

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120120\
 Data File : VD067832.D
 Acq On : 01 Dec 2020 12:49
 Operator : VA/SY
 Sample : VSTDICC150
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC150

Quant Time: Dec 02 03:49:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120120S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 02 03:45:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	232642	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	334636	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	298582	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	149288	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	347861	139.28	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	278.56%#
35) Dibromofluoromethane	7.92	113	319911	142.87	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	285.74%#
50) Toluene-d8	10.34	98	1148691	142.51	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	285.02%#
62) 4-Bromofluorobenzene	12.64	95	398751	143.09	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	286.18%#

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	298872	147.619	ug/l	98
3) Chloromethane	2.21	50	172255	147.423	ug/l	98
4) Vinyl Chloride	2.35	62	215297	146.305	ug/l	100
5) Bromomethane	2.75	94	188350	143.376	ug/l	90
6) Chloroethane	2.91	64	144360	150.671	ug/l	97
7) Trichlorofluoromethane	3.27	101	639167	141.942	ug/l	95
8) Diethyl Ether	3.70	74	127513	145.286	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.10	101	294656	143.499	ug/l	99
10) Methyl Iodide	4.30	142	371172	170.539	ug/l	97
11) Tert butyl alcohol	5.22	59	83094	429.838	ug/l	100
12) 1,1-Dichloroethene	4.07	96	280114	145.304	ug/l	99
13) Acrolein	3.93	56	78079	901.412	ug/l	96
14) Allyl chloride	4.71	41	281474	157.831	ug/l	98
15) Acrylonitrile	5.43	53	223990	736.022	ug/l	99
16) Acetone	4.16	43	220744	723.024	ug/l	95
17) Carbon Disulfide	4.41	76	782198	145.327	ug/l	98
18) Methyl Acetate	4.71	43	88077	140.301	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	639014	154.801	ug/l	97
20) Methylene Chloride	4.96	84	285296	121.708	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	313797	143.047	ug/l	98
22) Diisopropyl ether	6.37	45	528444	147.327	ug/l	97
23) Vinyl Acetate	6.30	43	1601013	802.335	ug/l	97
24) 1,1-Dichloroethane	6.27	63	450632	143.319	ug/l	98
25) 2-Butanone	7.21	43	234849	723.496	ug/l	97
26) 2,2-Dichloropropane	7.21	77	531659	141.797	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	349684	145.739	ug/l	100
28) Bromochloromethane	7.55	49	143702	143.948	ug/l	96
29) Tetrahydrofuran	7.56	42	135923	799.927	ug/l	98
30) Chloroform	7.71	83	586720	139.631	ug/l	95
31) Cyclohexane	7.99	56	351247	133.489	ug/l	99
32) 1,1,1-Trichloroethane	7.91	97	634821	143.119	ug/l	99
36) 1,1-Dichloropropene	8.11	75	422198	145.740	ug/l	98
37) Ethyl Acetate	7.29	43	109323	161.613	ug/l	97
38) Carbon Tetrachloride	8.10	117	620432	141.550	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	510653	148.749	ug/l	95
40) Benzene	8.36	78	1110567	140.103	ug/l	99
41) Methacrylonitrile	7.56	41	158666	417.968	ug/l #	26
42) 1,2-Dichloroethane	8.43	62	402306	142.402	ug/l	99
43) Isopropyl Acetate	8.46	43	232739	151.499	ug/l	97
44) Trichloroethene	9.11	130	382861	140.481	ug/l	95
45) 1,2-Dichloropropane	9.39	63	227293	139.707	ug/l	98
46) Dibromomethane	9.48	93	161523	142.794	ug/l	97
47) Bromodichloromethane	9.66	83	457369	141.829	ug/l	99
48) Methyl methacrylate	9.46	41	115043	147.476	ug/l	97
49) 1,4-Dioxane	9.46	88	37272	2883.651	ug/l #	92
51) 4-Methyl-2-Pentanone	10.23	43	524641	721.567	ug/l	99
52) Toluene	10.41	92	780791	140.885	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	406874	146.181	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	445298	147.081	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	208182	134.483	ug/l	92
56) Ethyl methacrylate	10.67	69	234283	148.750	ug/l	98
57) 1,3-Dichloropropane	10.95	76	335635	136.875	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	565742	789.382	ug/l	100
59) 2-Hexanone	10.98	43	375412	732.431	ug/l	99
60) Dibromochloromethane	11.14	129	333944	143.108	ug/l	97
61) 1,2-Dibromoethane	11.25	107	208511	136.971	ug/l	99
64) Tetrachloroethene	10.88	164	339083	139.226	ug/l	96
65) Chlorobenzene	11.67	112	862975	140.073	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	356576	141.903	ug/l	95
67) Ethyl Benzene	11.75	91	1532781	146.048	ug/l	100
68) m/p-Xylenes	11.86	106	1193098	288.306	ug/l	100
69) o-Xylene	12.18	106	552141	150.289	ug/l	99
70) Styrene	12.20	104	934385	146.264	ug/l	100
71) Bromoform	12.36	173	193886	145.765	ug/l	96
73) Isopropylbenzene	12.48	105	1550233	150.999	ug/l	98
74) N-amyl acetate	12.29	43	199156	156.826	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	194856	143.760	ug/l	100
76) 1,2,3-Trichloropropane	12.78	75	286386	257.955	ug/l #	1
77) Bromobenzene	12.76	156	371941	145.726	ug/l	97
78) n-propylbenzene	12.83	91	1684092	148.002	ug/l	100
79) 2-Chlorotoluene	12.91	91	979523	146.326	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	1319428	148.438	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	67846	149.282	ug/l	95
82) 4-Chlorotoluene	13.01	91	1031519	144.455	ug/l	99
83) tert-Butylbenzene	13.23	119	1136228	150.215	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	1305442	147.692	ug/l	99
85) sec-Butylbenzene	13.40	105	1505196	149.094	ug/l	99
86) p-Isopropyltoluene	13.52	119	1448805	146.426	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	692941	140.743	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	691369	140.363	ug/l	98
89) n-Butylbenzene	13.84	91	1216055	147.935	ug/l	98
90) Hexachloroethane	14.11	117	273471	149.705	ug/l	97
91) 1,2-Dichlorobenzene	13.89	146	604094	141.470	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	40452	143.002	ug/l	96

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QLast Update : Wed Dec 02 03:45:50 2020
Response via : Initial Calibration

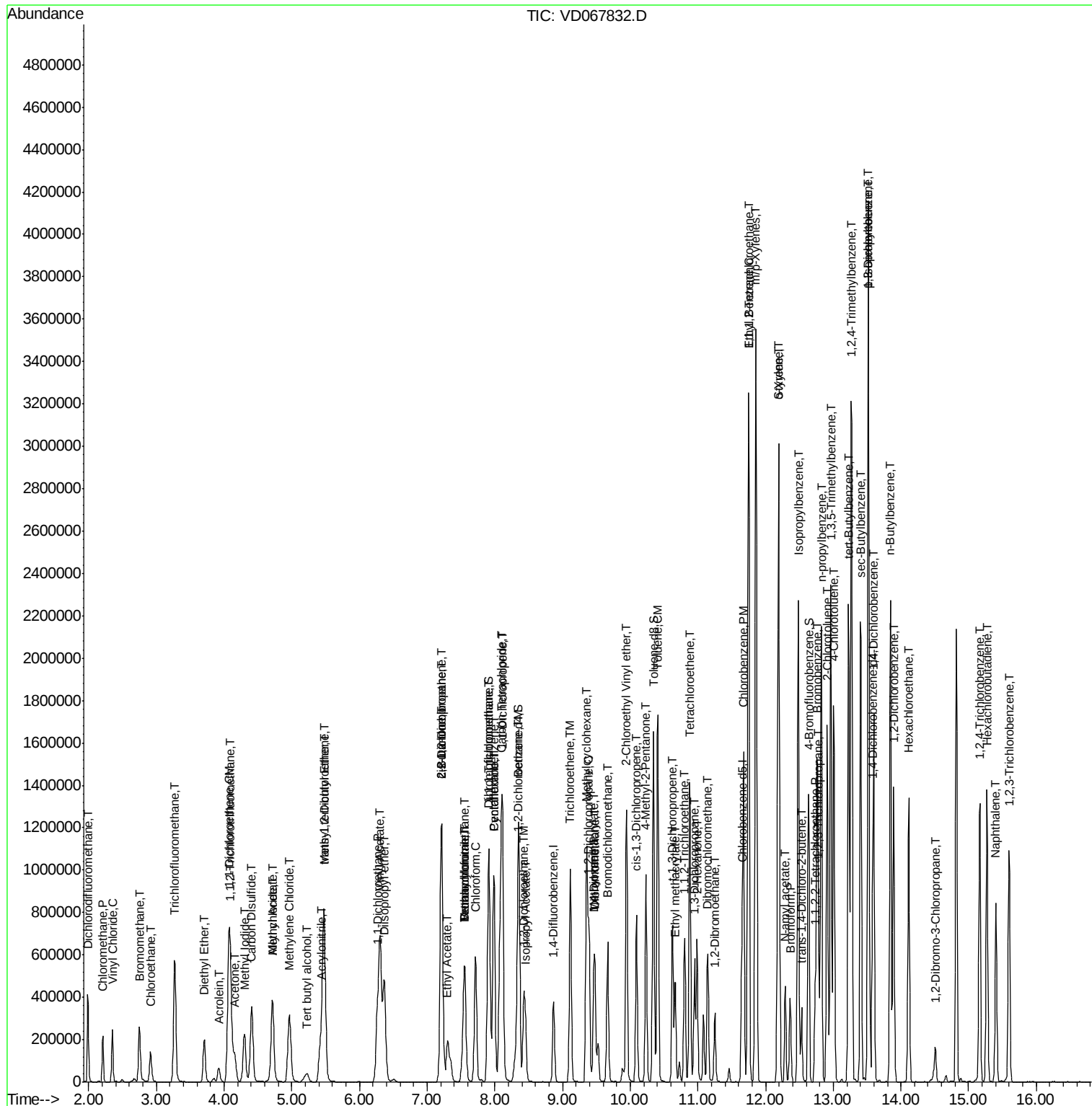
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	452189	151.389	ug/l	99
94) Hexachlorobutadiene	15.27	225	290438	149.015	ug/l	98
95) Naphthalene	15.40	128	771781	158.790	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	388113	150.462	ug/l	99

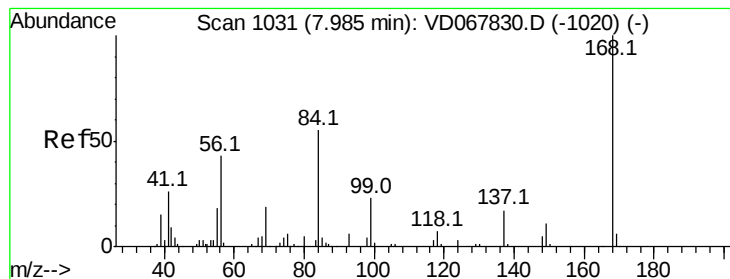
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Dec 02 03:45:50 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067832.D

Acq: 01 Dec 2020 12:49

Instrument :

MSVOA_D

ClientSampleId :

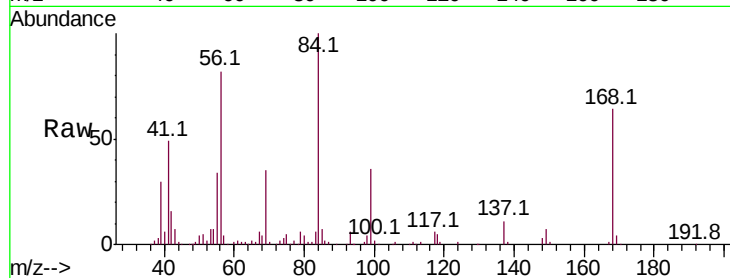
VSTDIC150

Tot Ion:168 Resp: 232642

Ion Ratio Lower Upper

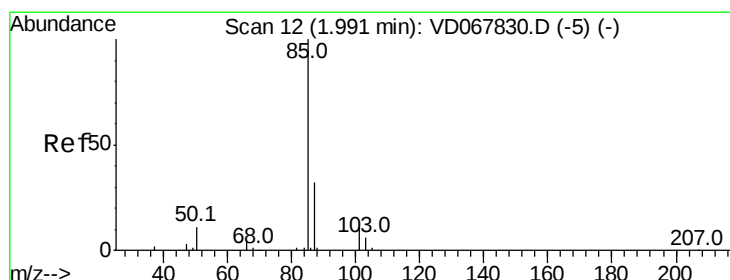
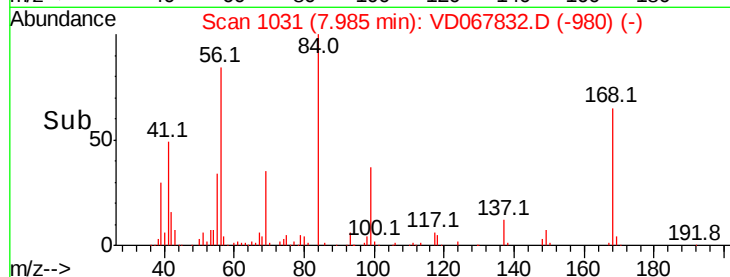
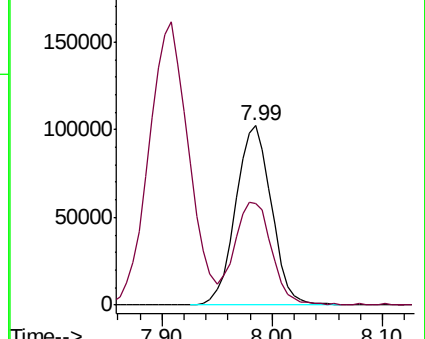
168 100

99 56.0 47.1 70.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 147.619 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.01 min

Lab File: VD067832.D

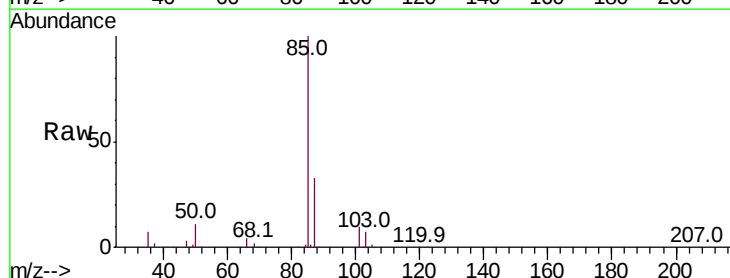
Acq: 01 Dec 2020 12:49

Tgt Ion: 85 Resp: 298872

Ion Ratio Lower Upper

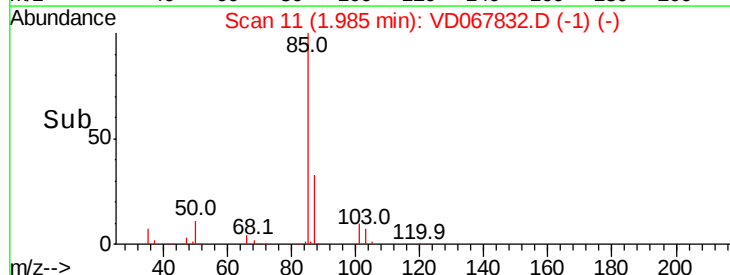
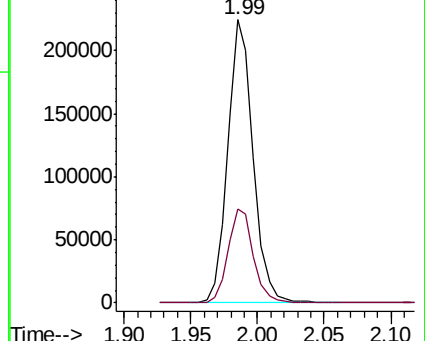
85 100

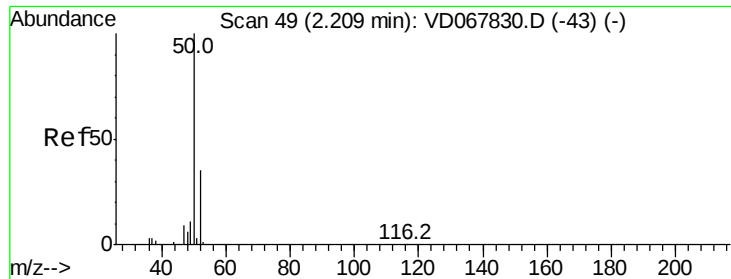
87 33.1 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 147.423 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD067832.D

Acq: 01 Dec 2020 12:49

Instrument :

MSVOA_D

ClientSampleId :

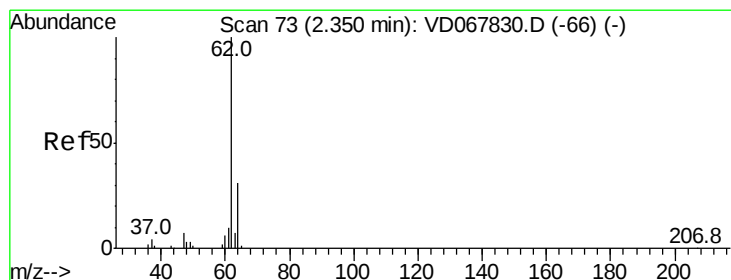
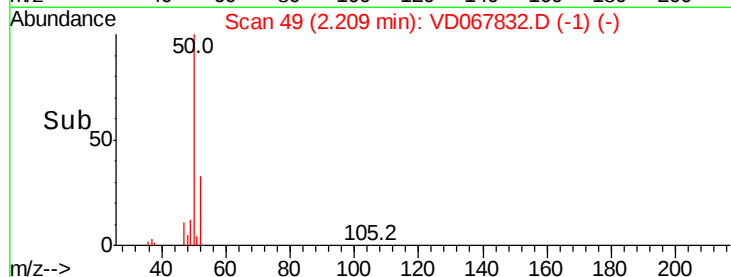
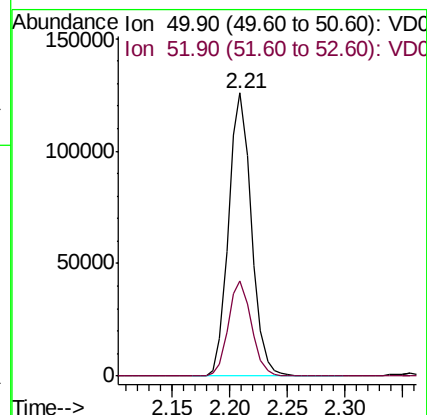
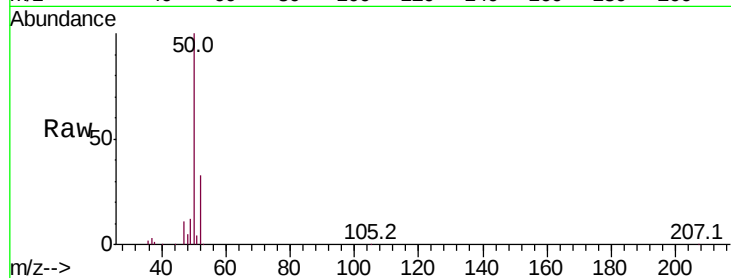
VSTDIC150

Tot Ion: 50 Resp: 172255

Ion Ratio Lower Upper

50 100

52 33.4 27.8 41.6



#4

Vinyl Chloride

Concen: 146.305 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067832.D

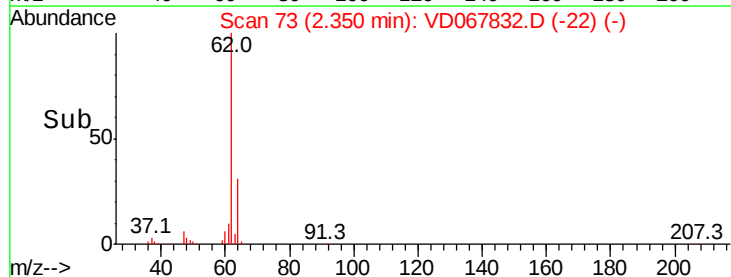
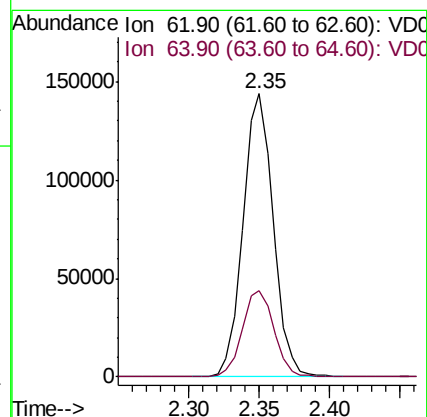
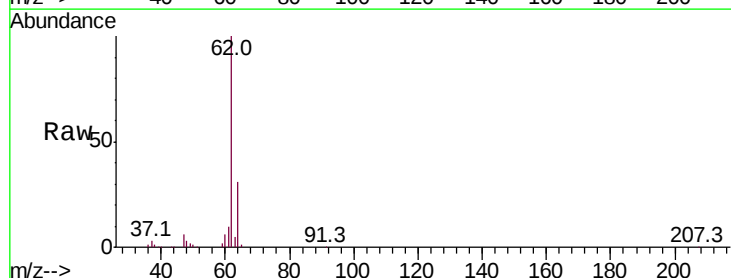
Acq: 01 Dec 2020 12:49

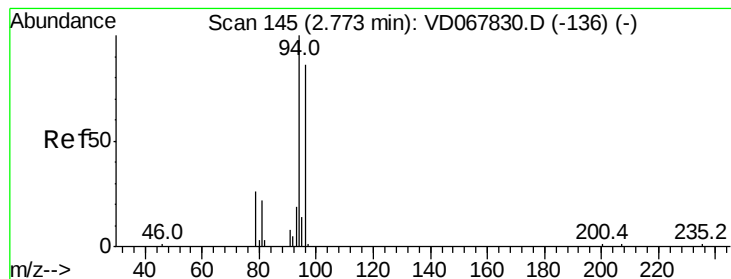
Tgt Ion: 62 Resp: 215297

Ion Ratio Lower Upper

62 100

64 30.6 24.5 36.7





#5

Bromomethane

Concen: 143.376 ug/l

RT: 2.75 min Scan# 141

Delta R.T. -0.02 min

Lab File: VD067832.D

Acq: 01 Dec 2020 12:49

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ClientSampleId :

