

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111620\
 Data File : VD067630.D
 Acq On : 16 Nov 2020 10:11
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 11/17/2020 6:57:41 PM

Quant Time: Nov 17 01:12:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 00:56:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	289954	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	404675	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	363069	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	184157	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	119539	47.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.30%	
35) Dibromofluoromethane	7.92	113	123028	50.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.92%	
50) Toluene-d8	10.34	98	419930	49.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.02%	
62) 4-Bromofluorobenzene	12.64	95	152575	51.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	118570	50.570	ug/l	98
3) Chloromethane	2.21	50	74012	40.990	ug/l	99
4) Vinyl Chloride	2.35	62	87476	43.454	ug/l	93
5) Bromomethane	2.77	94	73764	45.208	ug/l	99
6) Chloroethane	2.93	64	58141	46.846	ug/l	98
7) Trichlorofluoromethane	3.28	101	265737	50.982	ug/l	94
8) Diethyl Ether	3.71	74	50225	47.821	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.10	101	132217	50.252	ug/l	98
10) Methyl Iodide	4.30	142	141247	50.089	ug/l	99
11) Tert butyl alcohol	5.21	59	30292	279.650	ug/l	97
12) 1,1-Dichloroethene	4.07	96	117553	48.573	ug/l	97
13) Acrolein	3.92	56	27433	244.486	ug/l	98
14) Allyl chloride	4.72	41	127717	49.309	ug/l	99
15) Acrylonitrile	5.42	53	92809	239.049	ug/l	99
16) Acetone	4.15	43	100509	264.917	ug/l	97
17) Carbon Disulfide	4.41	76	342189	46.143	ug/l	99
18) Methyl Acetate	4.71	43	36332	46.341	ug/l	94
19) Methyl tert-butyl Ether	5.49	73	244270	51.170	ug/l	99
20) Methylene Chloride	4.97	84	124922	46.612	ug/l	89
21) trans-1,2-Dichloroethene	5.47	96	138535	49.147	ug/l	99
22) Diisopropyl ether	6.36	45	251238	49.775	ug/l #	92
23) Vinyl Acetate	6.31	43	681325	257.875	ug/l	99
24) 1,1-Dichloroethane	6.27	63	203772	49.348	ug/l	95
25) 2-Butanone	7.21	43	95190	234.807	ug/l	92
26) 2,2-Dichloropropane	7.21	77	229956	52.767	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	150452	51.423	ug/l	98
28) Bromochloromethane	7.55	49	69601	47.387	ug/l	98
29) Tetrahydrofuran	7.57	42	60060	247.329	ug/l	98
30) Chloroform	7.71	83	253210	51.401	ug/l	98
31) Cyclohexane	7.99	56	167554	45.566	ug/l #	81
32) 1,1,1-Trichloroethane	7.91	97	260975	51.345	ug/l	100
36) 1,1-Dichloropropene	8.11	75	183838	53.072	ug/l	100
37) Ethyl Acetate	7.29	43	44928	49.958	ug/l	97
38) Carbon Tetrachloride	8.10	117	252679	56.143	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	221922	54.433	ug/l	99
40) Benzene	8.36	78	500304	53.320	ug/l	99
41) Methacrylonitrile	7.52	41	23875	44.414	ug/l #	89
42) 1,2-Dichloroethane	8.43	62	157819	54.438	ug/l	98
43) Isopropyl Acetate	8.46	43	91223	51.291	ug/l	99
44) Trichloroethene	9.11	130	162429	52.648	ug/l	99
45) 1,2-Dichloropropane	9.39	63	106539	52.517	ug/l	93
46) Dibromomethane	9.48	93	67311	52.184	ug/l	97
47) Bromodichloromethane	9.67	83	191733	54.688	ug/l	99
48) Methyl methacrylate	9.46	41	44076	47.997	ug/l	89
49) 1,4-Dioxane	9.46	88	13202	1008.205	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	228209	268.293	ug/l	99
52) Toluene	10.41	92	348653	55.476	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	168207	56.019	ug/l	99
54) cis-1,3-Dichloropropene	10.10	75	186236	52.203	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	90664	53.123	ug/l	96
56) Ethyl methacrylate	10.66	69	95349	54.101	ug/l	97
57) 1,3-Dichloropropane	10.95	76	145237	52.884	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	202500	246.388	ug/l	97
59) 2-Hexanone	10.99	43	169638	285.231	ug/l	96
60) Dibromochloromethane	11.14	129	136089	53.904	ug/l	97
61) 1,2-Dibromoethane	11.25	107	90610	52.899	ug/l	99
64) Tetrachloroethene	10.88	164	142117	52.854	ug/l	98
65) Chlorobenzene	11.67	112	378564	54.129	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	149004	54.056	ug/l	99
67) Ethyl Benzene	11.75	91	672337	56.180	ug/l	99
68) m/p-Xylenes	11.86	106	517429	111.133	ug/l	99
69) o-Xylene	12.18	106	236574	56.911	ug/l	97
70) Styrene	12.20	104	405281	55.951	ug/l	98
71) Bromoform	12.37	173	77306	54.990	ug/l #	98
73) Isopropylbenzene	12.48	105	680580	57.183	ug/l	99
74) N-amyl acetate	12.29	43	82505	52.682	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	85032	52.394	ug/l	96
76) 1,2,3-Trichloropropane	12.79	75	52872m	47.592	ug/l	
77) Bromobenzene	12.77	156	160297	54.841	ug/l	97
78) n-propylbenzene	12.83	91	766085	56.274	ug/l	100
79) 2-Chlorotoluene	12.91	91	431094	55.746	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	587888	57.823	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	29515	53.939	ug/l	97
82) 4-Chlorotoluene	13.01	91	463750	55.915	ug/l	100
83) tert-Butylbenzene	13.23	119	499878	58.013	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	572943	56.613	ug/l	98
85) sec-Butylbenzene	13.41	105	663197	57.015	ug/l	100
86) p-Isopropyltoluene	13.52	119	641923	57.147	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	311064	55.773	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	303035	53.659	ug/l	100
89) n-Butylbenzene	13.85	91	555701	57.275	ug/l	99
90) Hexachloroethane	14.11	117	118166	55.862	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	265183	54.937	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	16292	56.698	ug/l	94

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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	186202	56.835	ug/l	99
94) Hexachlorobutadiene	15.27	225	120586	54.996	ug/l	99
95) Naphthalene	15.41	128	288488	57.059	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	152511	54.361	ug/l	98

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

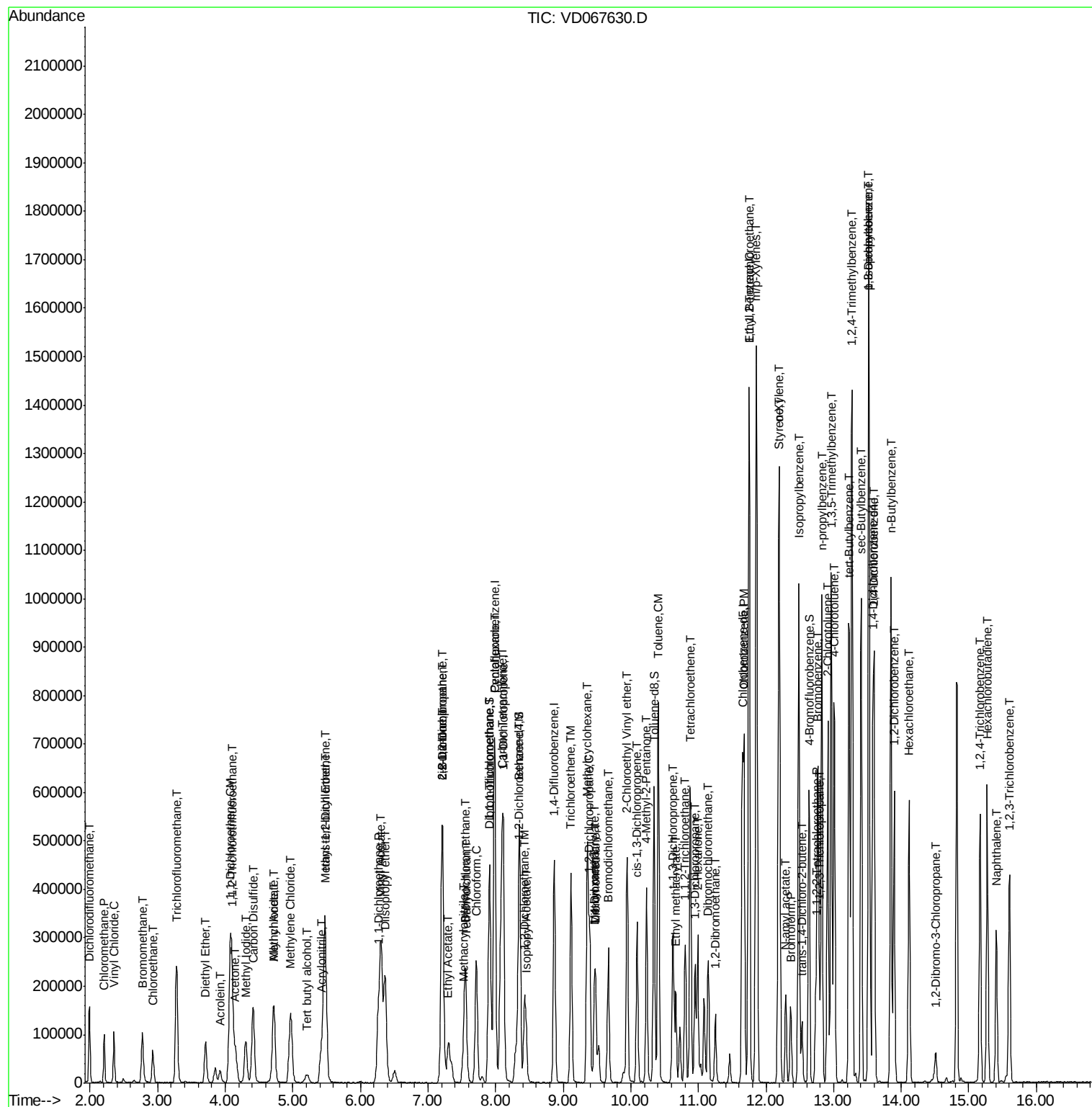
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD111620\
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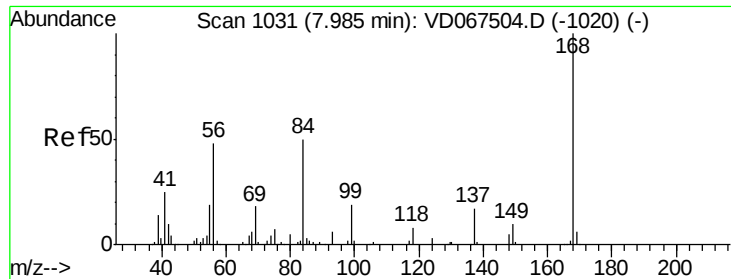
Instrument :
MSVOA_D
ClientSampleId :
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Manual Integrations
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MMDadoda
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067630.D

Acq: 16 Nov 2020 10:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 289954

Ion Ratio Lower Upper

168 100

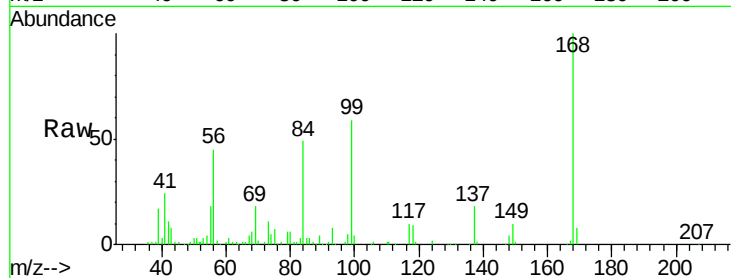
99 58.2 45.0 67.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

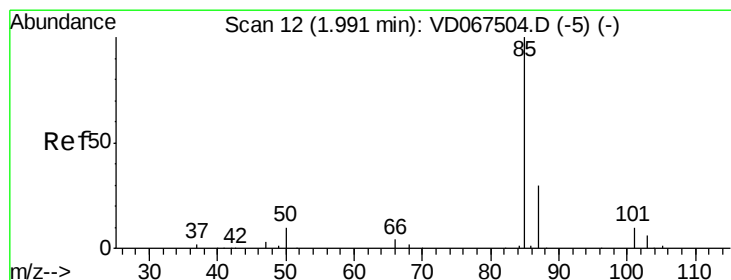
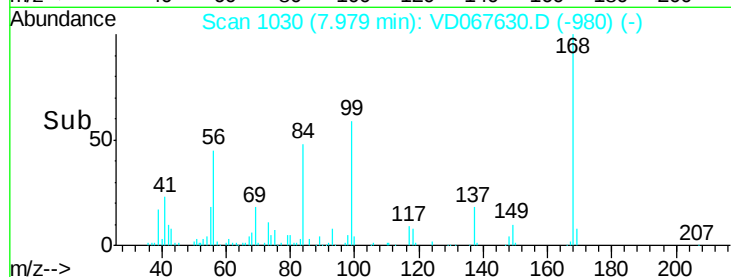
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50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 50.570 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD067630.D

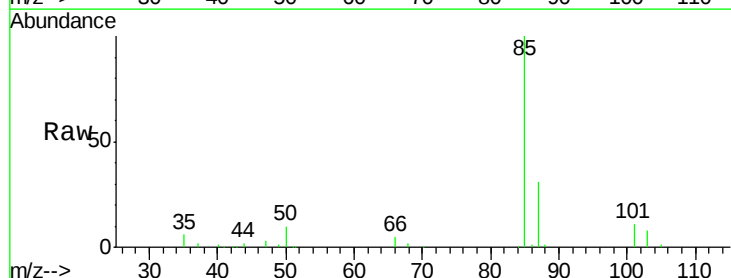
Acq: 16 Nov 2020 10:11

Tgt Ion: 85 Resp: 118570

Ion Ratio Lower Upper

85 100

87 31.5 15.3 45.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

100000

80000

60000

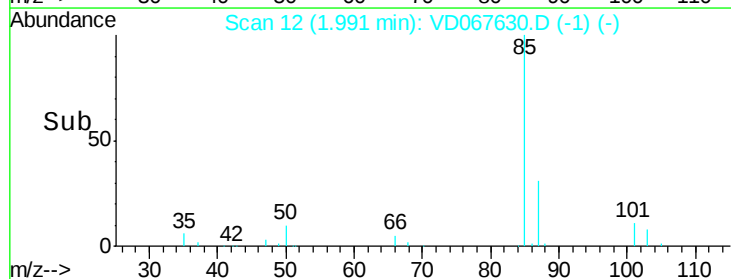
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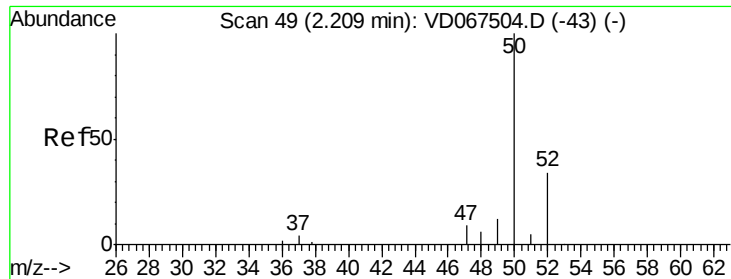
20000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 40.990 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD067630.D

Acq: 16 Nov 2020 10:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 74012

Ion Ratio Lower Upper

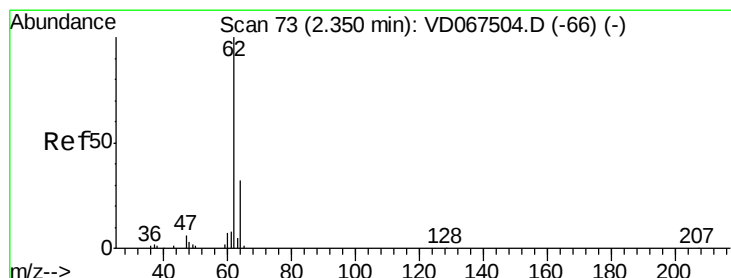
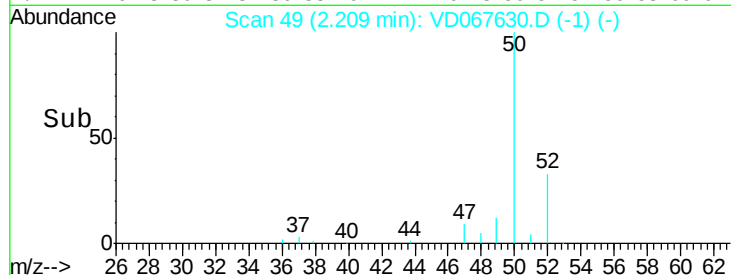
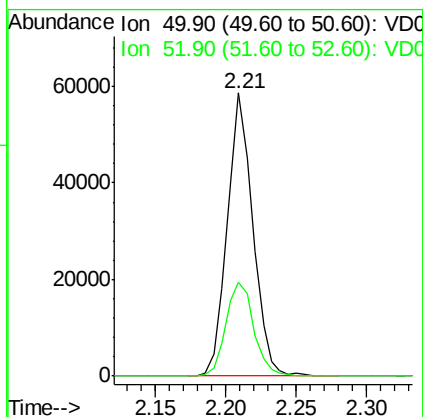
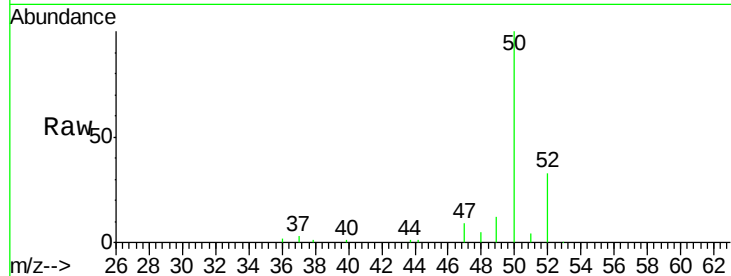
50 100

52 33.3 27.3 40.9

Manual Integrations
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#4

Vinyl Chloride

Concen: 43.454 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067630.D

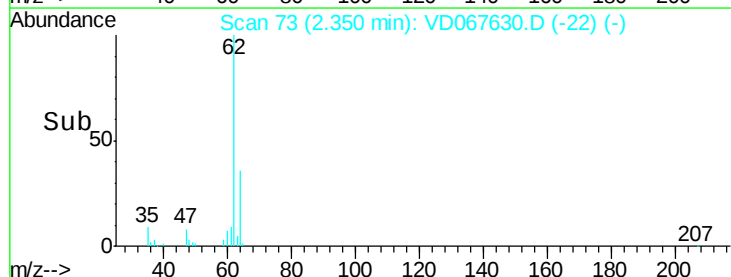
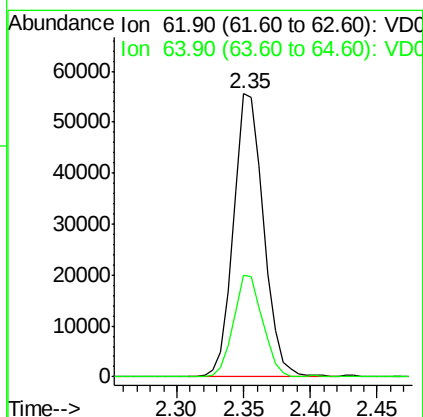
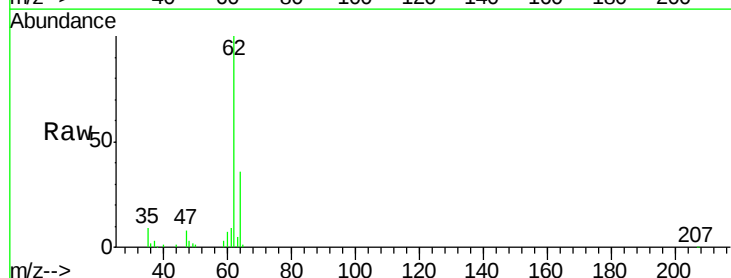
Acq: 16 Nov 2020 10:11

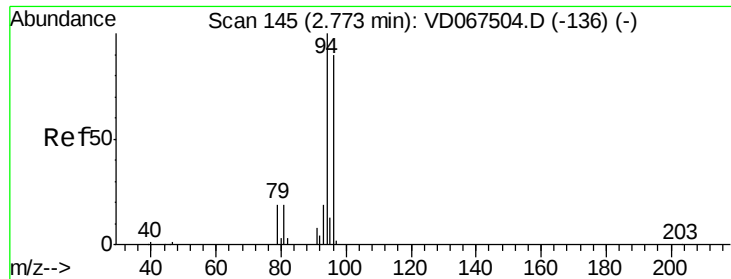
Tgt Ion: 62 Resp: 87476

Ion Ratio Lower Upper

62 100

64 36.1 25.6 38.4





#5

Bromomethane

Concen: 45.208 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD067630.D

Acq: 16 Nov 2020 10:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 73764

Ion Ratio Lower Upper

94 100

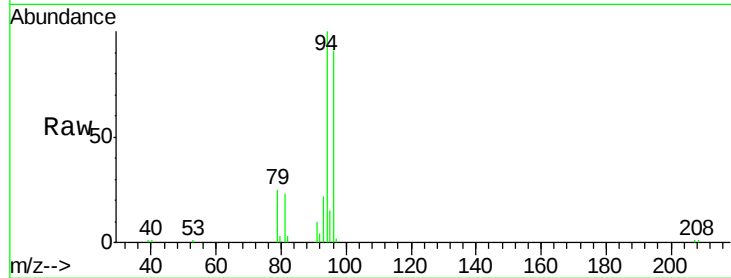
96 91.4 72.2 108.2

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

40000

30000

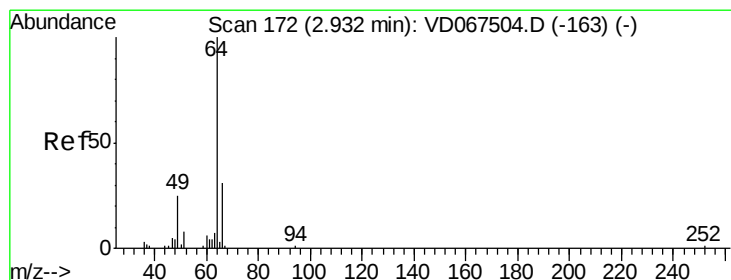
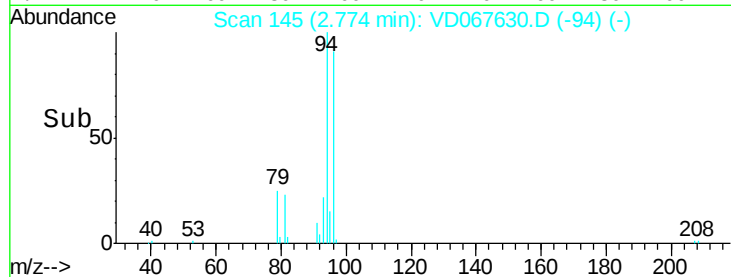
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10000

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Time-->

2.70 2.75 2.80 2.85



#6

Chloroethane

Concen: 46.846 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.01 min

Lab File: VD067630.D

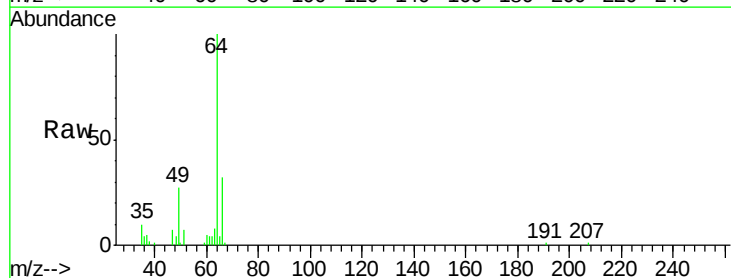
Acq: 16 Nov 2020 10:11

Tgt Ion: 64 Resp: 58141

Ion Ratio Lower Upper

64 100

66 32.0 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.93

30000

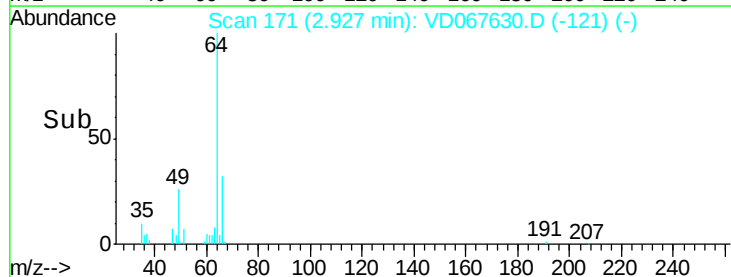
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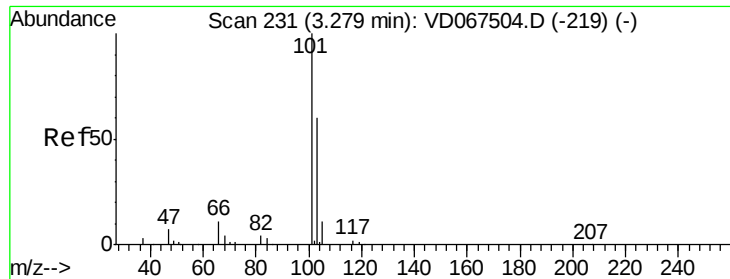
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Time-->

2.85 2.90 2.95 3.00





#7

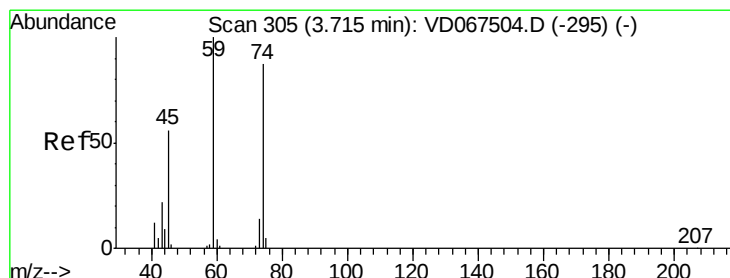
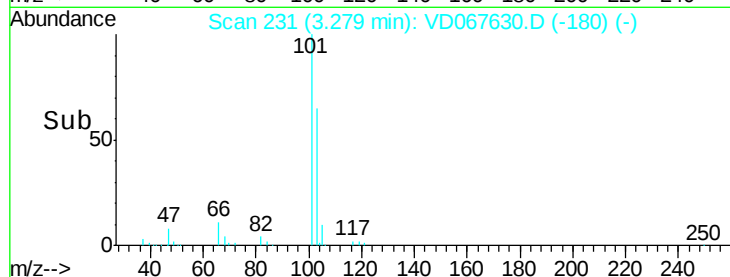
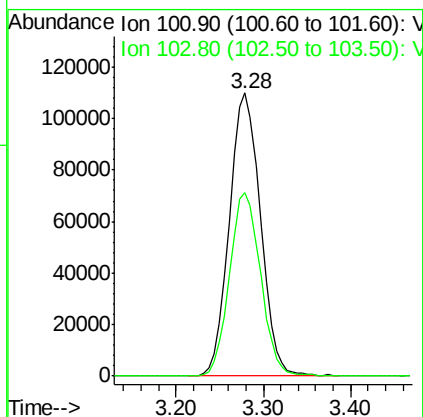
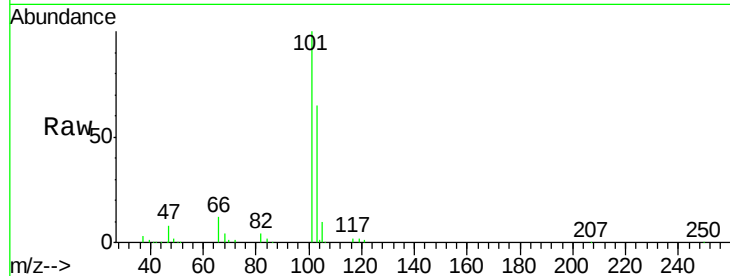
Trichlorofluoromethane
Concen: 50.982 ug/l
RT: 3.28 min Scan# 231
Delta R.T. 0.00 min
Lab File: VD067630.D
Acq: 16 Nov 2020 10:11

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.8	48.1	72.1

Manual Integrations
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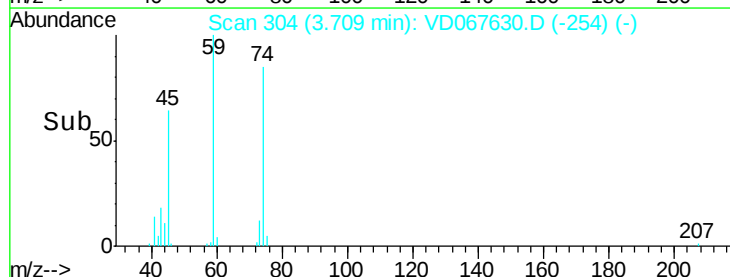
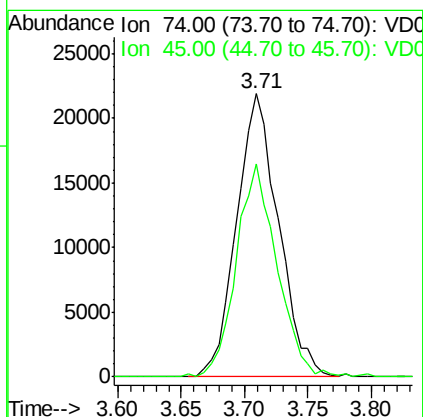
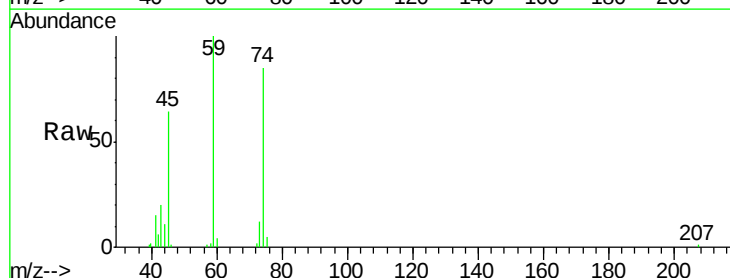
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11/17/2020 6:57:41 PM

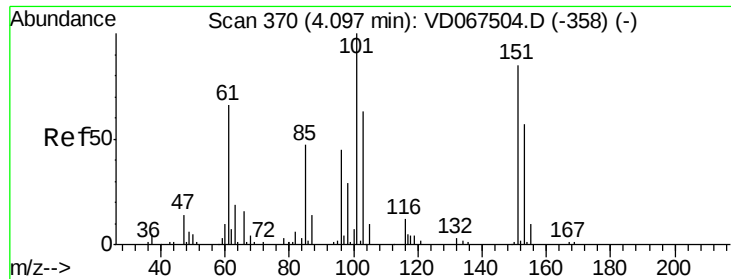


#8

Diethyl Ether
Concen: 47.821 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.01 min
Lab File: VD067630.D
Acq: 16 Nov 2020 10:11

Tgt Ion	Ratio	Lower	Upper
74	100		
45	73.2	38.2	114.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.252 ug/l

RT: 4.10 min Scan# 371

Delta R.T. 0.01 min

Lab File: VD067630.D

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MSVOA_D

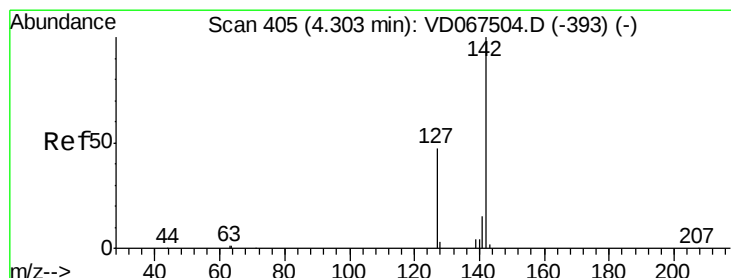
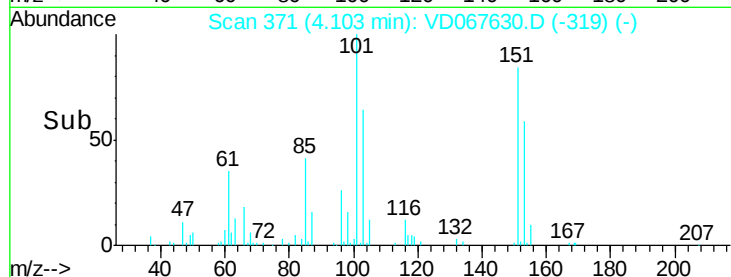
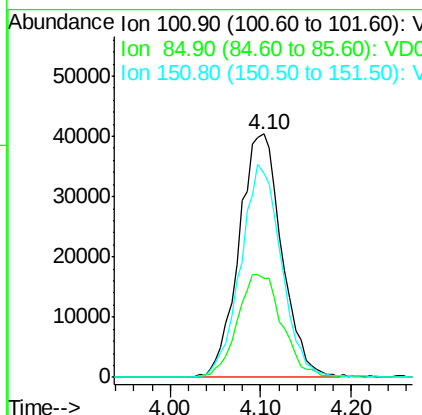
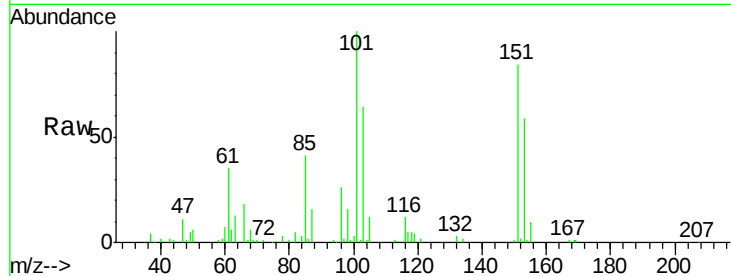
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	132217
Ion Ratio	Lower	Upper	
101	100		
85	43.8	34.4	51.6
151	83.2	68.1	102.1

