

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112320\
 Data File : VD067740.D
 Acq On : 23 Nov 2020 12:17
 Operator : VA/SY
 Sample : VSTDICCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 11/24/2020 2:56:31 PM

Quant Time: Nov 24 00:46:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112320S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 24 00:34:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	276168	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	393443	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	353872	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	181443	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	133201	49.08	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.16%
35) Dibromofluoromethane	7.91	113	126465	50.21	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.42%
50) Toluene-d8	10.34	98	458945	50.20	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	100.40%
62) 4-Bromofluorobenzene	12.64	95	155305	49.45	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	98.90%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	123435	50.723	ug/l	100
3) Chloromethane	2.21	50	66166	47.841	ug/l	100
4) Vinyl Chloride	2.35	62	81820	47.396	ug/l	100
5) Bromomethane	2.77	94	66948	45.282	ug/l	100
6) Chloroethane	2.92	64	53198	46.681	ug/l	100
7) Trichlorofluoromethane	3.27	101	252912	48.399	ug/l	100
8) Diethyl Ether	3.71	74	47778	45.306	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.10	101	117163	47.060	ug/l	100
10) Methyl Iodide	4.30	142	134430	52.627	ug/l	100
11) Tert butyl alcohol	5.22	59	32962	162.616	ug/l	100
12) 1,1-Dichloroethene	4.07	96	109094	47.645	ug/l	100
13) Acrolein	3.92	56	25658	229.028	ug/l	100
14) Allyl chloride	4.72	41	109370	49.711	ug/l	100
15) Acrylonitrile	5.43	53	87519	244.865	ug/l	100
16) Acetone	4.16	43	85446	237.660	ug/l	100
17) Carbon Disulfide	4.41	76	324989	48.432	ug/l	100
18) Methyl Acetate	4.72	43	32813	47.292	ug/l	100
19) Methyl tert-butyl Ether	5.47	73	237768	48.557	ug/l	100
20) Methylene Chloride	4.96	84	129441	36.316	ug/l	100
21) trans-1,2-Dichloroethene	5.47	96	124639	48.631	ug/l	100
22) Diisopropyl ether	6.36	45	221797	51.223	ug/l	100
23) Vinyl Acetate	6.30	43	629069	255.855	ug/l	100
24) 1,1-Dichloroethane	6.26	63	181821	48.522	ug/l	100
25) 2-Butanone	7.21	43	91053	237.198	ug/l	100
26) 2,2-Dichloropropane	7.21	77	207880	47.380	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	133954	48.428	ug/l	100
28) Bromochloromethane	7.55	49	58738	49.090	ug/l	100
29) Tetrahydrofuran	7.56	42	56201	249.769	ug/l	100
30) Chloroform	7.71	83	229001	47.122	ug/l	100
31) Cyclohexane	7.98	56	152541	47.081	ug/l	100
32) 1,1,1-Trichloroethane	7.90	97	245503	47.412	ug/l	100
36) 1,1-Dichloropropene	8.11	75	166281	48.819	ug/l	100
37) Ethyl Acetate	7.30	43	45116	50.424	ug/l	100
38) Carbon Tetrachloride	8.10	117	240776	48.177	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	203773	50.377	ug/l	100
40) Benzene	8.36	78	454403	48.375	ug/l	100
41) Methacrylonitrile	7.53	41	24188	58.208	ug/l	100
42) 1,2-Dichloroethane	8.43	62	150711	47.758	ug/l	100
43) Isopropyl Acetate	8.46	43	88743	49.017	ug/l	100
44) Trichloroethene	9.11	130	149460	47.724	ug/l	100
45) 1,2-Dichloropropane	9.39	63	90298	47.279	ug/l	100
46) Dibromomethane	9.48	93	62442	48.680	ug/l	100
47) Bromodichloromethane	9.67	83	177870	49.060	ug/l	100
48) Methyl methacrylate	9.46	41	43361	48.349	ug/l	100
49) 1,4-Dioxane	9.47	88	13561	974.742	ug/l	100
51) 4-Methyl-2-Pentanone	10.23	43	210102	248.716	ug/l	100
52) Toluene	10.41	92	311173	49.108	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	154820	49.028	ug/l	100
54) cis-1,3-Dichloropropene	10.10	75	171347	47.930	ug/l	100
55) 1,1,2-Trichloroethane	10.80	97	83551	47.979	ug/l	100
56) Ethyl methacrylate	10.67	69	89195	49.559	ug/l	100
57) 1,3-Dichloropropane	10.95	76	129461	47.464	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	227284	270.416	ug/l	100
59) 2-Hexanone	10.99	43	149019	247.189	ug/l	100
60) Dibromochloromethane	11.14	129	127766	48.132	ug/l	100
61) 1,2-Dibromoethane	11.25	107	83522	48.507	ug/l	100
64) Tetrachloroethene	10.88	164	132244	47.528	ug/l	100
65) Chlorobenzene	11.67	112	346393	49.419	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	138512	49.327	ug/l	100
67) Ethyl Benzene	11.75	91	611229	50.802	ug/l	100
68) m/p-Xylenes	11.86	106	468306	99.549	ug/l	100
69) o-Xylene	12.18	106	216044	50.506	ug/l	100
70) Styrene	12.20	104	367970	49.796	ug/l	100
71) Bromoform	12.37	173	73019	47.762	ug/l #	100
73) Isopropylbenzene	12.48	105	609924	50.109	ug/l	100
74) N-amyl acetate	12.29	43	77912	49.409	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	74869	46.154	ug/l	100
76) 1,2,3-Trichloropropane	12.78	75	60775m	42.979	ug/l	
77) Bromobenzene	12.77	156	147468	48.658	ug/l	100
78) n-propylbenzene	12.83	91	678735	50.278	ug/l	100
79) 2-Chlorotoluene	12.91	91	395085	49.745	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	534074	49.986	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	26787	49.470	ug/l	100
82) 4-Chlorotoluene	13.01	91	418944	49.429	ug/l	100
83) tert-Butylbenzene	13.23	119	463761	51.507	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	530443	50.461	ug/l	100
85) sec-Butylbenzene	13.41	105	599067	50.385	ug/l	100
86) p-Isopropyltoluene	13.52	119	578470	50.308	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	276005	46.734	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	281375	47.809	ug/l	100
89) n-Butylbenzene	13.84	91	496919	50.483	ug/l	100
90) Hexachloroethane	14.11	117	106544	48.625	ug/l	100
91) 1,2-Dichlorobenzene	13.89	146	242892	47.821	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	16523	47.861	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.16	180	178286	49.565	ug/l	100
94) Hexachlorobutadiene	15.27	225	112658	48.826	ug/l	100
95) Naphthalene	15.40	128	288285	49.461	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	153262	50.179	ug/l	100

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

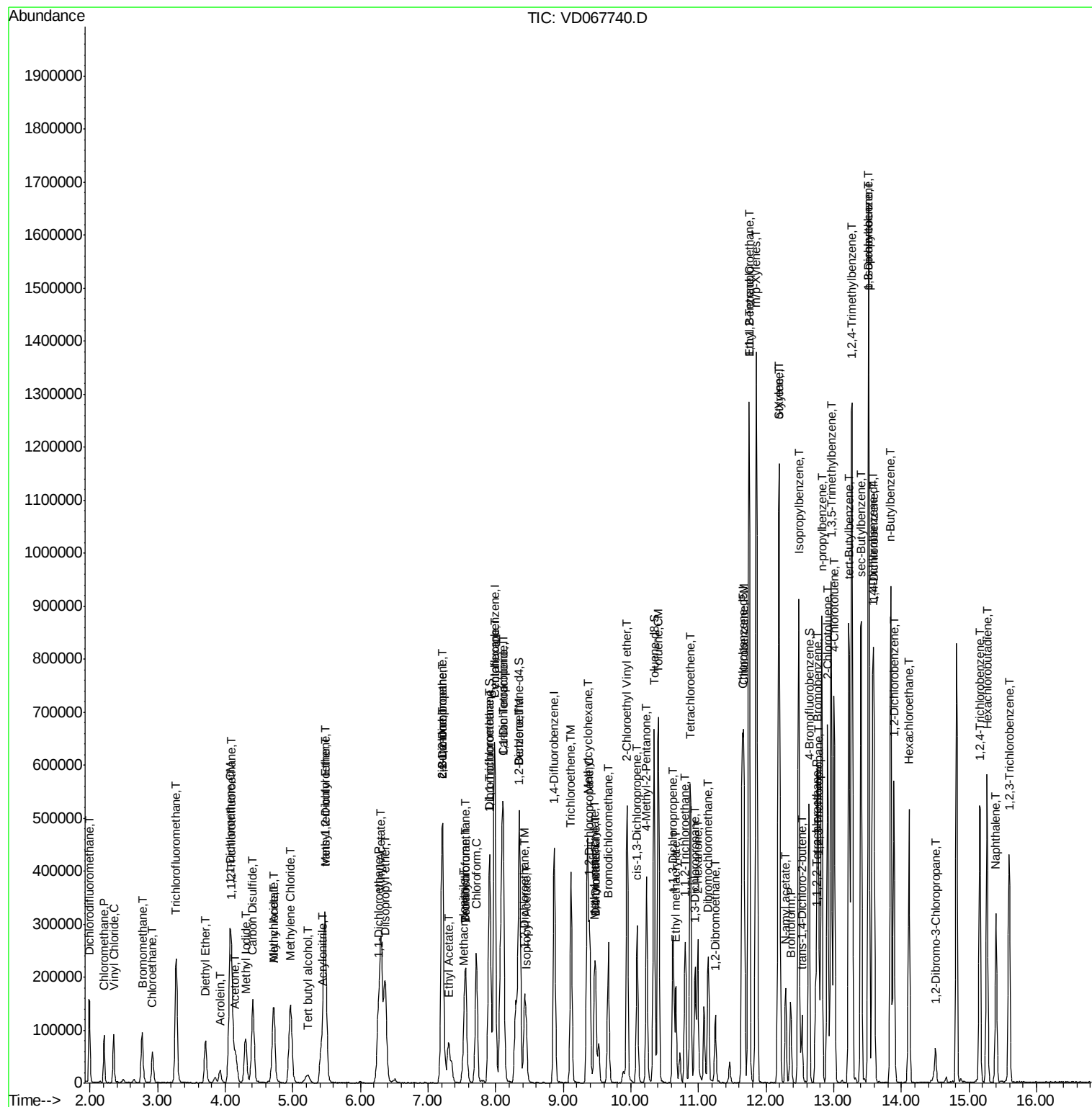
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD112320\
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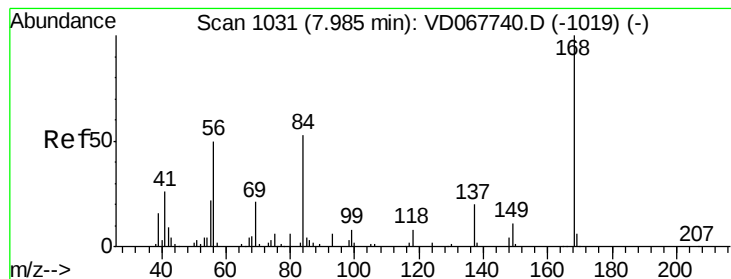
Instrument :
MSVOA_D
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067740.D

Acq: 23 Nov 2020 12:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 276168

Ion Ratio Lower Upper

168 100

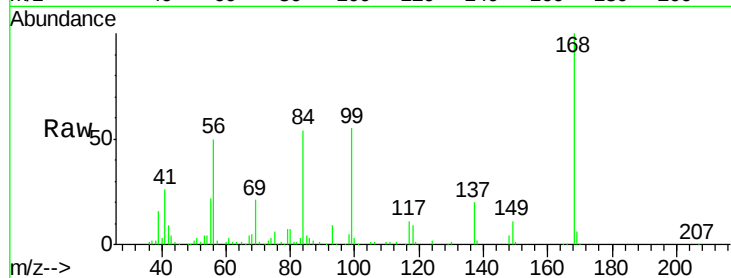
99 54.8 43.8 65.8

Manual Integrations

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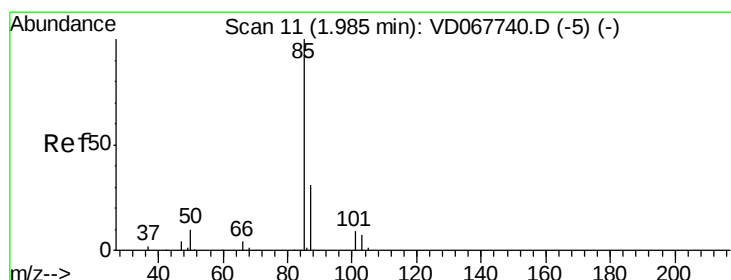
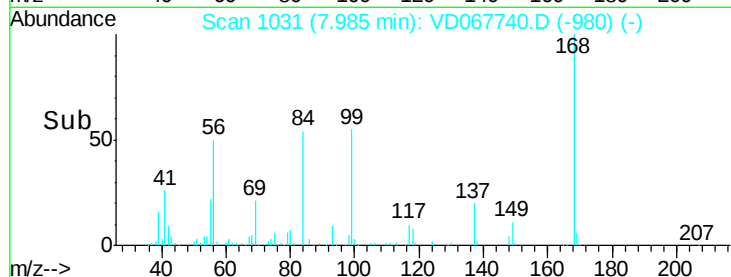
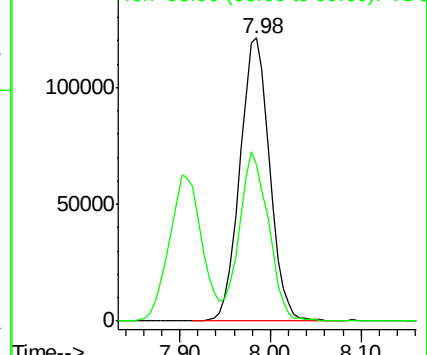
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 50.723 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067740.D

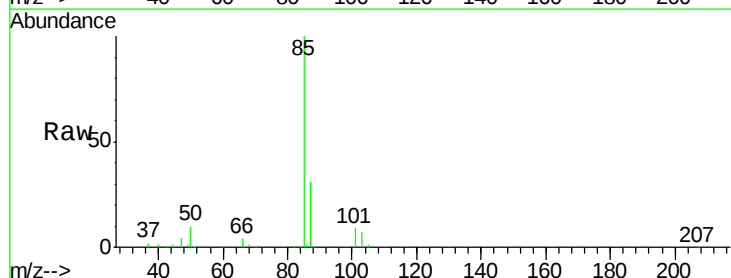
Acq: 23 Nov 2020 12:17

Tgt Ion: 85 Resp: 123435

Ion Ratio Lower Upper

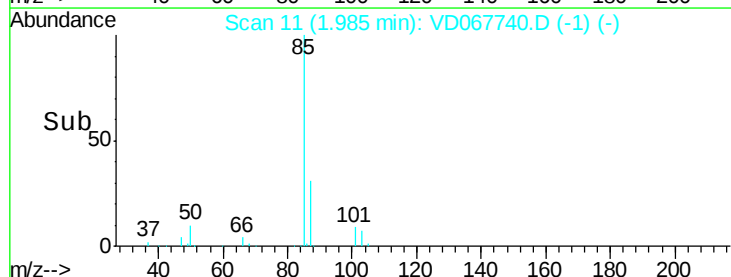
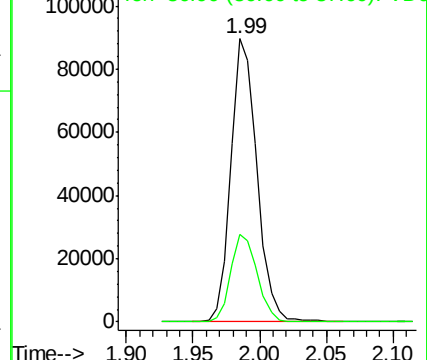
85 100

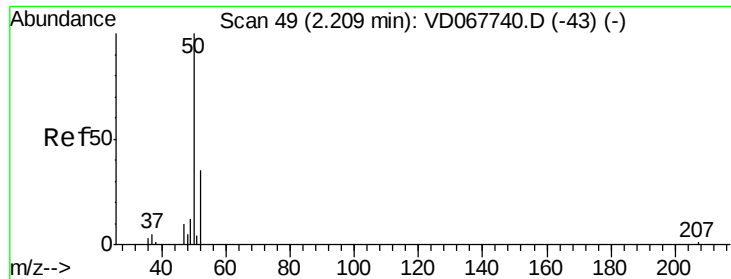
87 31.0 15.5 46.5



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 47.841 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD067740.D

Acq: 23 Nov 2020 12:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 66166

Ion Ratio Lower Upper

50 100

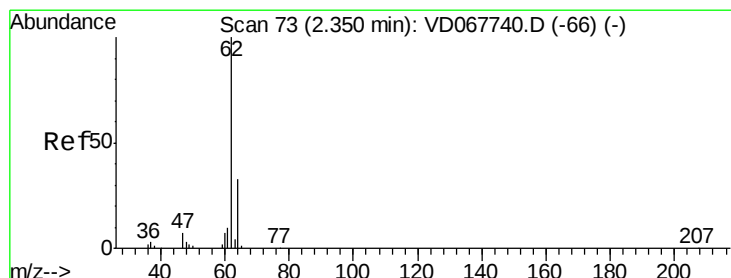
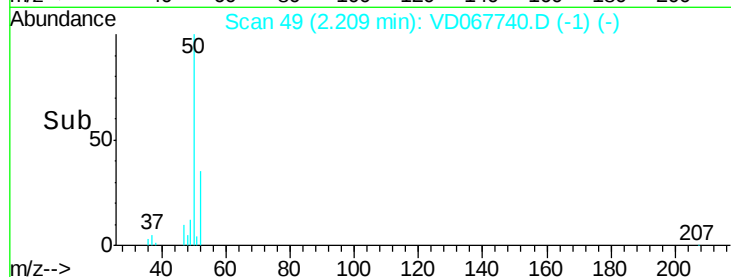
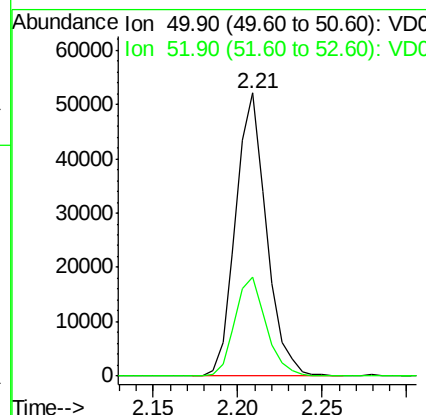
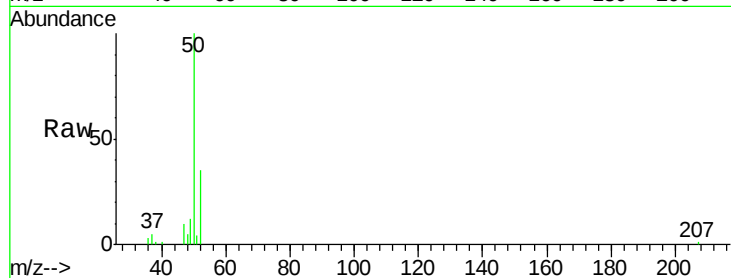
52 34.8 27.8 41.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 47.396 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067740.D

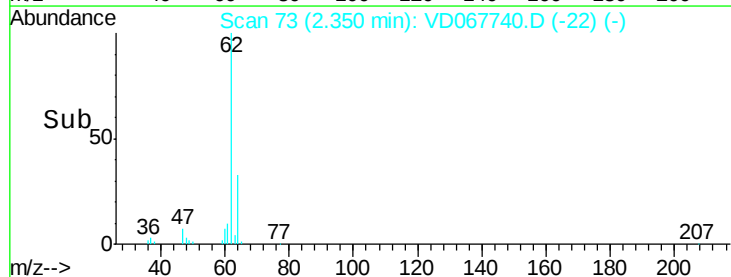
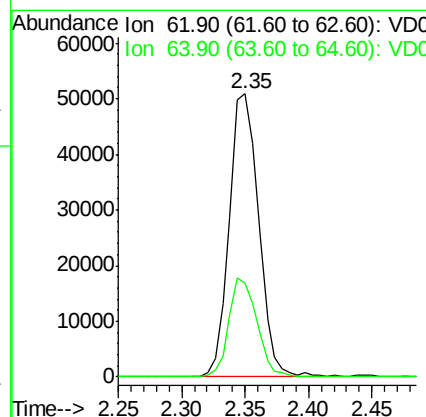
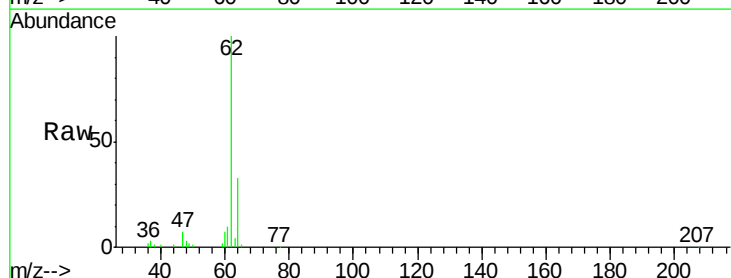
Acq: 23 Nov 2020 12:17

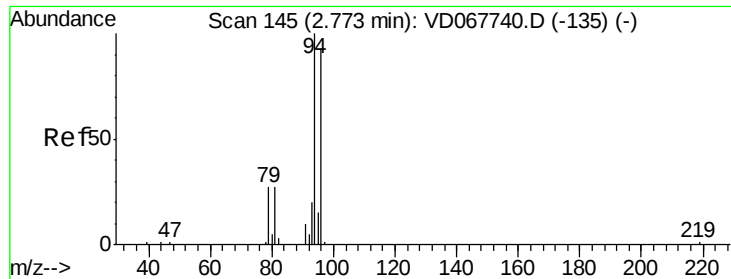
Tgt Ion: 62 Resp: 81820

Ion Ratio Lower Upper

62 100

64 33.3 26.6 40.0





#5

Bromomethane

Concen: 45.282 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD067740.D

Acq: 23 Nov 2020 12:17

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 66948

Ion Ratio Lower Upper

94 100

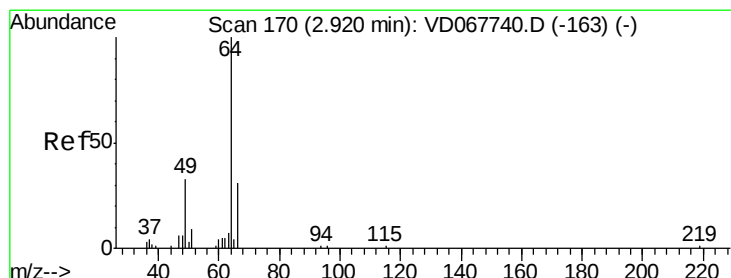
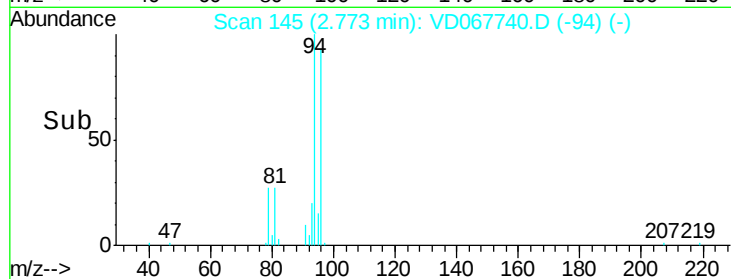
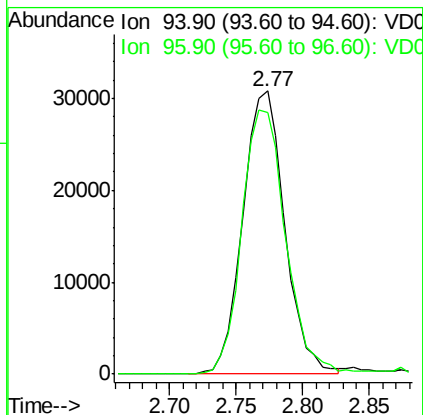
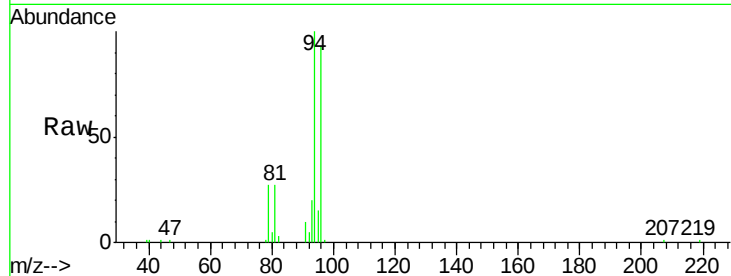
96 92.5 74.0 111.0

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#6

Chloroethane

Concen: 46.681 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD067740.D

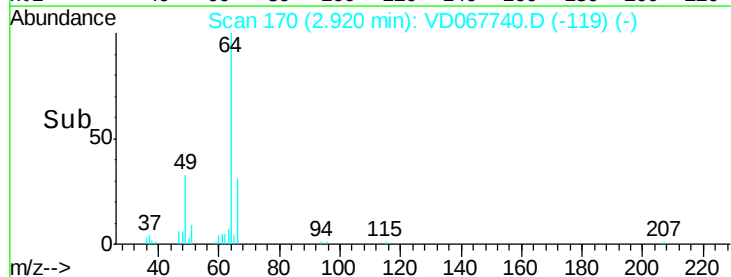
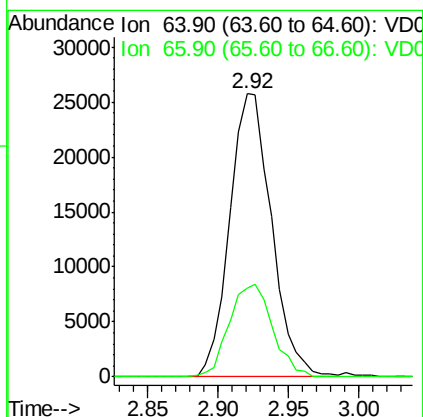
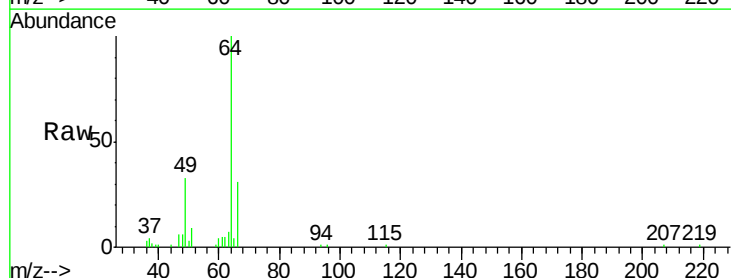
Acq: 23 Nov 2020 12:17

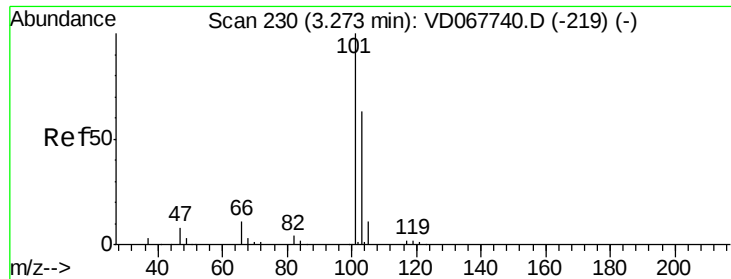
Tgt Ion: 64 Resp: 53198

Ion Ratio Lower Upper

64 100

66 31.4 25.1 37.7





#7

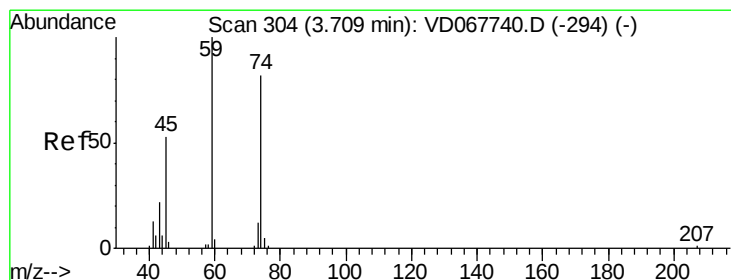
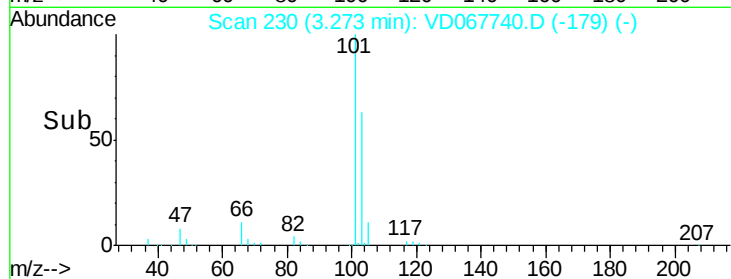
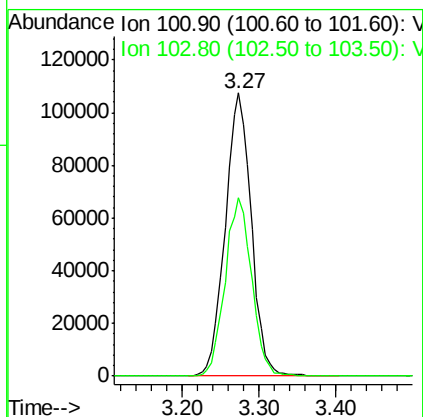
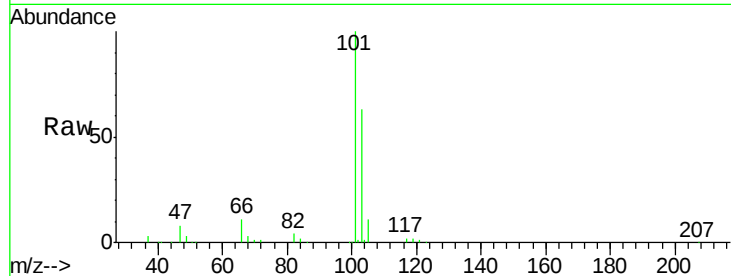
Trichlorofluoromethane
Concen: 48.399 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD067740.D
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		252912		
103	62.9	50.3	75.5		

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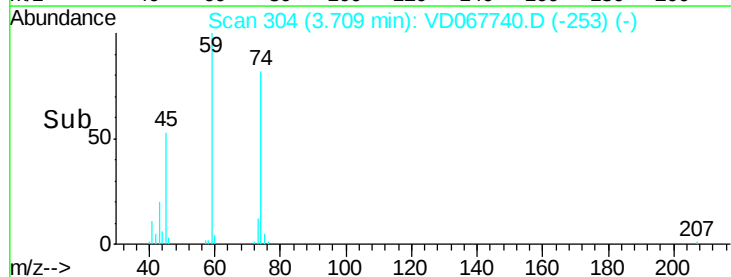
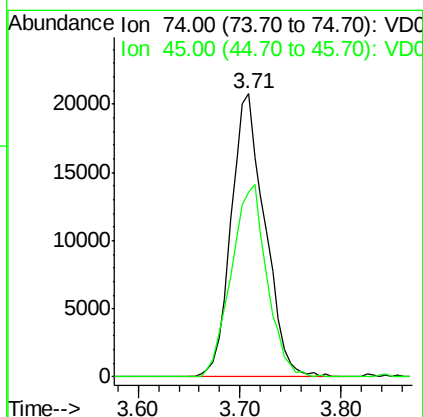
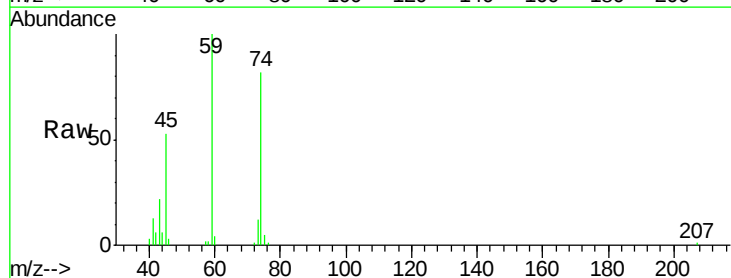
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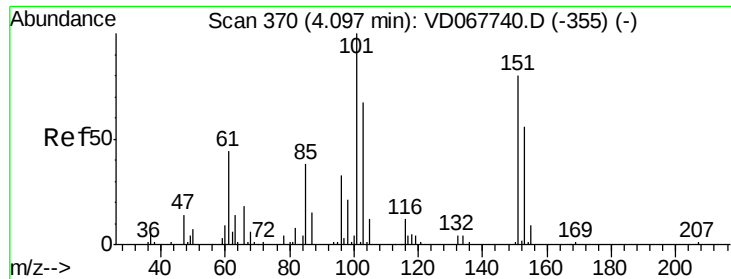


#8

Diethyl Ether
Concen: 45.306 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD067740.D
Acq: 23 Nov 2020 12:17

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		47778		
45	71.9	35.9	107.8		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.060 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD067740.D

Acq: 23 Nov 2020 12:17

Instrument :

MSVOA_D

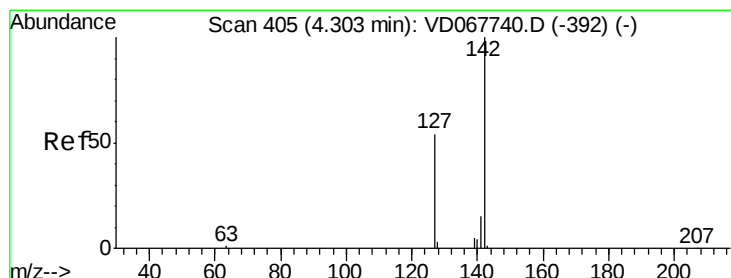
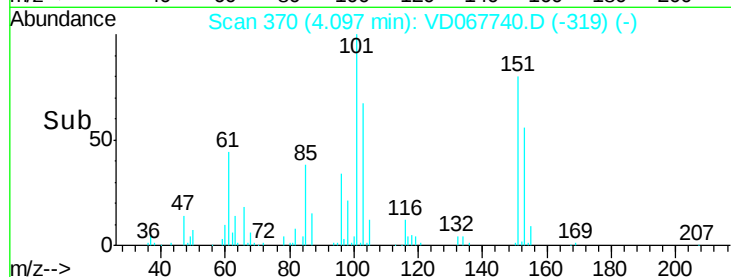
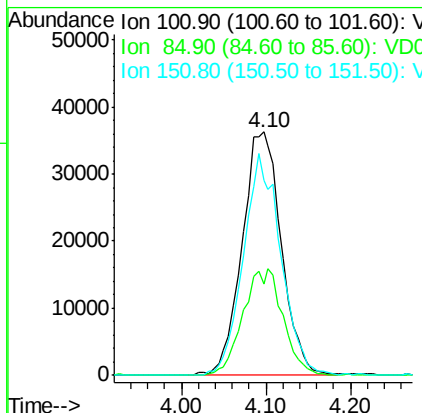
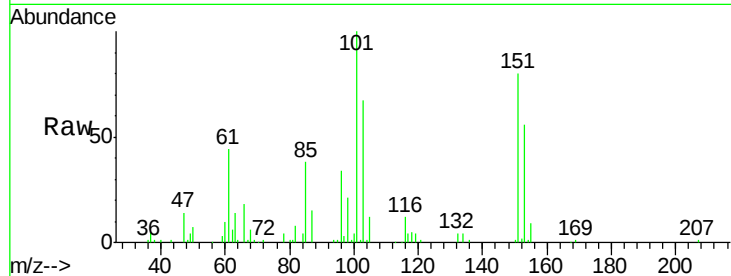
ClientSampleId :