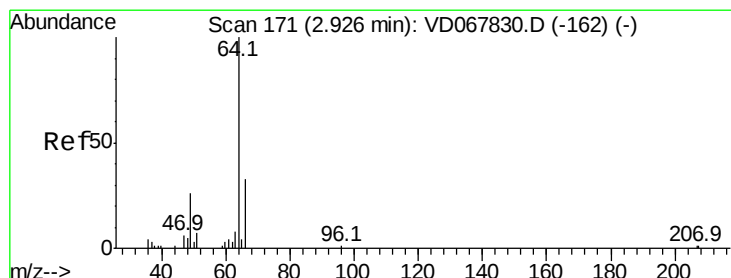
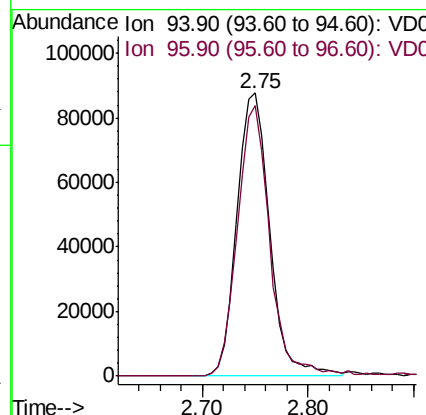
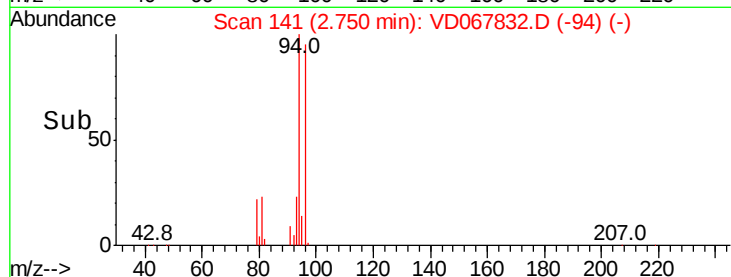
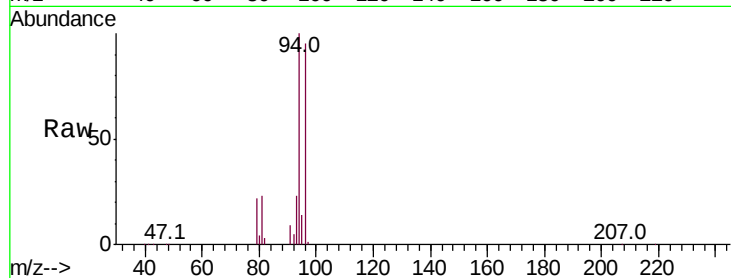
VSTDIC150

Tot Ion: 94 Resp: 188350

Ion Ratio Lower Upper

94 100

96 95.4 68.7 103.1



#6

Chloroethane

Concen: 150.671 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD067832.D

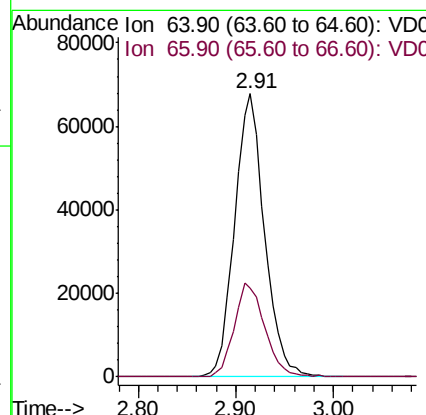
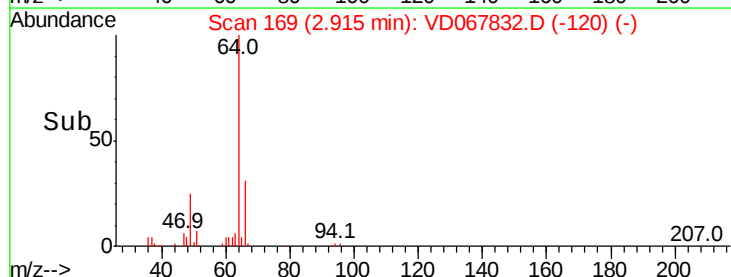
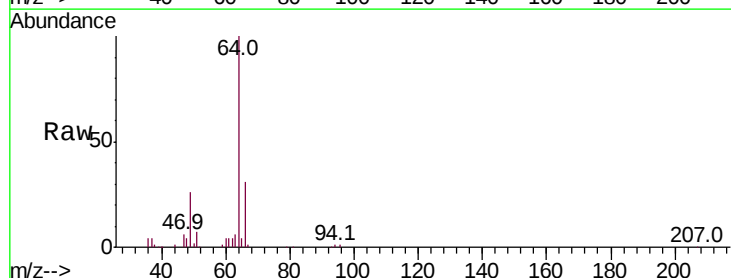
Acq: 01 Dec 2020 12:49

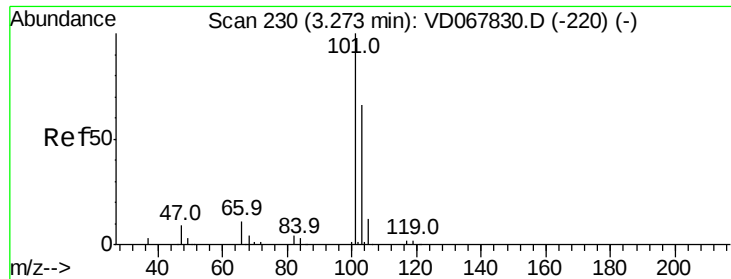
Tgt Ion: 64 Resp: 144360

Ion Ratio Lower Upper

64 100

66 31.2 26.1 39.1



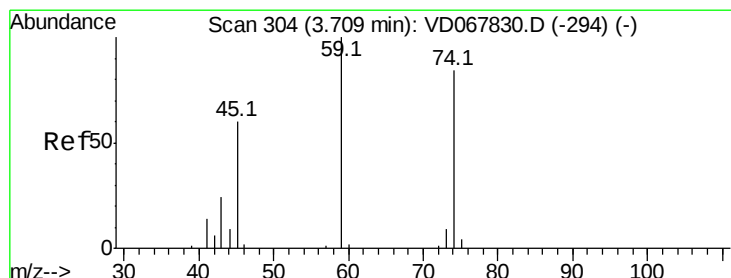
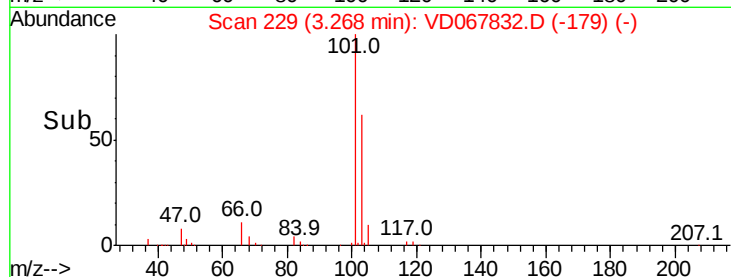
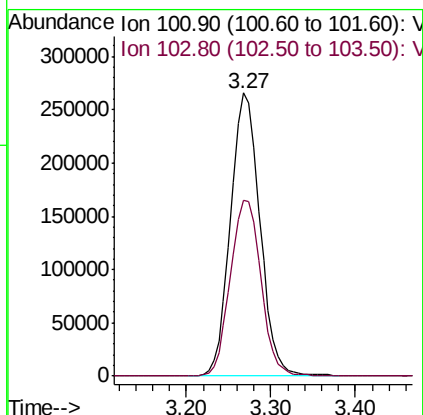
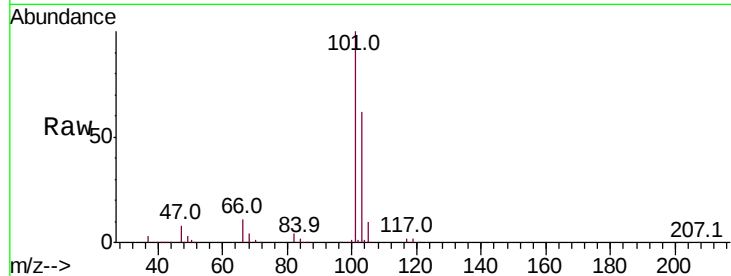


#7

Trichlorofluoromethane
 Concen: 141.942 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD067832.D
 Acq: 01 Dec 2020 12:49

Instrument :
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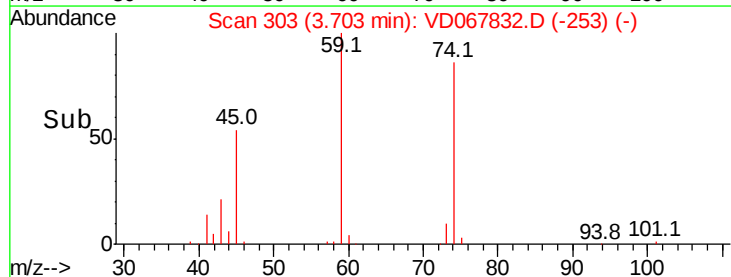
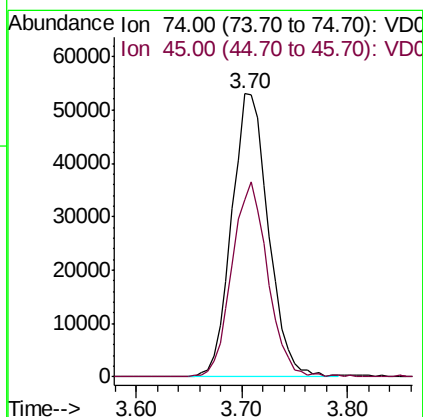
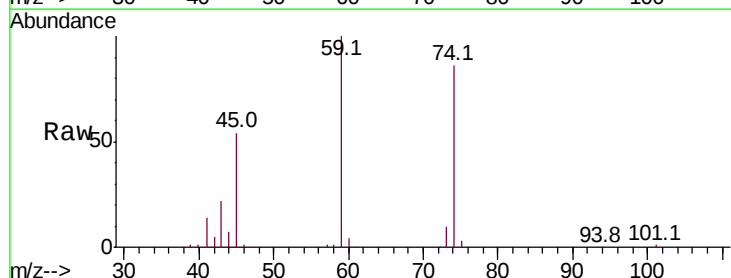
Tot Ion:101 Resp: 639167
 Ion Ratio Lower Upper
 101 100
 103 62.1 53.0 79.6

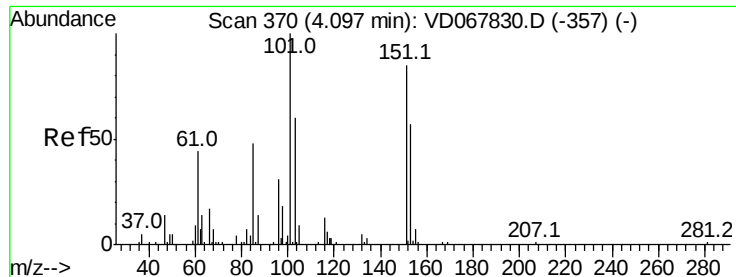


#8

Diethyl Ether
 Concen: 145.286 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD067832.D
 Acq: 01 Dec 2020 12:49

Tgt Ion: 74 Resp: 127513
 Ion Ratio Lower Upper
 74 100
 45 67.0 33.9 101.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 143.499 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD067832.D

Acq: 01 Dec 2020 12:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

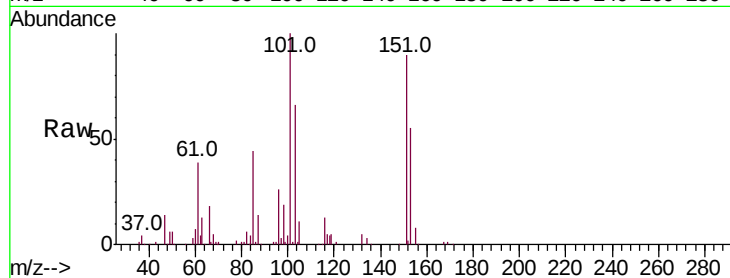
Tot Ion:101 Resp: 294656

Ion Ratio Lower Upper

101 100

85 44.5 36.2 54.4

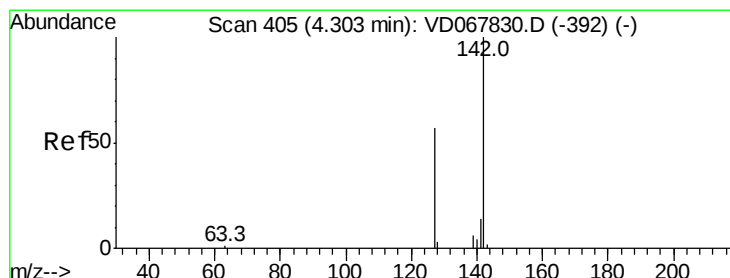
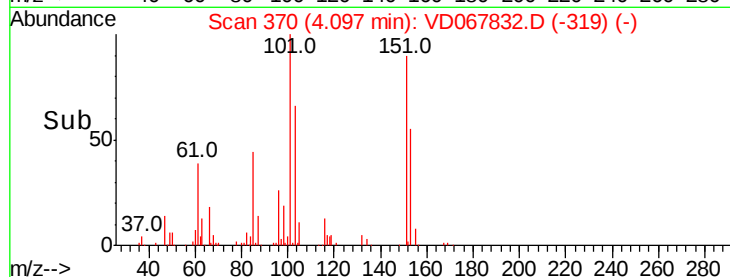
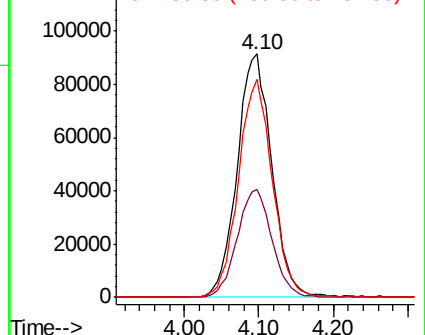
151 87.7 69.4 104.2



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: 170.539 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.00 min

Lab File: VD067832.D

Acq: 01 Dec 2020 12:49

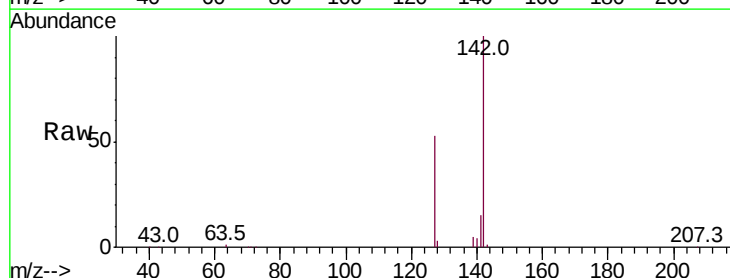
Tgt Ion:142 Resp: 371172

Ion Ratio Lower Upper

142 100

127 52.7 43.9 65.9

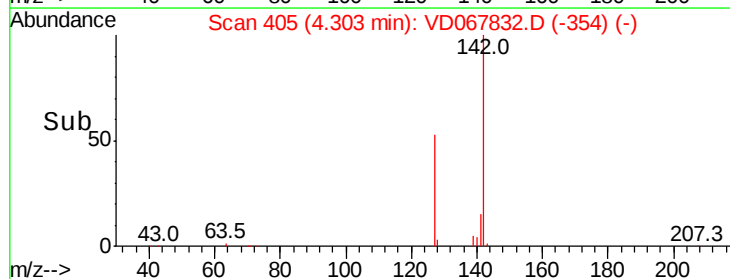
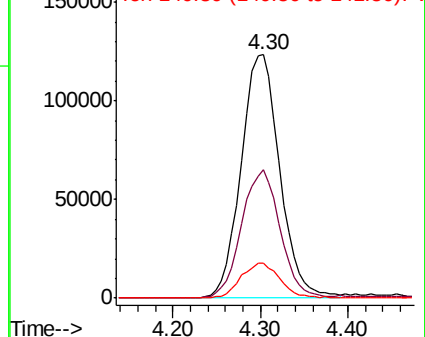
141 14.6 12.2 18.2

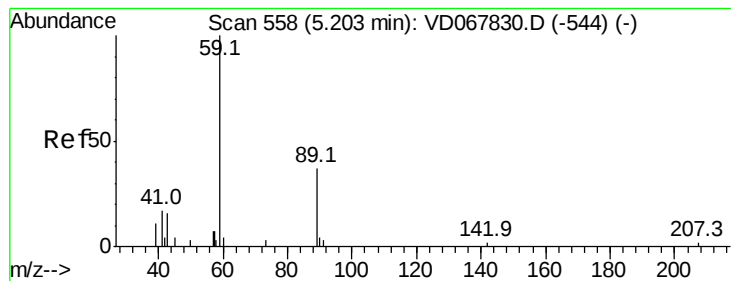


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



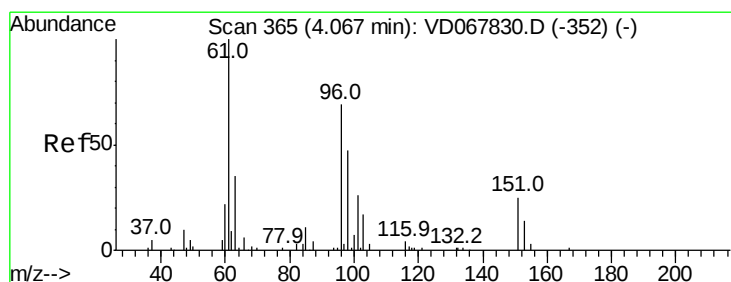
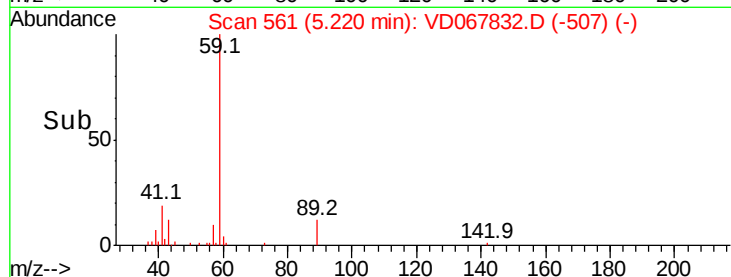
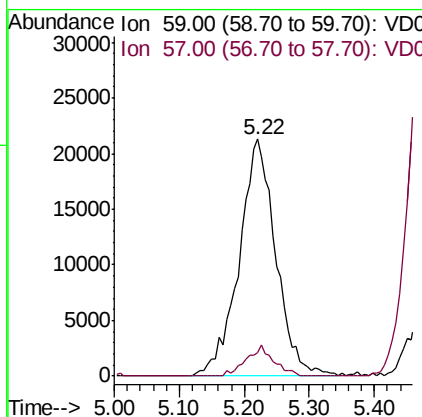
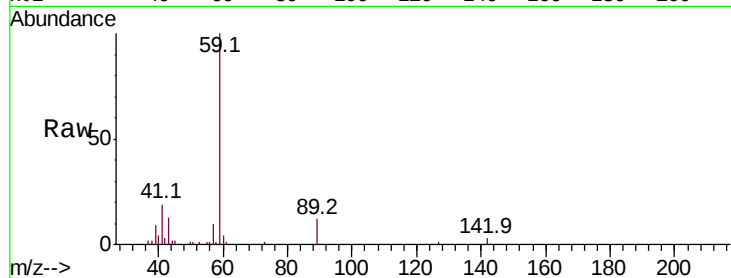


#11

Tert butyl alcohol
 Concen: 429.838 ug/l
 RT: 5.22 min Scan# 561
 Delta R.T. 0.02 min
 Lab File: VD067832.D
 Acq: 01 Dec 2020 12:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

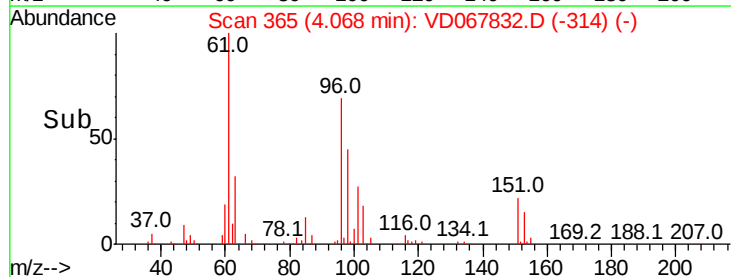
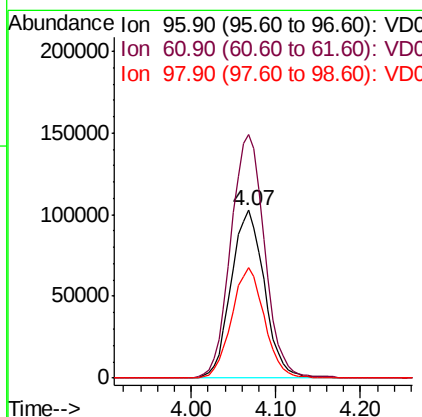
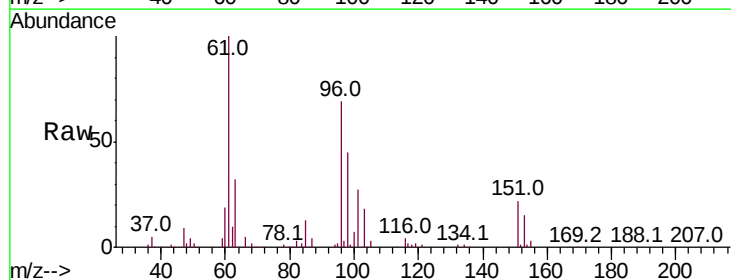
Tot Ion: 59 Resp: 83094
 Ion Ratio Lower Upper
 59 100
 57 9.6 7.7 11.5

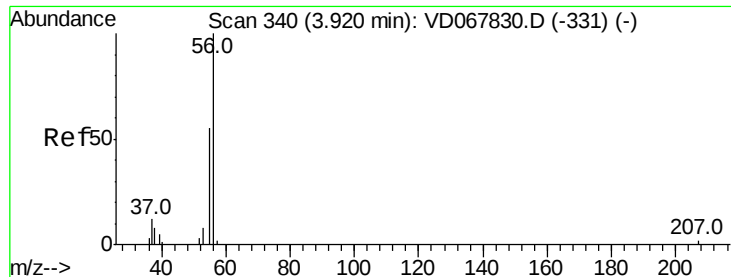


#12

1,1-Dichloroethene
 Concen: 145.304 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. 0.00 min
 Lab File: VD067832.D
 Acq: 01 Dec 2020 12:49

Tgt Ion: 96 Resp: 280114
 Ion Ratio Lower Upper
 96 100
 61 145.0 116.1 174.1
 98 65.5 54.6 82.0





#13

Acrolein

Concen: 901.412 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.01 min

Lab File: VD067832.D

Acq: 01 Dec 2020 12:49

Instrument :

MSVOA_D

ClientSampleId :

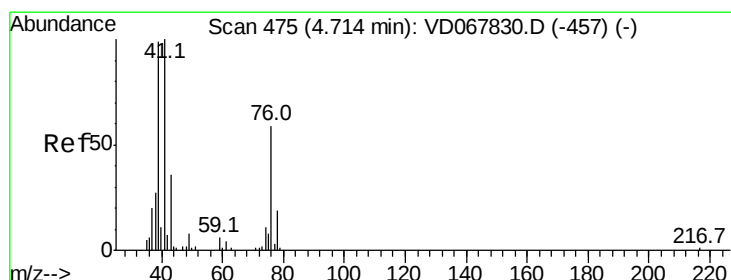
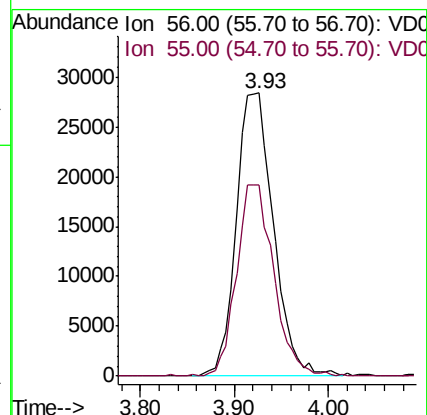
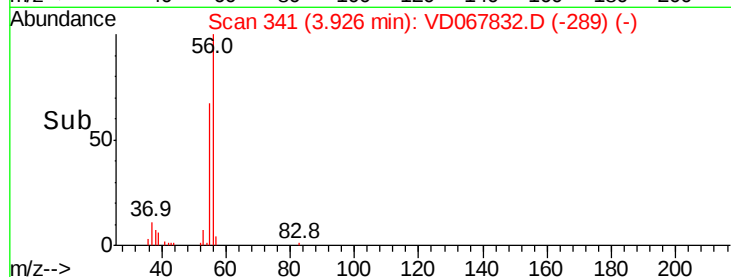
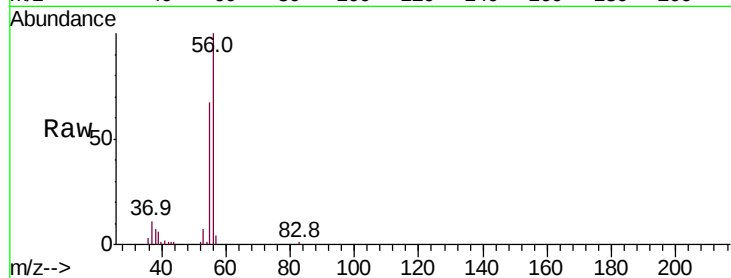
VSTDIC150

