

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112320\
 Data File : VD067742.D
 Acq On : 23 Nov 2020 13:11
 Operator : VA/SY
 Sample : VSTDICC150
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 11/24/2020 2:56:35 PM

Quant Time: Nov 24 00:49:21 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	274743	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	391584	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	358437	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	173567	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	397291	147.14	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	294.28%#
35) Dibromofluoromethane	7.91	113	379952	151.56	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	303.12%#
50) Toluene-d8	10.34	98	1346779	148.02	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	296.04%#
62) 4-Bromofluorobenzene	12.64	95	470077	150.38	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	300.76%#

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	340515	140.652	ug/l	100
3) Chloromethane	2.21	50	202020	146.828	ug/l	100
4) Vinyl Chloride	2.34	62	248845	144.896	ug/l	97
5) Bromomethane	2.74	94	212224	144.286	ug/l	100
6) Chloroethane	2.91	64	163579	144.284	ug/l	100
7) Trichlorofluoromethane	3.27	101	723100	139.095	ug/l	99
8) Diethyl Ether	3.71	74	153698	146.501	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	339737	137.168	ug/l	99
10) Methyl Iodide	4.30	142	441302	173.658	ug/l	99
11) Tert butyl alcohol	5.22	59	94948	470.850	ug/l #	81
12) 1,1-Dichloroethene	4.07	96	326282	143.238	ug/l	100
13) Acrolein	3.92	56	86661	777.563	ug/l	93
14) Allyl chloride	4.71	41	339335	155.034	ug/l	99
15) Acrylonitrile	5.42	53	265586	746.925	ug/l	98
16) Acetone	4.16	43	258999	724.117	ug/l	96
17) Carbon Disulfide	4.41	76	971097	145.468	ug/l	100
18) Methyl Acetate	4.71	43	104797	151.822	ug/l	96
19) Methyl tert-butyl Ether	5.48	73	755896	155.171	ug/l	98
20) Methylene Chloride	4.97	84	356927	100.660	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	370835	145.442	ug/l	98
22) Diisopropyl ether	6.36	45	649004	150.661	ug/l	95
23) Vinyl Acetate	6.31	43	1967497	804.372	ug/l	98
24) 1,1-Dichloroethane	6.27	63	533813	143.197	ug/l	99
25) 2-Butanone	7.21	43	284312	744.491	ug/l	96
26) 2,2-Dichloropropane	7.21	77	605193	138.650	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	402499	146.270	ug/l	99
28) Bromochloromethane	7.55	49	175677	147.582	ug/l	99
29) Tetrahydrofuran	7.57	42	167772	749.482	ug/l	96
30) Chloroform	7.71	83	675977	139.818	ug/l	99
31) Cyclohexane	7.98	56	423409	131.360	ug/l	93
32) 1,1,1-Trichloroethane	7.90	97	718378	139.453	ug/l	99
36) 1,1-Dichloropropene	8.11	75	496200	146.373	ug/l	99
37) Ethyl Acetate	7.30	43	130302	146.323	ug/l	98
38) Carbon Tetrachloride	8.10	117	693778	139.477	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	591574	146.943	ug/l	99
40) Benzene	8.36	78	1309987	140.121	ug/l	98
41) Methacrylonitrile	7.53	41	77798	188.107	ug/l	96
42) 1,2-Dichloroethane	8.43	62	451877	143.872	ug/l	100
43) Isopropyl Acetate	8.46	43	282079	156.545	ug/l	97
44) Trichloroethene	9.11	130	447416	143.542	ug/l	99
45) 1,2-Dichloropropane	9.39	63	272316	143.259	ug/l	98
46) Dibromomethane	9.48	93	186959	146.445	ug/l	96
47) Bromodichloromethane	9.67	83	529775	146.815	ug/l	96
48) Methyl methacrylate	9.46	41	137906	154.500	ug/l	97
49) 1,4-Dioxane	9.47	88	41959	3030.259	ug/l	92
51) 4-Methyl-2-Pentanone	10.23	43	631004	750.522	ug/l	98
52) Toluene	10.41	92	898654	142.495	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	467740	148.826	ug/l	95
54) cis-1,3-Dichloropropene	10.09	75	526183	147.884	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	244760	141.219	ug/l	95
56) Ethyl methacrylate	10.67	69	281212	156.992	ug/l	99
57) 1,3-Dichloropropane	10.95	76	401490	147.897	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	679926	812.796	ug/l	99
59) 2-Hexanone	10.98	43	456397	760.654	ug/l	99
60) Dibromochloromethane	11.14	129	387726	146.758	ug/l	98
61) 1,2-Dibromoethane	11.25	107	250092	145.934	ug/l	100
64) Tetrachloroethene	10.88	164	388701	137.920	ug/l	92
65) Chlorobenzene	11.67	112	995579	140.229	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	413684	145.444	ug/l	98
67) Ethyl Benzene	11.75	91	1777371	145.843	ug/l	99
68) m/p-Xylenes	11.86	106	1367995	287.096	ug/l	100
69) o-Xylene	12.18	106	638765	147.426	ug/l	98
70) Styrene	12.20	104	1068294	142.727	ug/l	99
71) Bromoform	12.36	173	224757	145.142	ug/l #	99
73) Isopropylbenzene	12.48	105	1770494	152.057	ug/l	100
74) N-amyl acetate	12.29	43	246302	163.284	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	230297	148.413	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	175854m	130.004	ug/l	
77) Bromobenzene	12.76	156	429768	148.239	ug/l	98
78) n-propylbenzene	12.83	91	1960965	151.852	ug/l	99
79) 2-Chlorotoluene	12.91	91	1143815	150.552	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	1527263	149.428	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	80658	155.717	ug/l	96
82) 4-Chlorotoluene	13.01	91	1205423	148.676	ug/l	100
83) tert-Butylbenzene	13.23	119	1337707	155.313	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	1511527	150.315	ug/l	100
85) sec-Butylbenzene	13.40	105	1722991	151.488	ug/l	100
86) p-Isopropyltoluene	13.52	119	1664506	151.328	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	804321	142.370	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	795852	141.362	ug/l	99
89) n-Butylbenzene	13.84	91	1415072	150.284	ug/l	99
90) Hexachloroethane	14.11	117	322756	153.985	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	703735	144.839	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	48243	146.084	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	522213	151.766	ug/l	99
94) Hexachlorobutadiene	15.27	225	328060	148.632	ug/l	97
95) Naphthalene	15.40	128	899787	161.380	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	448208	153.406	ug/l	99

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

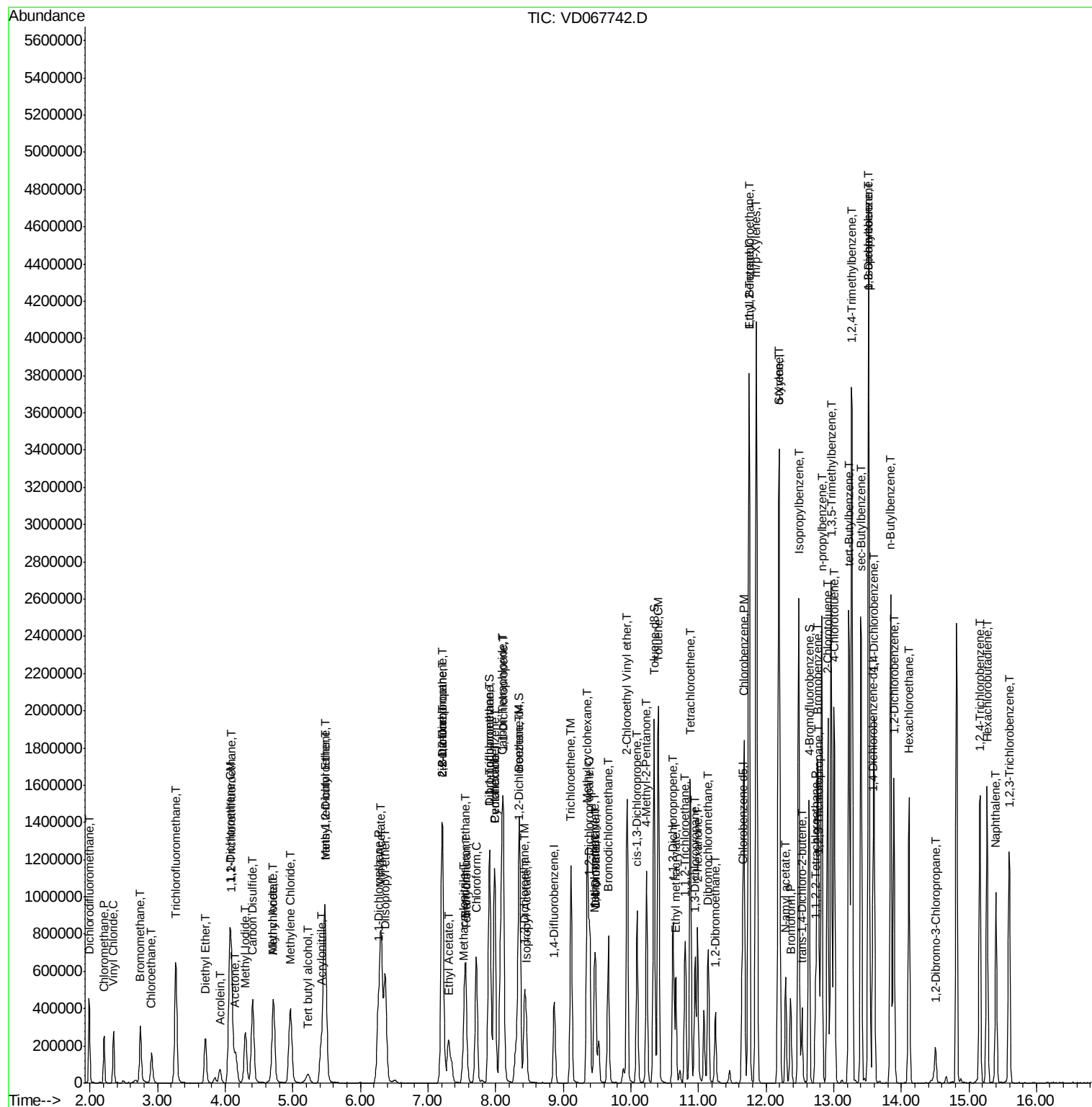
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD112320\
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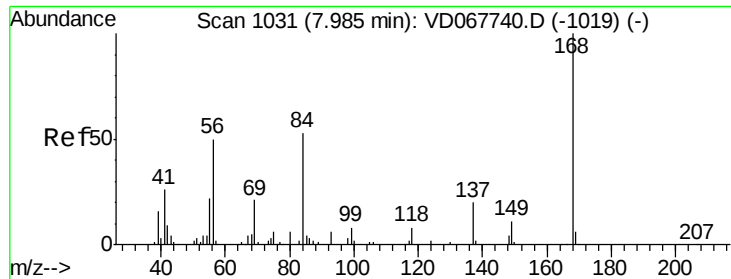
Instrument :
MSVOA_D
ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067742.D

Acq: 23 Nov 2020 13:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 274743

Ion Ratio Lower Upper

168 100

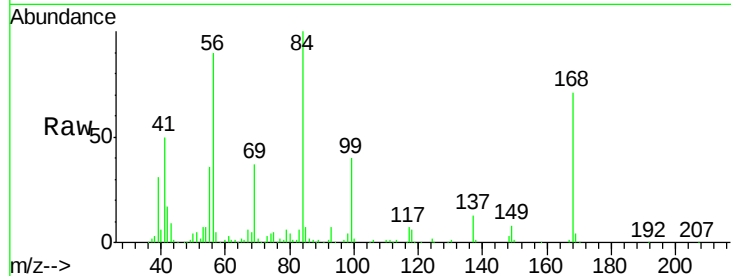
99 55.7 43.8 65.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

200000

150000

100000

50000

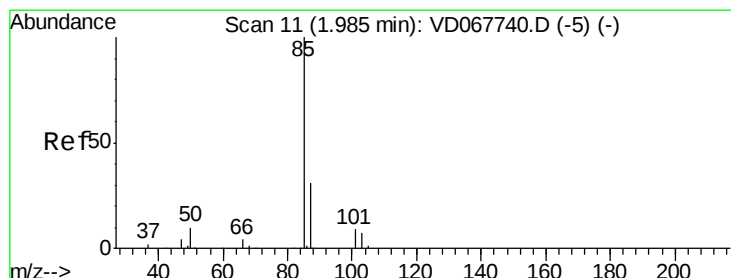
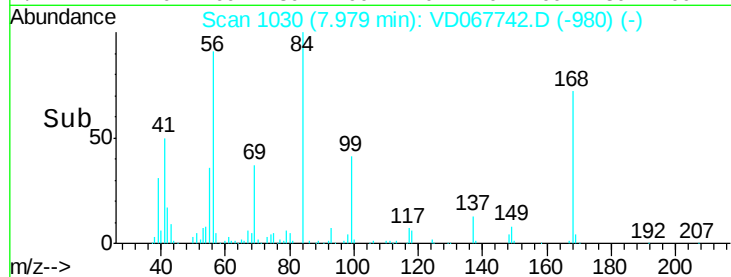
0

7.90

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 140.652 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067742.D

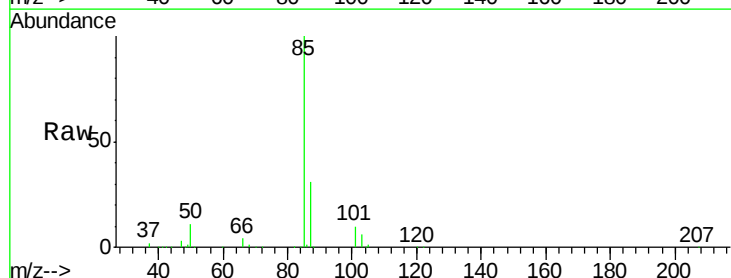
Acq: 23 Nov 2020 13:11

Tgt Ion: 85 Resp: 340515

Ion Ratio Lower Upper

85 100

87 30.9 15.5 46.5



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

300000

250000

200000

150000

100000

50000

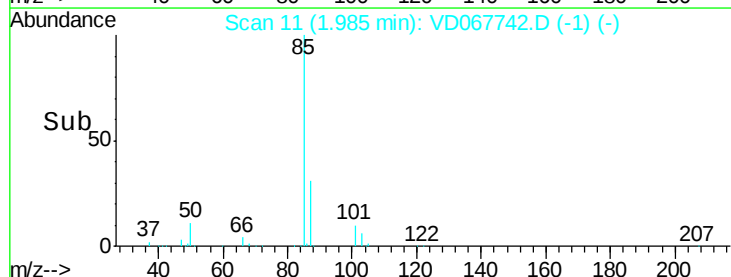
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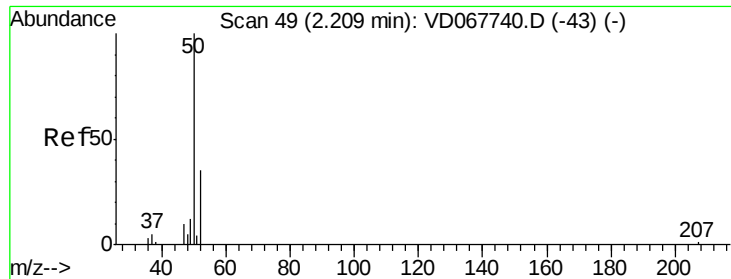
1.90

2.00

2.10

Time-->





#3

Chloromethane

Concen: 146.828 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD067742.D

Acq: 23 Nov 2020 13:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 202020

Ion Ratio Lower Upper

50 100

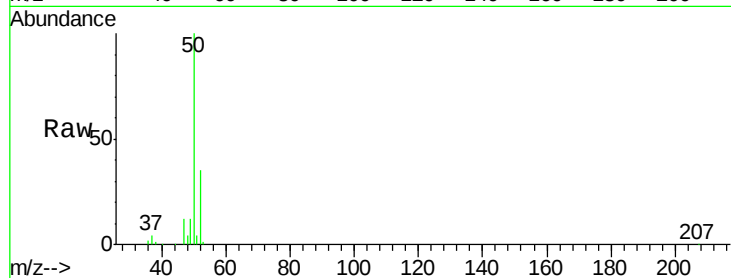
52 34.6 27.8 41.8

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

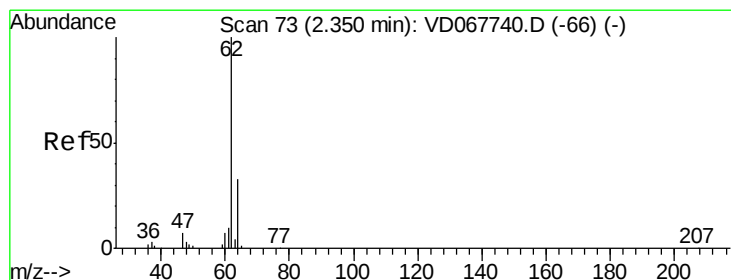
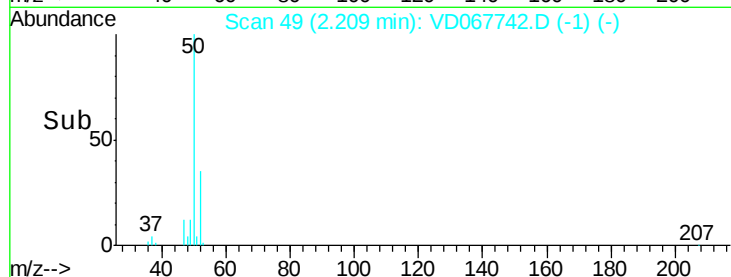
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 144.896 ug/l

RT: 2.34 min Scan# 72

Delta R.T. -0.01 min

Lab File: VD067742.D

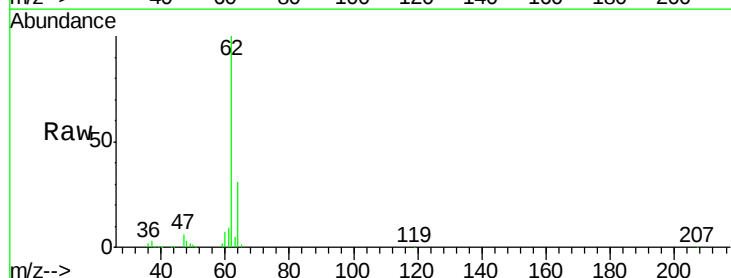
Acq: 23 Nov 2020 13:11

Tgt Ion: 62 Resp: 248845

Ion Ratio Lower Upper

62 100

64 31.4 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.34

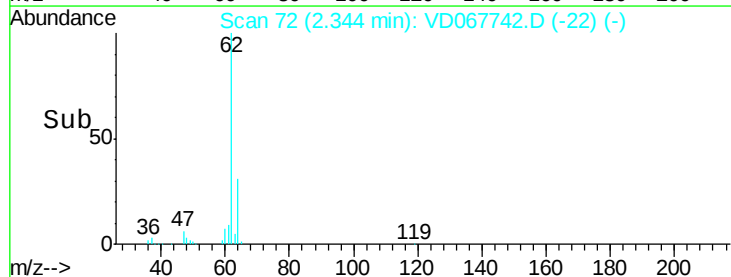
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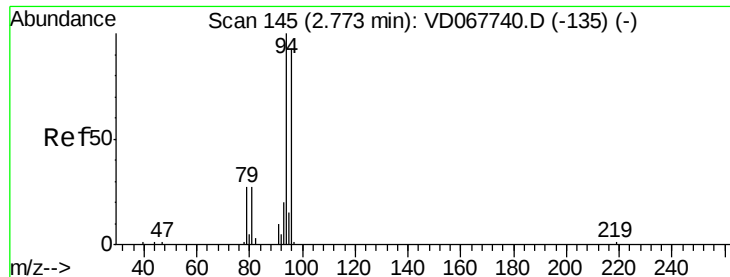
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50000

0

Time-->





#5

Bromomethane

Concen: 144.286 ug/l

RT: 2.74 min Scan# 140

Delta R.T. -0.03 min

Lab File: VD067742.D

Acq: 23 Nov 2020 13:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDICC150

Tot Ion: 94 Resp: 212224

Ion Ratio Lower Upper

94 100

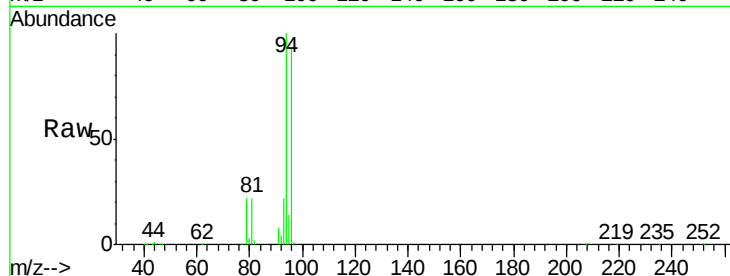
96 92.6 74.0 111.0

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.74

120000

100000

80000

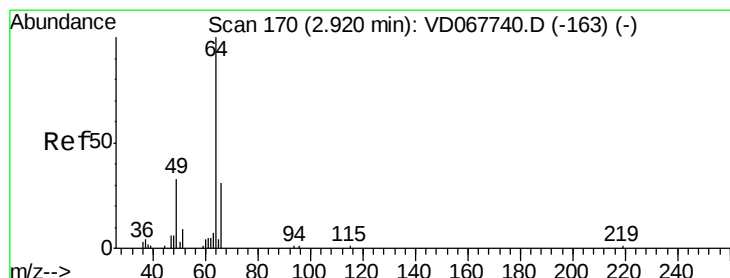
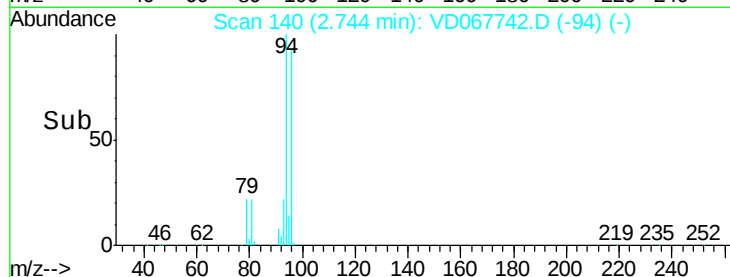
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 144.284 ug/l

RT: 2.91 min Scan# 168

Delta R.T. -0.01 min

Lab File: VD067742.D

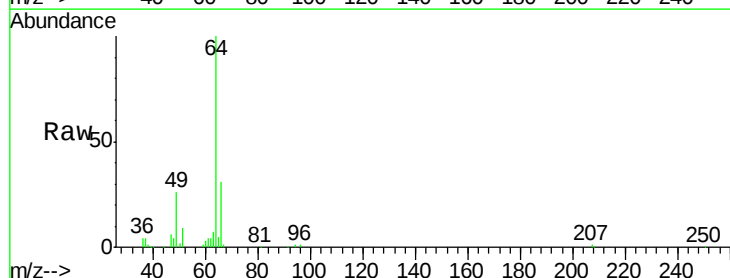
Acq: 23 Nov 2020 13:11

Tgt Ion: 64 Resp: 163579

Ion Ratio Lower Upper

64 100

66 31.2 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.91

80000

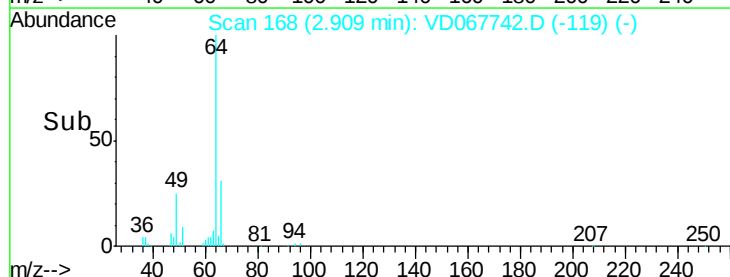
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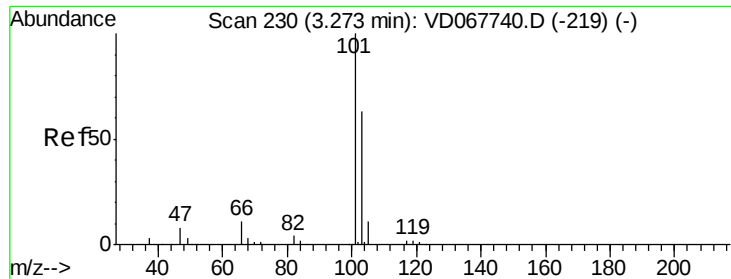
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Time-->





#7

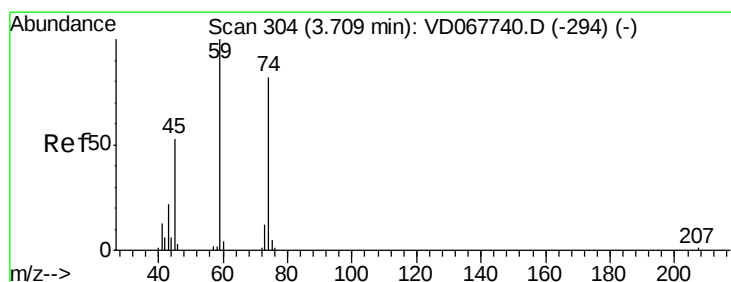
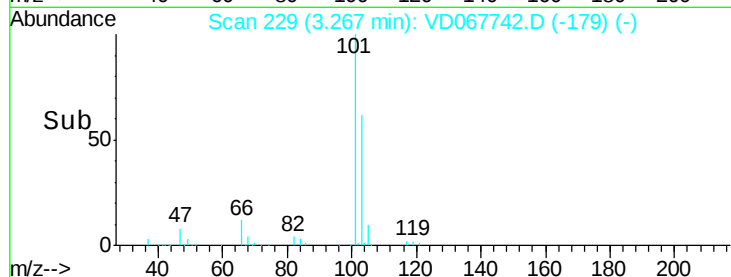
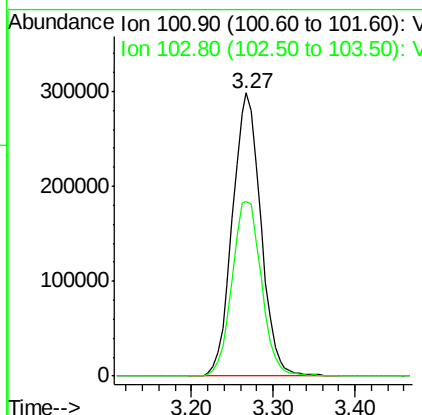
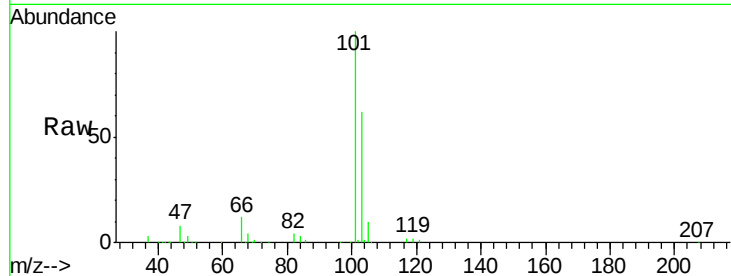
Trichlorofluoromethane
Concen: 139.095 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD067742.D
Acq: 23 Nov 2020 13:11

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	723100		
103	61.8	50.3	75.5	

Manual Integrations
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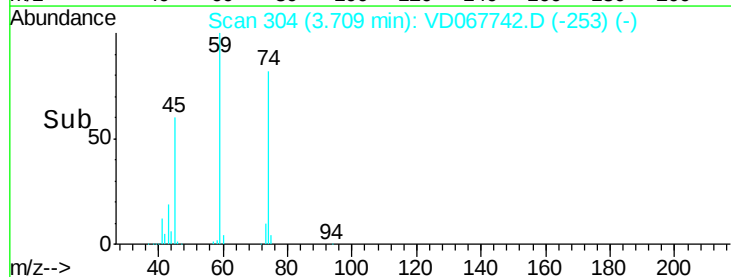
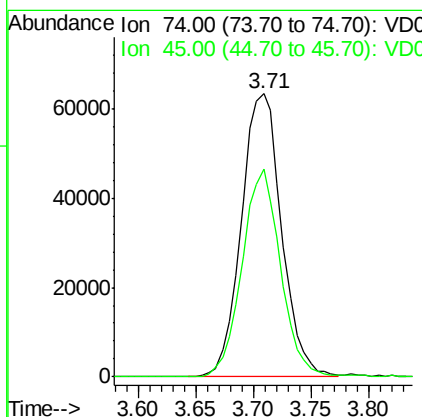
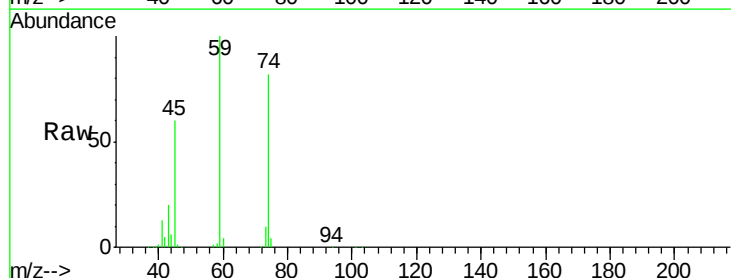
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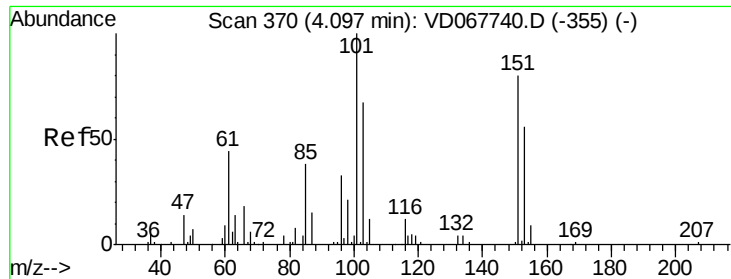


#8

Diethyl Ether
Concen: 146.501 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD067742.D
Acq: 23 Nov 2020 13:11

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	153698		
45	70.2	35.9	107.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 137.168 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD067742.D

Acq: 23 Nov 2020 13:11

Instrument :

MSVOA_D

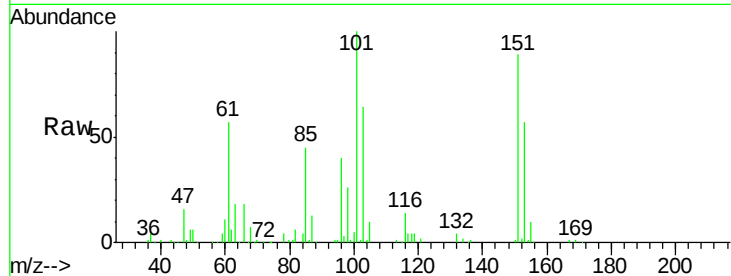
ClientSampleId :

VSTDIC150

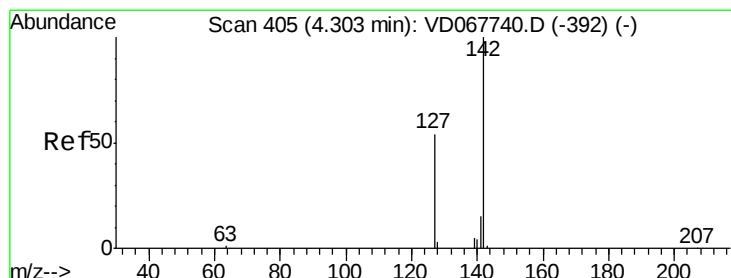
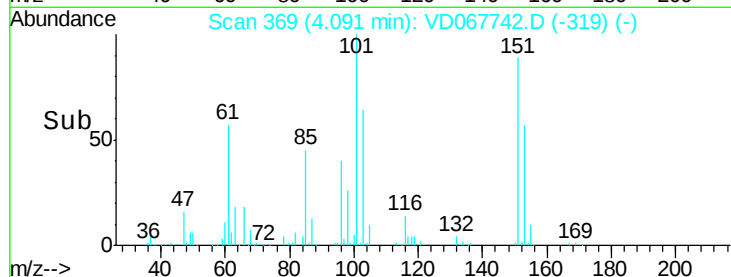
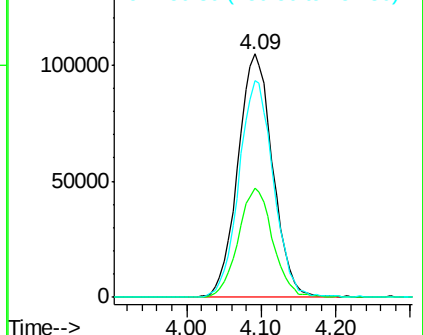
Tot Ion:	101	Resp:	339737
Ion Ratio	Lower	Upper	
101	100		
85	44.4	35.5	53.3
151	88.0	69.4	104.0

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



#10

Methyl Iodide

Concen: 173.658 ug/l

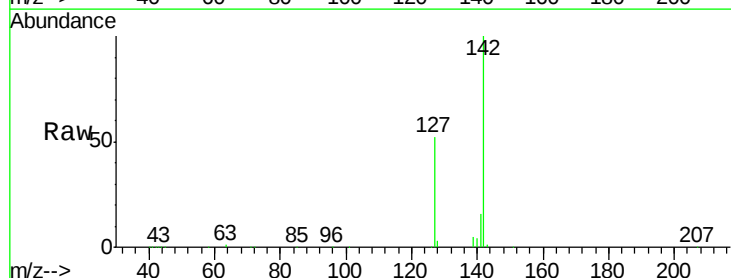
RT: 4.30 min Scan# 404

Delta R.T. -0.01 min

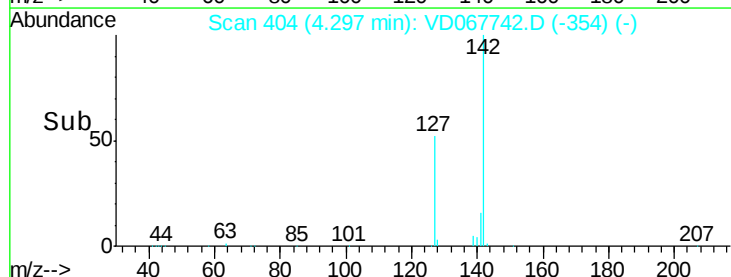
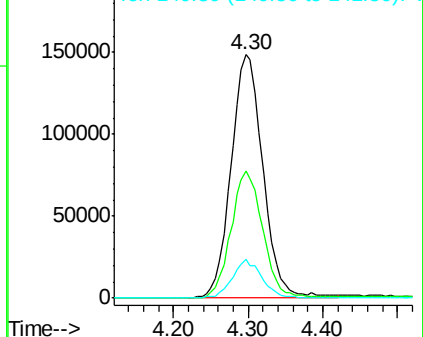
Lab File: VD067742.D