Manual Integrations
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#10

Methyl Iodide

Concen: 50.089 ug/l

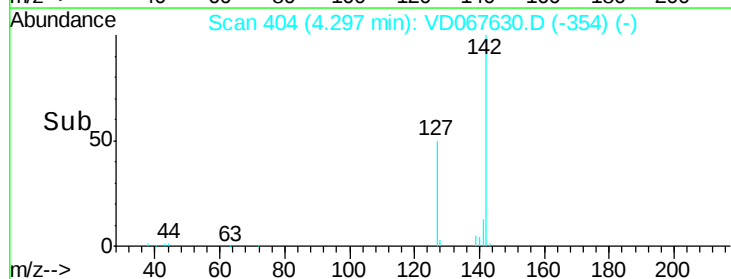
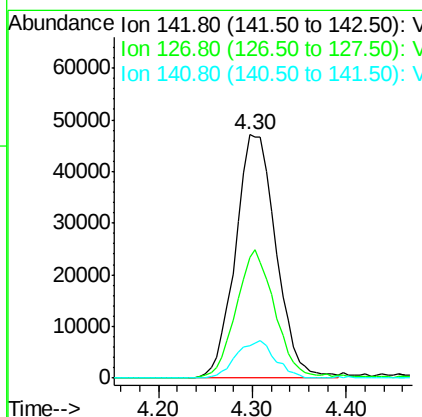
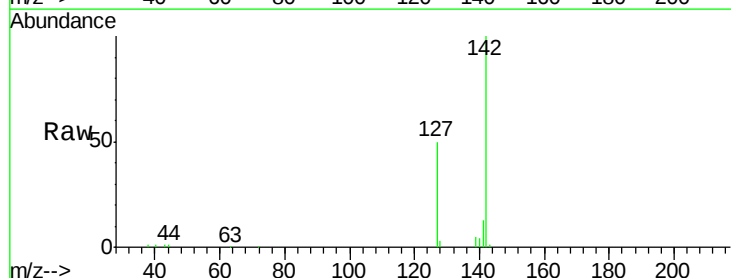
RT: 4.30 min Scan# 404

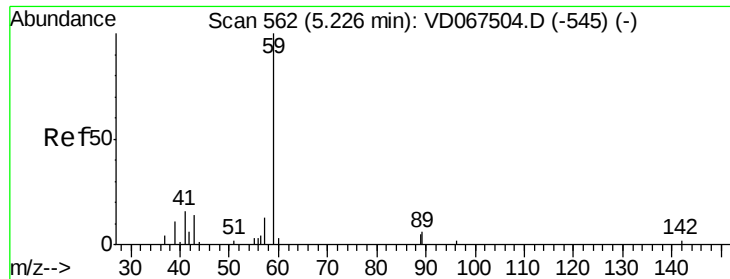
Delta R.T. -0.01 min

Lab File: VD067630.D

Acq: 16 Nov 2020 10:11

Tgt Ion:	142	Resp:	141247
Ion Ratio	Lower	Upper	
142	100		
127	50.7	40.0	60.0
141	14.6	11.7	17.5





#11

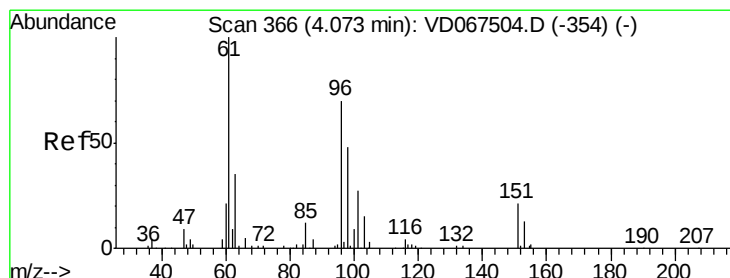
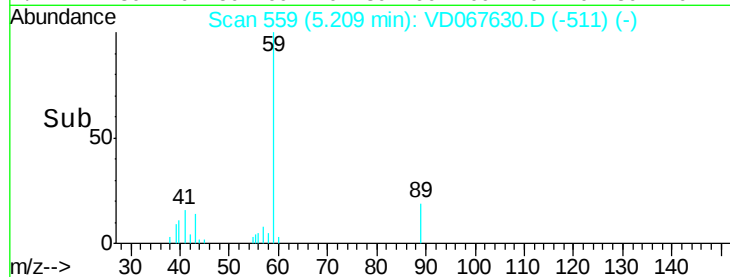
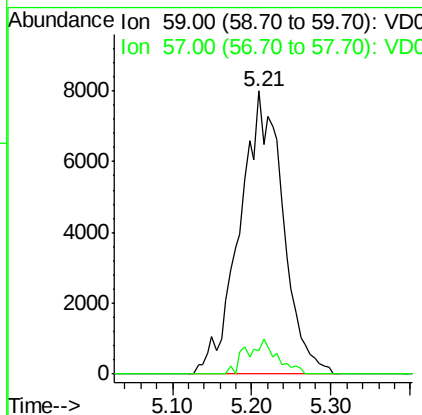
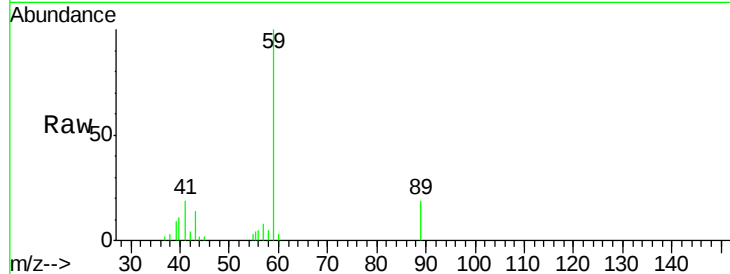
Tert butyl alcohol
Concen: 279.650 ug/l
RT: 5.21 min Scan# 559
Delta R.T. -0.02 min
Lab File: VD067630.D
Acq: 16 Nov 2020 10:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	59	Ratio	Lower	Upper
59	100			
57	6.3		5.9	8.9

Manual Integrations
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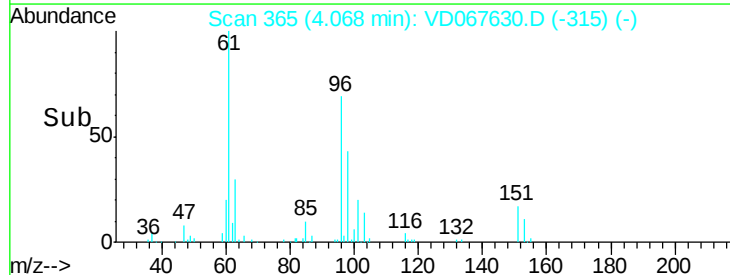
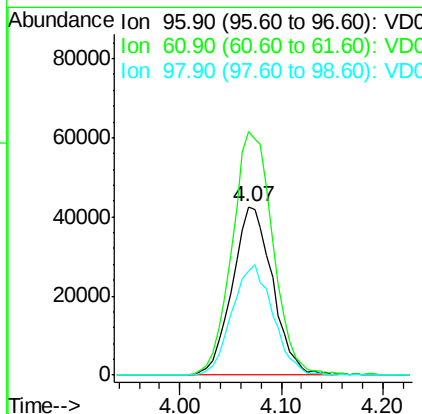
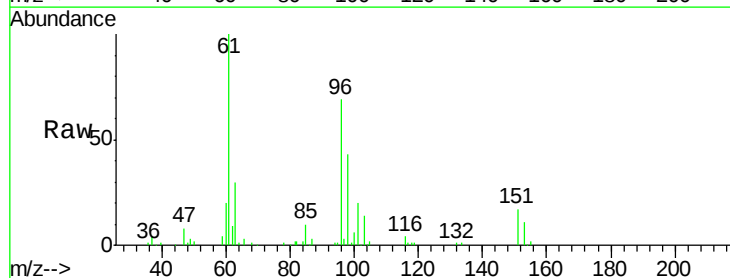
MMDadoda
11/17/2020 6:57:41 PM

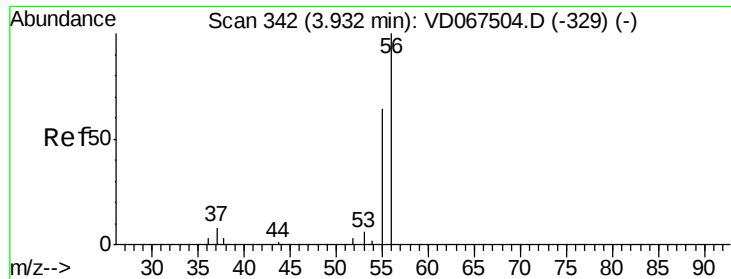


#12

1,1-Dichloroethene
Concen: 48.573 ug/l
RT: 4.07 min Scan# 365
Delta R.T. -0.01 min
Lab File: VD067630.D
Acq: 16 Nov 2020 10:11

Tgt Ion	96	Ratio	Lower	Upper
96	100			
61	144.1		114.5	171.7
98	61.7		54.5	81.7





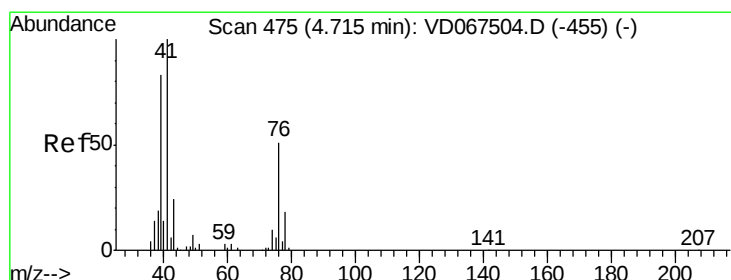
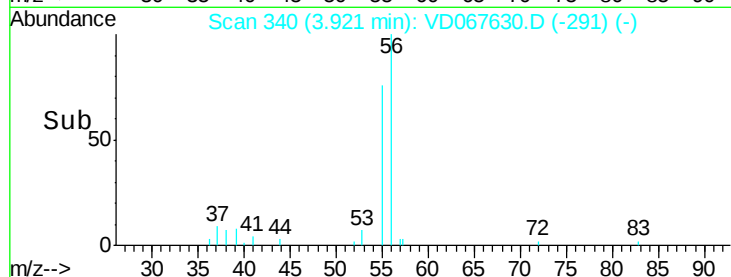
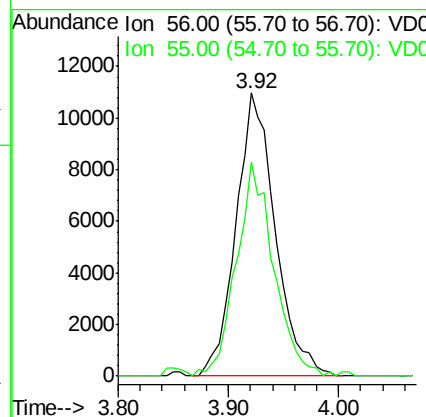
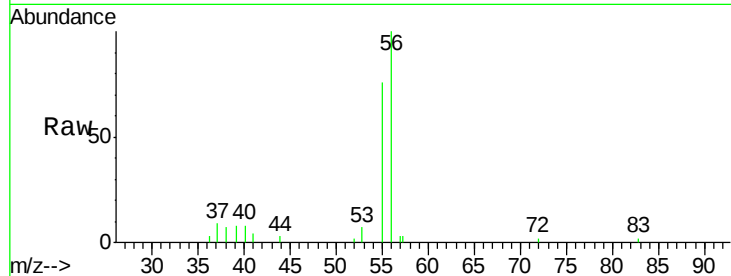
#13
Acrolein
Concen: 244.486 ug/l
RT: 3.92 min Scan# 340
Delta R.T. -0.01 min
Lab File: VD067630.D
Acq: 16 Nov 2020 10:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 27433
Ion Ratio Lower Upper
56 100
55 71.8 55.8 83.8

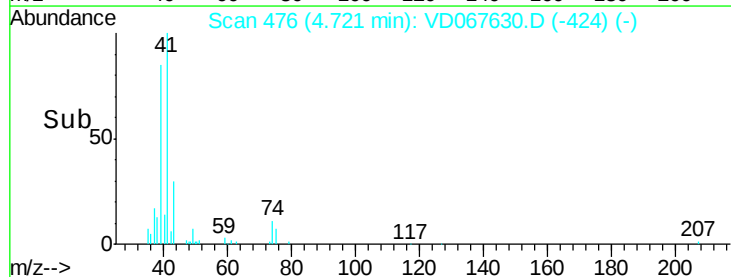
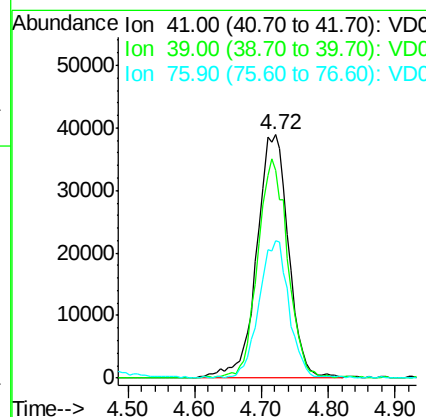
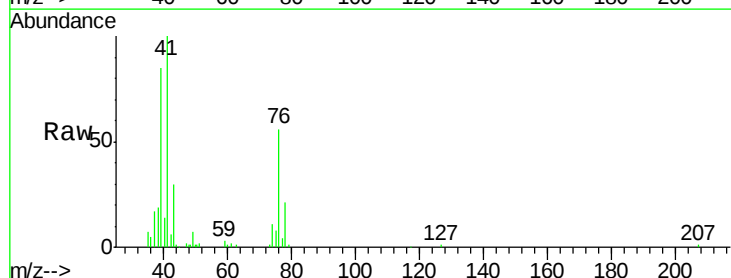
Manual Integrations
APPROVED

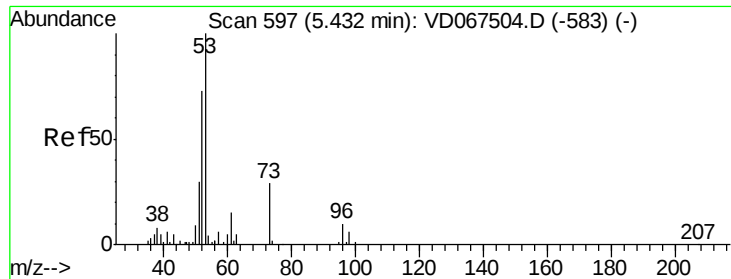
MMDadoda
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#14
Allyl chloride
Concen: 49.309 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.01 min
Lab File: VD067630.D
Acq: 16 Nov 2020 10:11

Tgt Ion: 41 Resp: 127717
Ion Ratio Lower Upper
41 100
39 84.6 67.4 101.0
76 53.2 42.2 63.2





#15

Acrylonitrile

Concen: 239.049 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.01 min

Lab File: VD067630.D

Acq: 16 Nov 2020 10:11

Instrument :

MSVOA_D

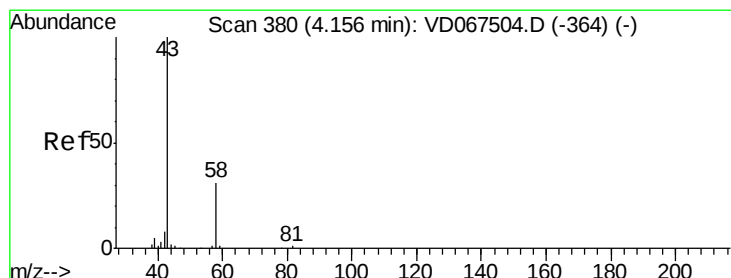
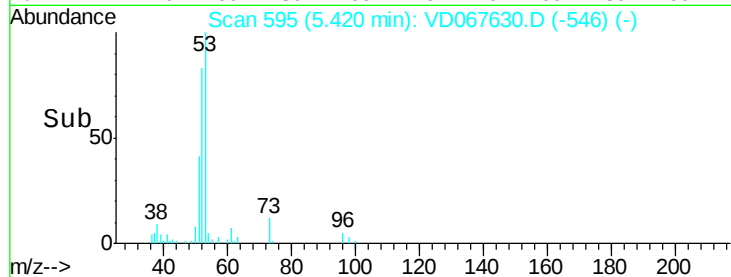
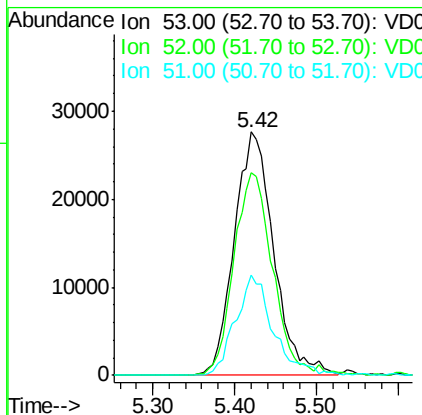
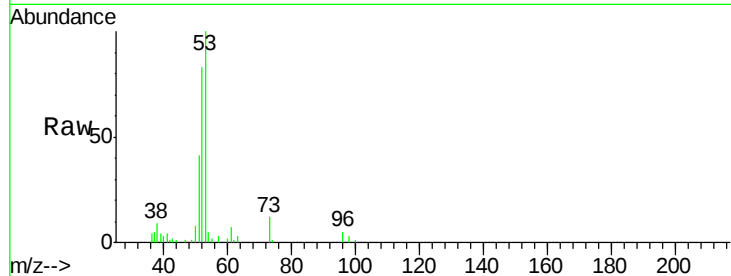
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	92809
Ion Ratio	Lower	Upper	
53	100		
52	80.9	64.8	97.2
51	39.3	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 264.917 ug/l

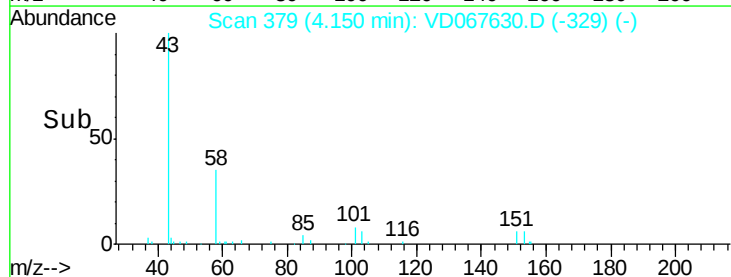
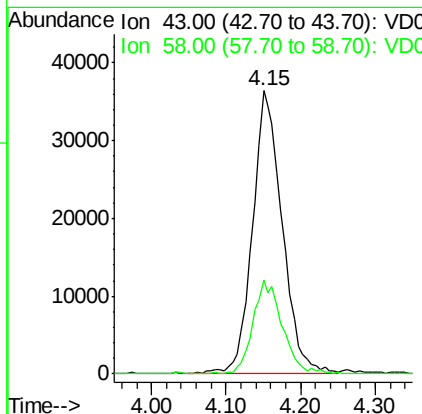
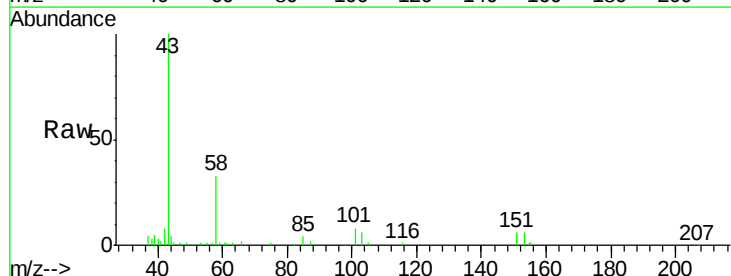
RT: 4.15 min Scan# 379

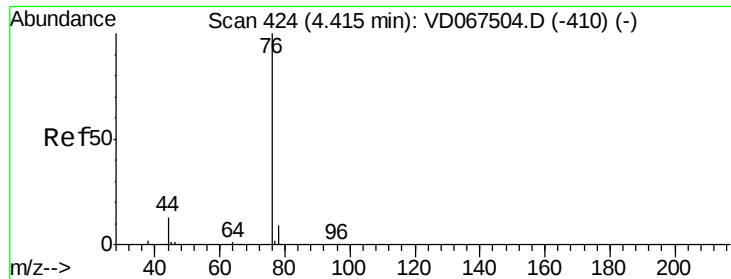
Delta R.T. -0.01 min

Lab File: VD067630.D

Acq: 16 Nov 2020 10:11

Tgt Ion:	43	Resp:	100509
Ion Ratio	Lower	Upper	
43	100		
58	33.1	25.2	37.8





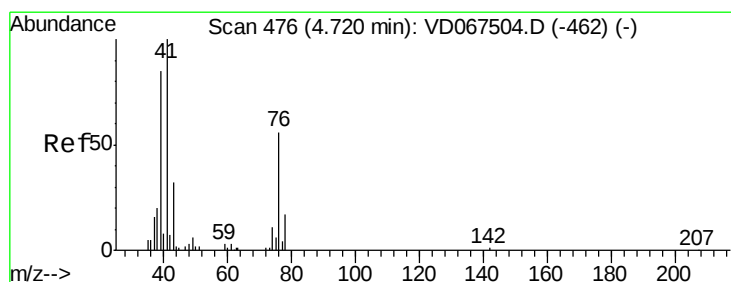
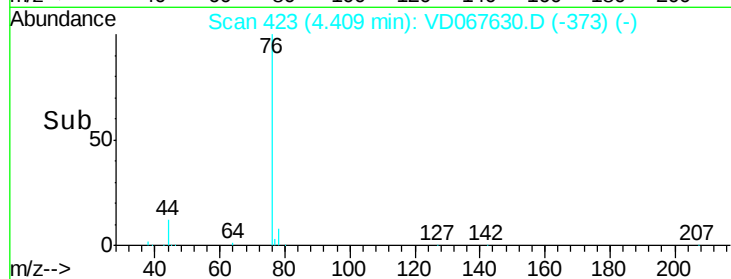
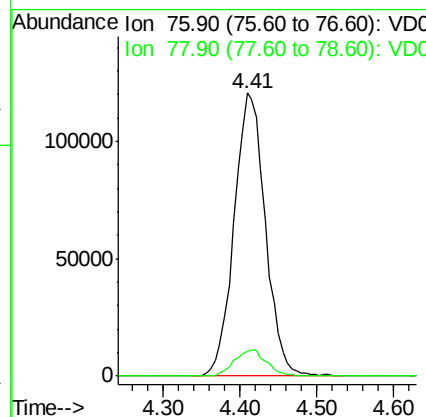
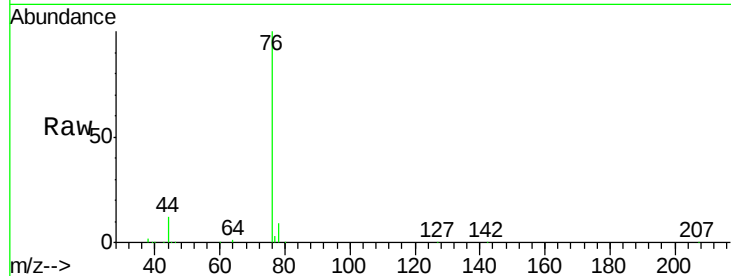
#17
Carbon Disulfide
Concen: 46.143 ug/l
RT: 4.41 min Scan# 423
Delta R.T. -0.01 min
Lab File: VD067630.D
Acq: 16 Nov 2020 10:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.2	10.8

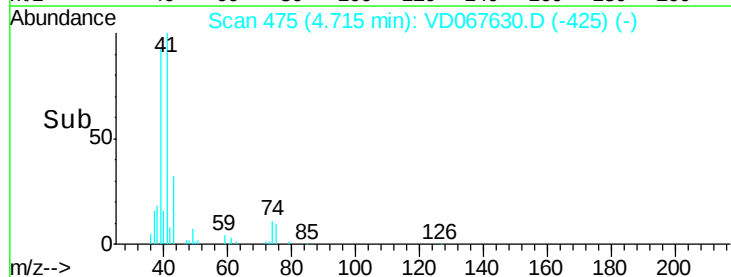
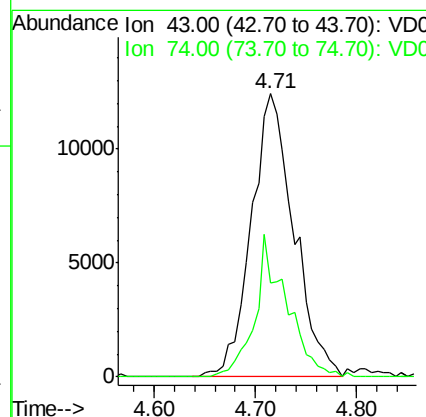
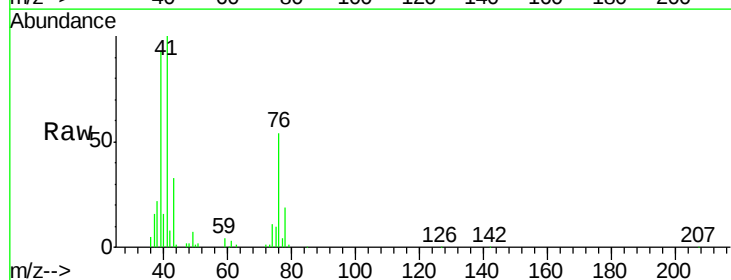
Manual Integrations
APPROVED

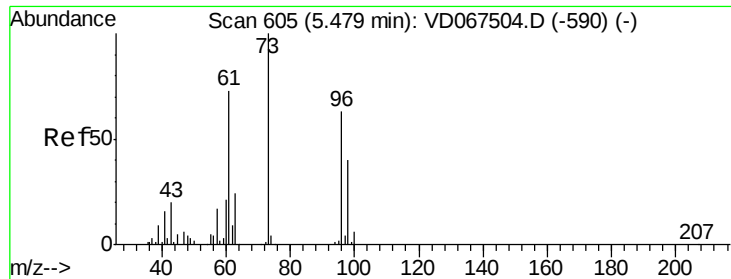
MMDadoda
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#18
Methyl Acetate
Concen: 46.341 ug/l
RT: 4.71 min Scan# 475
Delta R.T. -0.01 min
Lab File: VD067630.D
Acq: 16 Nov 2020 10:11

Tgt Ion	Ratio	Lower	Upper
43	100		
74	37.6	27.2	40.8





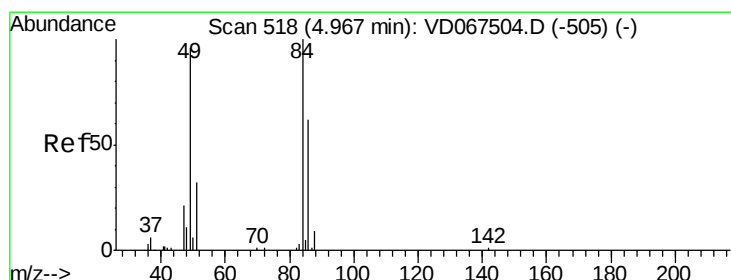
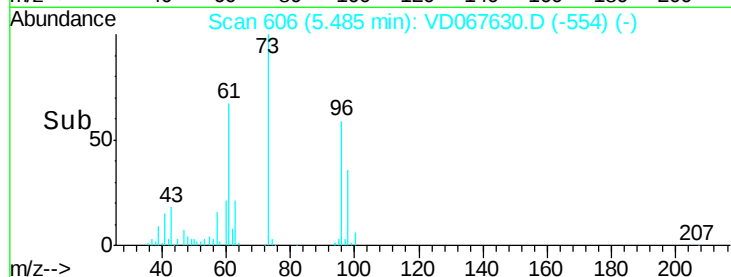
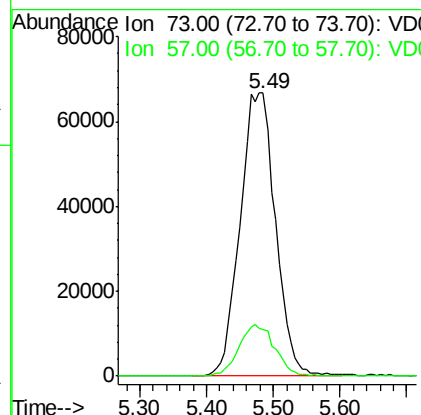
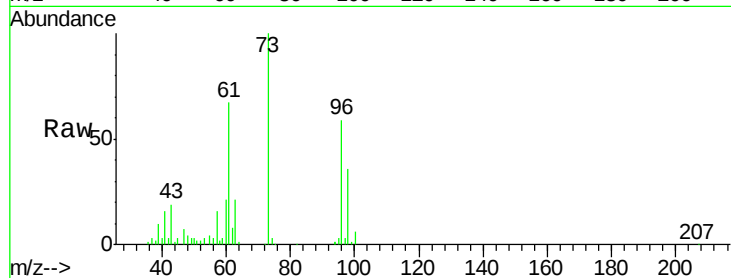
#19
Methyl tert-butyl Ether
Concen: 51.170 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.01 min
Lab File: VD067630.D
Acq: 16 Nov 2020 10:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 244270
Ion Ratio Lower Upper
73 100
57 16.3 13.4 20.0

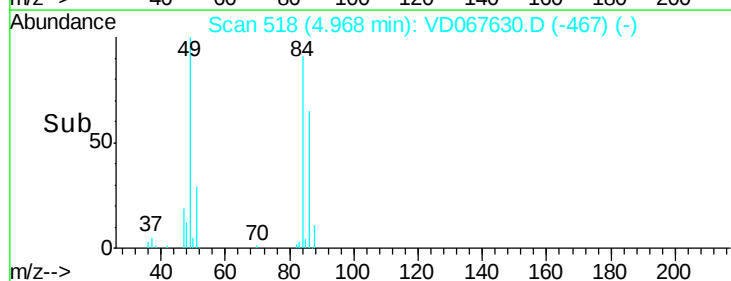
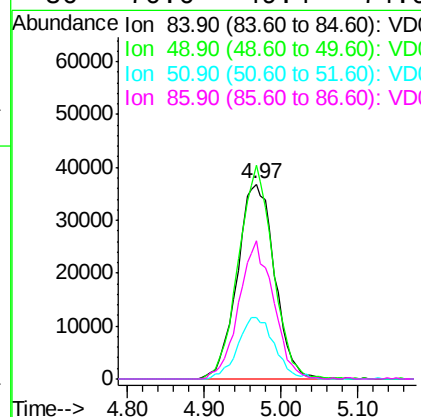
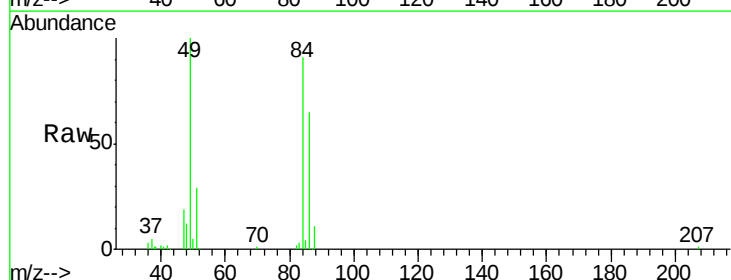
Manual Integrations
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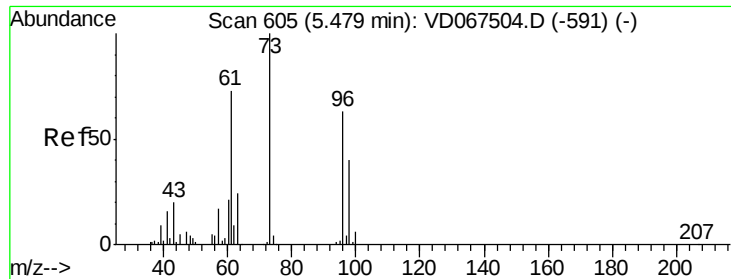
MMDadoda
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#20
Methylene Chloride
Concen: 46.612 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD067630.D
Acq: 16 Nov 2020 10:11

Tgt Ion: 84 Resp: 124922
Ion Ratio Lower Upper
84 100
49 109.4 77.0 115.4
51 31.4 25.4 38.2
86 70.6 49.4 74.0





#21

trans-1,2-Dichloroethene

Concen: 49.147 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.01 min

Lab File: VD067630.D

Acq: 16 Nov 2020 10:11

Instrument :

MSVOA_D

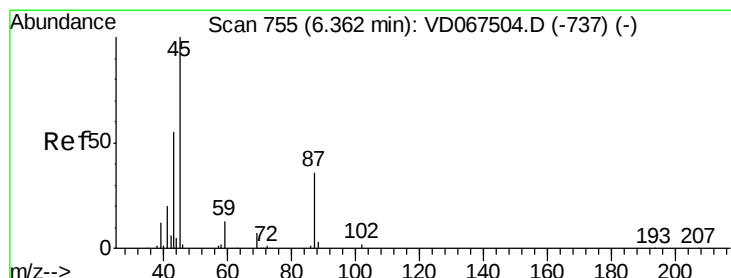
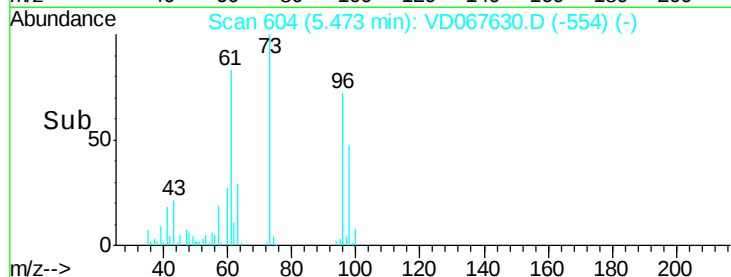
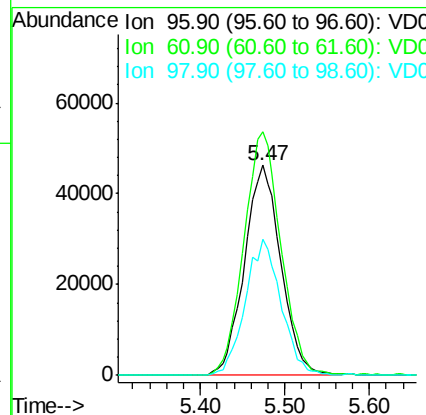
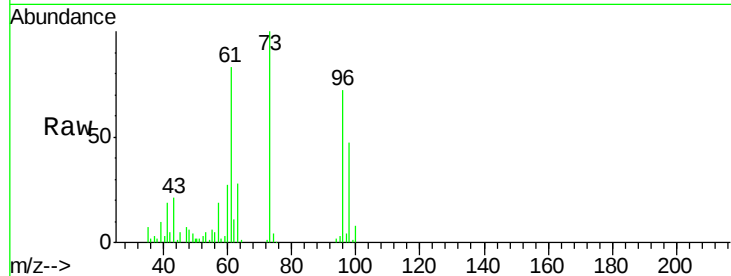
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	138535
Ion Ratio	Lower	Upper	
96	100		
61	115.8	93.0	139.6
98	64.9	50.9	76.3

