

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD083120\
 Data File : VD066479.D
 Acq On : 31 Aug 2020 13:18
 Operator : VA/SY
 Sample : VD0831SBS01
 Misc : 6.01G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0831SBS01

Manual Integrations
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 9/1/2020 12:38:55 PM

Quant Time: Sep 01 02:37:38 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	7.98	168	140667	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	184391	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	177220	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	97617	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	81624	59.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.38%	
35) Dibromofluoromethane	7.91	113	62157	53.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.82%	
50) Toluene-d8	10.34	98	225291	53.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.80%	
62) 4-Bromofluorobenzene	12.63	95	83032	55.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	24007	20.075	ug/l	96
3) Chloromethane	2.21	50	14655	17.288	ug/l	90
4) Vinyl Chloride	2.34	62	17092	18.780	ug/l #	81
5) Bromomethane	2.76	94	14311	21.022	ug/l	89
6) Chloroethane	2.92	64	11293	19.378	ug/l	89
7) Trichlorofluoromethane	3.27	101	52408	21.176	ug/l	100
8) Diethyl Ether	3.71	74	10945	19.738	ug/l	78
9) 1,1,2-Trichlorotrifluoroet	4.09	101	22317	18.272	ug/l	91
10) Methyl Iodide	4.30	142	22810	16.374	ug/l	95
11) Tert butyl alcohol	5.20	59	10651	110.176	ug/l #	80
12) 1,1-Dichloroethene	4.06	96	19968	17.417	ug/l	95
13) Acrolein	3.93	56	3287	53.674	ug/l #	82
14) Allyl chloride	4.71	41	22345	14.602	ug/l #	75
15) Acrylonitrile	5.43	53	19837	89.162	ug/l	99
16) Acetone	4.15	43	25562	102.812	ug/l #	88
17) Carbon Disulfide	4.40	76	54085	15.566	ug/l	98
18) Methyl Acetate	4.72	43	8273	17.729	ug/l	93
19) Methyl tert-butyl Ether	5.47	73	57169	20.709	ug/l #	89
20) Methylene Chloride	4.97	84	25627	14.835	ug/l #	87
21) trans-1,2-Dichloroethene	5.47	96	23413	17.544	ug/l	97
22) Diisopropyl ether	6.36	45	48049	16.218	ug/l #	96
23) Vinyl Acetate	6.30	43	162879	88.804	ug/l	96
24) 1,1-Dichloroethane	6.26	63	37868	18.086	ug/l	99
25) 2-Butanone	7.21	43	25615	90.751	ug/l	94
26) 2,2-Dichloropropane	7.20	77	46900	20.900	ug/l	96
27) cis-1,2-Dichloroethene	7.21	96	27658	19.341	ug/l	98
28) Bromochloromethane	7.54	49	10954	15.189	ug/l #	75
29) Tetrahydrofuran	7.56	42	13001	81.095	ug/l	88
30) Chloroform	7.71	83	49718	20.524	ug/l	94
31) Cyclohexane	7.97	56	29710	15.515	ug/l #	90
32) 1,1,1-Trichloroethane	7.90	97	54233	21.875	ug/l	99
36) 1,1-Dichloropropene	8.11	75	32263	19.176	ug/l	98
37) Ethyl Acetate	7.29	43	10796	18.867	ug/l #	90
38) Carbon Tetrachloride	8.09	117	49623	22.639	ug/l	92

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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)
39) Methylcyclohexane	9.36	83	36359	18.346	ug/l	94
40) Benzene	8.35	78	85543	19.327	ug/l	94
41) Methacrylonitrile	7.52	41	6349m	17.992	ug/l	
42) 1,2-Dichloroethane	8.42	62	38210	24.512	ug/l	98
43) Isopropyl Acetate	8.45	43	22184	19.315	ug/l	98
44) Trichloroethene	9.11	130	28549	19.851	ug/l	97
45) 1,2-Dichloropropane	9.38	63	17178	17.120	ug/l	98
46) Dibromomethane	9.47	93	12962	20.748	ug/l	95
47) Bromodichloromethane	9.66	83	38271	22.276	ug/l	98
48) Methyl methacrylate	9.45	41	11996	20.254	ug/l #	84
49) 1,4-Dioxane	9.45	88	3017	415.898	ug/l	90
51) 4-Methyl-2-Pentanone	10.23	43	53889	96.989	ug/l	100
52) Toluene	10.40	92	61577	20.535	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	34020	20.868	ug/l	91
54) cis-1,3-Dichloropropene	10.08	75	35458	19.377	ug/l #	88
55) 1,1,2-Trichloroethane	10.80	97	17382	20.552	ug/l #	88
56) Ethyl methacrylate	10.66	69	19789	20.212	ug/l #	88
57) 1,3-Dichloropropane	10.94	76	27659	19.771	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.94	63	41852	102.924	ug/l	94
59) 2-Hexanone	10.98	43	39249	100.147	ug/l	94
60) Dibromochloromethane	11.14	129	27576	21.631	ug/l	99
61) 1,2-Dibromoethane	11.25	107	16128	19.377	ug/l	96
64) Tetrachloroethene	10.87	164	26171	19.467	ug/l	95
65) Chlorobenzene	11.67	112	70650	20.038	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.74	131	29880	20.737	ug/l	96
67) Ethyl Benzene	11.74	91	122932	19.808	ug/l	97
68) m/p-Xylenes	11.86	106	95432	40.342	ug/l	94
69) o-Xylene	12.18	106	43425	19.733	ug/l	98
70) Styrene	12.20	104	78131	20.677	ug/l	98
71) Bromoform	12.36	173	18708	22.885	ug/l #	94
73) Isopropylbenzene	12.48	105	126884	19.403	ug/l	99
74) N-amyl acetate	12.29	43	20462	17.325	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	16272	17.419	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	12368m	18.010	ug/l	
77) Bromobenzene	12.76	156	31501	18.979	ug/l	95
78) n-propylbenzene	12.82	91	137962	18.400	ug/l	94
79) 2-Chlorotoluene	12.91	91	82592	19.286	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	112679	19.957	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	6297	19.464	ug/l	90
82) 4-Chlorotoluene	13.01	91	87625	19.313	ug/l	95
83) tert-Butylbenzene	13.23	119	94674	19.305	ug/l	95
84) 1,2,4-Trimethylbenzene	13.27	105	111433	20.094	ug/l	99
85) sec-Butylbenzene	13.40	105	124939	19.444	ug/l	99
86) p-Isopropyltoluene	13.52	119	124500	20.095	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	63352	20.448	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	61710	19.837	ug/l	99
89) n-Butylbenzene	13.85	91	105011	19.207	ug/l	97
90) Hexachloroethane	14.11	117	21876	17.874	ug/l	93
91) 1,2-Dichlorobenzene	13.90	146	53794	20.169	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	4058	20.712	ug/l	91

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ClientSampleId :
VD0831SBSD01

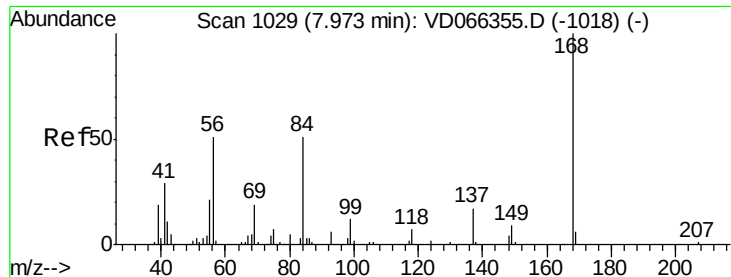
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	42484	20.403	ug/l	98
94) Hexachlorobutadiene	15.27	225	27026	20.886	ug/l	97
95) Naphthalene	15.41	128	67239	20.560	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	36925	20.701	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.01 min

Lab File: VD066479.D

Acq: 31 Aug 2020 13:18

Instrument :

MSVOA_D

ClientSampleId :

VD0831SBS01

Tot Ion:168 Resp: 140667

Ion Ratio Lower Upper

168 100

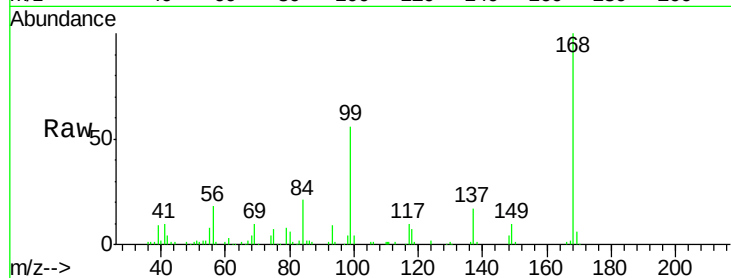
99 55.9 45.4 68.0

Manual Integrations

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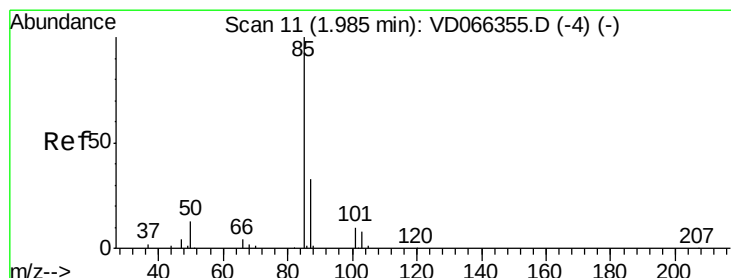
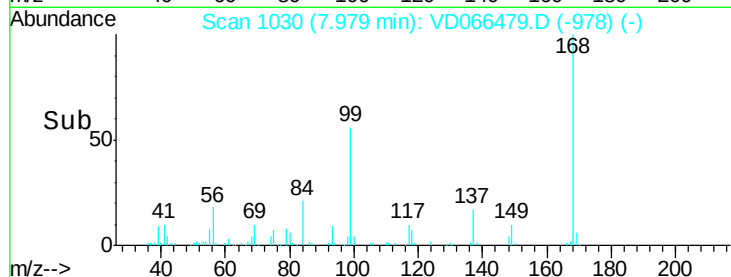
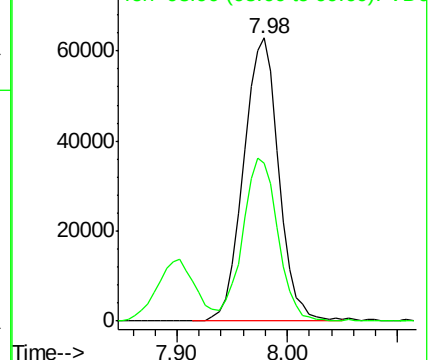
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 20.075 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD066479.D

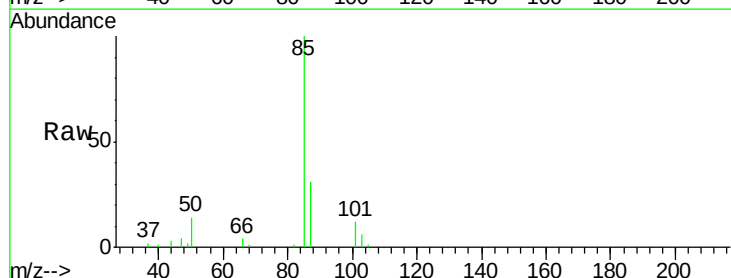
Acq: 31 Aug 2020 13:18

Tgt Ion: 85 Resp: 24007

Ion Ratio Lower Upper

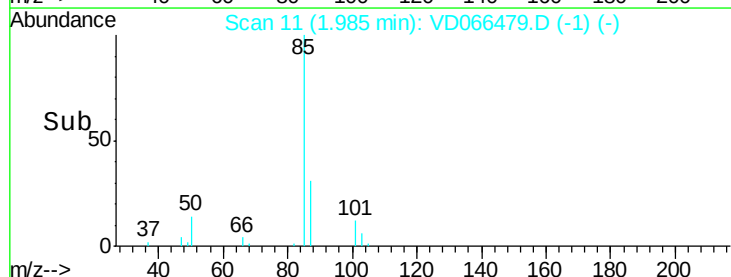
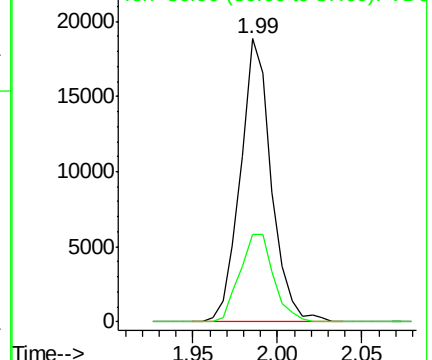
85 100

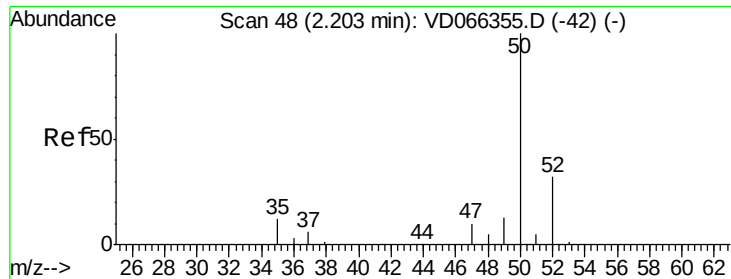
87 30.8 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 17.288 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD066479.D

Acq: 31 Aug 2020 13:18

Instrument :

MSVOA_D

ClientSampleId :

VD0831SBS01

Tot Ion: 50 Resp: 14655

Ion Ratio Lower Upper

50 100

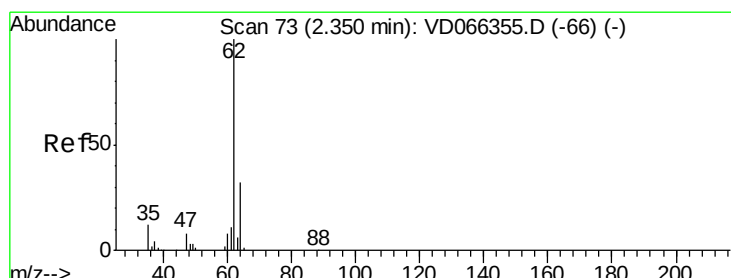
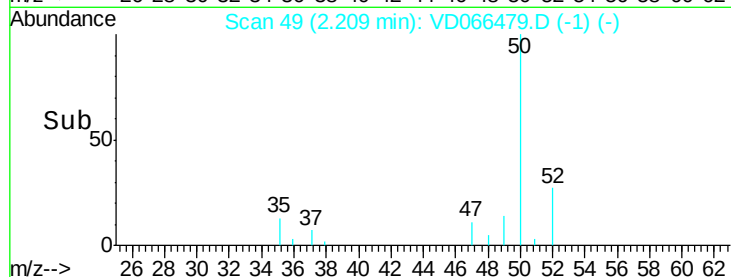
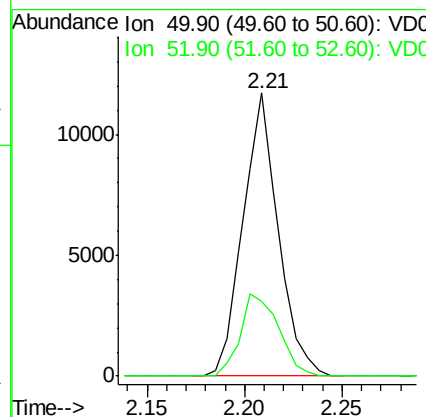
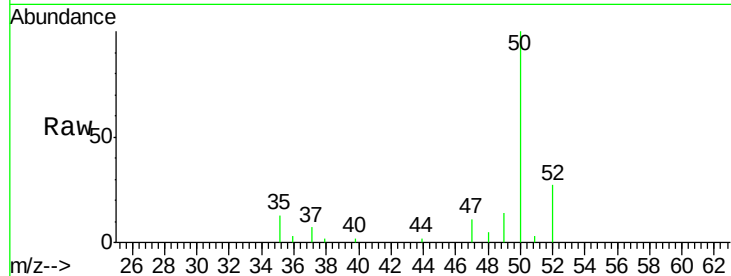
52 26.6 25.7 38.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.780 ug/l

RT: 2.34 min Scan# 72

Delta R.T. -0.01 min

Lab File: VD066479.D

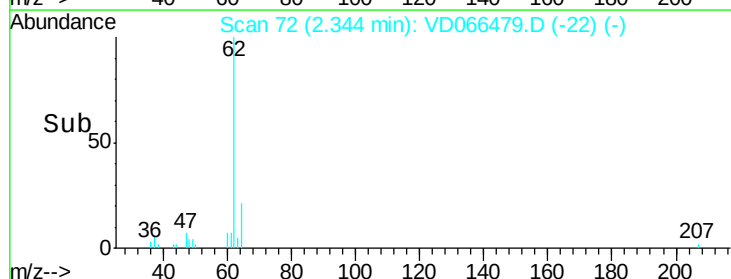
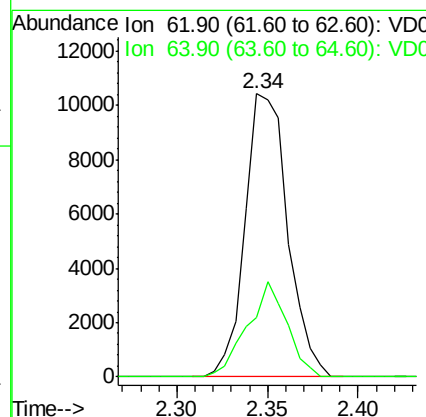
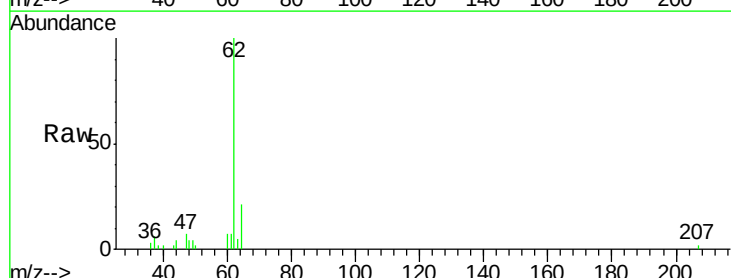
Acq: 31 Aug 2020 13:18

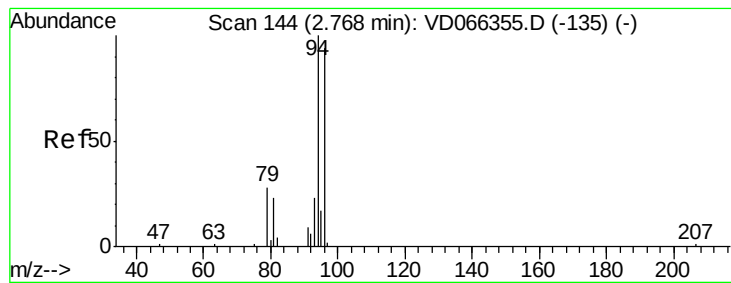
Tgt Ion: 62 Resp: 17092

Ion Ratio Lower Upper

62 100

64 21.2 25.4 38.2#





#5

Bromomethane

Concen: 21.022 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD066479.D

Acq: 31 Aug 2020 13:18

Instrument :

MSVOA_D

ClientSampleId :

VD0831SBS01

Tot Ion: 94 Resp: 14311

Ion Ratio Lower Upper

94 100

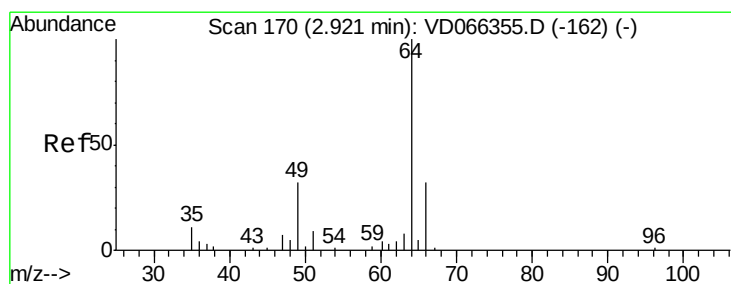
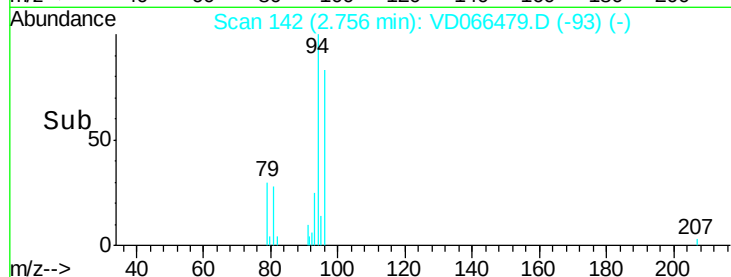
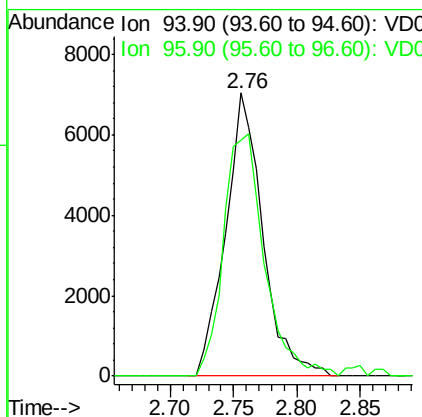
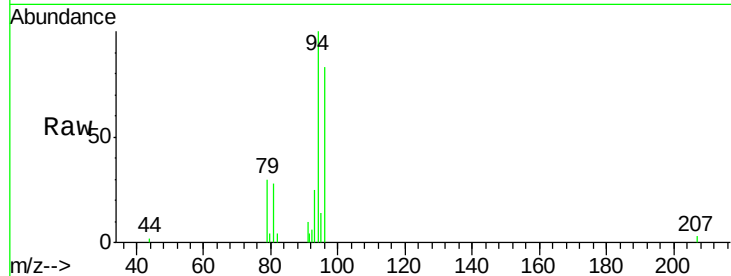
96 83.4 75.0 112.4

Manual Integrations

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#6

Chloroethane

Concen: 19.378 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD066479.D

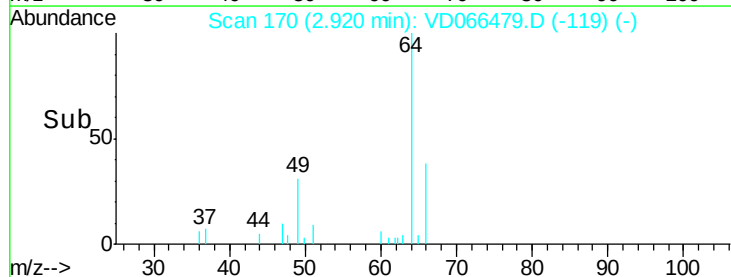
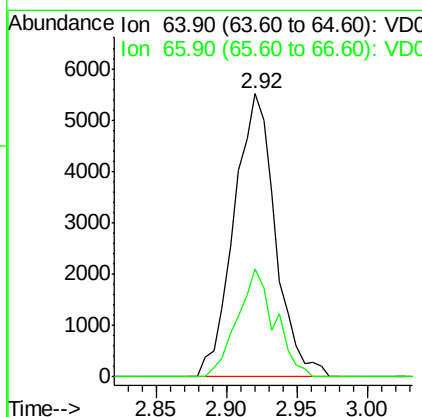
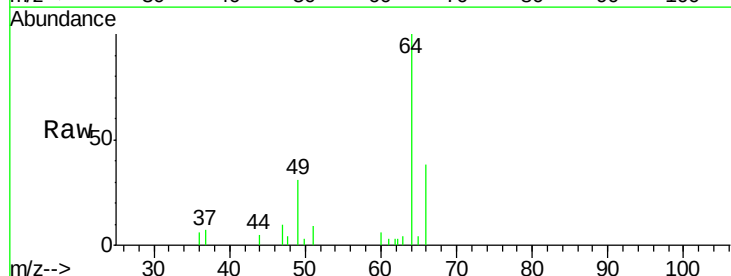
Acq: 31 Aug 2020 13:18

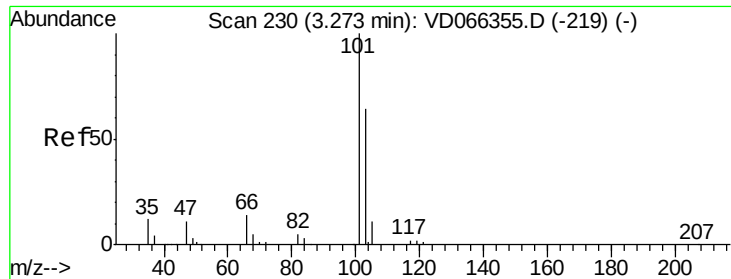
Tgt Ion: 64 Resp: 11293

Ion Ratio Lower Upper

64 100

66 38.3 25.9 38.9





#7

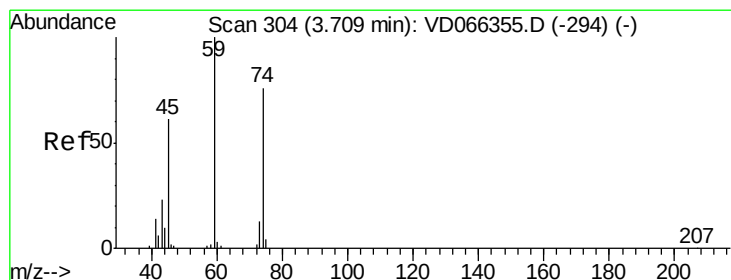
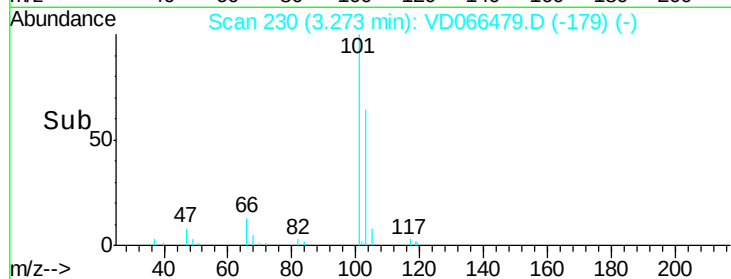
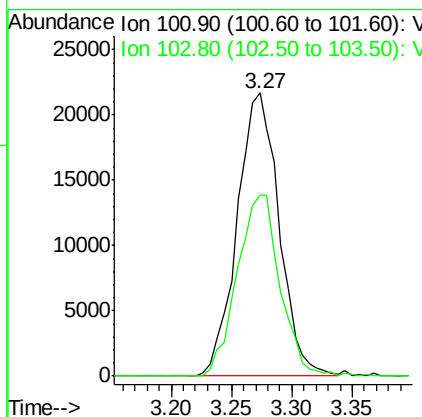
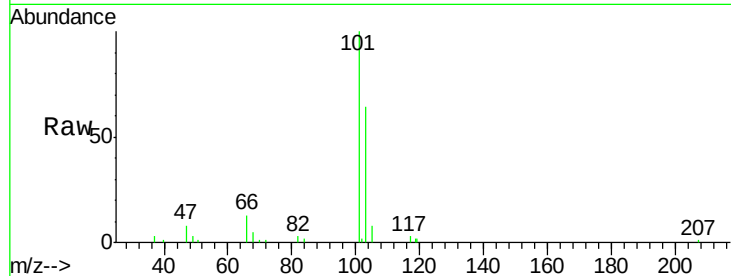
Trichlorofluoromethane
 Concen: 21.176 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD066479.D
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 VD0831SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		52408		
103	64.0	51.4	77.0		

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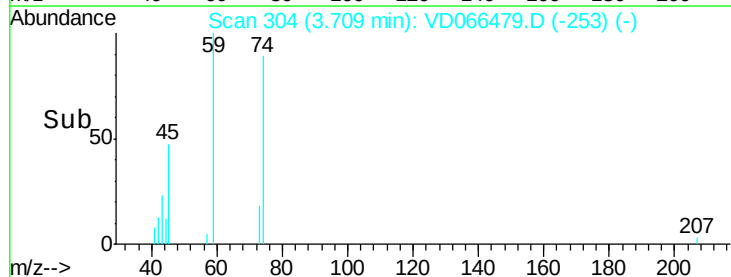
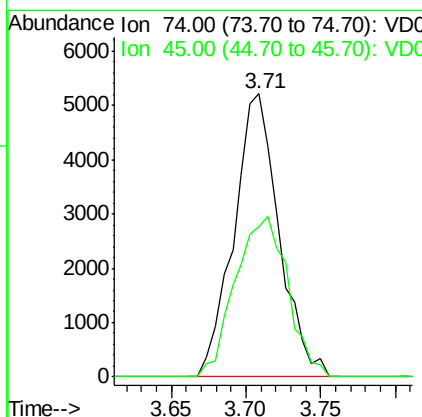
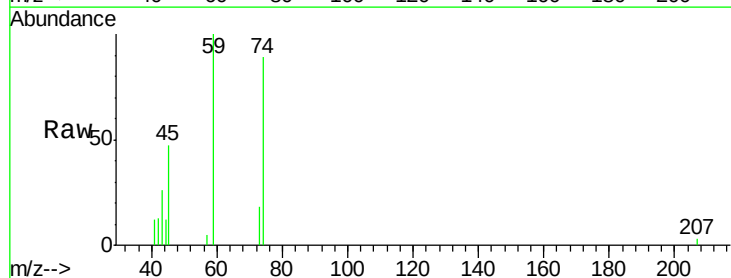
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 9/1/2020 12:38:55 PM

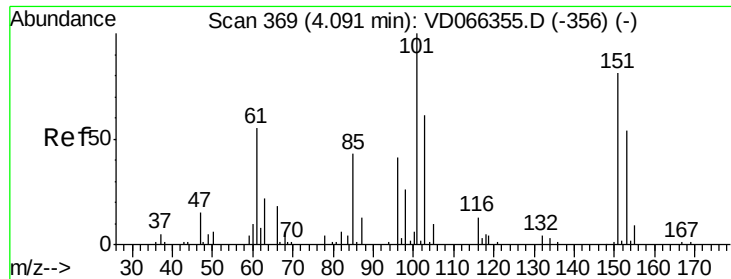


#8

Diethyl Ether
 Concen: 19.738 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD066479.D
 Acq: 31 Aug 2020 13:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		10945		
45	65.6	42.8	128.3		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.272 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.00 min

Lab File: VD066479.D

Acq: 31 Aug 2020 13:18

Instrument :

MSVOA_D

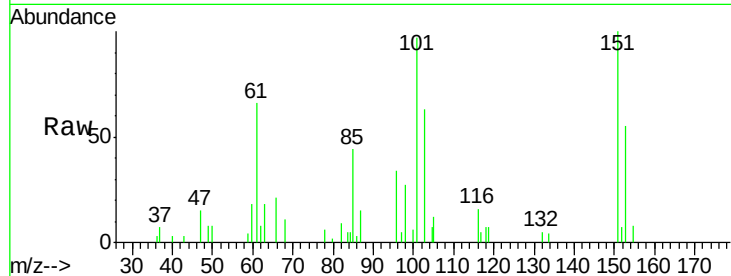
ClientSampleId :

VD0831SBS01

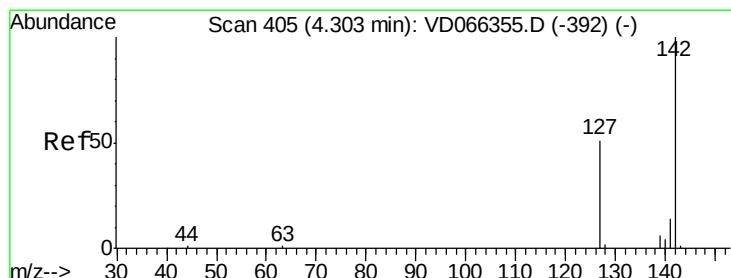
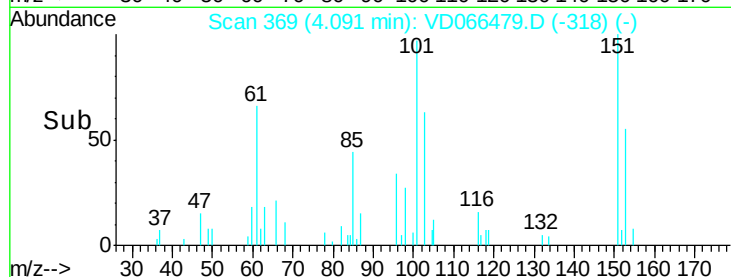
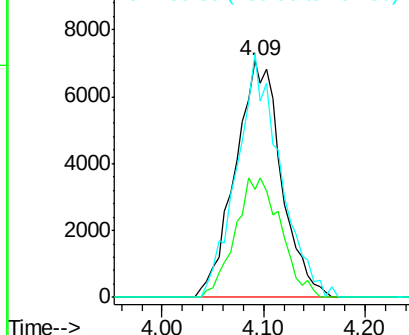
Tot Ion:	101	Resp:	22317
Ion Ratio	Lower	Upper	
101	100		
85	50.0	36.4	54.6
151	97.0	70.5	105.7

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: 16.374 ug/l

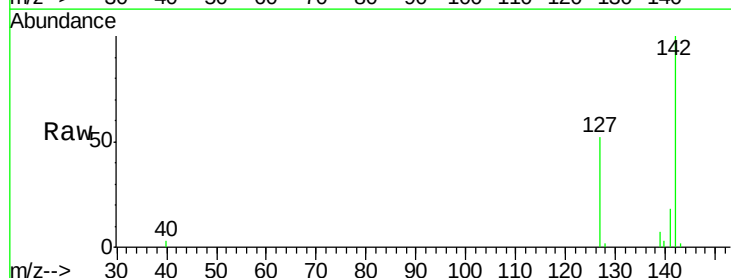
RT: 4.30 min Scan# 404

Delta R.T. -0.01 min

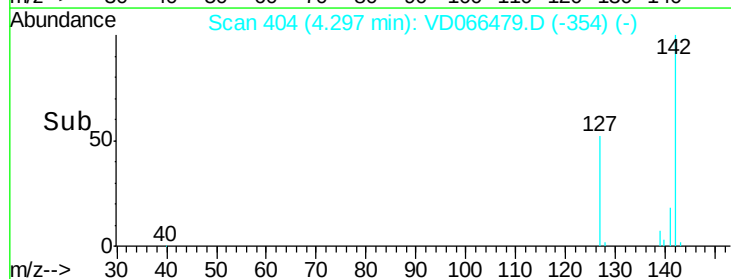
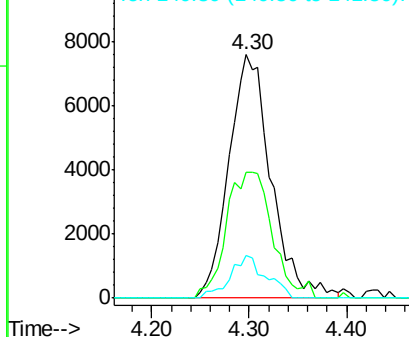
Lab File: VD066479.D

