

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082820\
 Data File : VD066454.D
 Acq On : 28 Aug 2020 12:37
 Operator : VA/SY
 Sample : VD0828SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0828SBS01

Manual Integrations
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 8/31/2020 11:58:41 AM

Quant Time: Aug 29 01:08:19 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	164903	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	230331	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	212782	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	113785	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	95057	58.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.60%	
35) Dibromofluoromethane	7.91	113	74753	51.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.80%	
50) Toluene-d8	10.34	98	286463	54.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.72%	
62) 4-Bromofluorobenzene	12.63	95	100898	53.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	29563	21.087	ug/l	96
3) Chloromethane	2.21	50	17234	17.343	ug/l	95
4) Vinyl Chloride	2.34	62	20483	19.198	ug/l	99
5) Bromomethane	2.76	94	17288	21.663	ug/l	97
6) Chloroethane	2.92	64	14175	20.748	ug/l	91
7) Trichlorofluoromethane	3.27	101	66144	22.798	ug/l	97
8) Diethyl Ether	3.71	74	12349	18.997	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	4.09	101	28273	19.746	ug/l	96
10) Methyl Iodide	4.30	142	27662	16.939	ug/l #	88
11) Tert butyl alcohol	5.21	59	16089m	157.335	ug/l	
12) 1,1-Dichloroethene	4.06	96	25617	19.060	ug/l	94
13) Acrolein	3.92	56	3973	55.341	ug/l #	71
14) Allyl chloride	4.71	41	28268	15.758	ug/l #	76
15) Acrylonitrile	5.42	53	23058	88.407	ug/l	98
16) Acetone	4.16	43	27384	93.953	ug/l	90
17) Carbon Disulfide	4.41	76	68092	16.717	ug/l	100
18) Methyl Acetate	4.71	43	9073	16.586	ug/l #	78
19) Methyl tert-butyl Ether	5.47	73	66153	20.441	ug/l	93
20) Methylene Chloride	4.96	84	32573	16.695	ug/l #	80
21) trans-1,2-Dichloroethene	5.46	96	29077	18.585	ug/l	93
22) Diisopropyl ether	6.36	45	62095	17.878	ug/l	94
23) Vinyl Acetate	6.30	43	193147	89.829	ug/l	94
24) 1,1-Dichloroethane	6.27	63	44914	18.299	ug/l	96
25) 2-Butanone	7.21	43	29594	89.439	ug/l #	89
26) 2,2-Dichloropropane	7.20	77	57158	21.727	ug/l	97
27) cis-1,2-Dichloroethene	7.20	96	33634	20.064	ug/l	97
28) Bromochloromethane	7.53	49	13761	16.276	ug/l	83
29) Tetrahydrofuran	7.56	42	16384	87.177	ug/l	95
30) Chloroform	7.71	83	58696	20.669	ug/l	98
31) Cyclohexane	7.98	56	37532	16.720	ug/l #	90
32) 1,1,1-Trichloroethane	7.90	97	64148	22.071	ug/l	98
36) 1,1-Dichloropropene	8.10	75	42054	20.010	ug/l	96
37) Ethyl Acetate	7.29	43	12352	17.280	ug/l #	85
38) Carbon Tetrachloride	8.09	117	61122	22.323	ug/l	97

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Manual Integrations
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Quant Time: Aug 29 01:08:19 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)
39) Methylcyclohexane	9.35	83	45976	18.571	ug/l	95
40) Benzene	8.34	78	105712	19.121	ug/l	95
41) Methacrylonitrile	7.54	41	9997m	22.679	ug/l	
42) 1,2-Dichloroethane	8.41	62	44842	23.029	ug/l	98
43) Isopropyl Acetate	8.45	43	27336	19.054	ug/l #	59
44) Trichloroethene	9.11	130	35850	19.956	ug/l	90
45) 1,2-Dichloropropane	9.38	63	21606	17.238	ug/l	99
46) Dibromomethane	9.47	93	15688	20.103	ug/l	93
47) Bromodichloromethane	9.66	83	45066	20.999	ug/l	94
48) Methyl methacrylate	9.45	41	14924	20.172	ug/l	91
49) 1,4-Dioxane	9.46	88	3232	356.673	ug/l #	86
51) 4-Methyl-2-Pentanone	10.23	43	63245	91.125	ug/l	100
52) Toluene	10.40	92	75406	20.131	ug/l	96
53) t-1,3-Dichloropropene	10.61	75	41192	20.228	ug/l	93
54) cis-1,3-Dichloropropene	10.08	75	46092	20.165	ug/l	93
55) 1,1,2-Trichloroethane	10.80	97	20738	19.630	ug/l	90
56) Ethyl methacrylate	10.66	69	24697	20.194	ug/l #	92
57) 1,3-Dichloropropane	10.94	76	33425	19.127	ug/l	93
58) 2-Chloroethyl Vinyl ether	9.94	63	47856	94.216	ug/l	91
59) 2-Hexanone	10.98	43	44363	90.619	ug/l	96
60) Dibromochloromethane	11.14	129	32573	20.455	ug/l	98
61) 1,2-Dibromoethane	11.24	107	20094	19.327	ug/l	99
64) Tetrachloroethene	10.87	164	31866	19.742	ug/l	93
65) Chlorobenzene	11.67	112	84407	19.939	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.74	131	35955	20.783	ug/l	98
67) Ethyl Benzene	11.74	91	150313	20.172	ug/l	94
68) m/p-Xylenes	11.85	106	120479	42.418	ug/l	99
69) o-Xylene	12.18	106	54016	20.443	ug/l	97
70) Styrene	12.20	104	99026	21.827	ug/l	99
71) Bromoform	12.36	173	21688	22.096	ug/l #	97
73) Isopropylbenzene	12.48	105	155152	20.355	ug/l	99
74) N-amyl acetate	12.29	43	23836	17.314	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.73	83	18813	17.277	ug/l	95
76) 1,2,3-Trichloropropane	12.78	75	17548m	21.922	ug/l	
77) Bromobenzene	12.76	156	39113	20.217	ug/l	94
78) n-propylbenzene	12.82	91	173120	19.808	ug/l	99
79) 2-Chlorotoluene	12.91	91	101928	20.420	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	136262	20.704	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	7034	18.652	ug/l	89
82) 4-Chlorotoluene	13.01	91	106310	20.102	ug/l	98
83) tert-Butylbenzene	13.23	119	116234	20.333	ug/l	95
84) 1,2,4-Trimethylbenzene	13.27	105	136138	21.060	ug/l	99
85) sec-Butylbenzene	13.40	105	148303	19.801	ug/l	99
86) p-Isopropyltoluene	13.52	119	150696	20.867	ug/l	96
87) 1,3-Dichlorobenzene	13.52	146	74592	20.655	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	74849	20.642	ug/l	98
89) n-Butylbenzene	13.84	91	127836	20.059	ug/l	99
90) Hexachloroethane	14.11	117	28543	20.008	ug/l	95
91) 1,2-Dichlorobenzene	13.89	146	64145	20.633	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	4991	21.854	ug/l	87

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ClientSampleId :
VD0828SBSD01

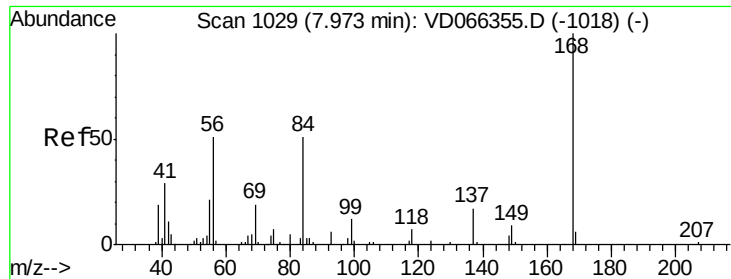
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Fri Aug 21 13:36:12 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	49557	20.418	ug/l	99
94) Hexachlorobutadiene	15.28	225	31916	21.161	ug/l	94
95) Naphthalene	15.41	128	78391	20.564	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	43277	20.815	ug/l	97

(#) = 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: VD066454.D

Acq: 28 Aug 2020 12:37

Instrument :

MSVOA_D

ClientSampleId :

VD0828SBS01

Tot Ion:168 Resp: 164903

Ion Ratio Lower Upper

168 100

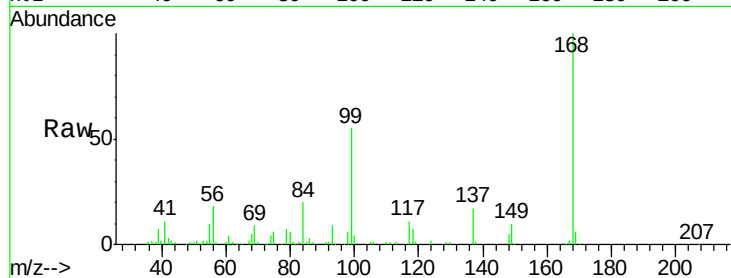
99 54.9 45.4 68.0

Manual Integrations

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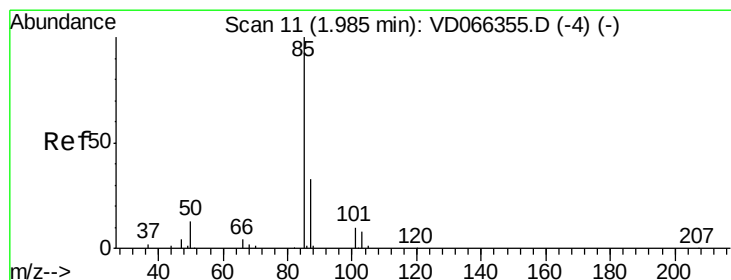
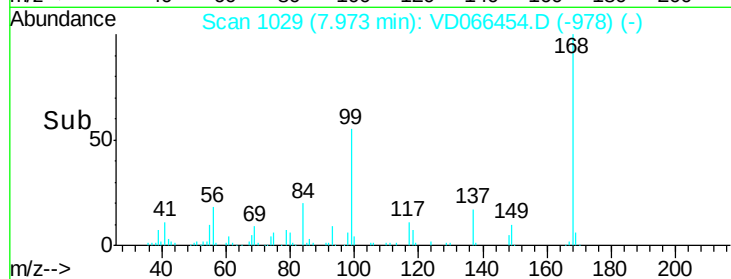
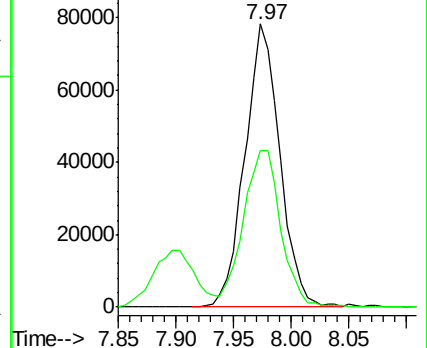
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 21.087 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD066454.D

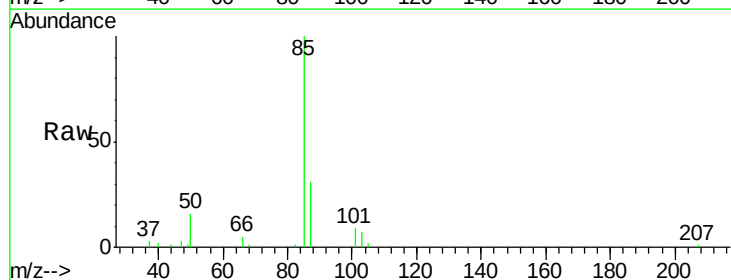
Acq: 28 Aug 2020 12:37

Tgt Ion: 85 Resp: 29563

Ion Ratio Lower Upper

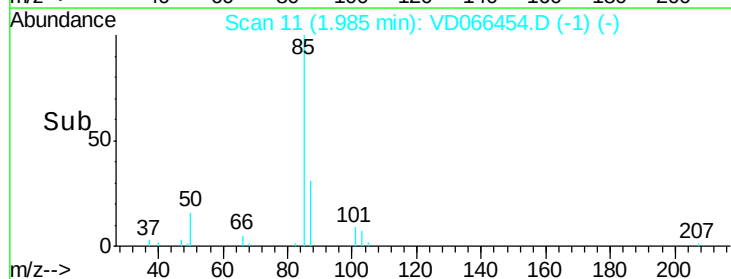
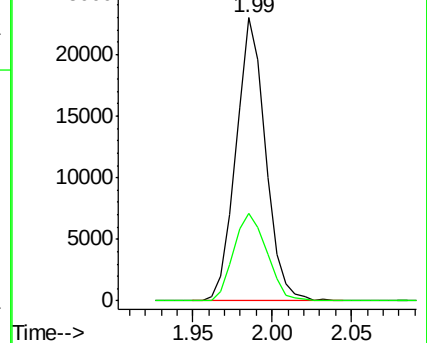
85 100

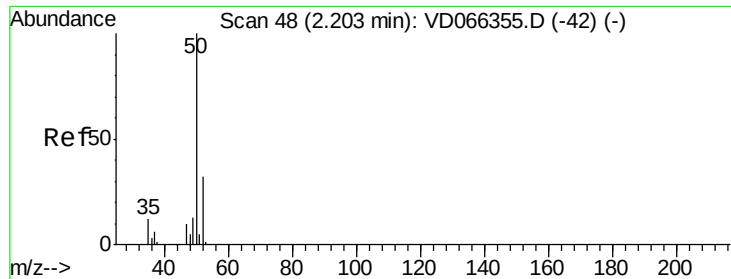
87 30.8 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 17.343 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD066454.D

Acq: 28 Aug 2020 12:37

Instrument :

MSVOA_D

ClientSampleId :

VD0828SBSD01

Tot Ion: 50 Resp: 17234

Ion Ratio Lower Upper

50 100

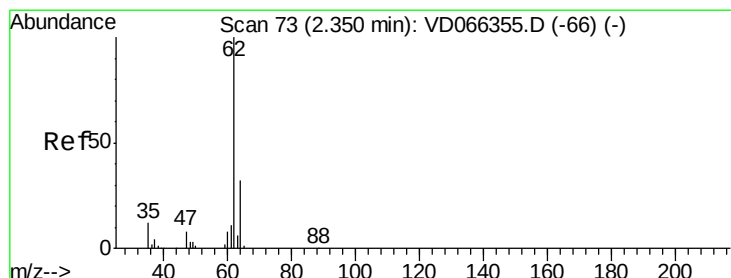
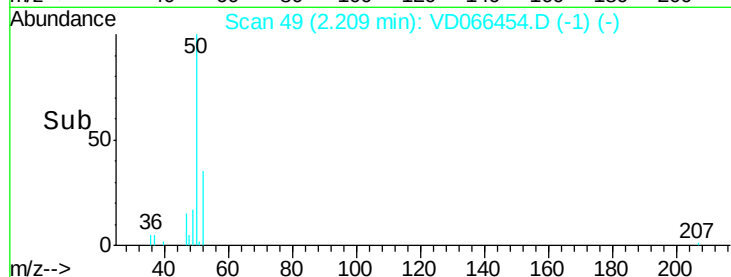
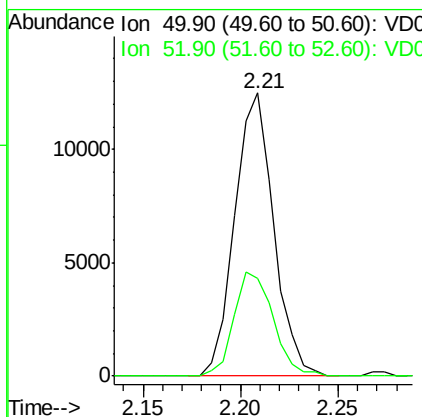
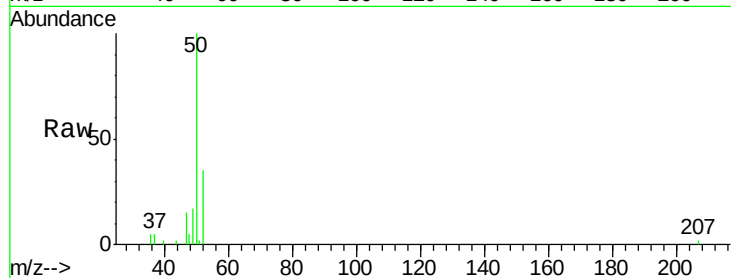
52 34.6 25.7 38.5

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#4

Vinyl Chloride

Concen: 19.198 ug/l

RT: 2.34 min Scan# 72

Delta R.T. -0.01 min

Lab File: VD066454.D

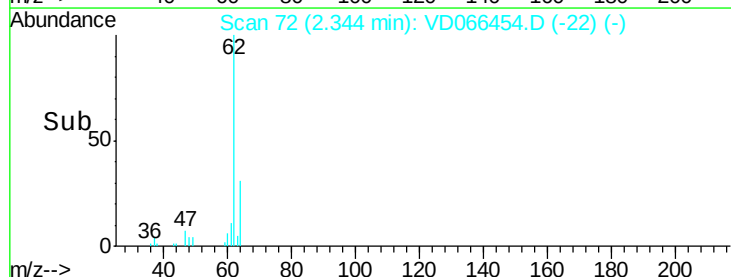
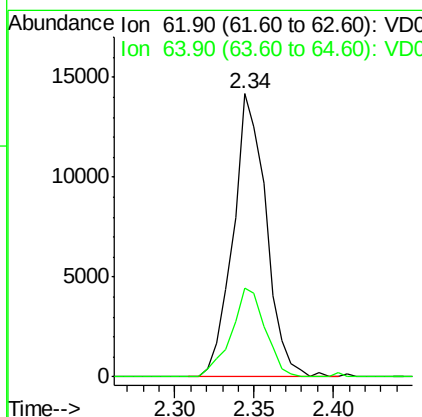
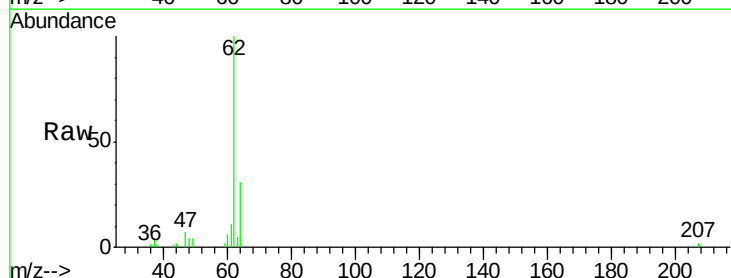
Acq: 28 Aug 2020 12:37

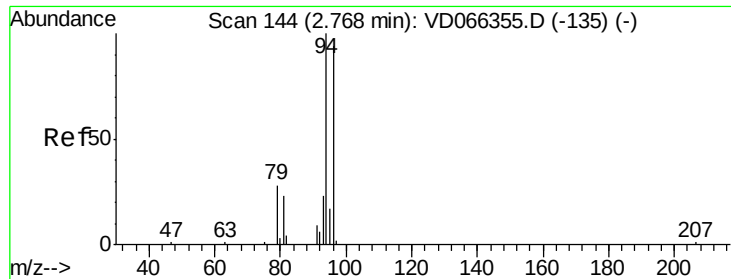
Tgt Ion: 62 Resp: 20483

Ion Ratio Lower Upper

62 100

64 31.2 25.4 38.2





#5

Bromomethane

Concen: 21.663 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD066454.D

Acq: 28 Aug 2020 12:37

Instrument :

MSVOA_D

ClientSampleId :

VD0828SBSD01

Tot Ion: 94 Resp: 17288

Ion Ratio Lower Upper

94 100

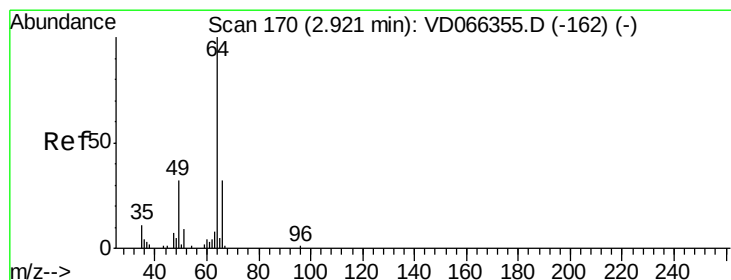
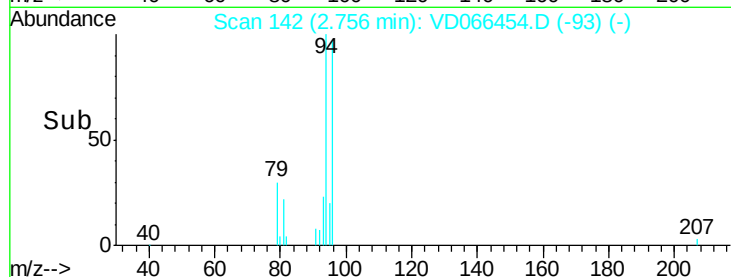
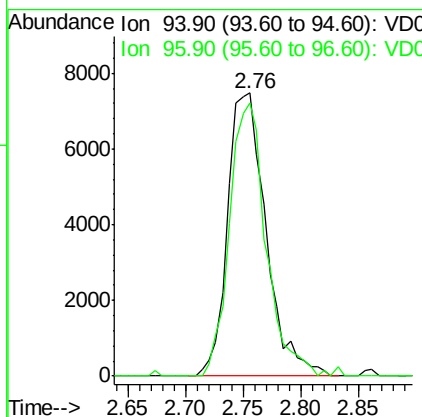
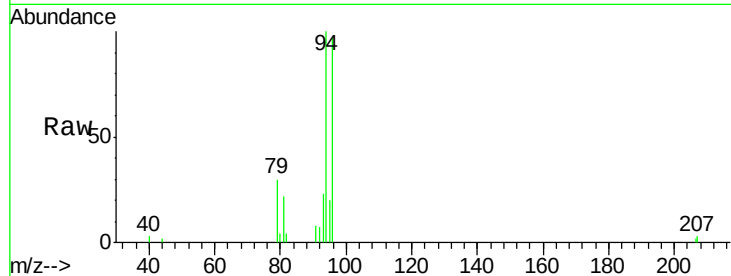
96 96.6 75.0 112.4

Manual Integrations

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#6

Chloroethane

Concen: 20.748 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD066454.D

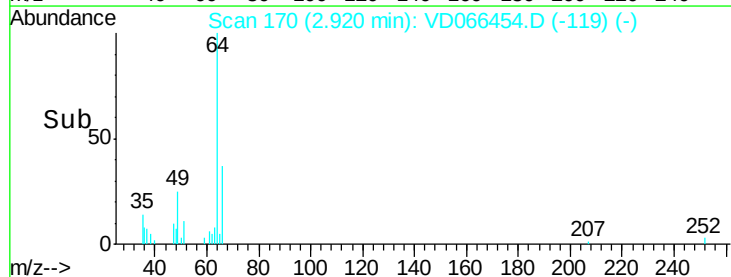
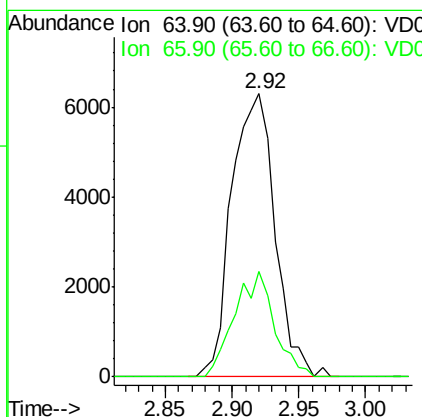
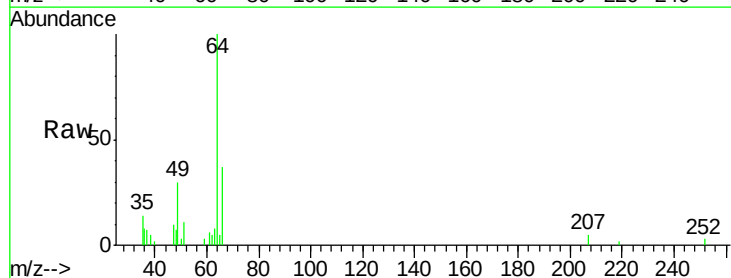
Acq: 28 Aug 2020 12:37

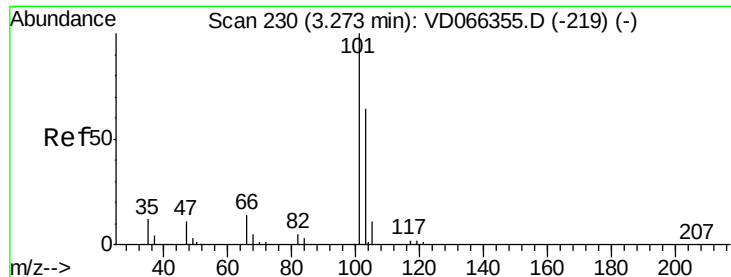
Tgt Ion: 64 Resp: 14175

Ion Ratio Lower Upper

64 100

66 37.3 25.9 38.9





#7

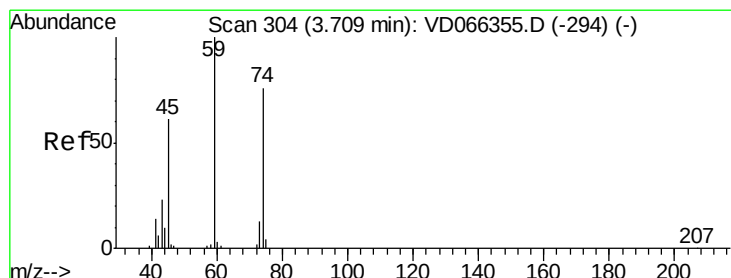
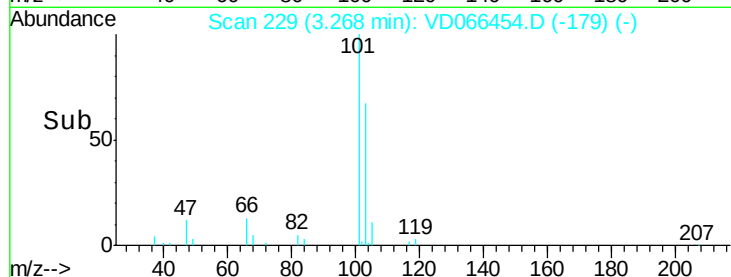
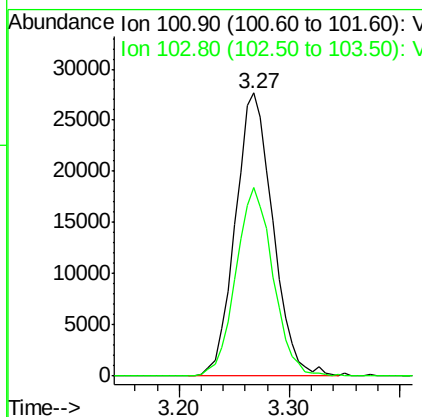
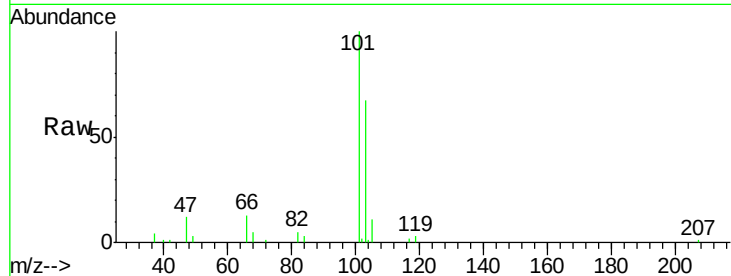
Trichlorofluoromethane
 Concen: 22.798 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD066454.D
 Acq: 28 Aug 2020 12:37

Instrument :
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 ClientSampleId :
 VD0828SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.7	51.4	77.0

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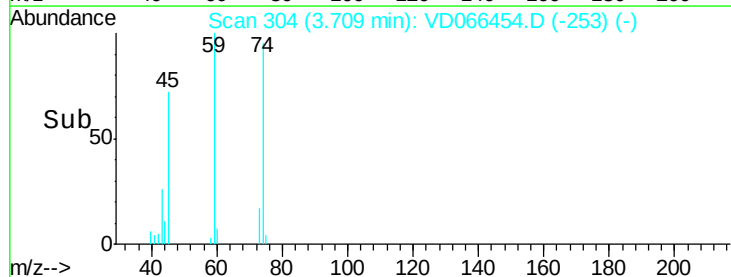
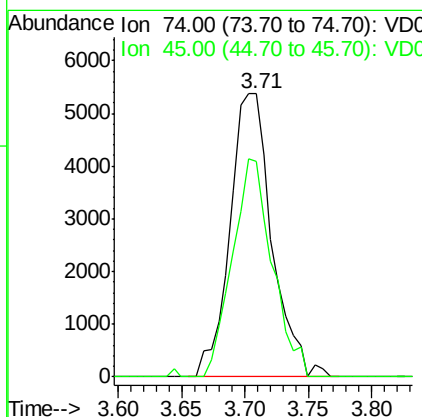
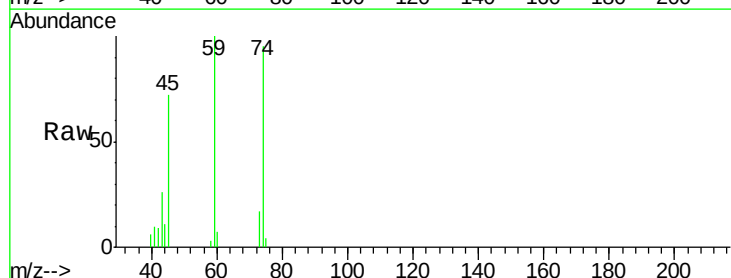
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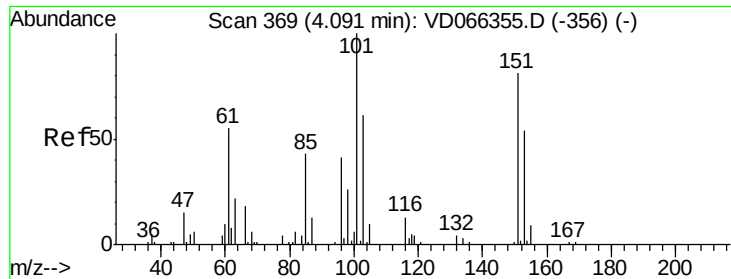


#8

Diethyl Ether
 Concen: 18.997 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD066454.D
 Acq: 28 Aug 2020 12:37

Tgt Ion	Ratio	Lower	Upper
74	100		
45	73.2	42.8	128.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.746 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD066454.D

Acq: 28 Aug 2020 12:37

Instrument :

MSVOA_D

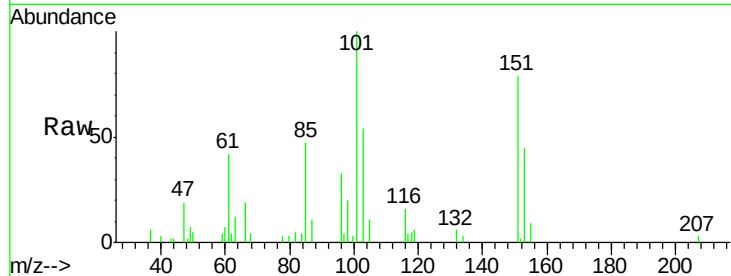
ClientSampleId :

VD0828SBS01

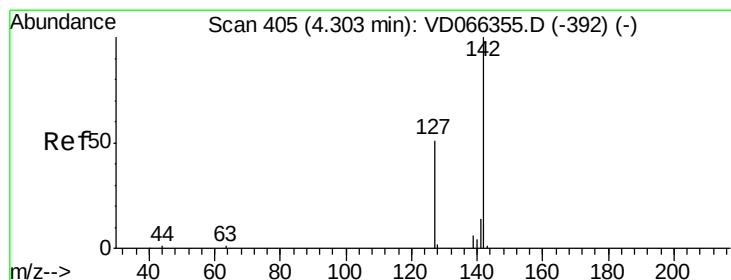
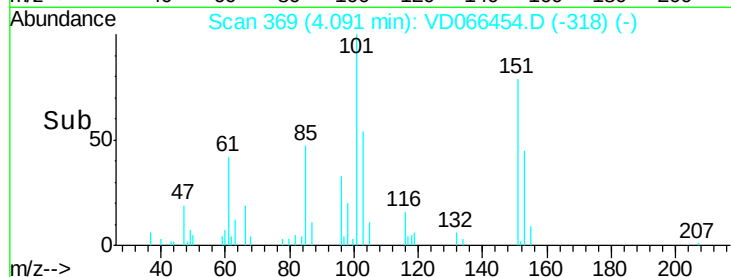
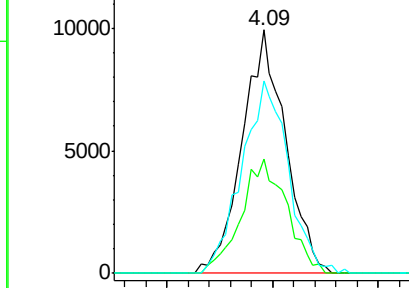
Tot Ion:	101	Resp:	28273
Ion Ratio	Lower	Upper	
101	100		
85	49.1	36.4	54.6
151	84.8	70.5	105.7

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 16.939 ug/l

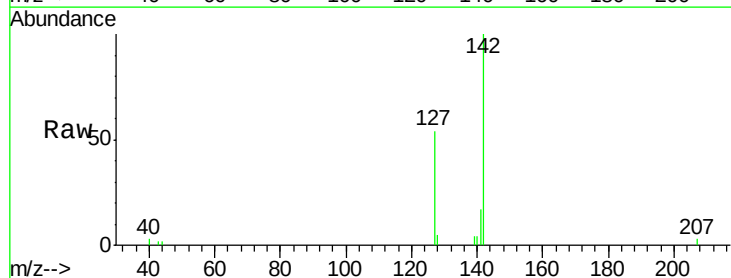
RT: 4.30 min Scan# 404

Delta R.T. -0.01 min

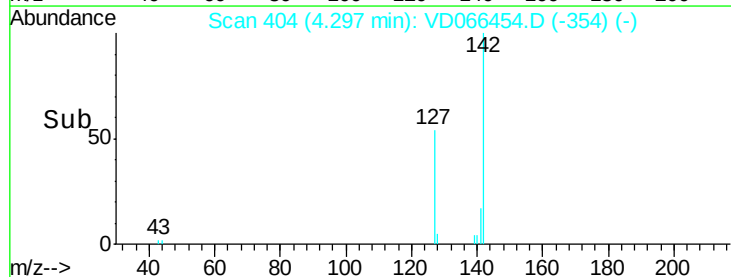
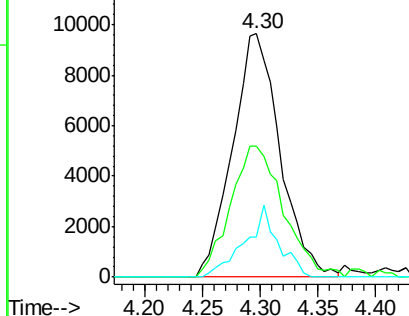
Lab File: VD066454.D

