

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082820\
 Data File : VD066463.D
 Acq On : 28 Aug 2020 16:45
 Operator : VA/SY
 Sample : L3827-08MS
 Misc : 6.87G/5.00ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 789UMR-TP11-0006-01MS

Manual Integrations
 APPROVED

MMDadoda
 8/31/2020 11:58:39 AM

Quant Time: Aug 29 01:48:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 13:36:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	152346	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	204891	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	190274	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	105339	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	89269	59.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.54%	
35) Dibromofluoromethane	7.91	113	66393	51.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.64%	
50) Toluene-d8	10.33	98	252181	53.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.60%	
62) 4-Bromofluorobenzene	12.63	95	94750	56.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	60610	46.797	ug/l	99
3) Chloromethane	2.20	50	35448	38.612	ug/l	95
4) Vinyl Chloride	2.35	62	45664	46.327	ug/l	91
5) Bromomethane	2.76	94	36738	49.829	ug/l	98
6) Chloroethane	2.92	64	30413	48.185	ug/l	96
7) Trichlorofluoromethane	3.27	101	149642	55.829	ug/l	99
8) Diethyl Ether	3.71	74	27468	45.738	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	4.09	101	63840	48.262	ug/l	97
10) Methyl Iodide	4.30	142	65209	43.222	ug/l	89
11) Tert butyl alcohol	5.22	59	25300	305.195	ug/l #	83
12) 1,1-Dichloroethene	4.06	96	57406	46.233	ug/l	90
13) Acrolein	3.92	56	2757	41.568	ug/l	100
14) Allyl chloride	4.71	41	67244	40.574	ug/l #	77
15) Acrylonitrile	5.41	53	53939	223.854	ug/l	99
16) Acetone	4.15	43	64448	239.342	ug/l #	88
17) Carbon Disulfide	4.41	76	156869	41.687	ug/l	98
18) Methyl Acetate	4.71	43	21828	43.191	ug/l	93
19) Methyl tert-butyl Ether	5.47	73	160085	53.543	ug/l	98
20) Methylene Chloride	4.97	84	69013	47.666	ug/l #	92
21) trans-1,2-Dichloroethene	5.47	96	67108	46.430	ug/l	90
22) Diisopropyl ether	6.36	45	137937	42.988	ug/l	94
23) Vinyl Acetate	6.30	43	463098	233.131	ug/l	96
24) 1,1-Dichloroethane	6.26	63	104251	45.975	ug/l	99
25) 2-Butanone	7.21	43	70703	231.290	ug/l #	88
26) 2,2-Dichloropropane	7.20	77	131366	54.052	ug/l	96
27) cis-1,2-Dichloroethene	7.20	96	75058	48.465	ug/l	97
28) Bromochloromethane	7.54	49	33438	42.810	ug/l #	80
29) Tetrahydrofuran	7.56	42	36316	209.160	ug/l #	85
30) Chloroform	7.70	83	137599	52.447	ug/l	97
31) Cyclohexane	7.98	56	84322	40.659	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	153503	57.168	ug/l	99
36) 1,1-Dichloropropene	8.11	75	93463	49.994	ug/l	99
37) Ethyl Acetate	7.29	43	30322	47.688	ug/l #	67
38) Carbon Tetrachloride	8.09	117	152298	62.528	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	111065	50.433	ug/l	95
40) Benzene	8.34	78	246807	50.184	ug/l	98
41) Methacrylonitrile	7.51	41	20412m	52.056	ug/l	
42) 1,2-Dichloroethane	8.42	62	108827	62.828	ug/l	98
43) Isopropyl Acetate	8.44	43	63684	49.900	ug/l	100
44) Trichloroethene	9.11	130	86940	54.403	ug/l	95
45) 1,2-Dichloropropane	9.38	63	51749	46.414	ug/l	92
46) Dibromomethane	9.47	93	36429	52.477	ug/l	96
47) Bromodichloromethane	9.66	83	112364	58.858	ug/l	98
48) Methyl methacrylate	9.45	41	31322	47.594	ug/l #	87
49) 1,4-Dioxane	9.45	88	8520	1056.983	ug/l	93
51) 4-Methyl-2-Pentanone	10.23	43	152017	246.225	ug/l	100
52) Toluene	10.40	92	176613	53.005	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	102166	56.400	ug/l	94
54) cis-1,3-Dichloropropene	10.08	75	104827	51.555	ug/l #	87
55) 1,1,2-Trichloroethane	10.80	97	47375	50.411	ug/l	95
56) Ethyl methacrylate	10.66	69	55404	50.927	ug/l #	82
57) 1,3-Dichloropropane	10.94	76	81683	52.547	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	105083	232.568	ug/l	90
59) 2-Hexanone	10.98	43	112134	257.492	ug/l	99
60) Dibromochloromethane	11.14	129	81168	57.299	ug/l	97
61) 1,2-Dibromoethane	11.24	107	47960	51.858	ug/l	98
64) Tetrachloroethene	10.87	164	78275	54.229	ug/l	91
65) Chlorobenzene	11.67	112	198616	52.467	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	85776	55.446	ug/l	97
67) Ethyl Benzene	11.74	91	361137	54.196	ug/l	97
68) m/p-Xylenes	11.85	106	275317	108.401	ug/l	94
69) o-Xylene	12.18	106	127207	53.838	ug/l	100
70) Styrene	12.19	104	220295	54.300	ug/l	96
71) Bromoform	12.36	173	50444	57.474	ug/l #	98
73) Isopropylbenzene	12.48	105	363606	51.527	ug/l	100
74) N-amyl acetate	12.28	43	58162	45.635	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	45242	44.880	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	31590m	42.628	ug/l	
77) Bromobenzene	12.76	156	96169	53.694	ug/l	94
78) n-propylbenzene	12.82	91	404084	49.942	ug/l	96
79) 2-Chlorotoluene	12.91	91	231352	50.064	ug/l	97
80) 1,3,5-Trimethylbenzene	12.96	105	328571	53.928	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	15778	45.194	ug/l	86
82) 4-Chlorotoluene	13.00	91	248257	50.706	ug/l	98
83) tert-Butylbenzene	13.23	119	282771	53.433	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	325486	54.390	ug/l	99
85) sec-Butylbenzene	13.40	105	361371	52.118	ug/l	99
86) p-Isopropyltoluene	13.52	119	360550	53.928	ug/l	98
87) 1,3-Dichlorobenzene	13.51	146	173341	51.847	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	175239	52.203	ug/l	99
89) n-Butylbenzene	13.84	91	302902	51.341	ug/l	98
90) Hexachloroethane	14.11	117	66234	50.150	ug/l	100
91) 1,2-Dichlorobenzene	13.89	146	153701	53.403	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	10955	51.815	ug/l	88

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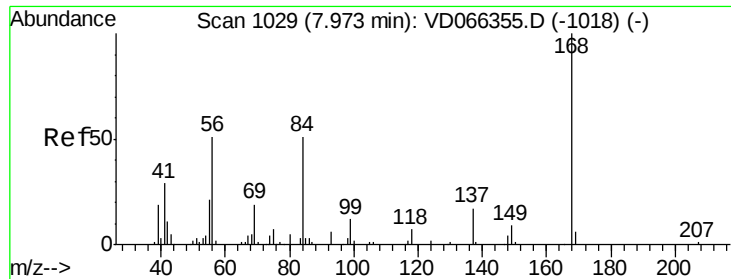
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	123026	54.753	ug/l	98
94) Hexachlorobutadiene	15.27	225	80160	57.408	ug/l	94
95) Naphthalene	15.40	128	196772	55.757	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	104500	54.291	ug/l	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. 0.00 min

Lab File: VD066463.D

Acq: 28 Aug 2020 16:45

Instrument :

MSVOA_D

ClientSampleId :

789UMR-TP11-0006-01MS

Tot Ion:168 Resp: 152346

Ion Ratio Lower Upper

168 100

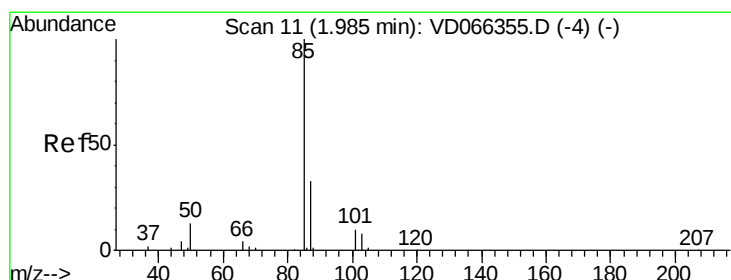
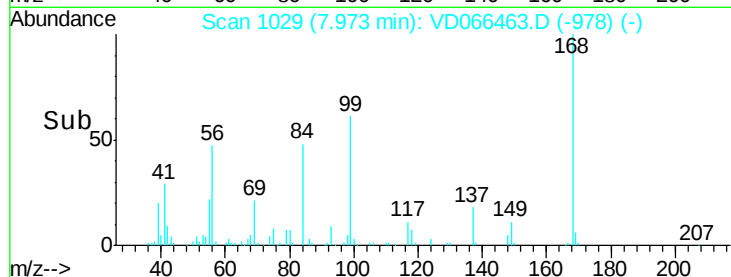
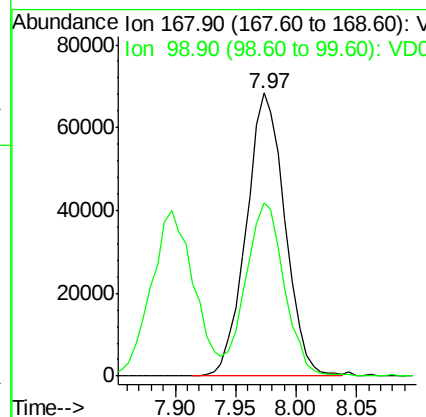
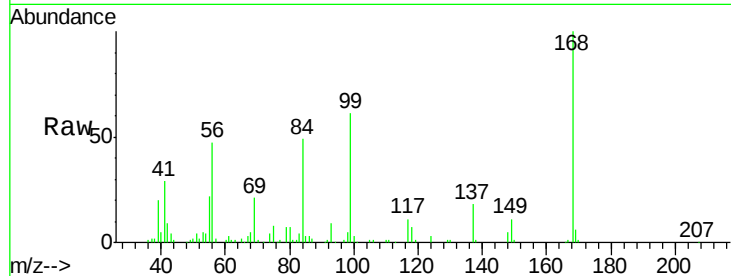
99 60.8 45.4 68.0

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 46.797 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066463.D

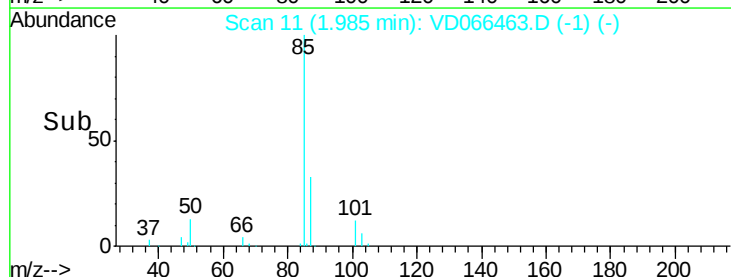
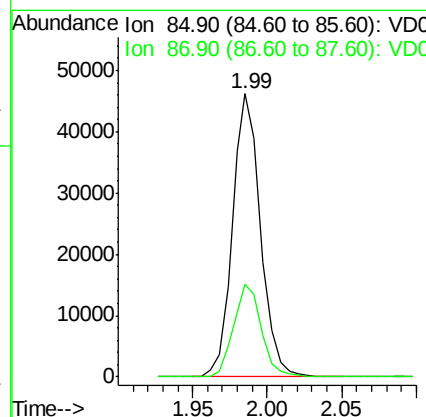
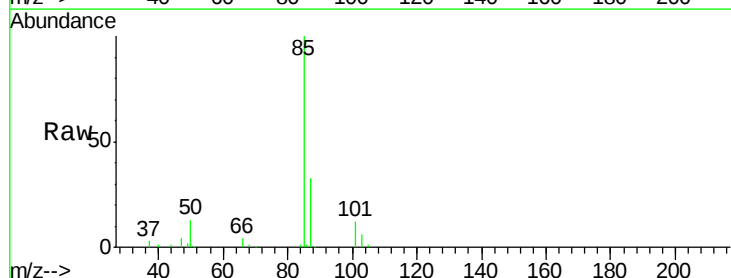
Acq: 28 Aug 2020 16:45

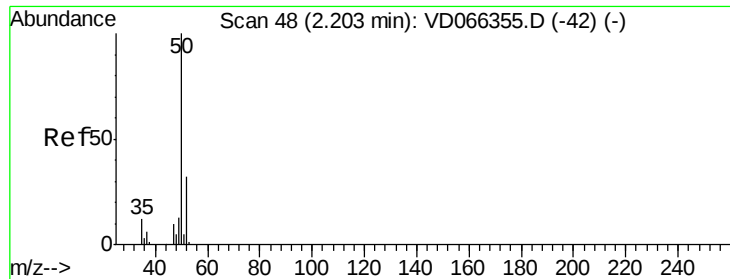
Tgt Ion: 85 Resp: 60610

Ion Ratio Lower Upper

85 100

87 32.5 16.4 49.4





#3

Chloromethane

Concen: 38.612 ug/l

RT: 2.20 min Scan# 48

Delta R.T. 0.00 min

Lab File: VD066463.D

Acq: 28 Aug 2020 16:45

Instrument :

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ClientSampleId :

789UMR-TP11-0006-01MS

Tot Ion: 50 Resp: 35448

Ion Ratio Lower Upper

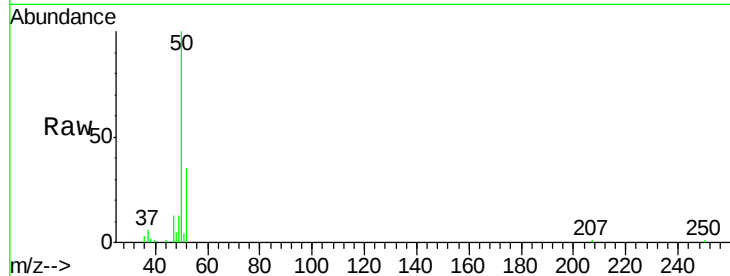
50 100

52 34.9 25.7 38.5

Manual Integrations
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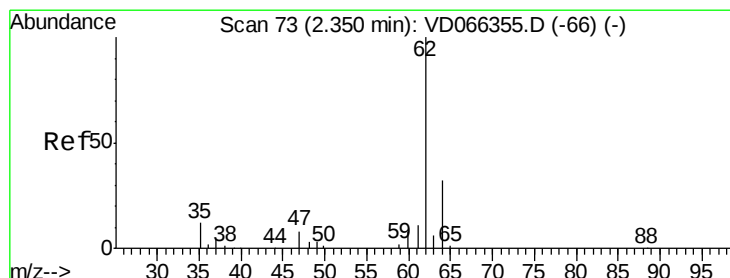
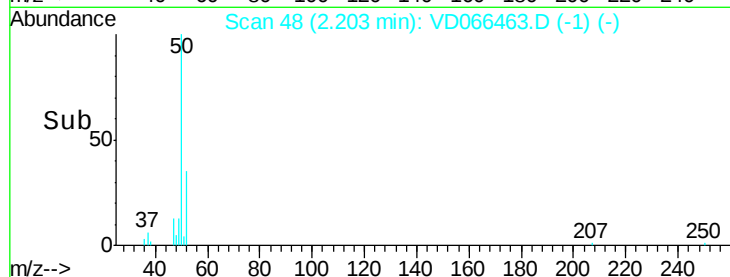
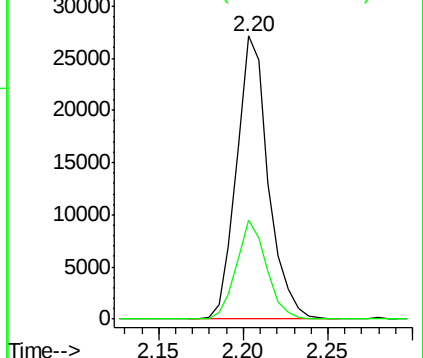
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 46.327 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD066463.D

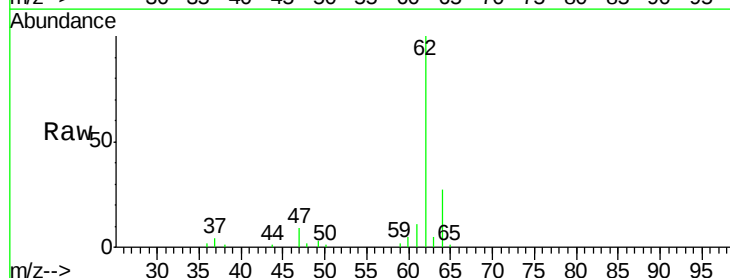
Acq: 28 Aug 2020 16:45

Tgt Ion: 62 Resp: 45664

Ion Ratio Lower Upper

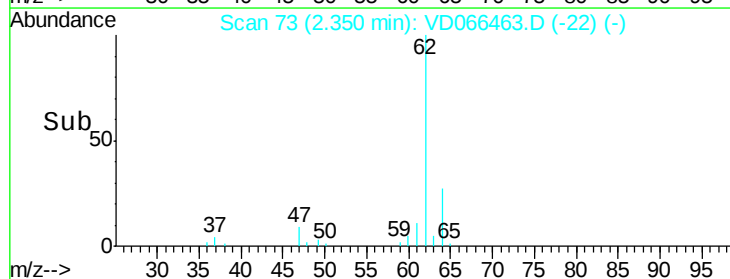
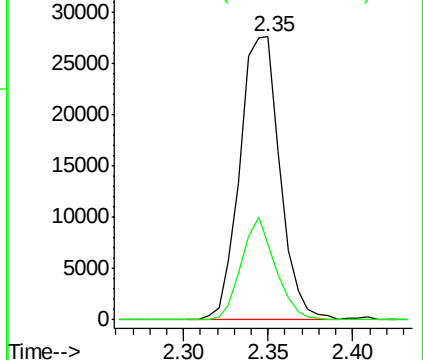
62 100

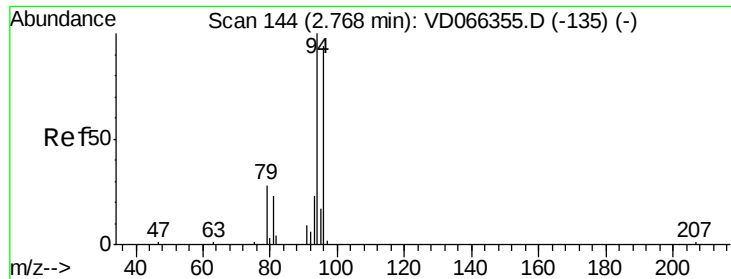
64 27.0 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 49.829 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD066463.D

Acq: 28 Aug 2020 16:45

Instrument :

MSVOA_D

ClientSampleId :

789UMR-TP11-0006-01MS

Tot Ion: 94 Resp: 36738

Ion Ratio Lower Upper

94 100

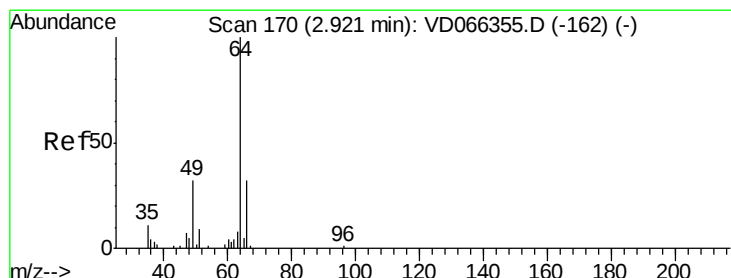
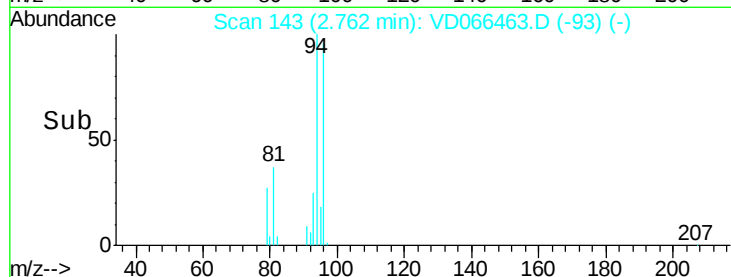
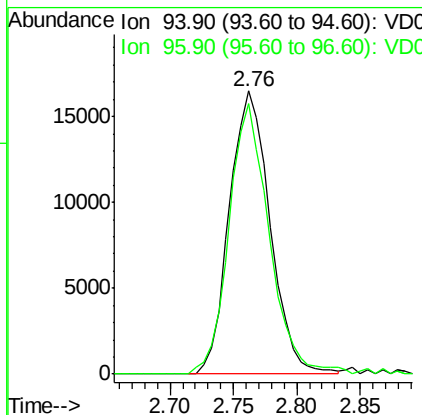
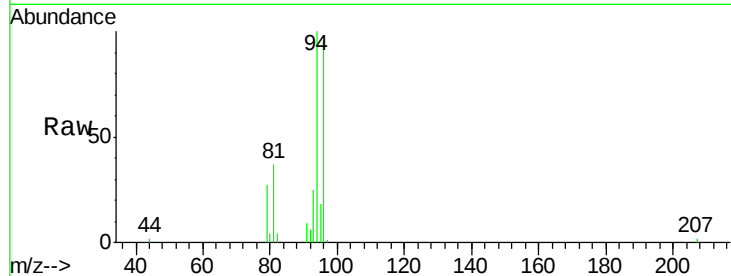
96 95.6 75.0 112.4

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#6

Chloroethane

Concen: 48.185 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD066463.D

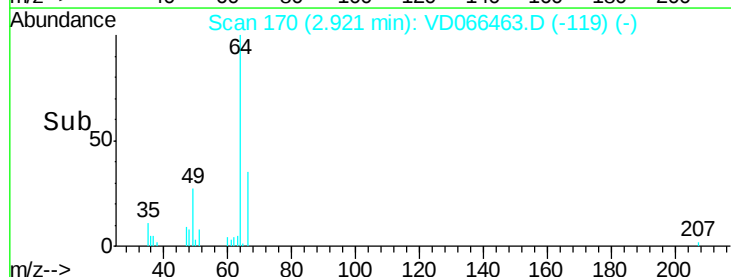
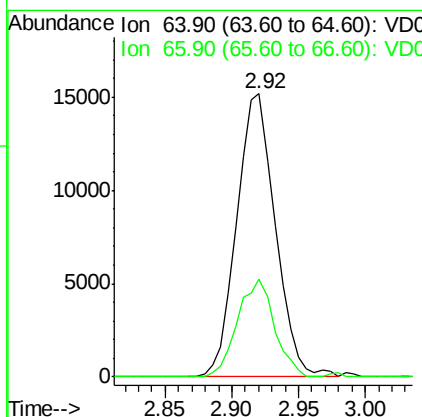
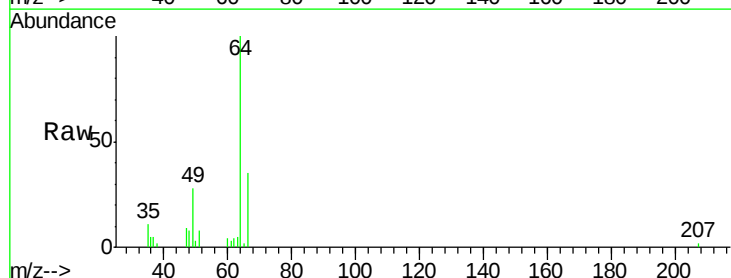
Acq: 28 Aug 2020 16:45

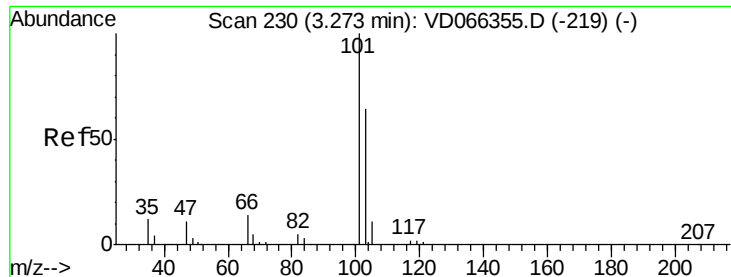
Tgt Ion: 64 Resp: 30413

Ion Ratio Lower Upper

64 100

66 34.6 25.9 38.9





#7

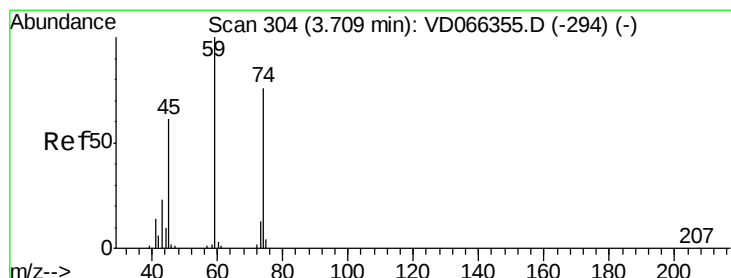
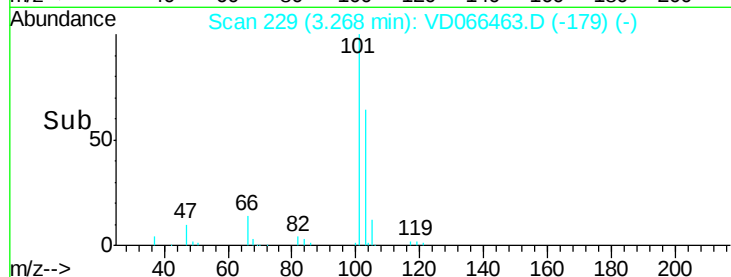
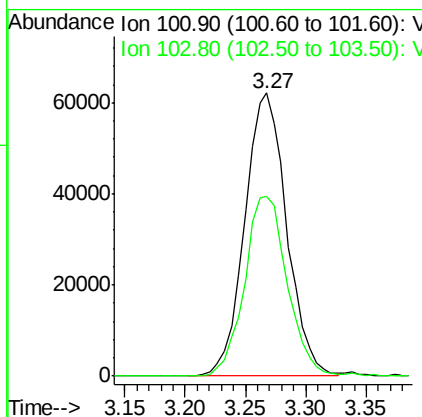
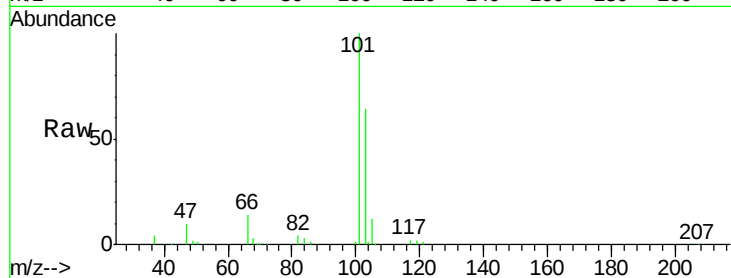
Trichlorofluoromethane
Concen: 55.829 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD066463.D
Acq: 28 Aug 2020 16:45

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789UMR-TP11-0006-01MS

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.6	51.4	77.0

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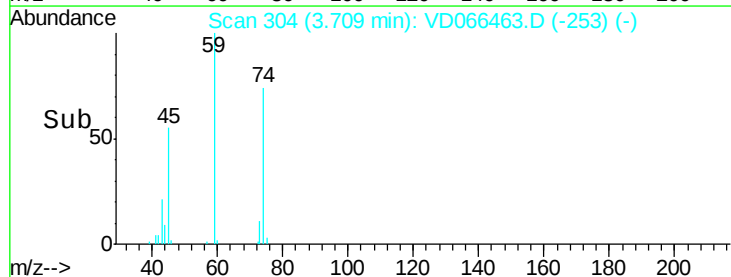
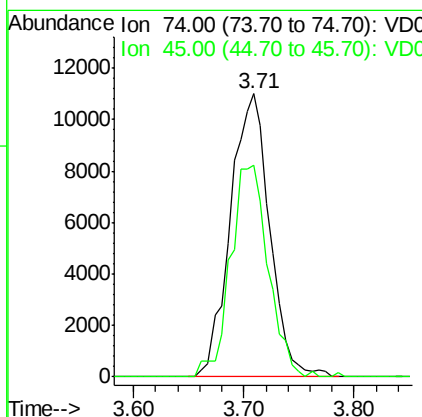
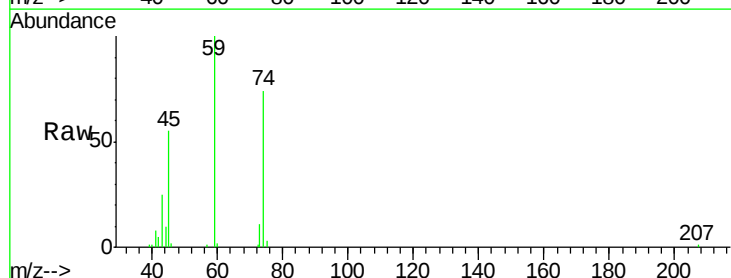
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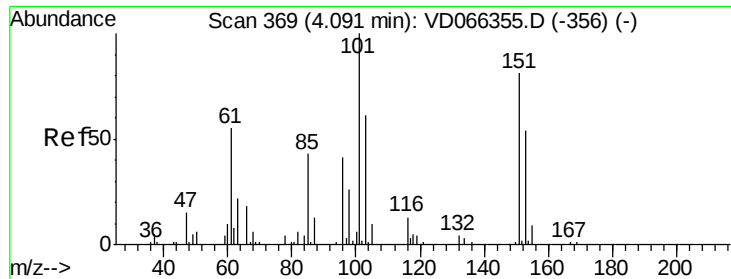


#8

Diethyl Ether
Concen: 45.738 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD066463.D
Acq: 28 Aug 2020 16:45

Tgt Ion	Ratio	Lower	Upper
74	100		
45	72.0	42.8	128.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.262 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD066463.D

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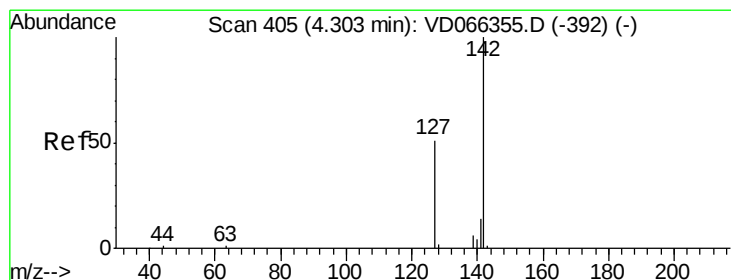
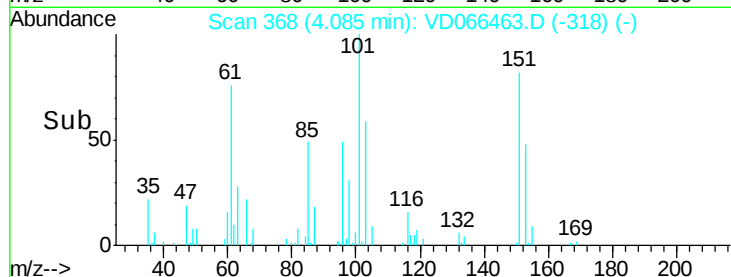
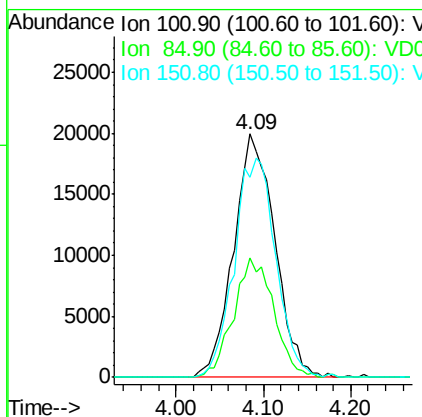
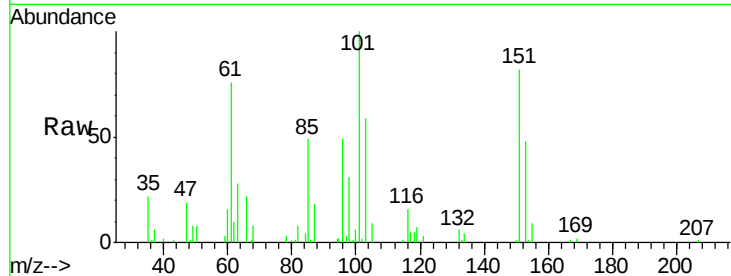
ClientSampleId :

789UMR-TP11-0006-01MS

Tot Ion:	101	Resp:	63840
Ion Ratio	Lower	Upper	
101	100		
85	47.9	36.4	54.6
151	90.8	70.5	105.7

Manual Integrations
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#10

Methyl Iodide

Concen: 43.222 ug/l

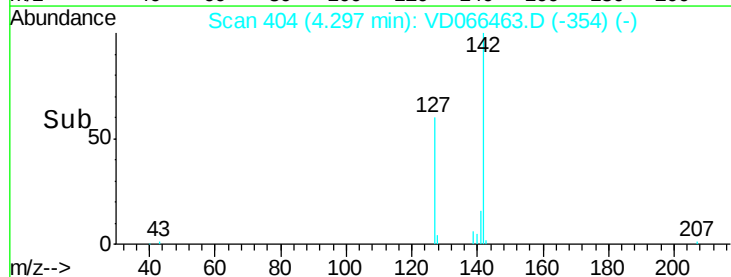
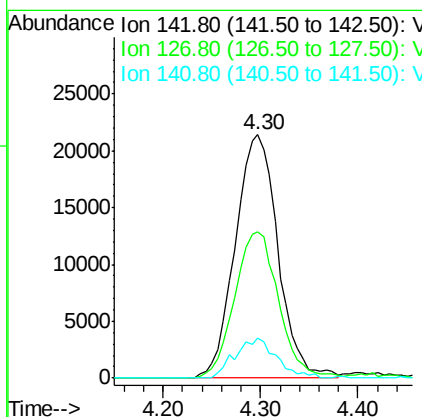
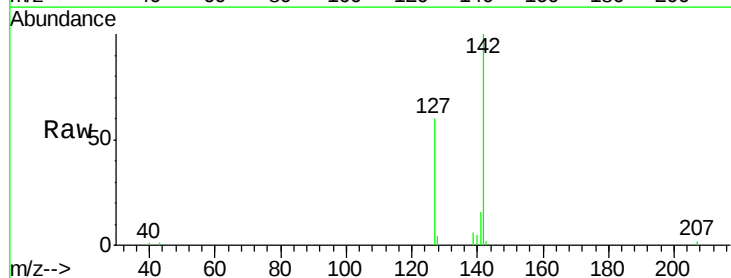
RT: 4.30 min Scan# 404