VSTDICCC050

Tot Ion:	101	Resp:	117163
Ion Ratio	Lower	Upper	
101	100		
85	44.4	35.5	53.3
151	86.7	69.4	104.0

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#10

Methyl Iodide

Concen: 52.627 ug/l

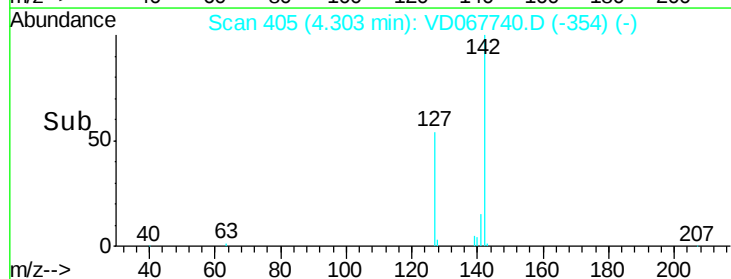
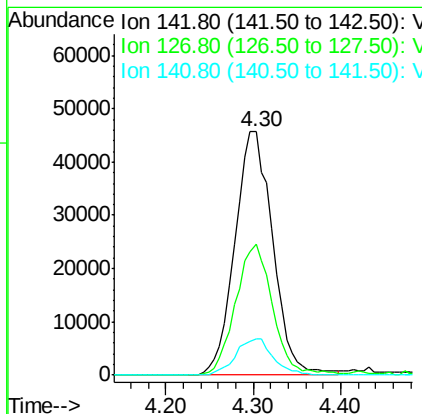
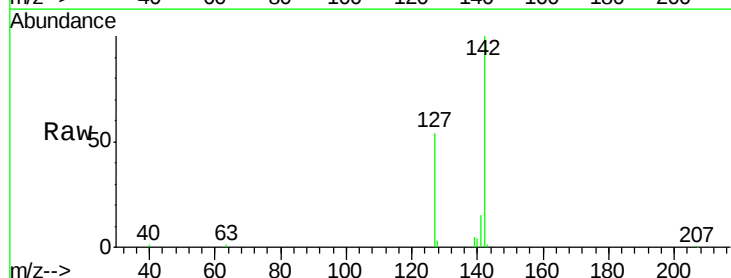
RT: 4.30 min Scan# 405

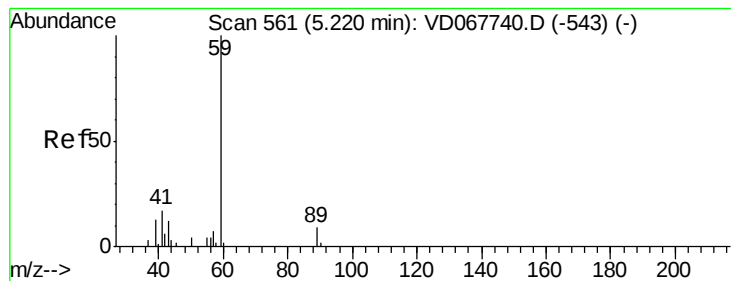
Delta R.T. 0.00 min

Lab File: VD067740.D

Acq: 23 Nov 2020 12:17

Tgt Ion:	142	Resp:	134430
Ion Ratio	Lower	Upper	
142	100		
127	52.7	42.2	63.2
141	14.7	11.8	17.6





#11

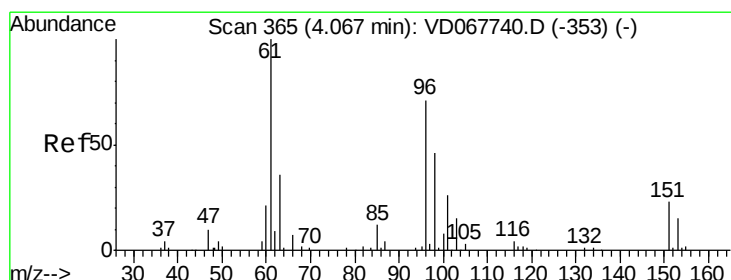
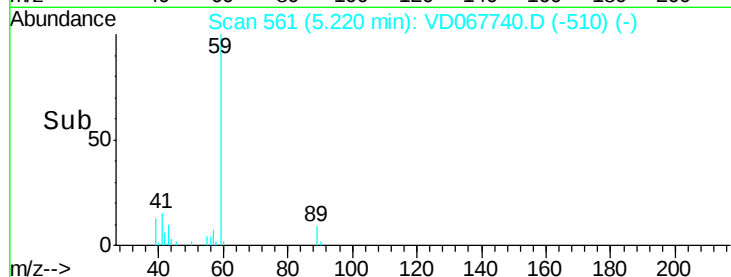
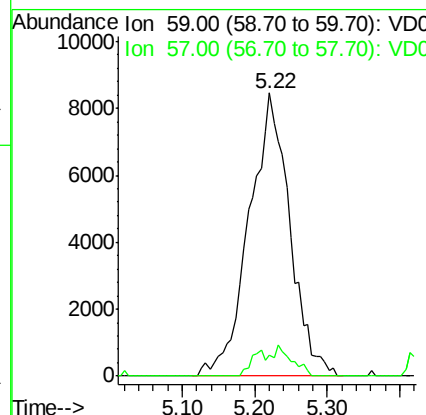
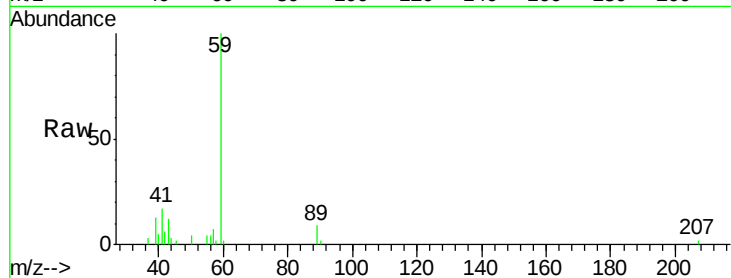
Tert butyl alcohol
Concen: 162.616 ug/l
RT: 5.22 min Scan# 561
Delta R.T. 0.00 min
Lab File: VD067740.D
Acq: 23 Nov 2020 12:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	4.2	3.4	5.0

Manual Integrations
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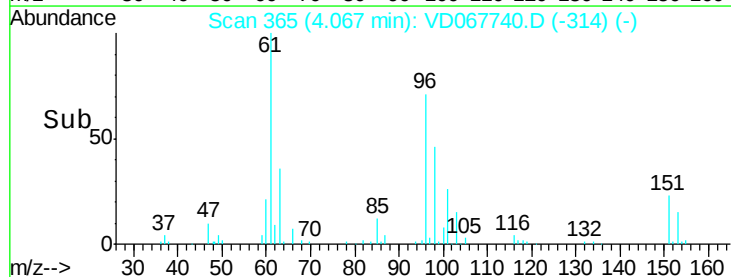
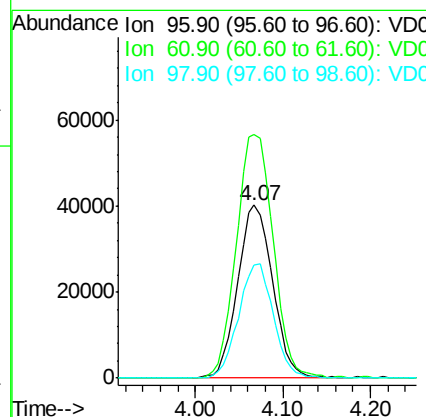
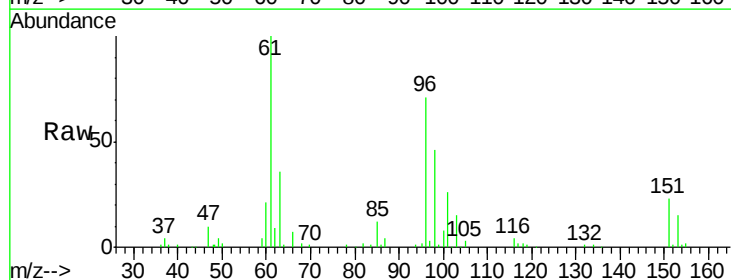
MMDadoda
11/24/2020 2:56:31 PM

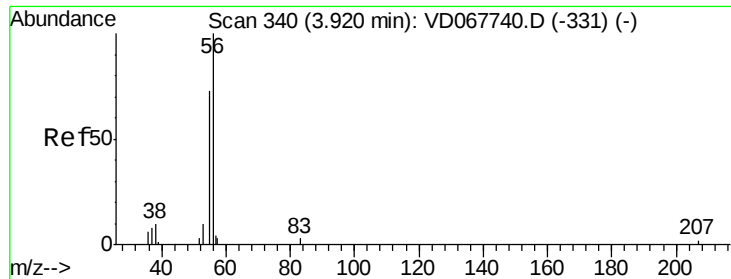


#12

1,1-Dichloroethene
Concen: 47.645 ug/l
RT: 4.07 min Scan# 365
Delta R.T. 0.00 min
Lab File: VD067740.D
Acq: 23 Nov 2020 12:17

Tgt Ion	Ratio	Lower	Upper
96	100		
61	141.1	112.9	169.3
98	65.5	52.4	78.6





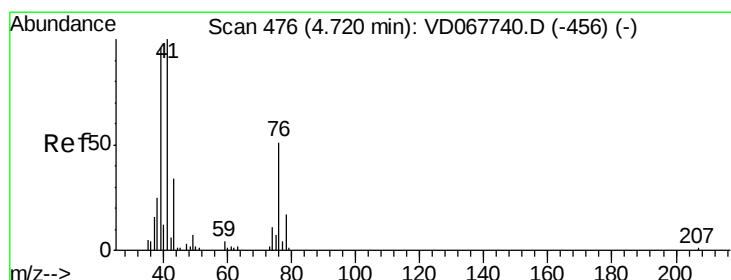
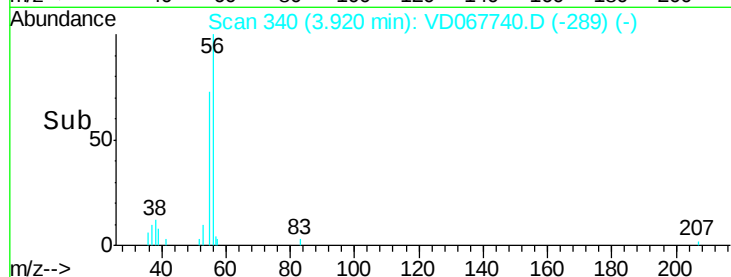
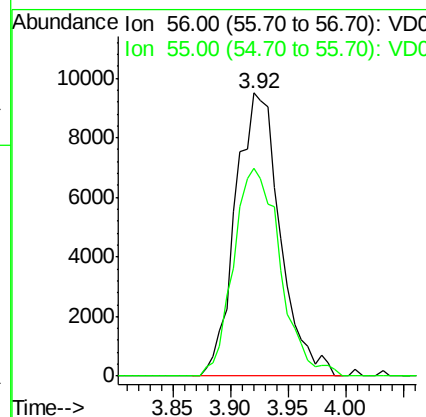
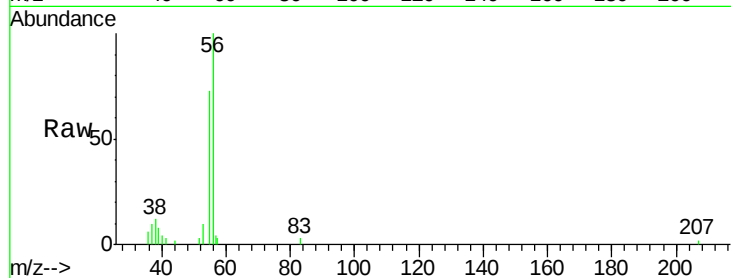
#13
Acrolein
Concen: 229.028 ug/l
RT: 3.92 min Scan# 340
Delta R.T. 0.00 min
Lab File: VD067740.D
Acq: 23 Nov 2020 12:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	76.5	61.2	91.8

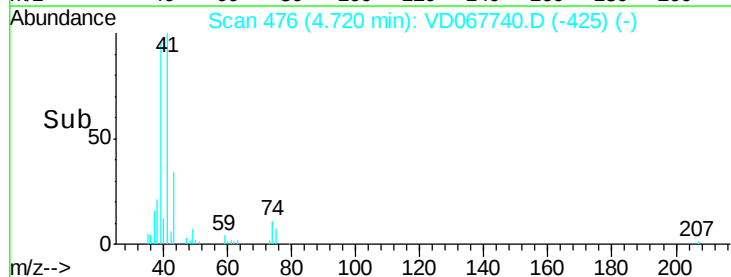
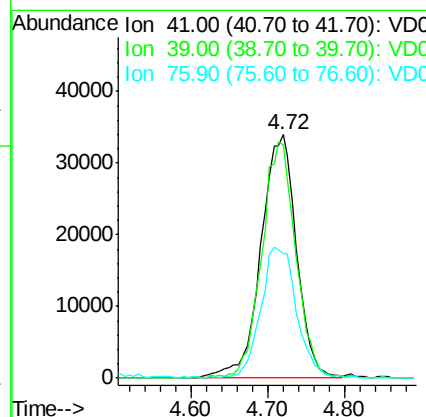
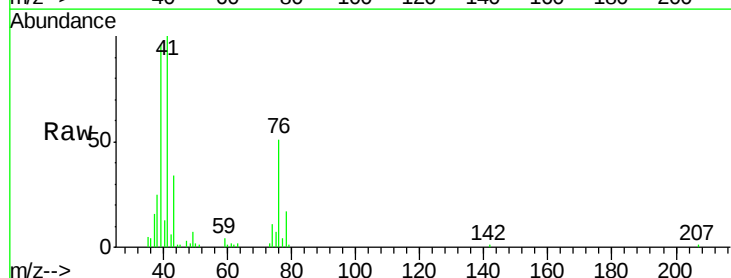
Manual Integrations
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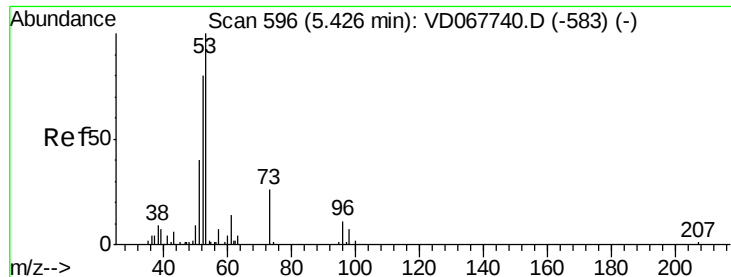
MMDadoda
11/24/2020 2:56:31 PM



#14
Allyl chloride
Concen: 49.711 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.00 min
Lab File: VD067740.D
Acq: 23 Nov 2020 12:17

Tgt Ion	Ratio	Lower	Upper
41	100		
39	93.2	74.6	111.8
76	54.1	43.3	64.9





#15

Acrylonitrile

Concen: 244.865 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.00 min

Lab File: VD067740.D

Acq: 23 Nov 2020 12:17

Instrument :

MSVOA_D

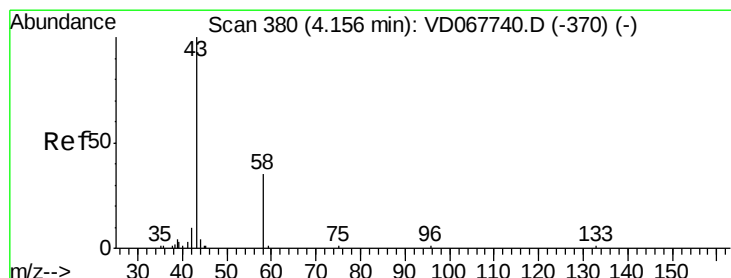
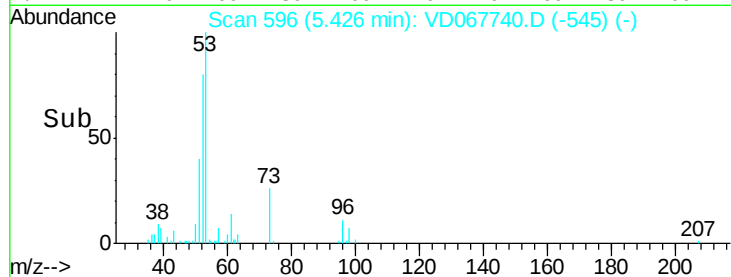
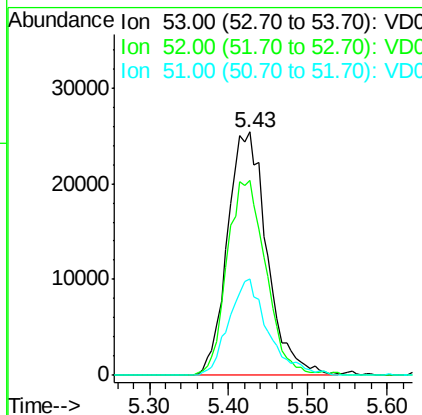
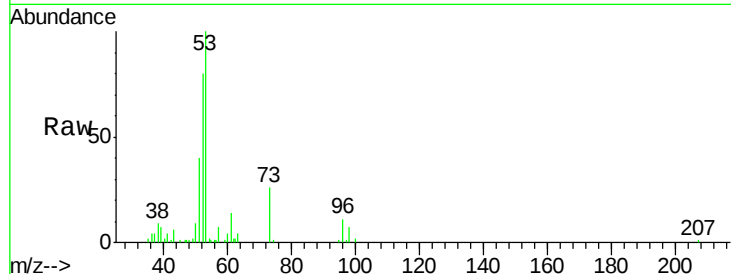
ClientSampleId :

VSTDICCC050

Tot Ion:	53	Resp:	87519
Ion	Ratio	Lower	Upper
53	100		
52	79.3	63.4	95.2
51	39.3	31.4	47.2

Manual Integrations
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#16

Acetone

Concen: 237.660 ug/l

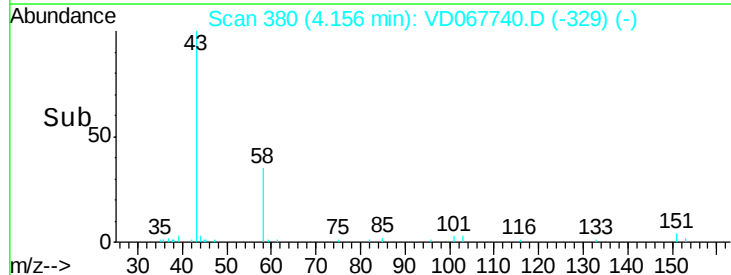
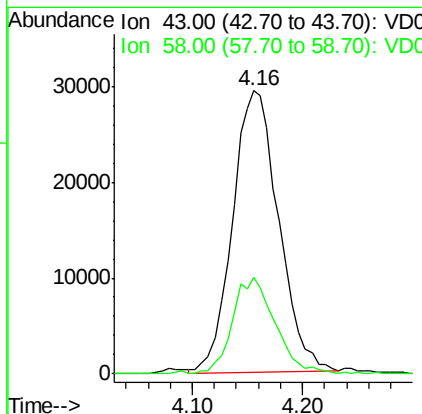
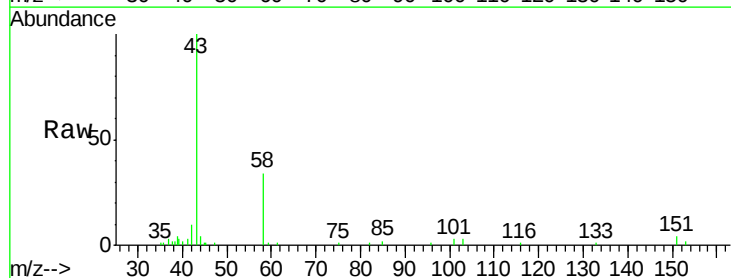
RT: 4.16 min Scan# 380

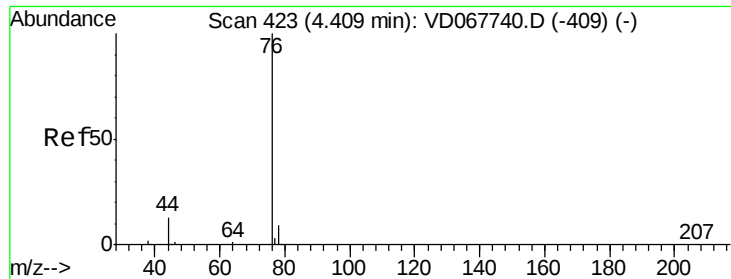
Delta R.T. 0.00 min

Lab File: VD067740.D

Acq: 23 Nov 2020 12:17

Tgt Ion:	43	Resp:	85446
Ion	Ratio	Lower	Upper
43	100		
58	34.5	27.6	41.4





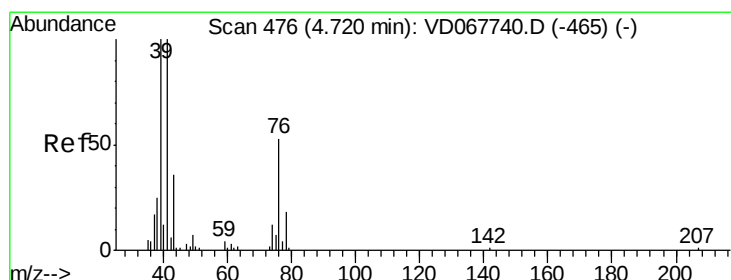
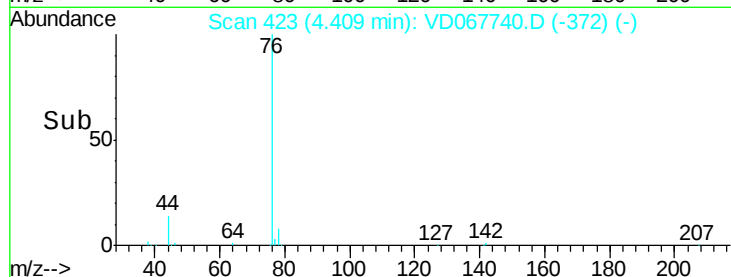
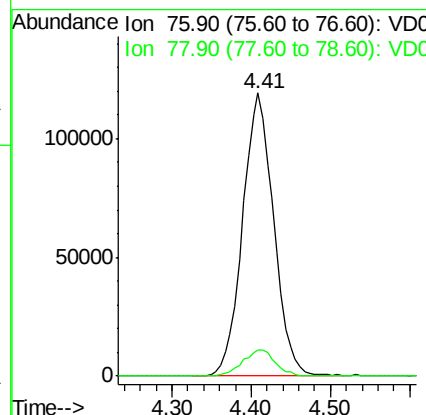
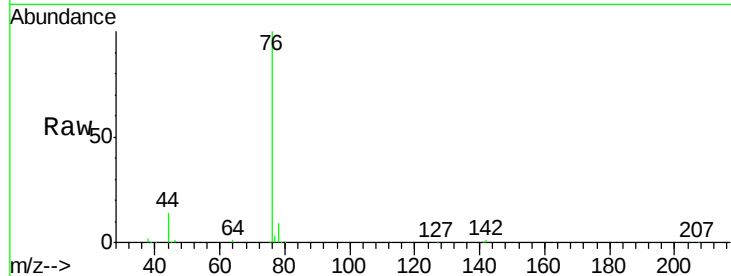
#17
Carbon Disulfide
Concen: 48.432 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD067740.D
Acq: 23 Nov 2020 12:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
76	100	324989		
78	9.4		7.5	11.3

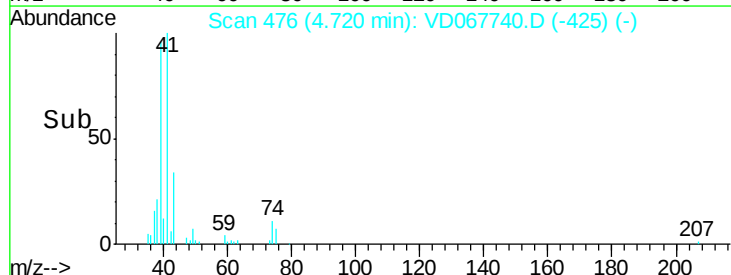
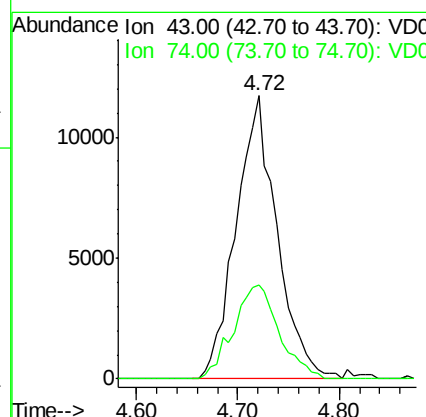
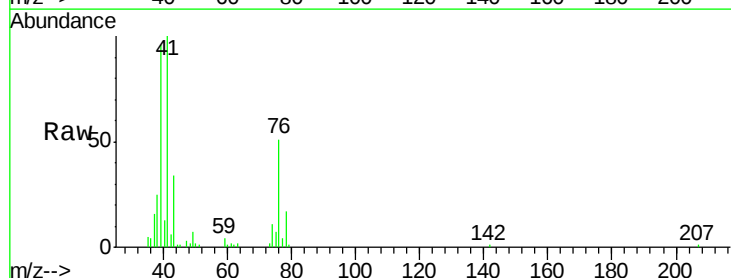
Manual Integrations
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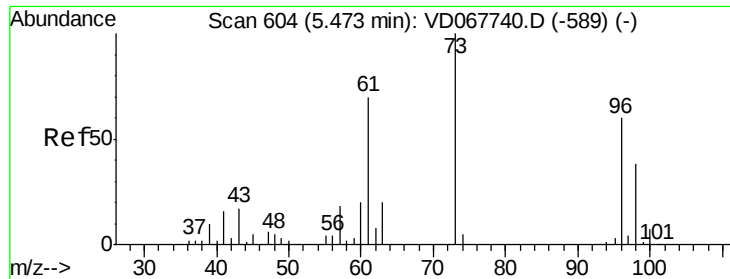
MMDadoda
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#18
Methyl Acetate
Concen: 47.292 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.00 min
Lab File: VD067740.D
Acq: 23 Nov 2020 12:17

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	32813		
74	37.1		29.7	44.5





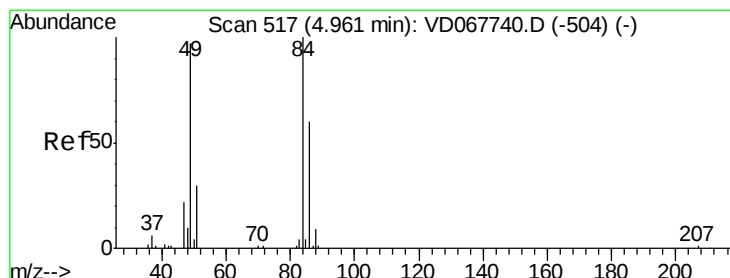
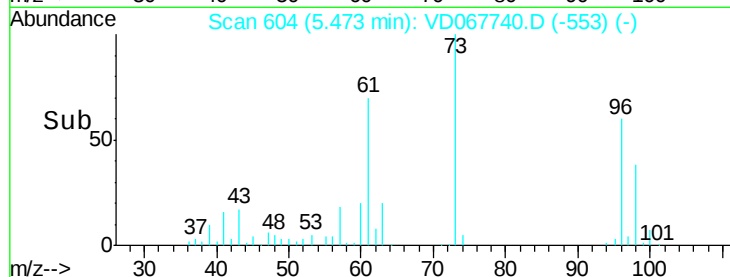
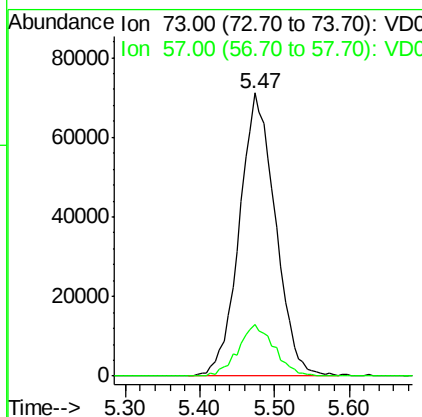
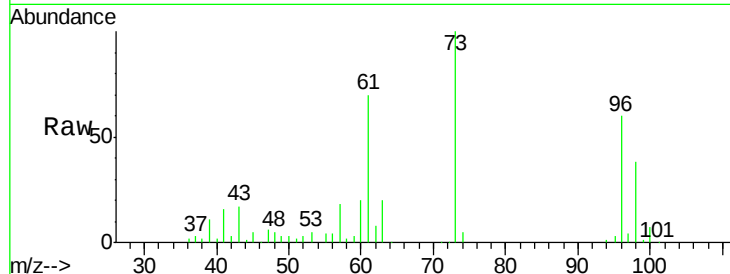
#19
Methyl tert-butyl Ether
Concen: 48.557 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.00 min
Lab File: VD067740.D
Acq: 23 Nov 2020 12:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ion	Ratio	Lower	Upper
73	73	100		
57	57	18.5	14.8	22.2

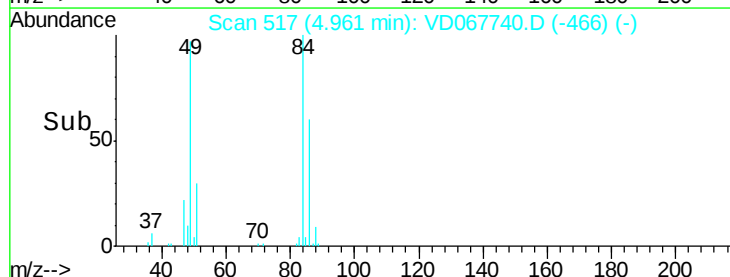
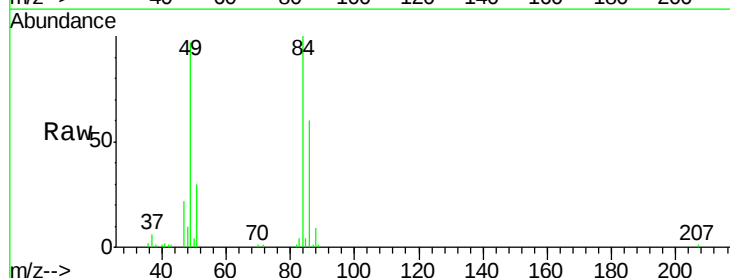
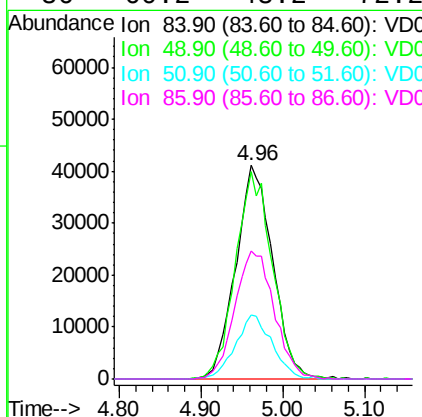
Manual Integrations
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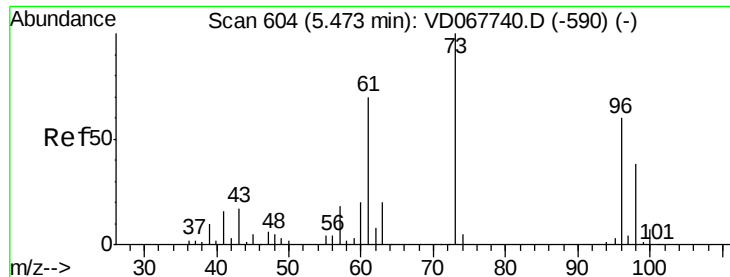
MMDadoda
11/24/2020 2:56:31 PM



#20
Methylene Chloride
Concen: 36.316 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD067740.D
Acq: 23 Nov 2020 12:17

Tgt Ion	Ion	Ratio	Lower	Upper
84	84	100		
49	49	96.8	77.4	116.2
51	51	30.1	24.1	36.1
86	86	60.2	48.2	72.2





#21

trans-1,2-Dichloroethene

Concen: 48.631 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD067740.D

Acq: 23 Nov 2020 12:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 96 Resp: 124639

Ion Ratio Lower Upper

96 100

61 117.5 94.0 141.0

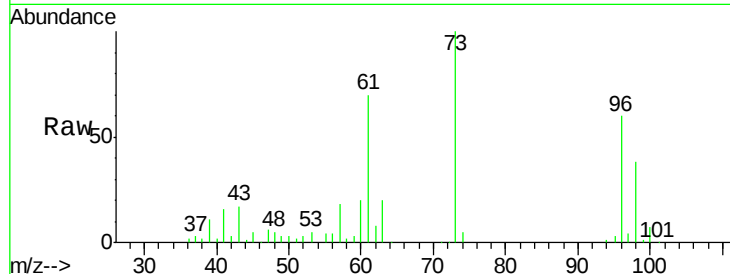
98 64.1 51.3 76.9

Manual Integrations

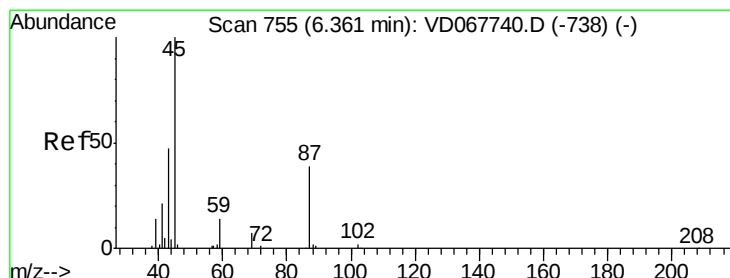
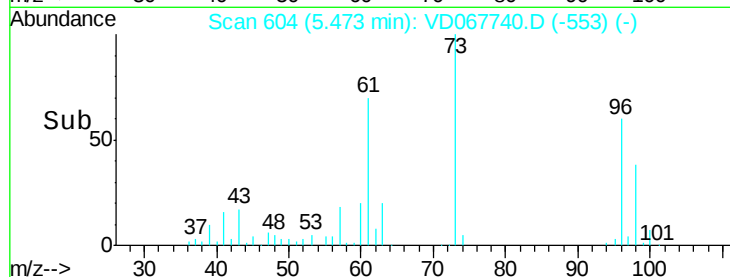
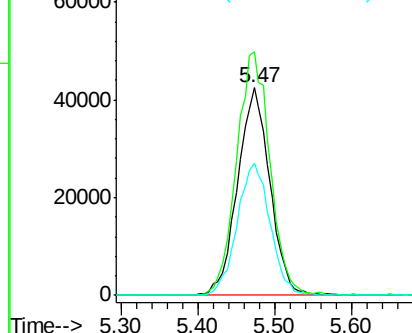
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Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 51.223 ug/l