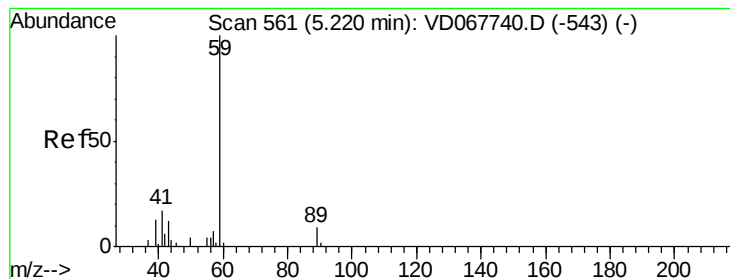
Acq: 23 Nov 2020 13:11

Tgt Ion:	142	Resp:	441302
Ion Ratio	Lower	Upper	
142	100		
127	52.2	42.2	63.2
141	14.7	11.8	17.6



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





#11

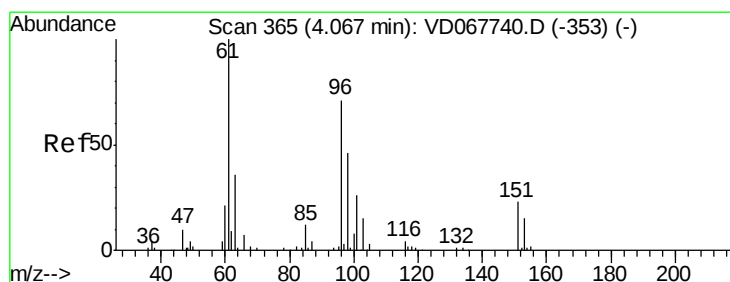
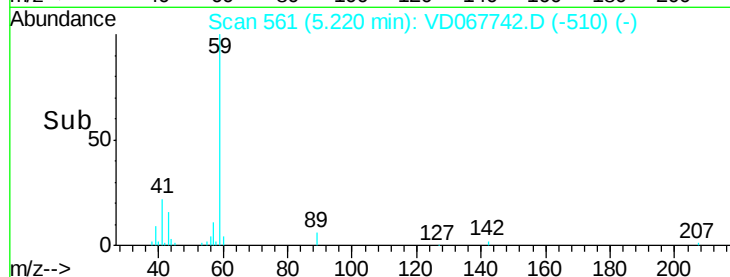
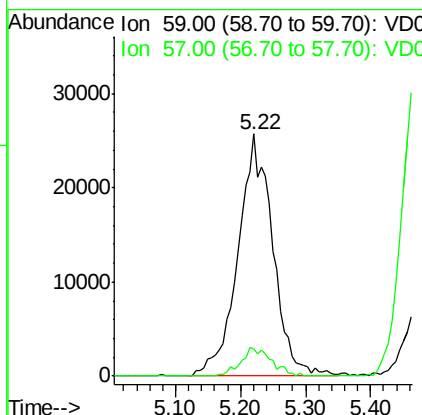
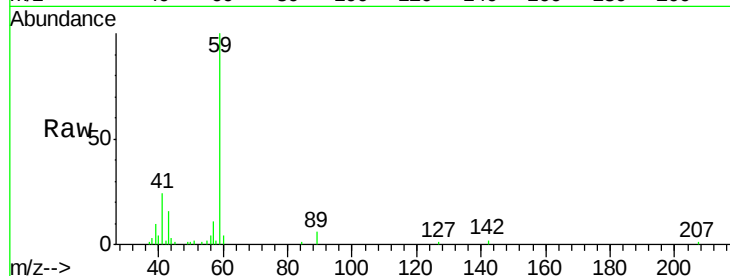
Tert butyl alcohol
Concen: 470.850 ug/l
RT: 5.22 min Scan# 561
Delta R.T. -0.00 min
Lab File: VD067742.D
Acq: 23 Nov 2020 13:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	3.4	5.0#

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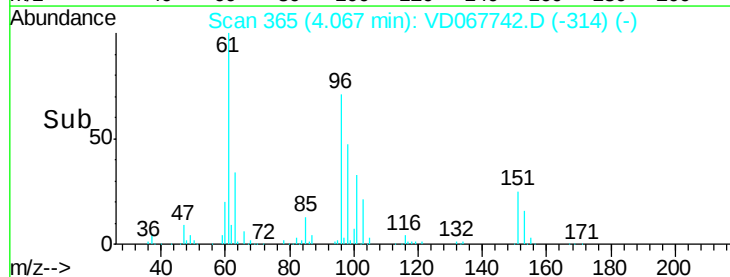
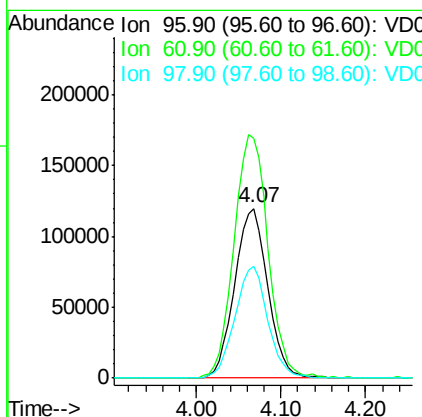
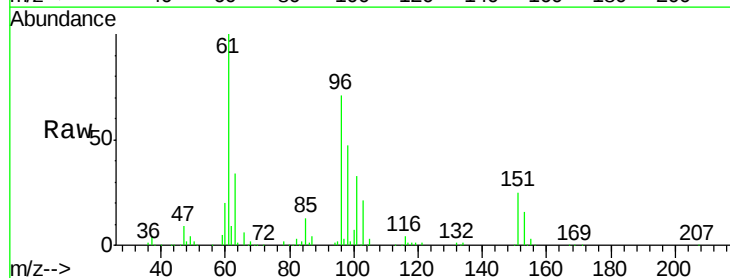
MMDadoda
11/24/2020 2:56:35 PM

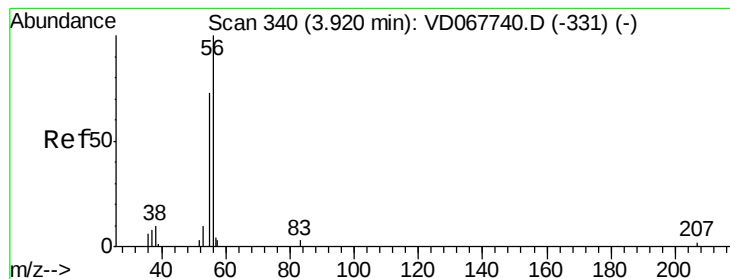


#12

1,1-Dichloroethene
Concen: 143.238 ug/l
RT: 4.07 min Scan# 365
Delta R.T. -0.00 min
Lab File: VD067742.D
Acq: 23 Nov 2020 13:11

Tgt Ion	Ratio	Lower	Upper
96	100		
61	141.3	112.9	169.3
98	65.8	52.4	78.6





#13

Acrolein

Concen: 777.563 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.00 min

Lab File: VD067742.D

Acq: 23 Nov 2020 13:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 86661

Ion Ratio Lower Upper

56 100

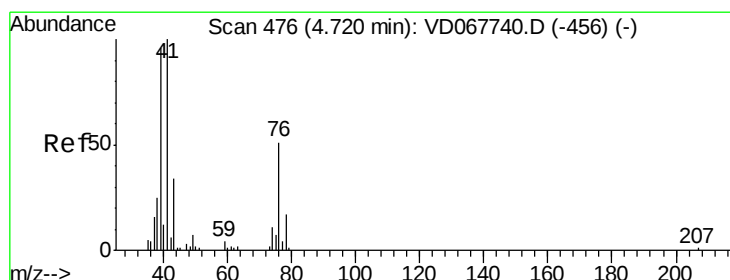
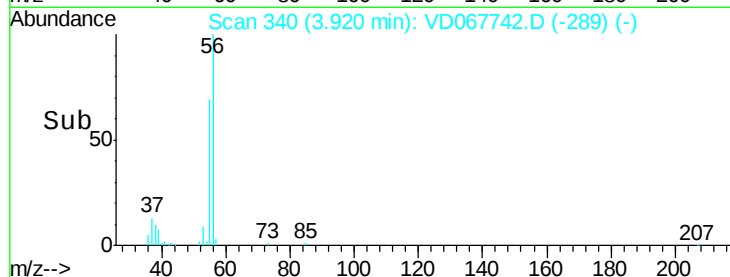
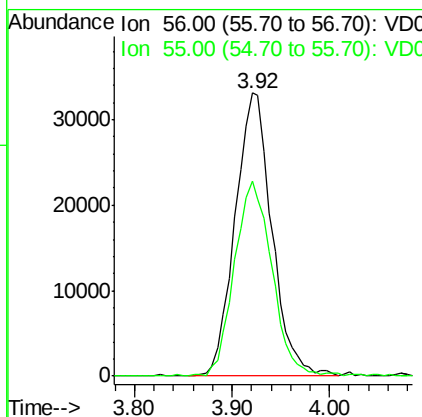
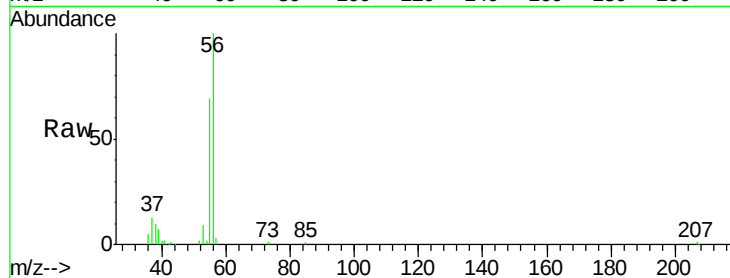
55 70.5 61.2 91.8

Manual Integrations

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#14

Allyl chloride

Concen: 155.034 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD067742.D

Acq: 23 Nov 2020 13:11

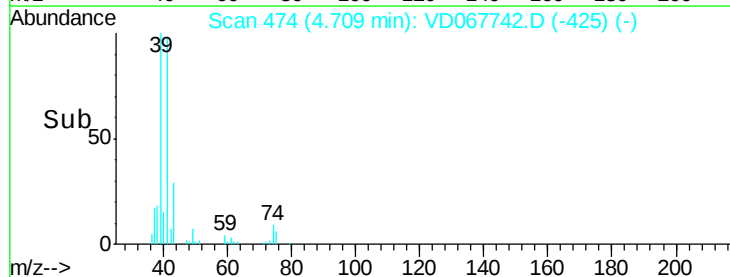
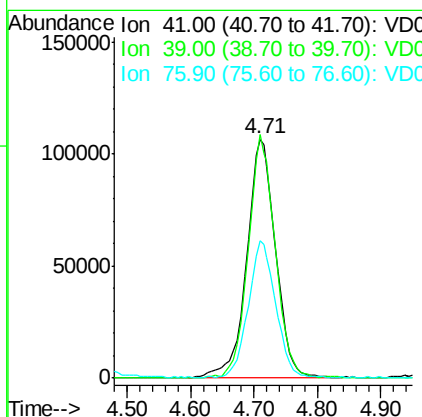
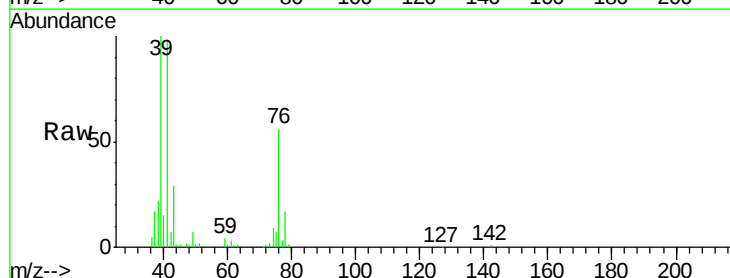
Tgt Ion: 41 Resp: 339335

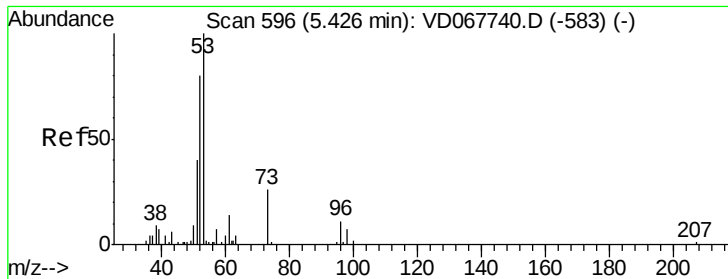
Ion Ratio Lower Upper

41 100

39 94.9 74.6 111.8

76 54.0 43.3 64.9





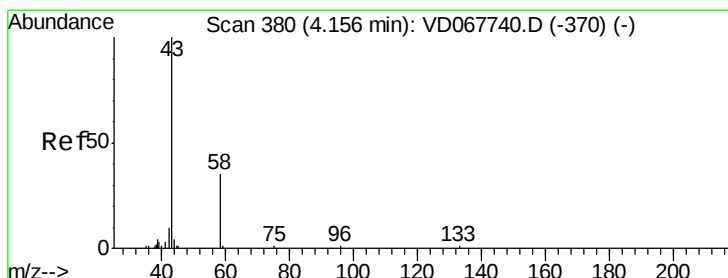
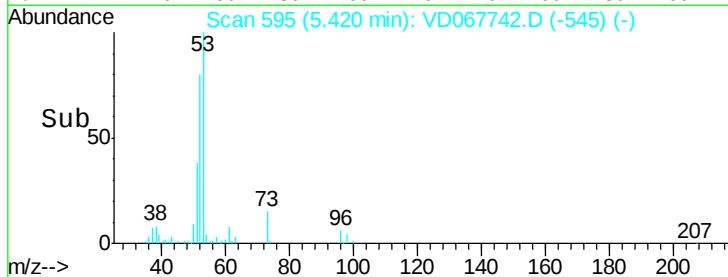
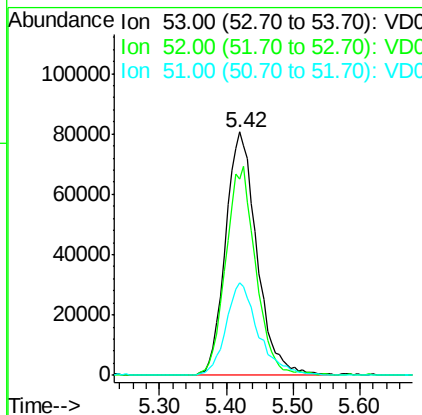
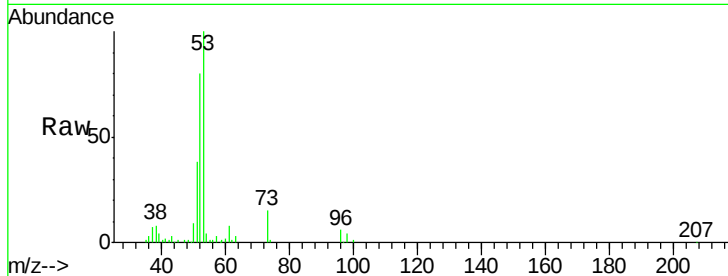
#15
 Acrylonitrile
 Concen: 746.925 ug/l
 RT: 5.42 min Scan# 595
 Delta R.T. -0.01 min
 Lab File: VD067742.D
 Acq: 23 Nov 2020 13:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.3	63.4	95.2
51	39.2	31.4	47.2

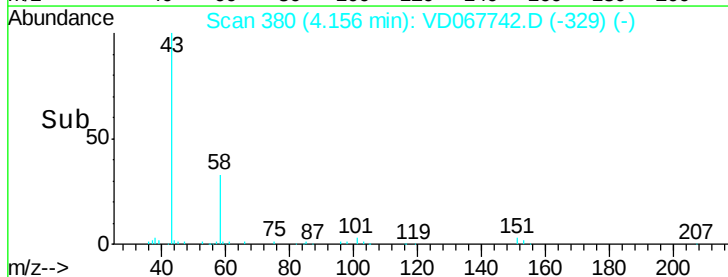
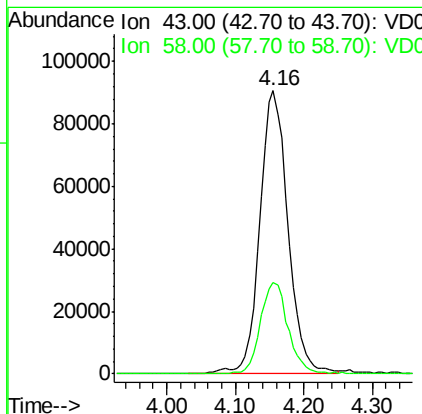
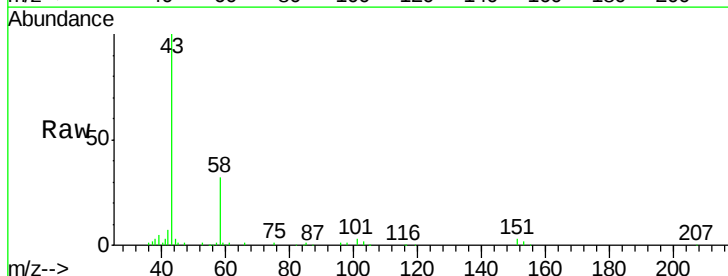
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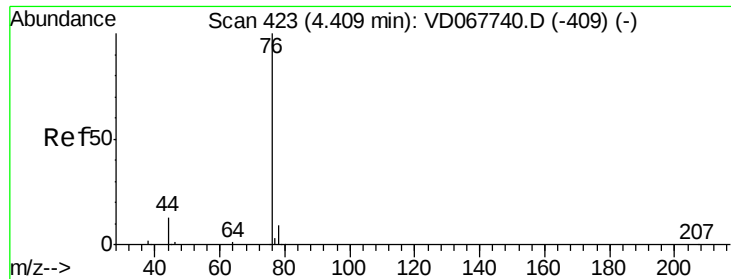
MMDadoda
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#16
 Acetone
 Concen: 724.117 ug/l
 RT: 4.16 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VD067742.D
 Acq: 23 Nov 2020 13:11

Tgt Ion	Ratio	Lower	Upper
43	100		
58	32.2	27.6	41.4





#17

Carbon Disulfide

Concen: 145.468 ug/l

RT: 4.41 min Scan# 423

Delta R.T. 0.00 min

Lab File: VD067742.D

Acq: 23 Nov 2020 13:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 971097

Ion Ratio Lower Upper

76 100

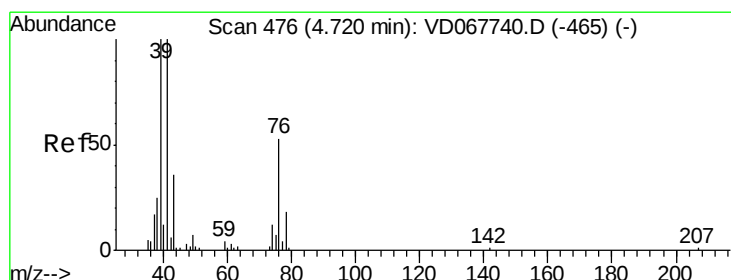
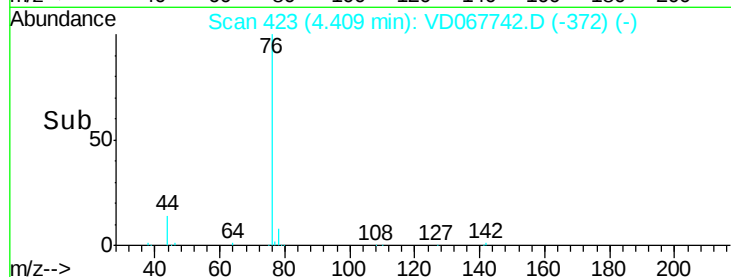
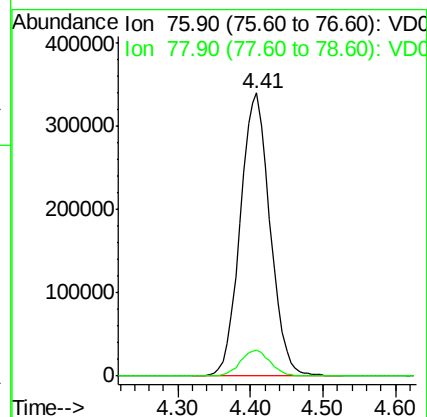
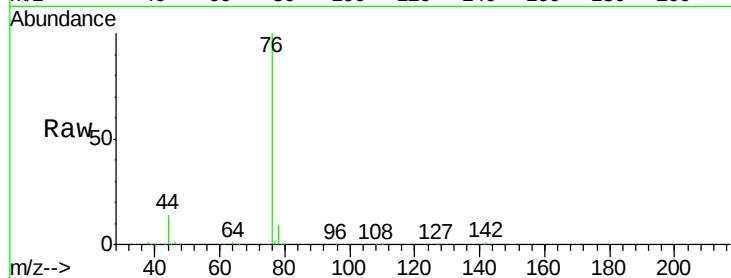
78 9.3 7.5 11.3

Manual Integrations

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#18

Methyl Acetate

Concen: 151.822 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.01 min

Lab File: VD067742.D

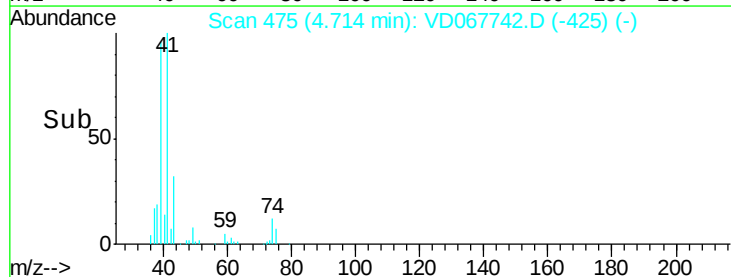
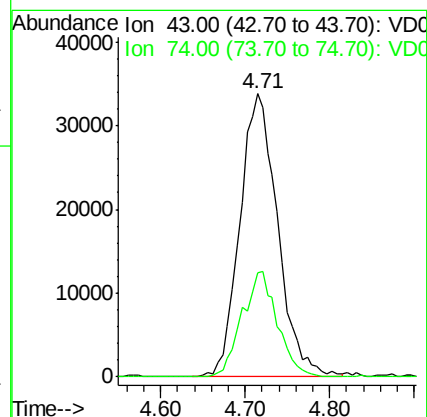
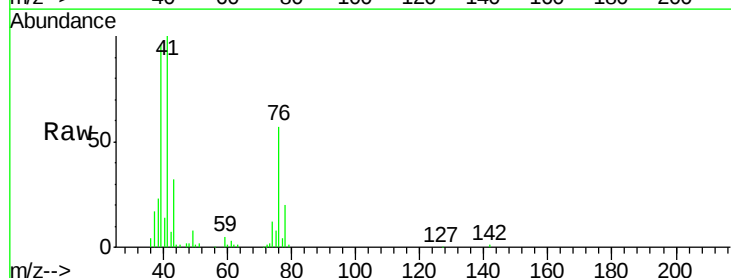
Acq: 23 Nov 2020 13:11

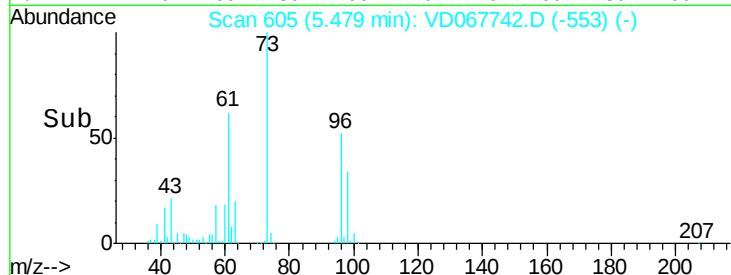
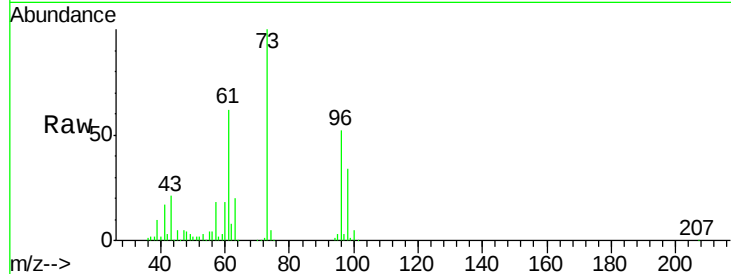
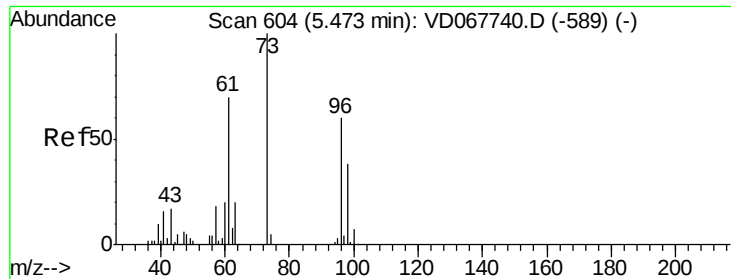
Tgt Ion: 43 Resp: 104797

Ion Ratio Lower Upper

43 100

74 34.8 29.7 44.5





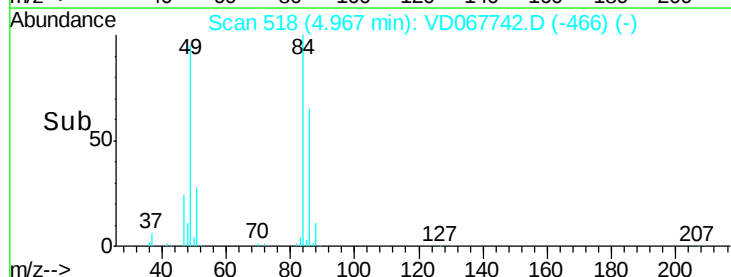
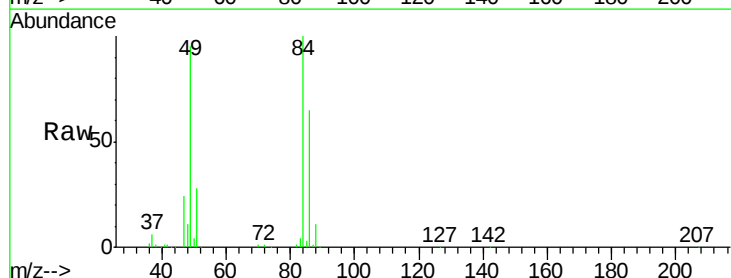
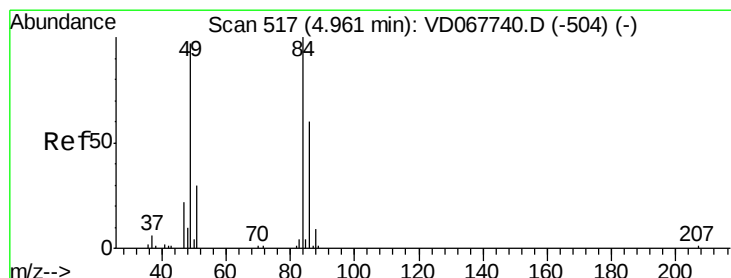
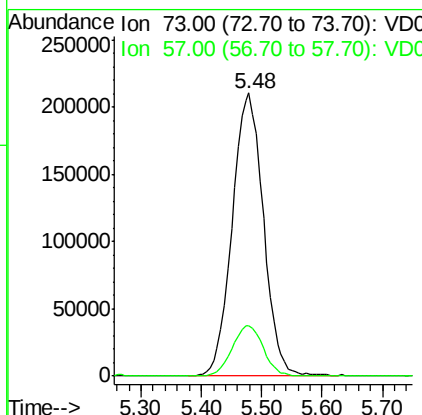
#19
Methvl tert-butvl Ether
Concen: 155.171 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.01 min
Lab File: VD067742.D
Acq: 23 Nov 2020 13:11

Tot Ion: 73 Resp: 755896
Ion Ratio Lower Upper
73 100
57 17.7 14.8 22.2

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

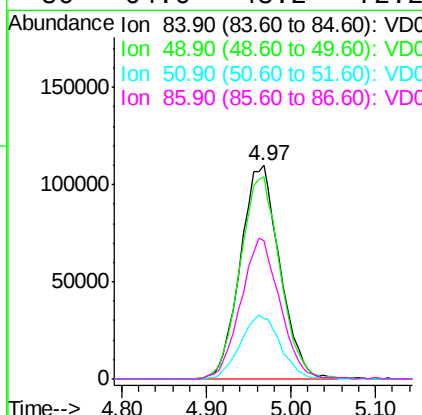
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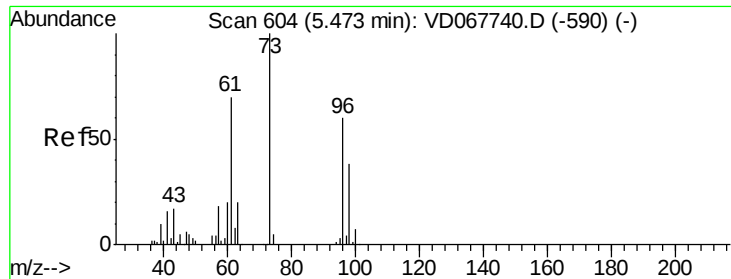
MMDadoda
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#20
Methylene Chloride
Concen: 100.660 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067742.D
Acq: 23 Nov 2020 13:11

Tgt Ion: 84 Resp: 356927
Ion Ratio Lower Upper
84 100
49 94.9 77.4 116.2
51 28.2 24.1 36.1
86 64.6 48.2 72.2





#21

trans-1,2-Dichloroethene

Concen: 145.442 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD067742.D

Acq: 23 Nov 2020 13:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 96 Resp: 370835

Ion Ratio Lower Upper

96 100

61 114.9 94.0 141.0

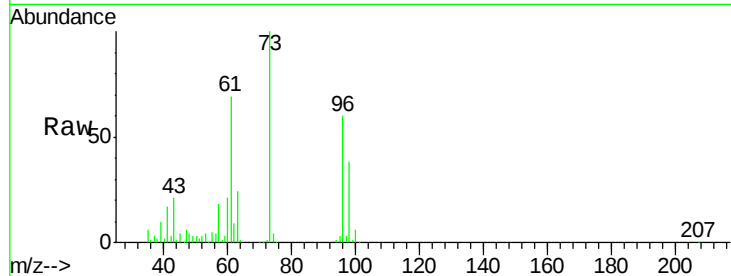
98 63.7 51.3 76.9

Manual Integrations

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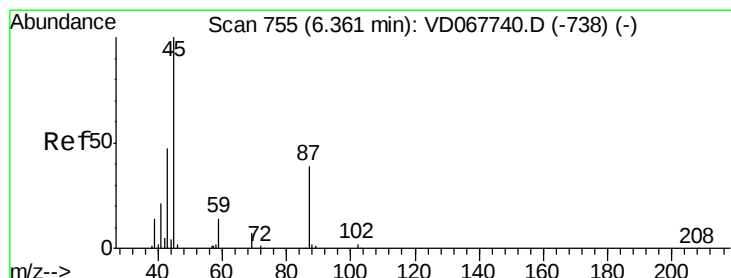
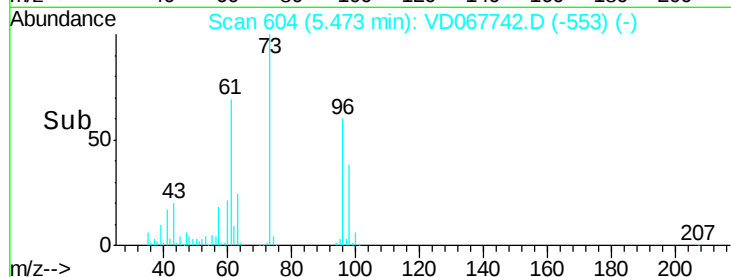
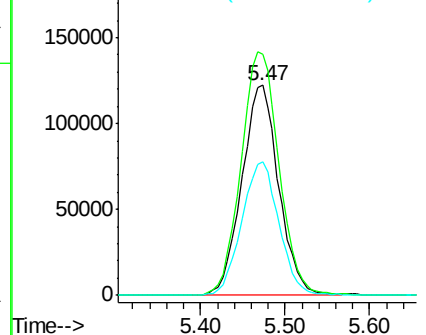
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Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 150.661 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.00 min

Lab File: VD067742.D

Acq: 23 Nov 2020 13:11

Tgt Ion: 45 Resp: 649004

Ion Ratio Lower Upper

45 100

43 65.7 46.8 70.2

87 41.6 32.9 49.3

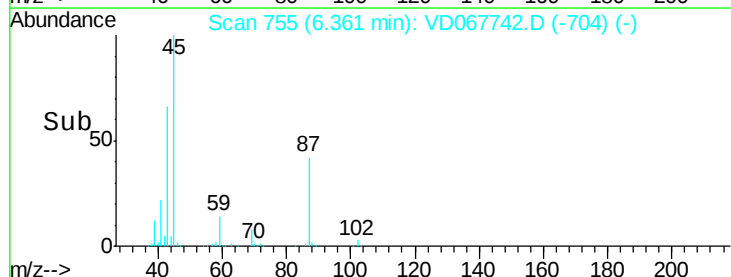
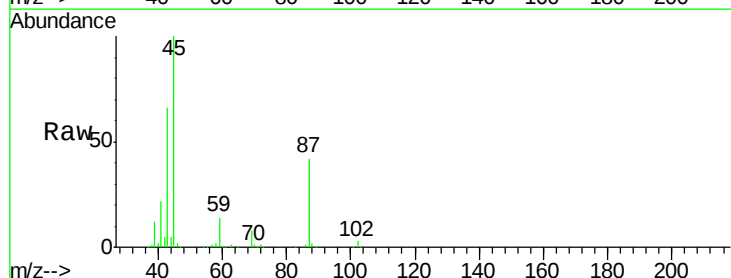
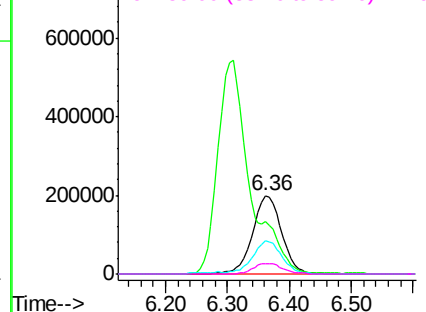
59 13.4 11.2 16.8