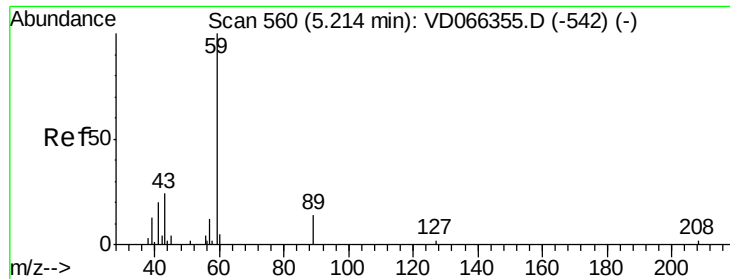
Acq: 31 Aug 2020 13:18

Tgt Ion:	142	Resp:	22810
Ion Ratio	Lower	Upper	
142	100		
127	56.4	41.8	62.8
141	14.9	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





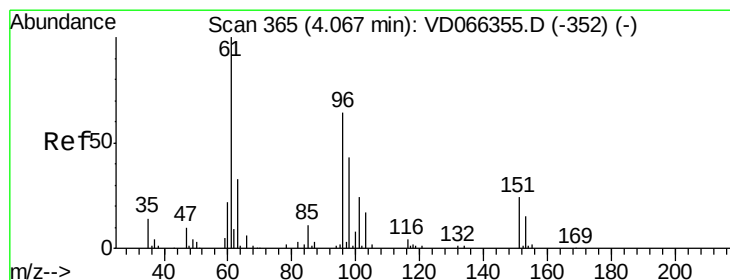
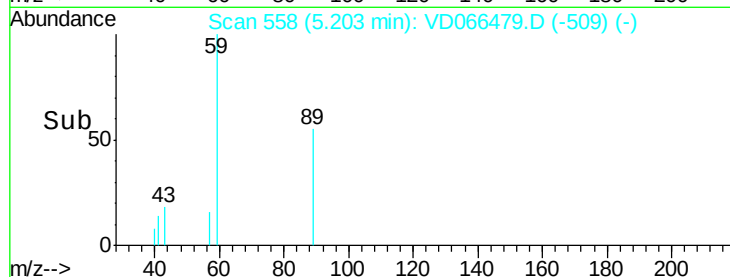
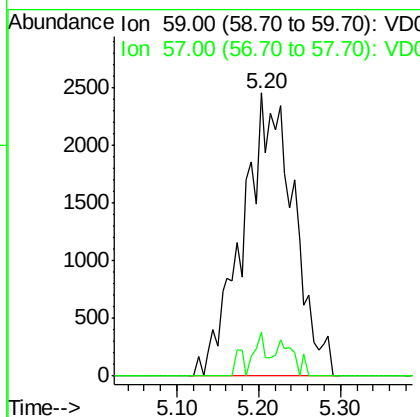
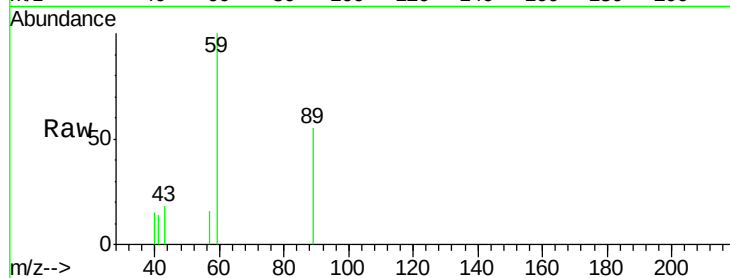
#11
Tert butyl alcohol
Concen: 110.176 ug/l
RT: 5.20 min Scan# 558
Delta R.T. -0.01 min
Lab File: VD066479.D
Acq: 31 Aug 2020 13:18

Instrument :
MSVOA_D
ClientSampleId :
VD0831SBS01

Tot Ion: 59 Resp: 10651
Ion Ratio Lower Upper
59 100
57 3.7 9.0 13.4#

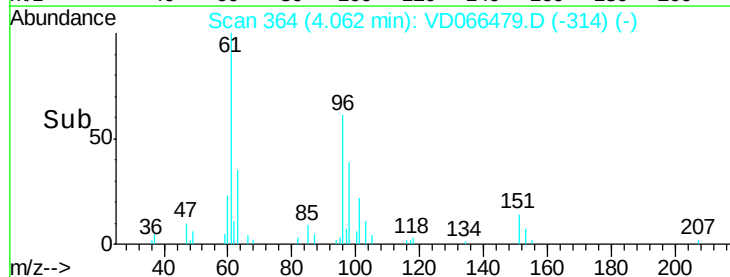
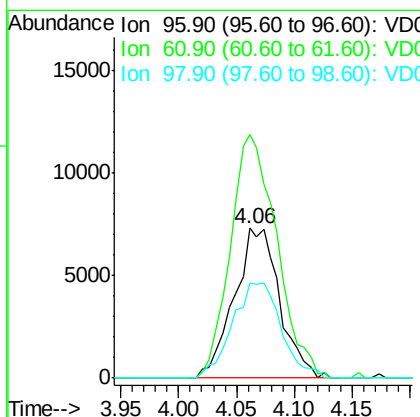
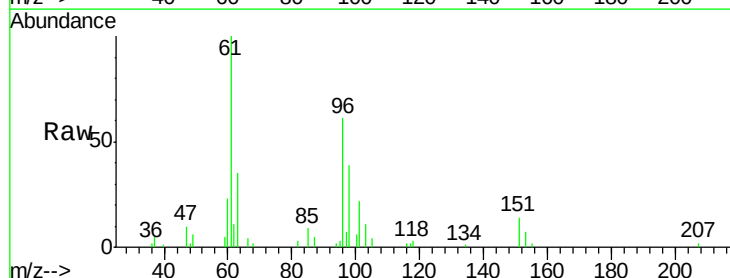
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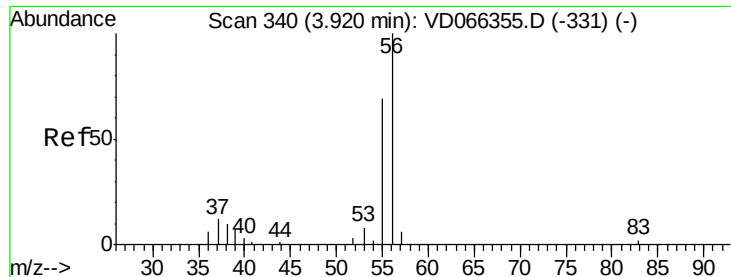
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#12
1,1-Dichloroethene
Concen: 17.417 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.01 min
Lab File: VD066479.D
Acq: 31 Aug 2020 13:18

Tgt Ion: 96 Resp: 19968
Ion Ratio Lower Upper
96 100
61 162.7 124.3 186.5
98 63.4 53.2 79.8





#13

Acrolein

Concen: 53.674 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.01 min

Lab File: VD066479.D

Acq: 31 Aug 2020 13:18

Instrument :

MSVOA_D

ClientSampleId :

VD0831SBS01

Tot Ion: 56 Resp: 3287

Ion Ratio Lower Upper

56 100

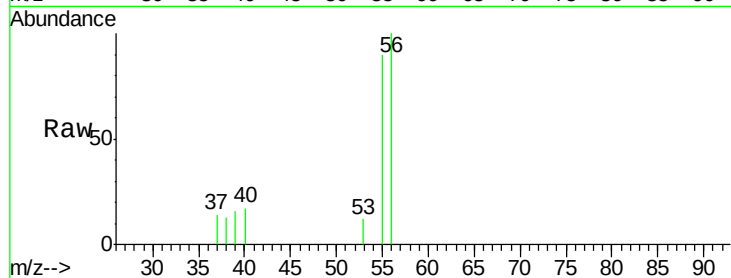
55 84.2 55.5 83.3#

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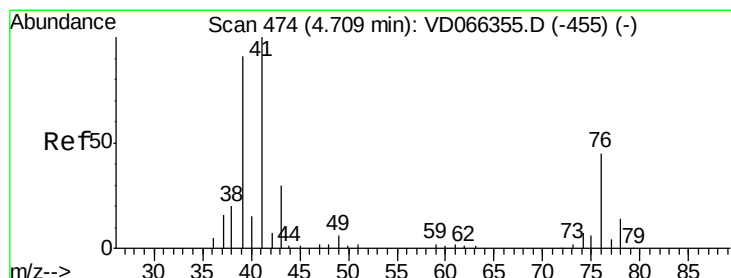
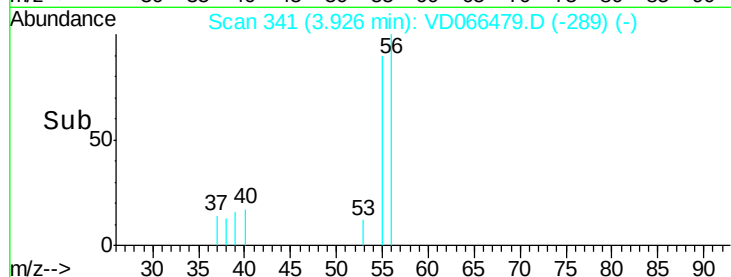
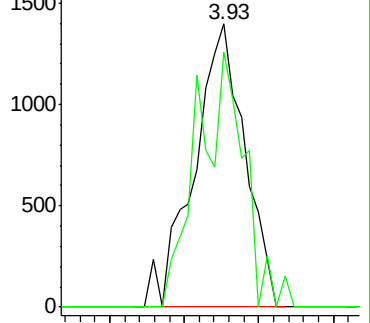
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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 14.602 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD066479.D

Acq: 31 Aug 2020 13:18

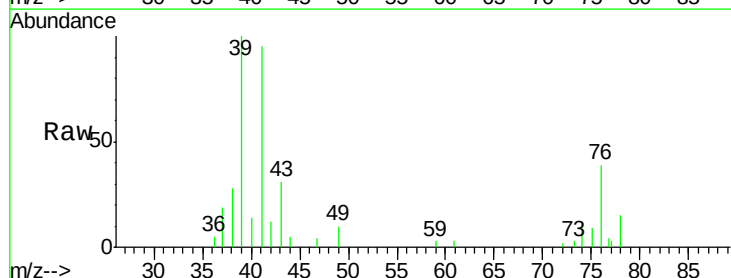
Tgt Ion: 41 Resp: 22345

Ion Ratio Lower Upper

41 100

39 116.4 72.8 109.2#

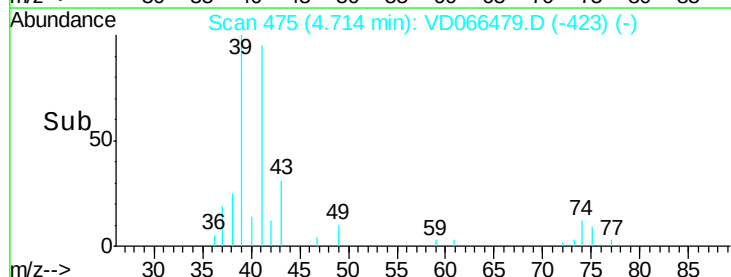
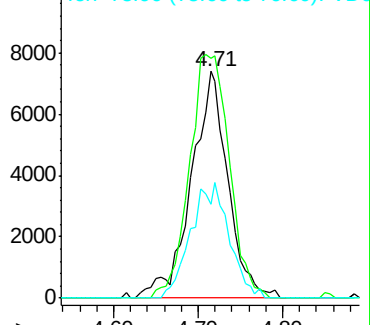
76 29.0 34.0 51.0#

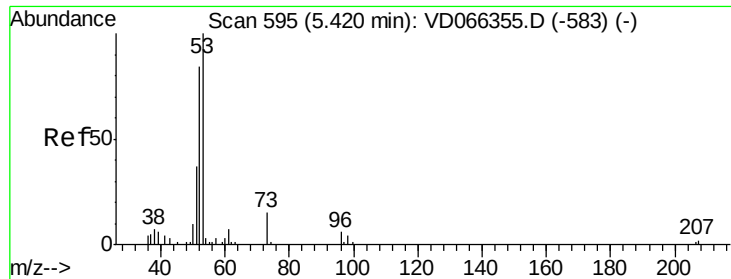


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 89.162 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.01 min

Lab File: VD066479.D

Acq: 31 Aug 2020 13:18

Instrument :

MSVOA_D

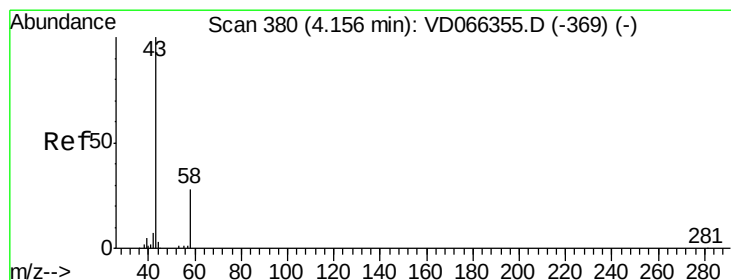
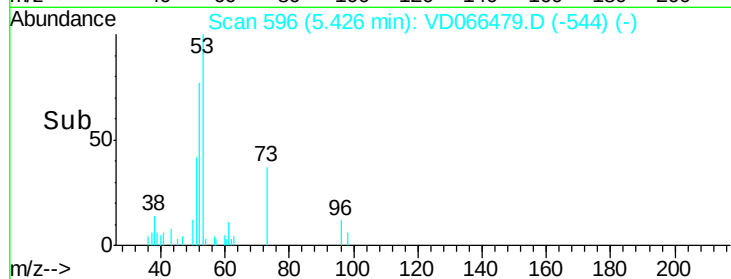
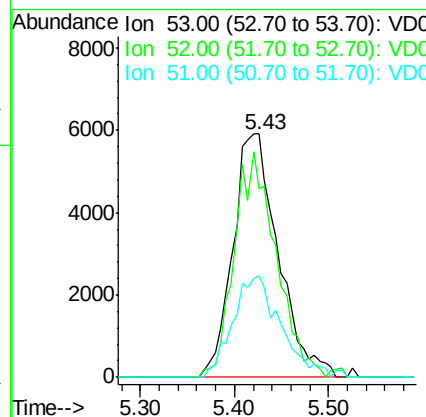
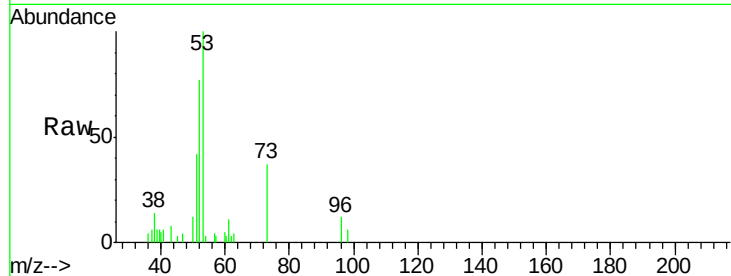
ClientSampleId :

VD0831SBS01

Tot Ion:	53	Resp:	19837
Ion Ratio	Lower	Upper	
53	100		
52	85.1	68.1	102.1
51	43.8	33.8	50.6

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#16

Acetone

Concen: 102.812 ug/l

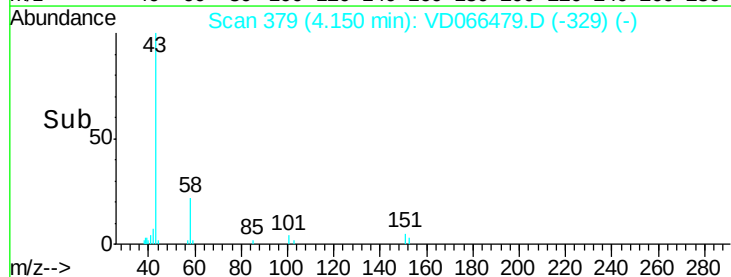
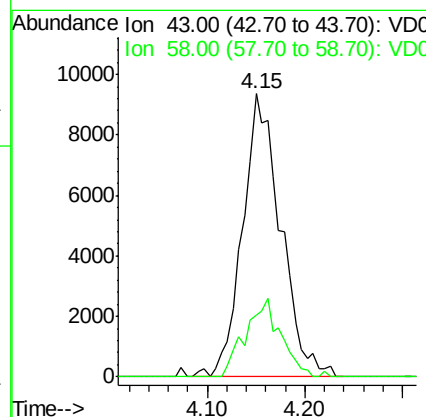
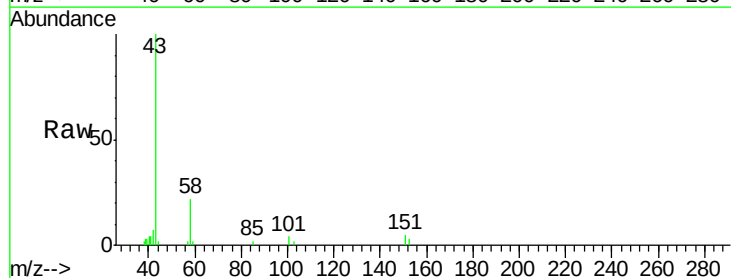
RT: 4.15 min Scan# 379

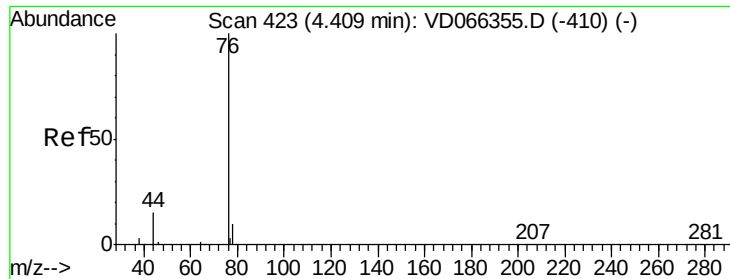
Delta R.T. -0.01 min

Lab File: VD066479.D

Acq: 31 Aug 2020 13:18

Tgt Ion:	43	Resp:	25562
Ion Ratio	Lower	Upper	
43	100		
58	21.9	22.7	34.1#





#17

Carbon Disulfide

Concen: 15.566 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.01 min

Lab File: VD066479.D

Acq: 31 Aug 2020 13:18

Instrument :

MSVOA_D

ClientSampleId :

VD0831SBSD01

Tot Ion: 76 Resp: 54085

Ion Ratio Lower Upper

76 100

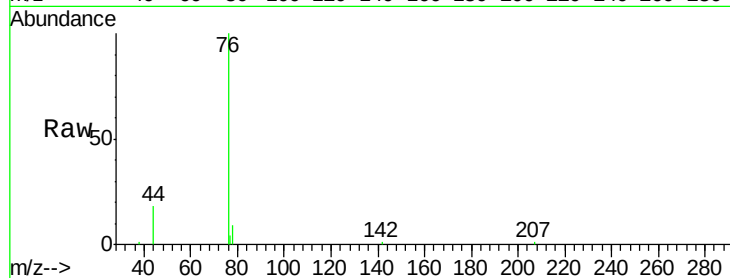
78 8.7 7.7 11.5

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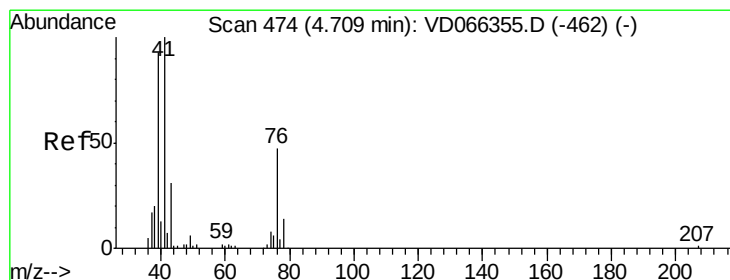
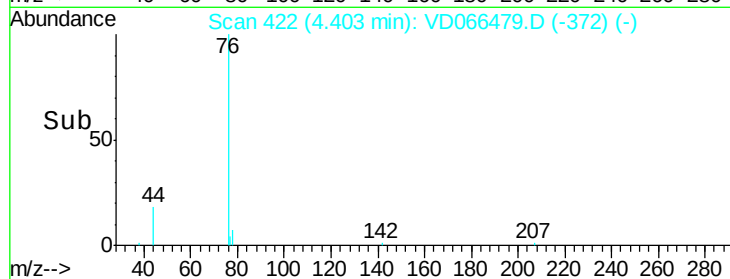
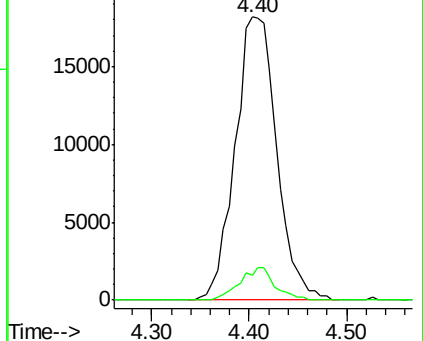
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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 17.729 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD066479.D

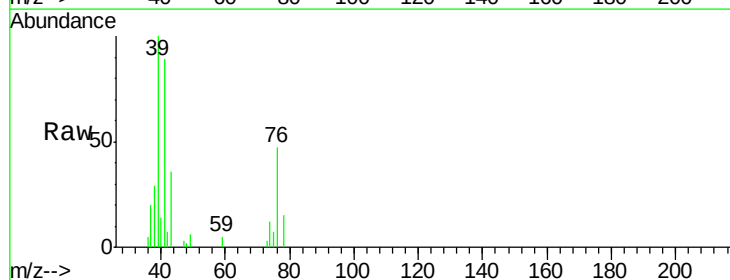
Acq: 31 Aug 2020 13:18

Tgt Ion: 43 Resp: 8273

Ion Ratio Lower Upper

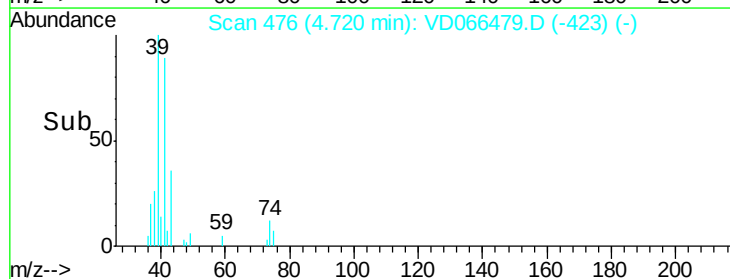
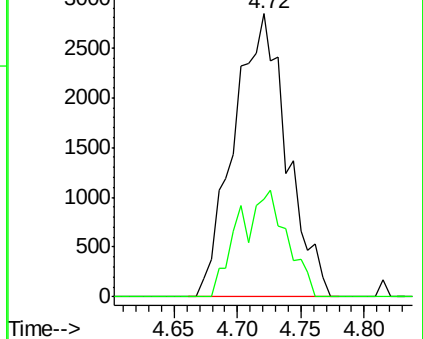
43 100

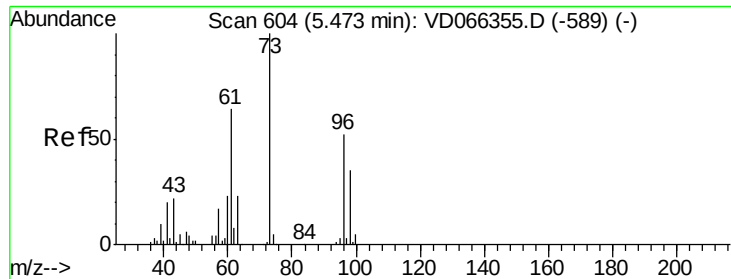
74 22.8 21.0 31.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





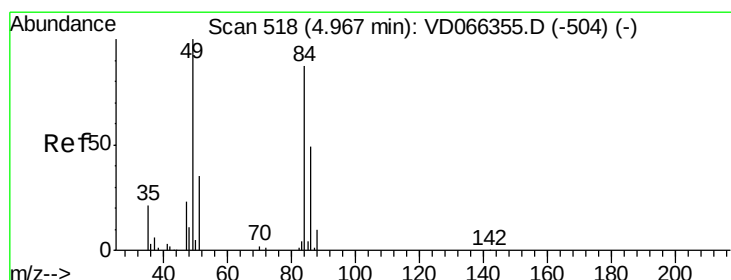
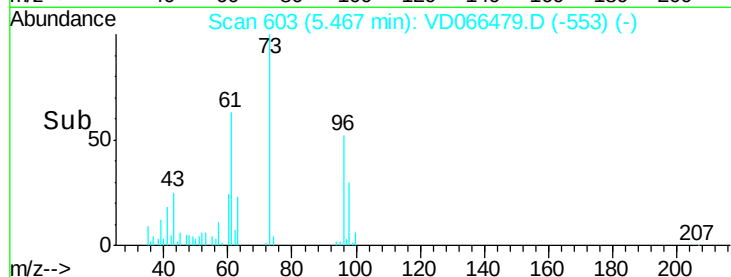
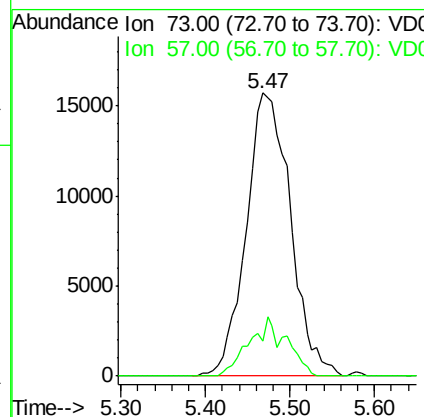
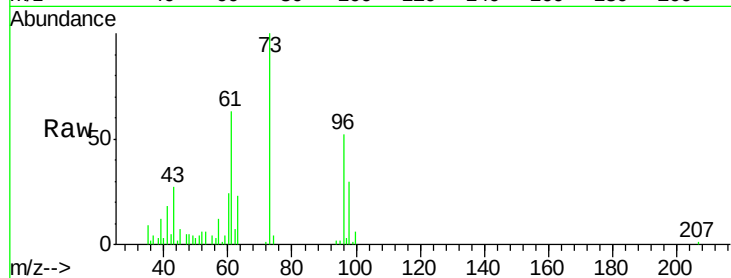
#19
Methyl tert-butyl Ether
Concen: 20.709 ug/l
RT: 5.47 min Scan# 603
Delta R.T. -0.01 min
Lab File: VD066479.D
Acq: 31 Aug 2020 13:18

Instrument :
MSVOA_D
ClientSampleId :
VD0831SBS01

Tot Ion: 73 Resp: 57169
Ion Ratio Lower Upper
73 100
57 12.3 13.8 20.6#

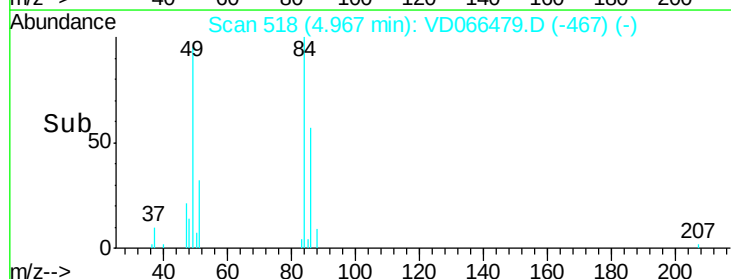
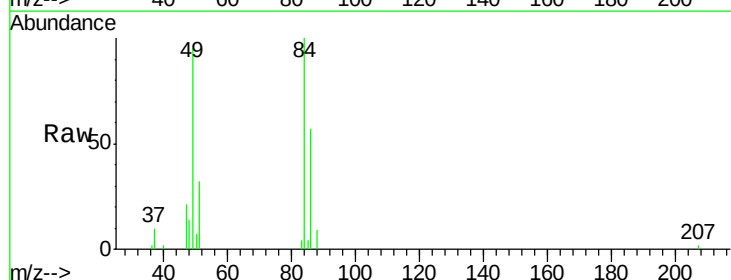
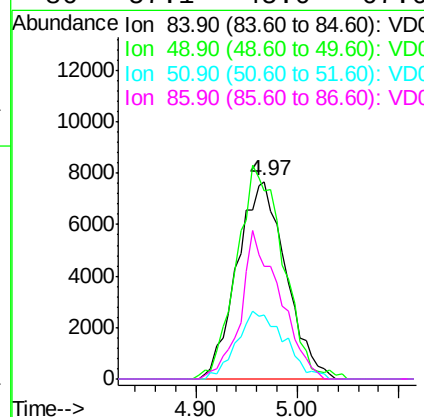
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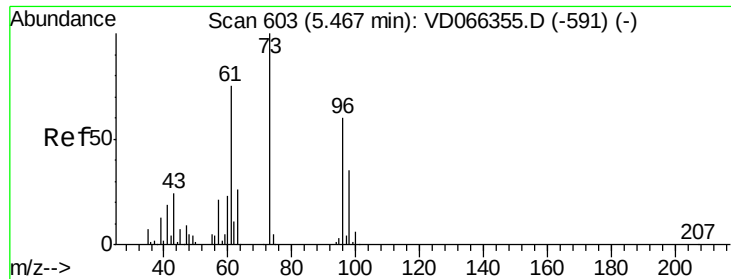
MMDadoda
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#20
Methylene Chloride
Concen: 14.835 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD066479.D
Acq: 31 Aug 2020 13:18

Tgt Ion: 84 Resp: 25627
Ion Ratio Lower Upper
84 100
49 95.2 92.5 138.7
51 32.4 32.5 48.7#
86 57.1 45.0 67.6





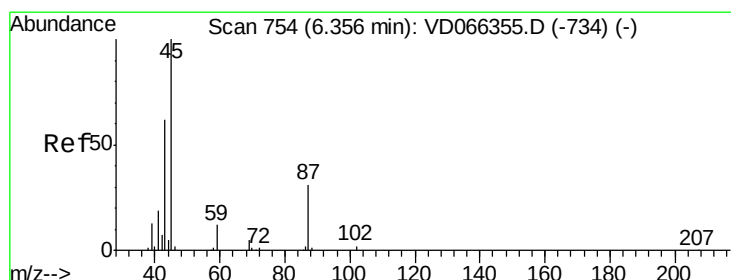
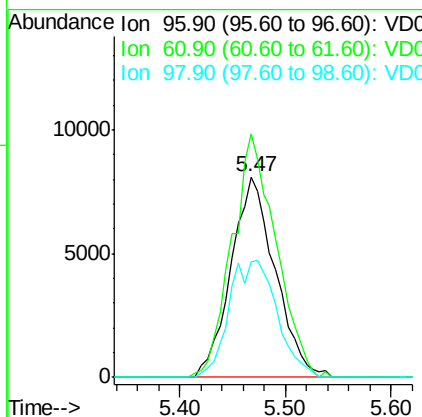
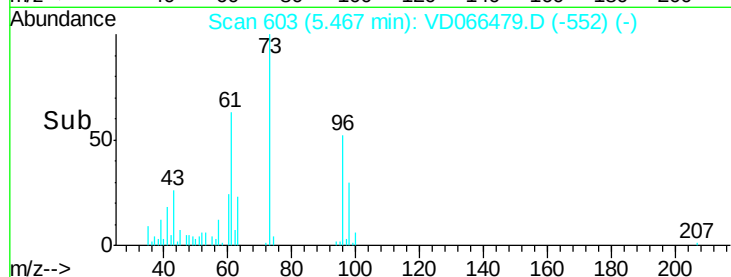
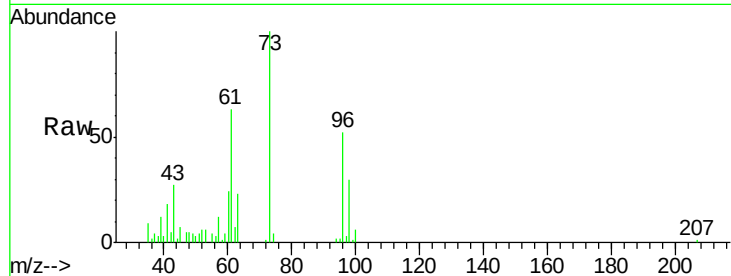
#21
trans-1,2-Dichloroethene
Concen: 17.544 ug/l
RT: 5.47 min Scan# 603
Delta R.T. -0.00 min
Lab File: VD066479.D
Acq: 31 Aug 2020 13:18

Instrument :
MSVOA_D
ClientSampleId :
VD0831SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	121.5	101.1	151.7
98	58.0	47.0	70.6

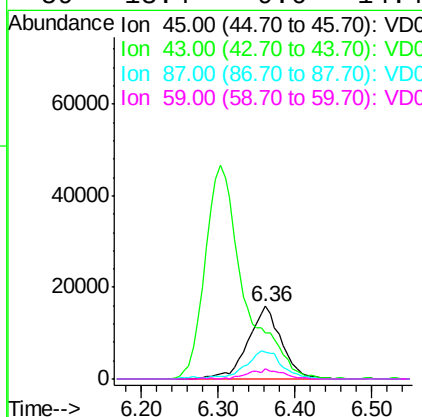
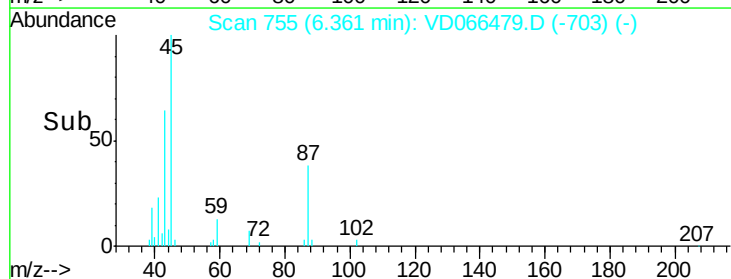
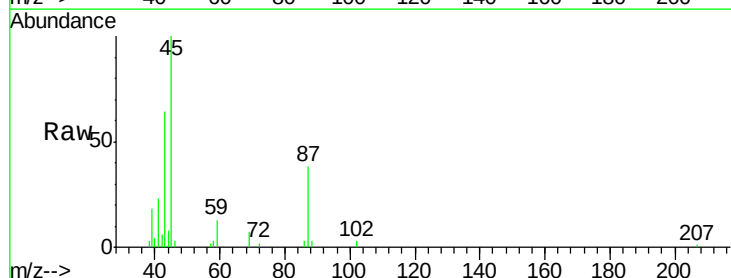
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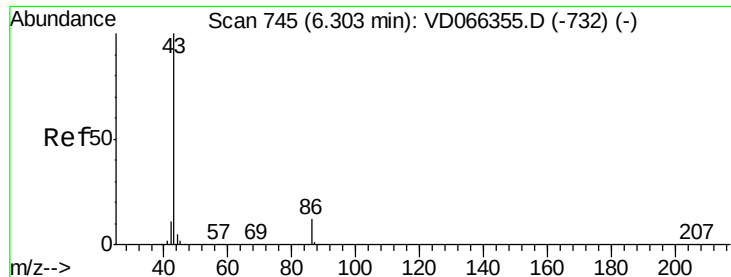
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#22
Diisopropyl ether
Concen: 16.218 ug/l
RT: 6.36 min Scan# 755
Delta R.T. 0.01 min
Lab File: VD066479.D
Acq: 31 Aug 2020 13:18