RT: 6.36 min Scan# 755

Delta R.T. 0.00 min

Lab File: VD067740.D

Acq: 23 Nov 2020 12:17

Tgt Ion: 45 Resp: 221797

Ion Ratio Lower Upper

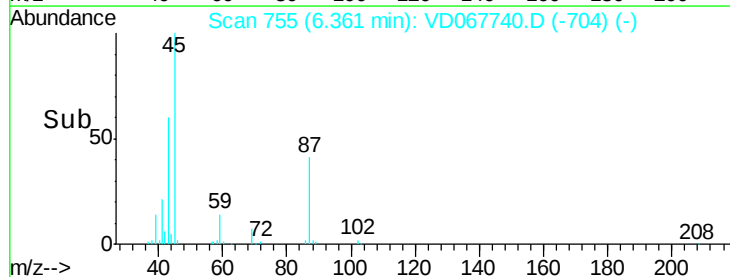
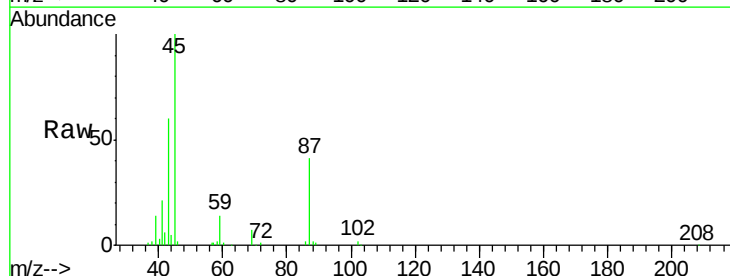
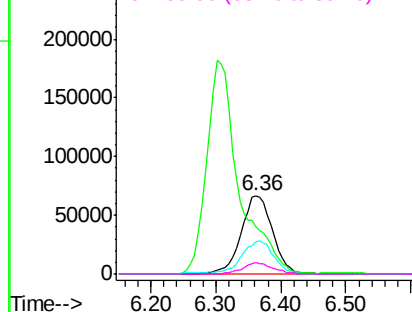
45 100

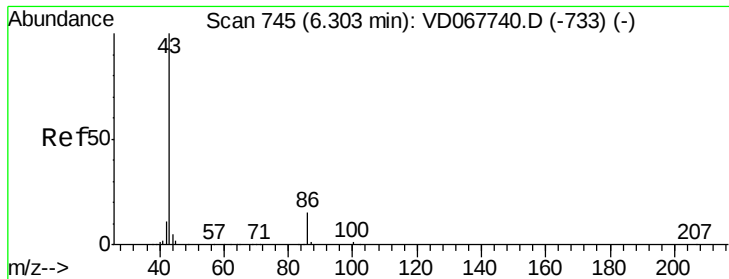
43 58.5 46.8 70.2

87 41.1 32.9 49.3

59 14.0 11.2 16.8

Abundance Ion 45.00 (44.70 to 45.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 255.855 ug/l

RT: 6.30 min Scan# 745

Delta R.T. 0.00 min

Lab File: VD067740.D

Acq: 23 Nov 2020 12:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 629069

Ion Ratio Lower Upper

43 100

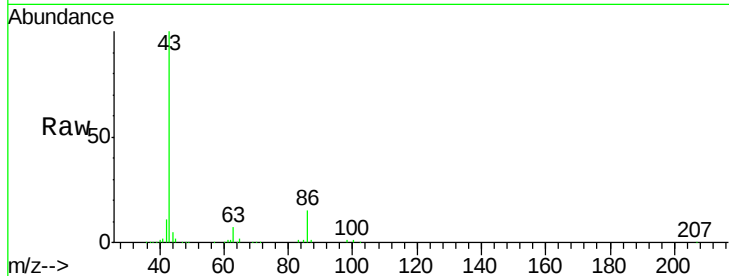
86 14.6 11.7 17.5

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.30

200000

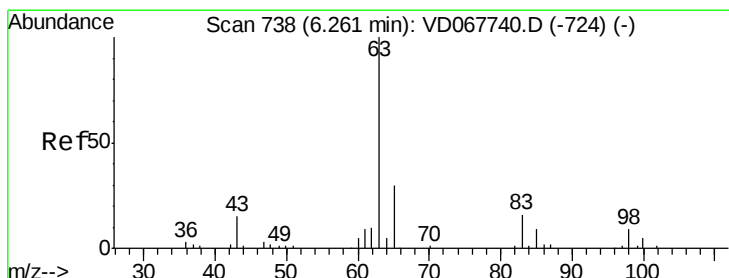
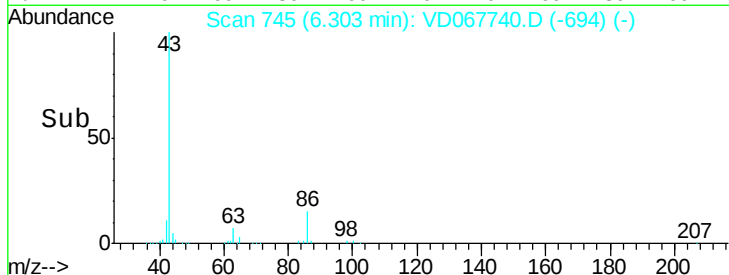
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 48.522 ug/l

RT: 6.26 min Scan# 738

Delta R.T. 0.00 min

Lab File: VD067740.D

Acq: 23 Nov 2020 12:17

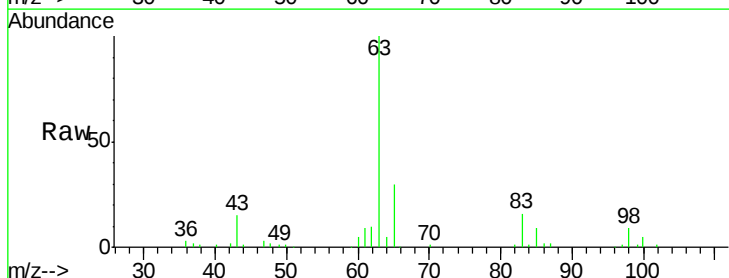
Tgt Ion: 63 Resp: 181821

Ion Ratio Lower Upper

63 100

98 8.8 4.4 13.2

100 5.3 2.6 8.0



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

6.26

80000

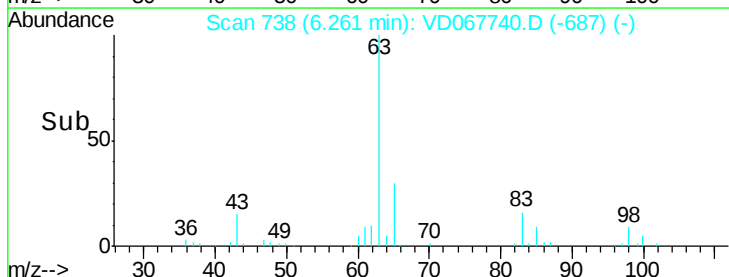
60000

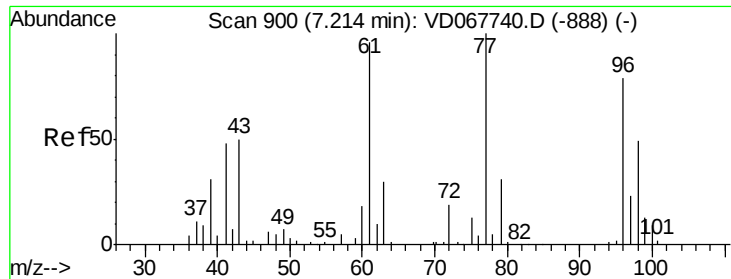
40000

20000

0

Time-->





#25

2-Butanone

Concen: 237.198 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD067740.D

Acq: 23 Nov 2020 12:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 91053

Ion Ratio Lower Upper

43 100

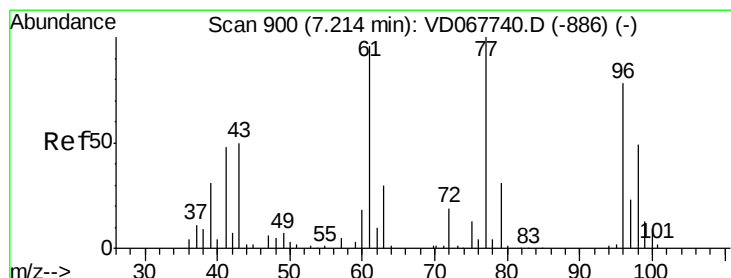
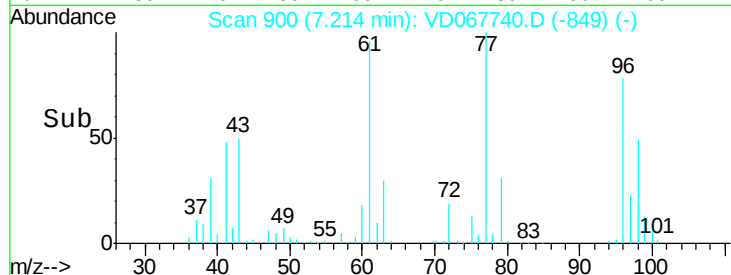
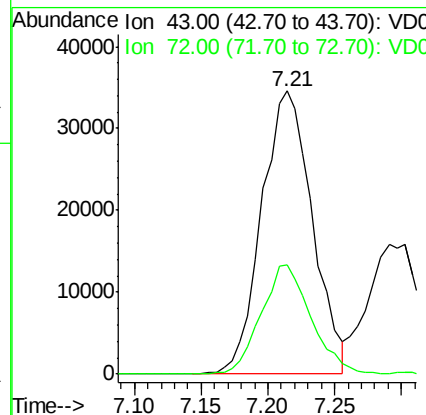
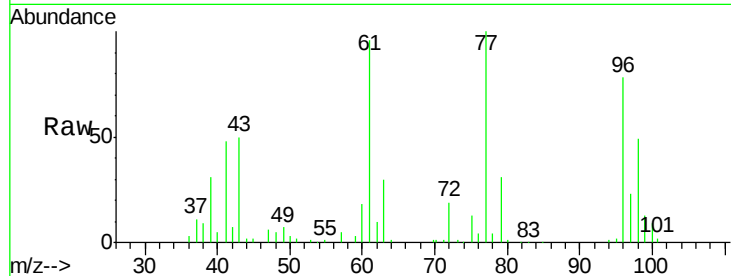
72 38.5 30.8 46.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 47.380 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD067740.D

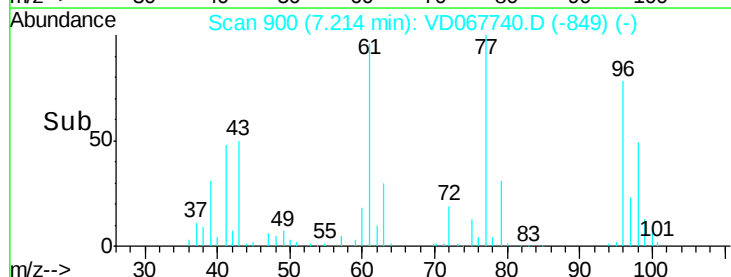
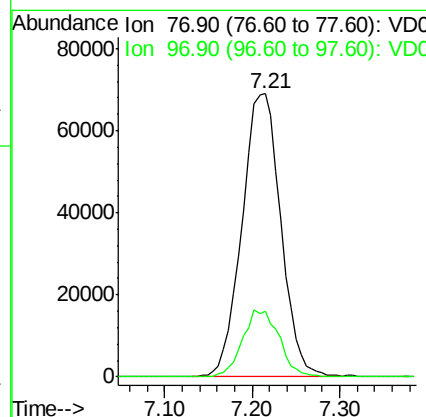
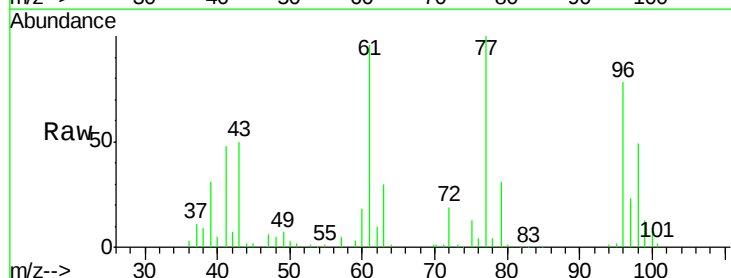
Acq: 23 Nov 2020 12:17

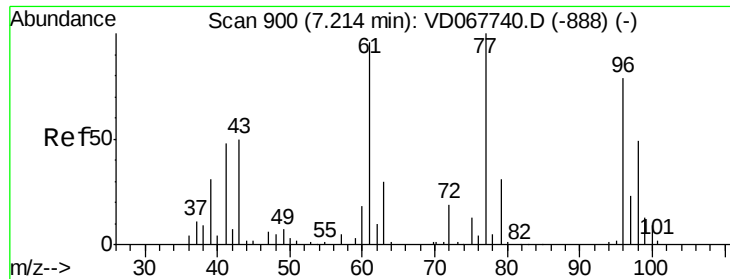
Tgt Ion: 77 Resp: 207880

Ion Ratio Lower Upper

77 100

97 22.2 11.1 33.3





#27

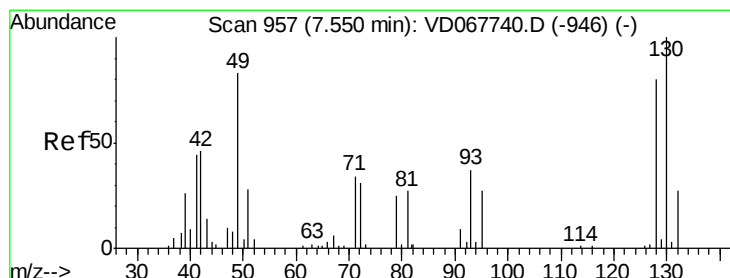
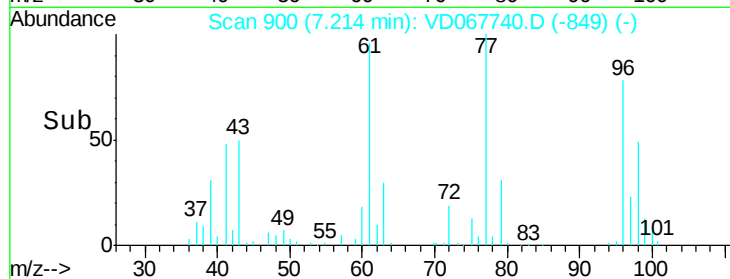
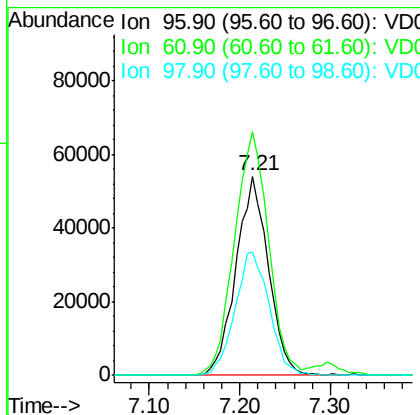
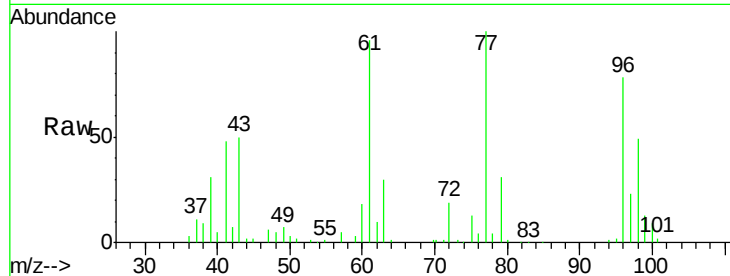
cis-1,2-Dichloroethene
Concen: 48.428 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD067740.D
Acq: 23 Nov 2020 12:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	129.0	0.0	258.0
98	65.9	0.0	131.8

Manual Integrations
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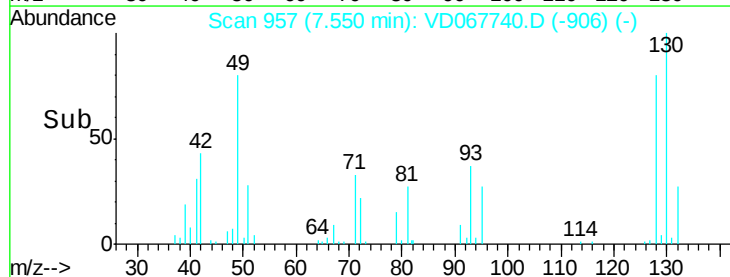
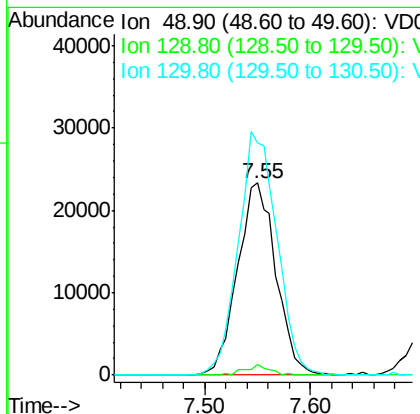
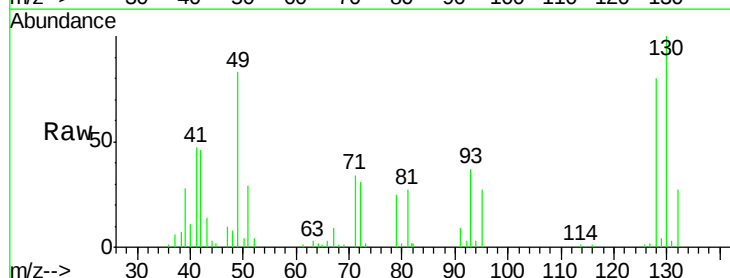
MMDadoda
11/24/2020 2:56:31 PM

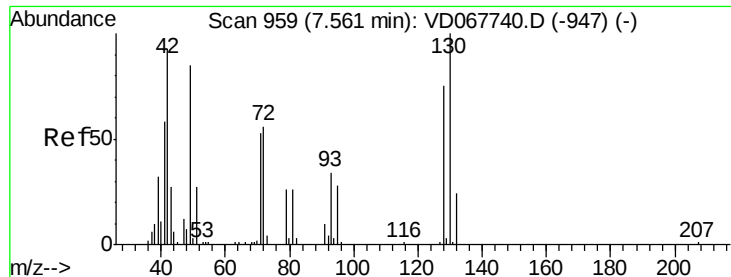


#28

Bromochloromethane
Concen: 49.090 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD067740.D
Acq: 23 Nov 2020 12:17

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.5	0.0	7.0
130	127.8	102.2	153.4





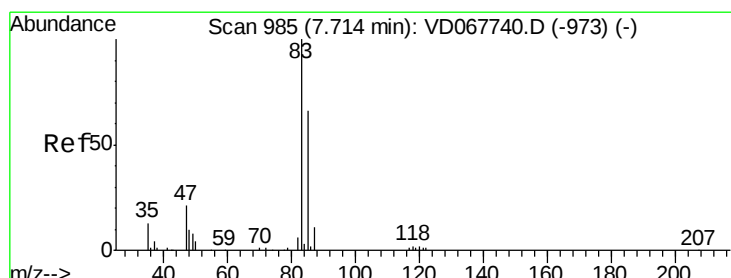
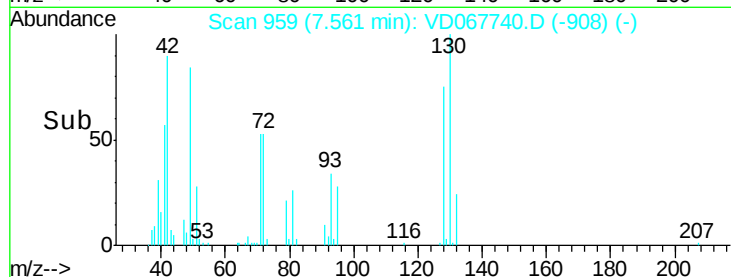
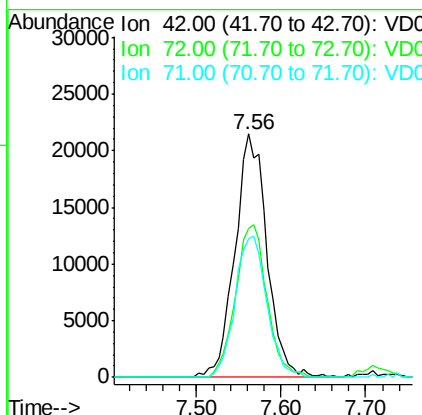
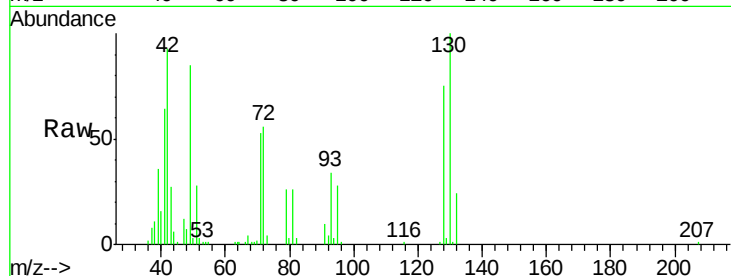
#29
Tetrahydrofuran
Concen: 249.769 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.00 min
Lab File: VD067740.D
Acq: 23 Nov 2020 12:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	61.6	49.3	73.9
71	57.4	45.9	68.9

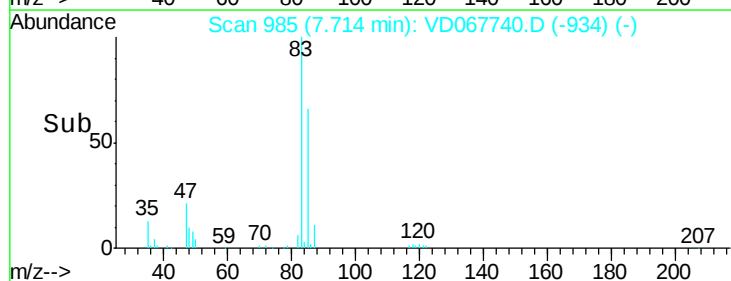
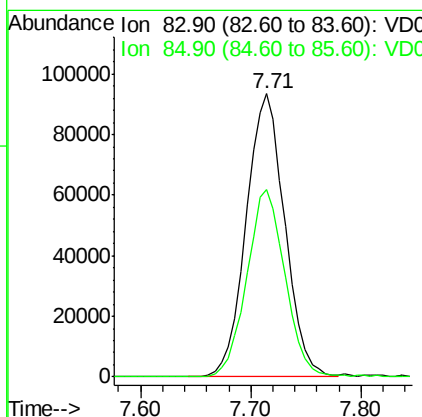
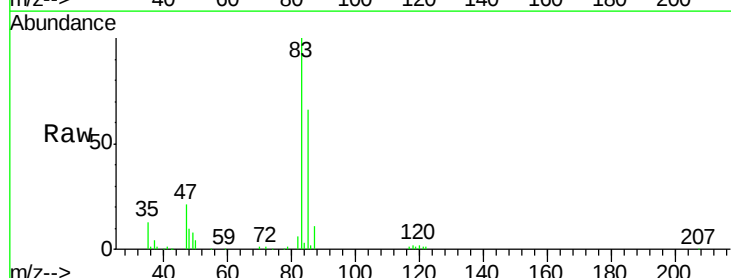
Manual Integrations
APPROVED

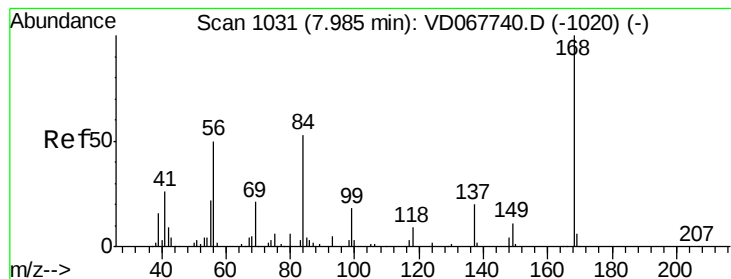
MMDadoda
11/24/2020 2:56:31 PM



#30
Chloroform
Concen: 47.122 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD067740.D
Acq: 23 Nov 2020 12:17

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.4	53.1	79.7





#31

Cyclohexane

Concen: 47.081 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067740.D

Acq: 23 Nov 2020 12:17

Instrument :

MSVOA_D

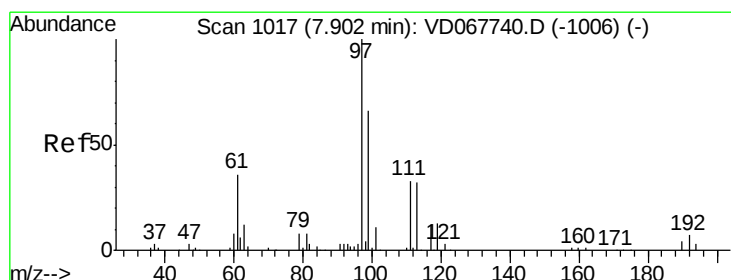
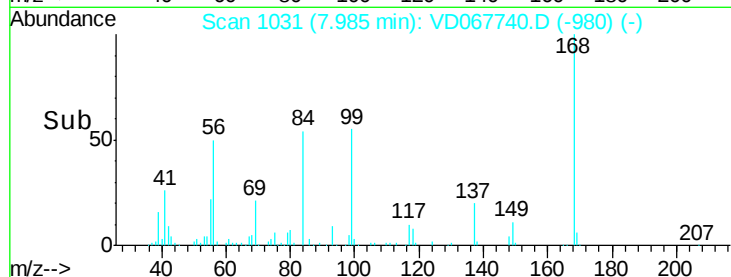
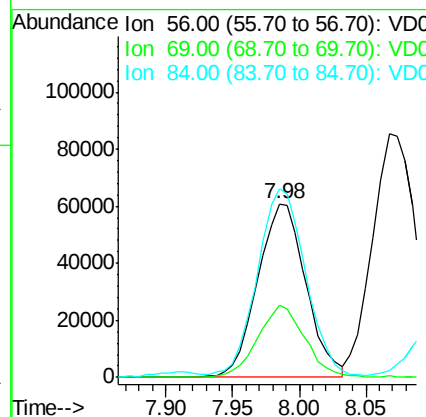
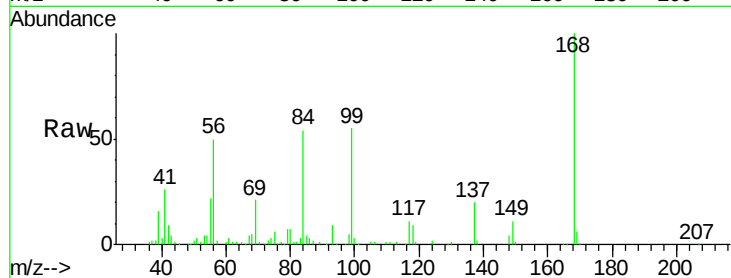
ClientSampleId :

VSTDICCC050

Tot Ion:	56	Resp:	152541
Ion Ratio	Lower	Upper	
56	100		
69	41.5	33.2	49.8
84	106.0	84.8	127.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 47.412 ug/l

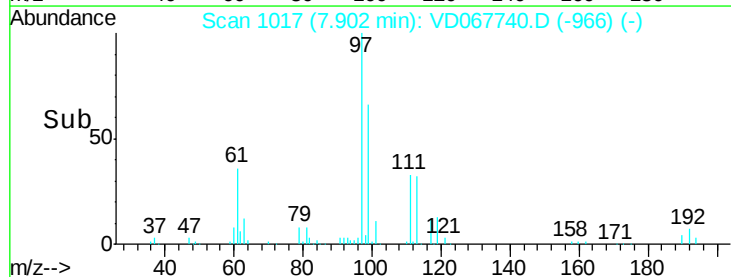
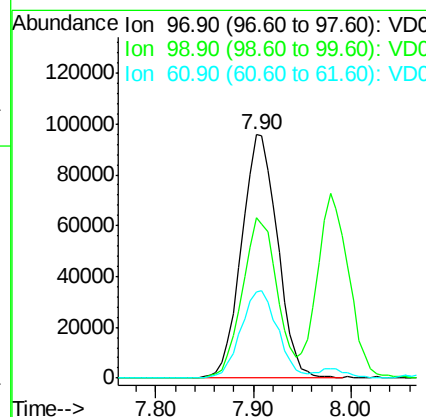
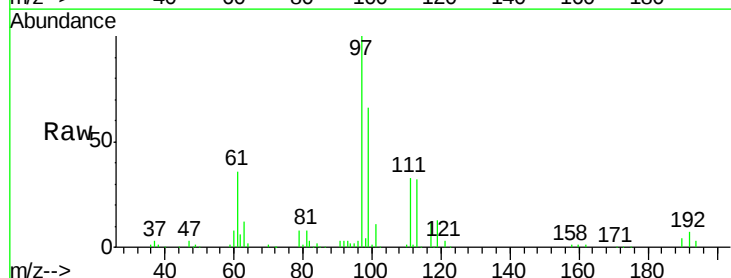
RT: 7.90 min Scan# 1017

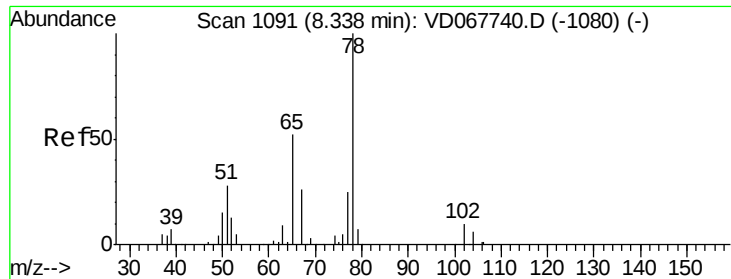
Delta R.T. 0.00 min

Lab File: VD067740.D

Acq: 23 Nov 2020 12:17

Tgt Ion:	97	Resp:	245503
Ion Ratio	Lower	Upper	
97	100		
99	63.9	51.1	76.7
61	36.8	29.4	44.2





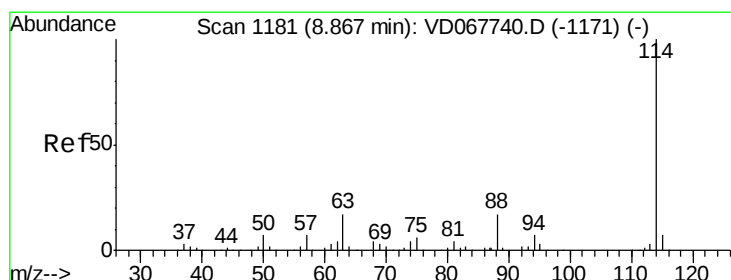
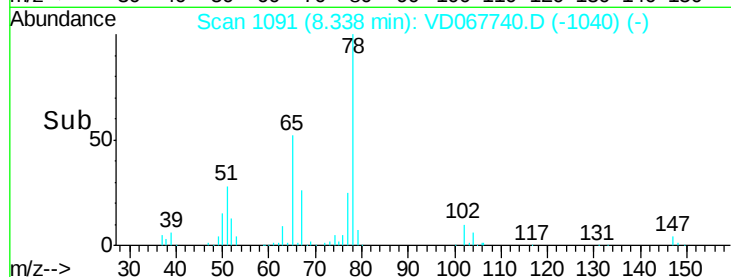
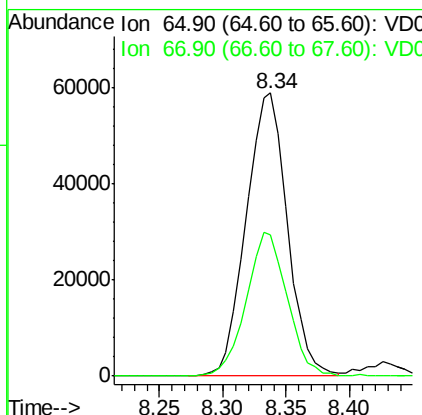
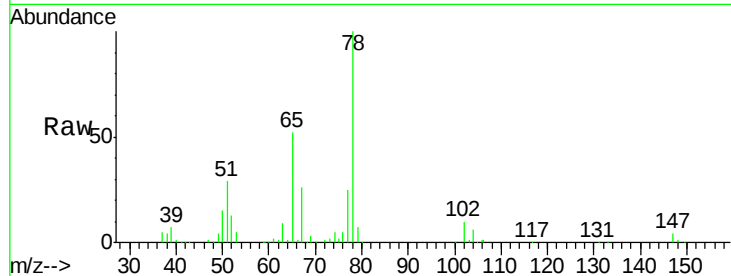
#33
 1,2-Dichloroethane-d4
 Concen: 49.076 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD067740.D
 Acq: 23 Nov 2020 12:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion: 65 Resp: 133201
 Ion Ratio Lower Upper
 65 100
 67 50.5 0.0 101.0