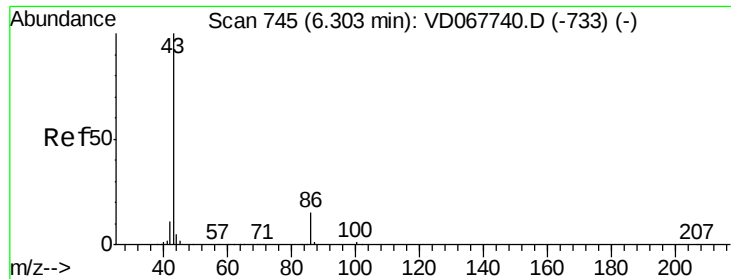
Abundance Ion 45.00 (44.70 to 45.70): VDC

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: 804.372 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.01 min

Lab File: VD067742.D

Acq: 23 Nov 2020 13:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1967497

Ion Ratio Lower Upper

43 100

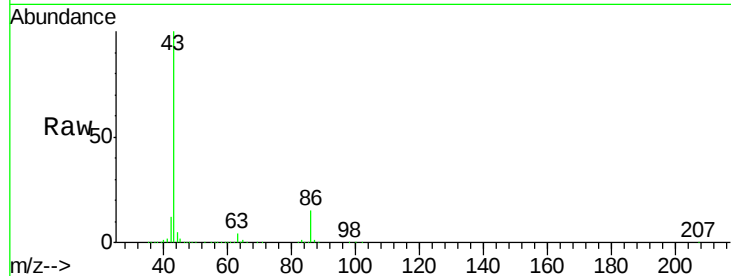
86 15.3 11.7 17.5

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

6.31

600000

500000

400000

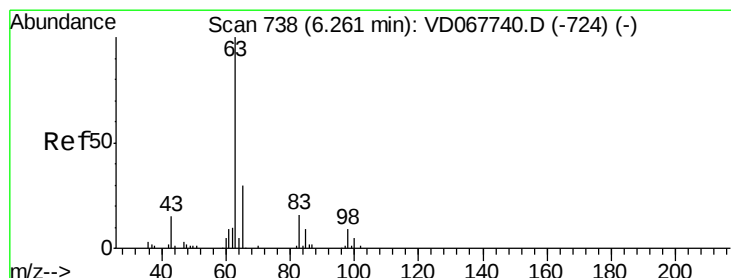
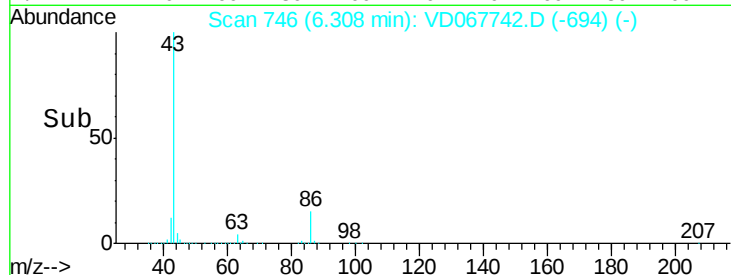
300000

200000

100000

0

Time--> 6.10 6.20 6.30 6.40 6.50



#24

1,1-Dichloroethane

Concen: 143.197 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD067742.D

Acq: 23 Nov 2020 13:11

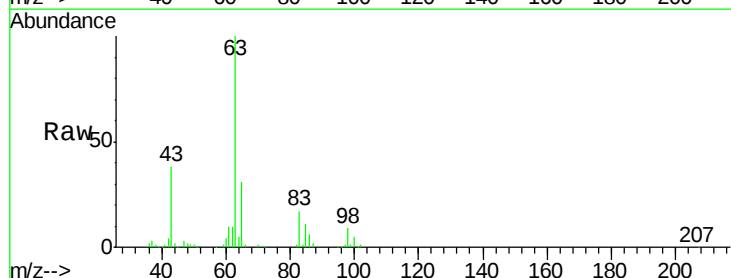
Tgt Ion: 63 Resp: 533813

Ion Ratio Lower Upper

63 100

98 8.7 4.4 13.2

100 4.9 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

200000

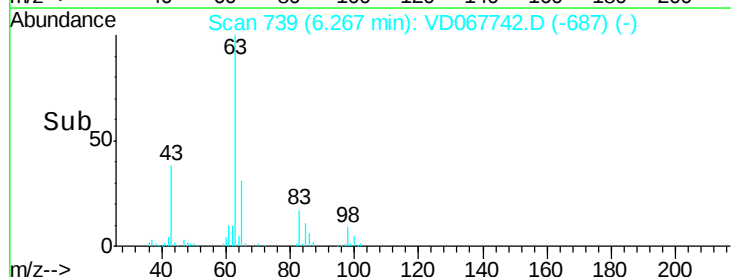
150000

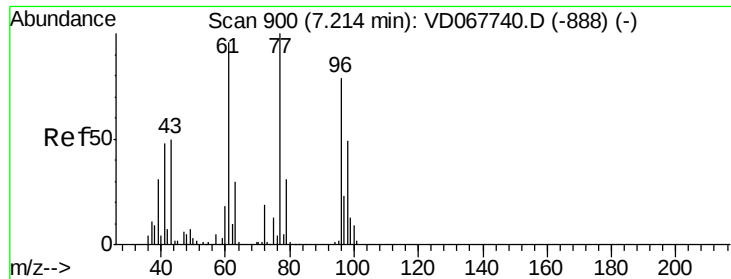
100000

50000

0

Time--> 6.10 6.20 6.30 6.40





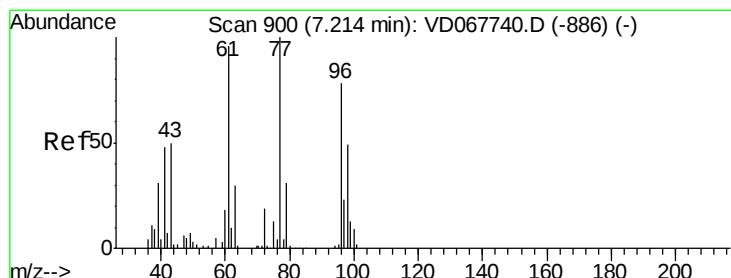
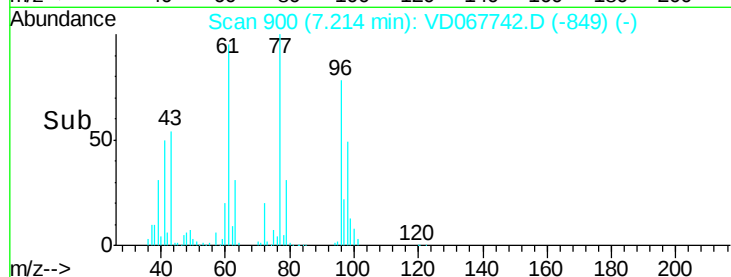
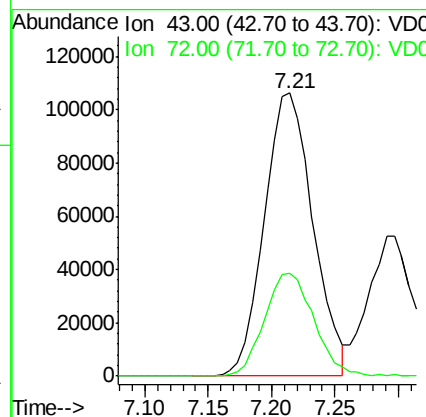
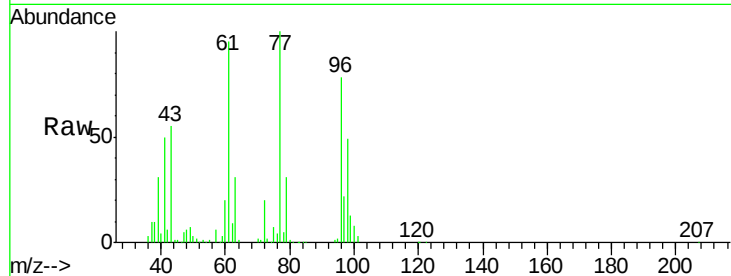
#25
 2-Butanone
 Concen: 744.491 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD067742.D
 Acq: 23 Nov 2020 13:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion: 43 Resp: 284312
 Ion Ratio Lower Upper
 43 100
 72 36.2 30.8 46.2

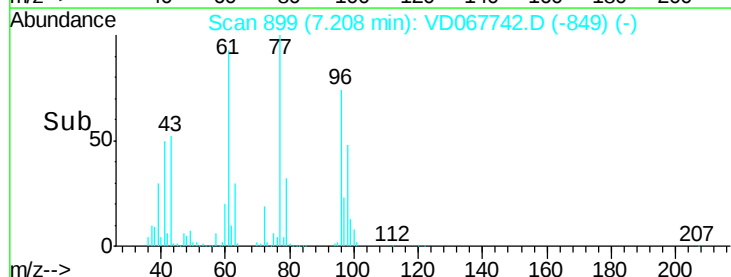
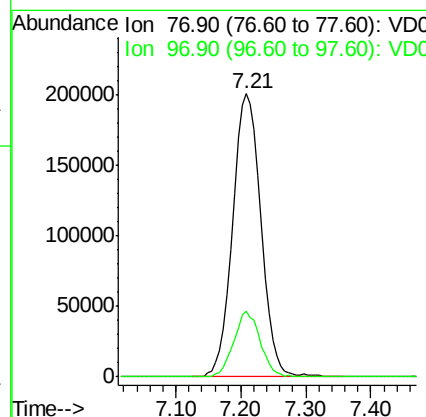
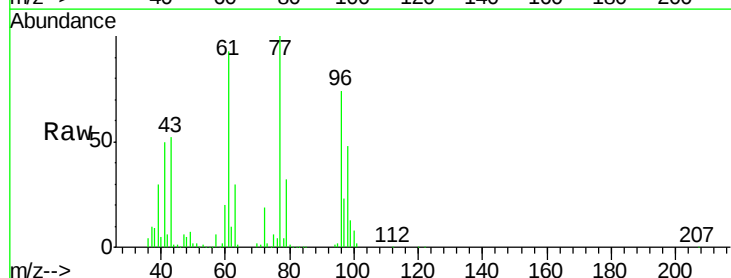
Manual Integrations
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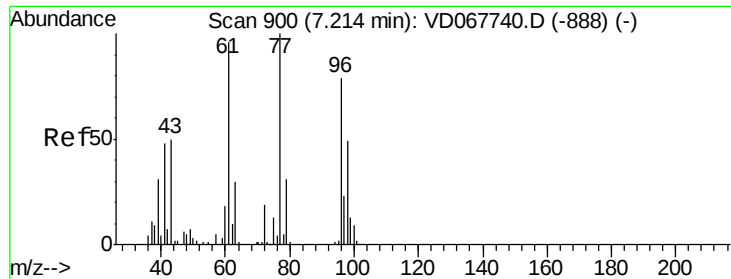
MMDadoda
 11/24/2020 2:56:35 PM



#26
 2,2-Dichloropropane
 Concen: 138.650 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD067742.D
 Acq: 23 Nov 2020 13:11

Tgt Ion: 77 Resp: 605193
 Ion Ratio Lower Upper
 77 100
 97 21.7 11.1 33.3





#27

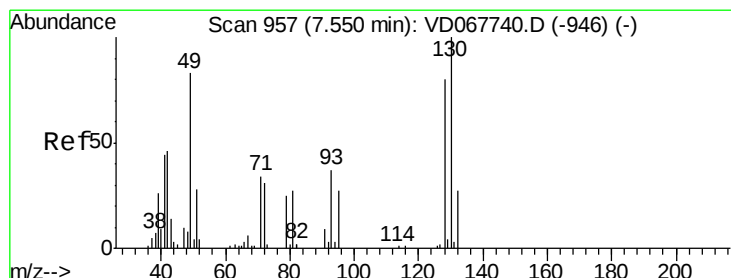
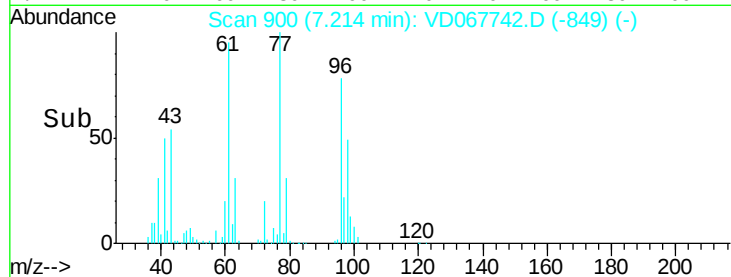
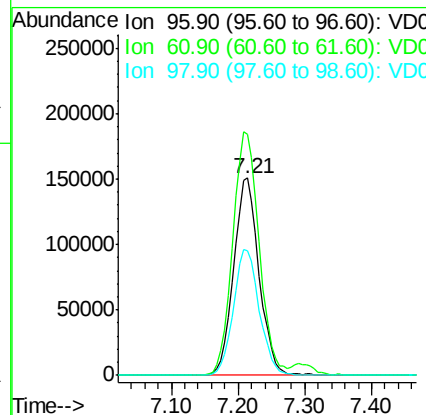
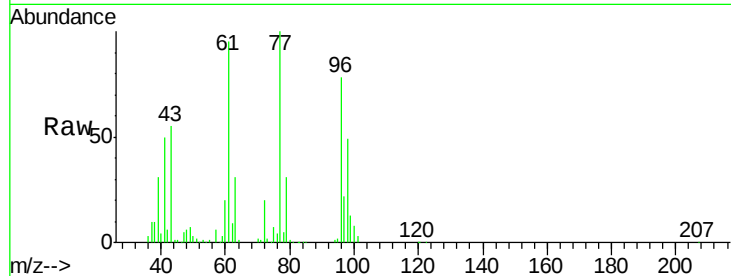
cis-1,2-Dichloroethene
Concen: 146.270 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD067742.D
Acq: 23 Nov 2020 13:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
96	100		
61	128.2	0.0	258.0
98	65.2	0.0	131.8

Manual Integrations
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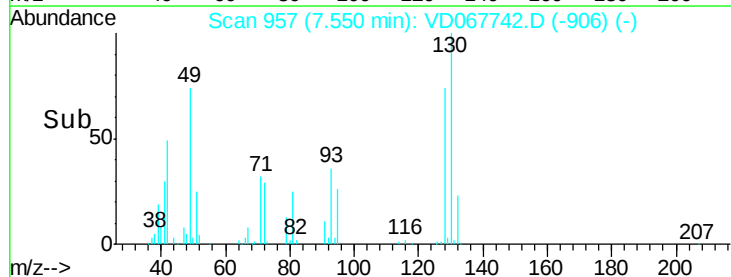
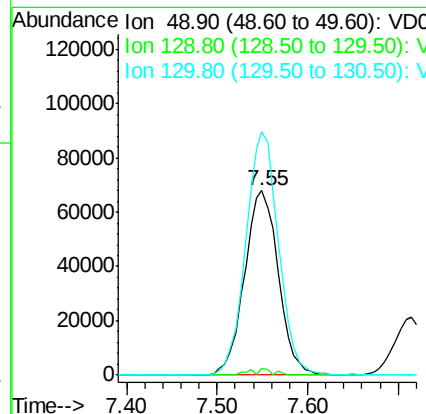
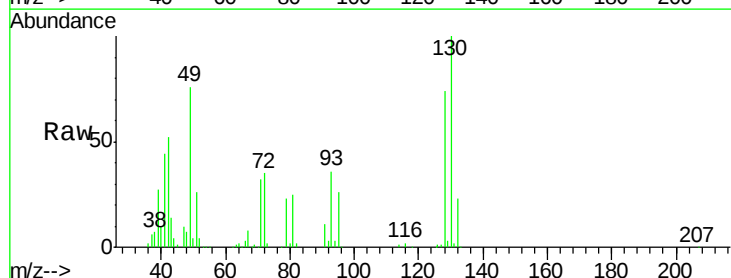
MMDadoda
11/24/2020 2:56:35 PM

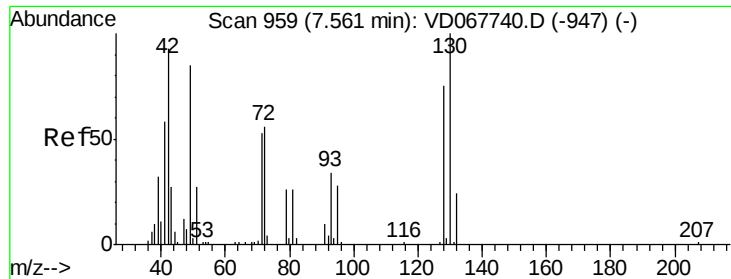


#28

Bromochloromethane
Concen: 147.582 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.00 min
Lab File: VD067742.D
Acq: 23 Nov 2020 13:11

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	7.0
130	127.4	102.2	153.4





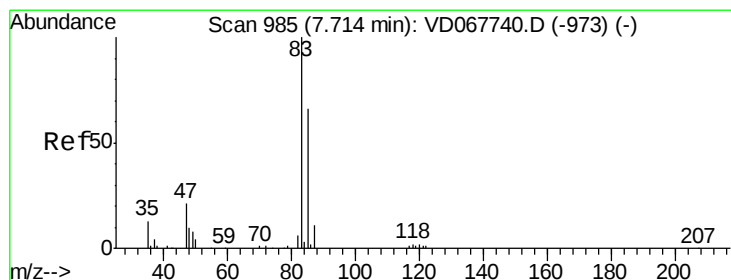
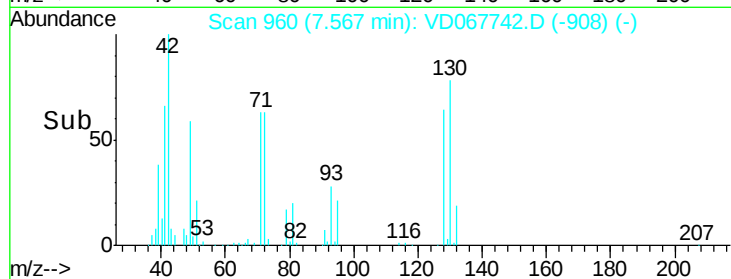
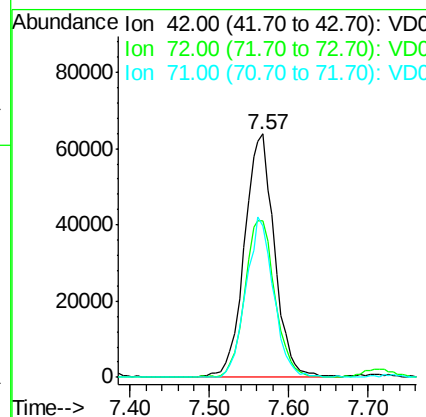
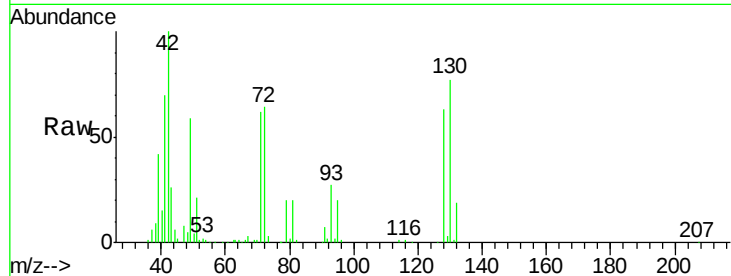
#29
Tetrahydrofuran
Concen: 749.482 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.01 min
Lab File: VD067742.D
Acq: 23 Nov 2020 13:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
42	100		
72	65.0	49.3	73.9
71	60.5	45.9	68.9

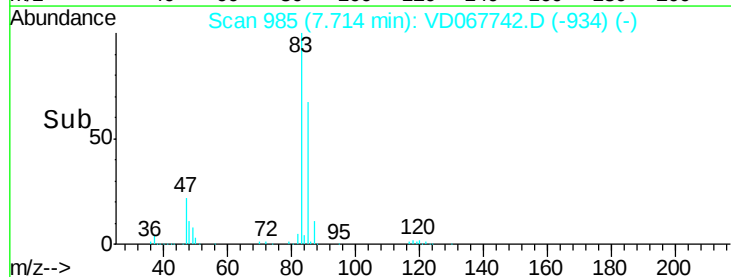
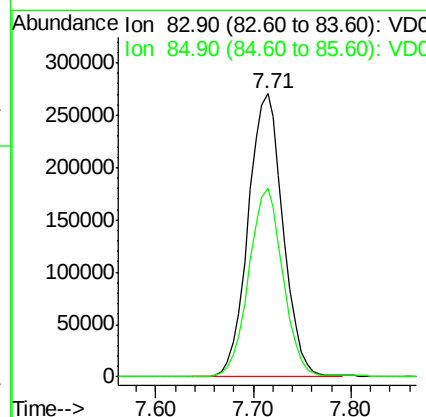
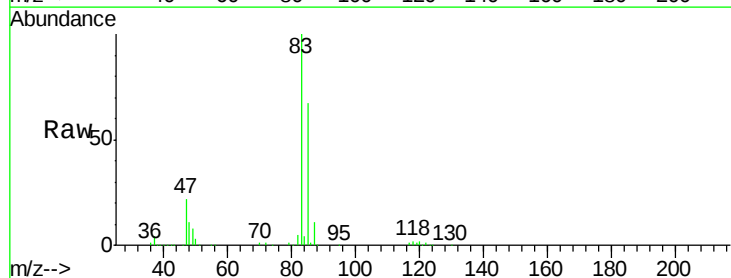
Manual Integrations
APPROVED

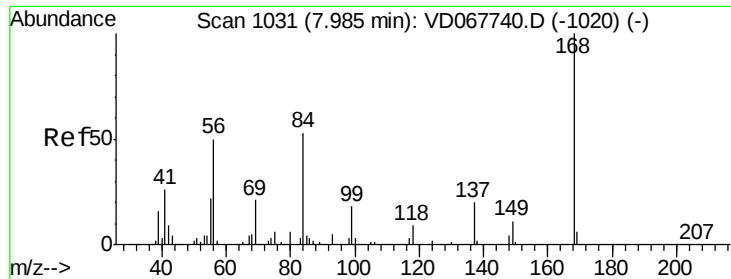
MMDadoda
11/24/2020 2:56:35 PM



#30
Chloroform
Concen: 139.818 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD067742.D
Acq: 23 Nov 2020 13:11

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.8	53.1	79.7





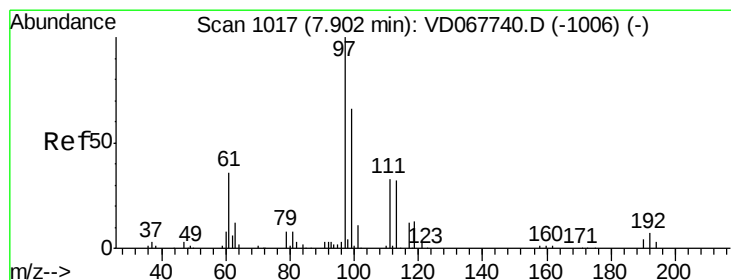
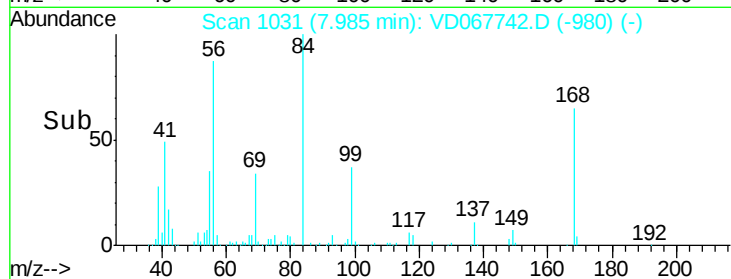
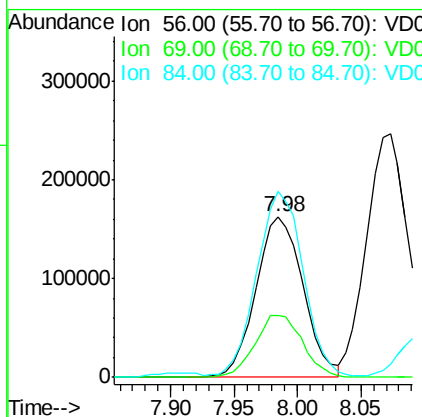
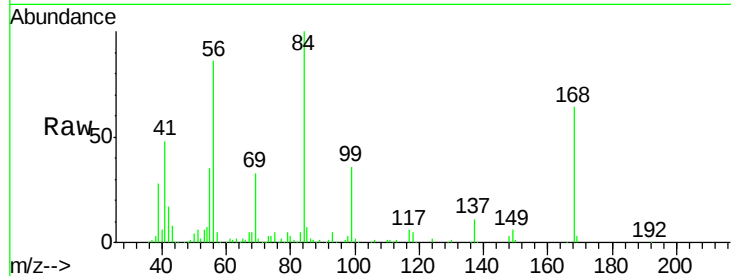
#31
Cvclohexane
Concen: 131.360 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD067742.D
Acq: 23 Nov 2020 13:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.6	33.2	49.8
84	113.7	84.8	127.2

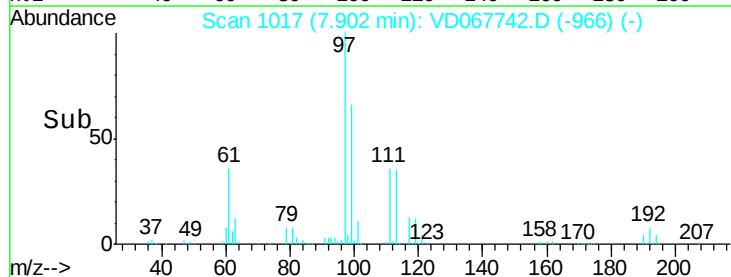
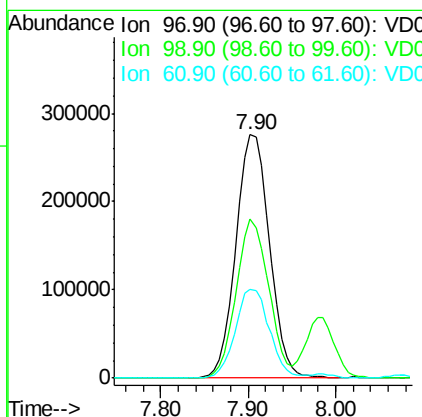
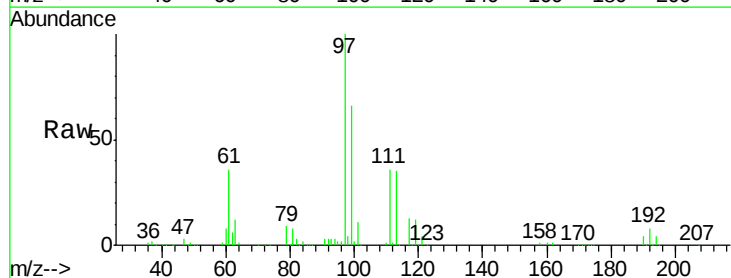
Manual Integrations
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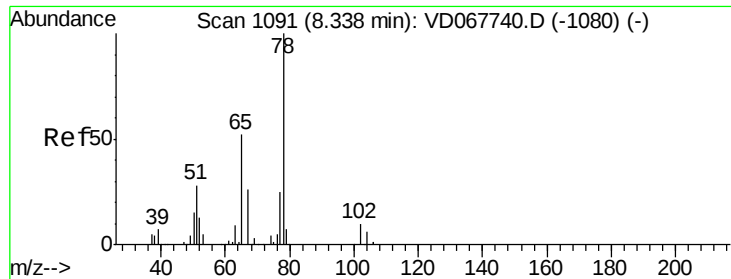
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#32
1,1,1-Trichloroethane
Concen: 139.453 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VD067742.D
Acq: 23 Nov 2020 13:11

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.1	76.7
61	37.2	29.4	44.2





#33

1,2-Dichloroethane-d4

Concen: 147.136 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD067742.D

Acq: 23 Nov 2020 13:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 65 Resp: 397291

Ion Ratio Lower Upper

65 100

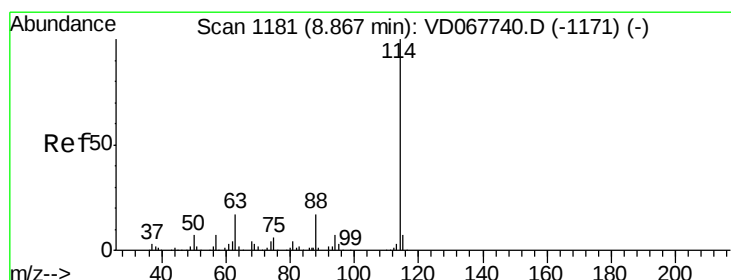
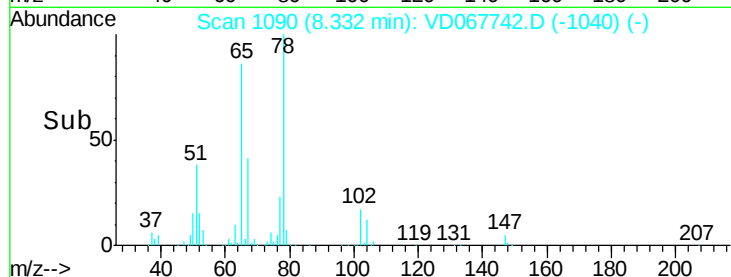
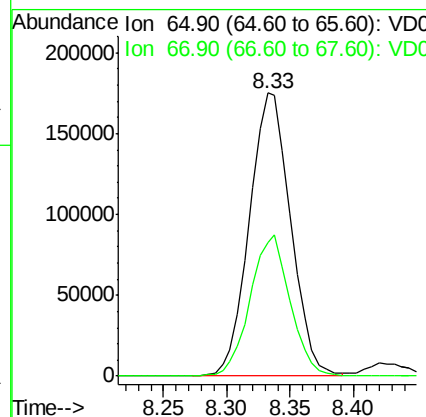
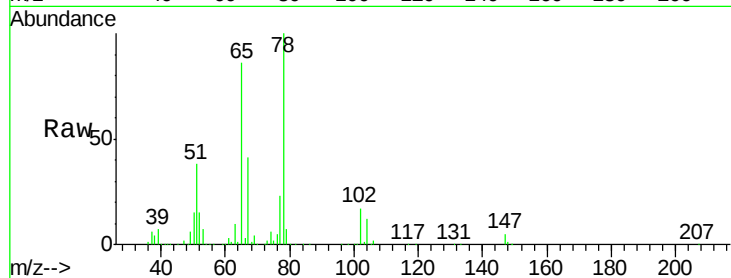
67 48.6 0.0 101.0

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD067742.D

Acq: 23 Nov 2020 13:11

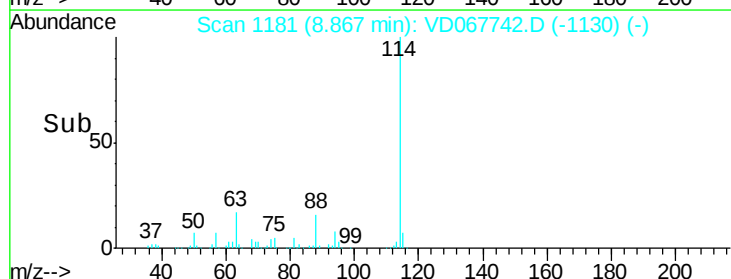
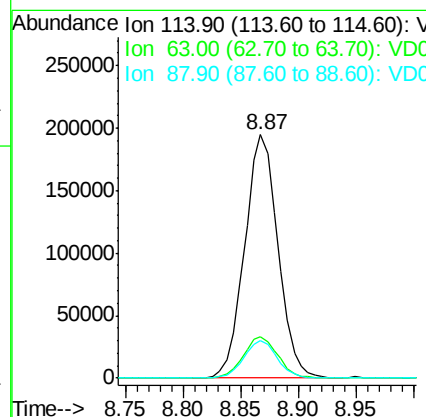
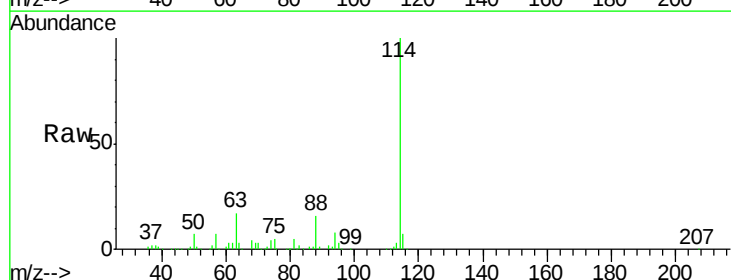
Tgt Ion: 114 Resp: 391584