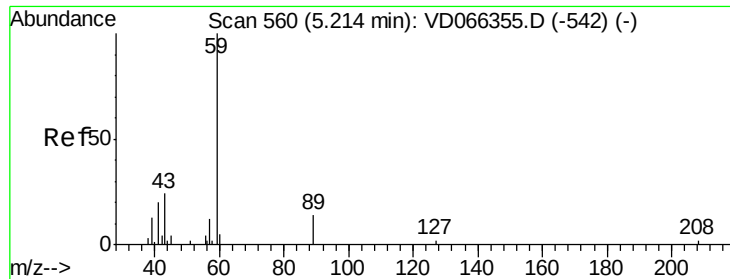
Acq: 28 Aug 2020 12:37

Tgt Ion:	142	Resp:	27662
Ion Ratio	Lower	Upper	
142	100		
127	60.1	41.8	62.8
141	20.5	11.8	17.6#



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

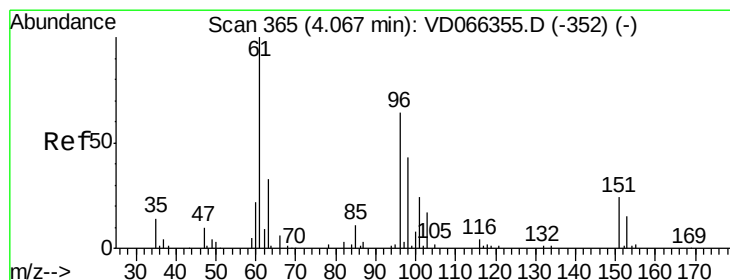
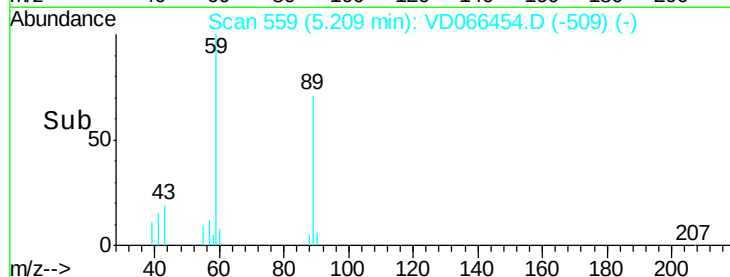
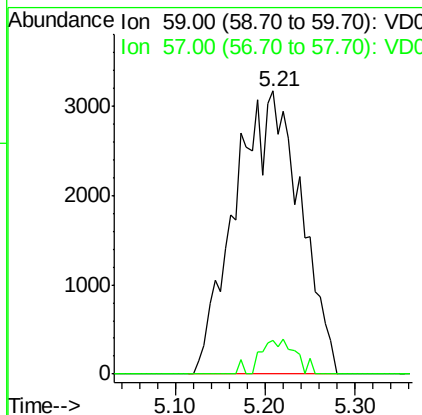
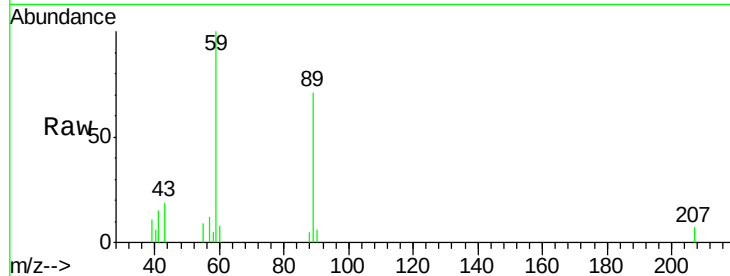
Tert butyl alcohol
 Concen: 157.335 ug/l m
 RT: 5.21 min Scan# 559
 Delta R.T. -0.01 min
 Lab File: VD066454.D
 Acq: 28 Aug 2020 12:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0828SBS01

Tot Ion	Ratio	Resp	Lower	Upper
59	100			
57	0.0	9.0	13.4#	

Manual Integrations
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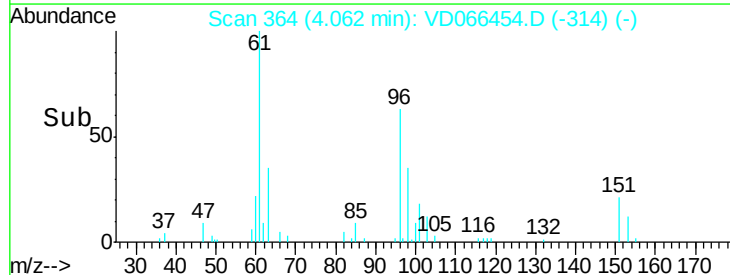
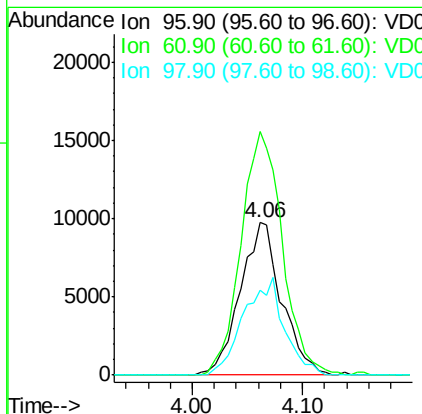
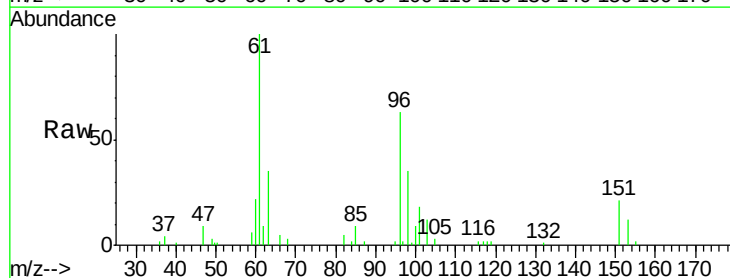
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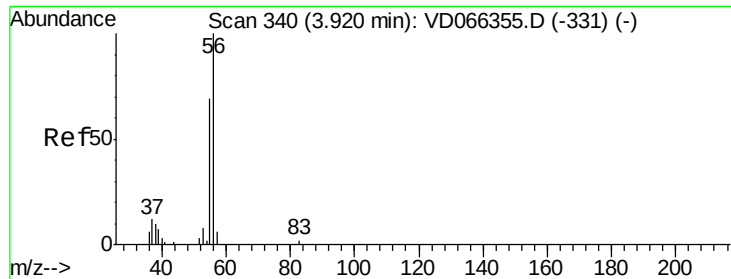


#12

1,1-Dichloroethene
 Concen: 19.060 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. -0.01 min
 Lab File: VD066454.D
 Acq: 28 Aug 2020 12:37

Tgt Ion	Ratio	Resp	Lower	Upper
96	100			
61	159.5	124.3	186.5	
98	55.4	53.2	79.8	





#13

Acrolein

Concen: 55.341 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD066454.D

Acq: 28 Aug 2020 12:37

Instrument :

MSVOA_D

ClientSampleId :

VD0828SBSD01

Tot Ion: 56 Resp: 3973

Ion Ratio Lower Upper

56 100

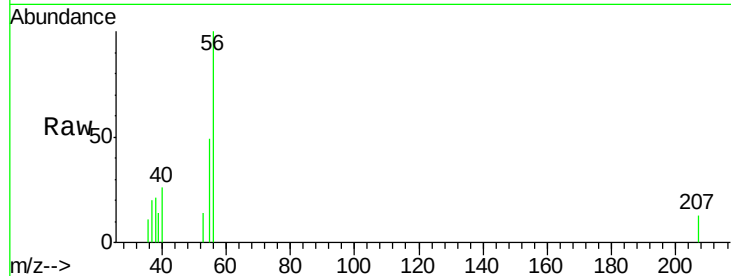
55 45.9 55.5 83.3#

Manual Integrations

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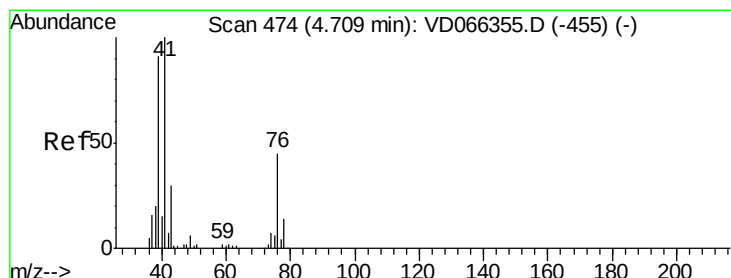
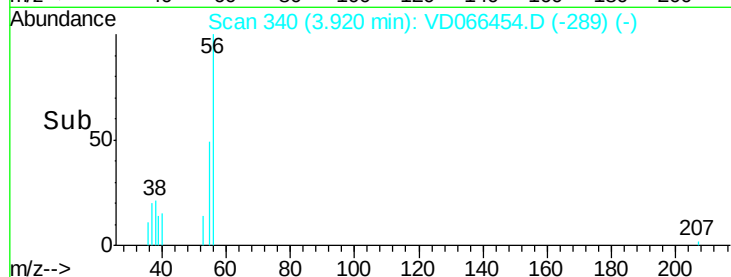
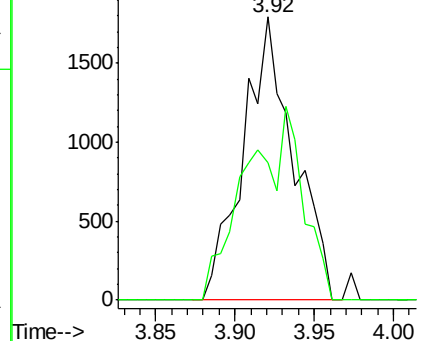
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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 15.758 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD066454.D

Acq: 28 Aug 2020 12:37

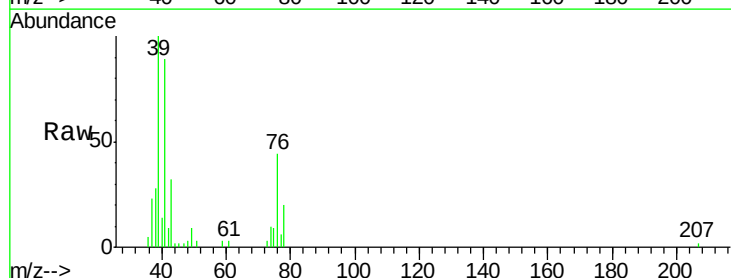
Tgt Ion: 41 Resp: 28268

Ion Ratio Lower Upper

41 100

39 120.0 72.8 109.2#

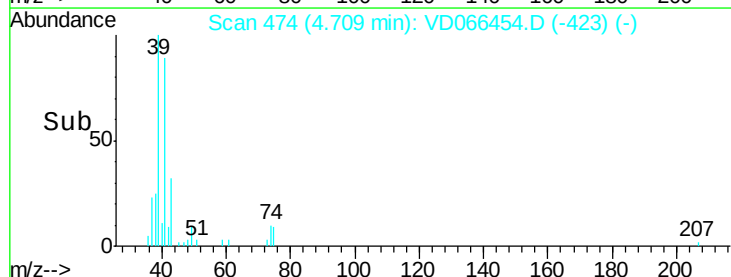
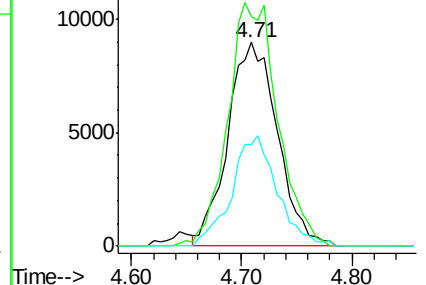
76 49.5 34.0 51.0

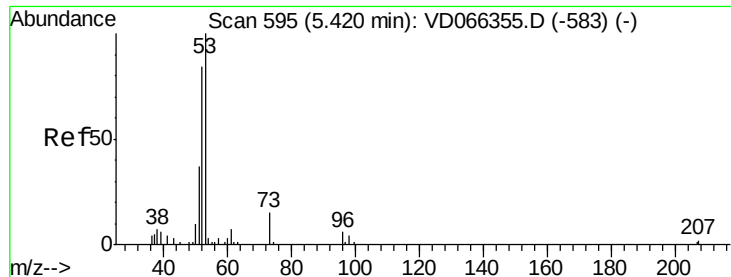


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 88.407 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.00 min

Lab File: VD066454.D

Acq: 28 Aug 2020 12:37

Instrument :

MSVOA_D

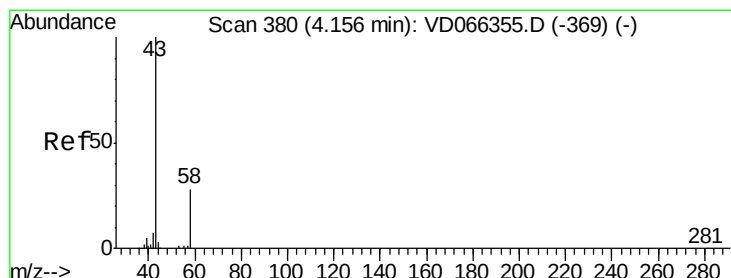
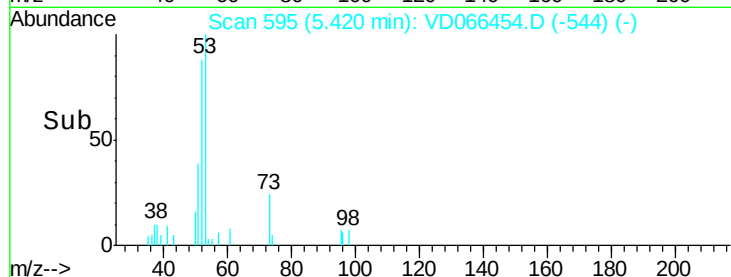
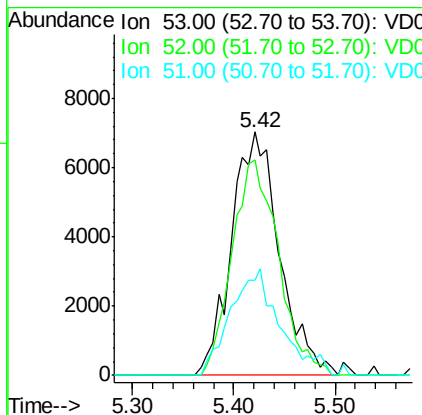
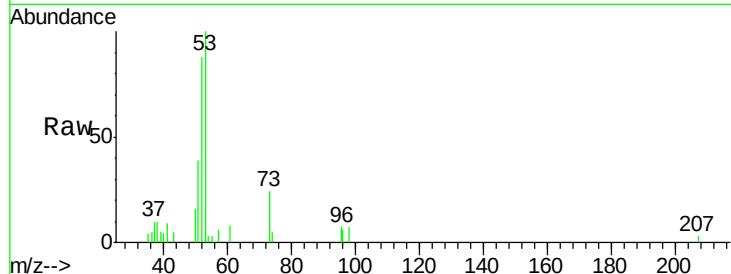
ClientSampleId :

VD0828SBS01

Tot Ion:	53	Resp:	23058
Ion Ratio	Lower	Upper	
53	100		
52	85.7	68.1	102.1
51	45.0	33.8	50.6

Manual Integrations
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#16

Acetone

Concen: 93.953 ug/l

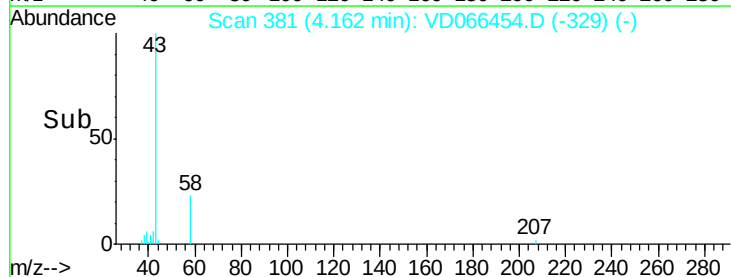
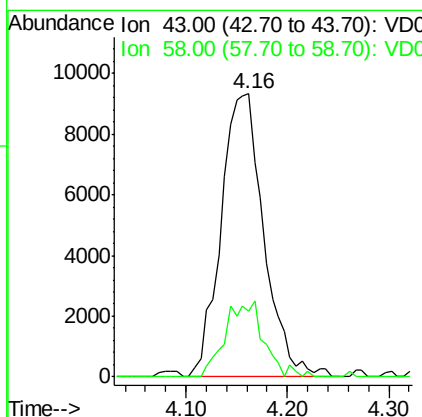
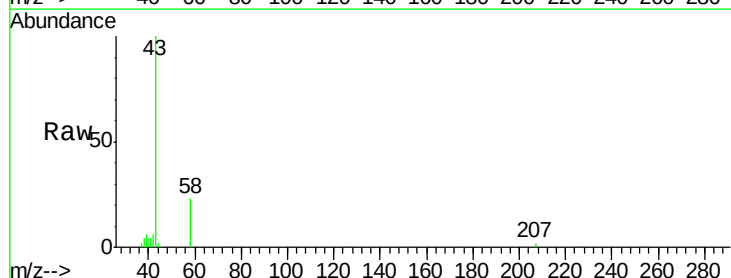
RT: 4.16 min Scan# 381

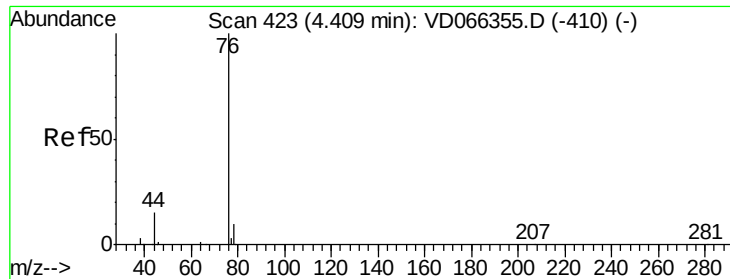
Delta R.T. 0.01 min

Lab File: VD066454.D

Acq: 28 Aug 2020 12:37

Tgt Ion:	43	Resp:	27384
Ion Ratio	Lower	Upper	
43	100		
58	23.2	22.7	34.1





#17

Carbon Disulfide

Concen: 16.717 ug/l

RT: 4.41 min Scan# 423

Delta R.T. 0.00 min

Lab File: VD066454.D

Acq: 28 Aug 2020 12:37

Instrument :

MSVOA_D

ClientSampleId :

VD0828SBSD01

Tot Ion: 76 Resp: 68092

Ion Ratio Lower Upper

76 100

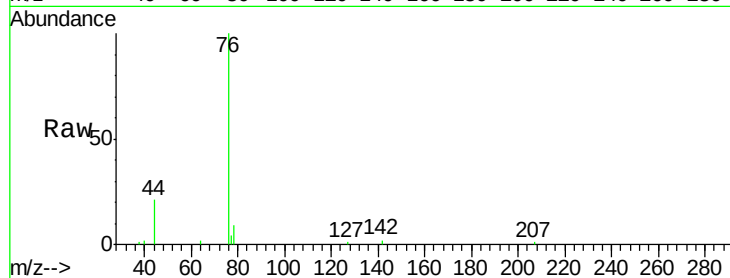
78 9.4 7.7 11.5

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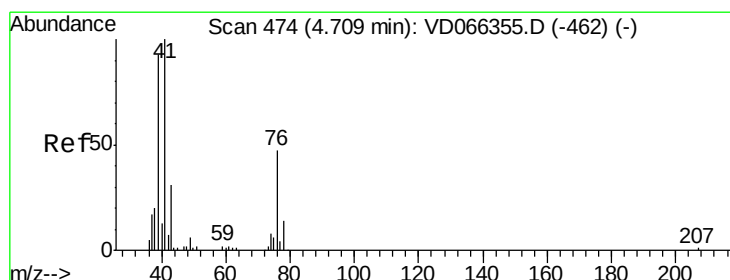
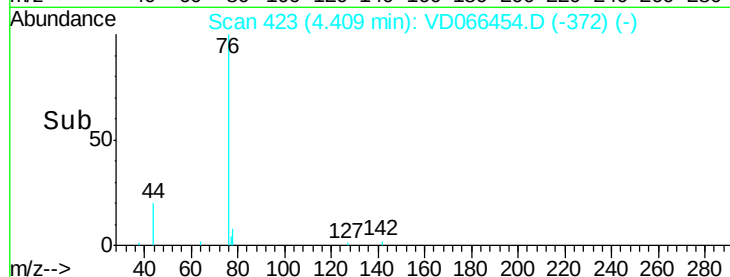
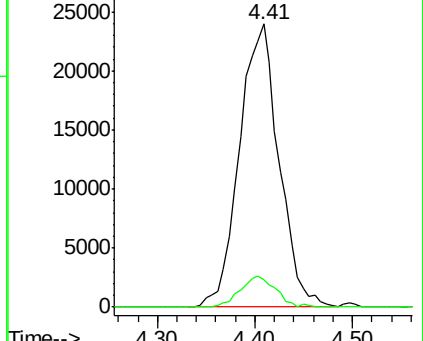
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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 16.586 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD066454.D

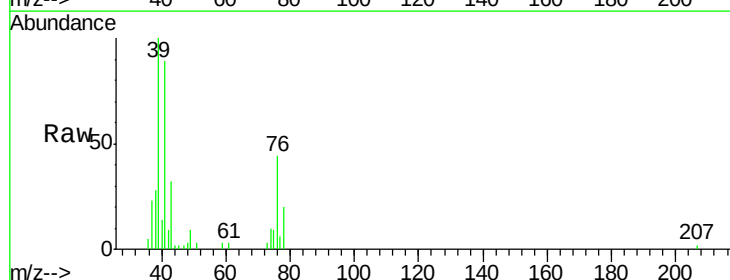
Acq: 28 Aug 2020 12:37

Tgt Ion: 43 Resp: 9073

Ion Ratio Lower Upper

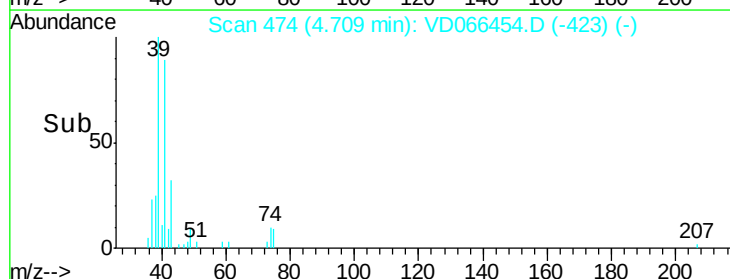
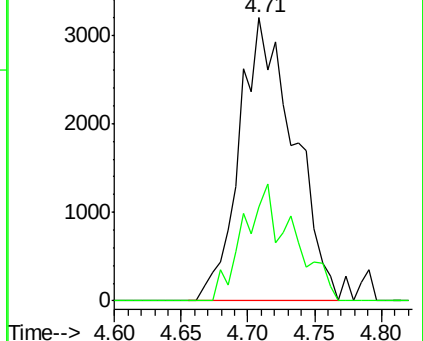
43 100

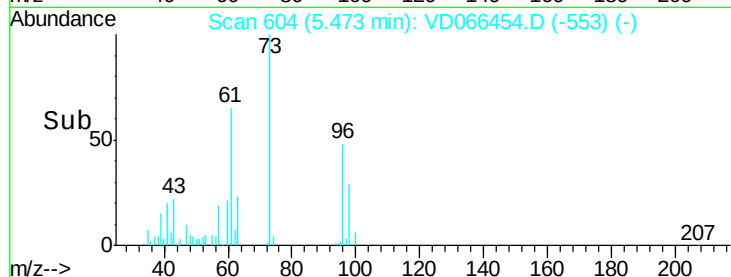
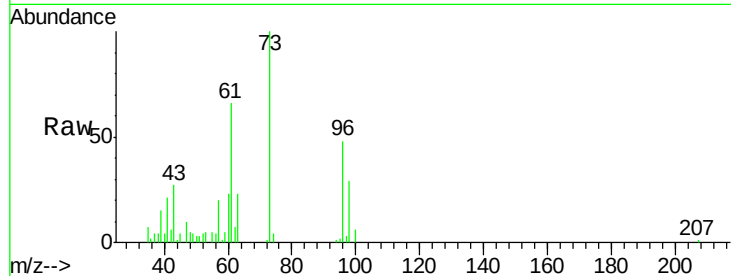
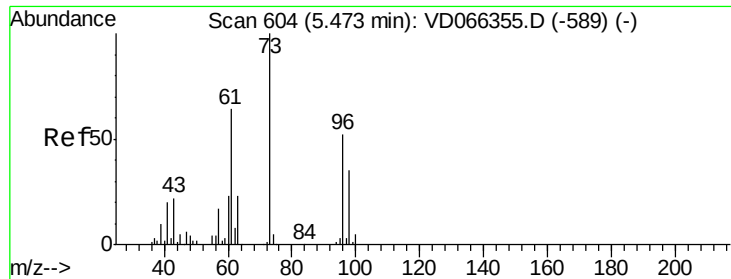
74 37.5 21.0 31.6#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





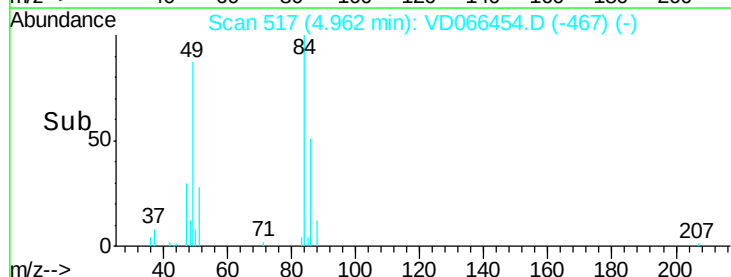
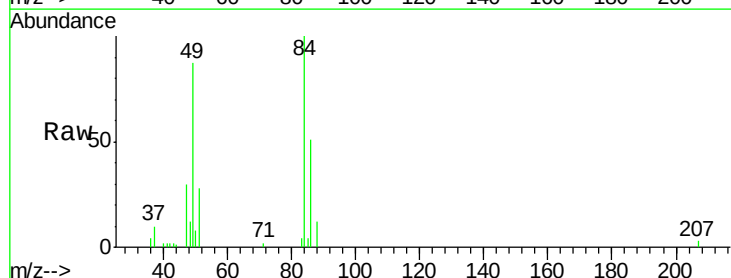
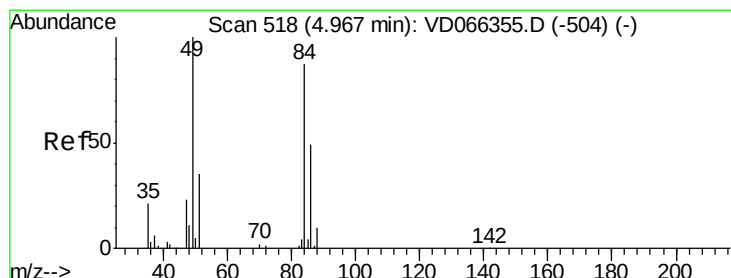
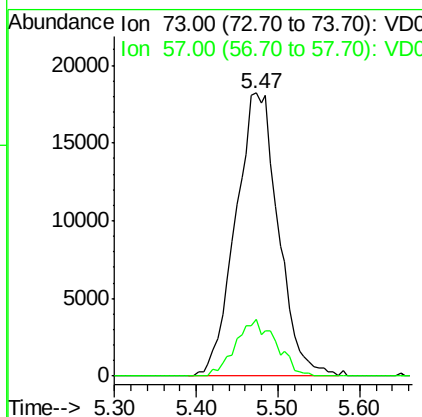
#19
Methyl tert-butyl Ether
Concen: 20.441 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.00 min
Lab File: VD066454.D
Acq: 28 Aug 2020 12:37

Tot Ion	73	Resp	66153
Ion Ratio	100	Lower	Upper
57	20.3	13.8	20.6

Instrument :
MSVOA_D
ClientSampleId :
VD0828SBS01

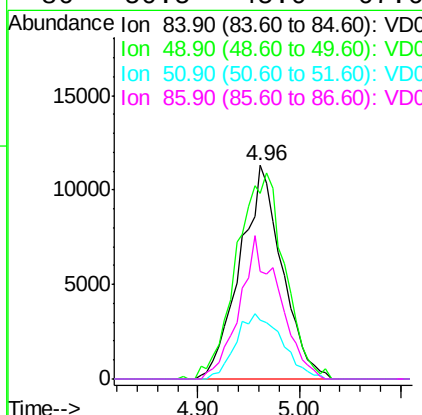
Manual Integrations
APPROVED

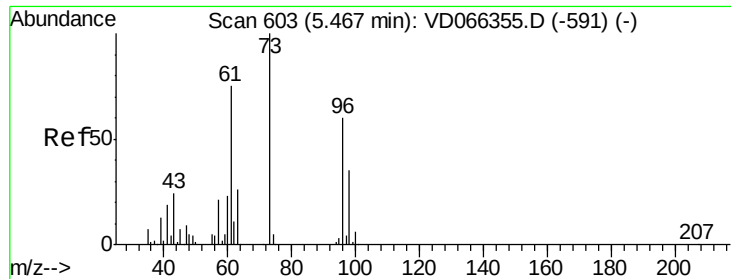
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#20
Methylene Chloride
Concen: 16.695 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD066454.D
Acq: 28 Aug 2020 12:37

Tgt Ion	84	Resp	32573
Ion Ratio	100	Lower	Upper
49	86.8	92.5	138.7#
51	27.7	32.5	48.7#
86	50.5	45.0	67.6





#21

trans-1,2-Dichloroethene

Concen: 18.585 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD066454.D

Acq: 28 Aug 2020 12:37

Instrument :

MSVOA_D

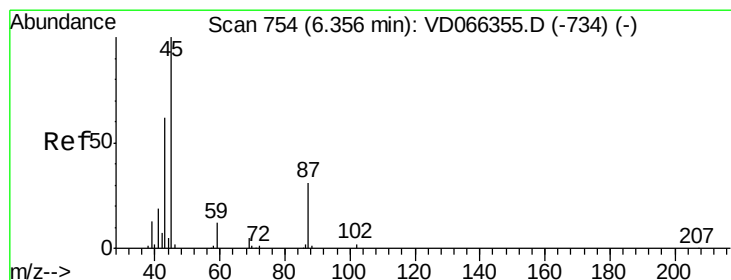
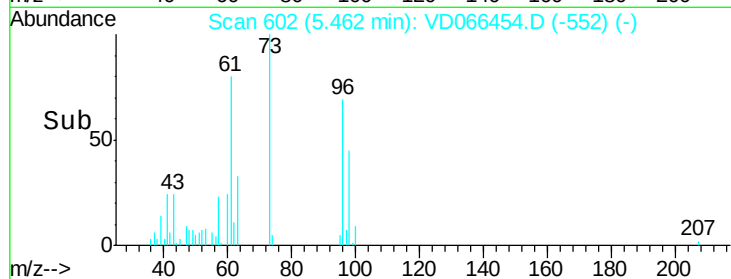
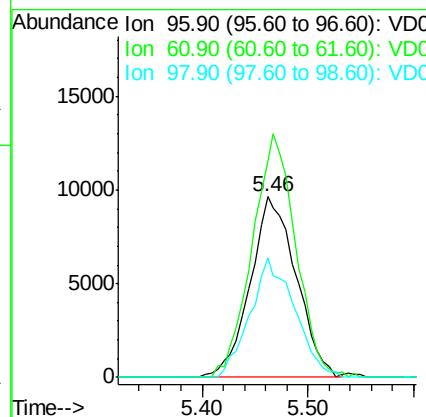
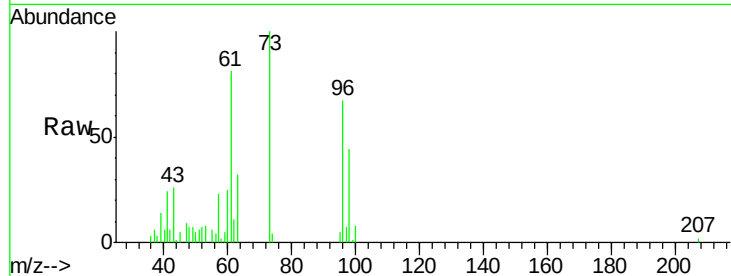
ClientSampleId :

VD0828SBSD01

Tot Ion:	96	Resp:	29077
Ion	Ratio	Lower	Upper
96	100		
61	119.9	101.1	151.7
98	65.9	47.0	70.6

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#22

Diisopropyl ether

Concen: 17.878 ug/l

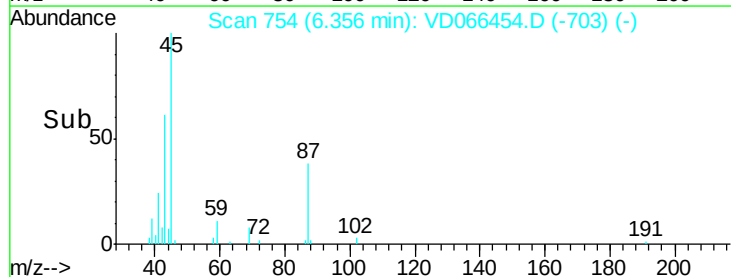
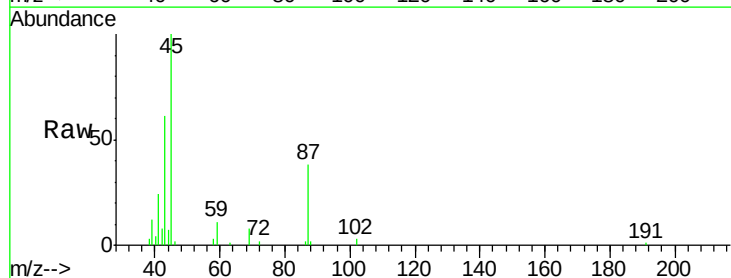
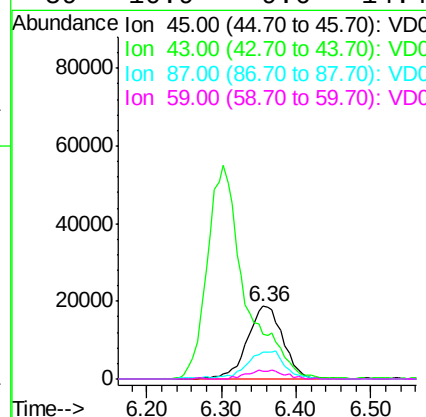
RT: 6.36 min Scan# 754