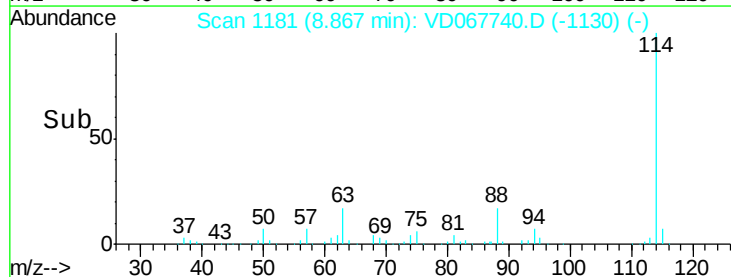
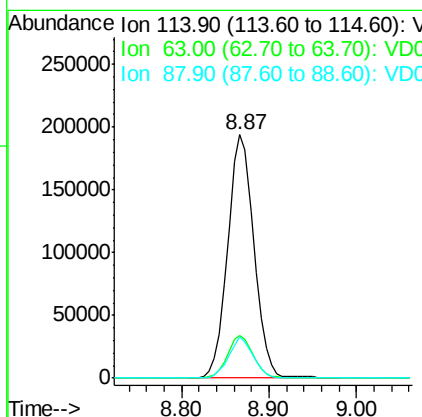
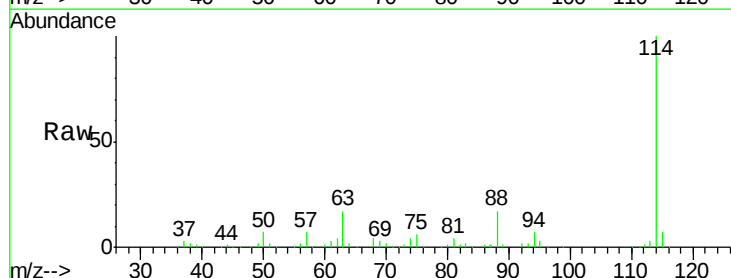
Manual Integrations
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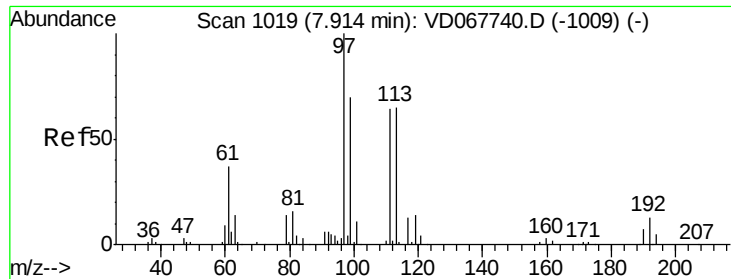
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 11/24/2020 2:56:31 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD067740.D
 Acq: 23 Nov 2020 12:17

Tgt Ion: 114 Resp: 393443
 Ion Ratio Lower Upper
 114 100
 63 17.4 0.0 34.8
 88 17.2 0.0 34.4





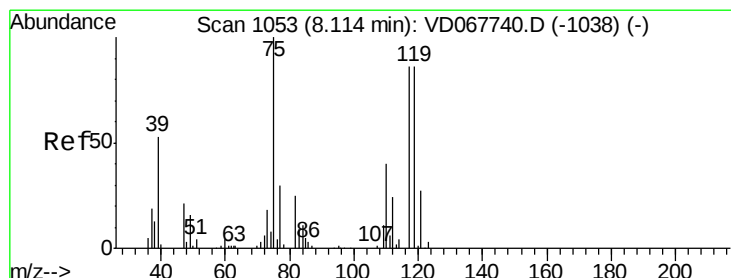
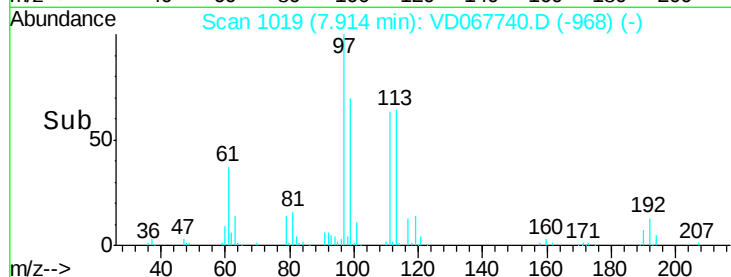
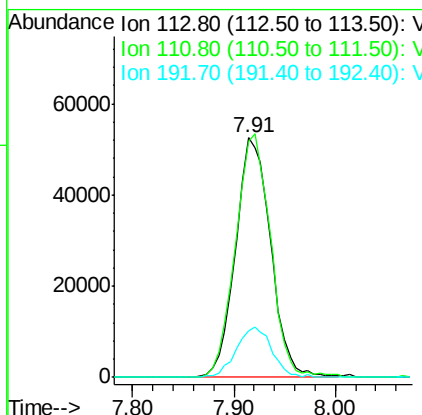
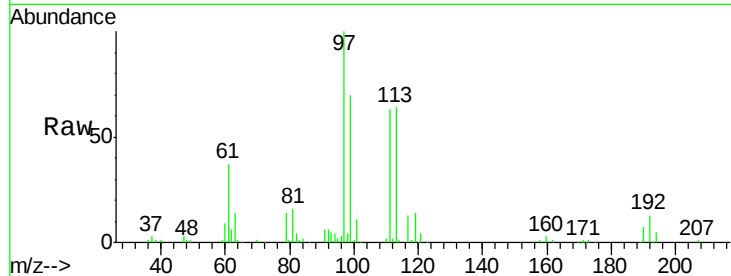
#35
Dibromofluoromethane
Concen: 50.208 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VD067740.D
Acq: 23 Nov 2020 12:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	126465		
111	101.7	81.4	122.0	
192	21.2	17.0	25.4	

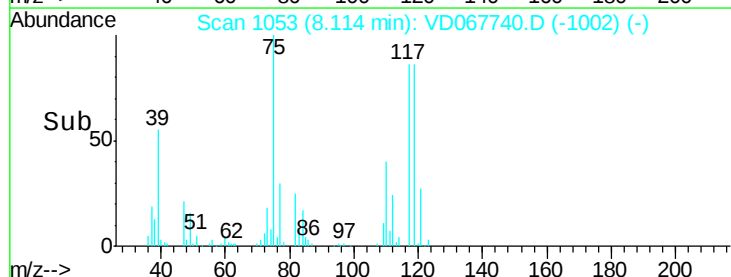
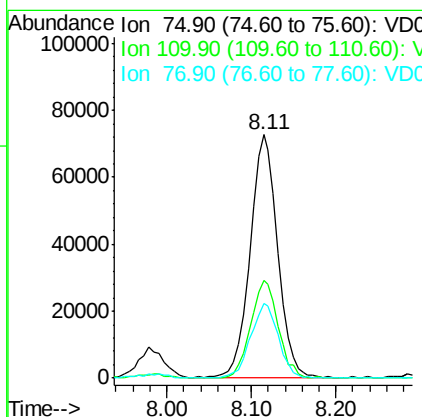
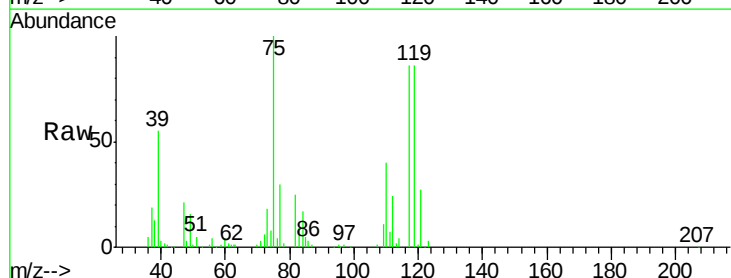
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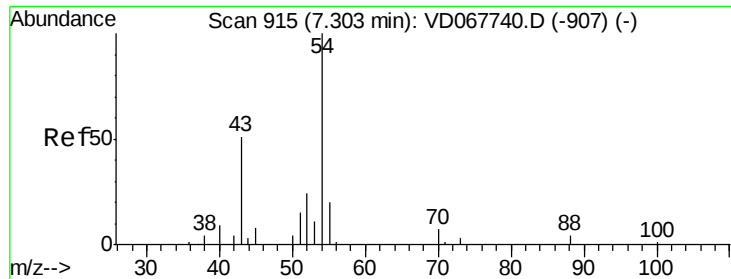
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#36
1,1-Dichloropropene
Concen: 48.819 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VD067740.D
Acq: 23 Nov 2020 12:17

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	166281		
110	40.1	20.1	60.2	
77	31.0	24.8	37.2	





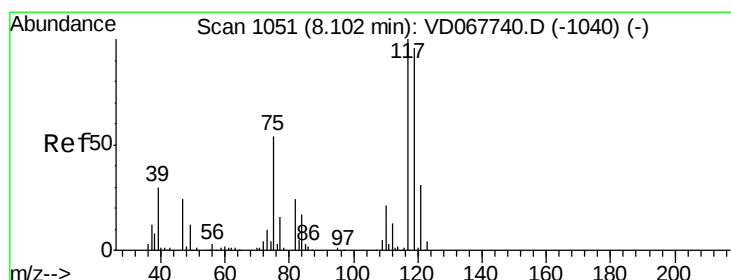
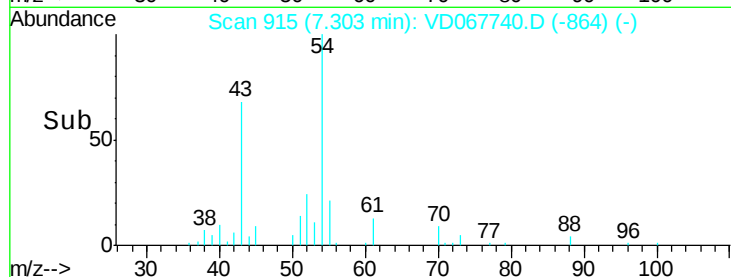
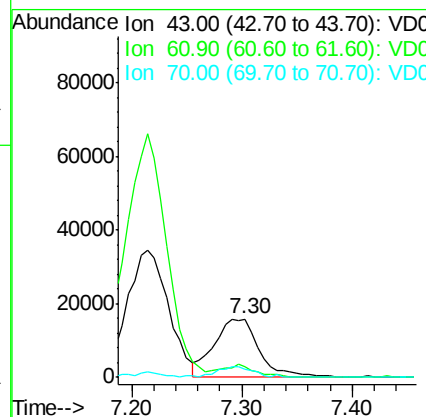
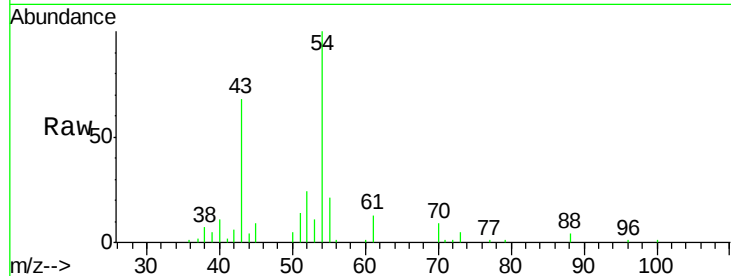
#37
Ethyl Acetate
Concen: 50.424 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD067740.D
Acq: 23 Nov 2020 12:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.1	12.9	19.3
70	15.2	12.2	18.2

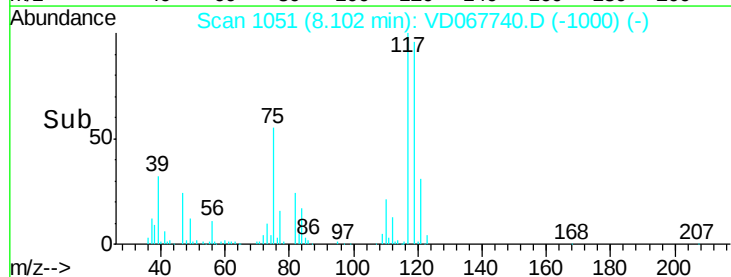
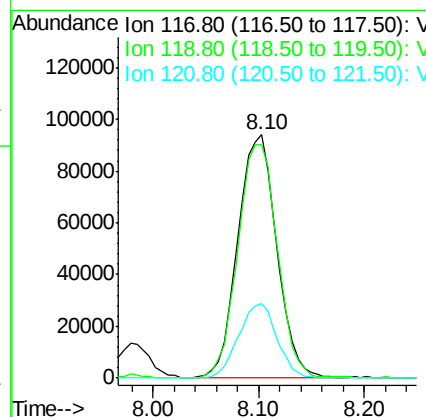
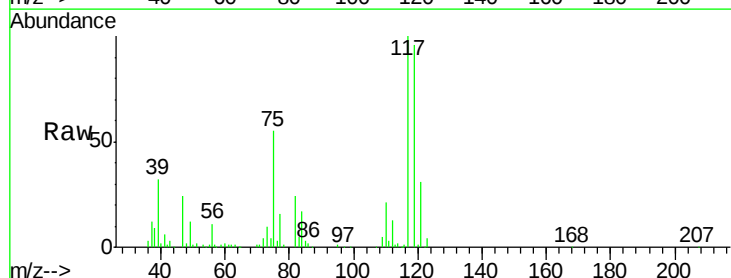
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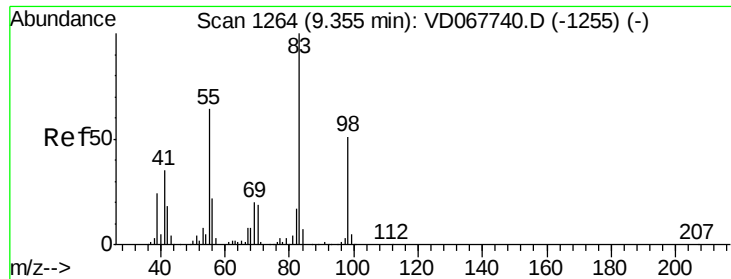
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#38
Carbon Tetrachloride
Concen: 48.177 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VD067740.D
Acq: 23 Nov 2020 12:17

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.8	76.6	115.0
121	30.6	24.5	36.7





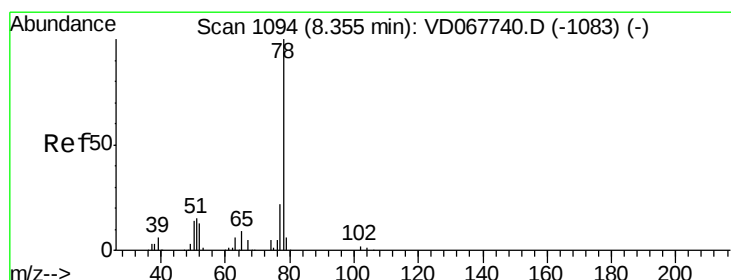
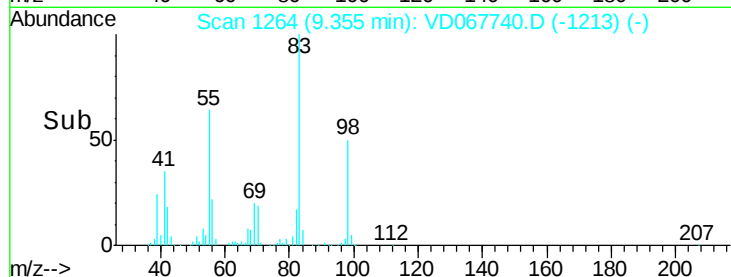
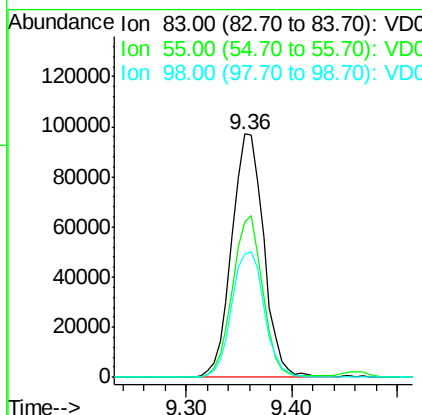
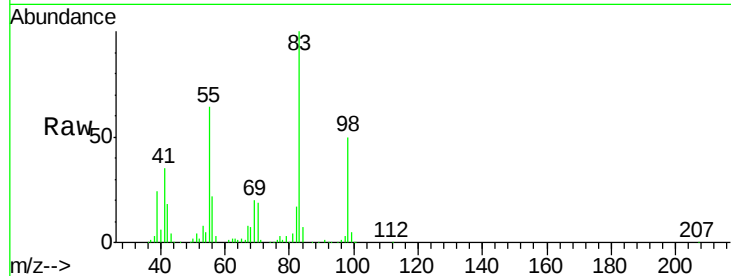
#39
Methvlcvclohexane
Concen: 50.377 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD067740.D
Acq: 23 Nov 2020 12:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	63.7	51.0	76.4
98	50.5	40.4	60.6

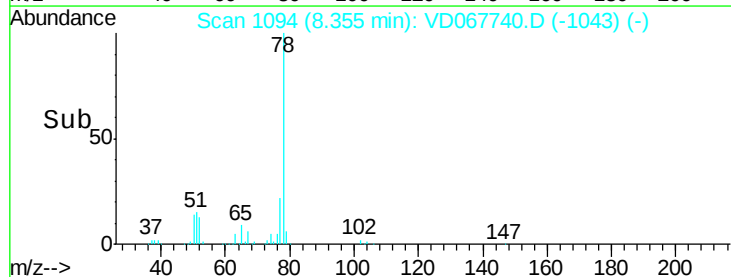
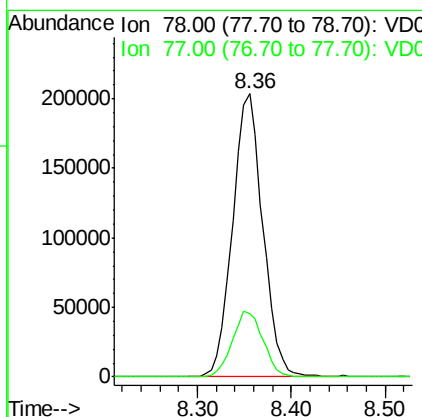
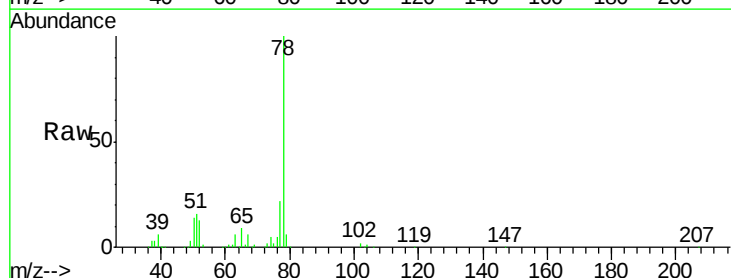
Manual Integrations
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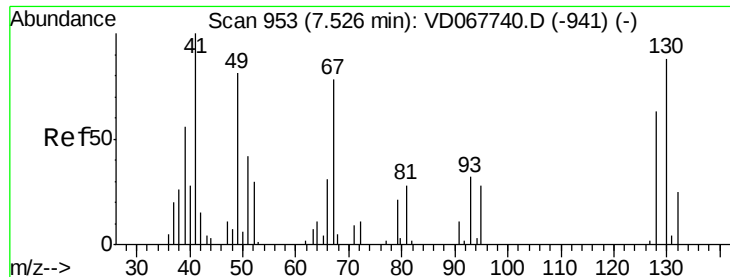
MMDadoda
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#40
Benzene
Concen: 48.375 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD067740.D
Acq: 23 Nov 2020 12:17

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.2	17.8	26.6





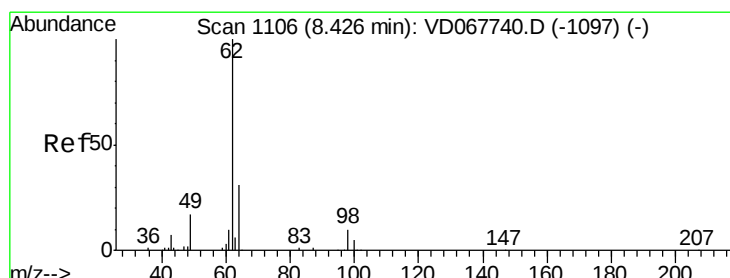
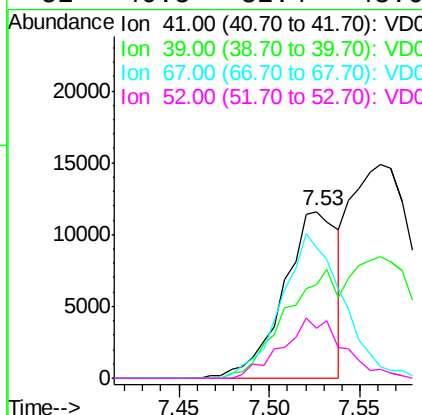
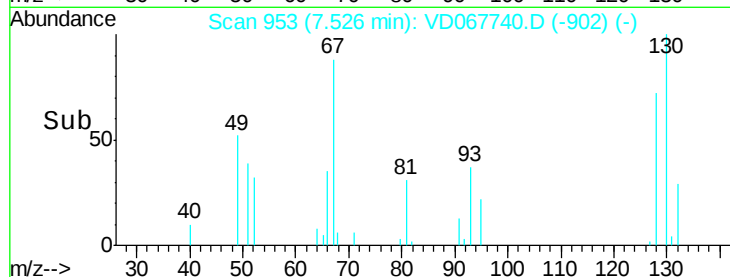
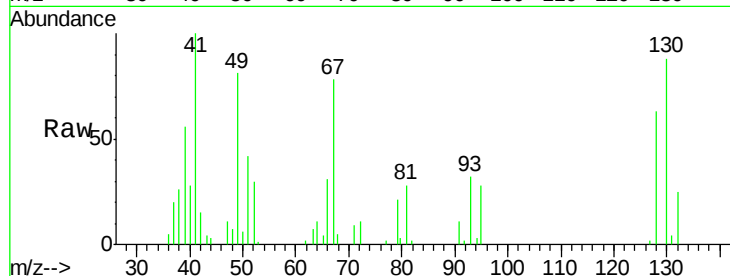
#41
Methacrylonitrile
Concen: 58.208 ug/l
RT: 7.53 min Scan# 953
Delta R.T. 0.00 min
Lab File: VD067740.D
Acq: 23 Nov 2020 12:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	62.8	50.2	75.4
67	98.8	79.0	118.6
52	40.5	32.4	48.6

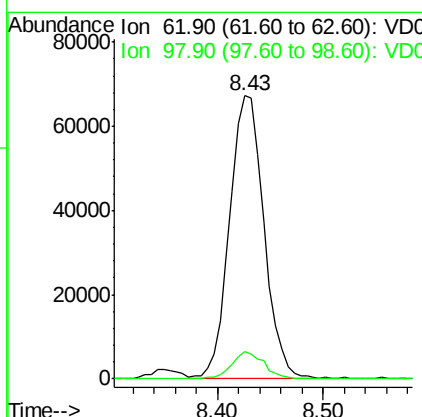
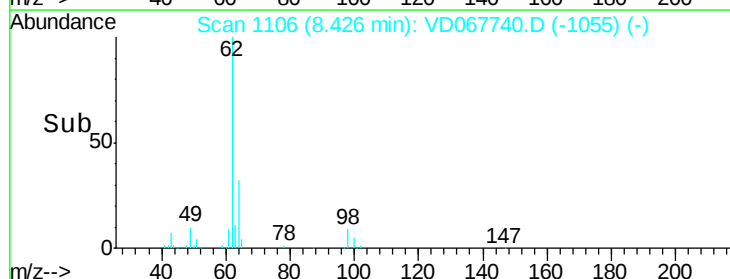
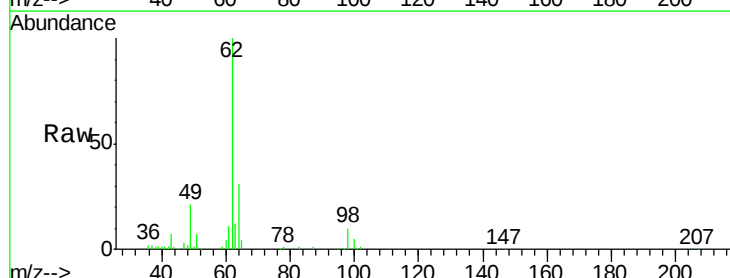
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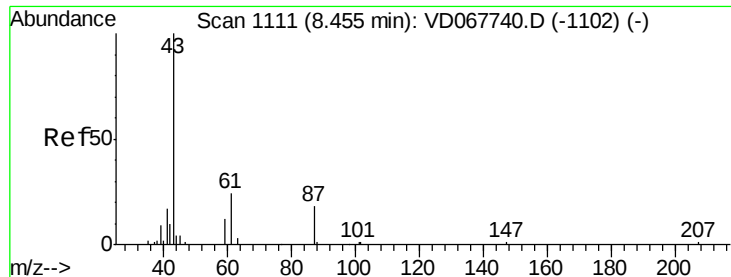
MMDadoda
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#42
1,2-Dichloroethane
Concen: 47.758 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD067740.D
Acq: 23 Nov 2020 12:17

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.2





#43

Isopropyl Acetate

Concen: 49.017 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD067740.D

Acq: 23 Nov 2020 12:17

Instrument :

MSVOA_D

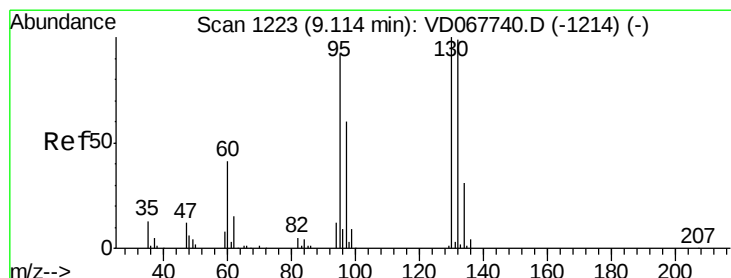
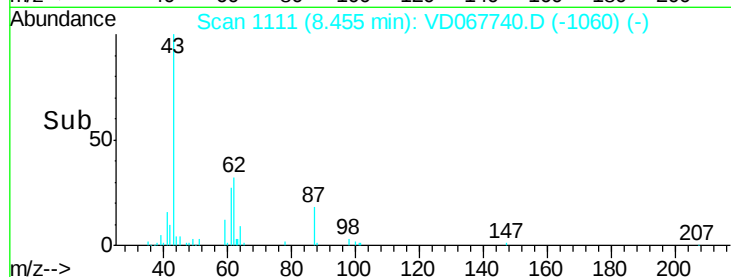
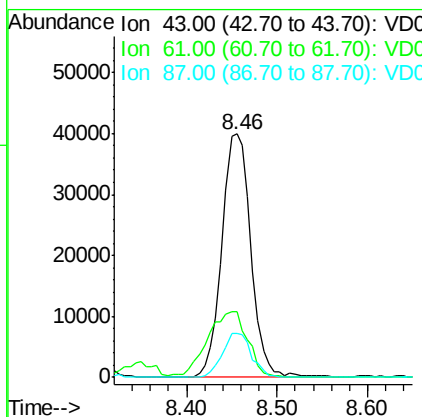
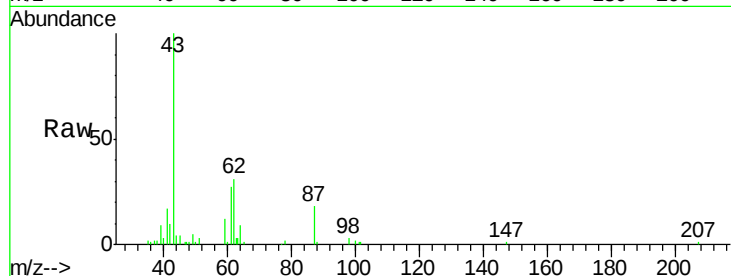
ClientSampleId :

VSTDICCC050

Tot Ion:	43	Resp:	88743
Ion	Ratio	Lower	Upper
43	100		
61	37.8	30.2	45.4
87	17.8	14.2	21.4

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#44

Trichloroethene

Concen: 47.724 ug/l

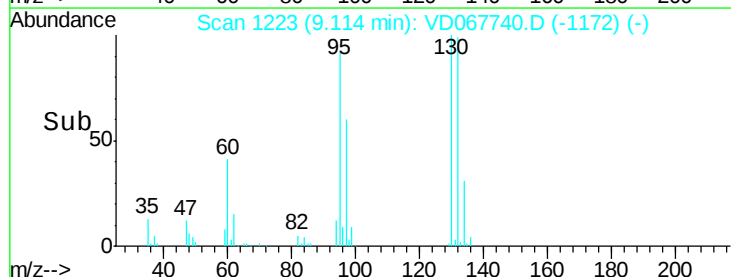
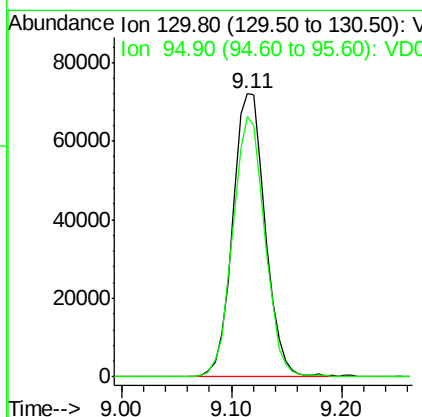
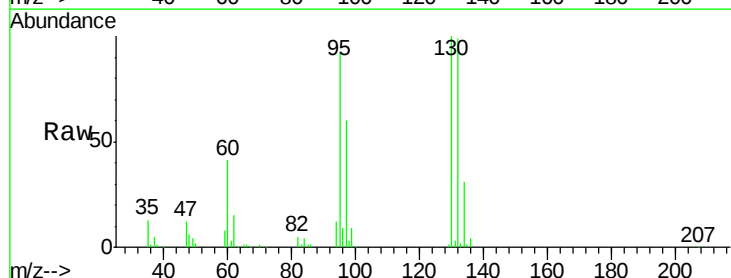
RT: 9.11 min Scan# 1223

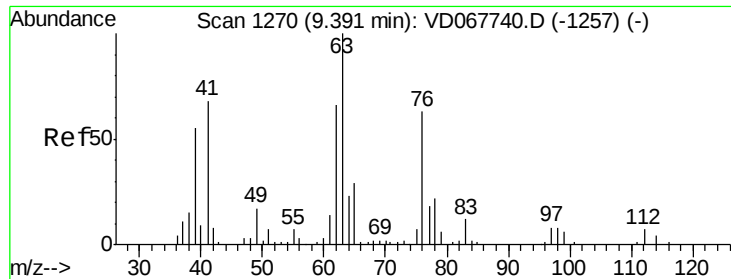
Delta R.T. 0.00 min

Lab File: VD067740.D

Acq: 23 Nov 2020 12:17

Tgt Ion:	130	Resp:	149460
Ion	Ratio	Lower	Upper
130	100		
95	92.1	0.0	184.2





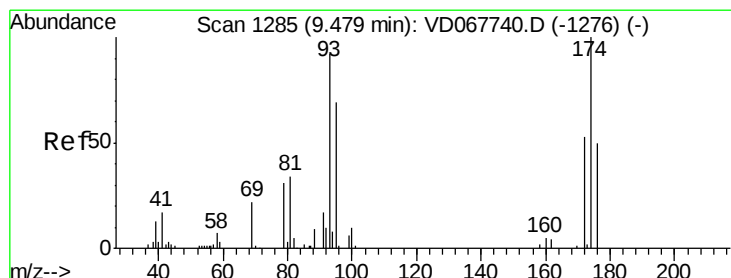
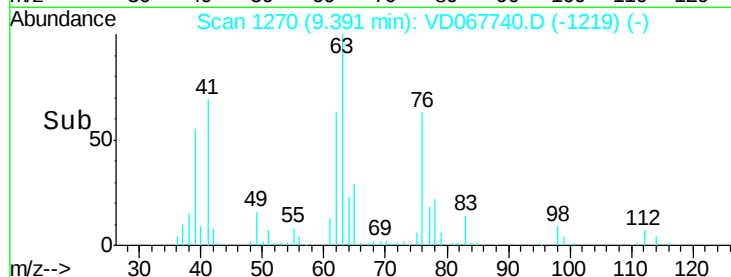
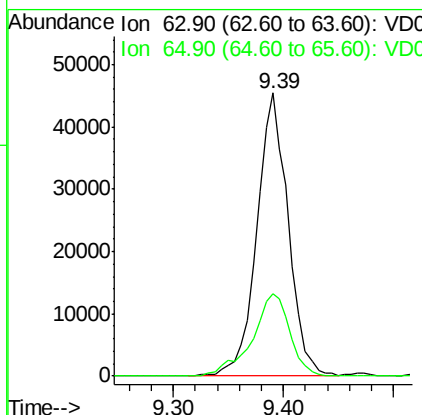
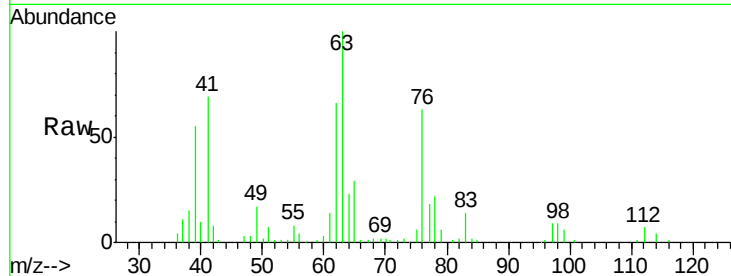
#45
 1,2-Dichloropropane
 Concen: 47.279 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD067740.D
 Acq: 23 Nov 2020 12:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion: 63 Resp: 90298
 Ion Ratio Lower Upper
 63 100
 65 28.9 23.1 34.7

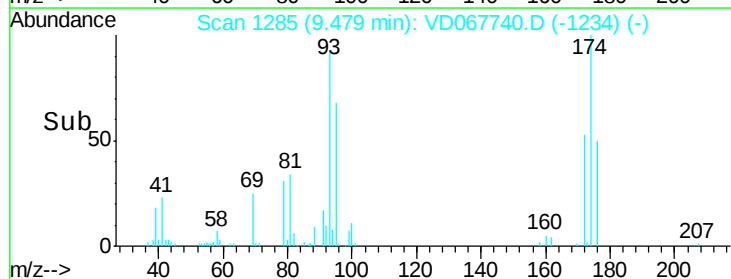
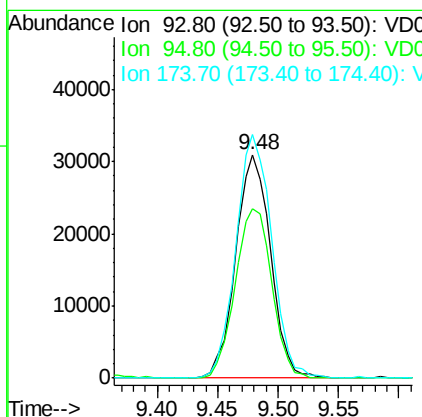
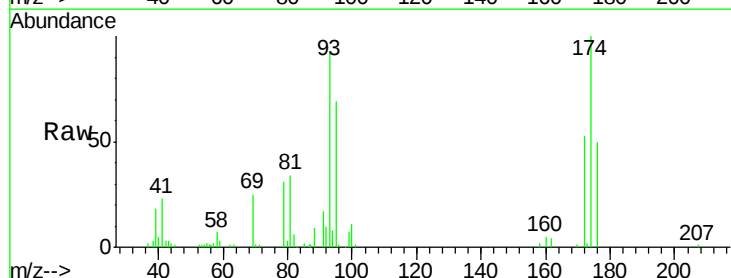
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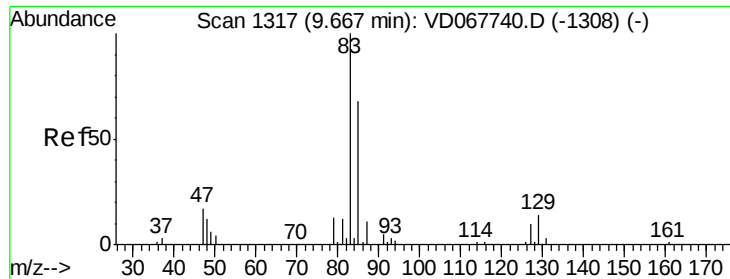
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#46
 Dibromomethane
 Concen: 48.680 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD067740.D
 Acq: 23 Nov 2020 12:17