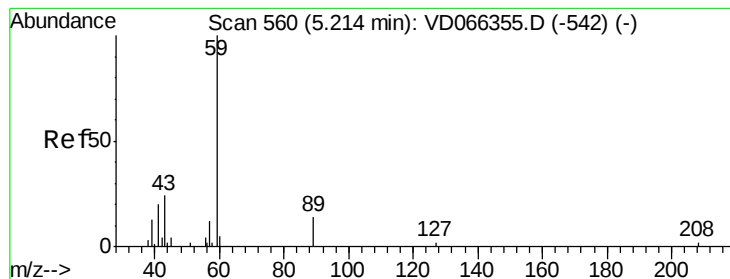
Delta R.T. -0.01 min

Lab File: VD066463.D

Acq: 28 Aug 2020 16:45

Tgt Ion:	142	Resp:	65209
Ion Ratio	Lower	Upper	
142	100		
127	61.8	41.8	62.8
141	15.9	11.8	17.6





#11

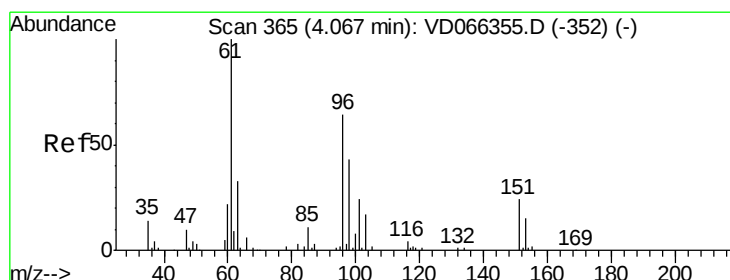
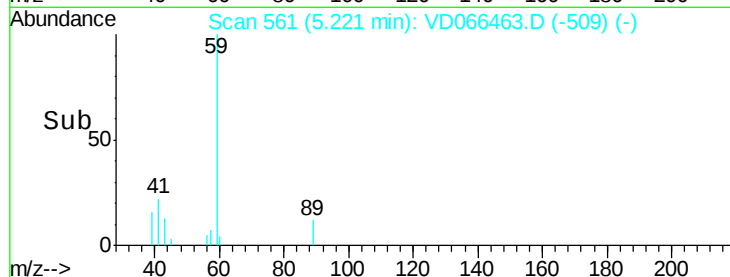
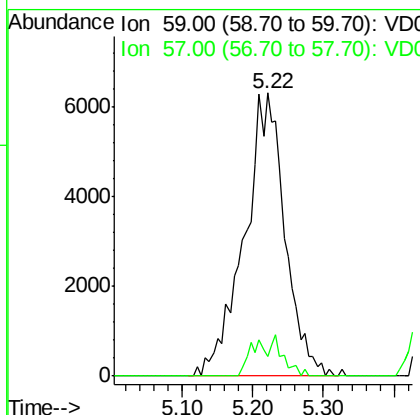
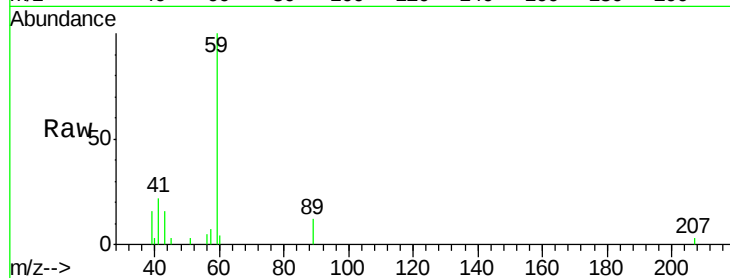
Tert butyl alcohol
 Concen: 305.195 ug/l
 RT: 5.22 min Scan# 561
 Delta R.T. 0.01 min
 Lab File: VD066463.D
 Acq: 28 Aug 2020 16:45

Instrument :
 MSVOA_D
 ClientSampleId :
 789UMR-TP11-0006-01MS

Tot Ion	Ratio	Resp	Lower	Upper
59	100	25300		
57	4.7	9.0	13.4	

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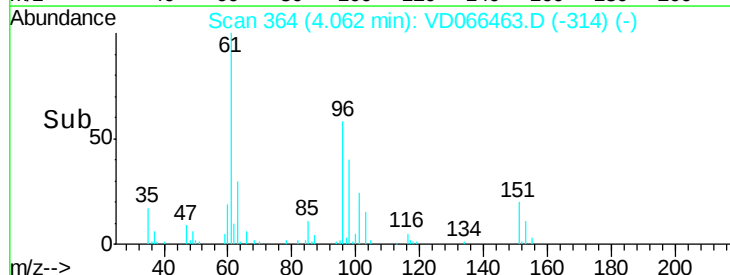
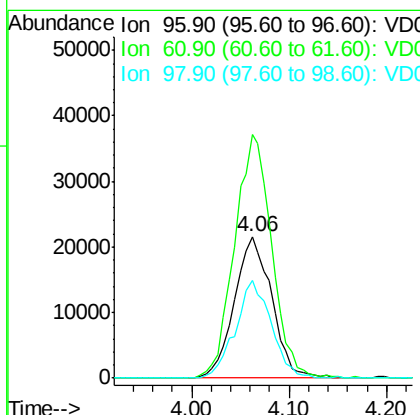
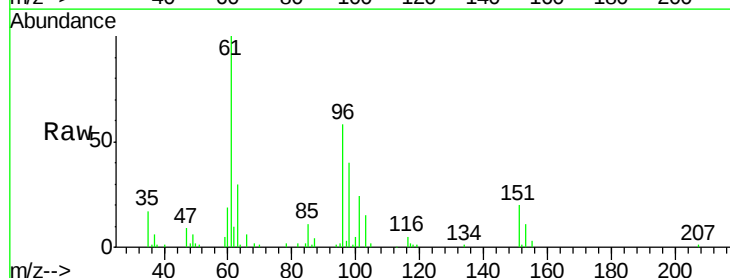
MMDadoda
 8/31/2020 11:58:39 AM

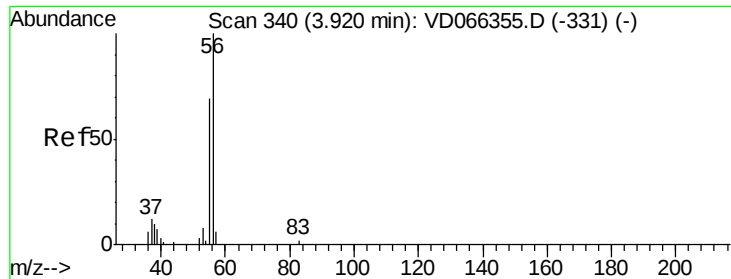


#12

1,1-Dichloroethene
 Concen: 46.233 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. -0.01 min
 Lab File: VD066463.D
 Acq: 28 Aug 2020 16:45

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	57406		
61	172.2	124.3	186.5	
98	68.9	53.2	79.8	





#13

Acrolein

Concen: 41.568 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD066463.D

Acq: 28 Aug 2020 16:45

Instrument :

MSVOA_D

ClientSampleId :

789UMR-TP11-0006-01MS

Tot Ion: 56 Resp: 2757

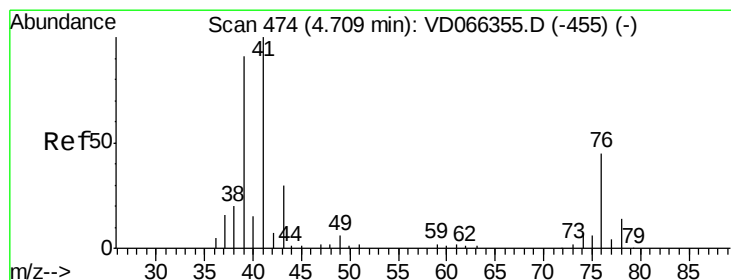
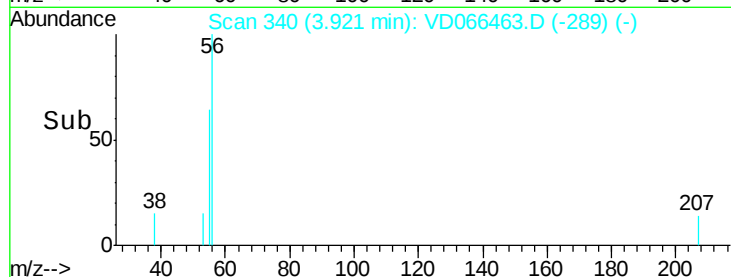
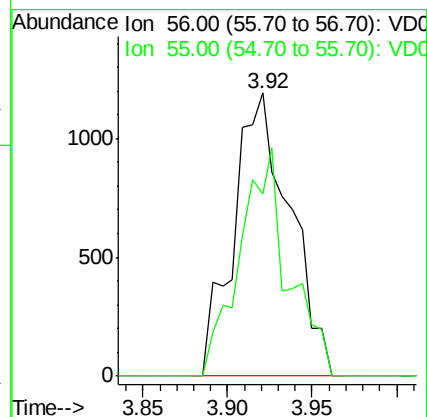
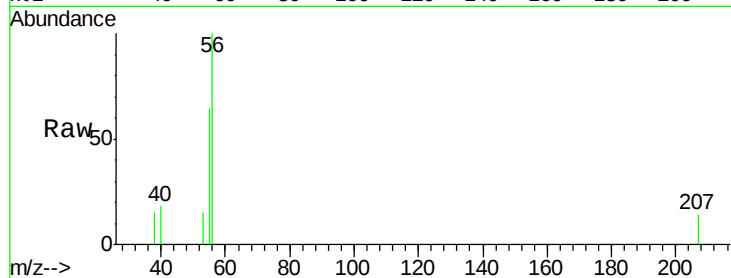
Ion Ratio Lower Upper

56 100

55 69.6 55.5 83.3

Manual Integrations
APPROVED

MMDadoda
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#14

Allyl chloride

Concen: 40.574 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD066463.D

Acq: 28 Aug 2020 16:45

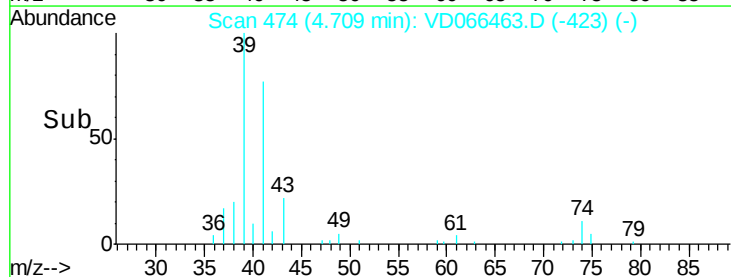
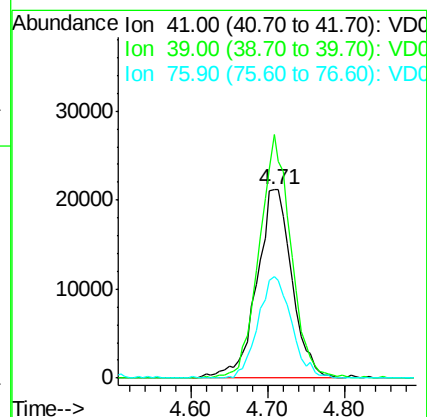
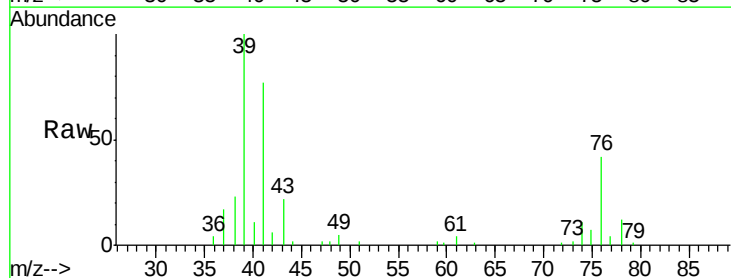
Tgt Ion: 41 Resp: 67244

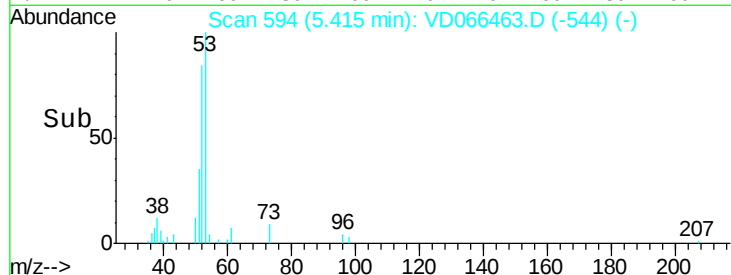
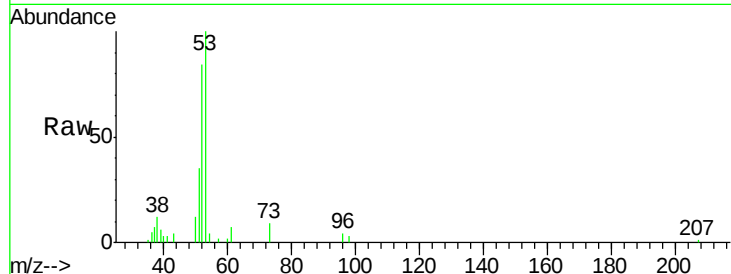
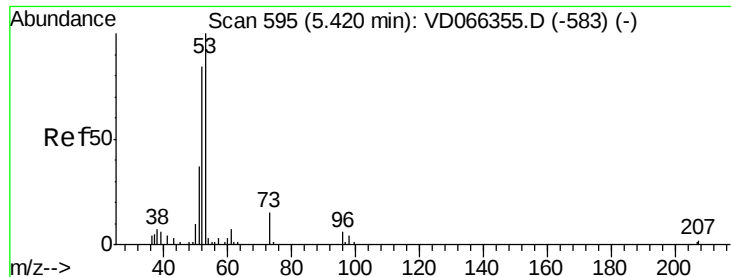
Ion Ratio Lower Upper

41 100

39 117.0 72.8 109.2#

76 51.5 34.0 51.0#





#15

Acrylonitrile

Concen: 223.854 ug/l

RT: 5.41 min Scan# 594

Delta R.T. -0.01 min

Lab File: VD066463.D

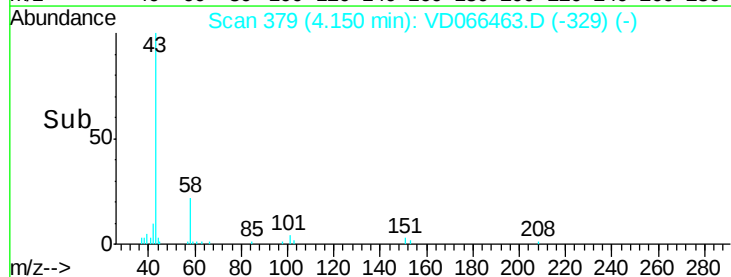
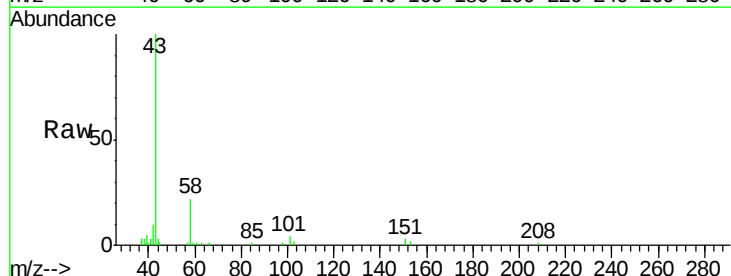
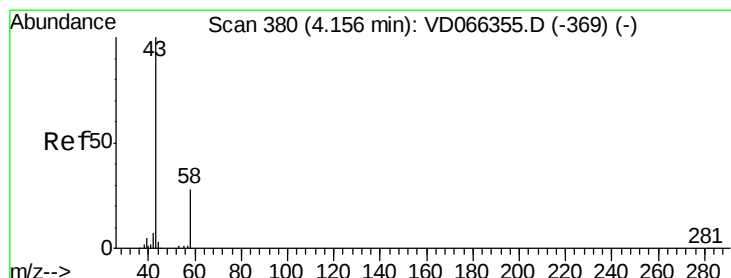
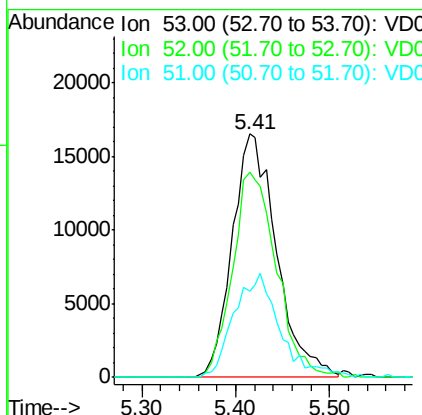
Acq: 28 Aug 2020 16:45

Tot Ion:	53	Resp:	53939
Ion Ratio	Lower	Upper	
53	100		
52	83.5	68.1	102.1
51	41.9	33.8	50.6

Instrument :
MSVOA_D
ClientSampleId :
789UMR-TP11-0006-01MS

Manual Integrations
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MMDadoda
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#16

Acetone

Concen: 239.342 ug/l

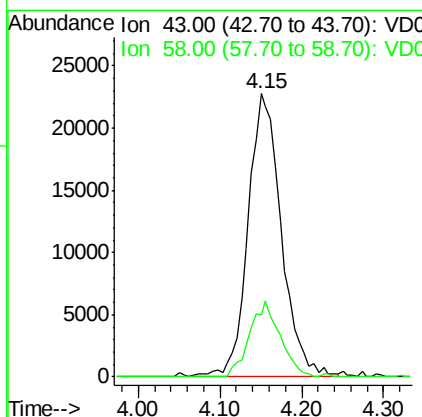
RT: 4.15 min Scan# 379

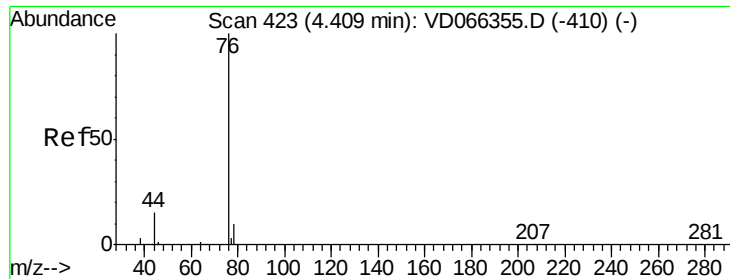
Delta R.T. -0.01 min

Lab File: VD066463.D

Acq: 28 Aug 2020 16:45

Tgt Ion:	43	Resp:	64448
Ion Ratio	Lower	Upper	
43	100		
58	21.9	22.7	34.1#





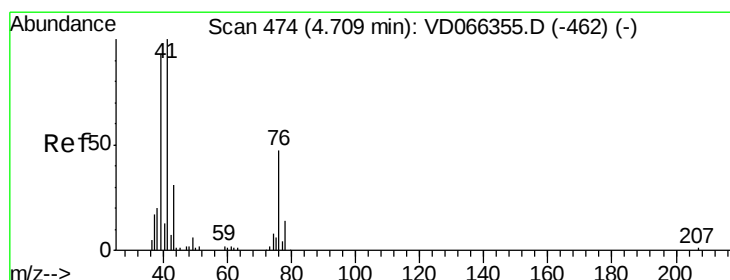
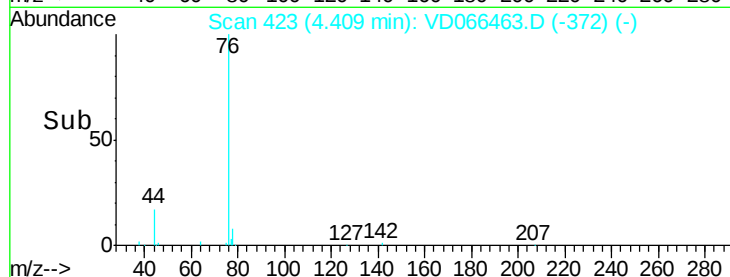
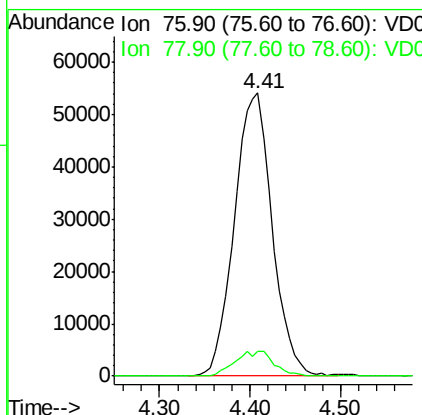
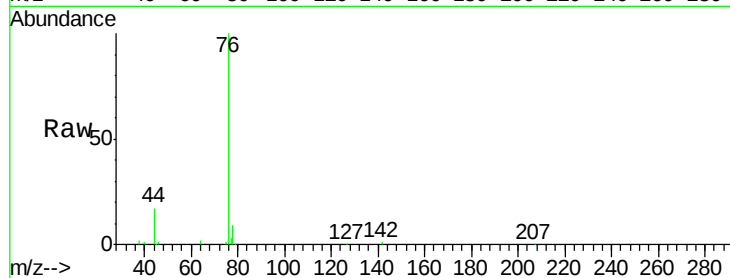
#17
Carbon Disulfide
Concen: 41.687 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD066463.D
Acq: 28 Aug 2020 16:45

Instrument :
MSVOA_D
ClientSampleId :
789UMR-TP11-0006-01MS

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.7	11.5

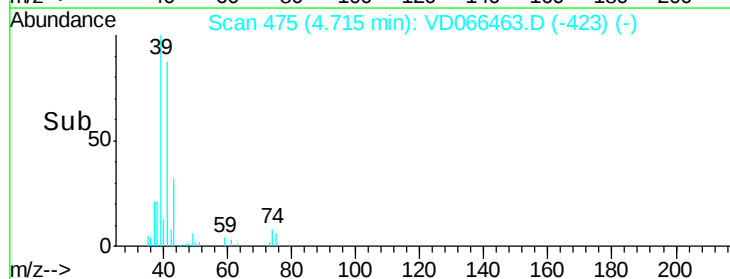
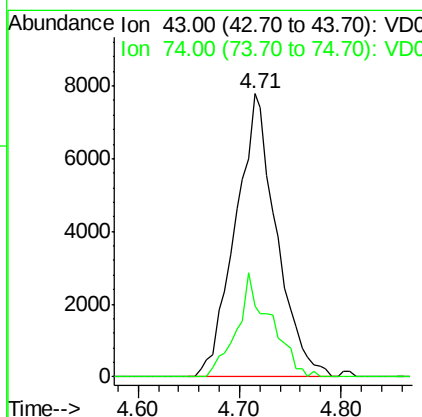
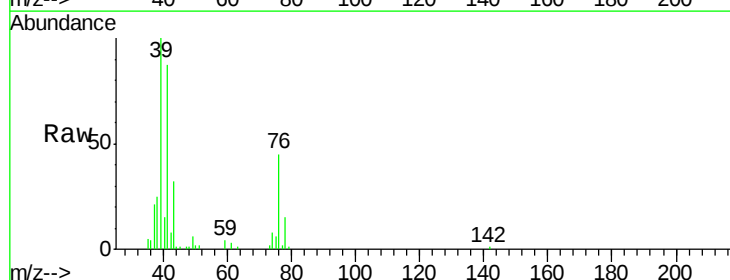
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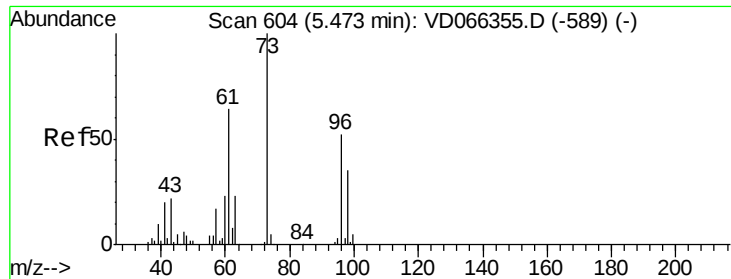
MMDadoda
8/31/2020 11:58:39 AM



#18
Methyl Acetate
Concen: 43.191 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.01 min
Lab File: VD066463.D
Acq: 28 Aug 2020 16:45

Tgt Ion	Ratio	Lower	Upper
43	100		
74	30.1	21.0	31.6





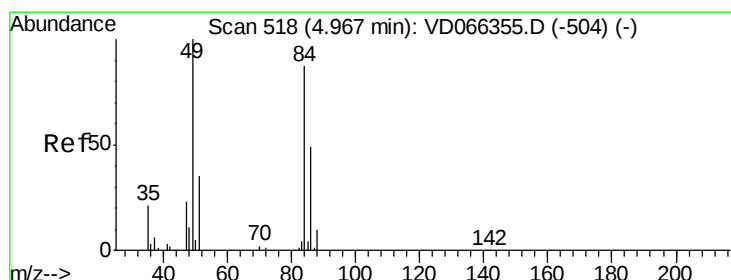
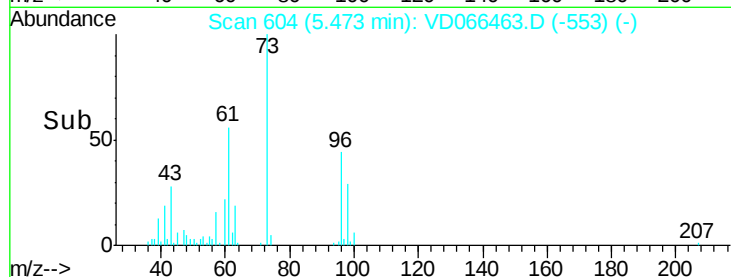
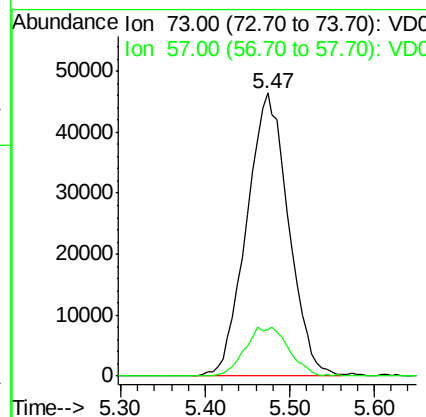
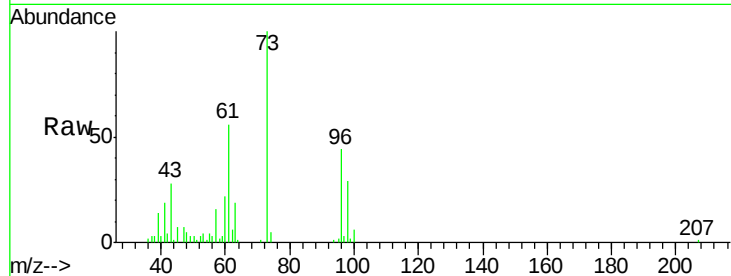
#19
Methvl tert-butvl Ether
Concen: 53.543 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.00 min
Lab File: VD066463.D
Acq: 28 Aug 2020 16:45

Instrument :
MSVOA_D
ClientSampleId :
789UMR-TP11-0006-01MS

Tot Ion: 73 Resp: 160085
Ion Ratio Lower Upper
73 100
57 16.4 13.8 20.6

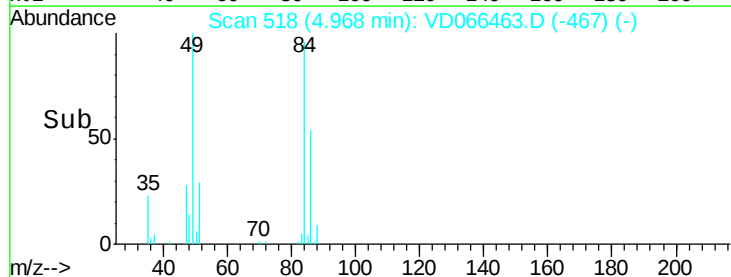
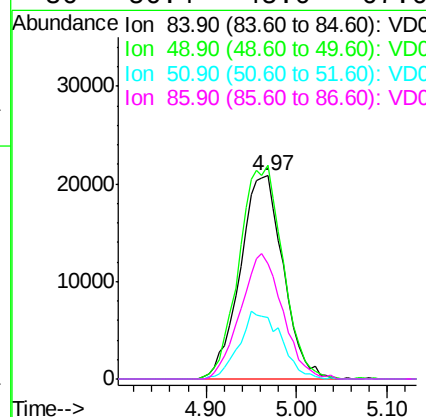
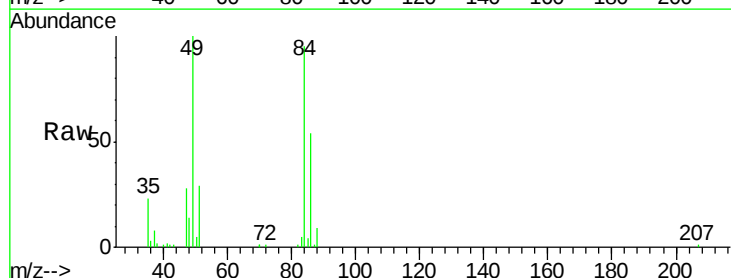
Manual Integrations
APPROVED

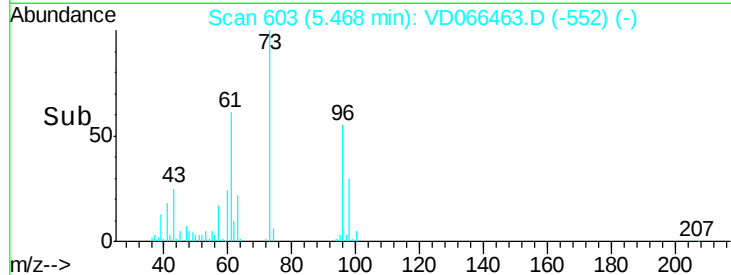
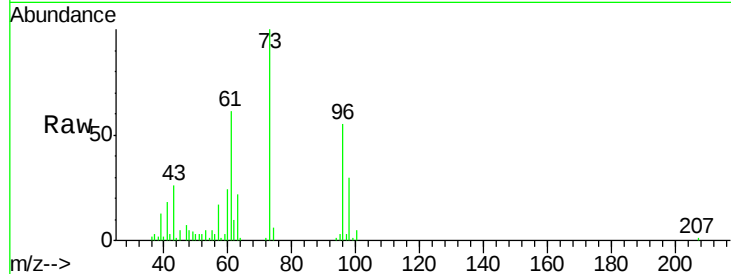
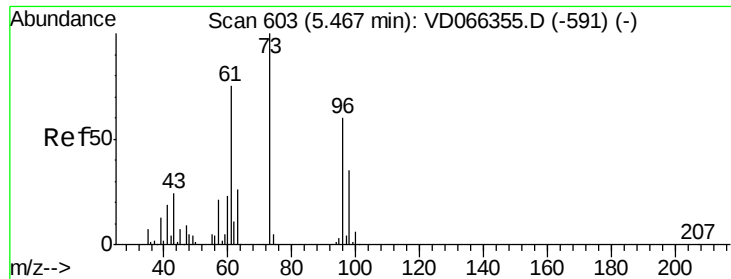
MMDadoda
8/31/2020 11:58:39 AM



#20
Methylene Chloride
Concen: 47.666 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD066463.D
Acq: 28 Aug 2020 16:45

Tgt Ion: 84 Resp: 69013
Ion Ratio Lower Upper
84 100
49 105.1 92.5 138.7
51 30.4 32.5 48.7#
86 56.4 45.0 67.6





#21

trans-1,2-Dichloroethene

Concen: 46.430 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD066463.D

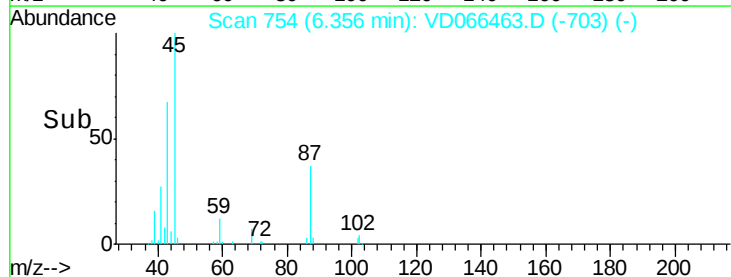
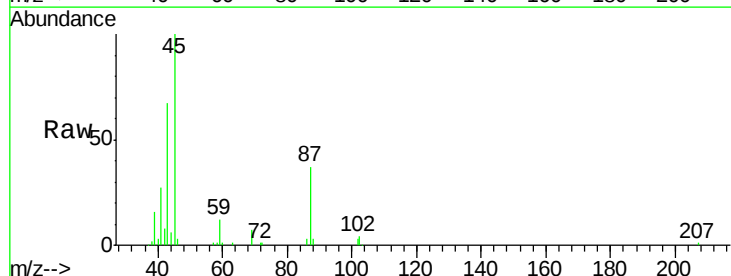
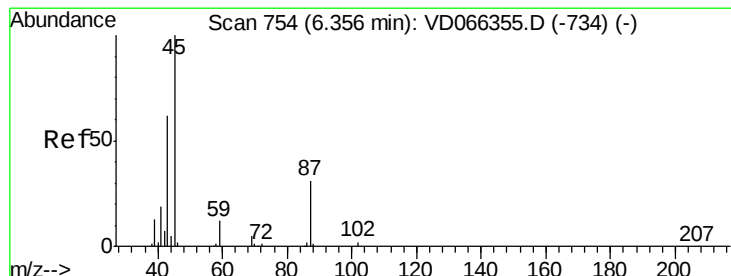
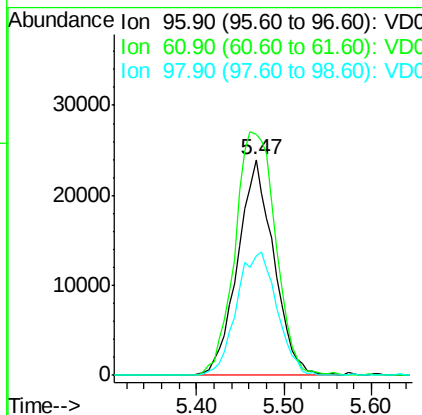
Acq: 28 Aug 2020 16:45

Tot Ion:	96	Resp:	67108
Ion	Ratio	Lower	Upper
96	100		
61	111.8	101.1	151.7
98	55.5	47.0	70.6

Instrument :
MSVOA_D
ClientSampleId :
789UMR-TP11-0006-01MS

Manual Integrations
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#22

Diisopropyl ether

Concen: 42.988 ug/l

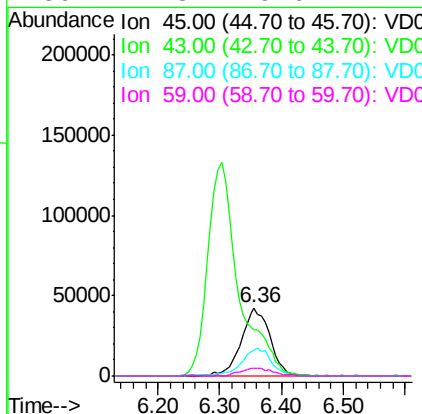
RT: 6.36 min Scan# 754

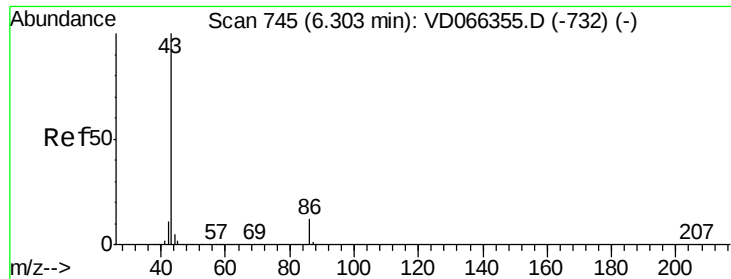
Delta R.T. 0.00 min

Lab File: VD066463.D

Acq: 28 Aug 2020 16:45

Tgt Ion:	45	Resp:	137937
Ion	Ratio	Lower	Upper
45	100		
43	66.3	49.8	74.8
87	37.0	25.0	37.6
59	11.8	9.6	14.4