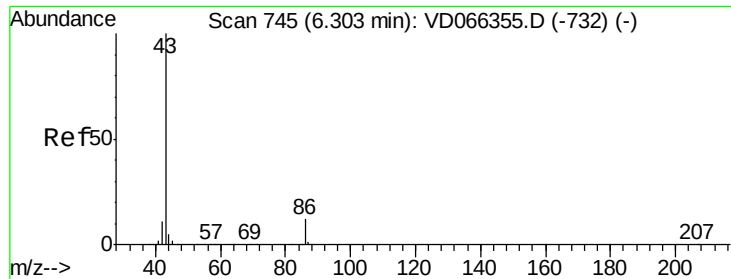
Delta R.T. 0.00 min

Lab File: VD066454.D

Acq: 28 Aug 2020 12:37

Tgt Ion:	45	Resp:	62095
Ion	Ratio	Lower	Upper
45	100		
43	59.5	49.8	74.8
87	37.5	25.0	37.6
59	10.9	9.6	14.4





#23

Vinyl Acetate

Concen: 89.829 ug/l

RT: 6.30 min Scan# 745

Delta R.T. 0.00 min

Lab File: VD066454.D

Acq: 28 Aug 2020 12:37

Instrument :

MSVOA_D

ClientSampleId :

VD0828SBS01

Tot Ion: 43 Resp: 193147

Ion Ratio Lower Upper

43 100

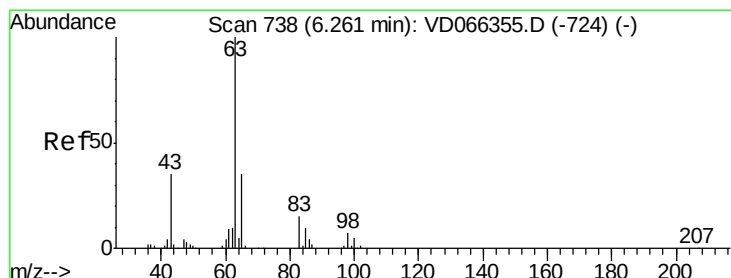
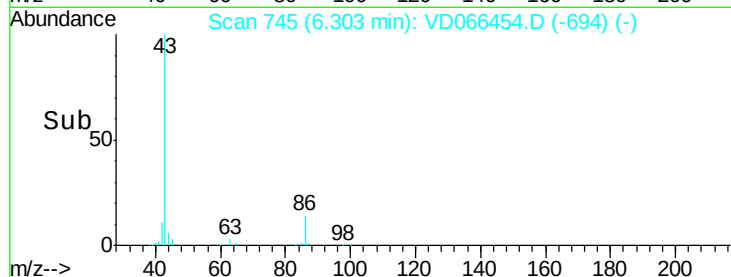
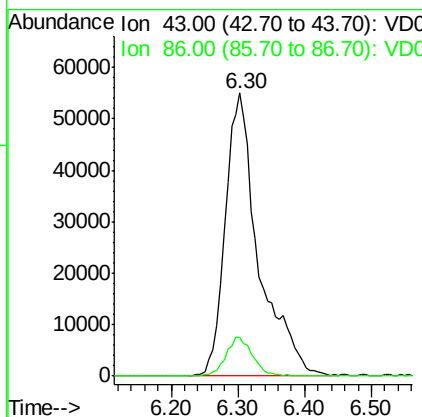
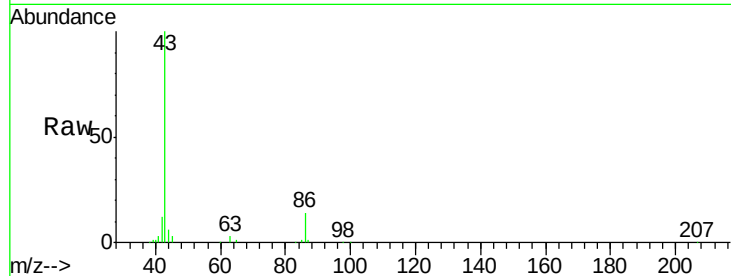
86 13.8 9.4 14.0

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#24

1,1-Dichloroethane

Concen: 18.299 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD066454.D

Acq: 28 Aug 2020 12:37

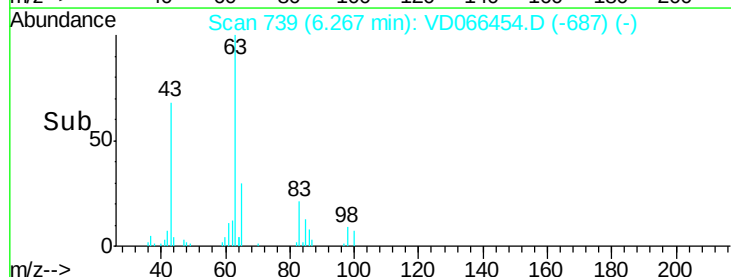
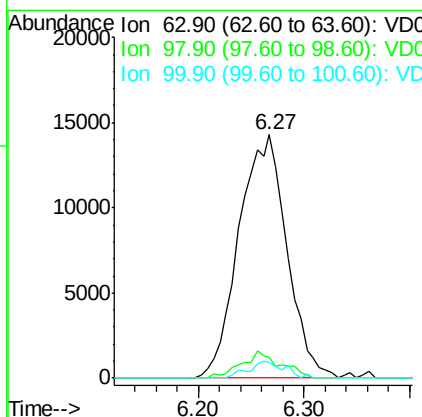
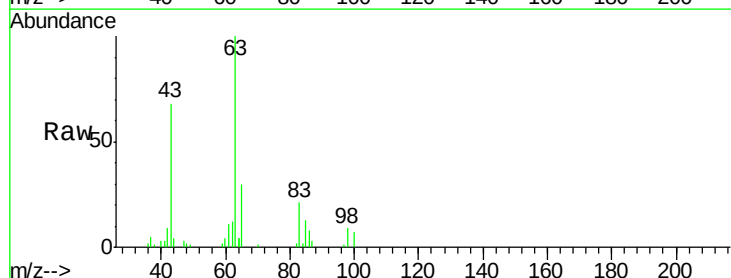
Tgt Ion: 63 Resp: 44914

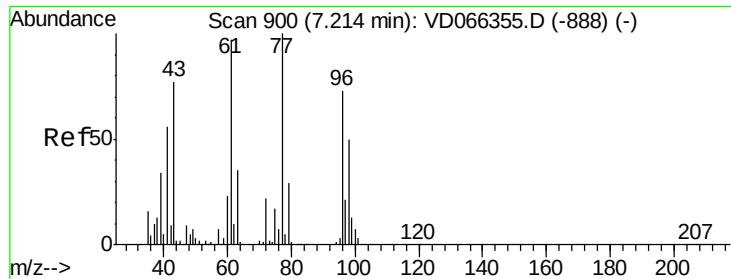
Ion Ratio Lower Upper

63 100

98 8.6 3.5 10.6

100 6.6 2.5 7.6





#25

2-Butanone

Concen: 89.439 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD066454.D

Acq: 28 Aug 2020 12:37

Instrument :

MSVOA_D

ClientSampleId :

VD0828SBS01

Tot Ion: 43 Resp: 29594

Ion Ratio Lower Upper

43 100

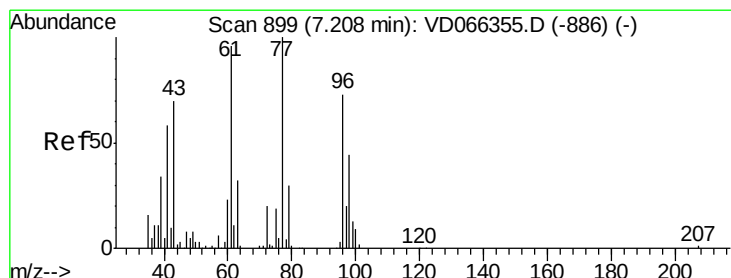
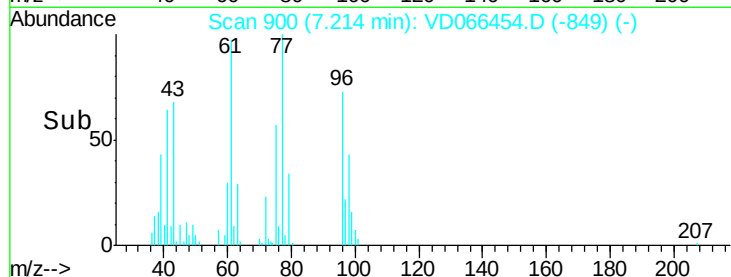
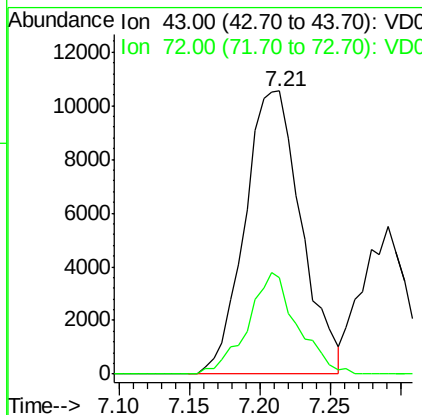
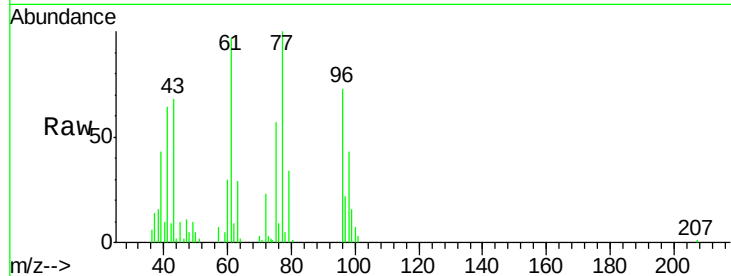
72 34.1 22.5 33.7#

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 21.727 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD066454.D

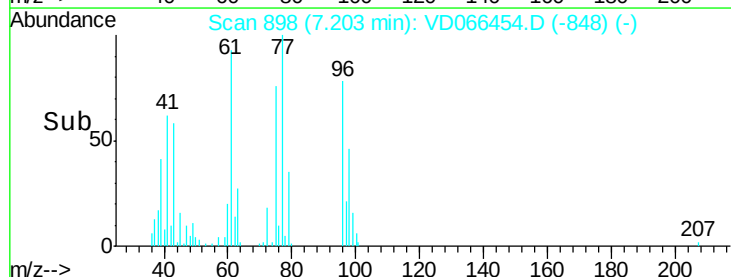
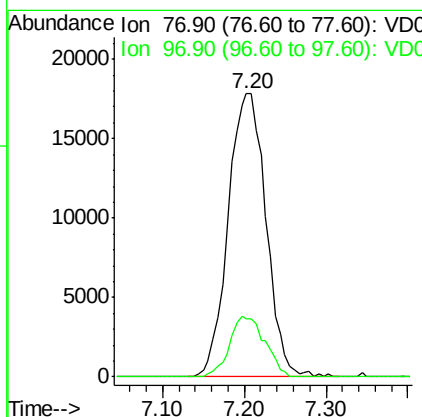
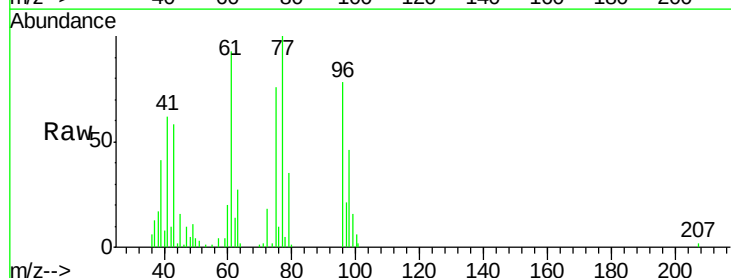
Acq: 28 Aug 2020 12:37

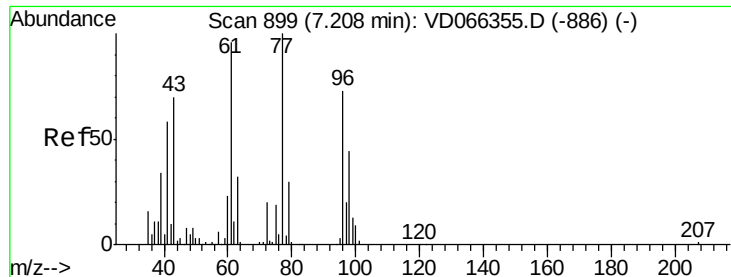
Tgt Ion: 77 Resp: 57158

Ion Ratio Lower Upper

77 100

97 19.9 10.7 31.9





#27

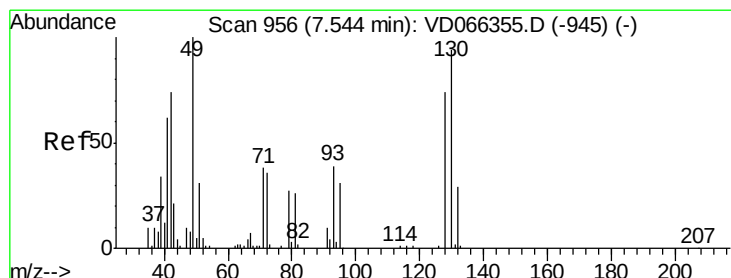
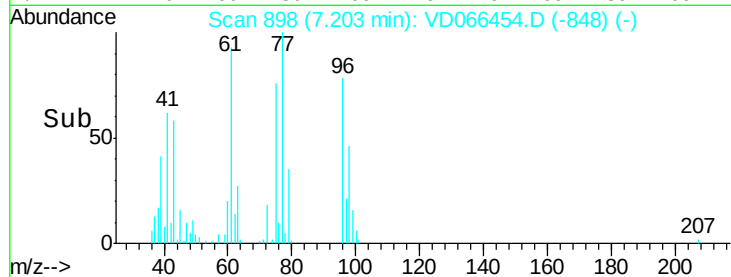
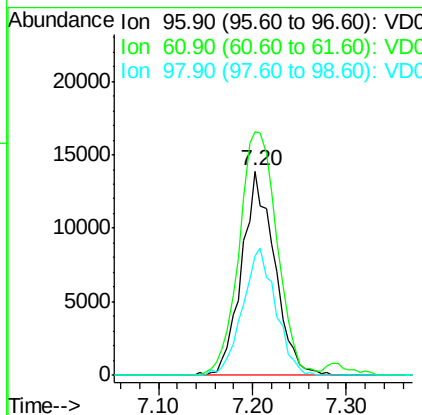
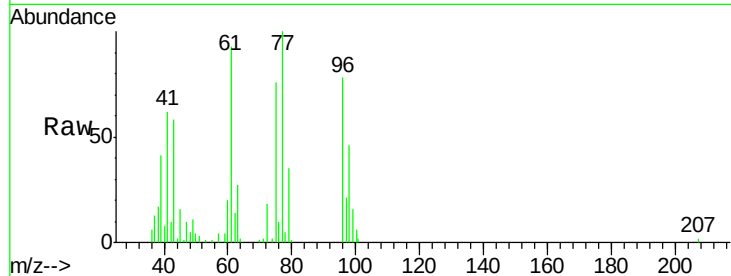
cis-1,2-Dichloroethene
 Concen: 20.064 ug/l
 RT: 7.20 min Scan# 898
 Delta R.T. -0.01 min
 Lab File: VD066454.D
 Acq: 28 Aug 2020 12:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0828SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.2	0.0	281.4
98	62.8	0.0	132.2

Manual Integrations
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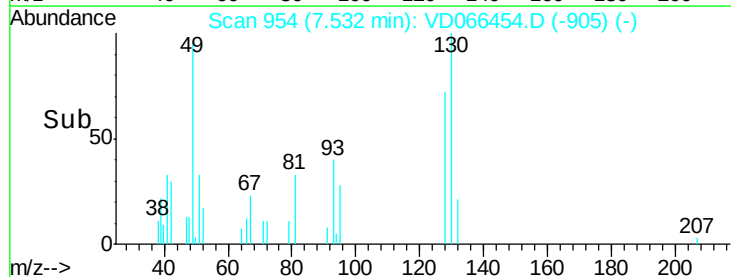
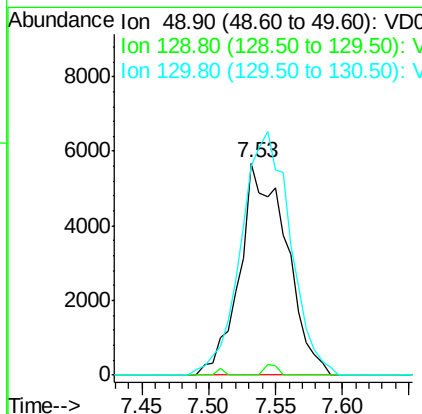
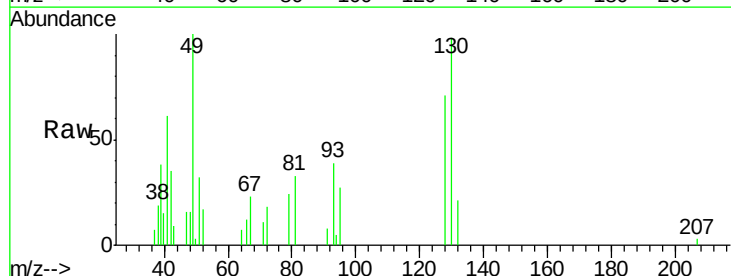
MMDadoda
 8/31/2020 11:58:41 AM

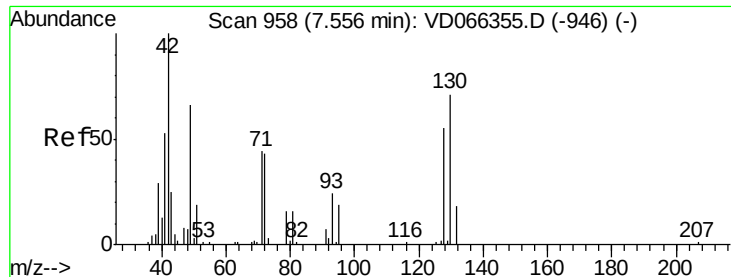


#28

Bromochloromethane
 Concen: 16.276 ug/l
 RT: 7.53 min Scan# 954
 Delta R.T. -0.01 min
 Lab File: VD066454.D
 Acq: 28 Aug 2020 12:37

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	3.0
130	121.2	82.6	124.0





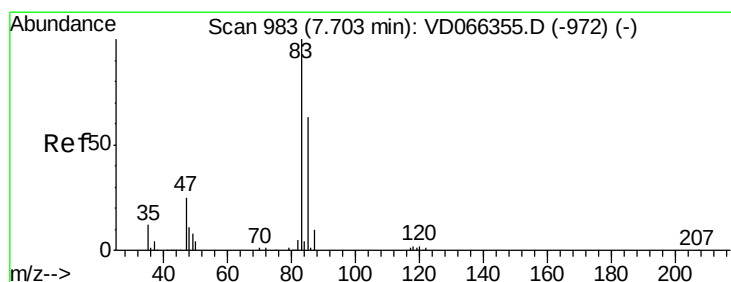
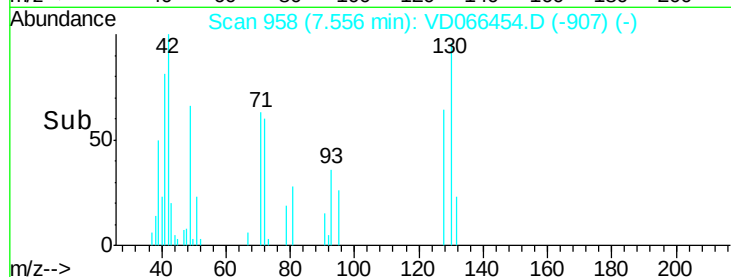
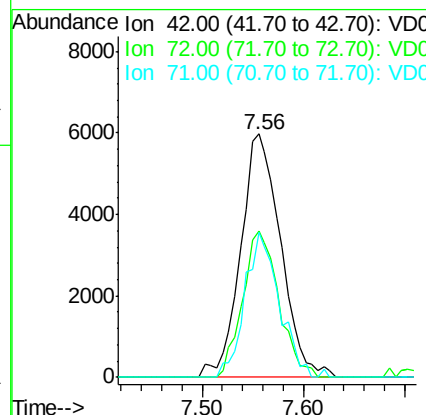
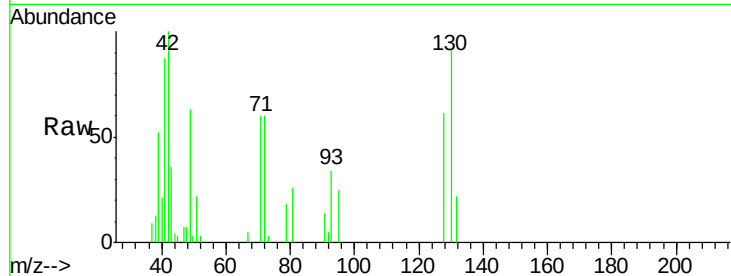
#29
Tetrahydrofuran
Concen: 87.177 ug/l
RT: 7.56 min Scan# 958
Delta R.T. -0.00 min
Lab File: VD066454.D
Acq: 28 Aug 2020 12:37

Instrument :
MSVOA_D
ClientSampleId :
VD0828SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	54.2	41.0	61.4
71	50.9	37.2	55.8

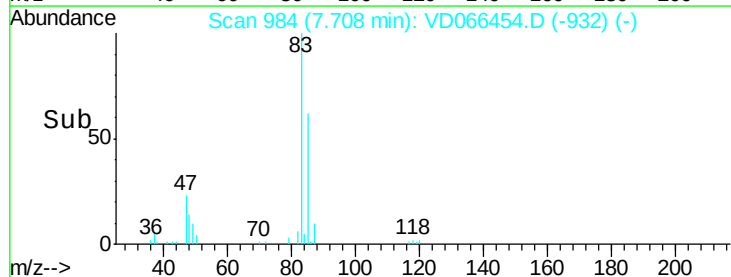
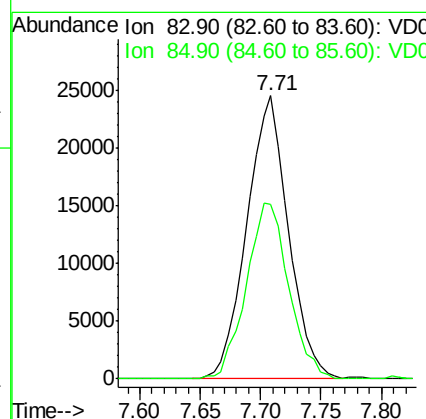
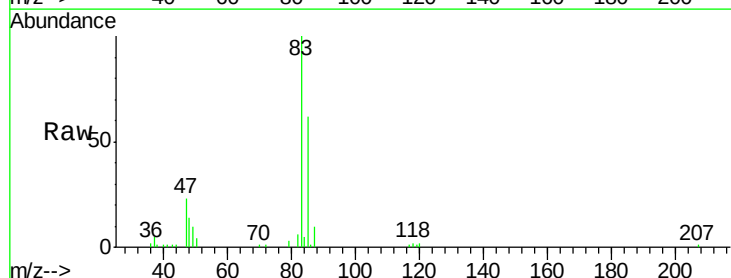
Manual Integrations
APPROVED

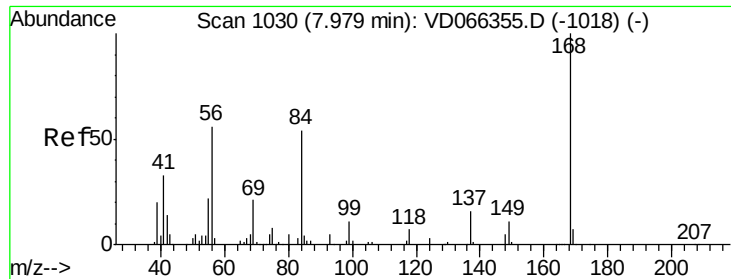
MMDadoda
8/31/2020 11:58:41 AM



#30
Chloroform
Concen: 20.669 ug/l
RT: 7.71 min Scan# 984
Delta R.T. 0.01 min
Lab File: VD066454.D
Acq: 28 Aug 2020 12:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.7	50.3	75.5





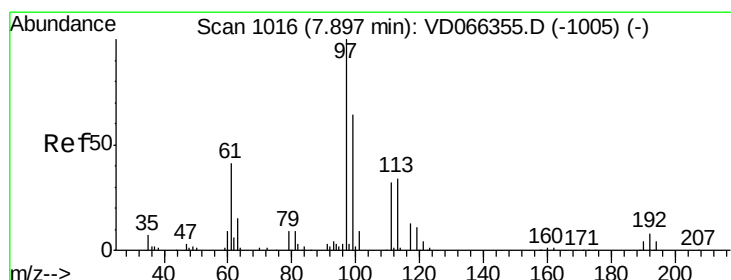
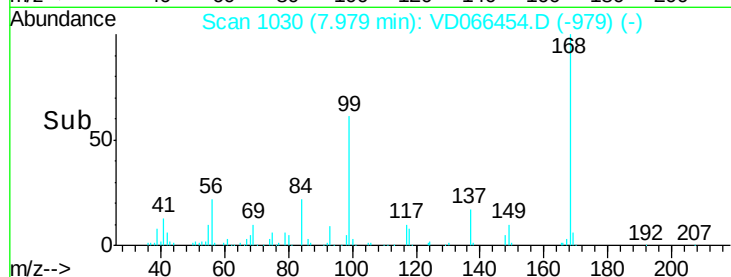
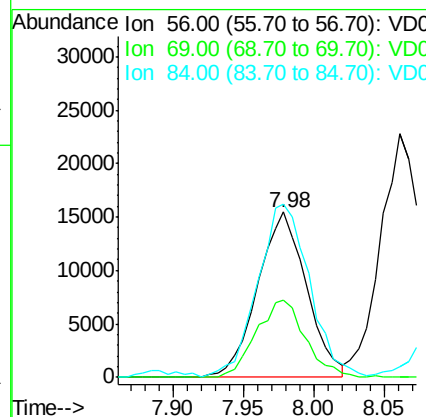
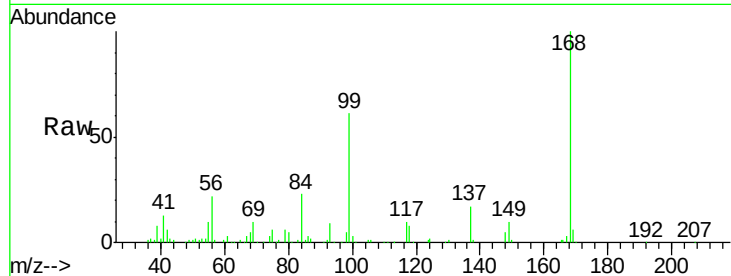
#31
Cyclohexane
Concen: 16.720 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VD066454.D
Acq: 28 Aug 2020 12:37

Instrument :
MSVOA_D
ClientSampleId :
VD0828SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	47.1	29.6	44.4#
84	102.3	76.6	115.0

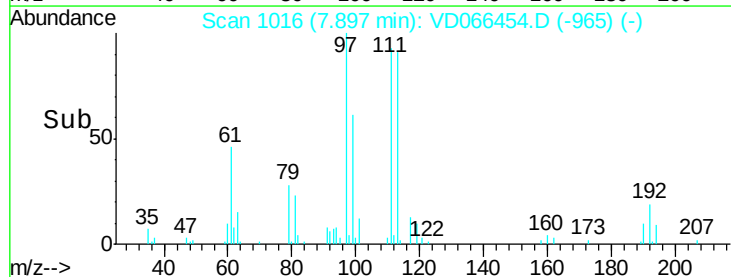
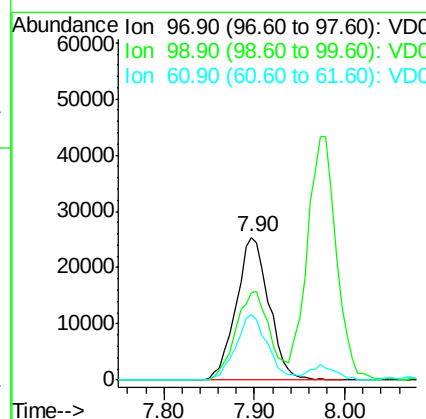
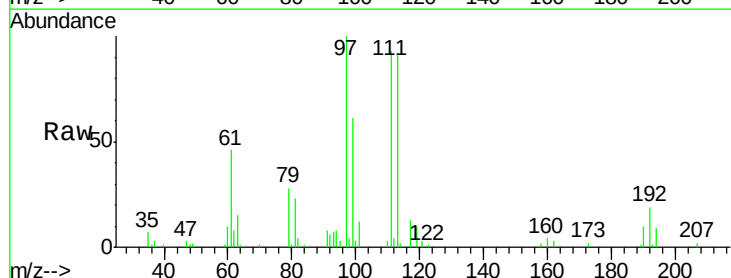
Manual Integrations
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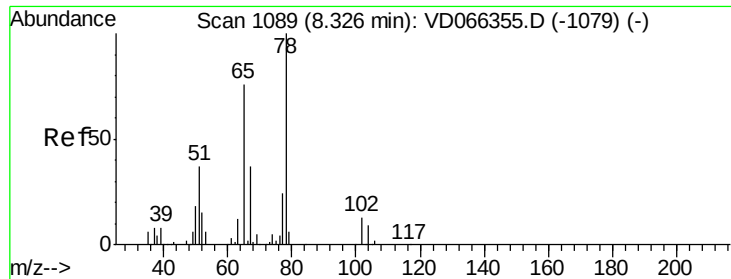
MMDadoda
8/31/2020 11:58:41 AM



#32
1,1,1-Trichloroethane
Concen: 22.071 ug/l
RT: 7.90 min Scan# 1016
Delta R.T. 0.00 min
Lab File: VD066454.D
Acq: 28 Aug 2020 12:37

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.5	77.3
61	44.4	33.3	49.9





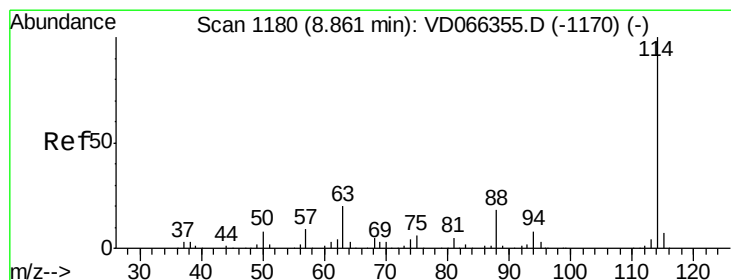
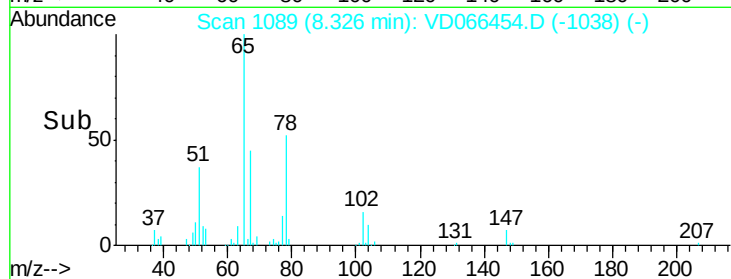
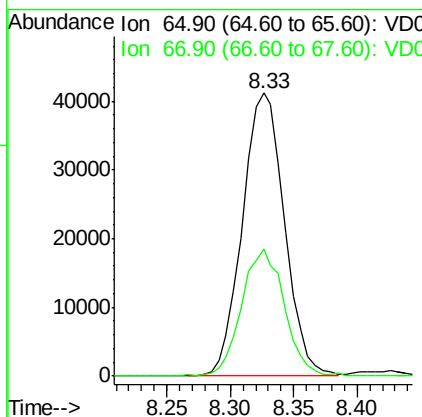
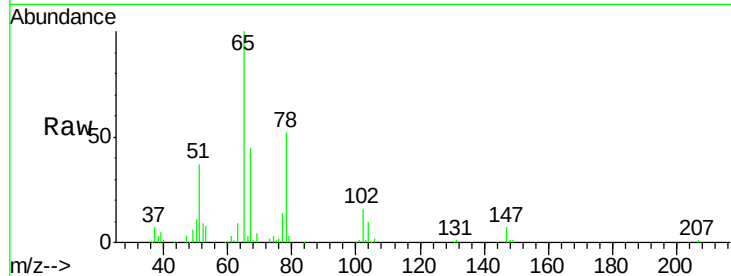
#33
 1,2-Dichloroethane-d4
 Concen: 58.797 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. 0.00 min
 Lab File: VD066454.D
 Acq: 28 Aug 2020 12:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0828SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	45.5	0.0	101.6	

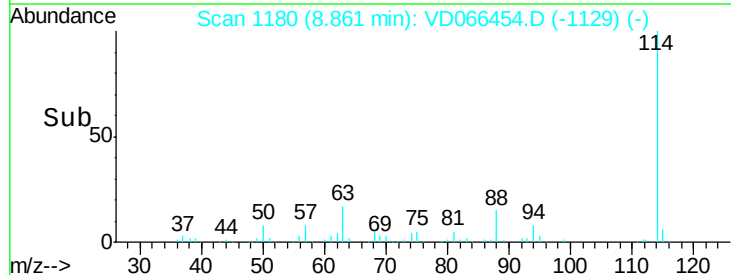
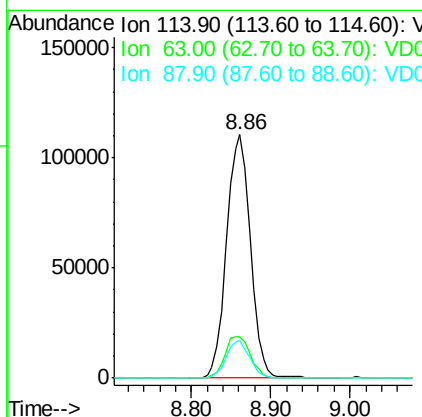
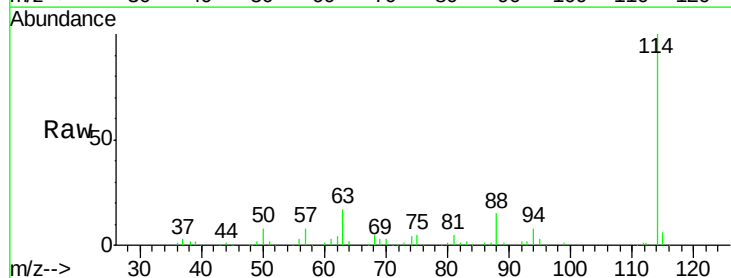
Manual Integrations
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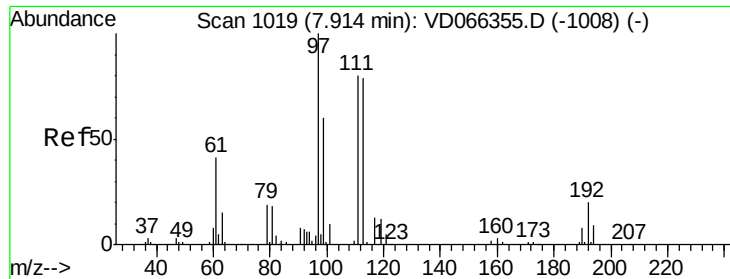
MMDadoda
 8/31/2020 11:58:41 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066454.D
 Acq: 28 Aug 2020 12:37