Tgt Ion	Ratio	Lower	Upper
45	100		
43	62.3	49.8	74.8
87	37.7	25.0	37.6#
59	13.4	9.6	14.4





#23

Vinyl Acetate

Concen: 88.804 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.00 min

Lab File: VD066479.D

Acq: 31 Aug 2020 13:18

Instrument :

MSVOA_D

ClientSampleId :

VD0831SBS01

Tot Ion: 43 Resp: 162879

Ion Ratio Lower Upper

43 100

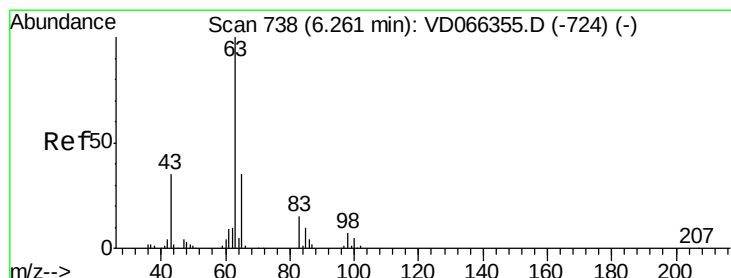
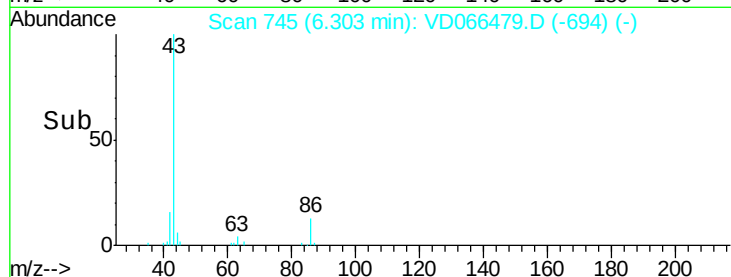
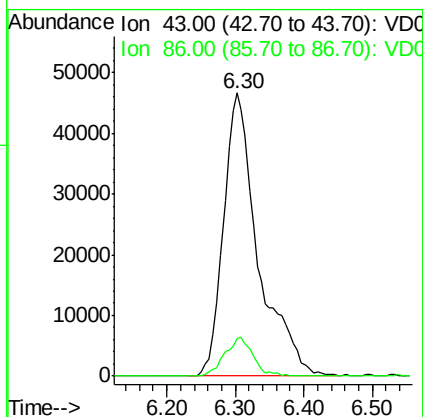
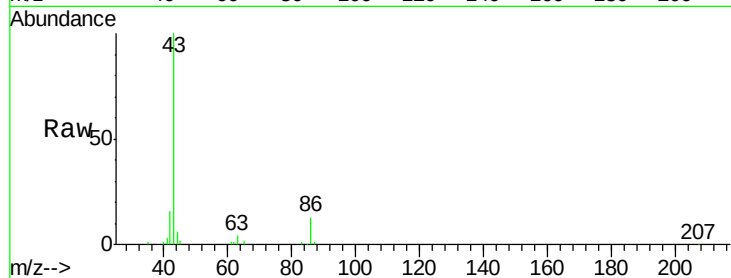
86 13.4 9.4 14.0

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#24

1,1-Dichloroethane

Concen: 18.086 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.00 min

Lab File: VD066479.D

Acq: 31 Aug 2020 13:18

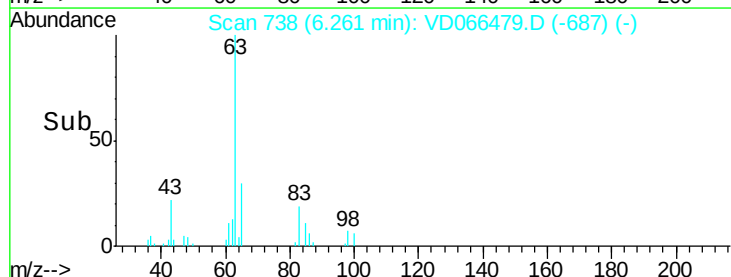
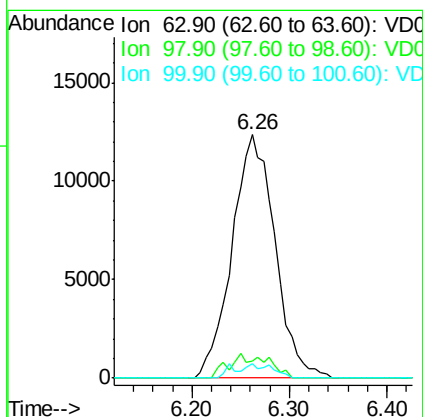
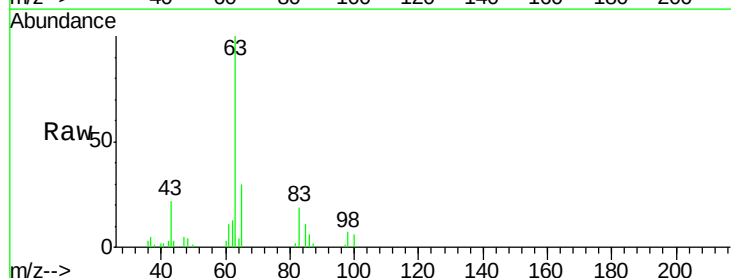
Tgt Ion: 63 Resp: 37868

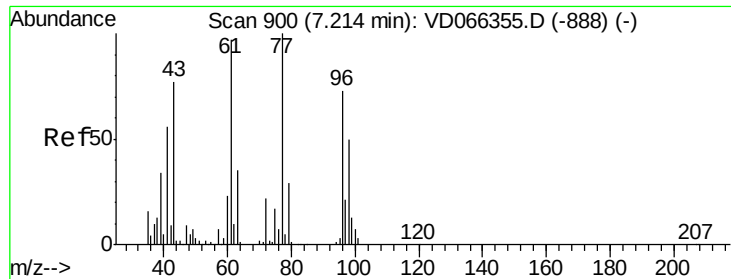
Ion Ratio Lower Upper

63 100

98 6.9 3.5 10.6

100 5.7 2.5 7.6





#25

2-Butanone

Concen: 90.751 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD066479.D

Acq: 31 Aug 2020 13:18

Instrument :

MSVOA_D

ClientSampleId :

VD0831SBS01

Tot Ion: 43 Resp: 25615

Ion Ratio Lower Upper

43 100

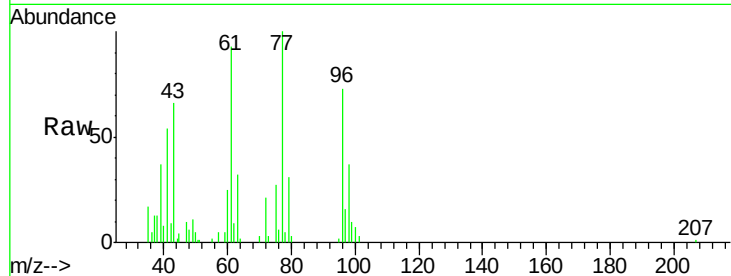
72 31.5 22.5 33.7

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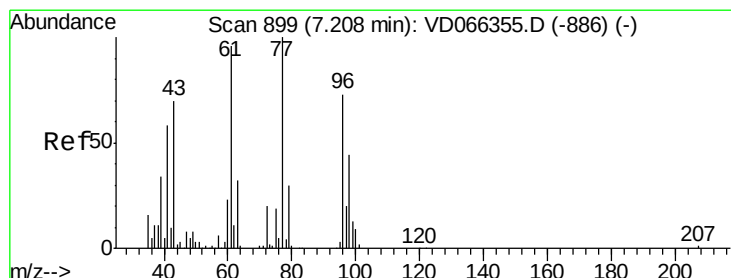
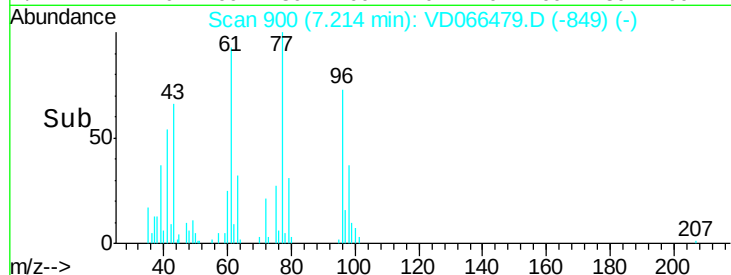
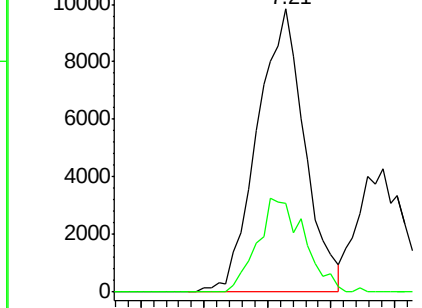
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 20.900 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD066479.D

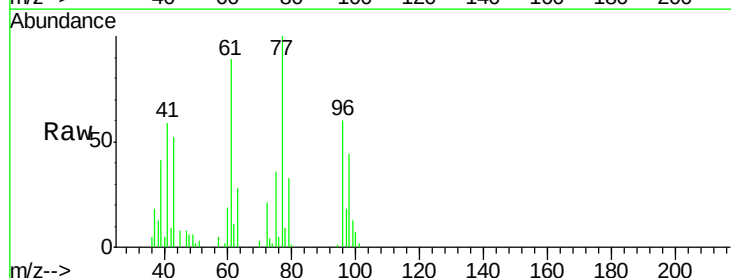
Acq: 31 Aug 2020 13:18

Tgt Ion: 77 Resp: 46900

Ion Ratio Lower Upper

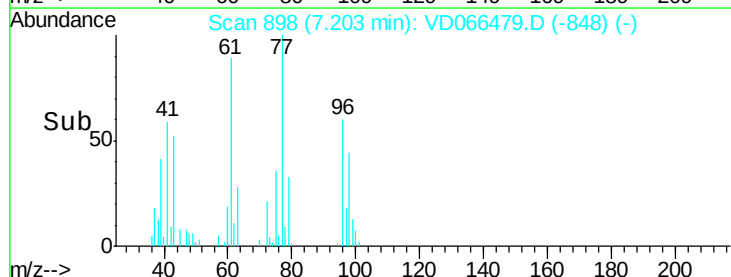
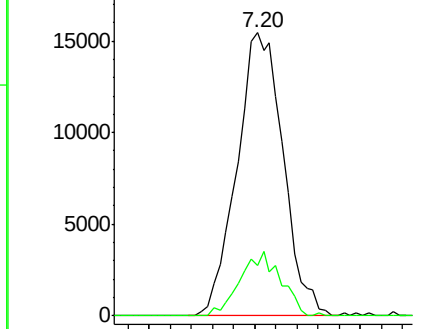
77 100

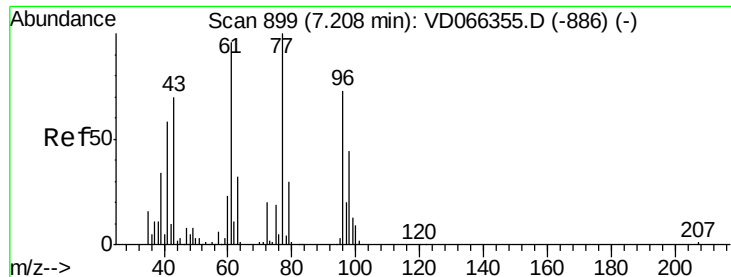
97 19.6 10.7 31.9



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





#27

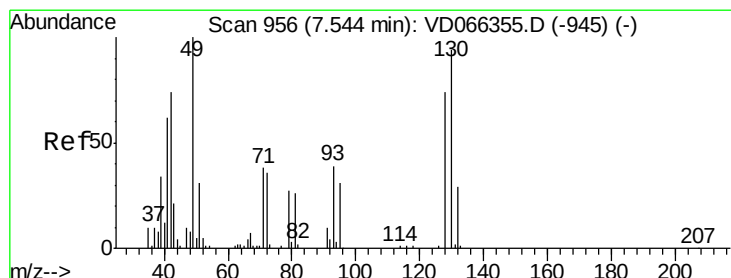
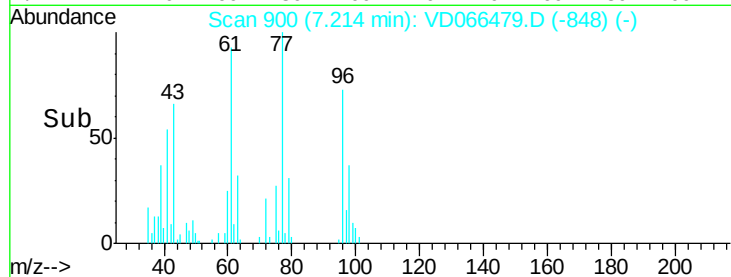
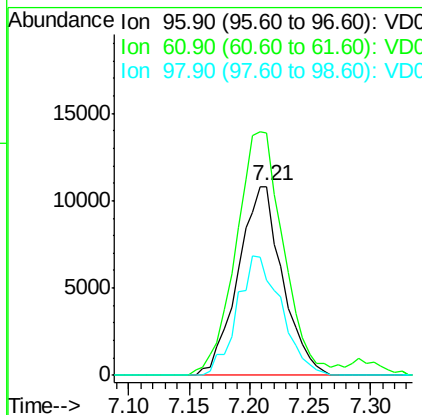
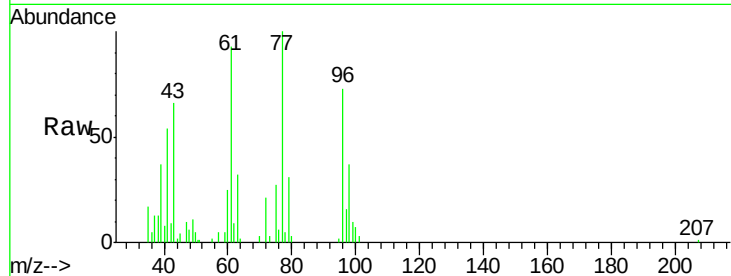
cis-1,2-Dichloroethene
 Concen: 19.341 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VD066479.D
 Acq: 31 Aug 2020 13:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0831SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	27658		
61	139.2	0.0	281.4	
98	62.6	0.0	132.2	

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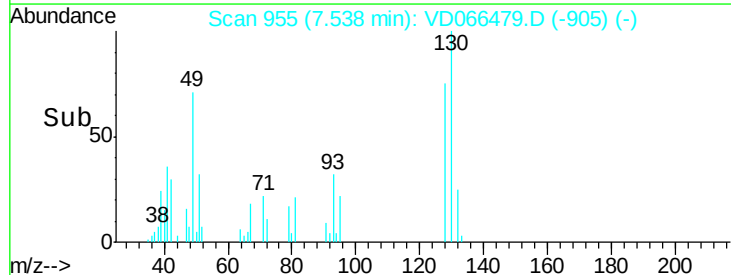
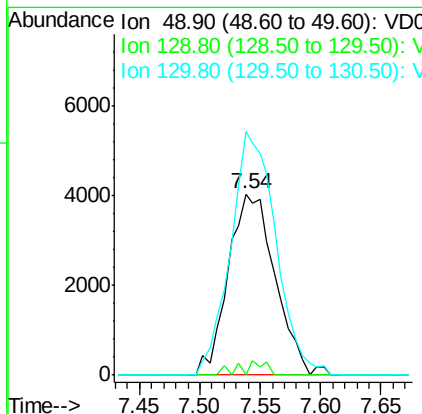
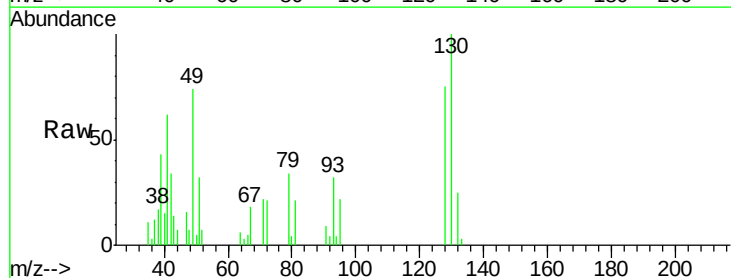
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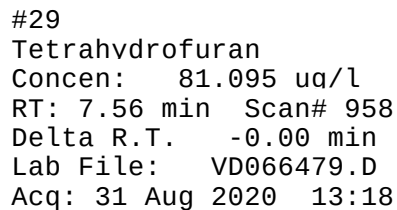


#28

Bromochloromethane
 Concen: 15.189 ug/l
 RT: 7.54 min Scan# 955
 Delta R.T. -0.01 min
 Lab File: VD066479.D
 Acq: 31 Aug 2020 13:18

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	10954		
129	3.4	0.0	3.0#	
130	129.4	82.6	124.0#	



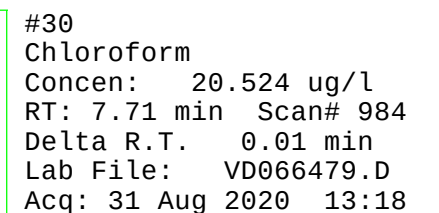
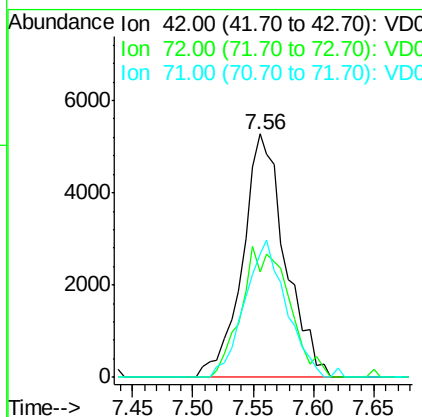


Instrument :
MSVOA_D
ClientSampleId :
VD0831SBSD01

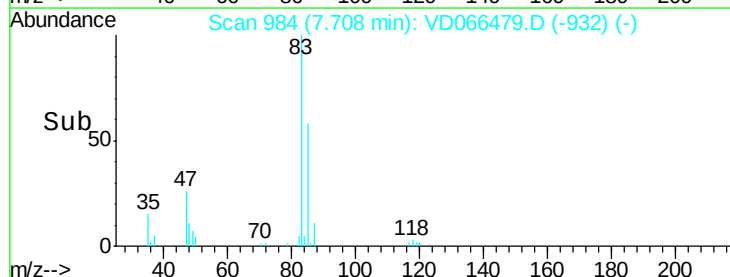
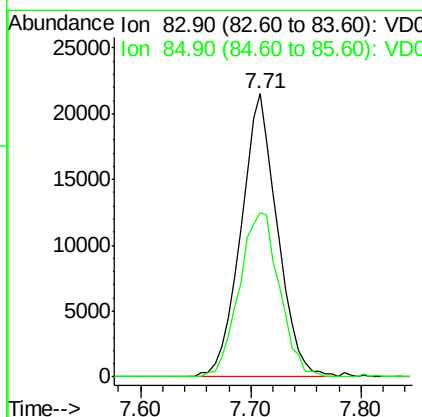
Tot	Ion: 42	Resp:	13001
Ion	Ratio	Lower	Upper
42	100		
72	59.7	41.0	61.4
71	54.6	37.2	55.8

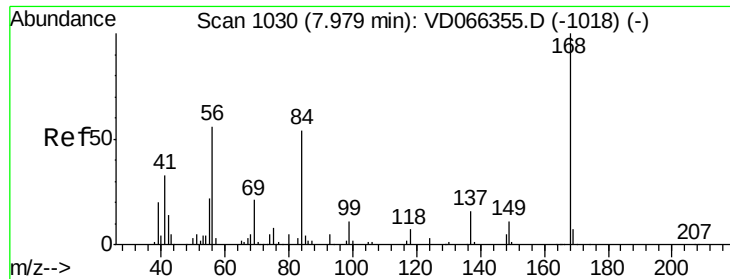
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Tgt	Ion: 83	Resp:	49718
Ion	Ratio	Lower	Upper
83	100		
85	58.1	50.3	75.5





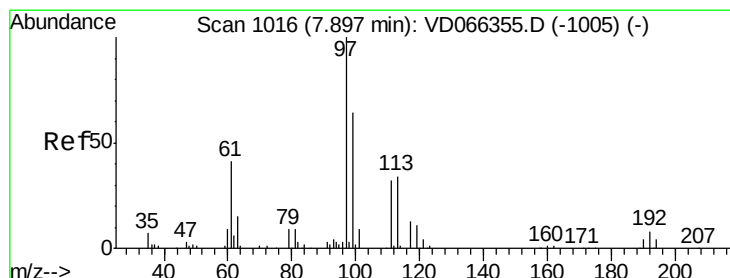
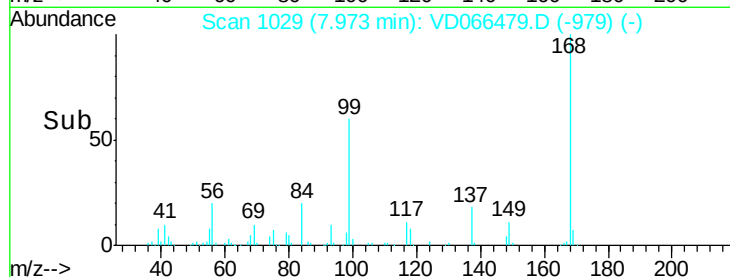
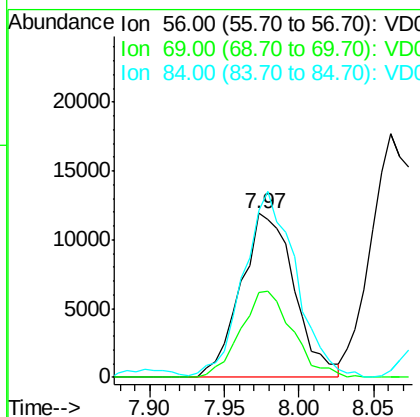
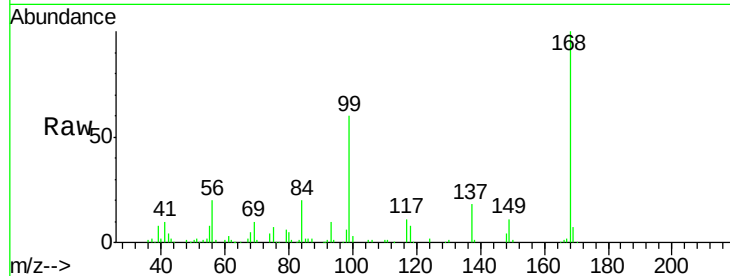
#31
Cyclohexane
Concen: 15.515 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD066479.D
Acq: 31 Aug 2020 13:18

Instrument :
MSVOA_D
ClientSampleId :
VD0831SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	51.5	29.6	44.4#
84	100.2	76.6	115.0

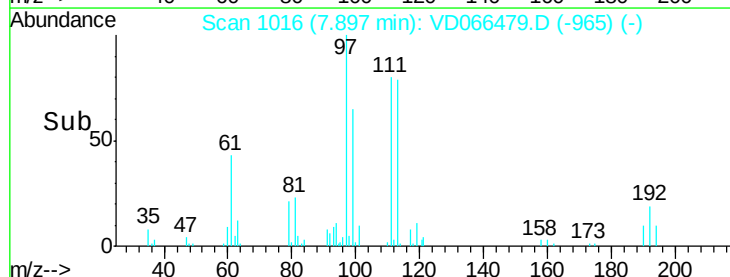
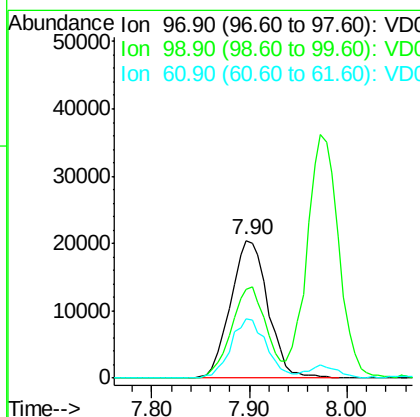
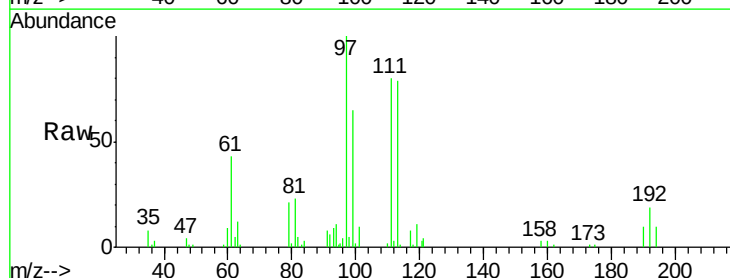
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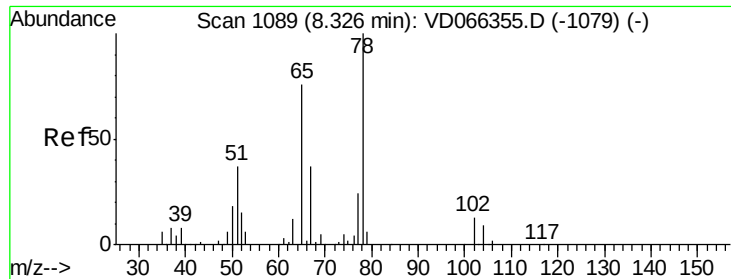
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#32
1,1,1-Trichloroethane
Concen: 21.875 ug/l
RT: 7.90 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VD066479.D
Acq: 31 Aug 2020 13:18

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.2	51.5	77.3
61	41.4	33.3	49.9





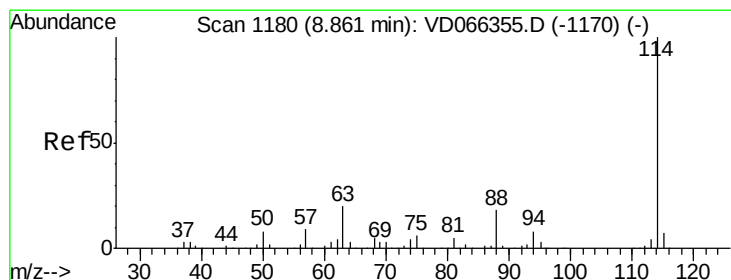
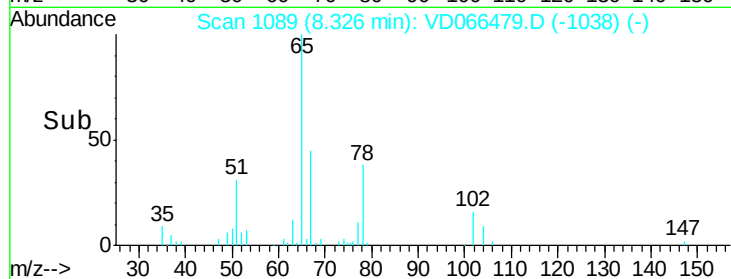
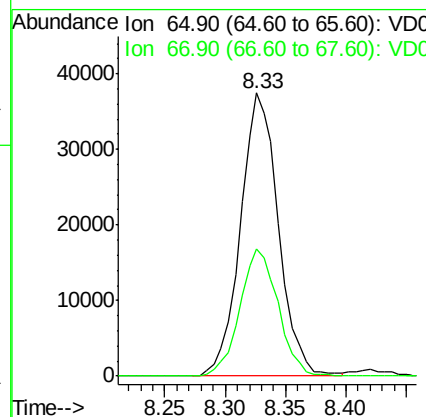
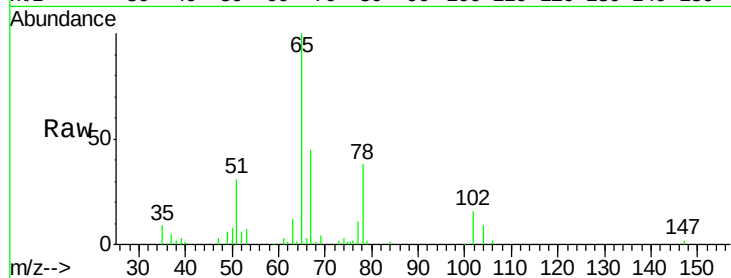
#33
 1,2-Dichloroethane-d4
 Concen: 59.187 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.00 min
 Lab File: VD066479.D
 Acq: 31 Aug 2020 13:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0831SBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	45.3	0.0	101.6

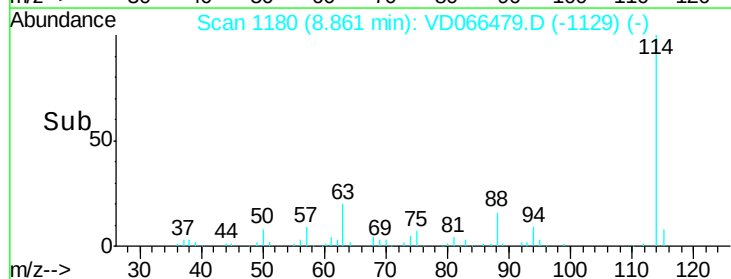
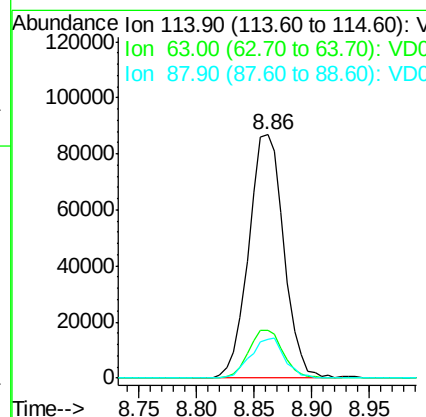
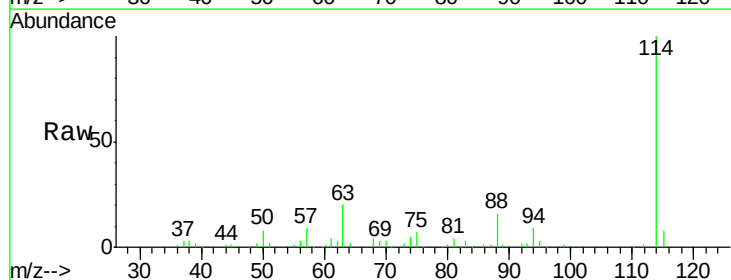
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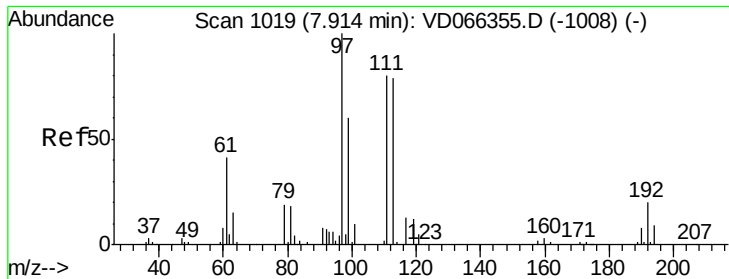
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VD066479.D
 Acq: 31 Aug 2020 13:18

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	40.8
88	15.7	0.0	35.4





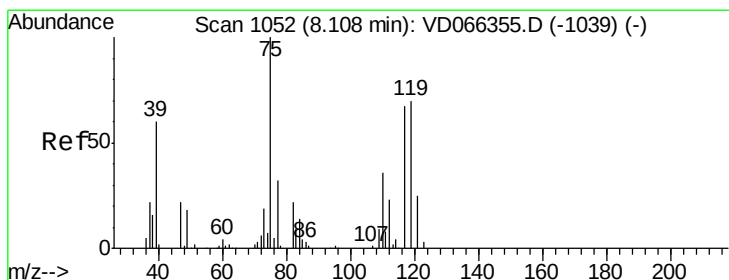
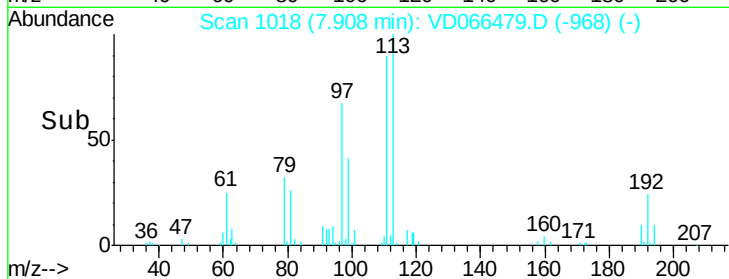
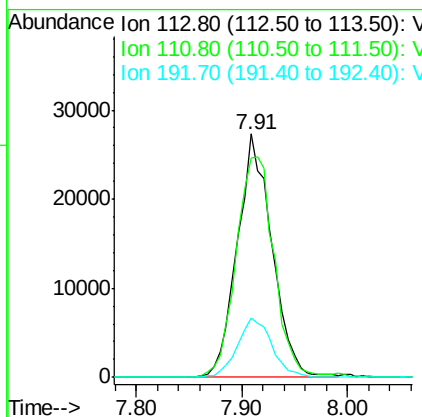
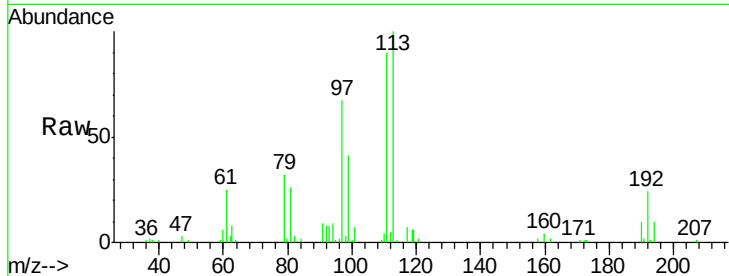
#35
Dibromofluoromethane
Concen: 53.908 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. -0.01 min
Lab File: VD066479.D
Acq: 31 Aug 2020 13:18