Manual Integrations
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#22

Diisopropyl ether

Concen: 49.775 ug/l

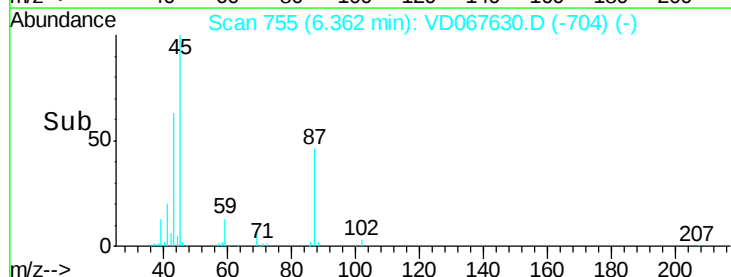
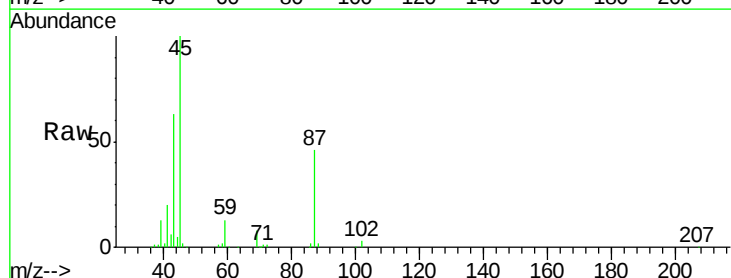
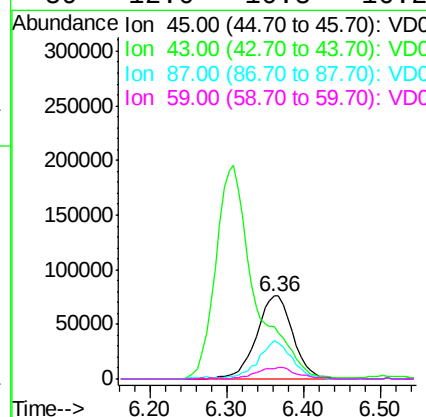
RT: 6.36 min Scan# 755

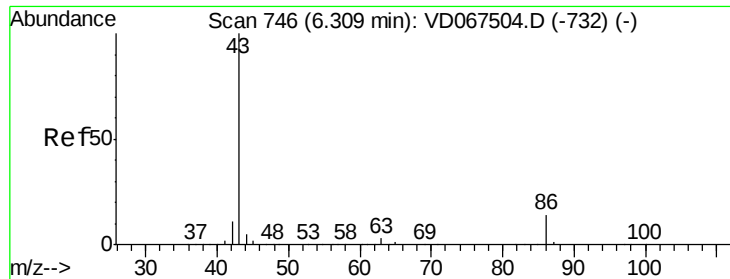
Delta R.T. 0.00 min

Lab File: VD067630.D

Acq: 16 Nov 2020 10:11

Tgt Ion:	45	Resp:	251238
Ion Ratio	Lower	Upper	
45	100		
43	61.2	46.2	69.4
87	46.2	29.4	44.2#
59	12.0	10.8	16.2





#23

Vinyl Acetate

Concen: 257.875 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD067630.D

Acq: 16 Nov 2020 10:11

Instrument :

MSVOA_D

ClientSampleID :

VSTDCCC050

Tot Ion: 43 Resp: 681325

Ion Ratio Lower Upper

43 100

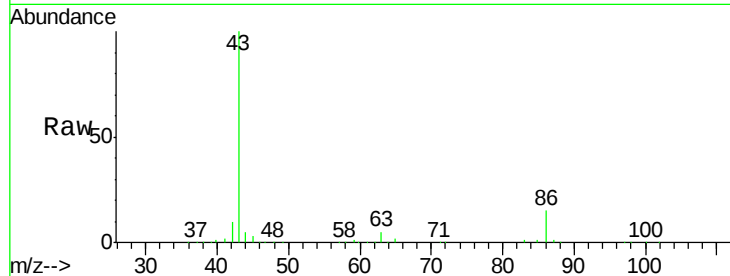
86 14.9 11.6 17.4

Manual Integrations

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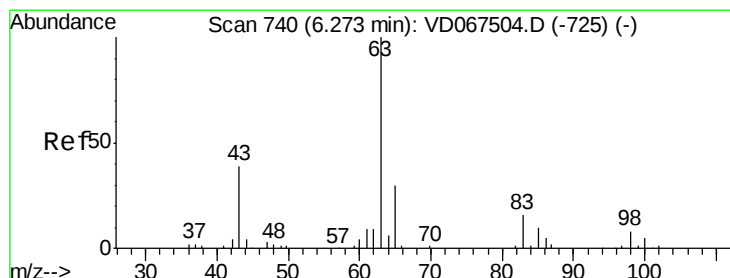
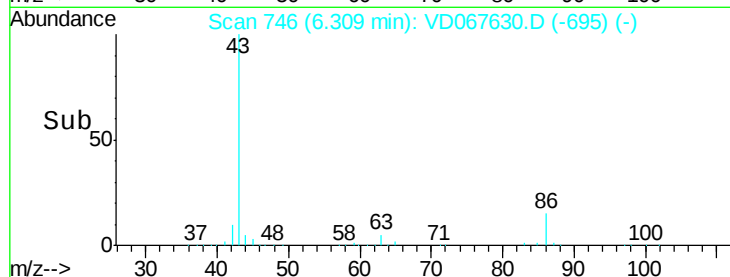
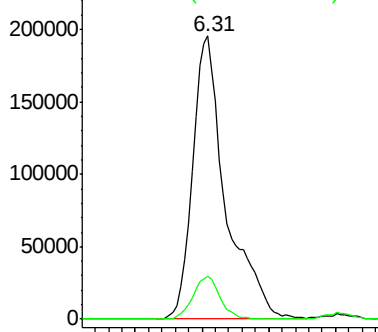
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 49.348 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD067630.D

Acq: 16 Nov 2020 10:11

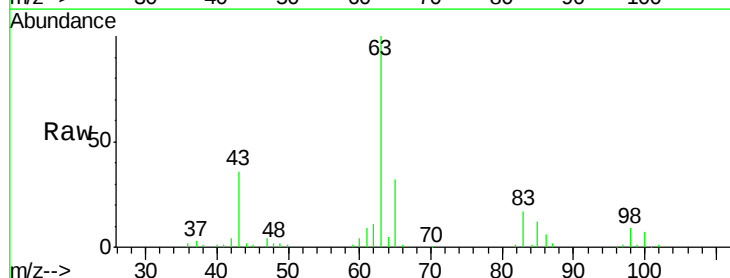
Tgt Ion: 63 Resp: 203772

Ion Ratio Lower Upper

63 100

98 9.4 3.9 11.5

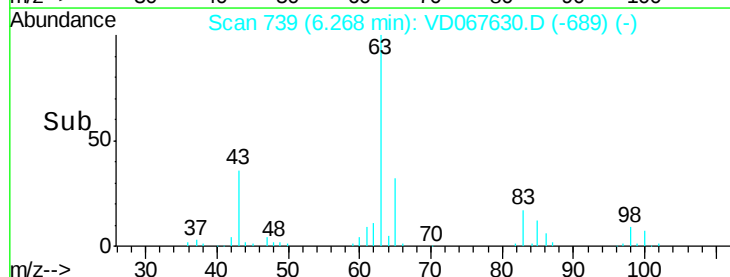
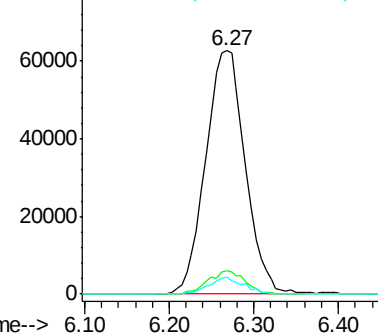
100 6.9 2.6 7.8

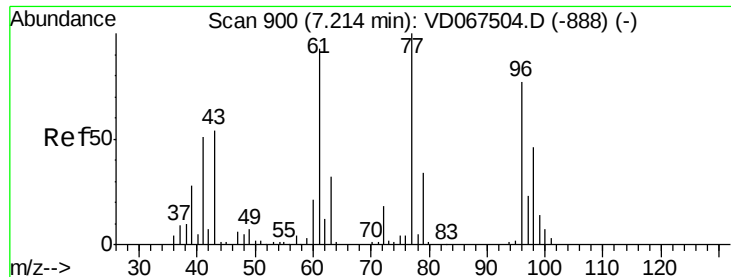


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





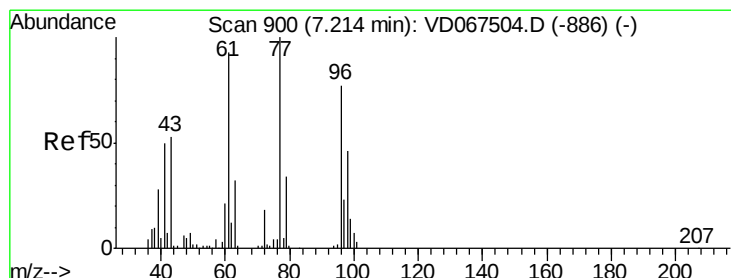
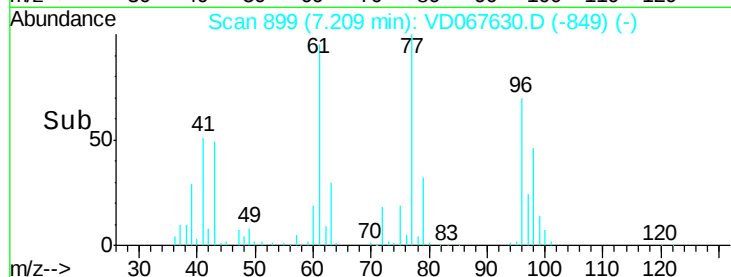
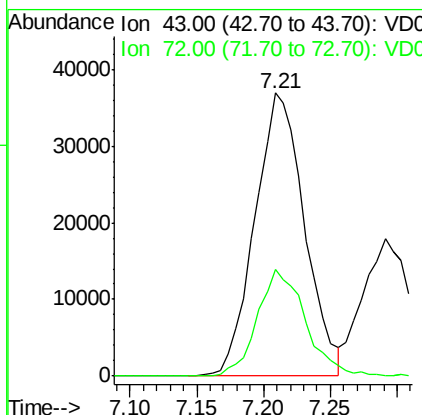
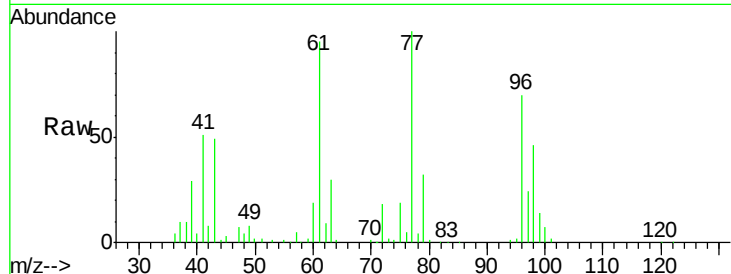
#25
2-Butanone
Concen: 234.807 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD067630.D
Acq: 16 Nov 2020 10:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 95190
Ion Ratio Lower Upper
43 100
72 37.7 26.4 39.6

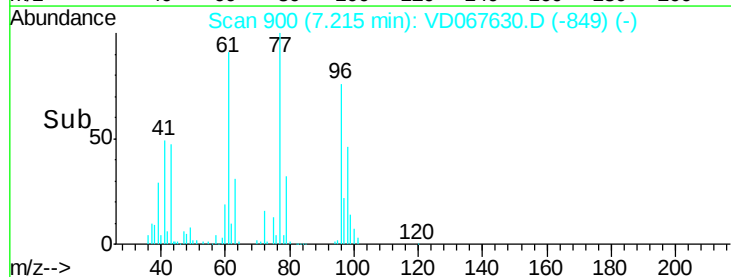
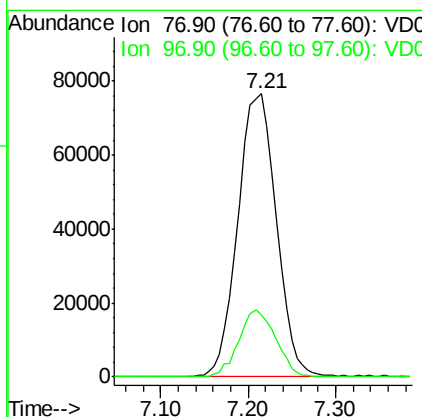
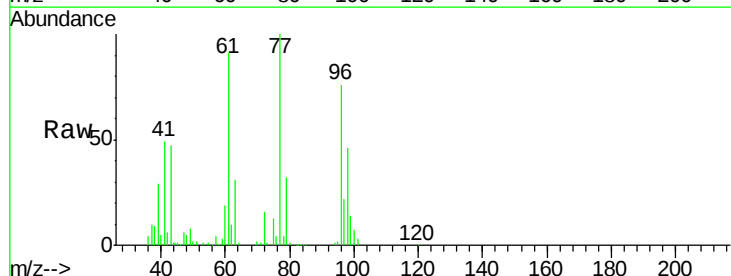
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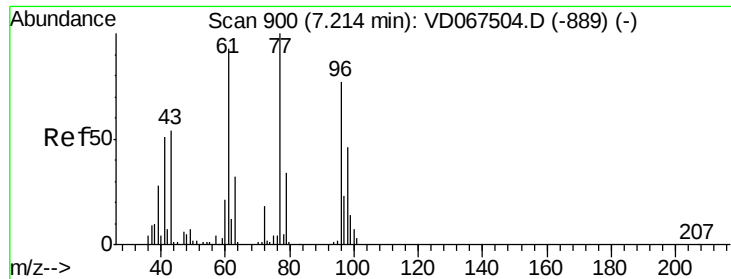
MMDadoda
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#26
2,2-Dichloropropane
Concen: 52.767 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD067630.D
Acq: 16 Nov 2020 10:11

Tgt Ion: 77 Resp: 229956
Ion Ratio Lower Upper
77 100
97 22.6 11.1 33.3





#27

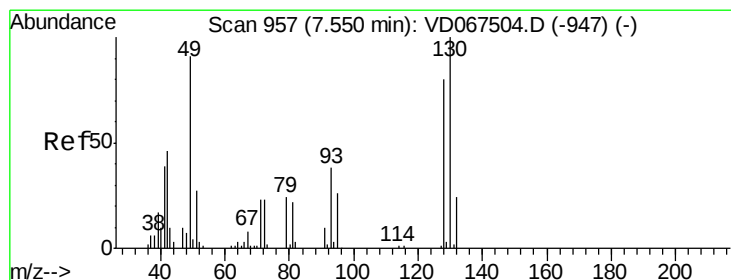
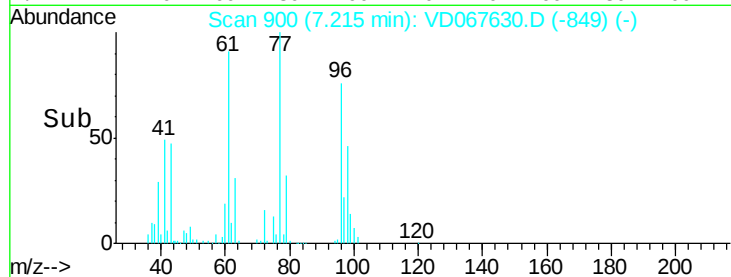
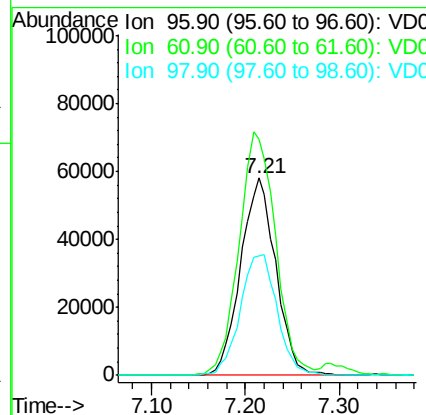
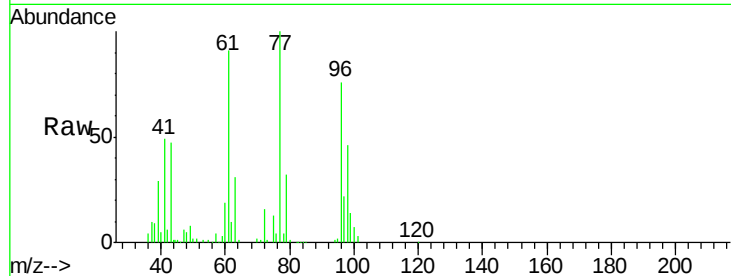
cis-1,2-Dichloroethene
Concen: 51.423 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD067630.D
Acq: 16 Nov 2020 10:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	150452		
61	128.4	0.0	251.6	
98	64.4	0.0	128.0	

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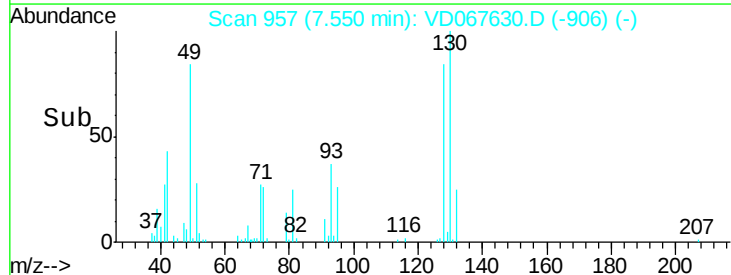
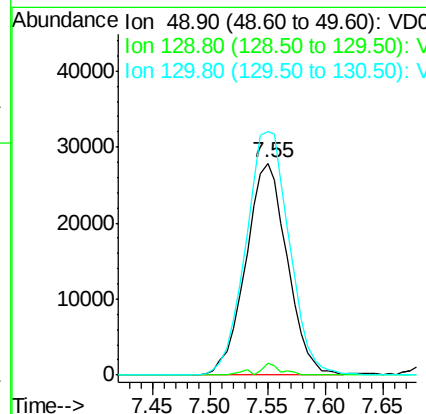
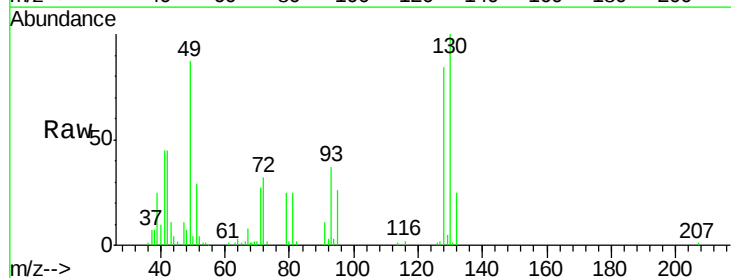
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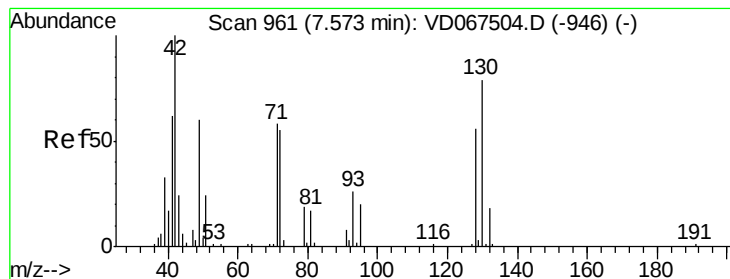


#28

Bromochloromethane
Concen: 47.387 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD067630.D
Acq: 16 Nov 2020 10:11

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	69601		
129	2.2	0.0	6.4	
130	120.8	94.6	142.0	





#29

Tetrahydrofuran

Concen: 247.329 ug/l

RT: 7.57 min Scan# 960

Delta R.T. -0.01 min

Lab File: VD067630.D

Acq: 16 Nov 2020 10:11

Instrument :

MSVOA_D

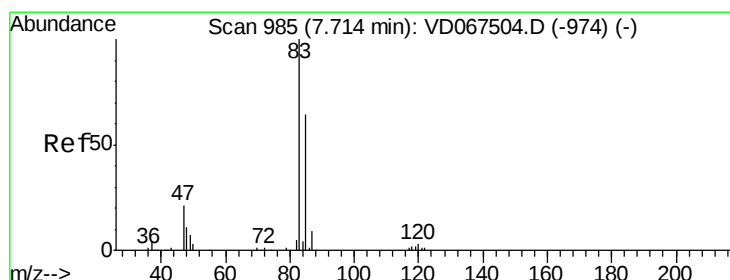
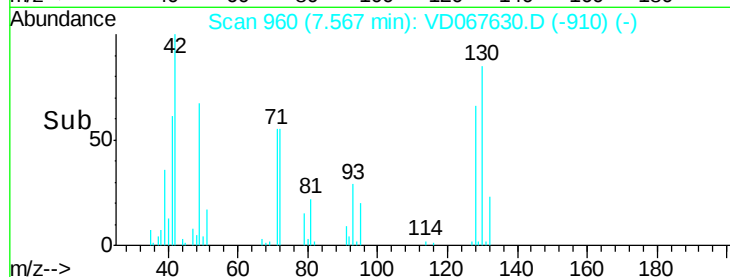
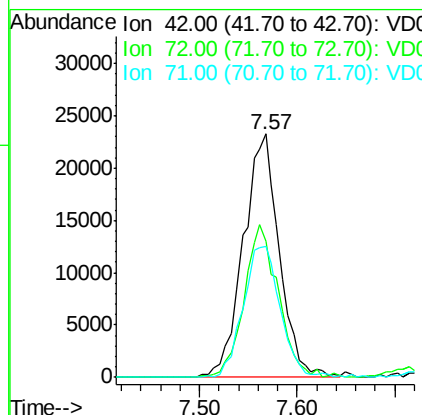
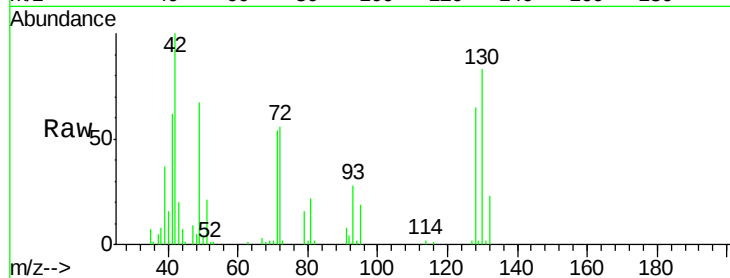
ClientSampleId :

VSTDCCC050

Tot Ion:	42	Resp:	60060
Ion	Ratio	Lower	Upper
42	100		
72	59.6	46.3	69.5
71	55.5	44.0	66.0

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#30

Chloroform

Concen: 51.401 ug/l

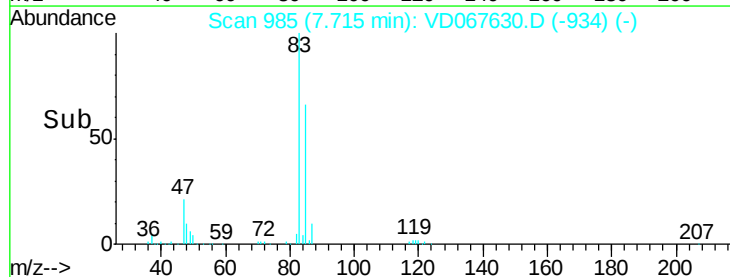
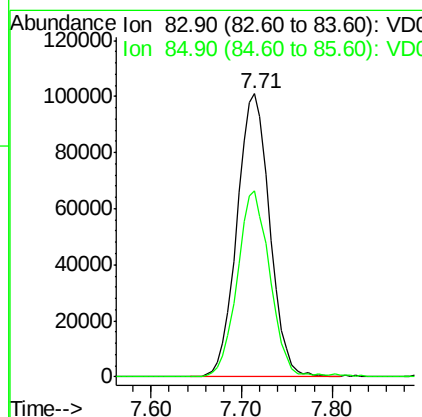
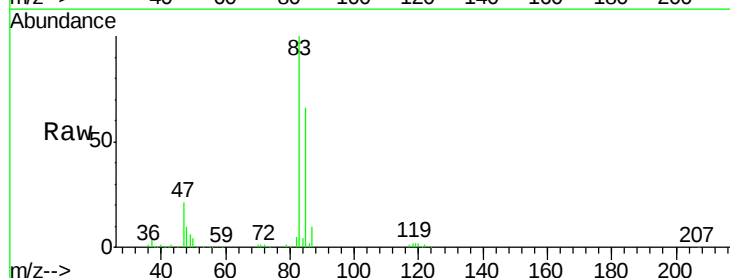
RT: 7.71 min Scan# 985

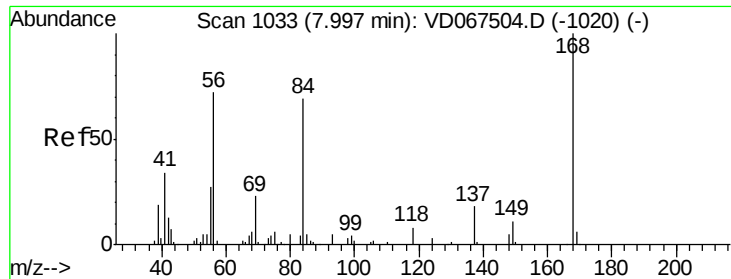
Delta R.T. 0.00 min

Lab File: VD067630.D

Acq: 16 Nov 2020 10:11

Tgt Ion:	83	Resp:	253210
Ion	Ratio	Lower	Upper
83	100		
85	65.6	51.5	77.3





#31

Cyclohexane

Concen: 45.566 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. -0.01 min

Lab File: VD067630.D

Acq: 16 Nov 2020 10:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 167554

Ion Ratio Lower Upper

56 100

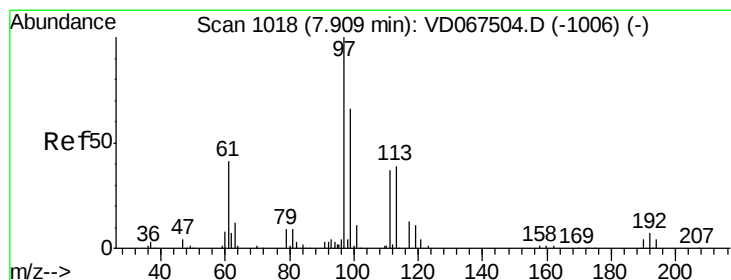
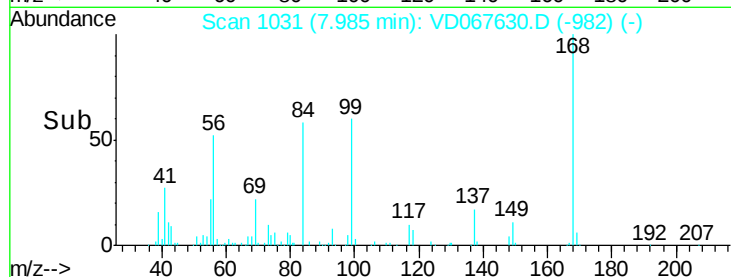
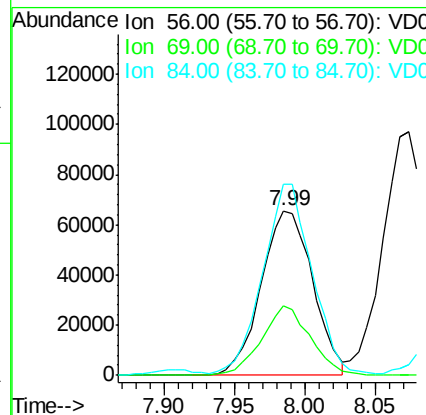
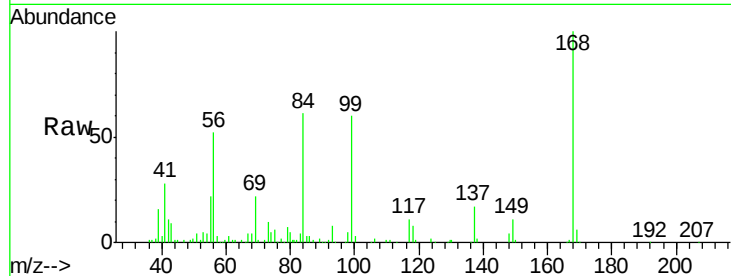
69 42.2 25.9 38.9#

84 114.3 76.2 114.4

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#32

1,1,1-Trichloroethane

Concen: 51.345 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VD067630.D

Acq: 16 Nov 2020 10:11

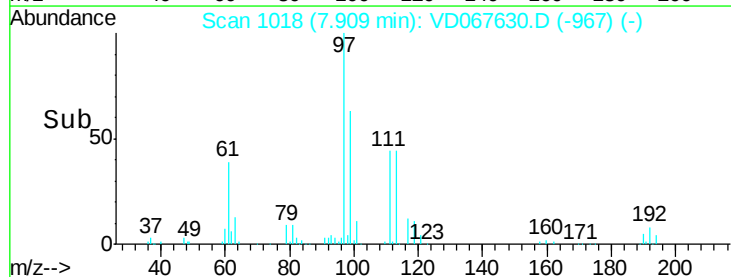
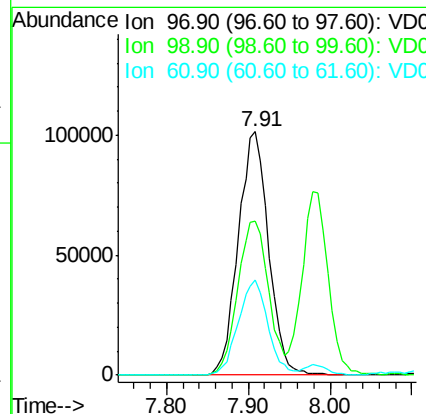
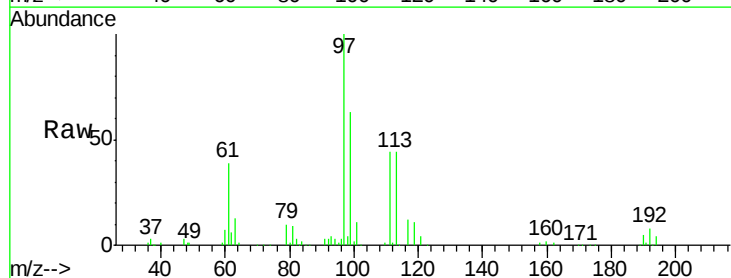
Tgt Ion: 97 Resp: 260975

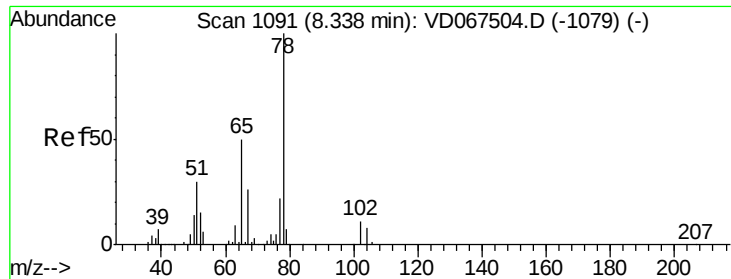
Ion Ratio Lower Upper

97 100

99 64.5 51.8 77.6

61 38.3 30.5 45.7





#33

1,2-Dichloroethane-d4

Concen: 47.149 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD067630.D

Acq: 16 Nov 2020 10:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 119539

Ion Ratio Lower Upper

65 100

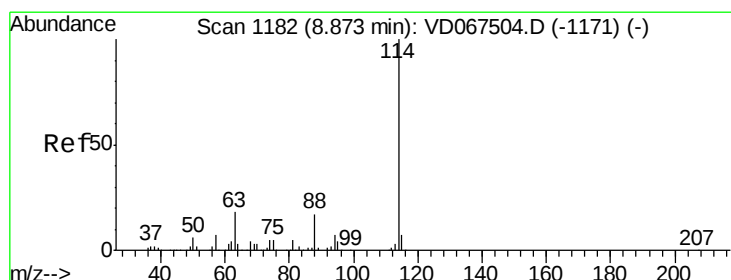
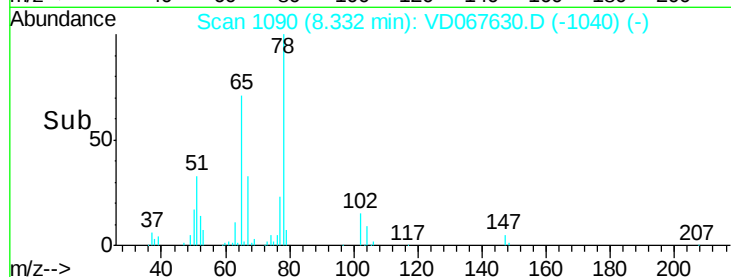
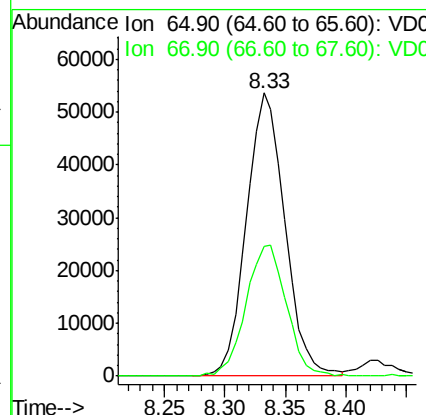
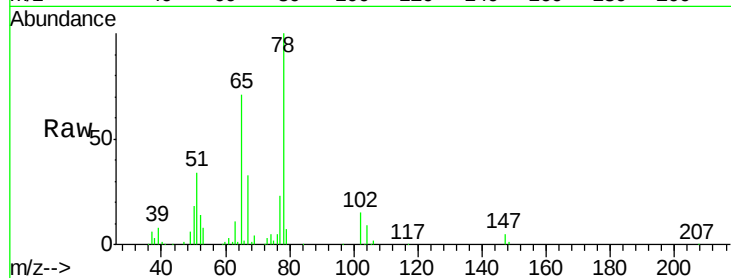
67 48.5 0.0 99.4

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.01 min

Lab File: VD067630.D

Acq: 16 Nov 2020 10:11

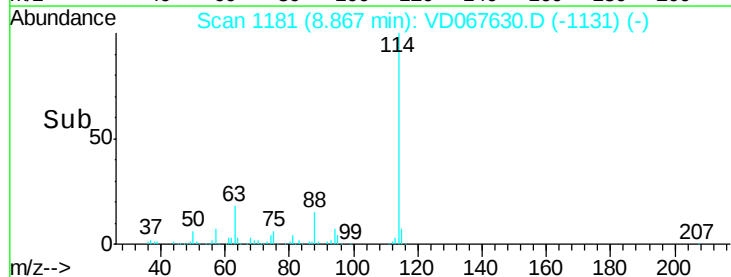
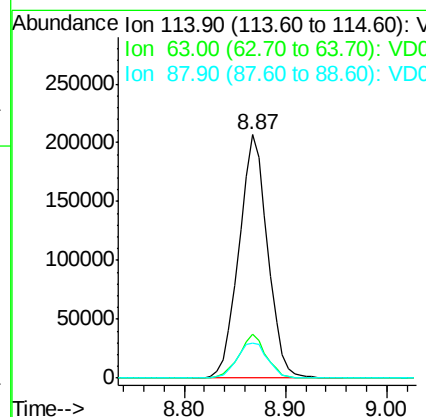
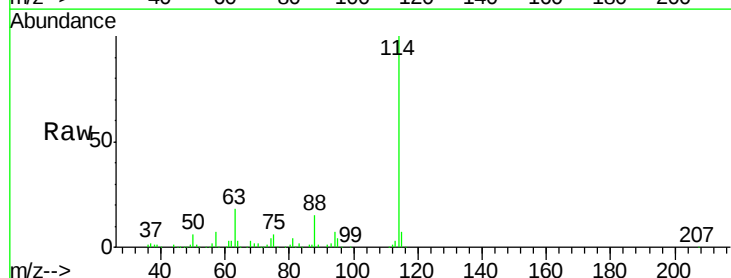
Tgt Ion: 114 Resp: 404675