Tot Ion: 56 Resp: 78079

Ion Ratio Lower Upper

56 100

55 67.5 56.5 84.7



#14

Allyl chloride

Concen: 157.831 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD067832.D

Acq: 01 Dec 2020 12:49

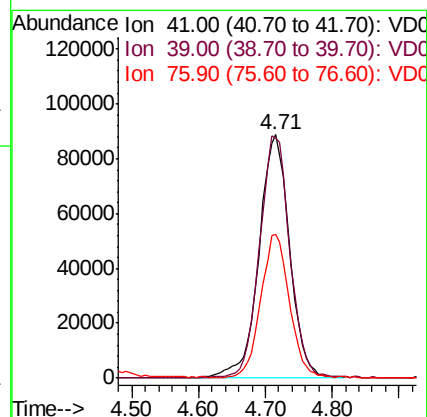
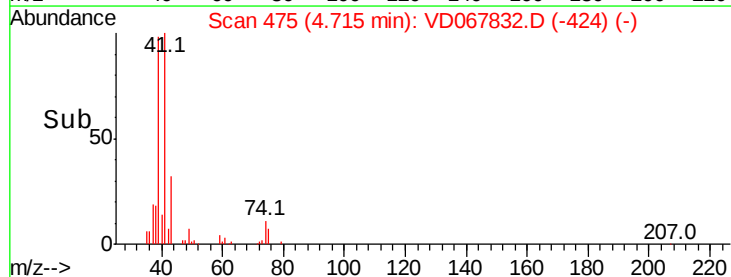
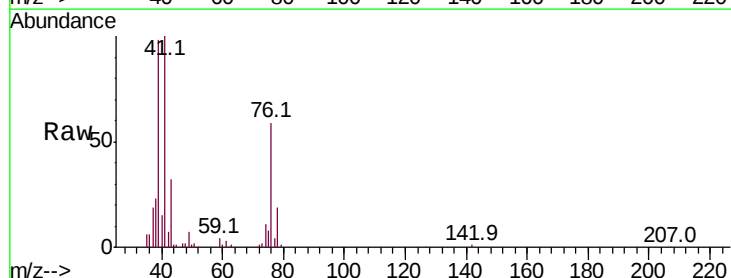
Tgt Ion: 41 Resp: 281474

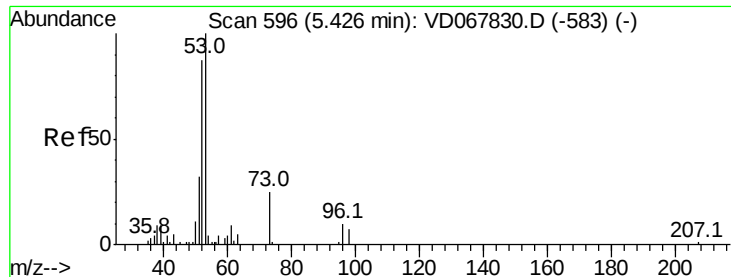
Ion Ratio Lower Upper

41 100

39 98.3 79.0 118.6

76 55.0 46.6 70.0





#15

Acrylonitrile

Concen: 736.022 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.00 min

Lab File: VD067832.D

Acq: 01 Dec 2020 12:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

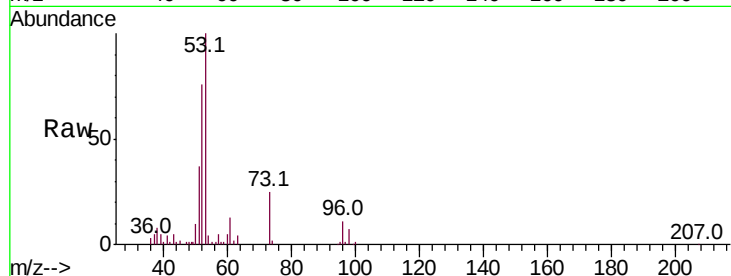
Tot Ion: 53 Resp: 223990

Ion Ratio Lower Upper

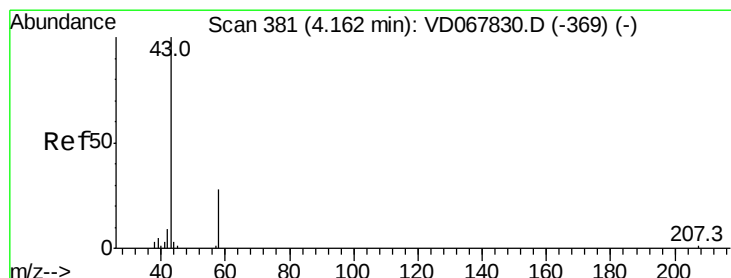
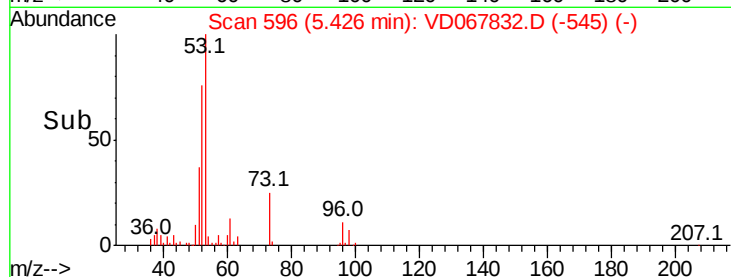
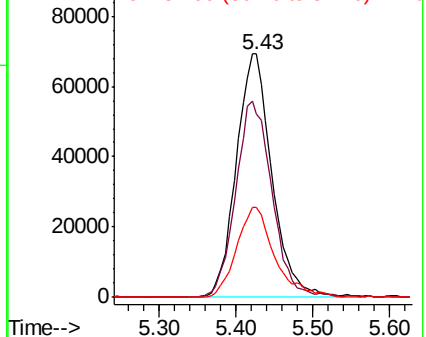
53 100

52 82.0 66.2 99.2

51 39.7 31.1 46.7



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 723.024 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.01 min

Lab File: VD067832.D

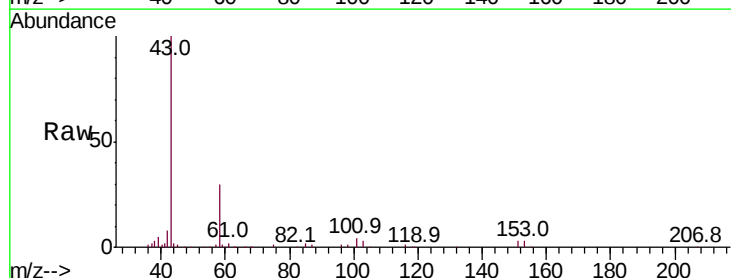
Acq: 01 Dec 2020 12:49

Tgt Ion: 43 Resp: 220744

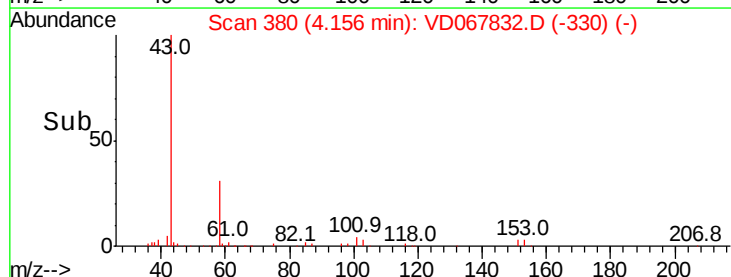
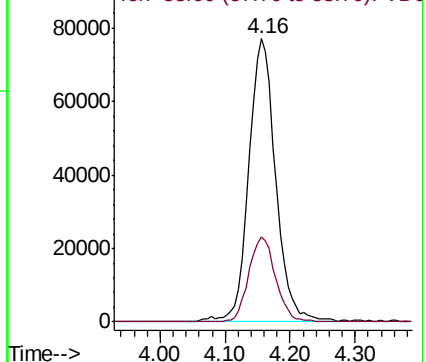
Ion Ratio Lower Upper

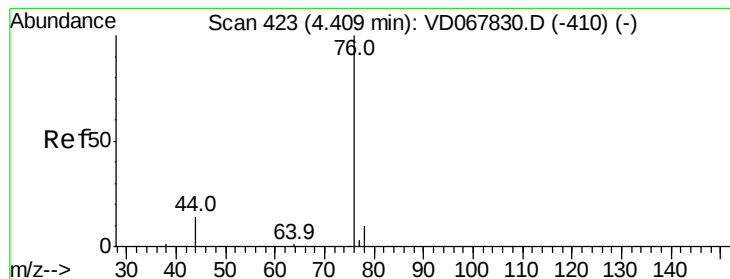
43 100

58 30.2 21.9 32.9



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





#17

Carbon Disulfide

Concen: 145.327 ug/l

RT: 4.41 min Scan# 423

Delta R.T. 0.00 min

Lab File: VD067832.D

Acq: 01 Dec 2020 12:49

Instrument :

MSVOA_D

ClientSampleId :

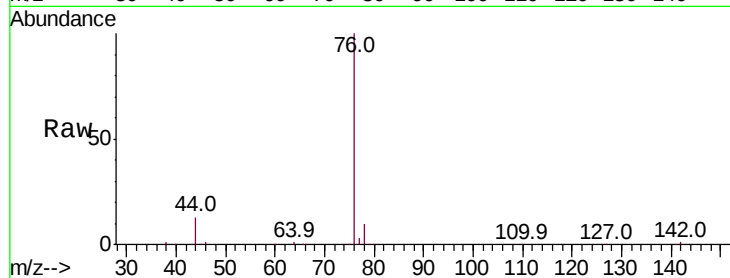
VSTDIC150

Tot Ion: 76 Resp: 782198

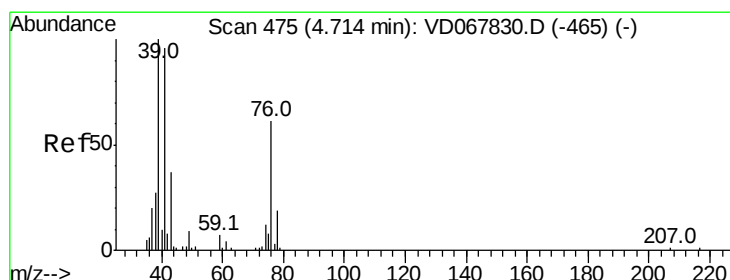
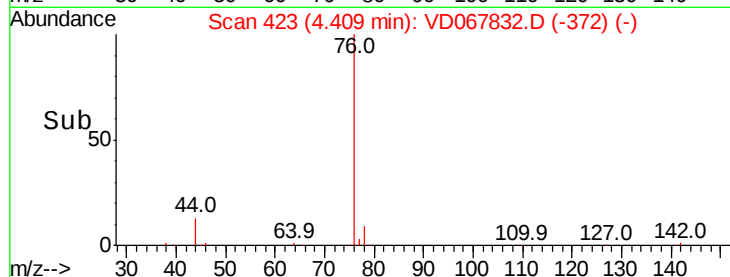
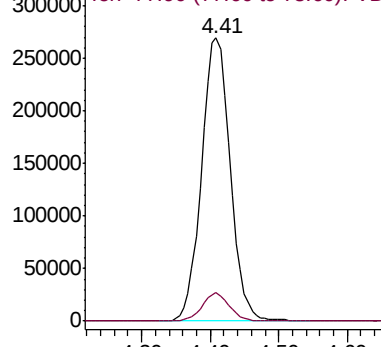
Ion Ratio Lower Upper

76 100

78 10.3 7.8 11.6



Abundance Ion 75.90 (75.60 to 76.60): VDC
Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 140.301 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD067832.D

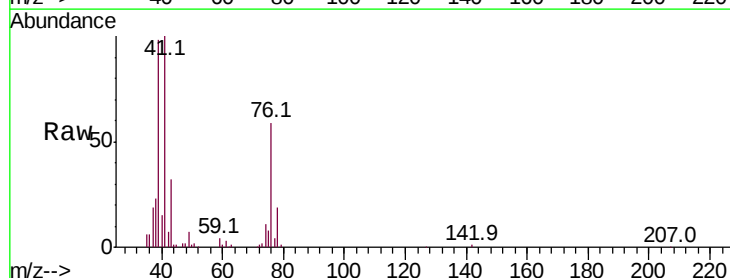
Acq: 01 Dec 2020 12:49

Tgt Ion: 43 Resp: 88077

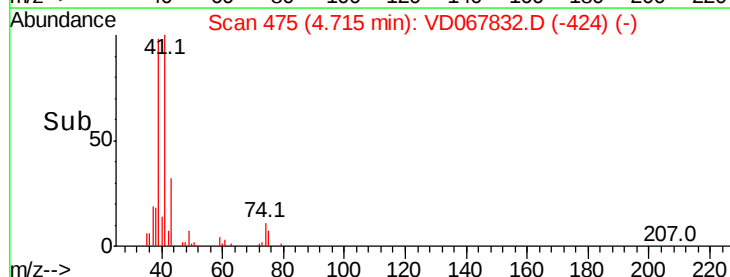
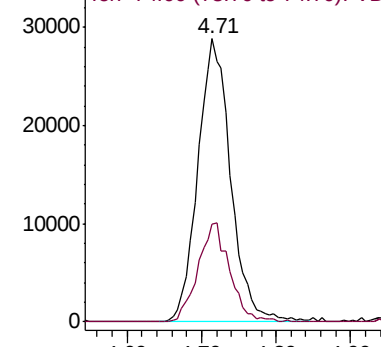
Ion Ratio Lower Upper

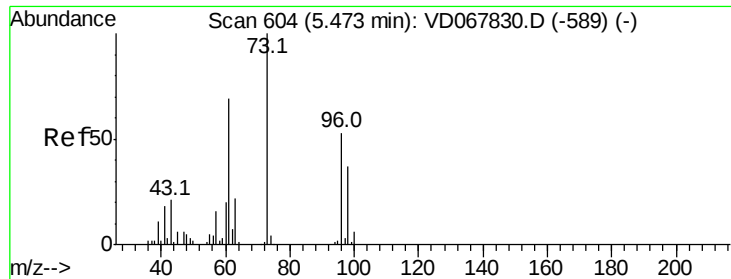
43 100

74 33.6 27.0 40.4



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 74.00 (73.70 to 74.70): VDC

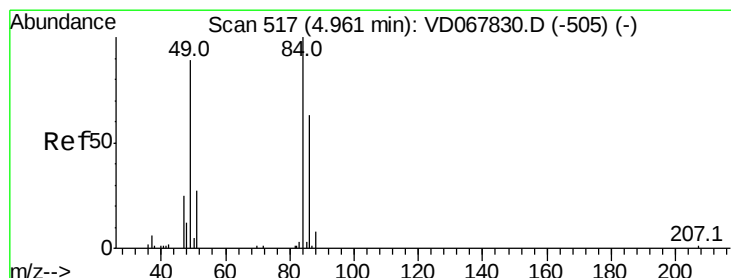
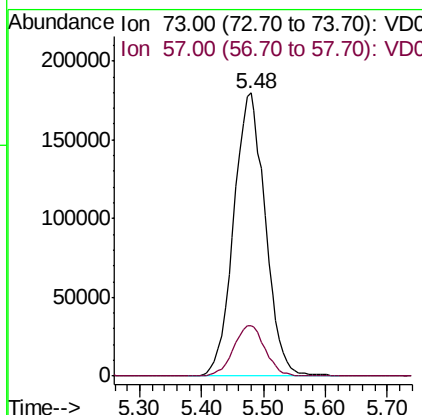
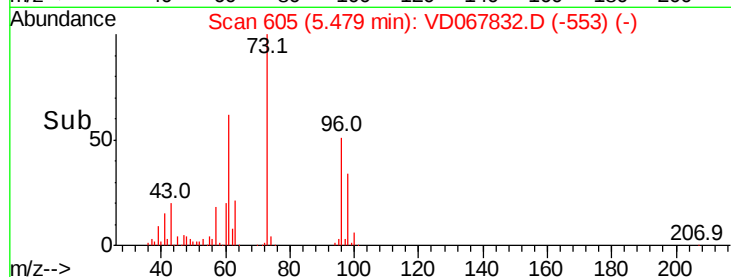
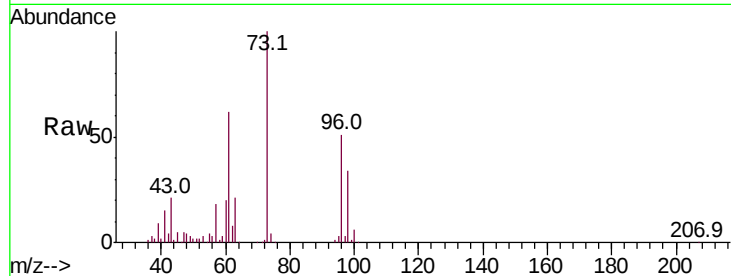




#19
Methvl tert-butvl Ether
Concen: 154.801 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.01 min
Lab File: VD067832.D
Acq: 01 Dec 2020 12:49

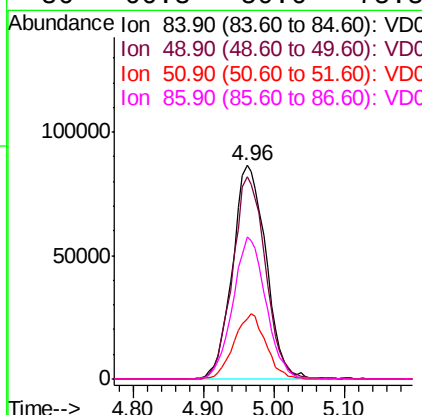
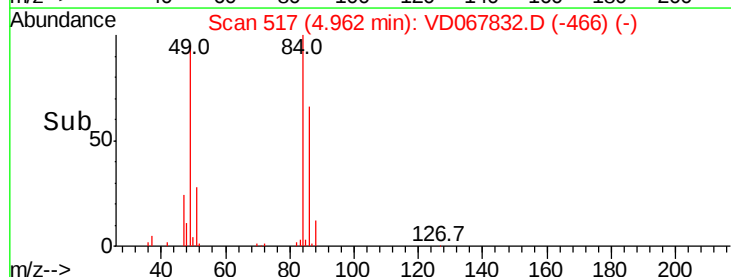
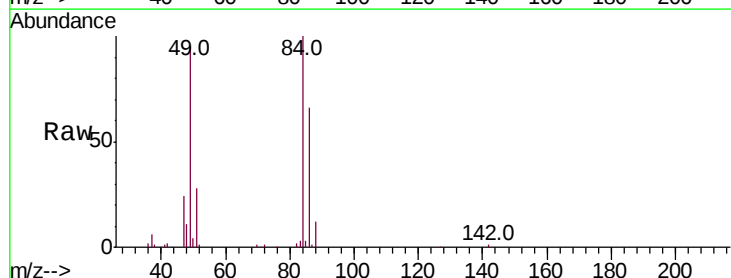
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

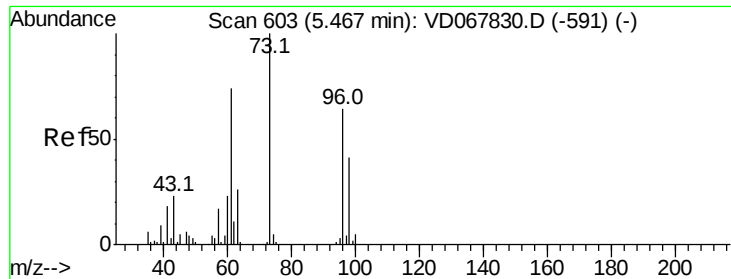
Tot Ion: 73 Resp: 639014
Ion Ratio Lower Upper
73 100
57 18.0 13.2 19.8



#20
Methylene Chloride
Concen: 121.708 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD067832.D
Acq: 01 Dec 2020 12:49

Tgt Ion: 84 Resp: 285296
Ion Ratio Lower Upper
84 100
49 94.6 71.4 107.0
51 28.0 21.8 32.8
86 66.3 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 143.047 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD067832.D

Acq: 01 Dec 2020 12:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

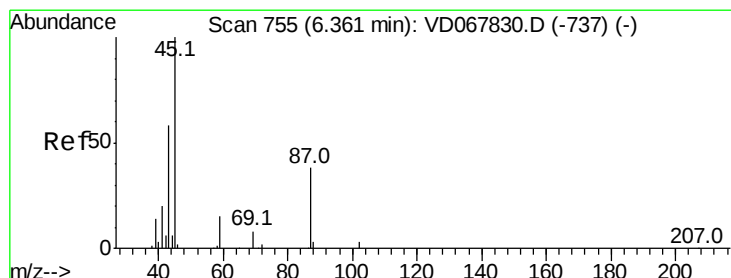
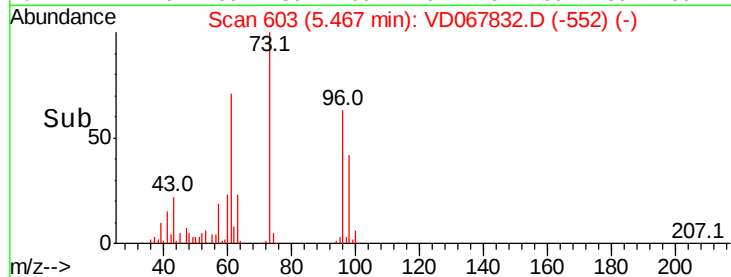
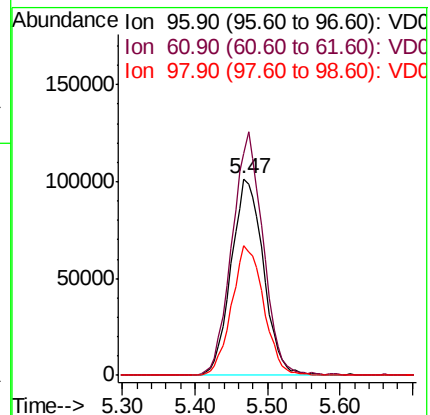
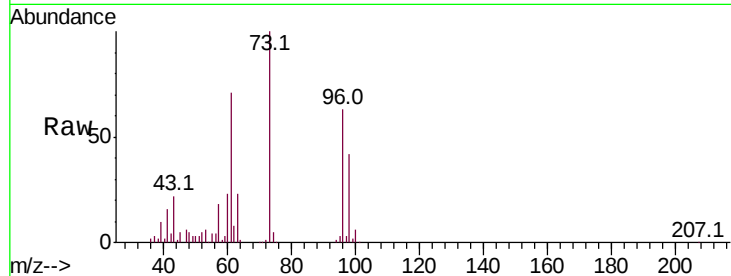
Tot Ion: 96 Resp: 313797