Instrument :
MSVOA_D
ClientSampleId :
VD0831SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	98.8	80.3	120.5
192	24.2	19.0	28.6

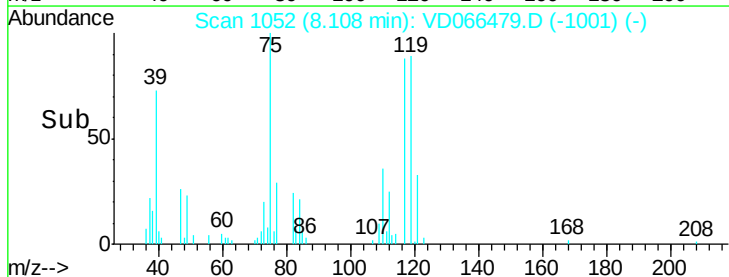
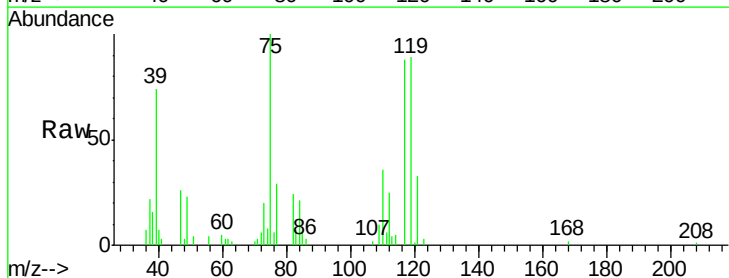
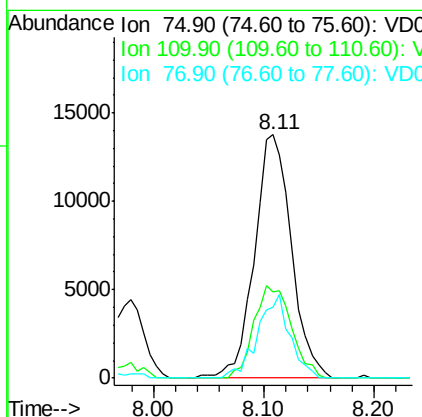
Manual Integrations
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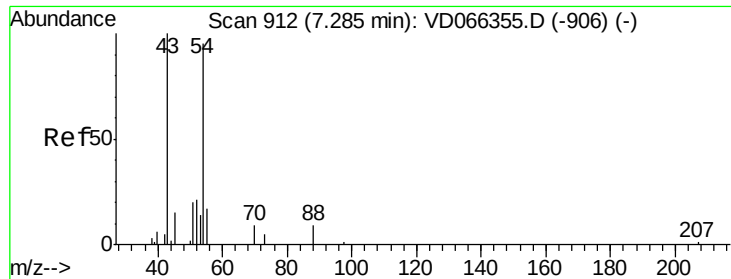
MMDadoda
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#36
1,1-Dichloropropene
Concen: 19.176 ug/l
RT: 8.11 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VD066479.D
Acq: 31 Aug 2020 13:18

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.5	18.7	56.1
77	29.9	25.2	37.8





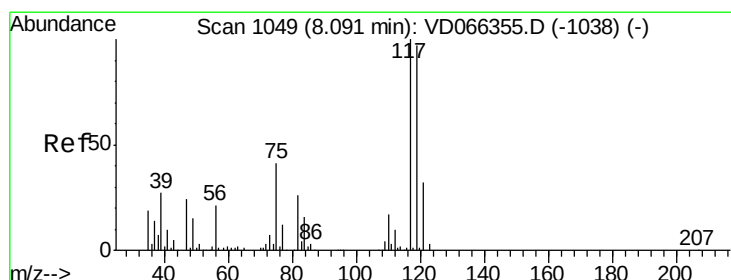
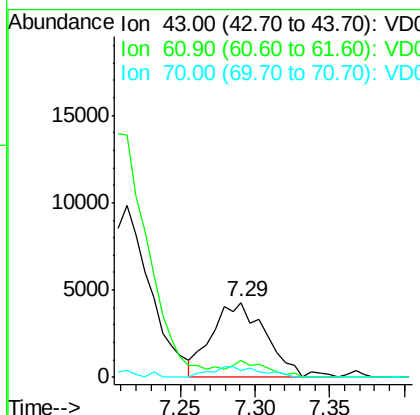
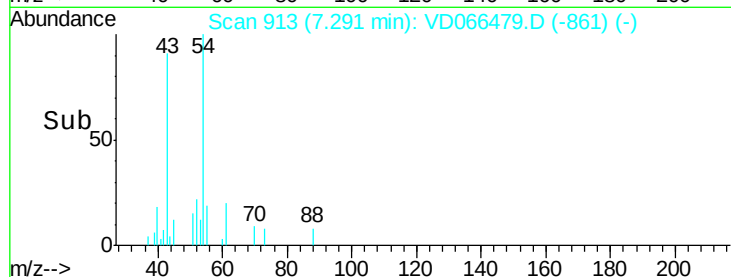
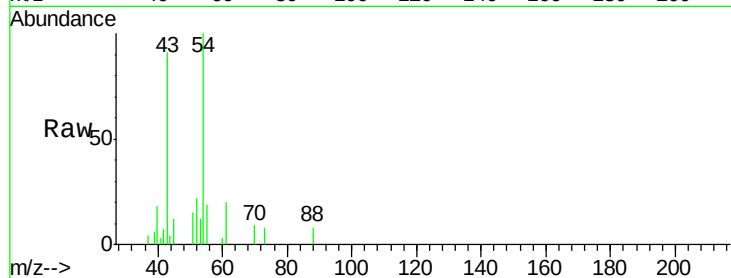
#37
Ethyl Acetate
Concen: 18.867 ug/l
RT: 7.29 min Scan# 913
Delta R.T. 0.01 min
Lab File: VD066479.D
Acq: 31 Aug 2020 13:18

Instrument :
MSVOA_D
ClientSampleId :
VD0831SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	13.3	19.9
70	13.3	3.5	5.3

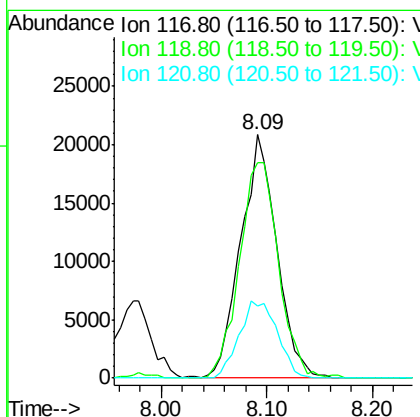
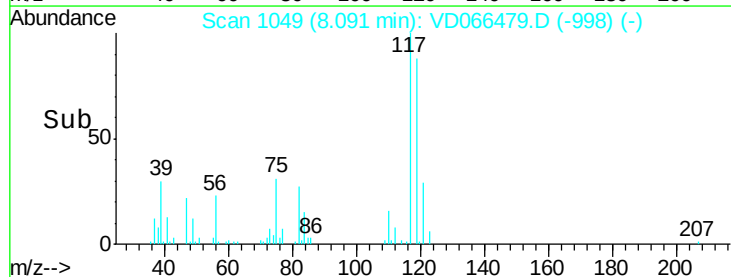
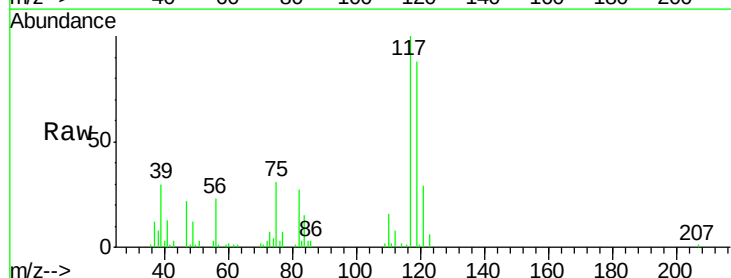
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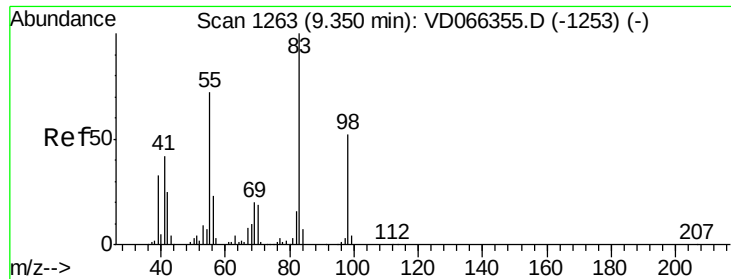
MMDadoda
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#38
Carbon Tetrachloride
Concen: 22.639 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.00 min
Lab File: VD066479.D
Acq: 31 Aug 2020 13:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	88.3	77.2	115.8
121	29.5	25.8	38.8





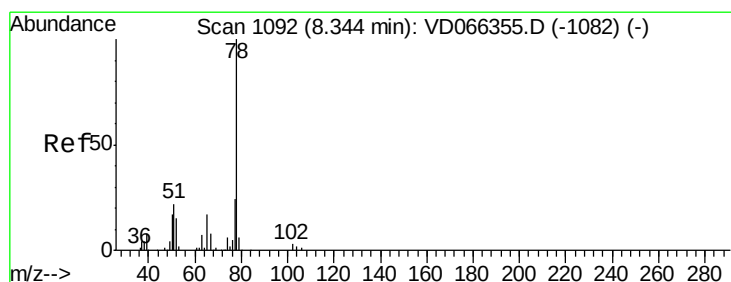
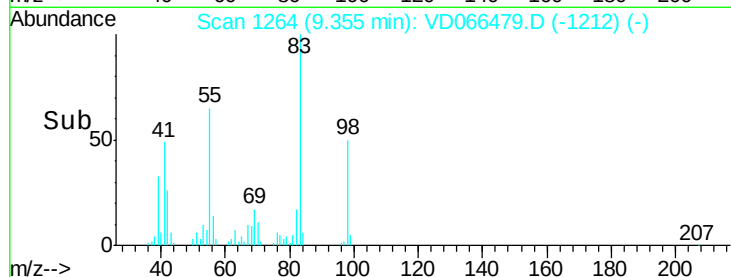
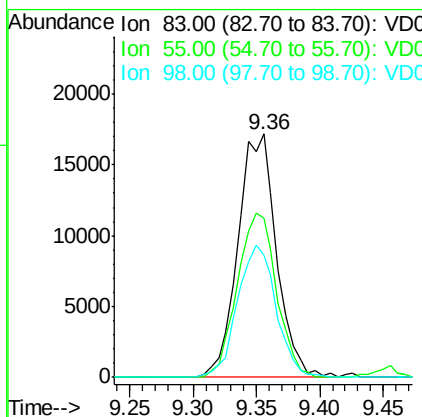
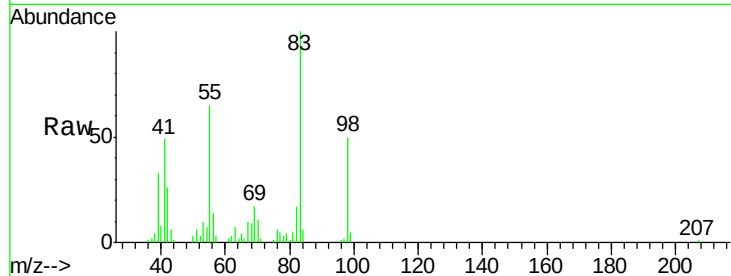
#39
Methylvlcyclohexane
Concen: 18.346 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.01 min
Lab File: VD066479.D
Acq: 31 Aug 2020 13:18

Instrument :
MSVOA_D
ClientSampleId :
VD0831SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	65.3	58.0	87.0
98	49.9	41.9	62.9

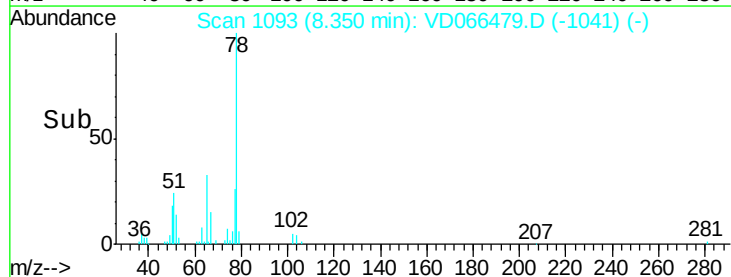
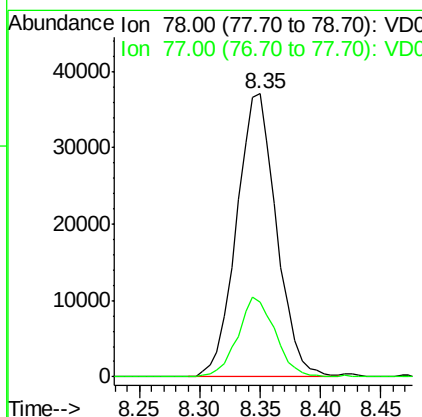
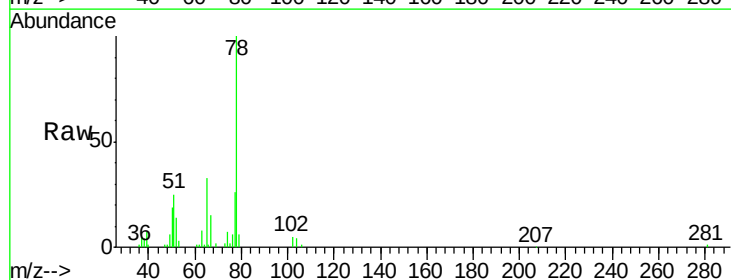
Manual Integrations
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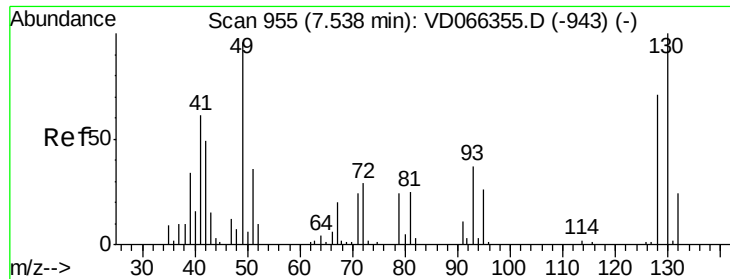
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#40
Benzene
Concen: 19.327 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.01 min
Lab File: VD066479.D
Acq: 31 Aug 2020 13:18

Tgt Ion	Ratio	Lower	Upper
78	100		
77	26.4	18.8	28.2





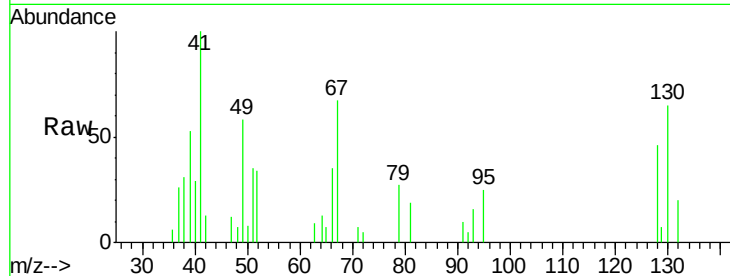
#41
Methacrylonitrile
Concen: 17.992 ug/l m
RT: 7.52 min Scan# 952
Delta R.T. -0.02 min
Lab File: VD066479.D
Acq: 31 Aug 2020 13:18

Instrument :
MSVOA_D
ClientSampleId :
VD0831SBS01

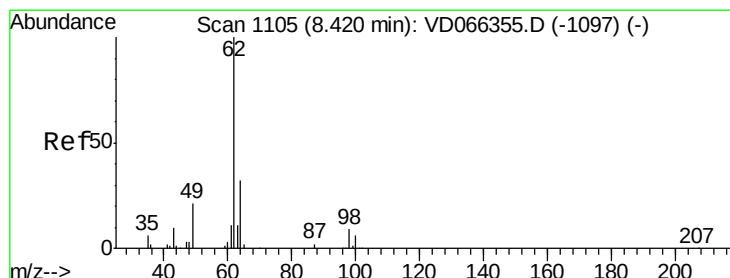
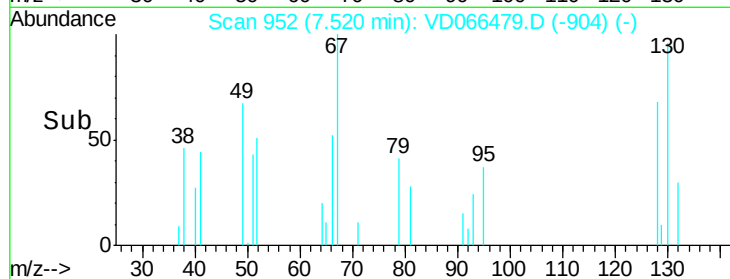
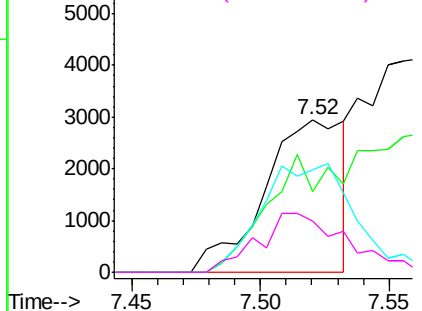
Tot Ion	Ratio	Lower	Upper
41	100		
39	111.2	51.8	77.8#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

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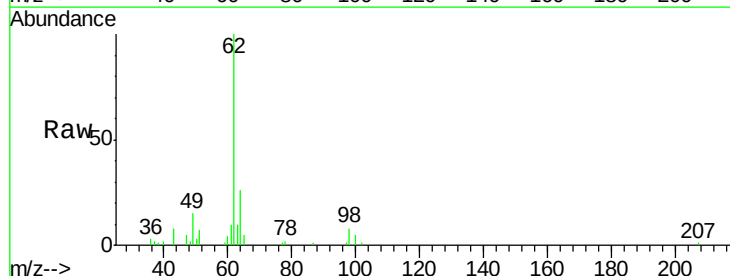


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

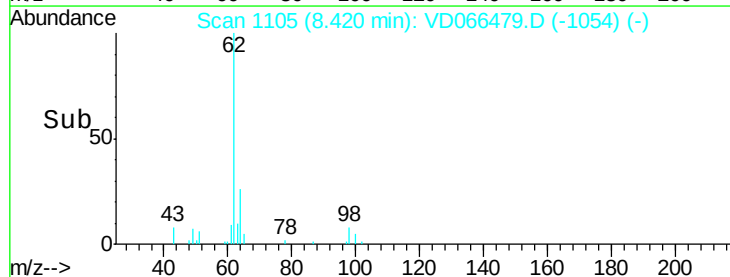
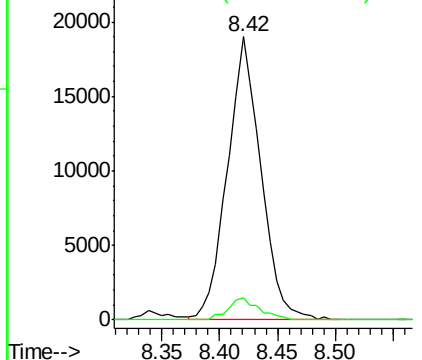


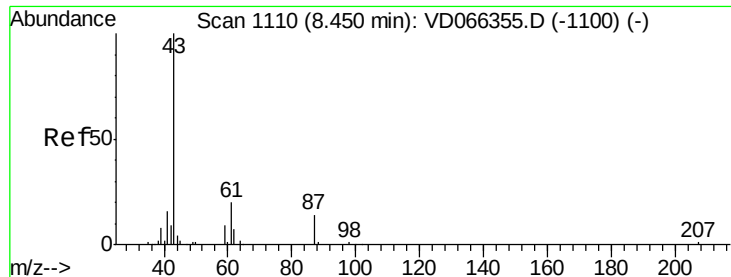
#42
1,2-Dichloroethane
Concen: 24.512 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. -0.00 min
Lab File: VD066479.D
Acq: 31 Aug 2020 13:18

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: 19.315 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VD066479.D

Acq: 31 Aug 2020 13:18

Instrument :

MSVOA_D

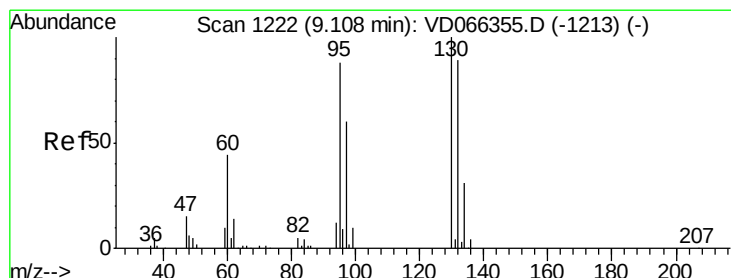
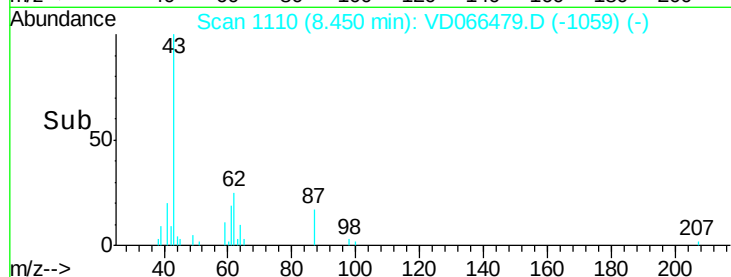
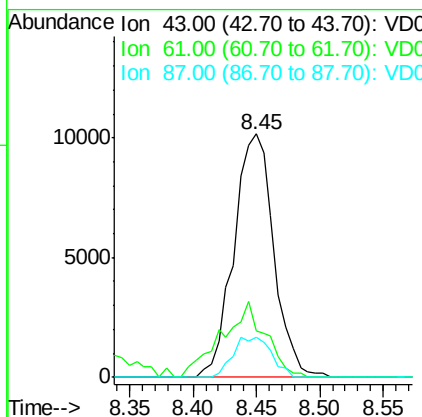
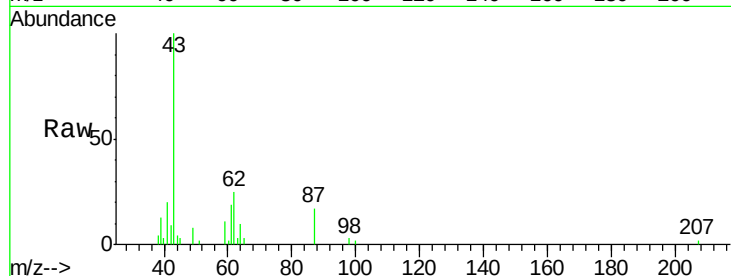
ClientSampleId :

VD0831SBS01

Tot Ion:	43	Resp:	22184
Ion	Ratio	Lower	Upper
43	100		
61	34.2	26.5	39.7
87	15.9	11.9	17.9

Manual Integrations
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#44

Trichloroethene

Concen: 19.851 ug/l

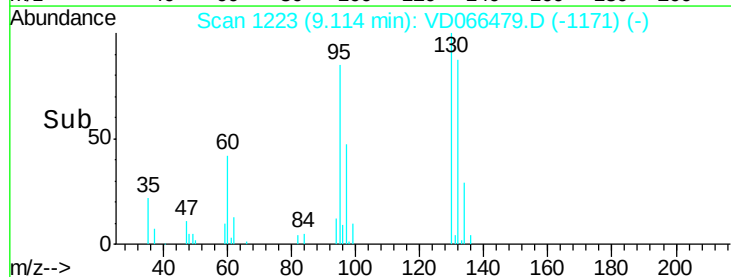
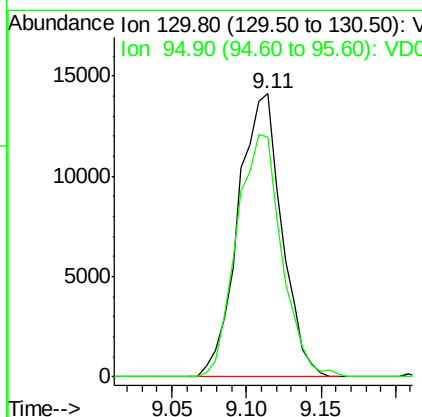
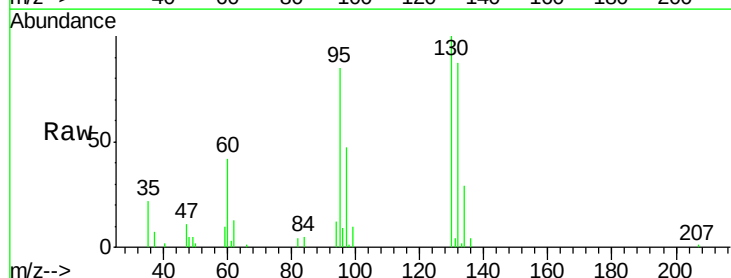
RT: 9.11 min Scan# 1223

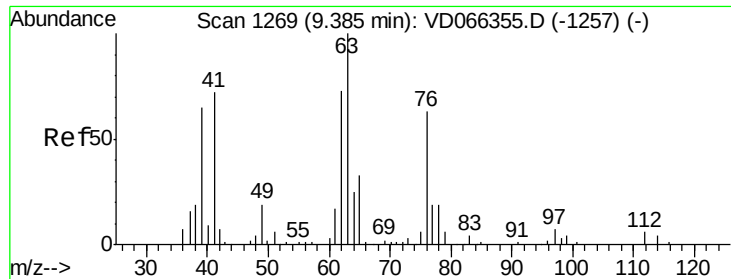
Delta R.T. 0.01 min

Lab File: VD066479.D

Acq: 31 Aug 2020 13:18

Tgt Ion:	130	Resp:	28549
Ion	Ratio	Lower	Upper
130	100		
95	84.9	0.0	175.6





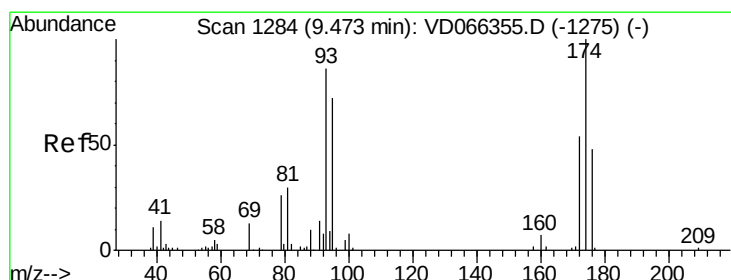
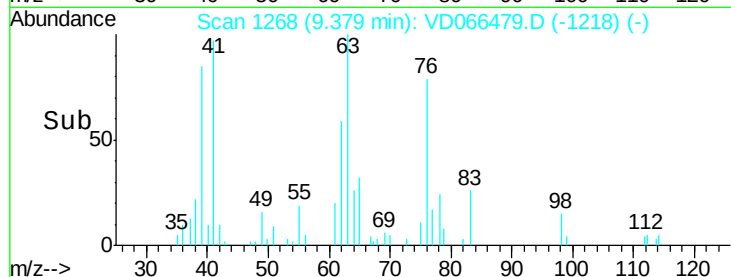
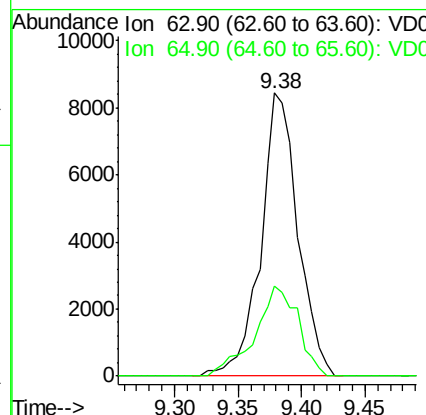
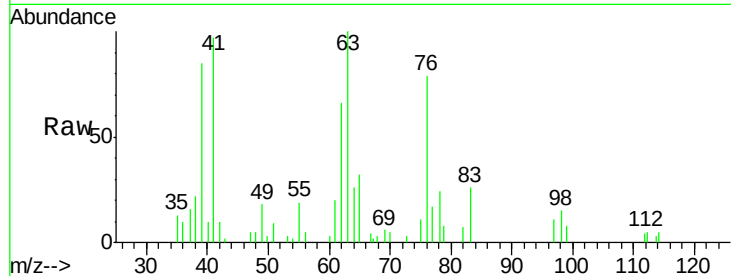
#45
 1,2-Dichloropropane
 Concen: 17.120 ug/l
 RT: 9.38 min Scan# 1268
 Delta R.T. -0.01 min
 Lab File: VD066479.D
 Acq: 31 Aug 2020 13:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0831SBS01

Tot Ion: 63 Resp: 17178
 Ion Ratio Lower Upper
 63 100
 65 31.8 26.4 39.6

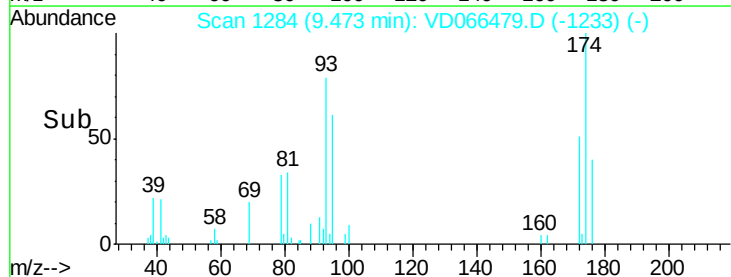
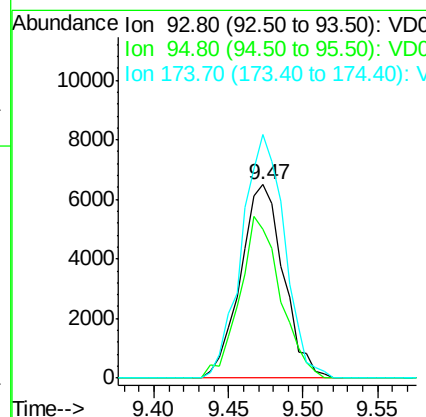
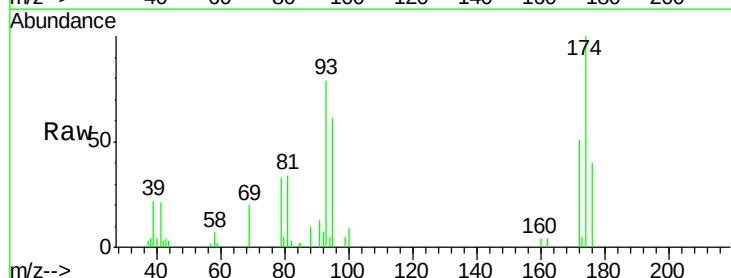
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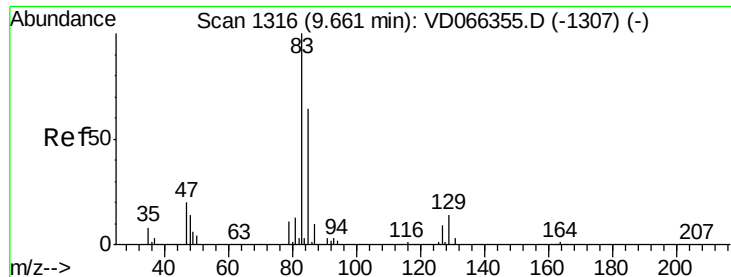
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 9/1/2020 12:38:55 PM



#46
 Dibromomethane
 Concen: 20.748 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. -0.00 min
 Lab File: VD066479.D
 Acq: 31 Aug 2020 13:18

Tgt Ion: 93 Resp: 12962
 Ion Ratio Lower Upper
 93 100
 95 79.0 66.0 99.0
 174 125.5 94.6 141.8





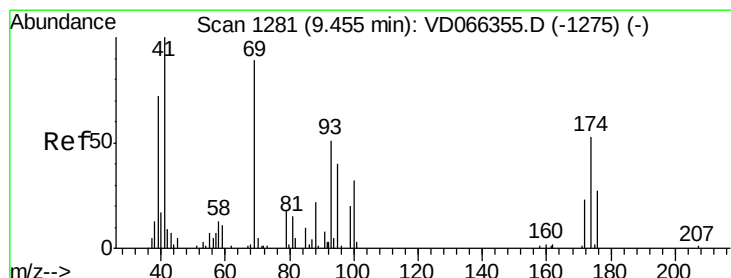
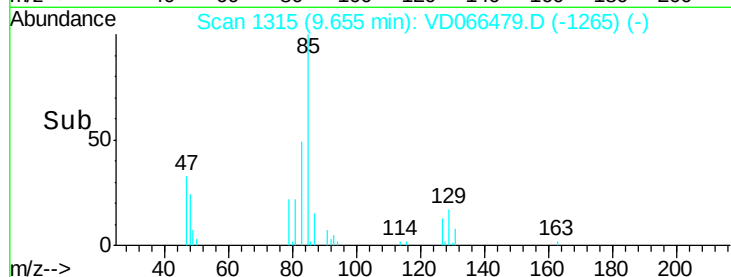
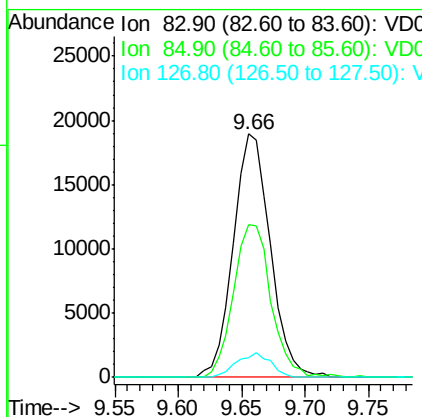
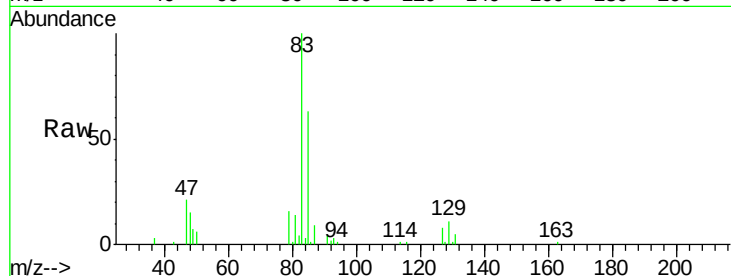
#47
Bromodichloromethane
Concen: 22.276 ug/l
RT: 9.66 min Scan# 1315
Delta R.T. -0.01 min
Lab File: VD066479.D
Acq: 31 Aug 2020 13:18