#23

Vinyl Acetate

Concen: 233.131 ug/l

RT: 6.30 min Scan# 745

Delta R.T. 0.00 min

Lab File: VD066463.D

Acq: 28 Aug 2020 16:45

Instrument :

MSVOA_D

ClientSampleId :

789UMR-TP11-0006-01MS

Tot Ion: 43 Resp: 463098

Ion Ratio Lower Upper

43 100

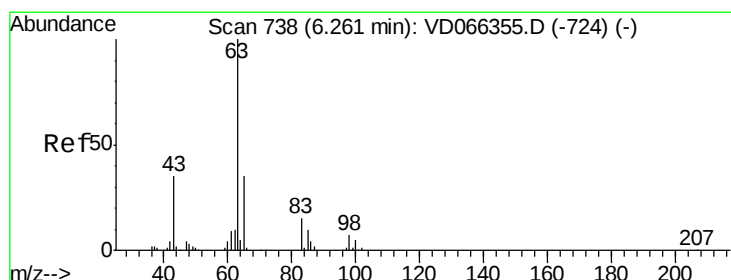
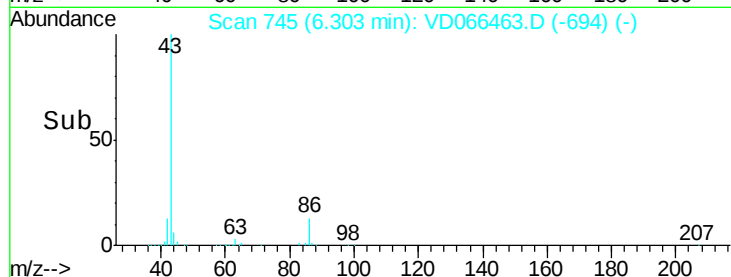
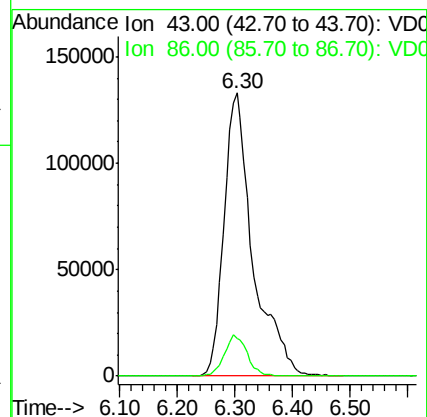
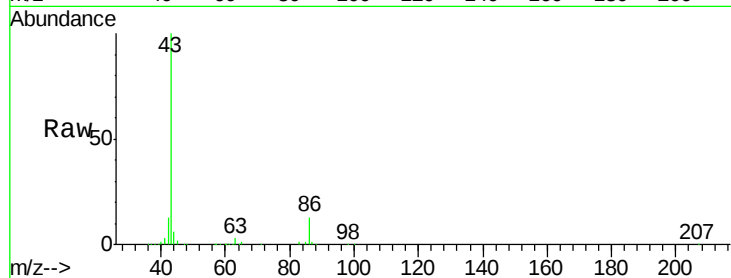
86 13.1 9.4 14.0

Manual Integrations

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MMDadoda

8/31/2020 11:58:39 AM



#24

1,1-Dichloroethane

Concen: 45.975 ug/l

RT: 6.26 min Scan# 737

Delta R.T. -0.01 min

Lab File: VD066463.D

Acq: 28 Aug 2020 16:45

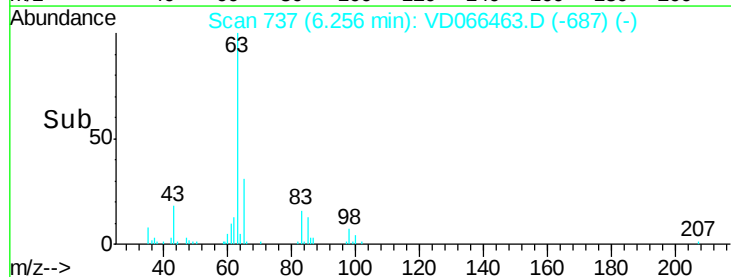
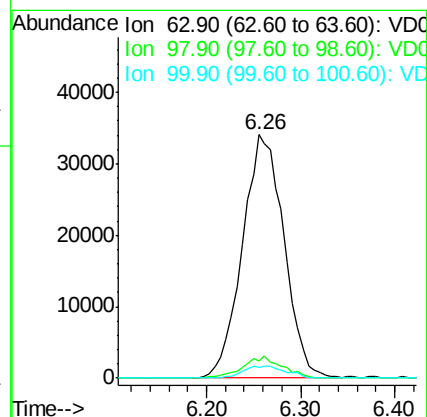
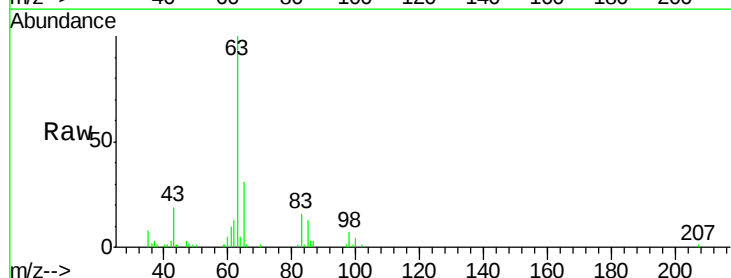
Tgt Ion: 63 Resp: 104251

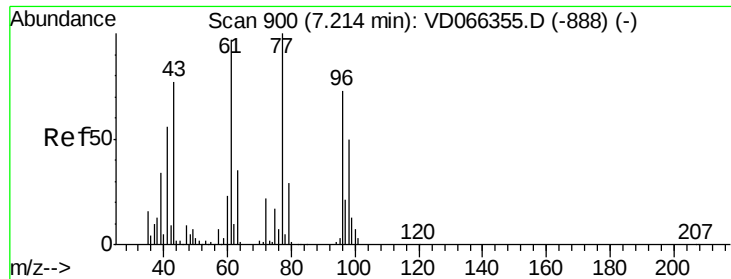
Ion Ratio Lower Upper

63 100

98 7.3 3.5 10.6

100 4.4 2.5 7.6





#25

2-Butanone

Concen: 231.290 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD066463.D

Acq: 28 Aug 2020 16:45

Instrument :

MSVOA_D

ClientSampleId :

789UMR-TP11-0006-01MS

Tot Ion: 43 Resp: 70703

Ion Ratio Lower Upper

43 100

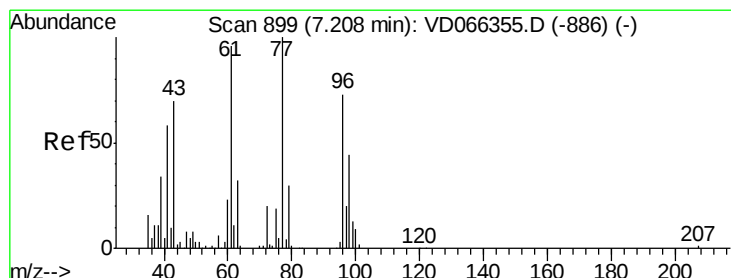
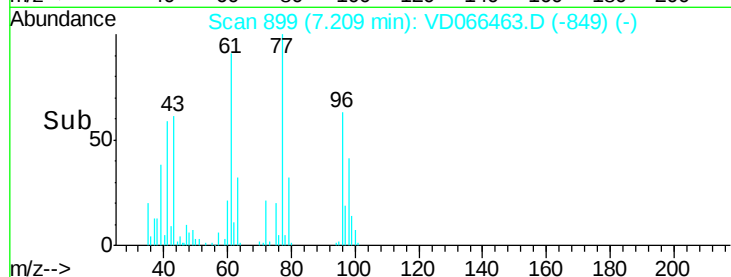
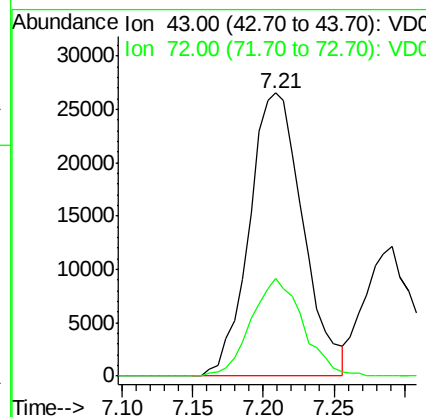
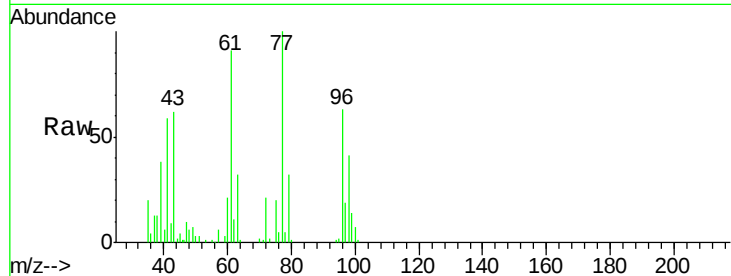
72 34.7 22.5 33.7#

Manual Integrations

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8/31/2020 11:58:39 AM



#26

2,2-Dichloropropane

Concen: 54.052 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD066463.D

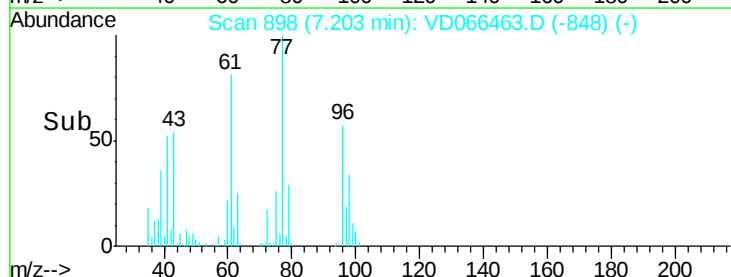
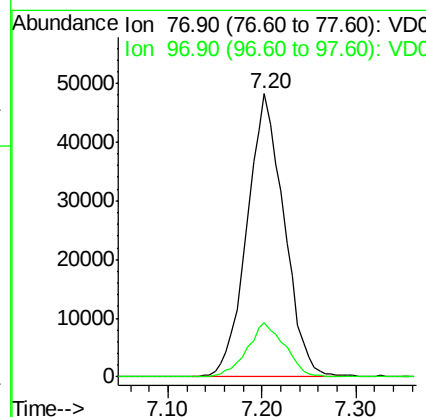
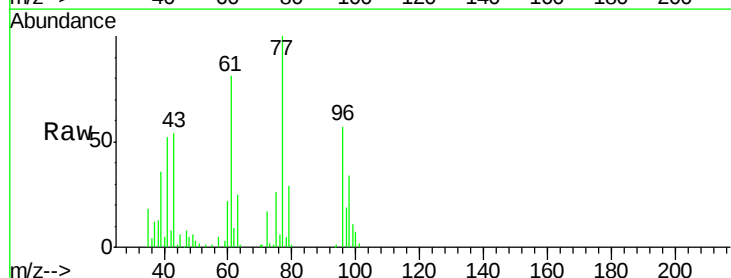
Acq: 28 Aug 2020 16:45

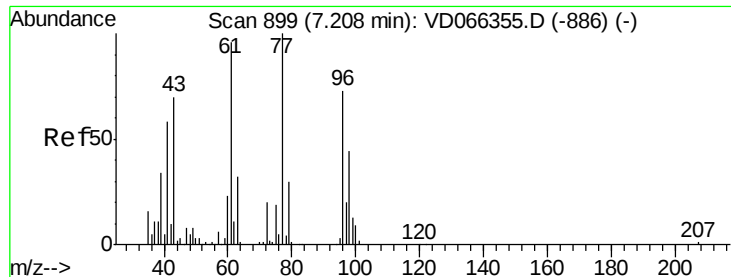
Tgt Ion: 77 Resp: 131366

Ion Ratio Lower Upper

77 100

97 19.3 10.7 31.9





#27

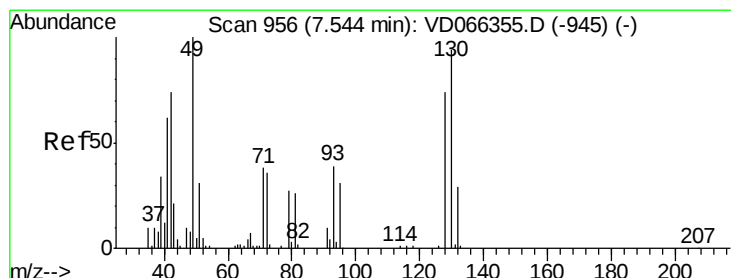
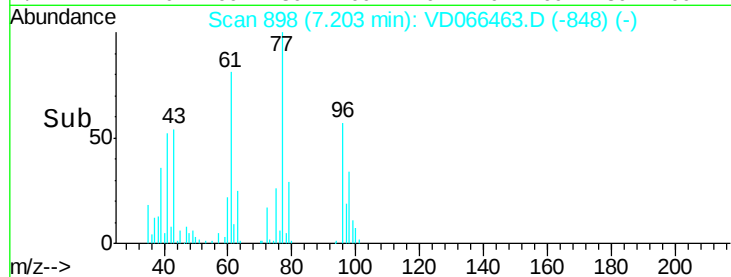
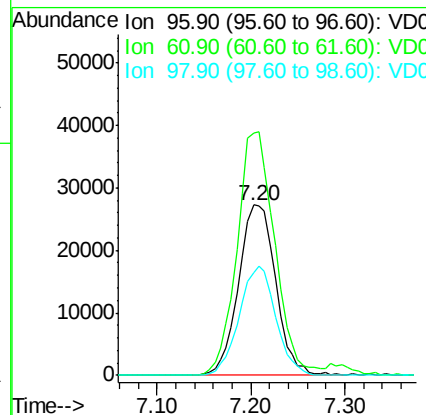
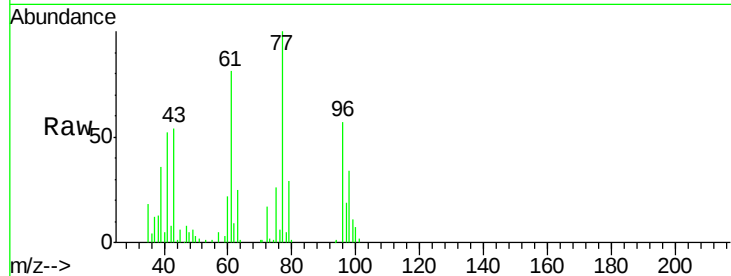
cis-1,2-Dichloroethene
 Concen: 48.465 ug/l
 RT: 7.20 min Scan# 898
 Delta R.T. -0.01 min
 Lab File: VD066463.D
 Acq: 28 Aug 2020 16:45

Instrument :
 MSVOA_D
 ClientSampleId :
 789UMR-TP11-0006-01MS

Tot Ion	Ratio	Lower	Upper
96	100		
61	144.5	0.0	281.4
98	62.8	0.0	132.2

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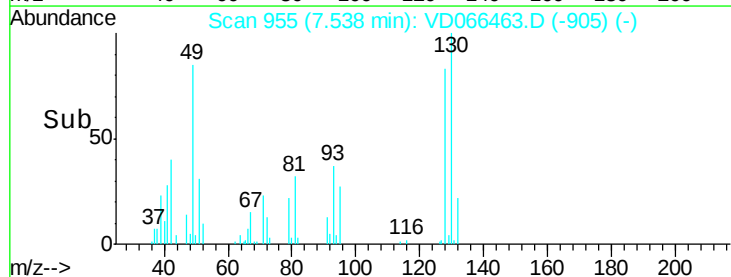
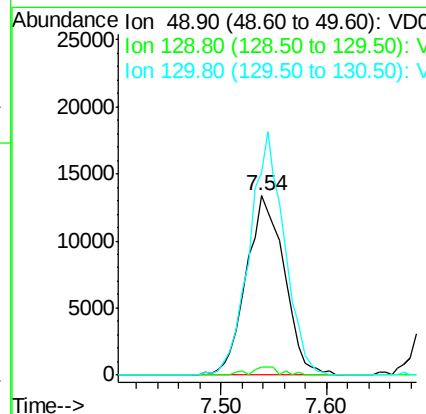
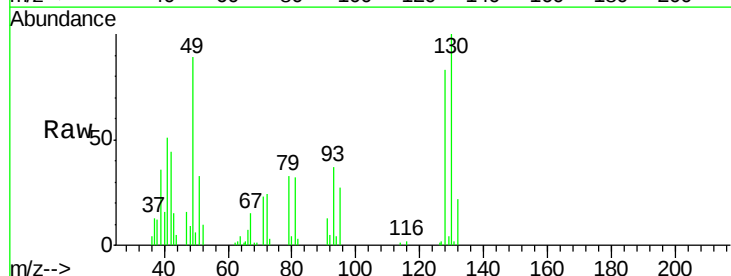
MMDadoda
 8/31/2020 11:58:39 AM

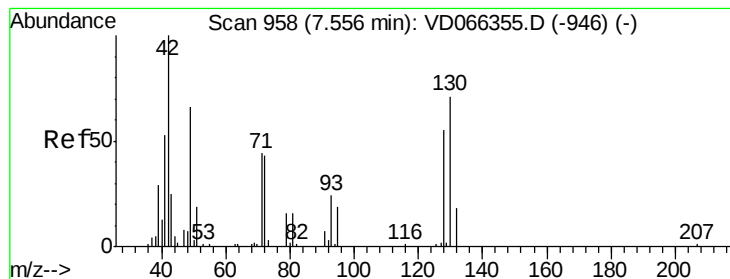


#28

Bromochloromethane
 Concen: 42.810 ug/l
 RT: 7.54 min Scan# 955
 Delta R.T. -0.01 min
 Lab File: VD066463.D
 Acq: 28 Aug 2020 16:45

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.4	0.0	3.0#
130	124.2	82.6	124.0#





#29

Tetrahydrofuran

Concen: 209.160 ug/l

RT: 7.56 min Scan# 958

Delta R.T. 0.00 min

Lab File: VD066463.D

Acq: 28 Aug 2020 16:45

Instrument :

MSVOA_D

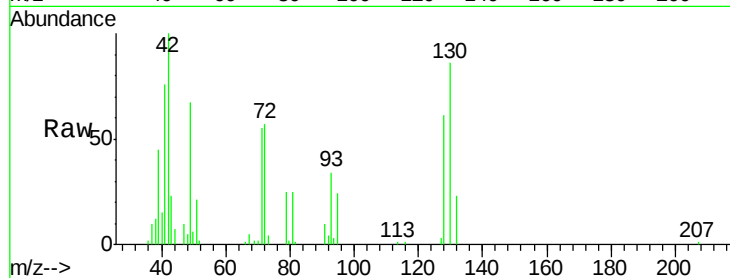
ClientSampleId :

789UMR-TP11-0006-01MS

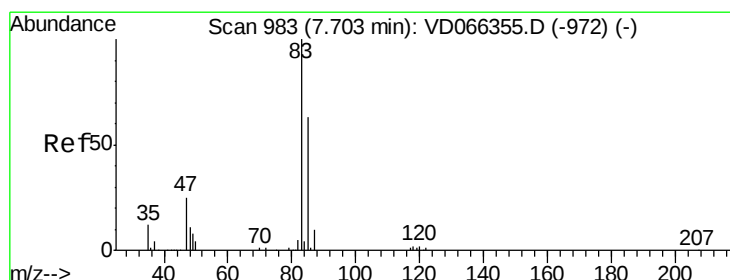
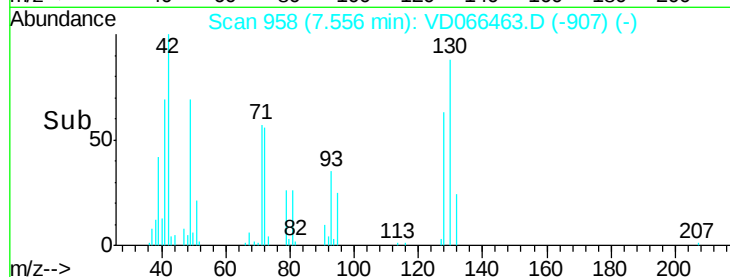
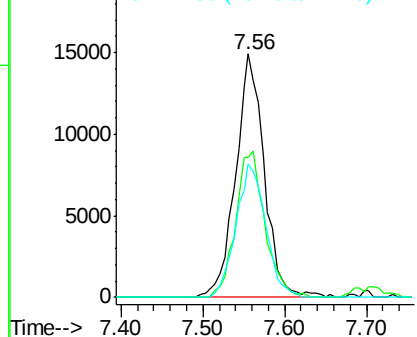
Tot Ion:	42	Resp:	36316
Ion	Ratio	Lower	Upper
42	100		
72	61.3	41.0	61.4
71	56.6	37.2	55.8#

Manual Integrations
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Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 52.447 ug/l

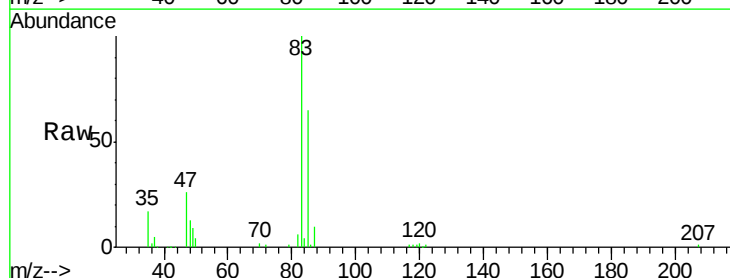
RT: 7.70 min Scan# 983

Delta R.T. 0.00 min

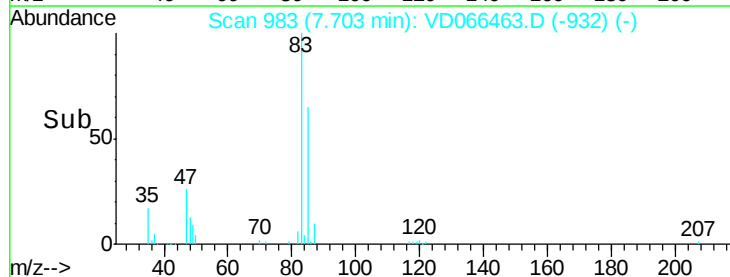
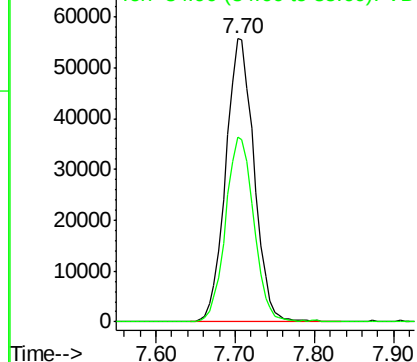
Lab File: VD066463.D

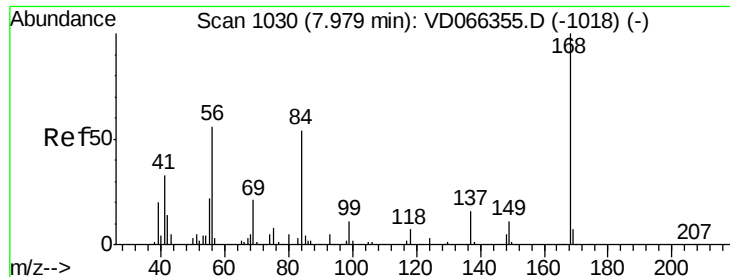
Acq: 28 Aug 2020 16:45

Tgt Ion:	83	Resp:	137599
Ion	Ratio	Lower	Upper
83	100		
85	65.1	50.3	75.5



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC





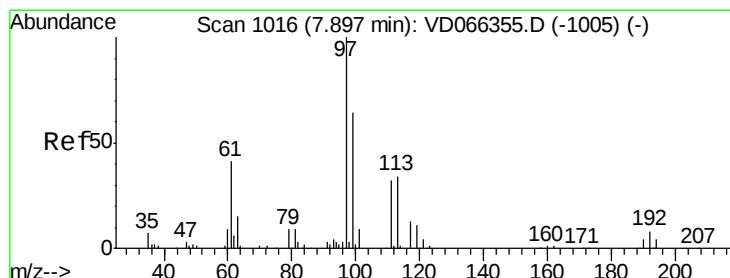
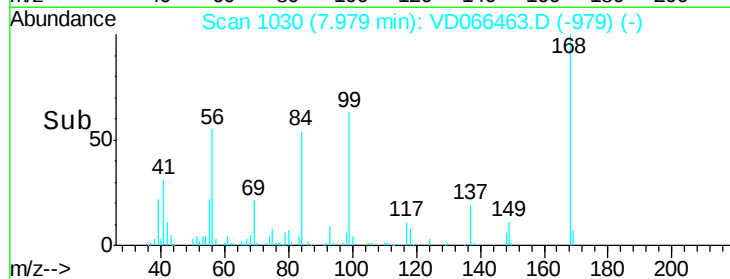
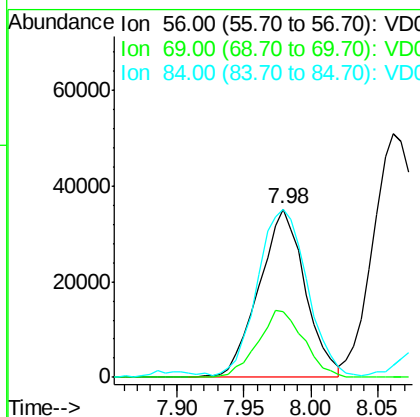
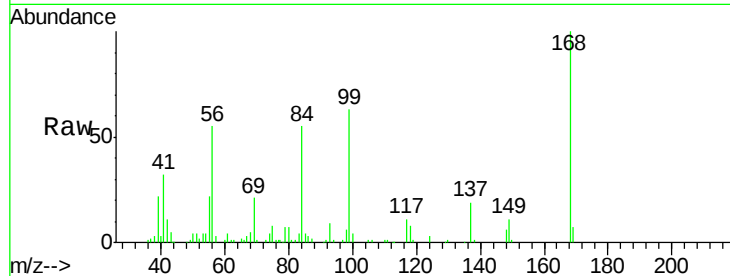
#31
Cyclohexane
Concen: 40.659 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VD066463.D
Acq: 28 Aug 2020 16:45

Instrument :
MSVOA_D
ClientSampleId :
789UMR-TP11-0006-01MS

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.8	29.6	44.4
84	97.2	76.6	115.0

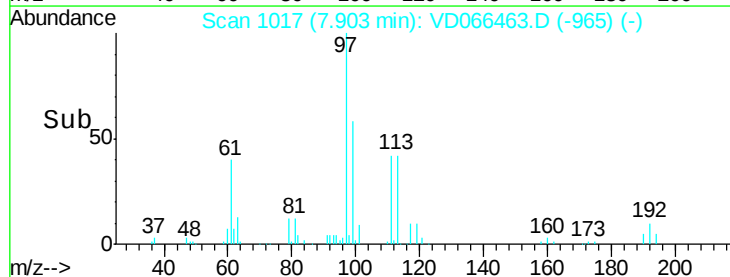
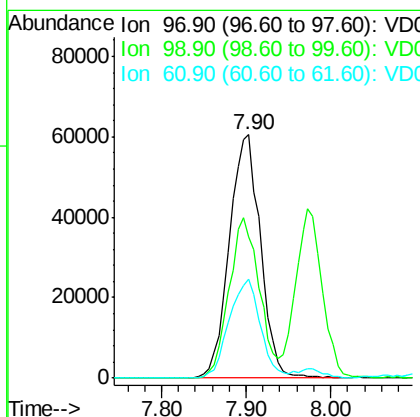
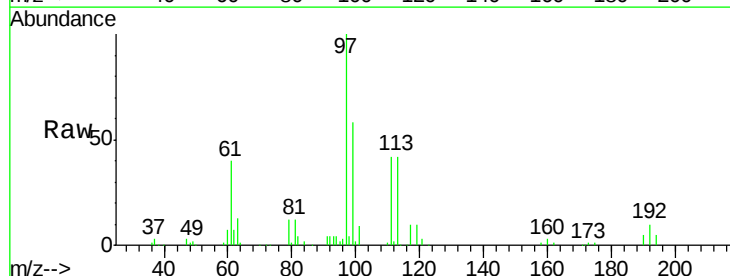
Manual Integrations
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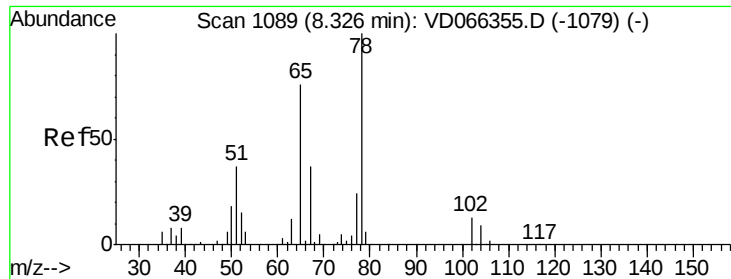
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#32
1,1,1-Trichloroethane
Concen: 57.168 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. 0.01 min
Lab File: VD066463.D
Acq: 28 Aug 2020 16:45

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.5	77.3
61	40.8	33.3	49.9





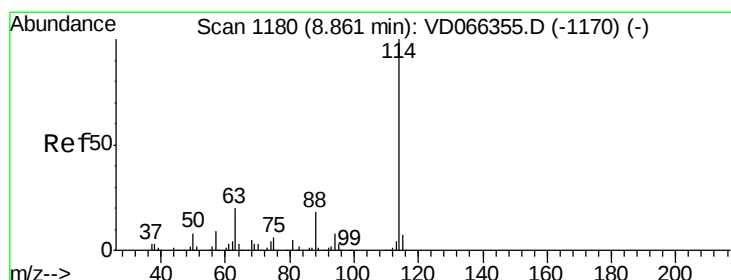
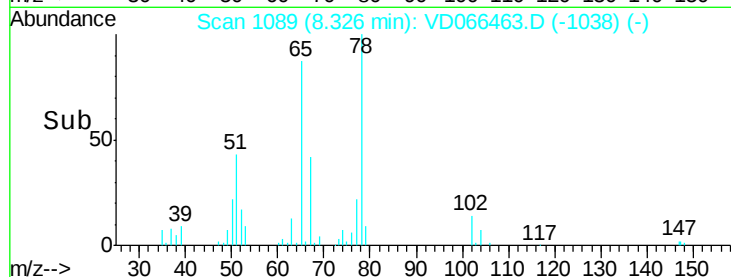
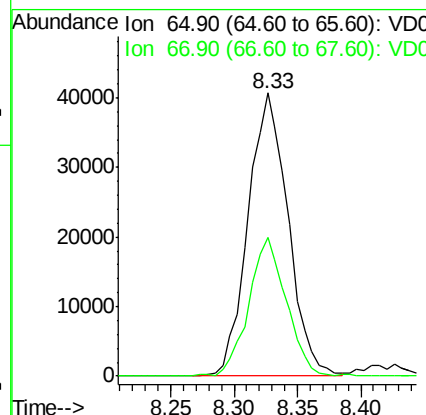
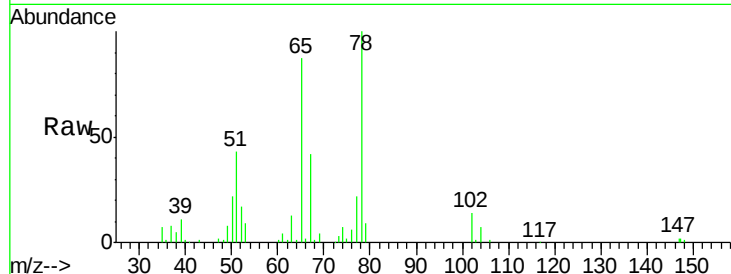
#33
 1,2-Dichloroethane-d4
 Concen: 59.768 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. 0.00 min
 Lab File: VD066463.D
 Acq: 28 Aug 2020 16:45

Instrument :
 MSVOA_D
 ClientSampleId :
 789UMR-TP11-0006-01MS

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	46.1	0.0	101.6	

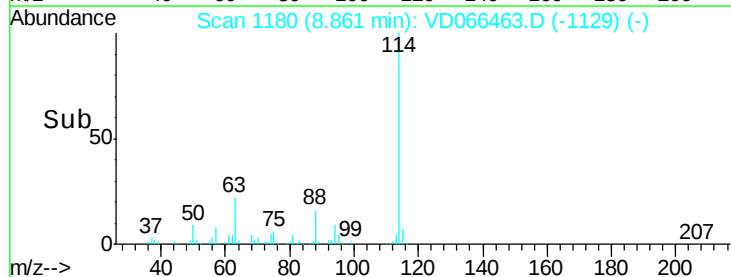
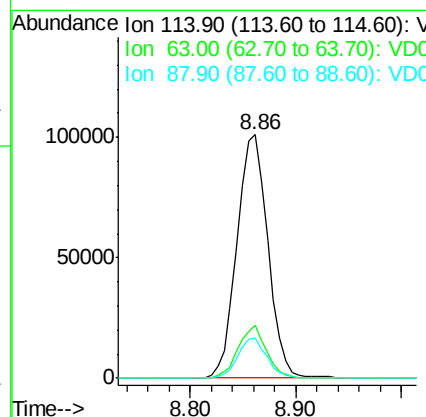
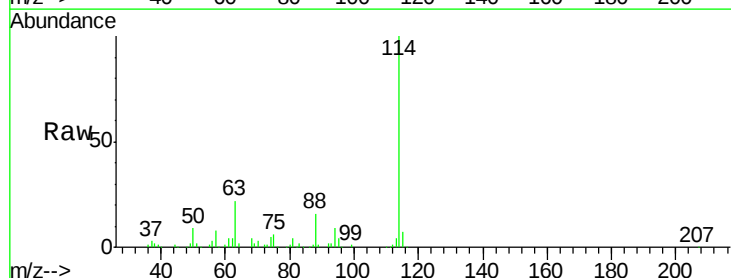
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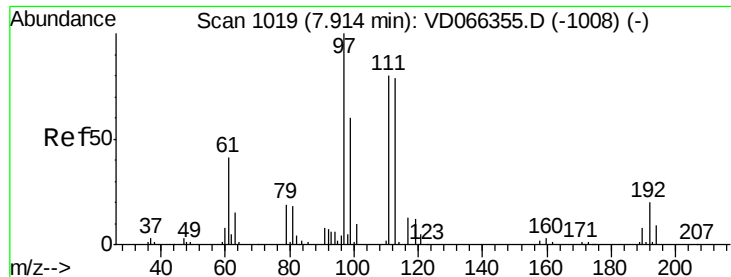
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066463.D
 Acq: 28 Aug 2020 16:45

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	21.9	0.0	40.8	
88	16.3	0.0	35.4	