Ion Ratio Lower Upper

96 100

61 112.7 93.1 139.7

98 65.7 52.2 78.2



#22

Diisopropyl ether

Concen: 147.327 ug/l

RT: 6.37 min Scan# 756

Delta R.T. 0.01 min

Lab File: VD067832.D

Acq: 01 Dec 2020 12:49

Tgt Ion: 45 Resp: 528444

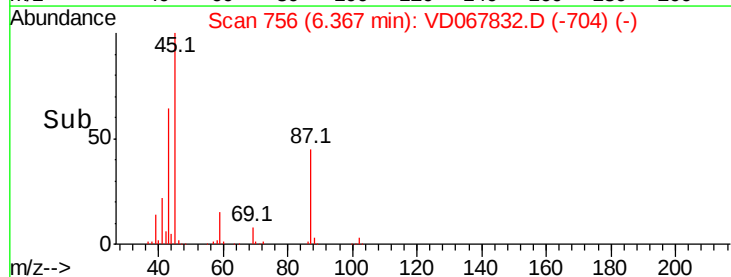
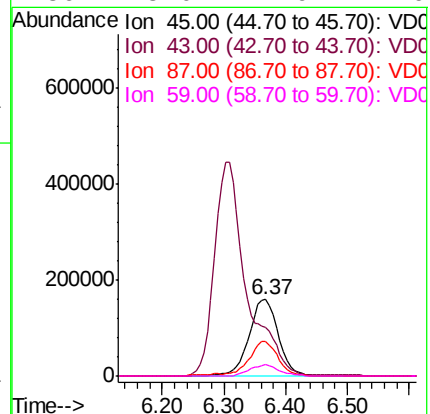
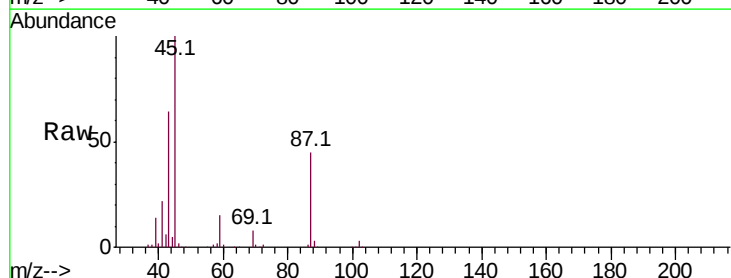
Ion Ratio Lower Upper

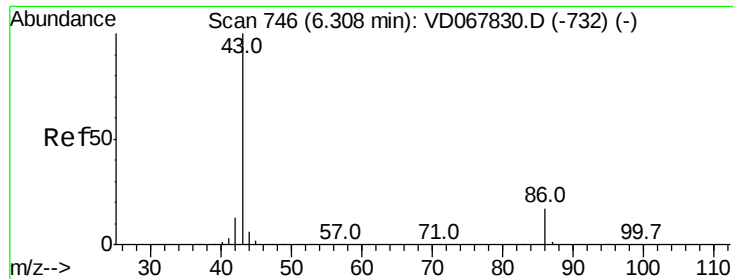
45 100

43 62.8 49.8 74.6

87 44.3 32.1 48.1

59 15.0 11.9 17.9





#23

Vinyl Acetate

Concen: 802.335 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD067832.D

Acq: 01 Dec 2020 12:49

Instrument :

MSVOA_D

ClientSampleId :

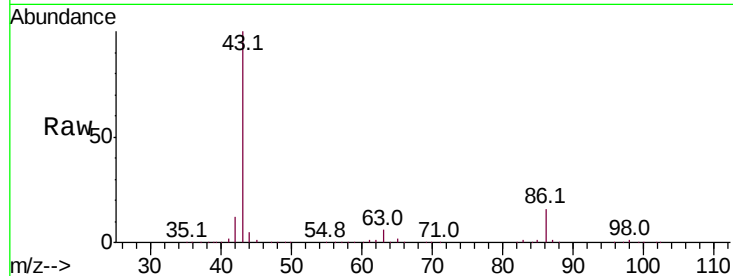
VSTDIC150

Tot Ion: 43 Resp: 1601013

Ion Ratio Lower Upper

43 100

86 15.9 13.8 20.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.30

500000

400000

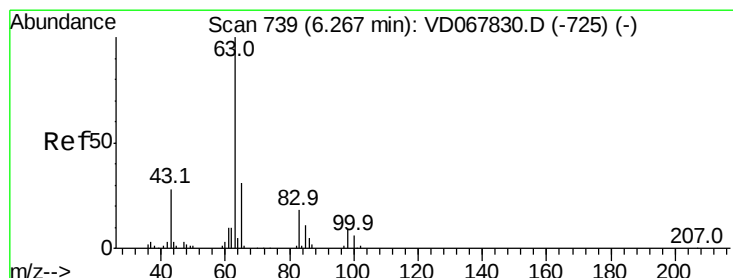
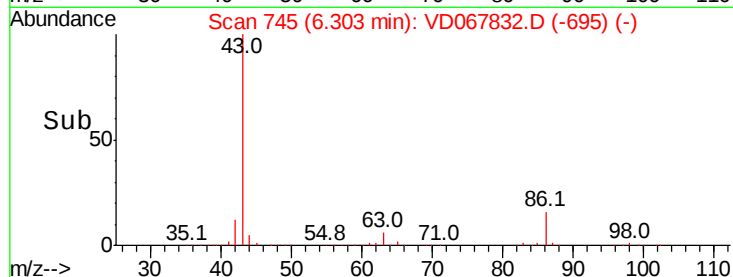
300000

200000

100000

0

Time--> 6.10 6.20 6.30 6.40 6.50



#24

1,1-Dichloroethane

Concen: 143.319 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD067832.D

Acq: 01 Dec 2020 12:49

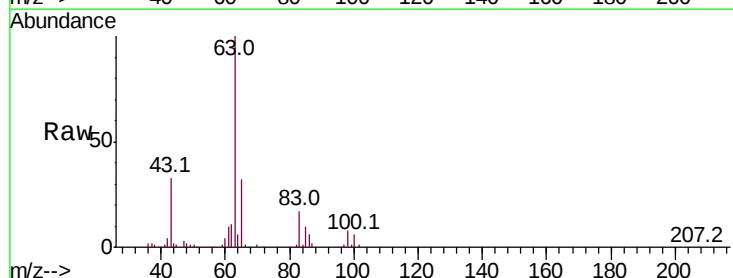
Tgt Ion: 63 Resp: 450632

Ion Ratio Lower Upper

63 100

98 8.0 4.5 13.5

100 5.6 3.0 9.2



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

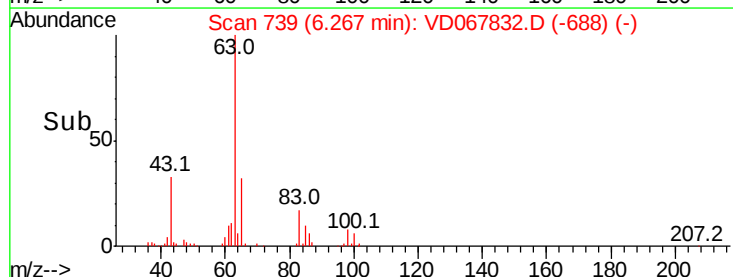
150000

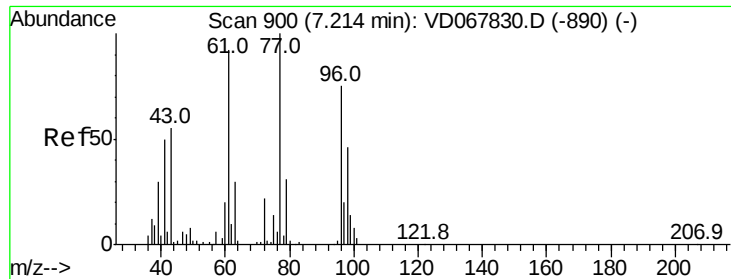
100000

50000

0

Time--> 6.10 6.20 6.30 6.40

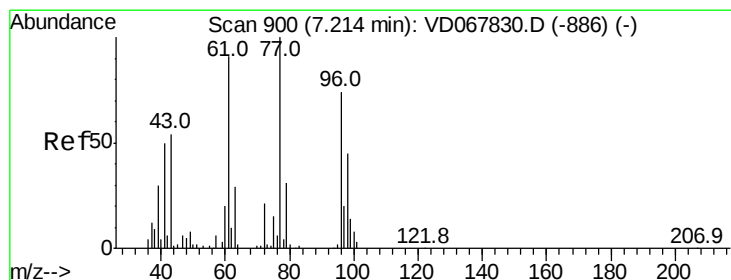
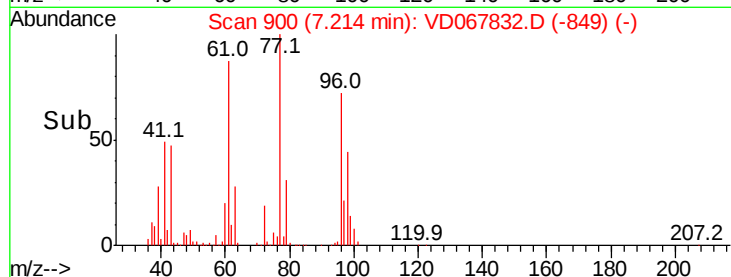
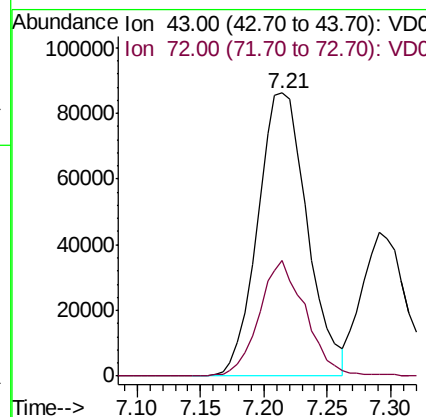
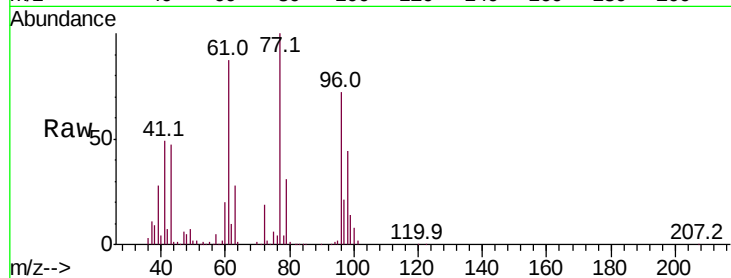




#25
2-Butanone
Concen: 723.496 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD067832.D
Acq: 01 Dec 2020 12:49

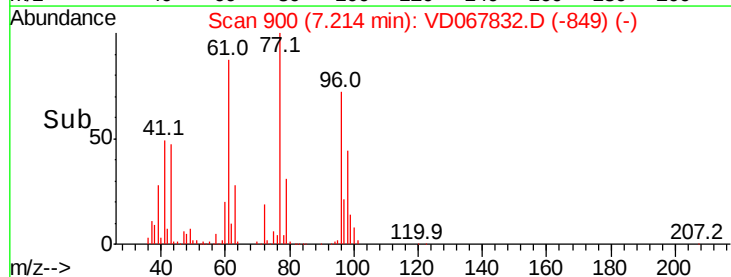
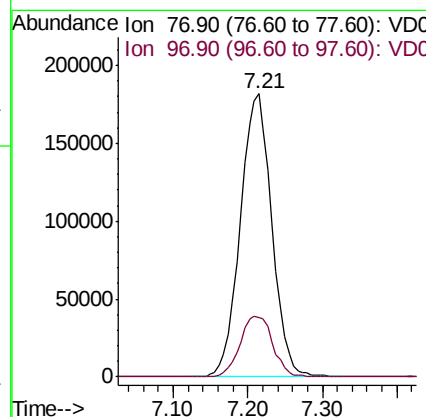
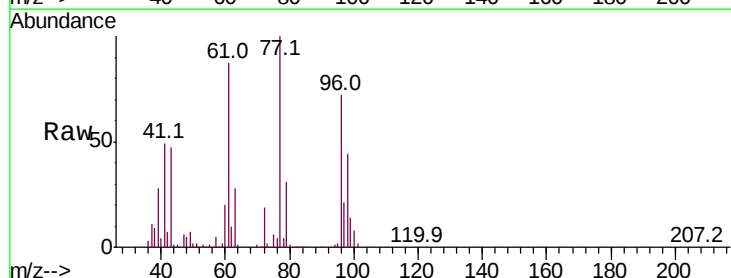
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

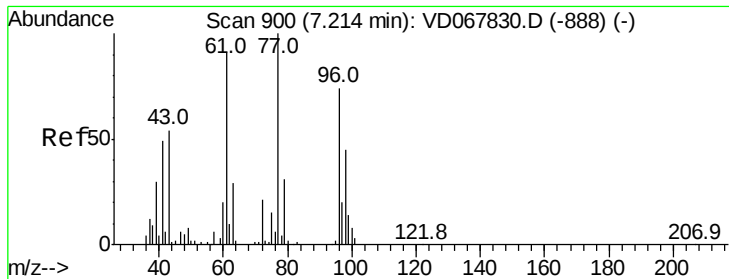
Tot Ion: 43 Resp: 234849
Ion Ratio Lower Upper
43 100
72 40.7 31.3 46.9



#26
2,2-Dichloropropane
Concen: 141.797 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD067832.D
Acq: 01 Dec 2020 12:49

Tgt Ion: 77 Resp: 531659
Ion Ratio Lower Upper
77 100
97 22.4 11.1 33.1



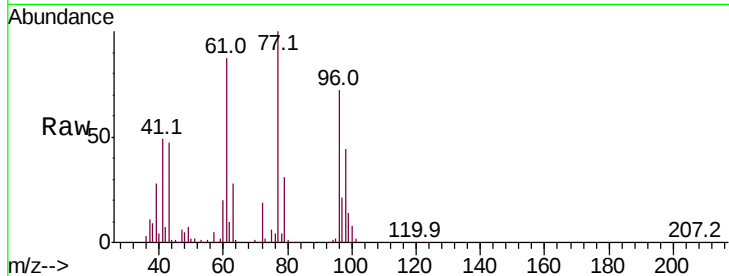


#27

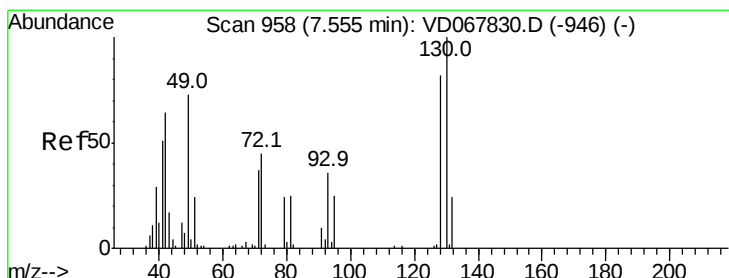
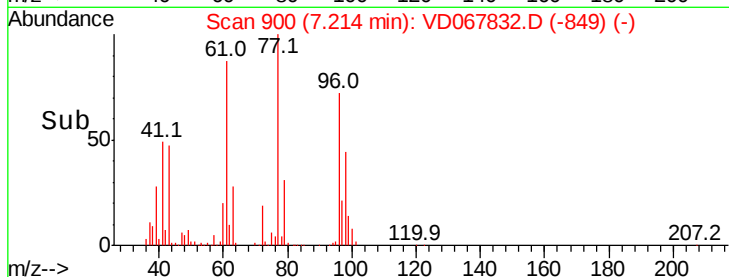
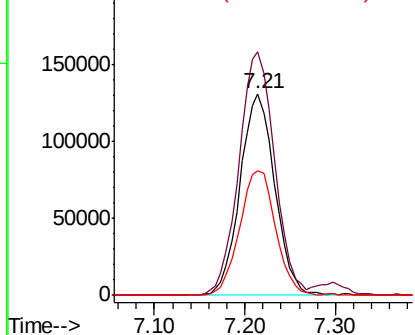
cis-1,2-Dichloroethene
 Concen: 145.739 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD067832.D
 Acq: 01 Dec 2020 12:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion	96	Resp	349684
Ion	Ratio	Lower	Upper
96	100		
61	123.9	0.0	248.4
98	63.8	0.0	127.4



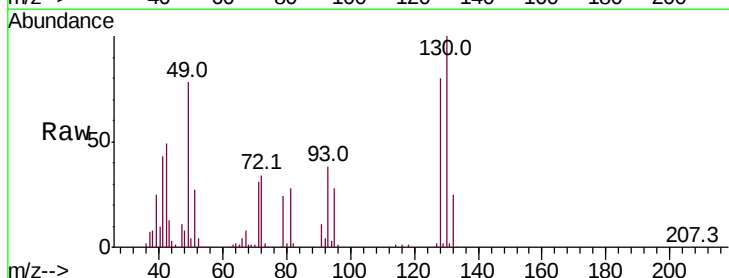
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



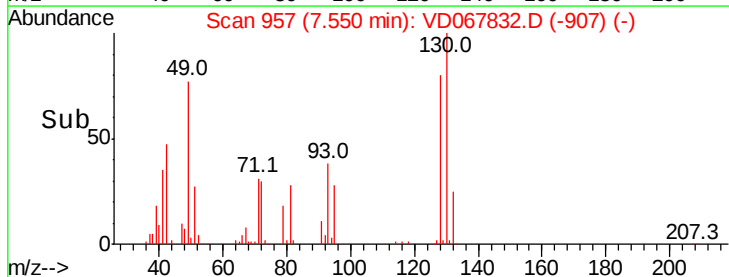
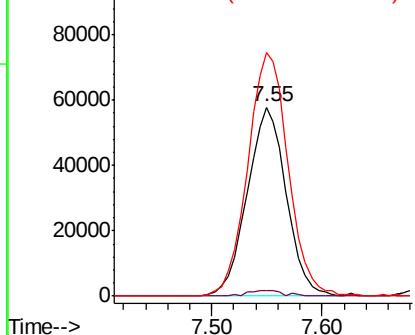
#28

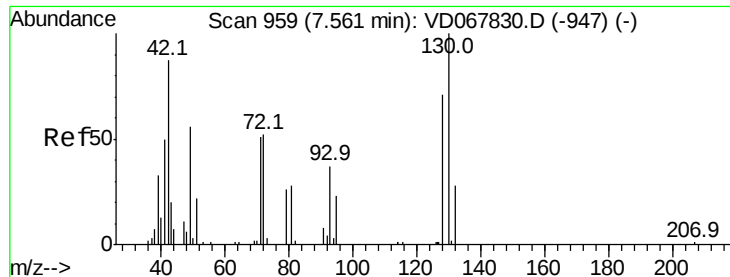
Bromochloromethane
 Concen: 143.948 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. -0.01 min
 Lab File: VD067832.D
 Acq: 01 Dec 2020 12:49

Tgt Ion	49	Resp	143702
Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	3.4
130	133.2	110.2	165.2



Abundance Ion 48.90 (48.60 to 49.60): VDC
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V

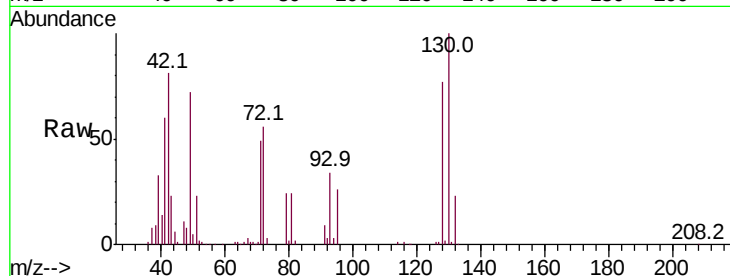




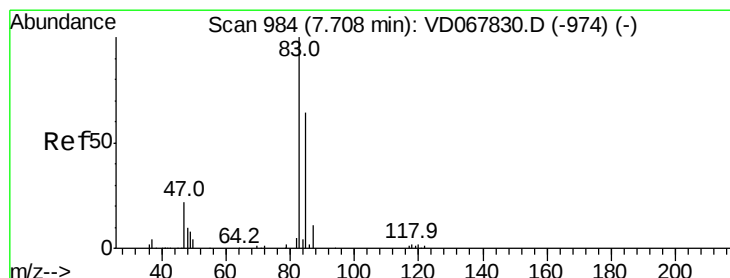
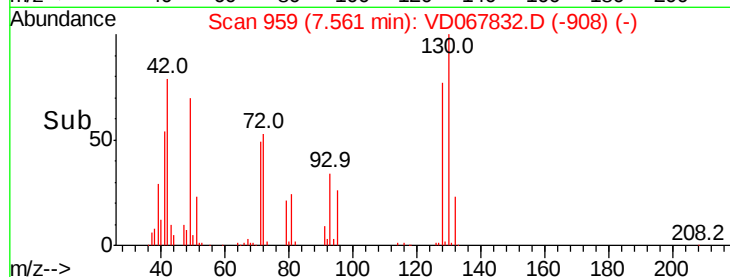
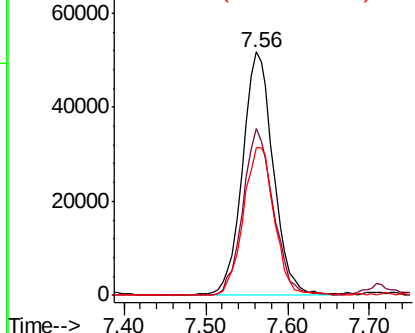
#29
Tetrahydrofuran
Concen: 799.927 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.00 min
Lab File: VD067832.D
Acq: 01 Dec 2020 12:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion: 42 Resp: 135923
Ion Ratio Lower Upper
42 100
72 67.4 51.9 77.9
71 61.0 48.2 72.4

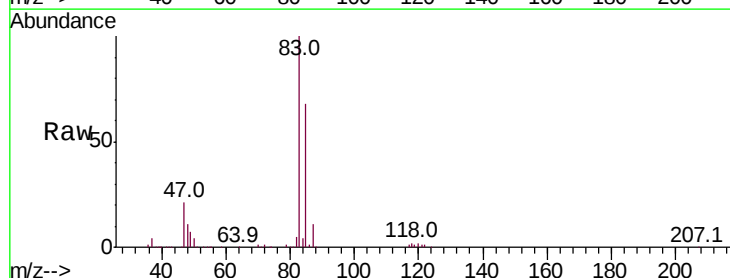


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

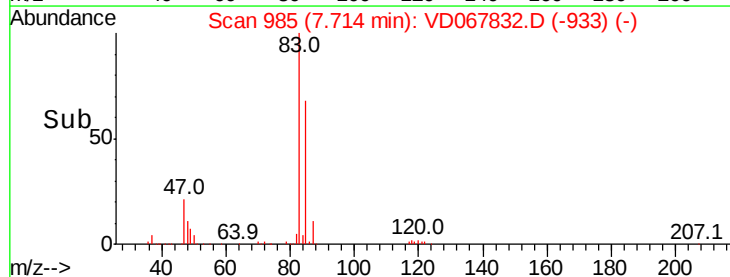
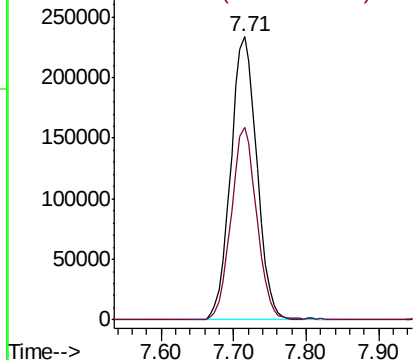


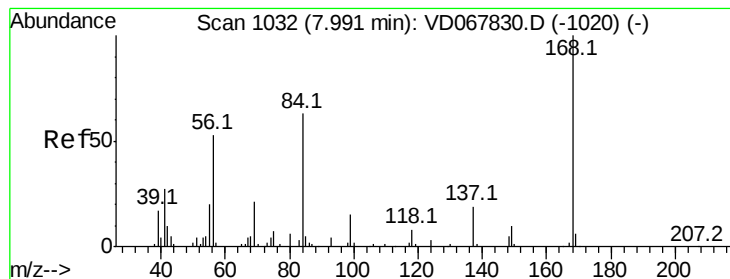
#30
Chloroform
Concen: 139.631 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.01 min
Lab File: VD067832.D
Acq: 01 Dec 2020 12:49