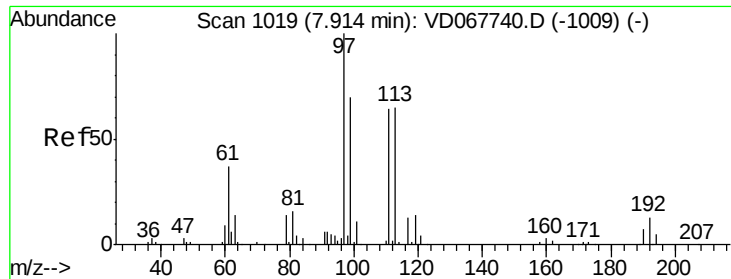
Ion Ratio Lower Upper

114 100

63 16.8 0.0 34.8

88 15.5 0.0 34.4





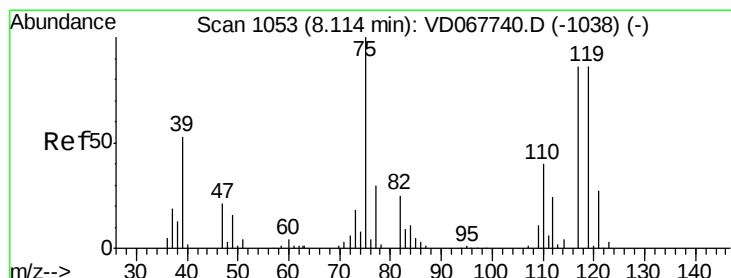
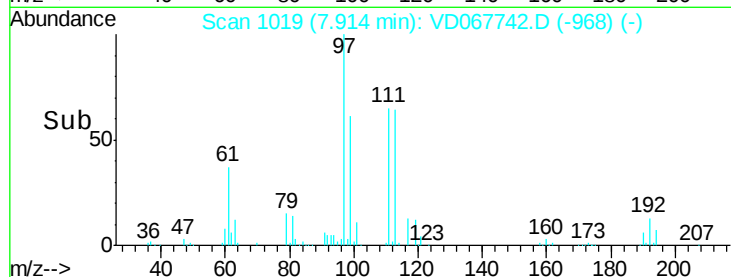
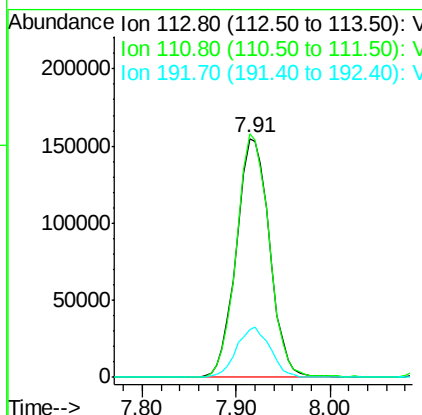
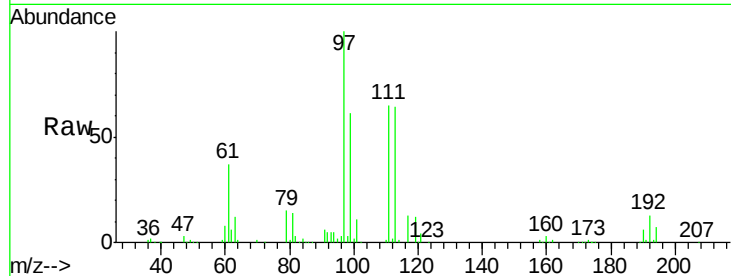
#35
Dibromofluoromethane
Concen: 151.562 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VD067742.D
Acq: 23 Nov 2020 13:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
113	100	379952		
111	100.3	81.4	122.0	
192	21.4	17.0	25.4	

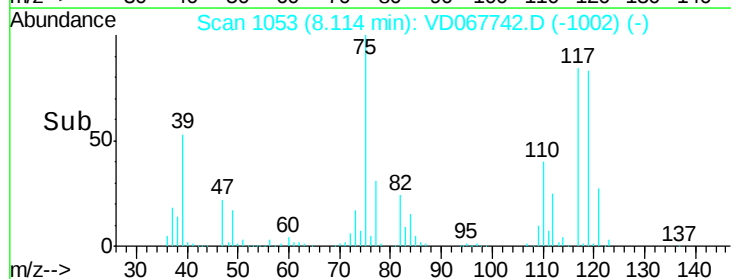
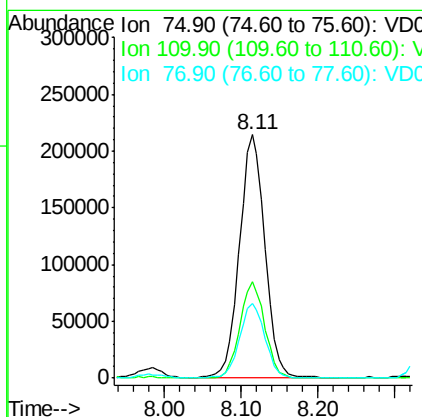
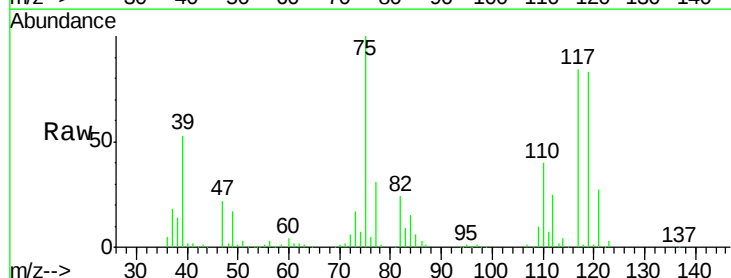
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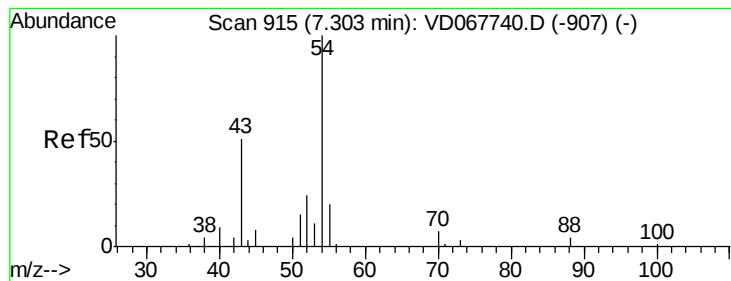
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#36
1,1-Dichloropropene
Concen: 146.373 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VD067742.D
Acq: 23 Nov 2020 13:11

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	496200		
110	38.6	20.1	60.2	
77	30.9	24.8	37.2	





#37

Ethyl Acetate

Concen: 146.323 ug/l

RT: 7.30 min Scan# 914

Delta R.T. -0.01 min

Lab File: VD067742.D

Acq: 23 Nov 2020 13:11

Instrument :

MSVOA_D

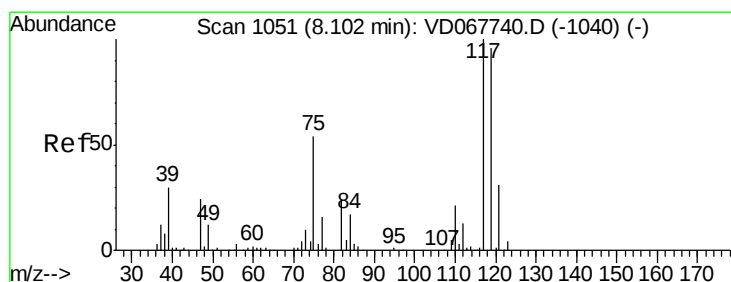
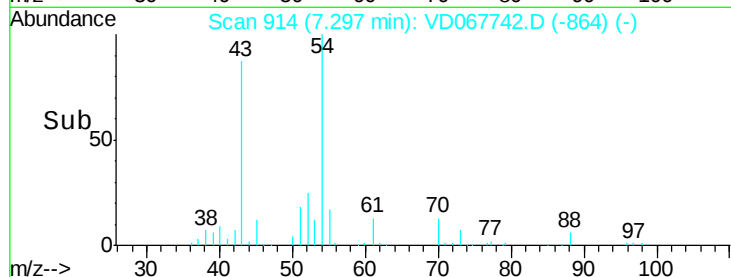
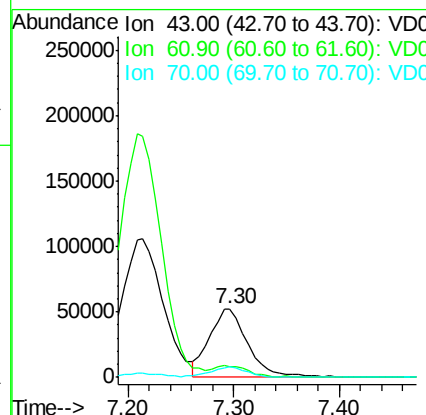
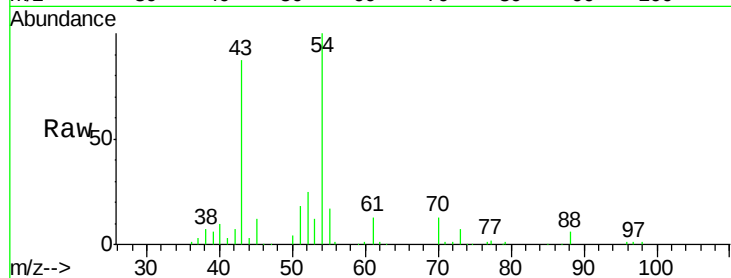
ClientSampleID :

VSTDIC150

Tot Ion:	43	Resp:	130302
Ion	Ratio	Lower	Upper
43	100		
61	14.6	12.9	19.3
70	15.0	12.2	18.2

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 139.477 ug/l

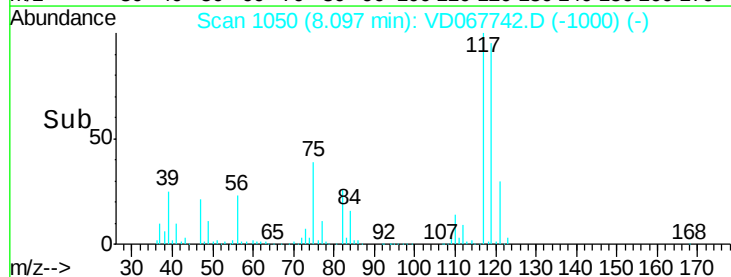
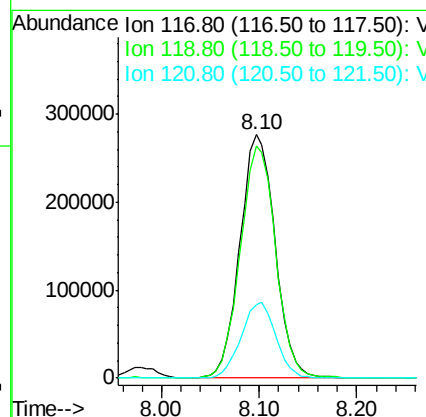
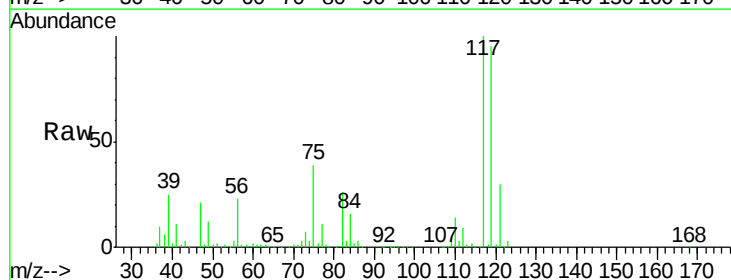
RT: 8.10 min Scan# 1050

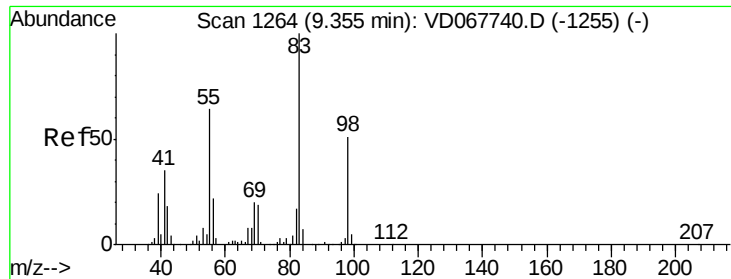
Delta R.T. -0.01 min

Lab File: VD067742.D

Acq: 23 Nov 2020 13:11

Tgt Ion:	117	Resp:	693778
Ion	Ratio	Lower	Upper
117	100		
119	95.4	76.6	115.0
121	30.4	24.5	36.7





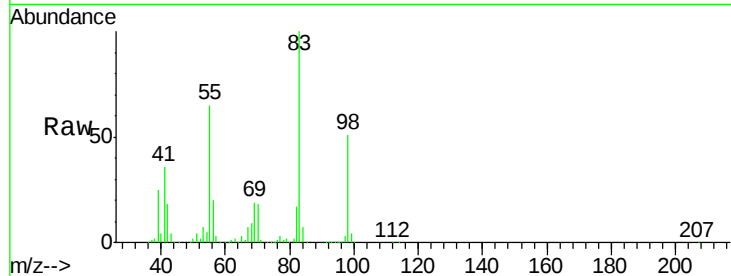
#39
Methvlcvclohexane
Concen: 146.943 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD067742.D
Acq: 23 Nov 2020 13:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

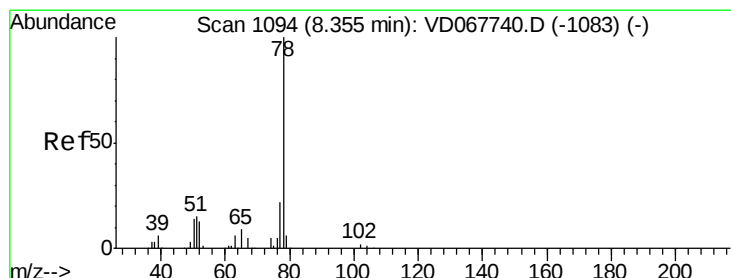
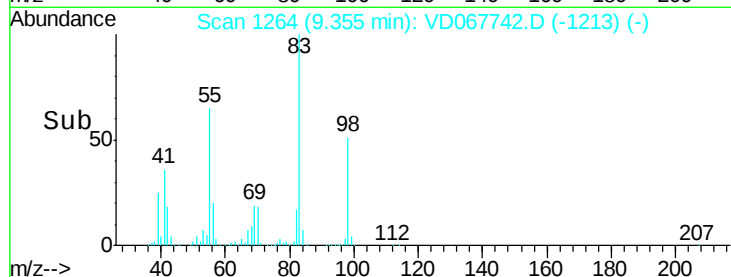
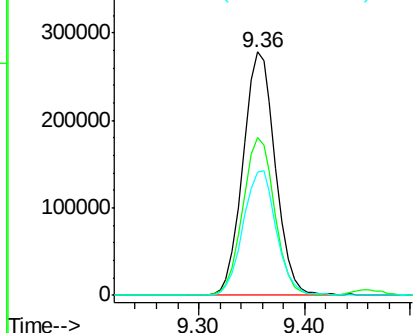
Tot Ion	Ratio	Lower	Upper
83	100		
55	64.7	51.0	76.4
98	50.6	40.4	60.6

Manual Integrations
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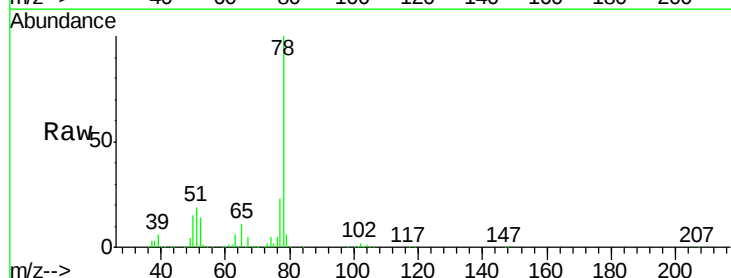


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

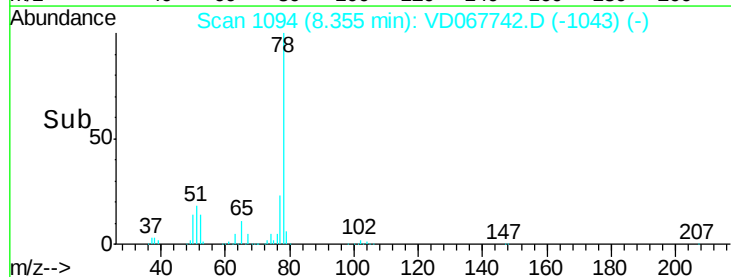
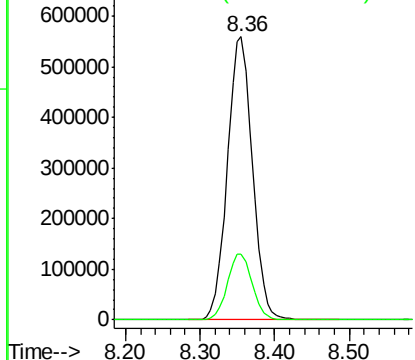


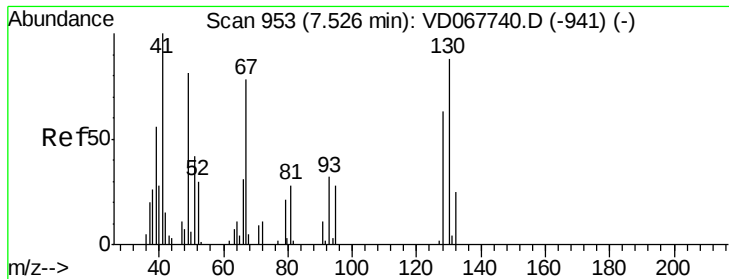
#40
Benzene
Concen: 140.121 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD067742.D
Acq: 23 Nov 2020 13:11

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	17.8	26.6



Abundance Ion 78.00 (77.70 to 78.70): VDC
Ion 77.00 (76.70 to 77.70): VDC





#41

Methacrylonitrile

Concen: 188.107 ug/l

RT: 7.53 min Scan# 953

Delta R.T. 0.00 min

Lab File: VD067742.D

Acq: 23 Nov 2020 13:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 41 Resp: 77798

Ion Ratio Lower Upper

41 100

39 61.6 50.2 75.4

67 92.8 79.0 118.6

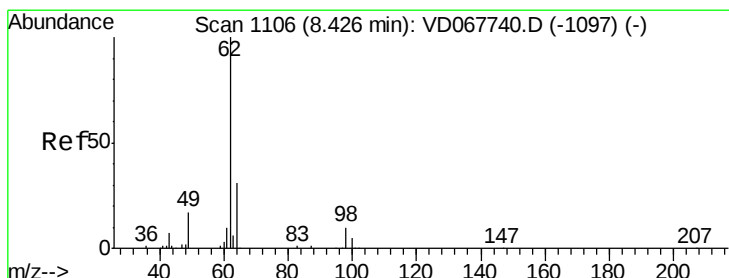
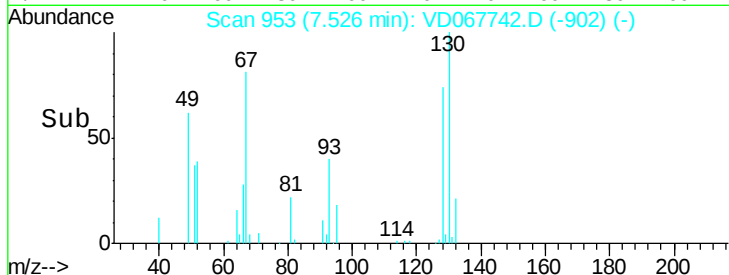
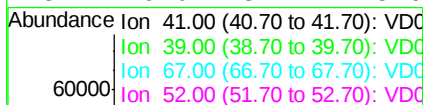
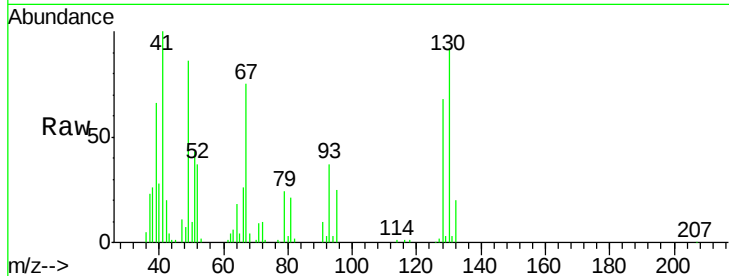
52 40.0 32.4 48.6

Manual Integrations

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#42

1,2-Dichloroethane

Concen: 143.872 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VD067742.D

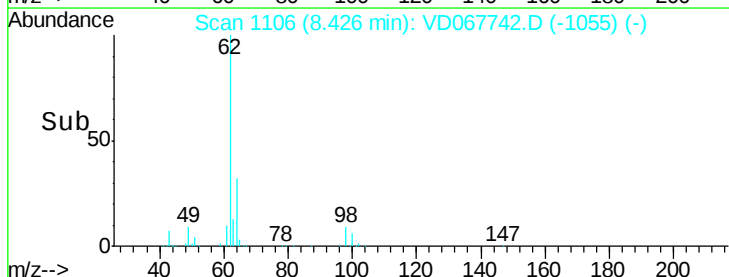
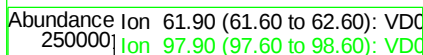
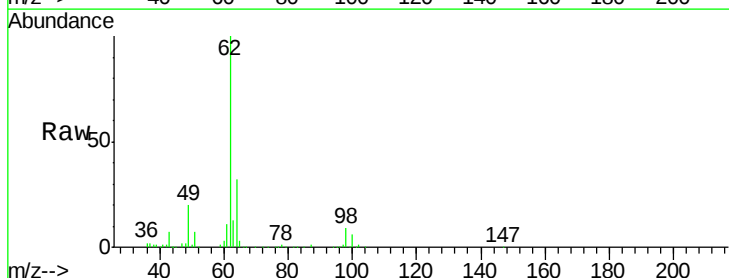
Acq: 23 Nov 2020 13:11

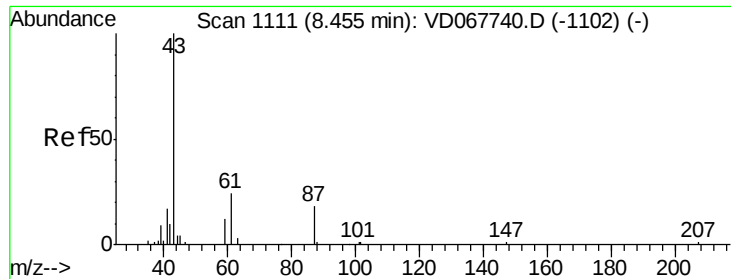
Tgt Ion: 62 Resp: 451877

Ion Ratio Lower Upper

62 100

98 9.0 0.0 18.2





#43

Isopropyl Acetate

Concen: 156.545 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD067742.D

Acq: 23 Nov 2020 13:11

Instrument :

MSVOA_D

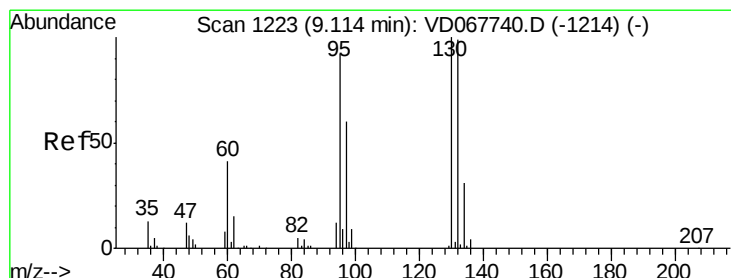
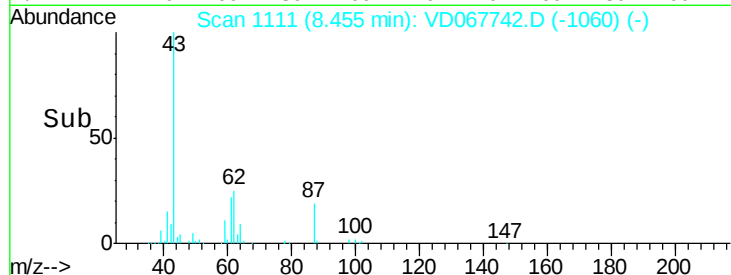
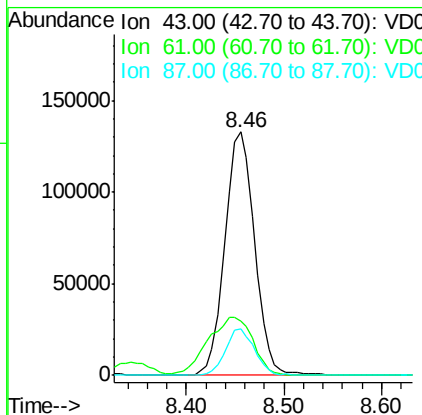
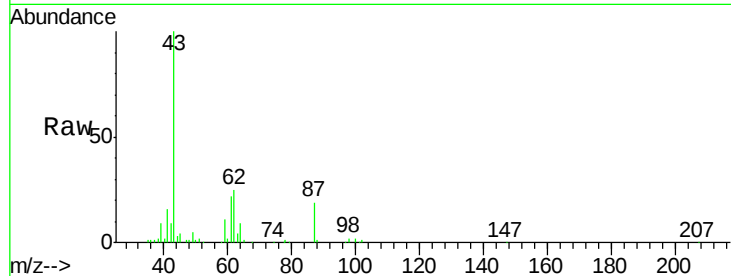
ClientSampleId :

VSTDIC150

Tot Ion:	43	Resp:	282079
Ion	Ratio	Lower	Upper
43	100		
61	36.0	30.2	45.4
87	18.7	14.2	21.4

Manual Integrations
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#44

Trichloroethene

Concen: 143.542 ug/l

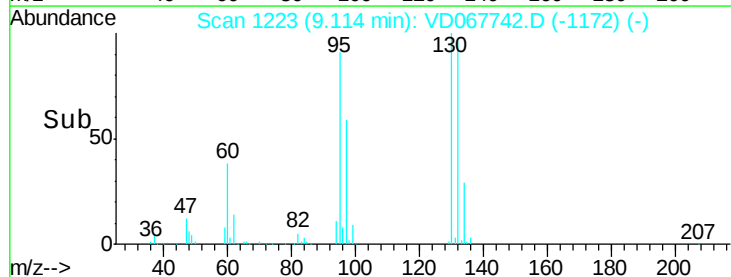
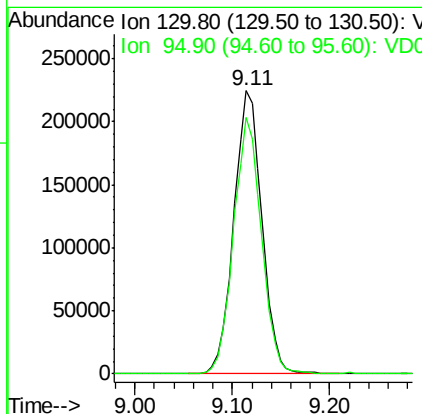
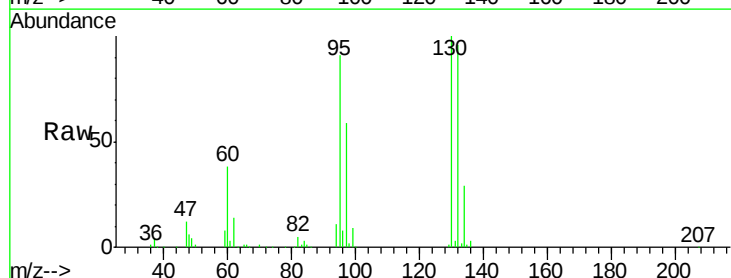
RT: 9.11 min Scan# 1223

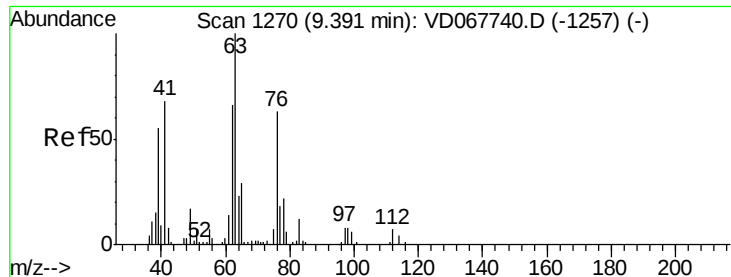
Delta R.T. 0.00 min

Lab File: VD067742.D

Acq: 23 Nov 2020 13:11

Tgt Ion:	130	Resp:	447416
Ion	Ratio	Lower	Upper
130	100		
95	90.7	0.0	184.2





#45

1,2-Dichloropropane

Concen: 143.259 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD067742.D

Acq: 23 Nov 2020 13:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 63 Resp: 272316

Ion Ratio Lower Upper

63 100

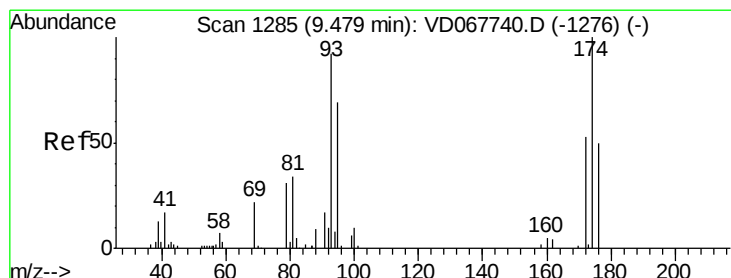
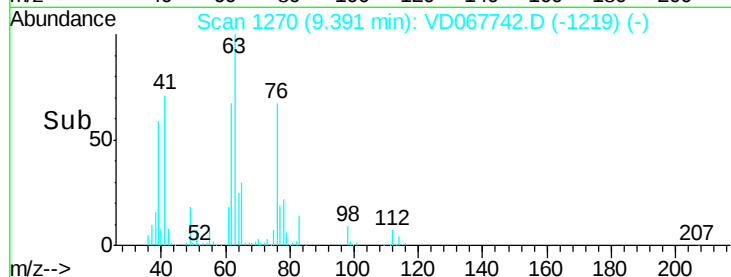
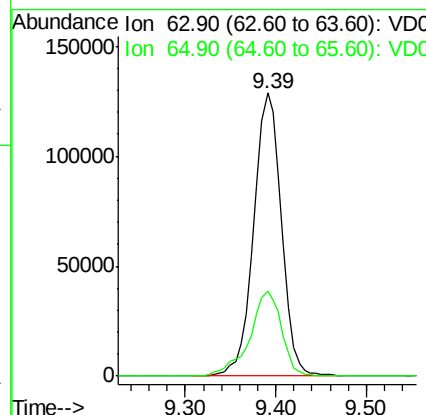
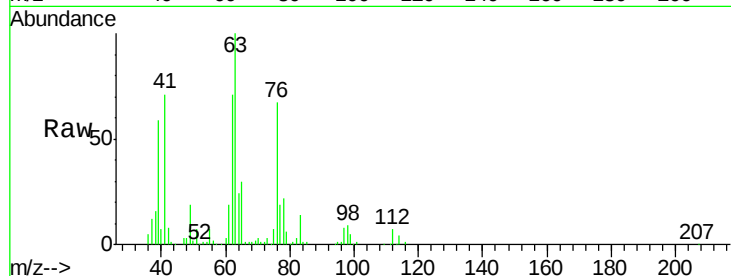
65 30.1 23.1 34.7

Manual Integrations

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#46

Dibromomethane

Concen: 146.445 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD067742.D

Acq: 23 Nov 2020 13:11

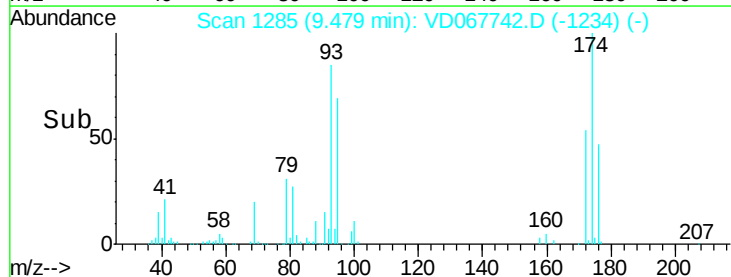
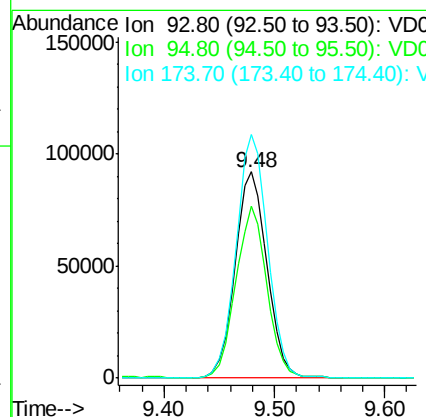
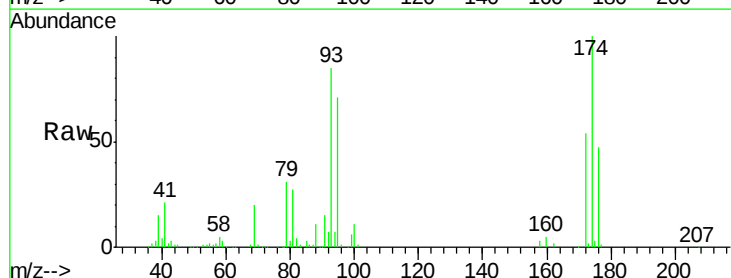
Tgt Ion: 93 Resp: 186959