Instrument :
MSVOA_D
ClientSampleId :
VD0831SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	38271		
85	62.8		51.4	77.0
127	8.2		7.4	11.0

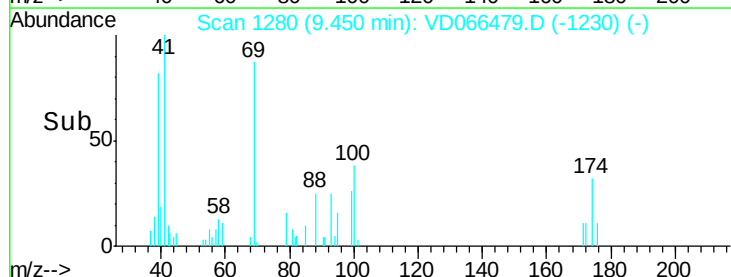
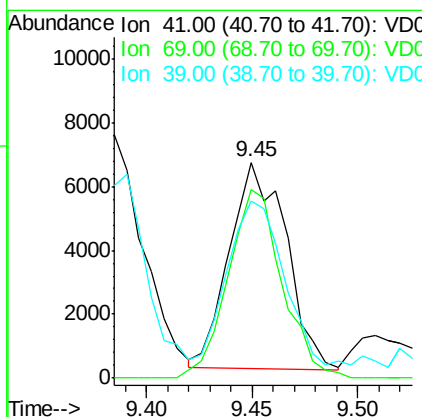
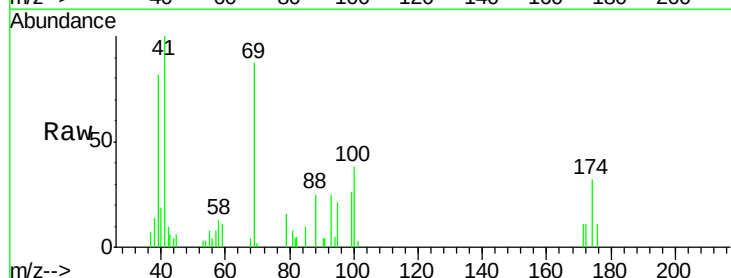
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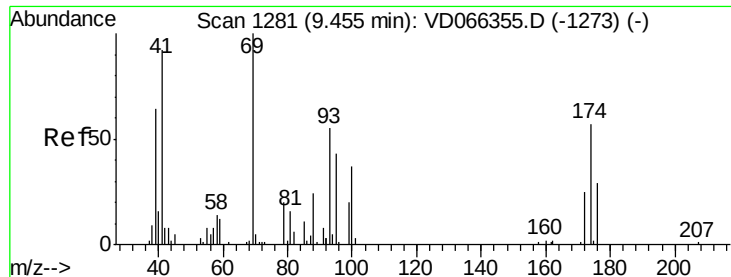
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#48
Methyl methacrylate
Concen: 20.254 ug/l
RT: 9.45 min Scan# 1280
Delta R.T. -0.01 min
Lab File: VD066479.D
Acq: 31 Aug 2020 13:18

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	11996		
69	87.2		75.5	113.3
39	94.2		57.0	85.4#





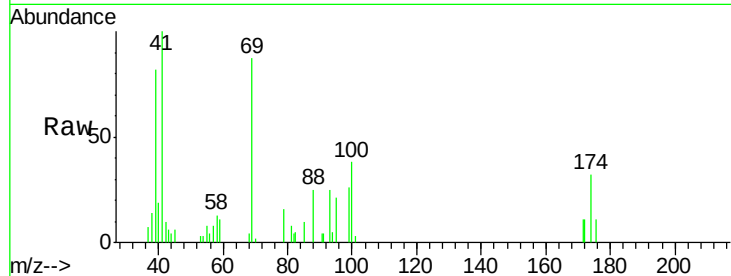
#49
1,4-Dioxane
Concen: 415.898 ug/l
RT: 9.45 min Scan# 1280
Delta R.T. -0.01 min
Lab File: VD066479.D
Acq: 31 Aug 2020 13:18

Instrument :
MSVOA_D
ClientSampleId :
VD0831SBSD01

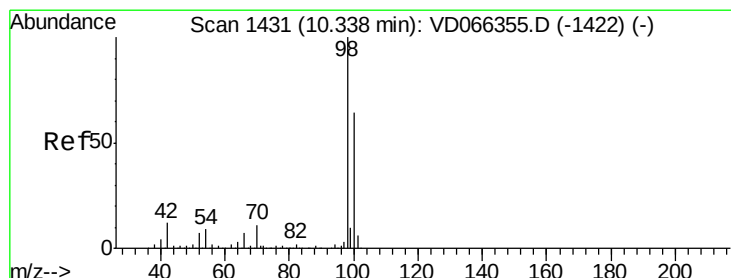
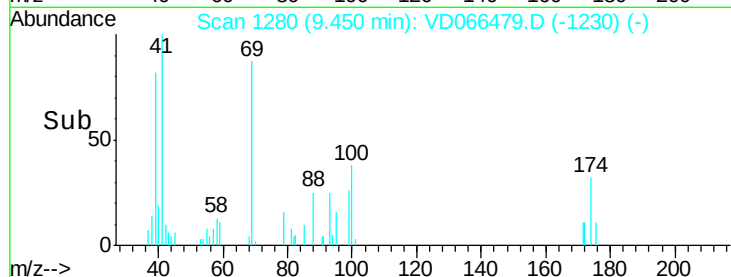
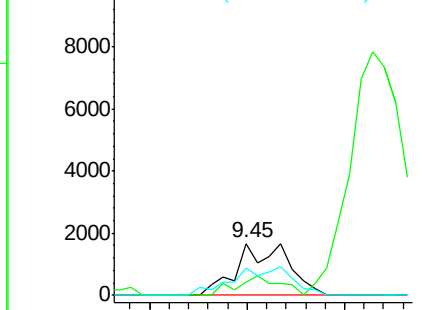
Tot Ion	Ratio	Lower	Upper
88	100		
43	31.7	29.4	44.0
58	64.5	45.4	68.2

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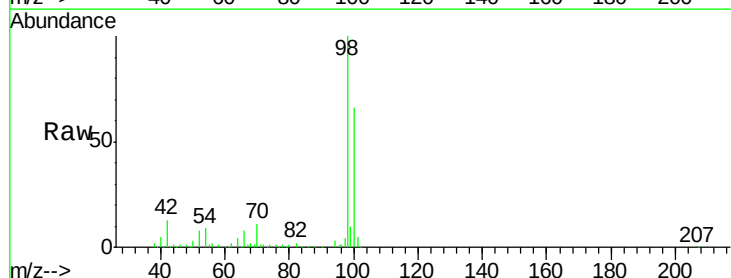


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

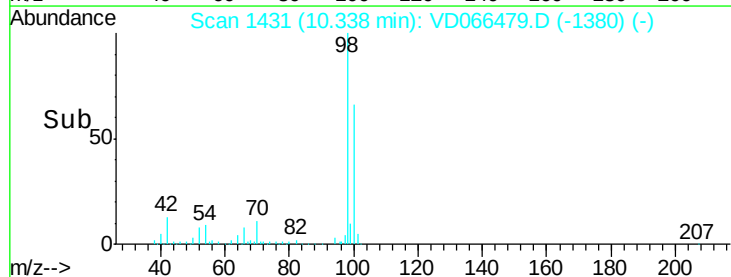
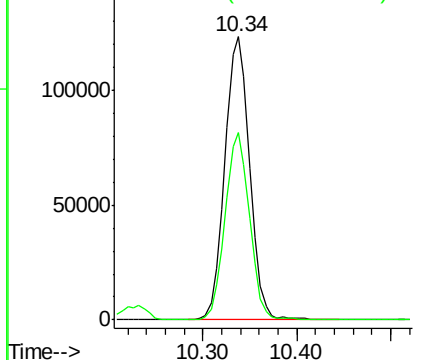


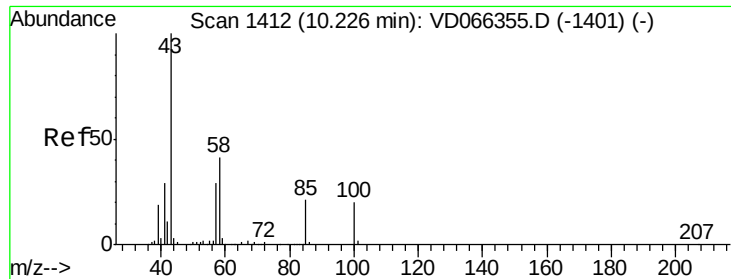
#50
Toluene-d8
Concen: 53.403 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066479.D
Acq: 31 Aug 2020 13:18

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.3	53.0	79.4



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC





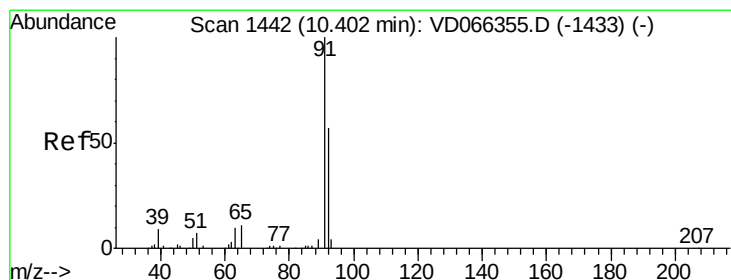
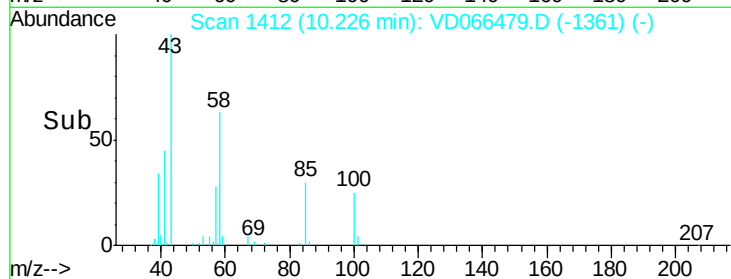
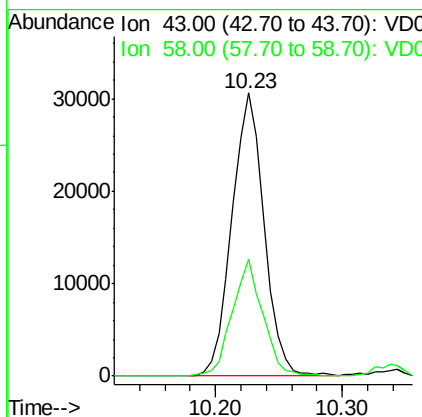
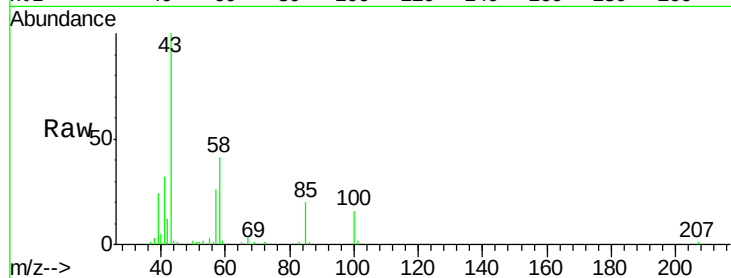
#51
4-Methyl-2-Pentanone
Concen: 96.989 ug/l
RT: 10.23 min Scan# 1412
Delta R.T. -0.00 min
Lab File: VD066479.D
Acq: 31 Aug 2020 13:18

Instrument :
MSVOA_D
ClientSampleId :
VD0831SBS01

Tot Ion	43	Resp	53889
Ion Ratio	43	100	
Lower	58	39.2	31.4
Upper			47.2

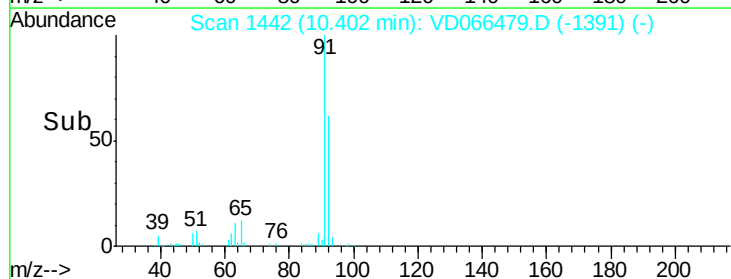
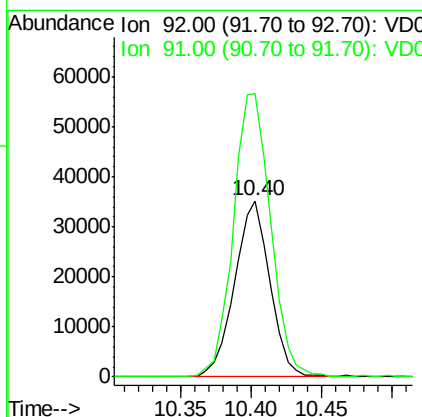
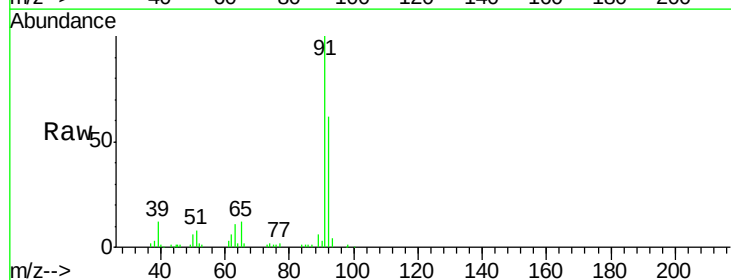
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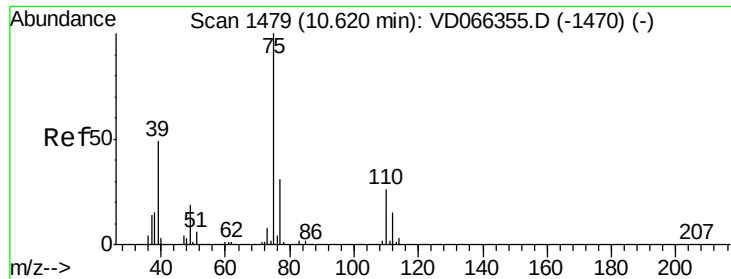
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#52
Toluene
Concen: 20.535 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. -0.00 min
Lab File: VD066479.D
Acq: 31 Aug 2020 13:18

Tgt Ion	92	Resp	61577
Ion Ratio	92	100	
Lower	91	169.4	135.8
Upper			203.6





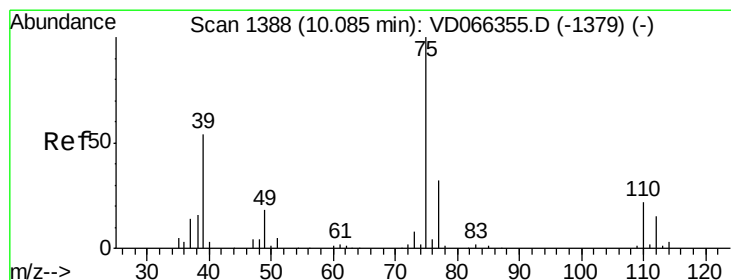
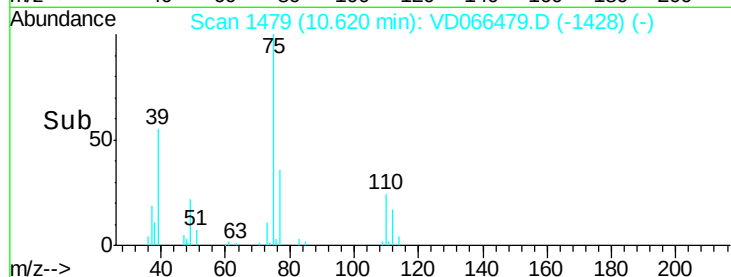
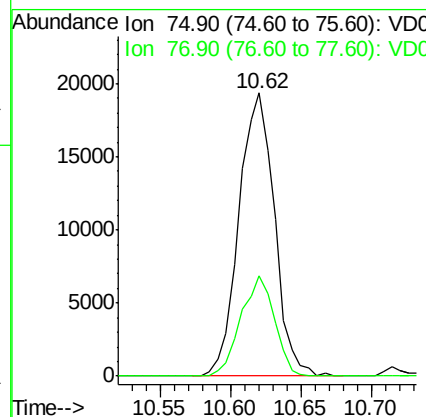
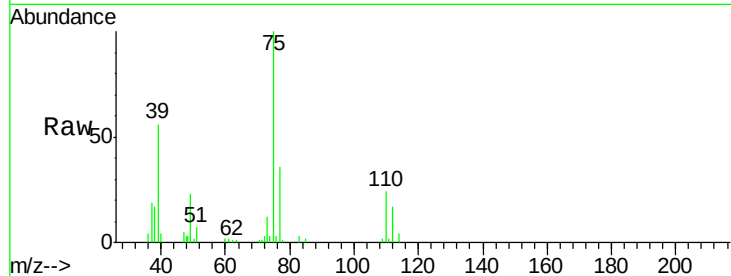
#53
 t-1,3-Dichloropropene
 Concen: 20.868 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. -0.00 min
 Lab File: VD066479.D
 Acq: 31 Aug 2020 13:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0831SBSD01

Tot Ion: 75 Resp: 34020
 Ion Ratio Lower Upper
 75 100
 77 35.5 24.5 36.7

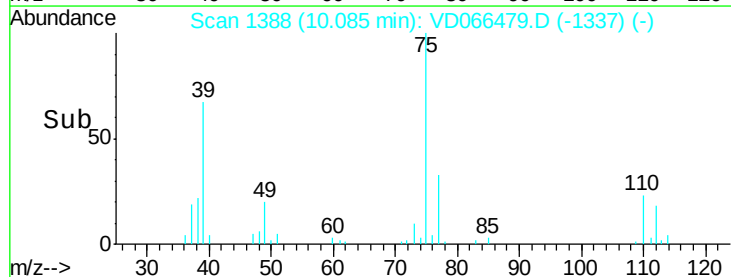
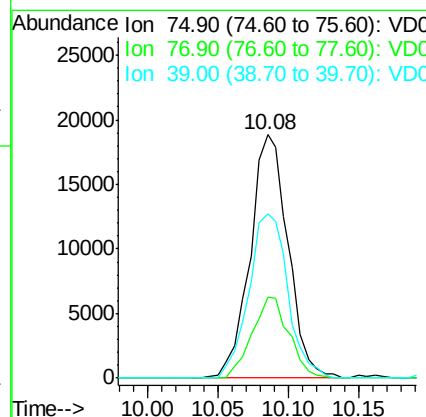
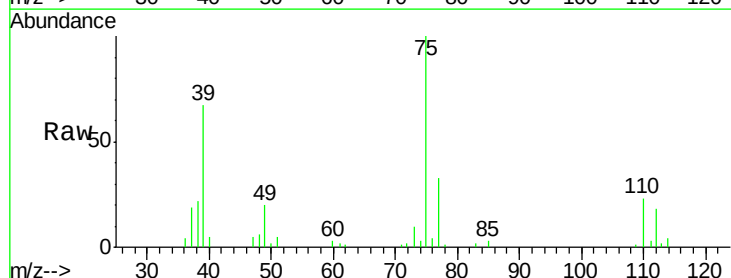
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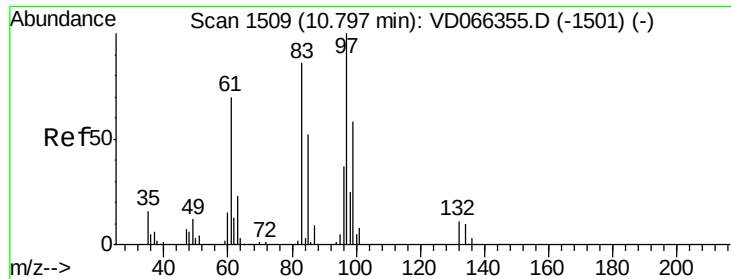
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#54
 cis-1,3-Dichloropropene
 Concen: 19.377 ug/l
 RT: 10.08 min Scan# 1388
 Delta R.T. -0.00 min
 Lab File: VD066479.D
 Acq: 31 Aug 2020 13:18

Tgt Ion: 75 Resp: 35458
 Ion Ratio Lower Upper
 75 100
 77 33.4 25.6 38.4
 39 67.3 43.4 65.0#





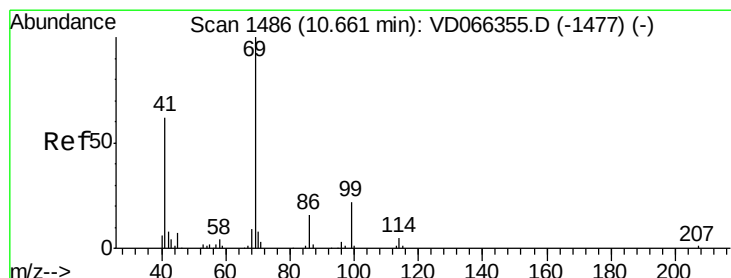
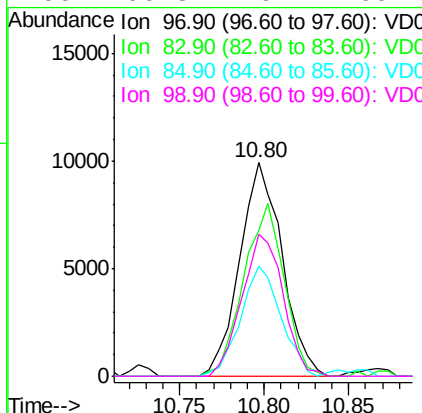
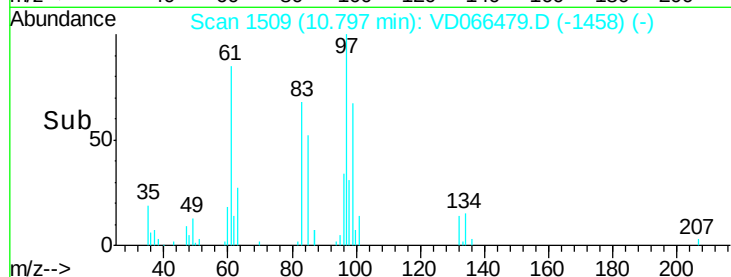
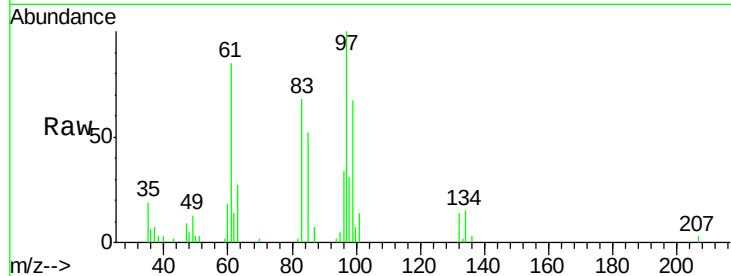
#55
 1,1,2-Trichloroethane
 Concen: 20.552 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.00 min
 Lab File: VD066479.D
 Acq: 31 Aug 2020 13:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0831SBS01

Tot Ion:	97	Resp:	17382
Ion	Ratio	Lower	Upper
97	100		
83	68.2	68.4	102.6#
85	51.8	41.3	61.9
99	66.8	46.1	69.1

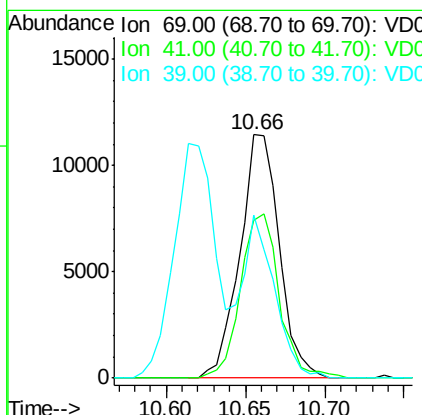
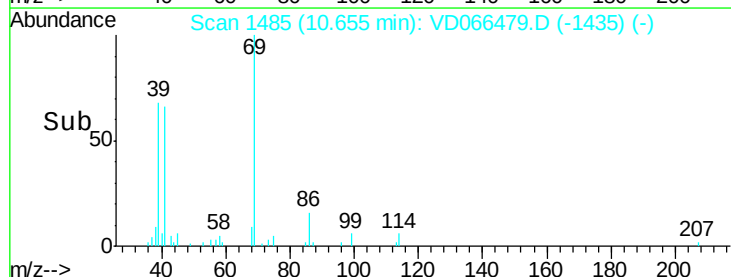
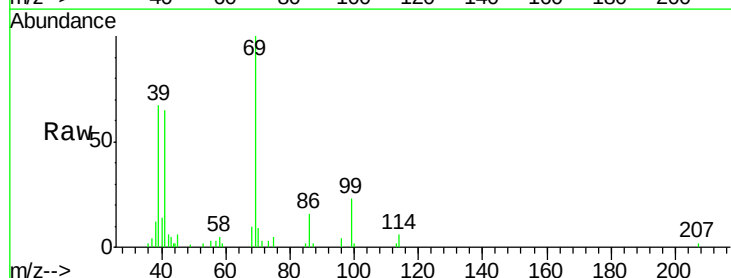
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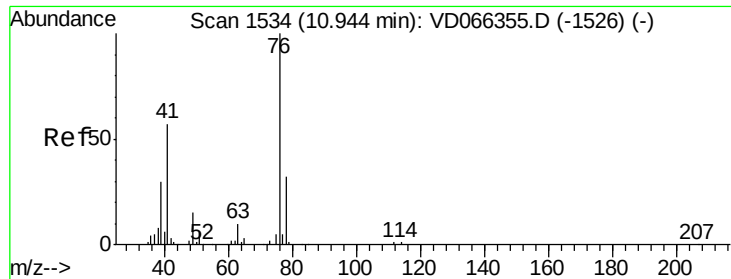
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#56
 Ethyl methacrylate
 Concen: 20.212 ug/l
 RT: 10.66 min Scan# 1485
 Delta R.T. -0.01 min
 Lab File: VD066479.D
 Acq: 31 Aug 2020 13:18

Tgt Ion:	69	Resp:	19789
Ion	Ratio	Lower	Upper
69	100		
41	66.2	50.8	76.2
39	56.3	32.9	49.3#





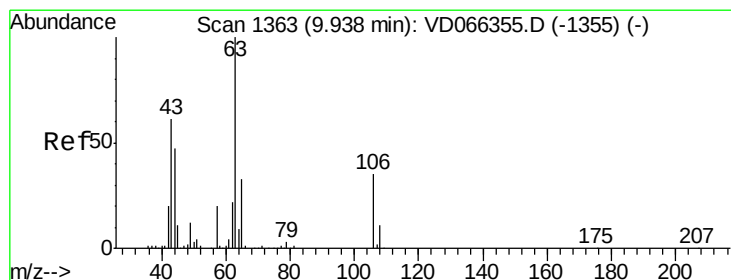
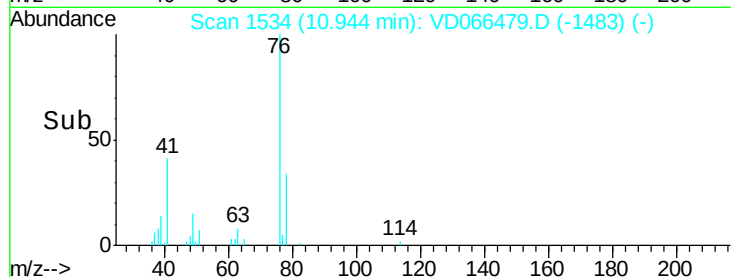
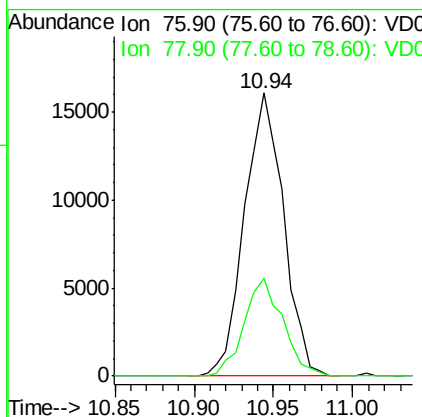
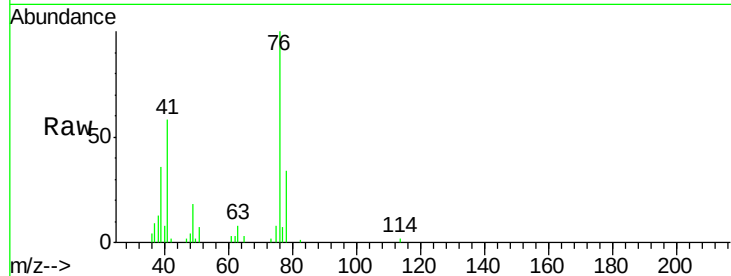
#57
 1,3-Dichloropropane
 Concen: 19.771 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VD066479.D
 Acq: 31 Aug 2020 13:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0831SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	34.1	25.6	38.4

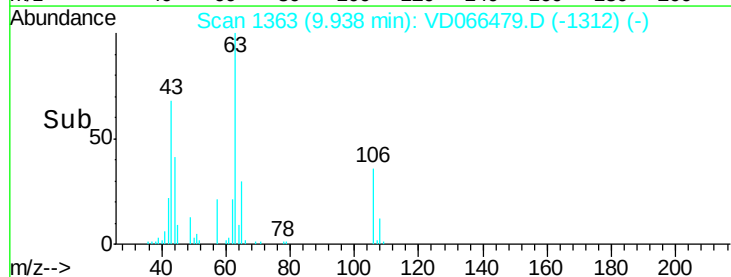
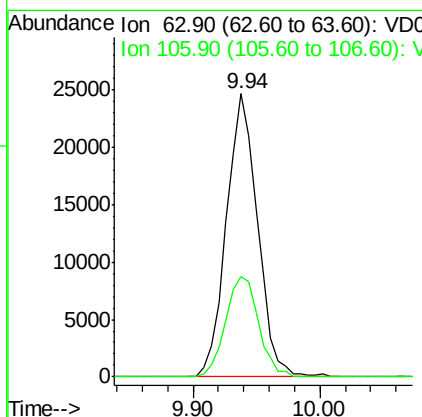
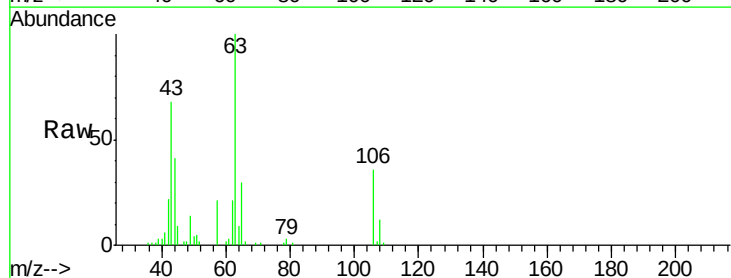
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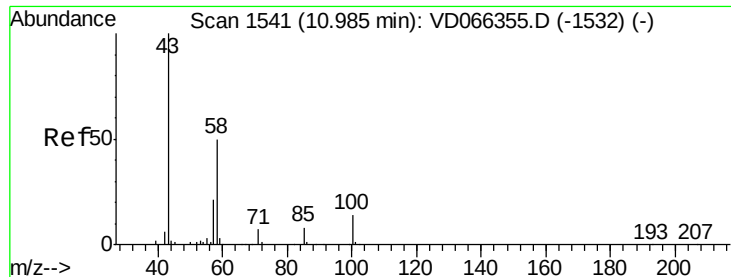
MMDadoda
 9/1/2020 12:38:55 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 102.924 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VD066479.D
 Acq: 31 Aug 2020 13:18

Tgt Ion	Ratio	Lower	Upper
63	100		
106	37.4	27.1	40.7





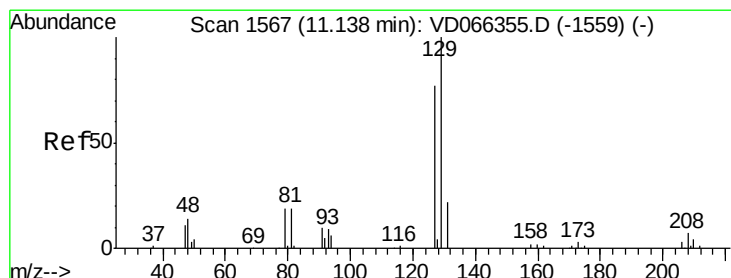
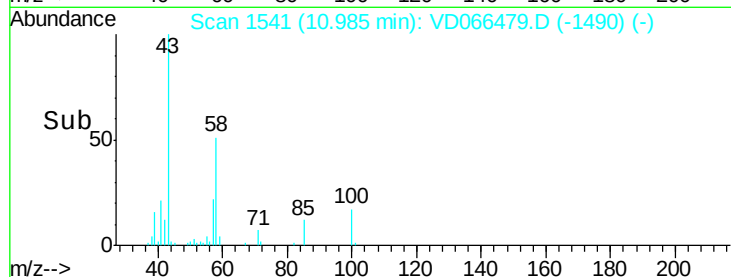
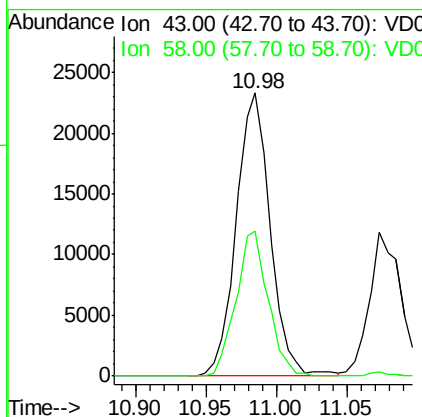
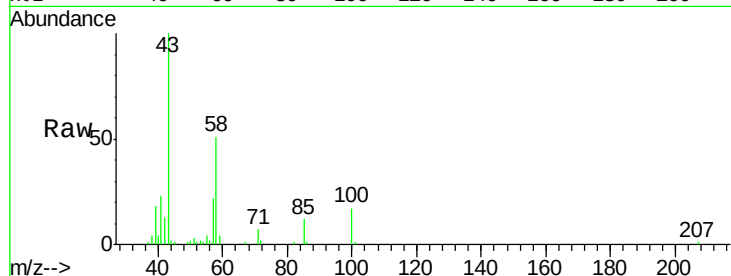
#59
2-Hexanone
Concen: 100.147 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VD066479.D
Acq: 31 Aug 2020 13:18