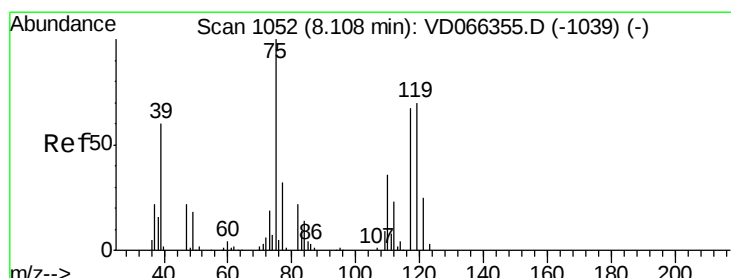
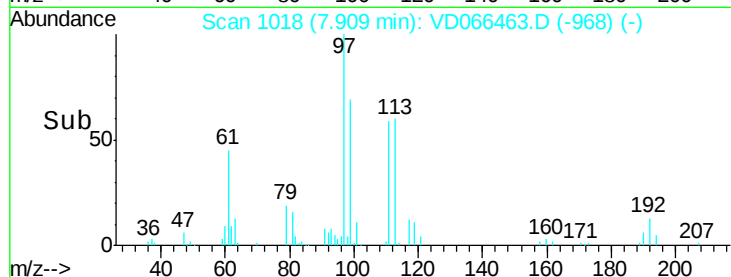
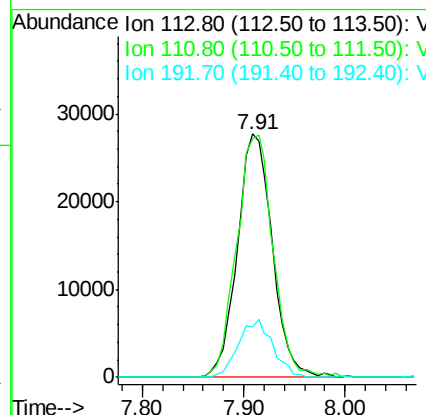
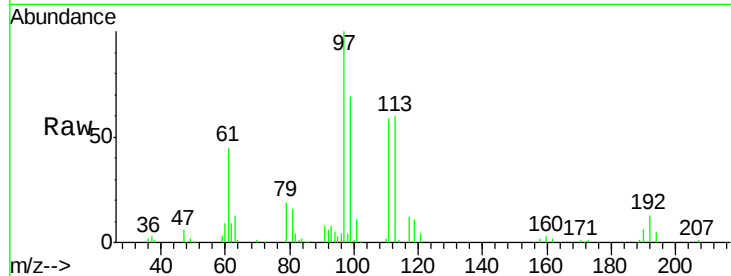
#35
 Dibromofluoromethane
 Concen: 51.821 ug/l
 RT: 7.91 min Scan# 1018
 Delta R.T. -0.01 min
 Lab File: VD066463.D
 Acq: 28 Aug 2020 16:45

Instrument :
 MSVOA_D
 ClientSampleId :
 789UMR-TP11-0006-01MS

Tot Ion	Ratio	Resp	Lower	Upper
113	100	66393		
111	103.9		80.3	120.5
192	23.4		19.0	28.6

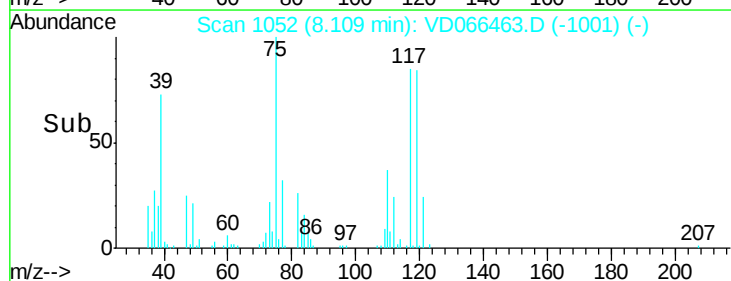
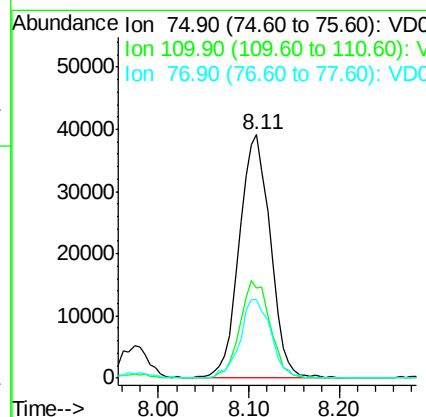
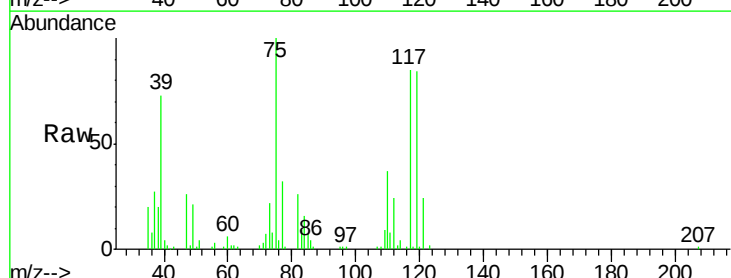
Manual Integrations
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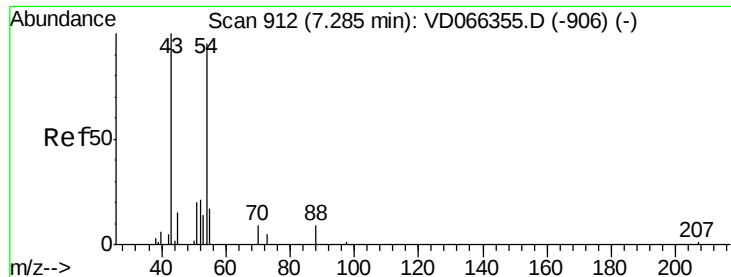
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 49.994 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VD066463.D
 Acq: 28 Aug 2020 16:45

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	93463		
110	38.5		18.7	56.1
77	32.0		25.2	37.8





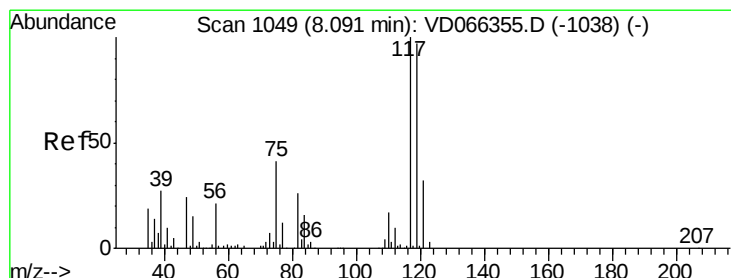
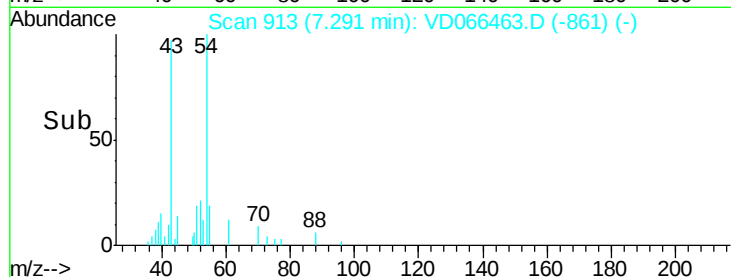
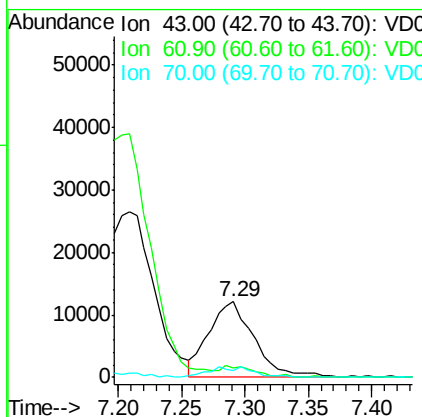
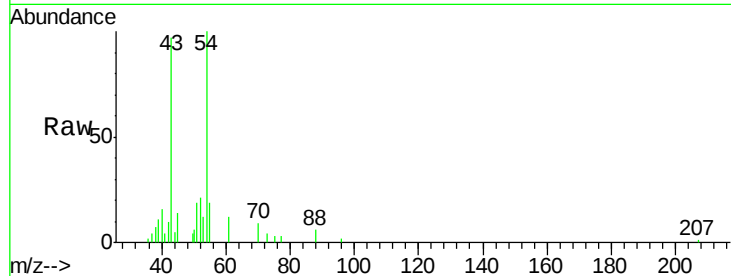
#37
Ethyl Acetate
Concen: 47.688 ug/l
RT: 7.29 min Scan# 913
Delta R.T. 0.01 min
Lab File: VD066463.D
Acq: 28 Aug 2020 16:45

Instrument :
MSVOA_D
ClientSampleId :
789UMR-TP11-0006-01MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	13.3	19.9#
70	7.8	3.5	5.3#

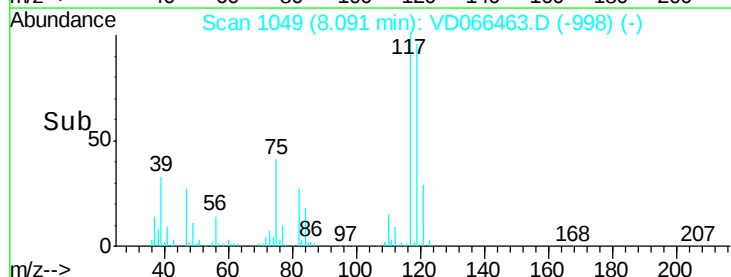
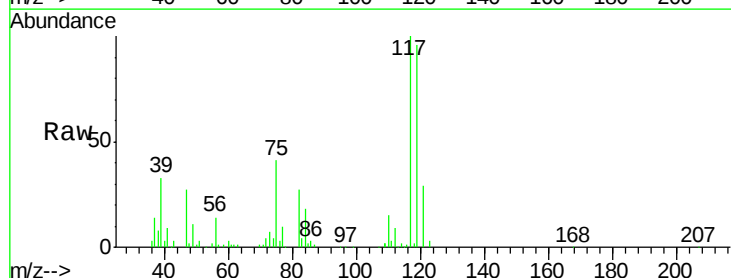
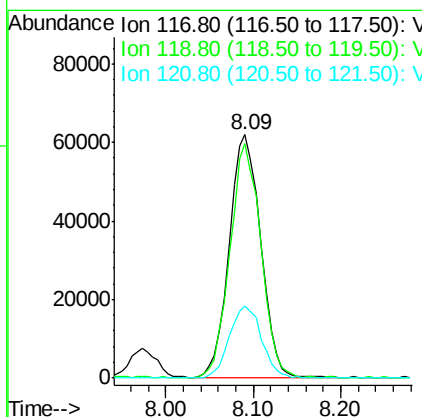
Manual Integrations
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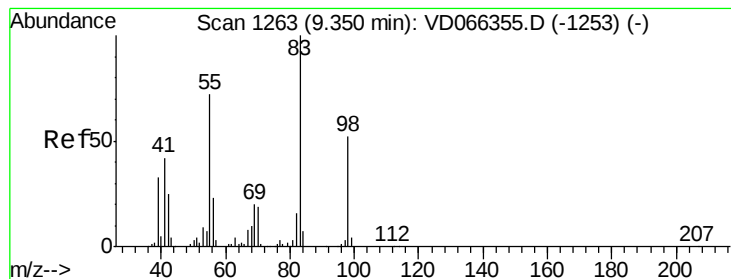
MMDadoda
8/31/2020 11:58:39 AM



#38
Carbon Tetrachloride
Concen: 62.528 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VD066463.D
Acq: 28 Aug 2020 16:45

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.3	77.2	115.8
121	29.5	25.8	38.8





#39

Methylvlcvclohexane

Concen: 50.433 ug/l

RT: 9.35 min Scan# 1263

Delta R.T. 0.00 min

Lab File: VD066463.D

Acq: 28 Aug 2020 16:45

Instrument :

MSVOA_D

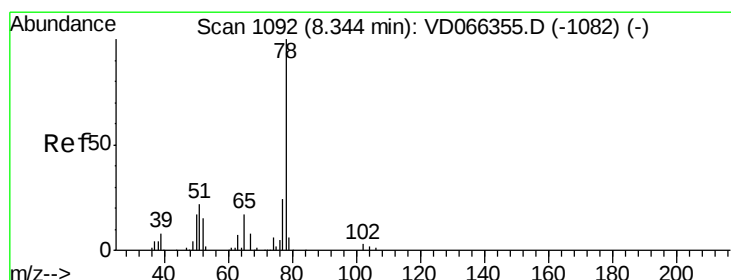
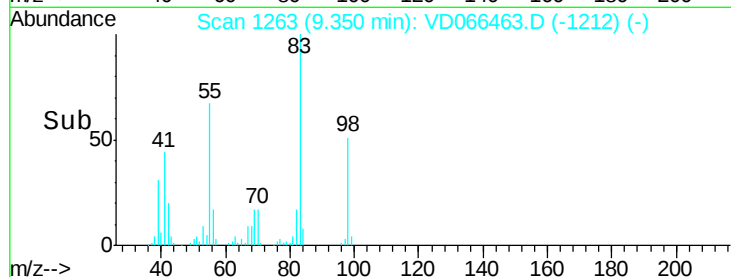
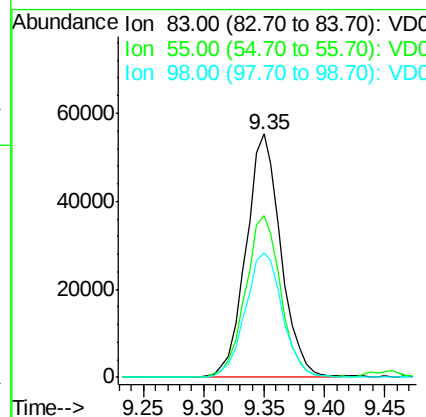
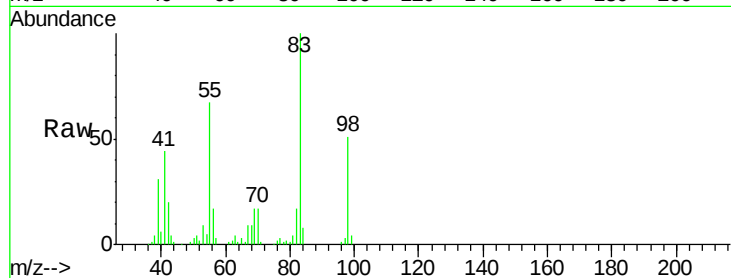
ClientSampleId :

789UMR-TP11-0006-01MS

Tot Ion:	83	Resp:	111065
Ion Ratio	Lower	Upper	
83	100		
55	66.6	58.0	87.0
98	51.0	41.9	62.9

Manual Integrations
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8/31/2020 11:58:39 AM



#40

Benzene

Concen: 50.184 ug/l

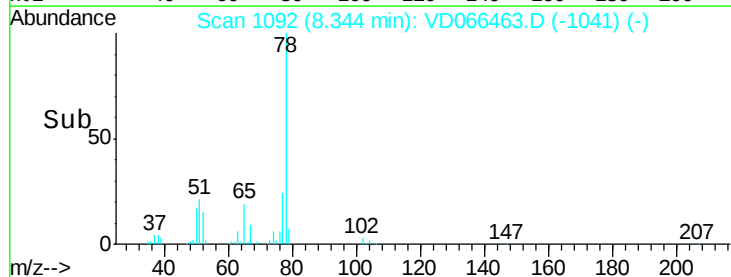
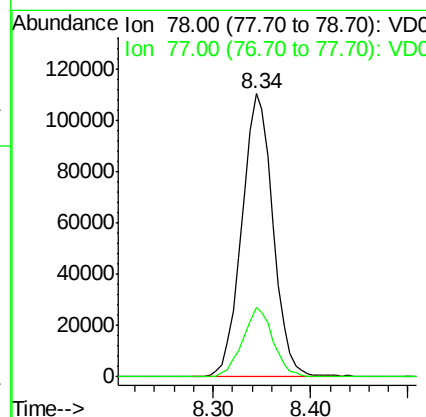
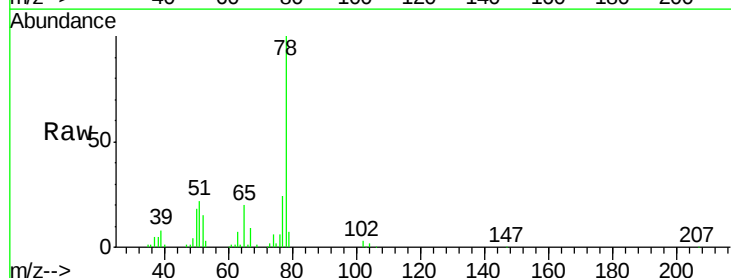
RT: 8.34 min Scan# 1092

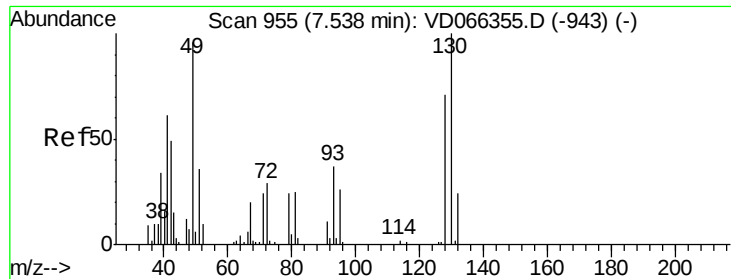
Delta R.T. 0.00 min

Lab File: VD066463.D

Acq: 28 Aug 2020 16:45

Tgt Ion:	78	Resp:	246807
Ion Ratio	Lower	Upper	
78	100		
77	24.5	18.8	28.2





#41

Methacrylonitrile

Concen: 52.056 ug/l m

RT: 7.51 min Scan# 951

Delta R.T. -0.02 min

Lab File: VD066463.D

Acq: 28 Aug 2020 16:45

Instrument :

MSVOA_D

ClientSampleId :

789UMR-TP11-0006-01MS

Tot Ion: 41 Resp: 20412

Ion Ratio Lower Upper

41 100

39 148.6 51.8 77.8#

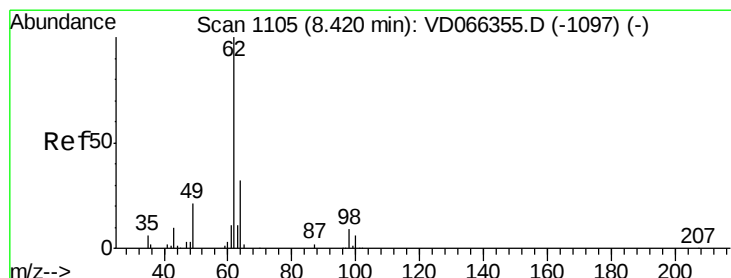
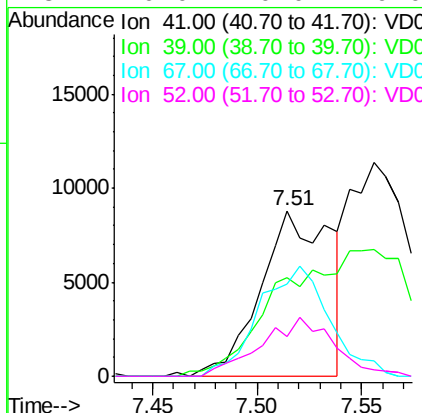
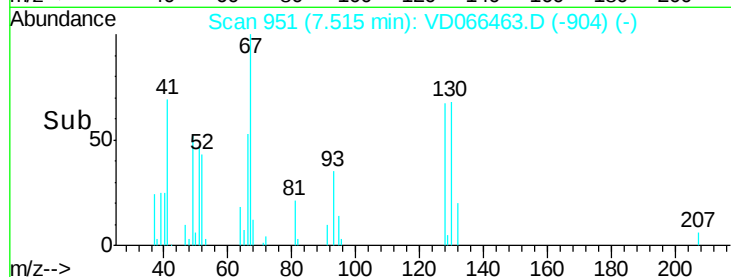
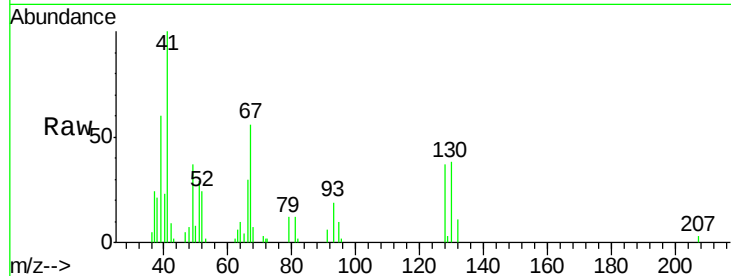
67 0.0 0.0 0.0

52 0.0 0.0 0.0

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#42

1,2-Dichloroethane

Concen: 62.828 ug/l

RT: 8.42 min Scan# 1105

Delta R.T. 0.00 min

Lab File: VD066463.D

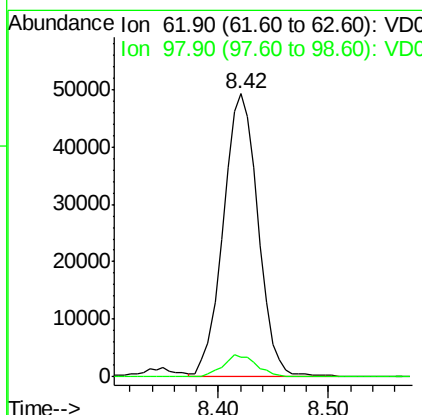
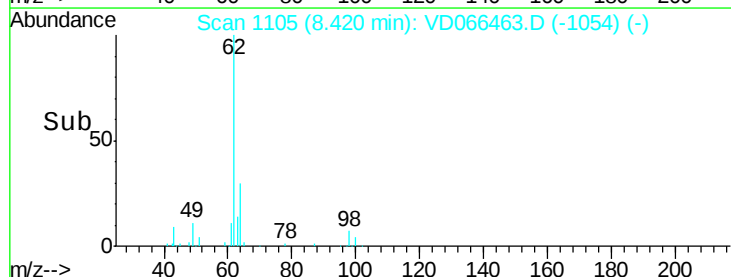
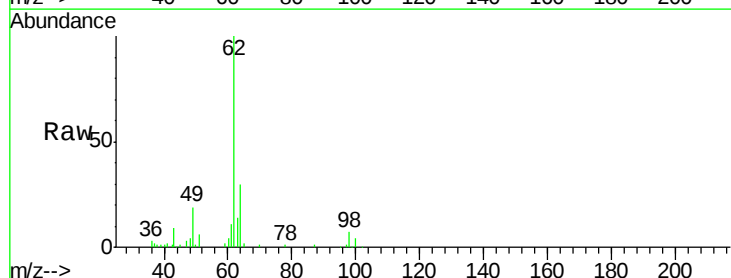
Acq: 28 Aug 2020 16:45

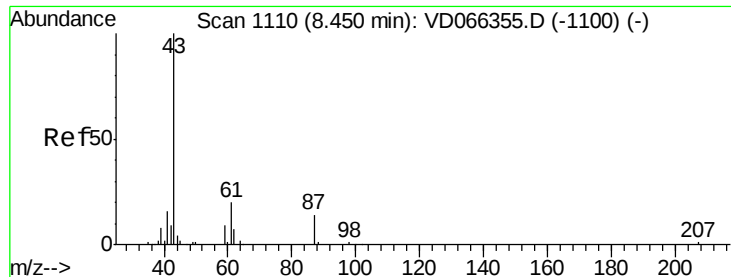
Tgt Ion: 62 Resp: 108827

Ion Ratio Lower Upper

62 100

98 7.4 0.0 16.2





#43

Isopropyl Acetate

Concen: 49.900 ug/l

RT: 8.44 min Scan# 1109

Delta R.T. -0.01 min

Lab File: VD066463.D

Acq: 28 Aug 2020 16:45

Instrument :

MSVOA_D

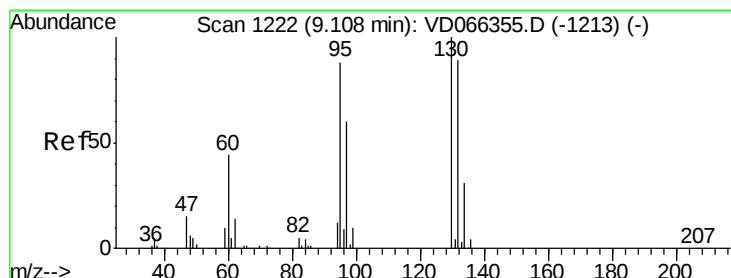
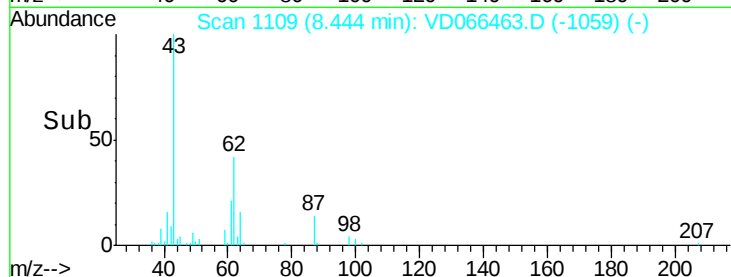
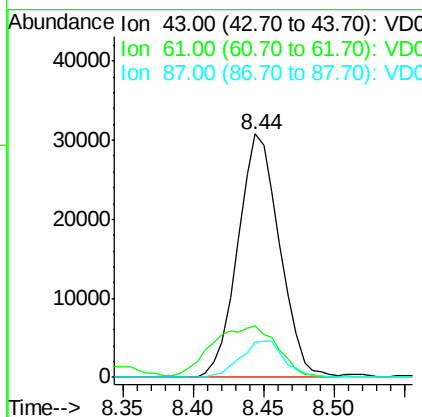
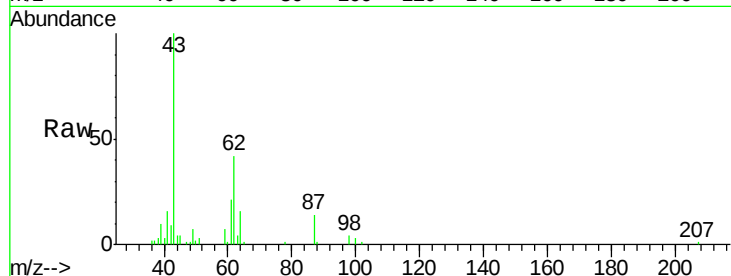
ClientSampleId :

789UMR-TP11-0006-01MS

Tot Ion:	43	Resp:	63684
Ion	Ratio	Lower	Upper
43	100		
61	33.1	26.5	39.7
87	15.6	11.9	17.9

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#44

Trichloroethene

Concen: 54.403 ug/l

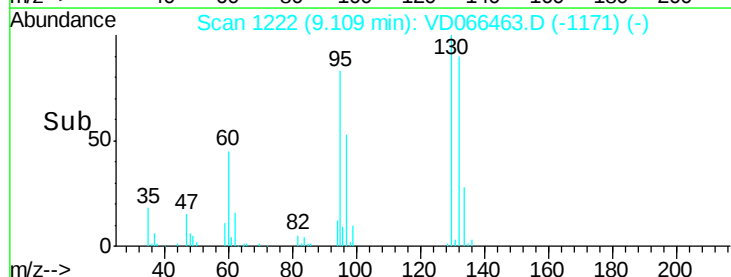
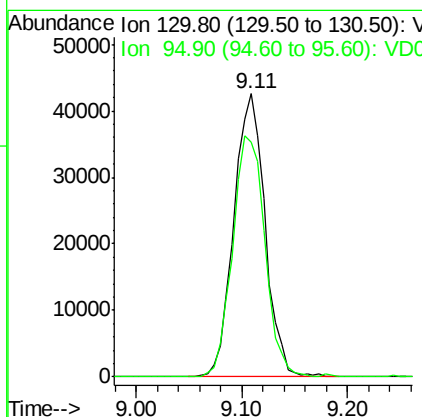
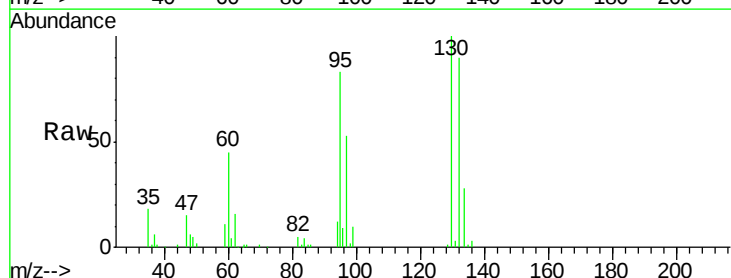
RT: 9.11 min Scan# 1222

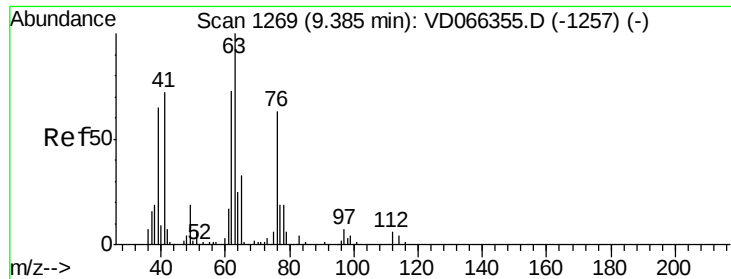
Delta R.T. 0.00 min

Lab File: VD066463.D

Acq: 28 Aug 2020 16:45

Tgt Ion:	130	Resp:	86940
Ion	Ratio	Lower	Upper
130	100		
95	82.9	0.0	175.6





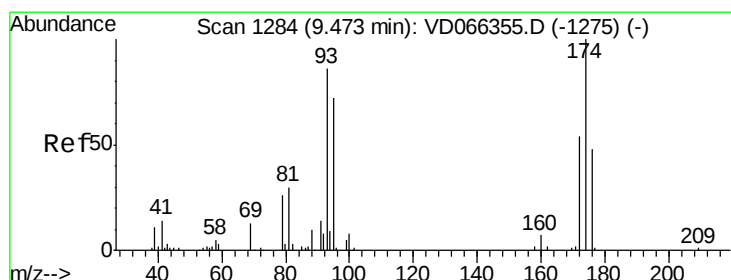
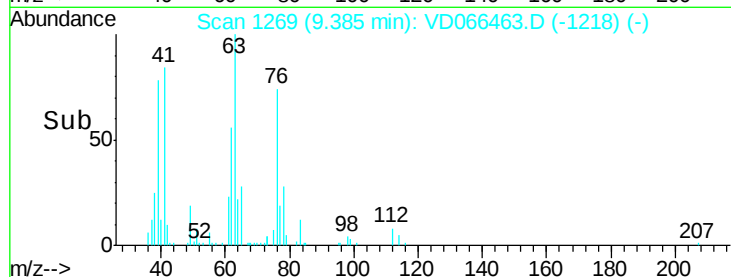
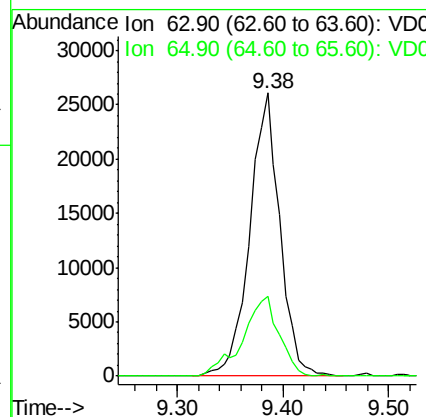
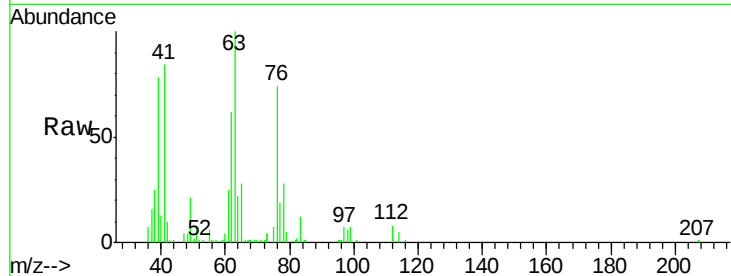
#45
 1,2-Dichloropropane
 Concen: 46.414 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VD066463.D
 Acq: 28 Aug 2020 16:45

Instrument :
 MSVOA_D
 ClientSampleId :
 789UMR-TP11-0006-01MS

Tot Ion: 63 Resp: 51749
 Ion Ratio Lower Upper
 63 100
 65 28.4 26.4 39.6

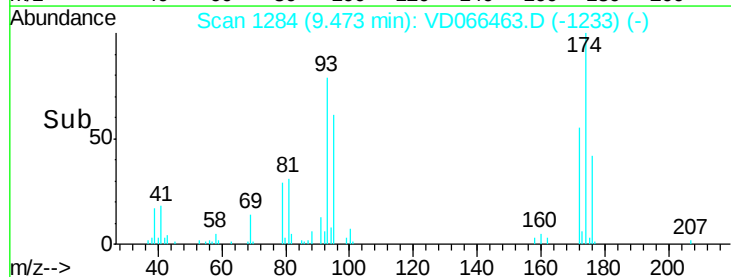
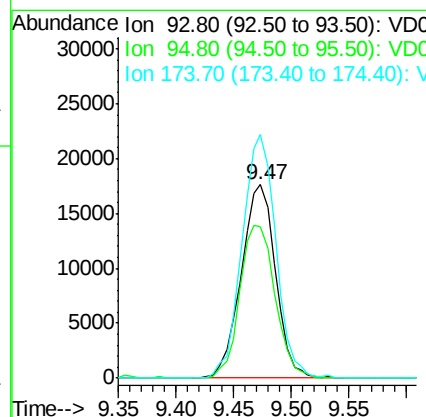
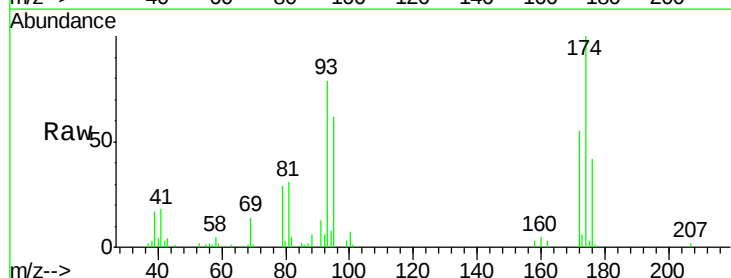
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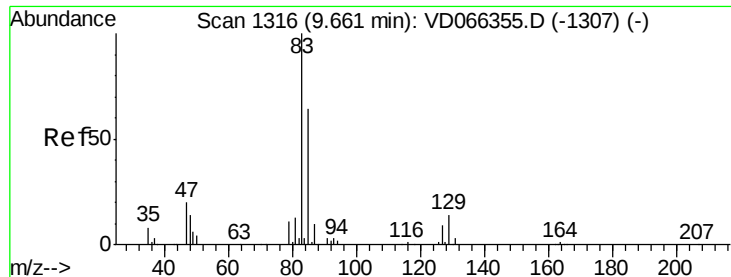
MMDadoda
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#46
 Dibromomethane
 Concen: 52.477 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. 0.00 min
 Lab File: VD066463.D
 Acq: 28 Aug 2020 16:45

Tgt Ion: 93 Resp: 36429
 Ion Ratio Lower Upper
 93 100
 95 80.7 66.0 99.0
 174 124.2 94.6 141.8