Tgt Ion: 83 Resp: 586720
Ion Ratio Lower Upper
83 100
85 67.9 51.0 76.4



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





#31

Cyclohexane

Concen: 133.489 ug/l

RT: 7.99 min Scan# 1032

Delta R.T. 0.00 min

Lab File: VD067832.D

Acq: 01 Dec 2020 12:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

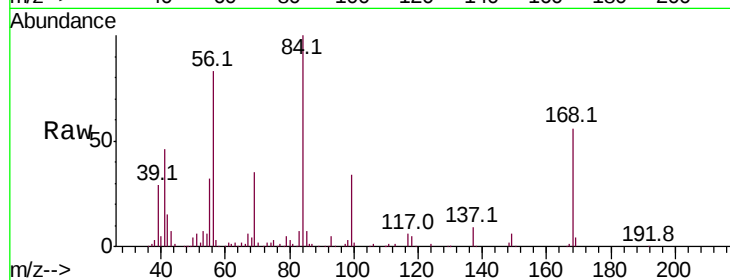
Tot Ion: 56 Resp: 351247

Ion Ratio Lower Upper

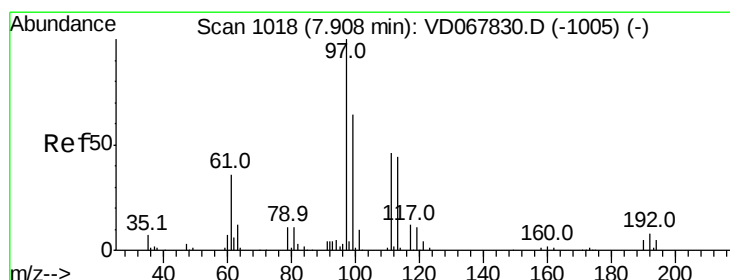
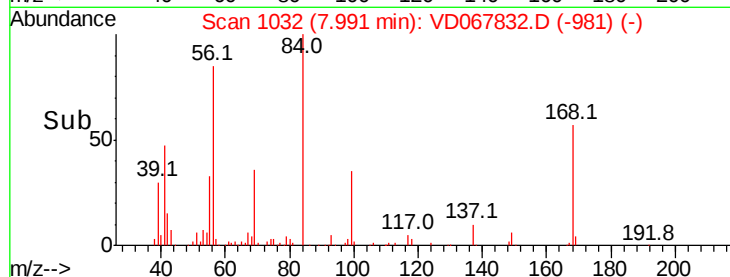
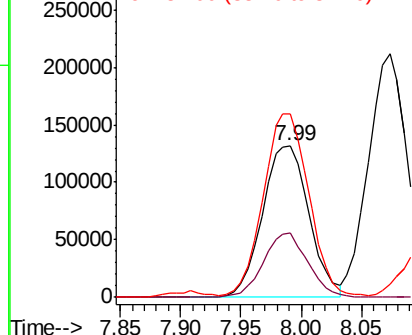
56 100

69 42.3 32.1 48.1

84 116.5 93.2 139.8



Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC



#32

1,1,1-Trichloroethane

Concen: 143.119 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VD067832.D

Acq: 01 Dec 2020 12:49

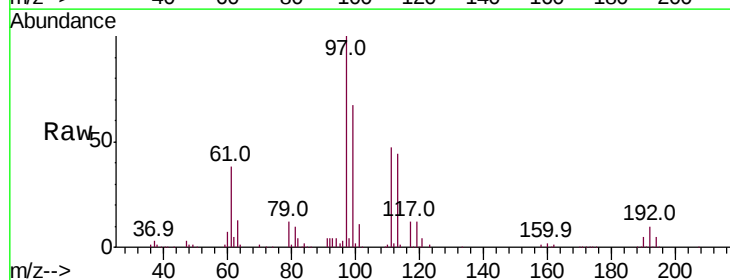
Tgt Ion: 97 Resp: 634821

Ion Ratio Lower Upper

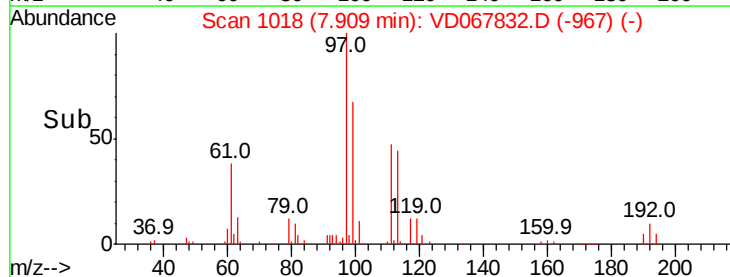
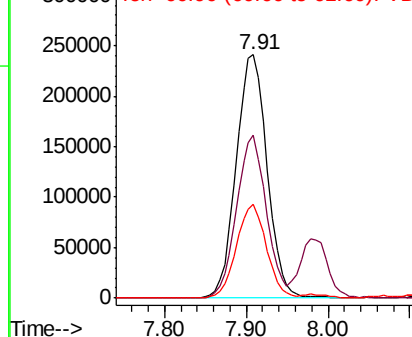
97 100

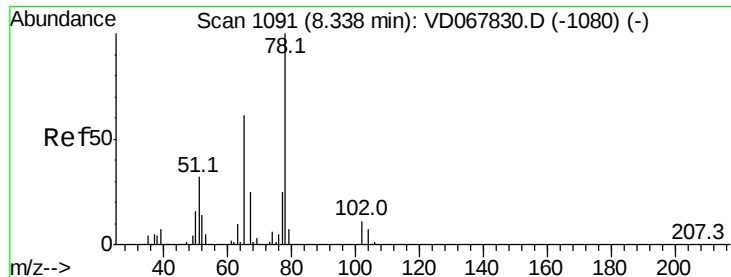
99 64.3 51.4 77.2

61 37.4 30.8 46.2



Abundance Ion 96.90 (96.60 to 97.60): VDC
Ion 98.90 (98.60 to 99.60): VDC
Ion 60.90 (60.60 to 61.60): VDC





#33

1,2-Dichloroethane-d4

Concen: 139.283 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD067832.D

Acq: 01 Dec 2020 12:49

Instrument :

MSVOA_D

ClientSampleId :

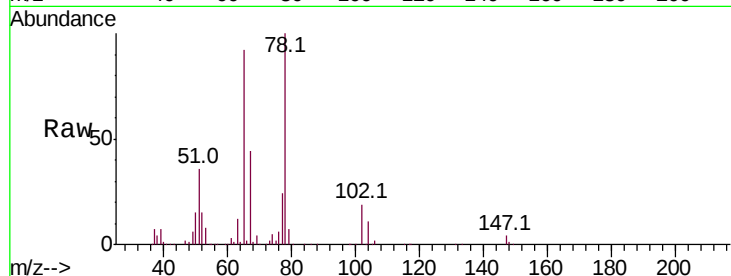
VSTDIC150

Tot Ion: 65 Resp: 347861

Ion Ratio Lower Upper

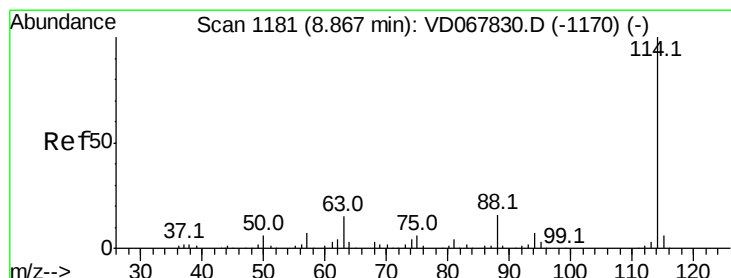
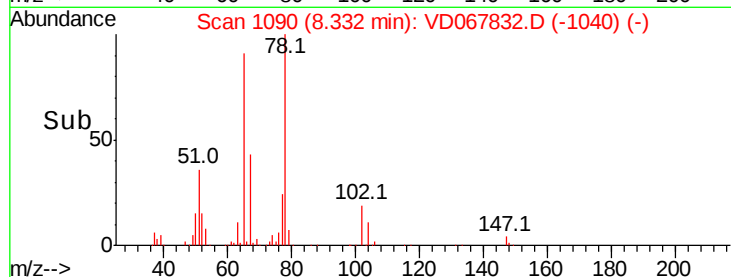
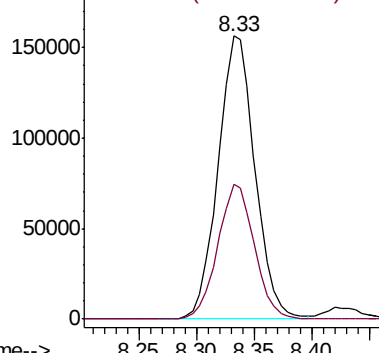
65 100

67 47.5 0.0 92.0



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD067832.D

Acq: 01 Dec 2020 12:49

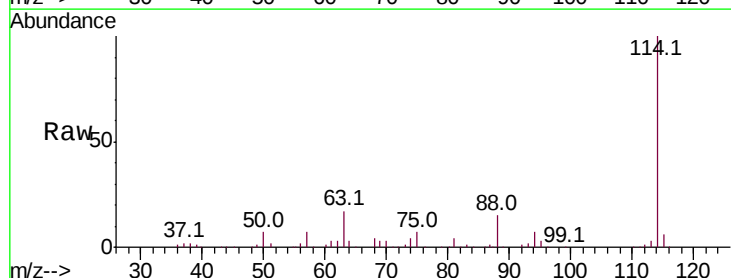
Tgt Ion:114 Resp: 334636

Ion Ratio Lower Upper

114 100

63 16.6 0.0 30.8

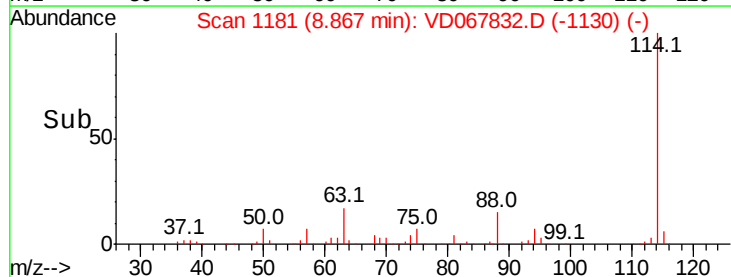
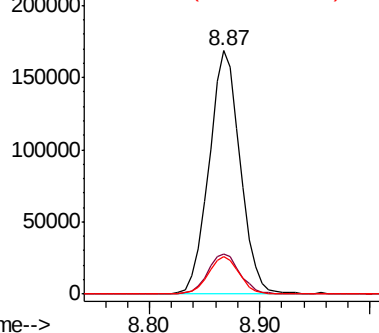
88 15.5 0.0 31.8

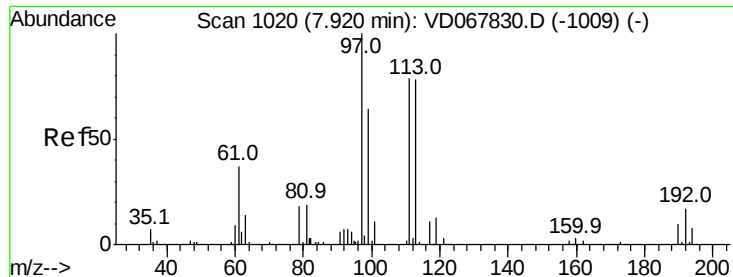


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

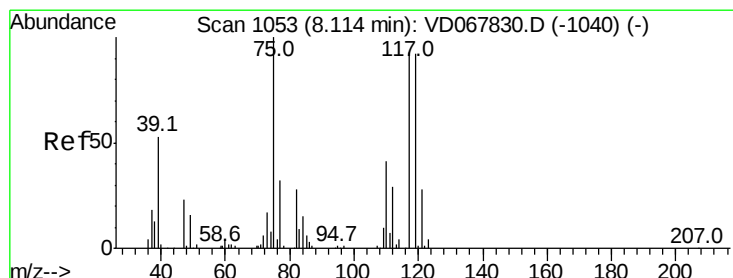
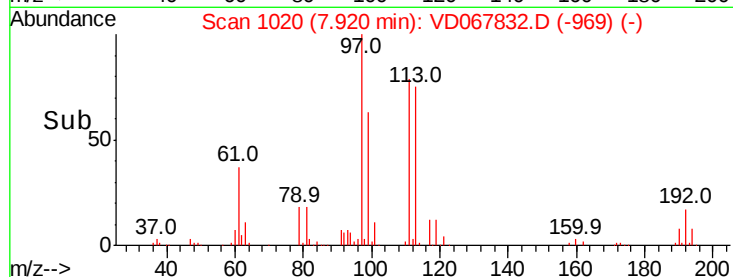
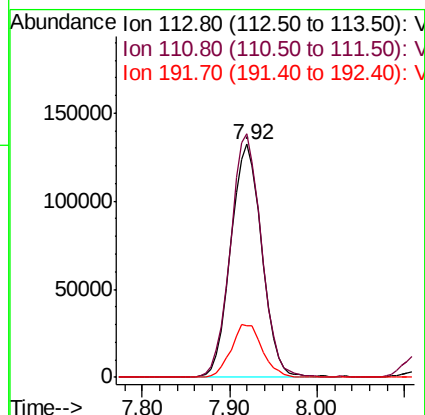
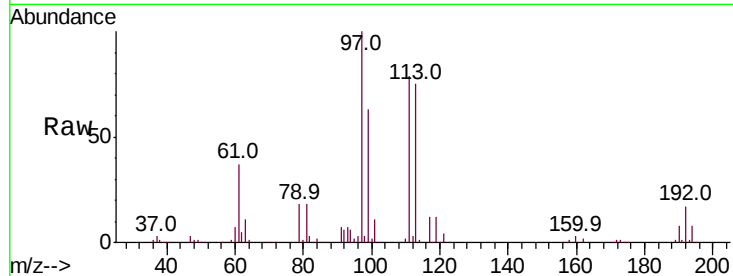




#35
 Dibromofluoromethane
 Concen: 142.868 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD067832.D
 Acq: 01 Dec 2020 12:49

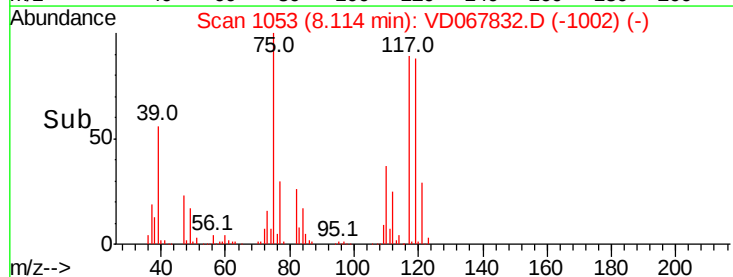
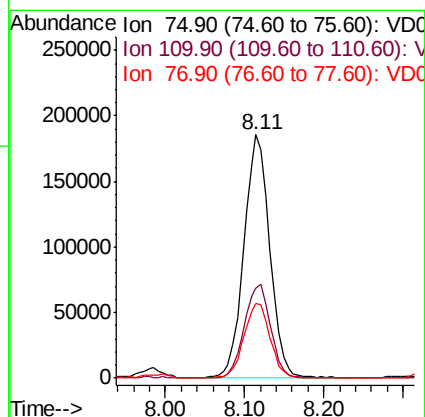
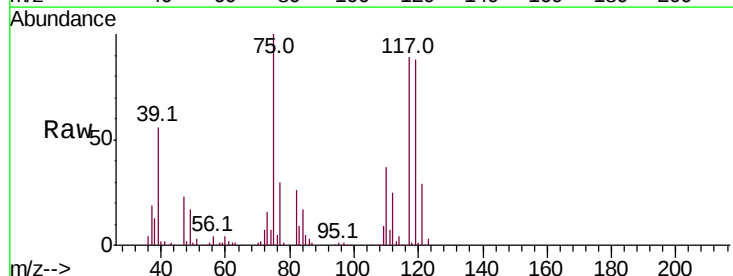
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

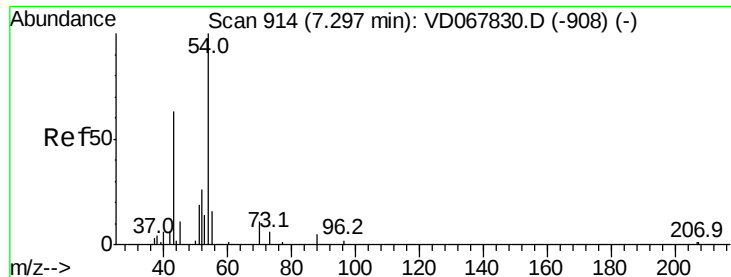
Tot Ion:113 Resp: 319911
 Ion Ratio Lower Upper
 113 100
 111 103.8 81.2 121.8
 192 22.7 16.8 25.2



#36
 1,1-Dichloropropene
 Concen: 145.740 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD067832.D
 Acq: 01 Dec 2020 12:49

Tgt Ion: 75 Resp: 422198
 Ion Ratio Lower Upper
 75 100
 110 38.9 20.3 61.0
 77 30.9 24.7 37.1

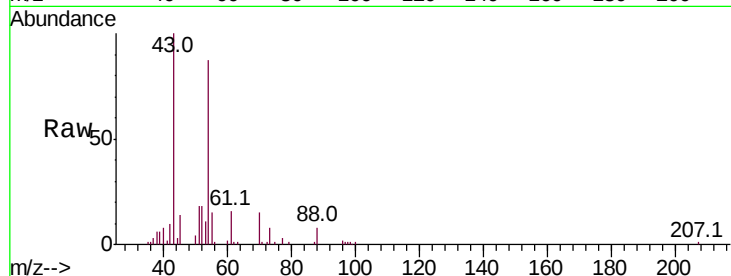




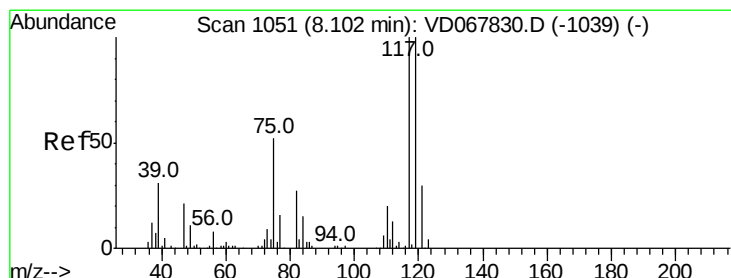
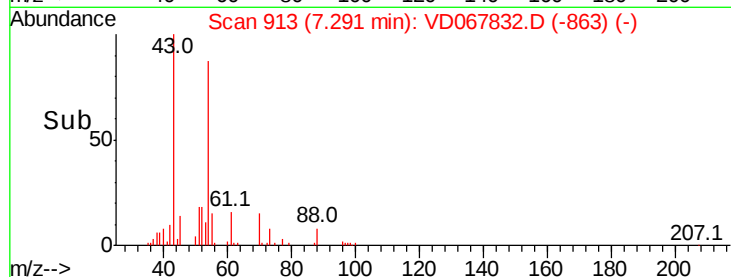
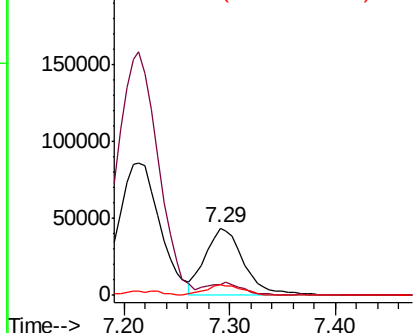
#37
Ethyl Acetate
Concen: 161.613 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD067832.D
Acq: 01 Dec 2020 12:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 109323
Ion Ratio Lower Upper
43 100
61 15.4 11.4 17.2
70 15.6 11.5 17.3

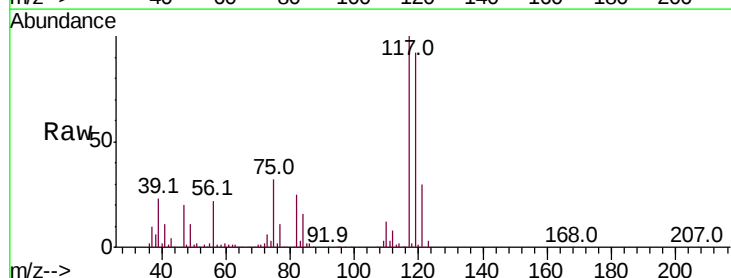


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC

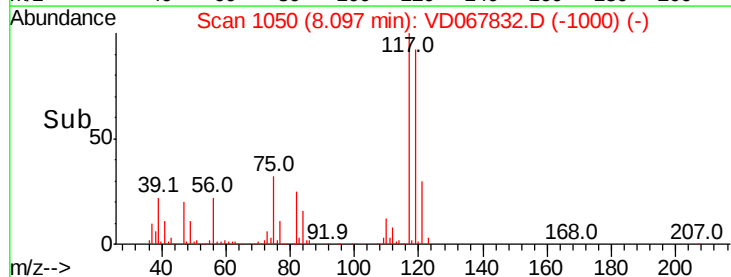
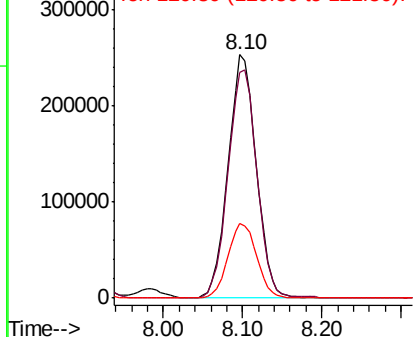


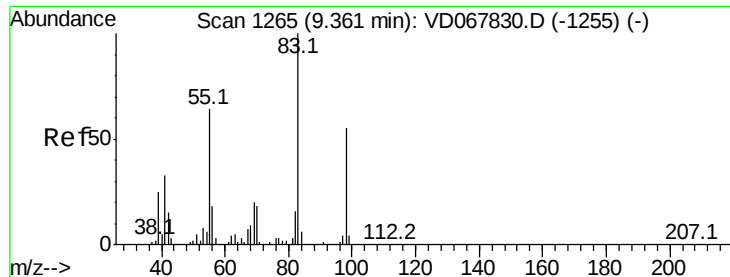
#38
Carbon Tetrachloride
Concen: 141.550 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD067832.D
Acq: 01 Dec 2020 12:49

Tgt Ion: 117 Resp: 620432
Ion Ratio Lower Upper
117 100
119 92.5 79.7 119.5
121 30.5 23.8 35.6