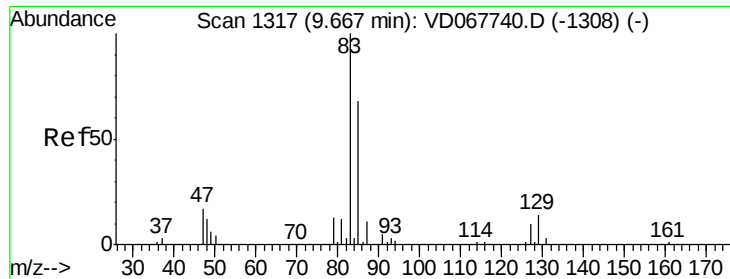
Ion Ratio Lower Upper

93 100

95 81.6 63.4 95.2

174 116.5 89.6 134.4





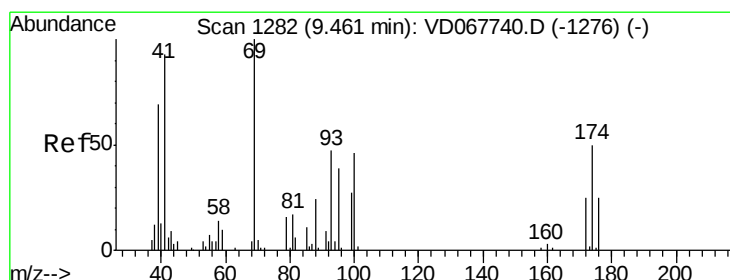
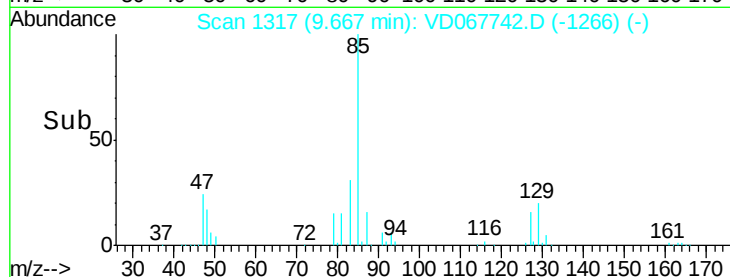
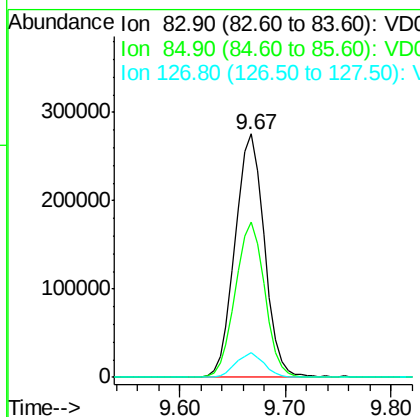
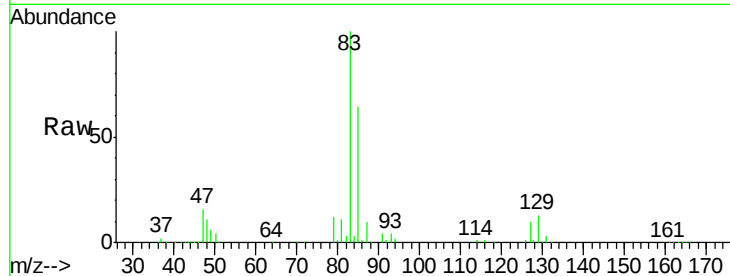
#47
Bromodichloromethane
Concen: 146.815 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VD067742.D
Acq: 23 Nov 2020 13:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
83	100	529775		
85	63.9		54.2	81.2
127	9.9		7.6	11.4

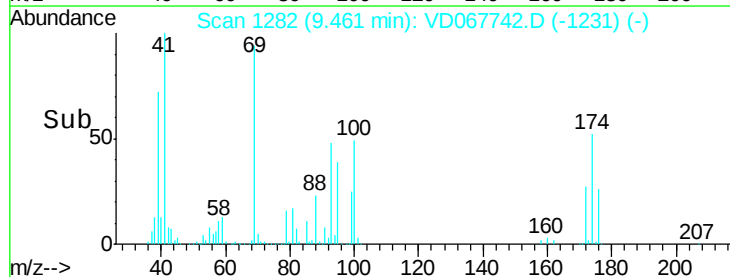
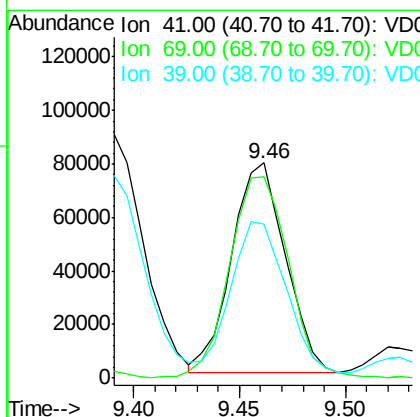
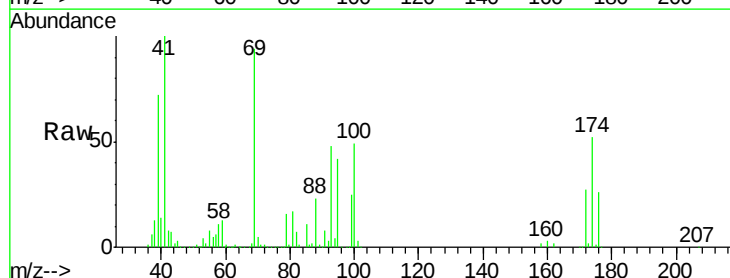
Manual Integrations
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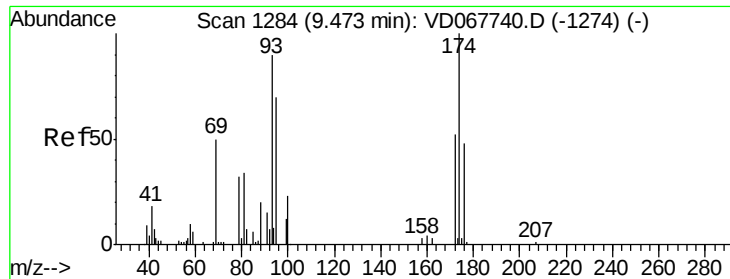
MMDadoda
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#48
Methyl methacrylate
Concen: 154.500 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VD067742.D
Acq: 23 Nov 2020 13:11

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	137906		
69	105.6		87.8	131.6
39	74.4		60.5	90.7





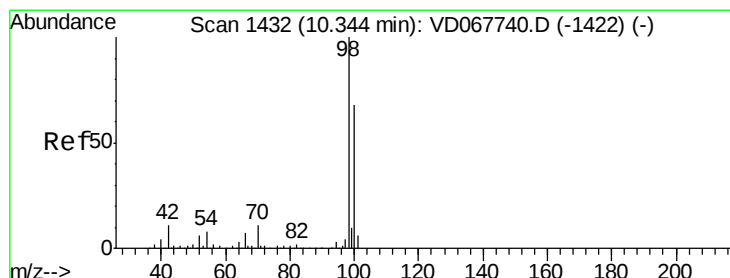
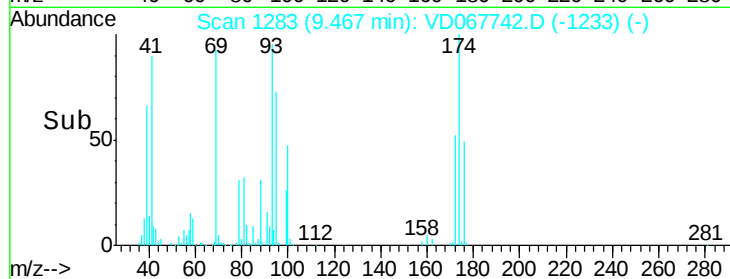
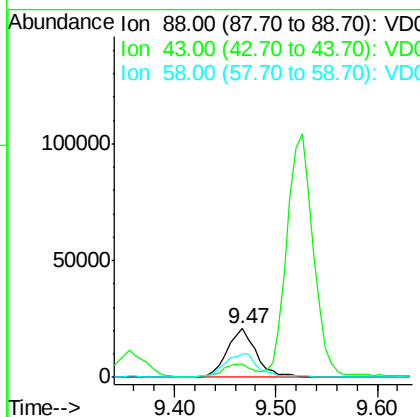
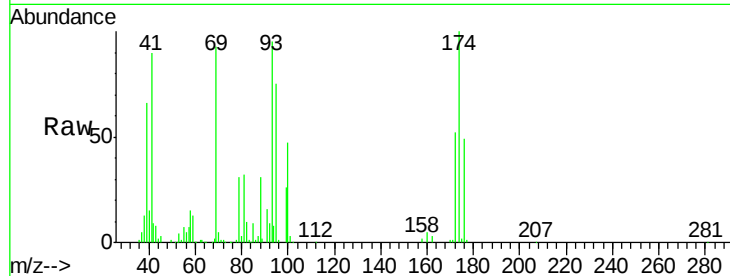
#49
1,4-Dioxane
Concen: 3030.259 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.01 min
Lab File: VD067742.D
Acq: 23 Nov 2020 13:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	88	Resp	41959
Ion	Ratio	Lower	Upper
88	100		
43	27.5	25.2	37.8
58	53.8	48.2	72.2

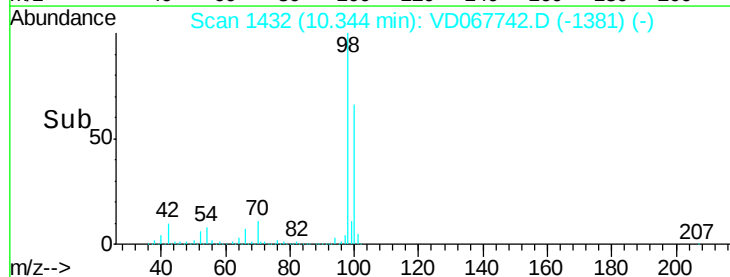
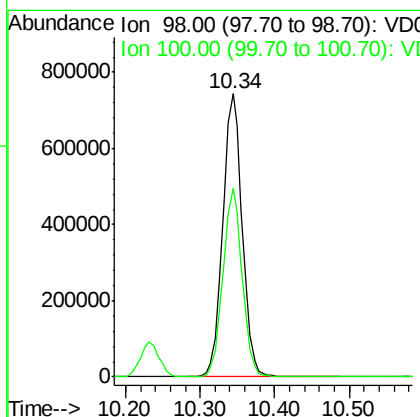
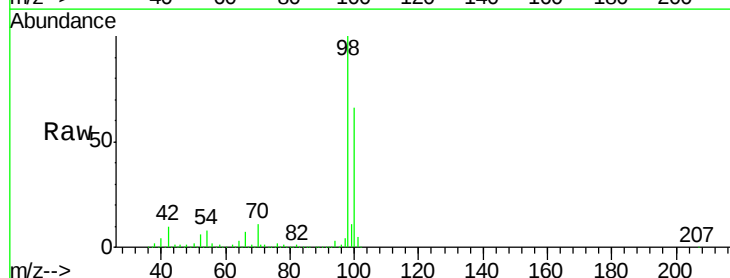
Manual Integrations
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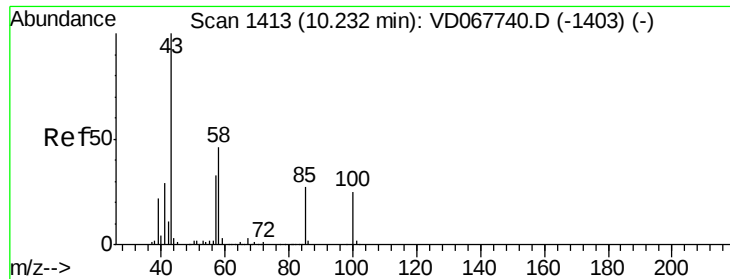
MMDadoda
11/24/2020 2:56:35 PM



#50
Toluene-d8
Concen: 148.019 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067742.D
Acq: 23 Nov 2020 13:11

Tgt Ion	98	Resp	1346779
Ion	Ratio	Lower	Upper
98	100		
100	66.1	53.1	79.7





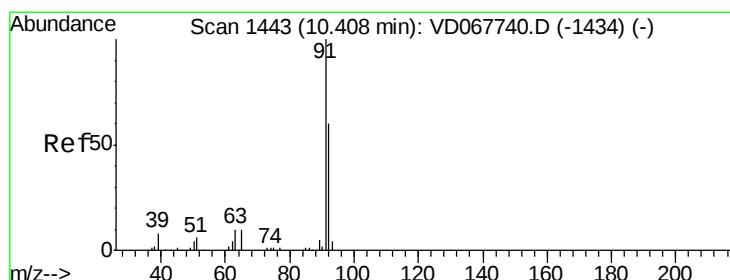
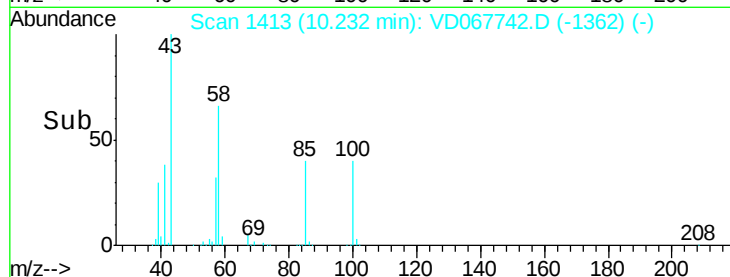
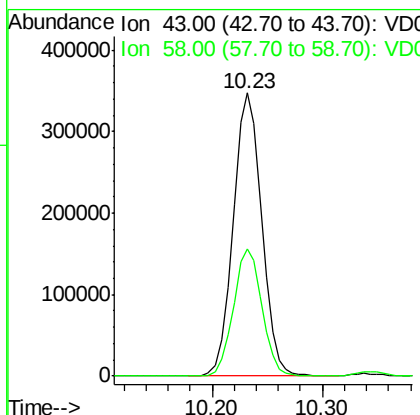
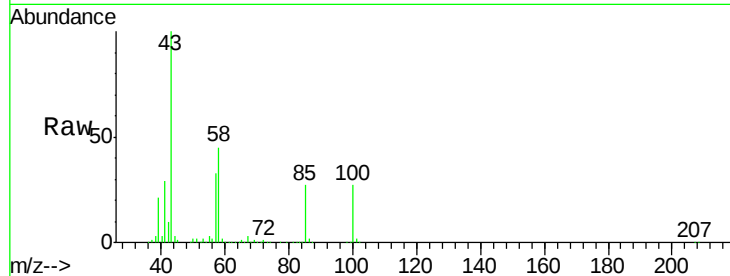
#51
4-Methyl-2-Pentanone
Concen: 750.522 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.00 min
Lab File: VD067742.D
Acq: 23 Nov 2020 13:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 631004
Ion Ratio Lower Upper
43 100
58 44.9 34.7 52.1

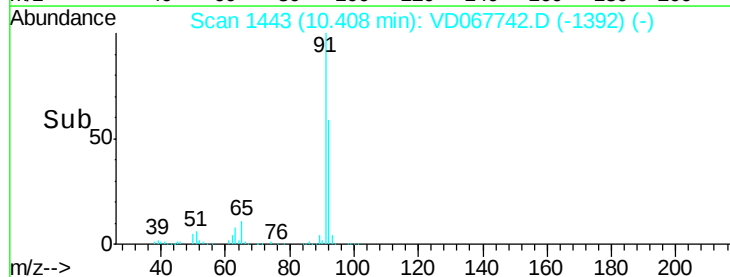
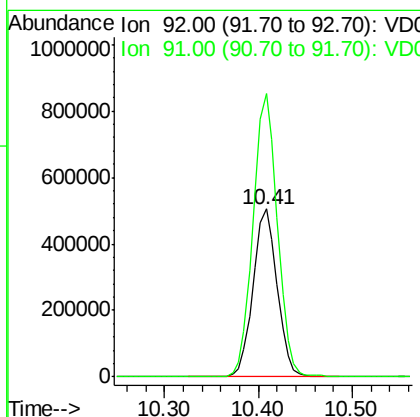
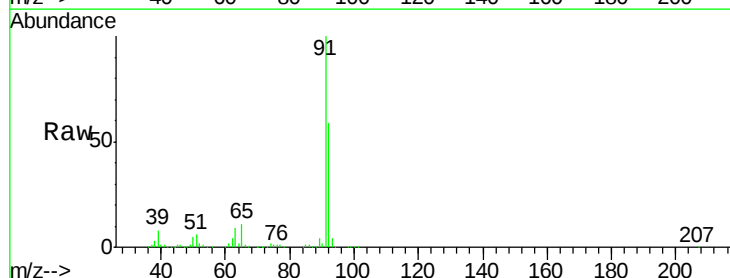
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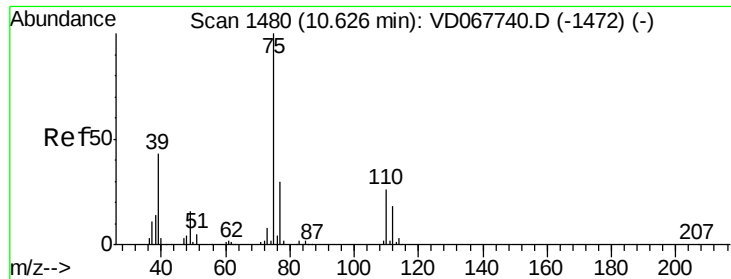
MMDadoda
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#52
Toluene
Concen: 142.495 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD067742.D
Acq: 23 Nov 2020 13:11

Tgt Ion: 92 Resp: 898654
Ion Ratio Lower Upper
92 100
91 170.4 135.4 203.0





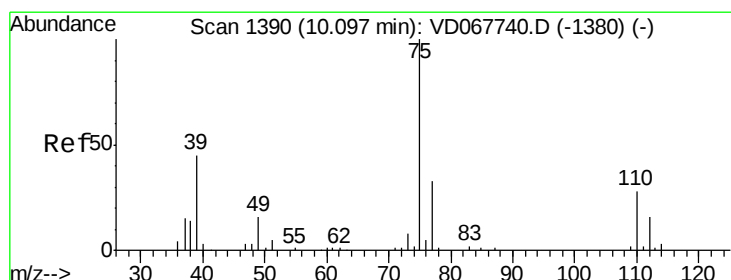
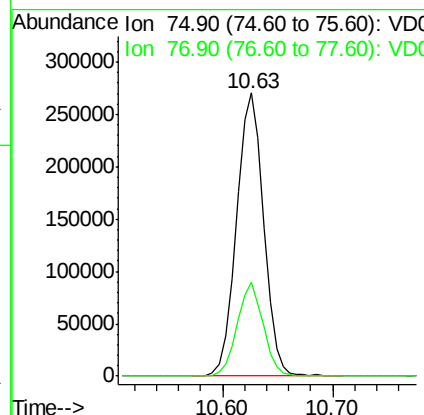
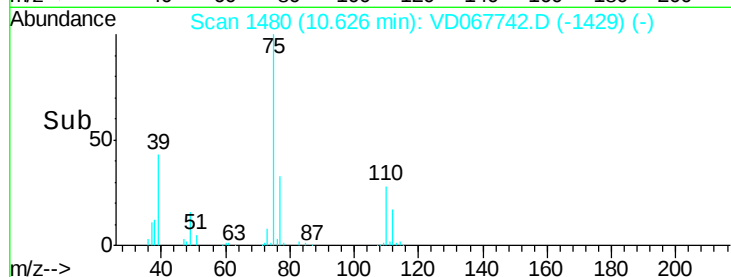
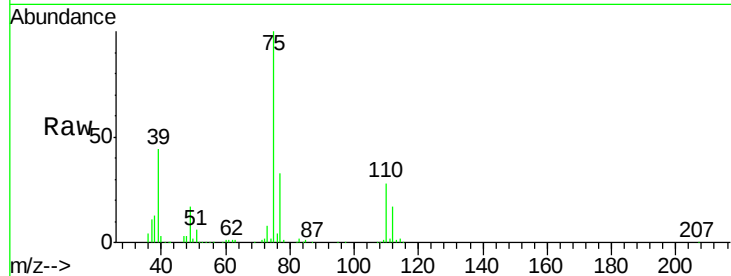
#53
 t-1,3-Dichloropropene
 Concen: 148.826 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. 0.00 min
 Lab File: VD067742.D
 Acq: 23 Nov 2020 13:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion: 75 Resp: 467740
 Ion Ratio Lower Upper
 75 100
 77 33.1 24.2 36.4

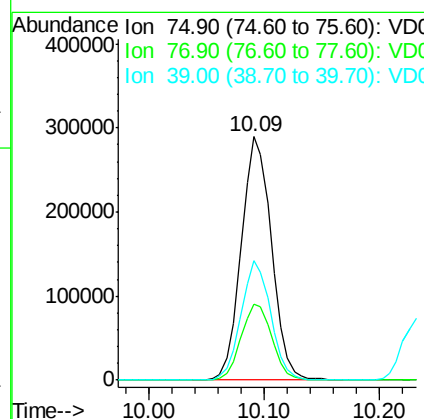
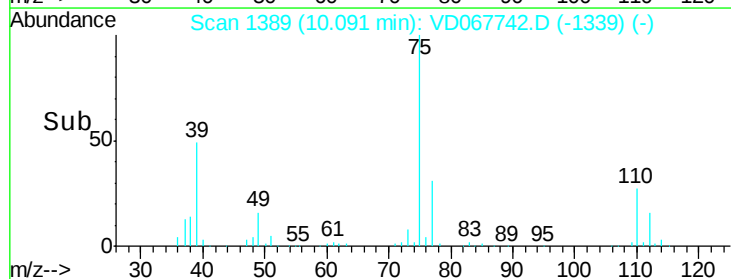
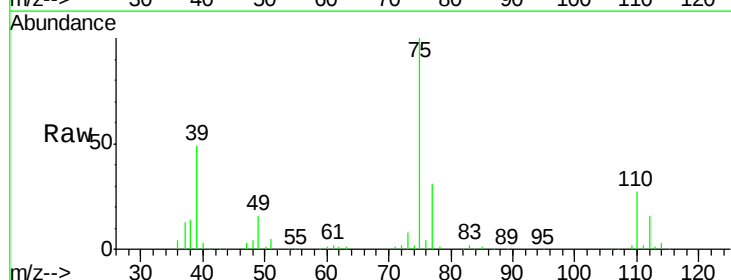
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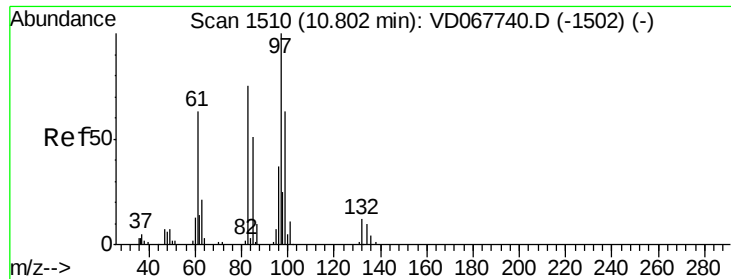
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 11/24/2020 2:56:35 PM



#54
 cis-1,3-Dichloropropene
 Concen: 147.884 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. -0.01 min
 Lab File: VD067742.D
 Acq: 23 Nov 2020 13:11

Tgt Ion: 75 Resp: 526183
 Ion Ratio Lower Upper
 75 100
 77 31.4 26.1 39.1
 39 48.7 35.8 53.6





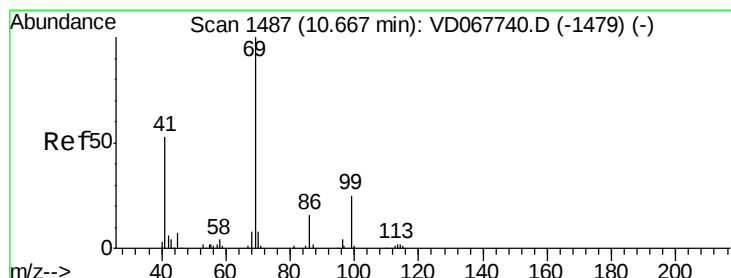
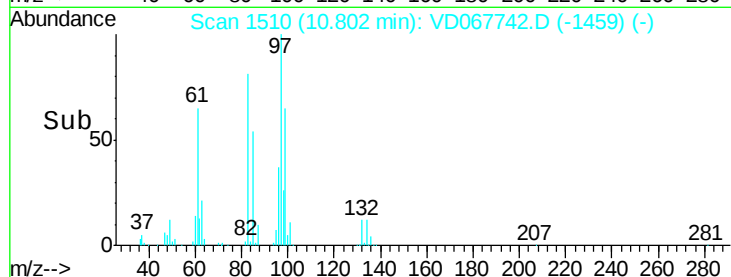
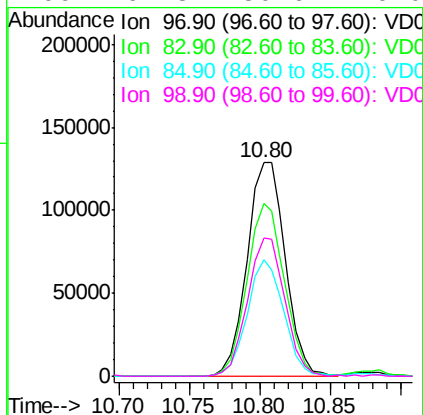
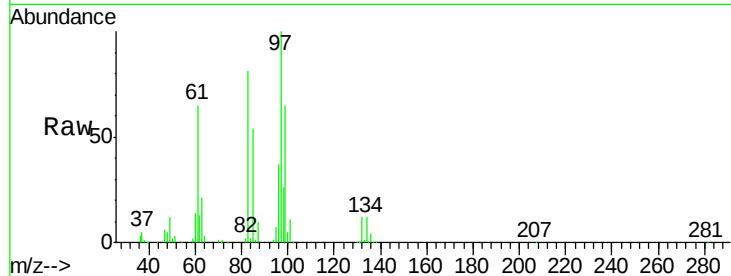
#55
 1,1,2-Trichloroethane
 Concen: 141.219 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD067742.D
 Acq: 23 Nov 2020 13:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion:	97	Resp:	244760
Ion	Ratio	Lower	Upper
97	100		
83	80.8	60.2	90.4
85	54.5	40.5	60.7
99	64.8	50.6	76.0

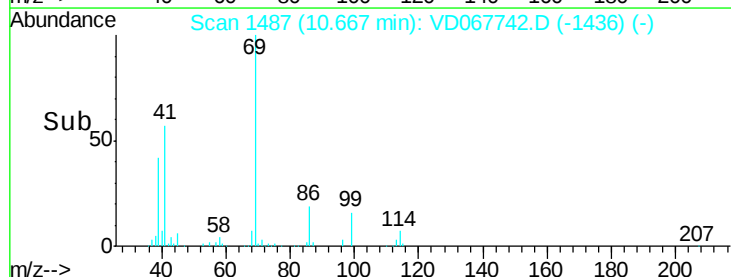
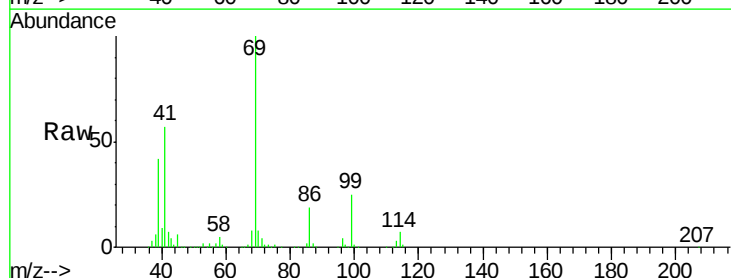
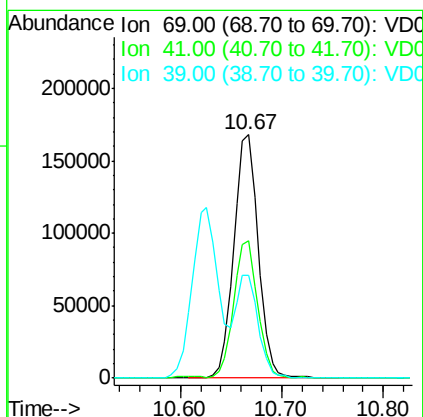
Manual Integrations
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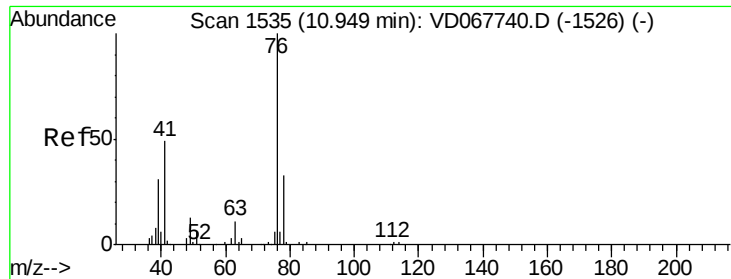
MMDadoda
 11/24/2020 2:56:35 PM



#56
 Ethyl methacrylate
 Concen: 156.992 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD067742.D
 Acq: 23 Nov 2020 13:11

Tgt Ion:	69	Resp:	281212
Ion	Ratio	Lower	Upper
69	100		
41	55.2	43.4	65.0
39	37.4	29.6	44.4





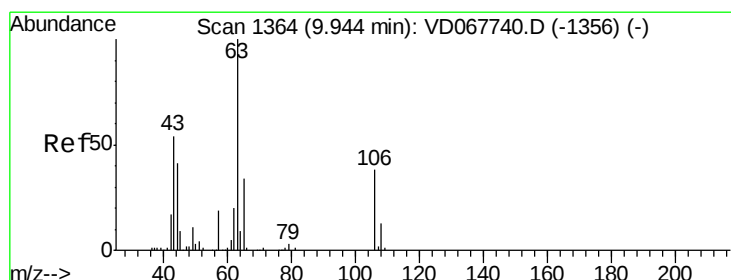
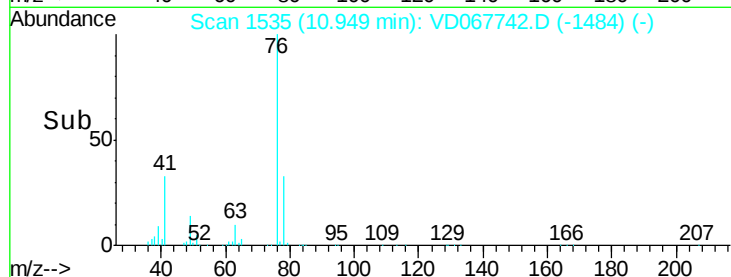
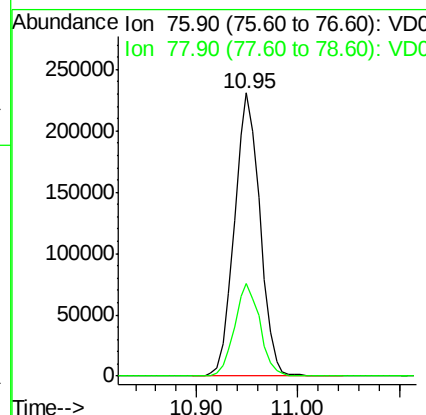
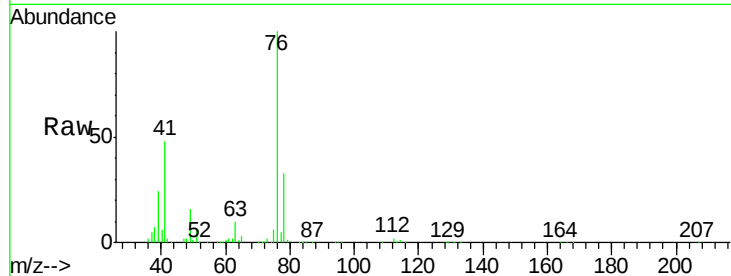
#57
 1,3-Dichloropropane
 Concen: 147.897 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD067742.D
 Acq: 23 Nov 2020 13:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion: 76 Resp: 401490
 Ion Ratio Lower Upper
 76 100
 78 32.8 25.7 38.5

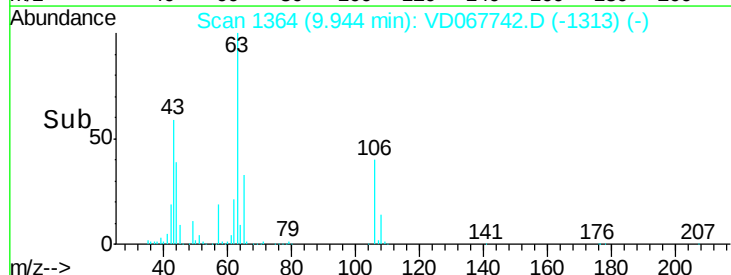
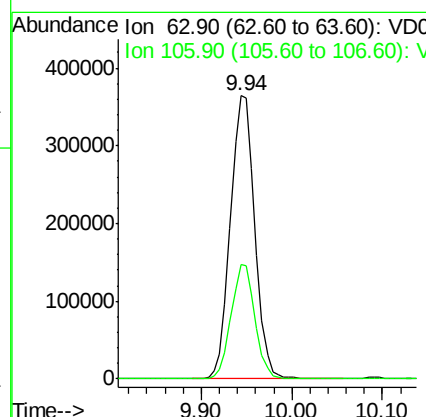
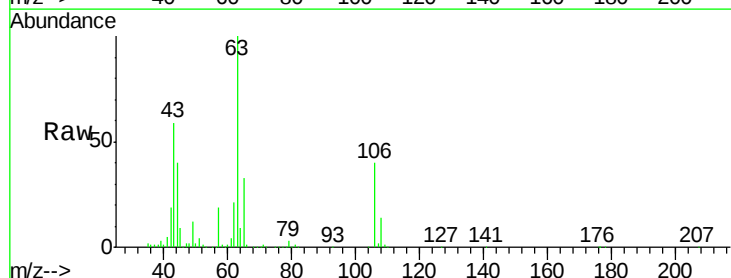
Manual Integrations
 APPROVED

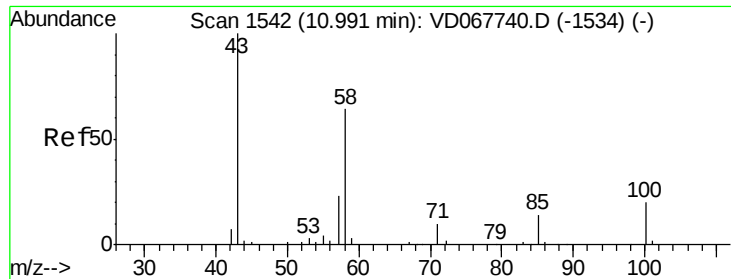
MMDadoda
 11/24/2020 2:56:35 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 812.796 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD067742.D
 Acq: 23 Nov 2020 13:11