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	17.2	0.0	40.8	
88	15.3	0.0	35.4	





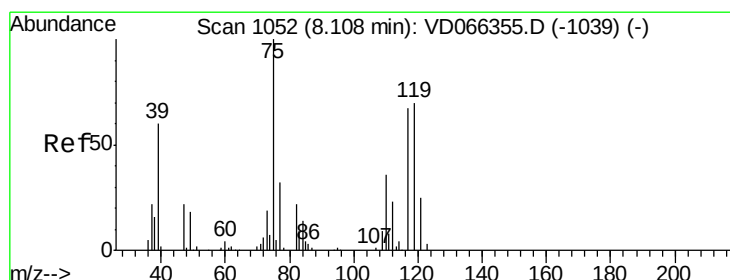
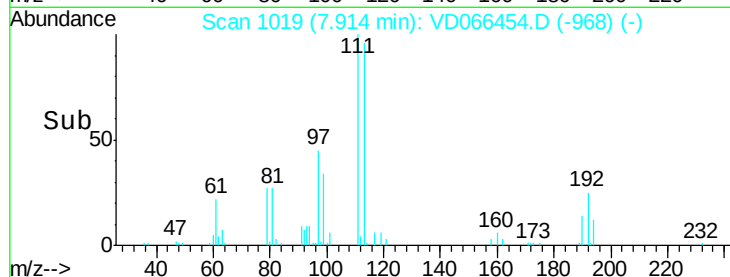
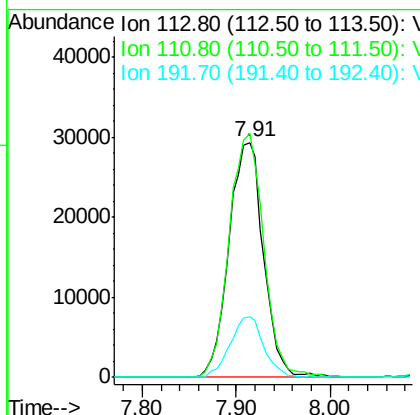
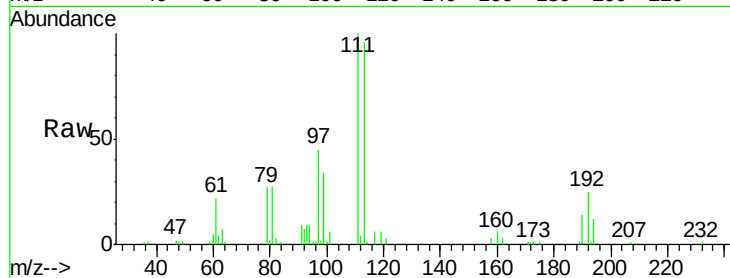
#35
 Dibromofluoromethane
 Concen: 51.902 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.00 min
 Lab File: VD066454.D
 Acq: 28 Aug 2020 12:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0828SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.2	80.3	120.5
192	25.0	19.0	28.6

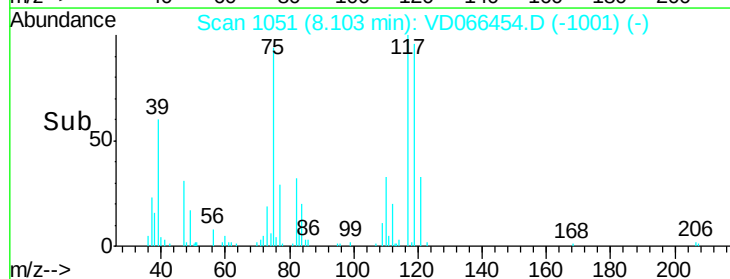
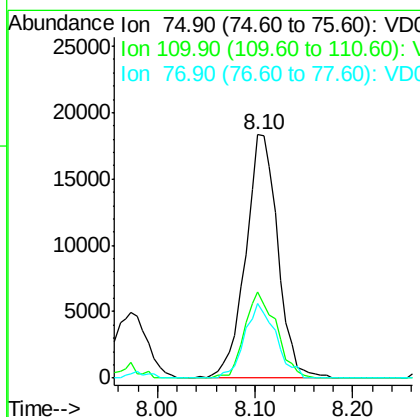
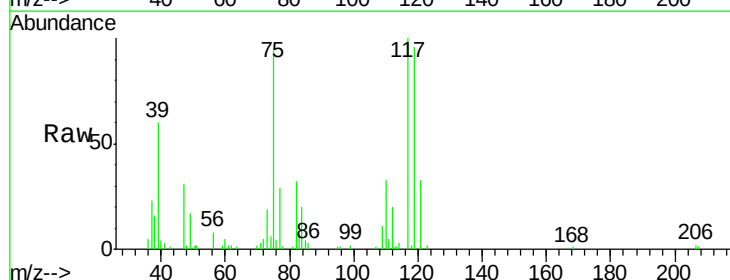
Manual Integrations
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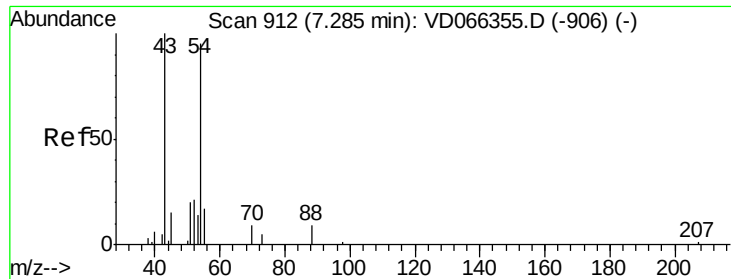
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 8/31/2020 11:58:41 AM



#36
 1,1-Dichloropropene
 Concen: 20.010 ug/l
 RT: 8.10 min Scan# 1051
 Delta R.T. -0.01 min
 Lab File: VD066454.D
 Acq: 28 Aug 2020 12:37

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.8	18.7	56.1
77	29.6	25.2	37.8





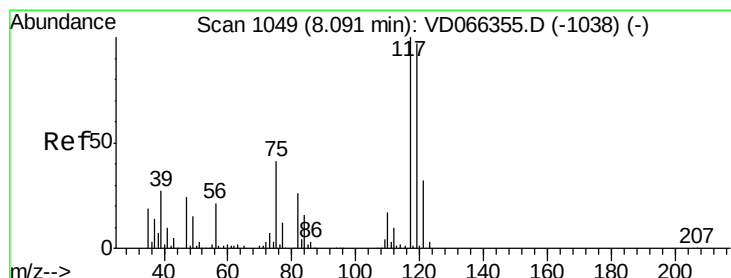
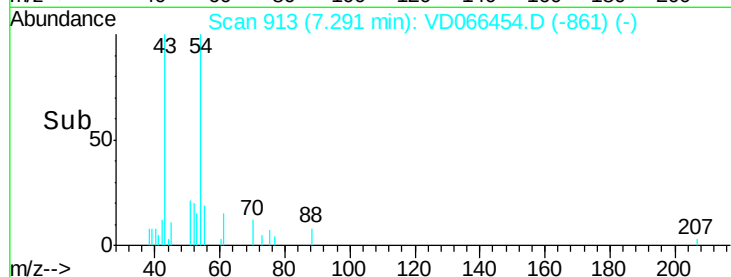
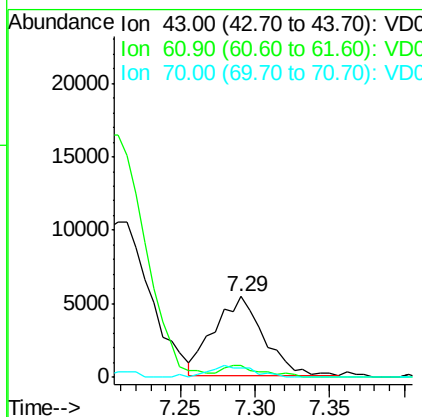
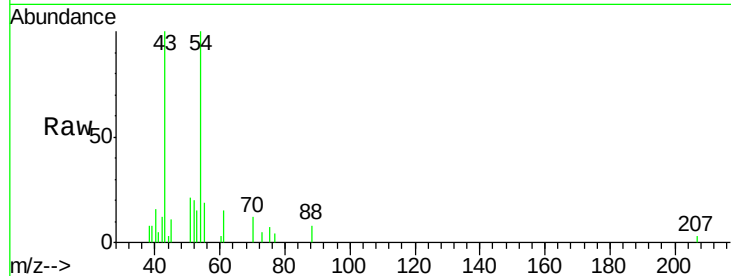
#37
Ethyl Acetate
Concen: 17.280 ug/l
RT: 7.29 min Scan# 913
Delta R.T. 0.01 min
Lab File: VD066454.D
Acq: 28 Aug 2020 12:37

Instrument :
MSVOA_D
ClientSampleId :
VD0828SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.7	13.3	19.9#
70	13.6	3.5	5.3#

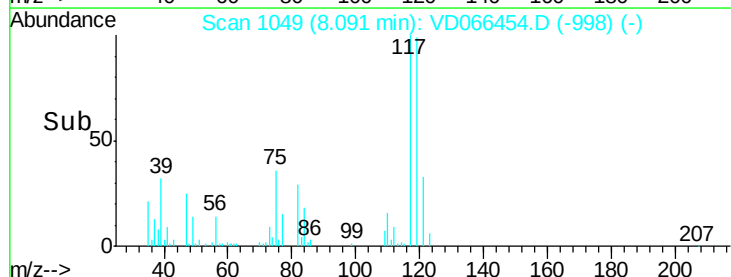
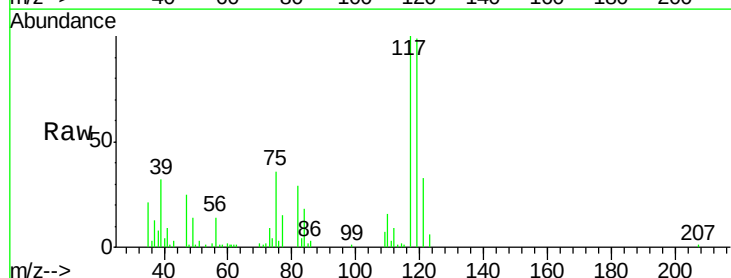
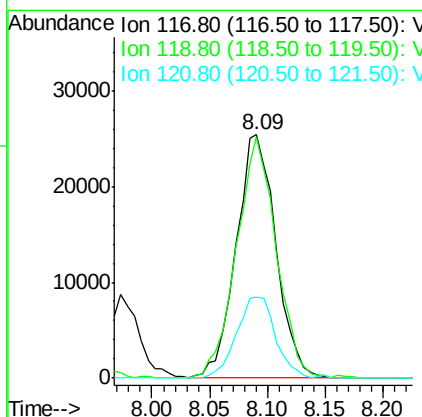
Manual Integrations
APPROVED

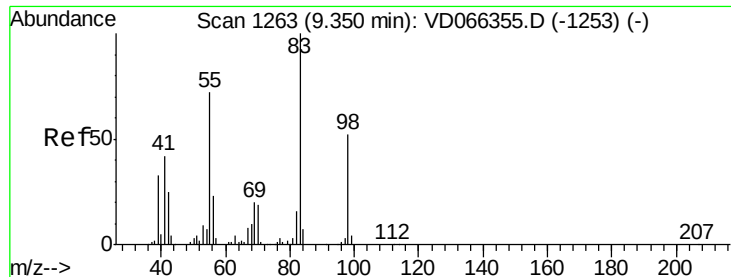
MMDadoda
8/31/2020 11:58:41 AM



#38
Carbon Tetrachloride
Concen: 22.323 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.00 min
Lab File: VD066454.D
Acq: 28 Aug 2020 12:37

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.2	77.2	115.8
121	33.3	25.8	38.8





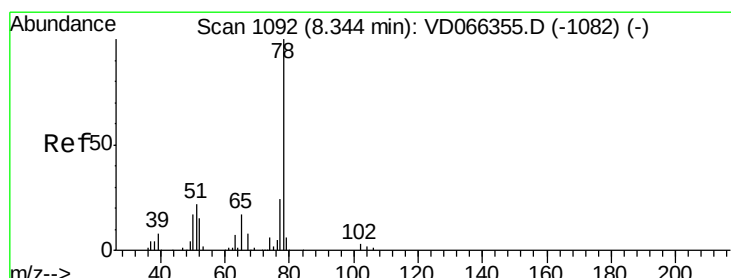
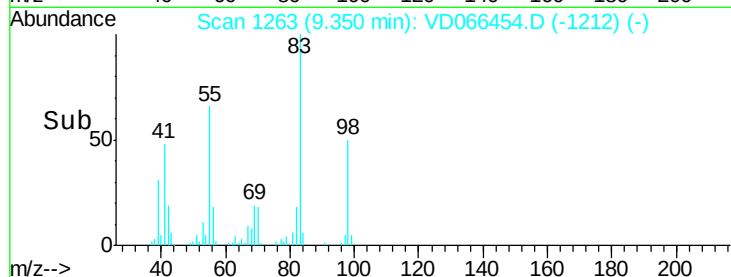
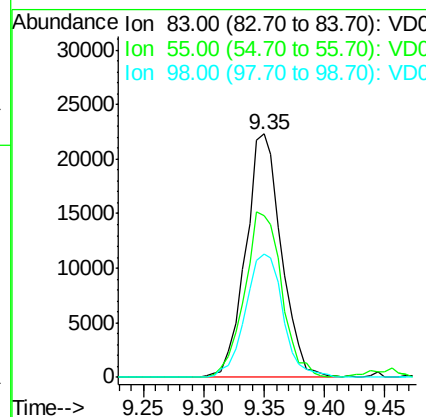
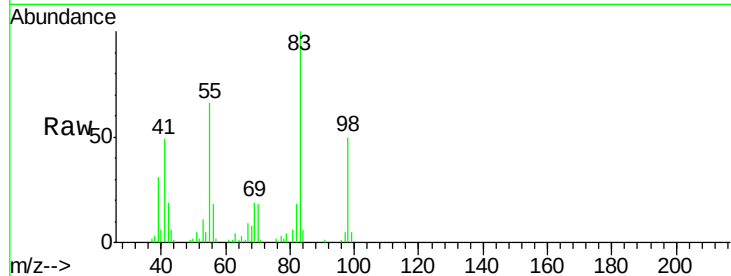
#39
Methylvlcyclohexane
Concen: 18.571 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VD066454.D
Acq: 28 Aug 2020 12:37

Instrument :
MSVOA_D
ClientSampleId :
VD0828SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	66.3	58.0	87.0
98	50.4	41.9	62.9

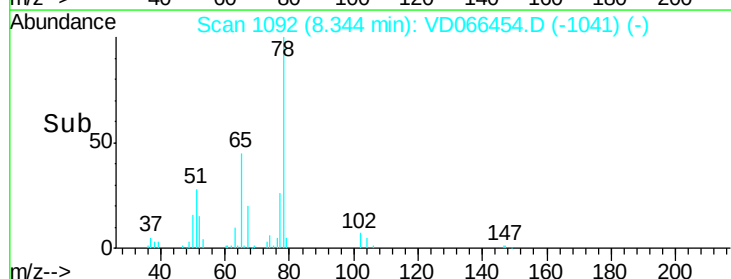
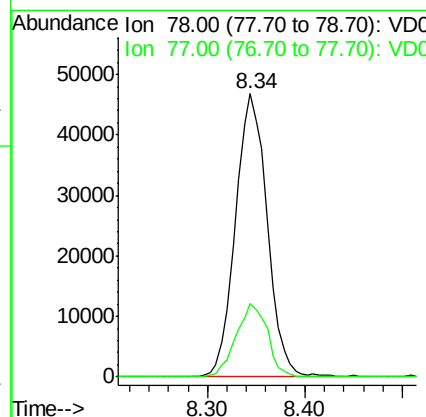
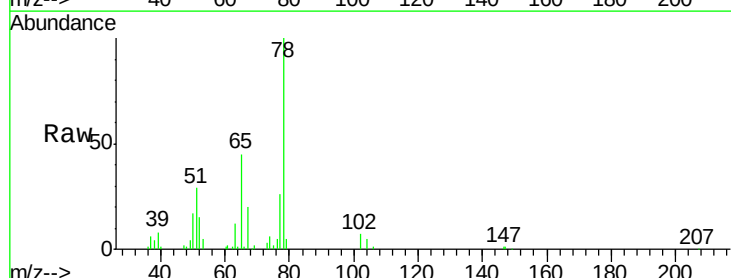
Manual Integrations
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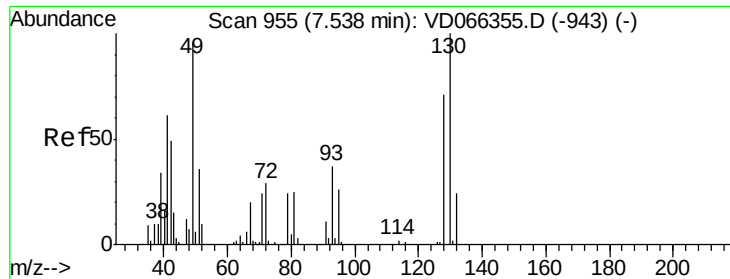
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#40
Benzene
Concen: 19.121 ug/l
RT: 8.34 min Scan# 1092
Delta R.T. 0.00 min
Lab File: VD066454.D
Acq: 28 Aug 2020 12:37

Tgt Ion	Ratio	Lower	Upper
78	100		
77	26.2	18.8	28.2





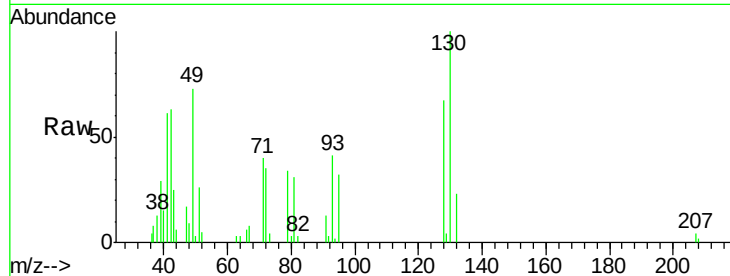
#41
Methacrylonitrile
Concen: 22.679 ug/l m
RT: 7.54 min Scan# 956
Delta R.T. 0.01 min
Lab File: VD066454.D
Acq: 28 Aug 2020 12:37

Instrument :
MSVOA_D
ClientSampleId :
VD0828SBS01

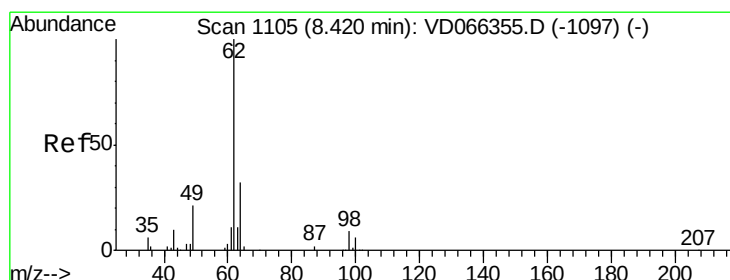
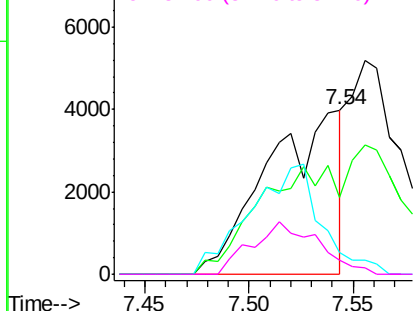
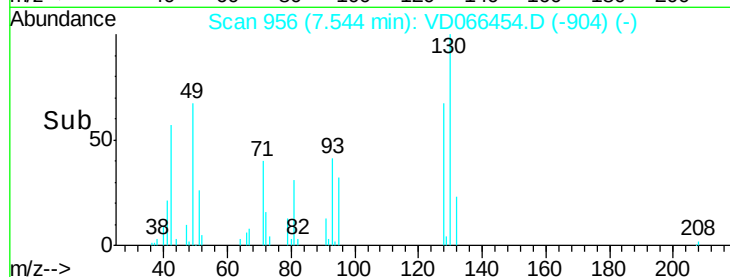
Tot Ion	Ratio	Lower	Upper
41	100		
39	53.8	51.8	77.8
67	63.8	0.0	0.0#
52	28.3	0.0	0.0#

Manual Integrations
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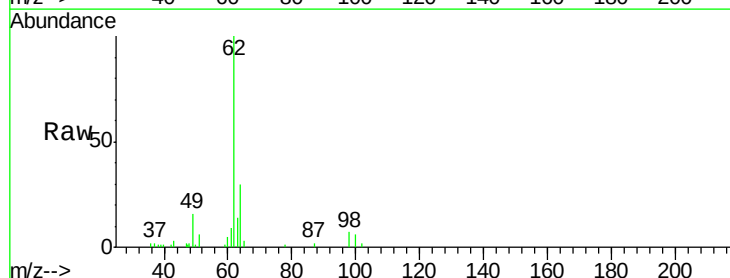


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

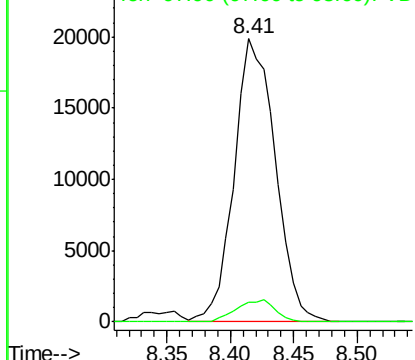
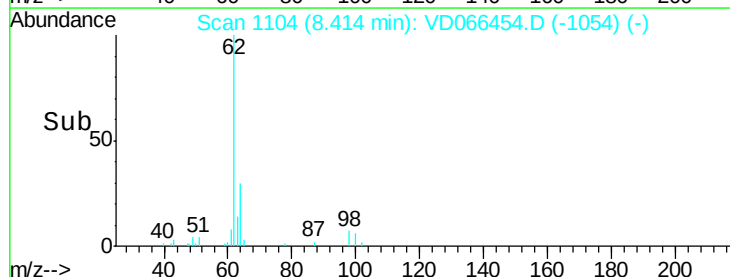


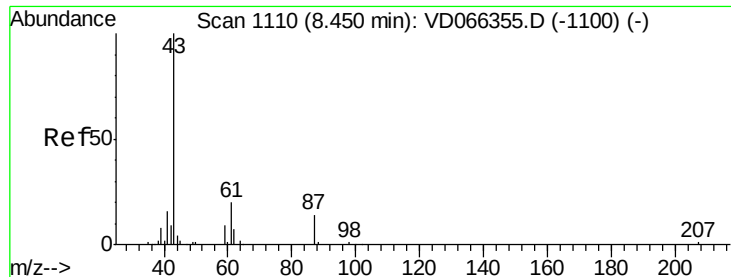
#42
1,2-Dichloroethane
Concen: 23.029 ug/l
RT: 8.41 min Scan# 1104
Delta R.T. -0.01 min
Lab File: VD066454.D
Acq: 28 Aug 2020 12:37

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.3	0.0	16.2



Abundance Ion 61.90 (61.60 to 62.60): VDC
Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 19.054 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VD066454.D

Acq: 28 Aug 2020 12:37

Instrument :

MSVOA_D

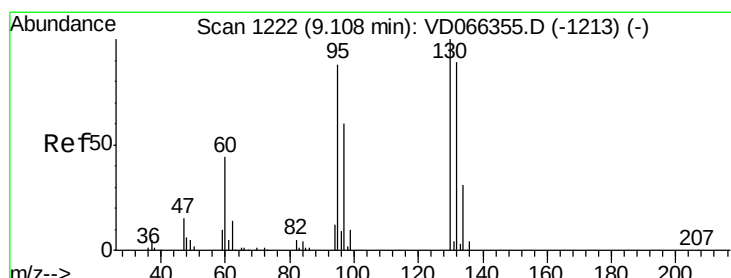
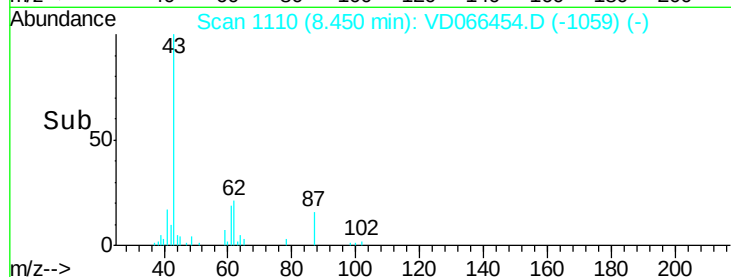
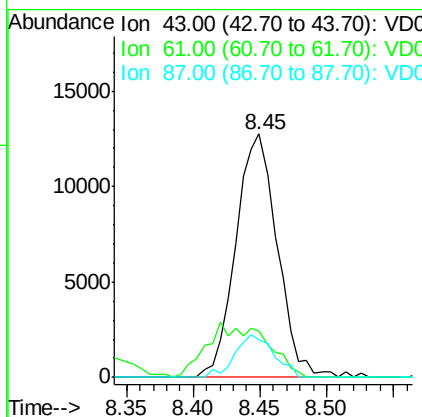
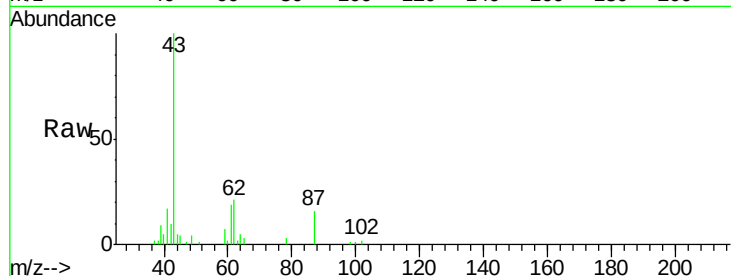
ClientSampleId :

VD0828SBSD01

Tot Ion:	43	Resp:	27336
Ion	Ratio	Lower	Upper
43	100		
61	0.0	26.5	39.7#
87	16.4	11.9	17.9

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#44

Trichloroethene

Concen: 19.956 ug/l

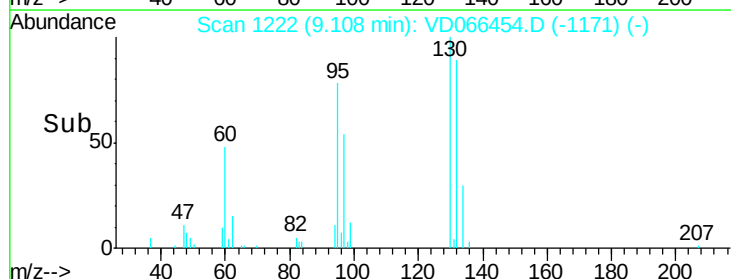
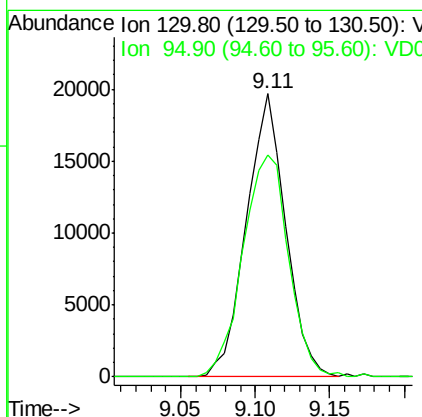
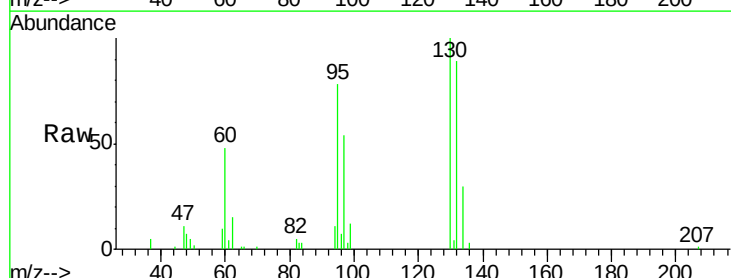
RT: 9.11 min Scan# 1222

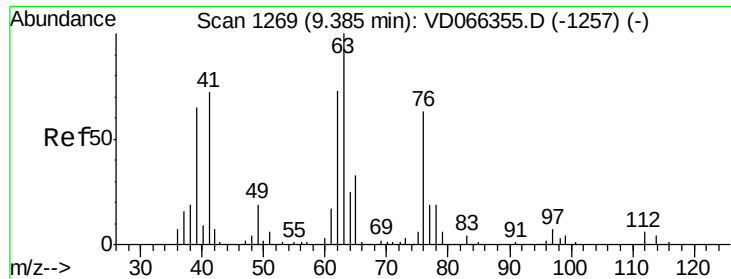
Delta R.T. 0.00 min

Lab File: VD066454.D

Acq: 28 Aug 2020 12:37

Tgt Ion:	130	Resp:	35850
Ion	Ratio	Lower	Upper
130	100		
95	78.3	0.0	175.6





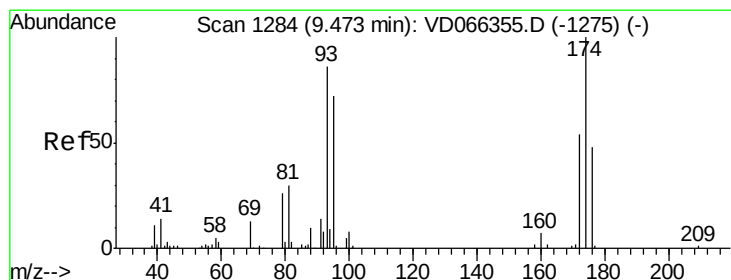
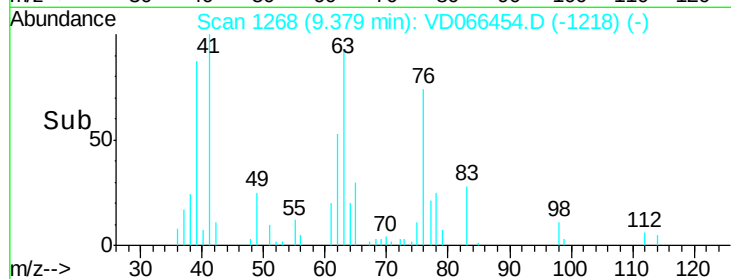
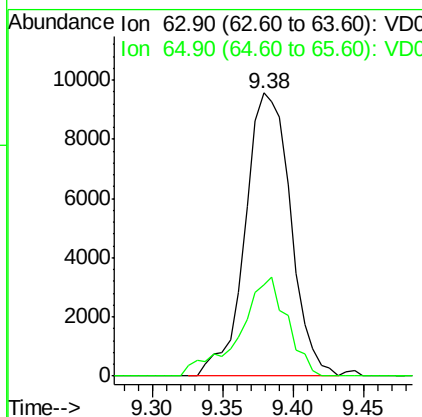
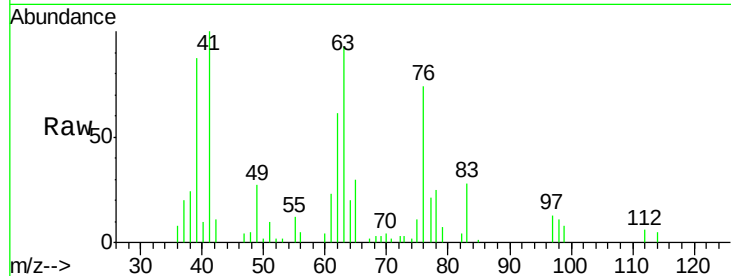
#45
 1,2-Dichloropropane
 Concen: 17.238 ug/l
 RT: 9.38 min Scan# 1268
 Delta R.T. -0.01 min
 Lab File: VD066454.D
 Acq: 28 Aug 2020 12:37

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0828SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.4	26.4	39.6

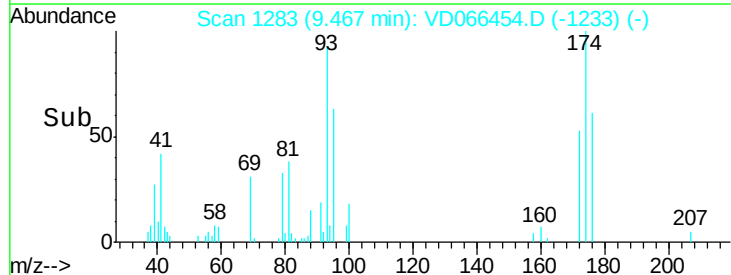
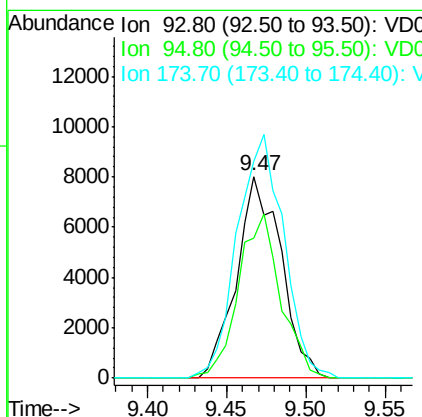
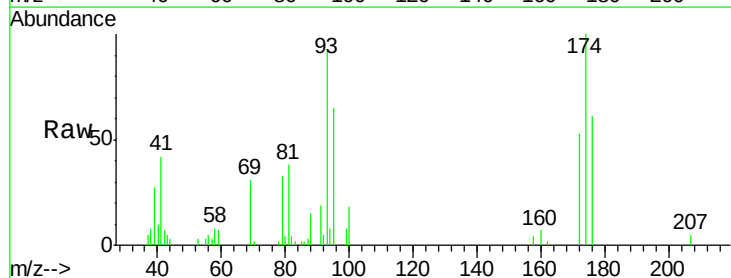
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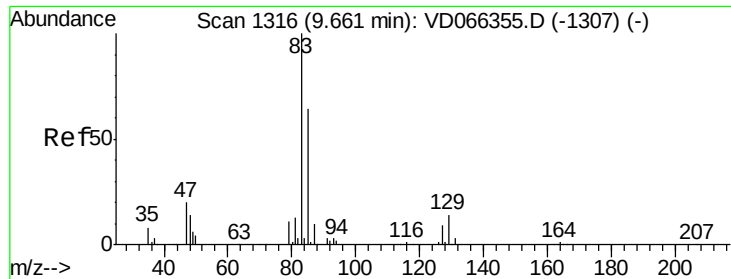
MMDadoda
 8/31/2020 11:58:41 AM



#46
 Dibromomethane
 Concen: 20.103 ug/l
 RT: 9.47 min Scan# 1283
 Delta R.T. -0.01 min
 Lab File: VD066454.D
 Acq: 28 Aug 2020 12:37

Tgt Ion	Ratio	Lower	Upper
93	100		
95	77.0	66.0	99.0
174	125.7	94.6	141.8





#47

Bromodichloromethane

Concen: 20.999 ug/l

RT: 9.66 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VD066454.D

Acq: 28 Aug 2020 12:37

Instrument :