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

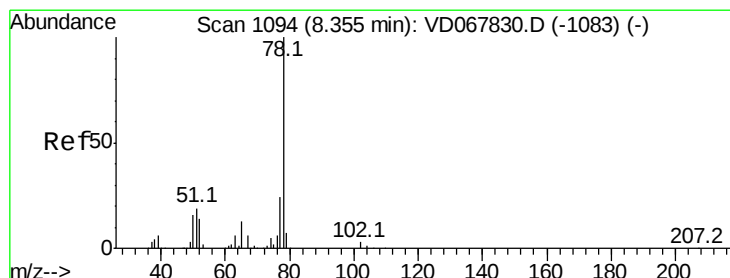
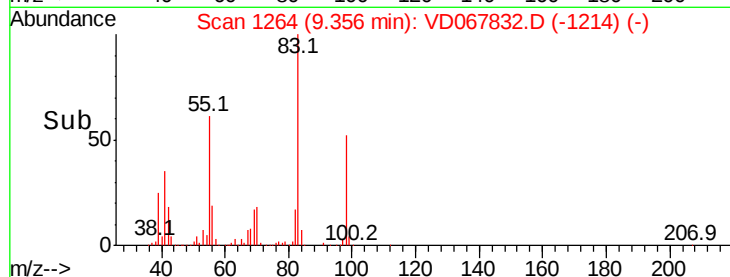
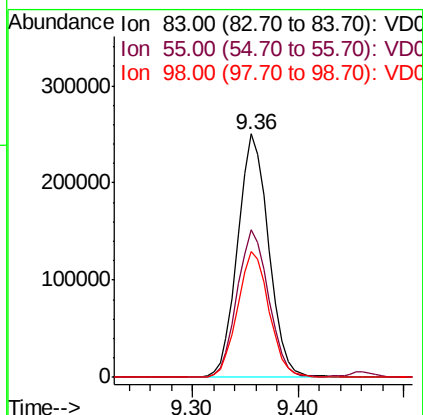
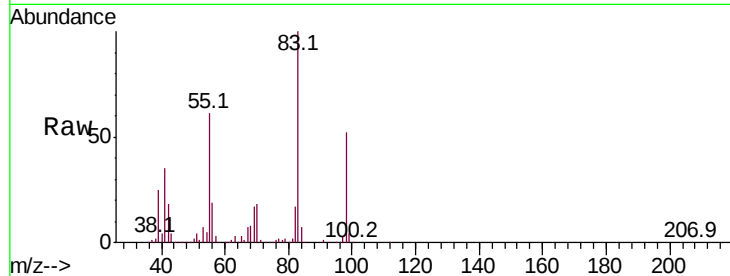




#39
Methvlcvclohexane
Concen: 148.749 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD067832.D
Acq: 01 Dec 2020 12:49

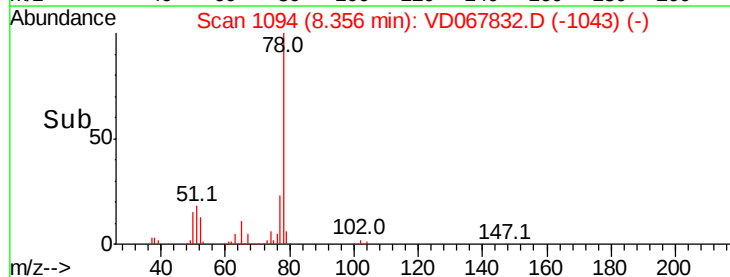
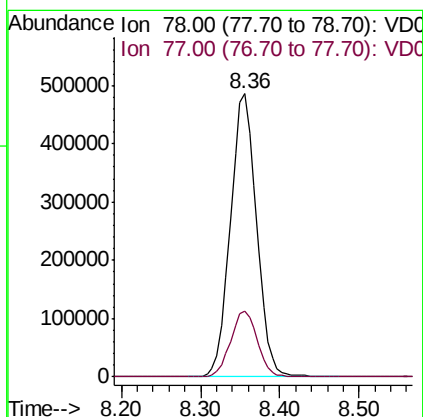
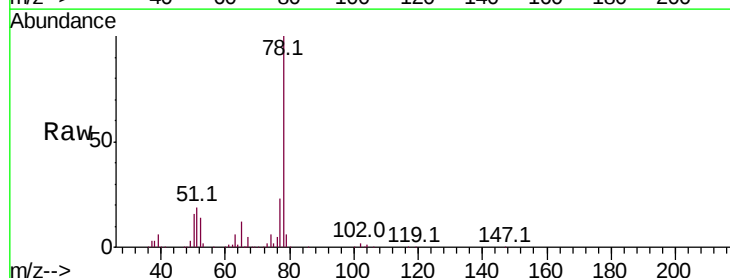
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

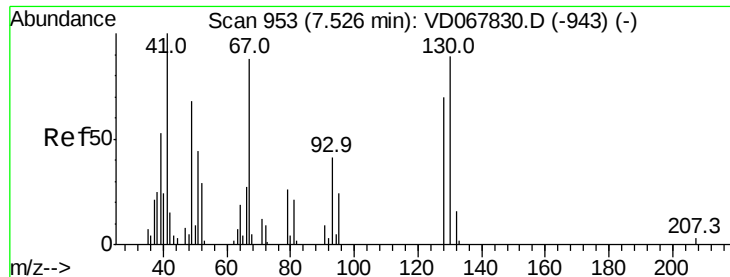
Tot Ion: 83 Resp: 510653
Ion Ratio Lower Upper
83 100
55 60.7 51.6 77.4
98 51.8 44.3 66.5



#40
Benzene
Concen: 140.103 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD067832.D
Acq: 01 Dec 2020 12:49

Tgt Ion: 78 Resp: 1110567
Ion Ratio Lower Upper
78 100
77 23.5 19.1 28.7





#41

Methacrylonitrile

Concen: 417.968 ug/l

RT: 7.56 min Scan# 959

Delta R.T. 0.04 min

Lab File: VD067832.D

Acq: 01 Dec 2020 12:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 41 Resp: 158666

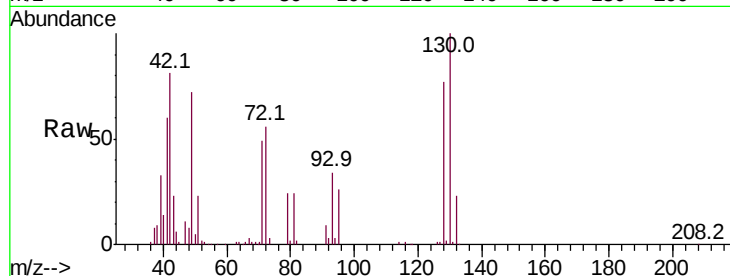
Ion Ratio Lower Upper

41 100

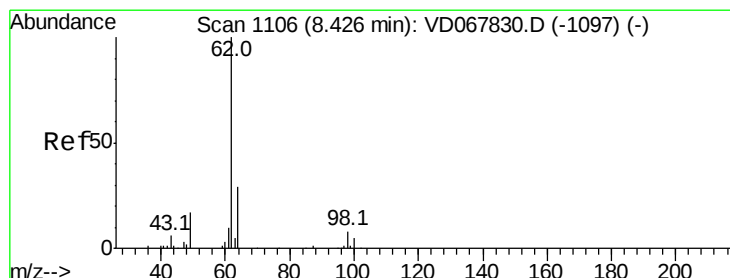
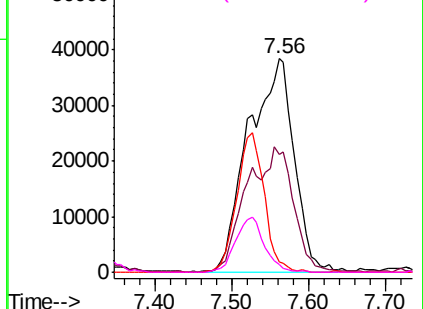
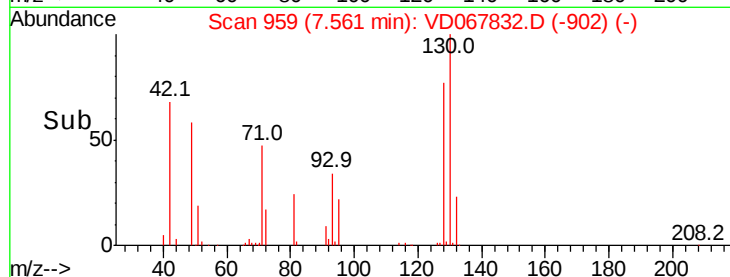
39 31.5 42.1 63.1#

67 0.0 82.4 123.6#

52 0.0 30.6 45.8#



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



#42

1,2-Dichloroethane

Concen: 142.402 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VD067832.D

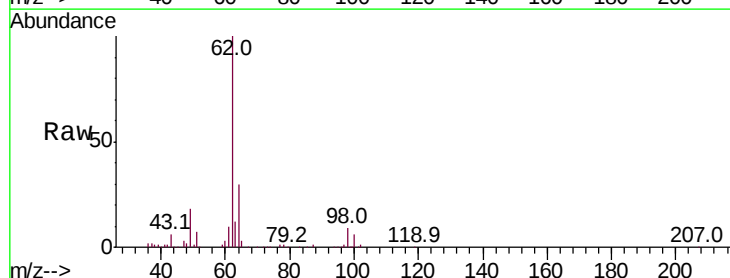
Acq: 01 Dec 2020 12:49

Tgt Ion: 62 Resp: 402306

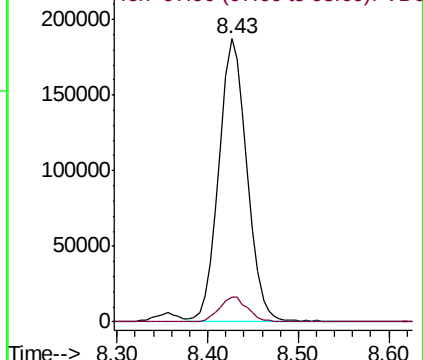
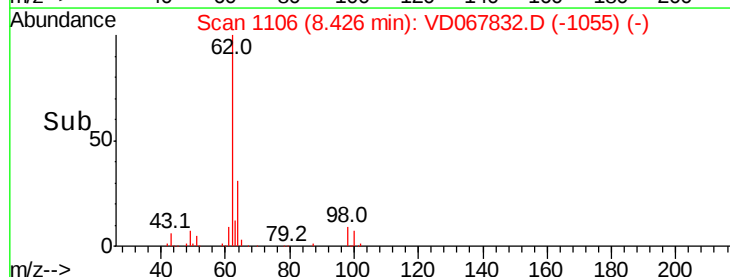
Ion Ratio Lower Upper

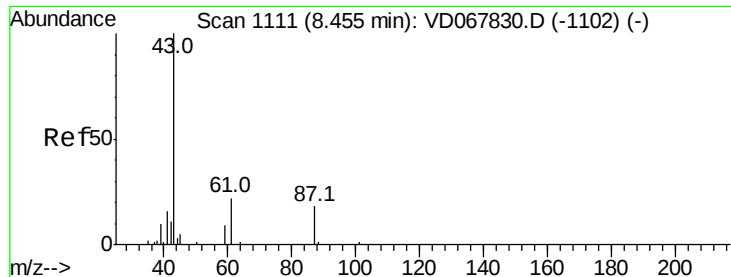
62 100

98 8.8 0.0 17.2



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





#43

Isopropyl Acetate

Concen: 151.499 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD067832.D

Acq: 01 Dec 2020 12:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

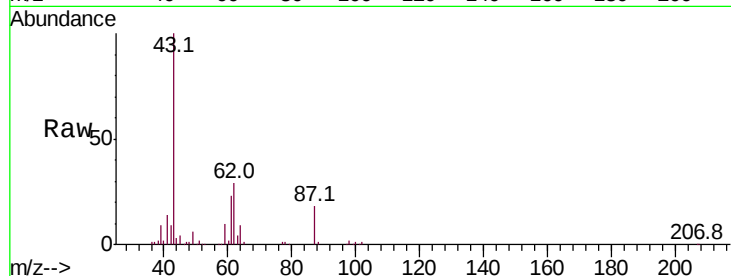
Tot Ion: 43 Resp: 232739

Ion Ratio Lower Upper

43 100

61 36.6 30.4 45.6

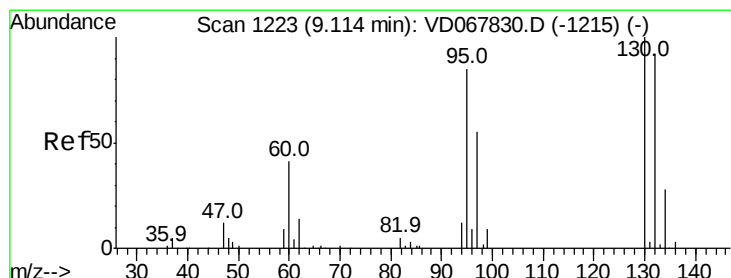
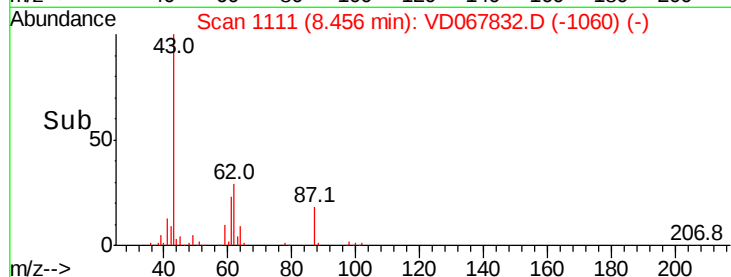
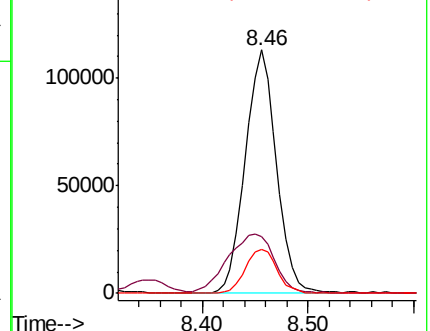
87 18.6 16.2 24.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 140.481 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD067832.D

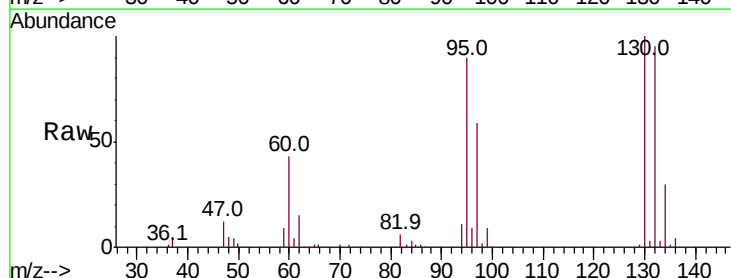
Acq: 01 Dec 2020 12:49

Tgt Ion:130 Resp: 382861

Ion Ratio Lower Upper

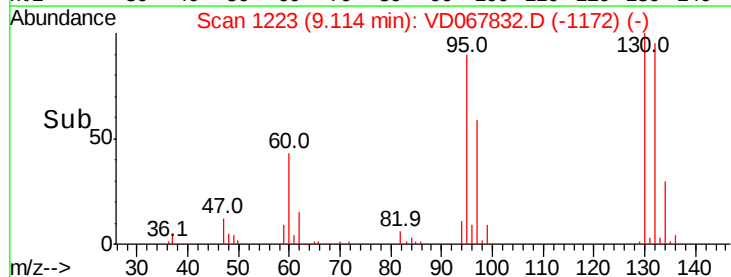
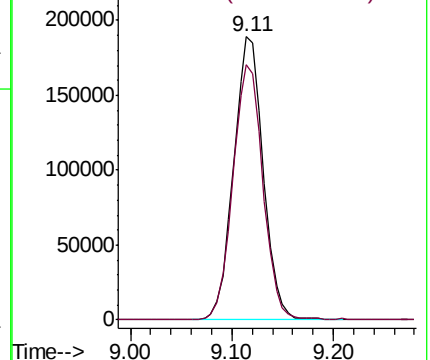
130 100

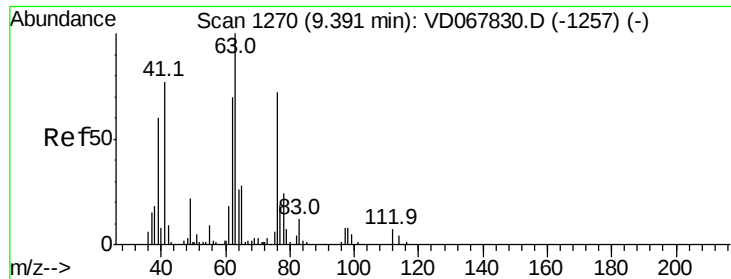
95 90.1 0.0 170.2



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 139.707 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD067832.D

Acq: 01 Dec 2020 12:49

Instrument :

MSVOA_D

ClientSampleId :

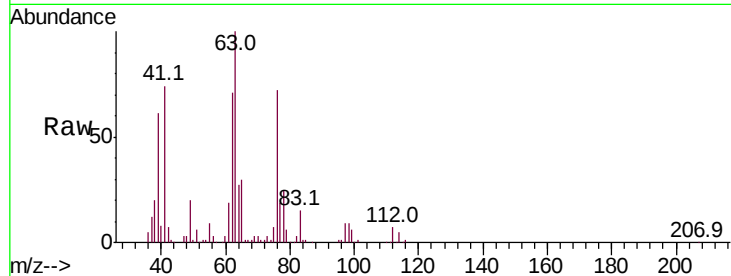
VSTDIC150

Tot Ion: 63 Resp: 227293

Ion Ratio Lower Upper

63 100

65 29.6 22.8 34.2



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

9.39

120000

100000

80000

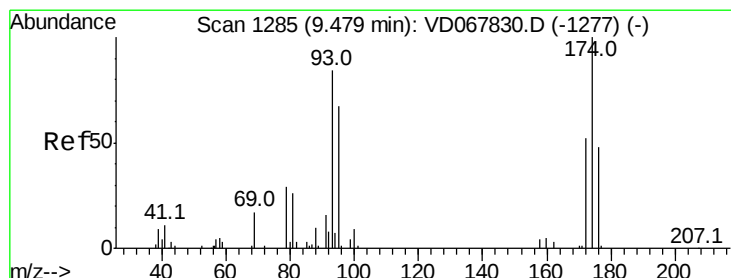
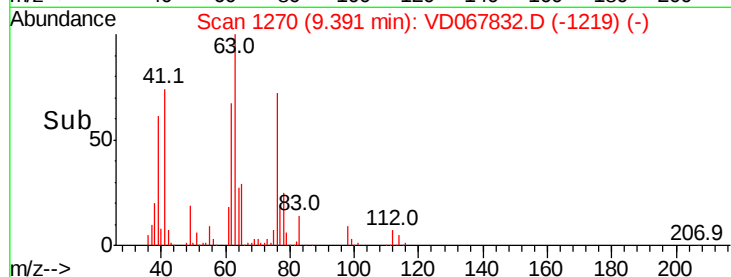
60000

40000

20000

0

Time-->



#46

Dibromomethane

Concen: 142.794 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD067832.D

Acq: 01 Dec 2020 12:49

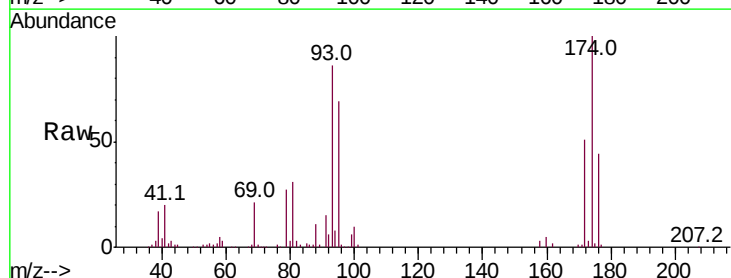
Tgt Ion: 93 Resp: 161523

Ion Ratio Lower Upper

93 100

95 81.7 64.2 96.4

174 118.2 91.5 137.3



Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V

120000

100000

80000

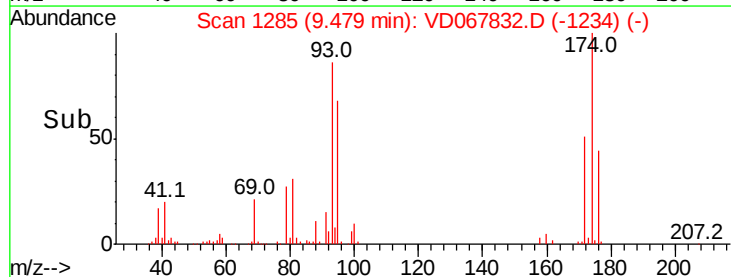
60000

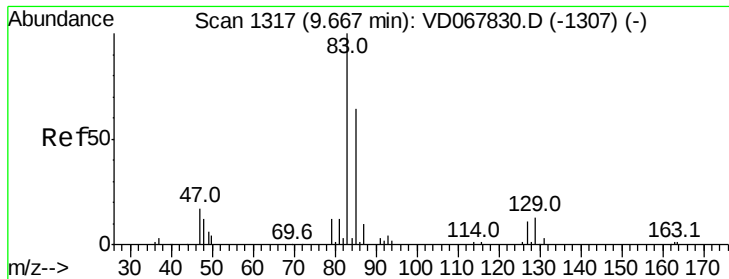
40000

20000

0

Time-->





#47

Bromodichloromethane

Concen: 141.829 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD067832.D

Acq: 01 Dec 2020 12:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

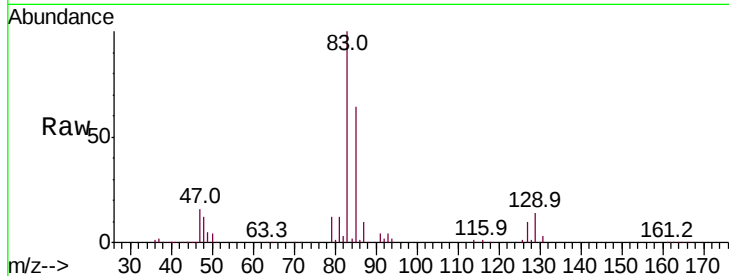
Tot Ion: 83 Resp: 457369

Ion Ratio Lower Upper

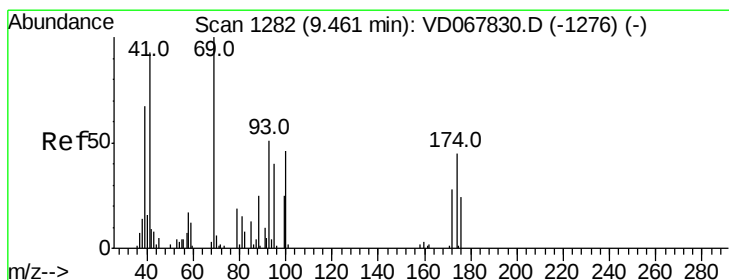
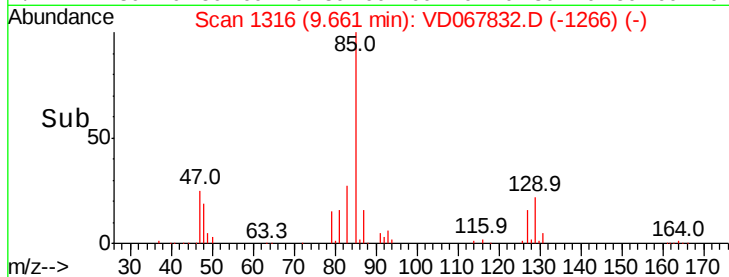
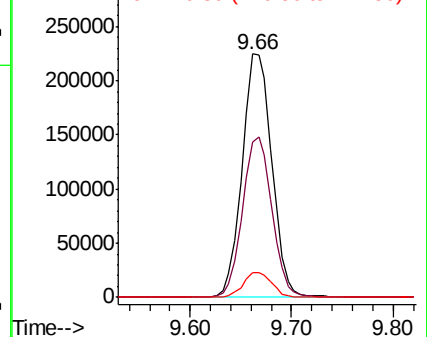
83 100

85 63.6 51.4 77.0

127 9.9 8.5 12.7



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 147.476 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD067832.D