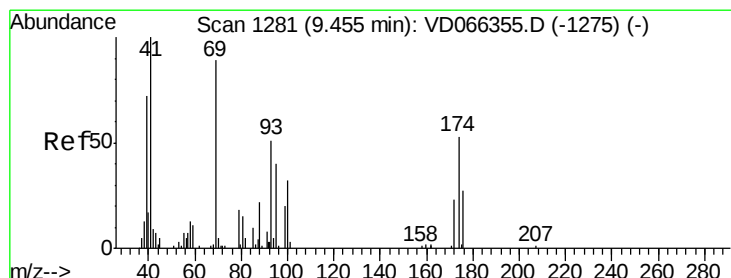
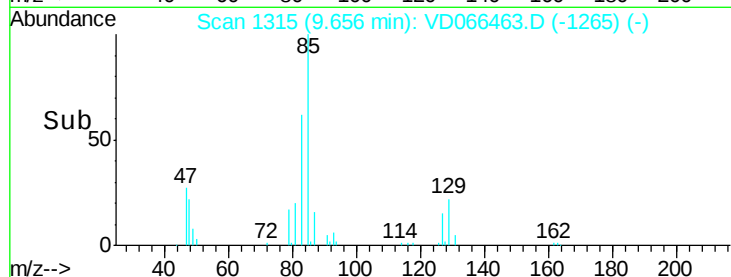
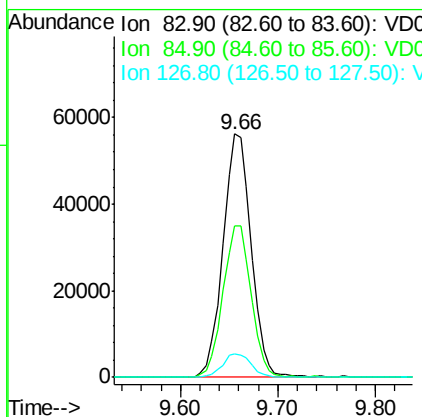
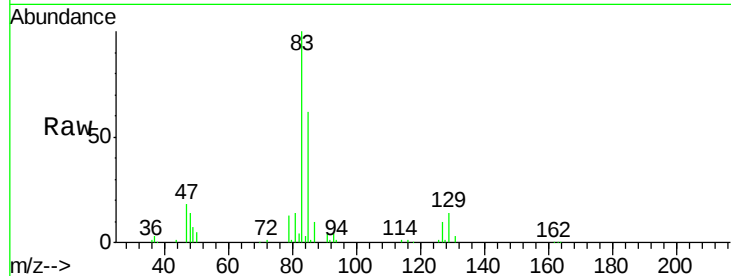
#47
Bromodichloromethane
Concen: 58.858 ug/l
RT: 9.66 min Scan# 1315
Delta R.T. -0.01 min
Lab File: VD066463.D
Acq: 28 Aug 2020 16:45

Instrument :
MSVOA_D
ClientSampleId :
789UMR-TP11-0006-01MS

Tot Ion	Ratio	Resp	Lower	Upper
83	100	112364		
85	62.3	51.4	77.0	
127	9.6	7.4	11.0	

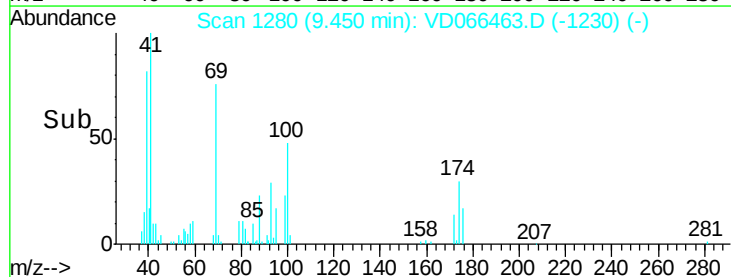
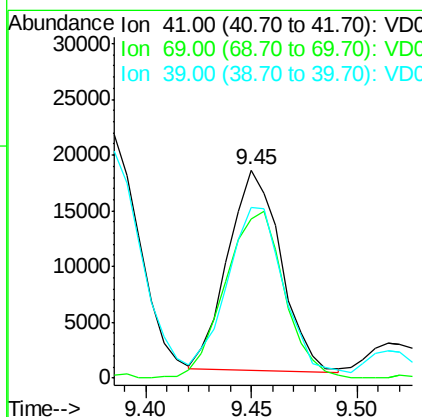
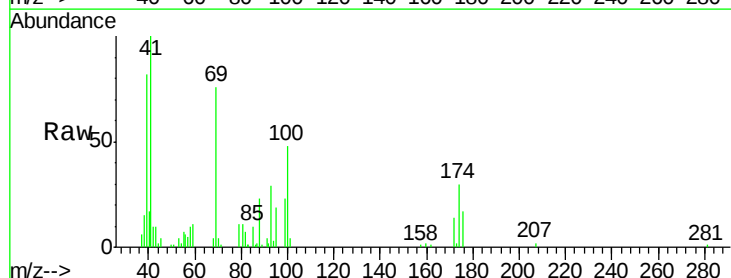
Manual Integrations
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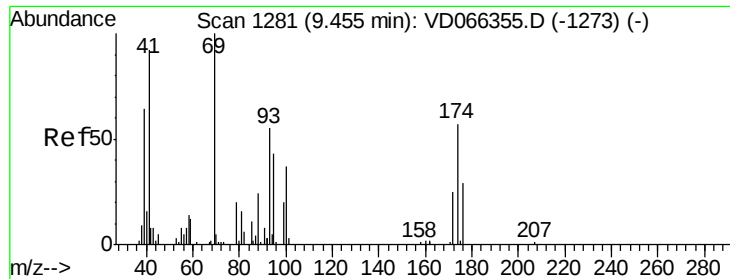
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#48
Methyl methacrylate
Concen: 47.594 ug/l
RT: 9.45 min Scan# 1280
Delta R.T. -0.01 min
Lab File: VD066463.D
Acq: 28 Aug 2020 16:45

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	31322		
69	92.7	75.5	113.3	
39	93.6	57.0	85.4#	





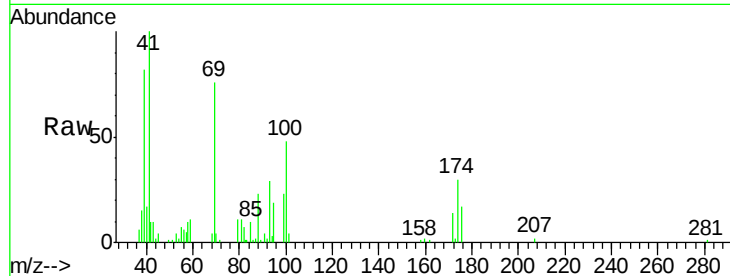
#49
1,4-Dioxane
Concen: 1056.983 ug/l
RT: 9.45 min Scan# 1280
Delta R.T. -0.01 min
Lab File: VD066463.D
Acq: 28 Aug 2020 16:45

Instrument :
MSVOA_D
ClientSampleId :
789UMR-TP11-0006-01MS

Tot Ion	Ratio	Lower	Upper
88	100		
43	41.6	29.4	44.0
58	61.5	45.4	68.2

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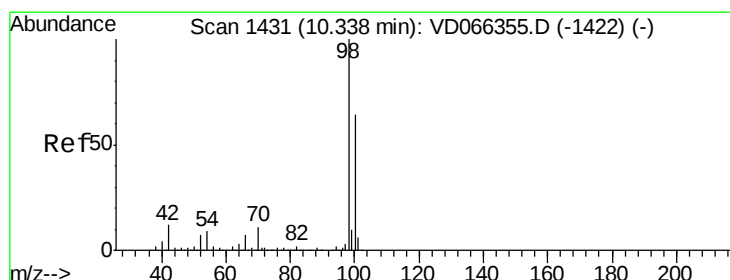
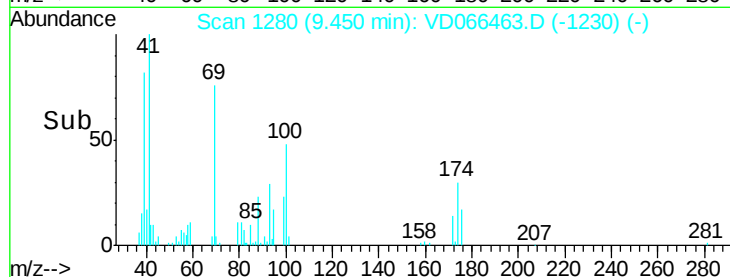
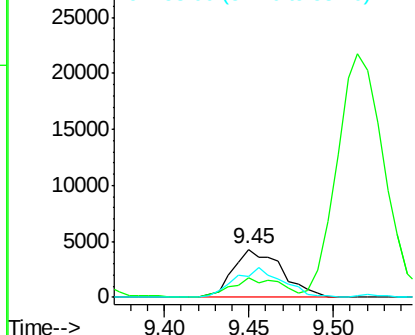


Abundance

Ion 88.00 (87.70 to 88.70): VDC

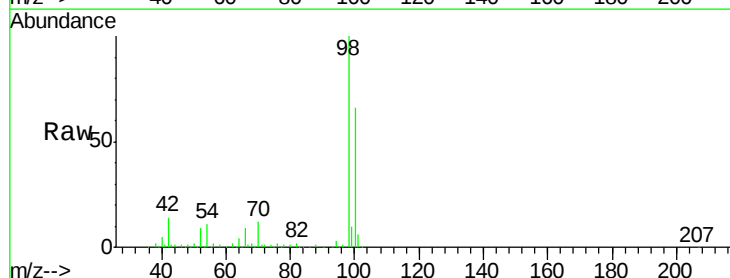
Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#50
Toluene-d8
Concen: 53.796 ug/l
RT: 10.33 min Scan# 1430
Delta R.T. -0.01 min
Lab File: VD066463.D
Acq: 28 Aug 2020 16:45

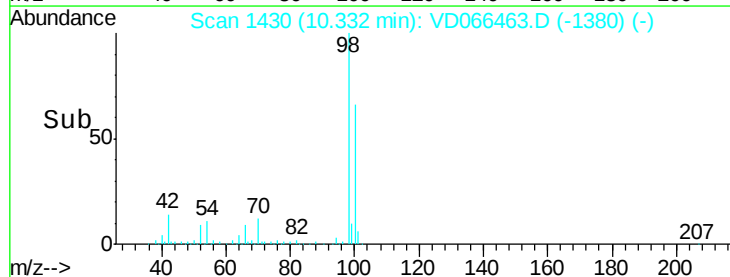
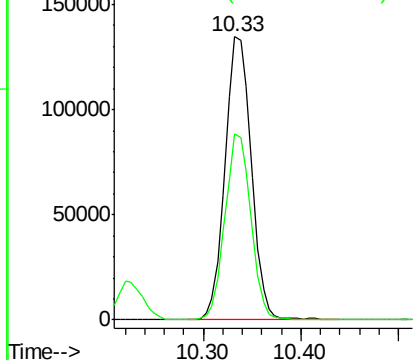
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.8	53.0	79.4

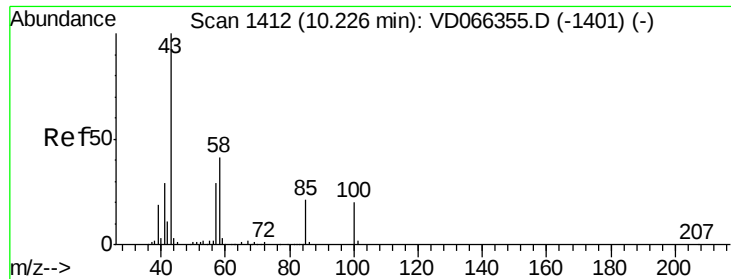


Abundance

Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 246.225 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. 0.00 min

Lab File: VD066463.D

Acq: 28 Aug 2020 16:45

Instrument :

MSVOA_D

ClientSampleId :

789UMR-TP11-0006-01MS

Tot Ion: 43 Resp: 152017

Ion Ratio Lower Upper

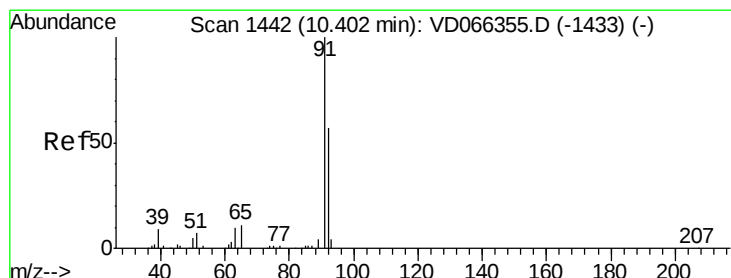
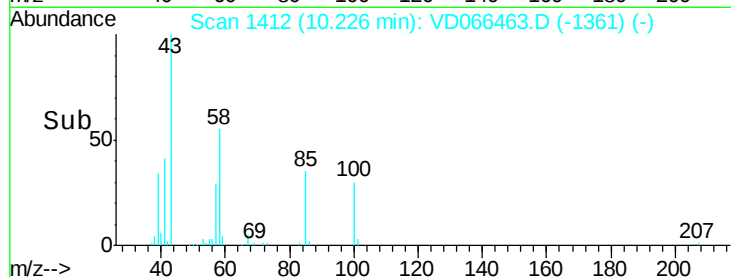
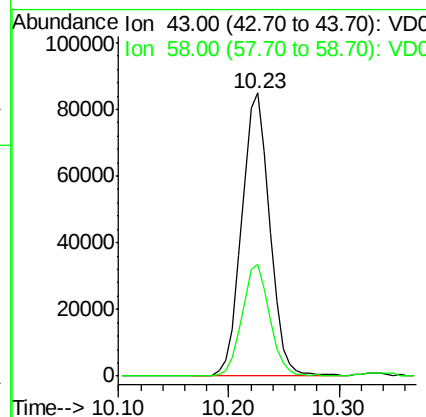
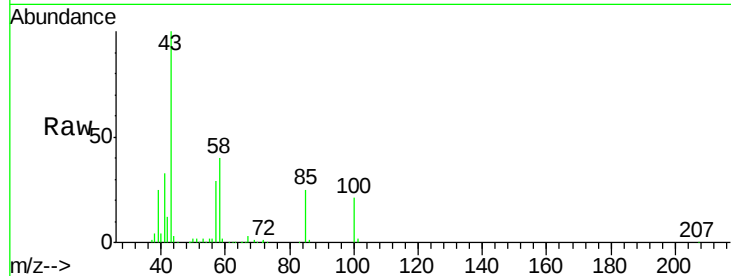
43 100

58 39.1 31.4 47.2

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#52

Toluene

Concen: 53.005 ug/l

RT: 10.40 min Scan# 1441

Delta R.T. -0.01 min

Lab File: VD066463.D

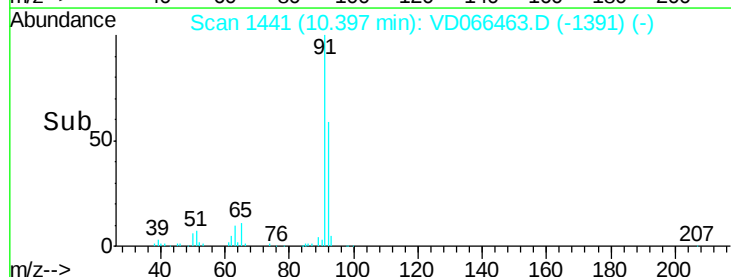
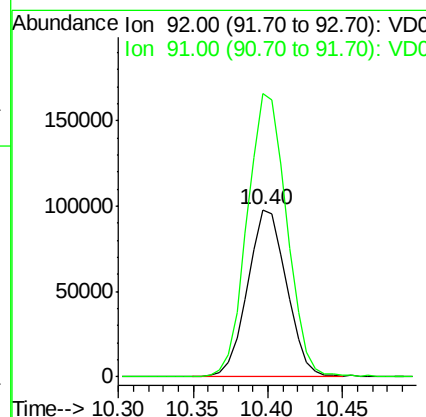
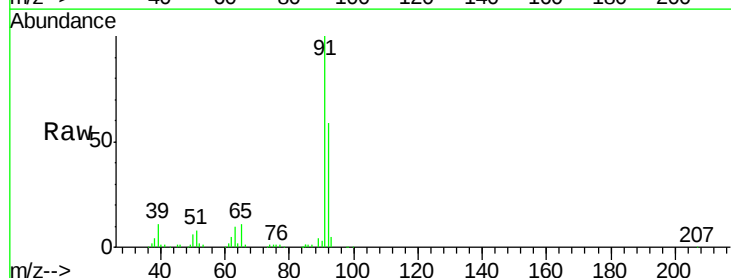
Acq: 28 Aug 2020 16:45

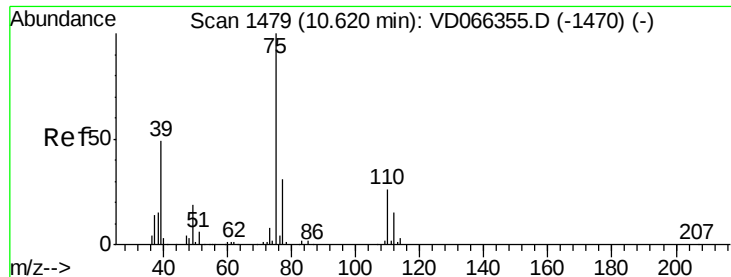
Tgt Ion: 92 Resp: 176613

Ion Ratio Lower Upper

92 100

91 172.8 135.8 203.6





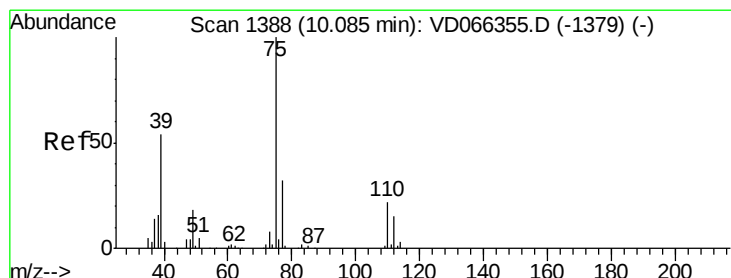
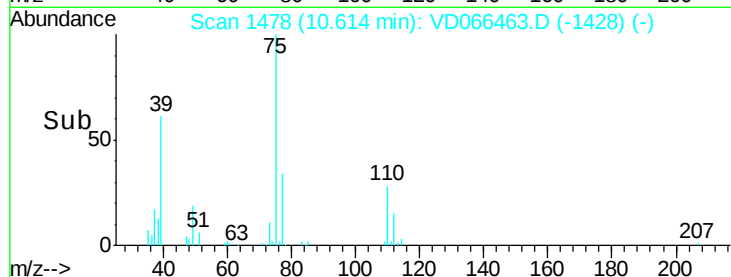
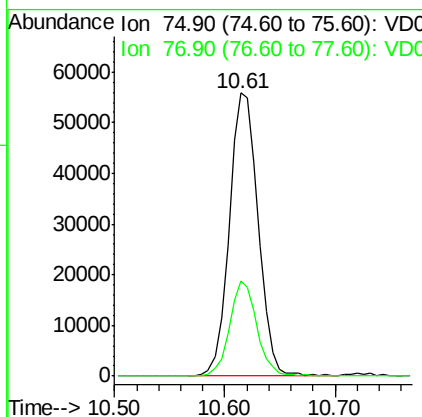
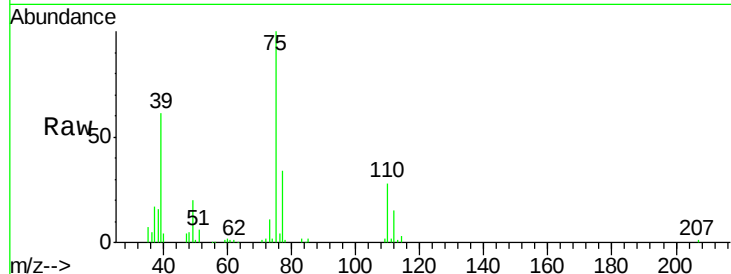
#53
t-1,3-Dichloropropene
Concen: 56.400 ug/l
RT: 10.61 min Scan# 1478
Delta R.T. -0.01 min
Lab File: VD066463.D
Acq: 28 Aug 2020 16:45

Instrument :
MSVOA_D
ClientSampleId :
789UMR-TP11-0006-01MS

Tot Ion: 75 Resp: 102166
Ion Ratio Lower Upper
75 100
77 33.9 24.5 36.7

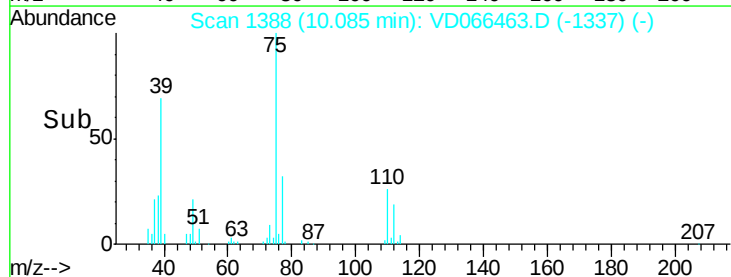
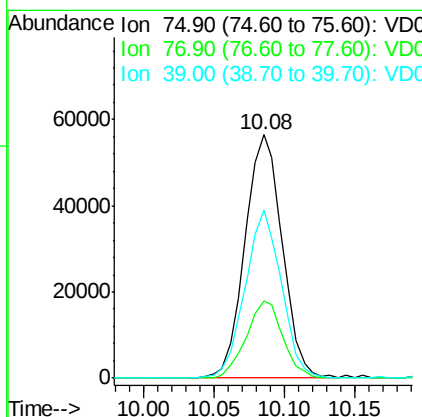
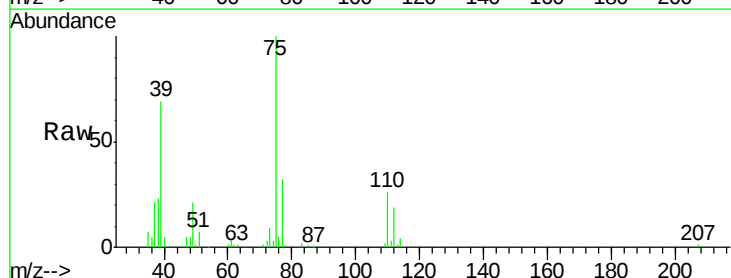
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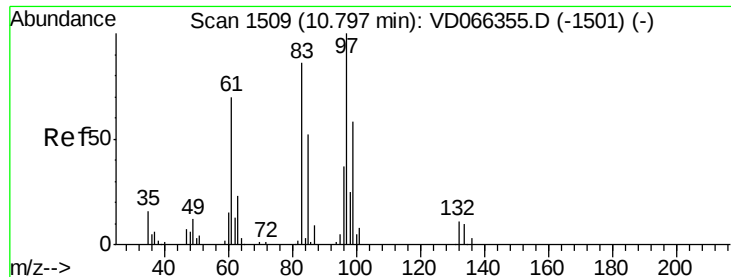
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#54
cis-1,3-Dichloropropene
Concen: 51.555 ug/l
RT: 10.08 min Scan# 1388
Delta R.T. 0.00 min
Lab File: VD066463.D
Acq: 28 Aug 2020 16:45

Tgt Ion: 75 Resp: 104827
Ion Ratio Lower Upper
75 100
77 31.7 25.6 38.4
39 68.8 43.4 65.0#





#55

1,1,2-Trichloroethane

Concen: 50.411 ug/l

RT: 10.80 min Scan# 1509

Delta R.T. 0.00 min

Lab File: VD066463.D

Acq: 28 Aug 2020 16:45

Instrument :

MSVOA_D

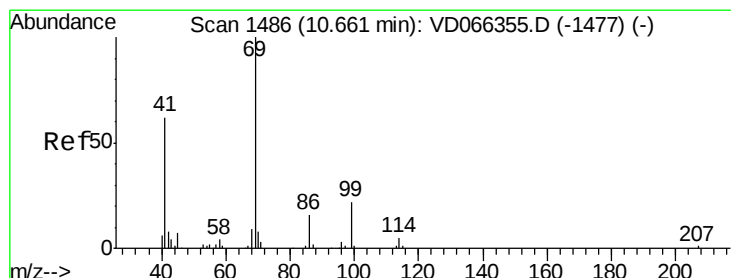
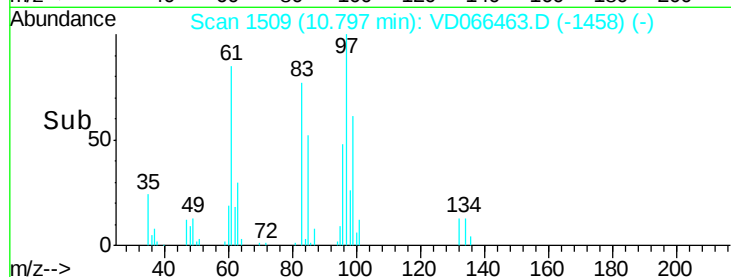
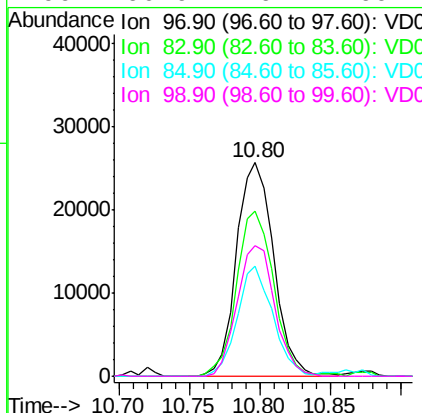
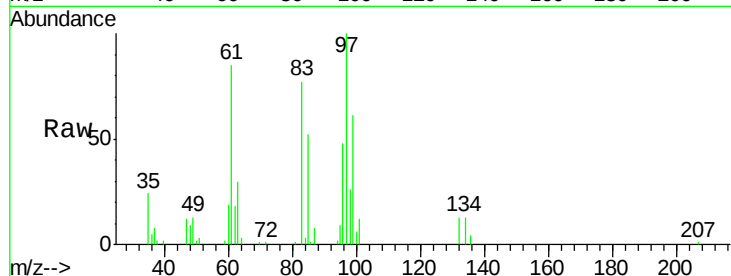
ClientSampleId :

789UMR-TP11-0006-01MS

Tot Ion:	97	Resp:	47375
Ion	Ratio	Lower	Upper
97	100		
83	77.2	68.4	102.6
85	51.7	41.3	61.9
99	60.9	46.1	69.1

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#56

Ethyl methacrylate

Concen: 50.927 ug/l

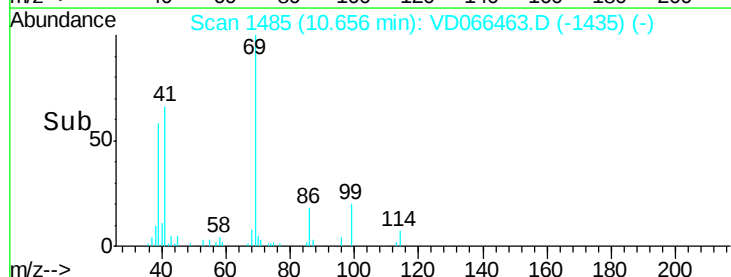
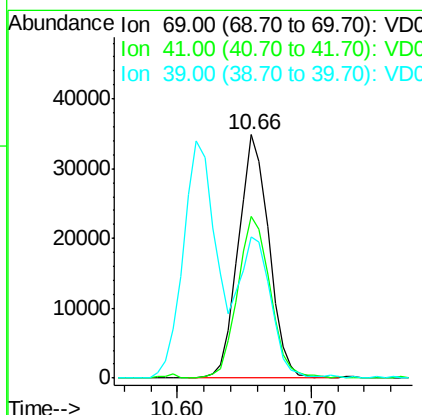
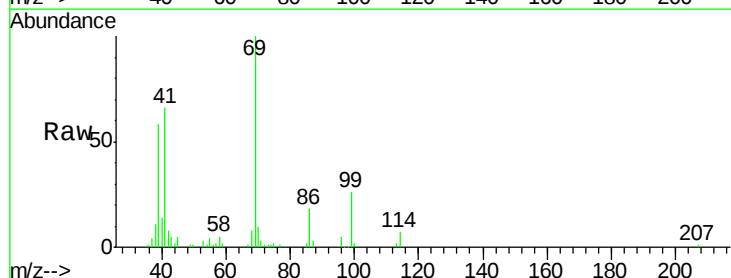
RT: 10.66 min Scan# 1485

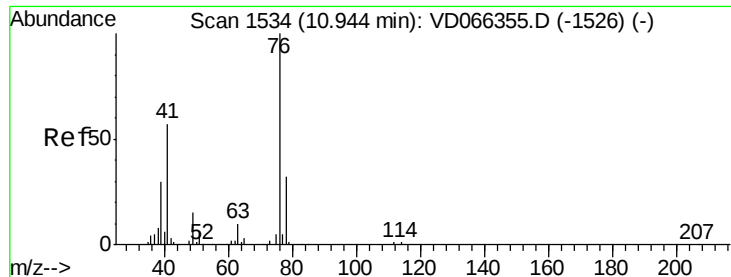
Delta R.T. -0.01 min

Lab File: VD066463.D

Acq: 28 Aug 2020 16:45

Tgt Ion:	69	Resp:	55404
Ion	Ratio	Lower	Upper
69	100		
41	70.7	50.8	76.2
39	60.8	32.9	49.3#





#57

1,3-Dichloropropane

Concen: 52.547 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. 0.00 min

Lab File: VD066463.D

Acq: 28 Aug 2020 16:45

Instrument :

MSVOA_D

ClientSampleId :

789UMR-TP11-0006-01MS

Tot Ion: 76 Resp: 81683

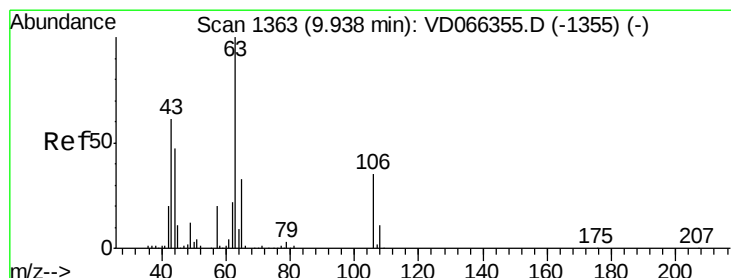
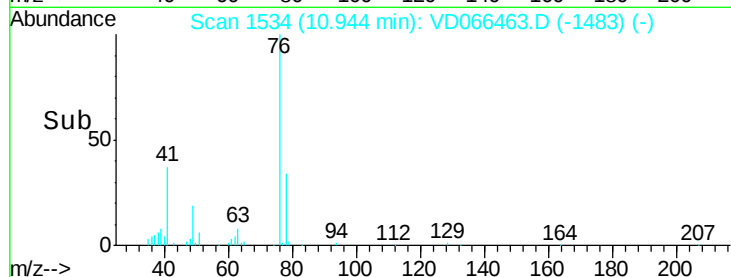
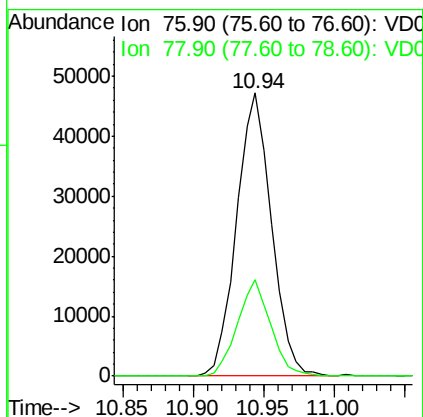
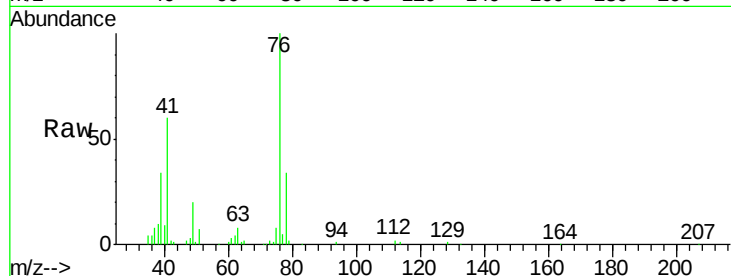
Ion Ratio Lower Upper

76 100

78 32.4 25.6 38.4

Manual Integrations
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8/31/2020 11:58:39 AM



#58

2-Chloroethyl Vinyl ether

Concen: 232.568 ug/l

RT: 9.94 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VD066463.D

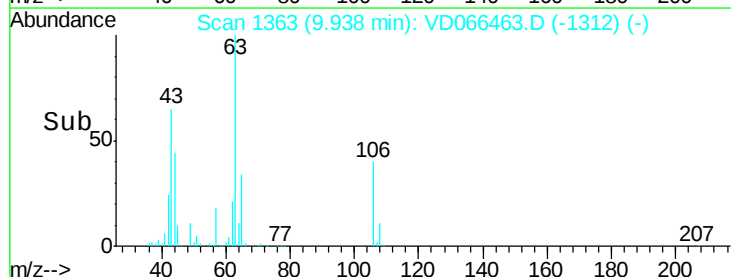
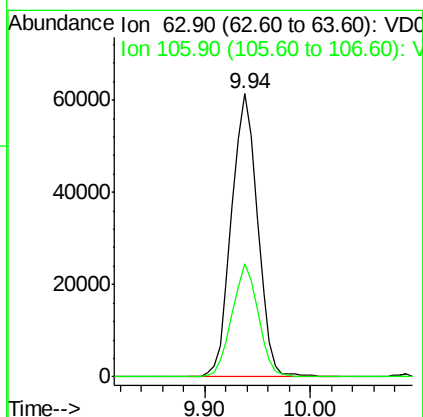
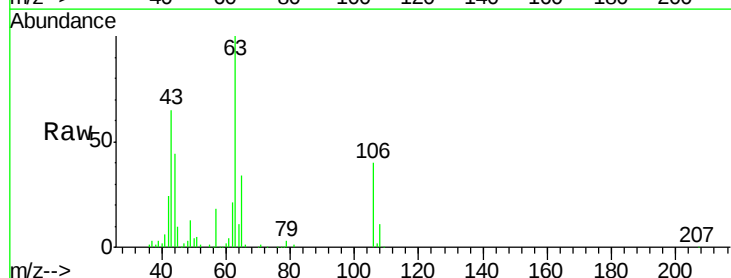
Acq: 28 Aug 2020 16:45