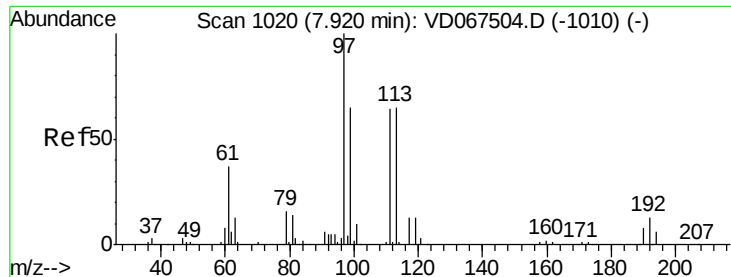
Ion Ratio Lower Upper

114 100

63 18.0 0.0 35.0

88 14.5 0.0 33.0





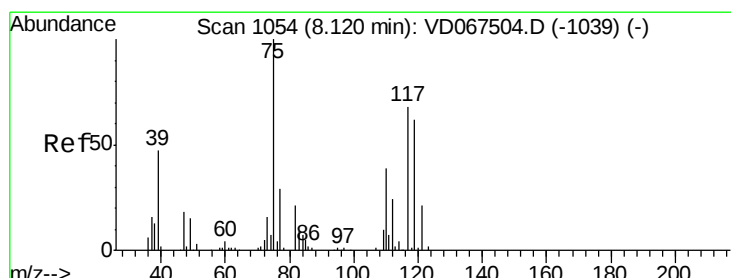
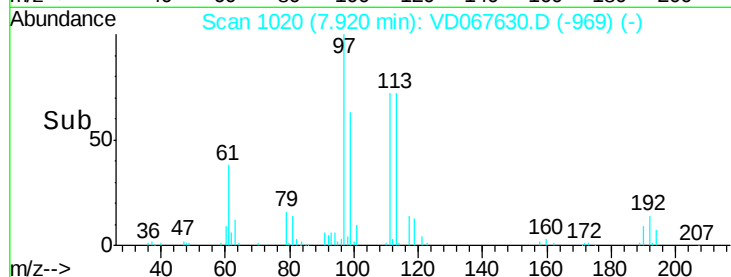
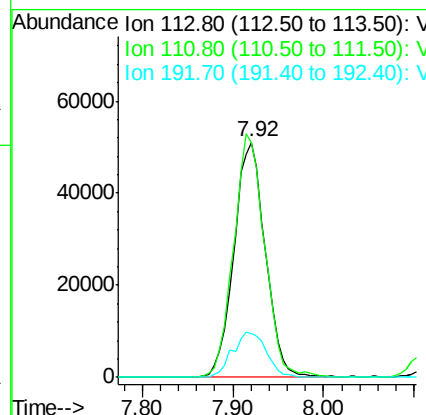
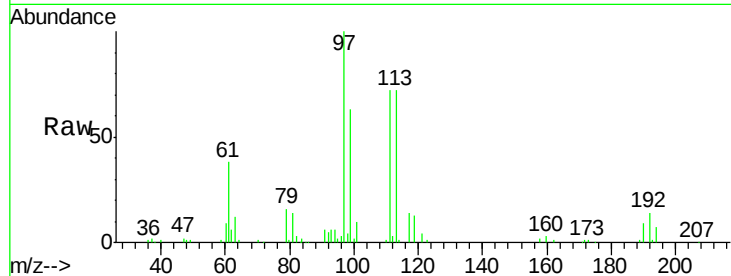
#35
 Dibromofluoromethane
 Concen: 50.459 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD067630.D
 Acq: 16 Nov 2020 10:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	123028		
111	102.7	80.0	120.0	
192	20.7	16.3	24.5	

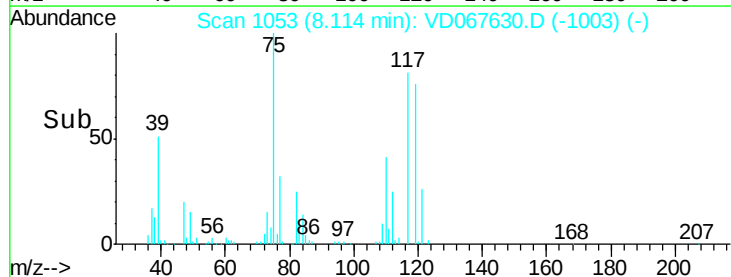
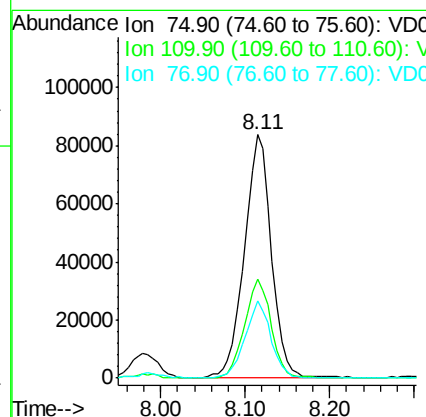
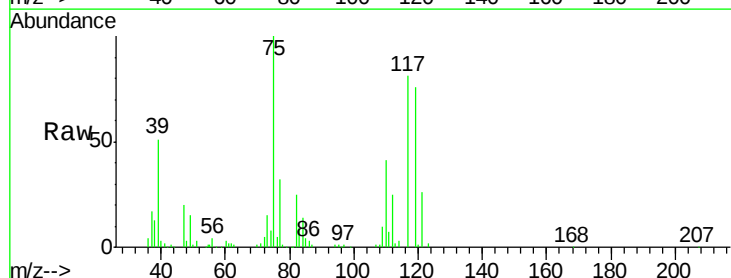
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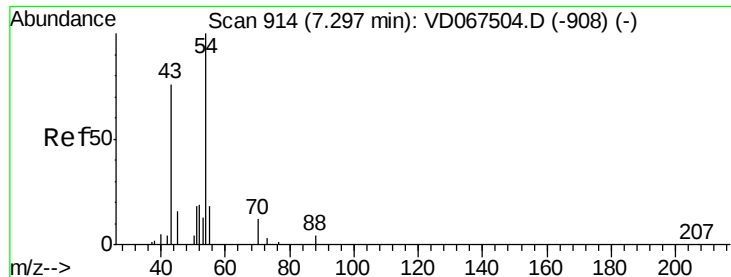
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#36
 1,1-Dichloropropene
 Concen: 53.072 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VD067630.D
 Acq: 16 Nov 2020 10:11

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	183838		
110	40.2	19.9	59.7	
77	31.0	24.8	37.2	





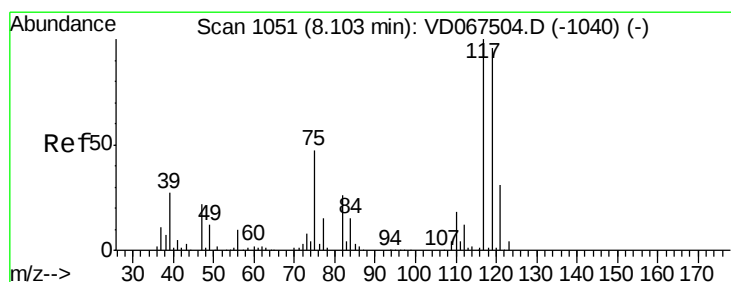
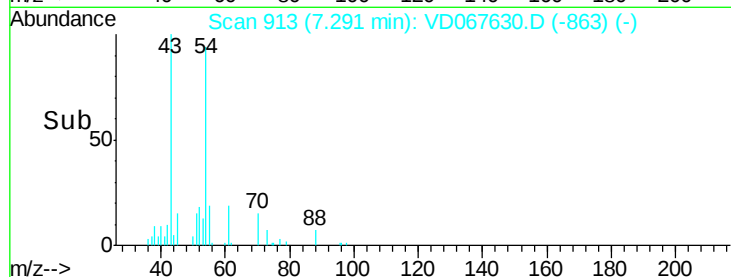
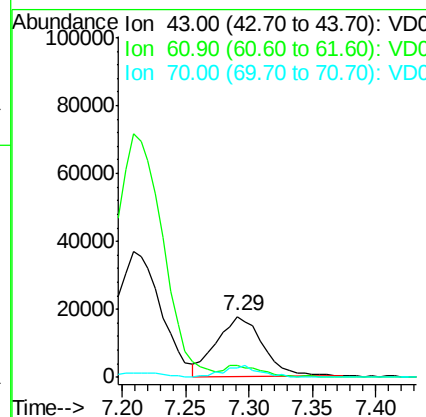
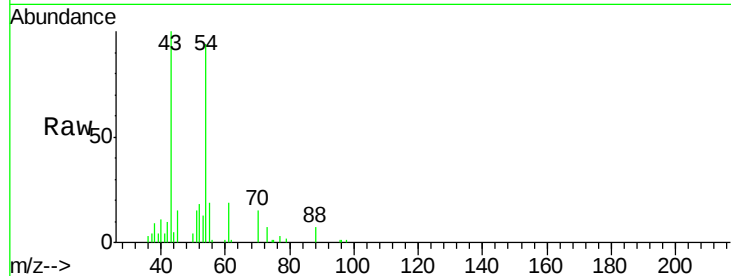
#37
Ethyl Acetate
Concen: 49.958 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD067630.D
Acq: 16 Nov 2020 10:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	12.8	19.2
70	15.6	11.7	17.5

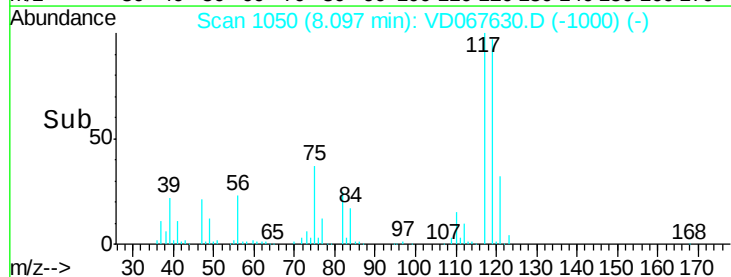
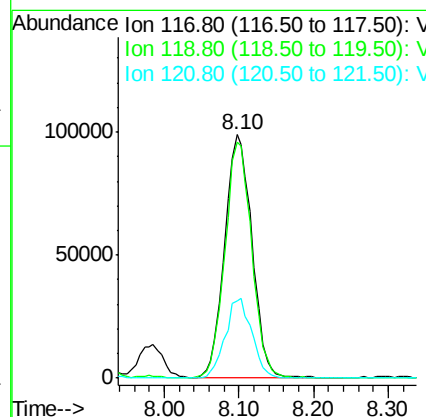
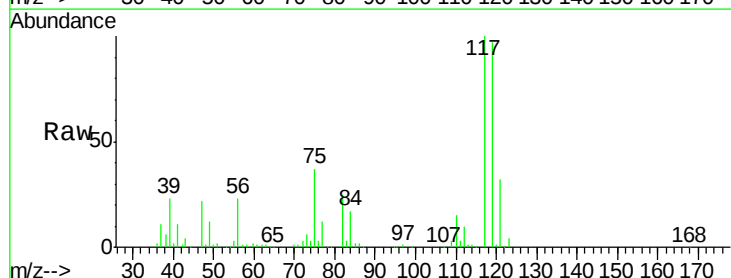
Manual Integrations
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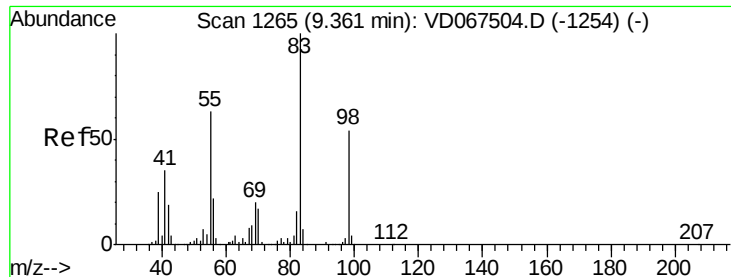
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#38
Carbon Tetrachloride
Concen: 56.143 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD067630.D
Acq: 16 Nov 2020 10:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.6	76.9	115.3
121	31.7	24.5	36.7





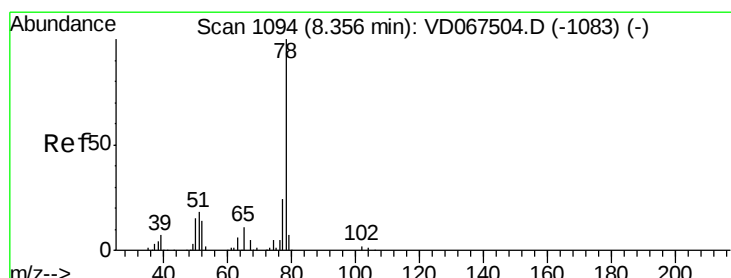
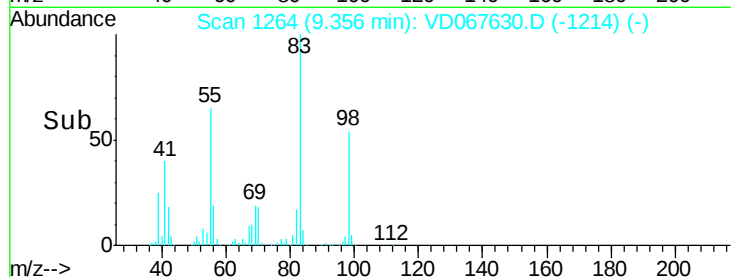
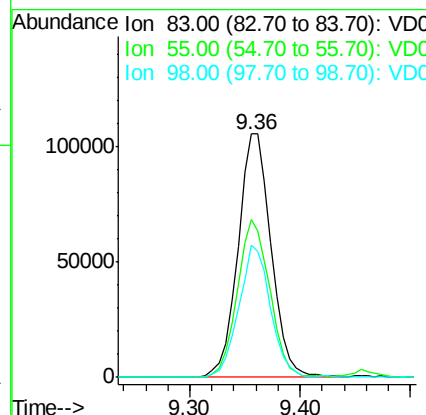
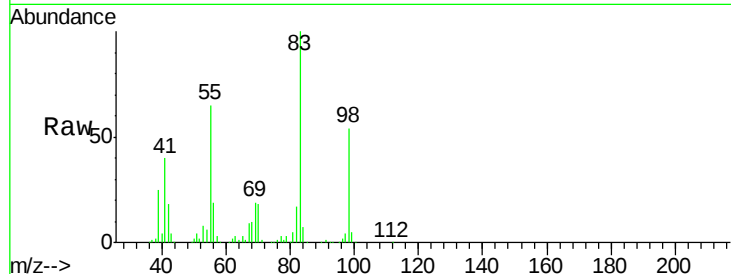
#39
Methvlcvclohexane
Concen: 54.433 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD067630.D
Acq: 16 Nov 2020 10:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	65.0	50.5	75.7
98	54.1	43.4	65.0

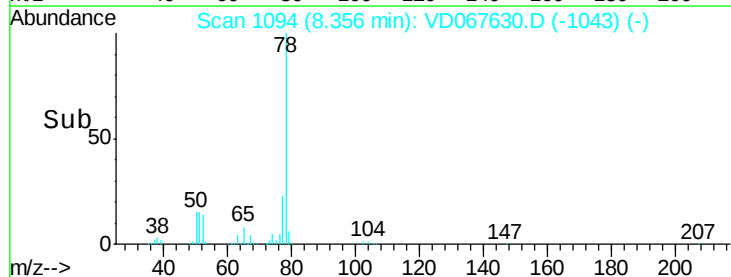
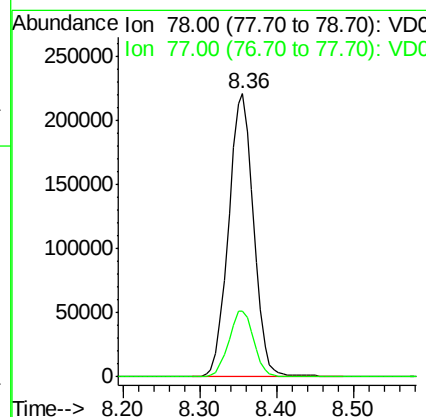
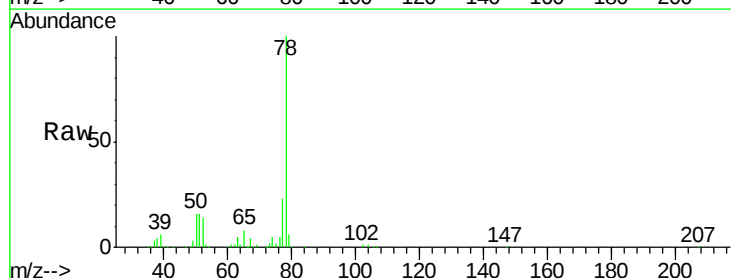
Manual Integrations
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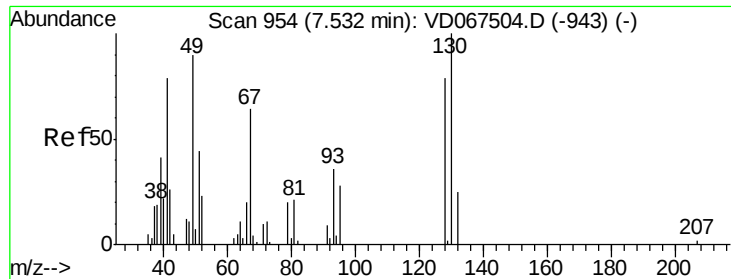
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#40
Benzene
Concen: 53.320 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD067630.D
Acq: 16 Nov 2020 10:11

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.1	28.7





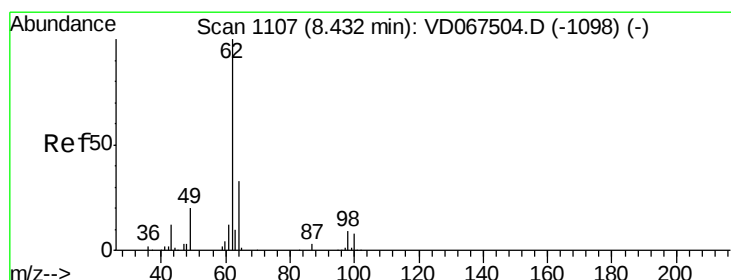
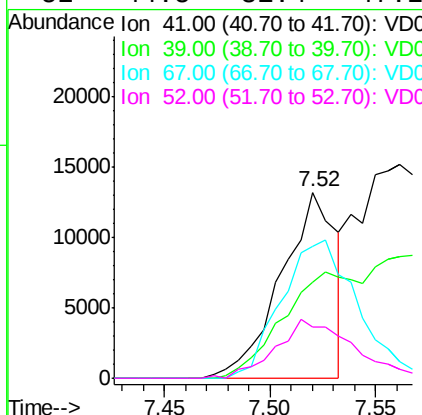
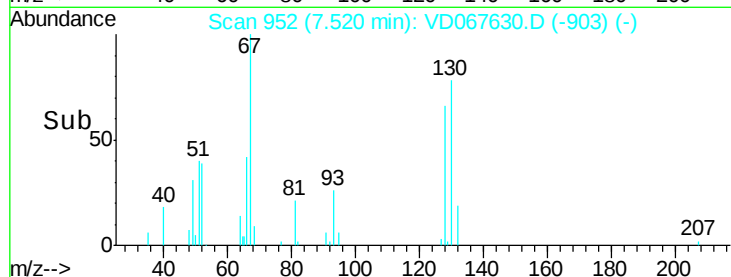
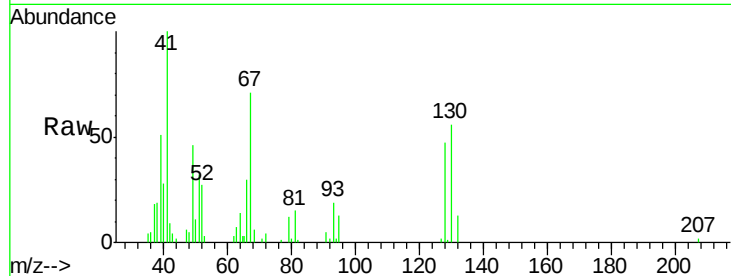
#41
Methacrylonitrile
Concen: 44.414 ug/l
RT: 7.52 min Scan# 952
Delta R.T. -0.01 min
Lab File: VD067630.D
Acq: 16 Nov 2020 10:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	80.5	51.3	76.9#
67	103.1	78.9	118.3
52	44.5	31.4	47.2

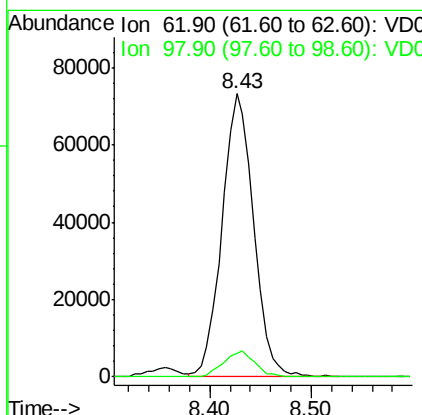
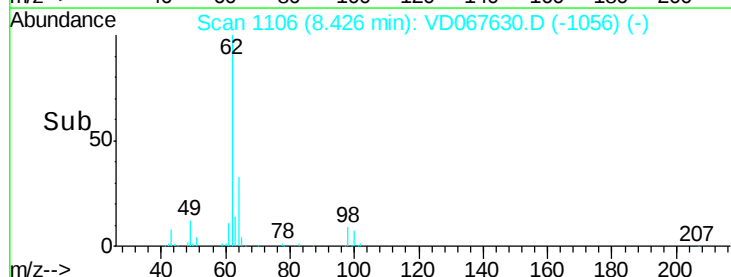
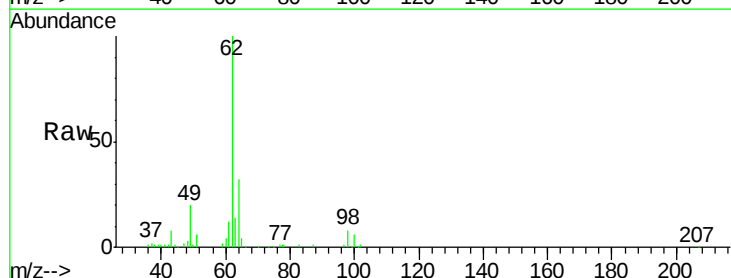
Manual Integrations
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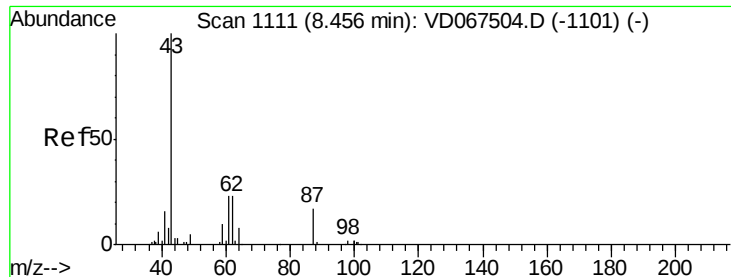
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#42
1,2-Dichloroethane
Concen: 54.438 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD067630.D
Acq: 16 Nov 2020 10:11

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	19.8





#43

Isopropyl Acetate

Concen: 51.291 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD067630.D

Acq: 16 Nov 2020 10:11

Instrument :

MSVOA_D

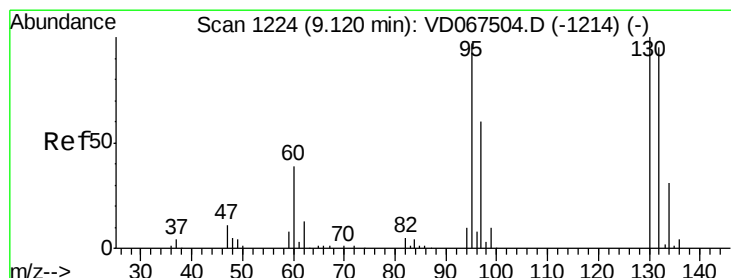
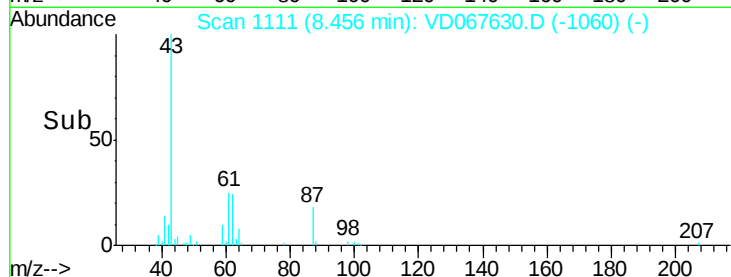
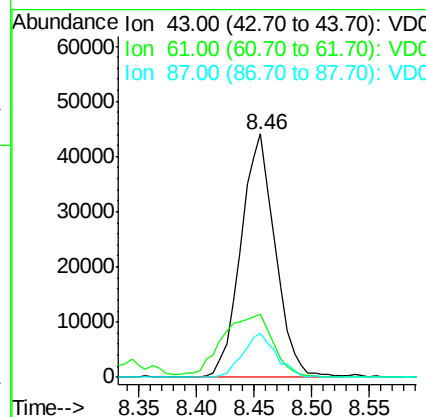
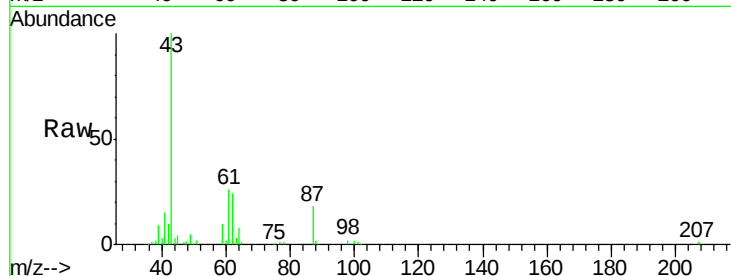
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	91223
Ion	Ratio	Lower	Upper
43	100		
61	38.6	30.5	45.7
87	17.7	14.7	22.1

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#44

Trichloroethene

Concen: 52.648 ug/l

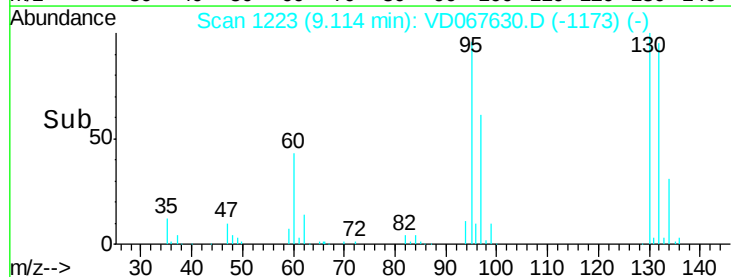
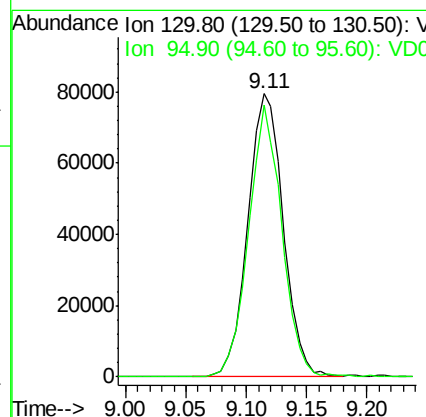
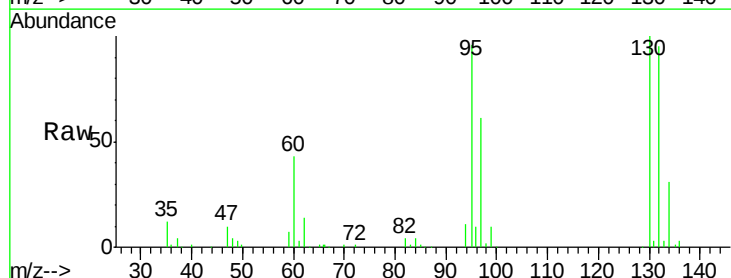
RT: 9.11 min Scan# 1223

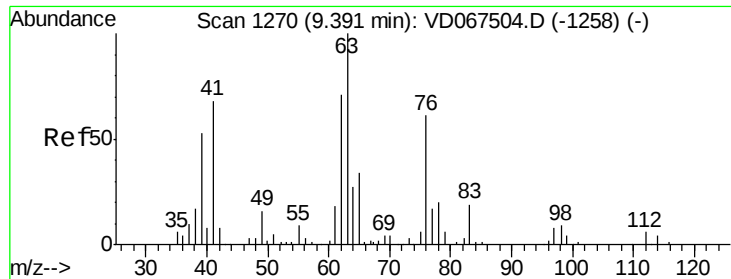
Delta R.T. -0.01 min

Lab File: VD067630.D

Acq: 16 Nov 2020 10:11

Tgt Ion:	130	Resp:	162429
Ion	Ratio	Lower	Upper
130	100		
95	96.0	0.0	194.4





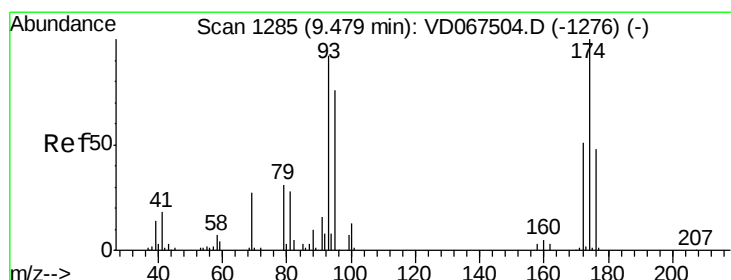
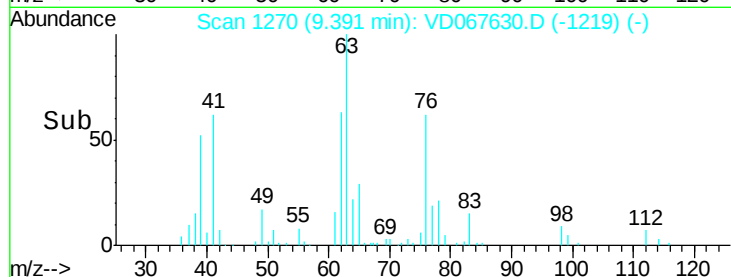
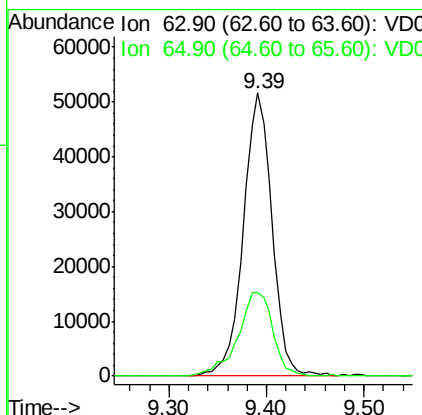
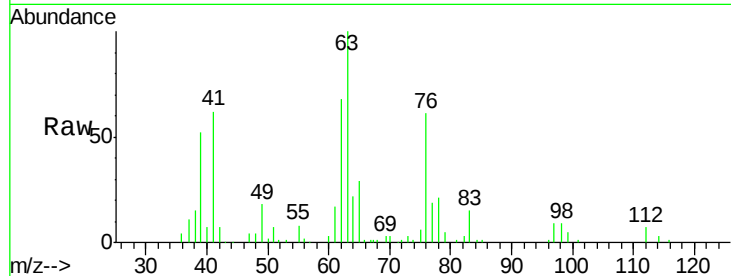
#45
 1,2-Dichloropropane
 Concen: 52.517 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD067630.D
 Acq: 16 Nov 2020 10:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 106539
 Ion Ratio Lower Upper
 63 100
 65 29.5 26.9 40.3

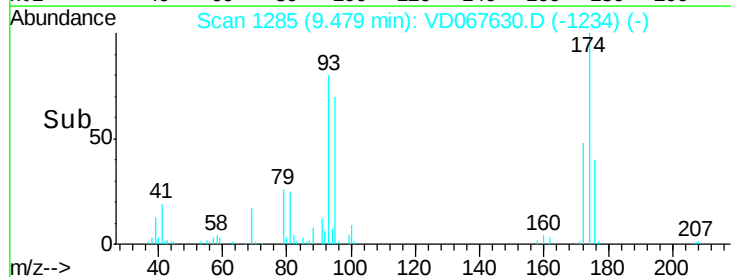
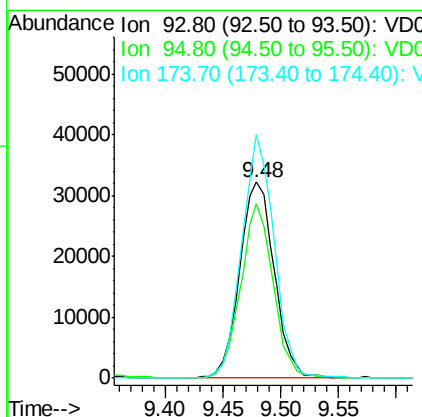
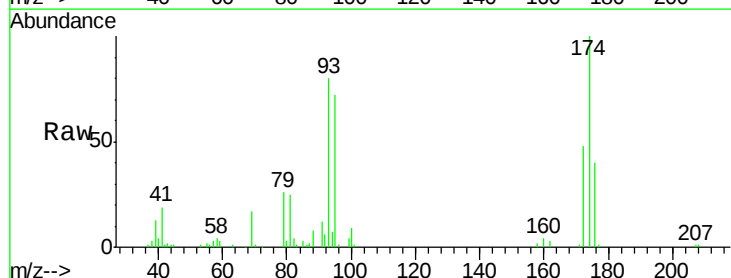
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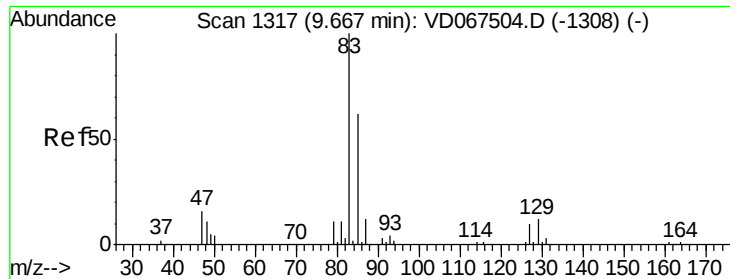
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#46
 Dibromomethane
 Concen: 52.184 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD067630.D
 Acq: 16 Nov 2020 10:11