Acq: 01 Dec 2020 12:49

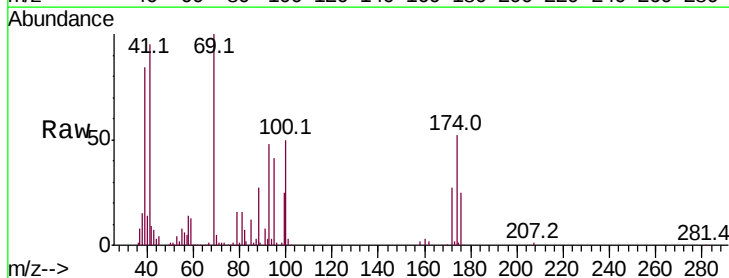
Tgt Ion: 41 Resp: 115043

Ion Ratio Lower Upper

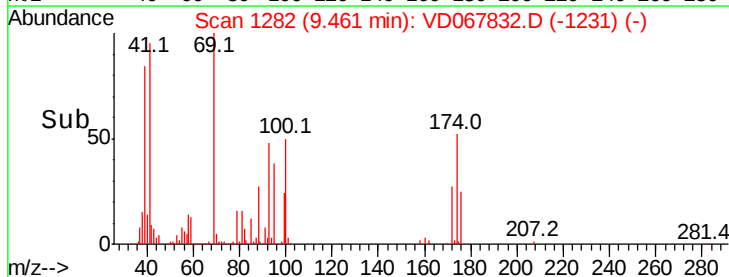
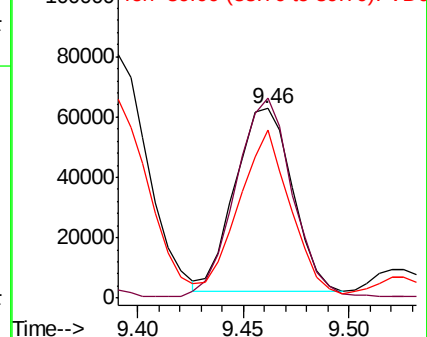
41 100

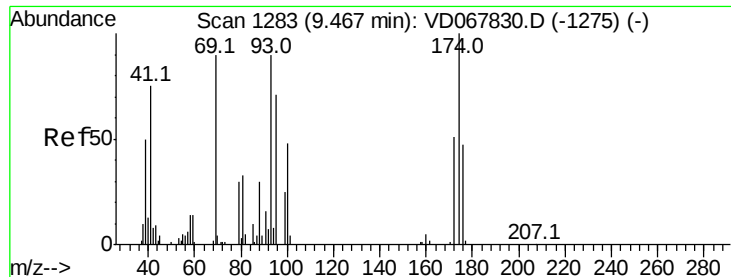
69 106.9 87.6 131.4

39 79.6 61.2 91.8



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





#49

1,4-Dioxane

Concen: 2883.651 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.01 min

Lab File: VD067832.D

Acq: 01 Dec 2020 12:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

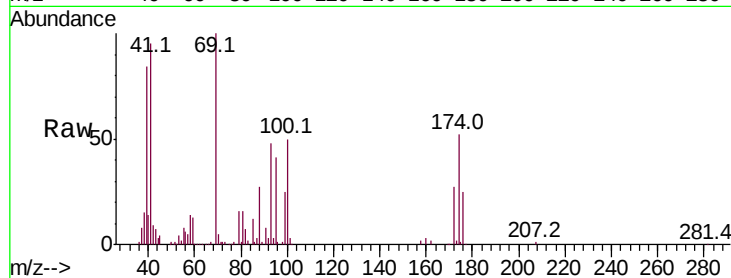
Tot Ion: 88 Resp: 37272

Ion Ratio Lower Upper

88 100

43 27.6 30.1 45.1#

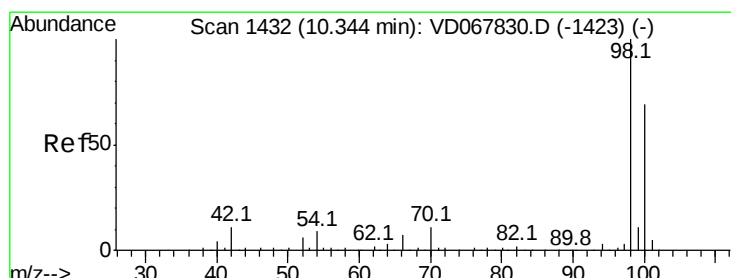
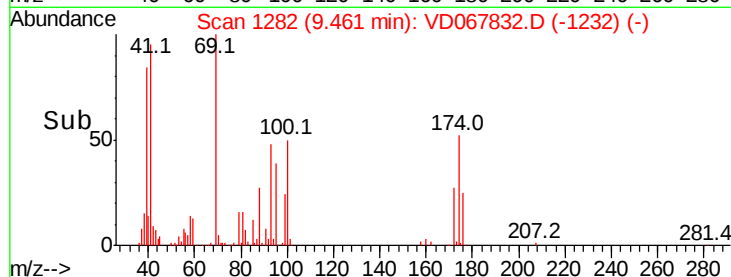
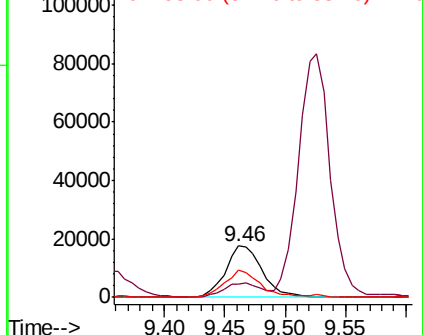
58 51.7 42.4 63.6



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#50

Toluene-d8

Concen: 142.505 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067832.D

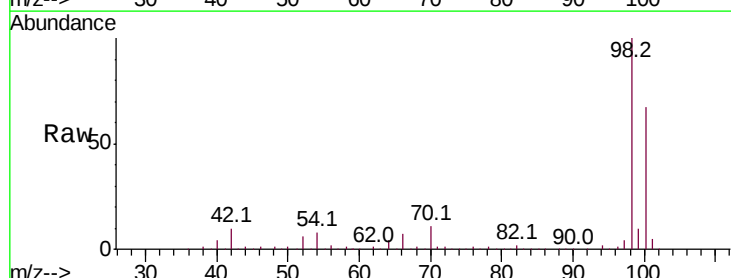
Acq: 01 Dec 2020 12:49

Tgt Ion: 98 Resp: 1148691

Ion Ratio Lower Upper

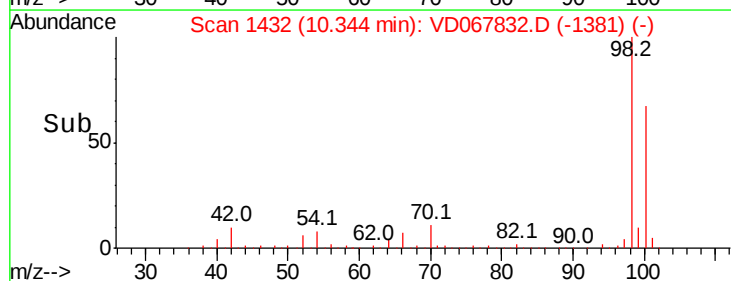
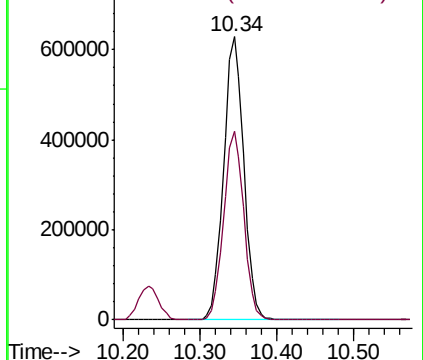
98 100

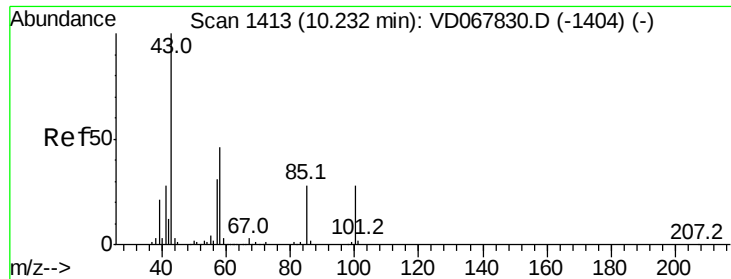
100 66.7 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 721.567 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD067832.D

Acq: 01 Dec 2020 12:49

Instrument :

MSVOA_D

ClientSampleId :

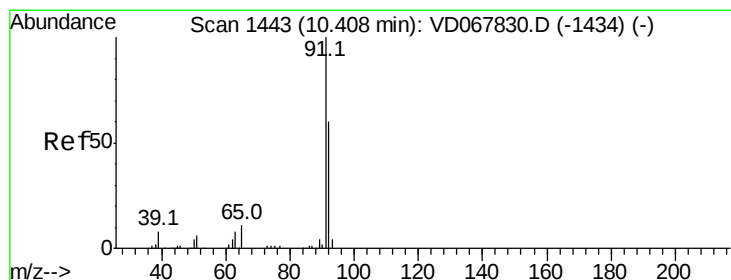
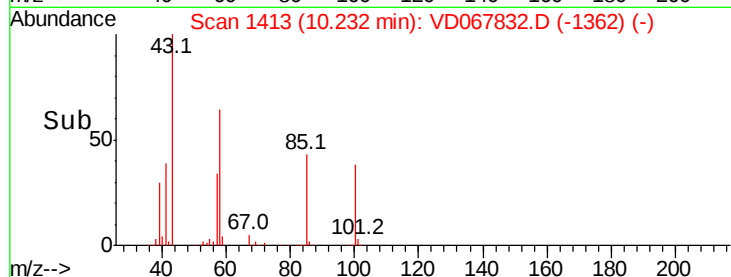
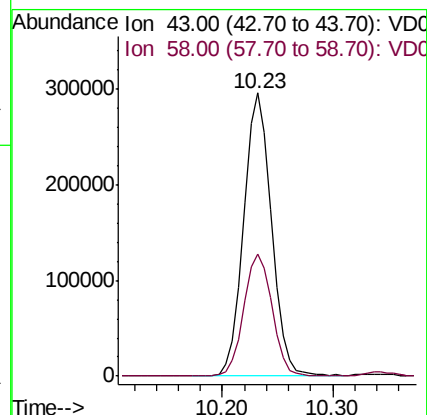
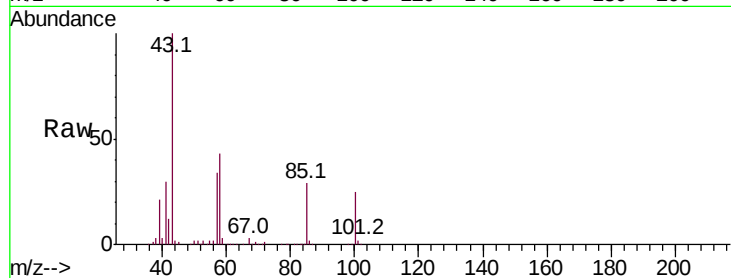
VSTDIC150

Tot Ion: 43 Resp: 524641

Ion Ratio Lower Upper

43 100

58 43.9 35.7 53.5



#52

Toluene

Concen: 140.885 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD067832.D

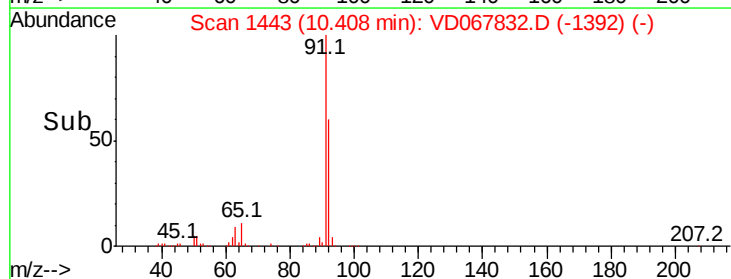
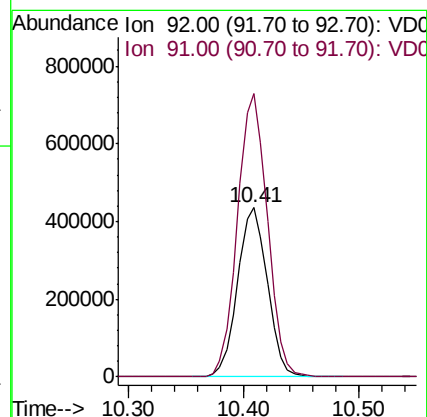
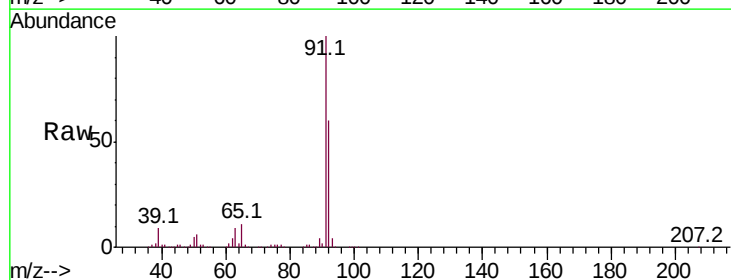
Acq: 01 Dec 2020 12:49

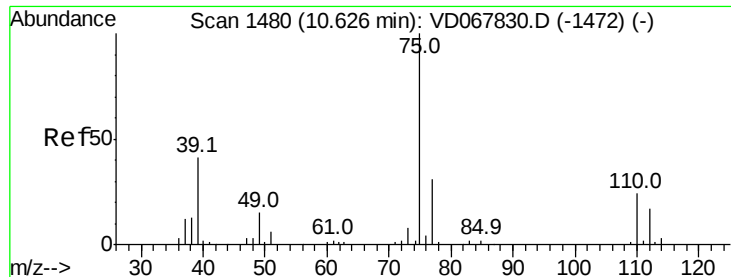
Tgt Ion: 92 Resp: 780791

Ion Ratio Lower Upper

92 100

91 168.6 134.2 201.2





#53

t-1,3-Dichloropropene

Concen: 146.181 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD067832.D

Acq: 01 Dec 2020 12:49

Instrument :

MSVOA_D

ClientSampleId :

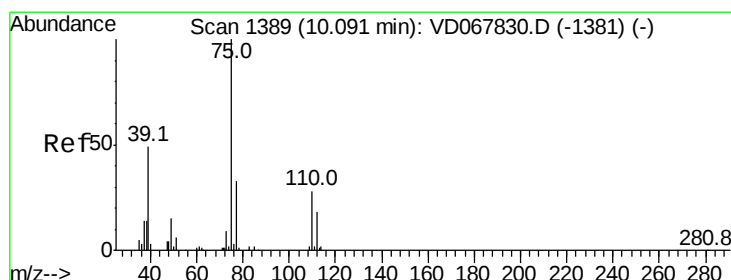
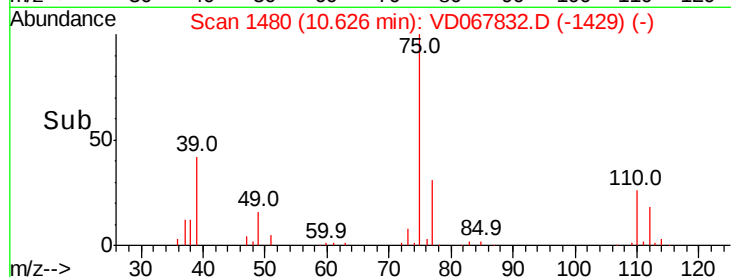
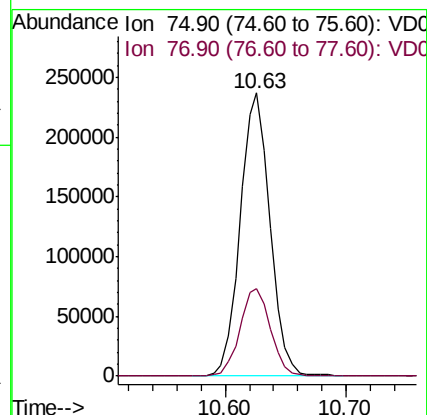
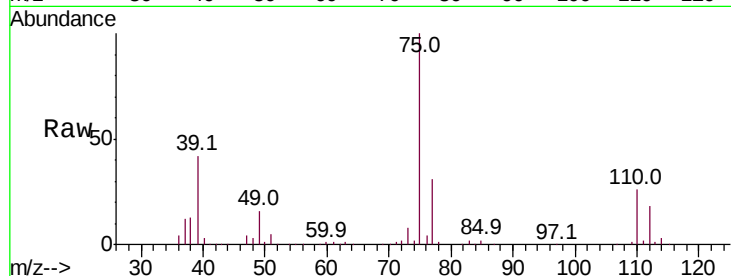
VSTDIC150

Tot Ion: 75 Resp: 406874

Ion Ratio Lower Upper

75 100

77 31.0 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 147.081 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD067832.D

Acq: 01 Dec 2020 12:49

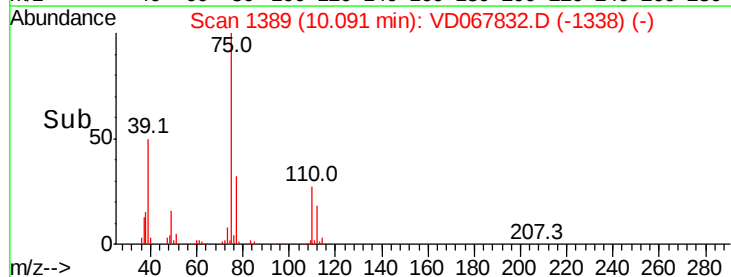
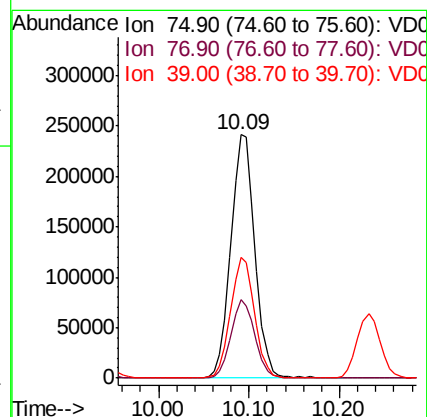
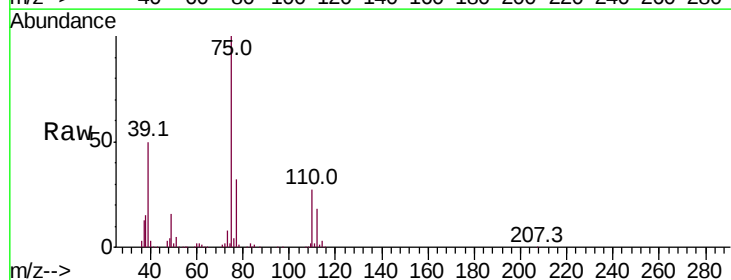
Tgt Ion: 75 Resp: 445298

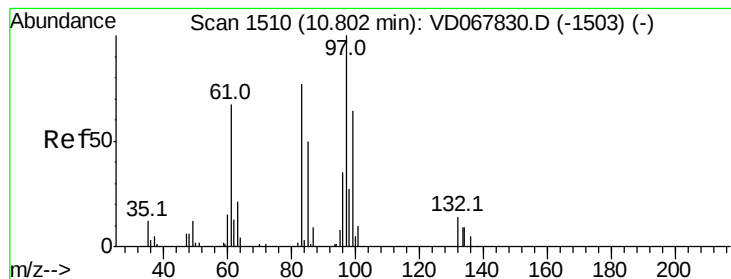
Ion Ratio Lower Upper

75 100

77 32.2 26.2 39.2

39 49.6 39.0 58.4





#55

1,1,2-Trichloroethane

Concen: 134.483 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VD067832.D

Acq: 01 Dec 2020 12:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 97 Resp: 208182

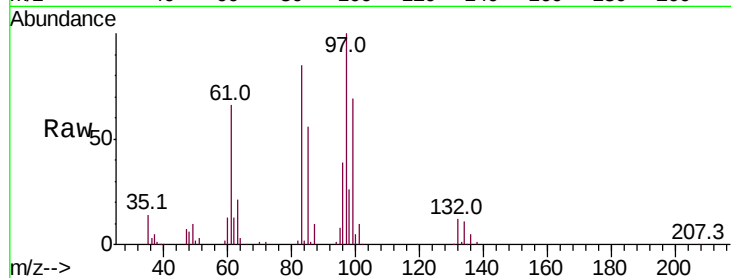
Ion Ratio Lower Upper

97 100

83 84.6 61.9 92.9

85 56.0 40.2 60.4

99 68.7 51.0 76.6

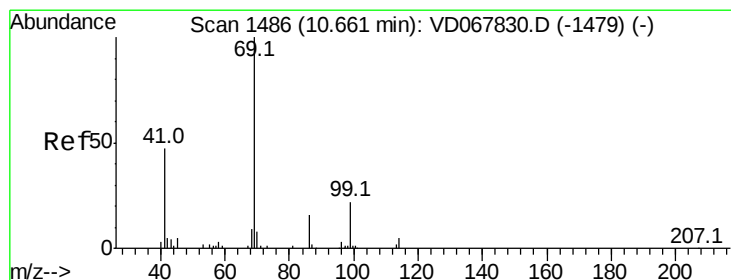
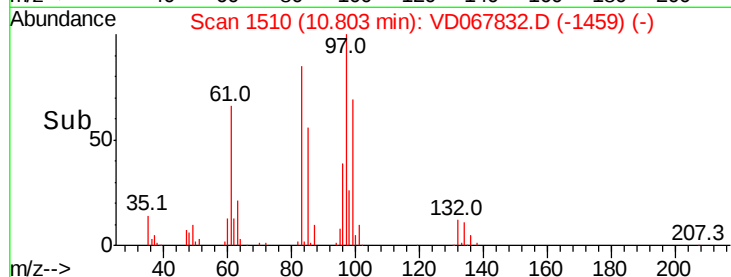
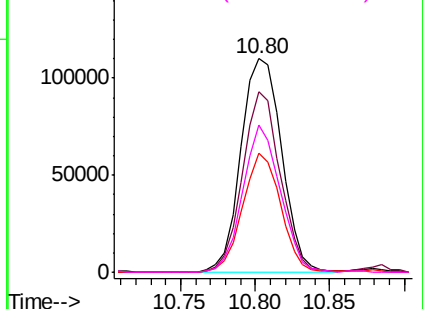


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 148.750 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. 0.01 min

Lab File: VD067832.D

Acq: 01 Dec 2020 12:49

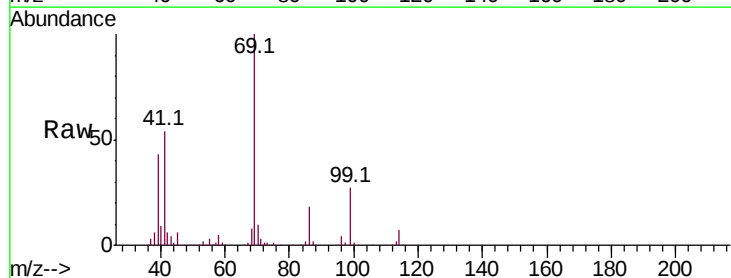
Tgt Ion: 69 Resp: 234283

Ion Ratio Lower Upper

69 100

41 55.7 42.8 64.2

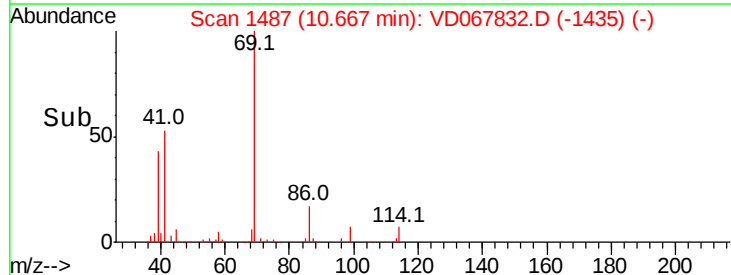
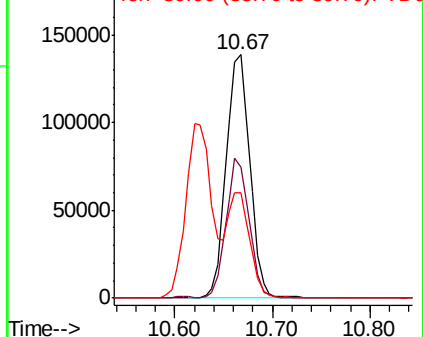
39 39.1 30.5 45.7