Tgt Ion: 63 Resp: 679926
 Ion Ratio Lower Upper
 63 100
 106 39.5 31.0 46.6





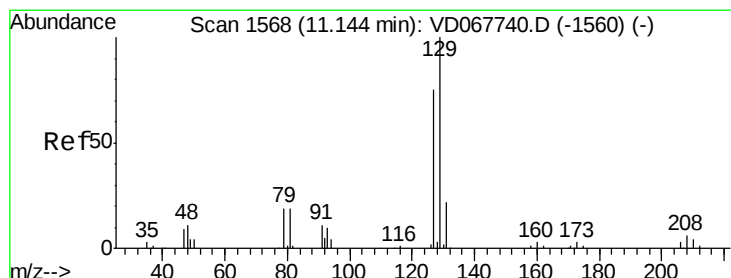
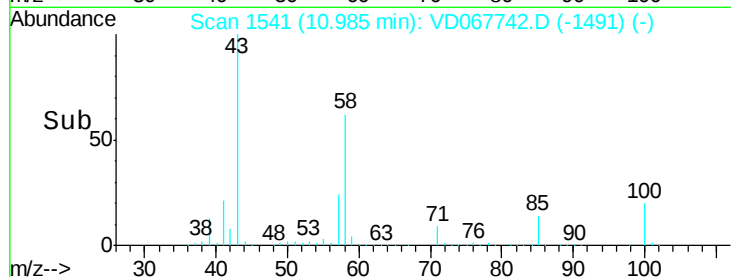
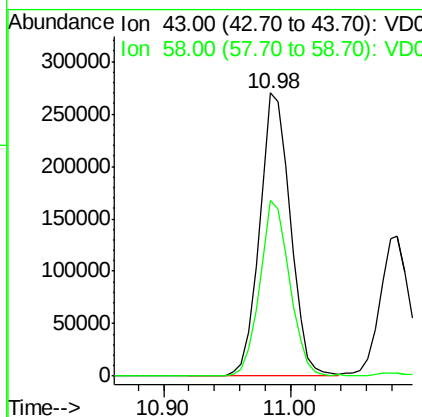
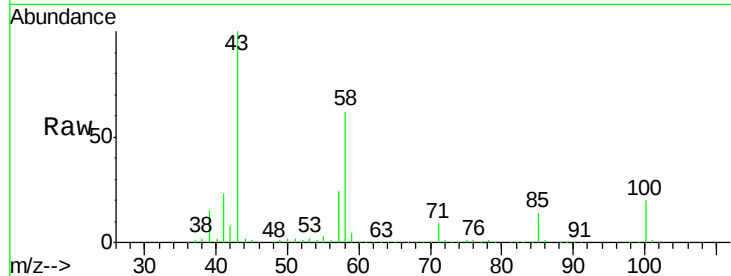
#59
2-Hexanone
Concen: 760.654 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD067742.D
Acq: 23 Nov 2020 13:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 456397
Ion Ratio Lower Upper
43 100
58 60.3 30.5 91.5

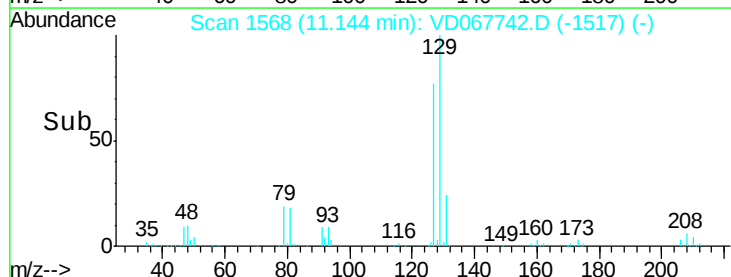
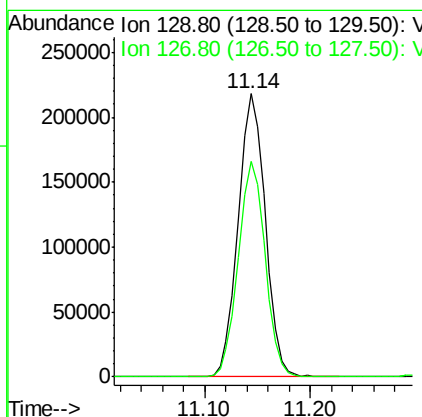
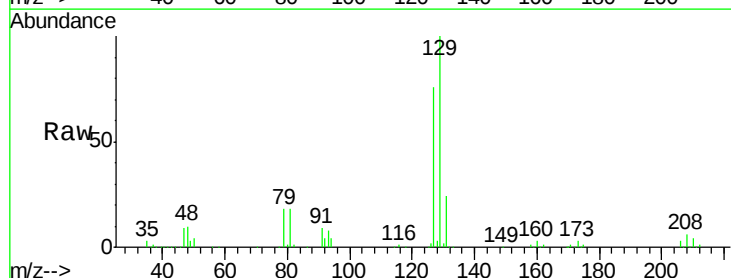
Manual Integrations
APPROVED

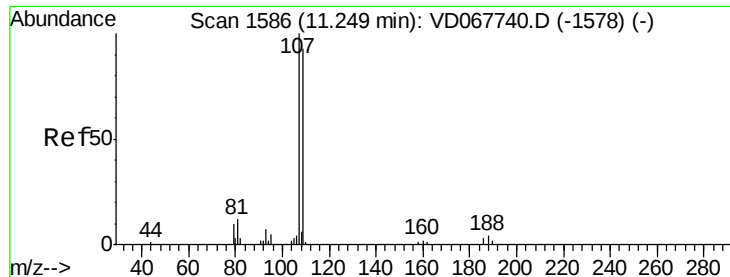
MMDadoda
11/24/2020 2:56:35 PM



#60
Dibromochloromethane
Concen: 146.758 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD067742.D
Acq: 23 Nov 2020 13:11

Tgt Ion: 129 Resp: 387726
Ion Ratio Lower Upper
129 100
127 75.5 38.6 115.7





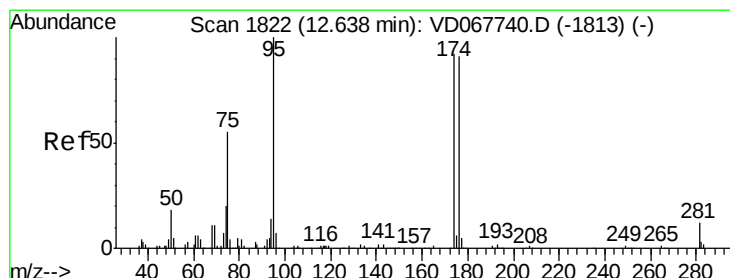
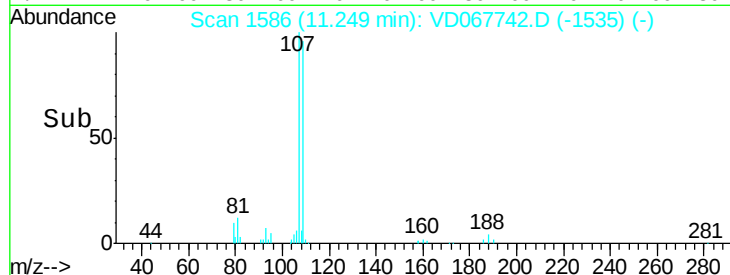
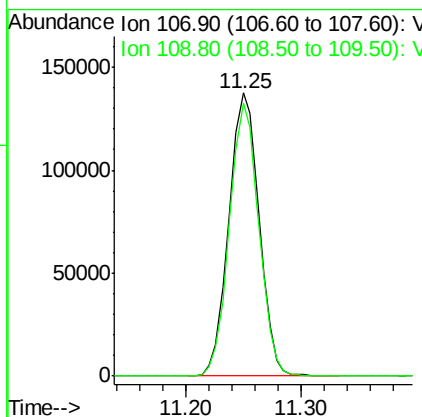
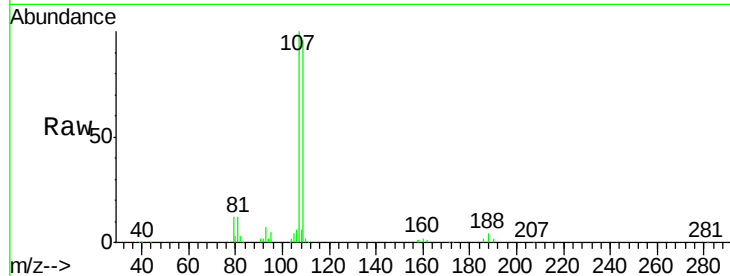
#61
1,2-Dibromoethane
Concen: 145.934 ug/l
RT: 11.25 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VD067742.D
Acq: 23 Nov 2020 13:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.9	75.1	112.7

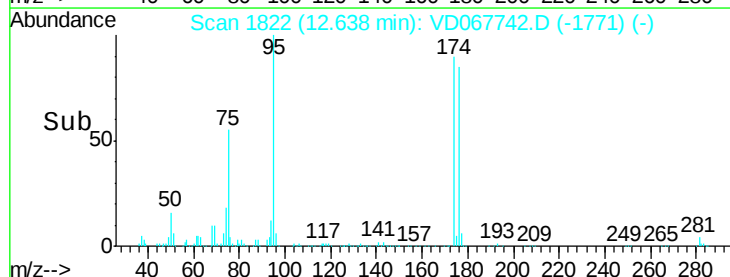
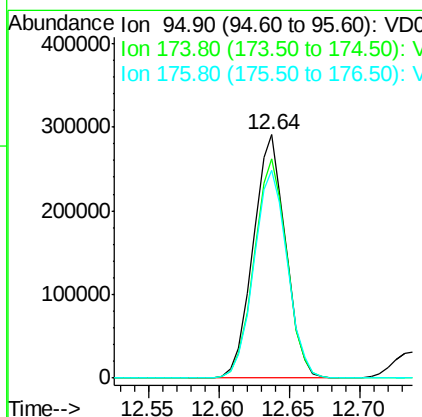
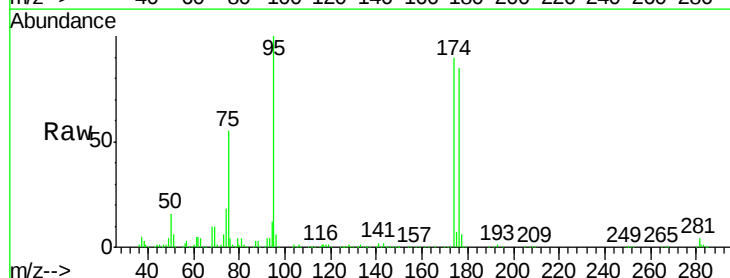
Manual Integrations
APPROVED

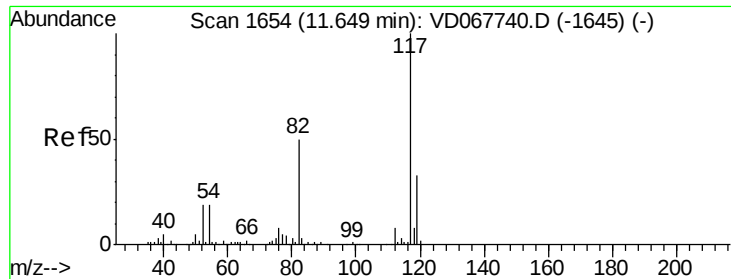
MMDadoda
11/24/2020 2:56:35 PM



#62
4-Bromofluorobenzene
Concen: 150.381 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD067742.D
Acq: 23 Nov 2020 13:11

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.6	0.0	182.4
176	87.8	0.0	178.2





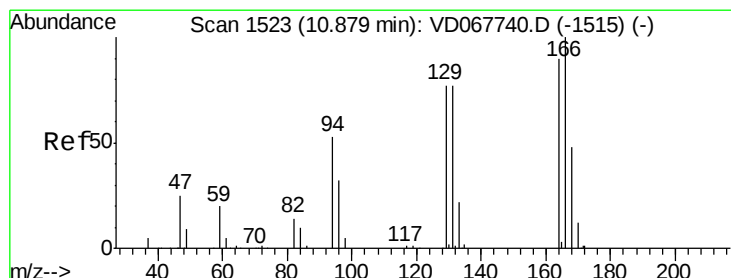
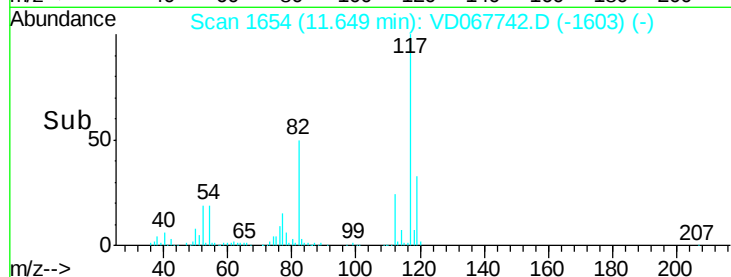
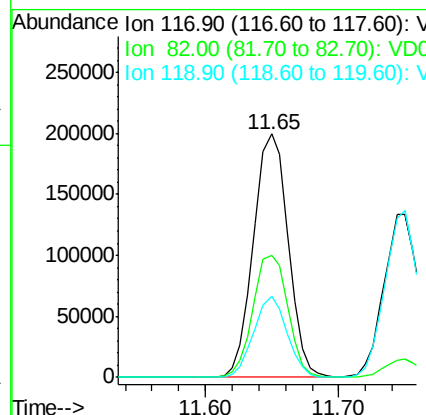
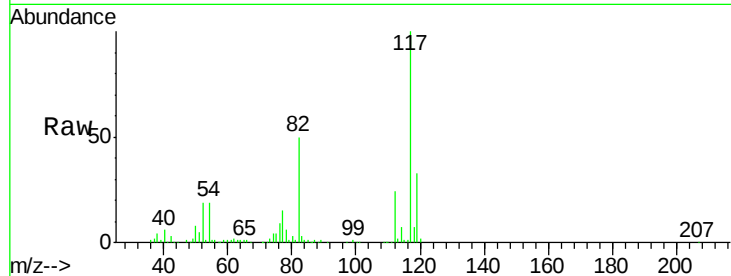
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067742.D
Acq: 23 Nov 2020 13:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
82	49.9	40.2	60.4
119	33.5	26.5	39.7

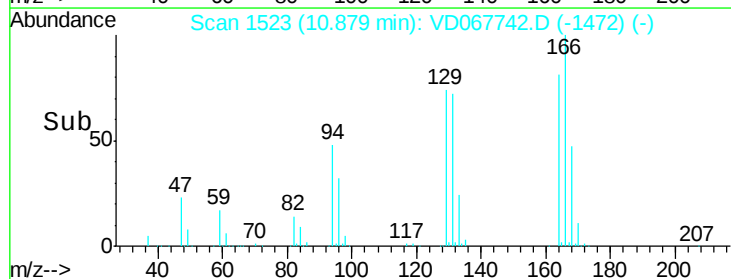
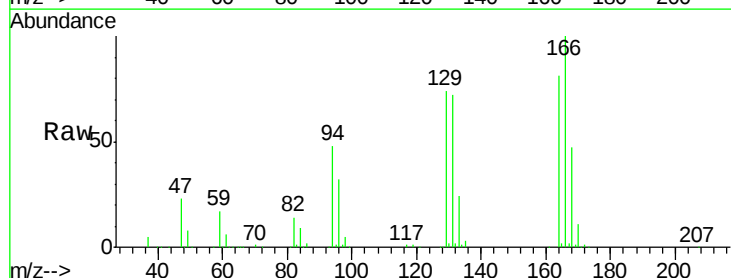
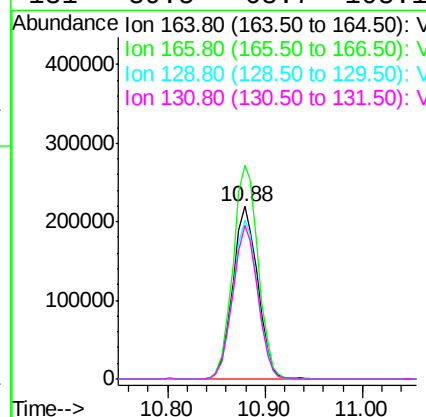
Manual Integrations
APPROVED

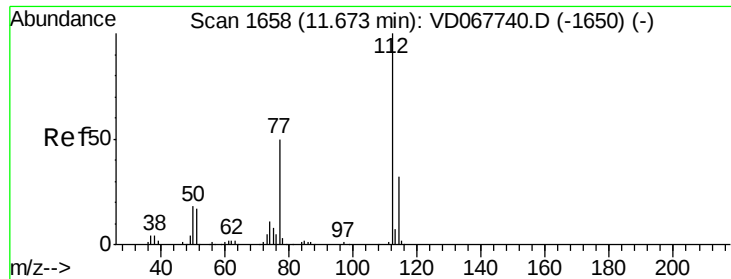
MMDadoda
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#64
Tetrachloroethene
Concen: 137.920 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD067742.D
Acq: 23 Nov 2020 13:11

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.0	89.2	133.8
129	92.3	68.4	102.6
131	89.5	68.7	103.1





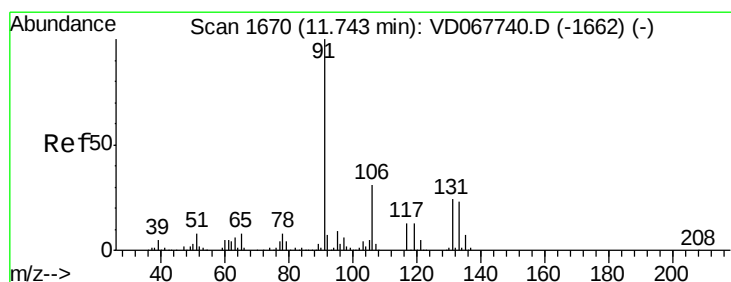
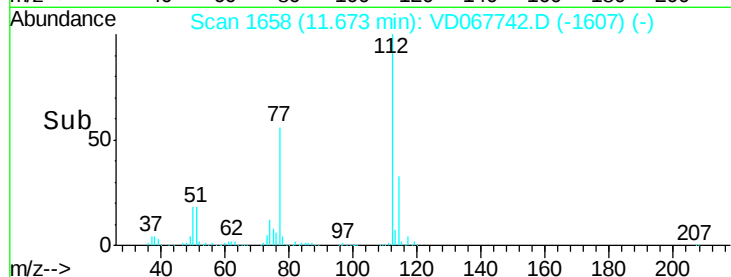
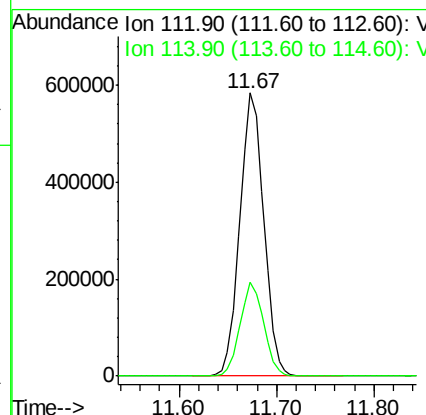
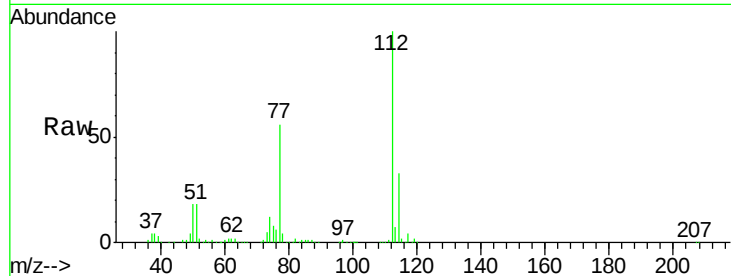
#65
Chlorobenzene
Concen: 140.229 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD067742.D
Acq: 23 Nov 2020 13:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
112	100	995579		
114	33.3	25.8	38.8	

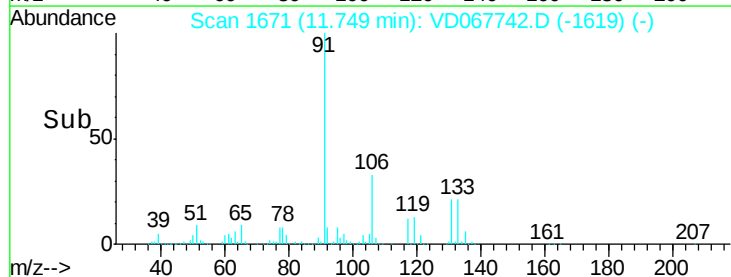
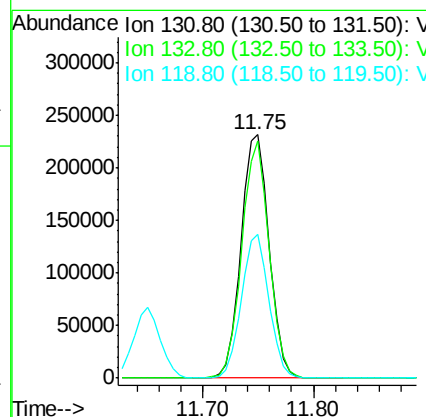
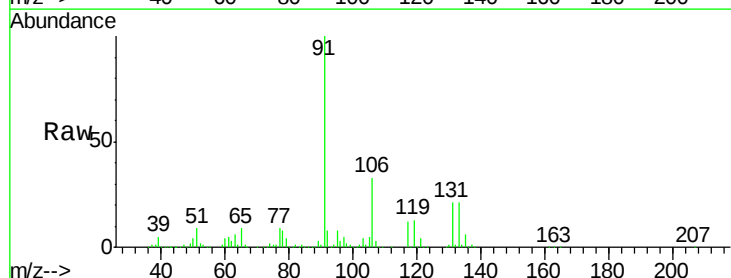
Manual Integrations
APPROVED

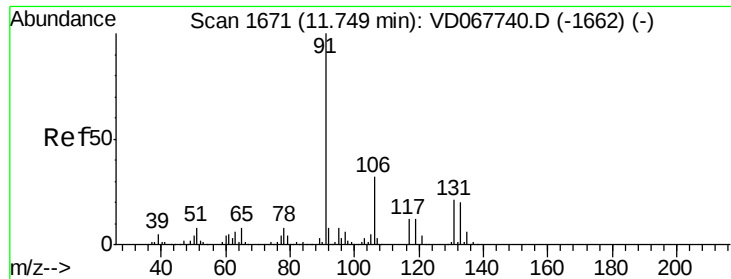
MMDadoda
11/24/2020 2:56:35 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 145.444 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD067742.D
Acq: 23 Nov 2020 13:11

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	413684		
133	94.7	49.0	147.0	
119	57.9	28.8	86.5	





#67

Ethyl Benzene

Concen: 145.843 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD067742.D

Acq: 23 Nov 2020 13:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 1777371

Ion Ratio Lower Upper

91 100

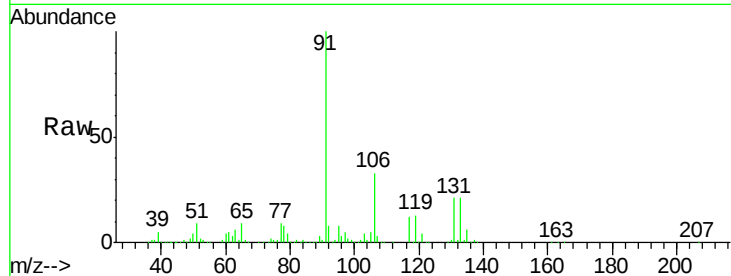
106 32.7 25.7 38.5

Manual Integrations

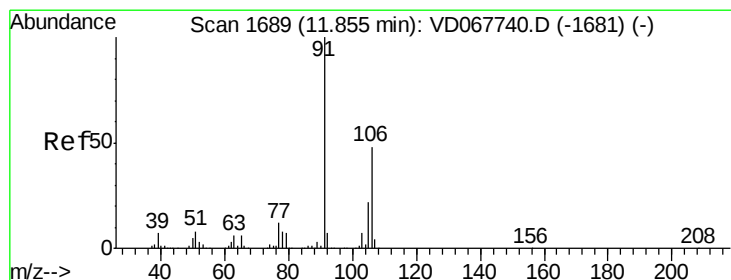
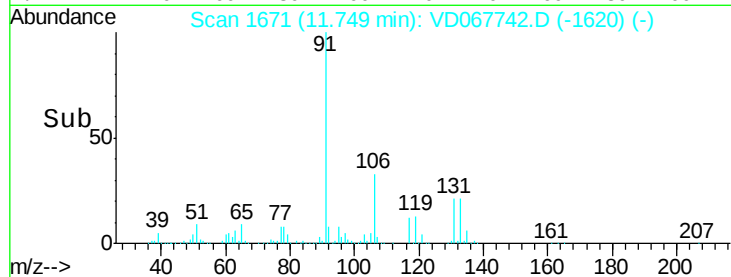
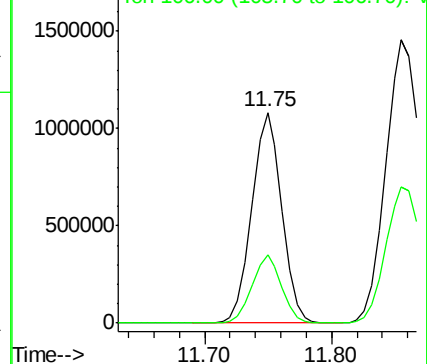
APPROVED

MMDadoda

11/24/2020 2:56:35 PM



Abundance Ion 91.00 (90.70 to 91.70): VD067742.D (-1662) (-)



#68

m/p-Xylenes

Concen: 287.096 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD067742.D

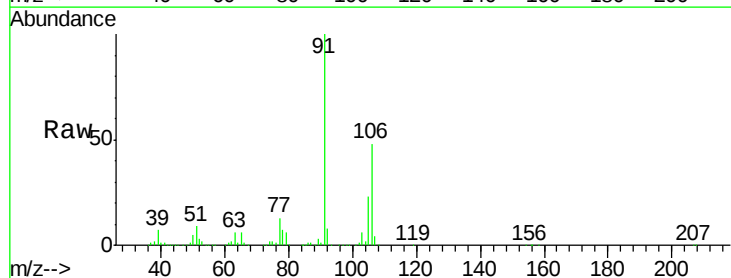
Acq: 23 Nov 2020 13:11

Tgt Ion: 106 Resp: 1367995

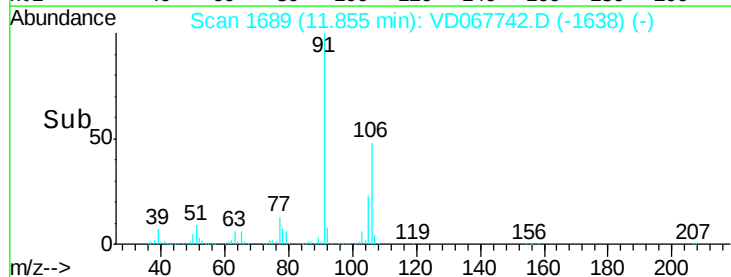
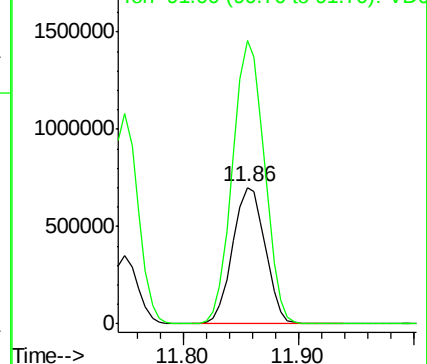
Ion Ratio Lower Upper

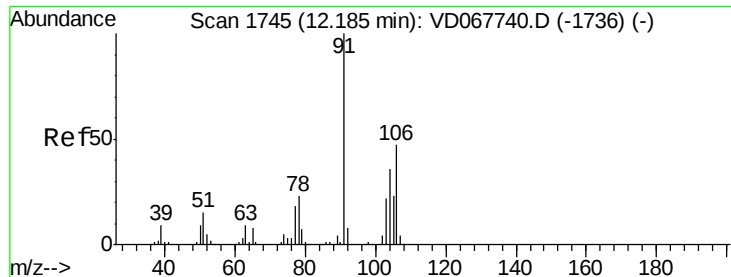
106 100

91 204.2 163.0 244.6



Abundance Ion 106.00 (105.70 to 106.70): VD067742.D (-1681) (-)





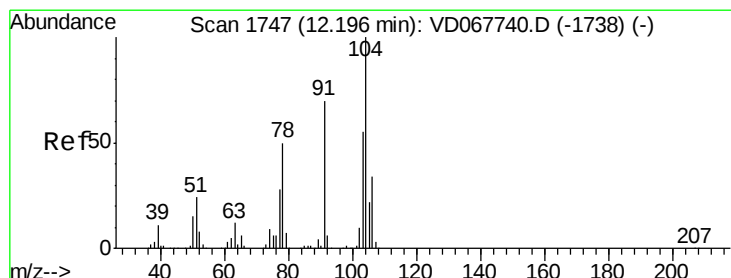
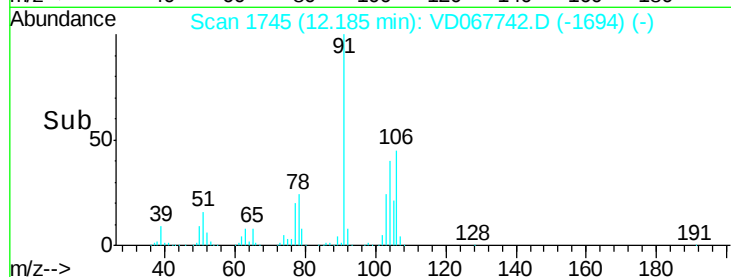
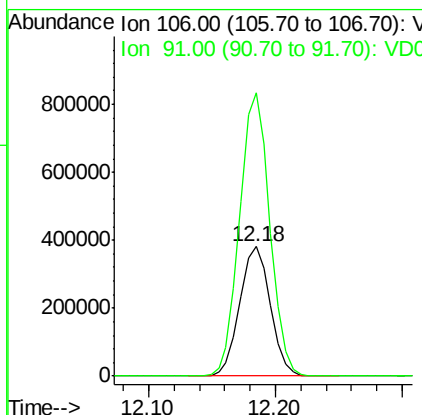
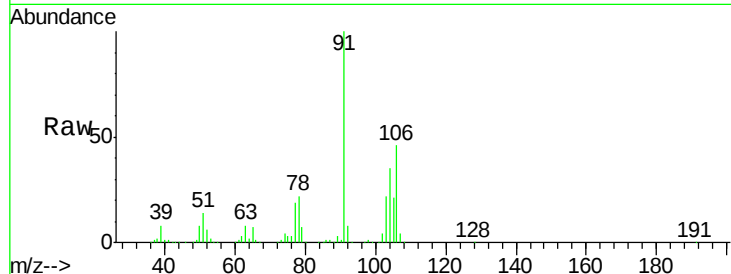
#69
o-Xylene
Concen: 147.426 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD067742.D
Acq: 23 Nov 2020 13:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		638765		
91	215.6	106.2	318.6		

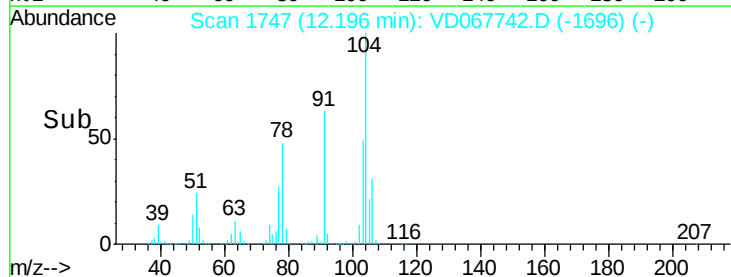
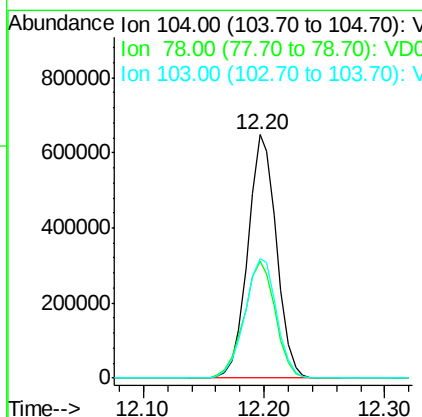
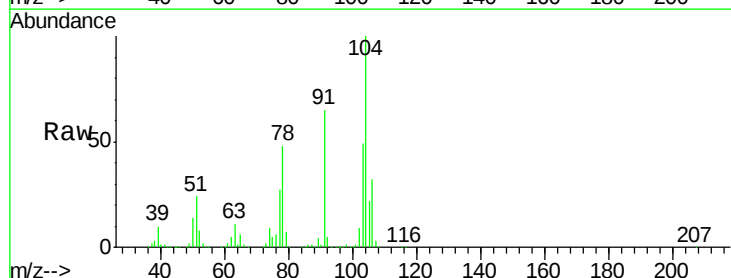
Manual Integrations
APPROVED

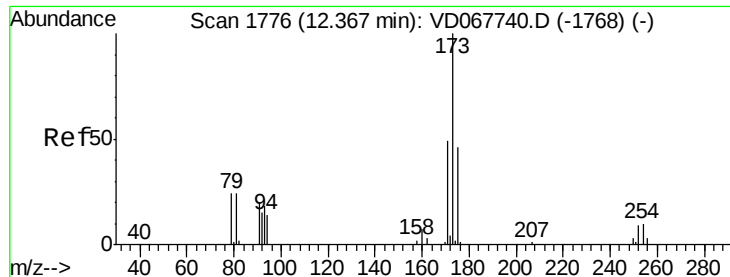
MMDadoda
11/24/2020 2:56:35 PM



#70
Styrene
Concen: 142.727 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD067742.D
Acq: 23 Nov 2020 13:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		1068294		
78	52.7	41.9	62.9		
103	54.6	44.1	66.1		





#71

Bromoform

Concen: 145.142 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.01 min

Lab File: VD067742.D

Acq: 23 Nov 2020 13:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion:173 Resp: 224757