Tgt Ion: 93 Resp: 67311
 Ion Ratio Lower Upper
 93 100
 95 82.9 66.4 99.6
 174 116.1 88.2 132.4





#47

Bromodichloromethane

Concen: 54.688 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD067630.D

Acq: 16 Nov 2020 10:11

Instrument :

MSVOA_D

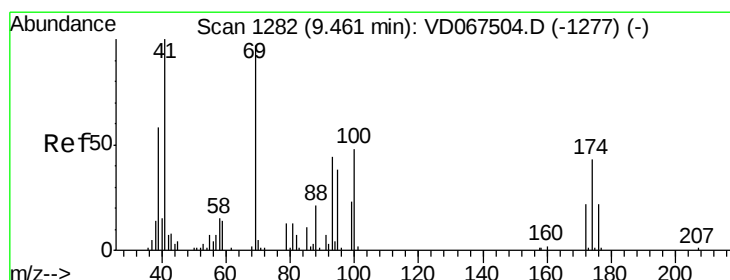
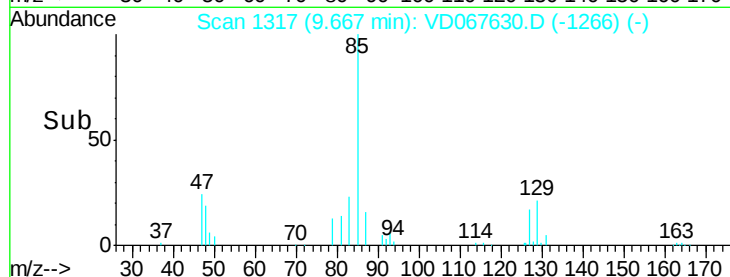
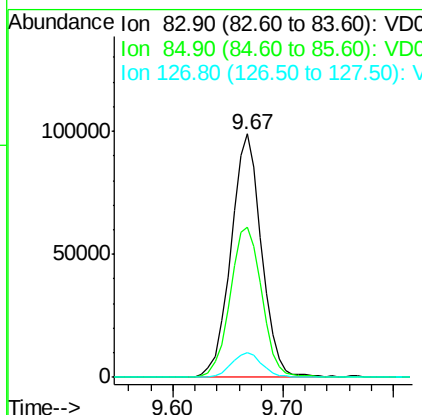
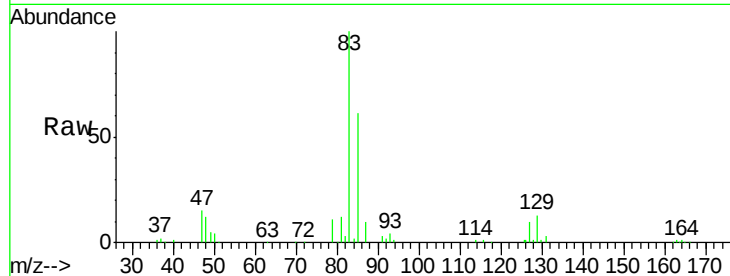
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	191733
Ion	Ratio	Lower	Upper
83	100		
85	61.4	49.4	74.2
127	10.3	7.7	11.5

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#48

Methyl methacrylate

Concen: 47.997 ug/l

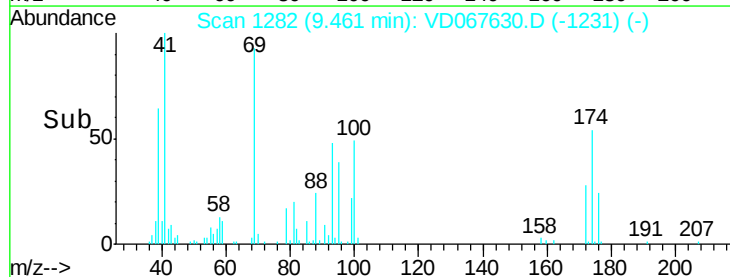
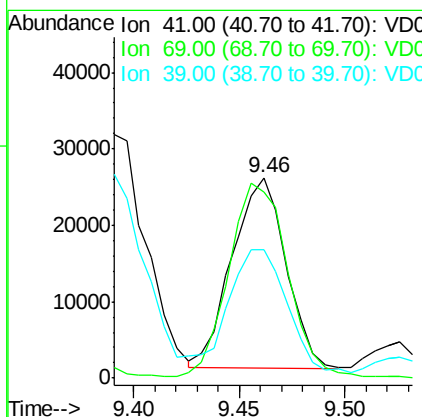
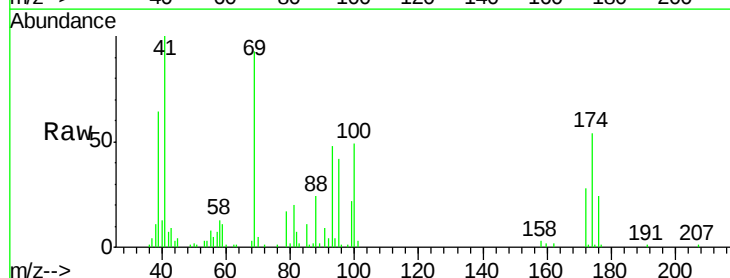
RT: 9.46 min Scan# 1282

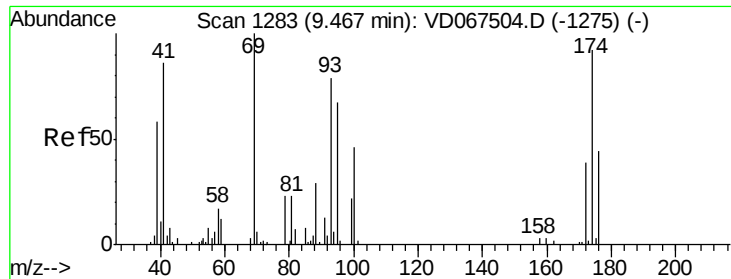
Delta R.T. 0.00 min

Lab File: VD067630.D

Acq: 16 Nov 2020 10:11

Tgt Ion:	41	Resp:	44076
Ion	Ratio	Lower	Upper
41	100		
69	113.6	80.6	121.0
39	69.4	50.2	75.4





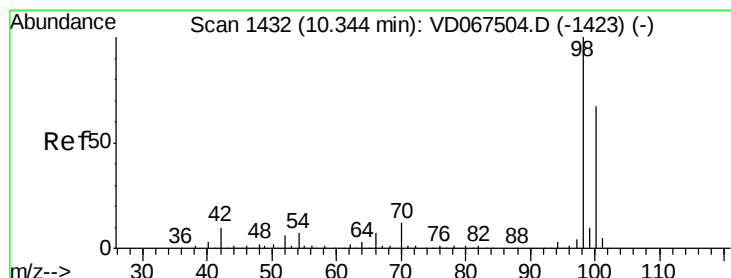
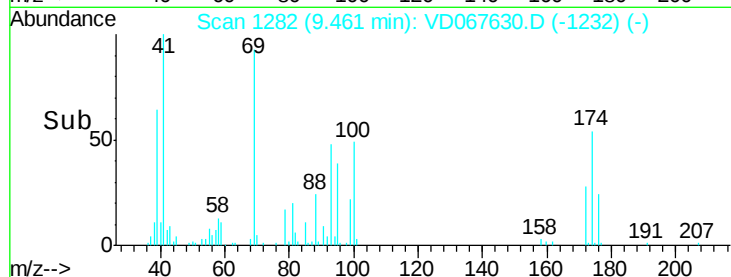
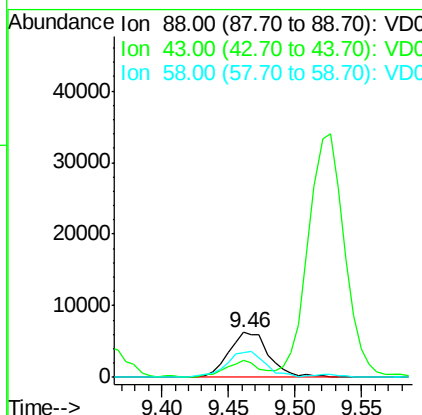
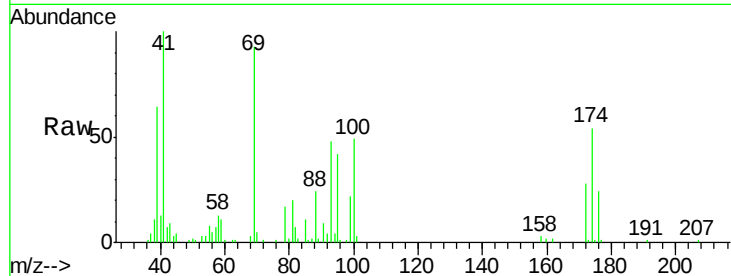
#49
1,4-Dioxane
Concen: 1008.205 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VD067630.D
Acq: 16 Nov 2020 10:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.9	23.6	35.4
58	54.8	44.7	67.1

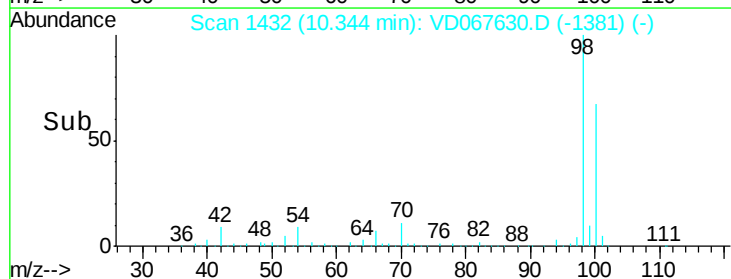
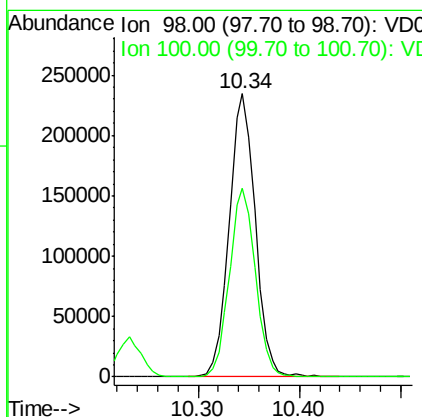
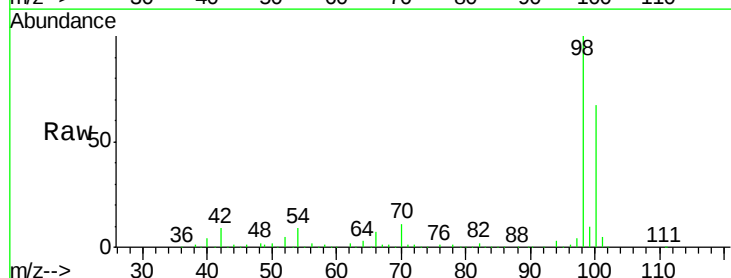
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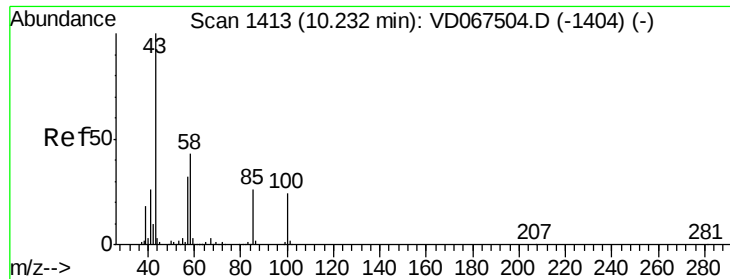
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#50
Toluene-d8
Concen: 49.010 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067630.D
Acq: 16 Nov 2020 10:11

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.4	53.0	79.6





#51

4-Methyl-2-Pentanone

Concen: 268.293 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD067630.D

Acq: 16 Nov 2020 10:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 228209

Ion Ratio Lower Upper

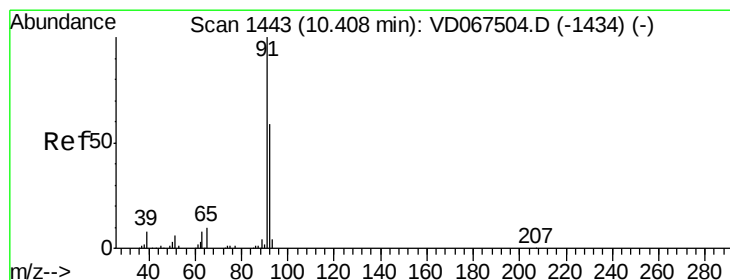
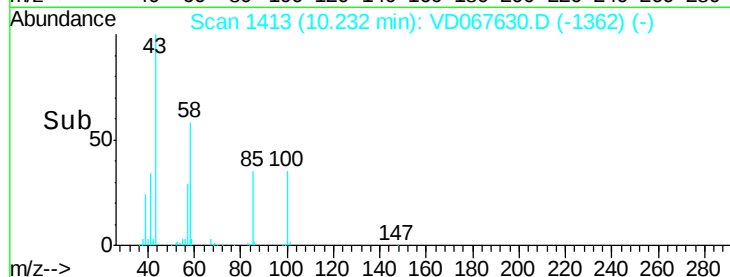
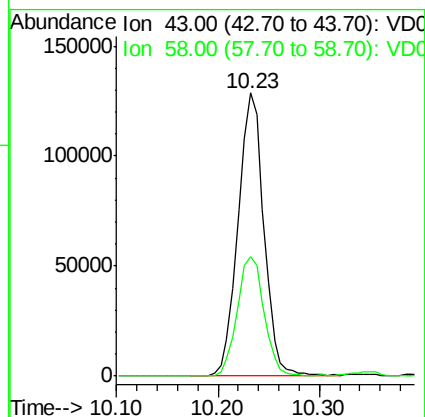
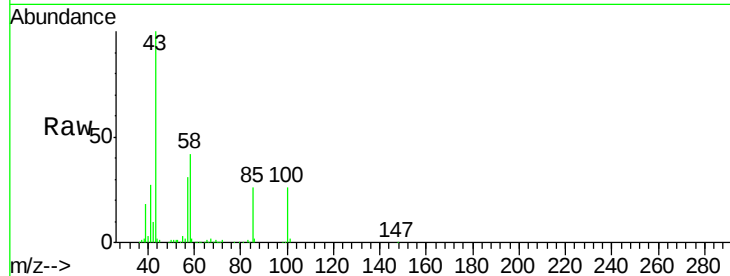
43 100

58 43.9 35.6 53.4

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#52

Toluene

Concen: 55.476 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD067630.D

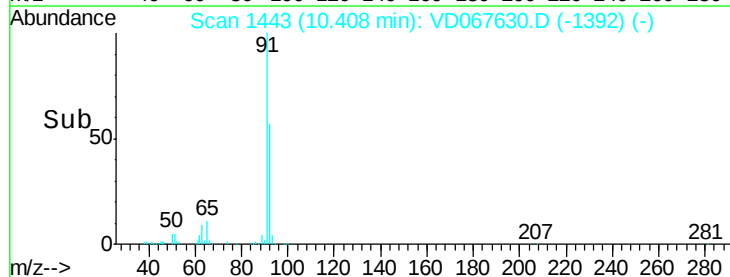
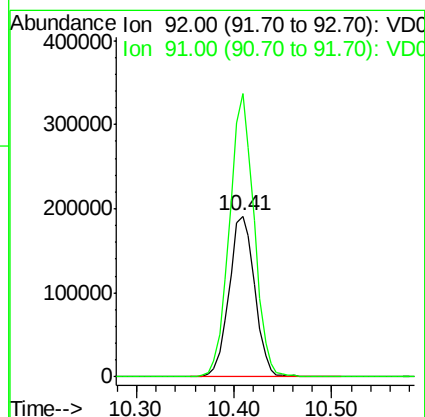
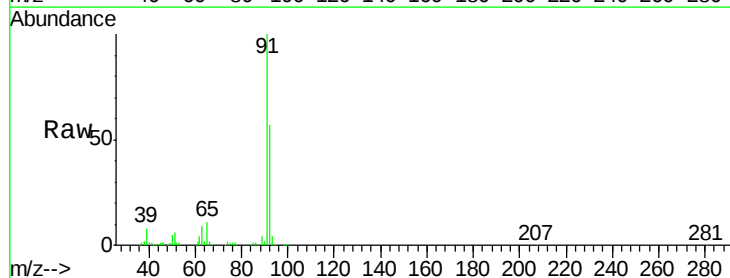
Acq: 16 Nov 2020 10:11

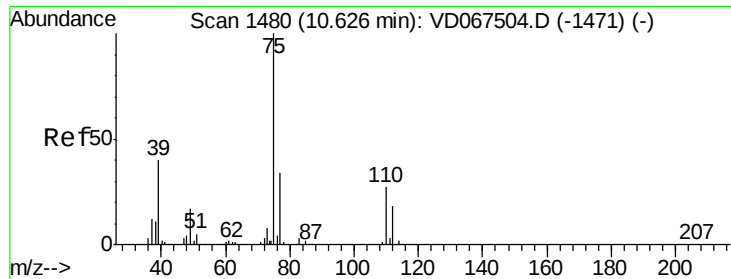
Tgt Ion: 92 Resp: 348653

Ion Ratio Lower Upper

92 100

91 168.6 137.0 205.6





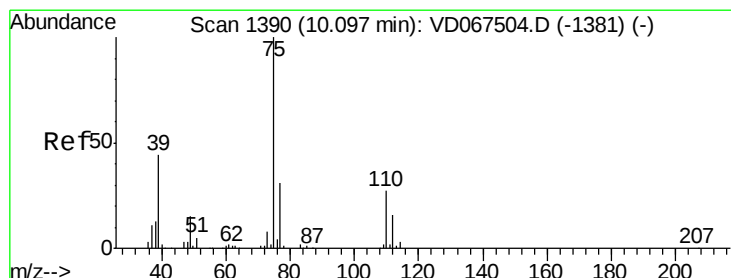
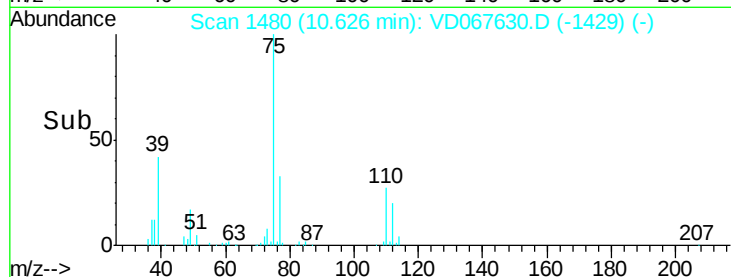
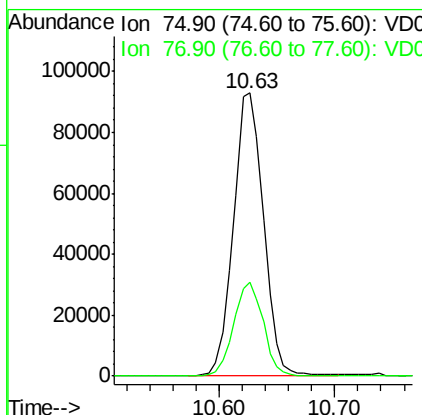
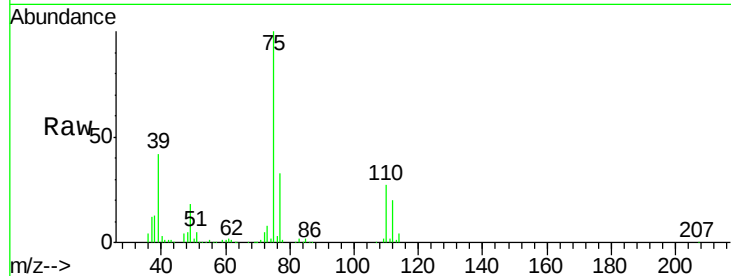
#53
t-1,3-Dichloropropene
Concen: 56.019 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD067630.D
Acq: 16 Nov 2020 10:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	33.0	27.0	40.6

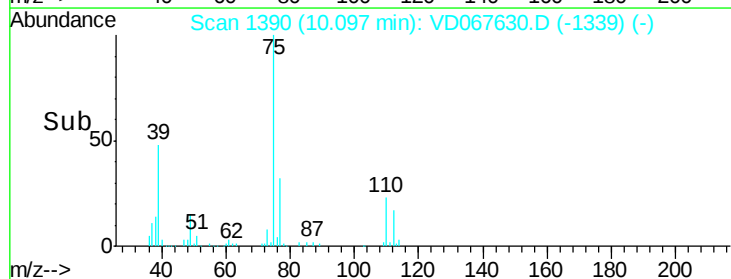
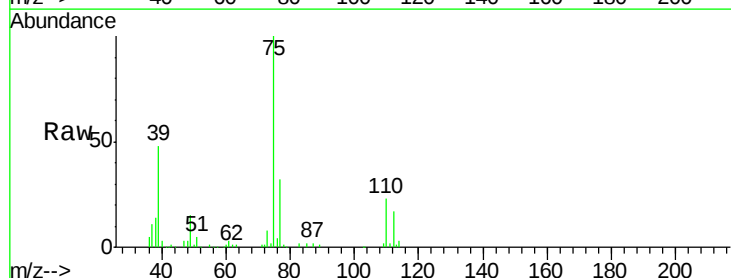
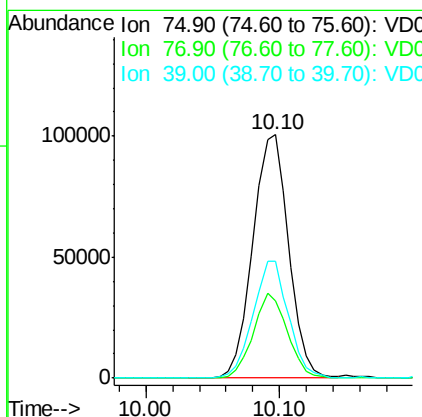
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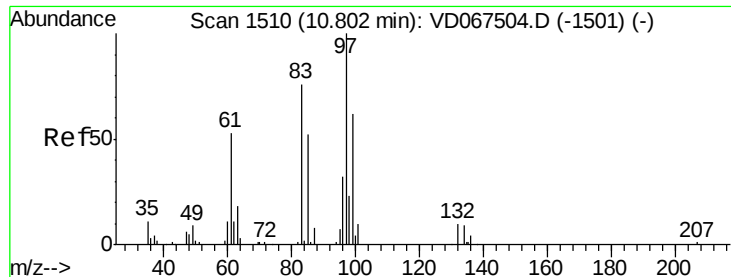
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#54
cis-1,3-Dichloropropene
Concen: 52.203 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VD067630.D
Acq: 16 Nov 2020 10:11

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.6	24.4	36.6
39	47.6	35.6	53.4





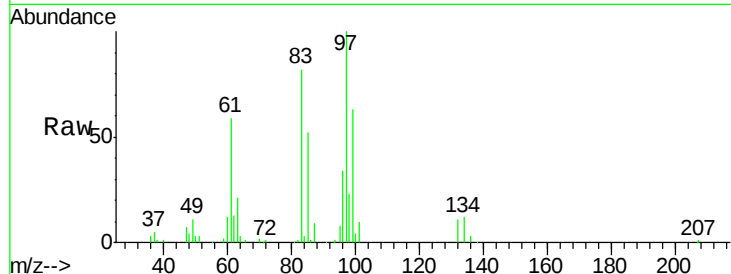
#55
 1,1,2-Trichloroethane
 Concen: 53.123 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD067630.D
 Acq: 16 Nov 2020 10:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

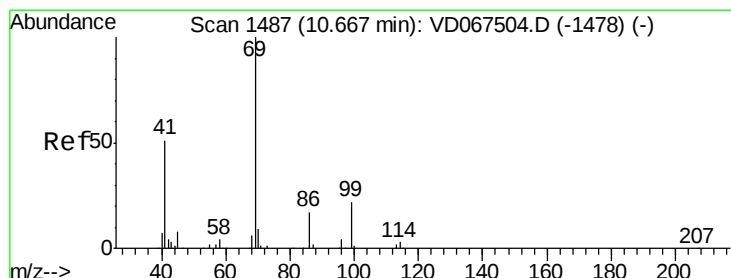
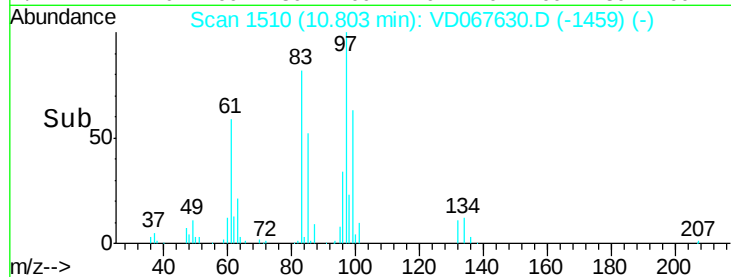
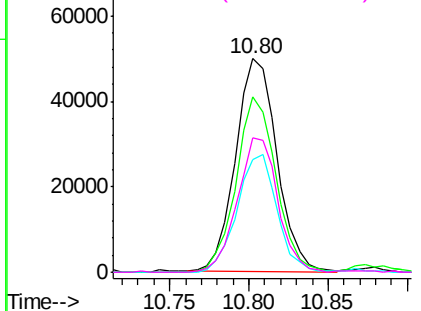
Tot Ion:	97	Resp:	90664
Ion	Ratio	Lower	Upper
97	100		
83	82.2	61.0	91.6
85	52.7	41.5	62.3
99	63.3	49.4	74.2

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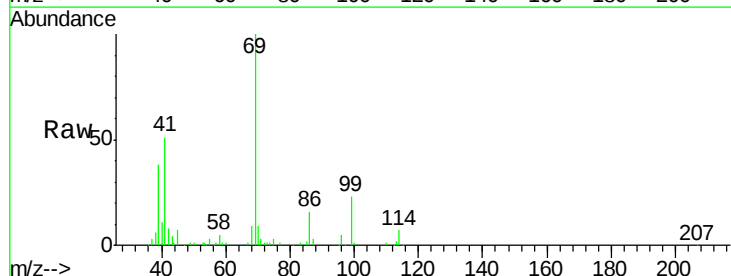


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

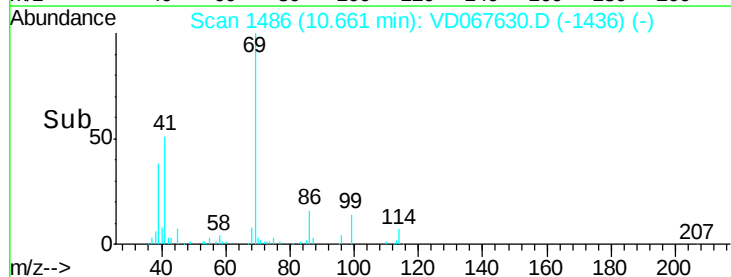
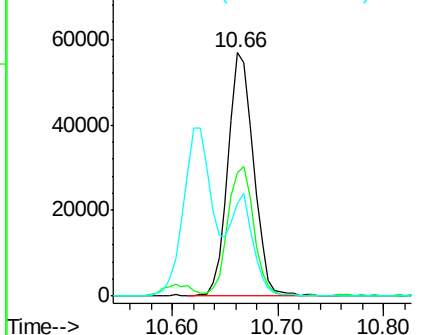


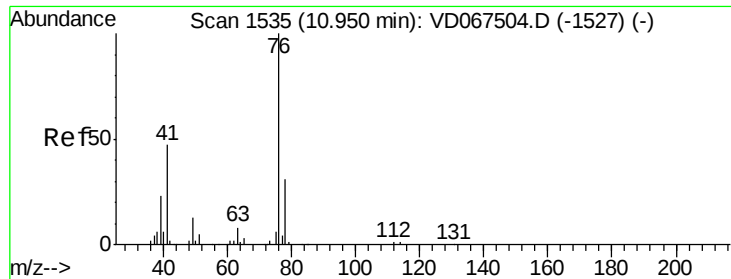
#56
 Ethyl methacrylate
 Concen: 54.101 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VD067630.D
 Acq: 16 Nov 2020 10:11

Tgt Ion:	69	Resp:	95349
Ion	Ratio	Lower	Upper
69	100		
41	53.3	45.4	68.0
39	35.1	27.4	41.0



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.00 (40.70 to 41.70): VDC
 Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 52.884 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD067630.D

Acq: 16 Nov 2020 10:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 145237

Ion Ratio Lower Upper

76 100

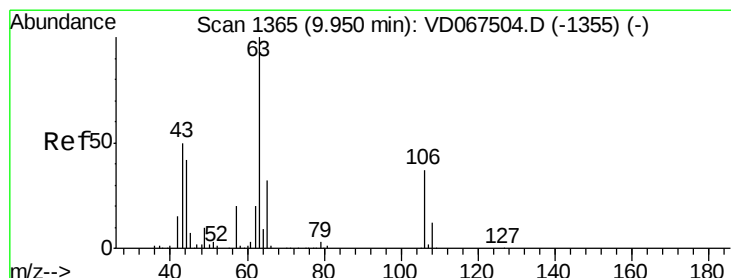
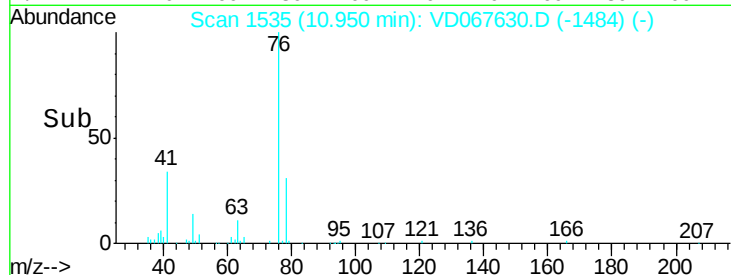
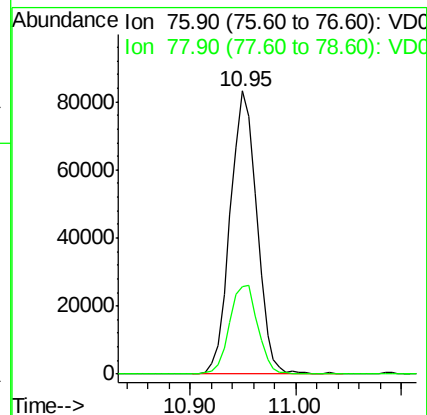
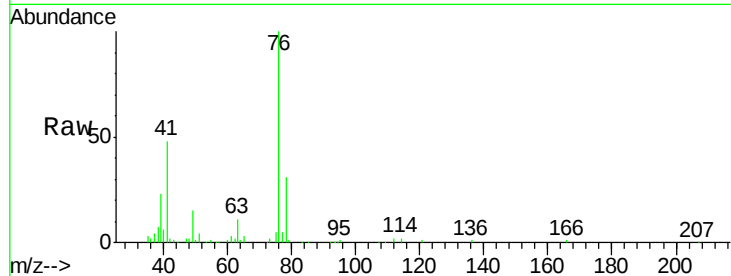
78 33.2 26.1 39.1

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#58

2-Chloroethyl Vinyl ether

Concen: 246.388 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.01 min

Lab File: VD067630.D

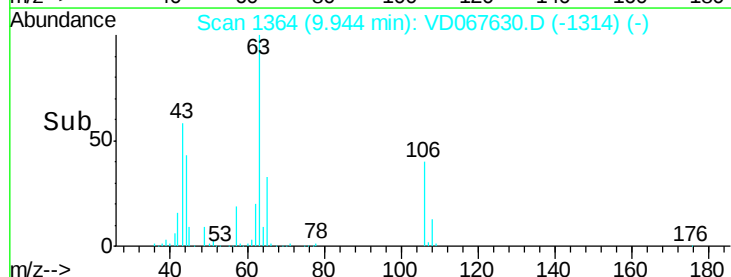
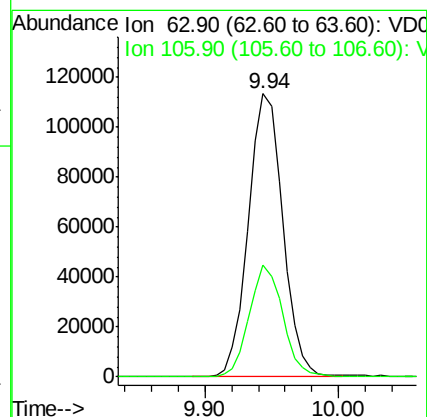
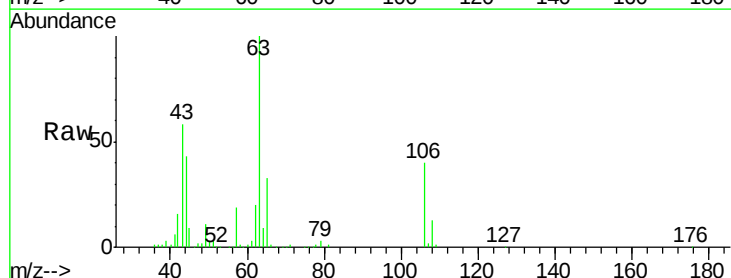
Acq: 16 Nov 2020 10:11