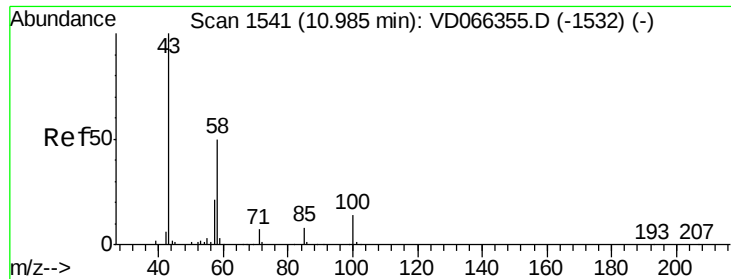
Tgt Ion: 63 Resp: 105083

Ion Ratio Lower Upper

63 100

106 39.8 27.1 40.7





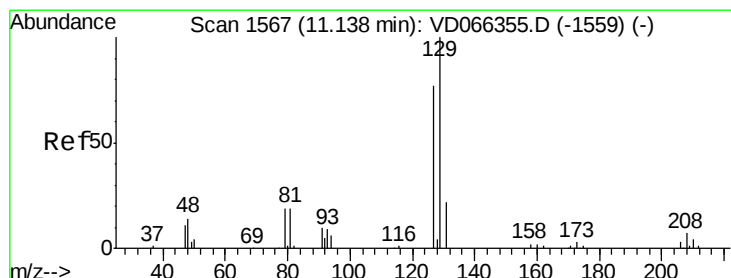
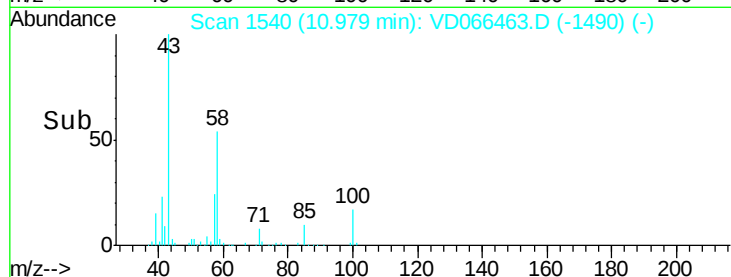
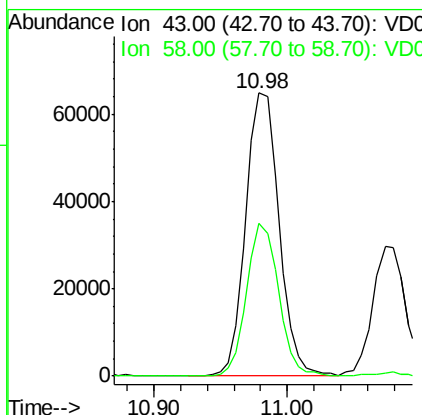
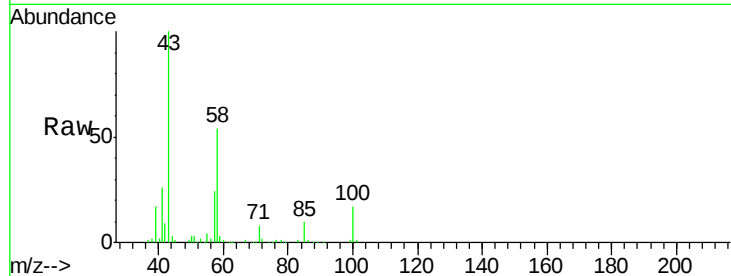
#59
2-Hexanone
Concen: 257.492 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.01 min
Lab File: VD066463.D
Acq: 28 Aug 2020 16:45

Instrument :
MSVOA_D
ClientSampleId :
789UMR-TP11-0006-01MS

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.7	26.3	78.8

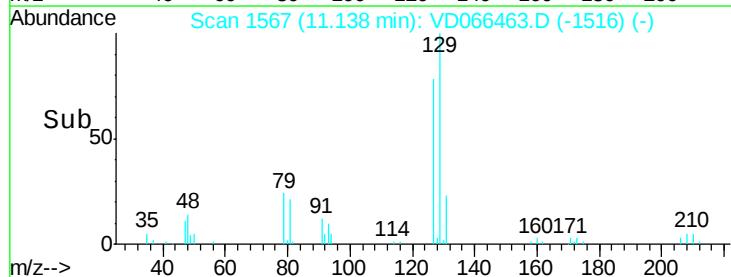
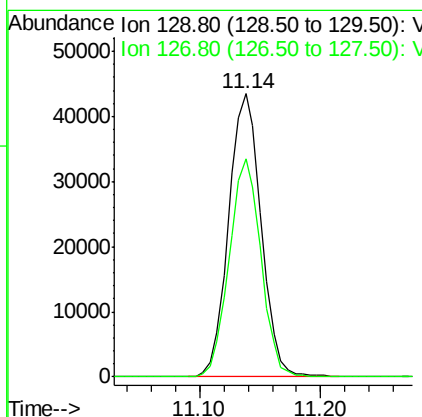
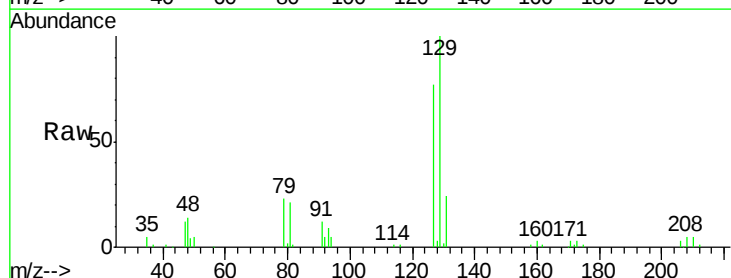
Manual Integrations
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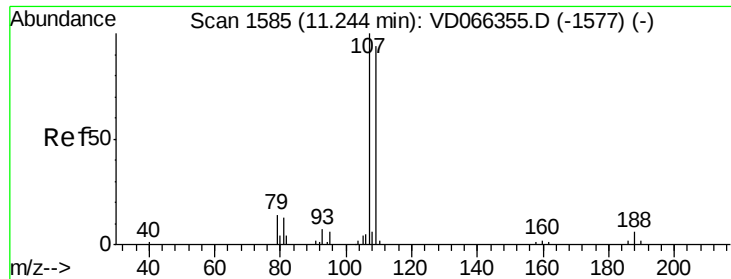
MMDadoda
8/31/2020 11:58:39 AM



#60
Dibromochloromethane
Concen: 57.299 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VD066463.D
Acq: 28 Aug 2020 16:45

Tgt Ion	Ratio	Lower	Upper
129	100		
127	75.3	39.0	117.0





#61

1,2-Dibromoethane

Concen: 51.858 ug/l

RT: 11.24 min Scan# 1585

Delta R.T. 0.00 min

Lab File: VD066463.D

Acq: 28 Aug 2020 16:45

Instrument :

MSVOA_D

ClientSampleId :

789UMR-TP11-0006-01MS

Tot Ion: 107 Resp: 47960

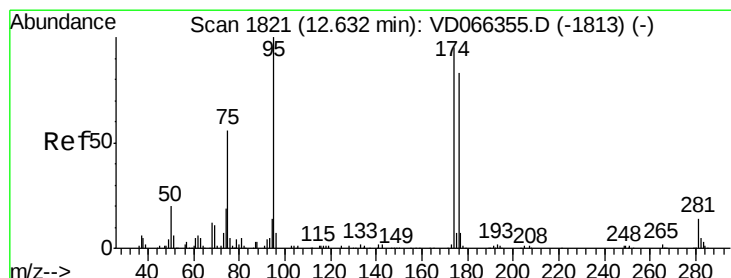
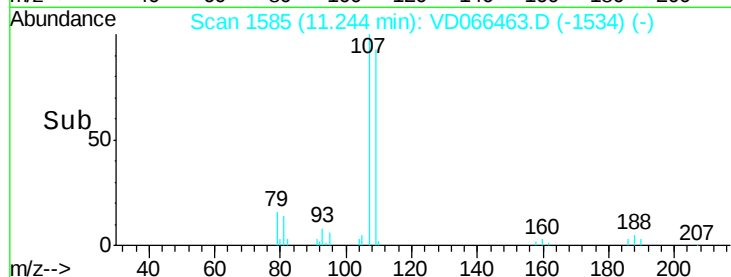
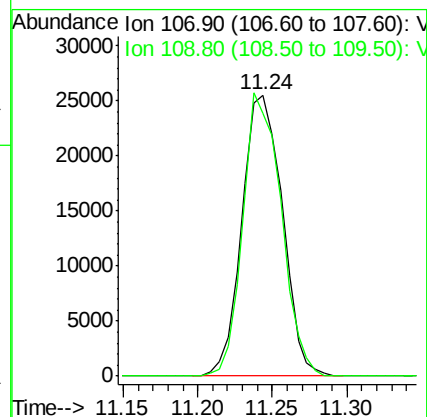
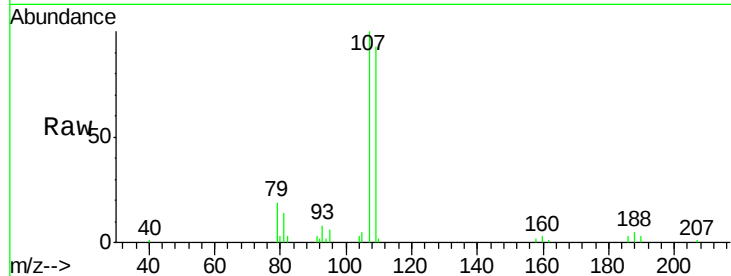
Ion Ratio Lower Upper

107 100

109 95.2 77.8 116.8

Manual Integrations
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MMDadoda
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#62

4-Bromofluorobenzene

Concen: 56.961 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VD066463.D

Acq: 28 Aug 2020 16:45

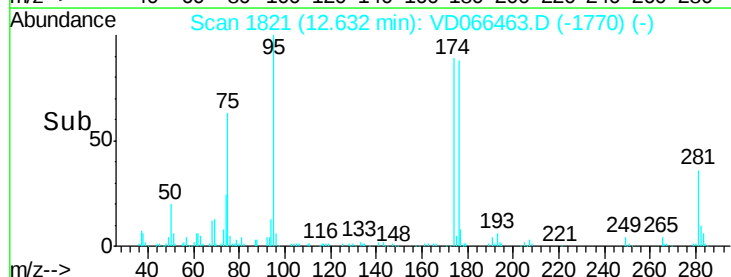
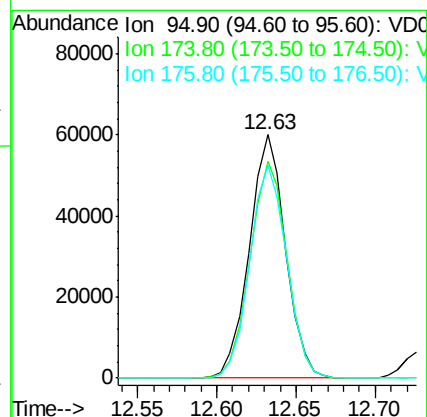
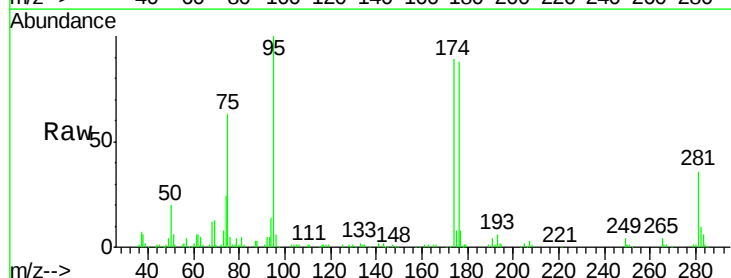
Tgt Ion: 95 Resp: 94750

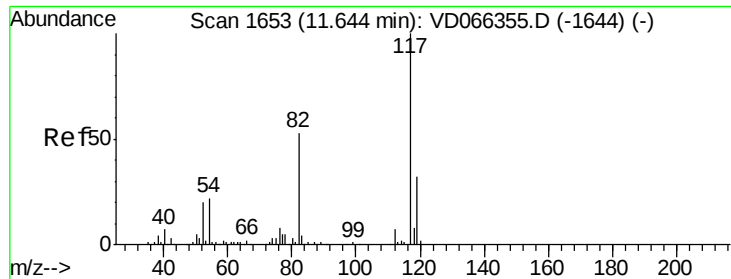
Ion Ratio Lower Upper

95 100

174 91.6 0.0 183.4

176 89.5 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.64 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VD066463.D

Acq: 28 Aug 2020 16:45

Instrument :

MSVOA_D

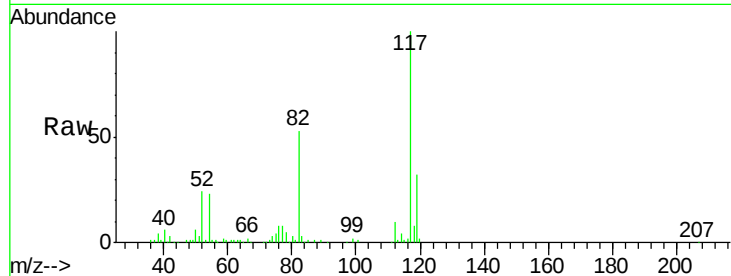
ClientSampleId :

789UMR-TP11-0006-01MS

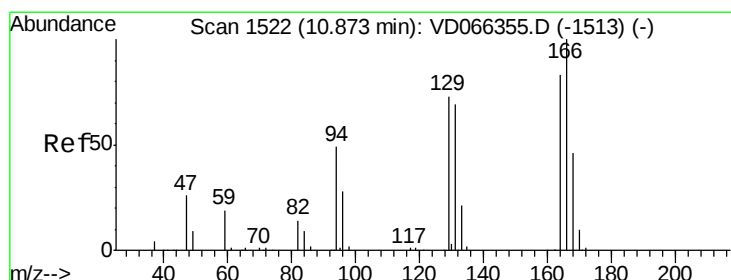
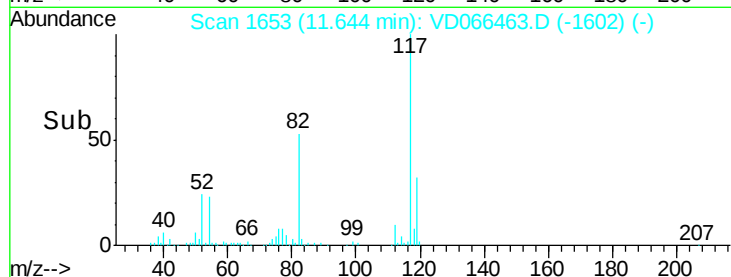
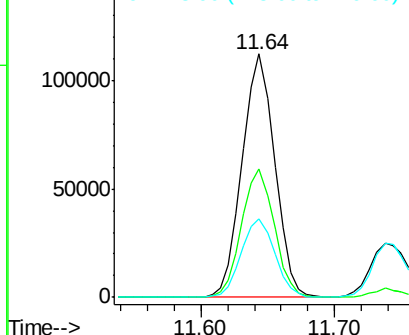
Tot Ion:	117	Resp:	190274
Ion Ratio	Lower	Upper	
117	100		
82	52.9	42.8	64.2
119	32.1	25.8	38.8

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Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 54.229 ug/l

RT: 10.87 min Scan# 1522

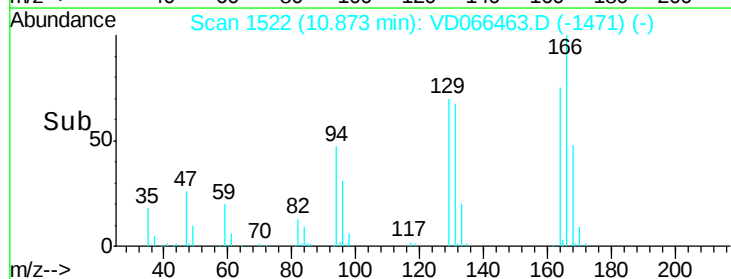
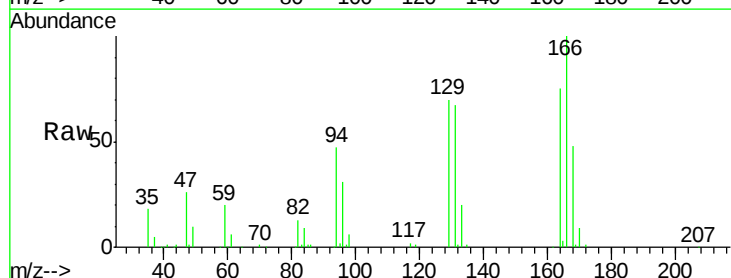
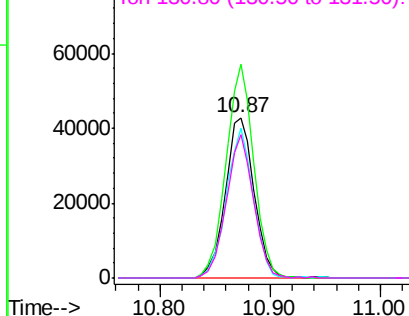
Delta R.T. 0.00 min

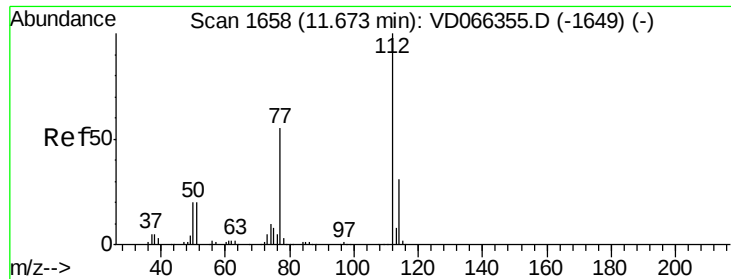
Lab File: VD066463.D

Acq: 28 Aug 2020 16:45

Tgt Ion:	164	Resp:	78275
Ion Ratio	Lower	Upper	
164	100		
166	133.5	96.2	144.4
129	93.6	70.3	105.5
131	89.3	66.4	99.6

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 52.467 ug/l

RT: 11.67 min Scan# 1657

Delta R.T. -0.01 min

Lab File: VD066463.D

Acq: 28 Aug 2020 16:45

Instrument :

MSVOA_D

ClientSampleId :

789UMR-TP11-0006-01MS

Tot Ion:112 Resp: 198616

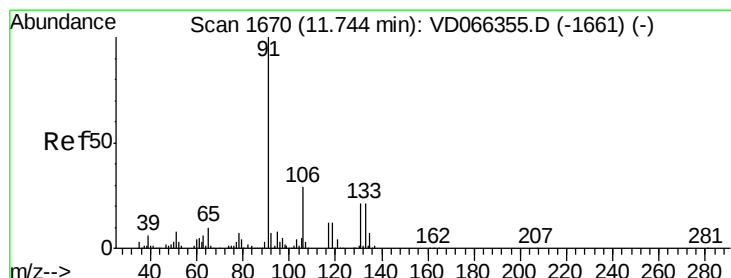
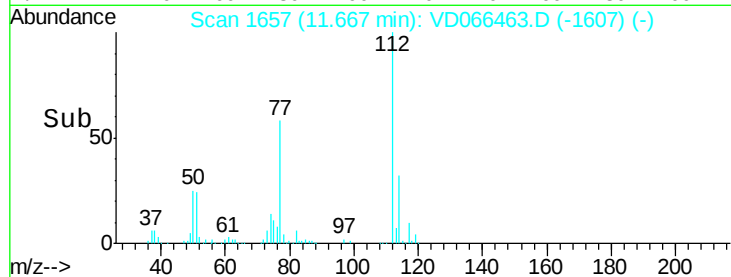
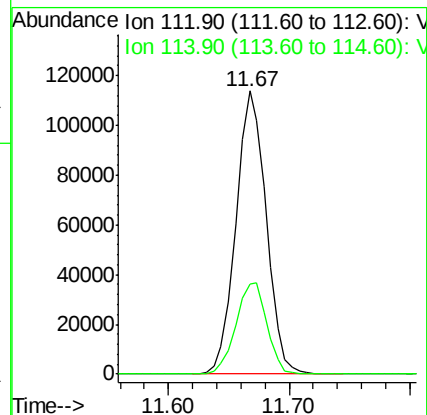
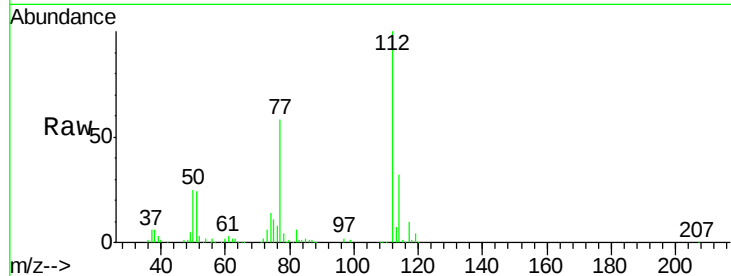
Ion Ratio Lower Upper

112 100

114 31.8 25.1 37.7

Manual Integrations
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MMDadoda
8/31/2020 11:58:39 AM



#66

1,1,1,2-Tetrachloroethane

Concen: 55.446 ug/l

RT: 11.74 min Scan# 1669

Delta R.T. -0.01 min

Lab File: VD066463.D

Acq: 28 Aug 2020 16:45

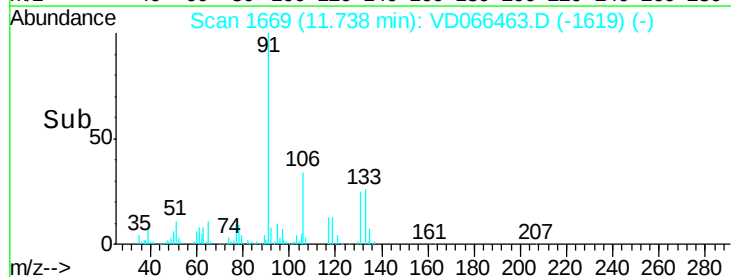
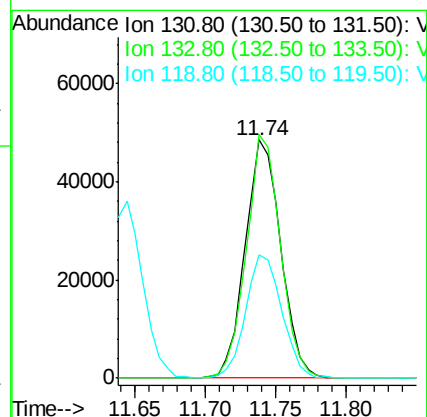
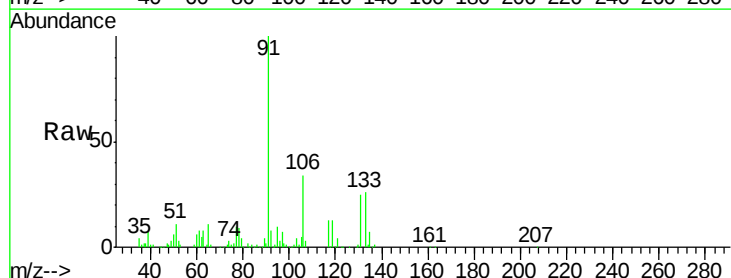
Tgt Ion:131 Resp: 85776

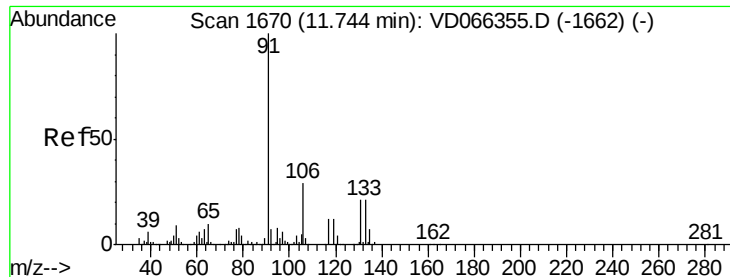
Ion Ratio Lower Upper

131 100

133 98.2 48.6 145.9

119 52.6 29.0 87.1





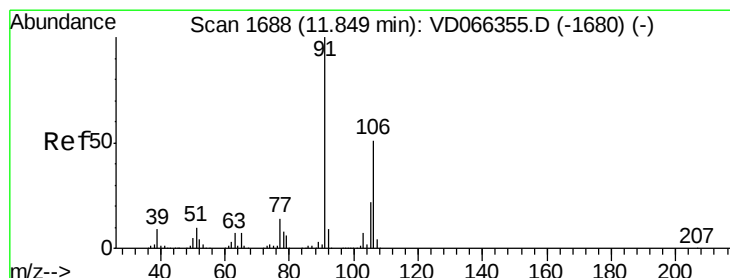
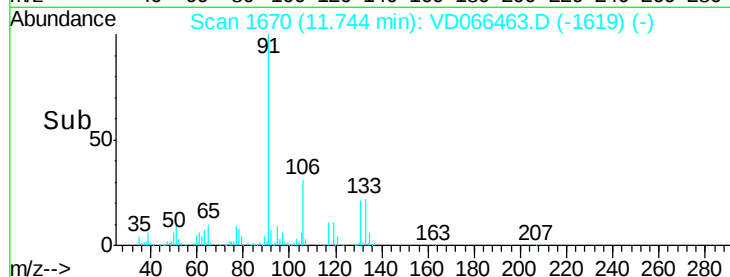
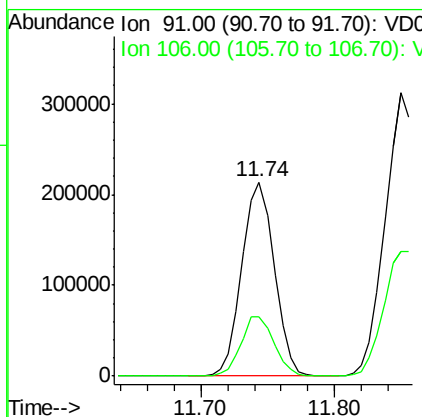
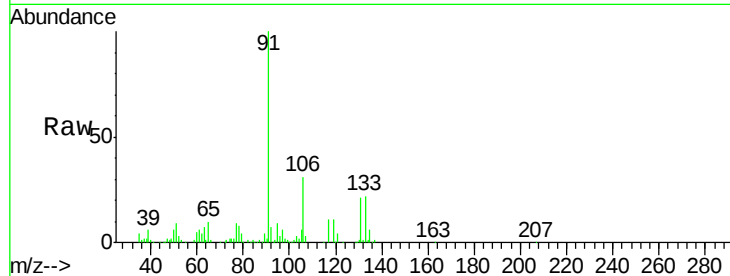
#67
Ethyl Benzene
Concen: 54.196 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066463.D
Acq: 28 Aug 2020 16:45

Instrument :
MSVOA_D
ClientSampleId :
789UMR-TP11-0006-01MS

Tot Ion	91	Resp	361137
Ion Ratio	Lower	Upper	
91	100		
106	30.7	23.4	35.2

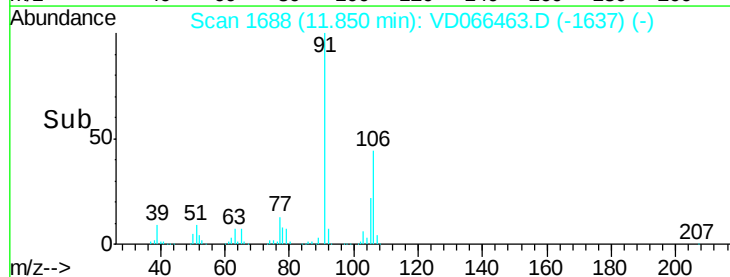
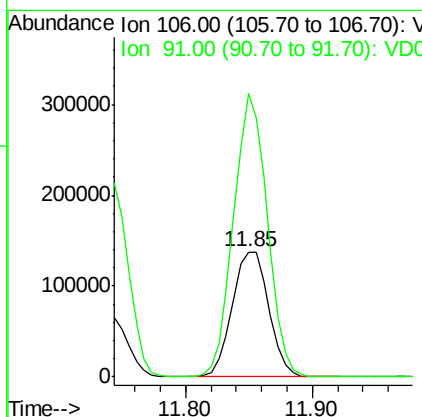
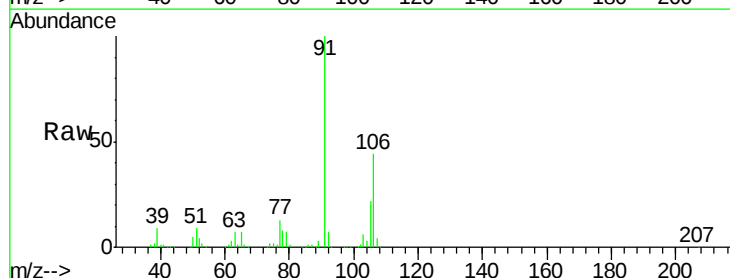
Manual Integrations
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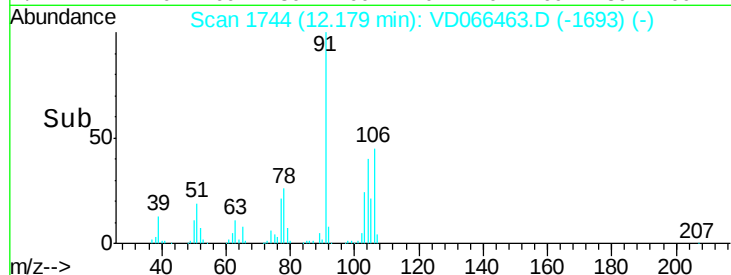
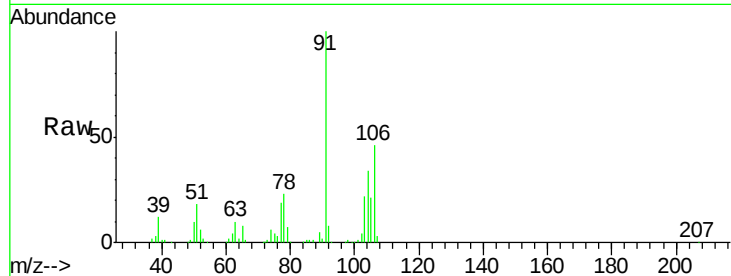
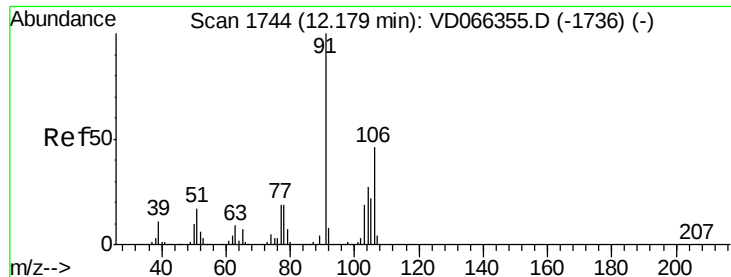
MMDadoda
8/31/2020 11:58:39 AM



#68
m/p-Xylenes
Concen: 108.401 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VD066463.D
Acq: 28 Aug 2020 16:45

Tgt Ion	106	Resp	275317
Ion Ratio <td>Lower</td> <td>Upper</td> <td></td>	Lower	Upper	
106	100		
91	209.6	160.7	241.1





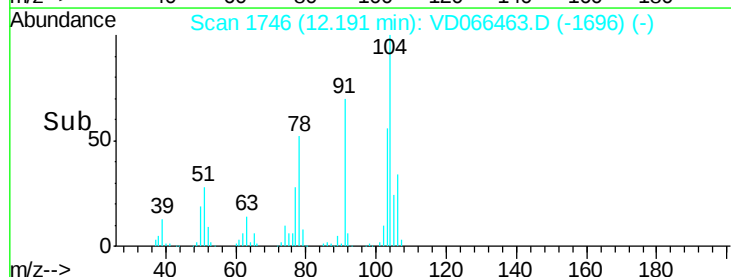
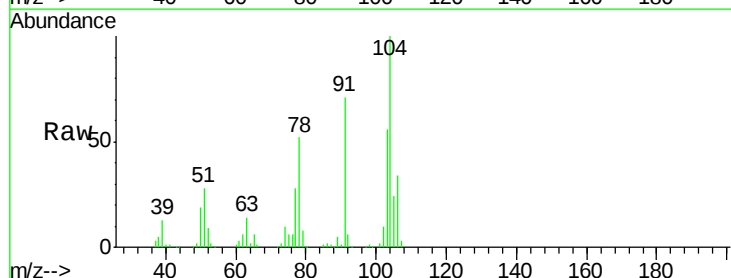
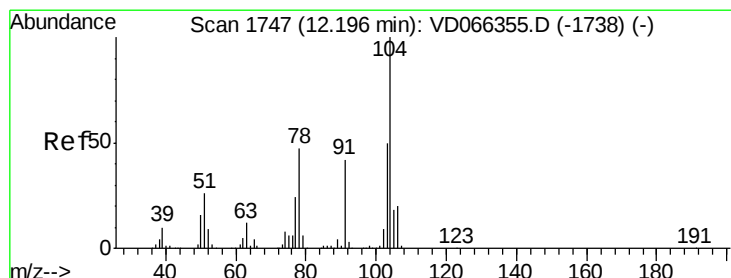
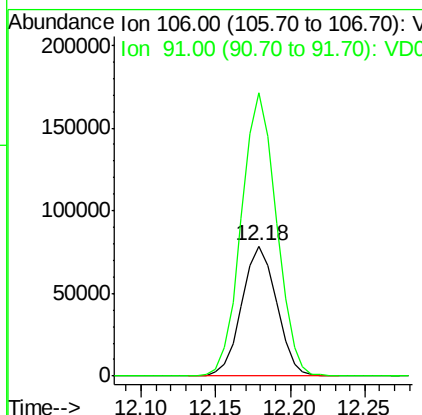
#69
o-Xylene
Concen: 53.838 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD066463.D
Acq: 28 Aug 2020 16:45

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	127207		
91	91	219.0	109.1	327.3	

Instrument :
MSVOA_D
ClientSampleId :
789UMR-TP11-0006-01MS

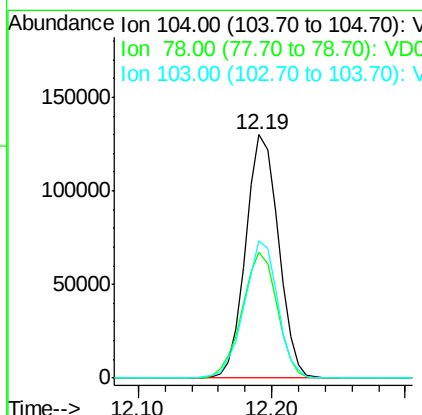
Manual Integrations
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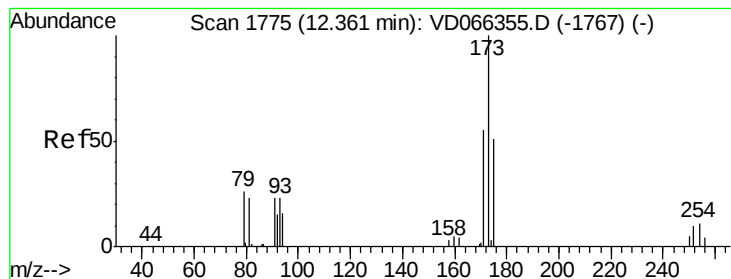
MMDadoda
8/31/2020 11:58:39 AM



#70
Styrene
Concen: 54.300 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. -0.01 min
Lab File: VD066463.D
Acq: 28 Aug 2020 16:45

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	220295		
78	78	55.4	41.7	62.5	
103	103	57.4	43.5	65.3	





#71

Bromoform

Concen: 57.474 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VD066463.D

Acq: 28 Aug 2020 16:45

Instrument :