Ion Ratio Lower Upper

173 100

175 48.5 23.9 71.7

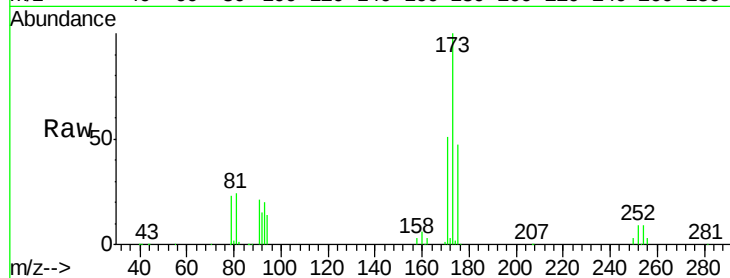
254 0.0 0.0 0.0#

Manual Integrations

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MMDadoda

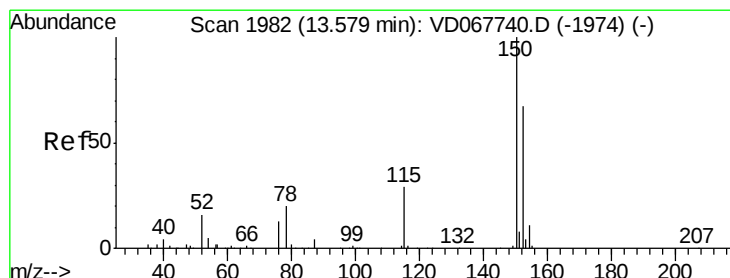
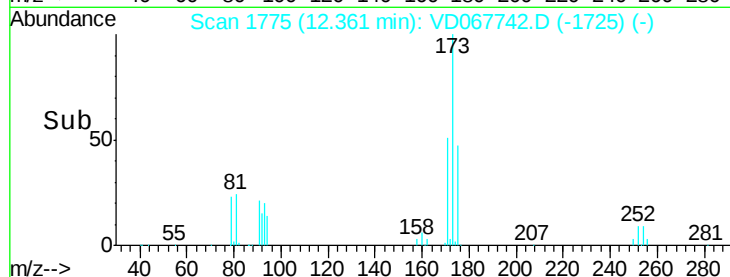
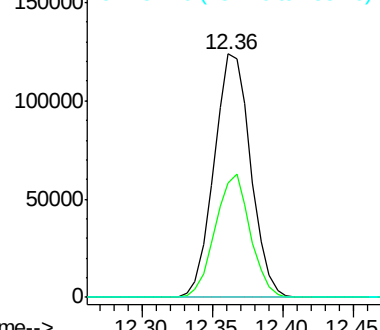
11/24/2020 2:56:35 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VD067742.D

Acq: 23 Nov 2020 13:11

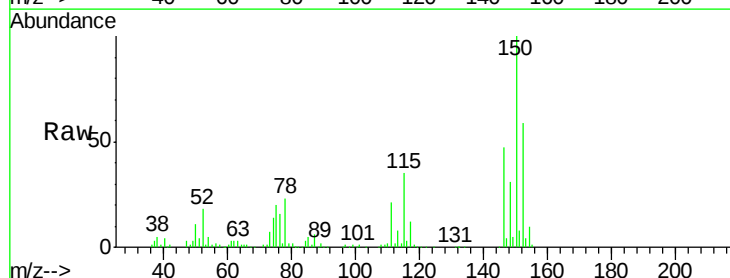
Tgt Ion:152 Resp: 173567

Ion Ratio Lower Upper

152 100

115 60.0 29.4 88.3

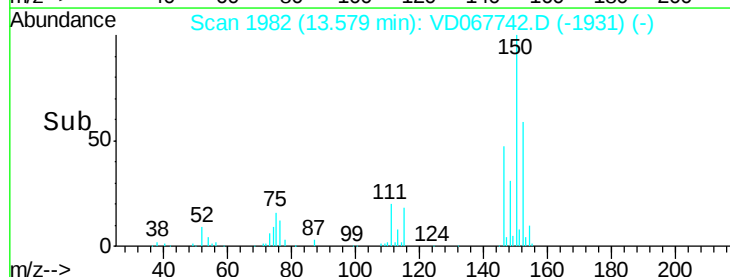
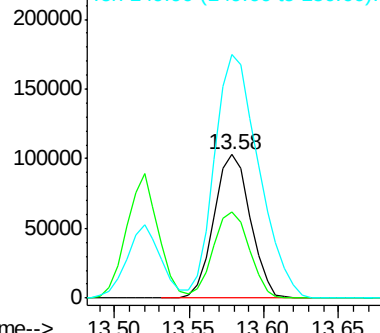
150 207.8 0.0 340.6

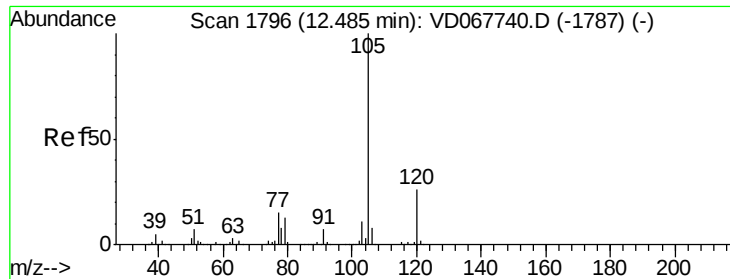


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





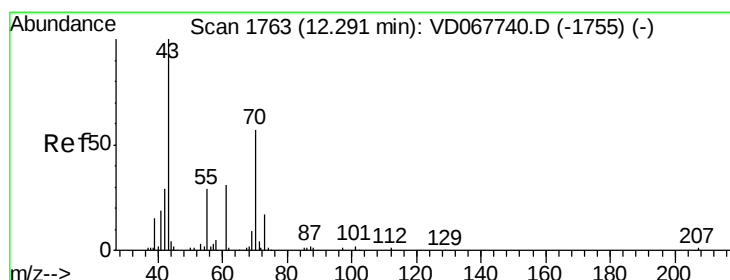
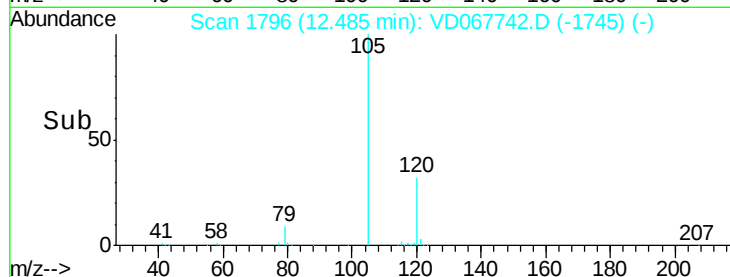
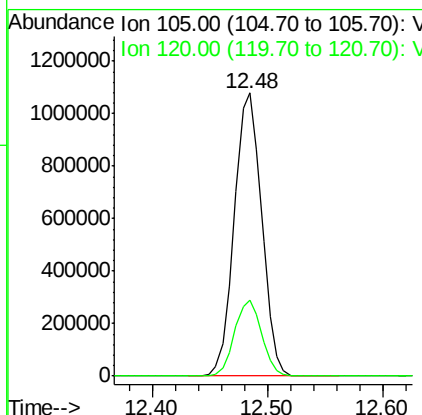
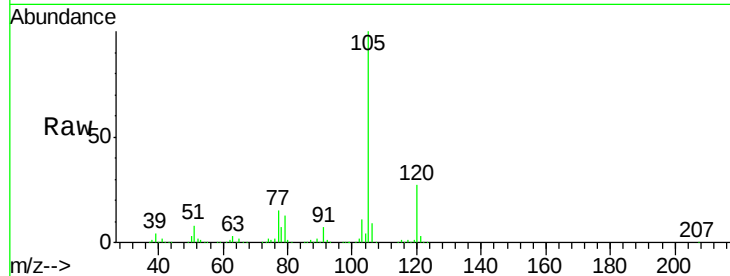
#73
Isopropylbenzene
Concen: 152.057 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VD067742.D
Acq: 23 Nov 2020 13:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion:105 Resp: 1770494
Ion Ratio Lower Upper
105 100
120 26.5 13.2 39.6

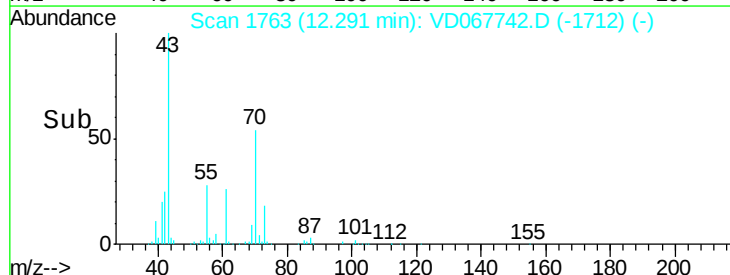
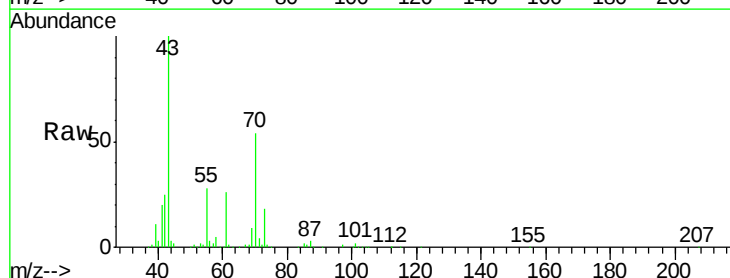
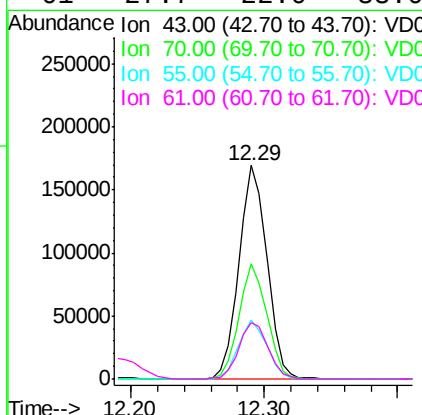
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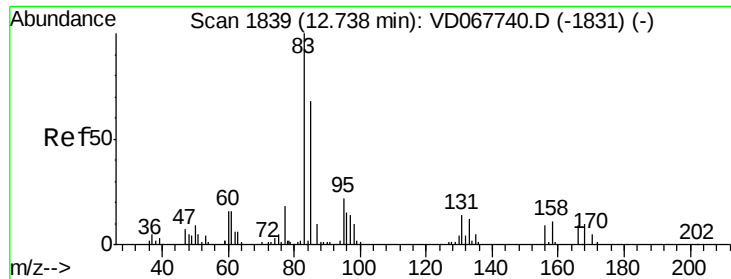
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#74
N-ethyl acetate
Concen: 163.284 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. -0.00 min
Lab File: VD067742.D
Acq: 23 Nov 2020 13:11

Tgt Ion: 43 Resp: 246302
Ion Ratio Lower Upper
43 100
70 53.5 44.6 66.8
55 27.9 24.2 36.2
61 27.7 22.0 33.0





#75

1,1,2,2-Tetrachloroethane

Concen: 148.413 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD067742.D

Acq: 23 Nov 2020 13:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 230297
Ion Ratio Lower Upper

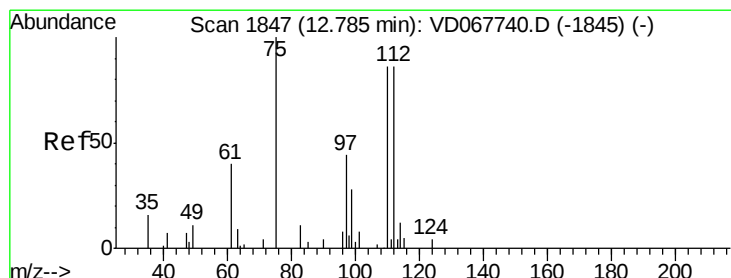
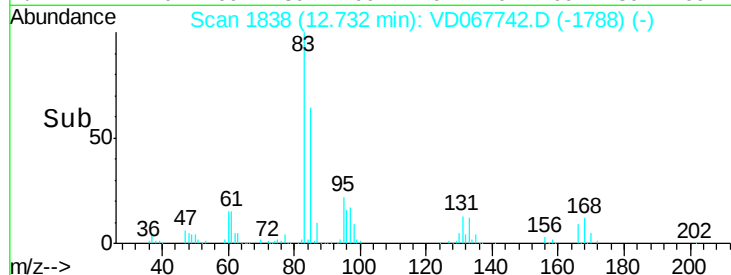
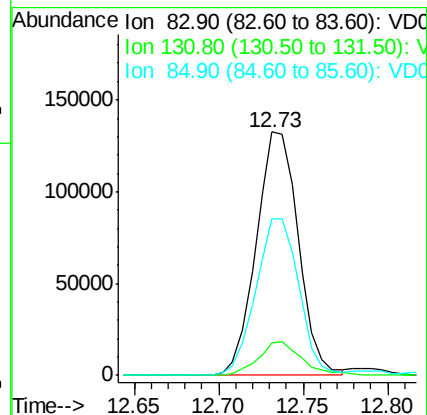
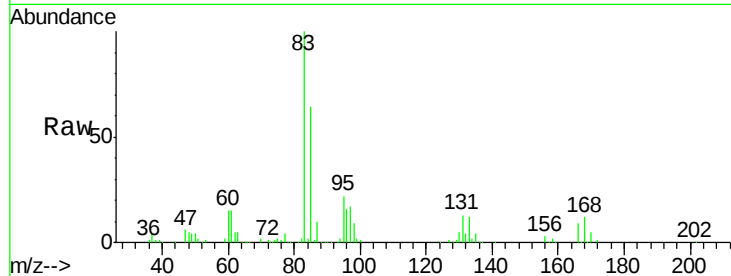
83 100

131 14.4 8.1 24.1

85 65.6 33.9 101.7

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#76

1,2,3-Trichloropropane

Concen: 130.004 ug/l m

RT: 12.78 min Scan# 1847

Delta R.T. -0.00 min

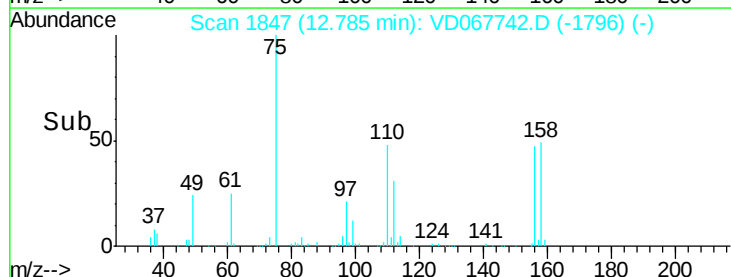
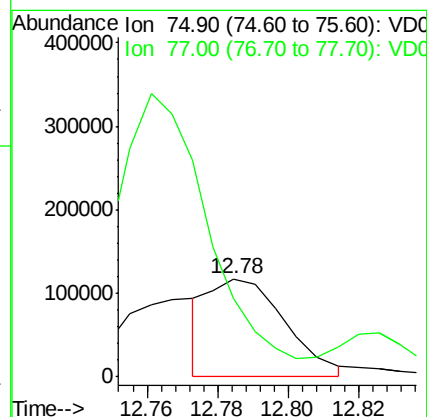
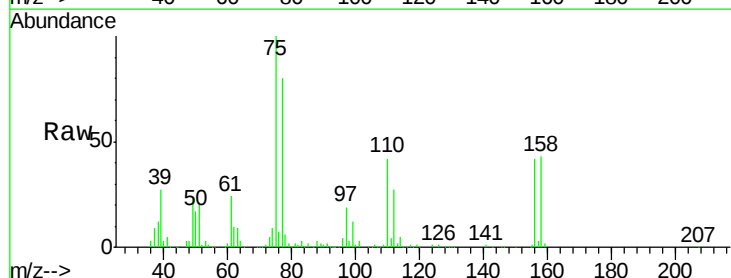
Lab File: VD067742.D

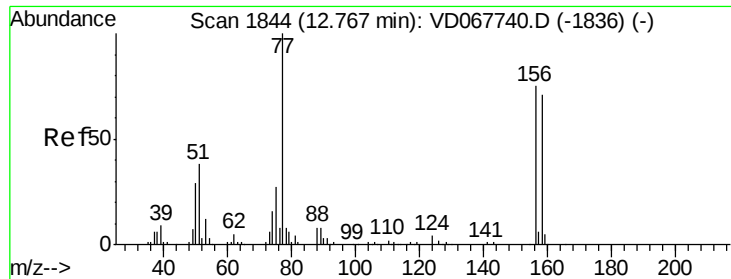
Acq: 23 Nov 2020 13:11

Tgt Ion: 75 Resp: 175854
Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 148.239 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.01 min

Lab File: VD067742.D

Acq: 23 Nov 2020 13:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion:156 Resp: 429768

Ion Ratio Lower Upper

156 100

77 148.3 73.5 220.3

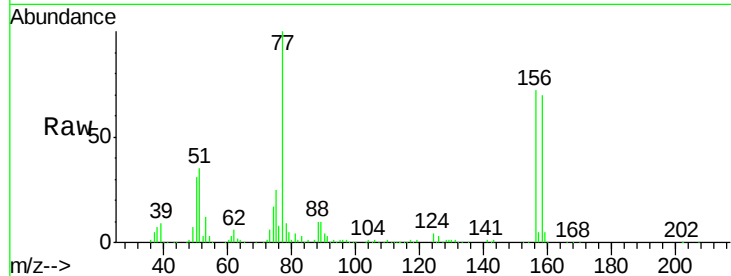
158 98.5 48.1 144.4

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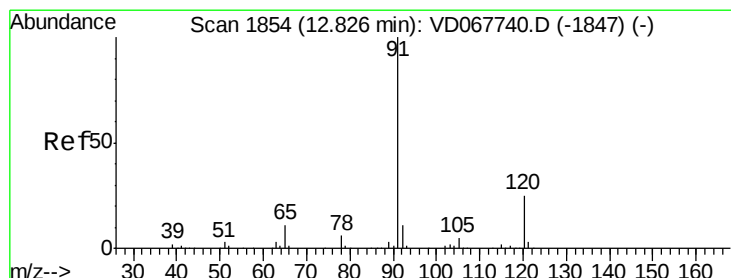
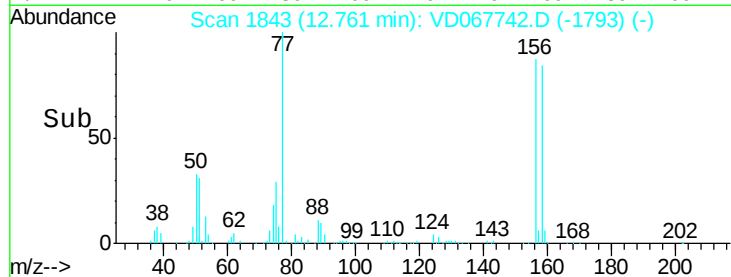
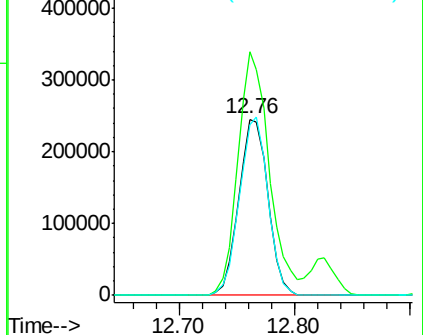
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 151.852 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD067742.D

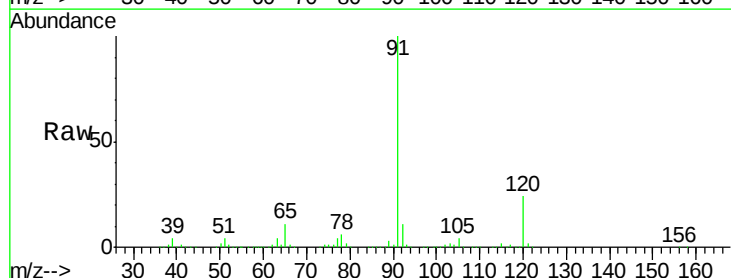
Acq: 23 Nov 2020 13:11

Tgt Ion: 91 Resp: 1960965

Ion Ratio Lower Upper

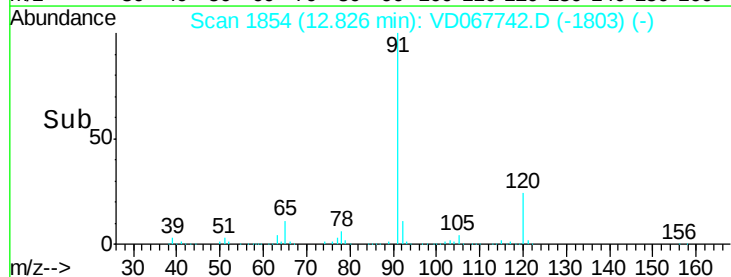
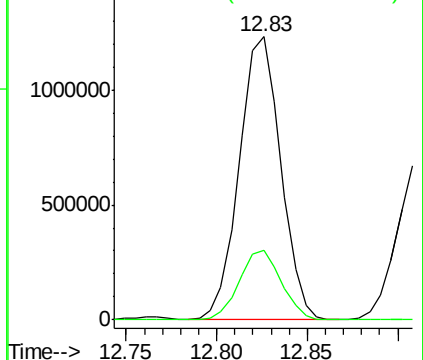
91 100

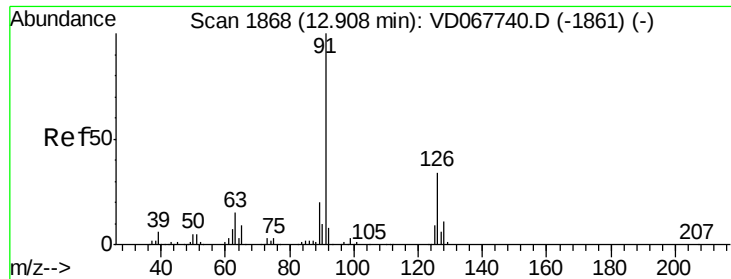
120 24.6 12.4 37.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





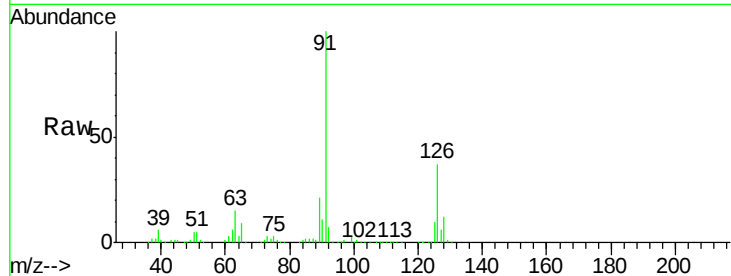
#79
 2-Chlorotoluene
 Concen: 150.552 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.01 min
 Lab File: VD067742.D
 Acq: 23 Nov 2020 13:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

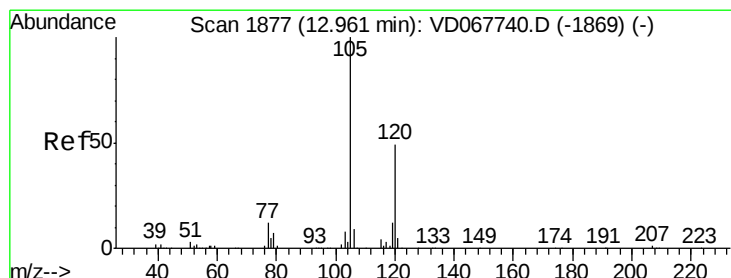
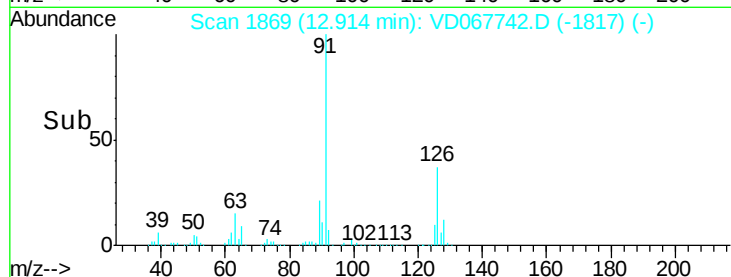
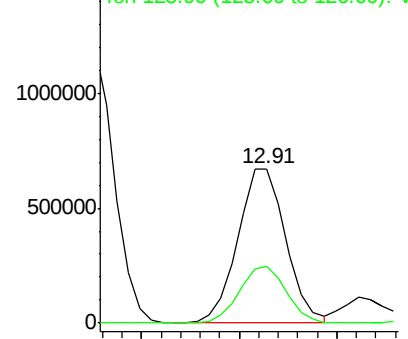
Tot Ion: 91 Resp: 1143815
 Ion Ratio Lower Upper
 91 100
 126 36.0 17.9 53.7

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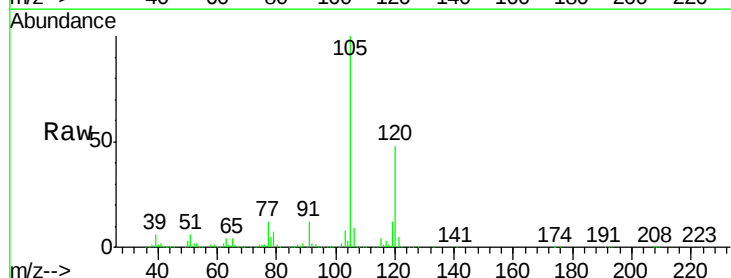


Abundance Ion 91.00 (90.70 to 91.70): VD
 Ion 125.90 (125.60 to 126.60): V

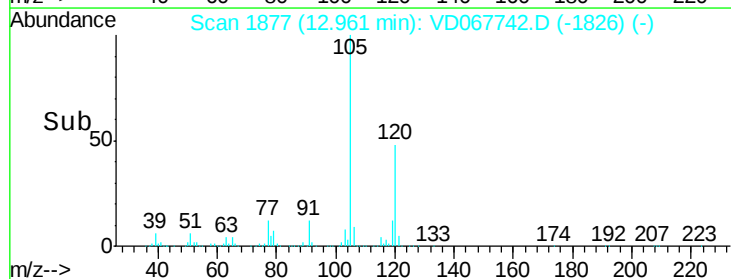
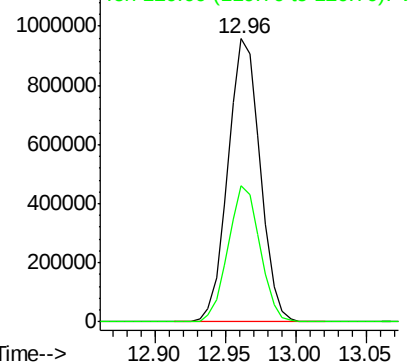


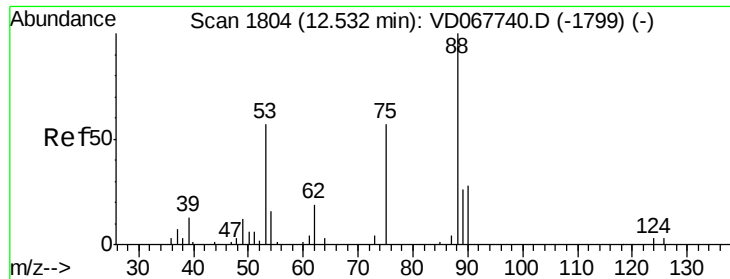
#80
 1,3,5-Trimethylbenzene
 Concen: 149.428 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VD067742.D
 Acq: 23 Nov 2020 13:11

Tgt Ion:105 Resp: 1527263
 Ion Ratio Lower Upper
 105 100
 120 47.9 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 155.717 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD067742.D

Acq: 23 Nov 2020 13:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 75 Resp: 80658

Ion Ratio Lower Upper

75 100

53 98.8 76.0 114.0

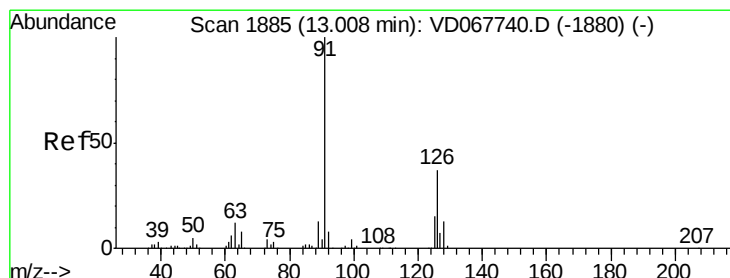
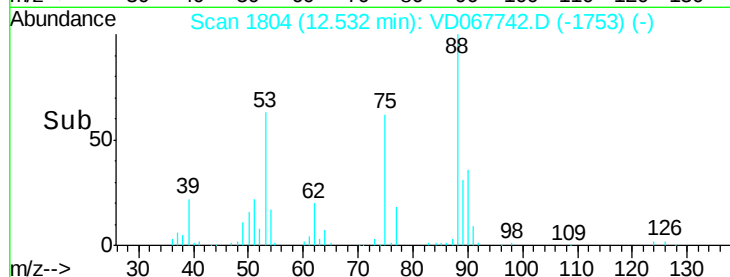
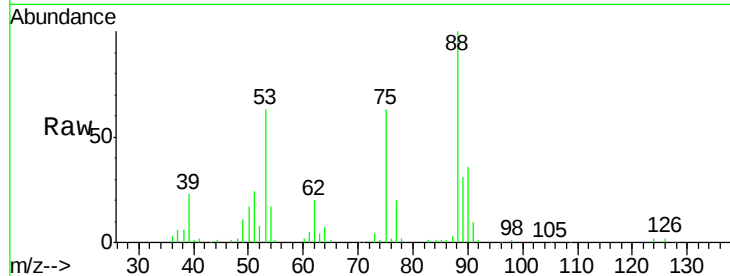
89 52.5 40.2 60.4

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#82

4-Chlorotoluene

Concen: 148.676 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VD067742.D

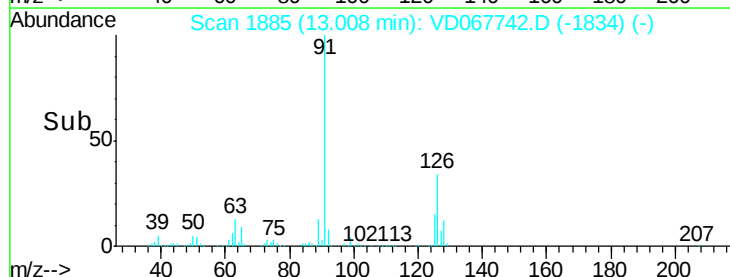
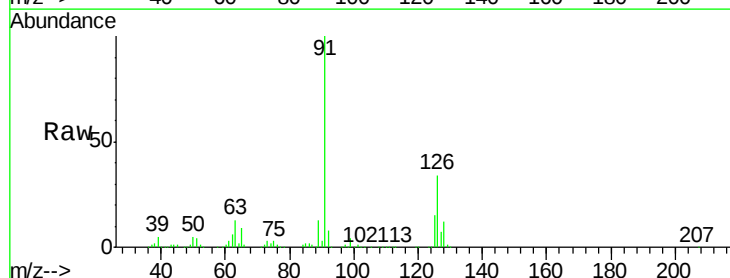
Acq: 23 Nov 2020 13:11

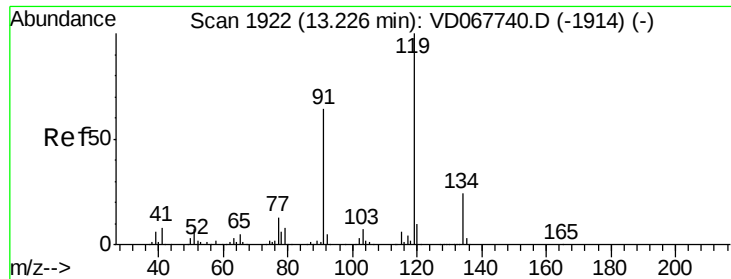
Tgt Ion: 91 Resp: 1205423

Ion Ratio Lower Upper

91 100

126 35.4 17.7 53.1





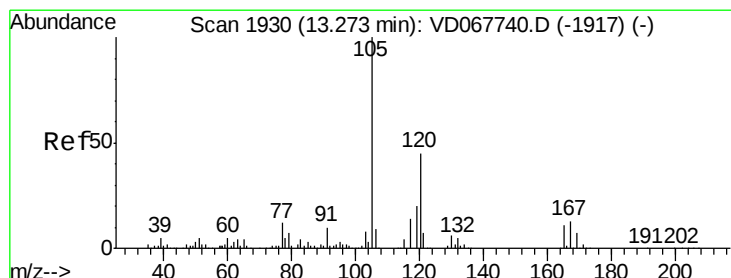
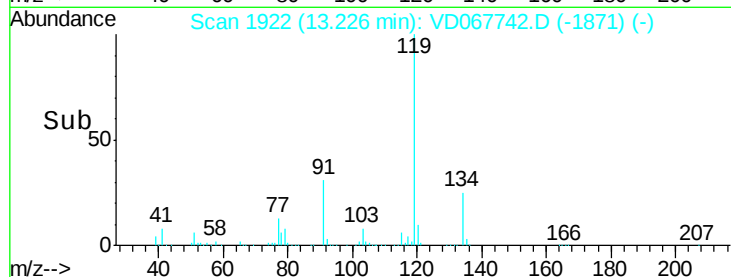
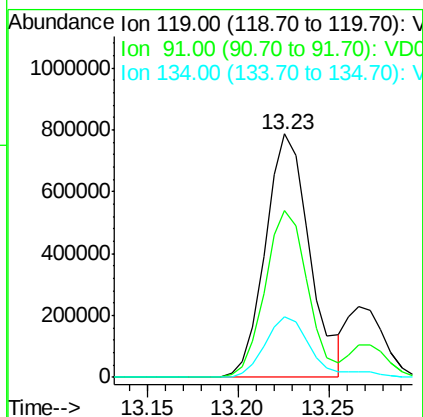
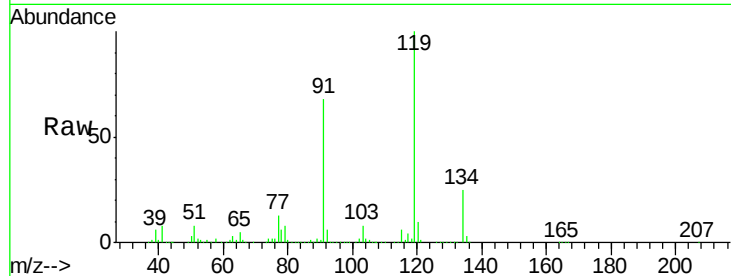
#83
tert-Butylbenzene
Concen: 155.313 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD067742.D
Acq: 23 Nov 2020 13:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion:119 Resp: 1337707
Ion Ratio Lower Upper
119 100
91 66.3 32.9 98.7
134 26.5 12.9 38.6