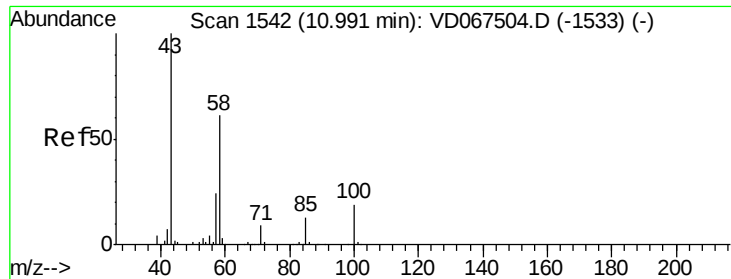
Tgt Ion: 63 Resp: 202500

Ion Ratio Lower Upper

63 100

106 38.4 29.2 43.8





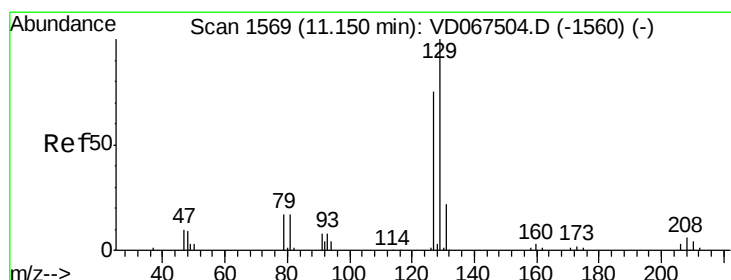
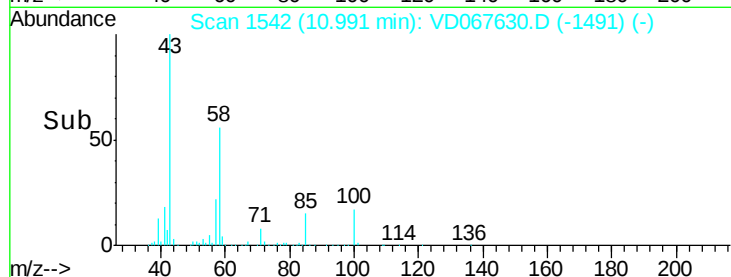
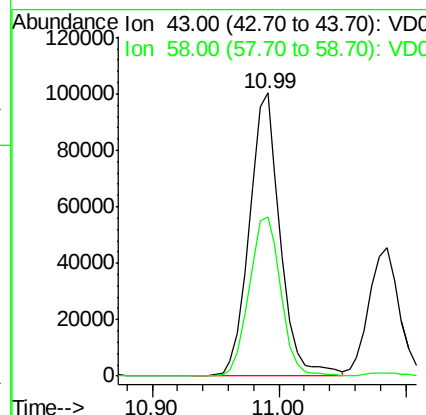
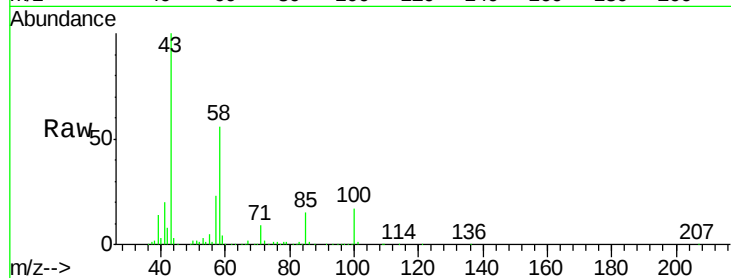
#59
2-Hexanone
Concen: 285.231 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD067630.D
Acq: 16 Nov 2020 10:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 169638
Ion Ratio Lower Upper
43 100
58 57.8 30.3 90.9

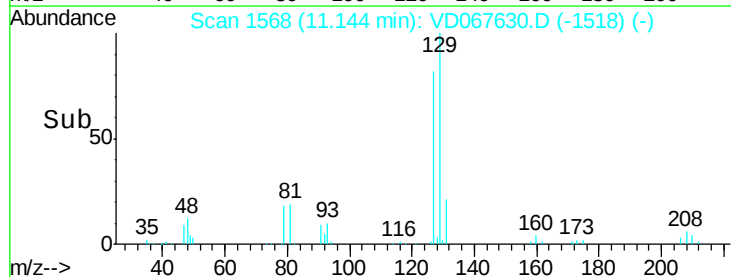
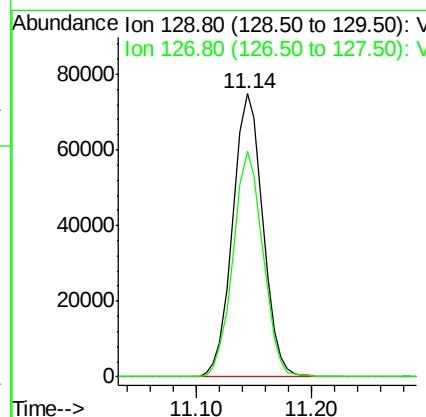
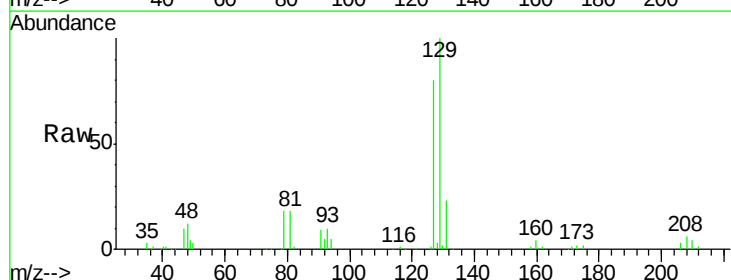
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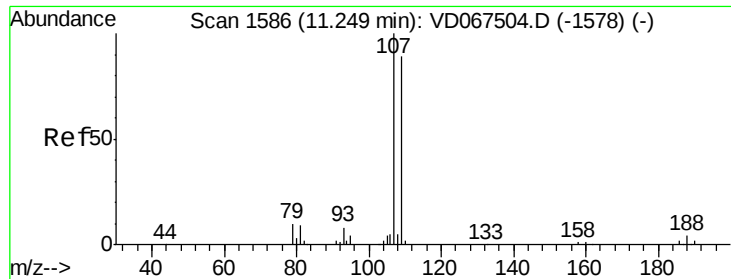
MMDadoda
11/17/2020 6:57:41 PM



#60
Dibromochloromethane
Concen: 53.904 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.01 min
Lab File: VD067630.D
Acq: 16 Nov 2020 10:11

Tgt Ion: 129 Resp: 136089
Ion Ratio Lower Upper
129 100
127 78.9 38.0 114.1





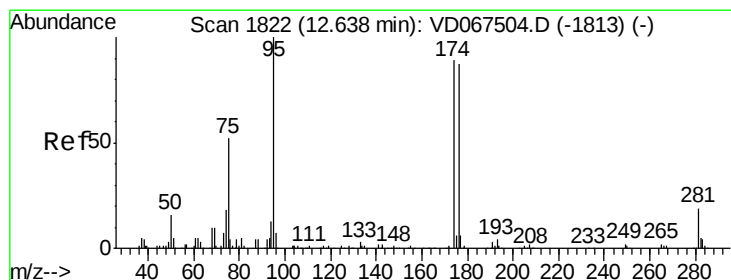
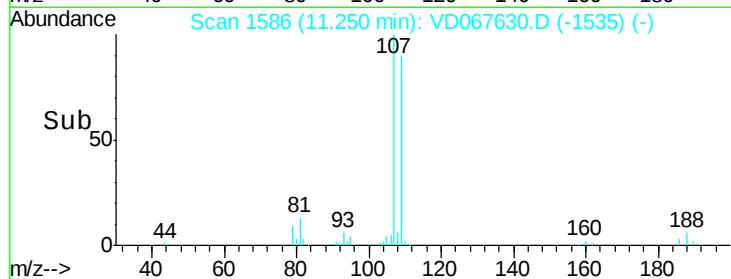
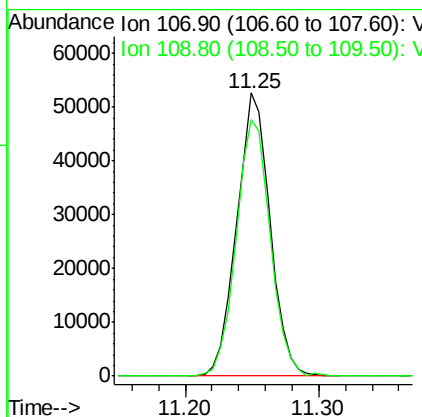
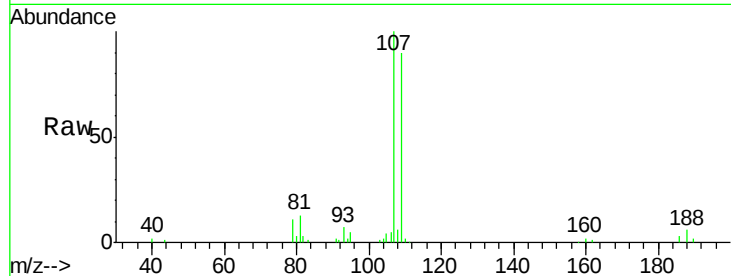
#61
 1,2-Dibromoethane
 Concen: 52.899 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD067630.D
 Acq: 16 Nov 2020 10:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 107 Resp: 90610
 Ion Ratio Lower Upper
 107 100
 109 92.6 74.6 111.8

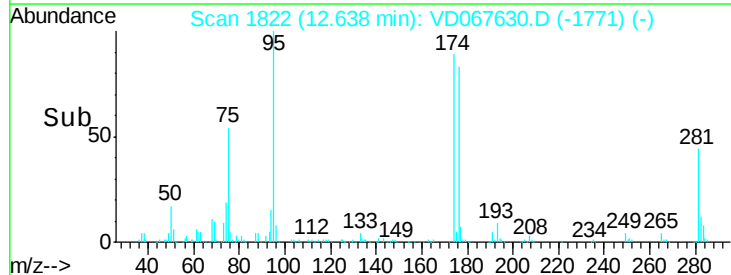
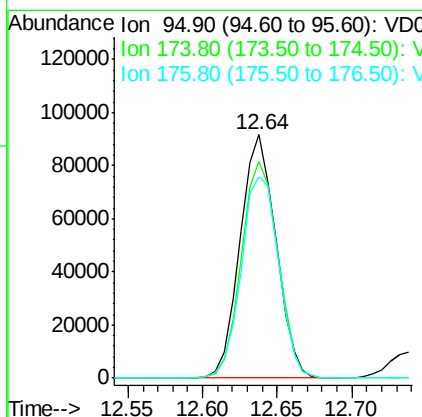
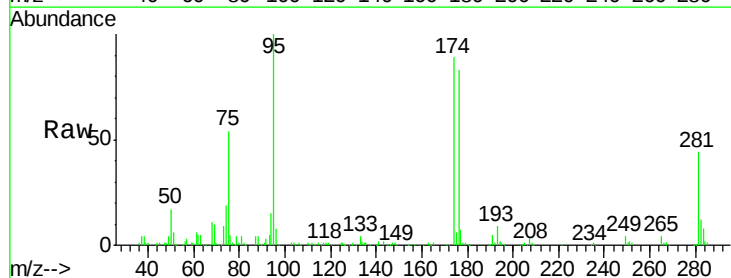
Manual Integrations
 APPROVED

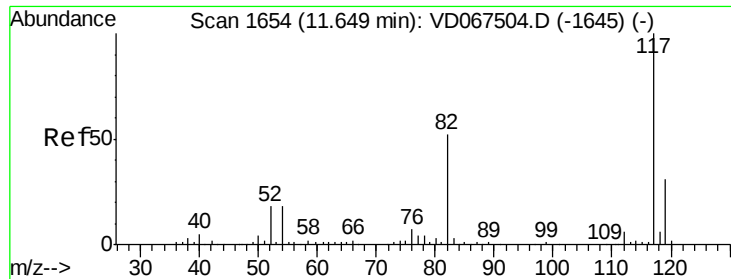
MMDadoda
 11/17/2020 6:57:41 PM



#62
 4-Bromofluorobenzene
 Concen: 51.578 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067630.D
 Acq: 16 Nov 2020 10:11

Tgt Ion: 95 Resp: 152575
 Ion Ratio Lower Upper
 95 100
 174 90.6 0.0 177.8
 176 86.4 0.0 172.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VD067630.D

Acq: 16 Nov 2020 10:11

Instrument :

MSVOA_D

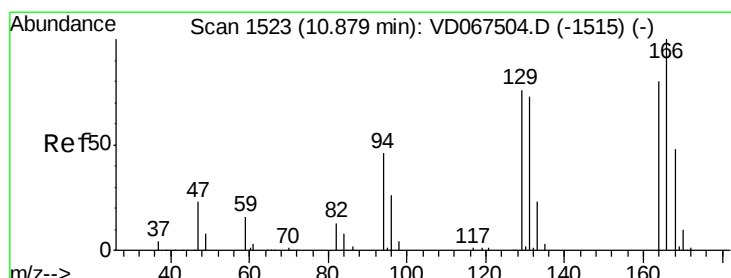
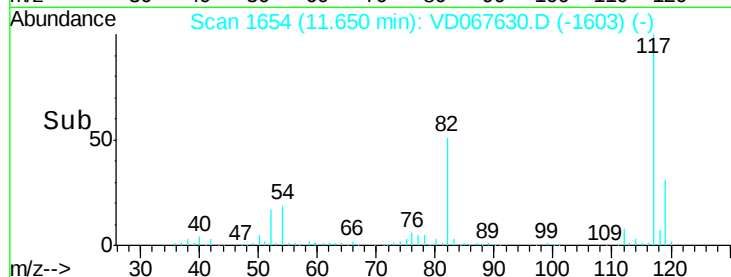
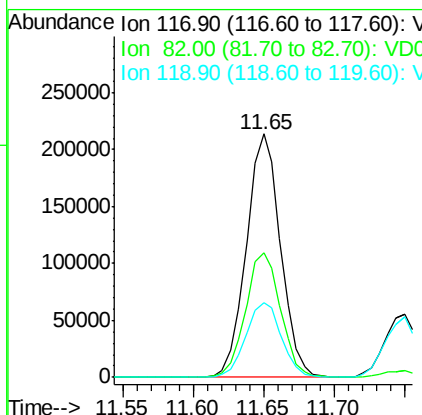
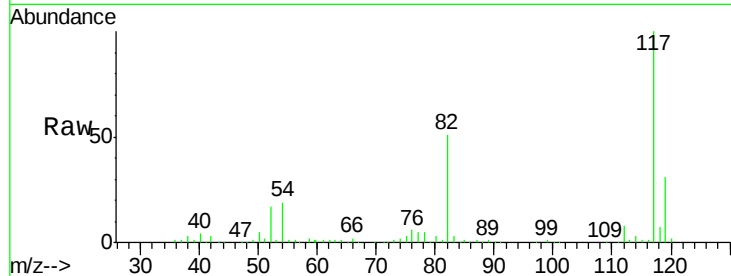
ClientSampleId :

VSTDCCC050

Tot Ion:	117	Resp:	363069
Ion Ratio	Lower	Upper	
117	100		
82	51.3	41.6	62.4
119	30.7	25.1	37.7

Manual Integrations
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11/17/2020 6:57:41 PM



#64

Tetrachloroethene

Concen: 52.854 ug/l

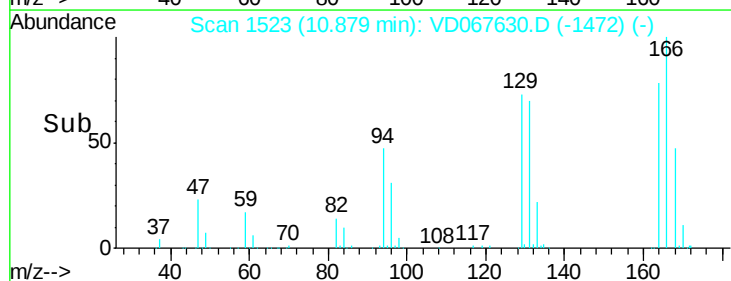
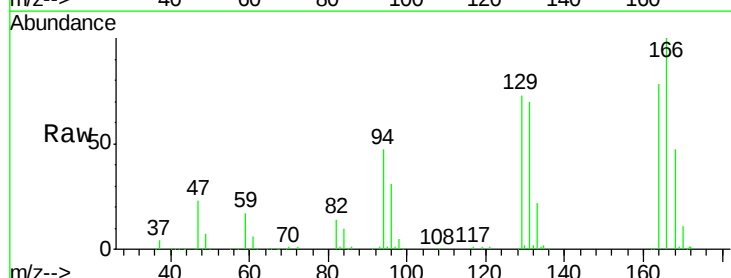
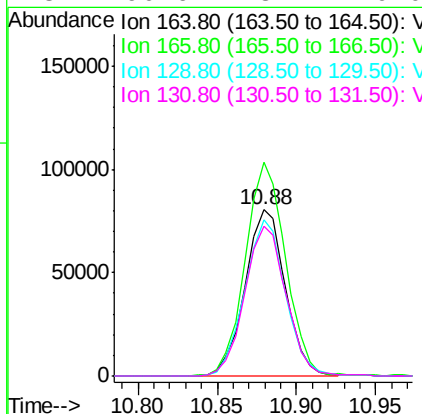
RT: 10.88 min Scan# 1523

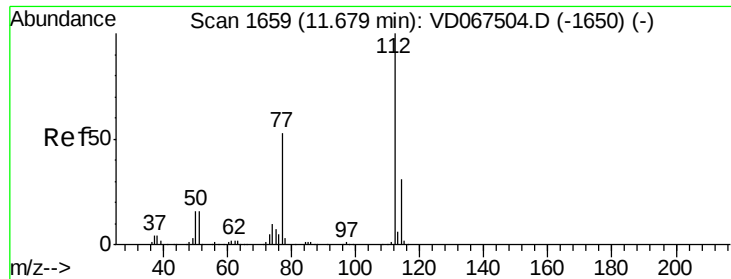
Delta R.T. 0.00 min

Lab File: VD067630.D

Acq: 16 Nov 2020 10:11

Tgt Ion:	164	Resp:	142117
Ion Ratio	Lower	Upper	
164	100		
166	128.7	99.9	149.9
129	94.3	75.5	113.3
131	90.6	73.4	110.0





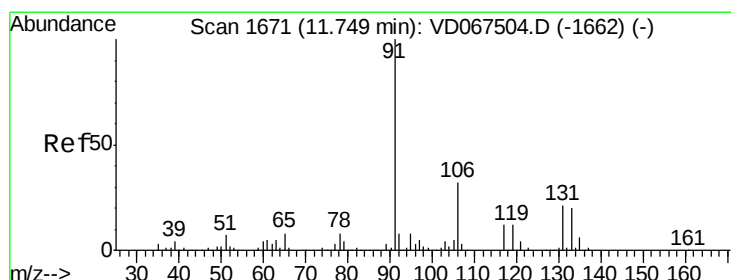
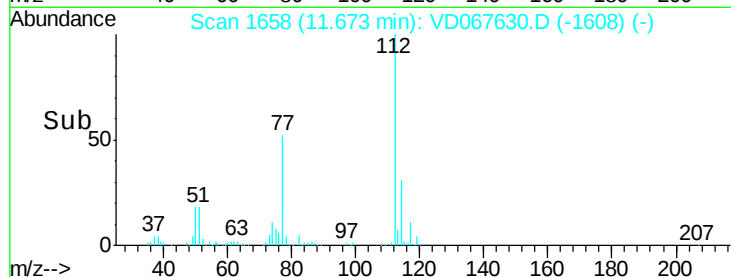
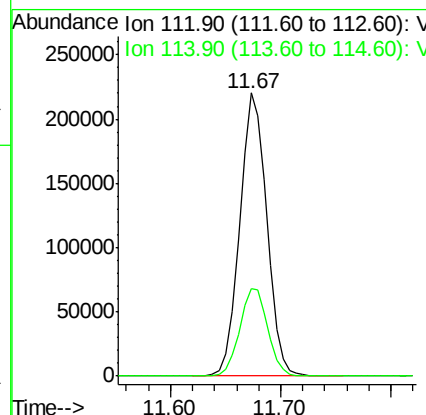
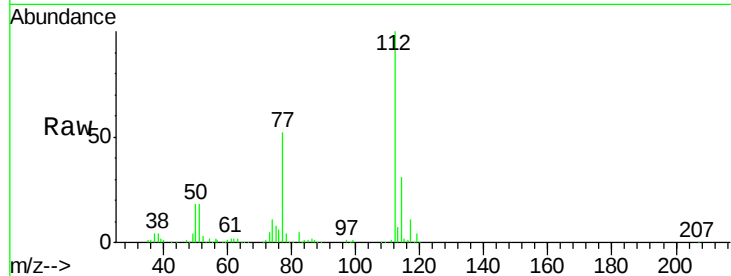
#65
Chlorobenzene
Concen: 54.129 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VD067630.D
Acq: 16 Nov 2020 10:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	30.9	24.9	37.3

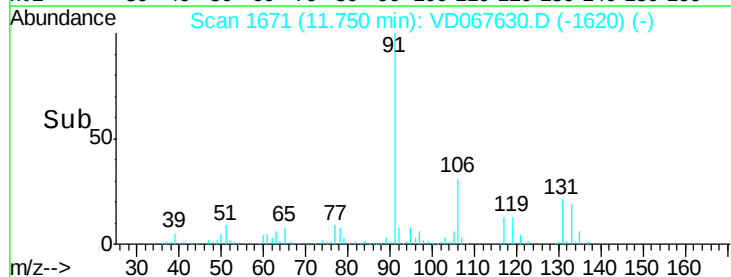
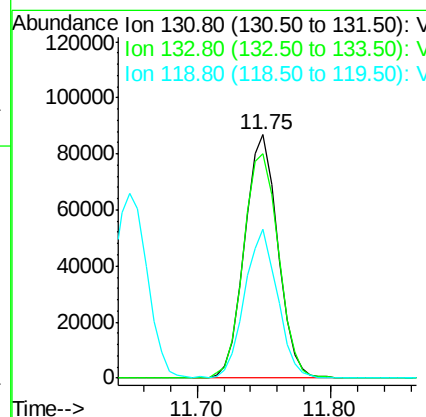
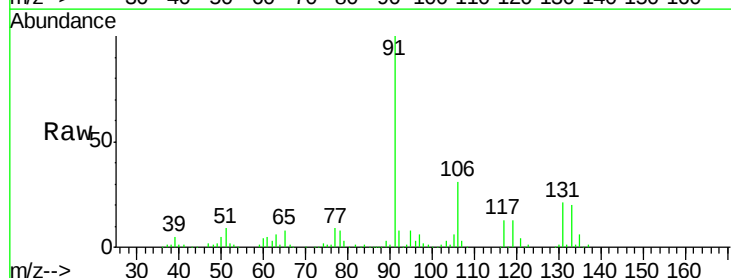
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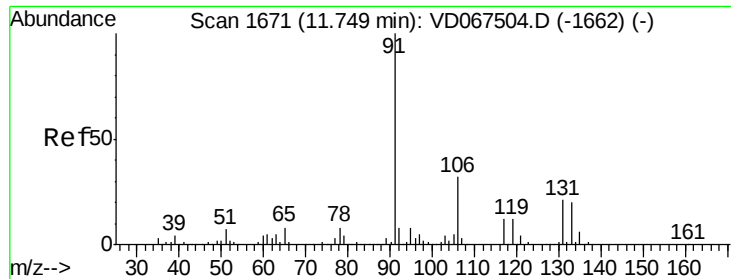
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 54.056 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067630.D
Acq: 16 Nov 2020 10:11

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.6	48.0	144.0
119	60.6	30.1	90.5





#67

Ethyl Benzene

Concen: 56.180 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD067630.D

Acq: 16 Nov 2020 10:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 672337

Ion Ratio Lower Upper

91 100

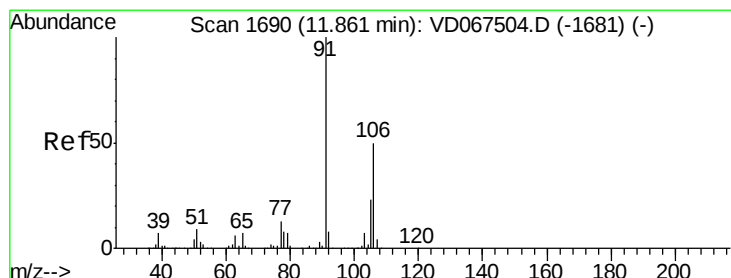
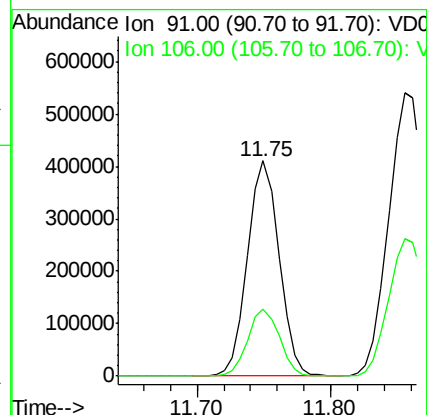
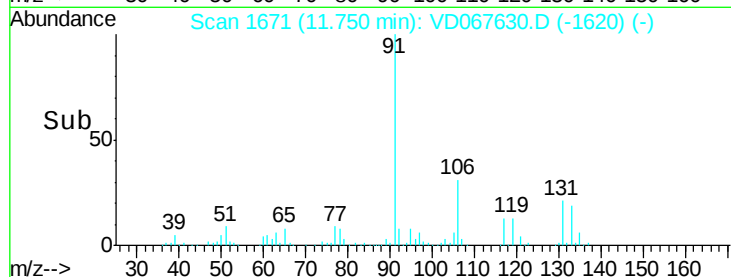
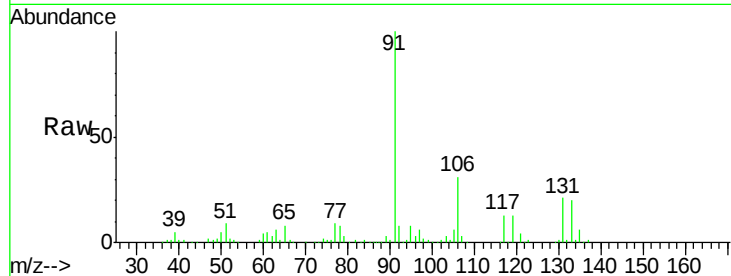
106 31.3 25.7 38.5

Manual Integrations

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#68

m/p-Xylenes

Concen: 111.133 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.01 min

Lab File: VD067630.D

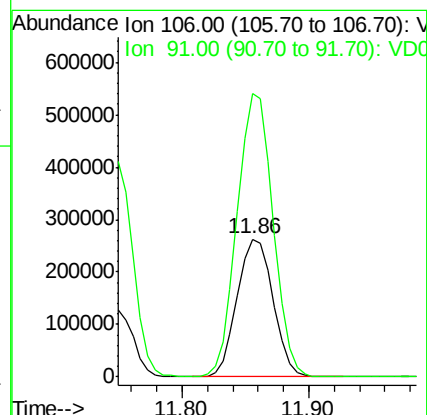
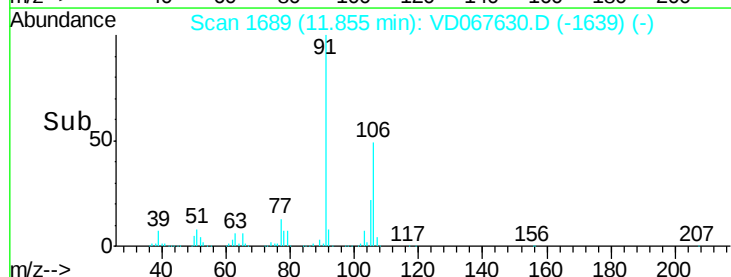
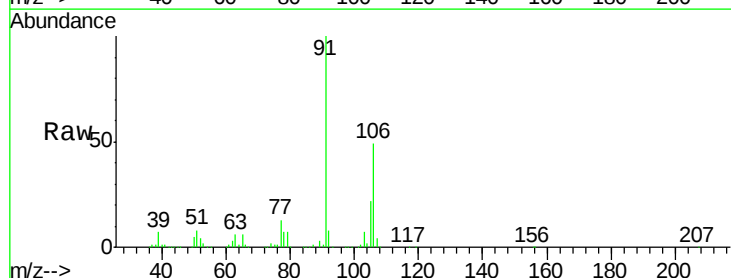
Acq: 16 Nov 2020 10:11

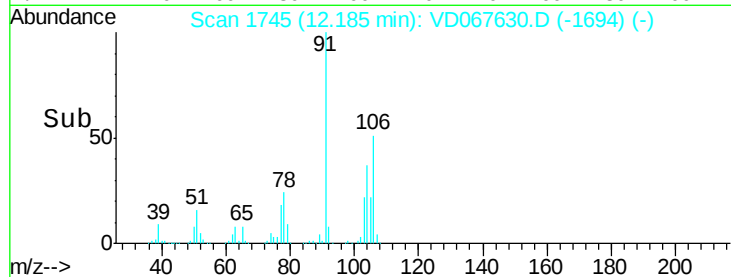
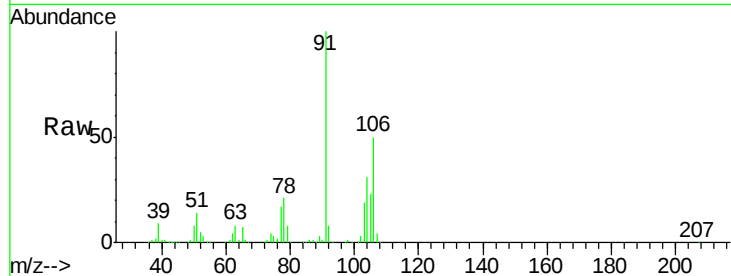
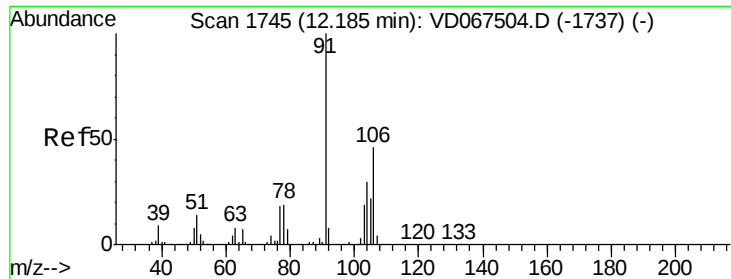
Tgt Ion: 106 Resp: 517429

Ion Ratio Lower Upper

106 100

91 205.1 162.6 244.0





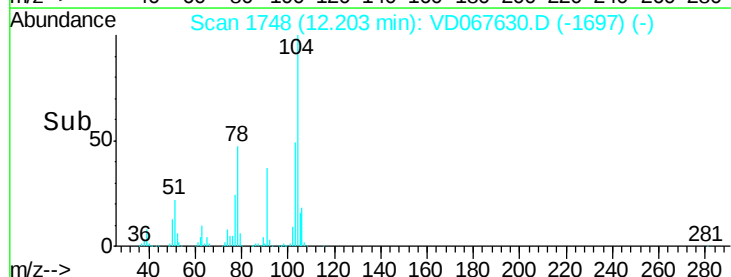
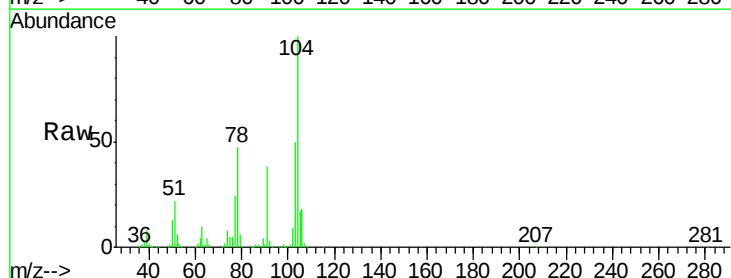
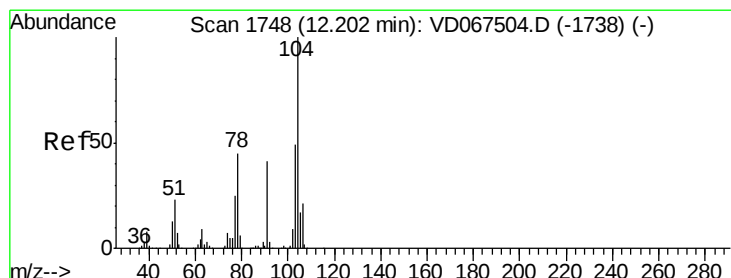
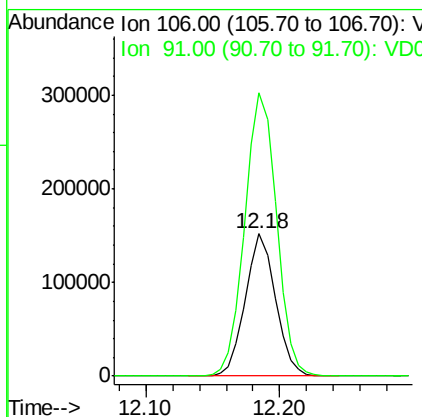
#69
o-Xylene
Concen: 56.911 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067630.D
Acq: 16 Nov 2020 10:11

Tot Ion:106 Resp: 236574
Ion Ratio Lower Upper
106 100
91 209.8 107.1 321.1

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

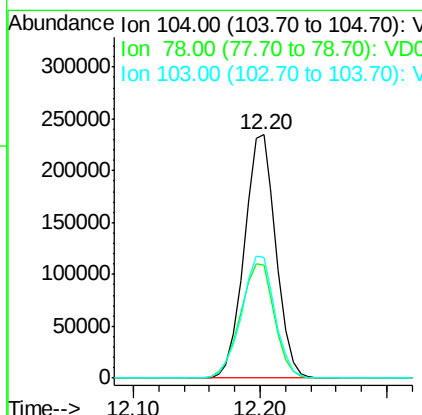
Manual Integrations
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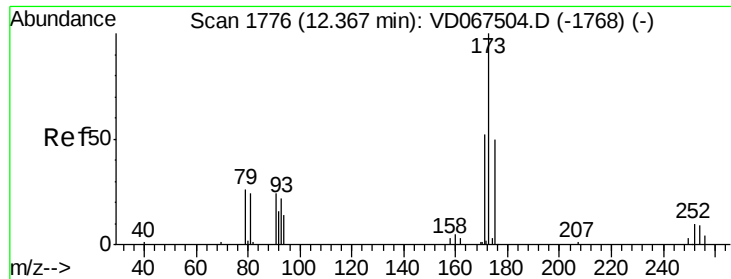
MMDadoda
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#70
Styrene
Concen: 55.951 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD067630.D
Acq: 16 Nov 2020 10:11

Tgt Ion:104 Resp: 405281
Ion Ratio Lower Upper
104 100
78 50.9 39.8 59.8
103 53.1 43.9 65.9