MSVOA_D

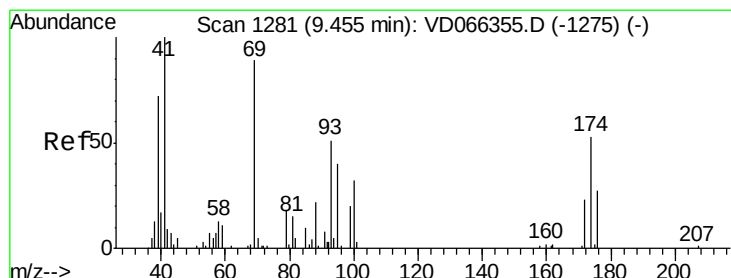
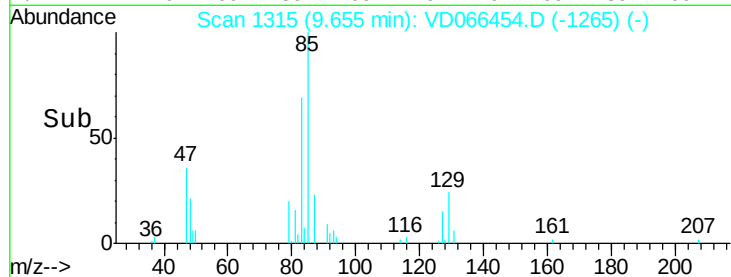
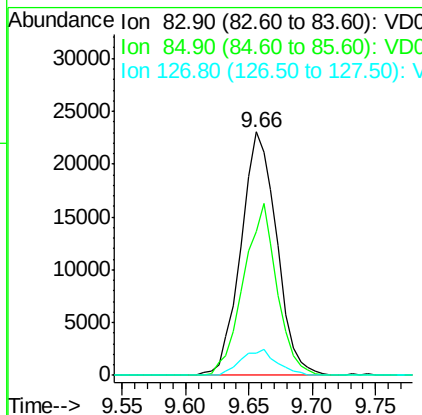
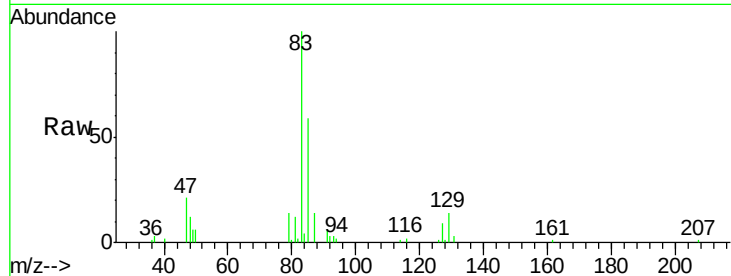
ClientSampleId :

VD0828SBS01

Tot Ion:	83	Resp:	45066
Ion	Ratio	Lower	Upper
83	100		
85	58.8	51.4	77.0
127	9.0	7.4	11.0

Manual Integrations
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8/31/2020 11:58:41 AM



#48

Methyl methacrylate

Concen: 20.172 ug/l

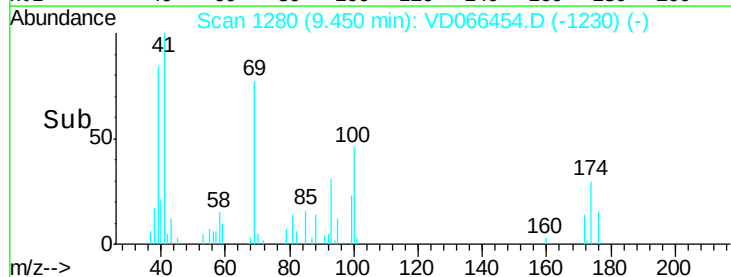
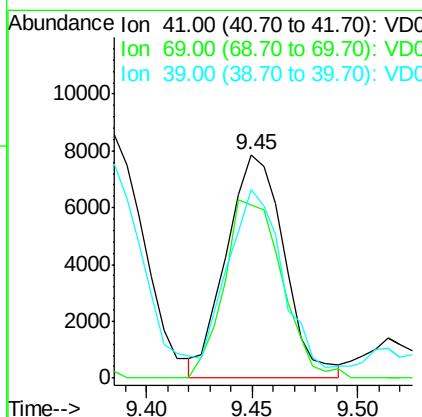
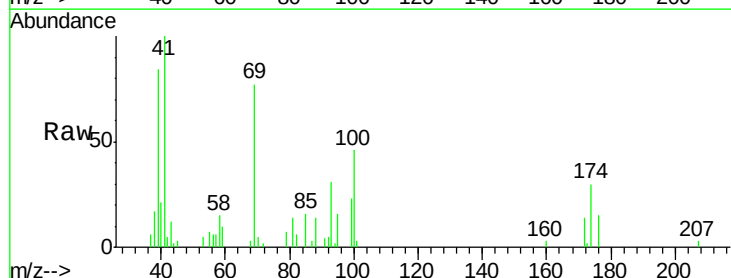
RT: 9.45 min Scan# 1280

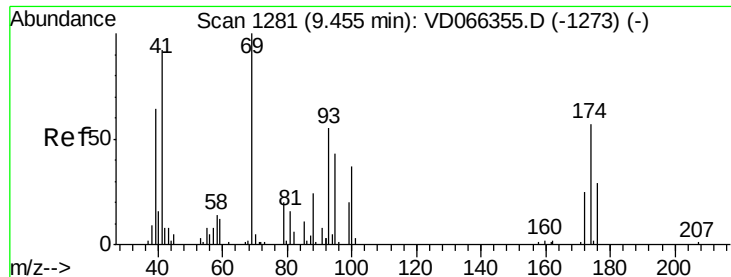
Delta R.T. -0.01 min

Lab File: VD066454.D

Acq: 28 Aug 2020 12:37

Tgt Ion:	41	Resp:	14924
Ion	Ratio	Lower	Upper
41	100		
69	80.0	75.5	113.3
39	73.1	57.0	85.4





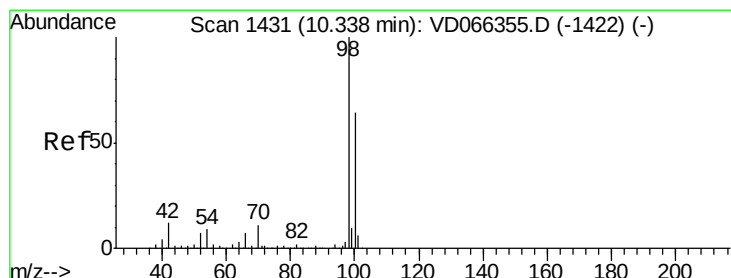
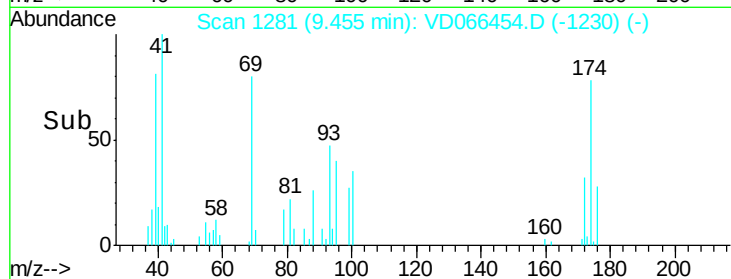
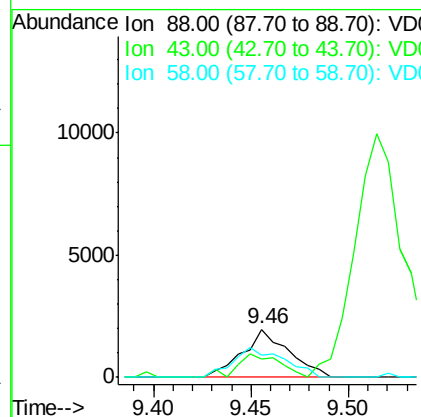
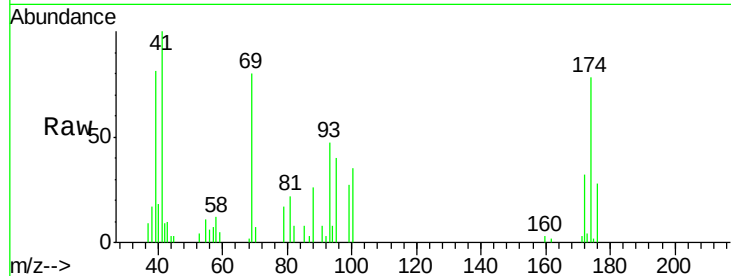
#49
1,4-Dioxane
Concen: 356.673 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.00 min
Lab File: VD066454.D
Acq: 28 Aug 2020 12:37

Instrument :
MSVOA_D
ClientSampleId :
VD0828SBS01

Tot Ion	Ratio	Resp	Lower	Upper
88	100	3232		
43	44.4	29.4	44.0	#
58	67.3	45.4	68.2	

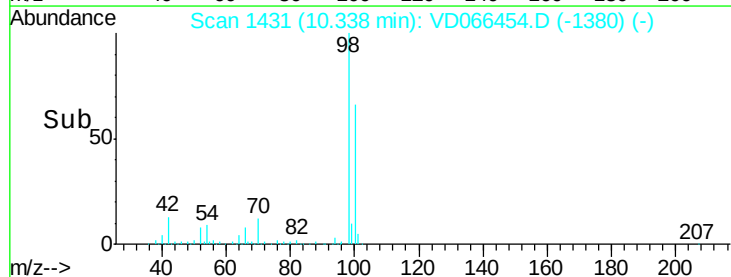
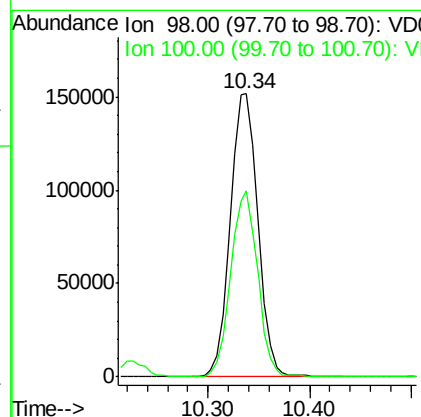
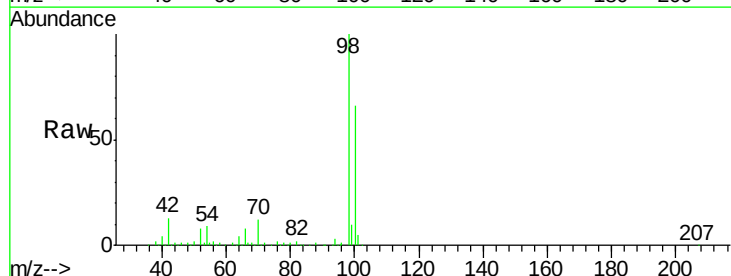
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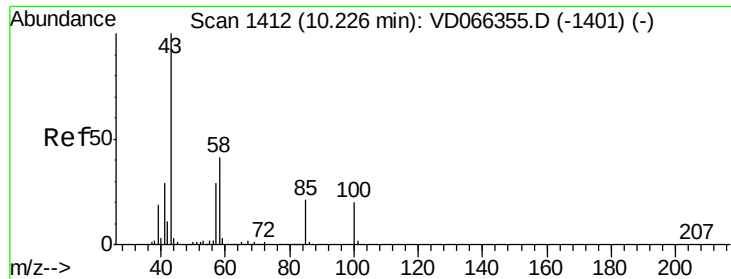
MMDadoda
8/31/2020 11:58:41 AM



#50
Toluene-d8
Concen: 54.359 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066454.D
Acq: 28 Aug 2020 12:37

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	286463		
100	64.1	53.0	79.4	





#51

4-Methyl-2-Pentanone

Concen: 91.125 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. 0.00 min

Lab File: VD066454.D

Acq: 28 Aug 2020 12:37

Instrument :

MSVOA_D

ClientSampleID :

VD0828SBS01

Tot Ion: 43 Resp: 63245

Ion Ratio Lower Upper

43 100

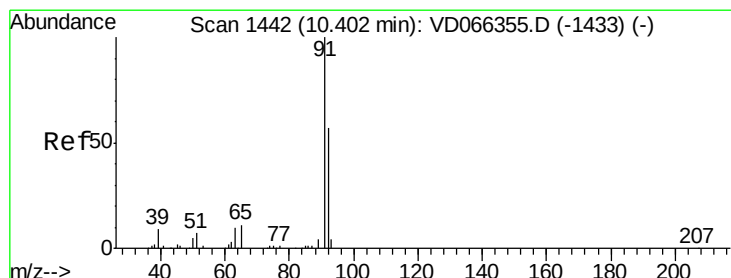
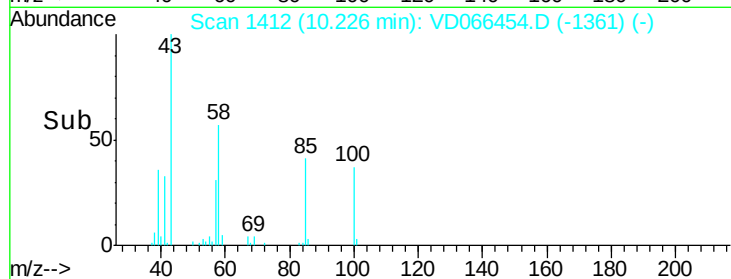
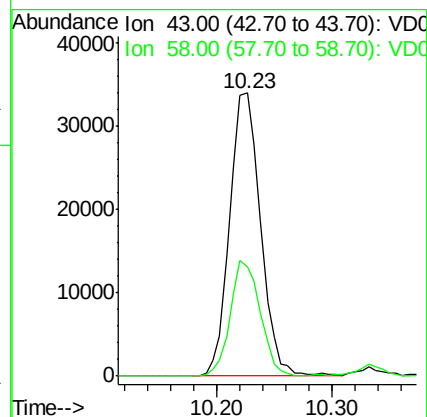
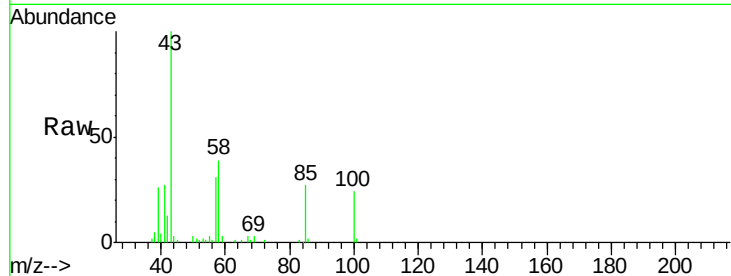
58 39.1 31.4 47.2

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#52

Toluene

Concen: 20.131 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD066454.D

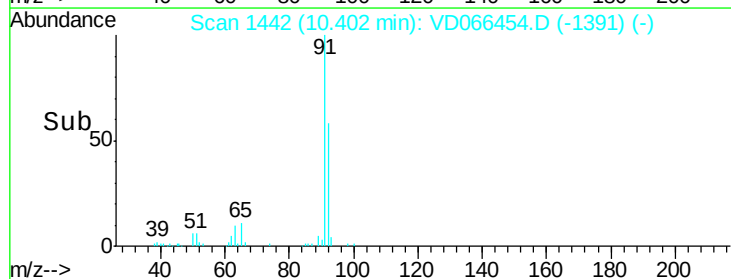
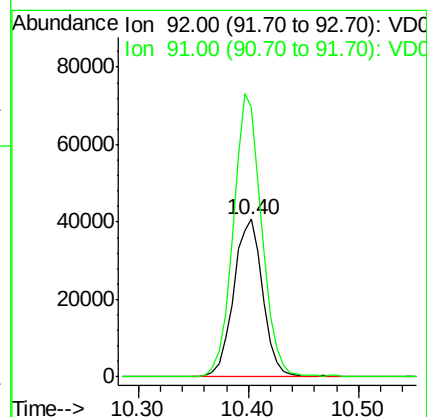
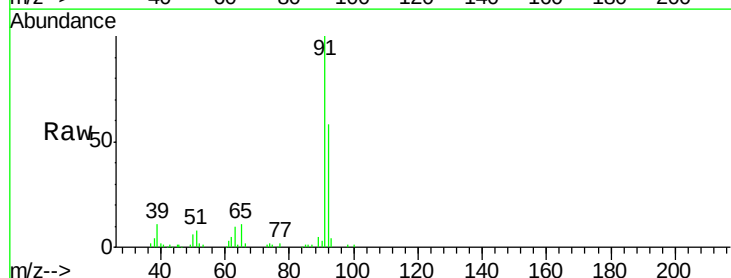
Acq: 28 Aug 2020 12:37

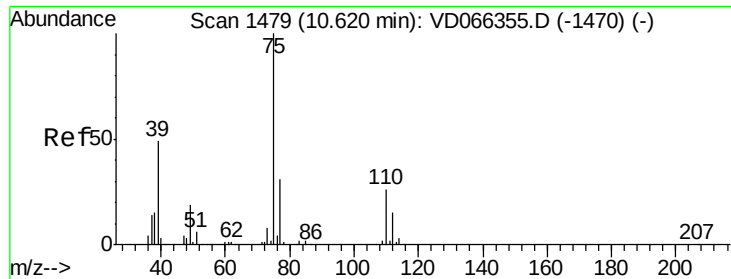
Tgt Ion: 92 Resp: 75406

Ion Ratio Lower Upper

92 100

91 174.6 135.8 203.6





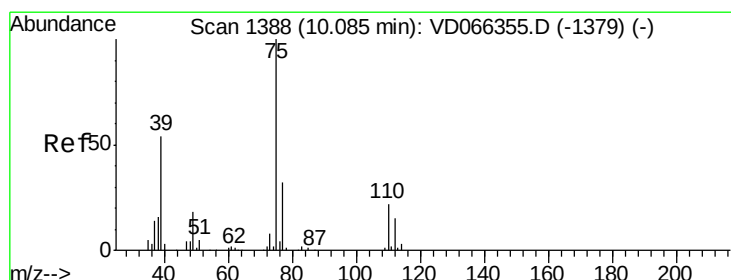
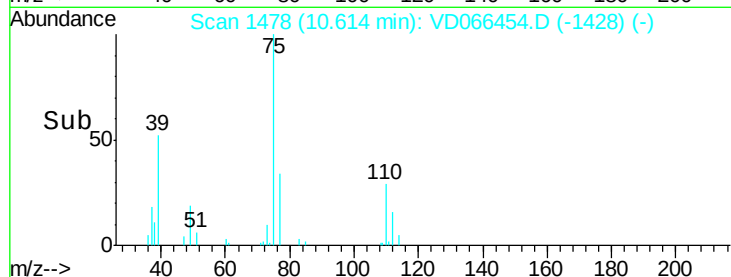
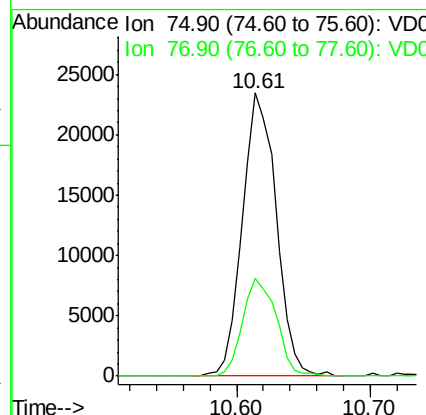
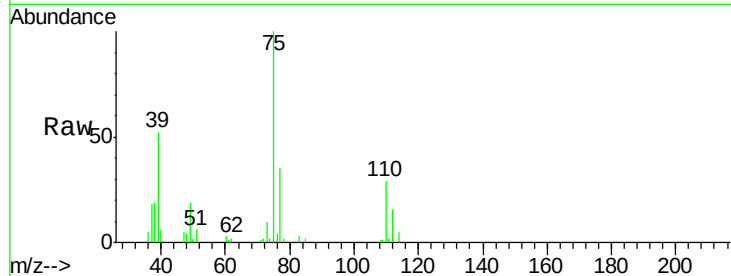
#53
 t-1,3-Dichloropropene
 Concen: 20.228 ug/l
 RT: 10.61 min Scan# 1478
 Delta R.T. -0.01 min
 Lab File: VD066454.D
 Acq: 28 Aug 2020 12:37

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0828SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	34.6	24.5	36.7

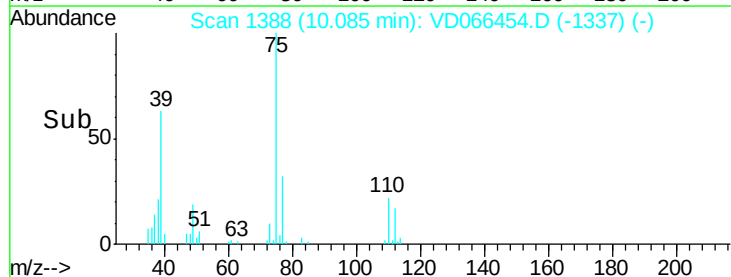
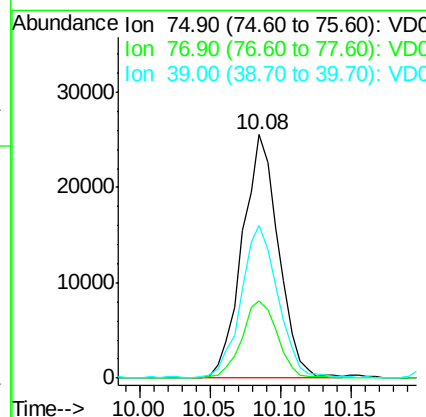
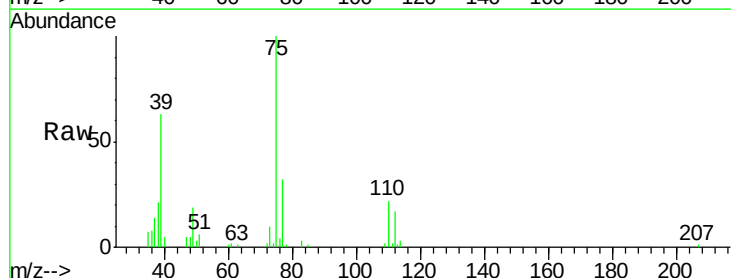
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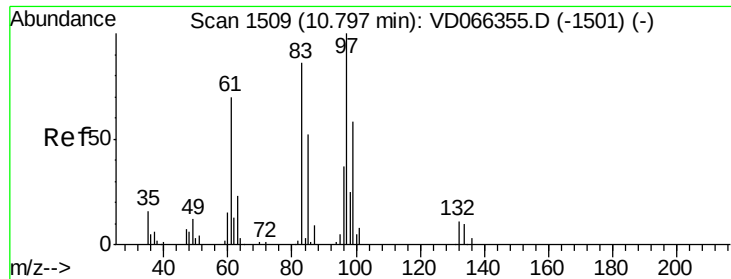
MMDadoda
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#54
 cis-1,3-Dichloropropene
 Concen: 20.165 ug/l
 RT: 10.08 min Scan# 1388
 Delta R.T. 0.00 min
 Lab File: VD066454.D
 Acq: 28 Aug 2020 12:37

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.6	38.4
39	62.6	43.4	65.0





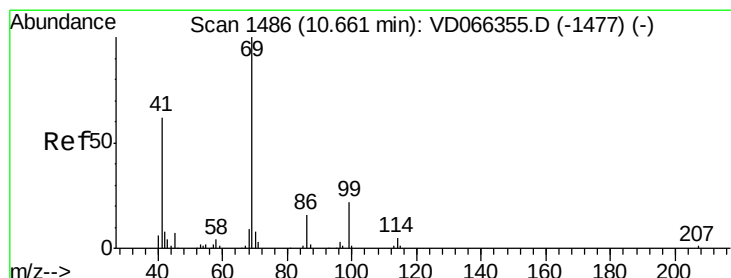
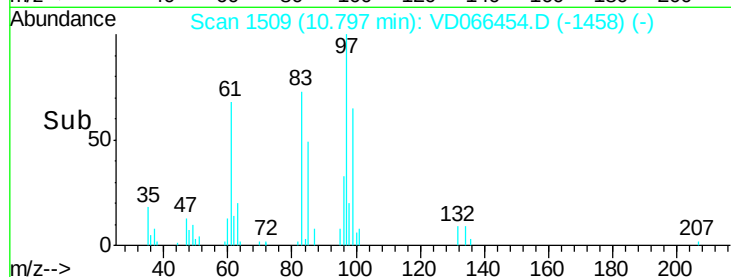
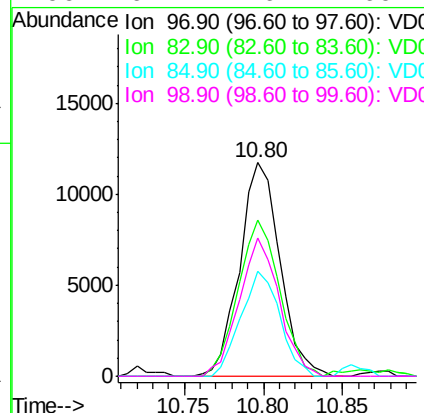
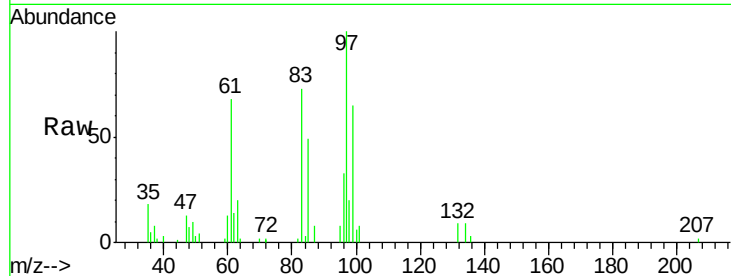
#55
 1,1,2-Trichloroethane
 Concen: 19.630 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.00 min
 Lab File: VD066454.D
 Acq: 28 Aug 2020 12:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0828SBSD01

Tot Ion:	97	Resp:	20738
Ion	Ratio	Lower	Upper
97	100		
83	73.2	68.4	102.6
85	49.3	41.3	61.9
99	64.7	46.1	69.1

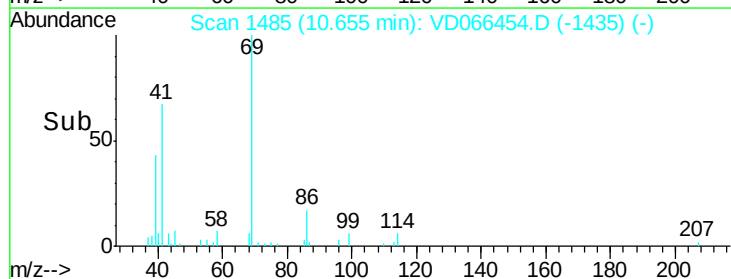
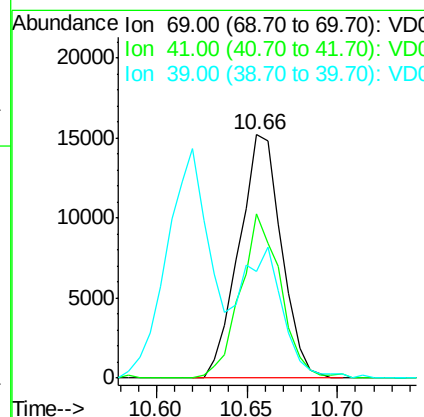
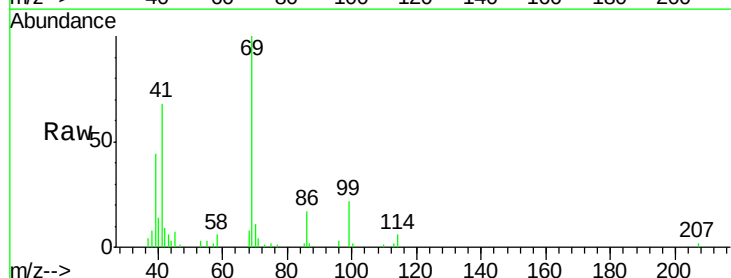
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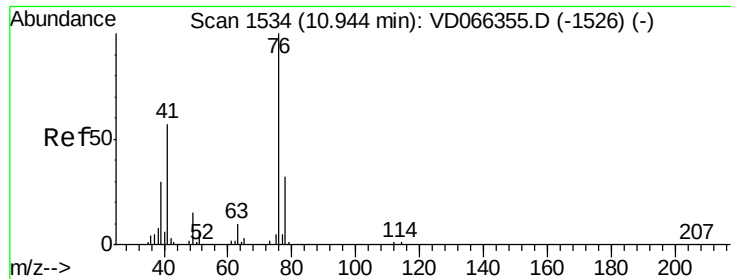
MMDadoda
 8/31/2020 11:58:41 AM



#56
 Ethyl methacrylate
 Concen: 20.194 ug/l
 RT: 10.66 min Scan# 1485
 Delta R.T. -0.01 min
 Lab File: VD066454.D
 Acq: 28 Aug 2020 12:37

Tgt Ion:	69	Resp:	24697
Ion	Ratio	Lower	Upper
69	100		
41	64.3	50.8	76.2
39	53.4	32.9	49.3#





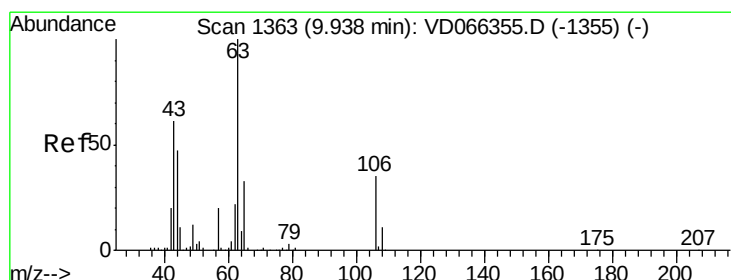
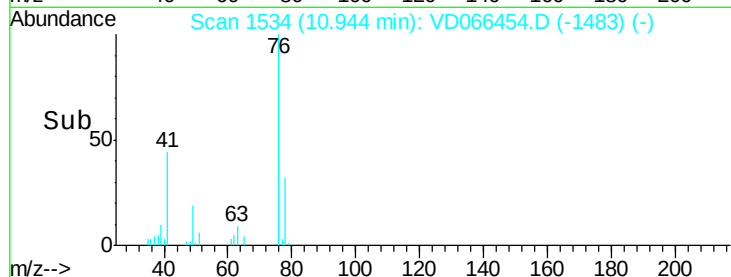
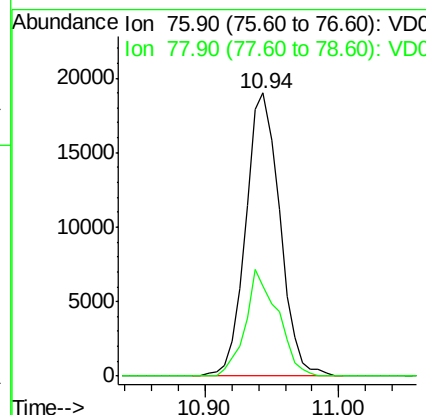
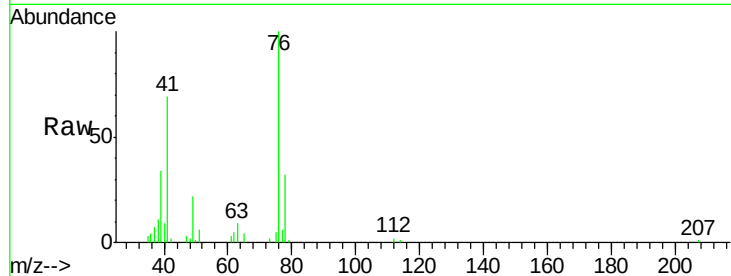
#57
 1,3-Dichloropropane
 Concen: 19.127 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VD066454.D
 Acq: 28 Aug 2020 12:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0828SBSD01

Tot Ion: 76 Resp: 33425
 Ion Ratio Lower Upper
 76 100
 78 35.9 25.6 38.4

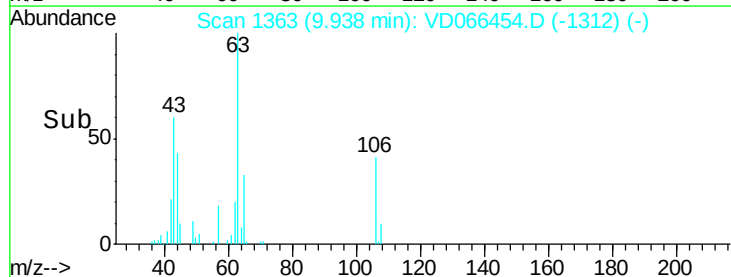
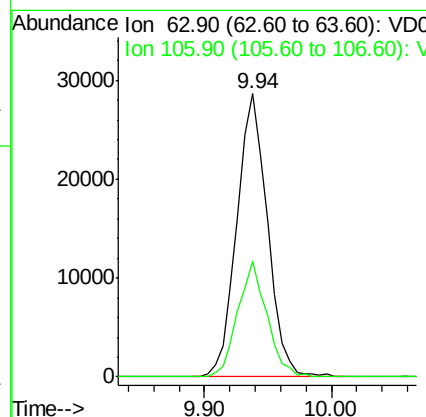
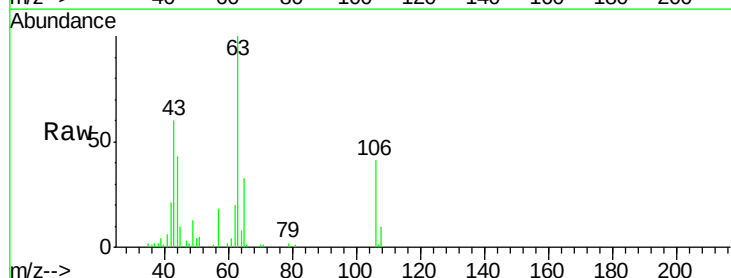
Manual Integrations
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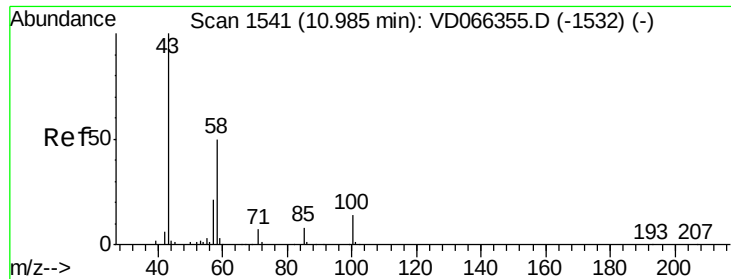
MMDadoda
 8/31/2020 11:58:41 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 94.216 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VD066454.D
 Acq: 28 Aug 2020 12:37