Tgt Ion: 93 Resp: 62442
 Ion Ratio Lower Upper
 93 100
 95 79.3 63.4 95.2
 174 112.0 89.6 134.4





#47

Bromodichloromethane

Concen: 49.060 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD067740.D

Acq: 23 Nov 2020 12:17

Instrument :

MSVOA_D

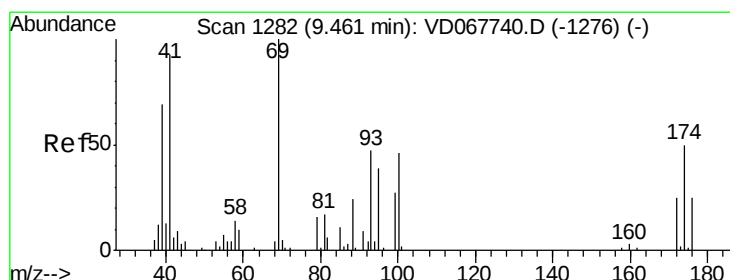
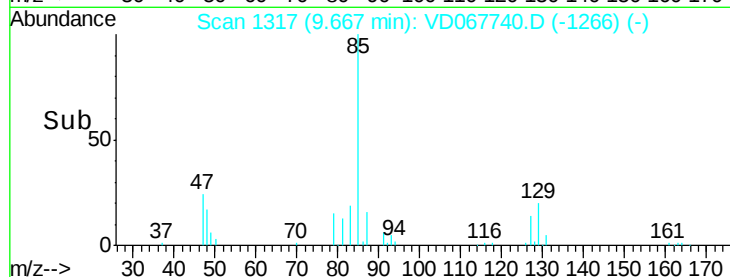
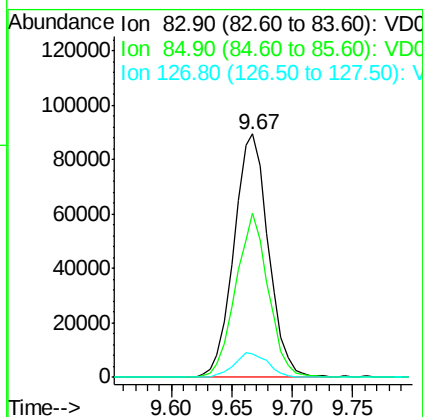
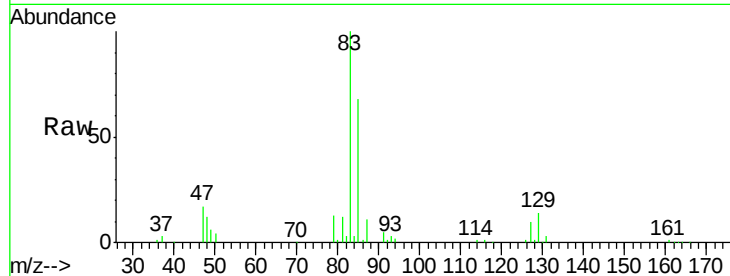
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	177870
Ion	Ratio	Lower	Upper
83	100		
85	67.7	54.2	81.2
127	9.5	7.6	11.4

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#48

Methyl methacrylate

Concen: 48.349 ug/l

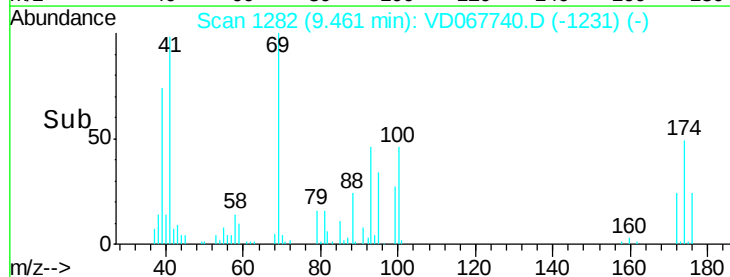
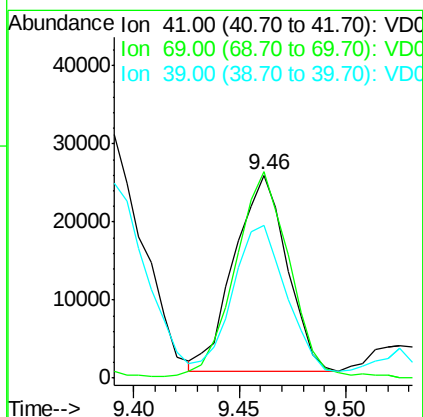
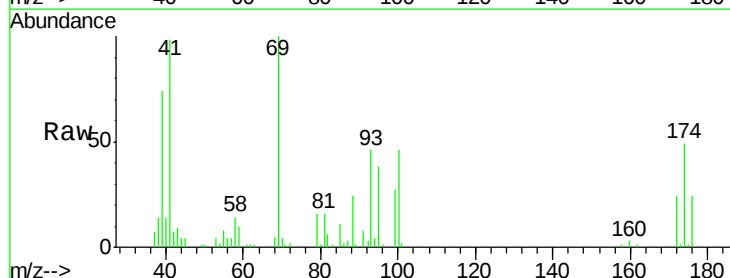
RT: 9.46 min Scan# 1282

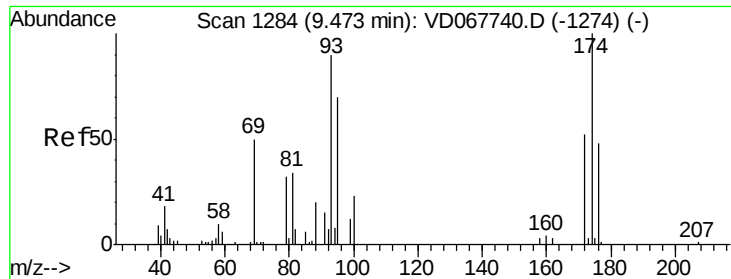
Delta R.T. 0.00 min

Lab File: VD067740.D

Acq: 23 Nov 2020 12:17

Tgt Ion:	41	Resp:	43361
Ion	Ratio	Lower	Upper
41	100		
69	109.7	87.8	131.6
39	75.6	60.5	90.7





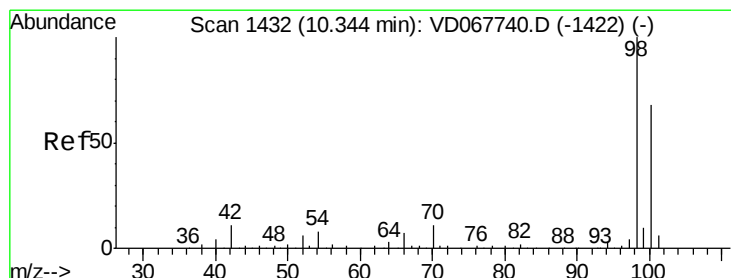
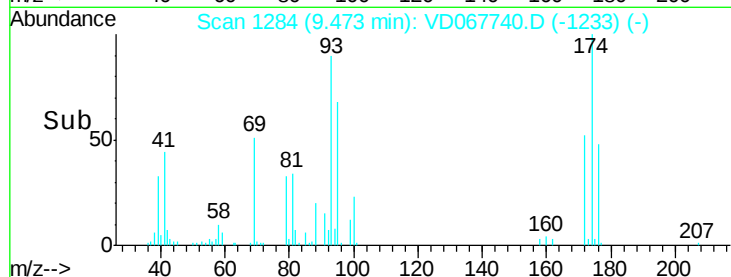
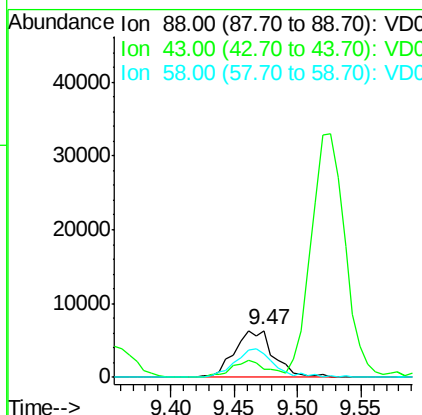
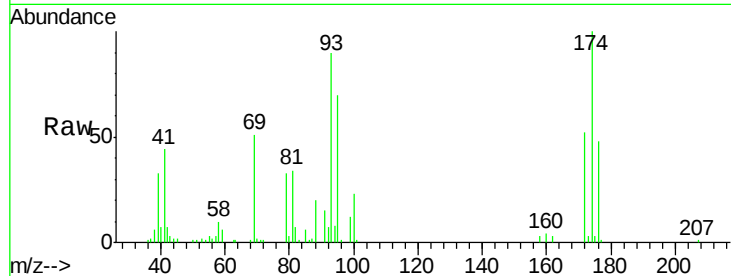
#49
1,4-Dioxane
Concen: 974.742 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.00 min
Lab File: VD067740.D
Acq: 23 Nov 2020 12:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	88	Resp	13561
Ion	Ratio	Lower	Upper
88	100		
43	31.5	25.2	37.8
58	60.2	48.2	72.2

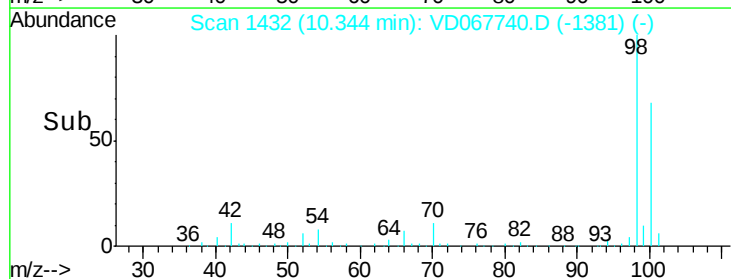
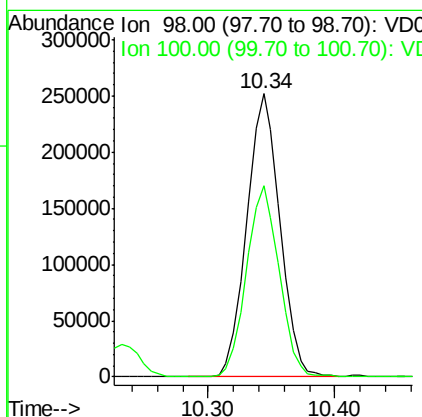
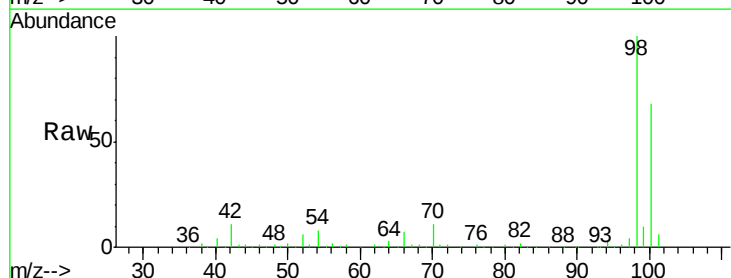
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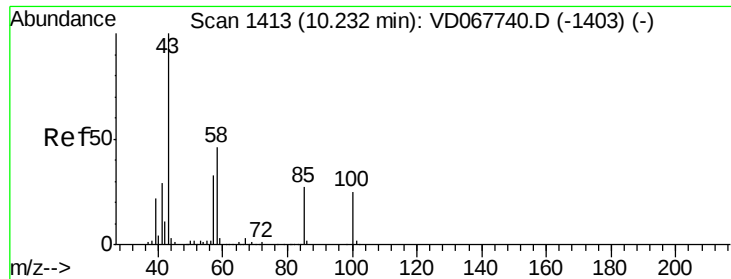
MMDadoda
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#50
Toluene-d8
Concen: 50.202 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067740.D
Acq: 23 Nov 2020 12:17

Tgt Ion	98	Resp	458945
Ion	Ratio	Lower	Upper
98	100		
100	66.4	53.1	79.7





#51

4-Methyl-2-Pentanone

Concen: 248.716 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD067740.D

Acq: 23 Nov 2020 12:17

Instrument :

MSVOA_D

ClientSampleID :

VSTDICCC050

Tot Ion: 43 Resp: 210102

Ion Ratio Lower Upper

43 100

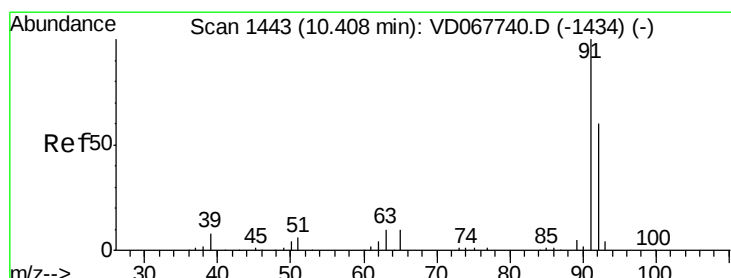
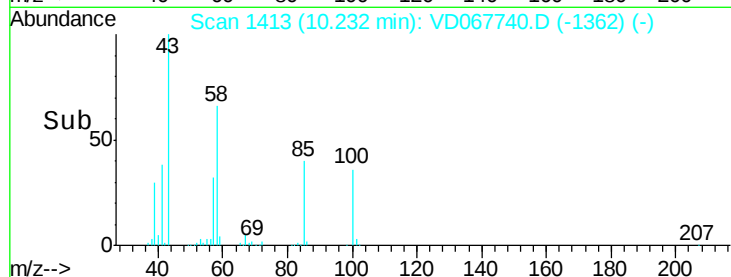
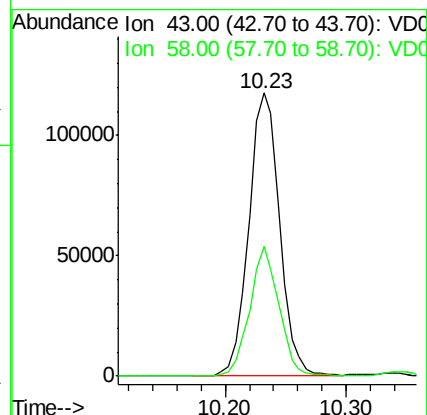
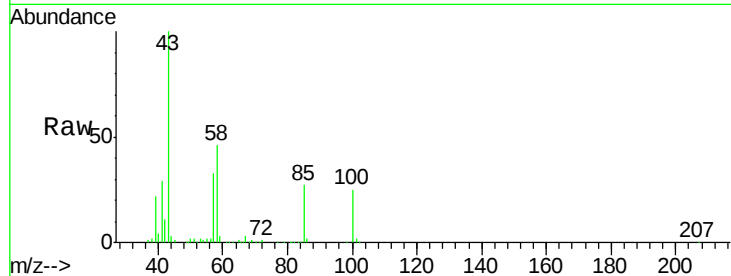
58 43.4 34.7 52.1

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#52

Toluene

Concen: 49.108 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD067740.D

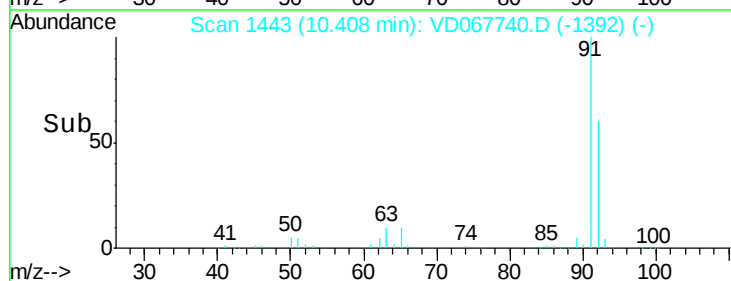
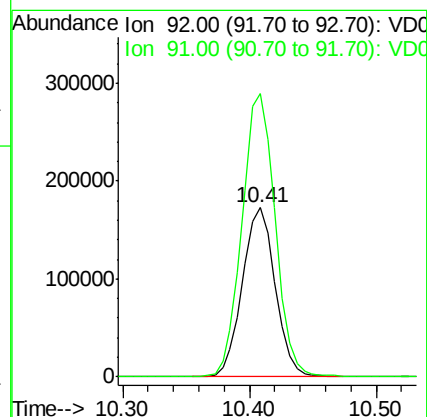
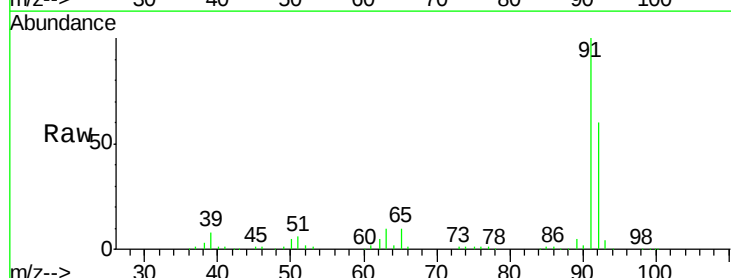
Acq: 23 Nov 2020 12:17

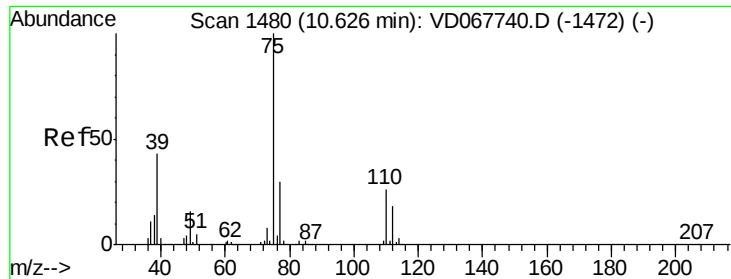
Tgt Ion: 92 Resp: 311173

Ion Ratio Lower Upper

92 100

91 169.2 135.4 203.0





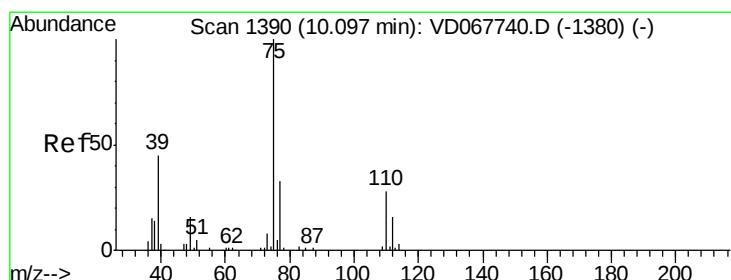
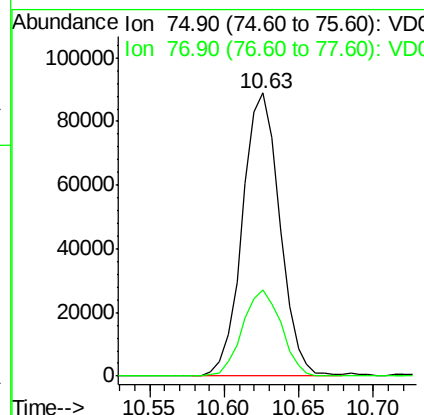
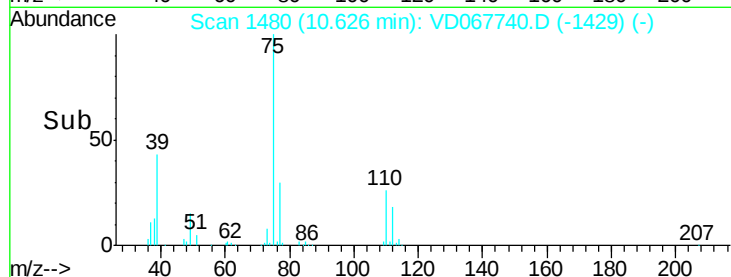
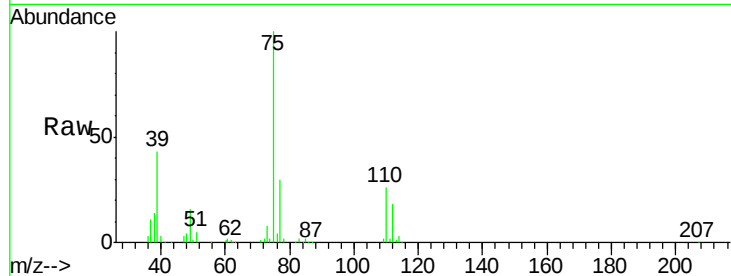
#53
 t-1,3-Dichloropropene
 Concen: 49.028 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. 0.00 min
 Lab File: VD067740.D
 Acq: 23 Nov 2020 12:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion: 75 Resp: 154820
 Ion Ratio Lower Upper
 75 100
 77 30.3 24.2 36.4

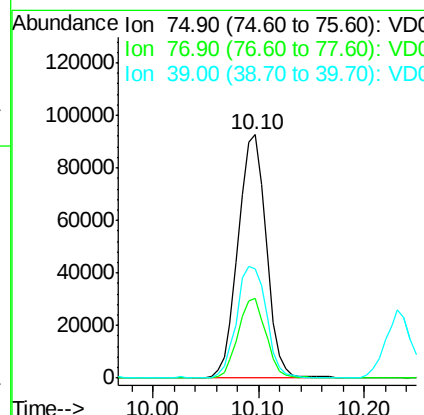
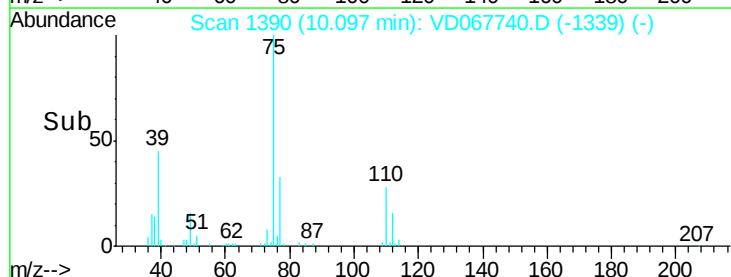
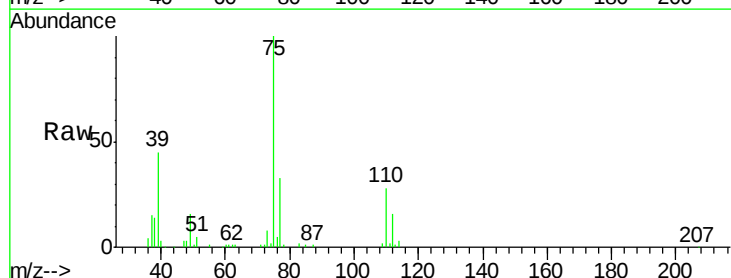
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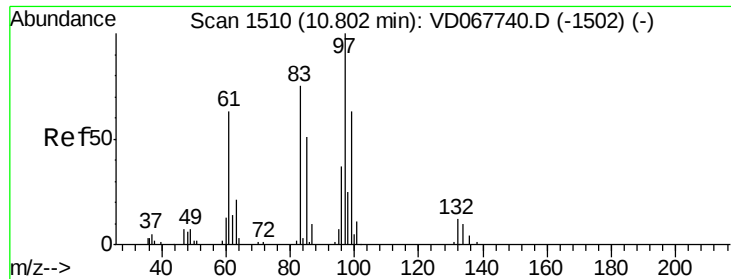
MMDadoda
 11/24/2020 2:56:31 PM



#54
 cis-1,3-Dichloropropene
 Concen: 47.930 ug/l
 RT: 10.10 min Scan# 1390
 Delta R.T. 0.00 min
 Lab File: VD067740.D
 Acq: 23 Nov 2020 12:17

Tgt Ion: 75 Resp: 171347
 Ion Ratio Lower Upper
 75 100
 77 32.6 26.1 39.1
 39 44.7 35.8 53.6





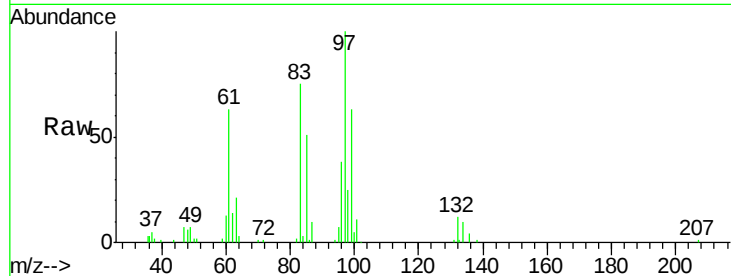
#55
 1,1,2-Trichloroethane
 Concen: 47.979 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD067740.D
 Acq: 23 Nov 2020 12:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

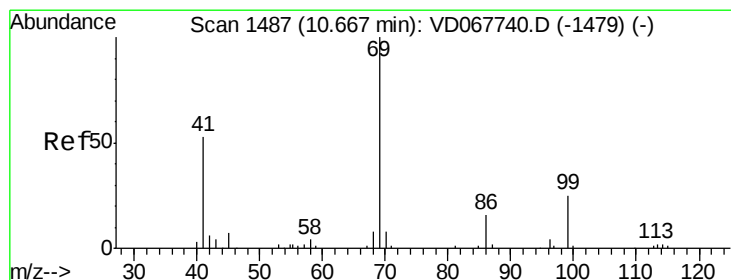
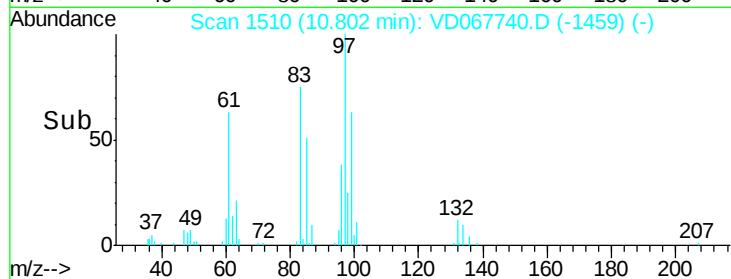
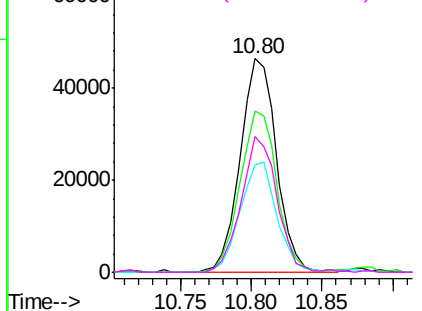
Tot Ion	97	Resp:	83551
Ion	Ratio	Lower	Upper
97	100		
83	75.3	60.2	90.4
85	50.6	40.5	60.7
99	63.3	50.6	76.0

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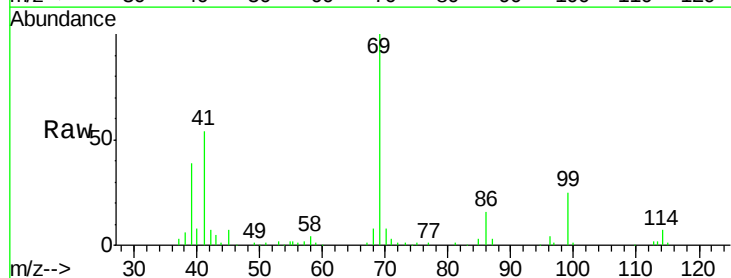


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

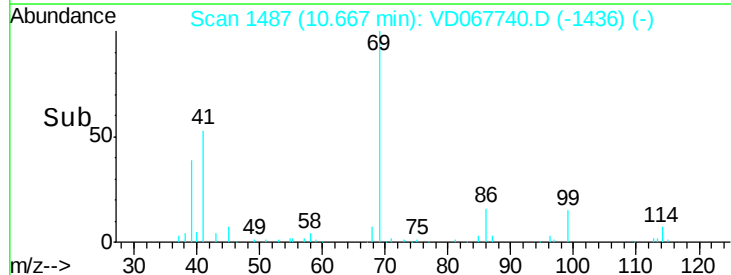
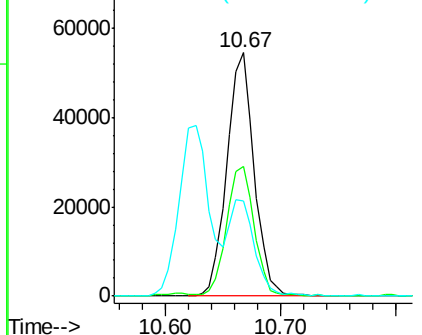


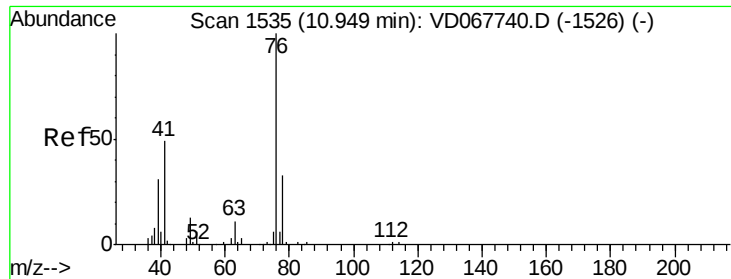
#56
 Ethyl methacrylate
 Concen: 49.559 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD067740.D
 Acq: 23 Nov 2020 12:17

Tgt Ion	69	Resp:	89195
Ion	Ratio	Lower	Upper
69	100		
41	54.2	43.4	65.0
39	37.0	29.6	44.4



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: 47.464 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD067740.D

Acq: 23 Nov 2020 12:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 76 Resp: 129461

Ion Ratio Lower Upper

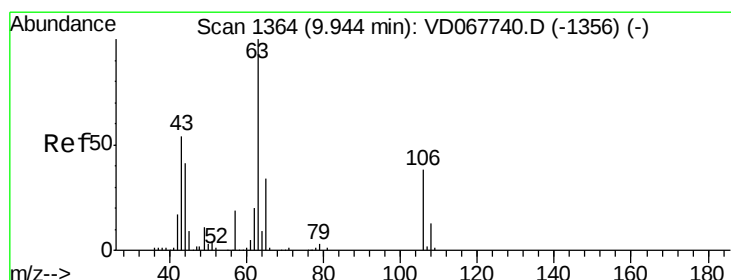
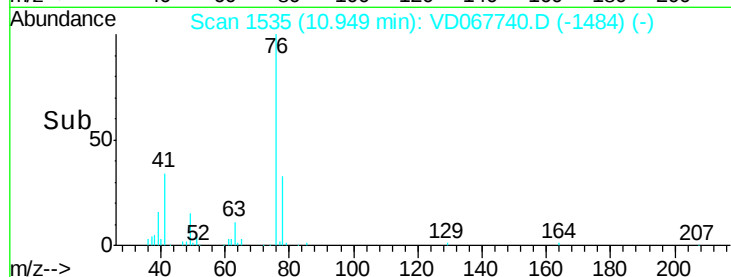
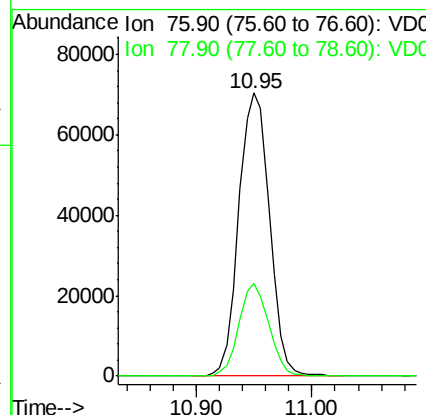
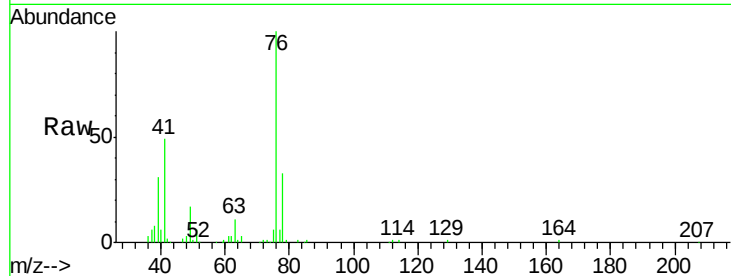
76 100

78 32.1 25.7 38.5

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#58

2-Chloroethyl Vinyl ether

Concen: 270.416 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD067740.D

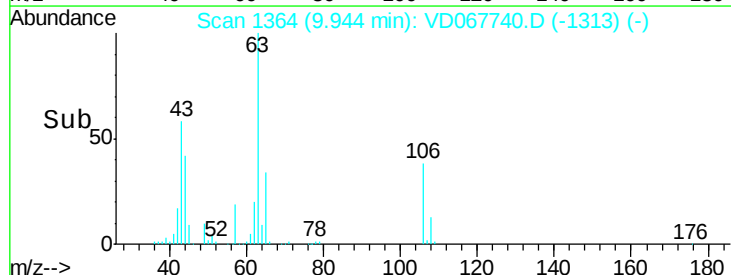
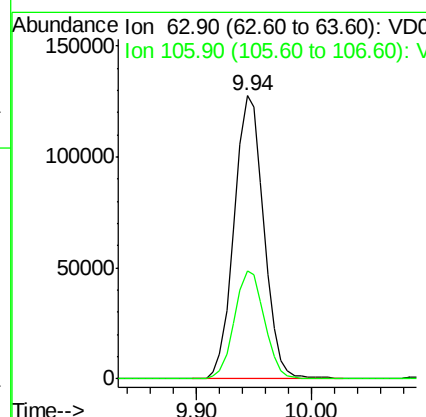
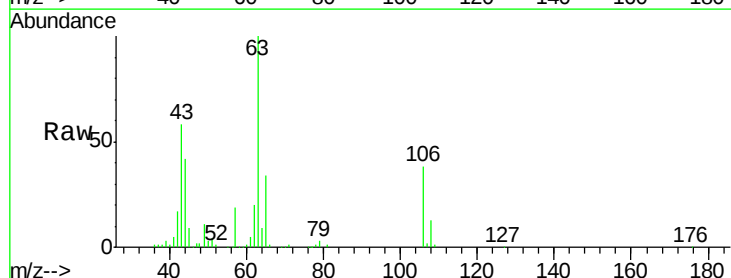
Acq: 23 Nov 2020 12:17