Instrument :
MSVOA_D
ClientSampleId :
VD0831SBS01

Tot Ion: 43 Resp: 39249
Ion Ratio Lower Upper
43 100
58 48.4 26.3 78.8

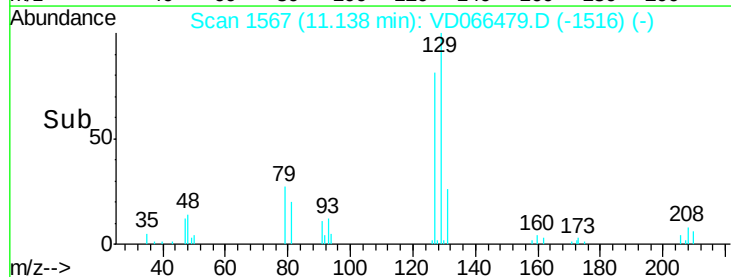
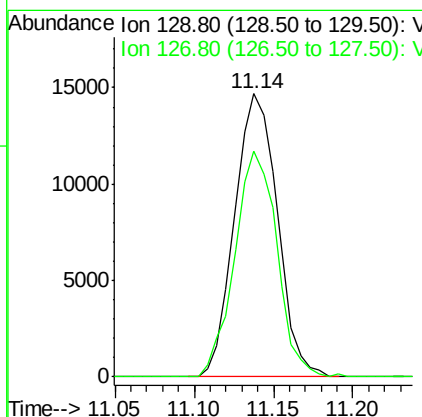
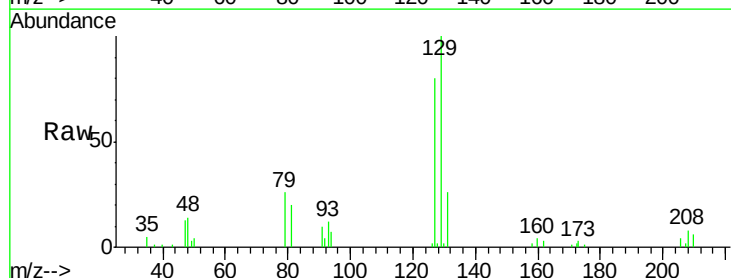
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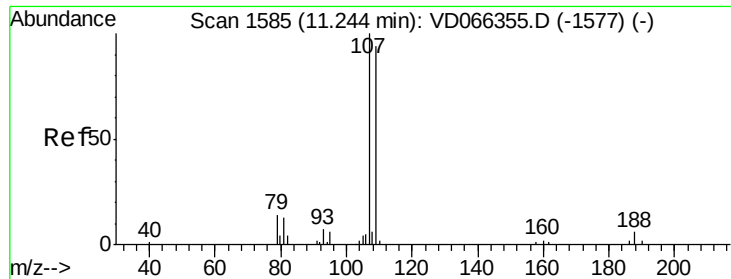
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9/1/2020 12:38:55 PM



#60
Dibromochloromethane
Concen: 21.631 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VD066479.D
Acq: 31 Aug 2020 13:18

Tgt Ion:129 Resp: 27576
Ion Ratio Lower Upper
129 100
127 78.8 39.0 117.0





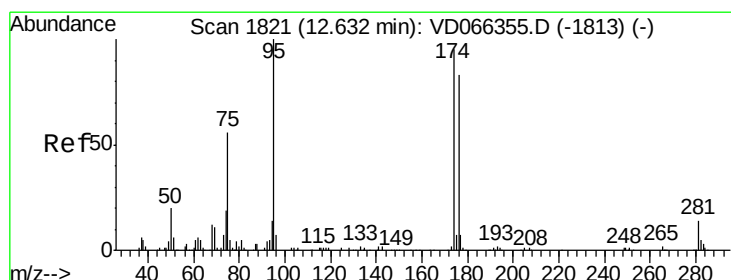
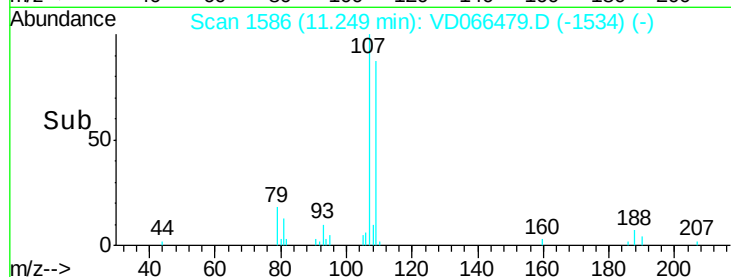
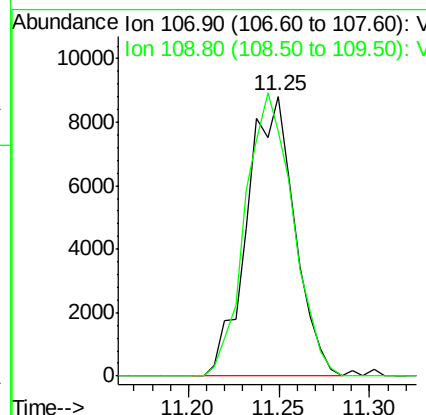
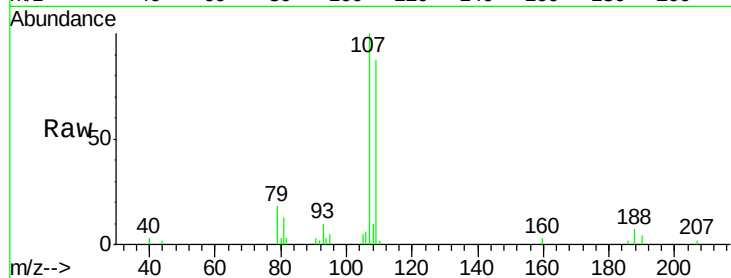
#61
 1,2-Dibromoethane
 Concen: 19.377 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.01 min
 Lab File: VD066479.D
 Acq: 31 Aug 2020 13:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0831SBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	101.4	77.8	116.8

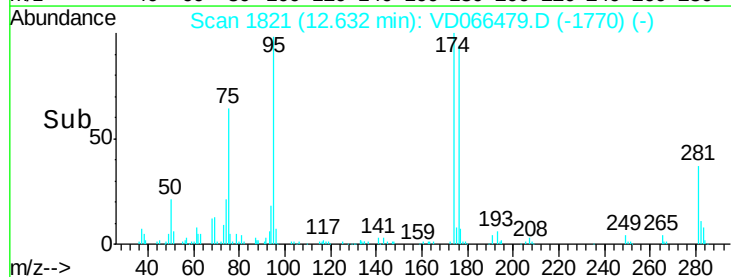
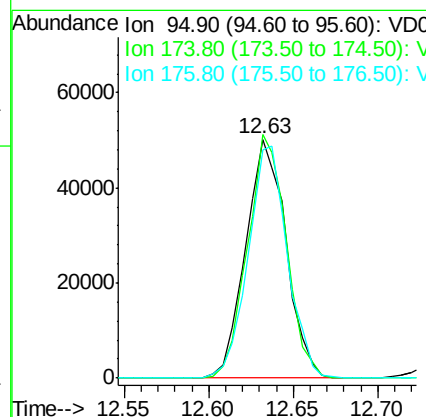
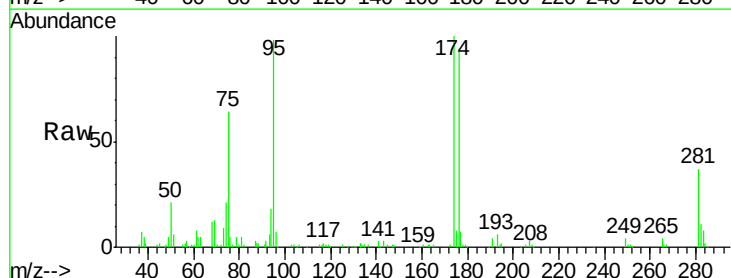
Manual Integrations
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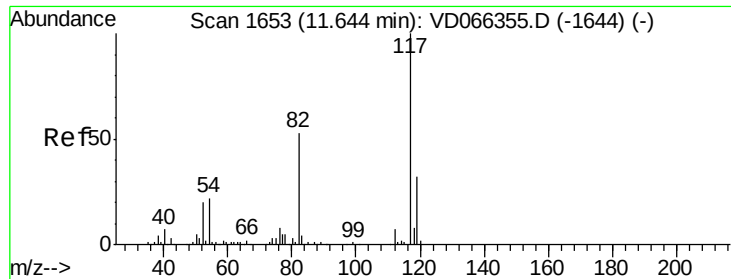
MMDadoda
 9/1/2020 12:38:55 PM



#62
 4-Bromofluorobenzene
 Concen: 55.466 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD066479.D
 Acq: 31 Aug 2020 13:18

Tgt Ion	Ratio	Lower	Upper
95	100		
174	98.3	0.0	183.4
176	94.9	0.0	173.8





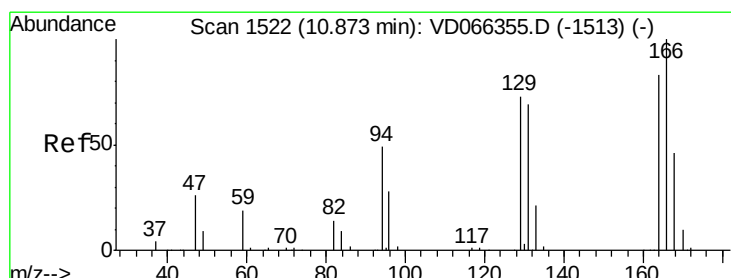
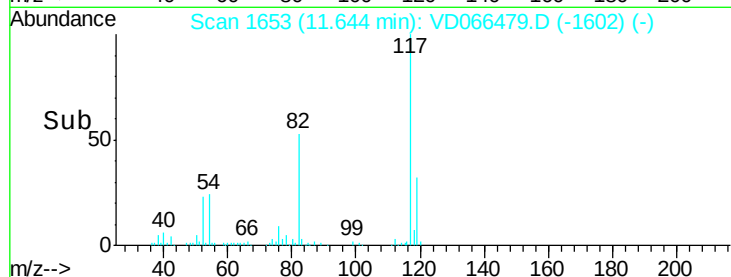
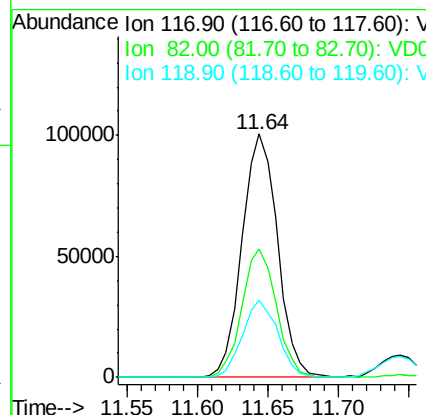
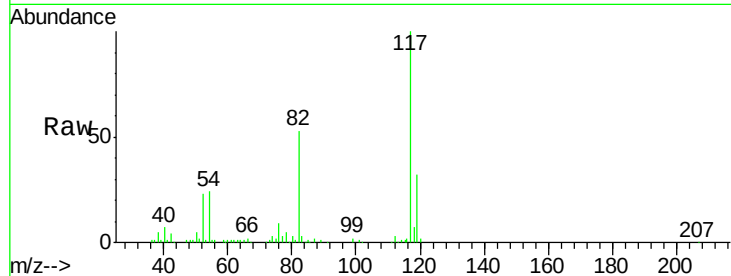
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066479.D
Acq: 31 Aug 2020 13:18

Instrument :
MSVOA_D
ClientSampleId :
VD0831SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	177220		
82	52.5		42.8	64.2
119	31.5		25.8	38.8

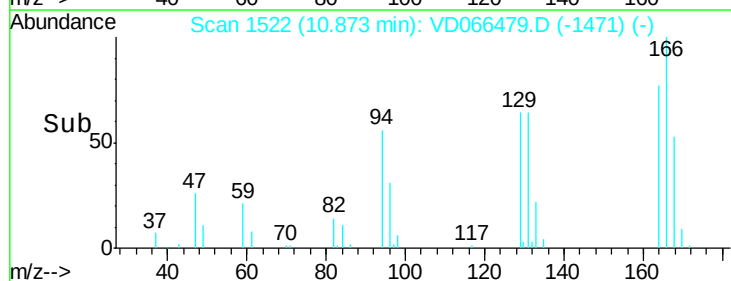
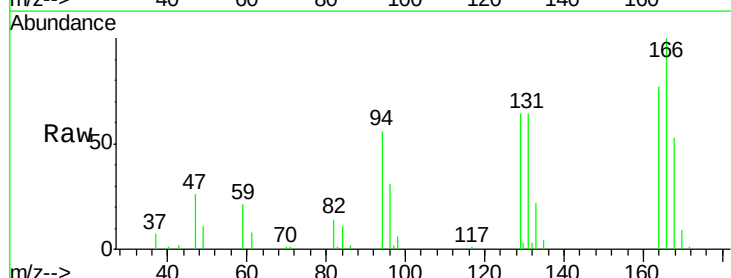
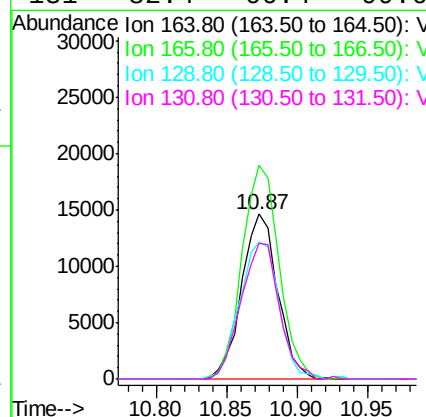
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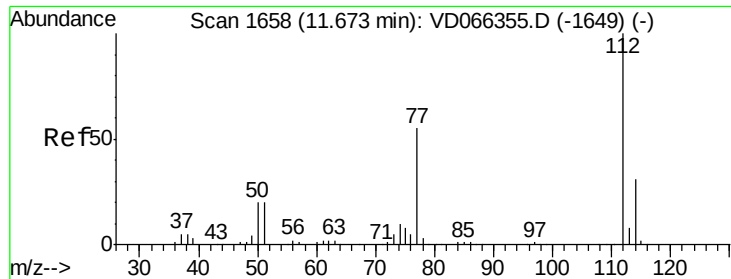
MMDadoda
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#64
Tetrachloroethene
Concen: 19.467 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VD066479.D
Acq: 31 Aug 2020 13:18

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	26171		
166	129.6		96.2	144.4
129	82.8		70.3	105.5
131	82.4		66.4	99.6





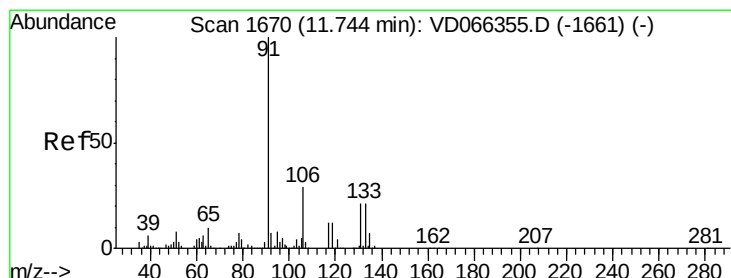
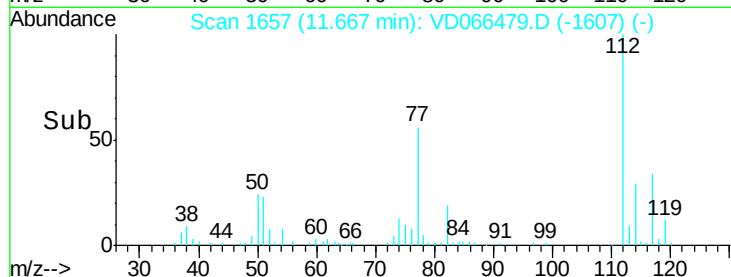
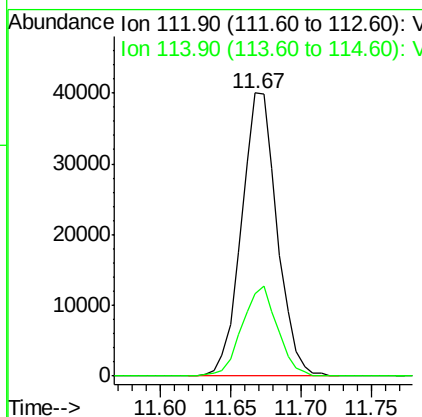
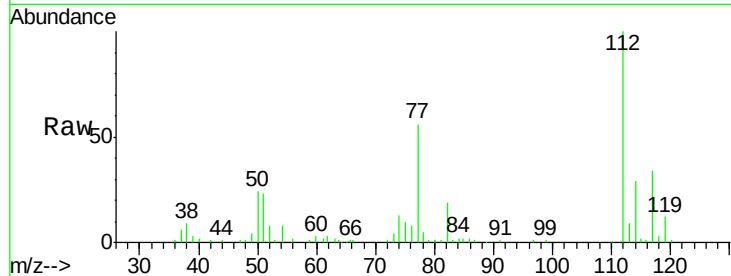
#65
Chlorobenzene
Concen: 20.038 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.01 min
Lab File: VD066479.D
Acq: 31 Aug 2020 13:18

Instrument :
MSVOA_D
ClientSampleId :
VD0831SBS01

Tot Ion:112 Resp: 70650
Ion Ratio Lower Upper
112 100
114 29.0 25.1 37.7

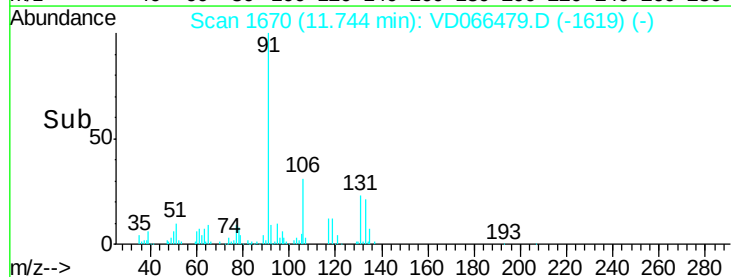
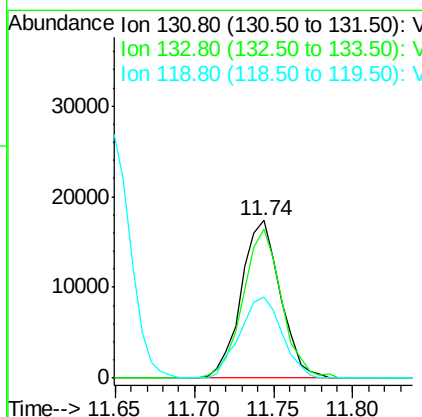
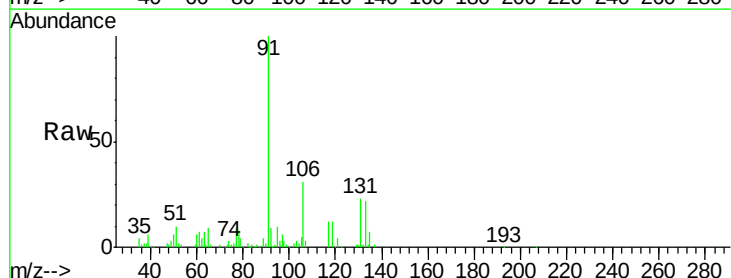
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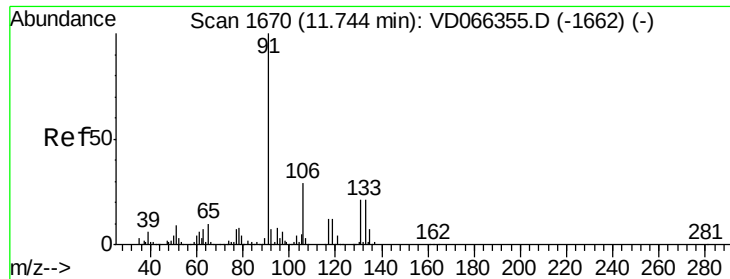
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.737 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD066479.D
Acq: 31 Aug 2020 13:18

Tgt Ion:131 Resp: 29880
Ion Ratio Lower Upper
131 100
133 92.9 48.6 145.9
119 55.0 29.0 87.1





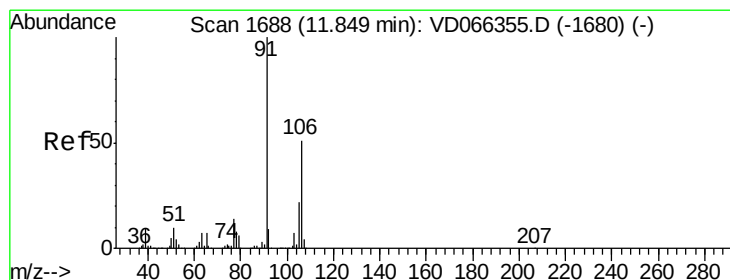
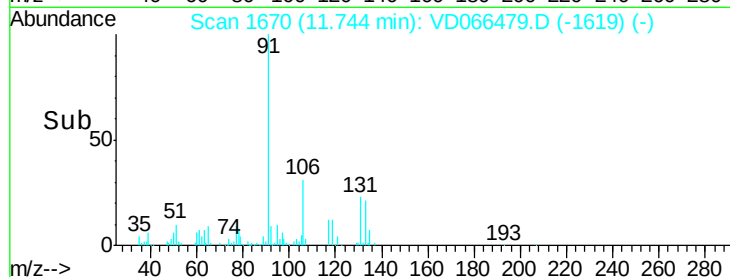
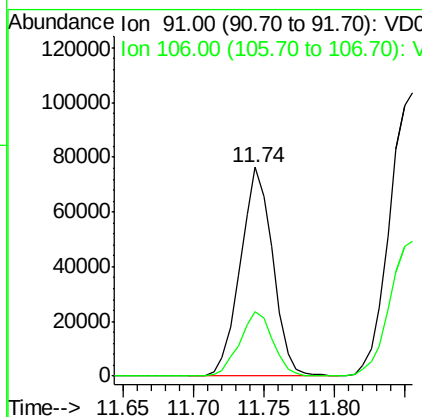
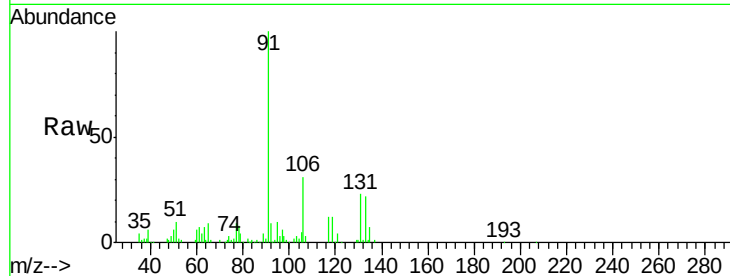
#67
Ethyl Benzene
Concen: 19.808 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD066479.D
Acq: 31 Aug 2020 13:18

Instrument :
MSVOA_D
ClientSampleId :
VD0831SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	31.1	23.4	35.2

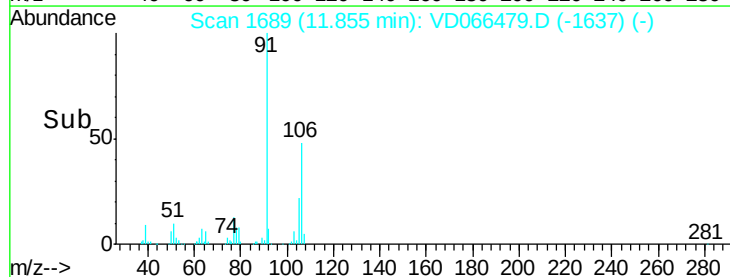
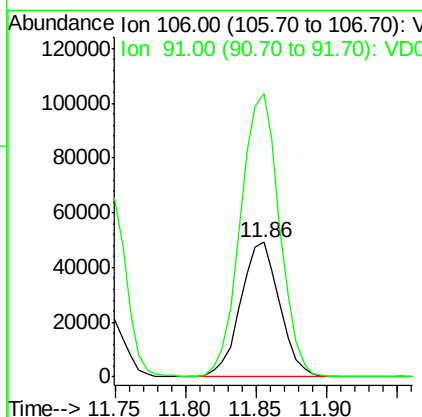
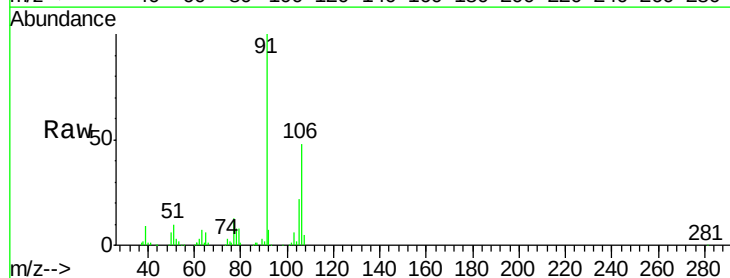
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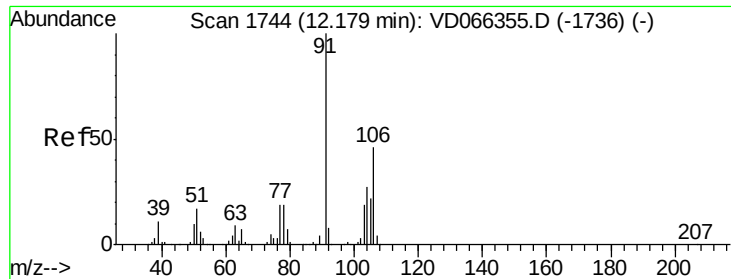
MMDadoda
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#68
m/p-Xylenes
Concen: 40.342 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.01 min
Lab File: VD066479.D
Acq: 31 Aug 2020 13:18

Tgt Ion	Ratio	Lower	Upper
106	100		
91	210.2	160.7	241.1





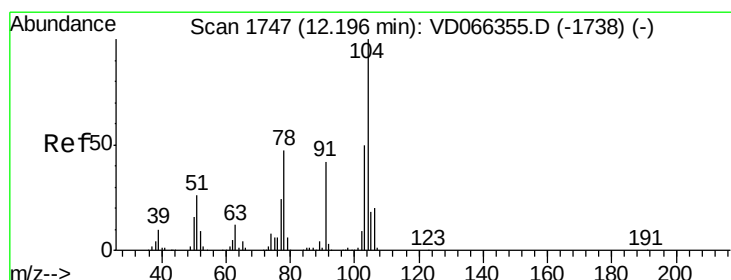
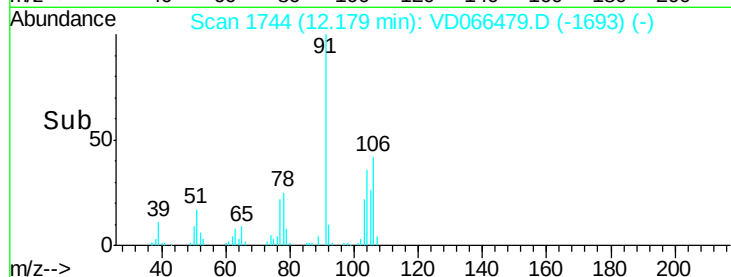
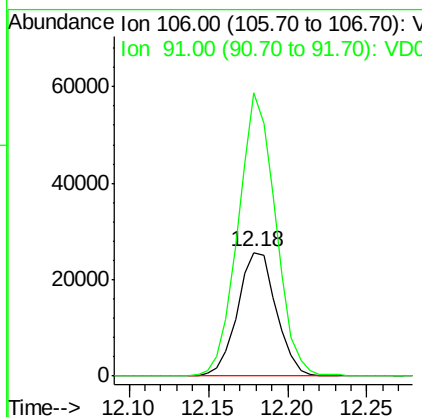
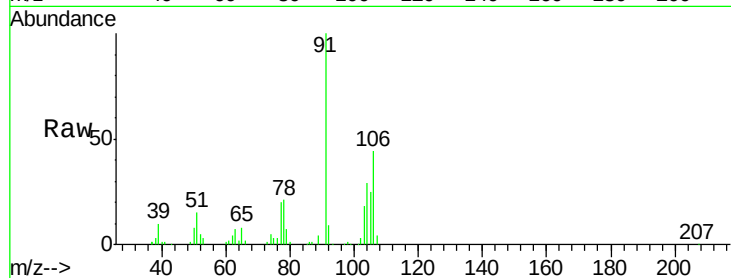
#69
o-Xylene
Concen: 19.733 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.00 min
Lab File: VD066479.D
Acq: 31 Aug 2020 13:18

Instrument :
MSVOA_D
ClientSampleId :
VD0831SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		43425		
91	221.2	109.1	327.3		

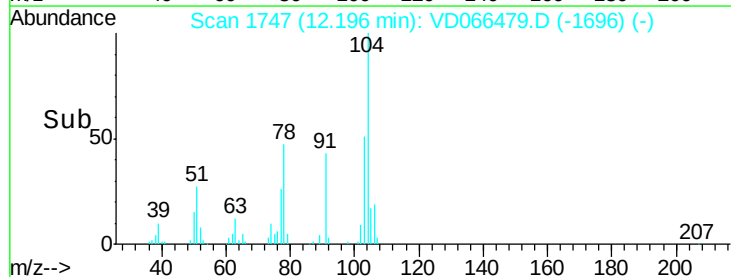
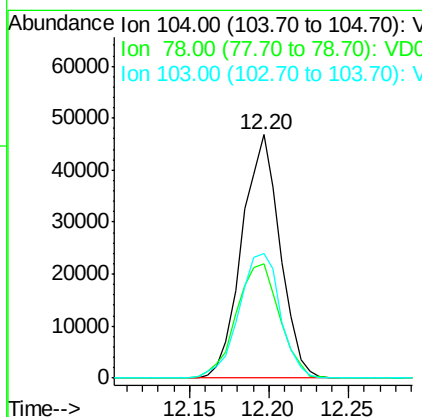
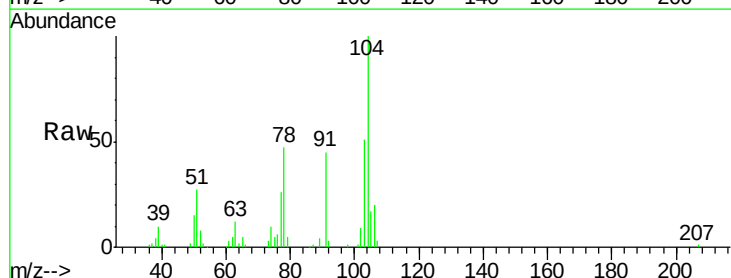
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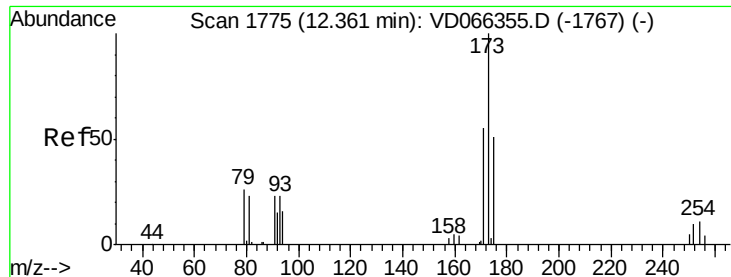
MMDadoda
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#70
Styrene
Concen: 20.677 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD066479.D
Acq: 31 Aug 2020 13:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		78131		
78	53.4	41.7	62.5		
103	55.8	43.5	65.3		





#71

Bromoform

Concen: 22.885 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.00 min

Lab File: VD066479.D

Acq: 31 Aug 2020 13:18

Instrument :

MSVOA_D

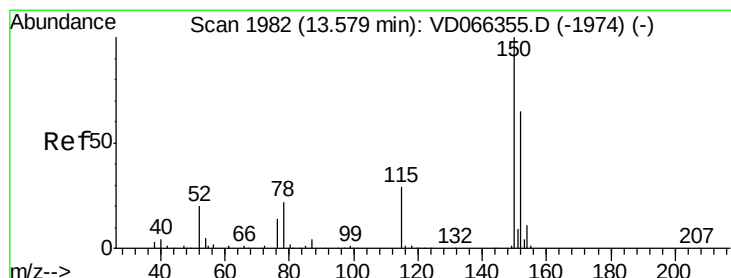
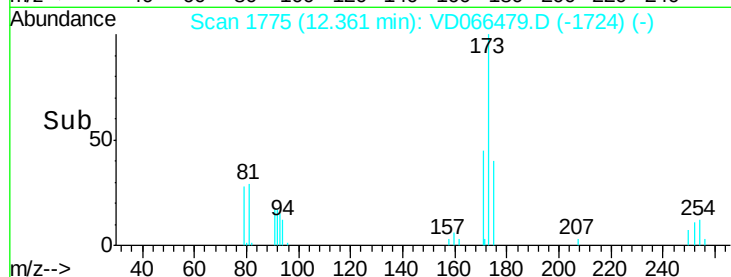
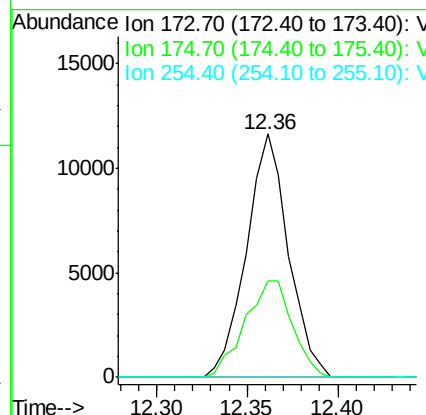
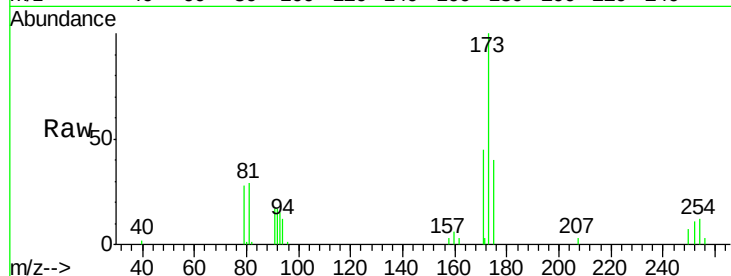
ClientSampleId :

VD0831SBS01

Tot Ion:173	Resp:	18708
Ion Ratio	Lower	Upper
173 100		
175 45.1	24.8	74.3
254 0.0	0.0	0.0