Tgt Ion: 63 Resp: 47856
 Ion Ratio Lower Upper
 63 100
 106 39.0 27.1 40.7





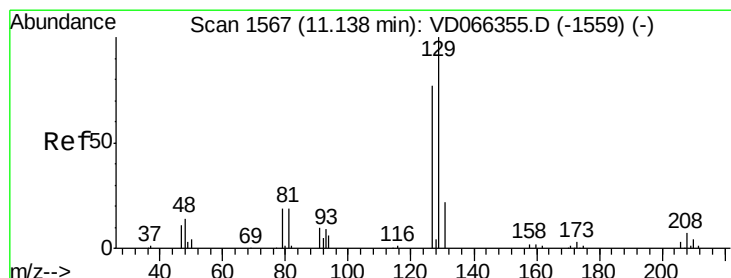
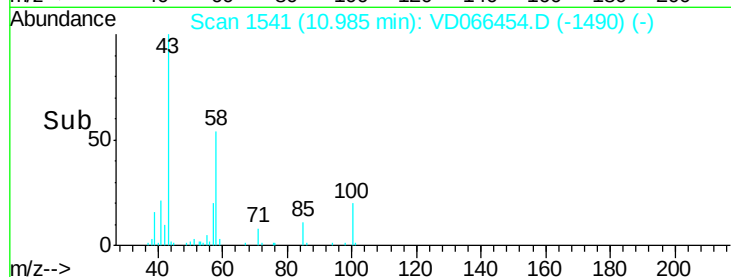
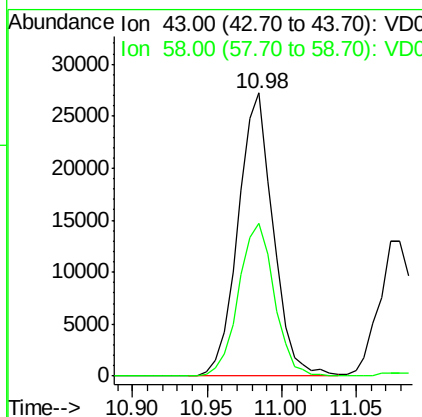
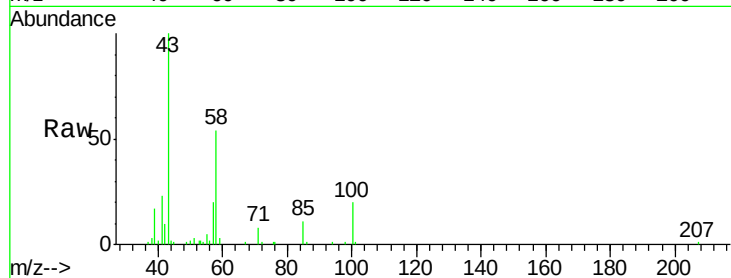
#59
2-Hexanone
Concen: 90.619 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD066454.D
Acq: 28 Aug 2020 12:37

Instrument :
MSVOA_D
ClientSampleId :
VD0828SBSD01

Tot Ion: 43 Resp: 44363
Ion Ratio Lower Upper
43 100
58 55.0 26.3 78.8

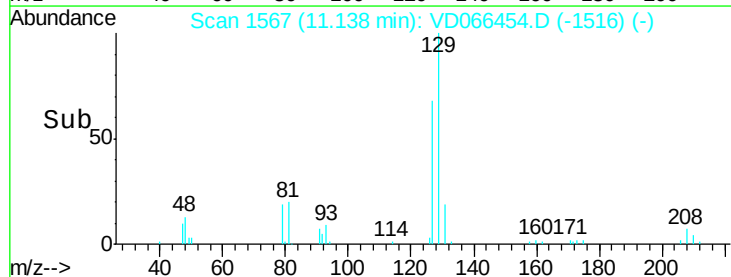
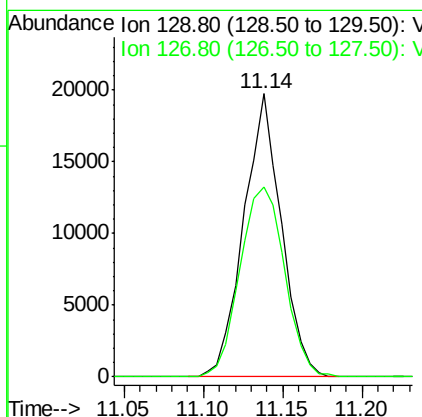
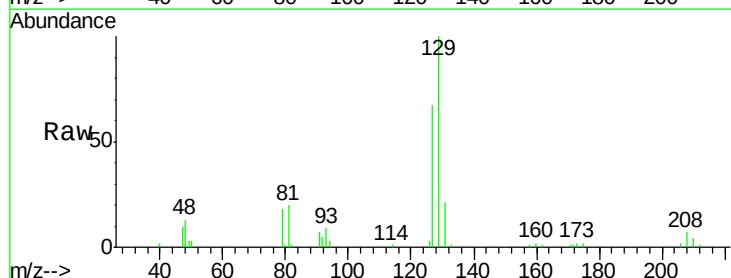
Manual Integrations
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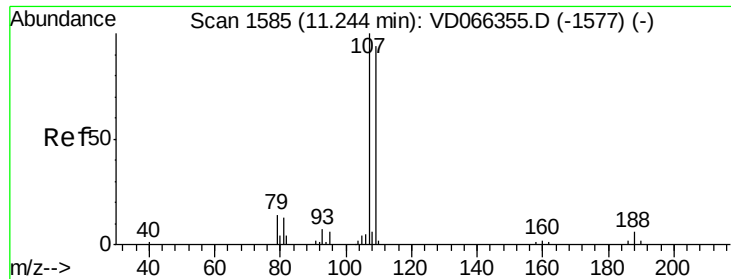
MMDadoda
8/31/2020 11:58:41 AM



#60
Dibromochloromethane
Concen: 20.455 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VD066454.D
Acq: 28 Aug 2020 12:37

Tgt Ion: 129 Resp: 32573
Ion Ratio Lower Upper
129 100
127 79.7 39.0 117.0





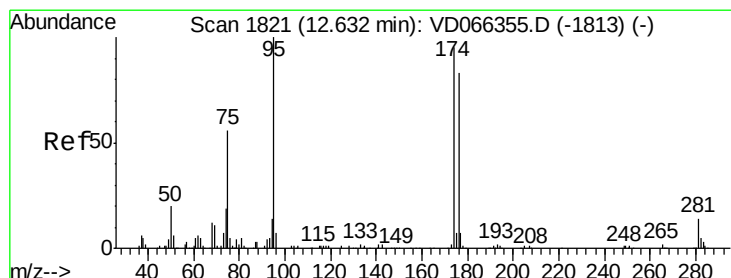
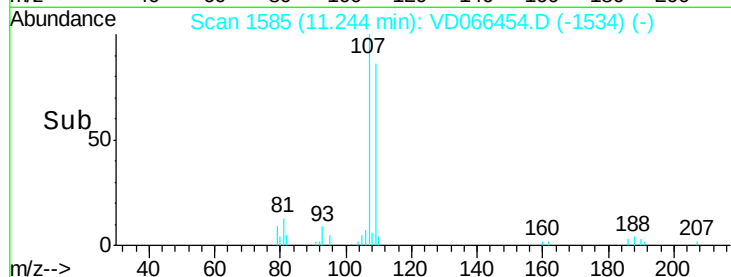
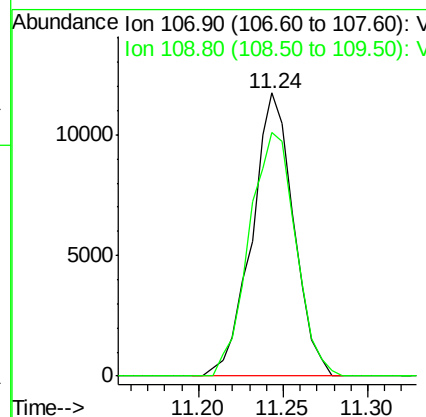
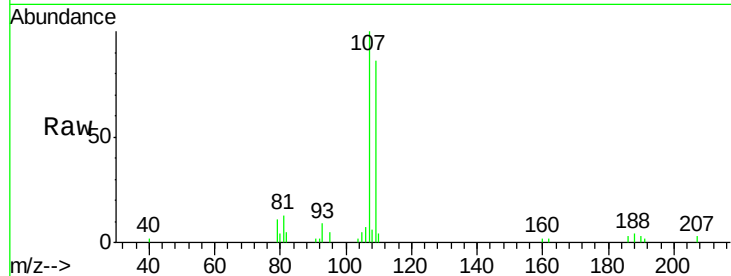
#61
 1,2-Dibromoethane
 Concen: 19.327 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. 0.00 min
 Lab File: VD066454.D
 Acq: 28 Aug 2020 12:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0828SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.0	77.8	116.8

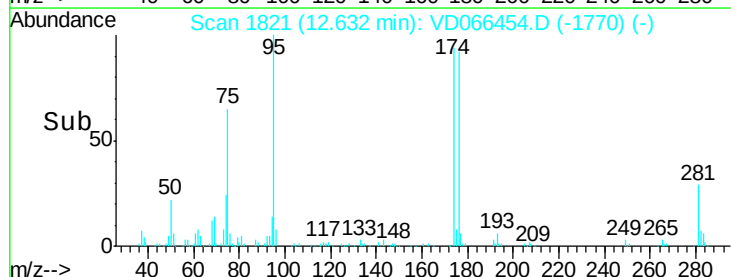
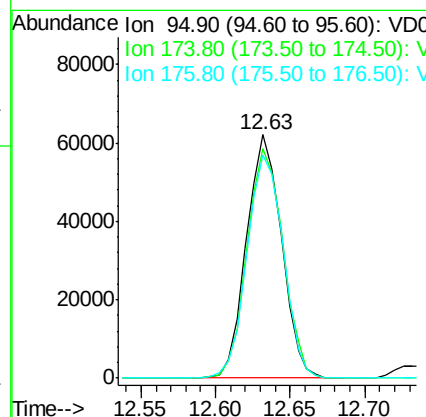
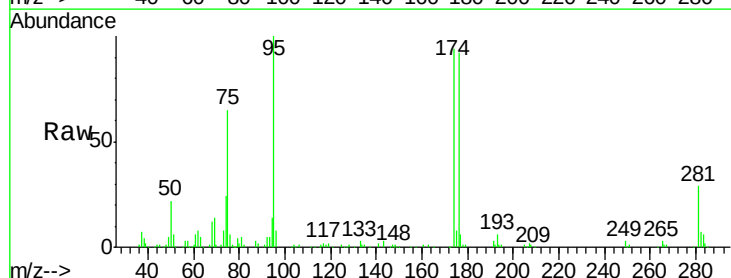
Manual Integrations
 APPROVED

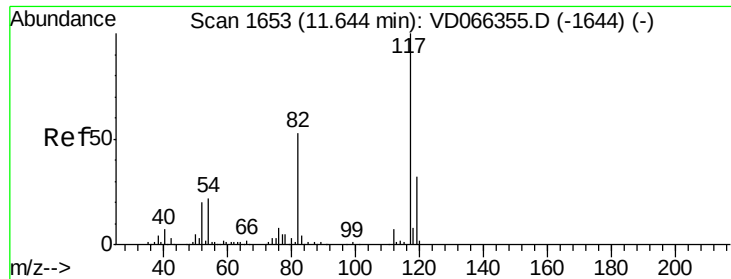
MMDadoda
 8/31/2020 11:58:41 AM



#62
 4-Bromofluorobenzene
 Concen: 53.958 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD066454.D
 Acq: 28 Aug 2020 12:37

Tgt Ion	Ratio	Lower	Upper
95	100		
174	96.6	0.0	183.4
176	94.5	0.0	173.8





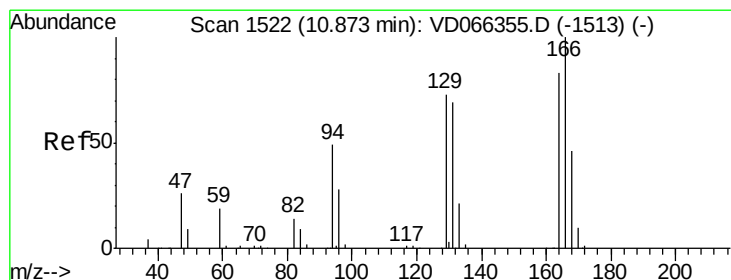
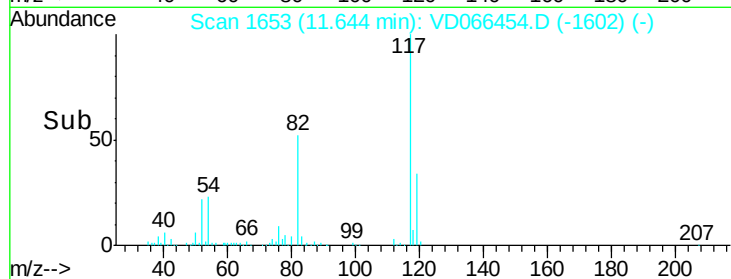
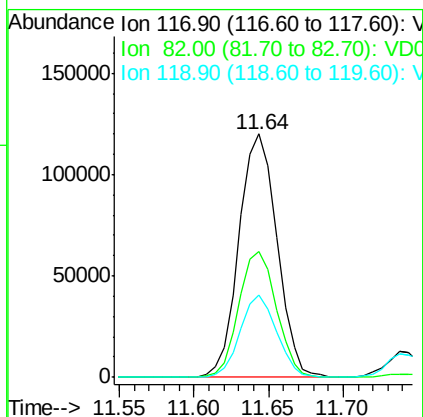
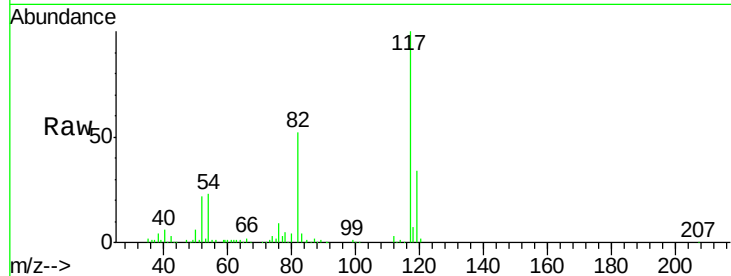
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066454.D
Acq: 28 Aug 2020 12:37

Instrument :
MSVOA_D
ClientSampleId :
VD0828SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	212782		
82	51.6	42.8	64.2	
119	33.6	25.8	38.8	

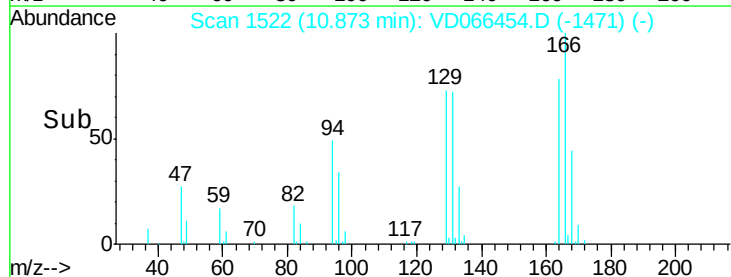
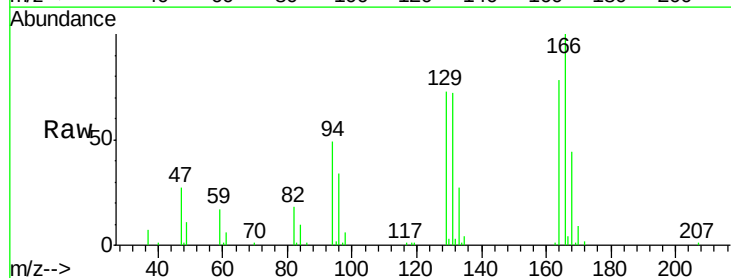
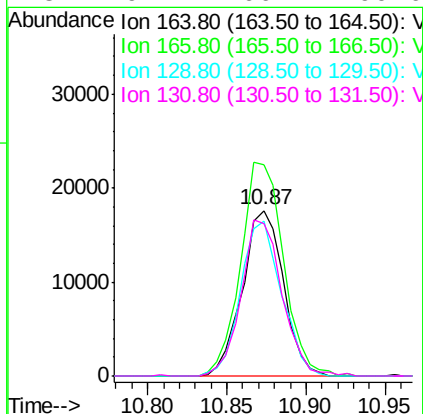
Manual Integrations
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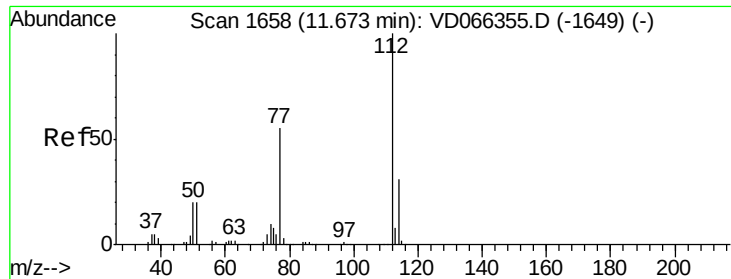
MMDadoda
8/31/2020 11:58:41 AM



#64
Tetrachloroethene
Concen: 19.742 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VD066454.D
Acq: 28 Aug 2020 12:37

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	31866		
166	127.5	96.2	144.4	
129	93.3	70.3	105.5	
131	92.1	66.4	99.6	





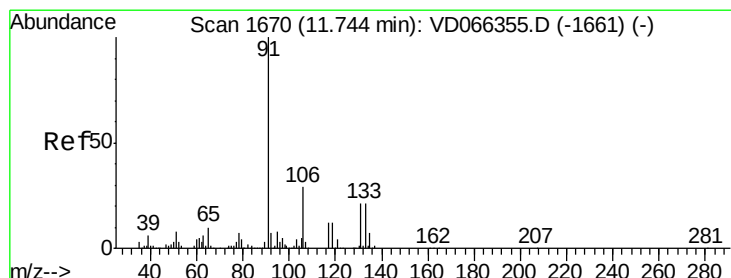
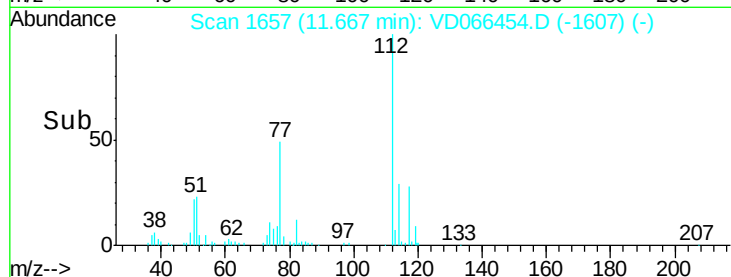
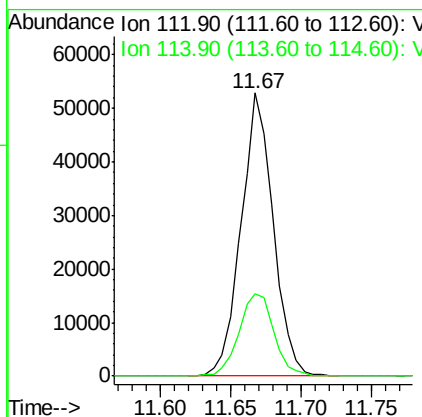
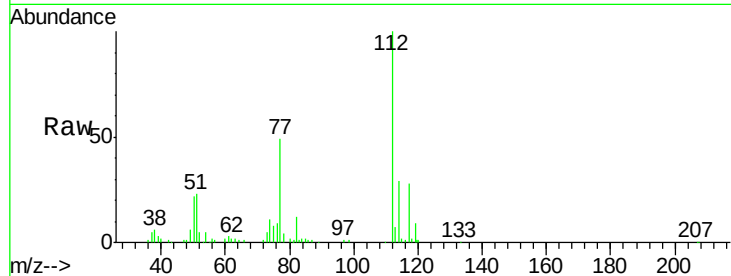
#65
Chlorobenzene
Concen: 19.939 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.01 min
Lab File: VD066454.D
Acq: 28 Aug 2020 12:37

Instrument :
MSVOA_D
ClientSampleId :
VD0828SBSD01

Tot Ion:112 Resp: 84407
Ion Ratio Lower Upper
112 100
114 29.0 25.1 37.7

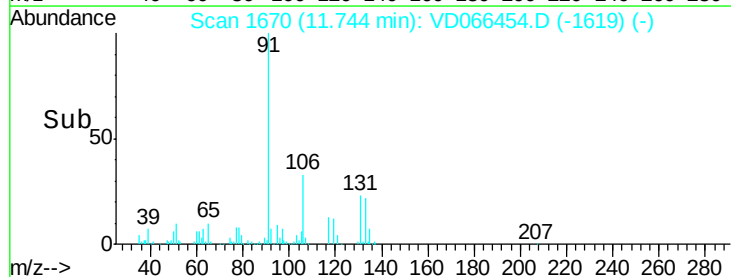
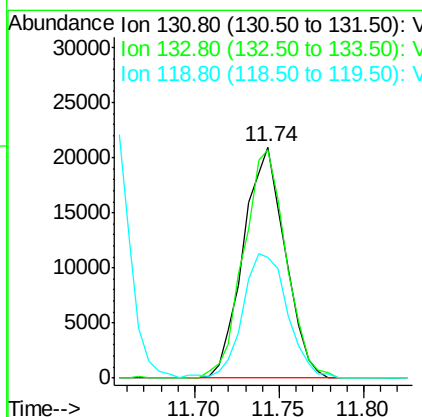
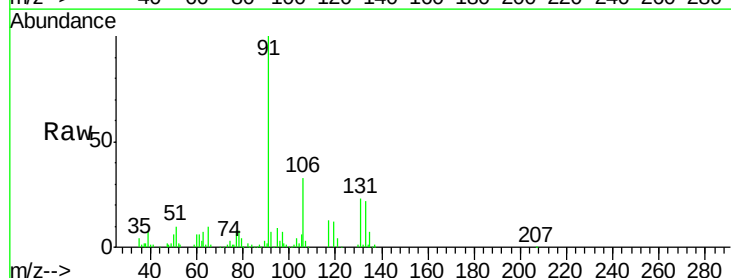
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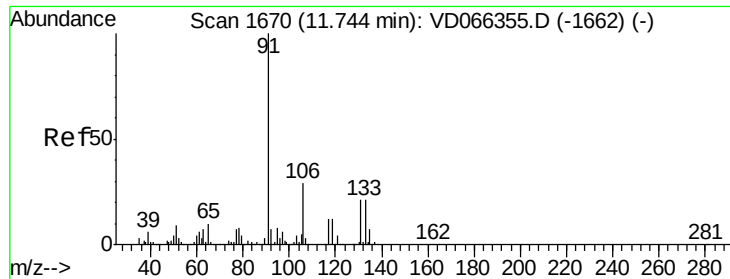
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.783 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066454.D
Acq: 28 Aug 2020 12:37

Tgt Ion:131 Resp: 35955
Ion Ratio Lower Upper
131 100
133 100.3 48.6 145.9
119 57.8 29.0 87.1





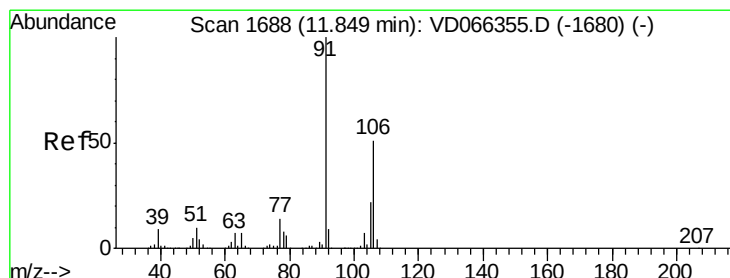
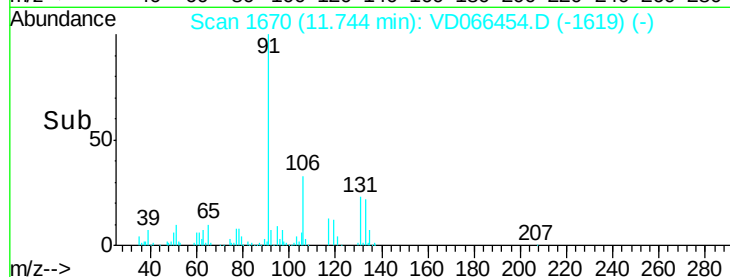
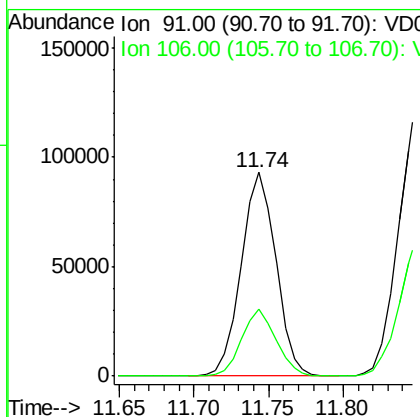
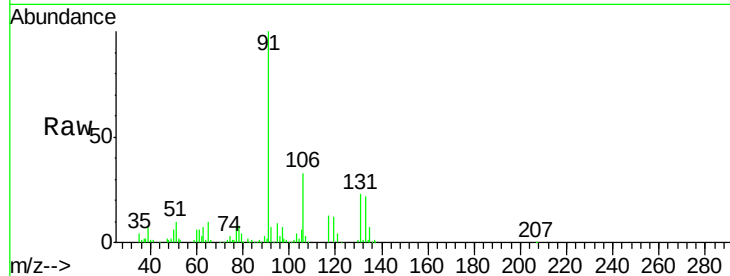
#67
Ethyl Benzene
Concen: 20.172 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066454.D
Acq: 28 Aug 2020 12:37

Instrument :
MSVOA_D
ClientSampleId :
VD0828SBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
106	32.7	23.4	35.2

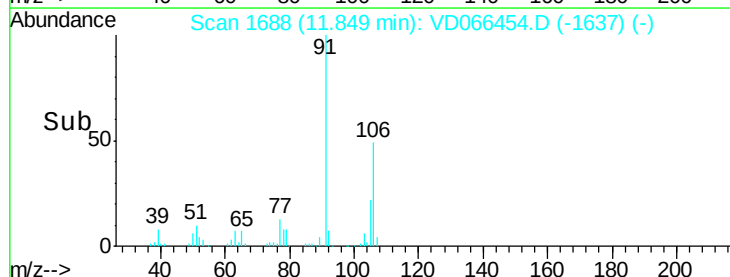
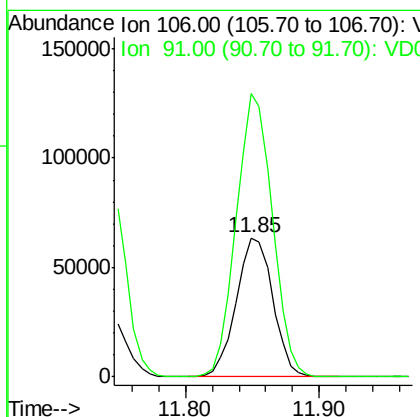
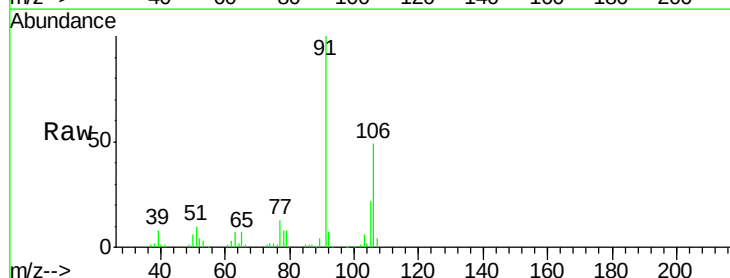
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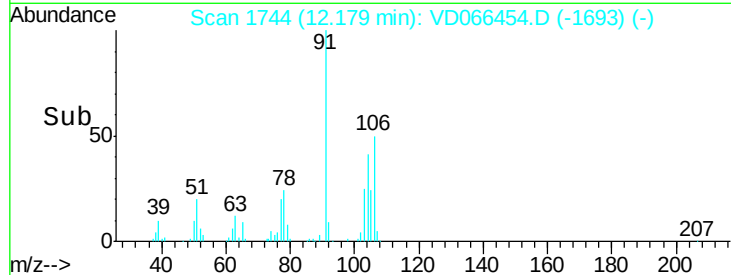
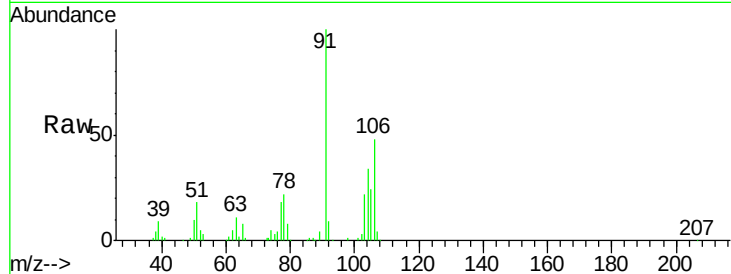
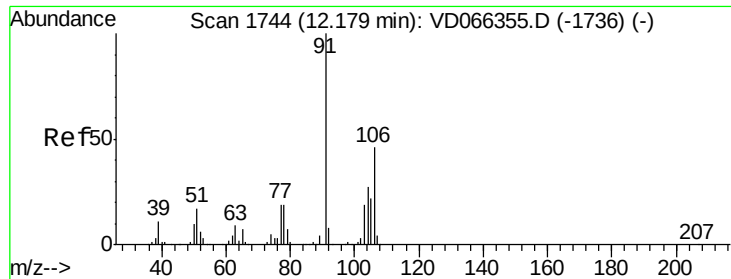
MMDadoda
8/31/2020 11:58:41 AM



#68
m/p-Xylenes
Concen: 42.418 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VD066454.D
Acq: 28 Aug 2020 12:37

Tgt Ion	Ratio	Lower	Upper
106	100		
91	202.0	160.7	241.1





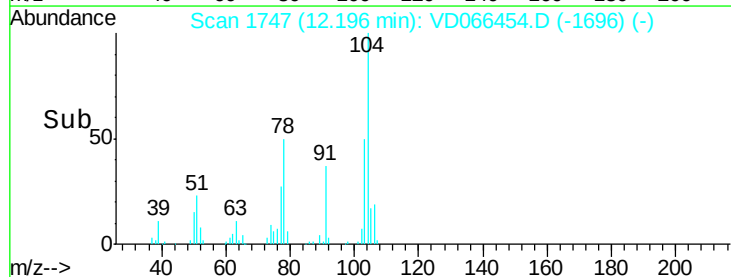
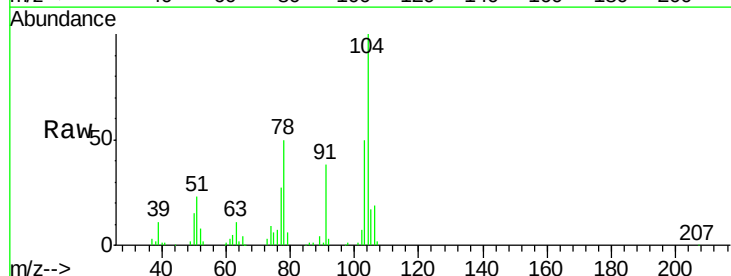
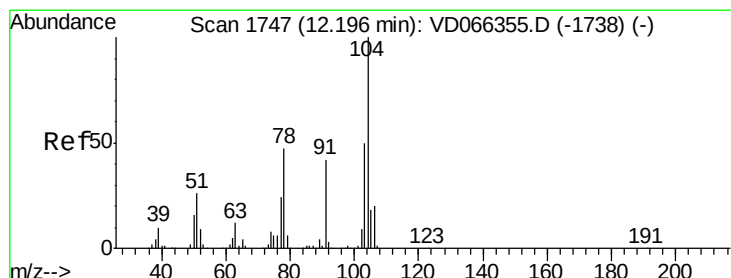
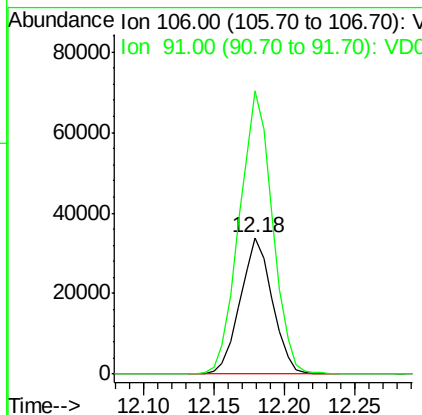
#69
o-Xylene
Concen: 20.443 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.00 min
Lab File: VD066454.D
Acq: 28 Aug 2020 12:37

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		54016		
91	213.7	109.1	327.3		

Instrument :
MSVOA_D
ClientSampleId :
VD0828SBS01

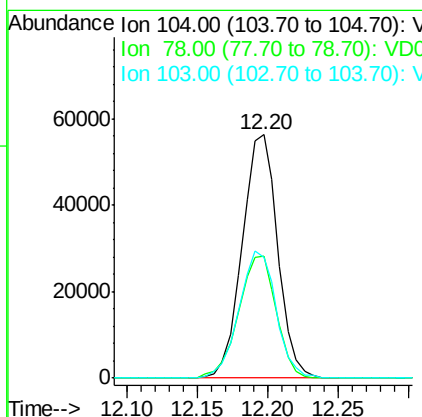
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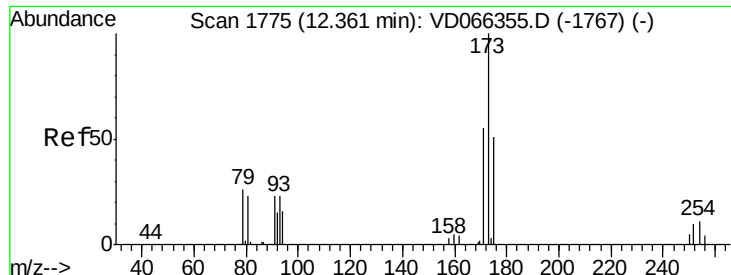
MMDadoda
8/31/2020 11:58:41 AM



#70
Styrene
Concen: 21.827 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD066454.D
Acq: 28 Aug 2020 12:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		99026		
78	53.1	41.7	62.5		
103	54.8	43.5	65.3		