MSVOA_D

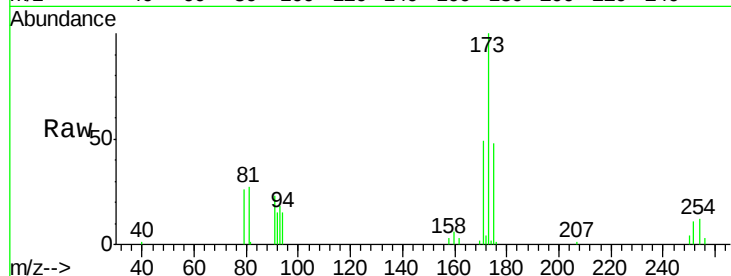
ClientSampleId :

789UMR-TP11-0006-01MS

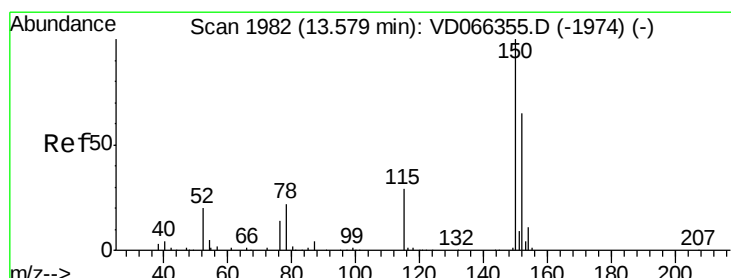
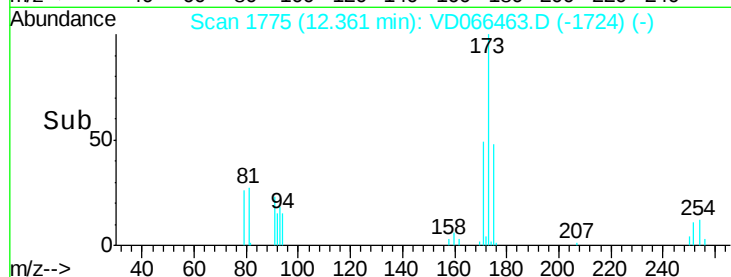
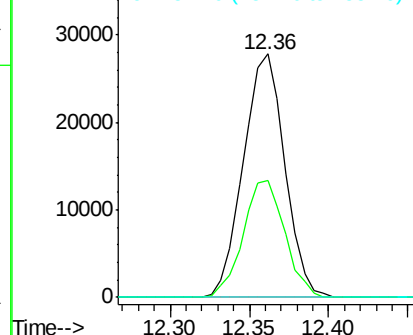
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.8	74.3
254	0.0	0.0	0.0

Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

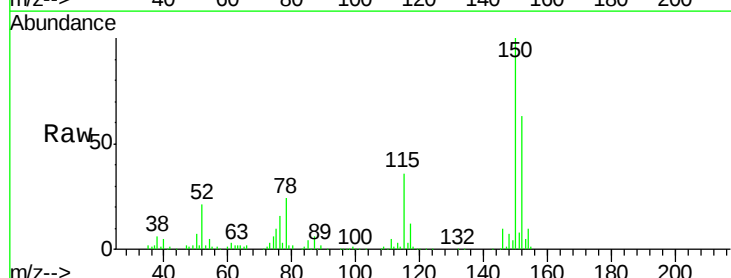
RT: 13.57 min Scan# 1981

Delta R.T. -0.01 min

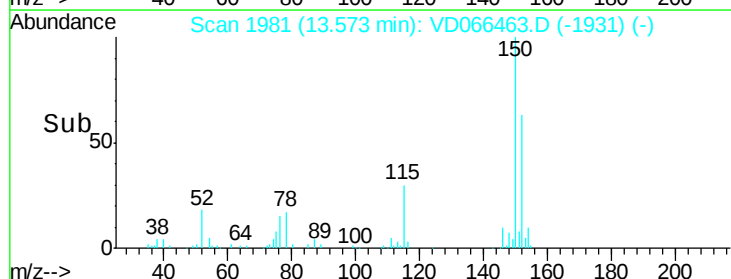
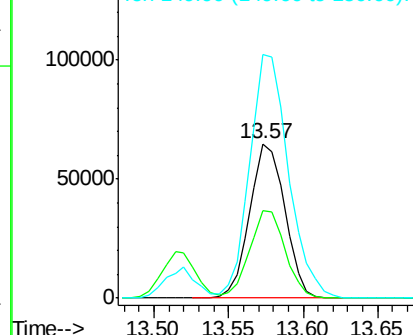
Lab File: VD066463.D

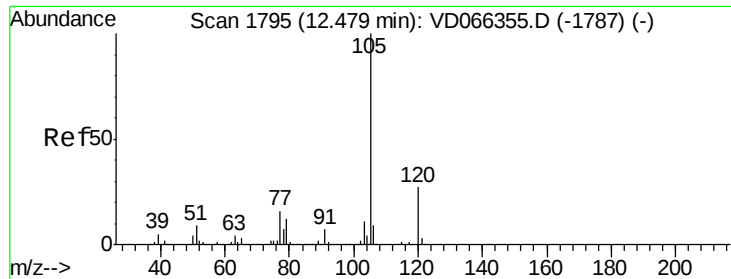
Acq: 28 Aug 2020 16:45

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.3	28.3	85.0
150	174.4	0.0	343.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





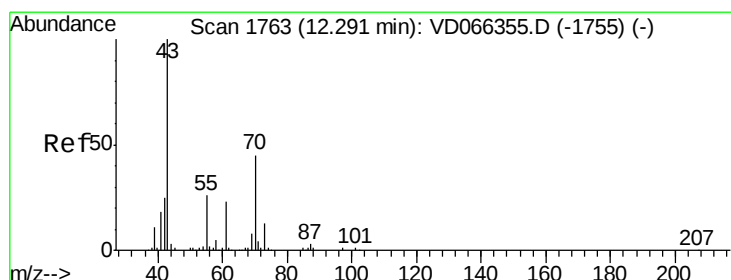
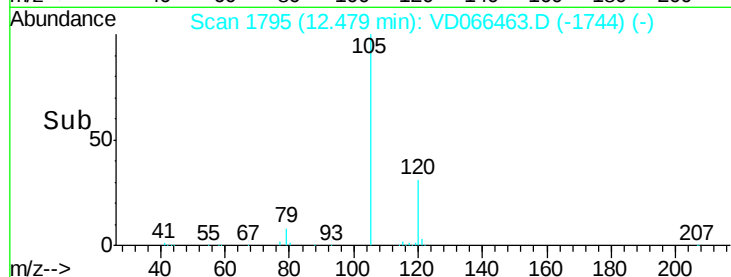
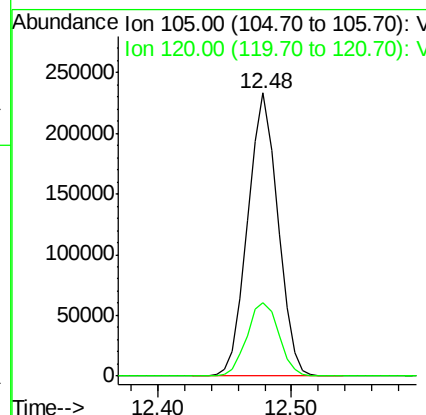
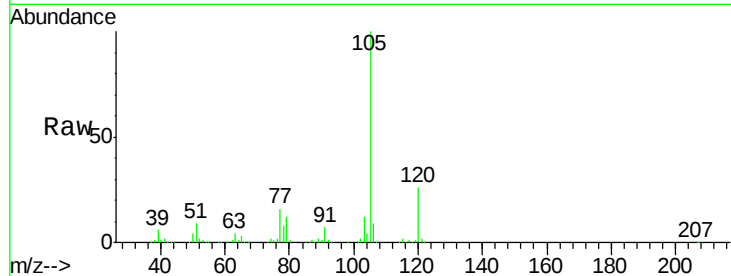
#73
Isopropylbenzene
Concen: 51.527 ug/l
RT: 12.48 min Scan# 1795
Delta R.T. 0.00 min
Lab File: VD066463.D
Acq: 28 Aug 2020 16:45

Instrument :
MSVOA_D
ClientSampleId :
789UMR-TP11-0006-01MS

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.3	13.6	40.8

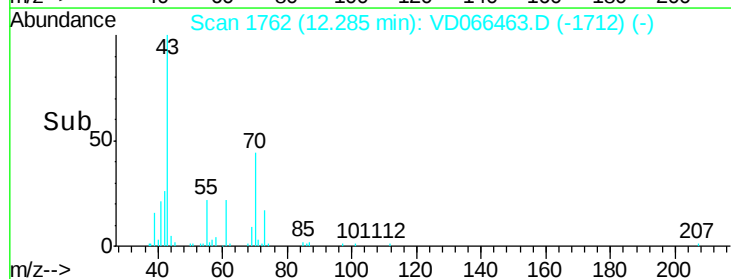
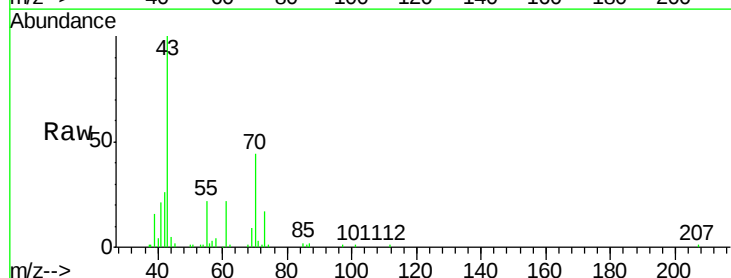
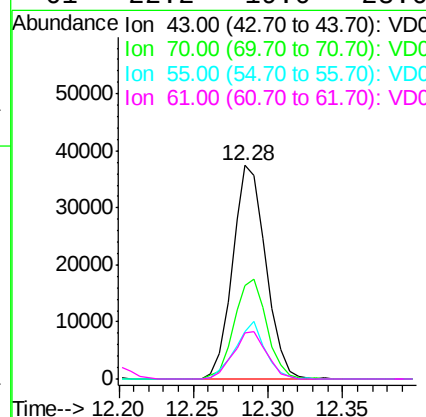
Manual Integrations
APPROVED

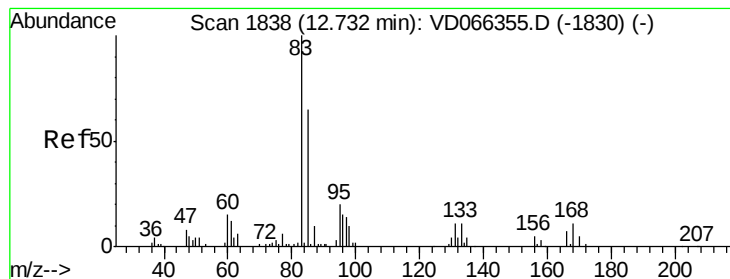
MMDadoda
8/31/2020 11:58:39 AM



#74
N-ethyl acetate
Concen: 45.635 ug/l
RT: 12.28 min Scan# 1762
Delta R.T. -0.01 min
Lab File: VD066463.D
Acq: 28 Aug 2020 16:45

Tgt Ion	Ratio	Lower	Upper
43	100		
70	45.6	34.8	52.2
55	24.2	20.3	30.5
61	22.2	19.0	28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 44.880 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VD066463.D

Acq: 28 Aug 2020 16:45

Instrument :

MSVOA_D

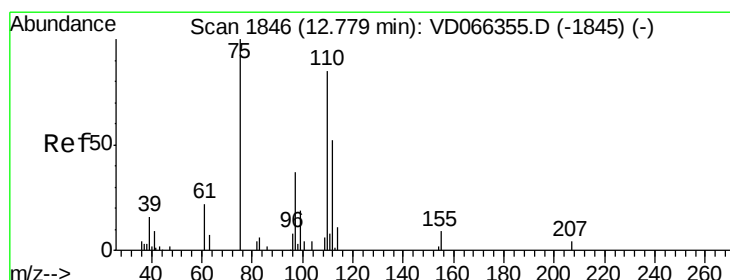
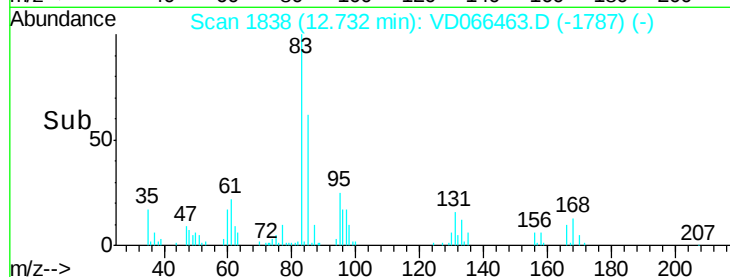
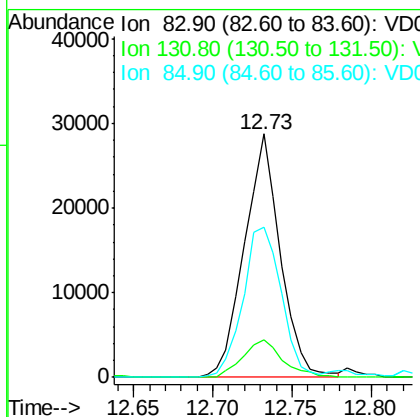
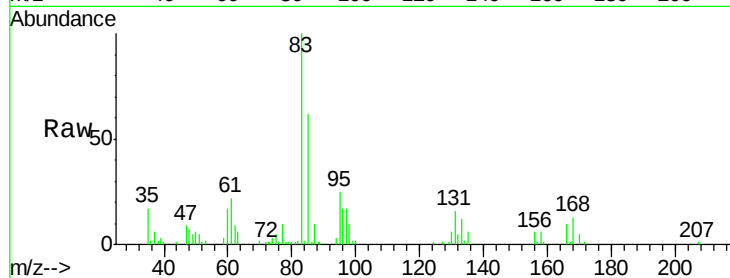
ClientSampleId :

789UMR-TP11-0006-01MS

Tot Ion:	83	Resp:	45242
Ion Ratio	Lower	Upper	
83	100		
131	17.2	7.0	20.9
85	65.6	32.4	97.0

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#76

1,2,3-Trichloropropane

Concen: 42.628 ug/l m

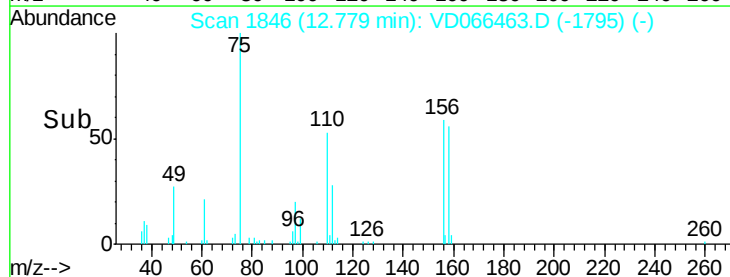
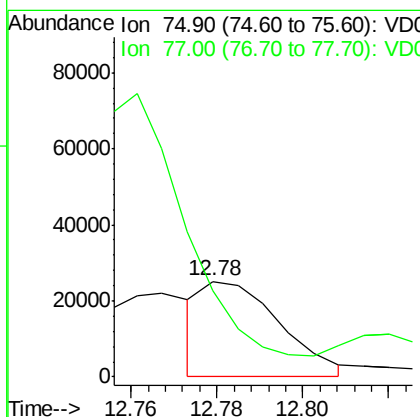
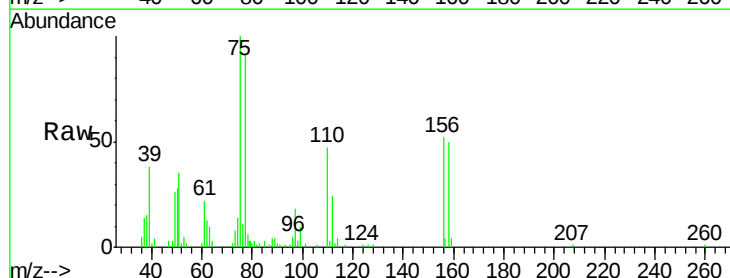
RT: 12.78 min Scan# 1846

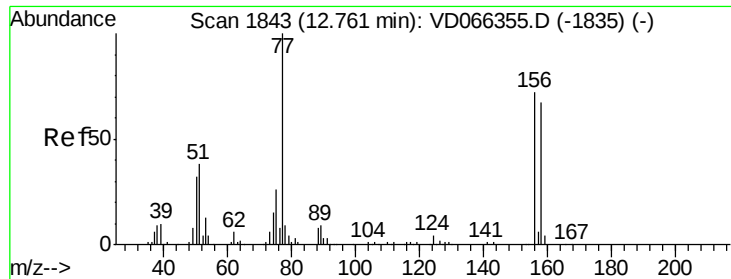
Delta R.T. 0.00 min

Lab File: VD066463.D

Acq: 28 Aug 2020 16:45

Tgt Ion:	75	Resp:	31590
Ion Ratio	Lower	Upper	
75	100		
77	432.8	182.9	548.9





#77

Bromobenzene

Concen: 53.694 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VD066463.D

Acq: 28 Aug 2020 16:45

Instrument :

MSVOA_D

ClientSampleId :

789UMR-TP11-0006-01MS

Tot Ion:156 Resp: 96169

Ion Ratio Lower Upper

156 100

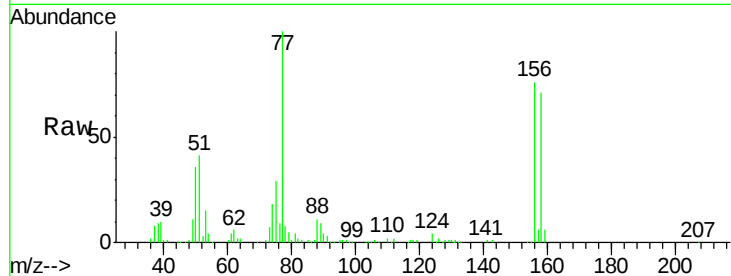
77 142.2 76.1 228.3

158 93.3 47.6 142.9

Manual Integrations
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V

100000

80000

60000

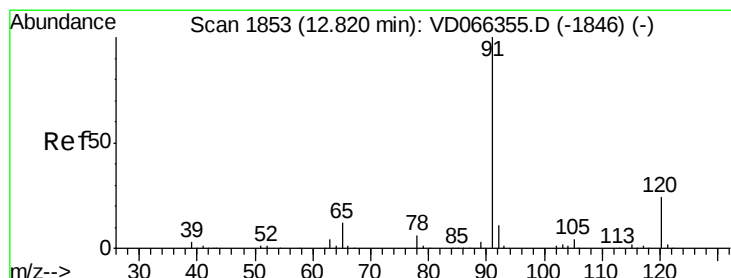
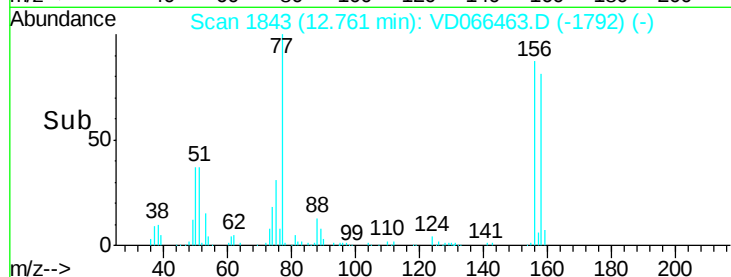
40000

20000

0

12.70 12.75 12.80

Time-->



#78

n-propylbenzene

Concen: 49.942 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VD066463.D

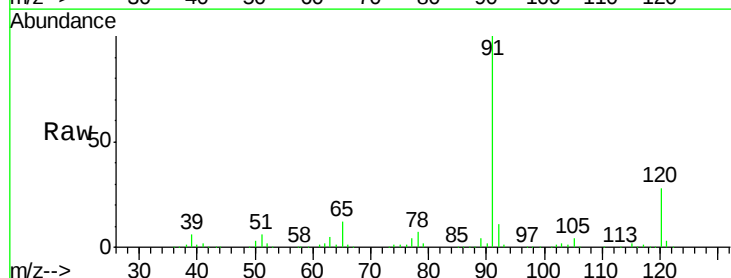
Acq: 28 Aug 2020 16:45

Tgt Ion: 91 Resp: 404084

Ion Ratio Lower Upper

91 100

120 26.2 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V

300000

250000

200000

150000

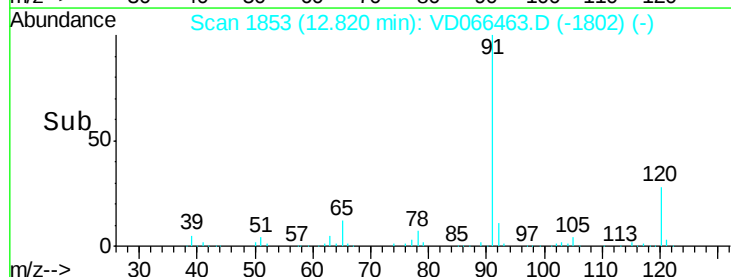
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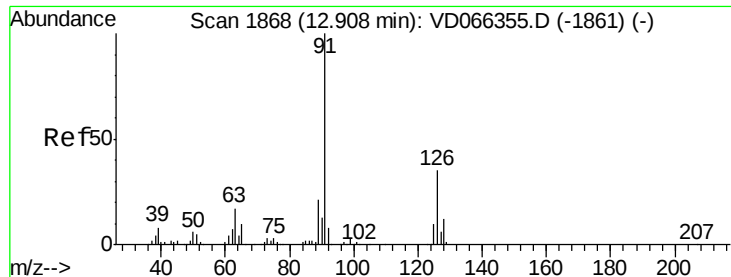
50000

0

12.75 12.80 12.85

Time-->





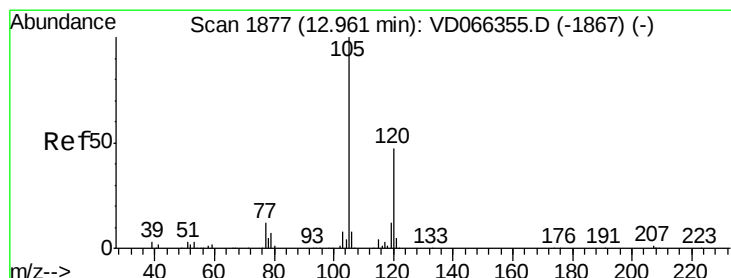
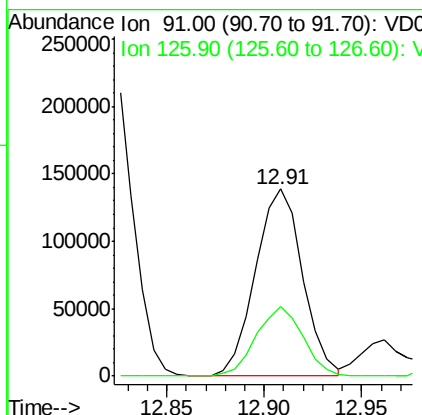
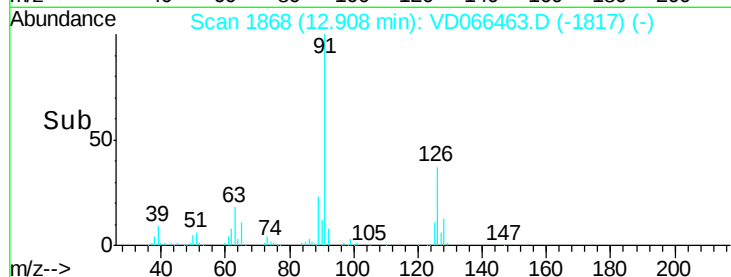
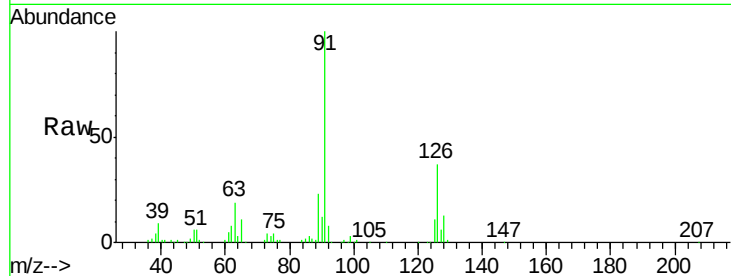
#79
2-Chlorotoluene
Concen: 50.064 ug/l
RT: 12.91 min Scan# 1868
Delta R.T. 0.00 min
Lab File: VD066463.D
Acq: 28 Aug 2020 16:45

Instrument :
MSVOA_D
ClientSampleId :
789UMR-TP11-0006-01MS

Tot Ion: 91 Resp: 231352
Ion Ratio Lower Upper
91 100
126 37.1 17.7 53.1

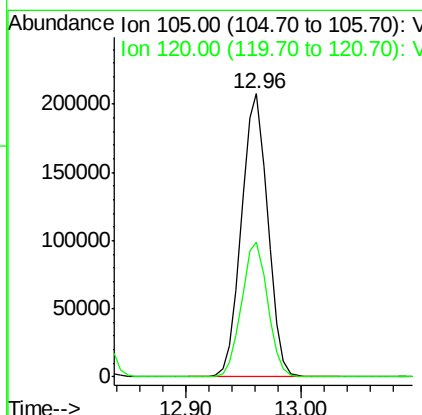
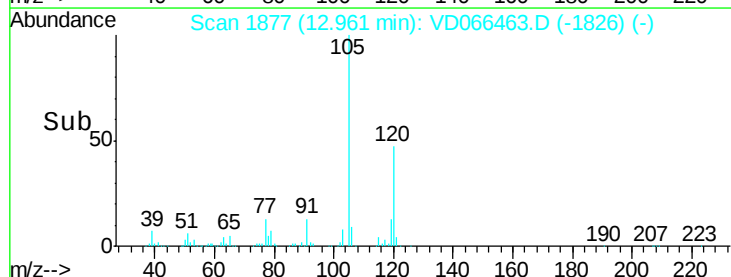
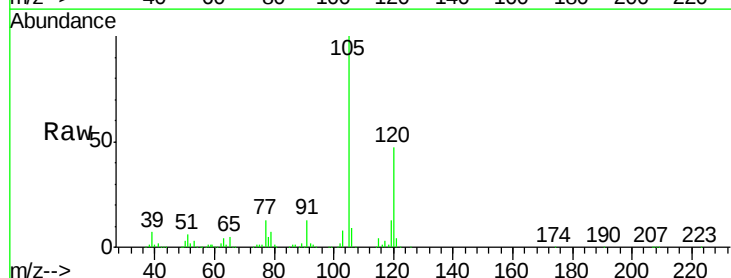
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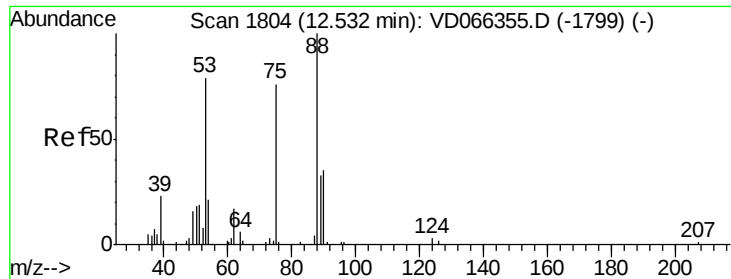
MMDadoda
8/31/2020 11:58:39 AM



#80
1,3,5-Trimethylbenzene
Concen: 53.928 ug/l
RT: 12.96 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VD066463.D
Acq: 28 Aug 2020 16:45

Tgt Ion:105 Resp: 328571
Ion Ratio Lower Upper
105 100
120 47.4 24.1 72.2





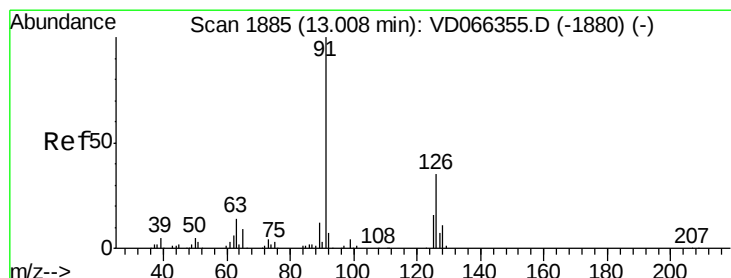
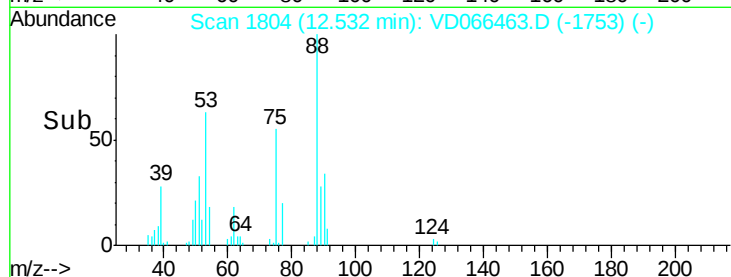
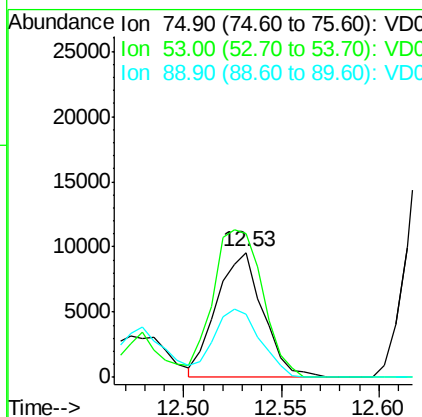
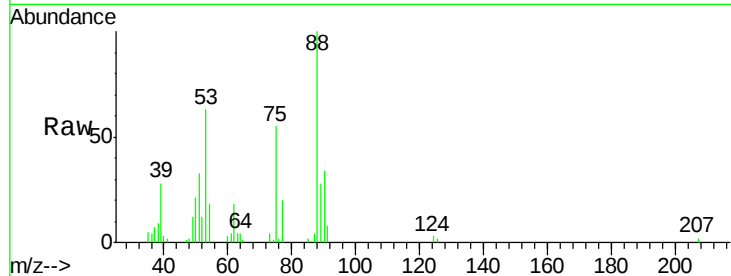
#81
trans-1,4-Dichloro-2-butene
Concen: 45.194 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD066463.D
Acq: 28 Aug 2020 16:45

Instrument :
MSVOA_D
ClientSampleId :
789UMR-TP11-0006-01MS

Tot Ion	Ratio	Lower	Upper
75	100		
53	126.6	87.4	131.2
89	55.3	39.4	59.0

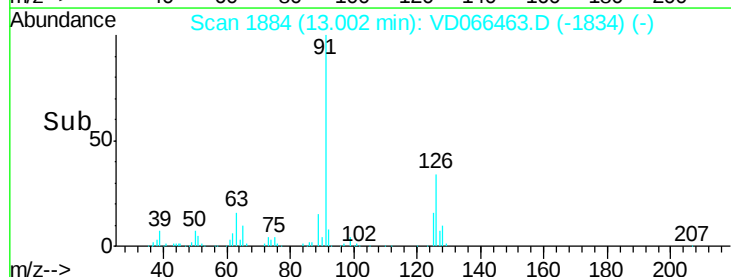
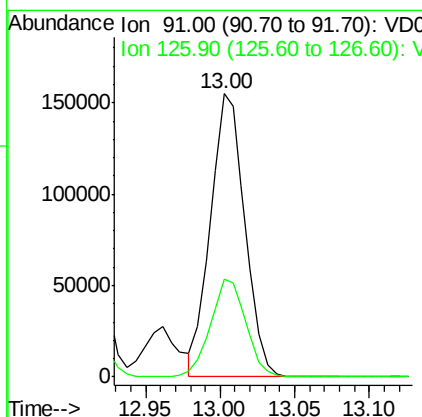
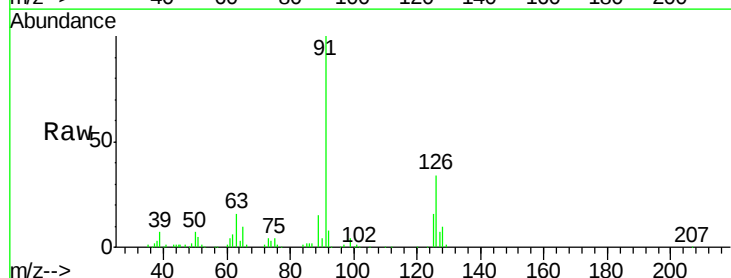
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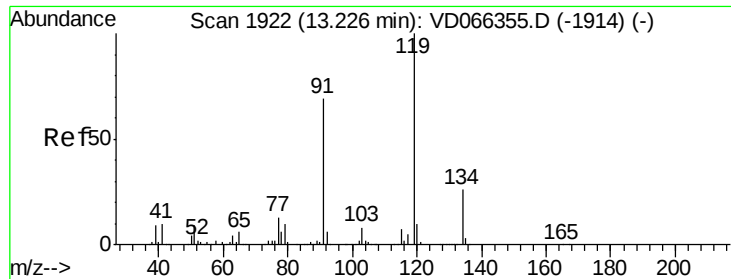
MMDadoda
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#82
4-Chlorotoluene
Concen: 50.706 ug/l
RT: 13.00 min Scan# 1884
Delta R.T. -0.01 min
Lab File: VD066463.D
Acq: 28 Aug 2020 16:45

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.7	17.4	52.2





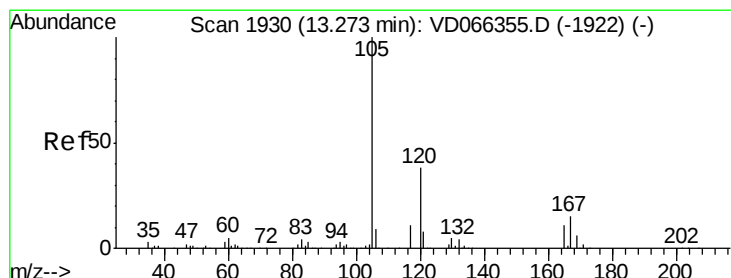
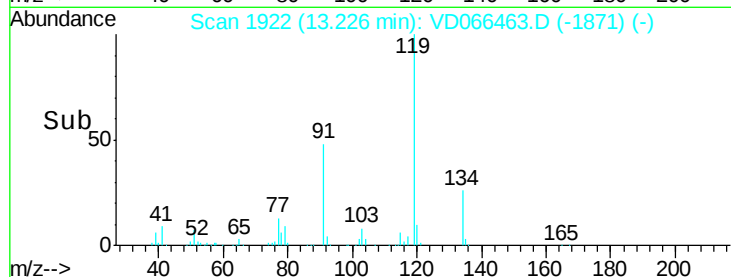
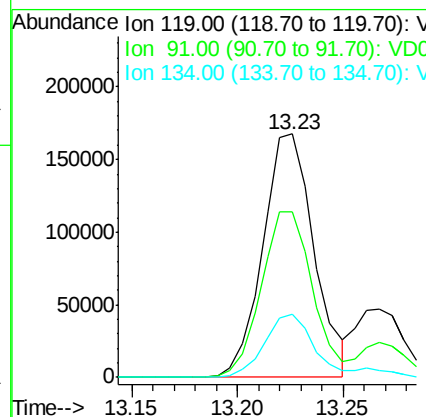
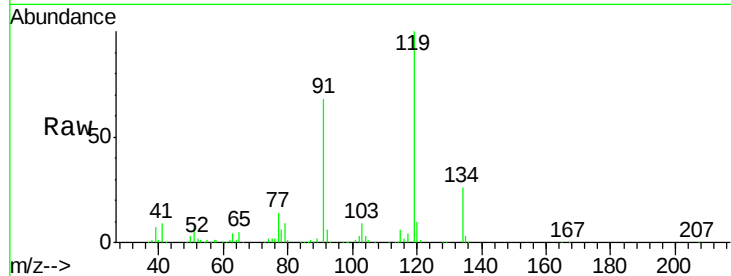
#83
tert-Butylbenzene
Concen: 53.433 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD066463.D
Acq: 28 Aug 2020 16:45