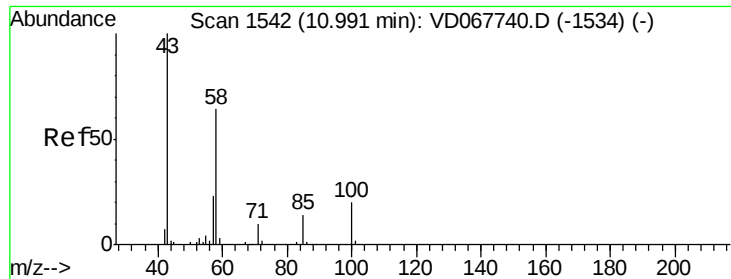
Tgt Ion: 63 Resp: 227284

Ion Ratio Lower Upper

63 100

106 38.8 31.0 46.6





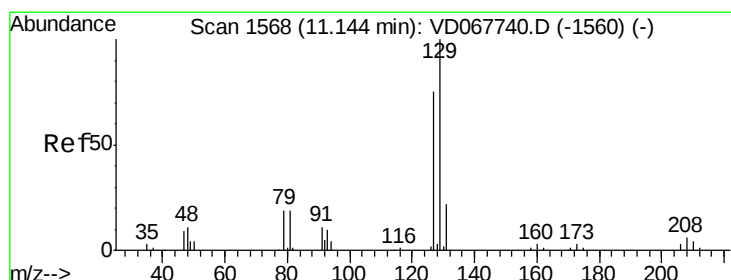
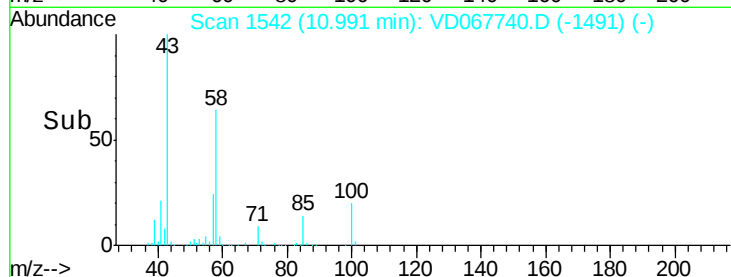
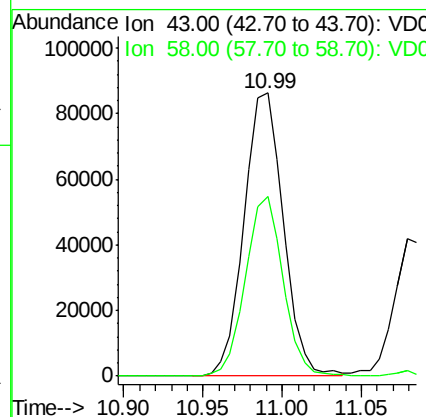
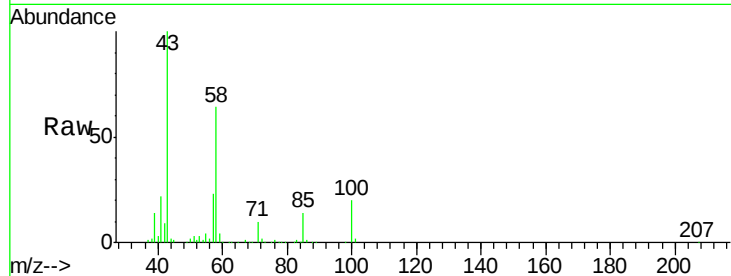
#59
2-Hexanone
Concen: 247.189 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD067740.D
Acq: 23 Nov 2020 12:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 149019
Ion Ratio Lower Upper
43 100
58 61.0 30.5 91.5

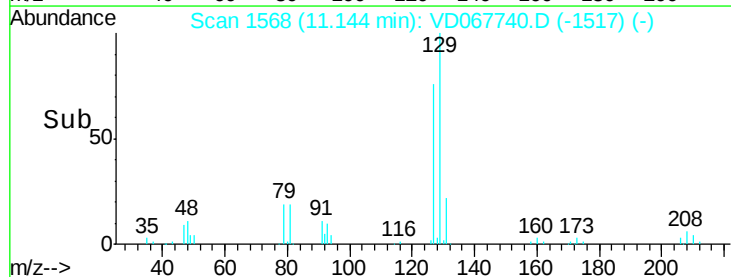
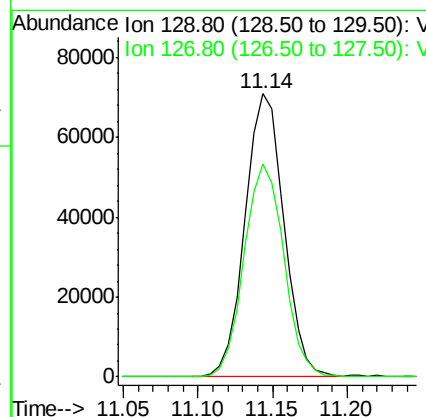
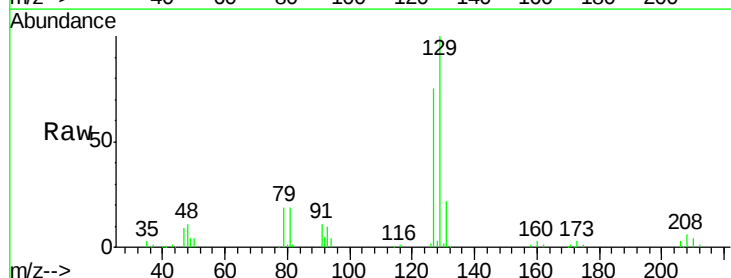
Manual Integrations
APPROVED

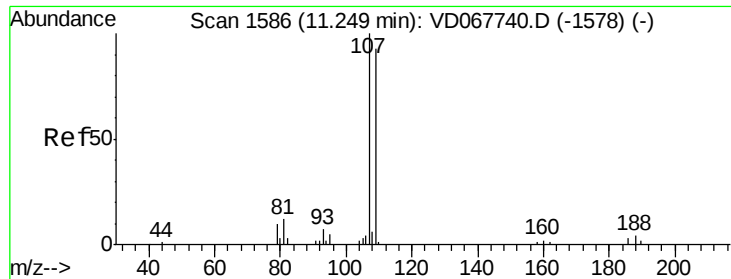
MMDadoda
11/24/2020 2:56:31 PM



#60
Dibromochloromethane
Concen: 48.132 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD067740.D
Acq: 23 Nov 2020 12:17

Tgt Ion: 129 Resp: 127766
Ion Ratio Lower Upper
129 100
127 77.1 38.6 115.7





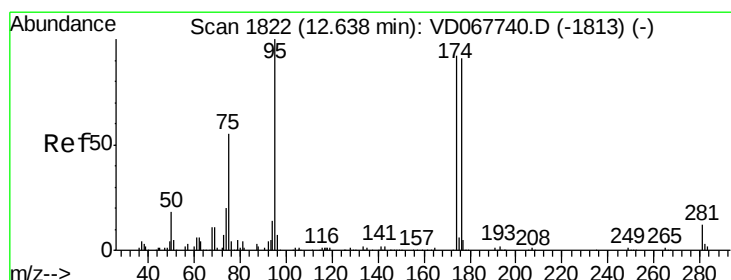
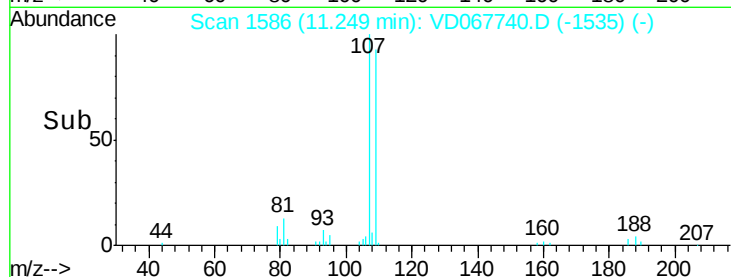
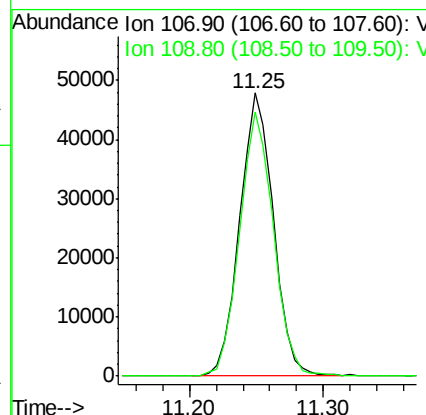
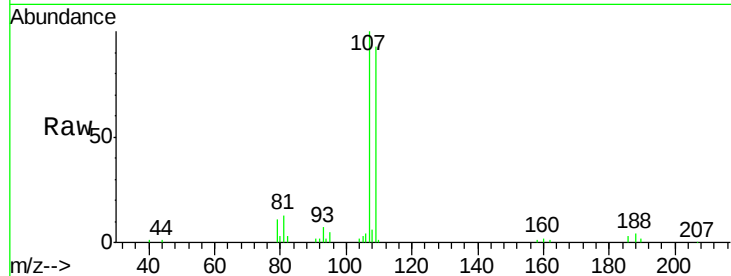
#61
 1,2-Dibromoethane
 Concen: 48.507 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD067740.D
 Acq: 23 Nov 2020 12:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion: 107 Resp: 83522
 Ion Ratio Lower Upper
 107 100
 109 93.9 75.1 112.7

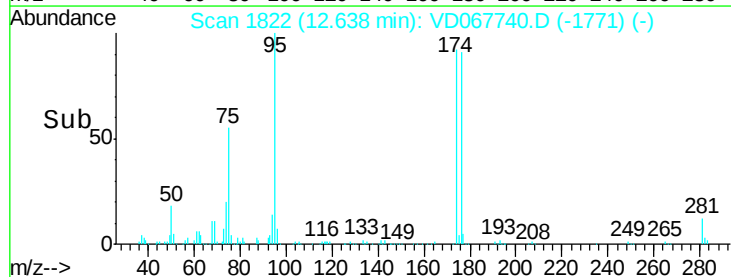
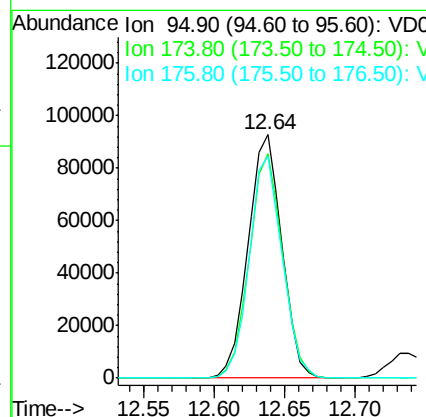
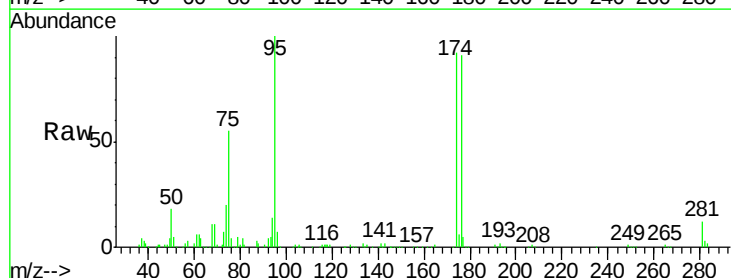
Manual Integrations
 APPROVED

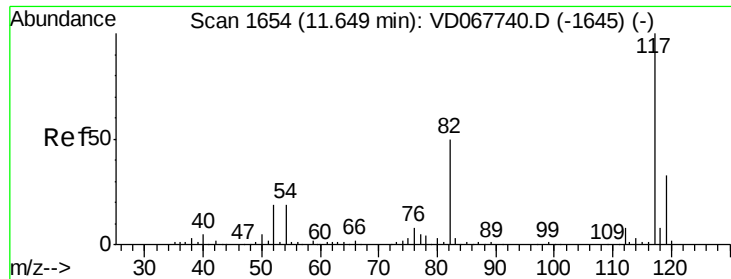
MMDadoda
 11/24/2020 2:56:31 PM



#62
 4-Bromofluorobenzene
 Concen: 49.449 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067740.D
 Acq: 23 Nov 2020 12:17

Tgt Ion: 95 Resp: 155305
 Ion Ratio Lower Upper
 95 100
 174 91.2 0.0 182.4
 176 89.1 0.0 178.2





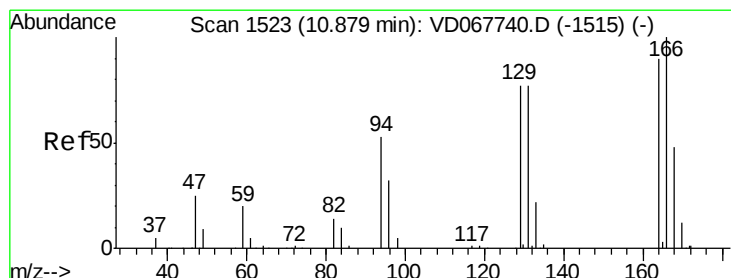
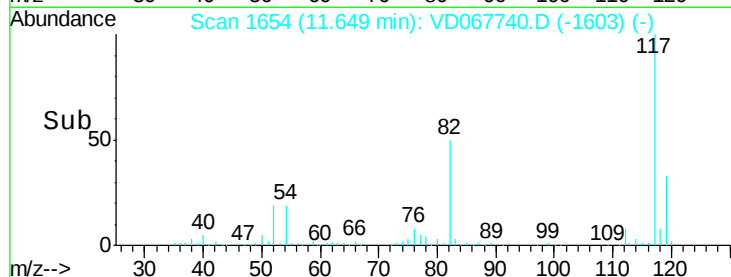
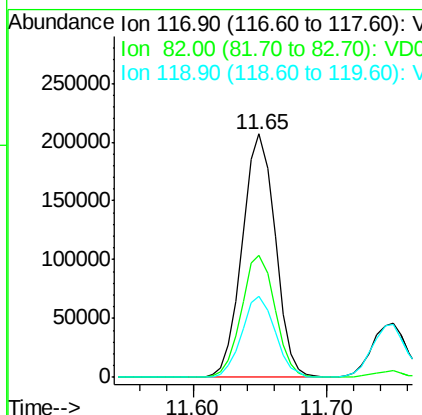
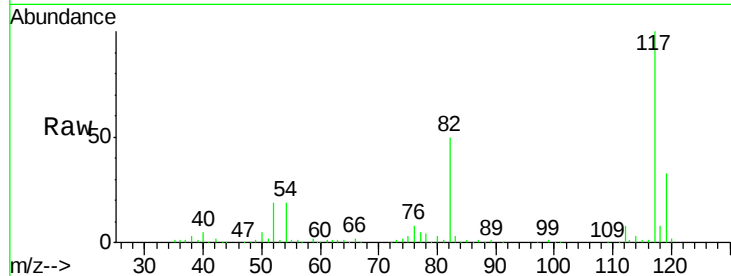
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067740.D
Acq: 23 Nov 2020 12:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.3	40.2	60.4
119	33.1	26.5	39.7

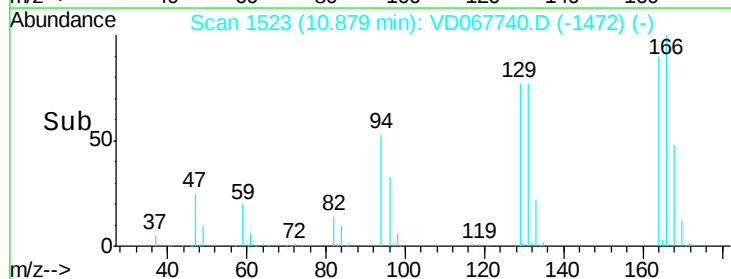
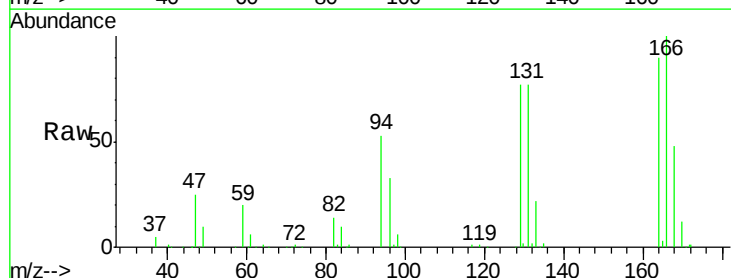
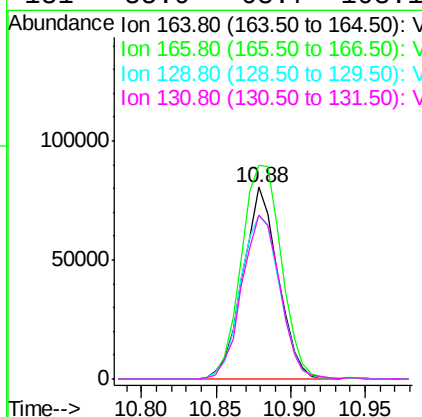
Manual Integrations
APPROVED

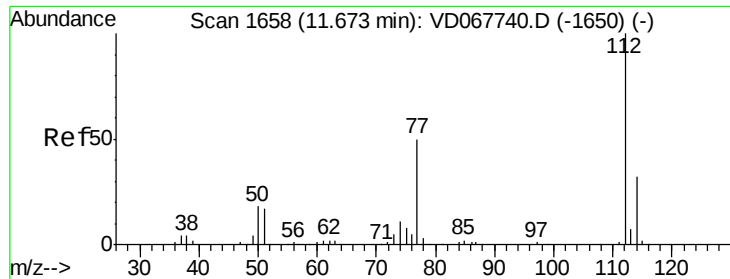
MMDadoda
11/24/2020 2:56:31 PM



#64
Tetrachloroethene
Concen: 47.528 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067740.D
Acq: 23 Nov 2020 12:17

Tgt Ion	Ratio	Lower	Upper
164	100		
166	111.5	89.2	133.8
129	85.5	68.4	102.6
131	85.9	68.7	103.1





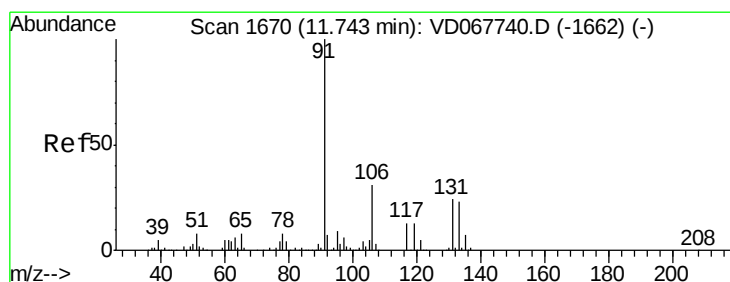
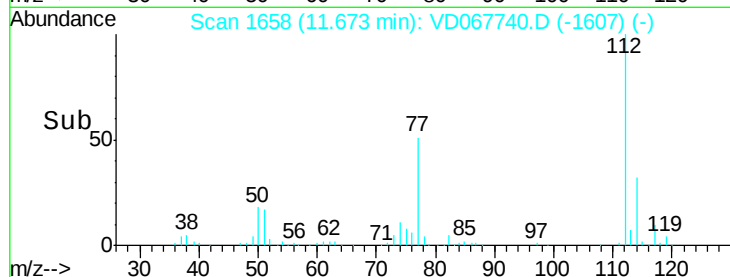
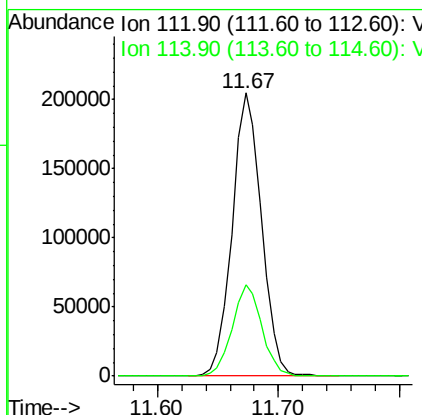
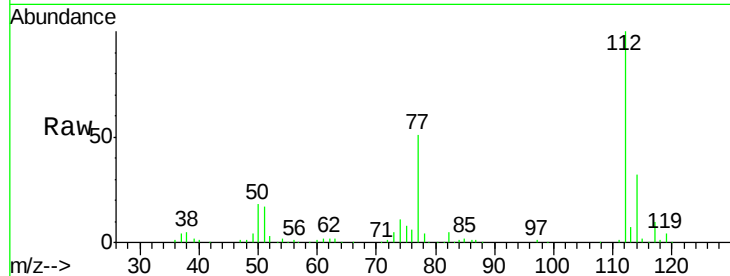
#65
Chlorobenzene
Concen: 49.419 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD067740.D
Acq: 23 Nov 2020 12:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion:112 Resp: 346393
Ion Ratio Lower Upper
112 100
114 32.3 25.8 38.8

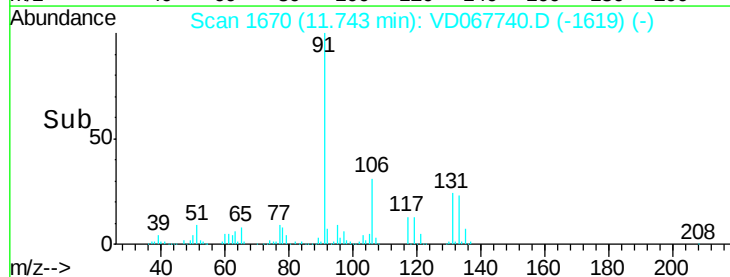
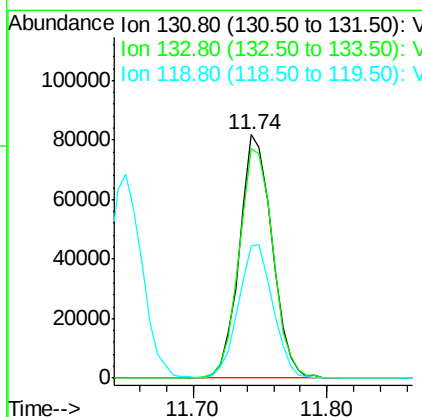
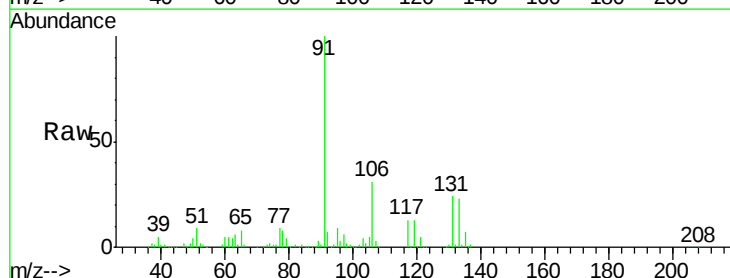
Manual Integrations
APPROVED

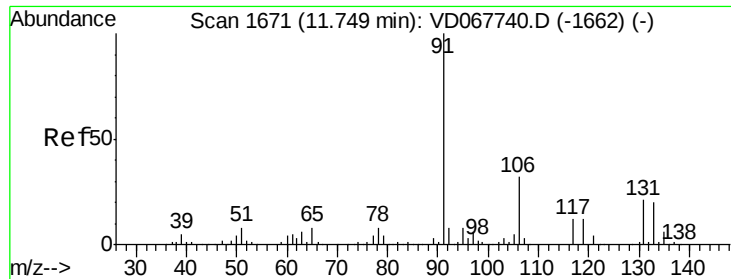
MMDadoda
11/24/2020 2:56:31 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 49.327 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD067740.D
Acq: 23 Nov 2020 12:17

Tgt Ion:131 Resp: 138512
Ion Ratio Lower Upper
131 100
133 98.0 49.0 147.0
119 57.7 28.8 86.5





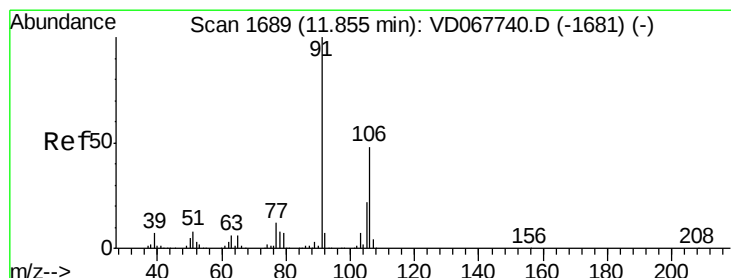
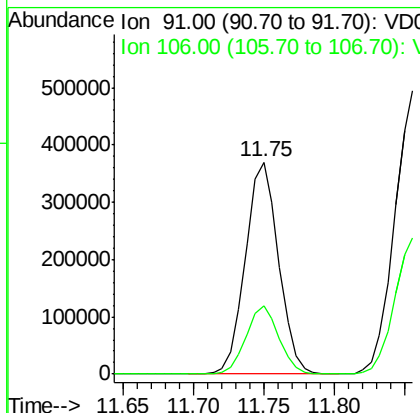
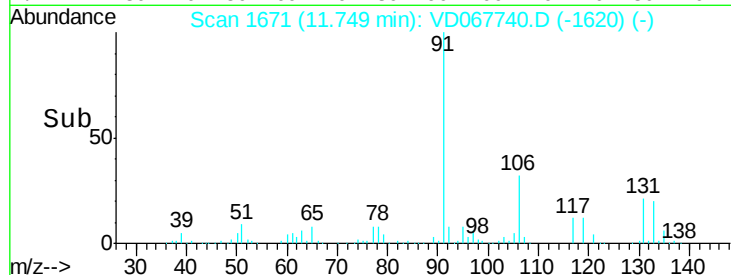
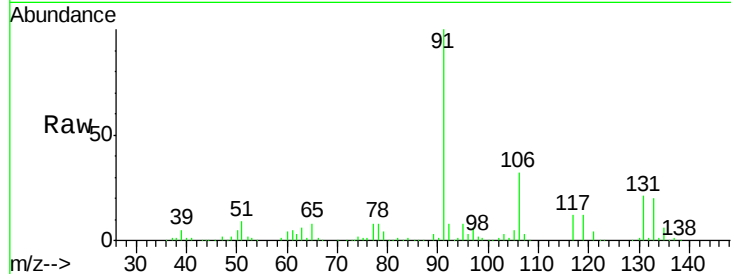
#67
Ethyl Benzene
Concen: 50.802 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067740.D
Acq: 23 Nov 2020 12:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 611229
Ion Ratio Lower Upper
91 100
106 32.1 25.7 38.5

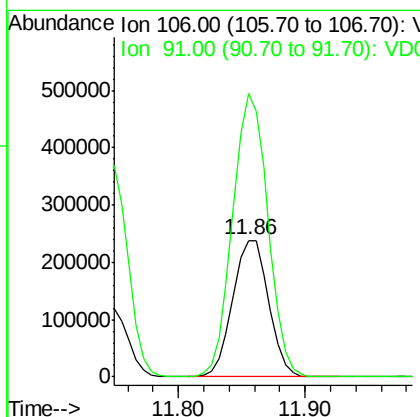
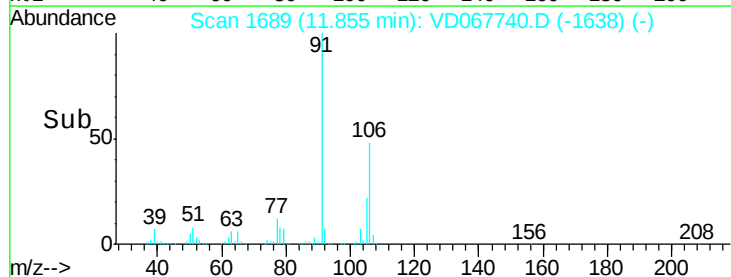
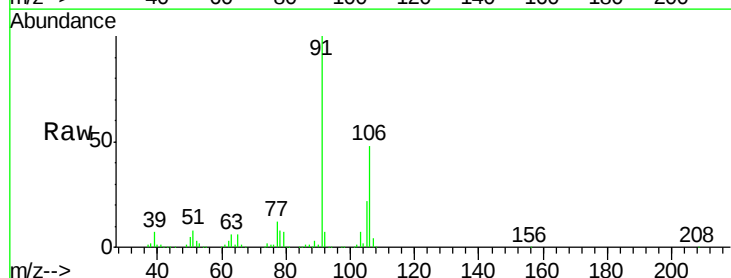
Manual Integrations
APPROVED

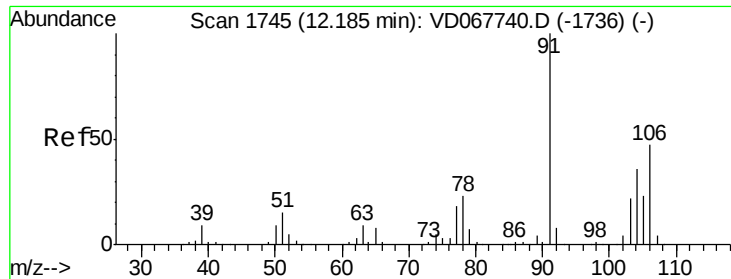
MMDadoda
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#68
m/p-Xylenes
Concen: 99.549 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD067740.D
Acq: 23 Nov 2020 12:17

Tgt Ion: 106 Resp: 468306
Ion Ratio Lower Upper
106 100
91 203.8 163.0 244.6





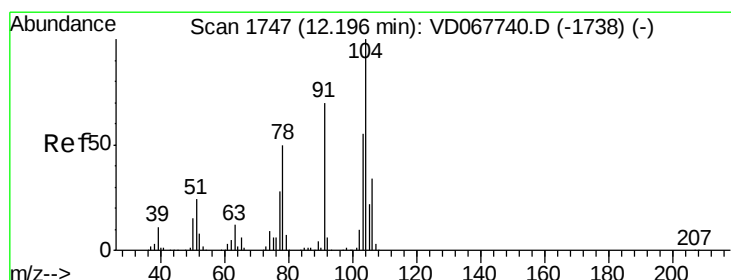
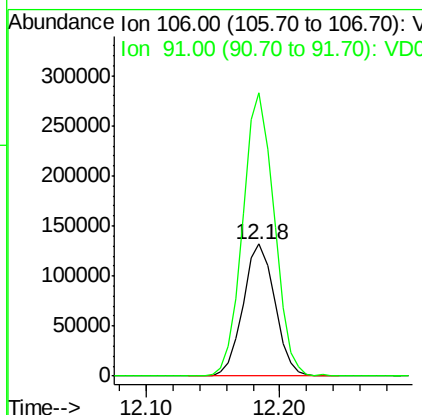
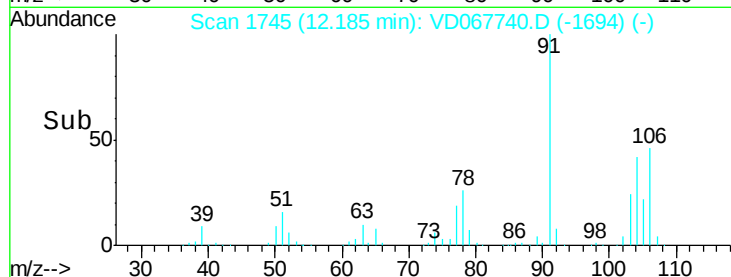
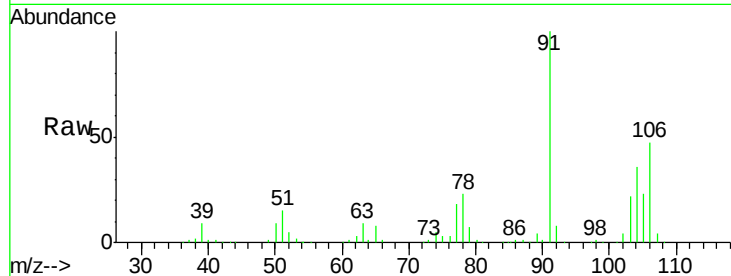
#69
o-Xylene
Concen: 50.506 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067740.D
Acq: 23 Nov 2020 12:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion:106 Resp: 216044
Ion Ratio Lower Upper
106 100
91 212.4 106.2 318.6

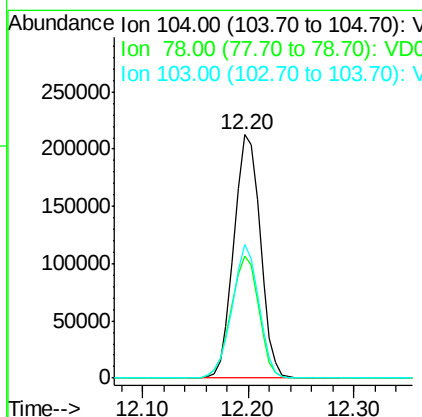
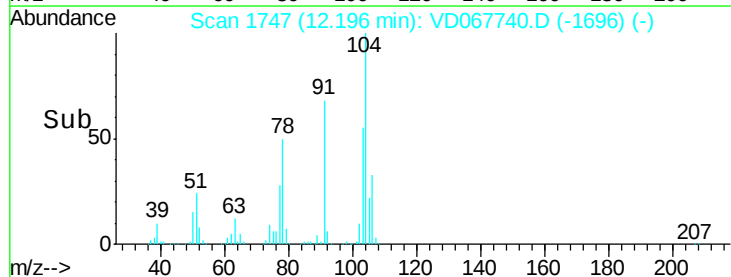
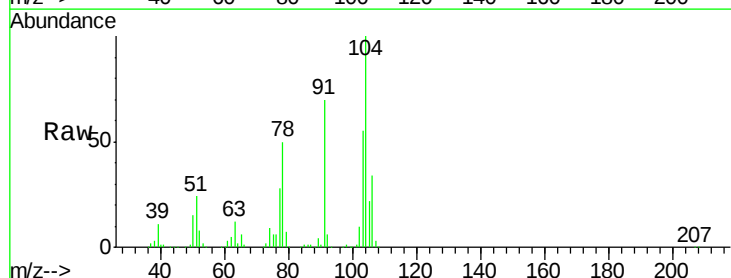
Manual Integrations
APPROVED

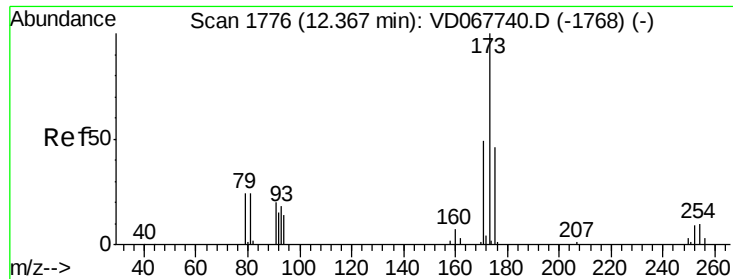
MMDadoda
11/24/2020 2:56:31 PM



#70
Styrene
Concen: 49.796 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD067740.D
Acq: 23 Nov 2020 12:17