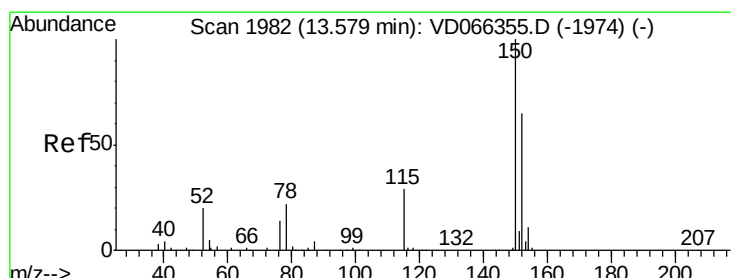
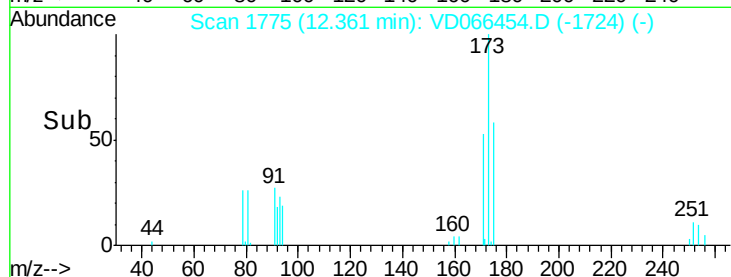
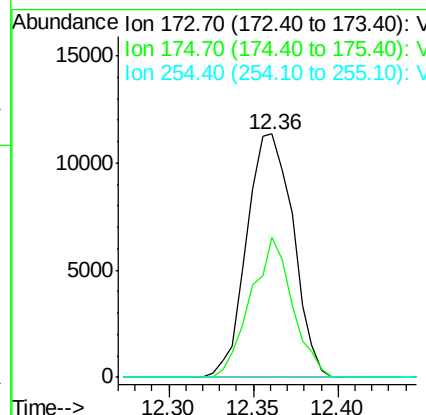
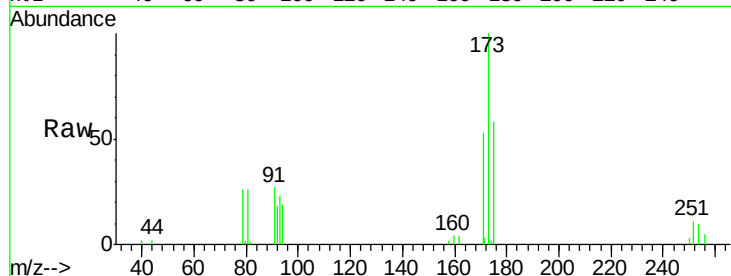
#71
Bromoform
Concen: 22.096 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. 0.00 min
Lab File: VD066454.D
Acq: 28 Aug 2020 12:37

Instrument :
MSVOA_D
ClientSampleId :
VD0828SBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	51.6	24.8	74.3
254	0.0	0.0	0.0

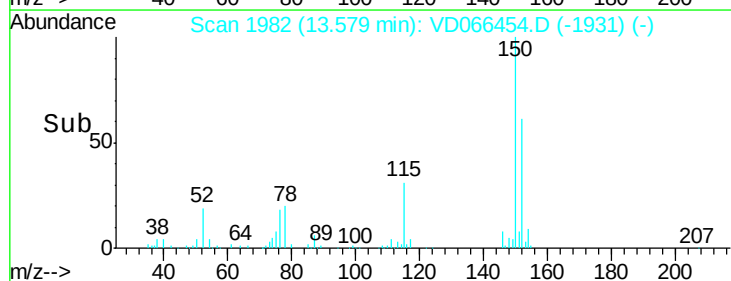
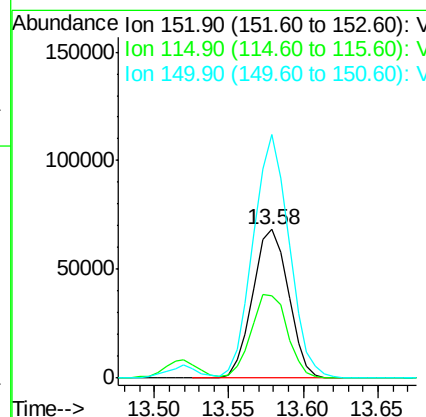
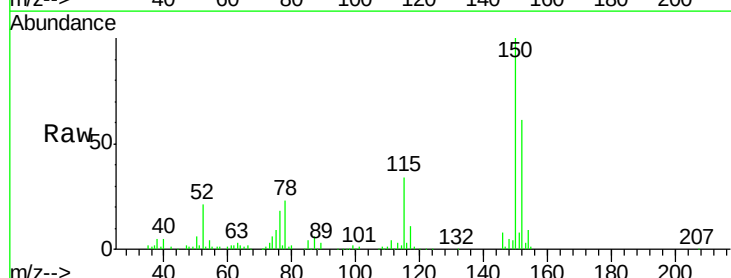
Manual Integrations
APPROVED

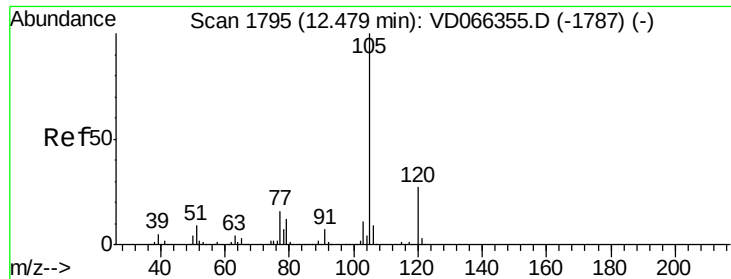
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066454.D
Acq: 28 Aug 2020 12:37

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.3	28.3	85.0
150	164.3	0.0	343.2





#73

Isopropylbenzene

Concen: 20.355 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD066454.D

Acq: 28 Aug 2020 12:37

Instrument :

MSVOA_D

ClientSampleId :

VD0828SBS01

Tot Ion: 105 Resp: 155152

Ion Ratio Lower Upper

105 100

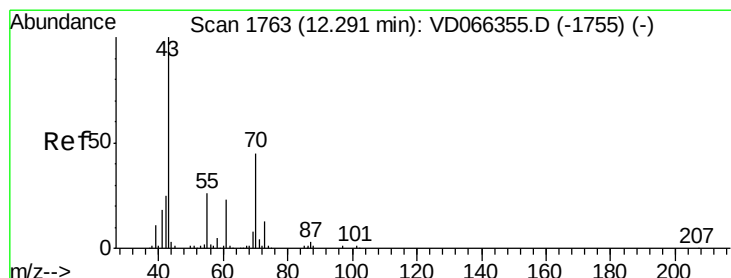
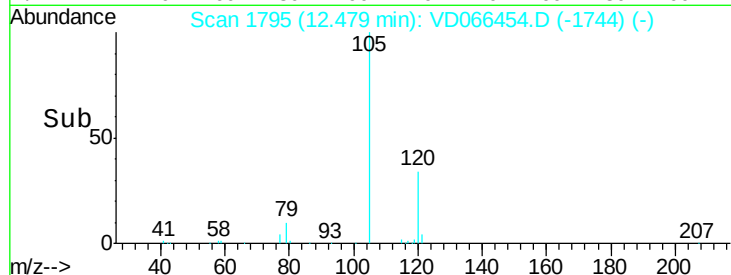
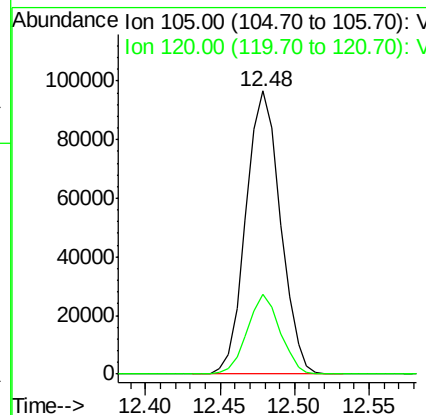
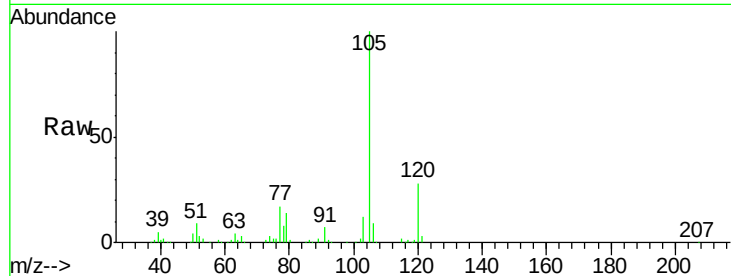
120 26.8 13.6 40.8

Manual Integrations

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#74

N-ethyl acetate

Concen: 17.314 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD066454.D

Acq: 28 Aug 2020 12:37

Tgt Ion: 43 Resp: 23836

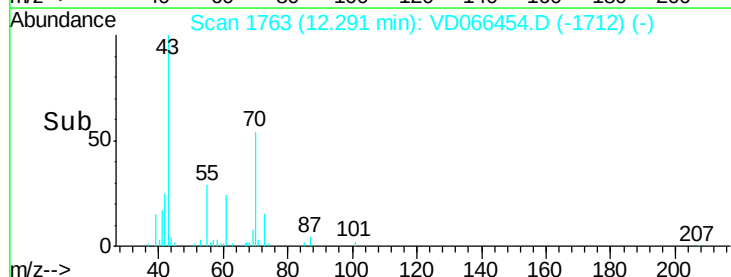
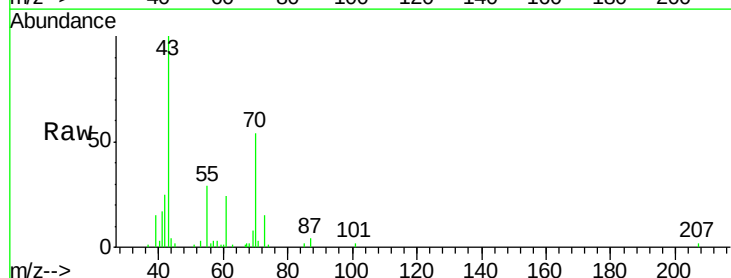
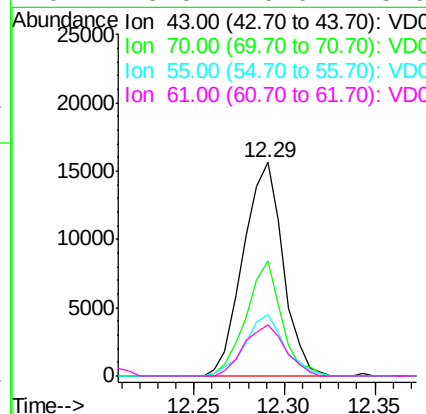
Ion Ratio Lower Upper

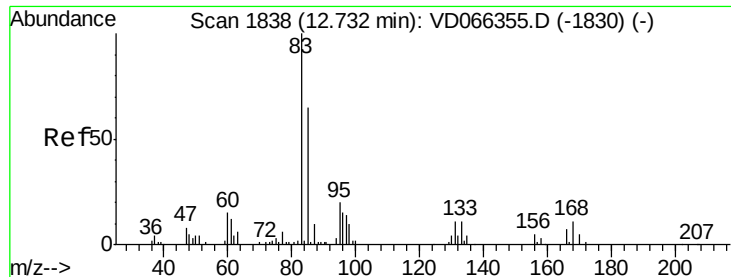
43 100

70 47.9 34.8 52.2

55 28.5 20.3 30.5

61 25.0 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 17.277 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VD066454.D

Acq: 28 Aug 2020 12:37

Instrument :

MSVOA_D

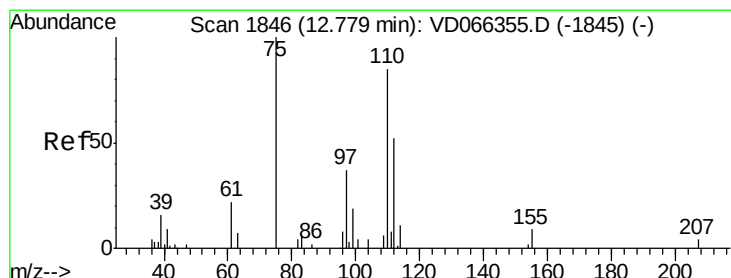
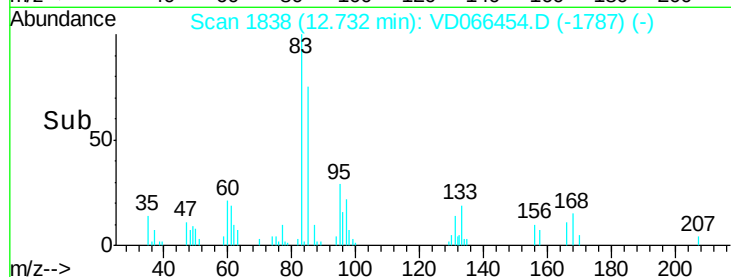
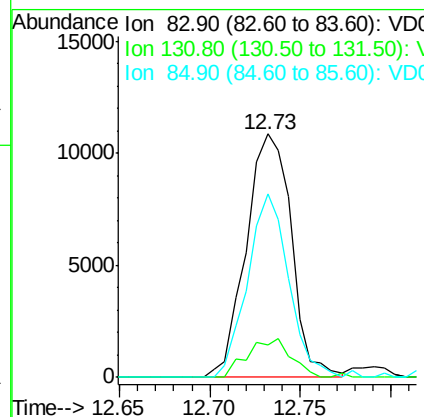
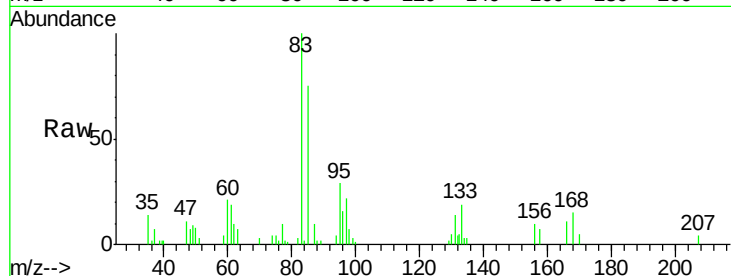
ClientSampleId :

VD0828SBSD01

Tot Ion:	83	Resp:	18813
Ion Ratio	Lower	Upper	
83	100		
131	15.3	7.0	20.9
85	68.5	32.4	97.0

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#76

1,2,3-Trichloropropane

Concen: 21.922 ug/l m

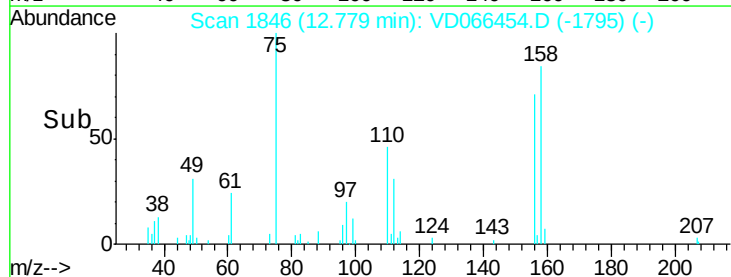
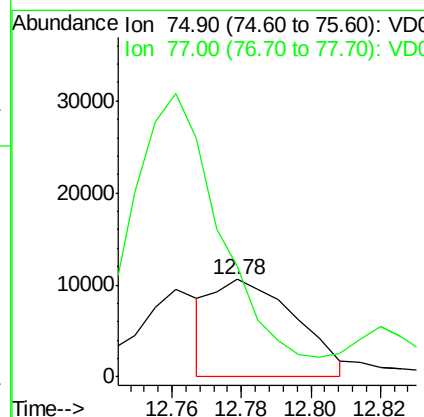
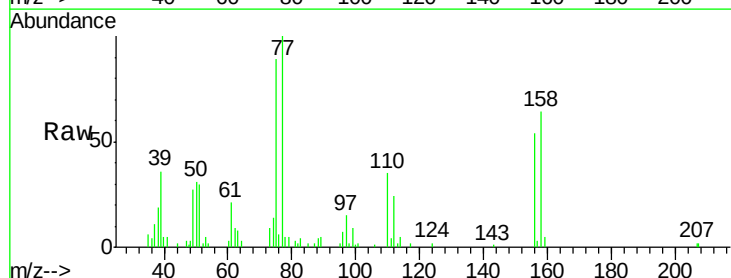
RT: 12.78 min Scan# 1846

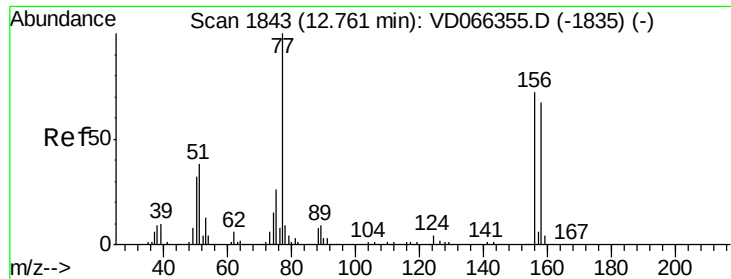
Delta R.T. -0.00 min

Lab File: VD066454.D

Acq: 28 Aug 2020 12:37

Tgt Ion:	75	Resp:	17548
Ion Ratio	Lower	Upper	
75	100		
77	325.0	182.9	548.9





#77

Bromobenzene

Concen: 20.217 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VD066454.D

Acq: 28 Aug 2020 12:37

Instrument :

MSVOA_D

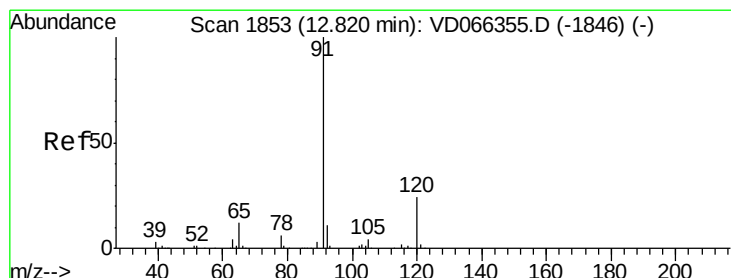
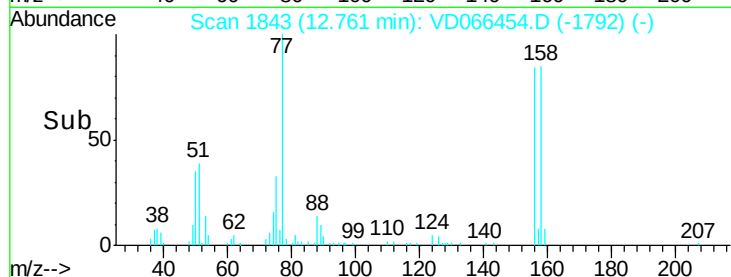
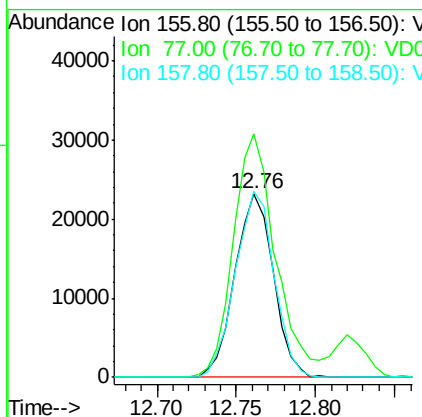
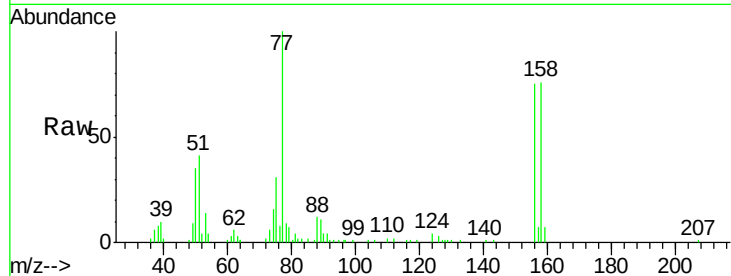
ClientSampleId :

VD0828SBS01

Tot Ion:	156	Resp:	39113
Ion	Ratio	Lower	Upper
156	100		
77	145.8	76.1	228.3
158	101.9	47.6	142.9

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#78

n-propylbenzene

Concen: 19.808 ug/l

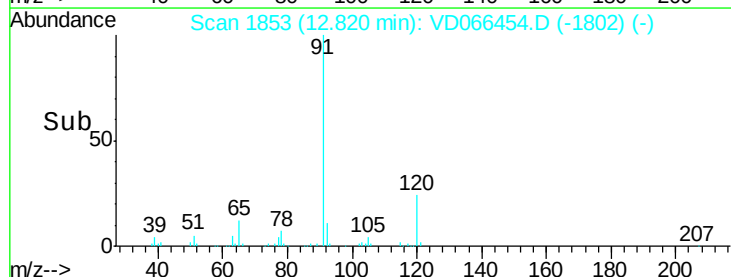
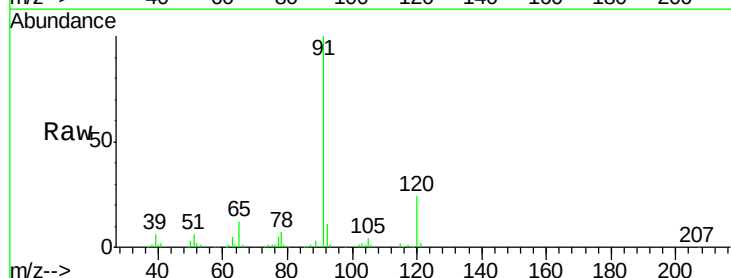
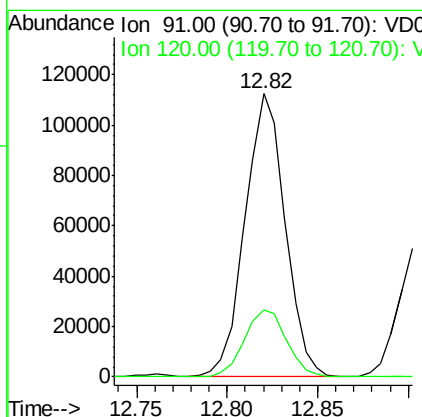
RT: 12.82 min Scan# 1853

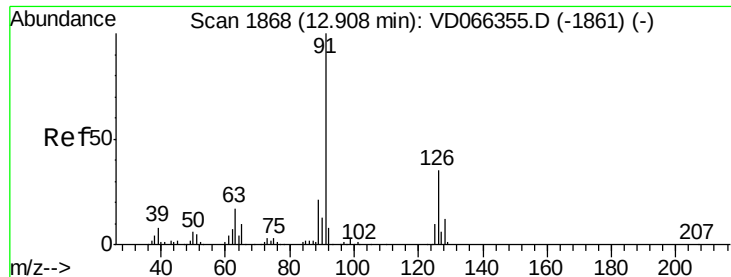
Delta R.T. 0.00 min

Lab File: VD066454.D

Acq: 28 Aug 2020 12:37

Tgt Ion:	91	Resp:	173120
Ion	Ratio	Lower	Upper
91	100		
120	24.7	12.0	36.0





#79

2-Chlorotoluene

Concen: 20.420 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VD066454.D

Acq: 28 Aug 2020 12:37

Instrument :

MSVOA_D

ClientSampleId :

VD0828SBS01

Tot Ion: 91 Resp: 101928

Ion Ratio Lower Upper

91 100

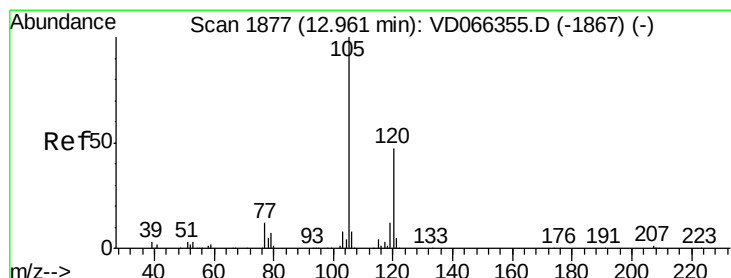
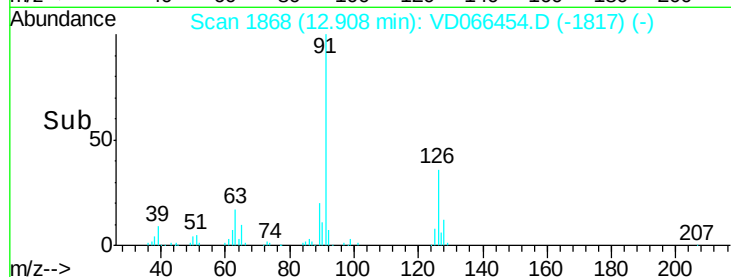
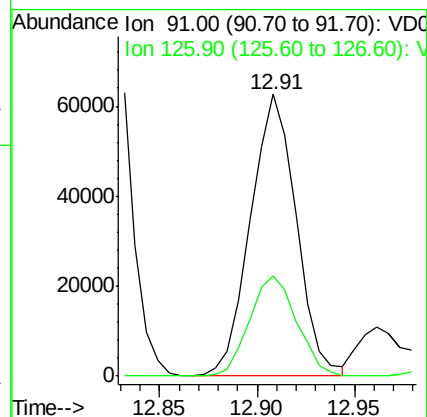
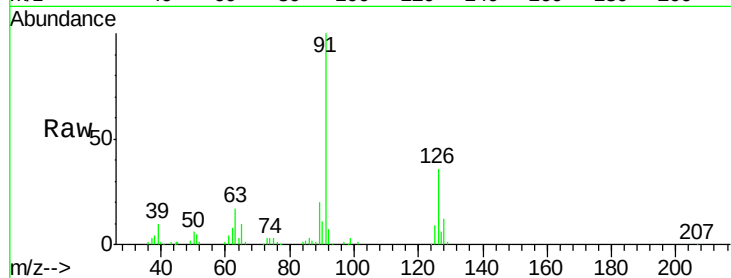
126 36.7 17.7 53.1

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#80

1,3,5-Trimethylbenzene

Concen: 20.704 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VD066454.D

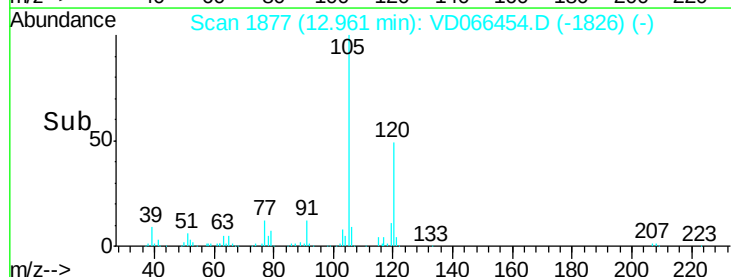
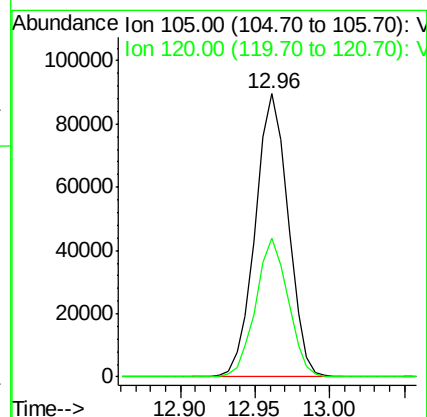
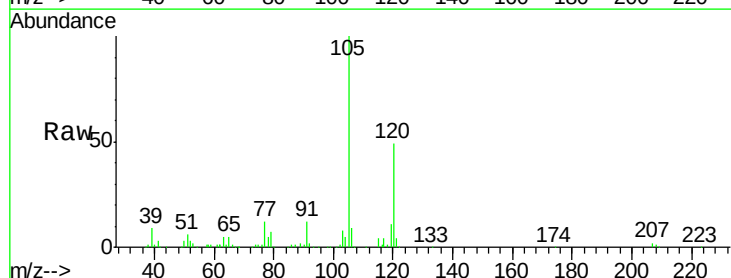
Acq: 28 Aug 2020 12:37

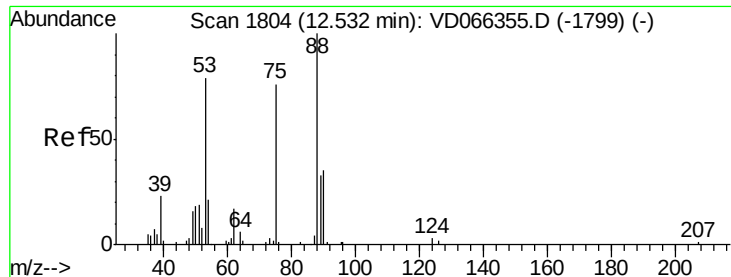
Tgt Ion:105 Resp: 136262

Ion Ratio Lower Upper

105 100

120 48.1 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 18.652 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD066454.D

Acq: 28 Aug 2020 12:37

Instrument :

MSVOA_D

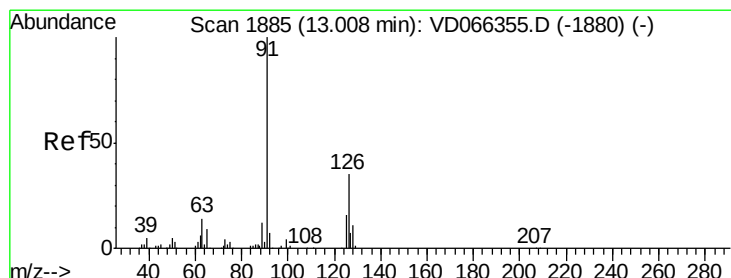
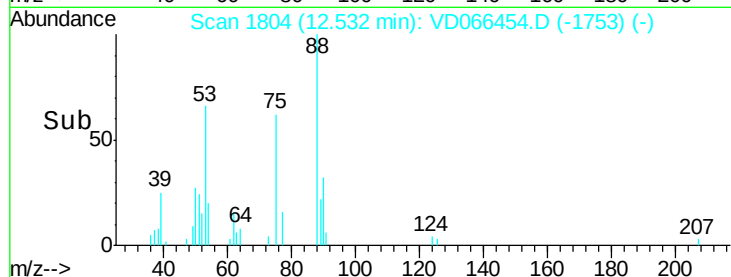
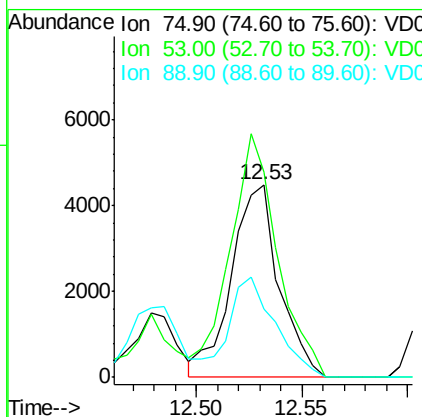
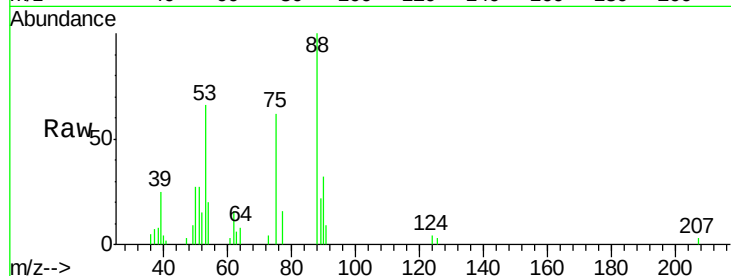
ClientSampleId :

VD0828SBS01

Tot Ion:	75	Resp:	7034
Ion	Ratio	Lower	Upper
75	100		
53	126.2	87.4	131.2
89	49.9	39.4	59.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.102 ug/l

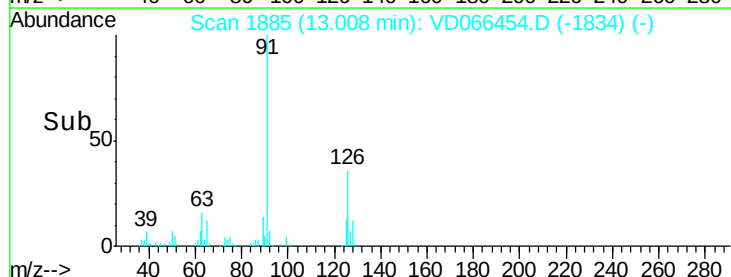
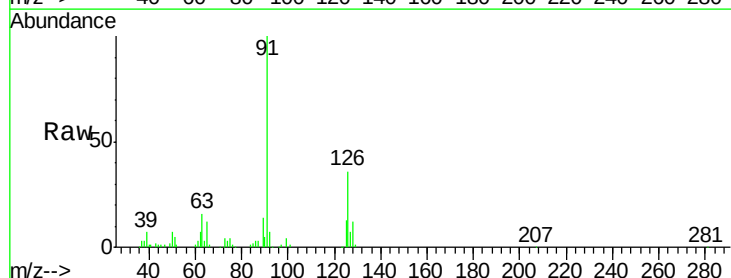
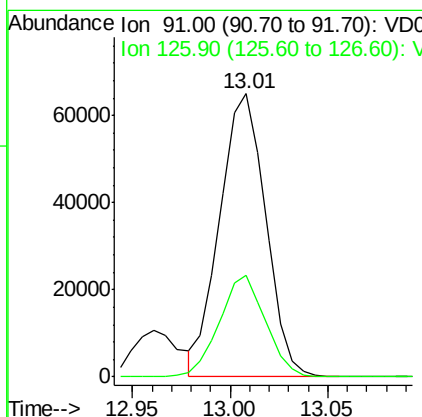
RT: 13.01 min Scan# 1885

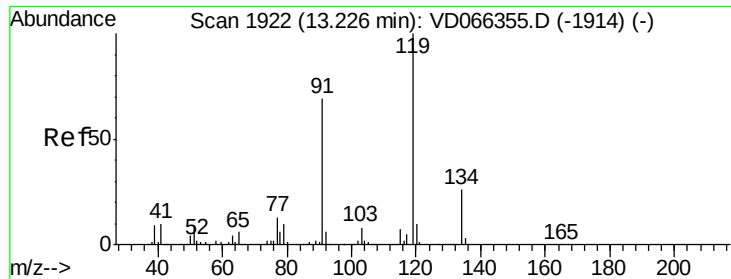
Delta R.T. -0.00 min

Lab File: VD066454.D

Acq: 28 Aug 2020 12:37

Tgt Ion:	91	Resp:	106310
Ion	Ratio	Lower	Upper
91	100		
126	35.9	17.4	52.2





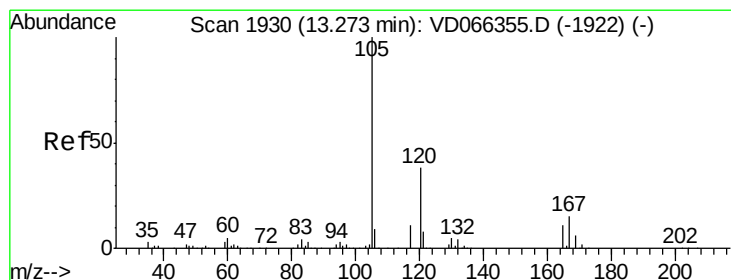
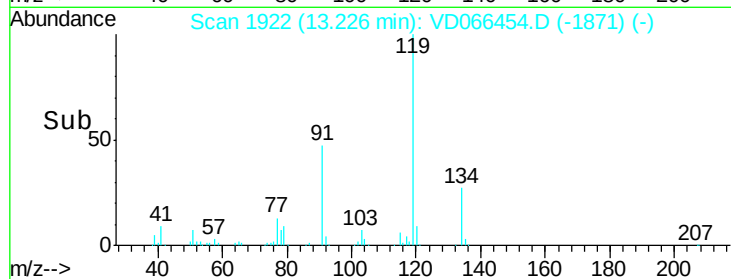
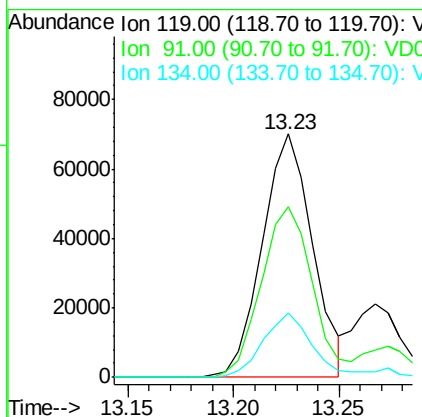
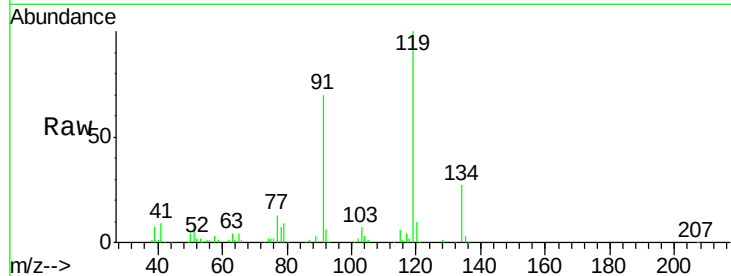
#83
 tert-Butylbenzene
 Concen: 20.333 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. -0.00 min
 Lab File: VD066454.D
 Acq: 28 Aug 2020 12:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0828SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	116234		
91	71.7	33.5	100.5	
134	25.7	13.5	40.4	