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

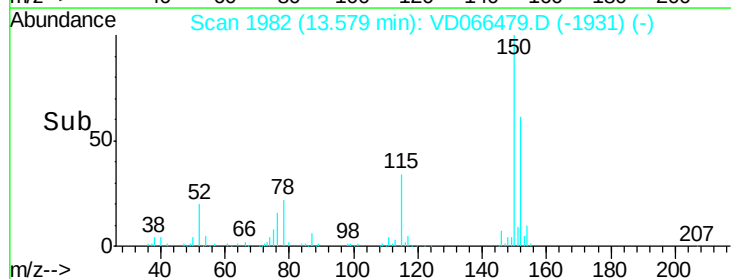
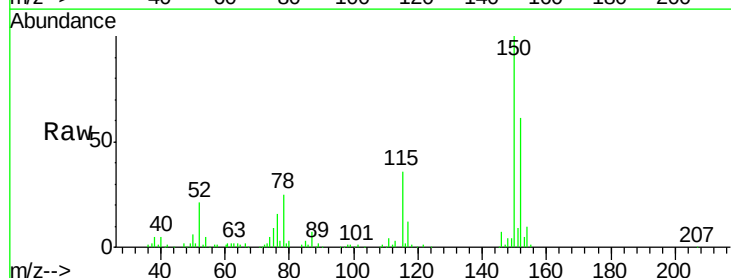
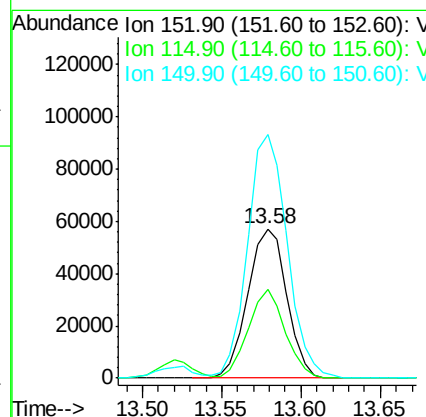
RT: 13.58 min Scan# 1982

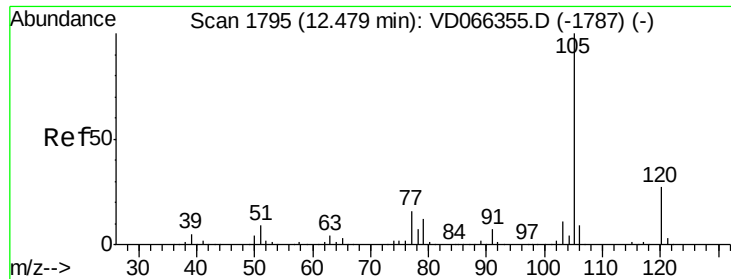
Delta R.T. -0.00 min

Lab File: VD066479.D

Acq: 31 Aug 2020 13:18

Tgt Ion:152	Resp:	97617
Ion Ratio	Lower	Upper
152 100		
115 56.5	28.3	85.0
150 165.9	0.0	343.2





#73

Isopropylbenzene

Concen: 19.403 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD066479.D

Acq: 31 Aug 2020 13:18

Instrument :

MSVOA_D

ClientSampleId :

VD0831SBS01

Tot Ion: 105 Resp: 126884

Ion Ratio Lower Upper

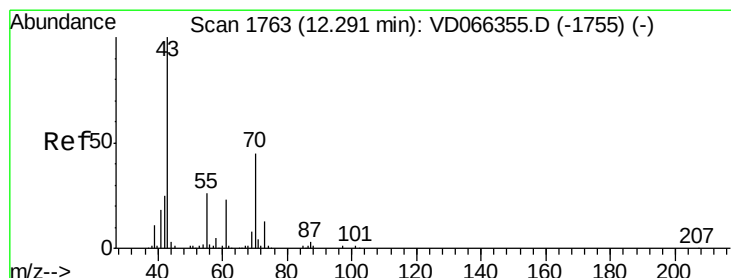
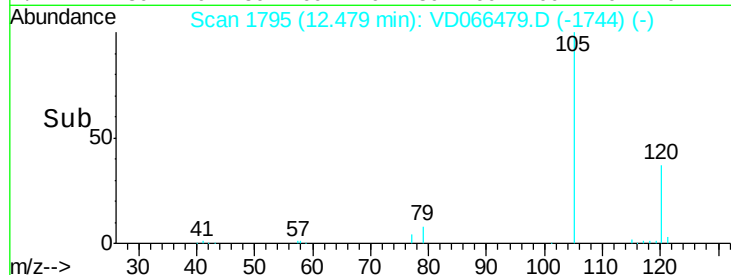
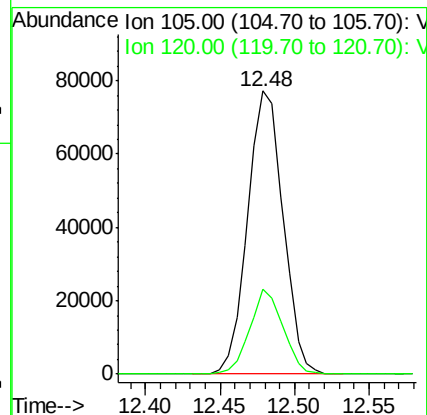
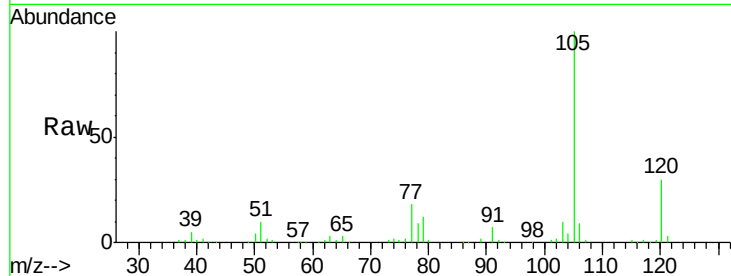
105 100

120 27.9 13.6 40.8

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#74

N-ethyl acetate

Concen: 17.325 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD066479.D

Acq: 31 Aug 2020 13:18

Tgt Ion: 43 Resp: 20462

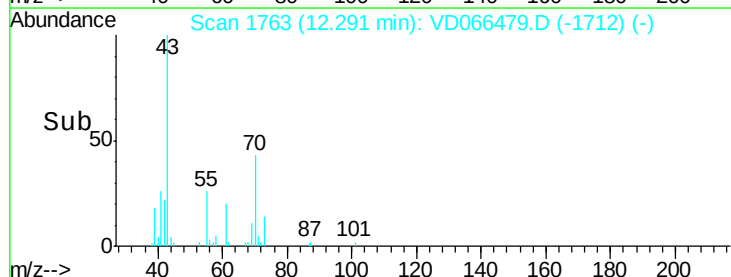
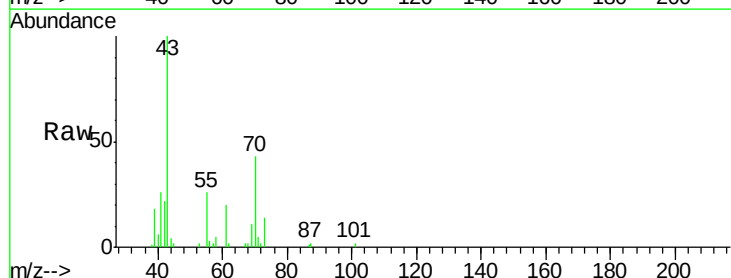
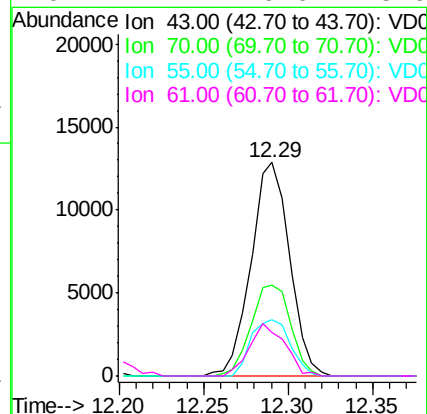
Ion Ratio Lower Upper

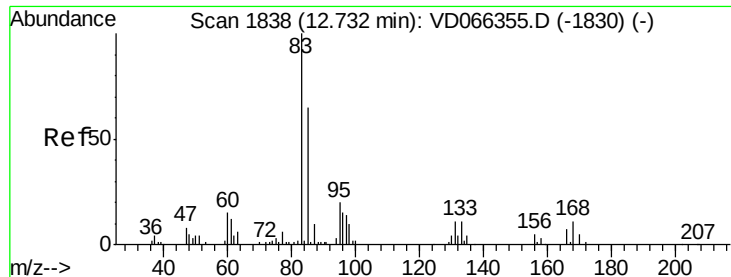
43 100

70 43.5 34.8 52.2

55 26.6 20.3 30.5

61 22.7 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 17.419 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD066479.D

Acq: 31 Aug 2020 13:18

Instrument :

MSVOA_D

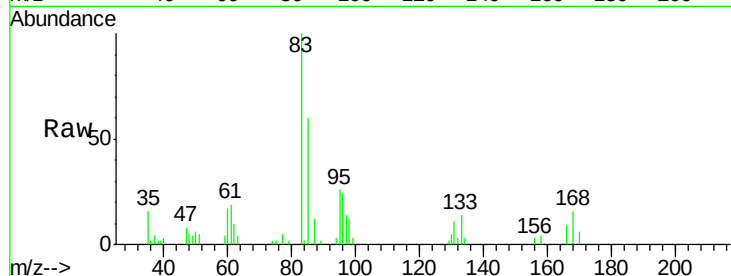
ClientSampleId :

VD0831SBS01

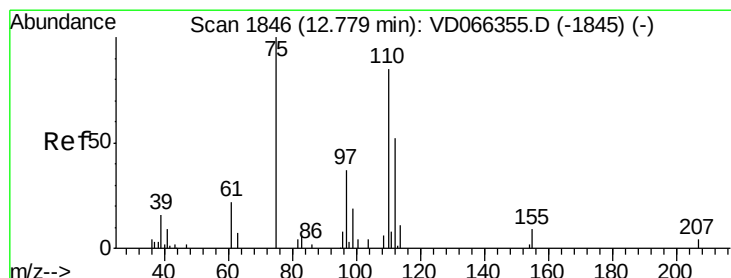
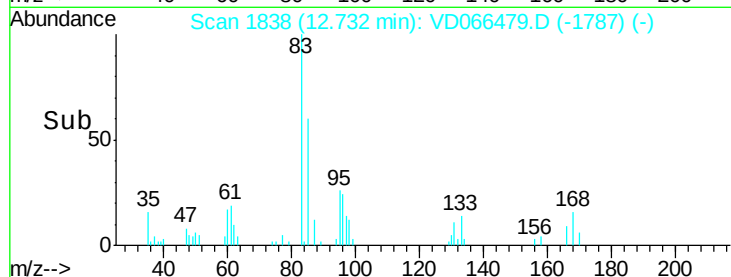
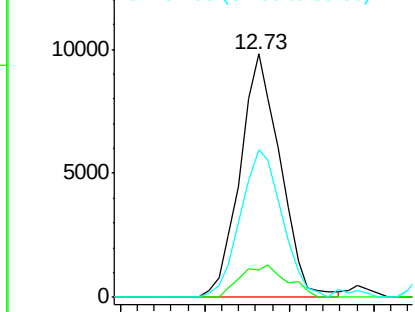
Tot Ion:	83	Resp:	16272
Ion Ratio	Lower	Upper	
83	100		
131	15.3	7.0	20.9
85	63.0	32.4	97.0

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Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 130.80 (130.50 to 131.50): VDC
Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 18.010 ug/l m

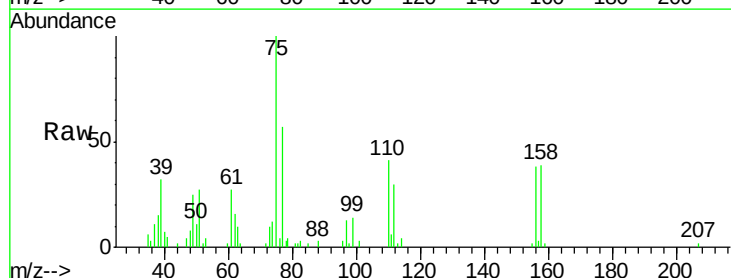
RT: 12.78 min Scan# 1847

Delta R.T. 0.01 min

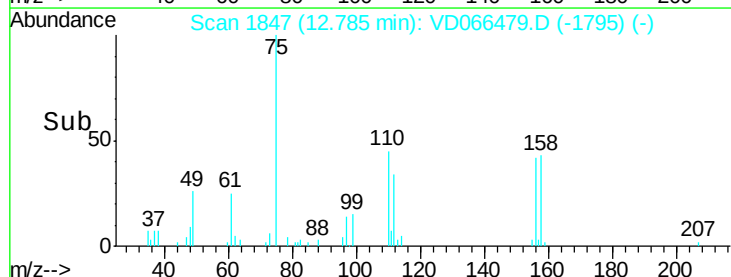
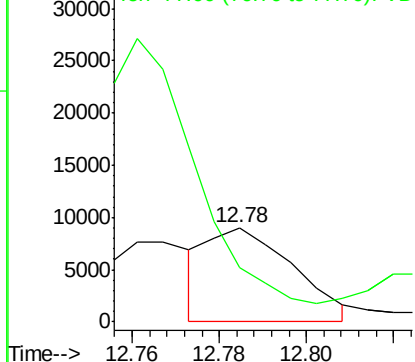
Lab File: VD066479.D

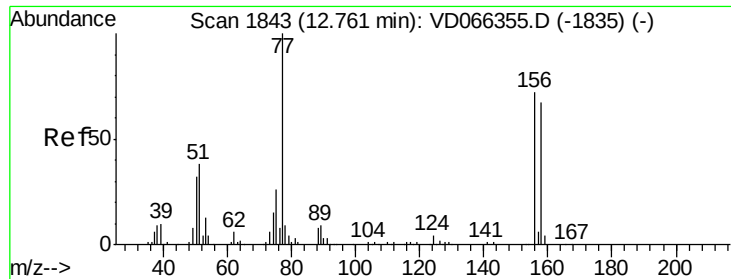
Acq: 31 Aug 2020 13:18

Tgt Ion:	75	Resp:	12368
Ion Ratio	Lower	Upper	
75	100		
77	0.0	182.9	548.9#



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 18.979 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VD066479.D

Acq: 31 Aug 2020 13:18

Instrument :

MSVOA_D

ClientSampleId :

VD0831SBS01

Tot Ion:156 Resp: 31501

Ion Ratio Lower Upper

156 100

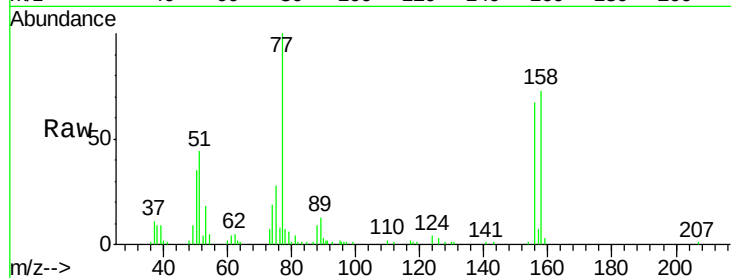
77 156.2 76.1 228.3

158 102.2 47.6 142.9

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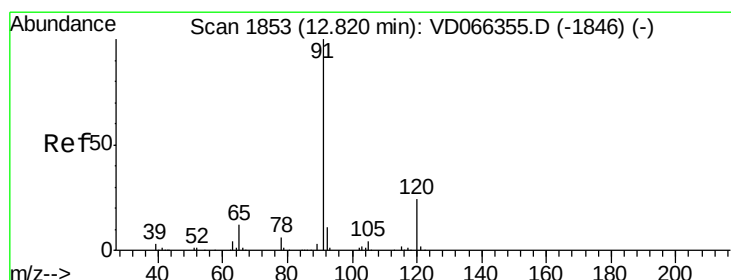
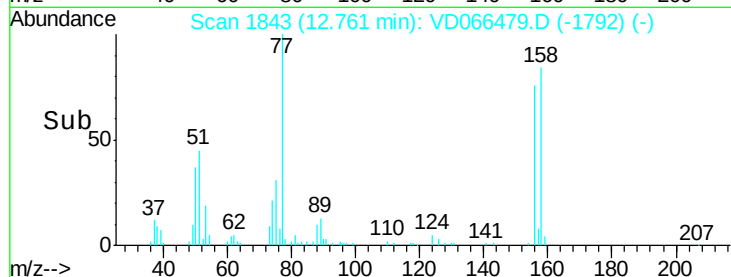
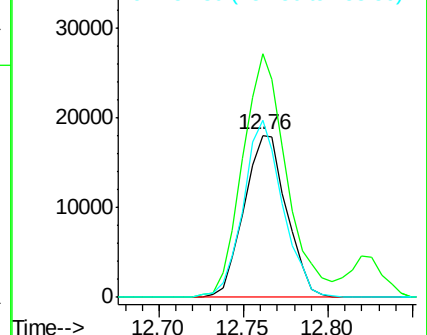
9/1/2020 12:38:55 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.400 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VD066479.D

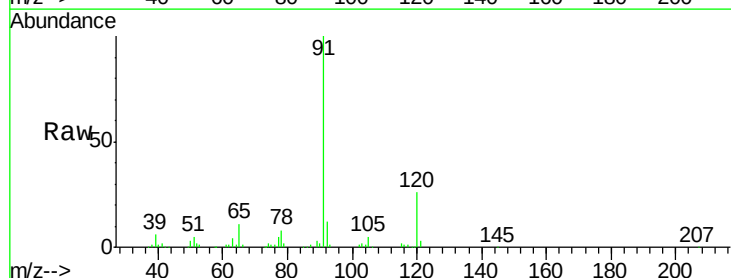
Acq: 31 Aug 2020 13:18

Tgt Ion: 91 Resp: 137962

Ion Ratio Lower Upper

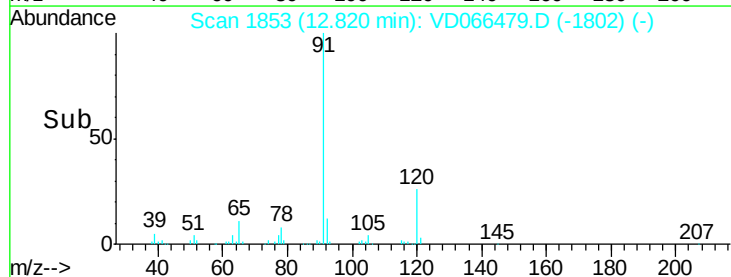
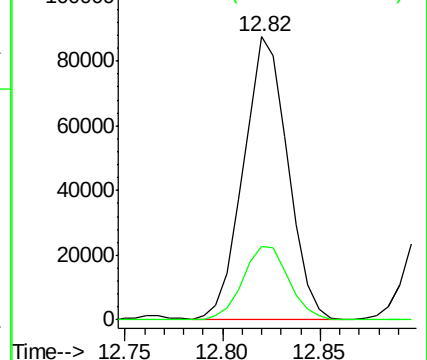
91 100

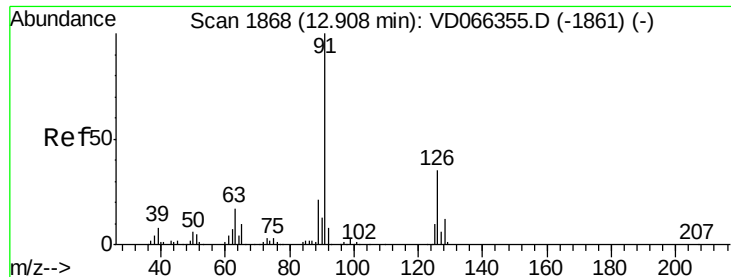
120 26.8 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





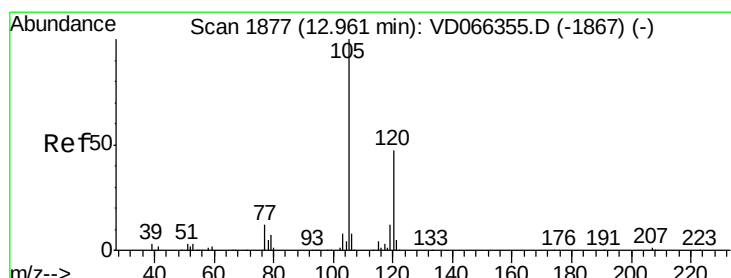
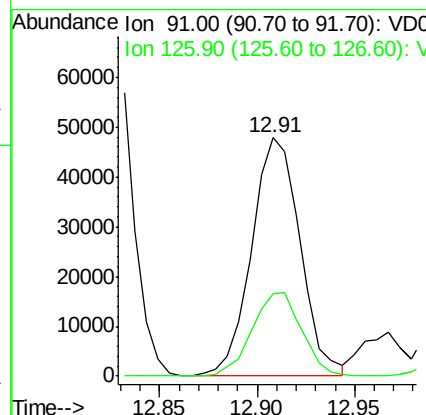
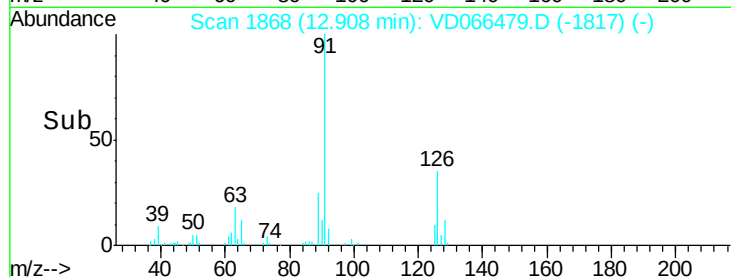
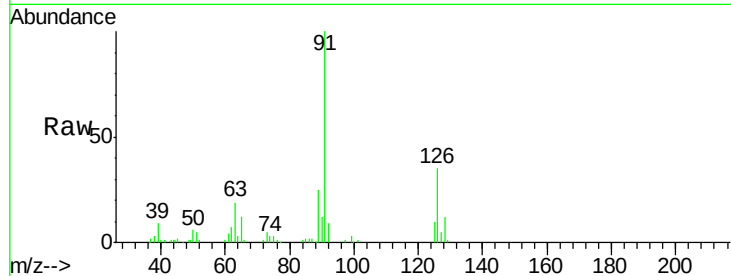
#79
2-Chlorotoluene
Concen: 19.286 ug/l
RT: 12.91 min Scan# 1868
Delta R.T. -0.00 min
Lab File: VD066479.D
Acq: 31 Aug 2020 13:18

Instrument :
MSVOA_D
ClientSampleId :
VD0831SBSD01

Tot Ion: 91 Resp: 82592
Ion Ratio Lower Upper
91 100
126 35.5 17.7 53.1

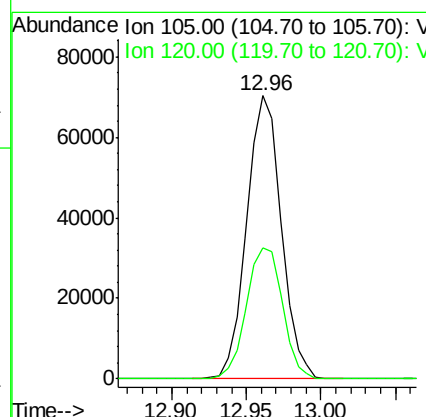
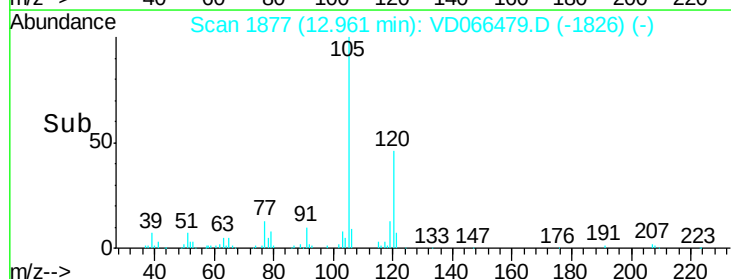
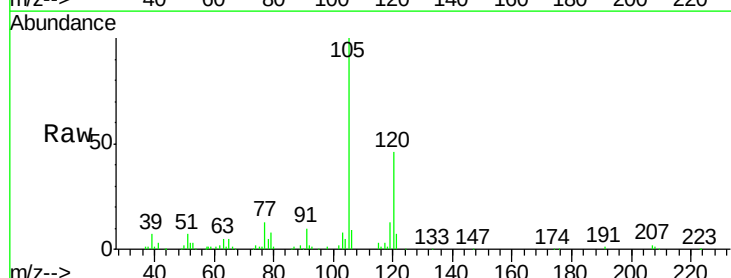
Manual Integrations
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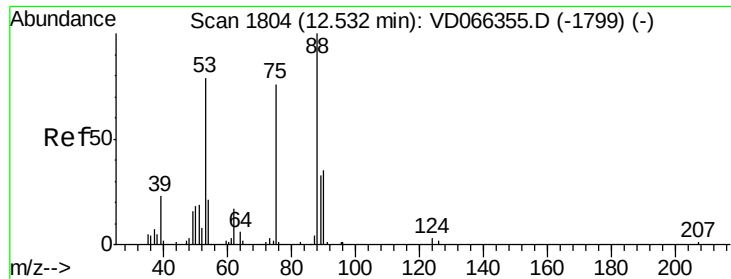
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 19.957 ug/l
RT: 12.96 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VD066479.D
Acq: 31 Aug 2020 13:18

Tgt Ion:105 Resp: 112679
Ion Ratio Lower Upper
105 100
120 48.1 24.1 72.2





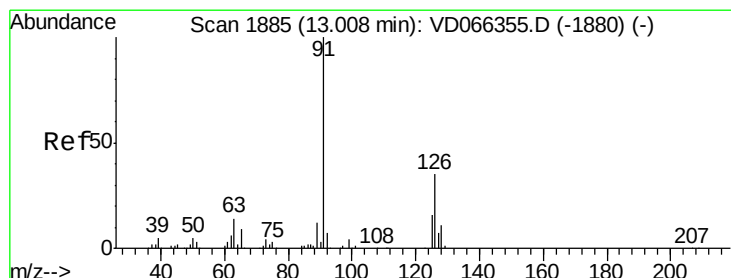
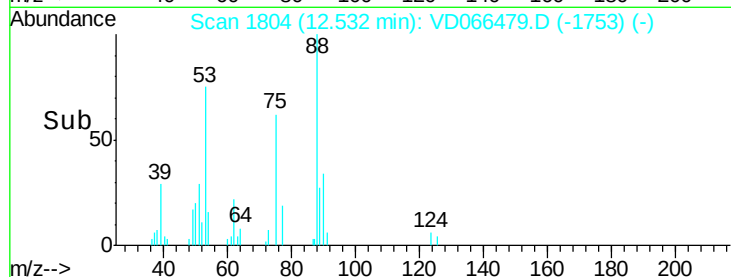
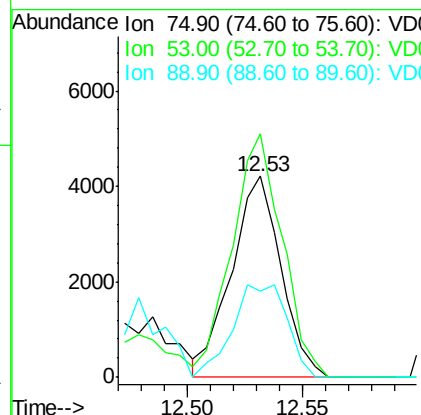
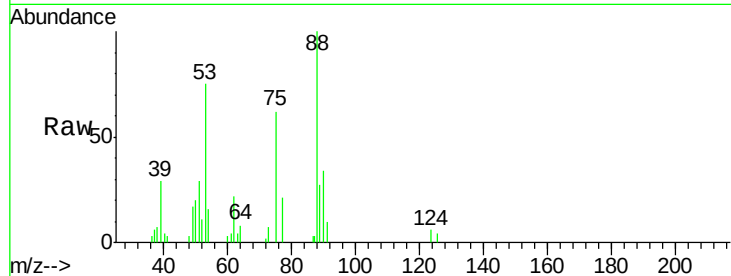
#81
trans-1,4-Dichloro-2-butene
Concen: 19.464 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VD066479.D
Acq: 31 Aug 2020 13:18

Instrument :
MSVOA_D
ClientSampleId :
VD0831SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	122.9	87.4	131.2
89	50.7	39.4	59.0

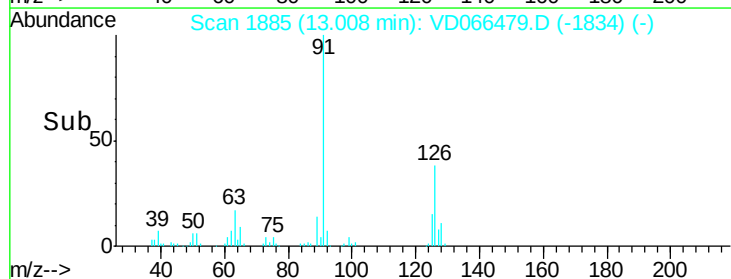
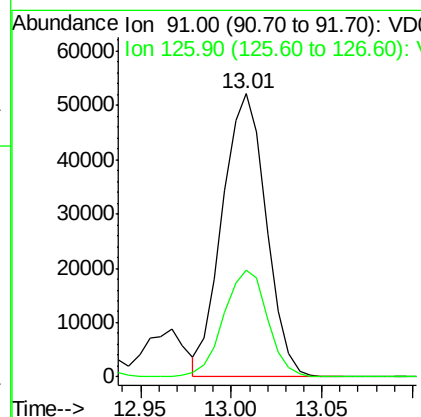
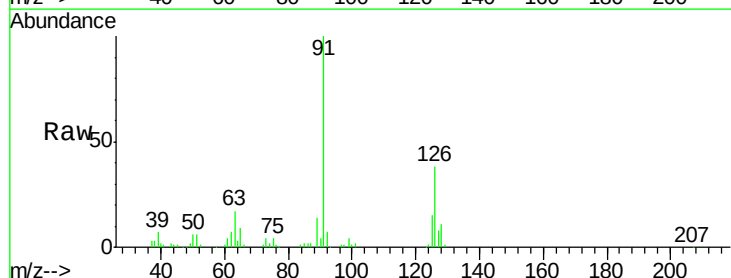
Manual Integrations
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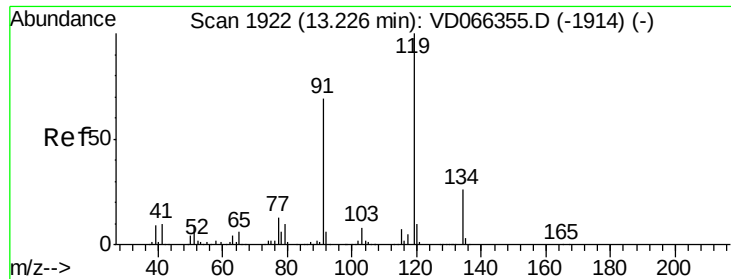
MMDadoda
9/1/2020 12:38:55 PM



#82
4-Chlorotoluene
Concen: 19.313 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VD066479.D
Acq: 31 Aug 2020 13:18

Tgt Ion	Ratio	Lower	Upper
91	100		
126	37.5	17.4	52.2





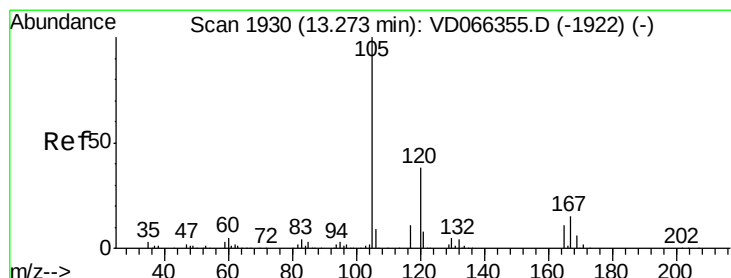
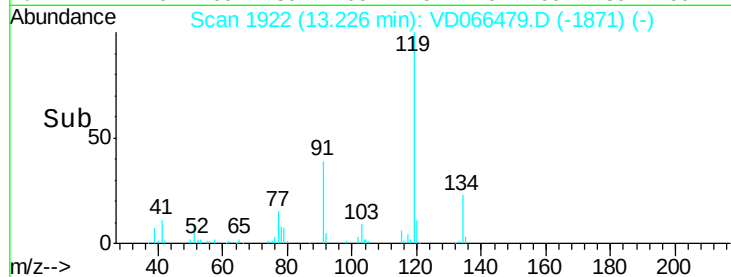
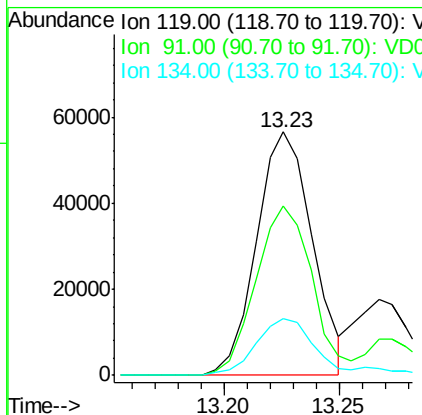
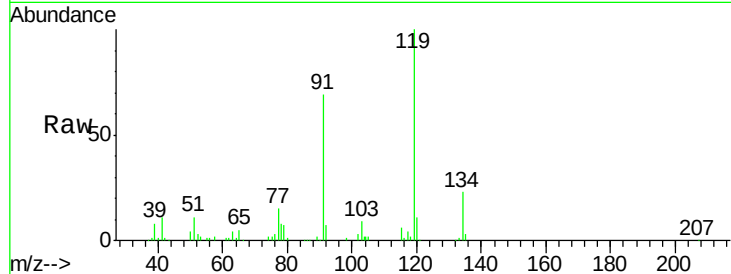
#83
 tert-Butylbenzene
 Concen: 19.305 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. -0.00 min
 Lab File: VD066479.D
 Acq: 31 Aug 2020 13:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0831SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	70.6	33.5	100.5
134	24.2	13.5	40.4