Tgt Ion:104 Resp: 367970
Ion Ratio Lower Upper
104 100
78 52.4 41.9 62.9
103 55.1 44.1 66.1





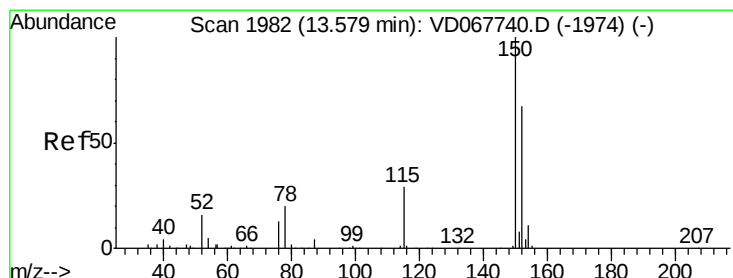
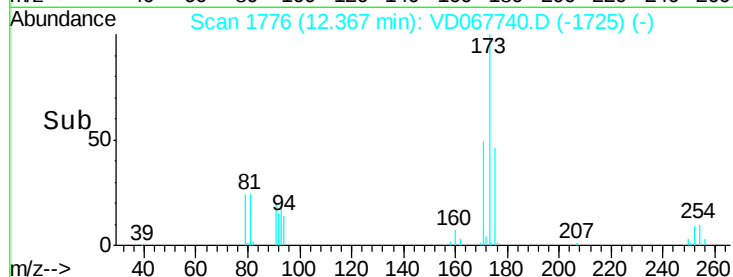
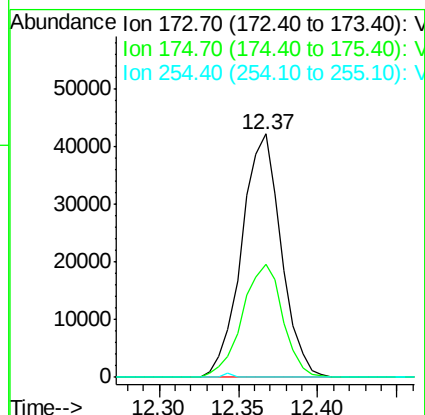
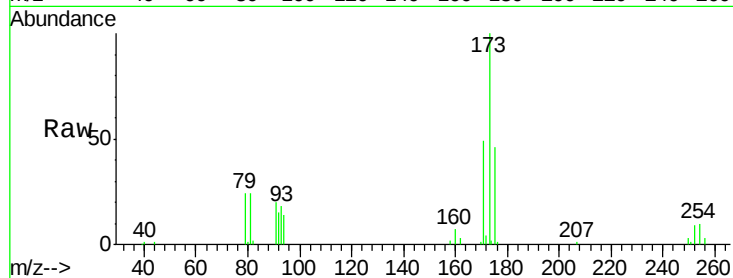
#71
Bromoform
Concen: 47.762 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD067740.D
Acq: 23 Nov 2020 12:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.8	23.9	71.7
254	0.0	0.0	0.0

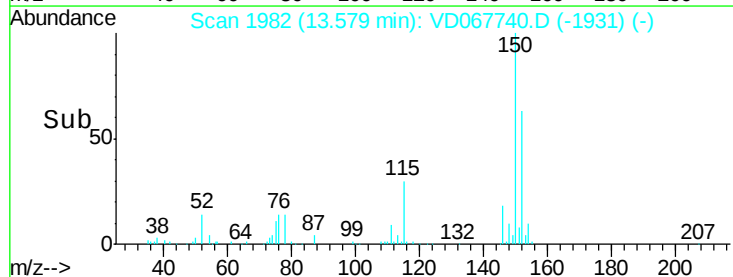
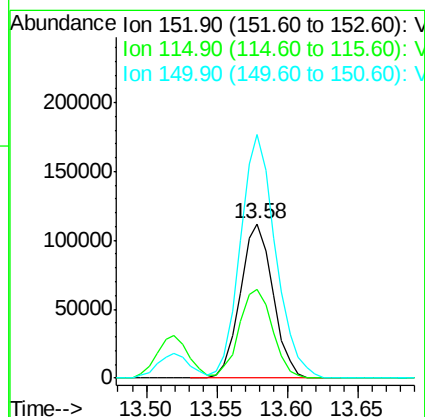
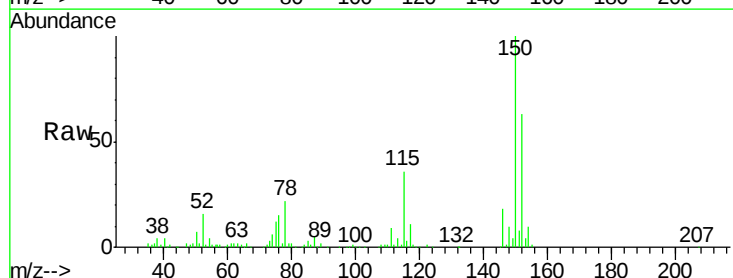
Manual Integrations
APPROVED

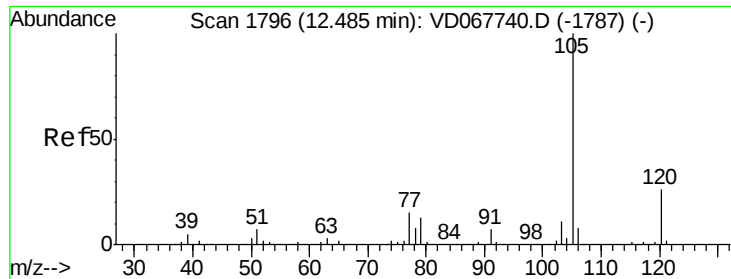
MMDadoda
11/24/2020 2:56:31 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD067740.D
Acq: 23 Nov 2020 12:17

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.9	29.4	88.3
150	170.3	0.0	340.6





#73

Isopropylbenzene

Concen: 50.109 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD067740.D

Acq: 23 Nov 2020 12:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 105 Resp: 609924

Ion Ratio Lower Upper

105 100

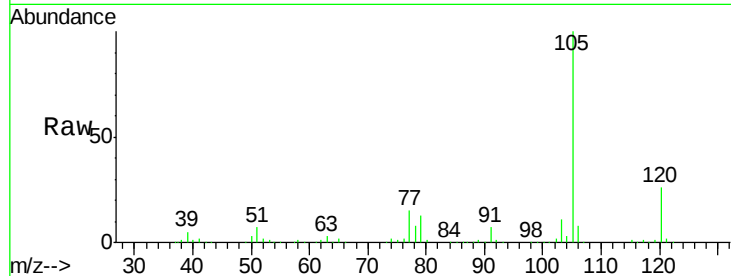
120 26.4 13.2 39.6

Manual Integrations

APPROVED

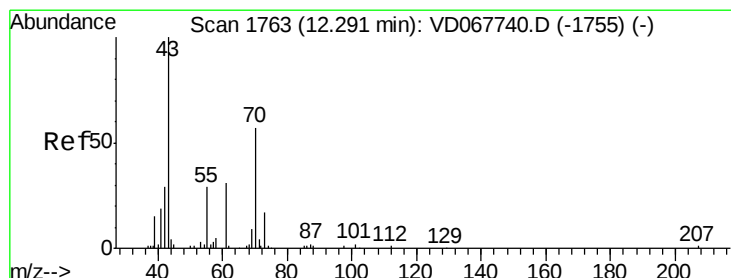
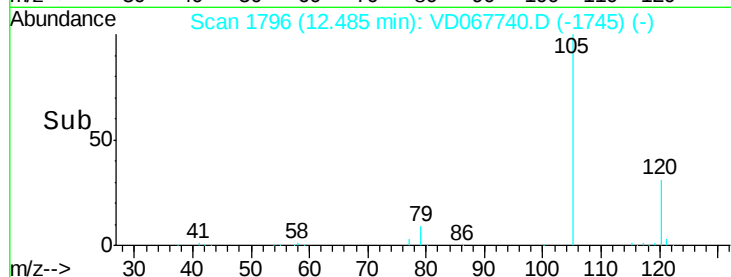
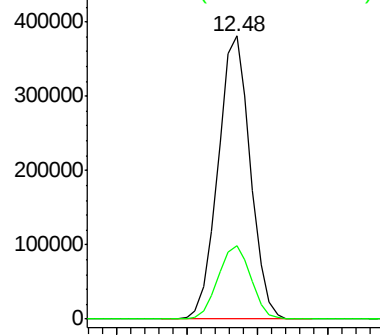
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 49.409 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD067740.D

Acq: 23 Nov 2020 12:17

Tgt Ion: 43 Resp: 77912

Ion Ratio Lower Upper

43 100

70 55.7 44.6 66.8

55 30.2 24.2 36.2

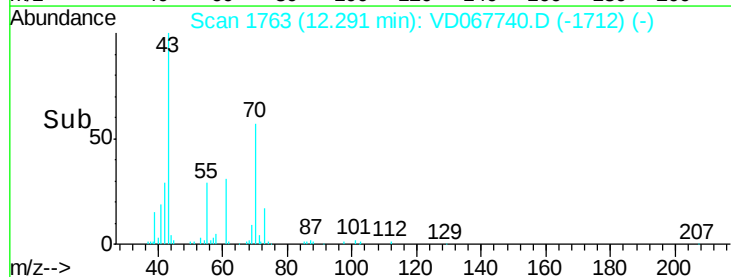
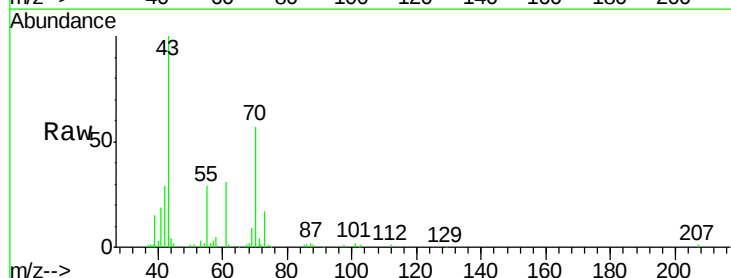
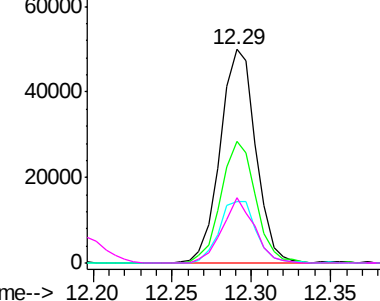
61 27.5 22.0 33.0

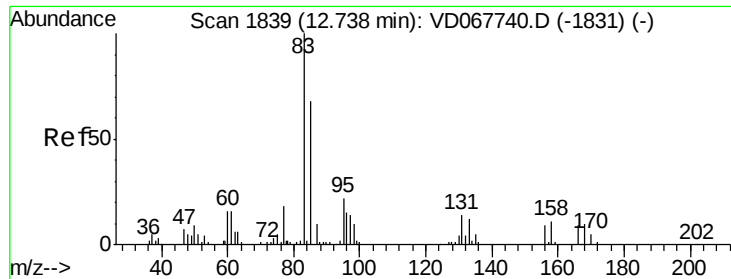
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 46.154 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD067740.D

Acq: 23 Nov 2020 12:17

Instrument :

MSVOA_D

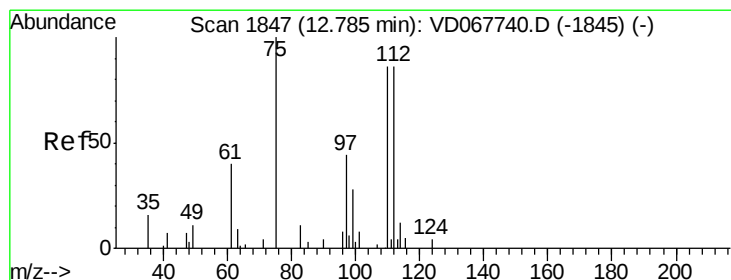
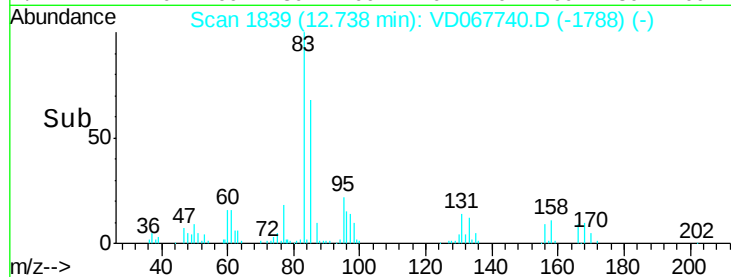
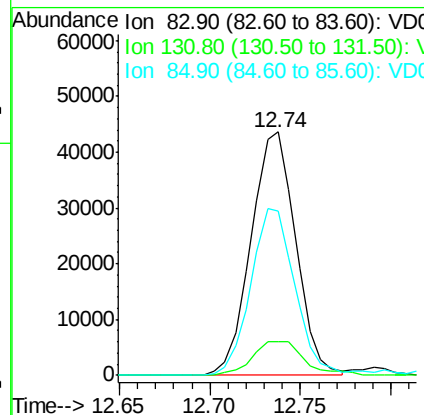
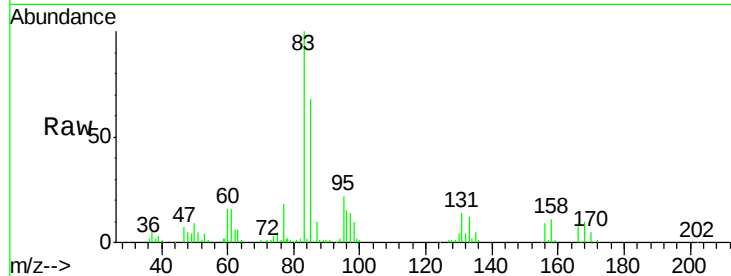
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	74869
Ion	Ratio	Lower	Upper
83	100		
131	16.1	8.1	24.1
85	67.8	33.9	101.7

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#76

1,2,3-Trichloropropane

Concen: 42.979 ug/l m

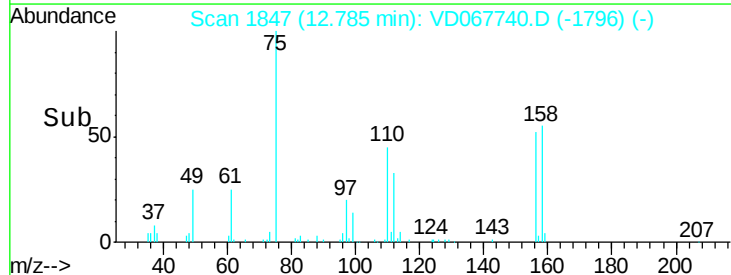
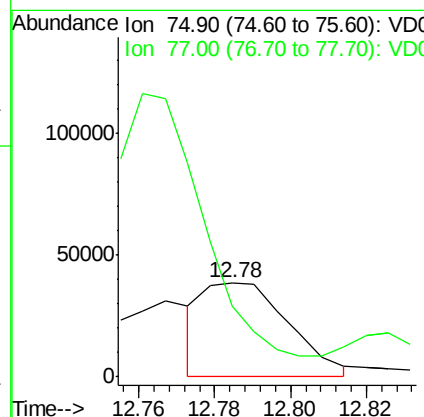
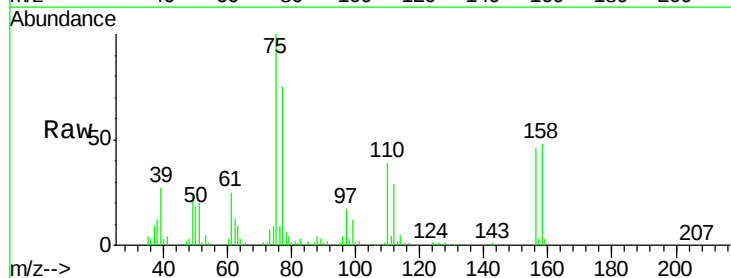
RT: 12.78 min Scan# 1847

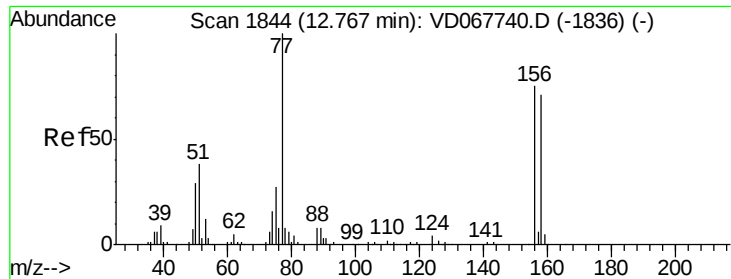
Delta R.T. 0.00 min

Lab File: VD067740.D

Acq: 23 Nov 2020 12:17

Tgt Ion:	75	Resp:	60775
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 48.658 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD067740.D

Acq: 23 Nov 2020 12:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion:156 Resp: 147468

Ion Ratio Lower Upper

156 100

77 146.9 73.5 220.3

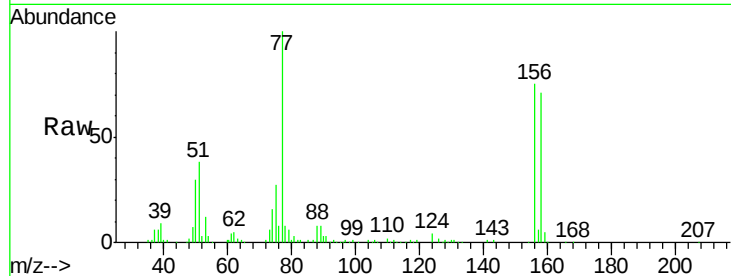
158 96.3 48.1 144.4

Manual Integrations

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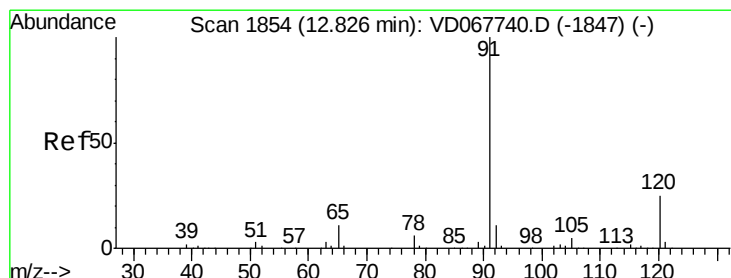
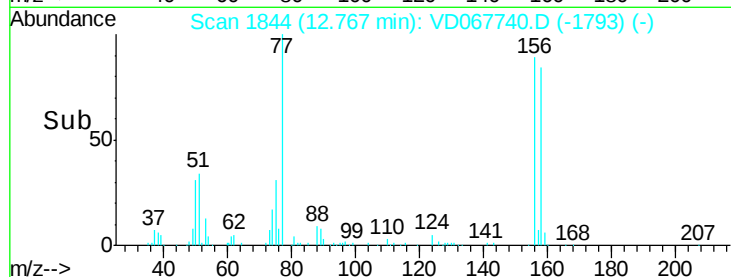
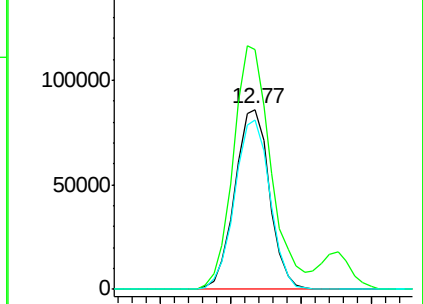
11/24/2020 2:56:31 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.278 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD067740.D

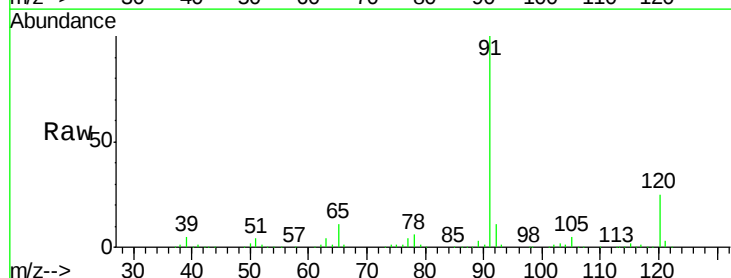
Acq: 23 Nov 2020 12:17

Tgt Ion: 91 Resp: 678735

Ion Ratio Lower Upper

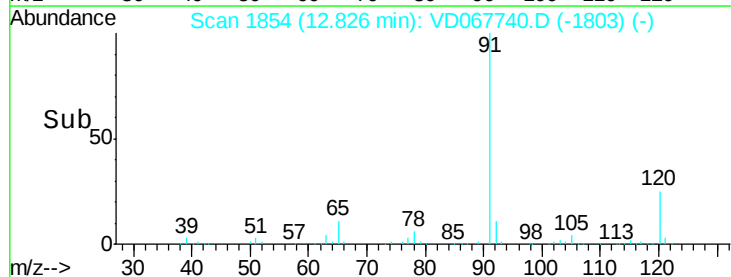
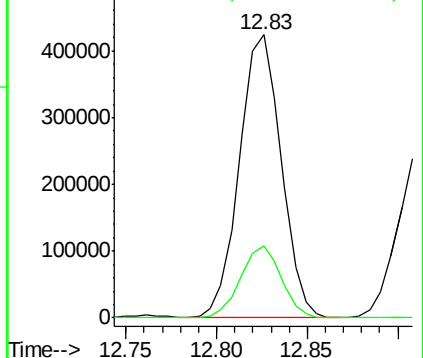
91 100

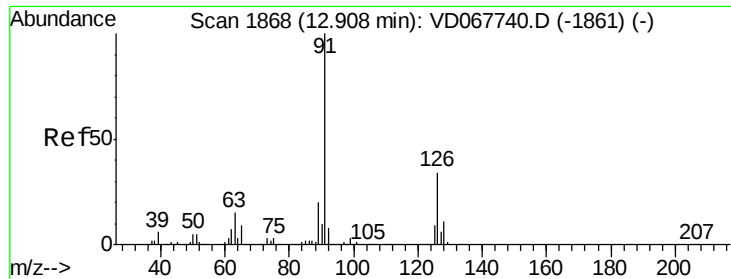
120 24.9 12.4 37.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





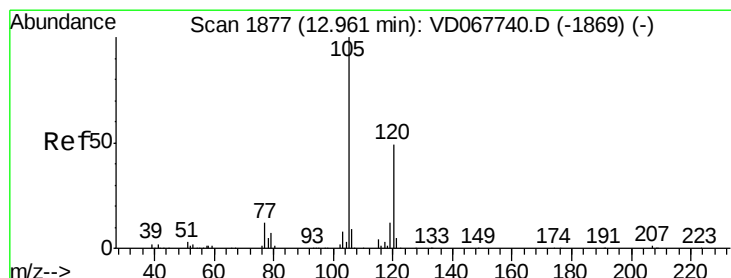
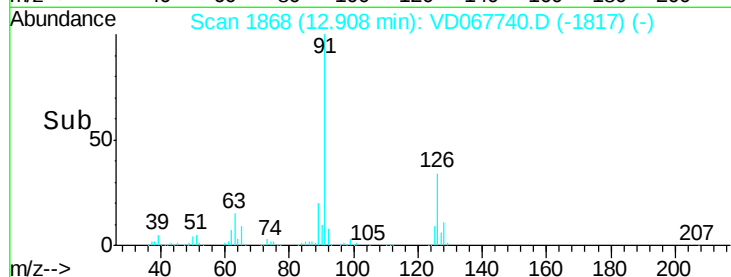
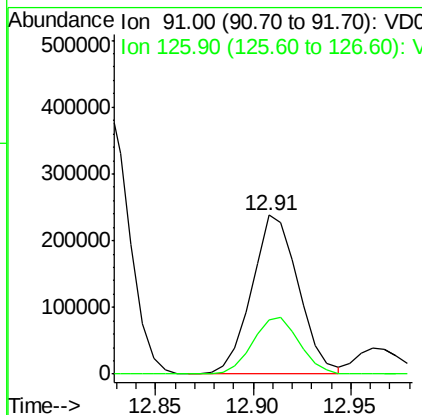
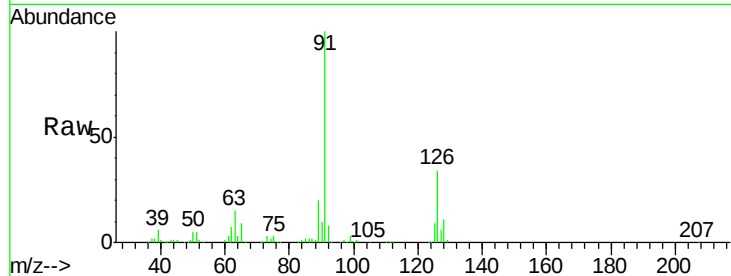
#79
2-Chlorotoluene
Concen: 49.745 ug/l
RT: 12.91 min Scan# 1868
Delta R.T. 0.00 min
Lab File: VD067740.D
Acq: 23 Nov 2020 12:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 395085
Ion Ratio Lower Upper
91 100
126 35.8 17.9 53.7

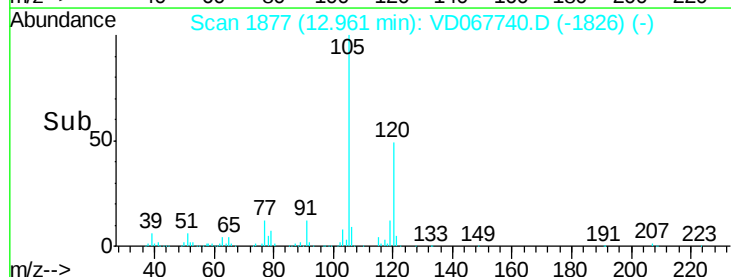
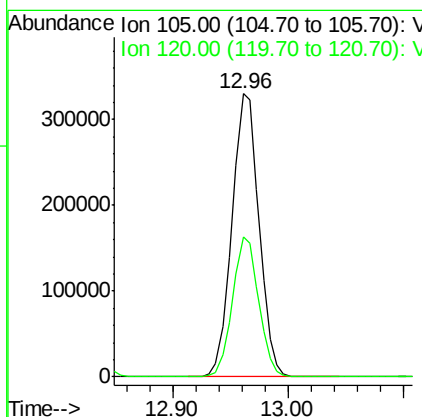
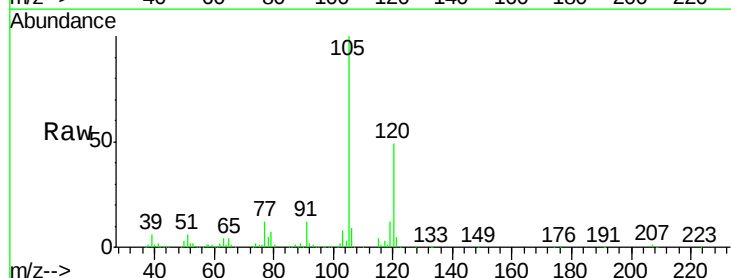
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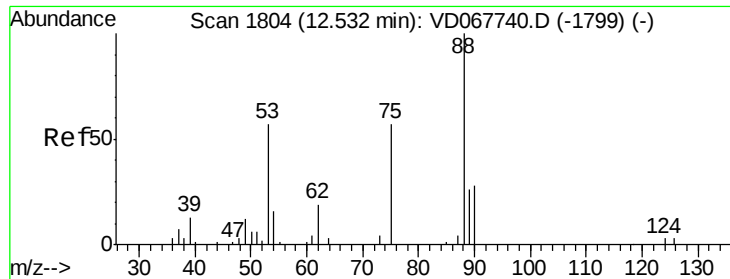
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#80
1,3,5-Trimethylbenzene
Concen: 49.986 ug/l
RT: 12.96 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VD067740.D
Acq: 23 Nov 2020 12:17

Tgt Ion: 105 Resp: 534074
Ion Ratio Lower Upper
105 100
120 47.8 23.9 71.7





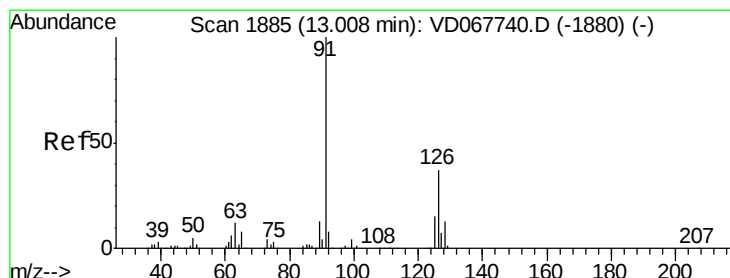
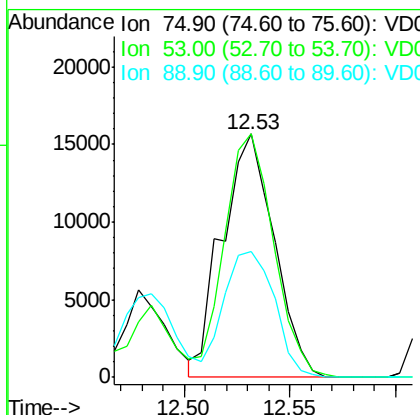
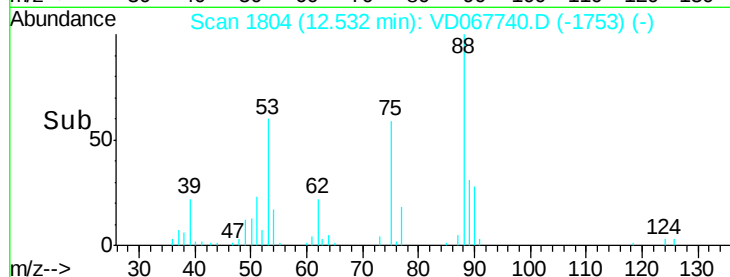
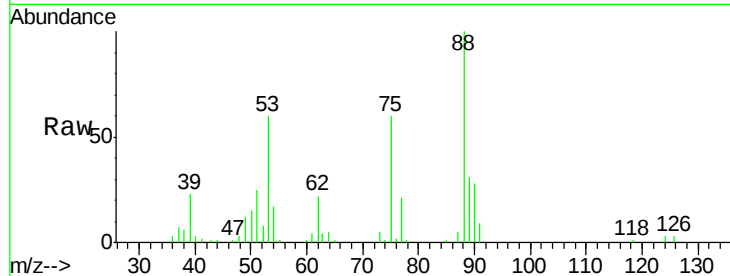
#81
trans-1,4-Dichloro-2-butene
Concen: 49.470 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD067740.D
Acq: 23 Nov 2020 12:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	95.0	76.0	114.0
89	50.3	40.2	60.4

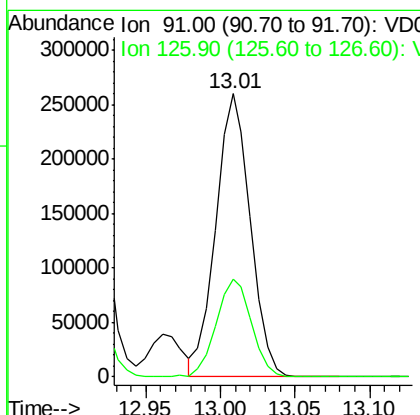
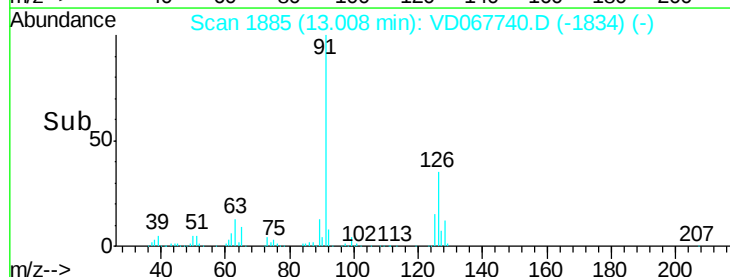
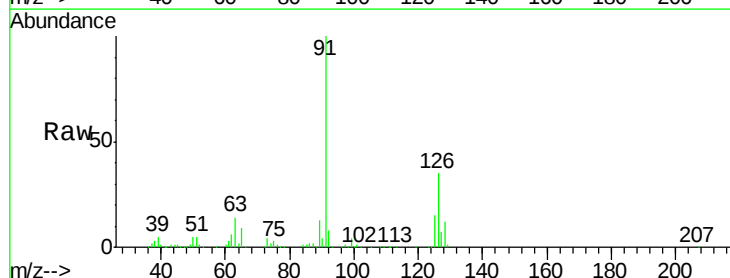
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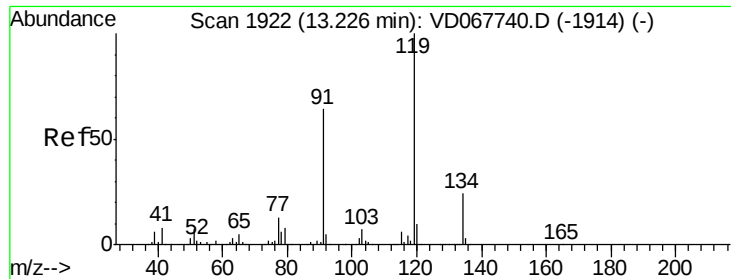
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#82
4-Chlorotoluene
Concen: 49.429 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VD067740.D
Acq: 23 Nov 2020 12:17

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.4	17.7	53.1





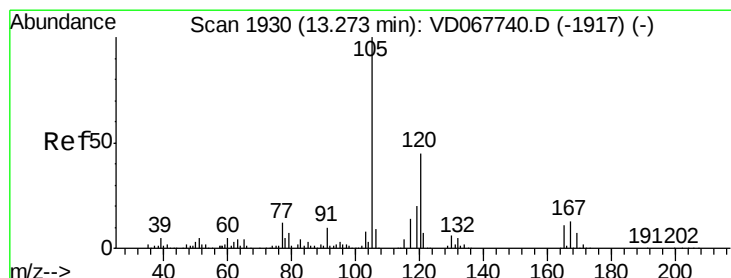
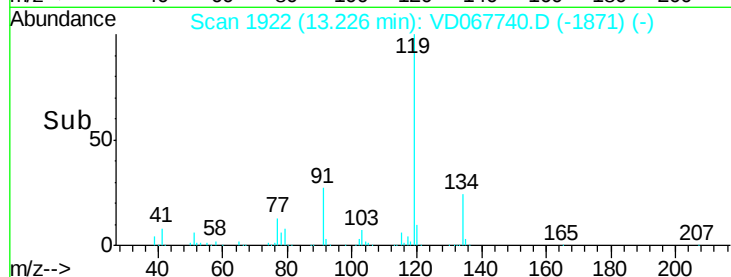
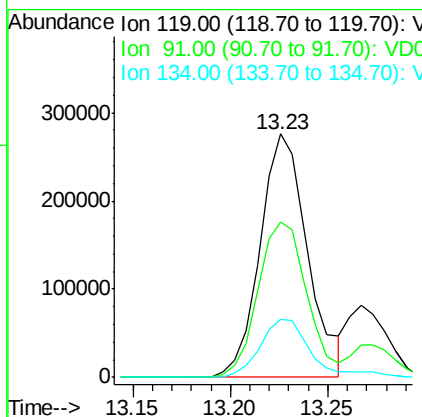
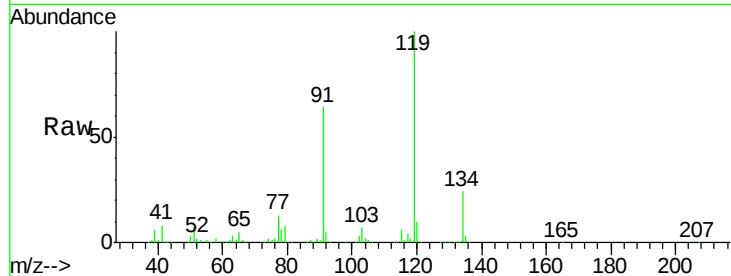
#83
tert-Butylbenzene
Concen: 51.507 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD067740.D
Acq: 23 Nov 2020 12:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	463761		
91	65.8	32.9	98.7	
134	25.7	12.9	38.6	