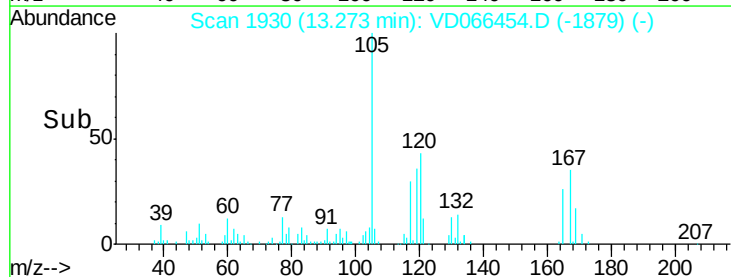
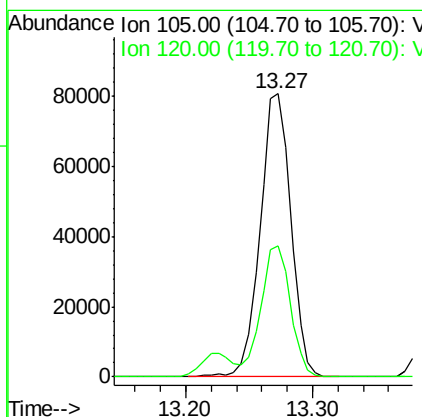
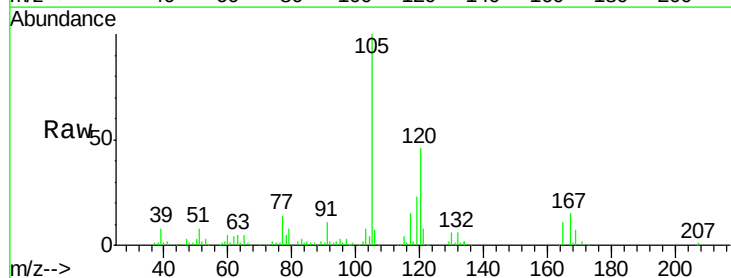
Manual Integrations
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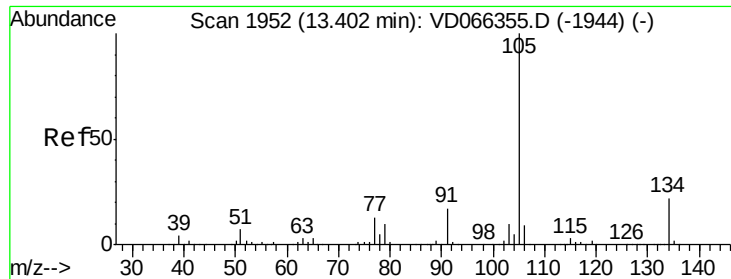
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.060 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD066454.D
 Acq: 28 Aug 2020 12:37

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	136138		
120	44.3	22.6	67.7	





#85

sec-Butylbenzene

Concen: 19.801 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VD066454.D

Acq: 28 Aug 2020 12:37

Instrument :

MSVOA_D

ClientSampleId :

VD0828SBS01

Tot Ion:105 Resp: 148303

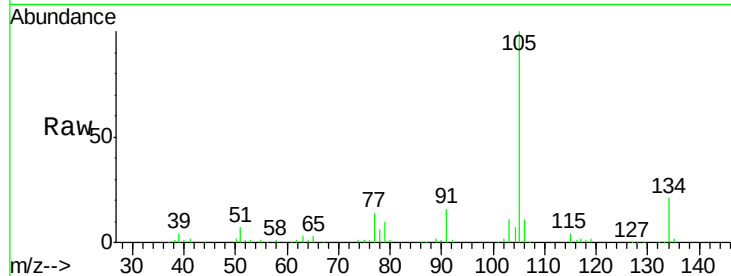
Ion Ratio Lower Upper

105 100

134 22.0 10.8 32.4

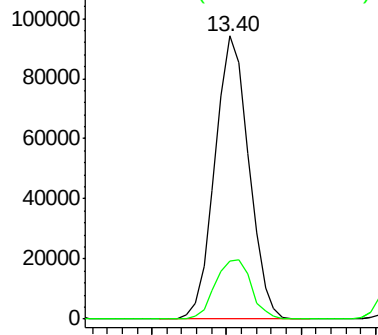
Manual Integrations
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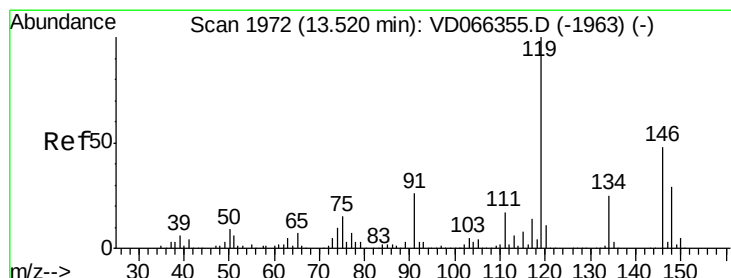
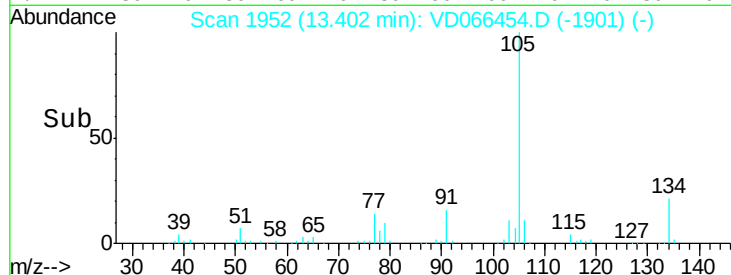


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#86

p-Isopropyltoluene

Concen: 20.867 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066454.D

Acq: 28 Aug 2020 12:37

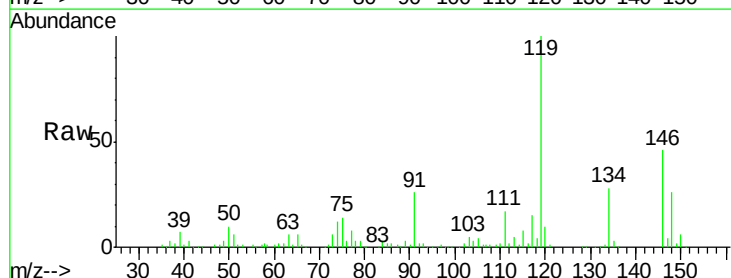
Tgt Ion:119 Resp: 150696

Ion Ratio Lower Upper

119 100

134 28.4 12.8 38.3

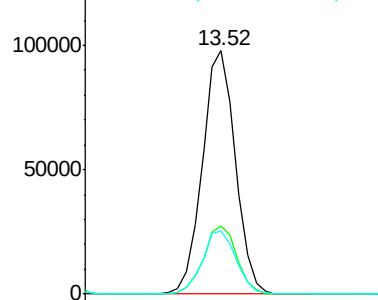
91 26.6 12.7 38.0



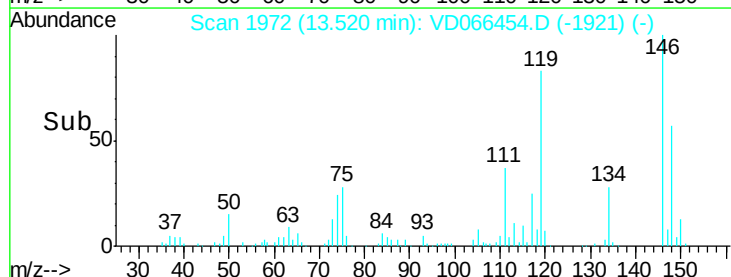
Abundance Ion 119.00 (118.70 to 119.70): V

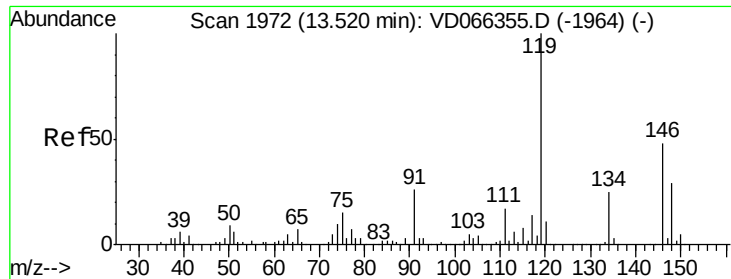
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



Time-->





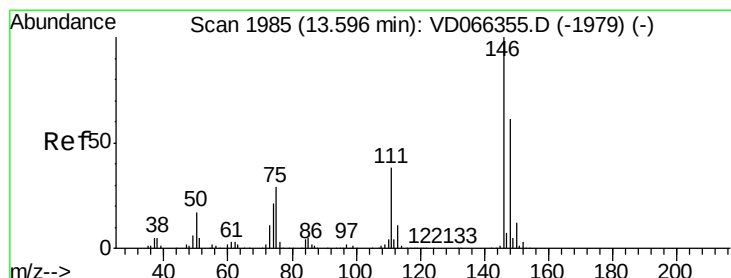
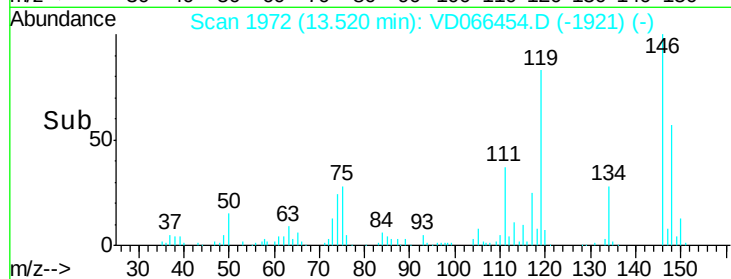
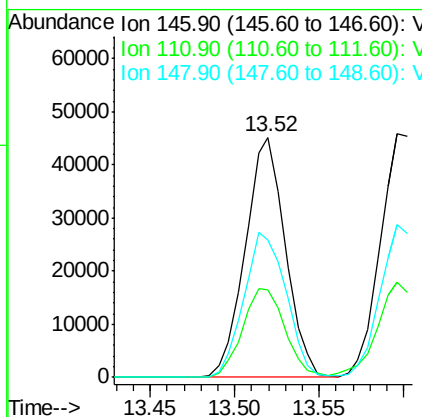
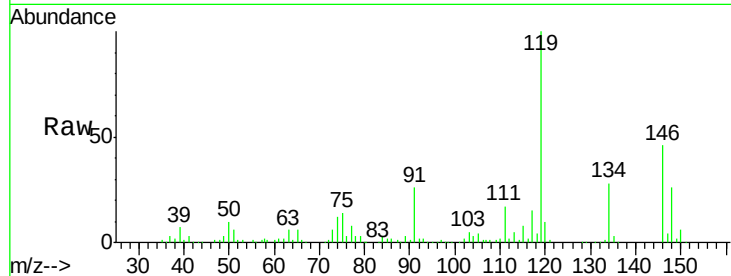
#87
 1,3-Dichlorobenzene
 Concen: 20.655 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD066454.D
 Acq: 28 Aug 2020 12:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0828SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	18.9	56.9
148	63.4	31.8	95.3

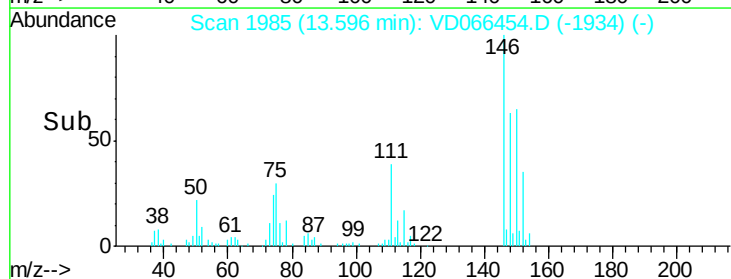
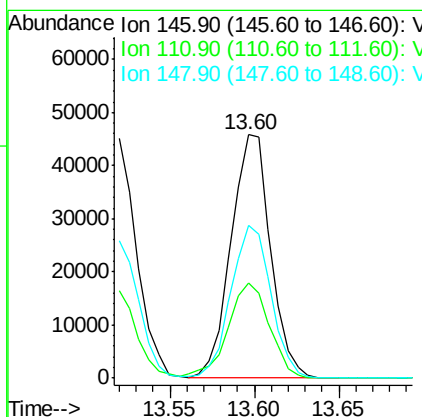
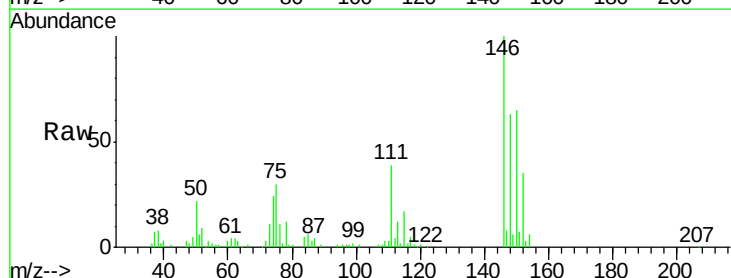
Manual Integrations
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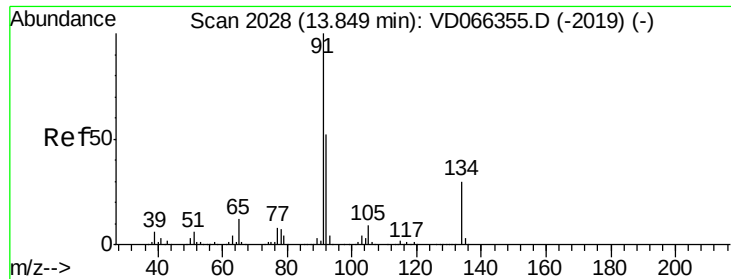
MMDadoda
 8/31/2020 11:58:41 AM



#88
 1,4-Dichlorobenzene
 Concen: 20.642 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. 0.00 min
 Lab File: VD066454.D
 Acq: 28 Aug 2020 12:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.7	19.1	57.5
148	63.5	32.1	96.3





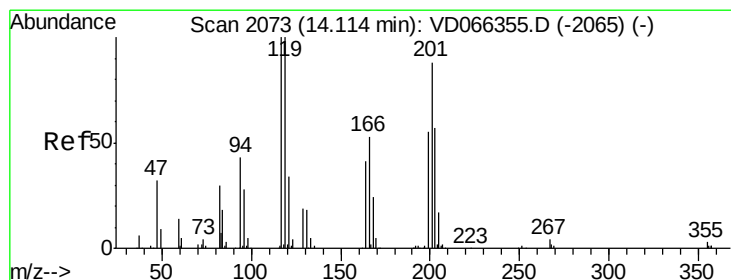
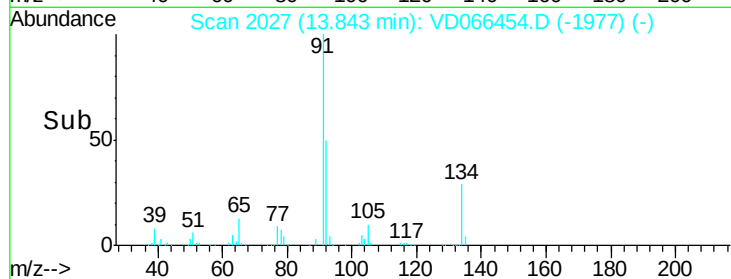
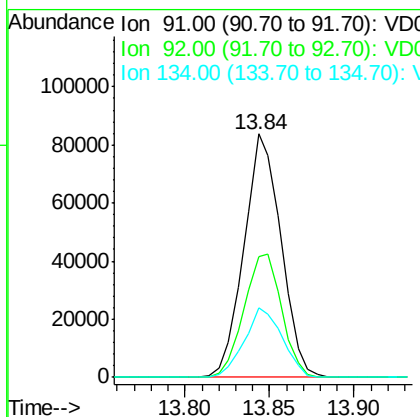
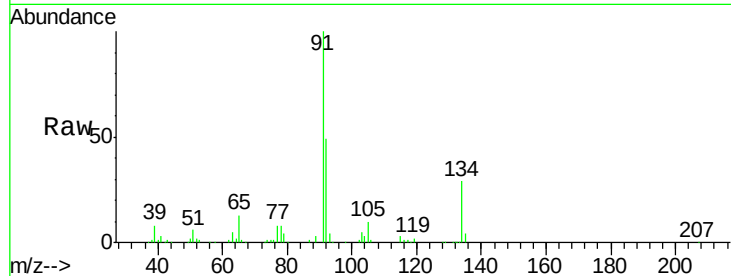
#89
n-Butylbenzene
Concen: 20.059 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.01 min
Lab File: VD066454.D
Acq: 28 Aug 2020 12:37

Instrument :
MSVOA_D
ClientSampleId :
VD0828SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	127836		
92	51.6	26.4	79.0	
134	29.3	14.4	43.4	

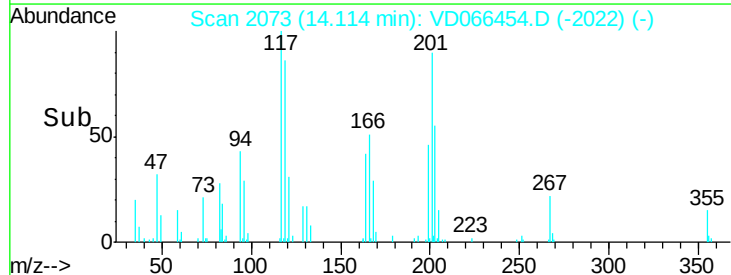
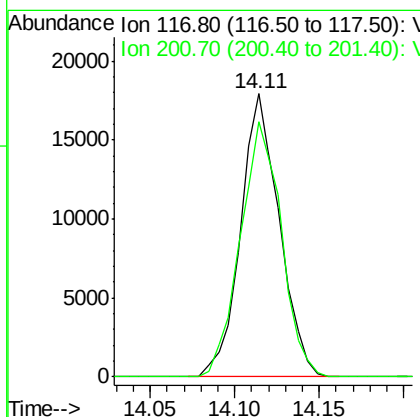
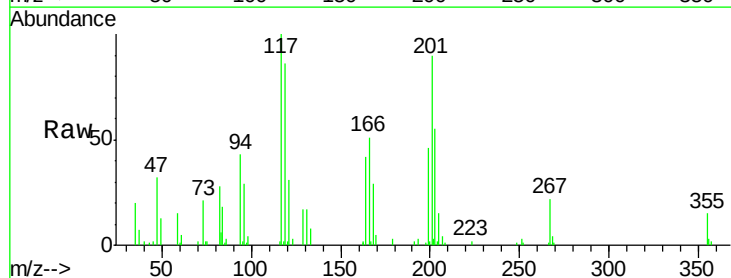
Manual Integrations
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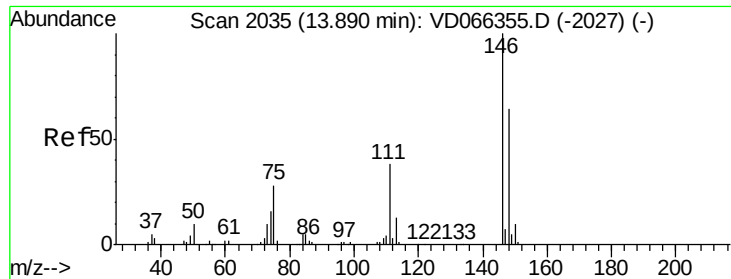
MMDadoda
8/31/2020 11:58:41 AM



#90
Hexachloroethane
Concen: 20.008 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD066454.D
Acq: 28 Aug 2020 12:37

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	28543		
201	95.4	45.4	136.2	





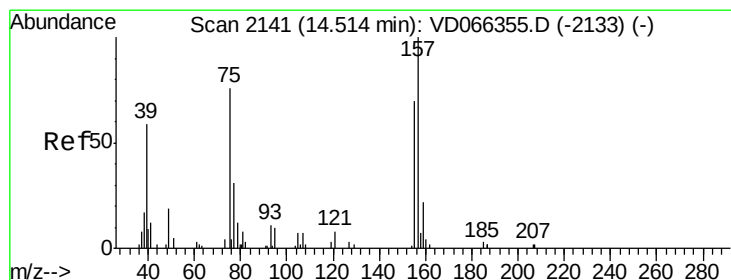
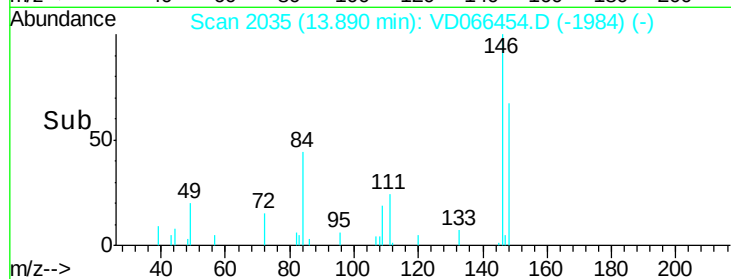
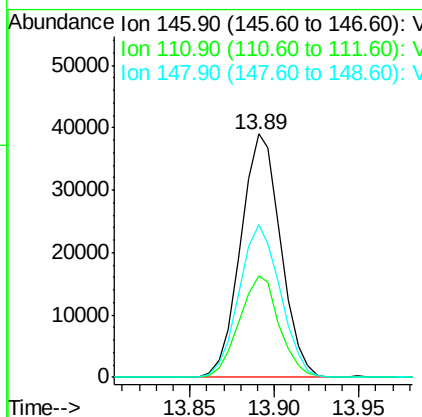
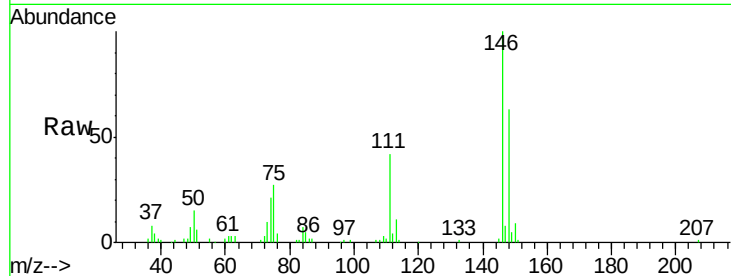
#91
 1,2-Dichlorobenzene
 Concen: 20.633 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VD066454.D
 Acq: 28 Aug 2020 12:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0828SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	19.9	59.7
148	64.5	32.6	97.8

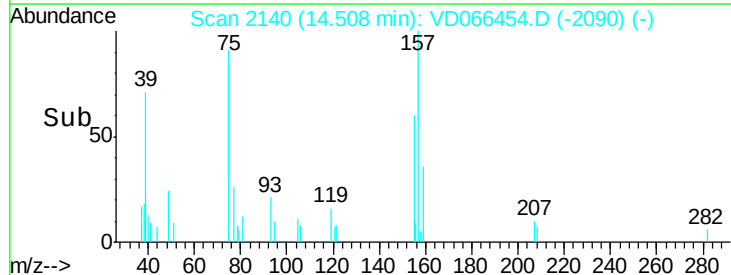
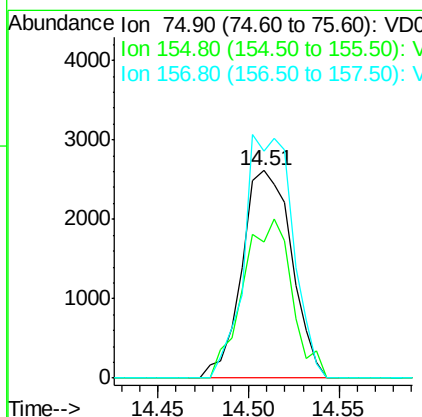
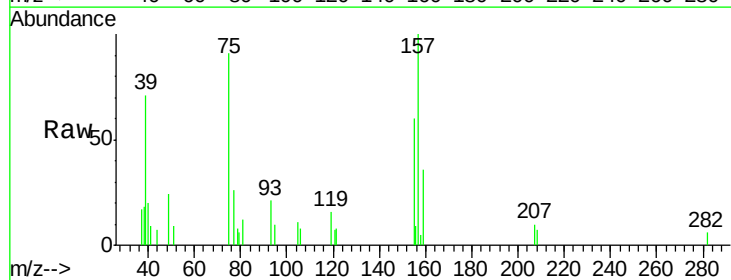
Manual Integrations
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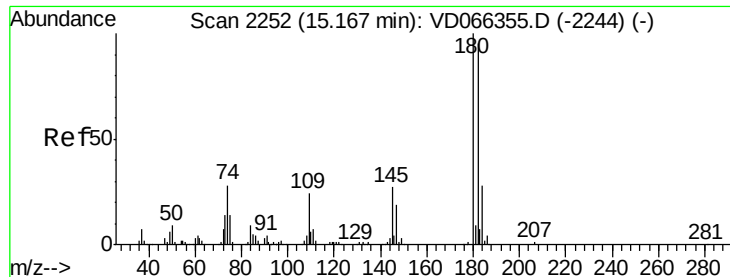
MMDadoda
 8/31/2020 11:58:41 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.854 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD066454.D
 Acq: 28 Aug 2020 12:37

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.8	46.9	140.6
157	113.8	61.0	183.0





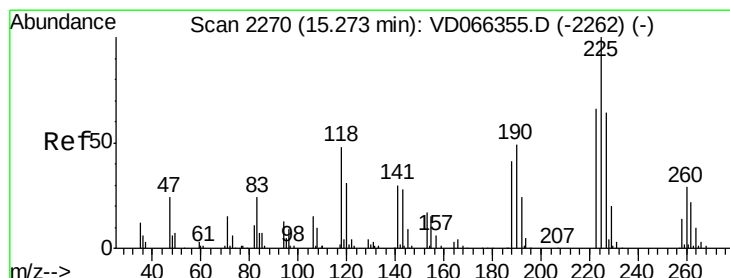
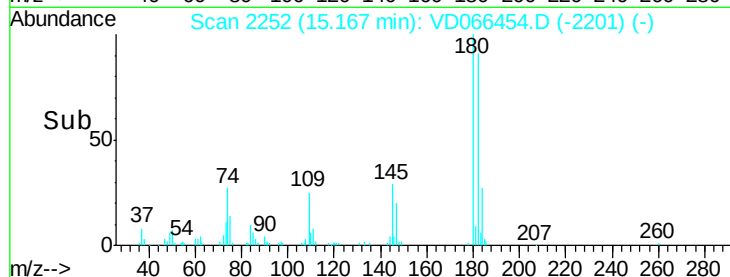
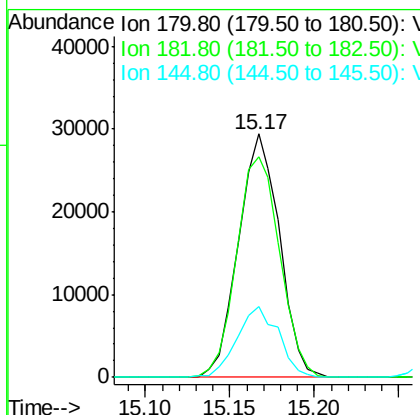
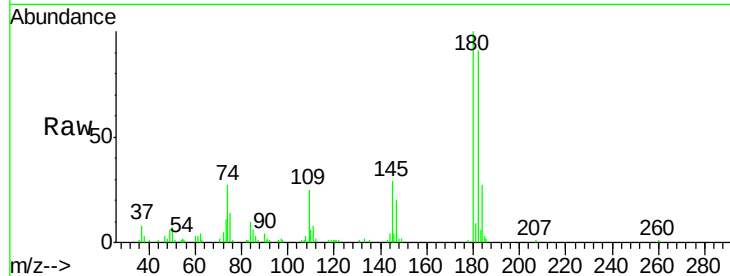
#93
 1,2,4-Trichlorobenzene
 Concen: 20.418 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD066454.D
 Acq: 28 Aug 2020 12:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0828SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	48.0	144.0
145	29.5	15.2	45.6

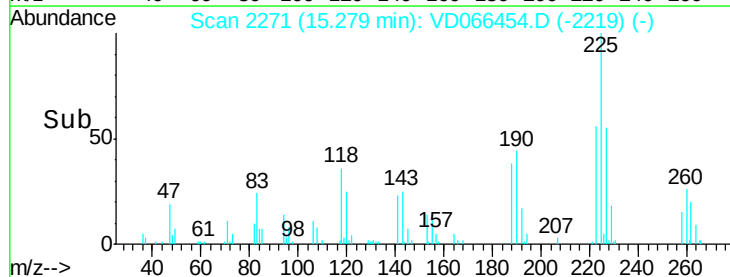
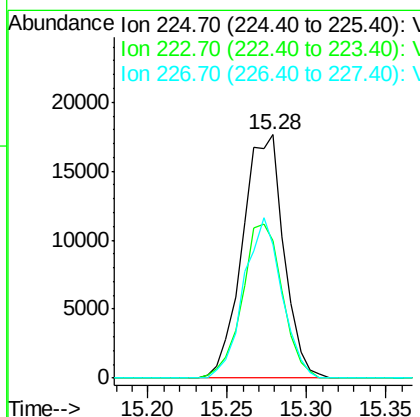
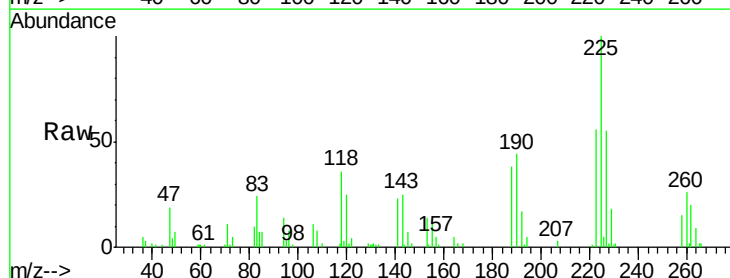
Manual Integrations
 APPROVED

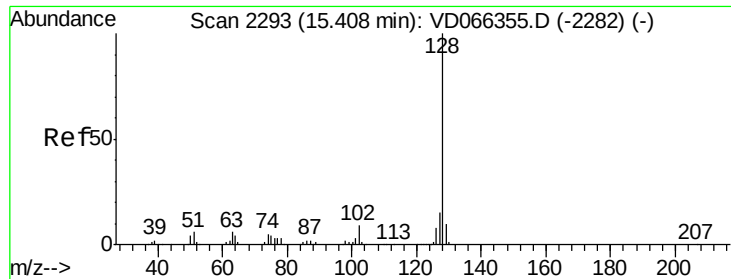
MMDadoda
 8/31/2020 11:58:41 AM



#94
 Hexachlorobutadiene
 Concen: 21.161 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD066454.D
 Acq: 28 Aug 2020 12:37

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.6	32.5	97.4
227	60.4	33.0	98.9





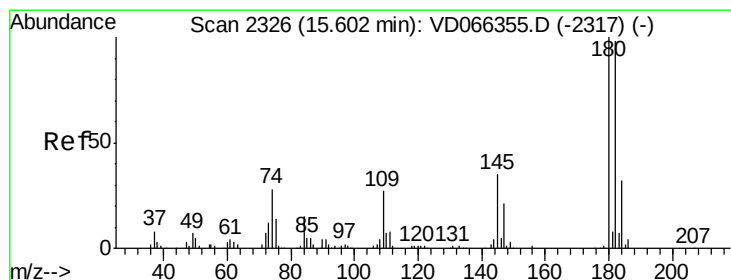
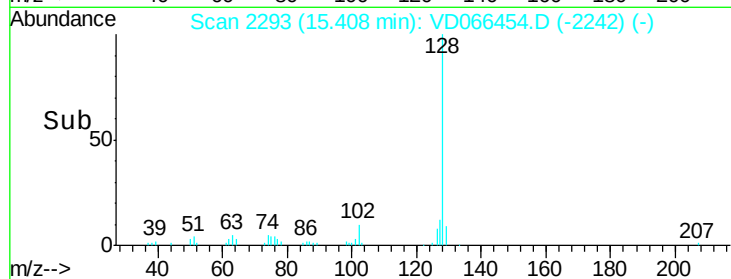
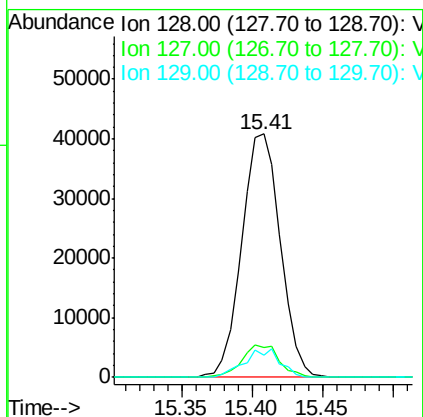
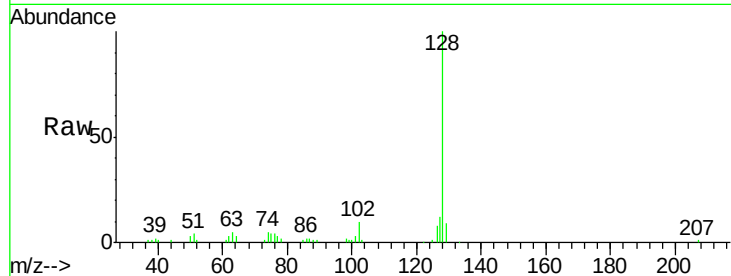
#95
Naphthalene
Concen: 20.564 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD066454.D
Acq: 28 Aug 2020 12:37

Instrument :
MSVOA_D
ClientSampleId :
VD0828SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.7	16.1
129	10.6	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
8/31/2020 11:58:41 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.815 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.00 min
Lab File: VD066454.D
Acq: 28 Aug 2020 12:37

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.8	46.7	140.0
145	31.6	16.0	48.0