Instrument :
MSVOA_D
ClientSampleId :
789UMR-TP11-0006-01MS

Tot Ion	Ratio	Resp	Lower	Upper
119	100	282771		
91	68.0		33.5	100.5
134	25.0		13.5	40.4

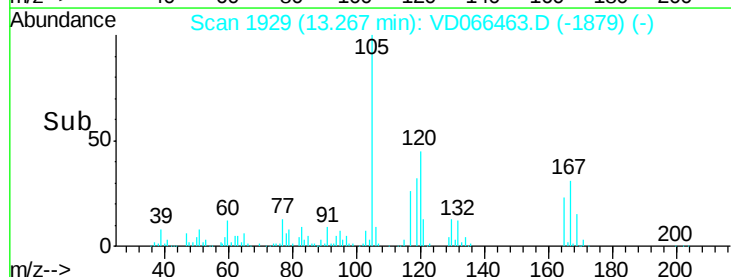
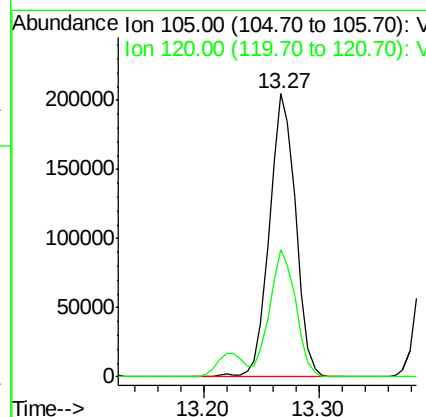
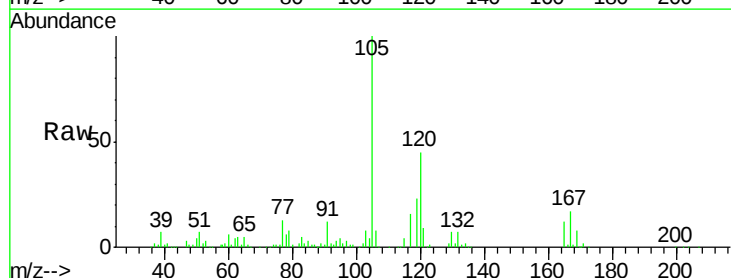
Manual Integrations
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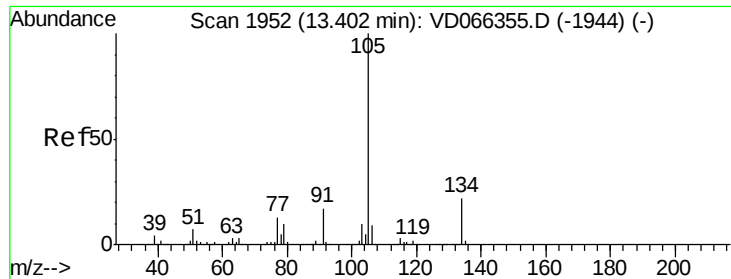
MMDadoda
8/31/2020 11:58:39 AM



#84
1,2,4-Trimethylbenzene
Concen: 54.390 ug/l
RT: 13.27 min Scan# 1929
Delta R.T. -0.01 min
Lab File: VD066463.D
Acq: 28 Aug 2020 16:45

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	325486		
120	44.1		22.6	67.7





#85

sec-Butylbenzene

Concen: 52.118 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. 0.00 min

Lab File: VD066463.D

Acq: 28 Aug 2020 16:45

Instrument :

MSVOA_D

ClientSampleId :

789UMR-TP11-0006-01MS

Tot Ion:105 Resp: 361371

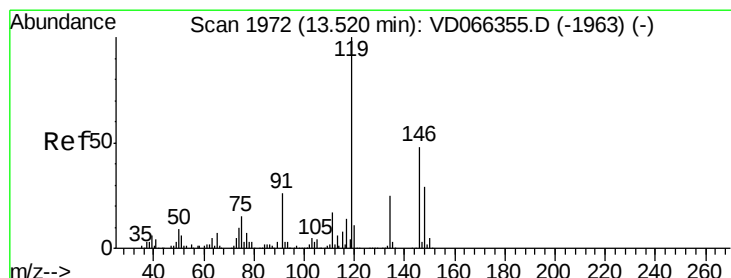
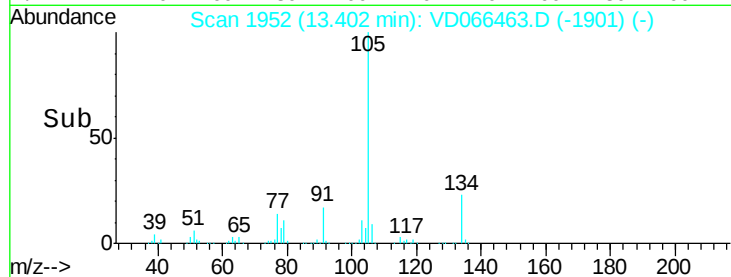
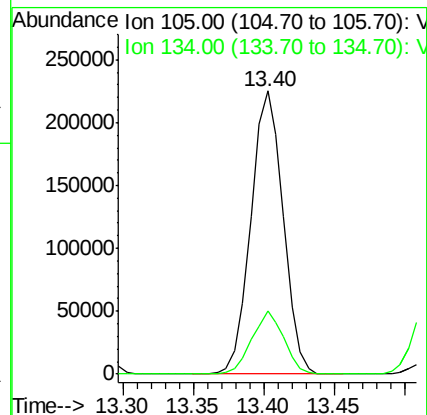
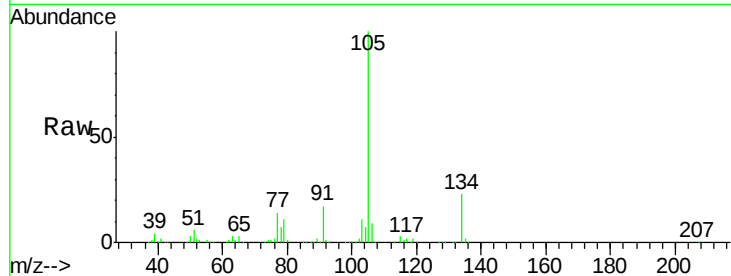
Ion Ratio Lower Upper

105 100

134 22.0 10.8 32.4

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 53.928 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066463.D

Acq: 28 Aug 2020 16:45

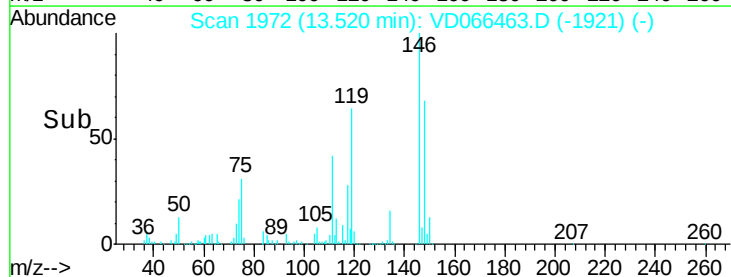
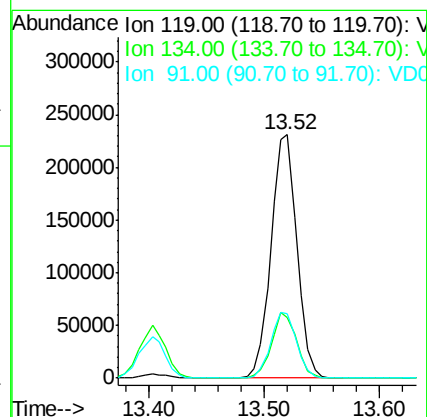
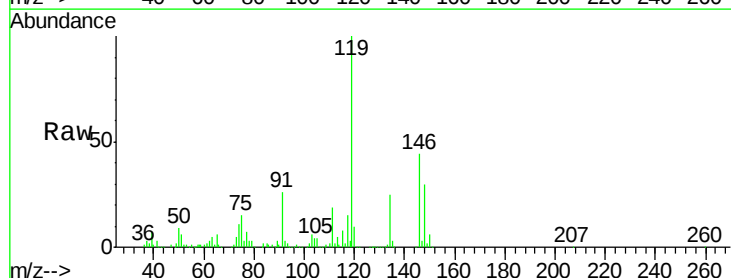
Tgt Ion:119 Resp: 360550

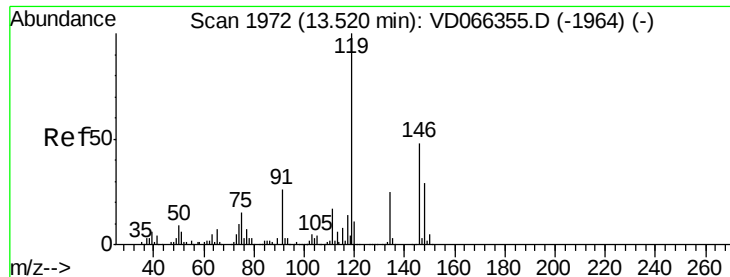
Ion Ratio Lower Upper

119 100

134 25.9 12.8 38.3

91 26.9 12.7 38.0





#87

1,3-Dichlorobenzene

Concen: 51.847 ug/l

RT: 13.51 min Scan# 1971

Delta R.T. -0.01 min

Lab File: VD066463.D

Acq: 28 Aug 2020 16:45

Instrument :

MSVOA_D

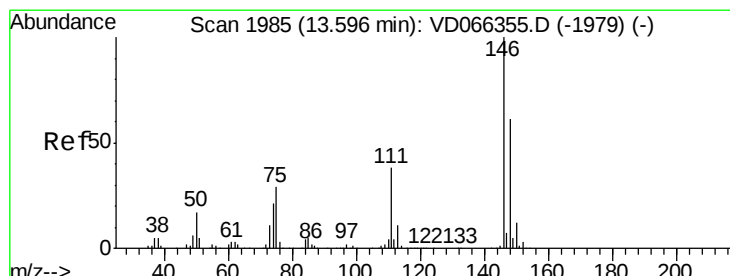
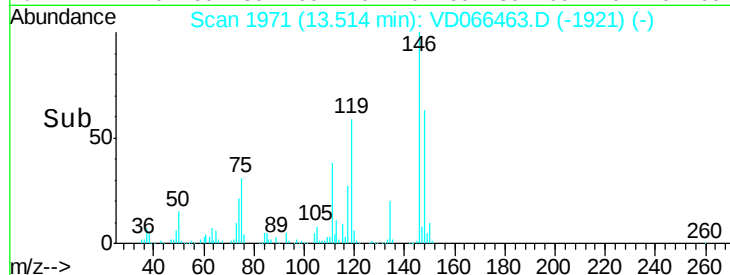
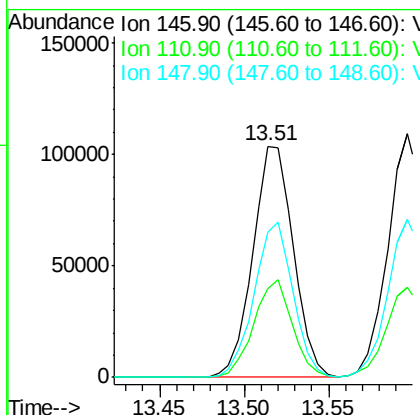
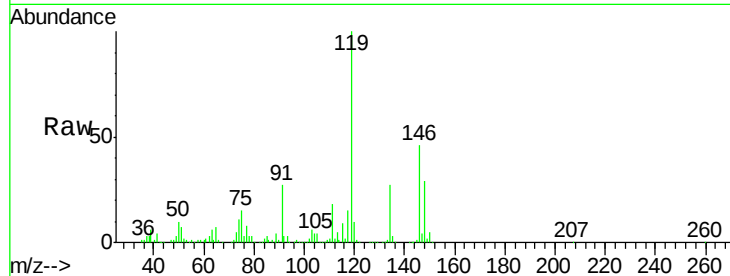
ClientSampleId :

789UMR-TP11-0006-01MS

Tot Ion:	146	Resp:	173341
Ion Ratio	Lower	Upper	
146	100		
111	40.1	18.9	56.9
148	64.2	31.8	95.3

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 52.203 ug/l

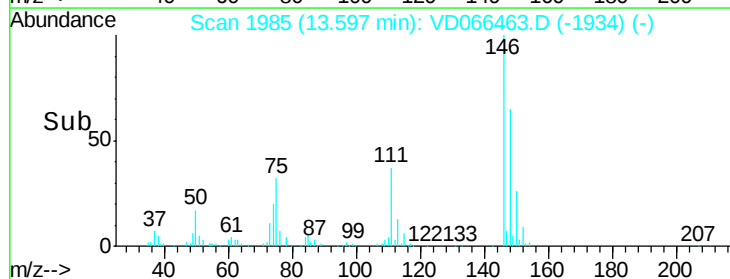
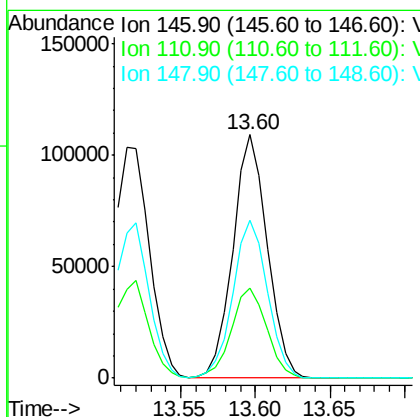
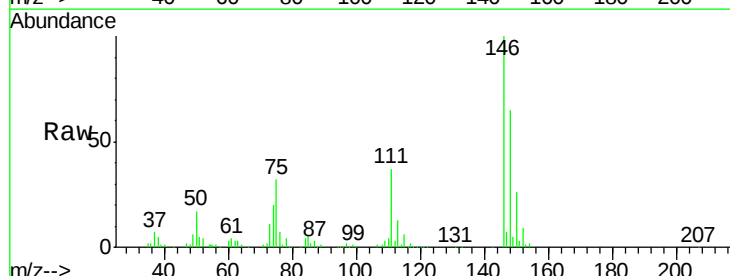
RT: 13.60 min Scan# 1985

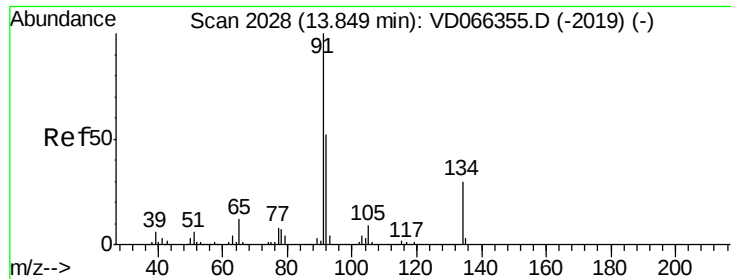
Delta R.T. 0.00 min

Lab File: VD066463.D

Acq: 28 Aug 2020 16:45

Tgt Ion:	146	Resp:	175239
Ion Ratio	Lower	Upper	
146	100		
111	38.4	19.1	57.5
148	65.3	32.1	96.3





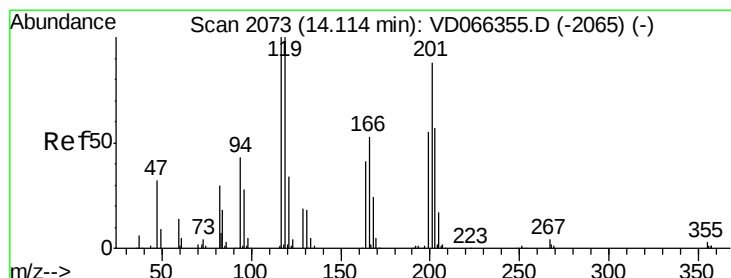
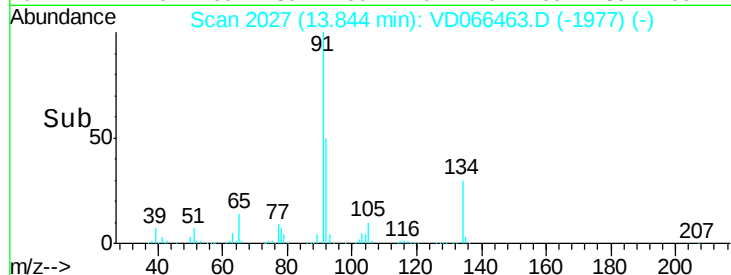
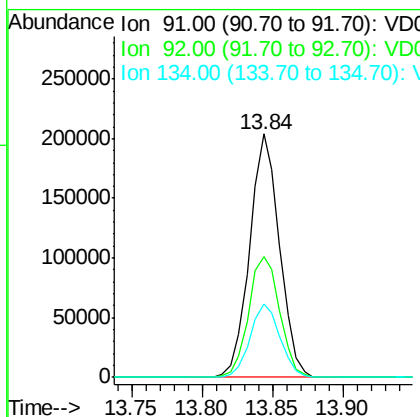
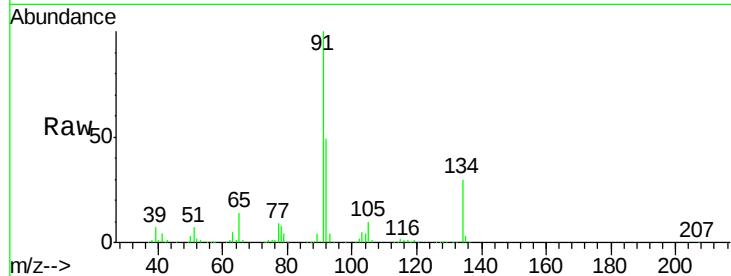
#89
n-Butylbenzene
Concen: 51.341 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.01 min
Lab File: VD066463.D
Acq: 28 Aug 2020 16:45

Instrument :
MSVOA_D
ClientSampleId :
789UMR-TP11-0006-01MS

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	51.5	26.4	79.0	
134	30.4	14.4	43.4	

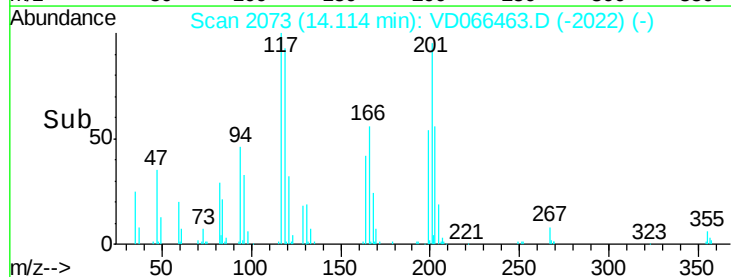
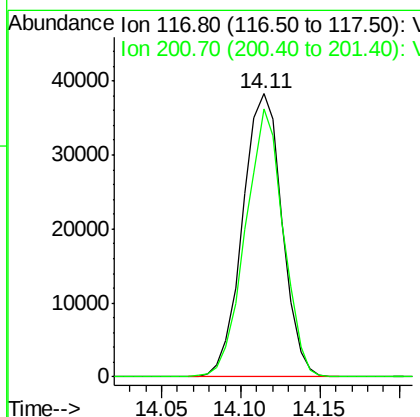
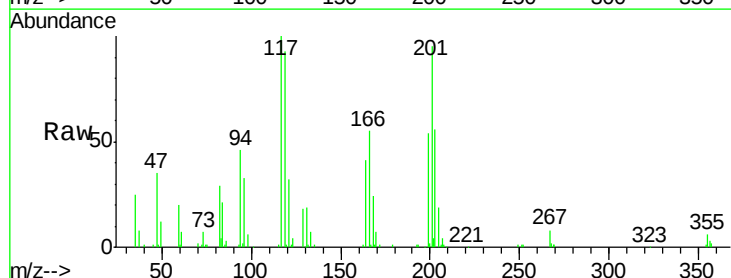
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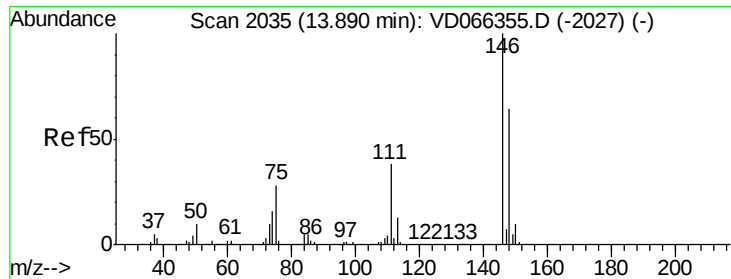
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#90
Hexachloroethane
Concen: 50.150 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD066463.D
Acq: 28 Aug 2020 16:45

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	90.9	45.4	136.2	





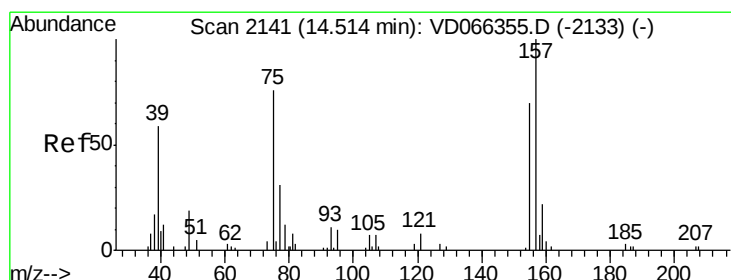
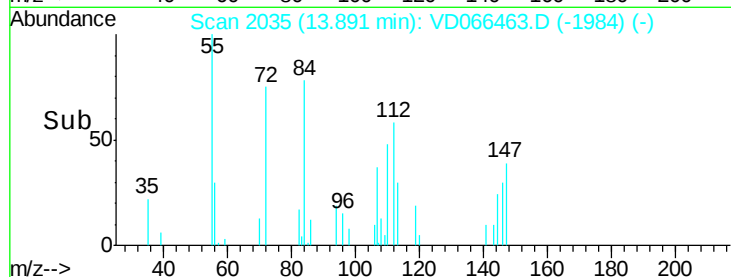
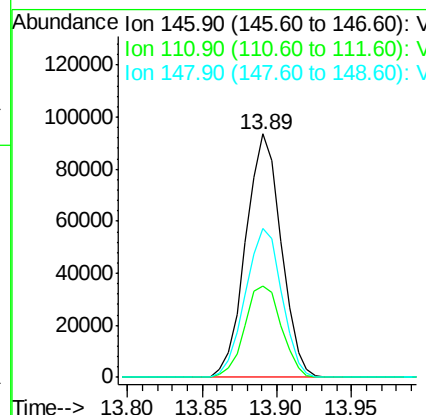
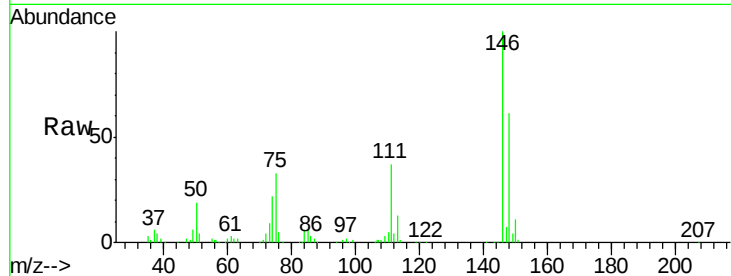
#91
 1,2-Dichlorobenzene
 Concen: 53.403 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VD066463.D
 Acq: 28 Aug 2020 16:45

Instrument :
 MSVOA_D
 ClientSampleId :
 789UMR-TP11-0006-01MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.9	59.7
148	62.8	32.6	97.8

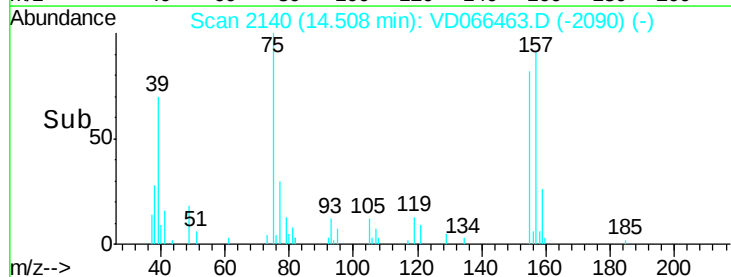
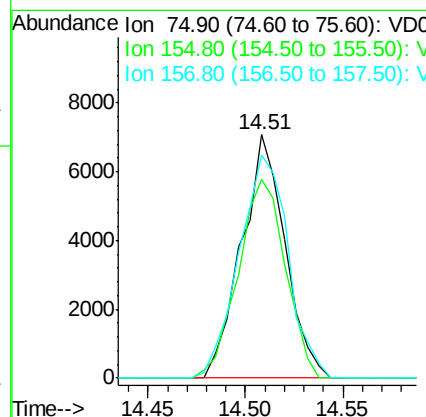
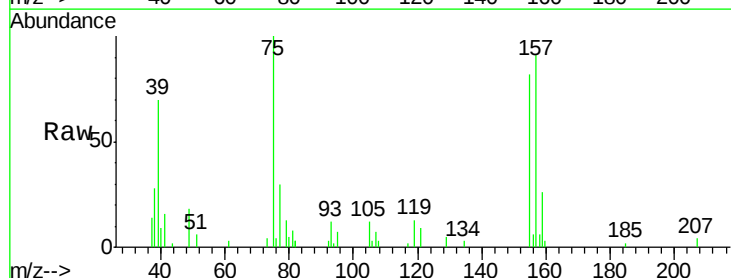
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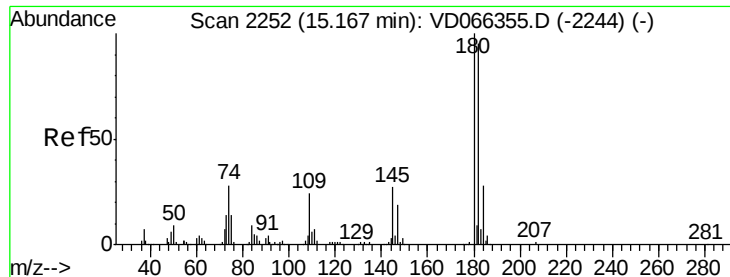
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.815 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD066463.D
 Acq: 28 Aug 2020 16:45

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.4	46.9	140.6
157	102.8	61.0	183.0





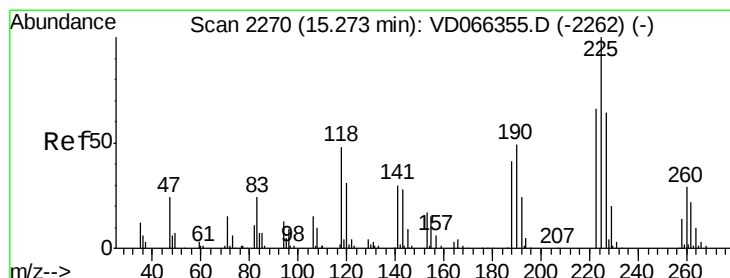
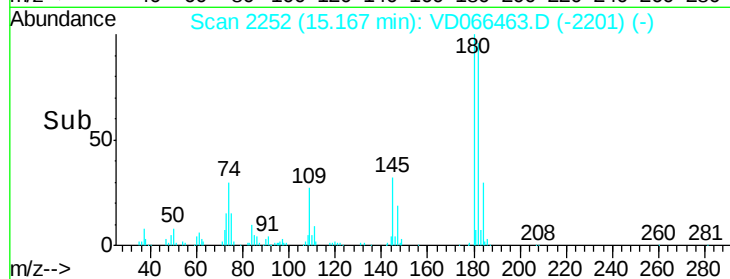
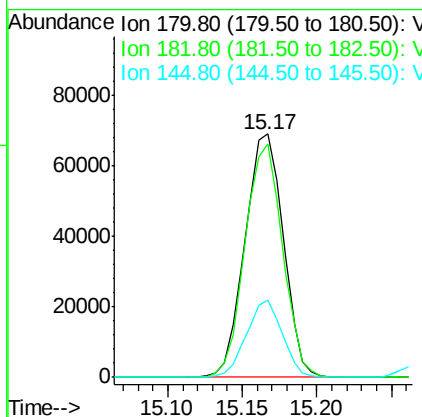
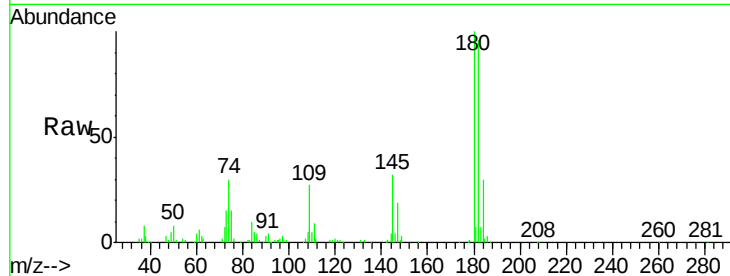
#93
 1,2,4-Trichlorobenzene
 Concen: 54.753 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD066463.D
 Acq: 28 Aug 2020 16:45

Instrument :
 MSVOA_D
 ClientSampleId :
 789UMR-TP11-0006-01MS

Tot Ion	Ratio	Resp	Lower	Upper
180	100	123026		
182	93.6	48.0	144.0	
145	29.7	15.2	45.6	

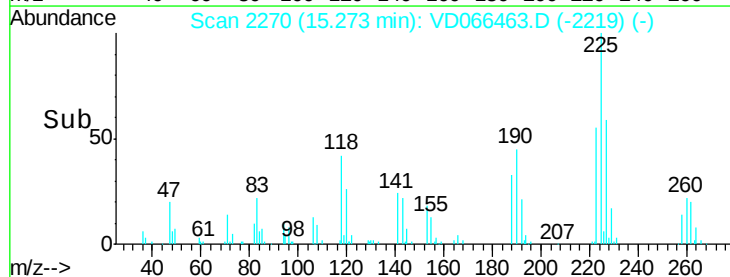
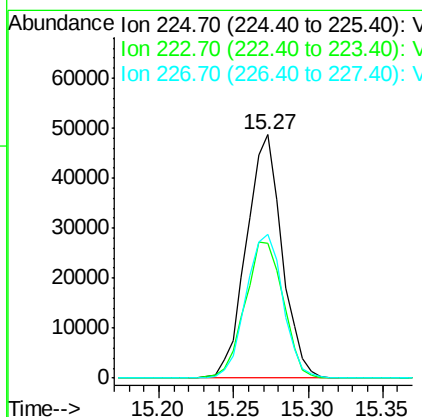
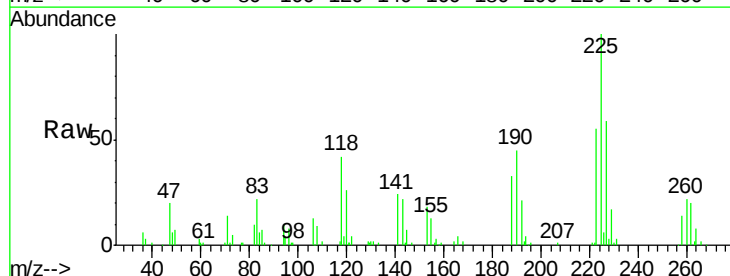
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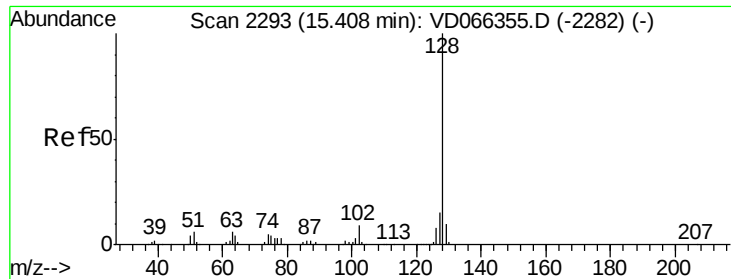
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#94
 Hexachlorobutadiene
 Concen: 57.408 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD066463.D
 Acq: 28 Aug 2020 16:45

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	80160		
223	60.1	32.5	97.4	
227	61.3	33.0	98.9	





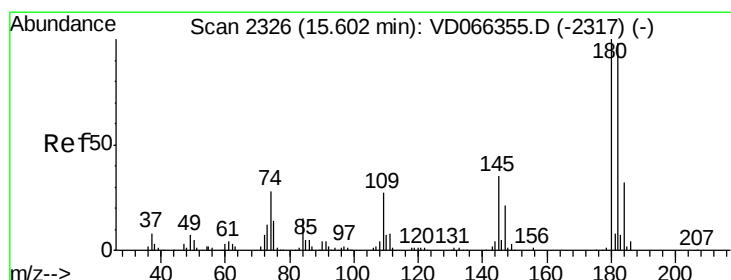
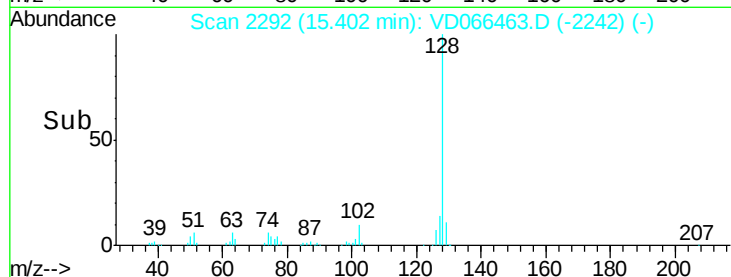
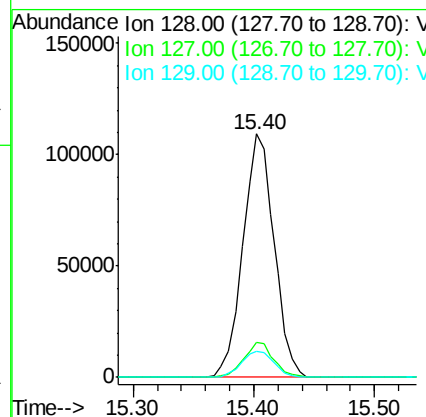
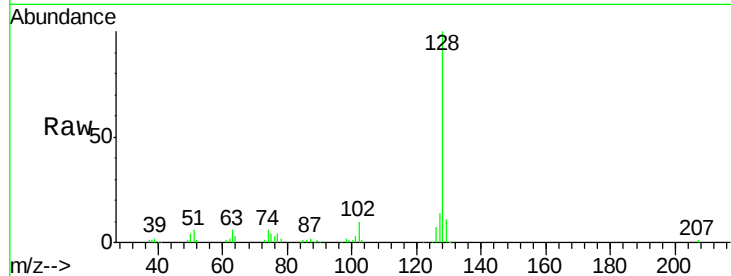
#95
Naphthalene
Concen: 55.757 ug/l
RT: 15.40 min Scan# 2292
Delta R.T. -0.01 min
Lab File: VD066463.D
Acq: 28 Aug 2020 16:45

Instrument :
MSVOA_D
ClientSampleId :
789UMR-TP11-0006-01MS

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.7	16.1
129	11.3	8.6	12.8

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 54.291 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. -0.01 min
Lab File: VD066463.D
Acq: 28 Aug 2020 16:45

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.7	46.7	140.0
145	33.5	16.0	48.0