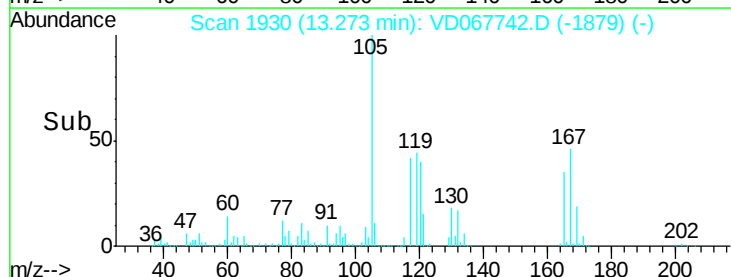
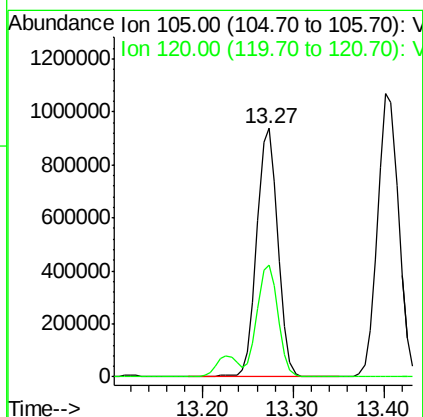
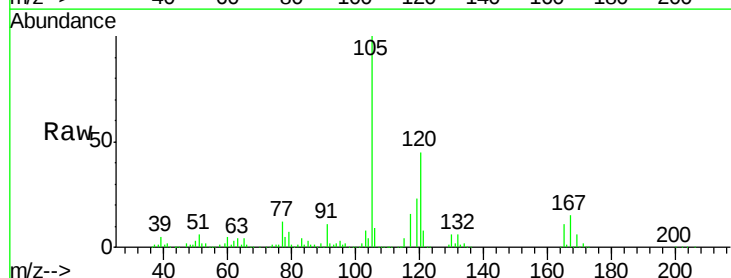
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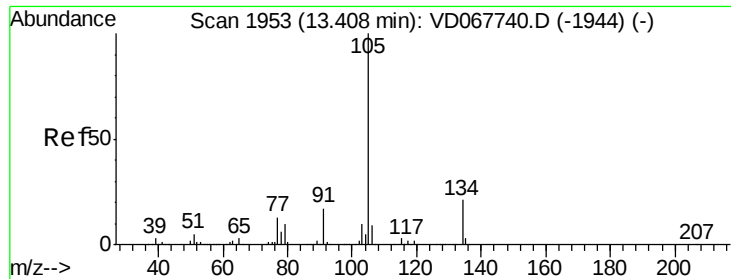
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#84
1,2,4-Trimethylbenzene
Concen: 150.315 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.00 min
Lab File: VD067742.D
Acq: 23 Nov 2020 13:11

Tgt Ion:105 Resp: 1511527
Ion Ratio Lower Upper
105 100
120 44.8 22.6 67.7





#85

sec-Butylbenzene

Concen: 151.488 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.01 min

Lab File: VD067742.D

Acq: 23 Nov 2020 13:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 1722991

Ion Ratio Lower Upper

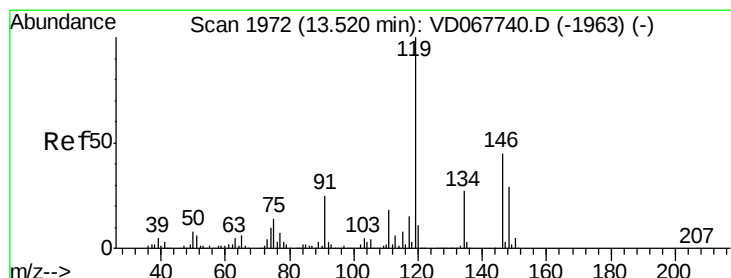
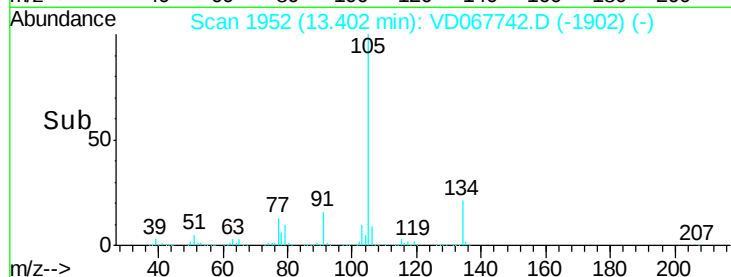
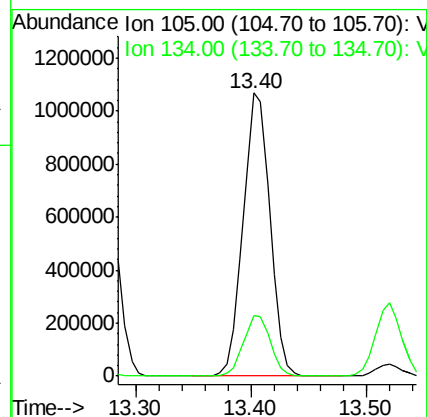
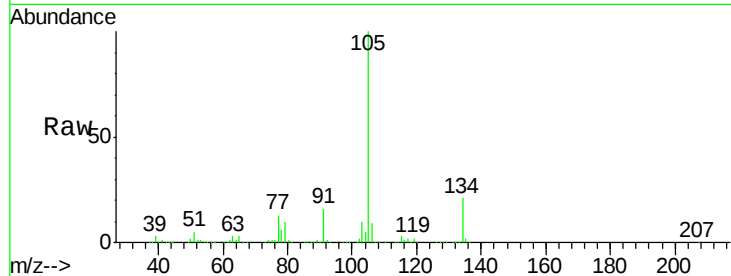
105 100

134 21.4 10.7 32.1

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#86

p-Isopropyltoluene

Concen: 151.328 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD067742.D

Acq: 23 Nov 2020 13:11

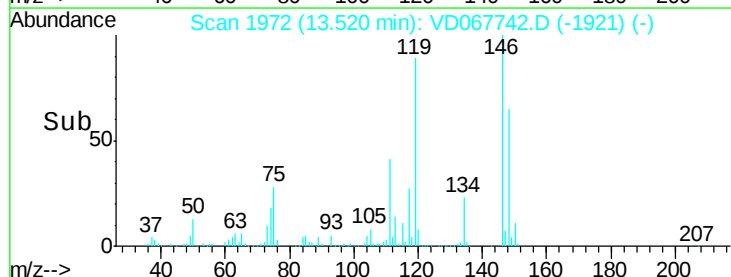
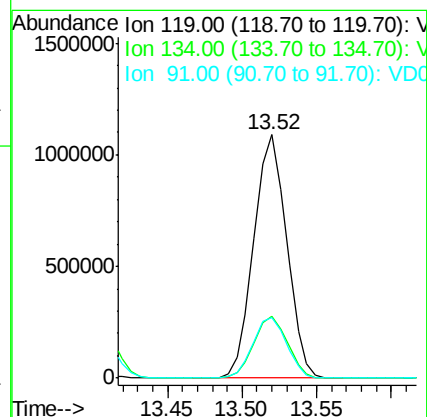
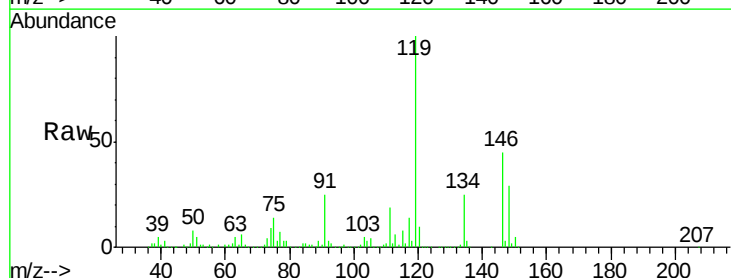
Tgt Ion:119 Resp: 1664506

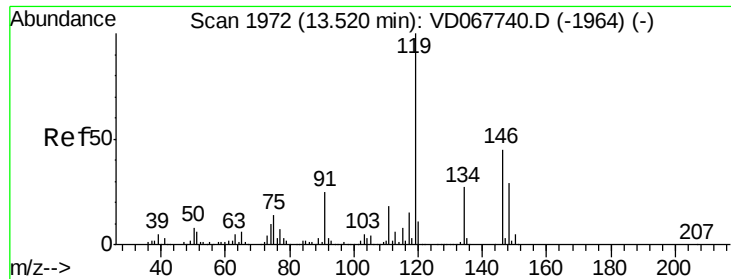
Ion Ratio Lower Upper

119 100

134 26.1 13.0 38.9

91 25.4 12.7 38.1





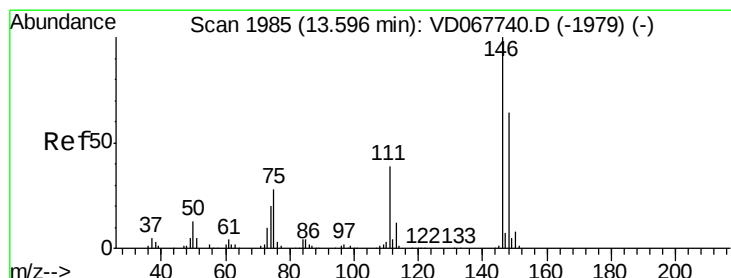
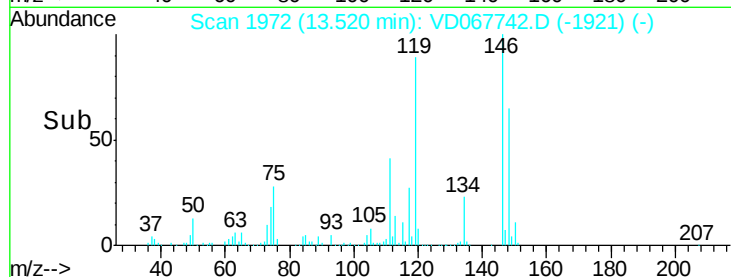
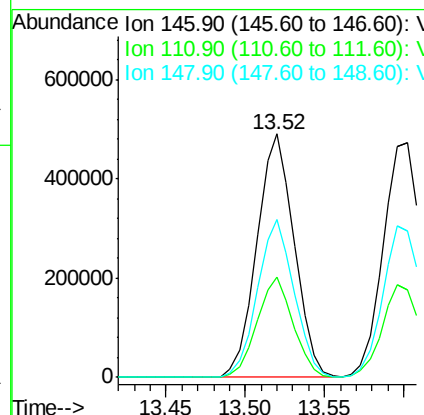
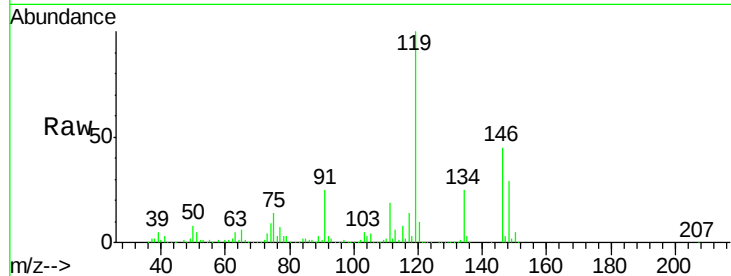
#87
 1,3-Dichlorobenzene
 Concen: 142.370 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD067742.D
 Acq: 23 Nov 2020 13:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.2	60.6
148	63.4	32.5	97.4

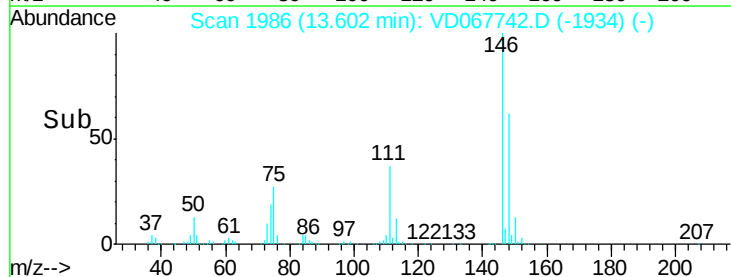
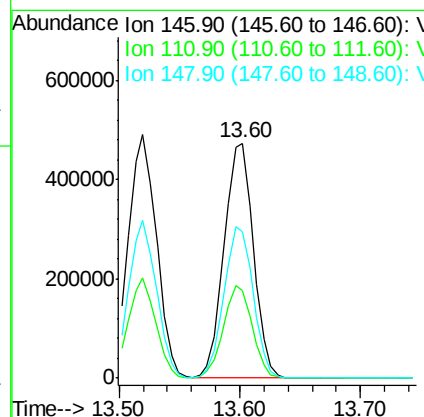
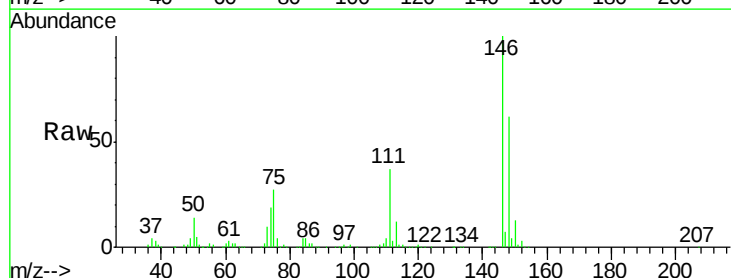
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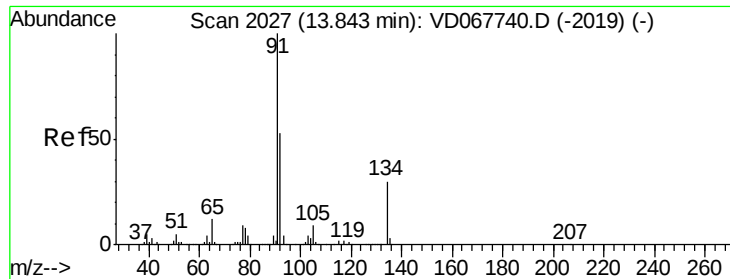
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#88
 1,4-Dichlorobenzene
 Concen: 141.362 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.01 min
 Lab File: VD067742.D
 Acq: 23 Nov 2020 13:11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.4	58.4
148	64.2	31.6	94.8





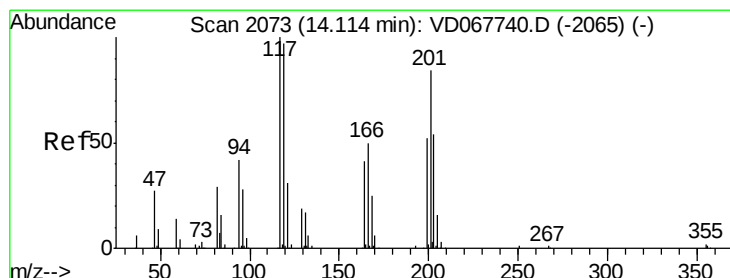
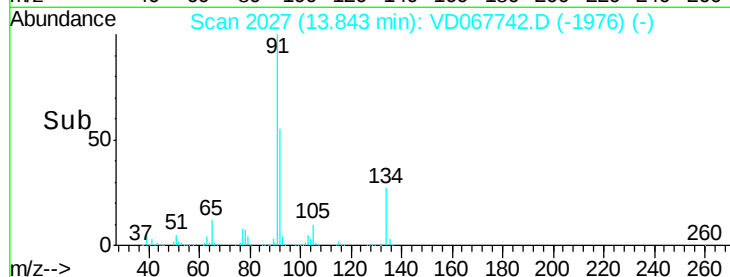
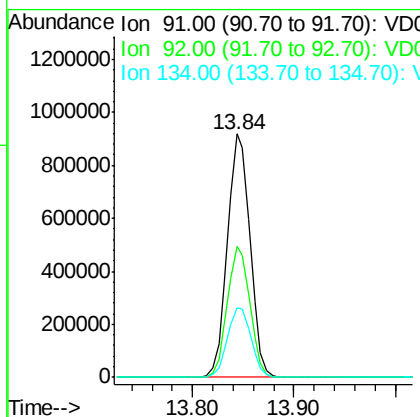
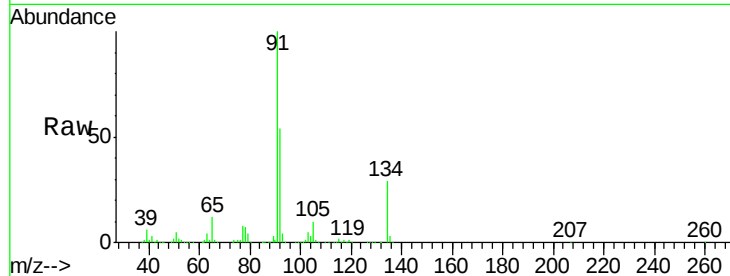
#89
n-Butylbenzene
Concen: 150.284 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.00 min
Lab File: VD067742.D
Acq: 23 Nov 2020 13:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 1415072
Ion Ratio Lower Upper
91 100
92 53.9 26.6 79.7
134 29.7 14.8 44.3

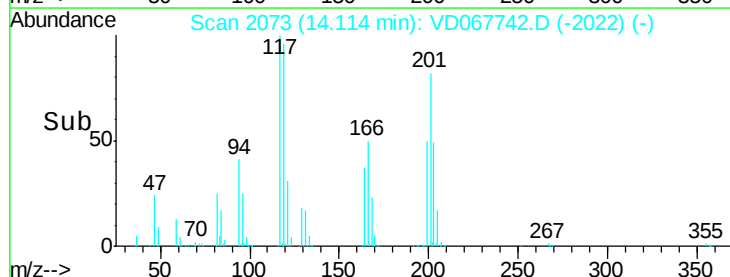
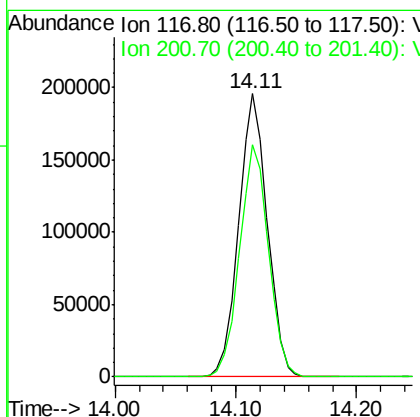
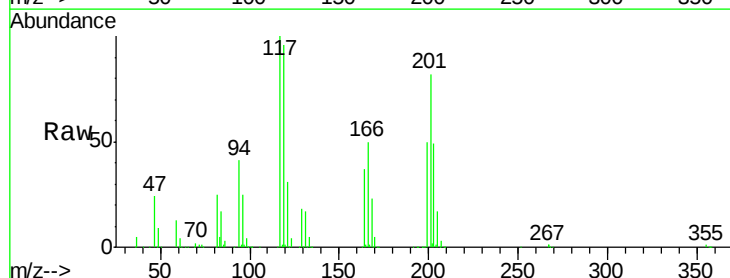
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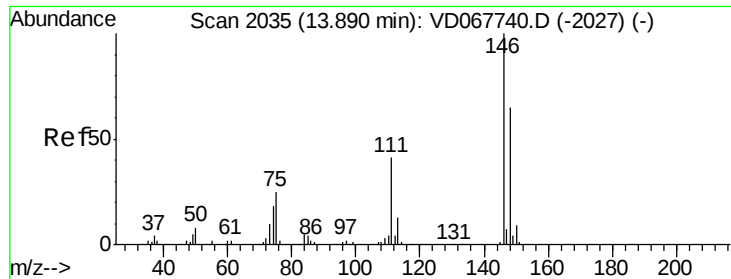
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#90
Hexachloroethane
Concen: 153.985 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD067742.D
Acq: 23 Nov 2020 13:11

Tgt Ion: 117 Resp: 322756
Ion Ratio Lower Upper
117 100
201 83.2 42.2 126.6





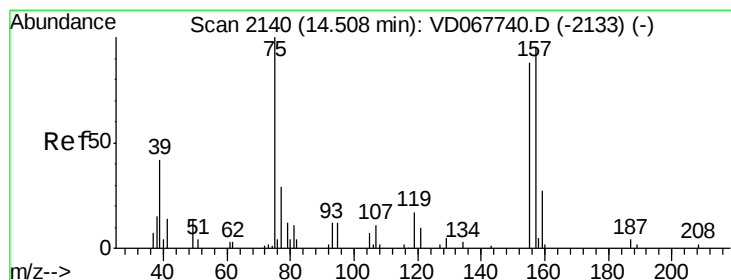
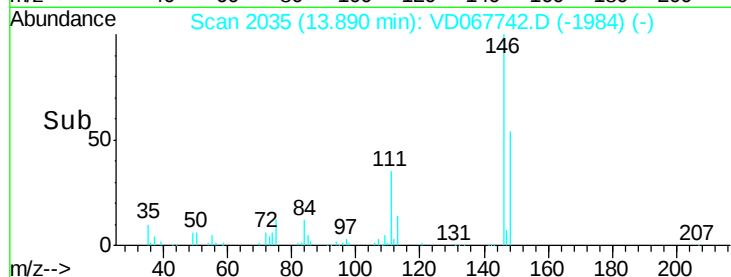
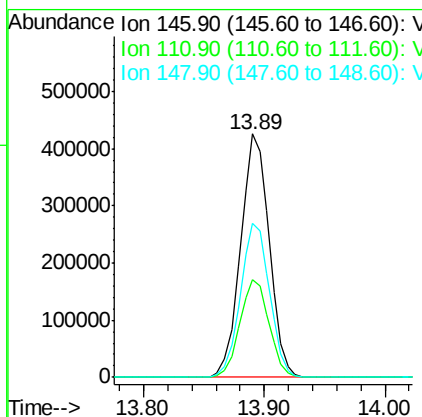
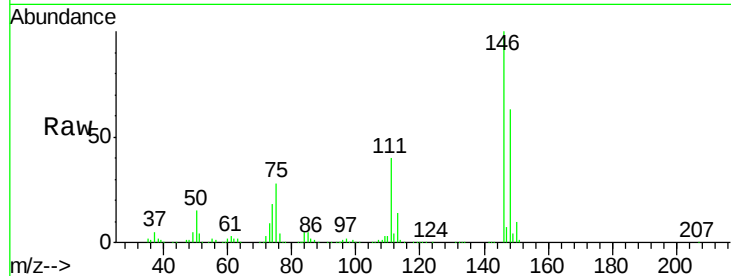
#91
 1,2-Dichlorobenzene
 Concen: 144.839 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: VD067742.D
 Acq: 23 Nov 2020 13:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.8	62.5
148	64.3	32.4	97.2

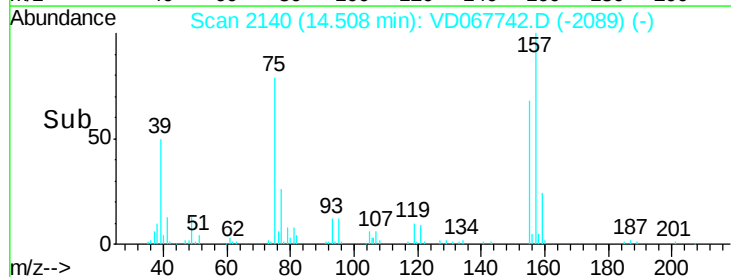
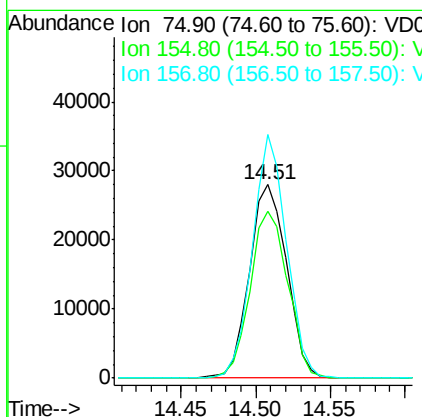
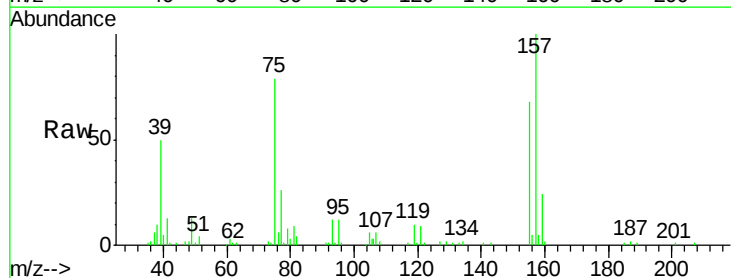
Manual Integrations
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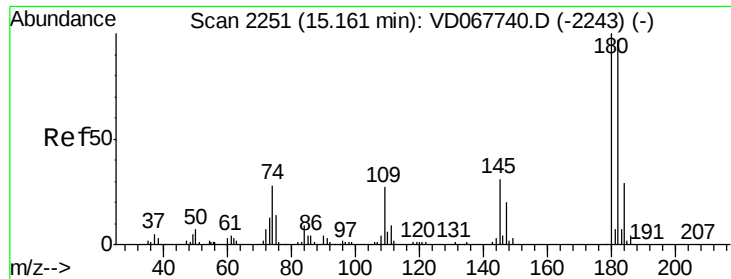
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 146.084 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. 0.00 min
 Lab File: VD067742.D
 Acq: 23 Nov 2020 13:11

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.1	41.0	123.0
157	114.9	51.1	153.4





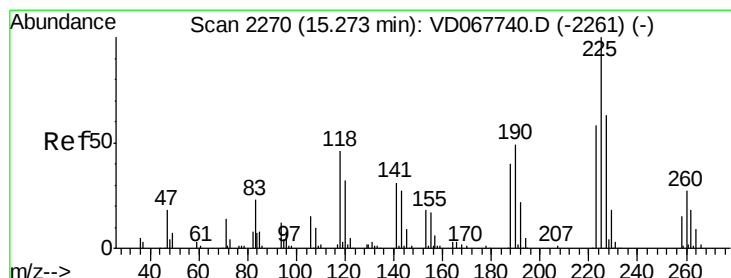
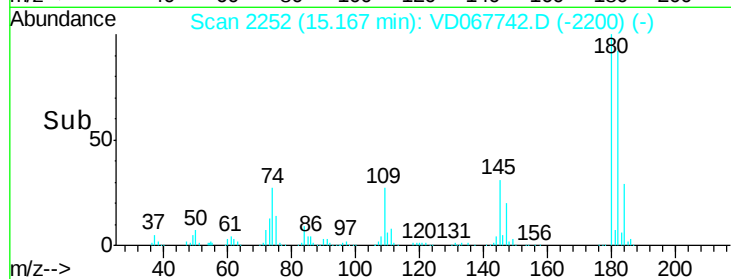
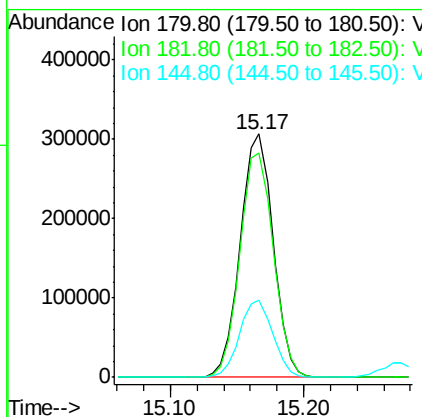
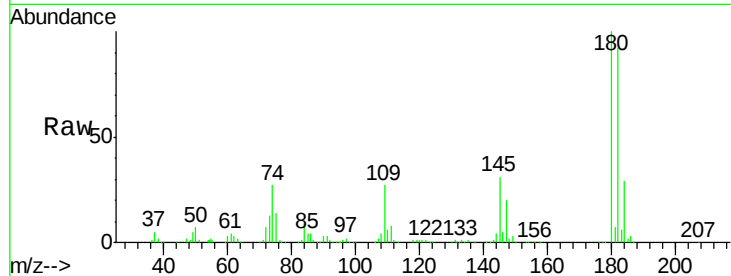
#93
 1,2,4-Trichlorobenzene
 Concen: 151.766 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.01 min
 Lab File: VD067742.D
 Acq: 23 Nov 2020 13:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
180	100	522213		
182	94.2	47.4	142.2	
145	32.1	16.1	48.3	

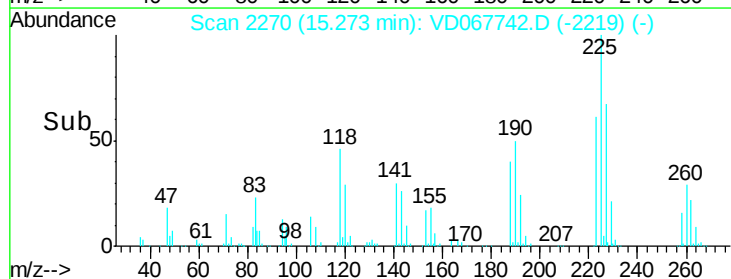
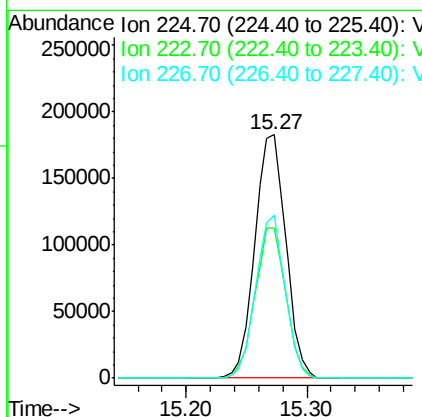
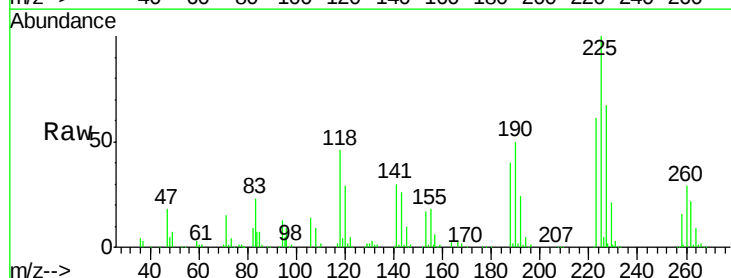
Manual Integrations
 APPROVED

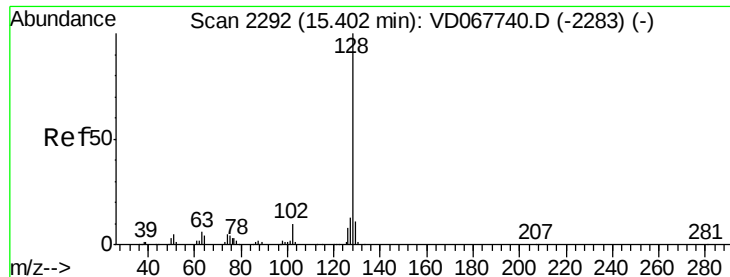
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#94
 Hexachlorobutadiene
 Concen: 148.632 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD067742.D
 Acq: 23 Nov 2020 13:11

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	328060		
223	61.2	31.5	94.5	
227	63.6	32.9	98.7	





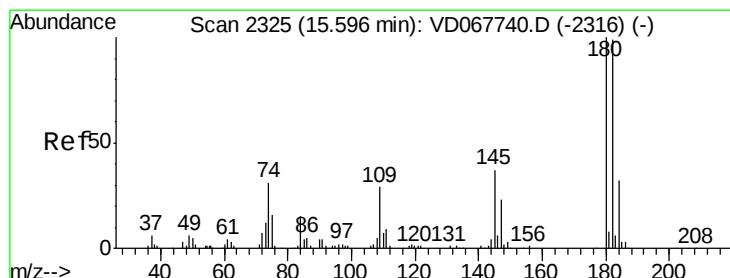
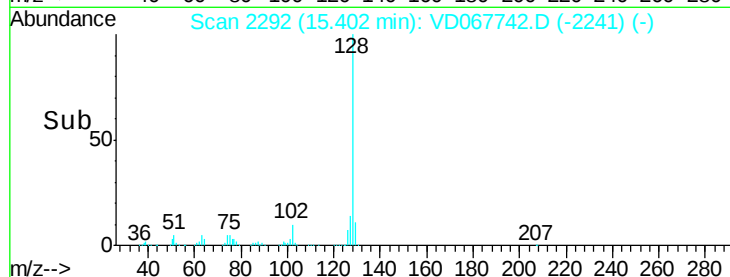
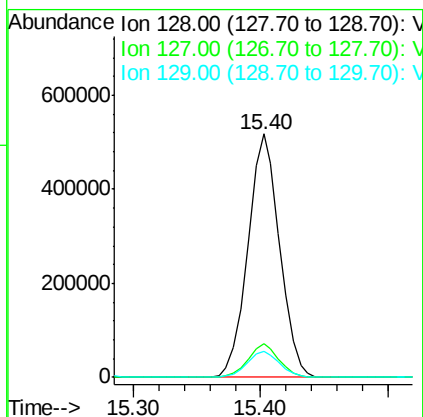
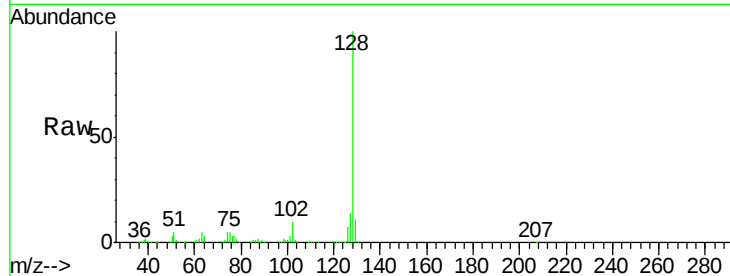
#95
Naphthalene
Concen: 161.380 ug/l
RT: 15.40 min Scan# 2292
Delta R.T. -0.00 min
Lab File: VD067742.D
Acq: 23 Nov 2020 13:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.7	16.1
129	10.8	8.6	12.8

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 153.406 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. -0.00 min
Lab File: VD067742.D
Acq: 23 Nov 2020 13:11

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.6	48.0	144.0
145	33.8	16.8	50.4