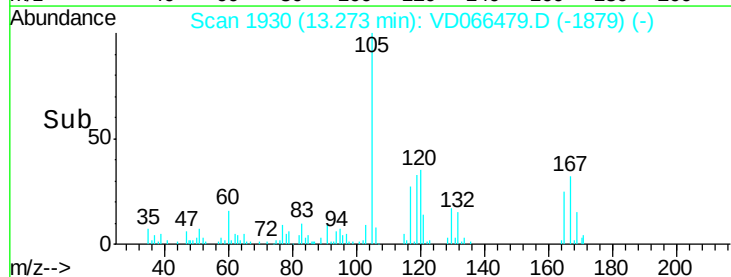
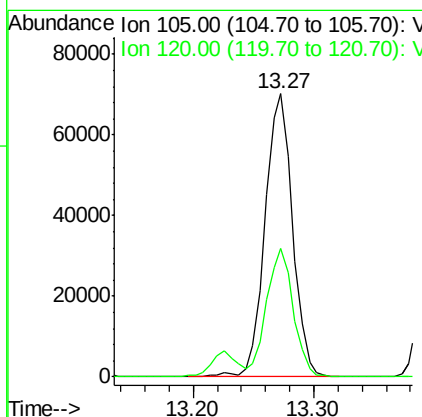
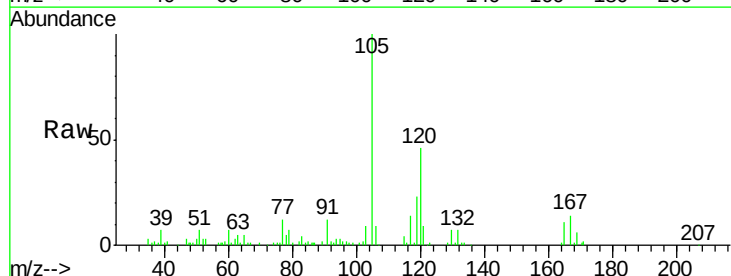
Manual Integrations
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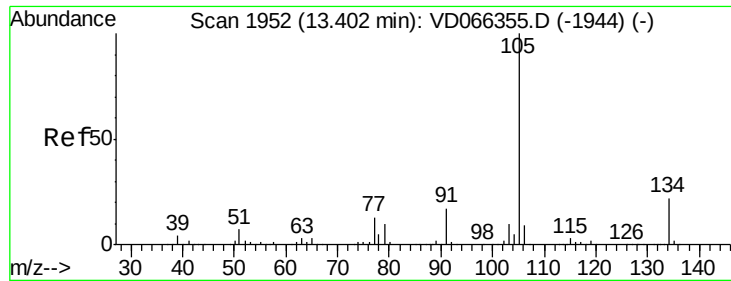
MMDadoda
 9/1/2020 12:38:55 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.094 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.00 min
 Lab File: VD066479.D
 Acq: 31 Aug 2020 13:18

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.2	22.6	67.7





#85

sec-Butylbenzene

Concen: 19.444 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VD066479.D

Acq: 31 Aug 2020 13:18

Instrument :

MSVOA_D

ClientSampleId :

VD0831SBS01

Tot Ion:105 Resp: 124939

Ion Ratio Lower Upper

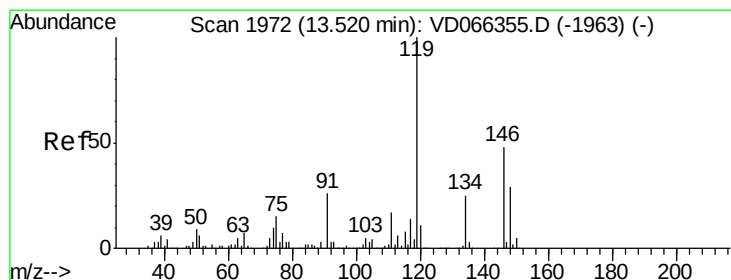
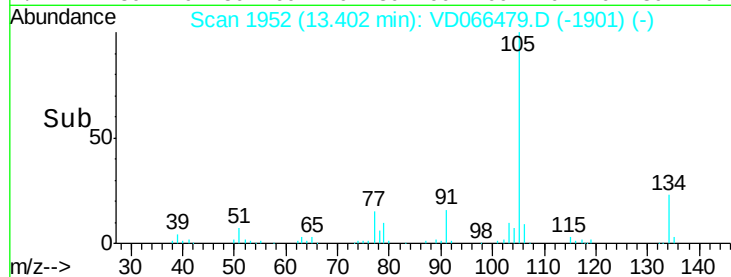
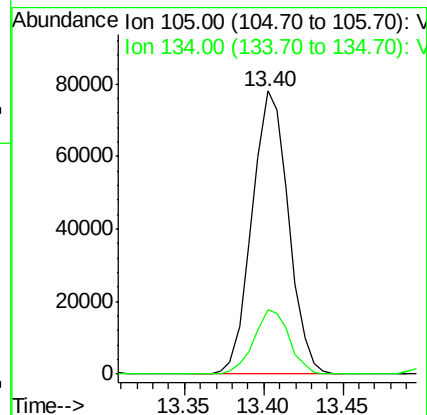
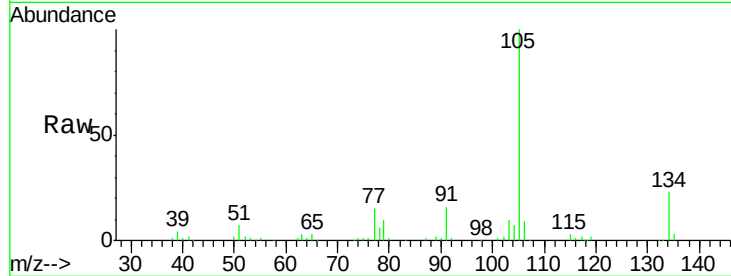
105 100

134 22.1 10.8 32.4

Manual Integrations
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MMDadoda

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#86

p-Isopropyltoluene

Concen: 20.095 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD066479.D

Acq: 31 Aug 2020 13:18

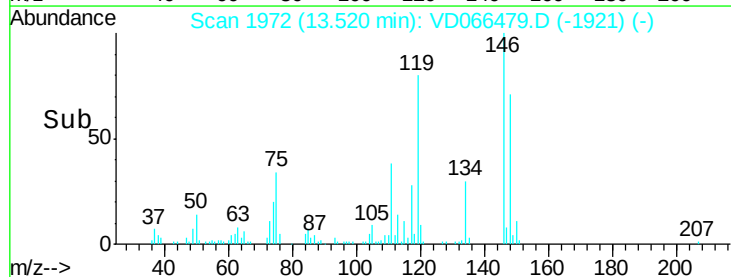
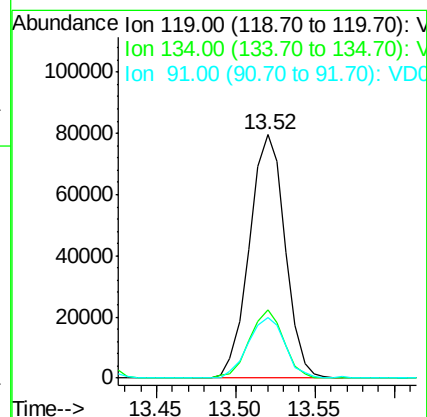
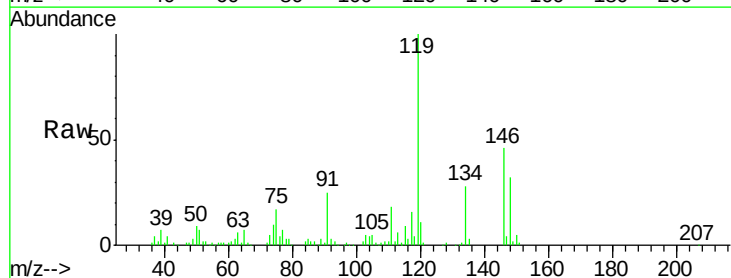
Tgt Ion:119 Resp: 124500

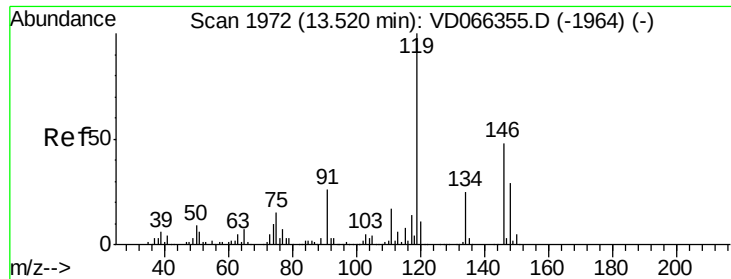
Ion Ratio Lower Upper

119 100

134 27.0 12.8 38.3

91 25.8 12.7 38.0





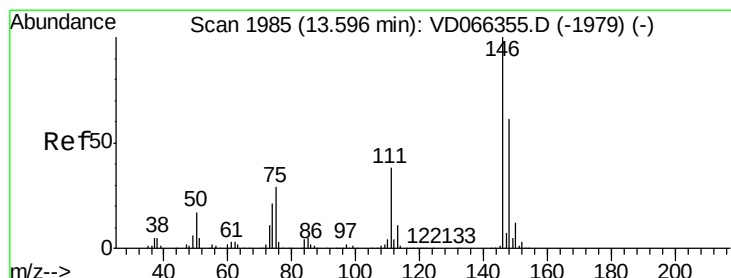
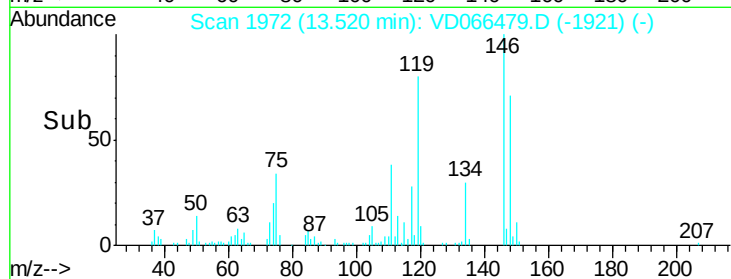
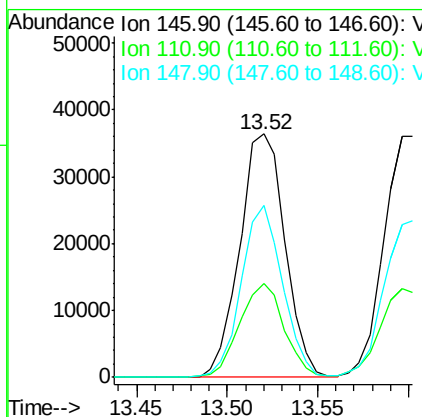
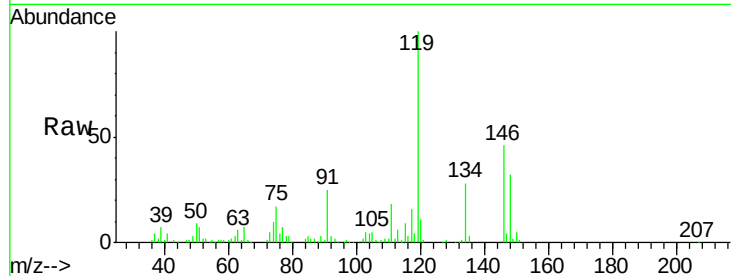
#87
 1,3-Dichlorobenzene
 Concen: 20.448 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD066479.D
 Acq: 31 Aug 2020 13:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0831SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.9	56.9
148	64.5	31.8	95.3

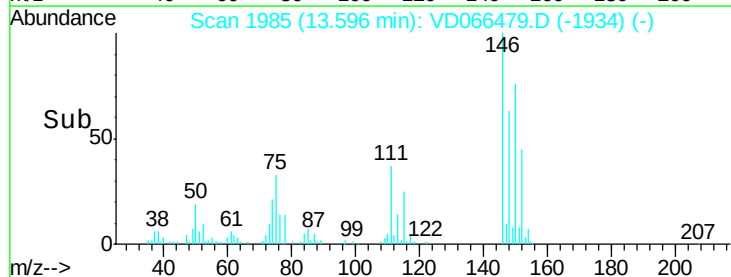
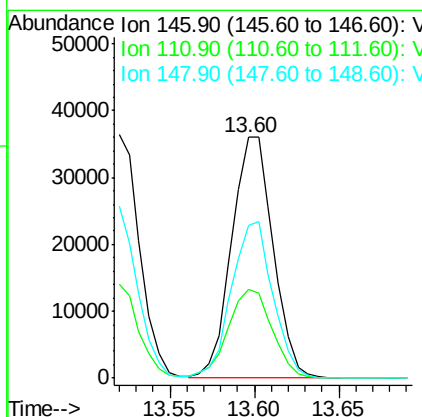
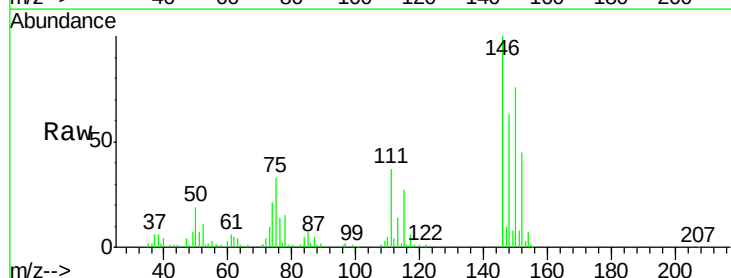
Manual Integrations
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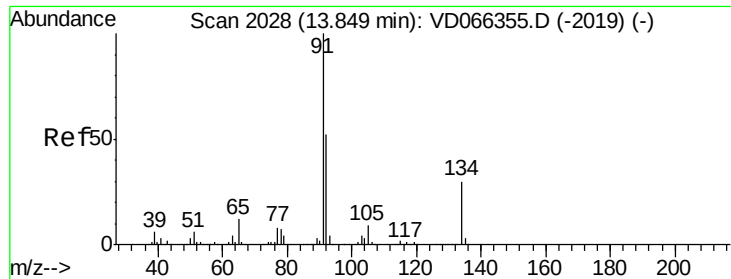
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#88
 1,4-Dichlorobenzene
 Concen: 19.837 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.00 min
 Lab File: VD066479.D
 Acq: 31 Aug 2020 13:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.1	57.5
148	64.5	32.1	96.3





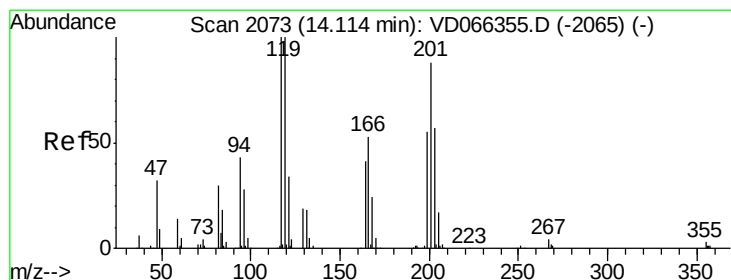
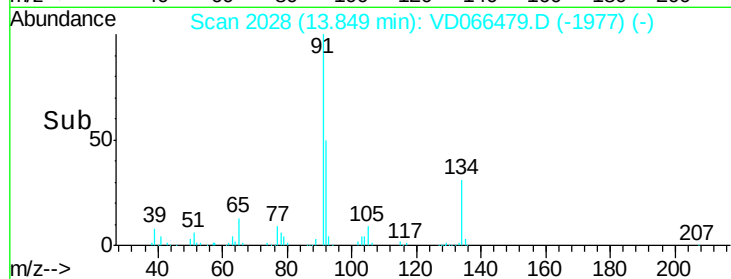
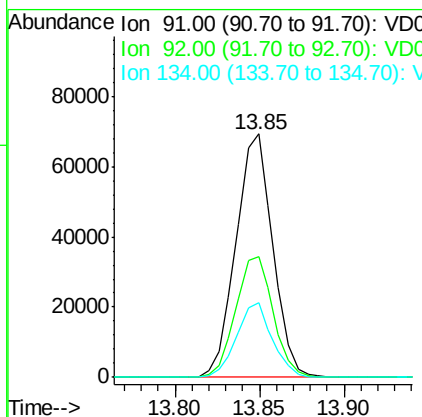
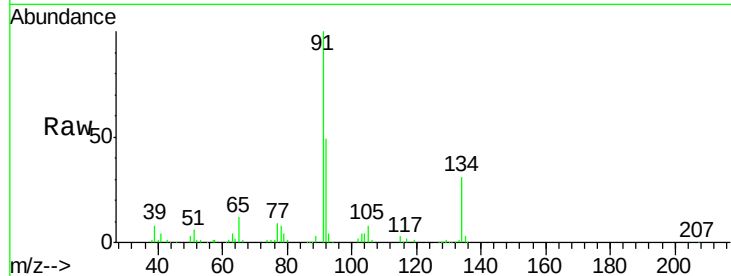
#89
n-Butylbenzene
Concen: 19.207 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD066479.D
Acq: 31 Aug 2020 13:18

Instrument :
MSVOA_D
ClientSampleId :
VD0831SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	105011		
92	50.5	26.4	79.0	
134	29.7	14.4	43.4	

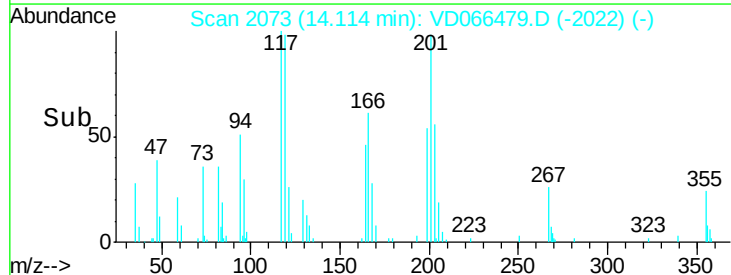
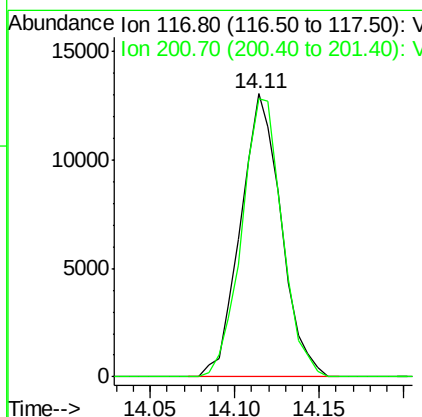
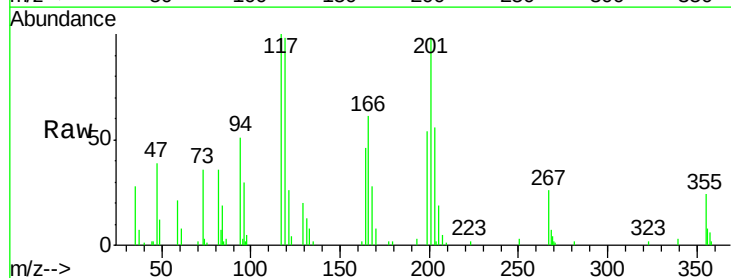
Manual Integrations
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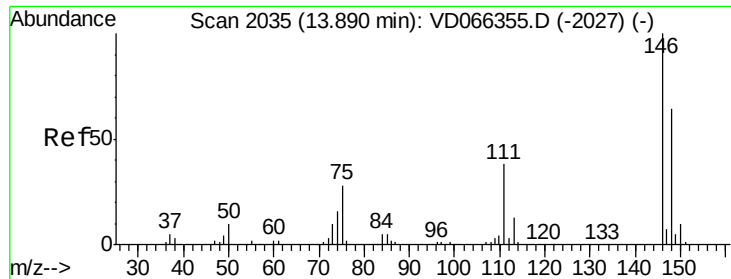
MMDadoda
9/1/2020 12:38:55 PM



#90
Hexachloroethane
Concen: 17.874 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD066479.D
Acq: 31 Aug 2020 13:18

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	21876		
201	97.6	45.4	136.2	





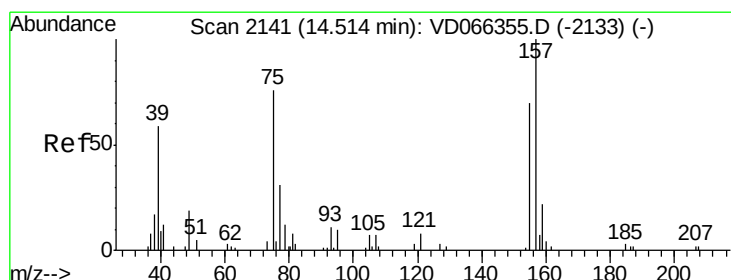
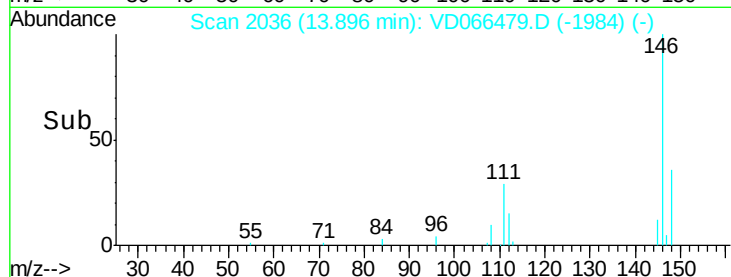
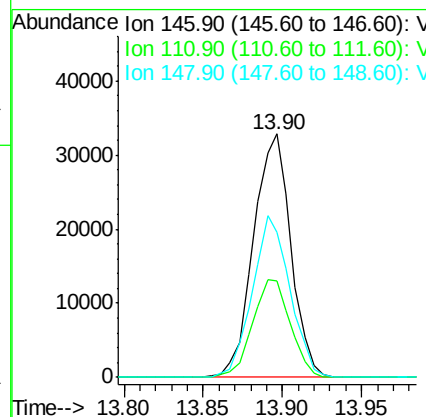
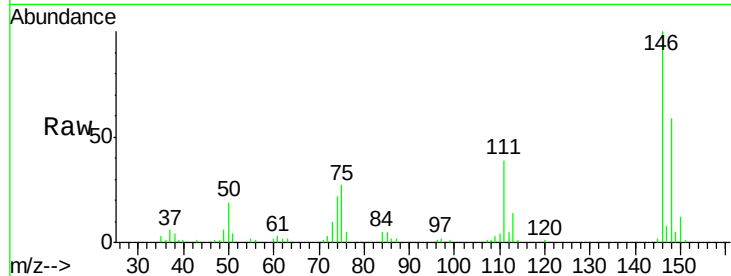
#91
 1,2-Dichlorobenzene
 Concen: 20.169 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.01 min
 Lab File: VD066479.D
 Acq: 31 Aug 2020 13:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0831SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	19.9	59.7
148	66.6	32.6	97.8

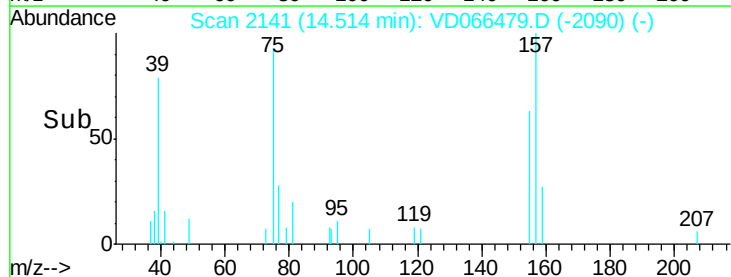
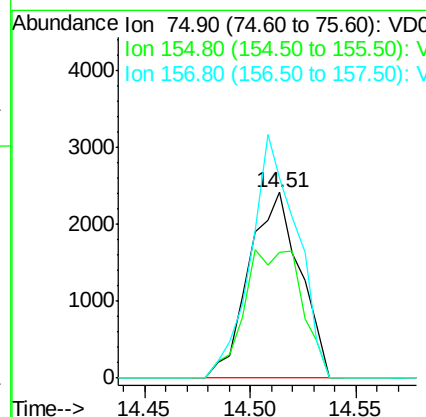
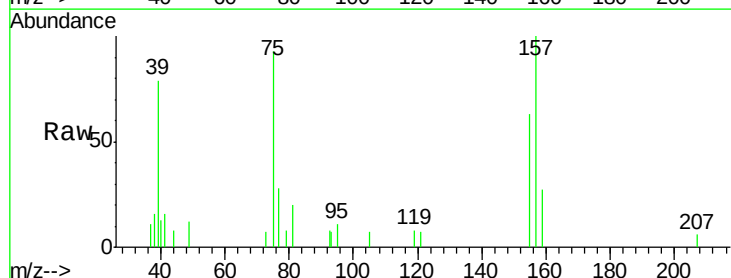
Manual Integrations
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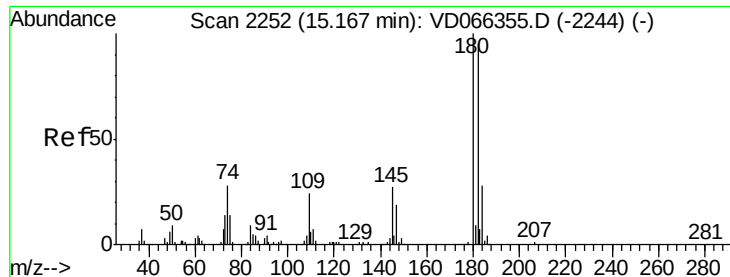
MMDadoda
 9/1/2020 12:38:55 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.712 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.00 min
 Lab File: VD066479.D
 Acq: 31 Aug 2020 13:18

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.4	46.9	140.6
157	117.8	61.0	183.0





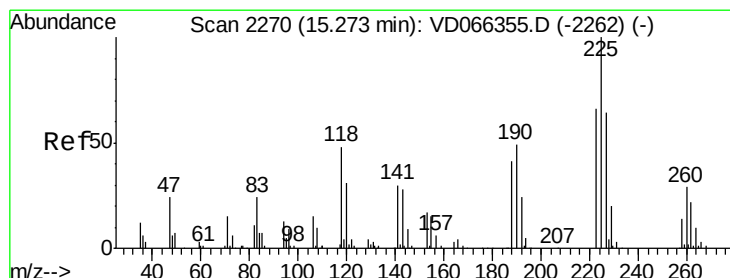
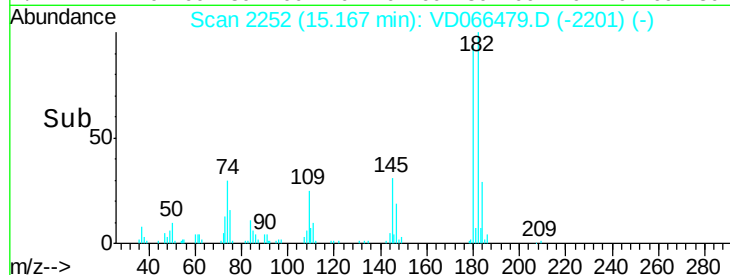
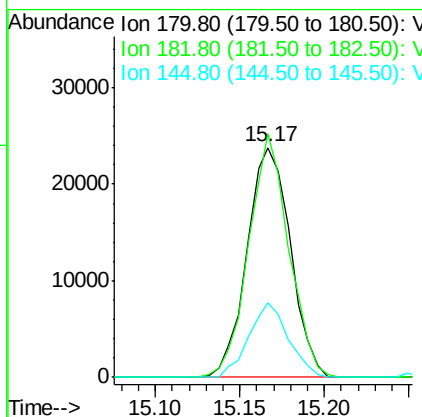
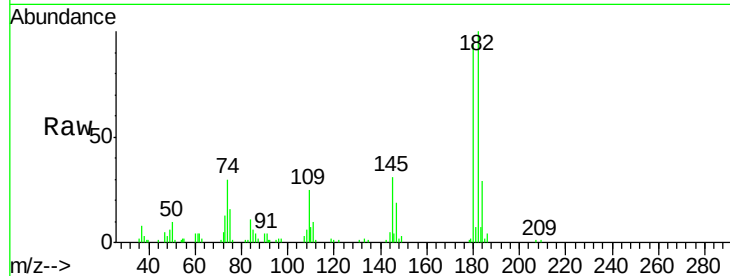
#93
 1,2,4-Trichlorobenzene
 Concen: 20.403 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD066479.D
 Acq: 31 Aug 2020 13:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0831SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	42484		
182	98.2	48.0	144.0	
145	29.5	15.2	45.6	

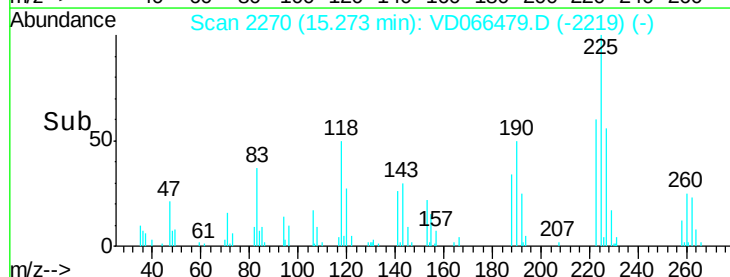
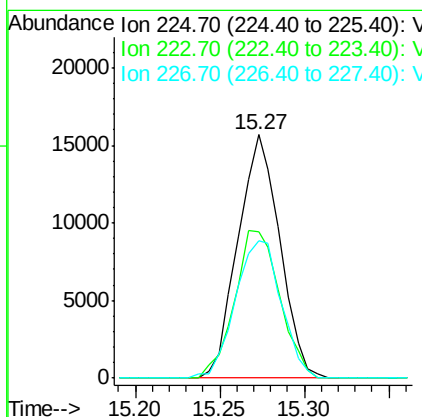
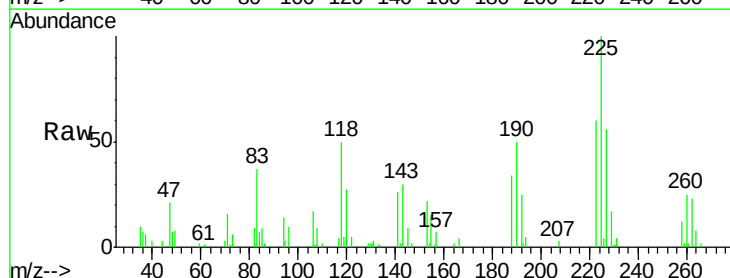
Manual Integrations
 APPROVED

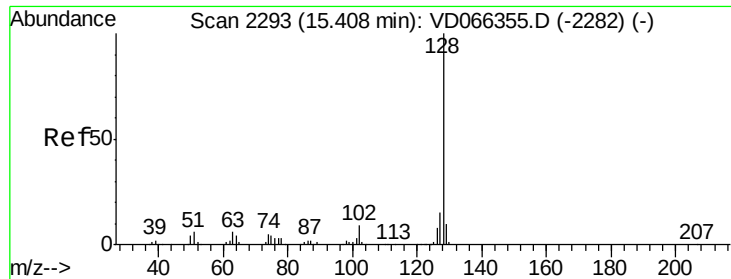
MMDadoda
 9/1/2020 12:38:55 PM



#94
 Hexachlorobutadiene
 Concen: 20.886 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD066479.D
 Acq: 31 Aug 2020 13:18

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	27026		
223	65.3	32.5	97.4	
227	61.9	33.0	98.9	





#95

Naphthalene

Concen: 20.560 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VD066479.D

Acq: 31 Aug 2020 13:18

Instrument :

MSVOA_D

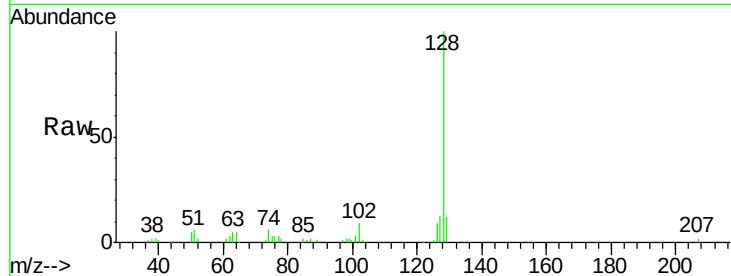
ClientSampleId :

VD0831SBSD01

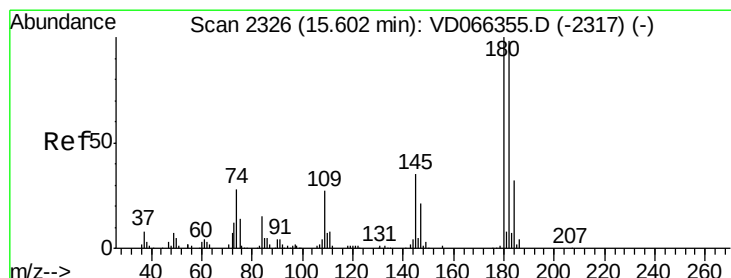
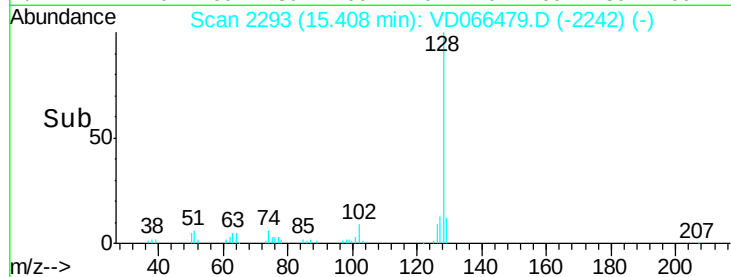
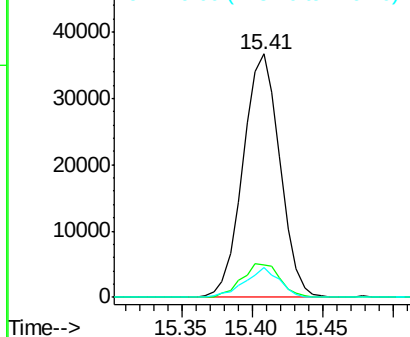
Tot Ion:	128	Resp:	67239
Ion Ratio	Lower	Upper	
128	100		
127	14.5	10.7	16.1
129	11.4	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/1/2020 12:38:55 PM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.701 ug/l

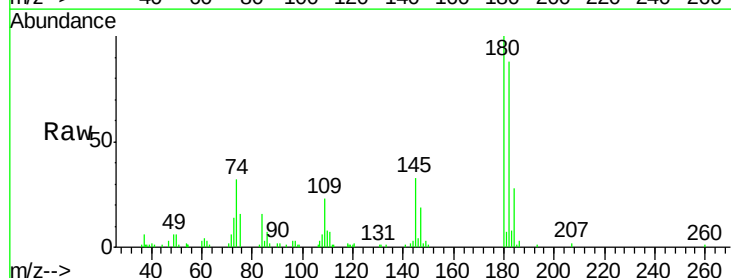
RT: 15.60 min Scan# 2326

Delta R.T. -0.00 min

Lab File: VD066479.D

Acq: 31 Aug 2020 13:18

Tgt Ion:	180	Resp:	36925
Ion Ratio	Lower	Upper	
180	100		
182	91.8	46.7	140.0
145	33.0	16.0	48.0



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