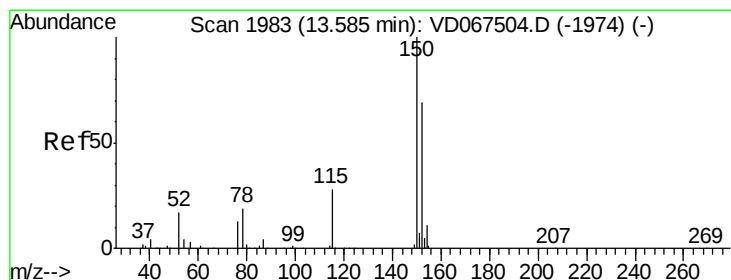
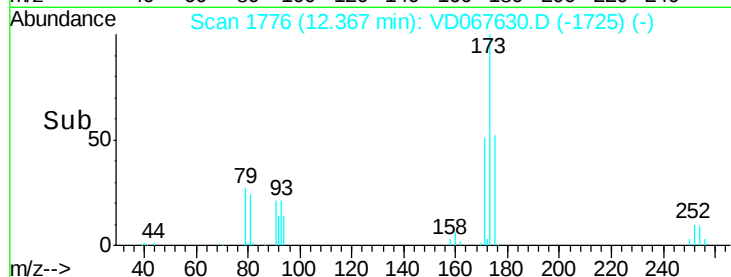
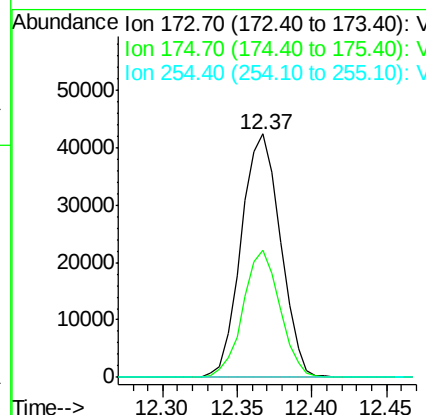
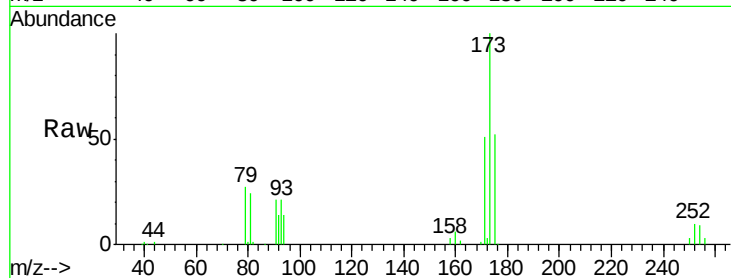
#71
Bromoform
Concen: 54.990 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD067630.D
Acq: 16 Nov 2020 10:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.1	72.2
254	0.0	0.0	0.0

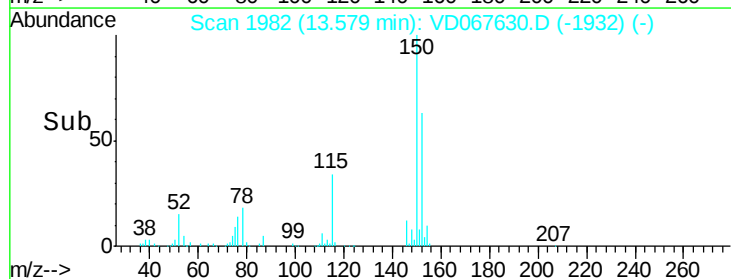
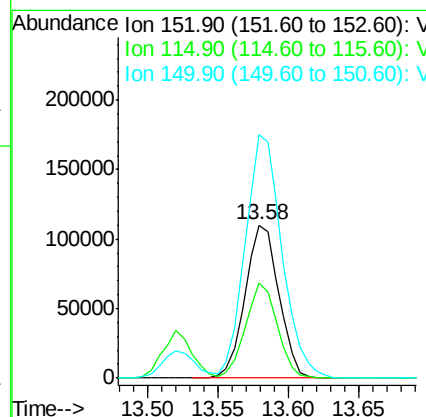
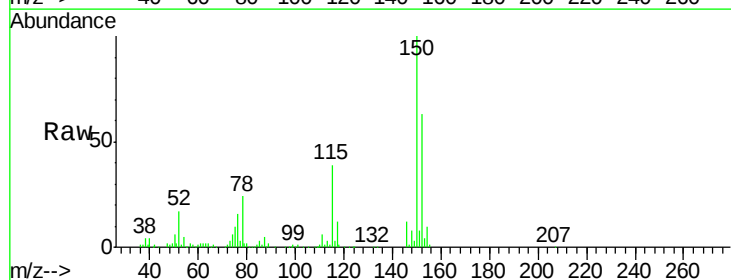
Manual Integrations
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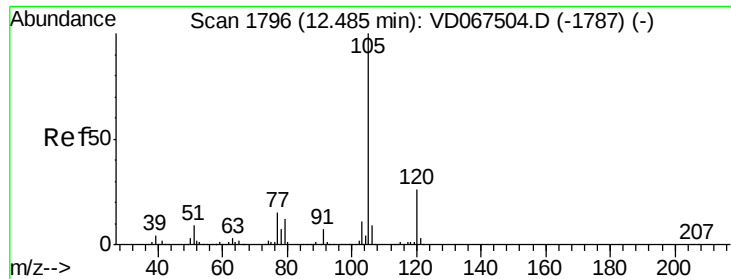
MMDadoda
11/17/2020 6:57:41 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD067630.D
Acq: 16 Nov 2020 10:11

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.1	29.3	88.0
150	172.9	0.0	338.2





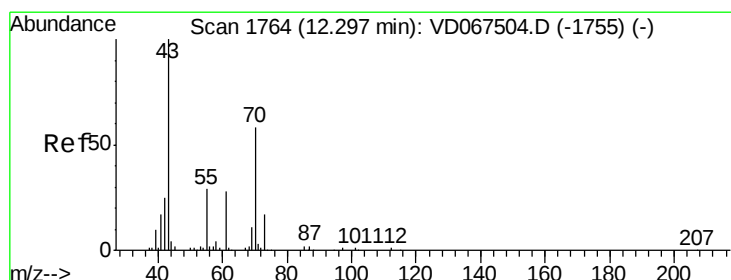
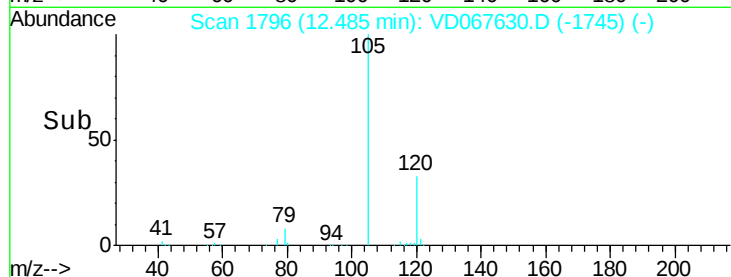
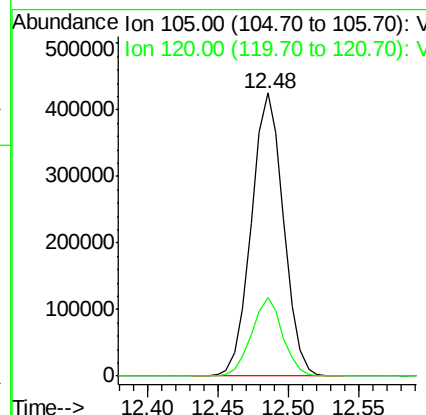
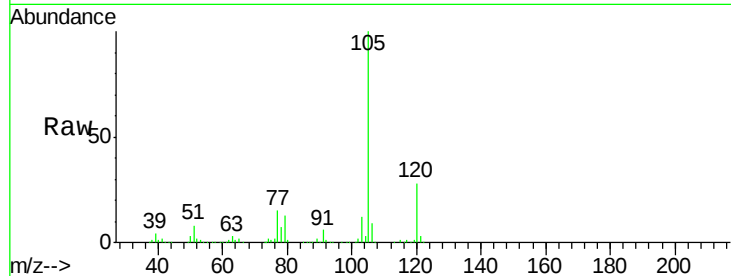
#73
Isopropylbenzene
Concen: 57.183 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VD067630.D
Acq: 16 Nov 2020 10:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:105 Resp: 680580
Ion Ratio Lower Upper
105 100
120 26.8 13.2 39.6

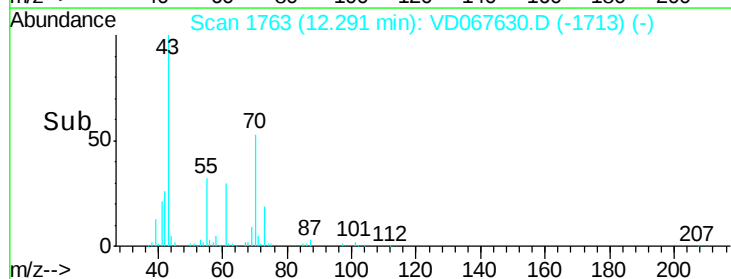
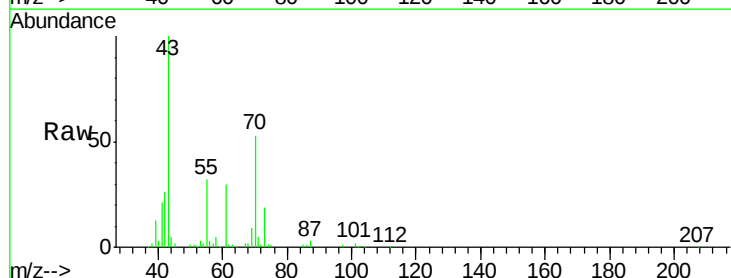
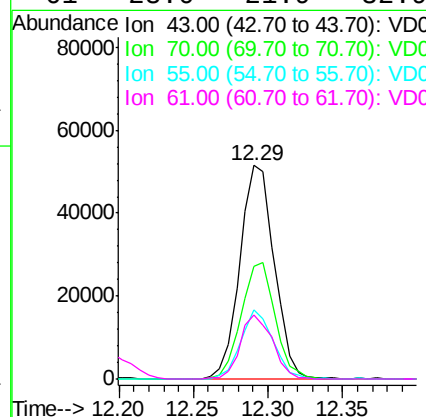
Manual Integrations
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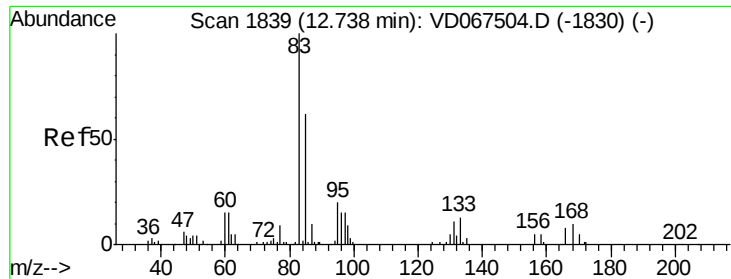
MMDadoda
11/17/2020 6:57:41 PM



#74
N-ethyl acetate
Concen: 52.682 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. -0.01 min
Lab File: VD067630.D
Acq: 16 Nov 2020 10:11

Tgt Ion: 43 Resp: 82505
Ion Ratio Lower Upper
43 100
70 53.5 42.6 64.0
55 30.4 23.7 35.5
61 28.0 21.9 32.9





#75

1,1,2,2-Tetrachloroethane

Concen: 52.394 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD067630.D

Acq: 16 Nov 2020 10:11

Instrument :

MSVOA_D

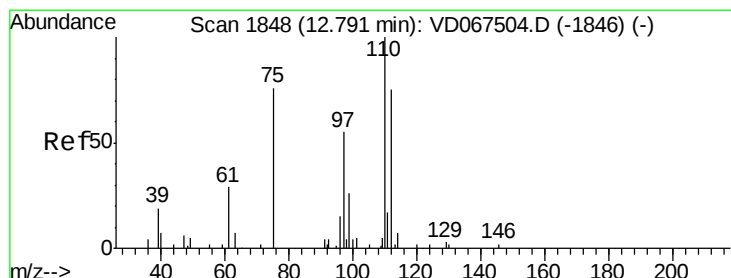
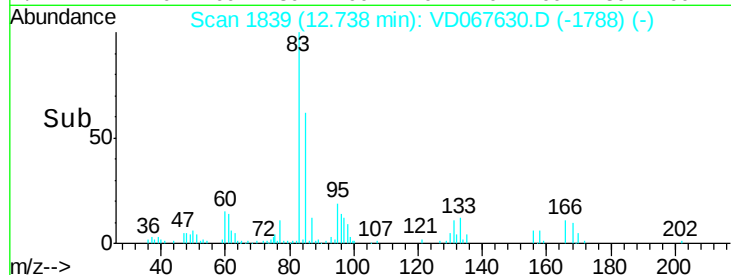
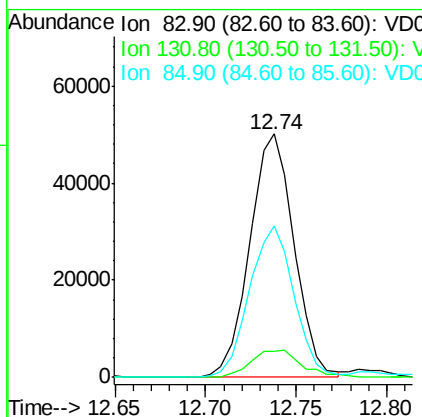
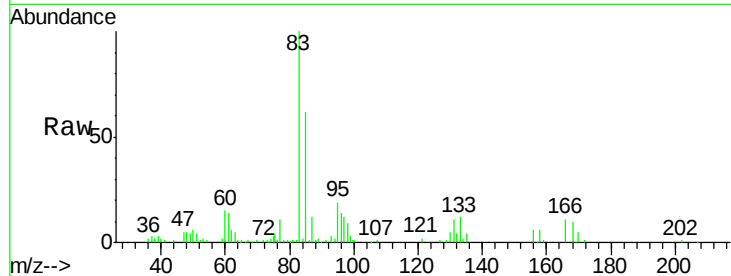
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	85032
Ion Ratio	Lower	Upper	
83	100		
131	12.9	7.1	21.3
85	62.3	32.9	98.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 47.592 ug/l m

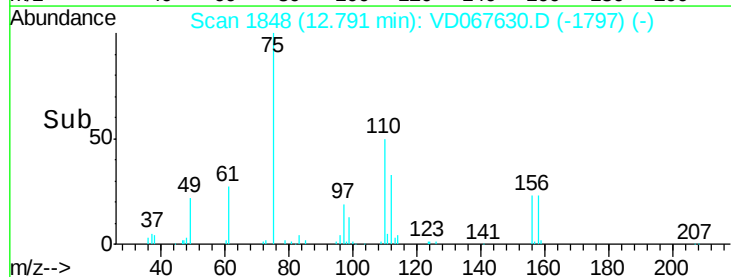
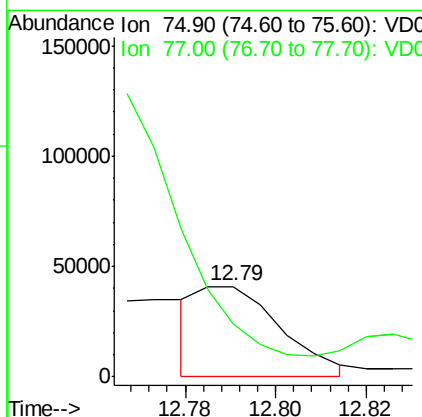
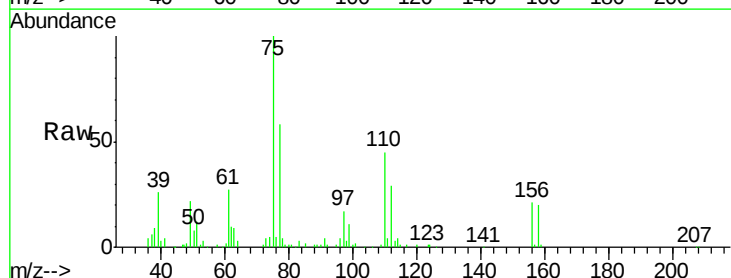
RT: 12.79 min Scan# 1848

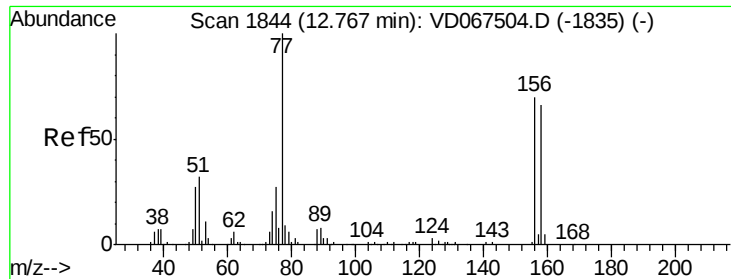
Delta R.T. 0.00 min

Lab File: VD067630.D

Acq: 16 Nov 2020 10:11

Tgt Ion:	75	Resp:	52872
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 54.841 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD067630.D

Acq: 16 Nov 2020 10:11

Instrument :

MSVOA_D

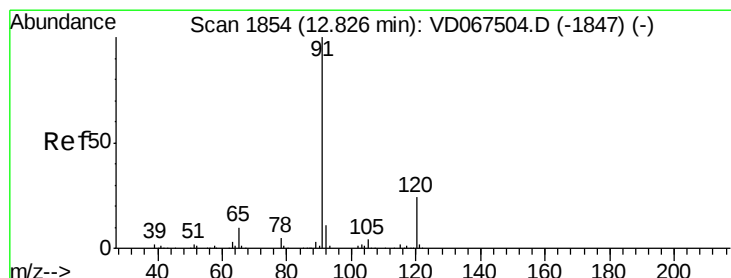
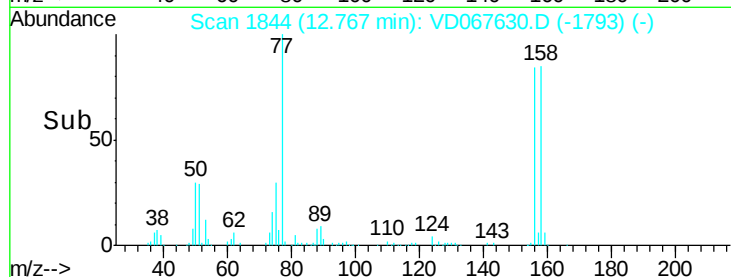
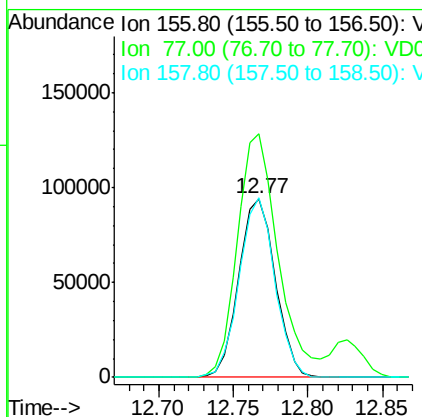
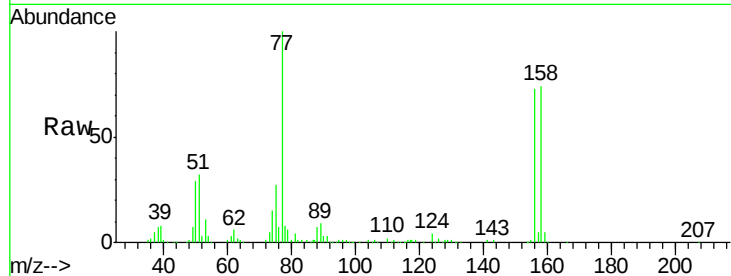
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	151.9	77.8	233.5
158	97.9	47.9	143.7

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#78

n-propylbenzene

Concen: 56.274 ug/l

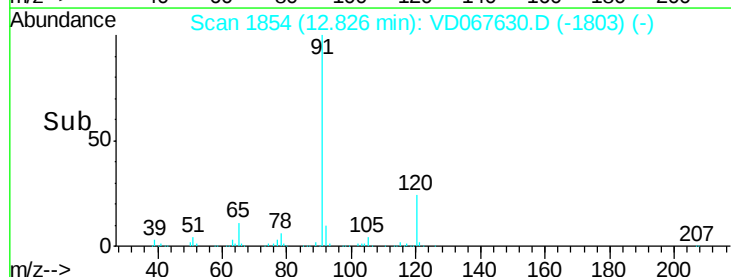
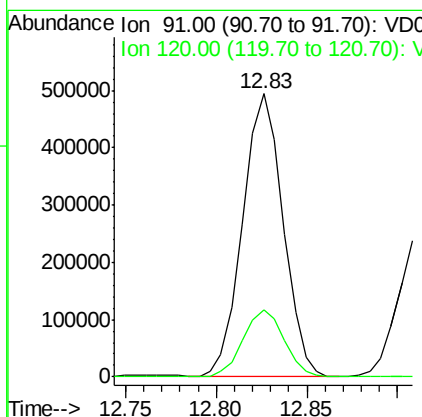
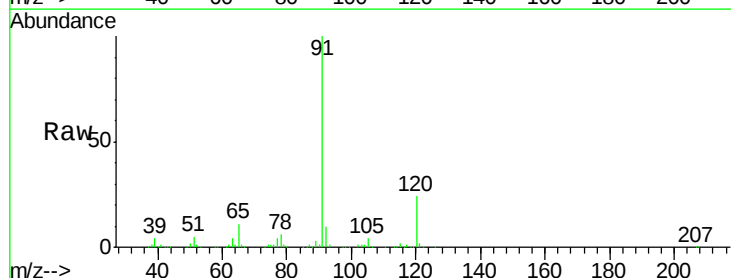
RT: 12.83 min Scan# 1854

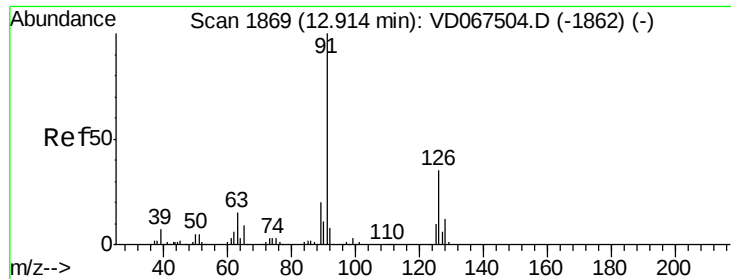
Delta R.T. 0.00 min

Lab File: VD067630.D

Acq: 16 Nov 2020 10:11

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.2	12.2	36.4





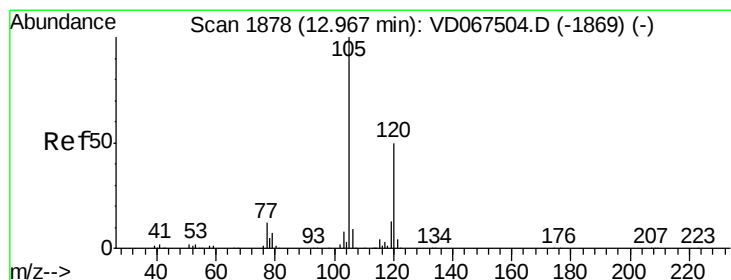
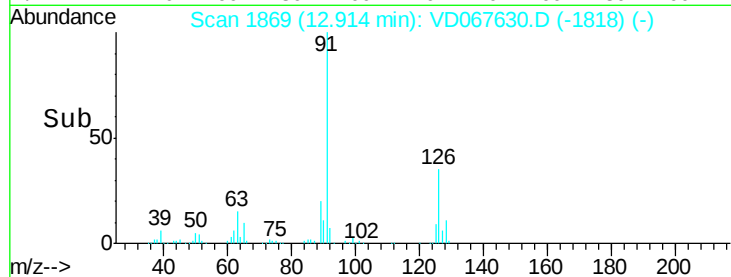
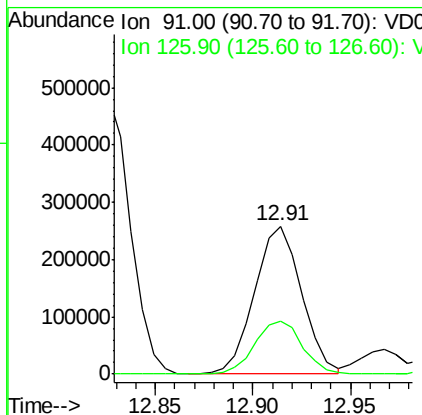
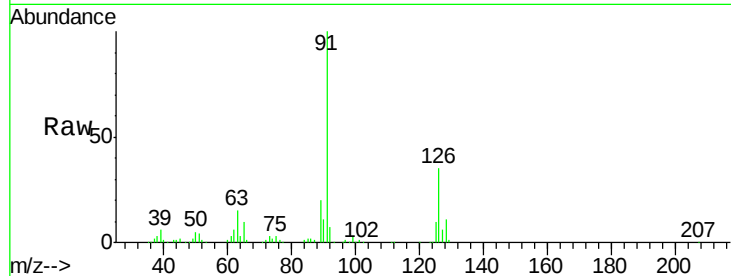
#79
 2-Chlorotoluene
 Concen: 55.746 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD067630.D
 Acq: 16 Nov 2020 10:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 431094
 Ion Ratio Lower Upper
 91 100
 126 36.3 17.8 53.4

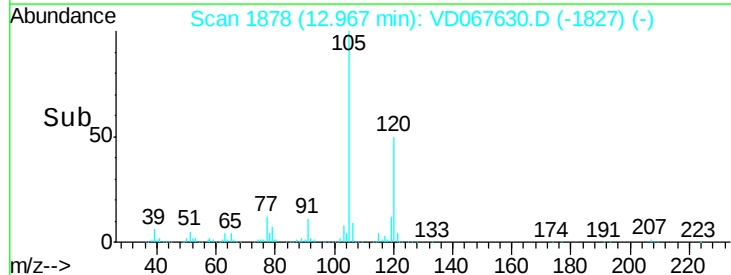
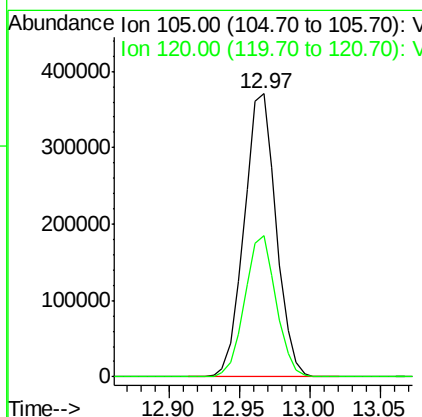
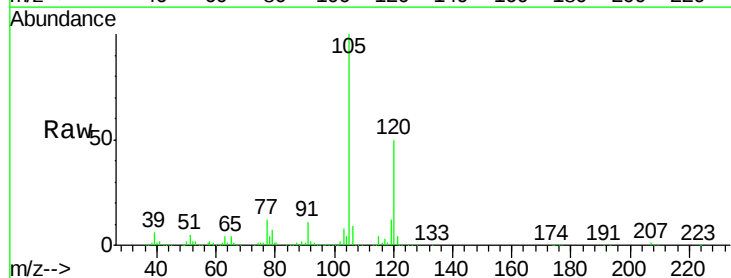
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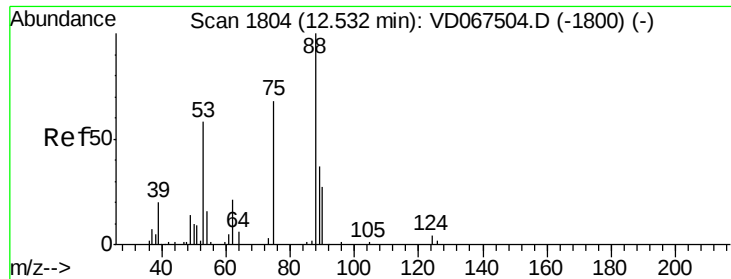
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#80
 1,3,5-Trimethylbenzene
 Concen: 57.823 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD067630.D
 Acq: 16 Nov 2020 10:11

Tgt Ion: 105 Resp: 587888
 Ion Ratio Lower Upper
 105 100
 120 48.7 24.3 72.8





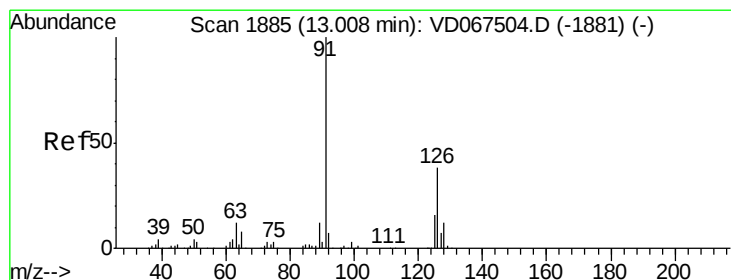
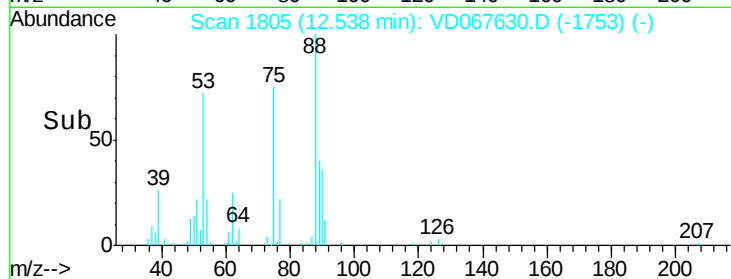
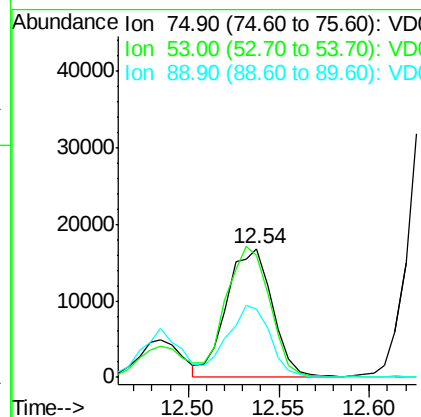
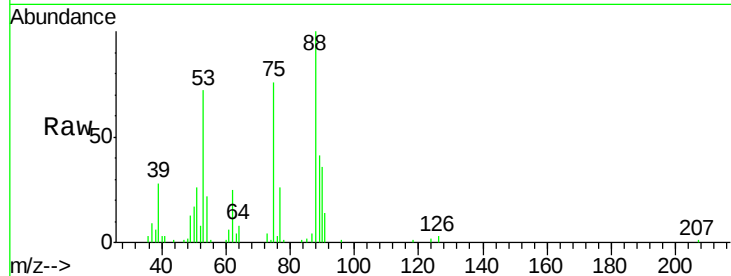
#81
trans-1,4-Dichloro-2-butene
Concen: 53.939 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. 0.01 min
Lab File: VD067630.D
Acq: 16 Nov 2020 10:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	95.6	75.9	113.9
89	51.7	44.6	67.0

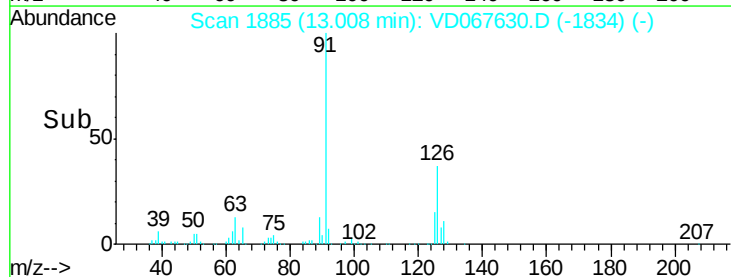
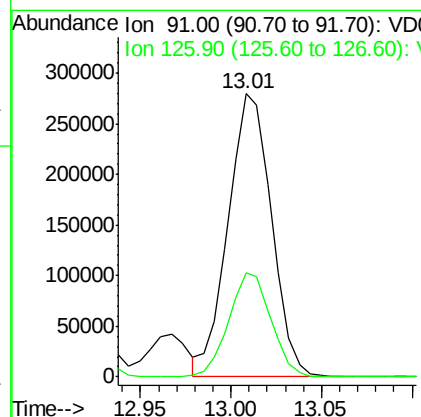
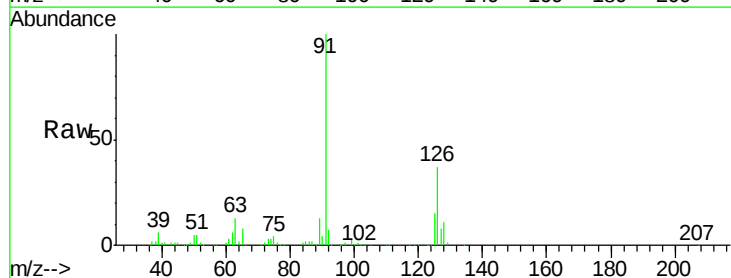
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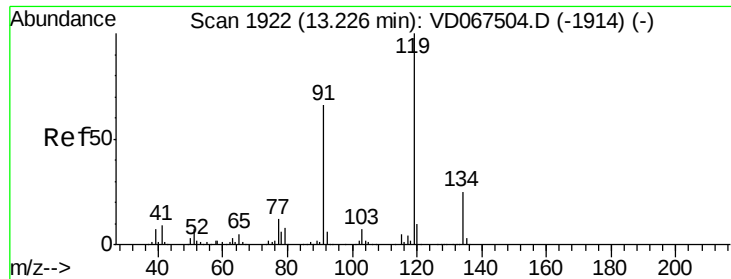
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#82
4-Chlorotoluene
Concen: 55.915 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VD067630.D
Acq: 16 Nov 2020 10:11

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.8	17.9	53.7





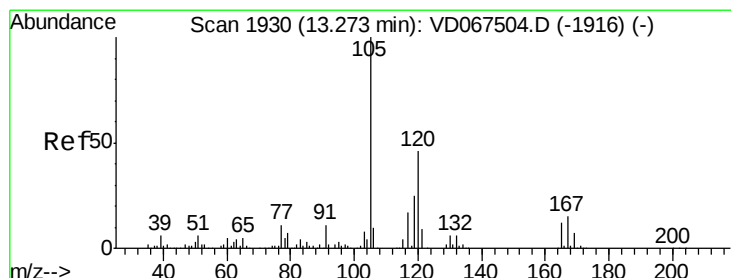
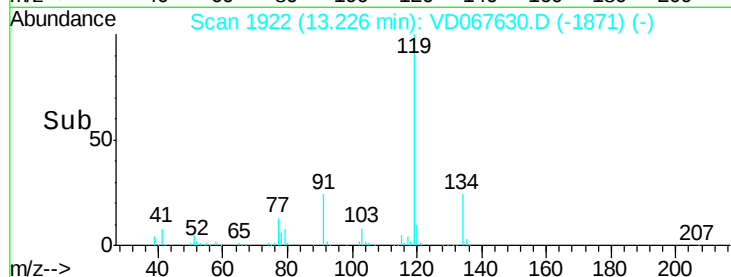
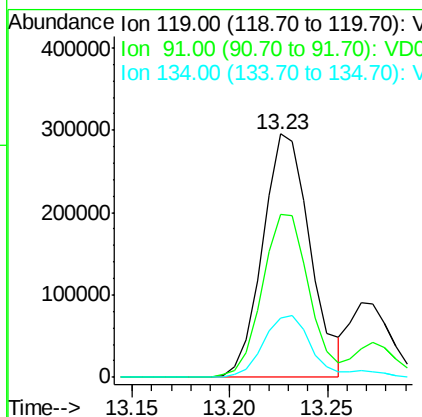
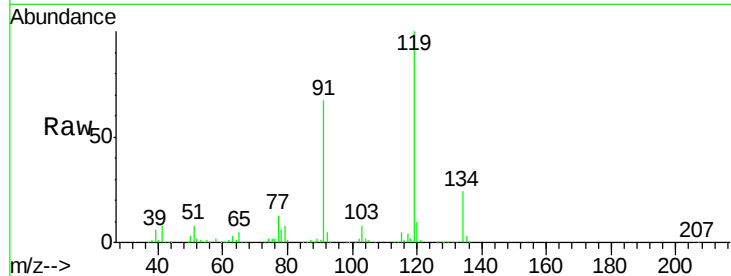
#83
tert-Butylbenzene
Concen: 58.013 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD067630.D
Acq: 16 Nov 2020 10:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	499878		
91	65.8	32.7	98.1	
134	25.3	13.4	40.2	