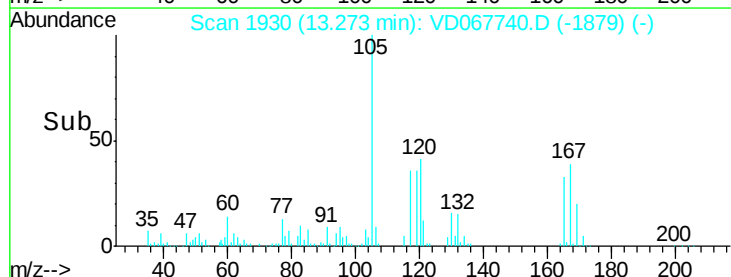
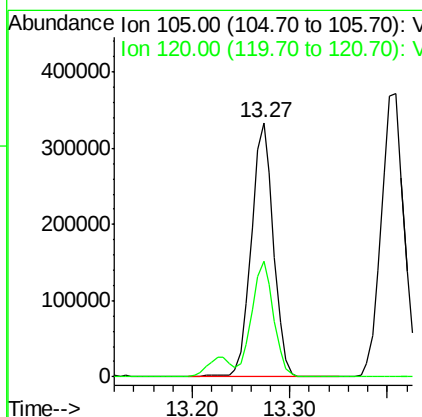
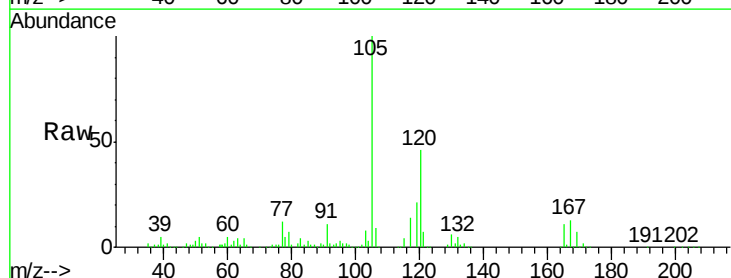
Manual Integrations
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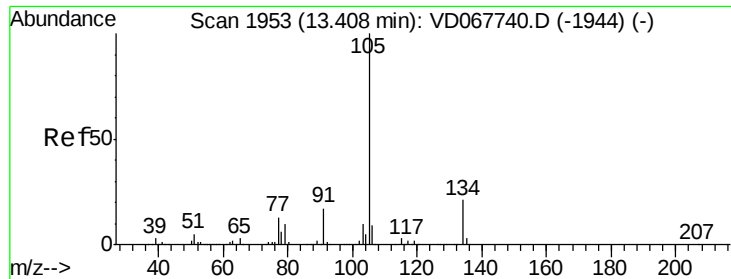
MMDadoda
11/24/2020 2:56:31 PM



#84
1,2,4-Trimethylbenzene
Concen: 50.461 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067740.D
Acq: 23 Nov 2020 12:17

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	530443		
120	45.1	22.6	67.7	





#85

sec-Butylbenzene

Concen: 50.385 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD067740.D

Acq: 23 Nov 2020 12:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 599067

Ion Ratio Lower Upper

105 100

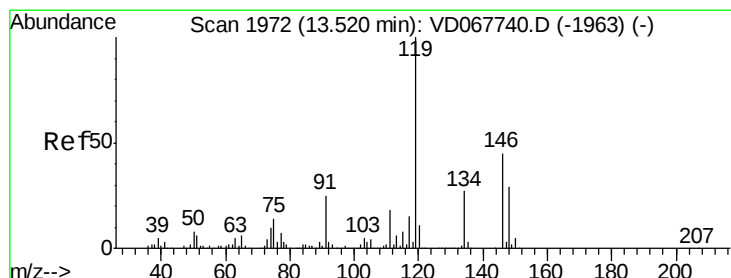
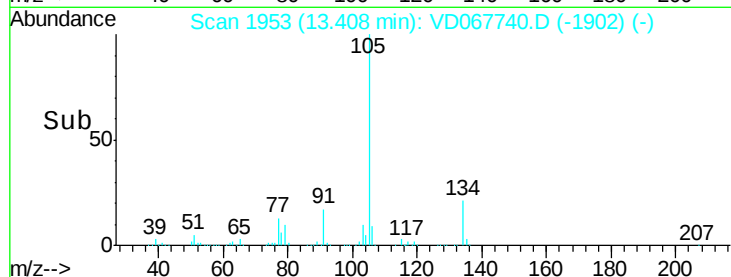
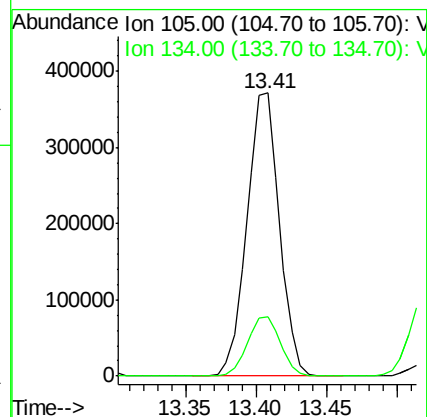
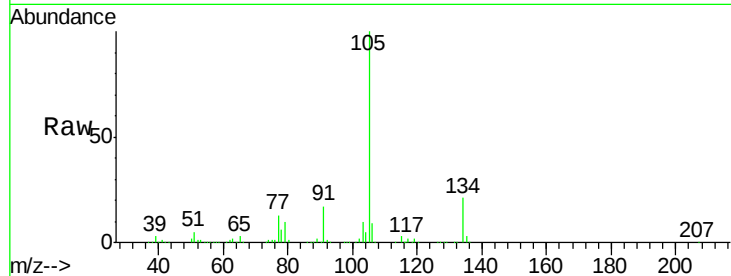
134 21.4 10.7 32.1

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 50.308 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD067740.D

Acq: 23 Nov 2020 12:17

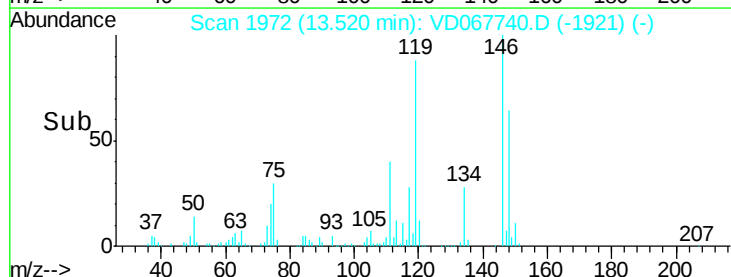
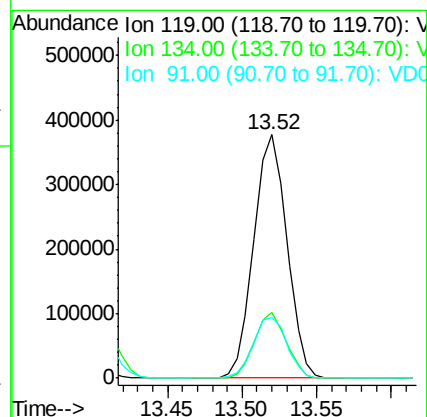
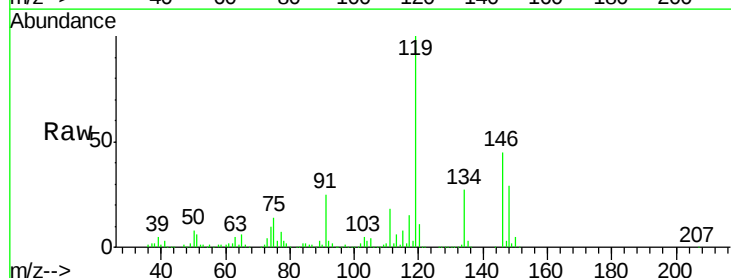
Tgt Ion:119 Resp: 578470

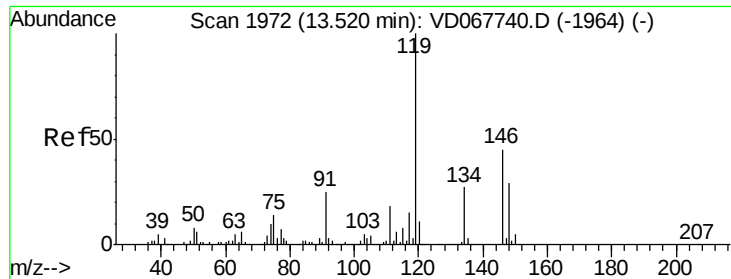
Ion Ratio Lower Upper

119 100

134 25.9 13.0 38.9

91 25.4 12.7 38.1





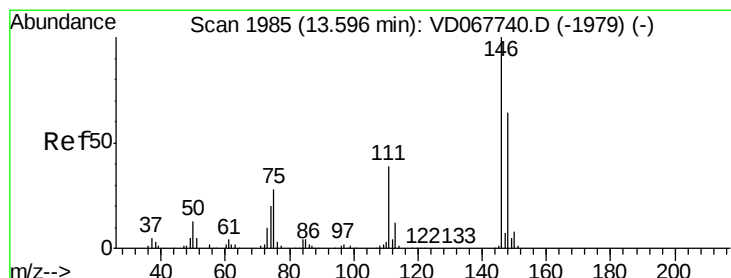
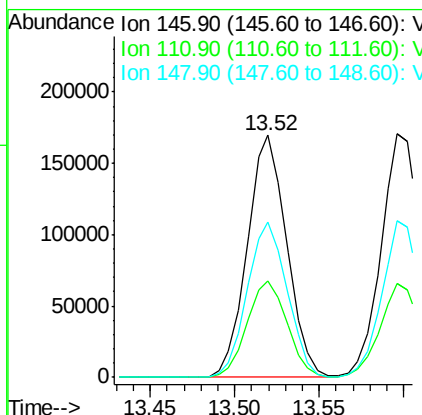
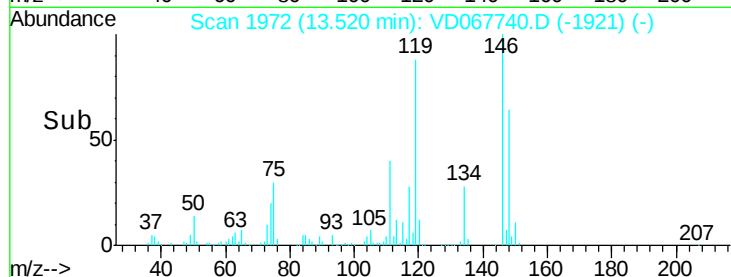
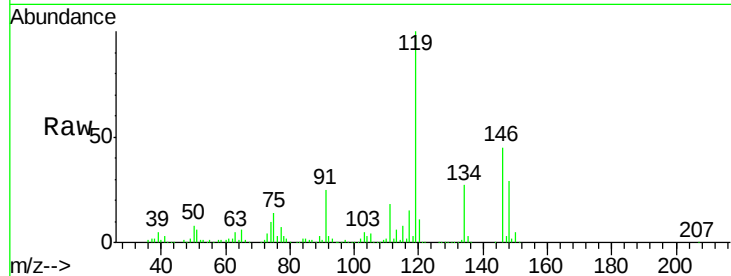
#87
 1,3-Dichlorobenzene
 Concen: 46.734 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD067740.D
 Acq: 23 Nov 2020 12:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.2	60.6
148	64.9	32.5	97.4

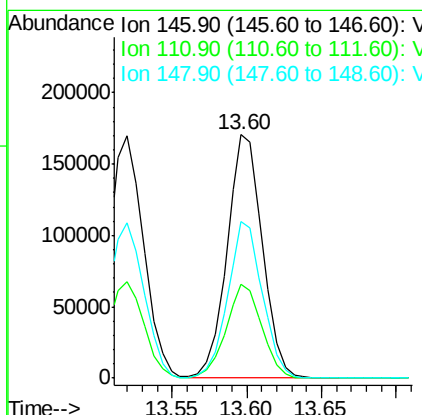
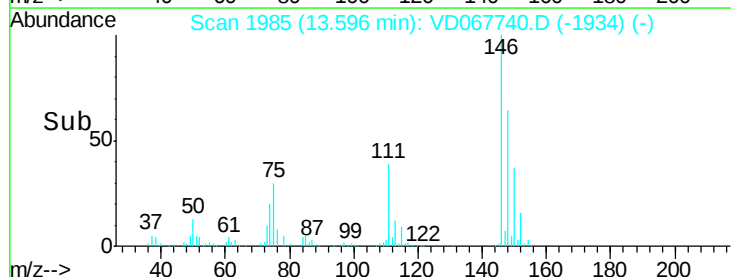
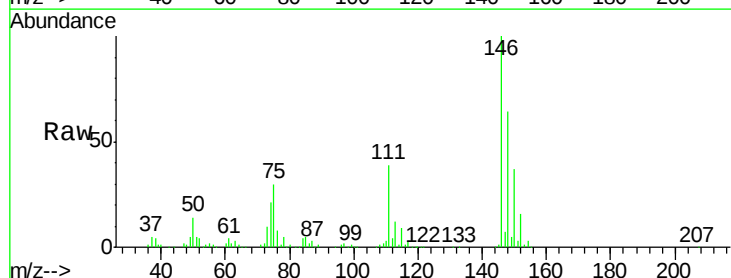
Manual Integrations
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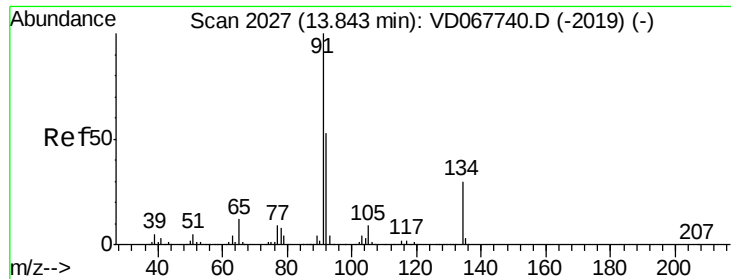
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#88
 1,4-Dichlorobenzene
 Concen: 47.809 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. 0.00 min
 Lab File: VD067740.D
 Acq: 23 Nov 2020 12:17

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.4	58.4
148	63.2	31.6	94.8





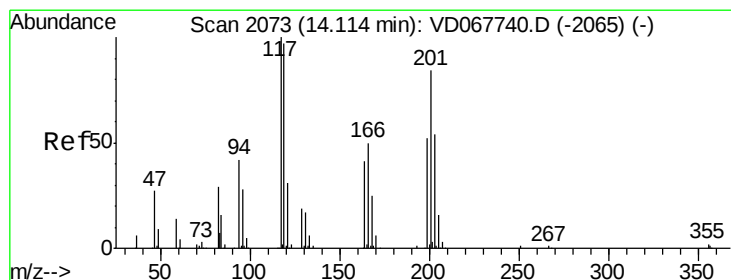
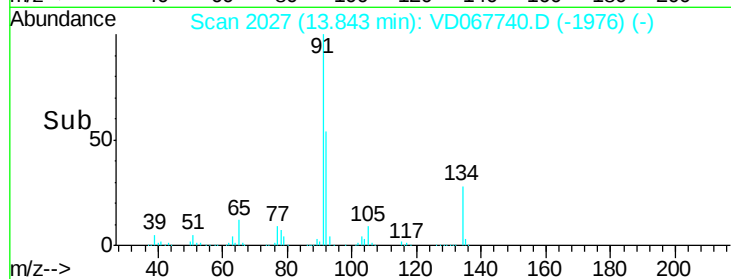
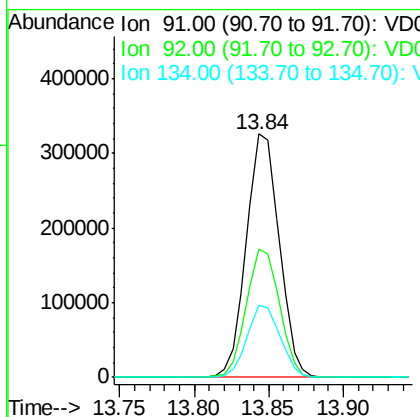
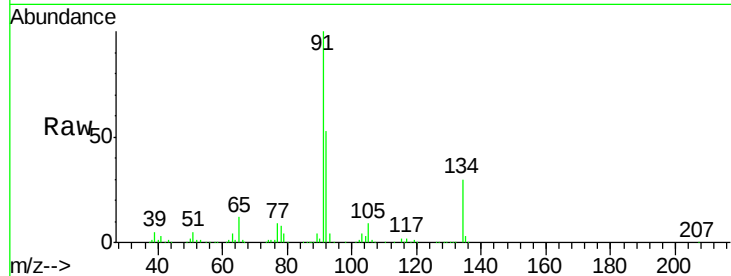
#89
n-Butylbenzene
Concen: 50.483 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. 0.00 min
Lab File: VD067740.D
Acq: 23 Nov 2020 12:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100	496919		
92	53.1	26.6	79.7	
134	29.5	14.8	44.3	

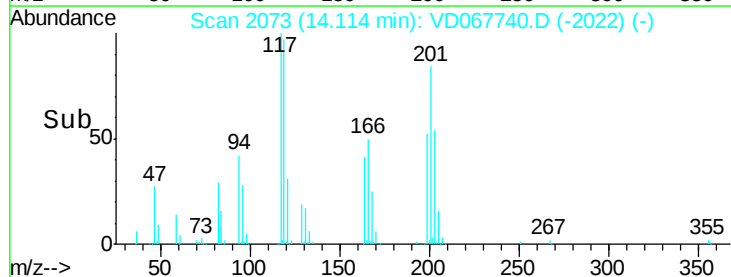
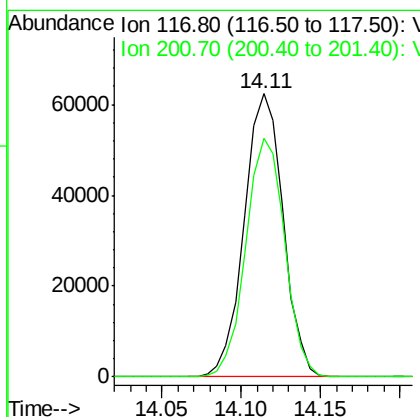
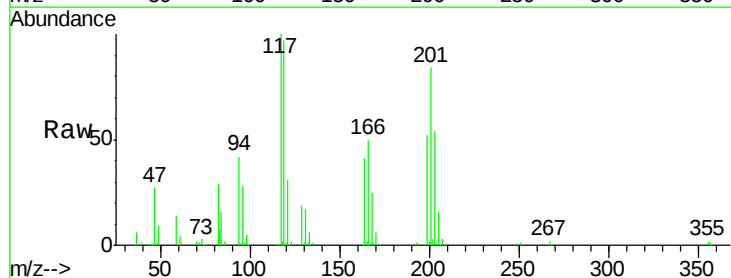
Manual Integrations
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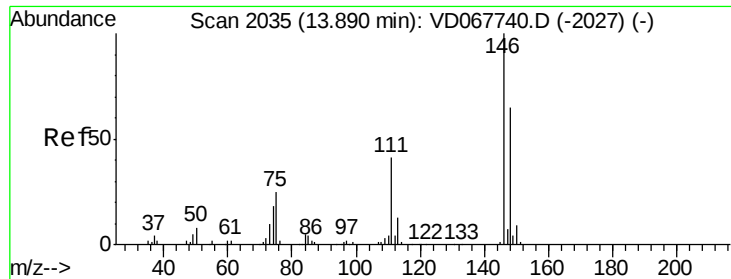
MMDadoda
11/24/2020 2:56:31 PM



#90
Hexachloroethane
Concen: 48.625 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD067740.D
Acq: 23 Nov 2020 12:17

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	106544		
201	84.4	42.2	126.6	





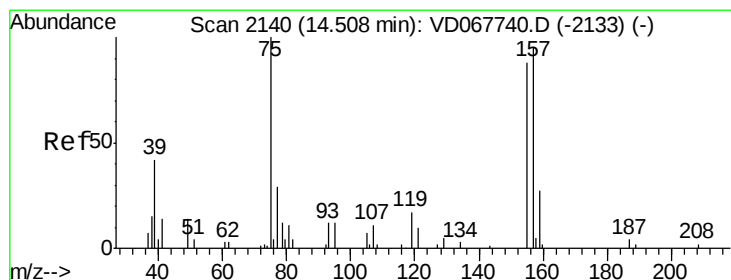
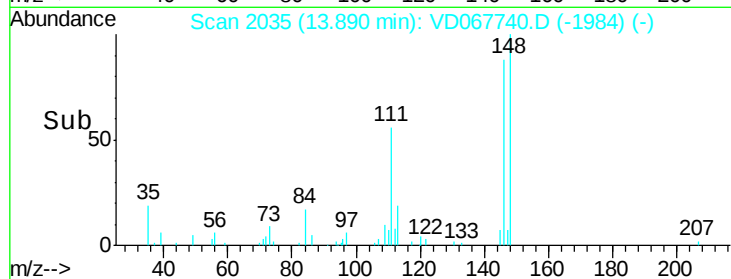
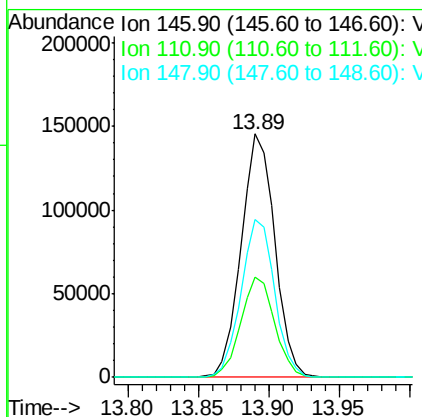
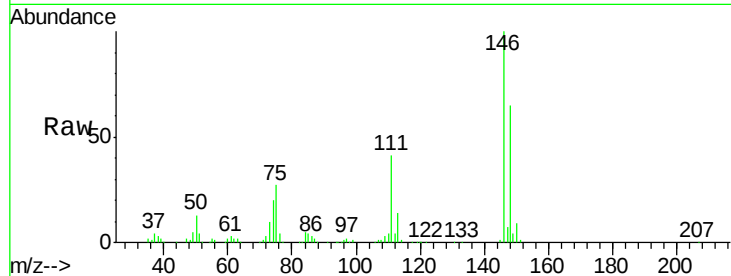
#91
 1,2-Dichlorobenzene
 Concen: 47.821 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VD067740.D
 Acq: 23 Nov 2020 12:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.8	62.5
148	64.8	32.4	97.2

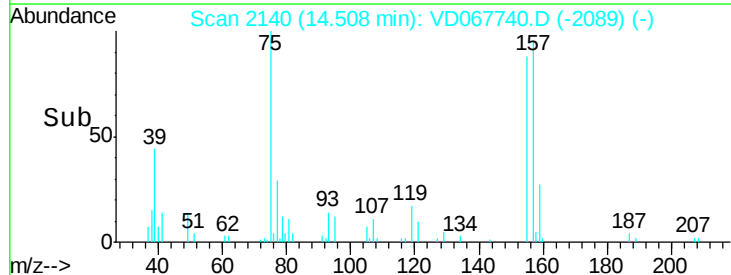
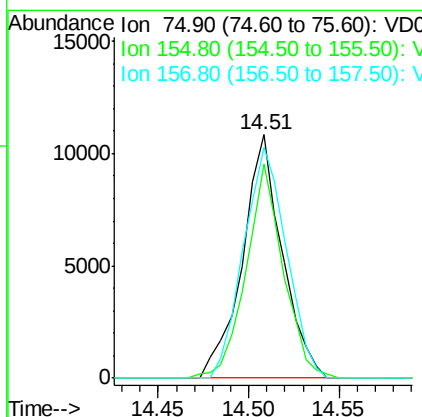
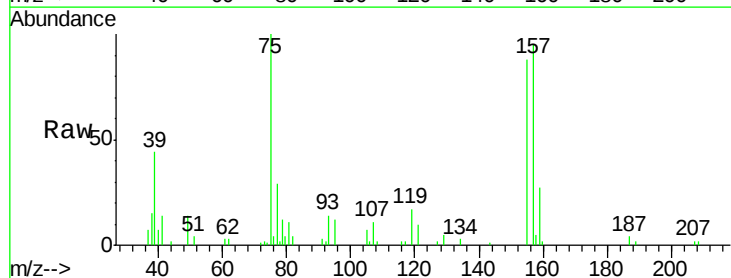
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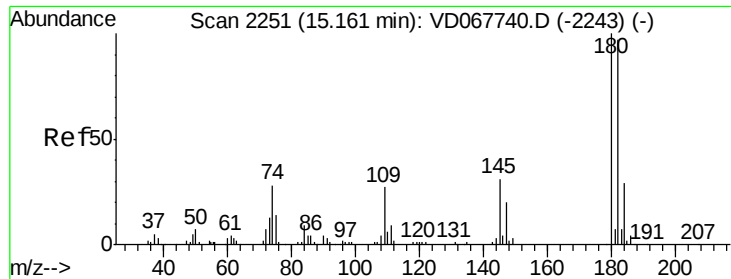
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.861 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. 0.00 min
 Lab File: VD067740.D
 Acq: 23 Nov 2020 12:17

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.0	41.0	123.0
157	102.3	51.1	153.4





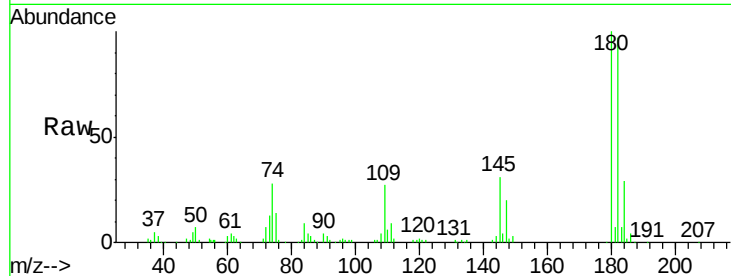
#93
 1,2,4-Trichlorobenzene
 Concen: 49.565 ug/l
 RT: 15.16 min Scan# 2251
 Delta R.T. 0.00 min
 Lab File: VD067740.D
 Acq: 23 Nov 2020 12:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

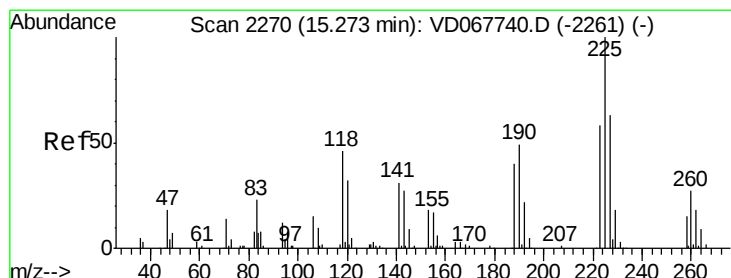
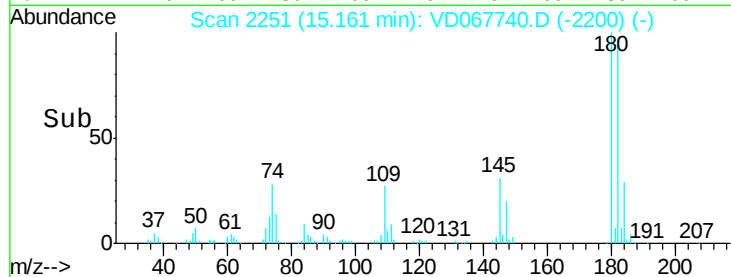
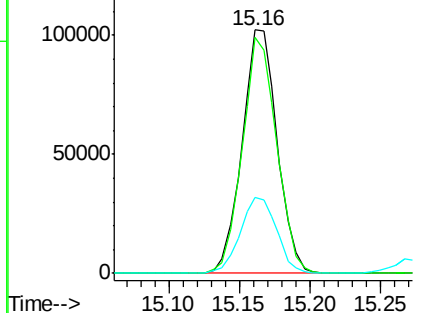
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.4	142.2
145	32.2	16.1	48.3

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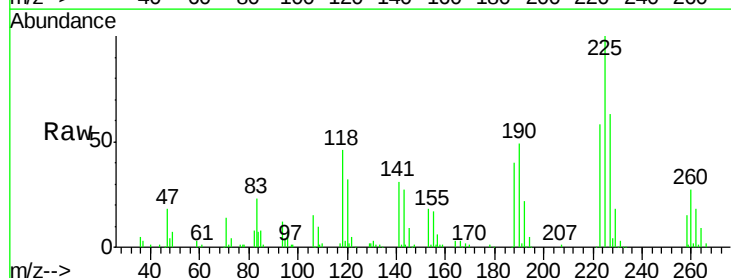


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

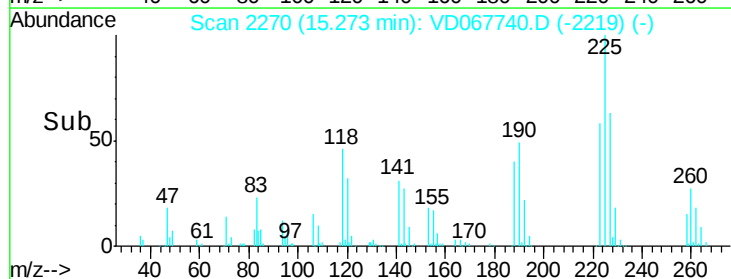
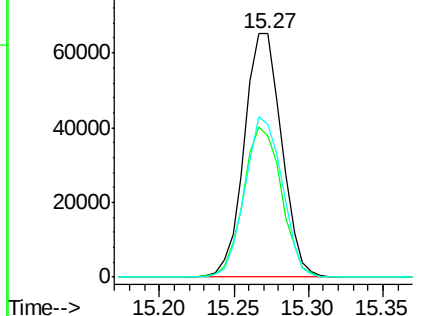


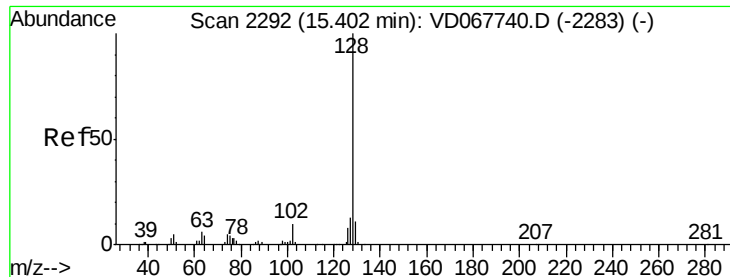
#94
 Hexachlorobutadiene
 Concen: 48.826 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD067740.D
 Acq: 23 Nov 2020 12:17

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	31.5	94.5
227	65.8	32.9	98.7



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





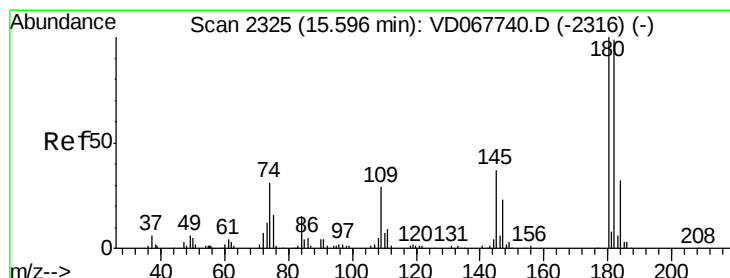
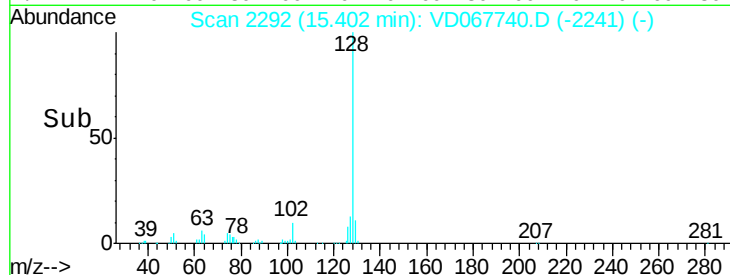
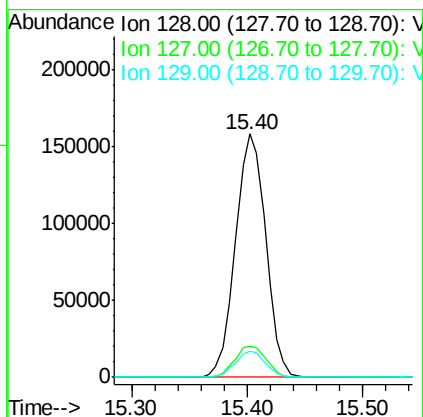
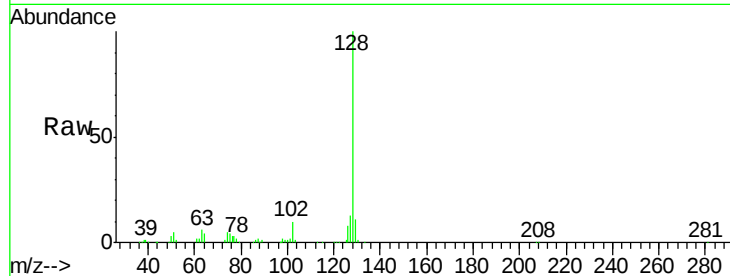
#95
Naphthalene
Concen: 49.461 ug/l
RT: 15.40 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VD067740.D
Acq: 23 Nov 2020 12:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.7	16.1
129	10.7	8.6	12.8

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#96
1,2,3-Trichlorobenzene
Concen: 50.179 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VD067740.D
Acq: 23 Nov 2020 12:17

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	48.0	144.0
145	33.6	16.8	50.4