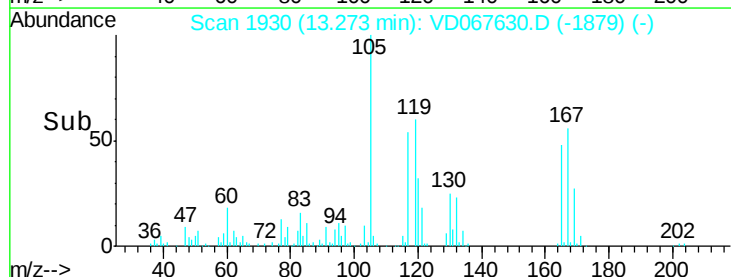
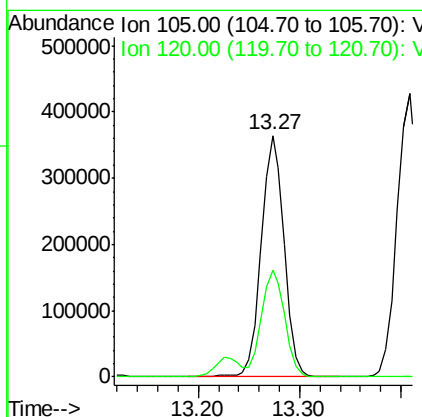
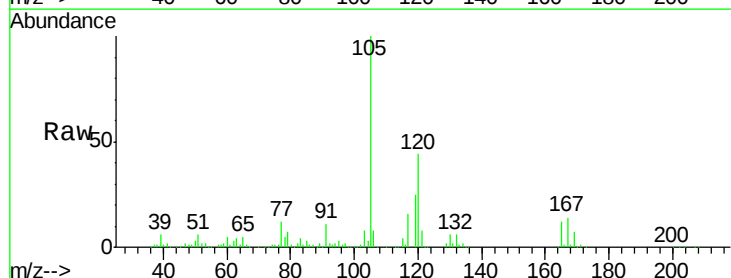
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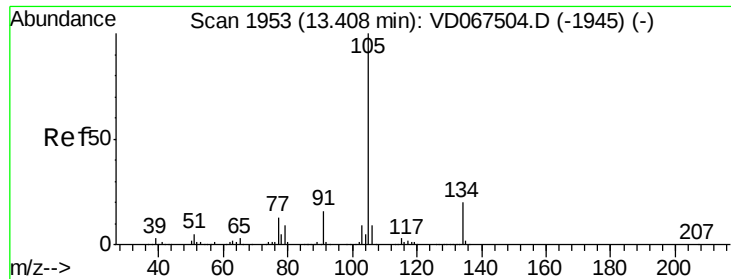
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#84
1,2,4-Trimethylbenzene
Concen: 56.613 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067630.D
Acq: 16 Nov 2020 10:11

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	572943		
120	45.6	22.1	66.1	





#85

sec-Butylbenzene

Concen: 57.015 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD067630.D

Acq: 16 Nov 2020 10:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 663197

Ion Ratio Lower Upper

105 100

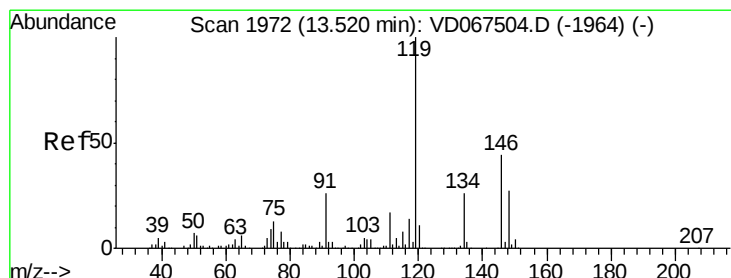
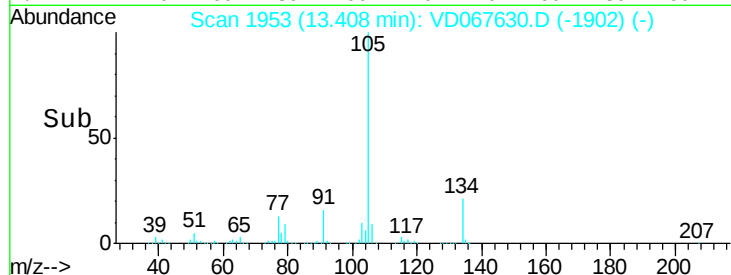
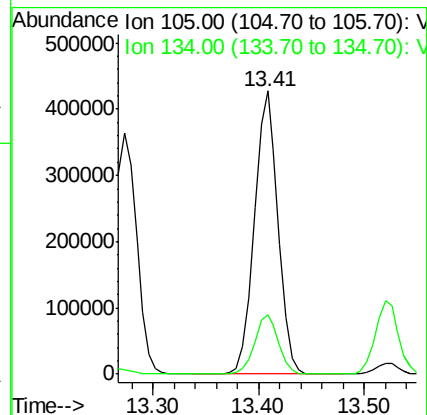
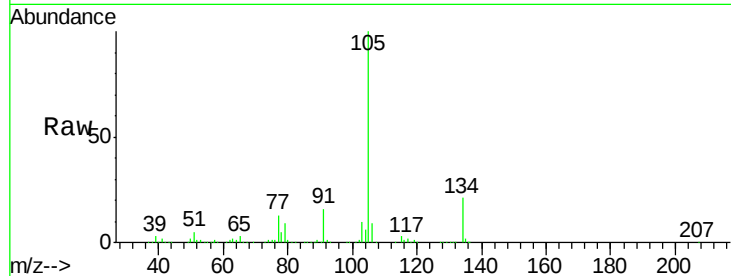
134 21.1 10.4 31.4

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#86

p-Isopropyltoluene

Concen: 57.147 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD067630.D

Acq: 16 Nov 2020 10:11

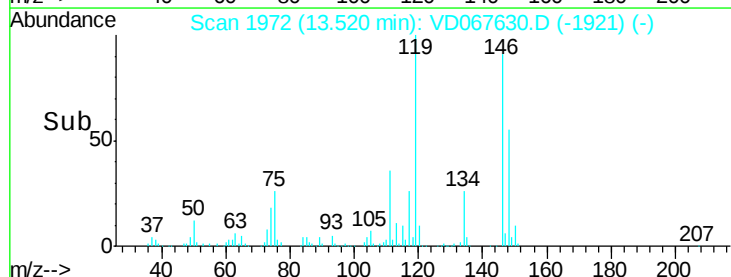
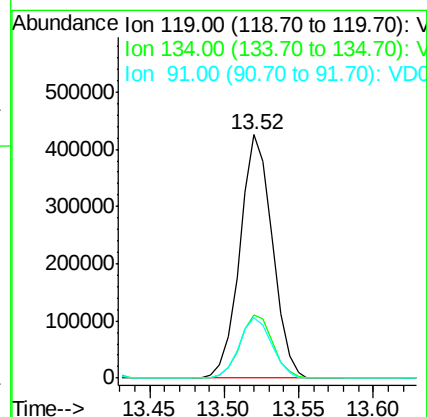
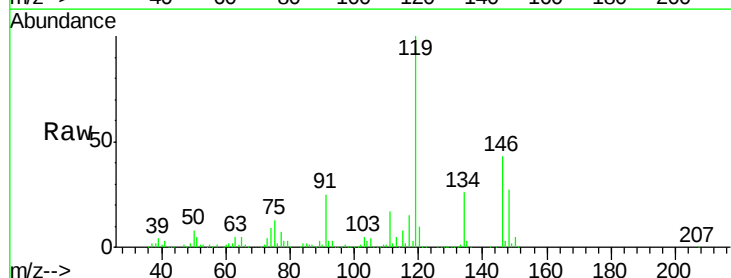
Tgt Ion:119 Resp: 641923

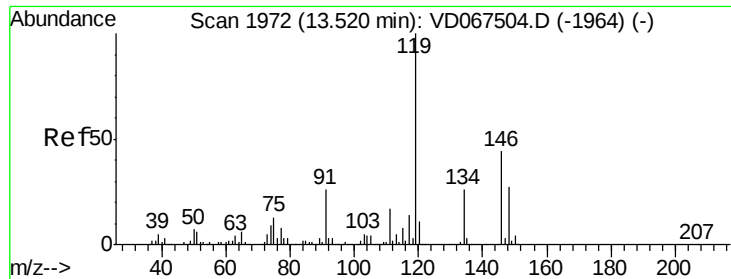
Ion Ratio Lower Upper

119 100

134 26.3 13.1 39.3

91 24.9 12.2 36.4





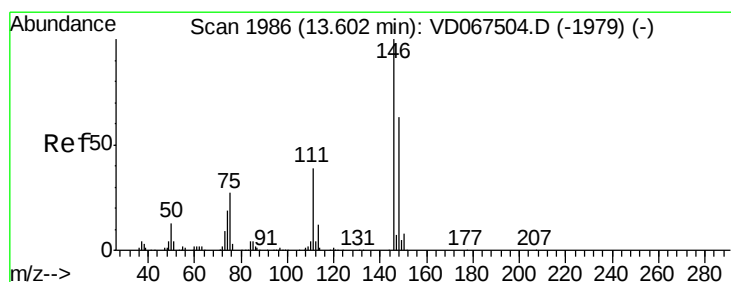
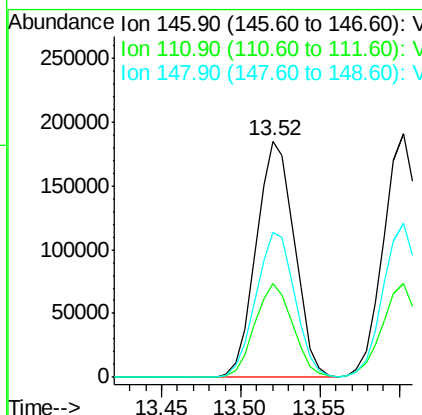
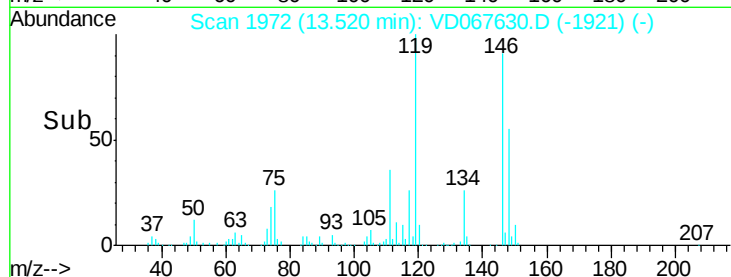
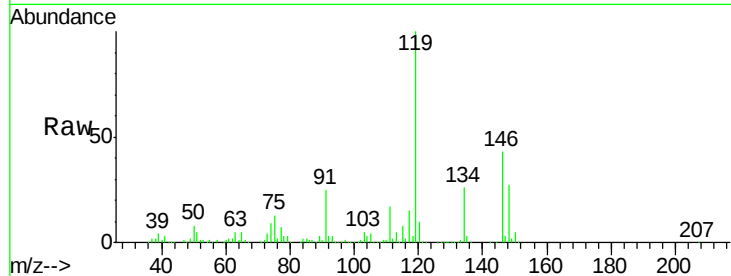
#87
 1,3-Dichlorobenzene
 Concen: 55.773 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD067630.D
 Acq: 16 Nov 2020 10:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	20.3	60.8
148	62.6	31.9	95.9

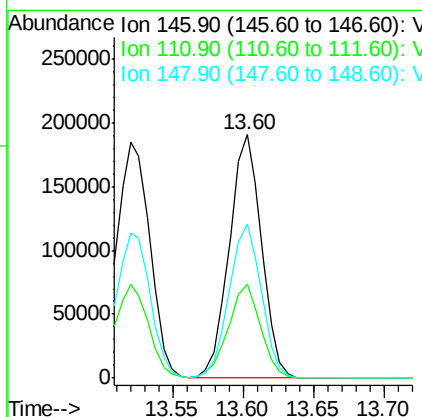
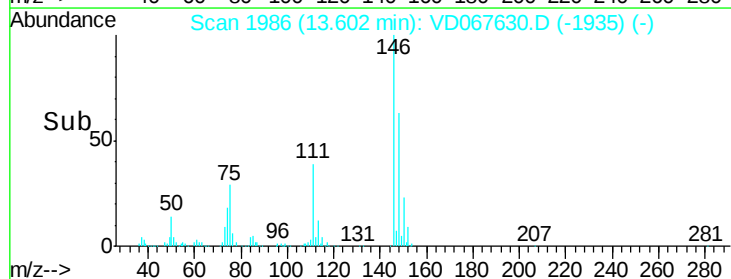
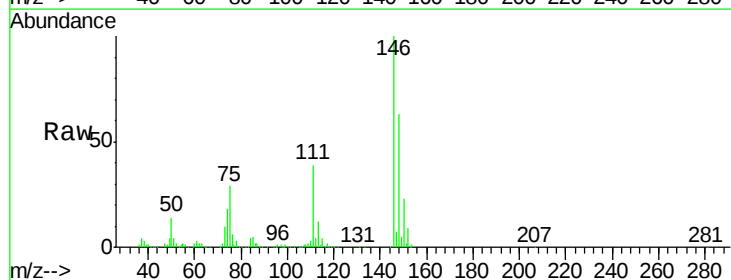
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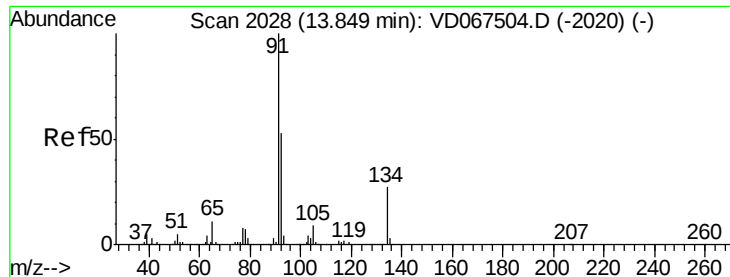
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#88
 1,4-Dichlorobenzene
 Concen: 53.659 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD067630.D
 Acq: 16 Nov 2020 10:11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.6	58.7
148	63.6	31.8	95.4





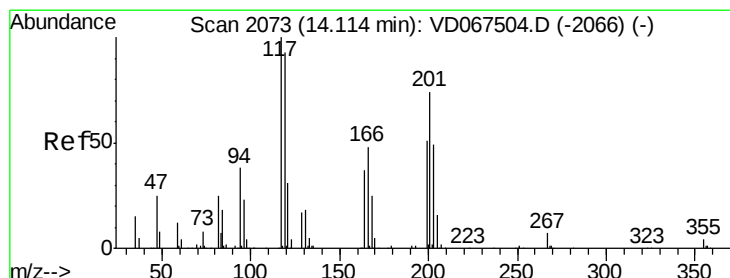
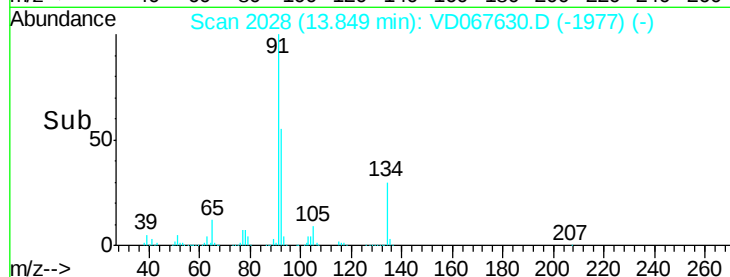
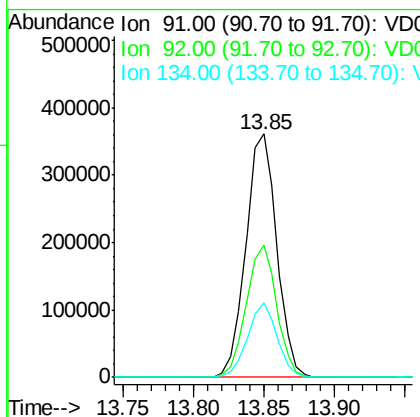
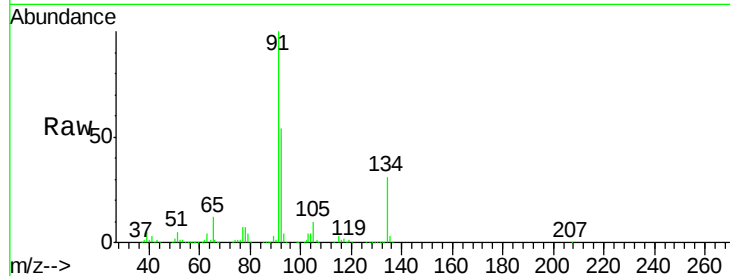
#89
n-Butylbenzene
Concen: 57.275 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067630.D
Acq: 16 Nov 2020 10:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.6	79.8
134	29.2	14.1	42.2

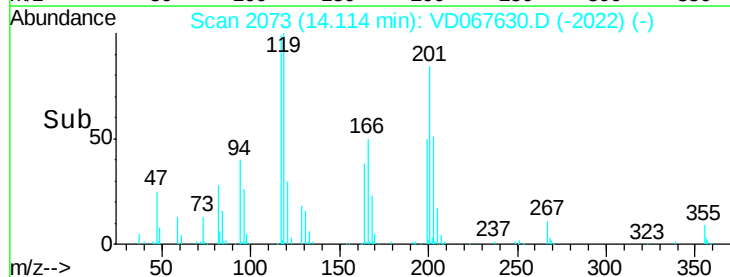
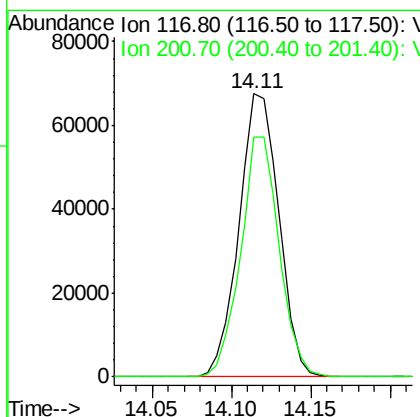
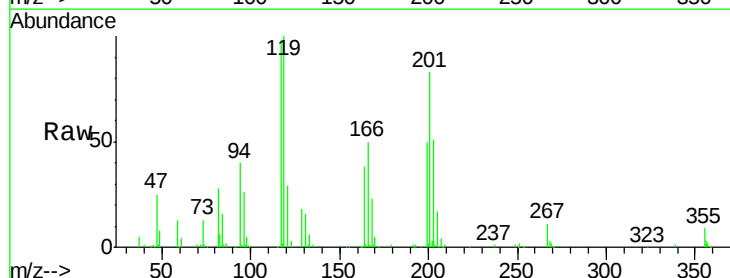
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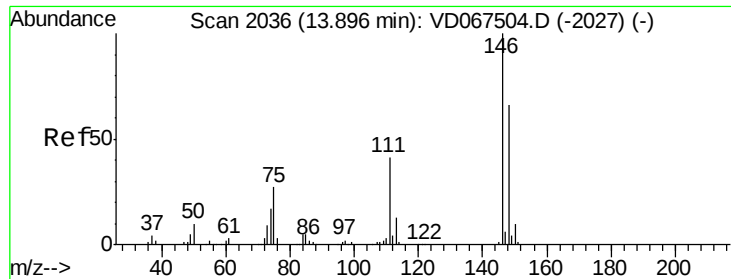
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#90
Hexachloroethane
Concen: 55.862 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD067630.D
Acq: 16 Nov 2020 10:11

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.8	40.7	122.1





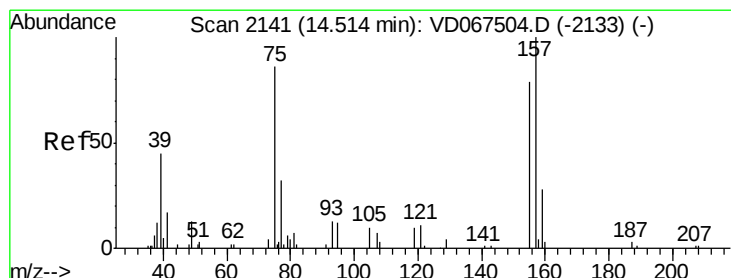
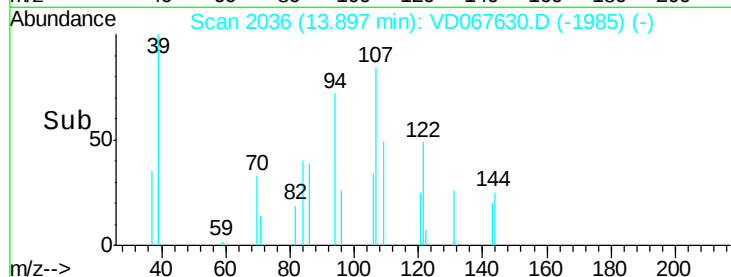
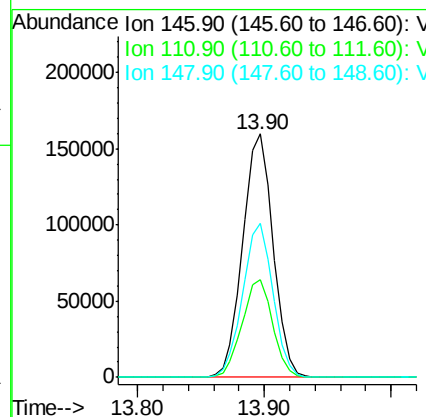
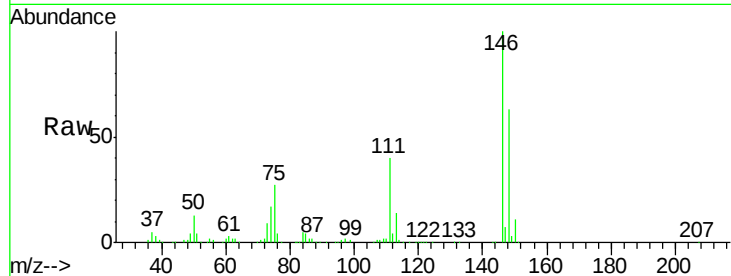
#91
 1,2-Dichlorobenzene
 Concen: 54.937 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD067630.D
 Acq: 16 Nov 2020 10:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.7	62.1
148	62.9	31.5	94.5

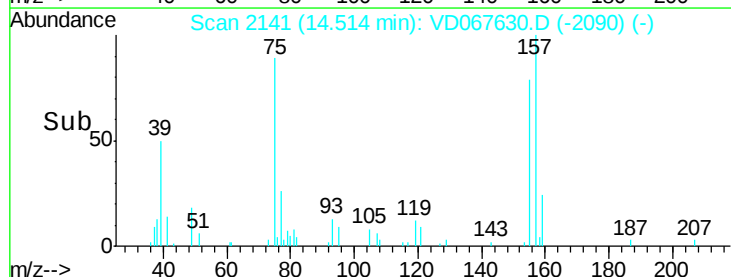
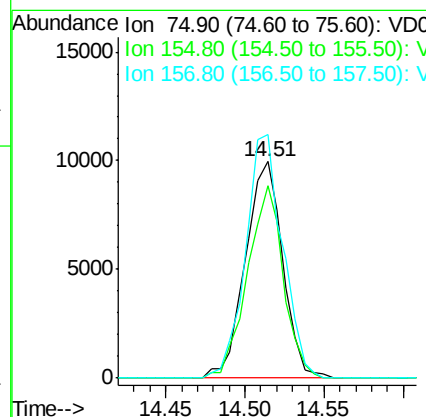
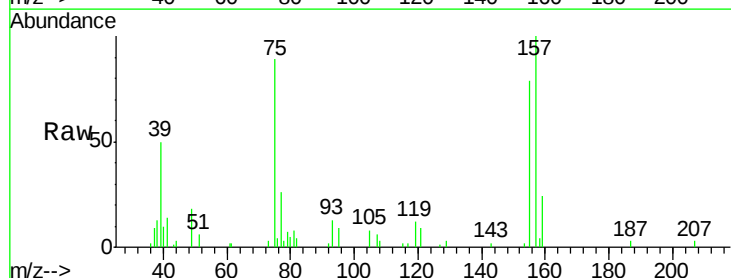
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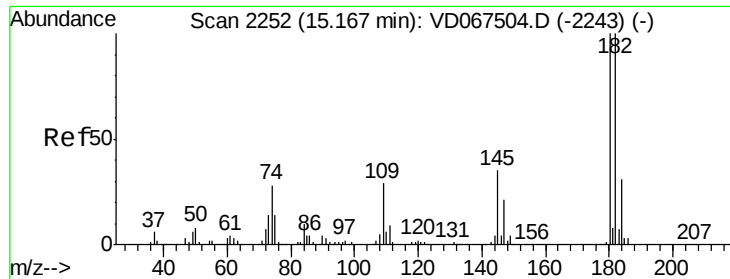
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 11/17/2020 6:57:41 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 56.698 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VD067630.D
 Acq: 16 Nov 2020 10:11

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.2	46.6	139.8
157	111.2	58.1	174.2





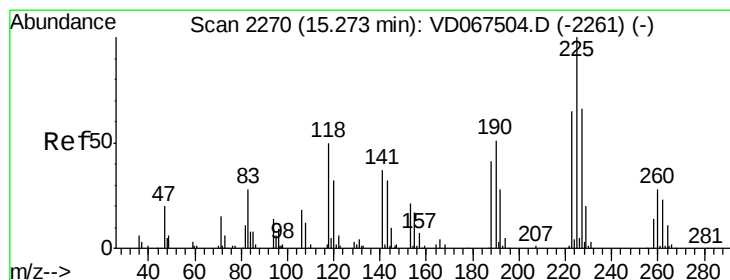
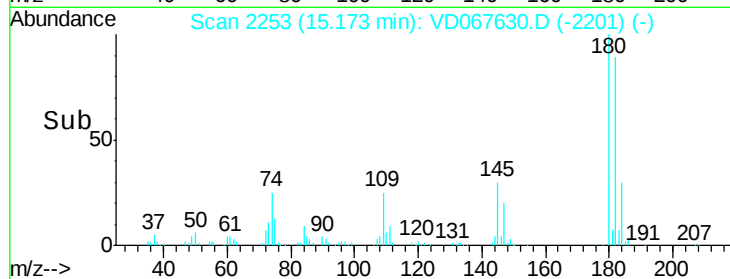
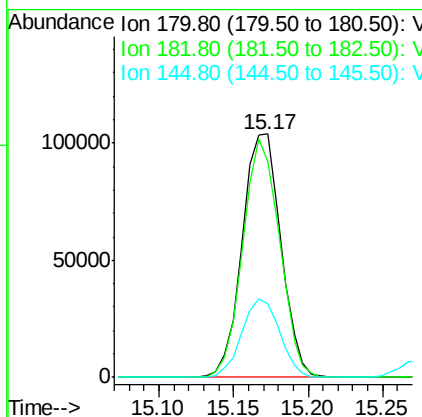
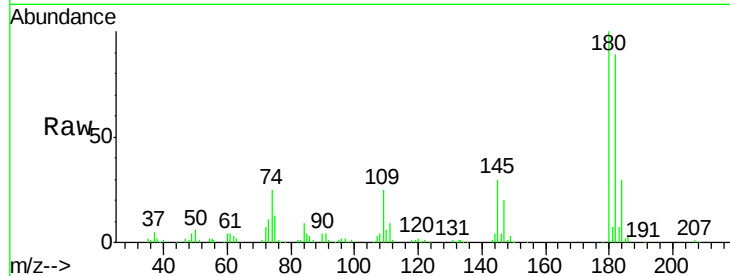
#93
 1,2,4-Trichlorobenzene
 Concen: 56.835 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.01 min
 Lab File: VD067630.D
 Acq: 16 Nov 2020 10:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.3	47.4	142.3
145	31.8	16.2	48.6

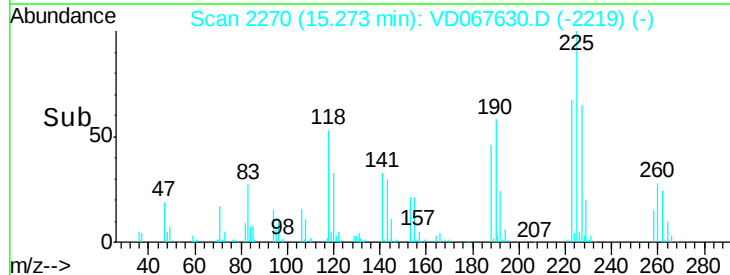
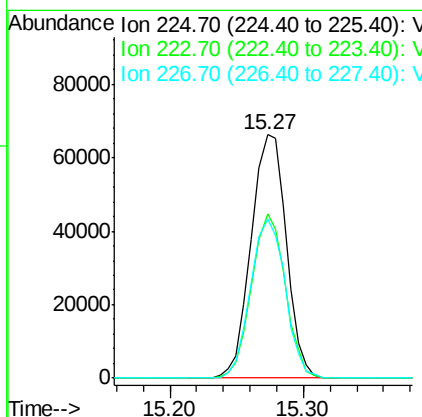
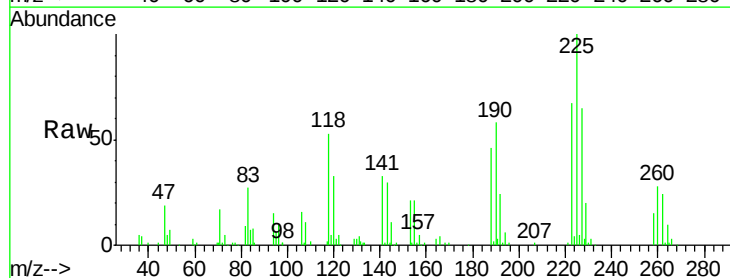
Manual Integrations
 APPROVED

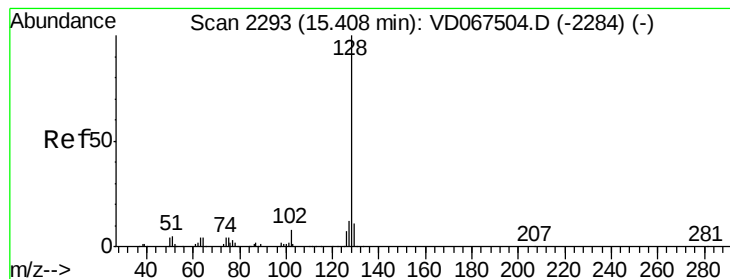
MMDadoda
 11/17/2020 6:57:41 PM



#94
 Hexachlorobutadiene
 Concen: 54.996 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD067630.D
 Acq: 16 Nov 2020 10:11

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.5	31.9	95.5
227	64.4	32.5	97.4





#95

Naphthalene

Concen: 57.059 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD067630.D

Acq: 16 Nov 2020 10:11

Instrument :

MSVOA_D

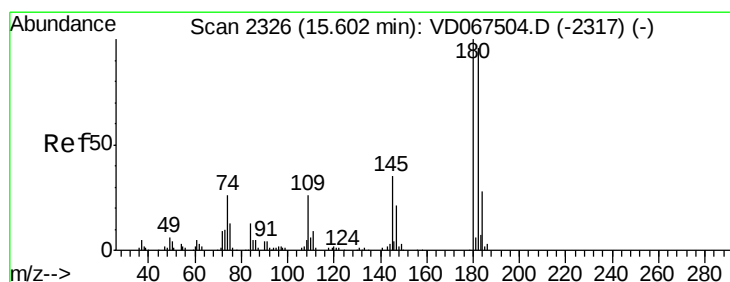
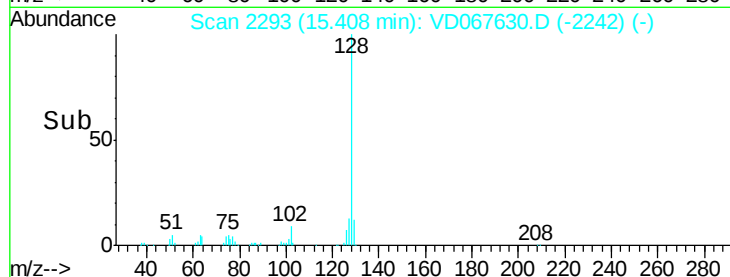
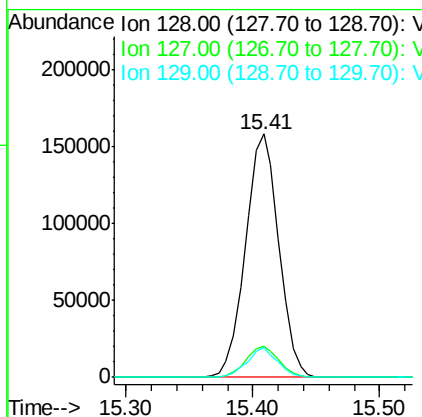
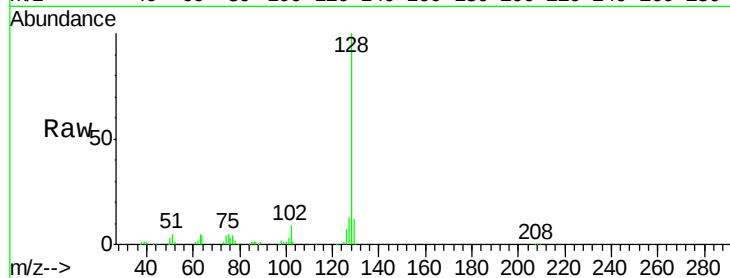
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	288488
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.2	15.4
129	11.2	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
11/17/2020 6:57:41 PM



#96

1,2,3-Trichlorobenzene

Concen: 54.361 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VD067630.D

Acq: 16 Nov 2020 10:11

Tgt Ion:	180	Resp:	152511
Ion Ratio	Lower	Upper	
180	100		
182	97.0	46.9	140.8
145	34.1	17.1	51.2