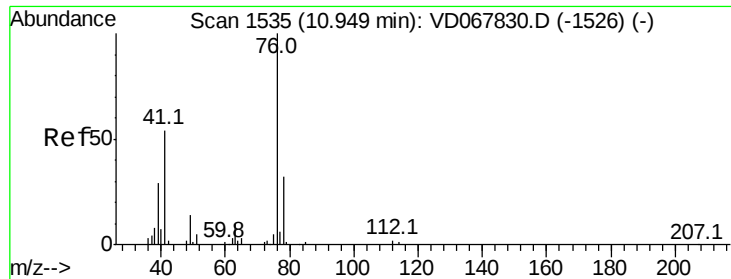


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 136.875 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD067832.D

Acq: 01 Dec 2020 12:49

Instrument :

MSVOA_D

ClientSampleId :

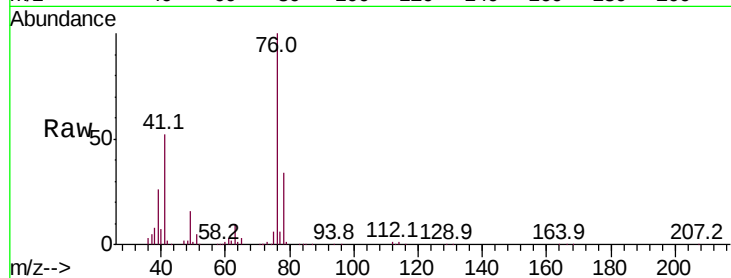
VSTDIC150

Tot Ion: 76 Resp: 335635

Ion Ratio Lower Upper

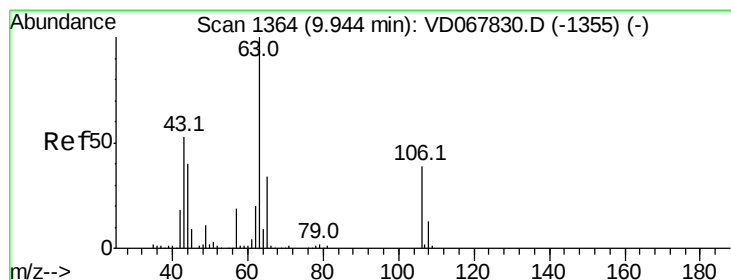
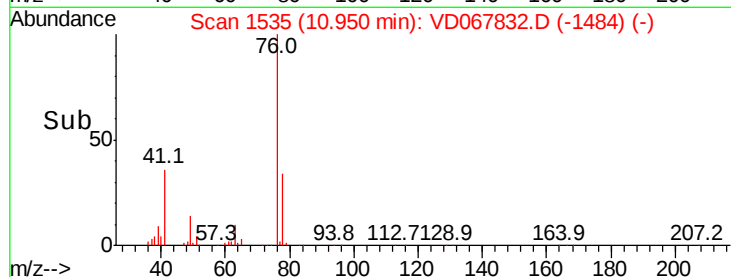
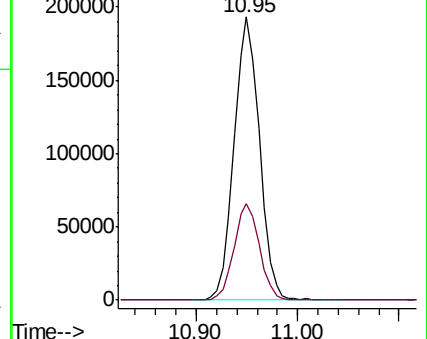
76 100

78 34.1 26.6 39.8



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 789.382 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD067832.D

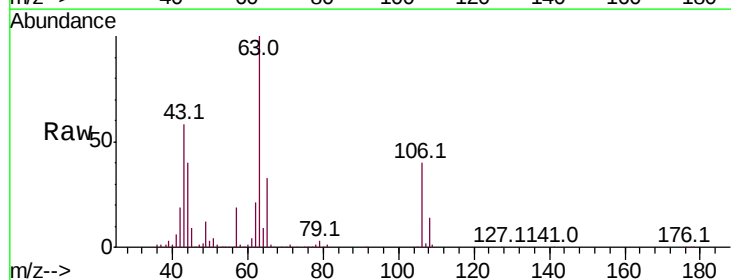
Acq: 01 Dec 2020 12:49

Tgt Ion: 63 Resp: 565742

Ion Ratio Lower Upper

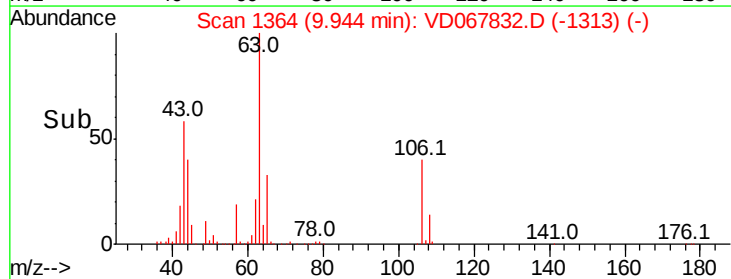
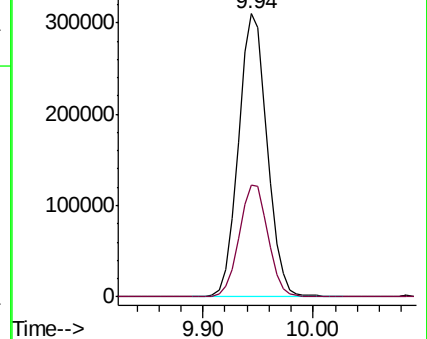
63 100

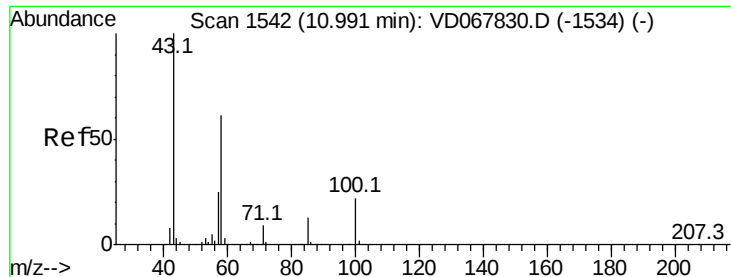
106 39.9 32.0 48.0



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

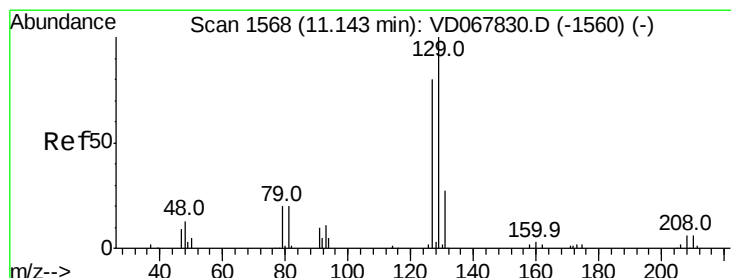
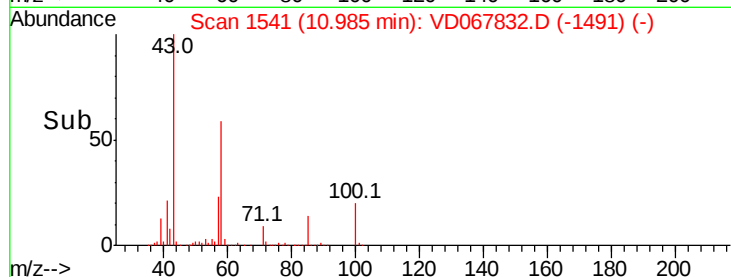
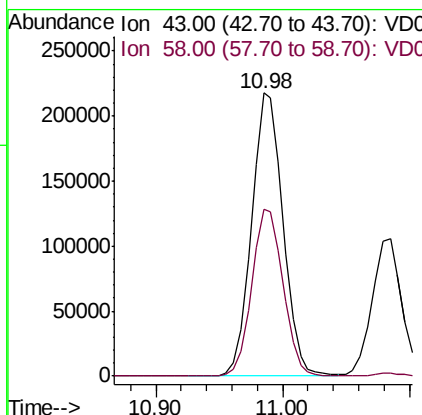
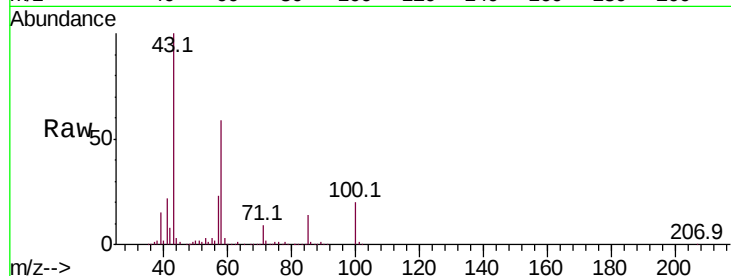




#59
2-Hexanone
Concen: 732.431 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD067832.D
Acq: 01 Dec 2020 12:49

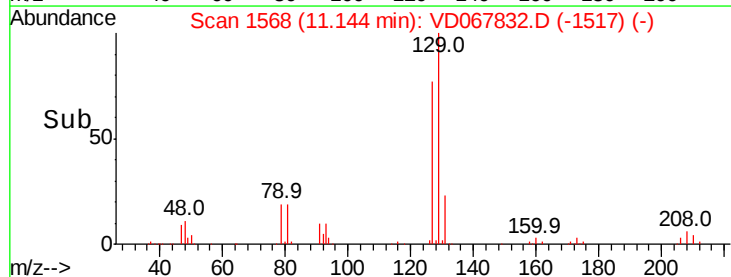
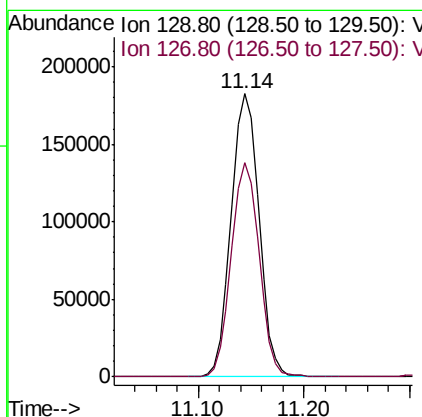
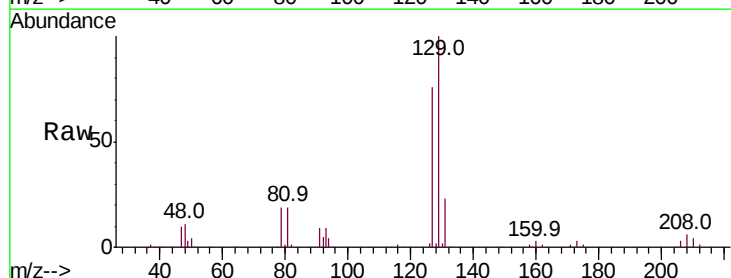
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

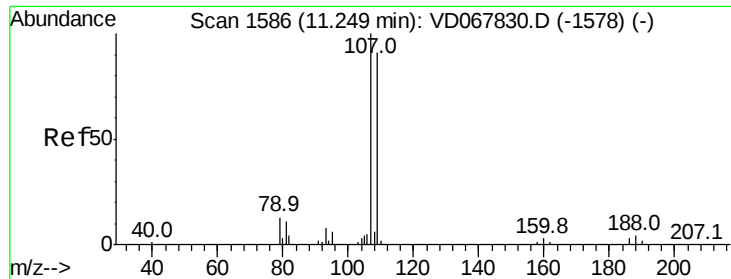
Tot Ion: 43 Resp: 375412
Ion Ratio Lower Upper
43 100
58 59.0 29.9 89.7



#60
Dibromochloromethane
Concen: 143.108 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD067832.D
Acq: 01 Dec 2020 12:49

Tgt Ion: 129 Resp: 333944
Ion Ratio Lower Upper
129 100
127 75.8 39.2 117.6

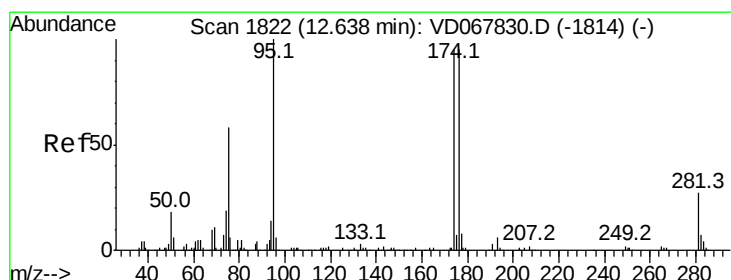
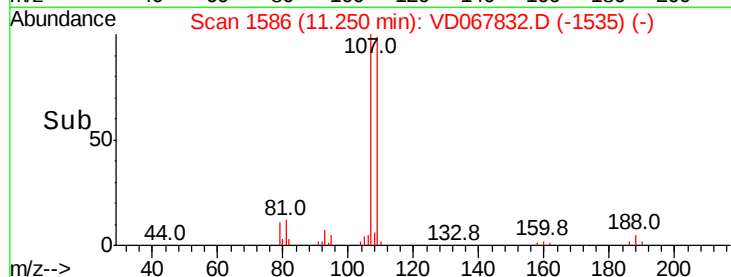
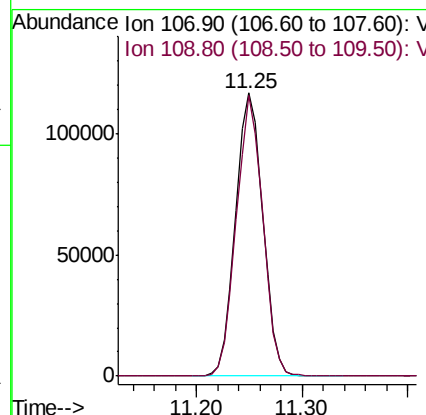
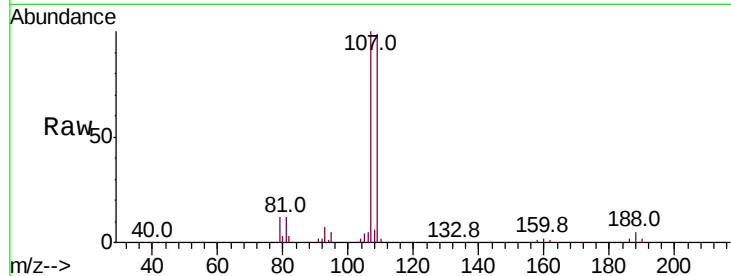




#61
 1,2-Dibromoethane
 Concen: 136.971 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD067832.D
 Acq: 01 Dec 2020 12:49

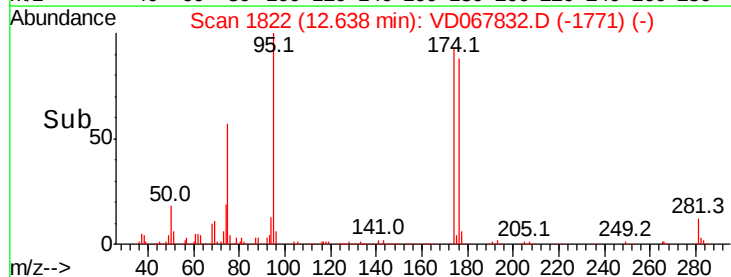
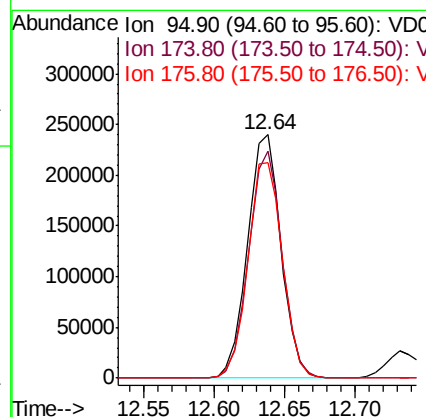
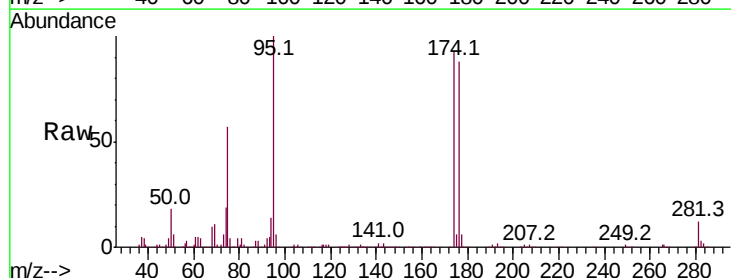
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

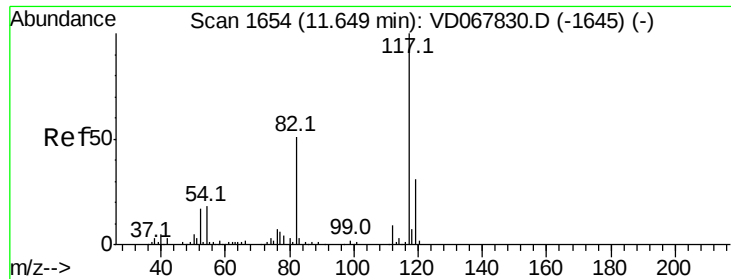
Tot Ion:107 Resp: 208511
 Ion Ratio Lower Upper
 107 100
 109 95.8 75.9 113.9



#62
 4-Bromofluorobenzene
 Concen: 143.085 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067832.D
 Acq: 01 Dec 2020 12:49

Tgt Ion: 95 Resp: 398751
 Ion Ratio Lower Upper
 95 100
 174 92.9 0.0 186.0
 176 91.1 0.0 184.2

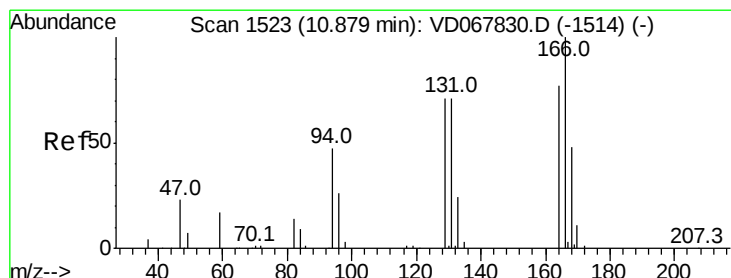
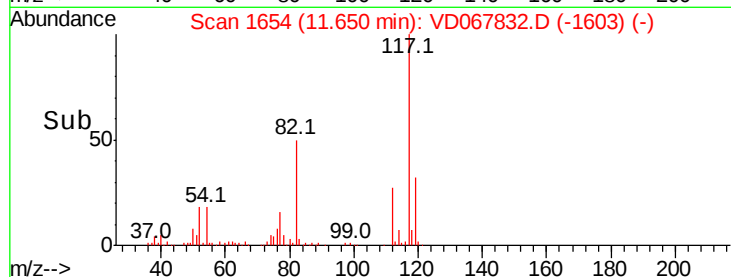
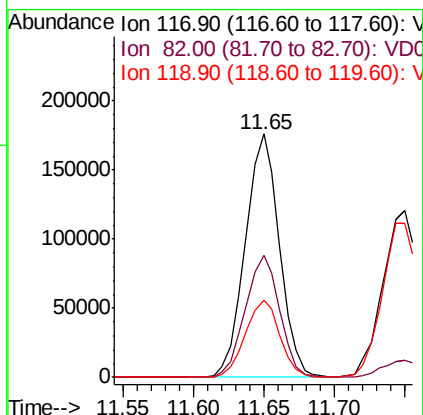
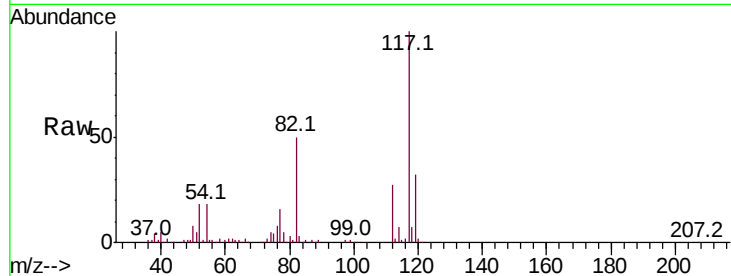




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067832.D
Acq: 01 Dec 2020 12:49

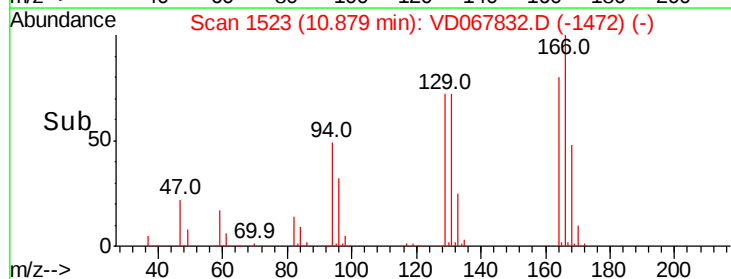
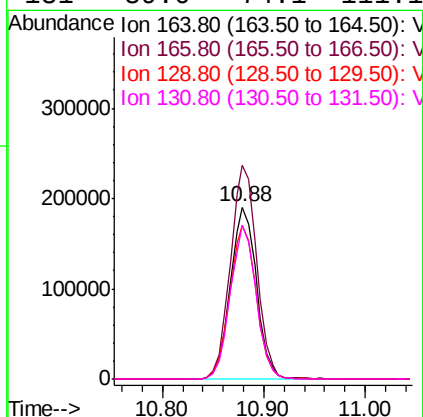
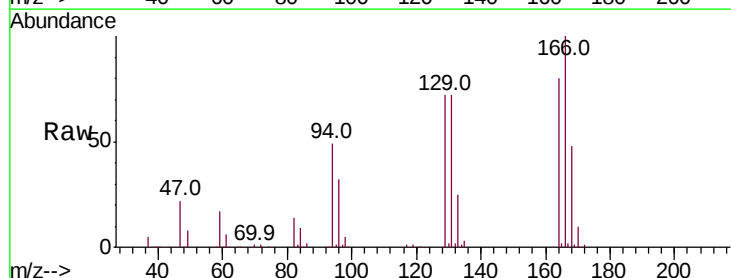
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

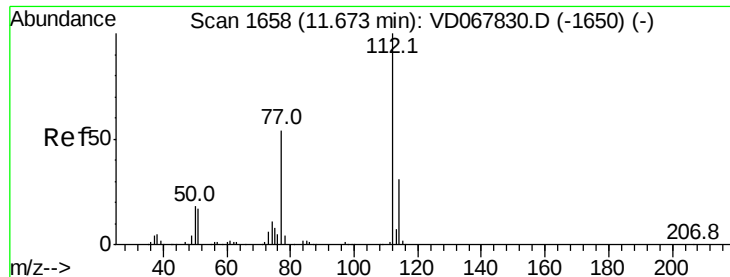
Tot Ion:117 Resp: 298582
Ion Ratio Lower Upper
117 100
82 49.9 40.6 60.8
119 31.9 25.1 37.7



#64
Tetrachloroethene
Concen: 139.226 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067832.D
Acq: 01 Dec 2020 12:49

Tgt Ion:164 Resp: 339083
Ion Ratio Lower Upper
164 100
166 124.3 103.8 155.6
129 89.5 73.3 109.9
131 89.0 74.1 111.1

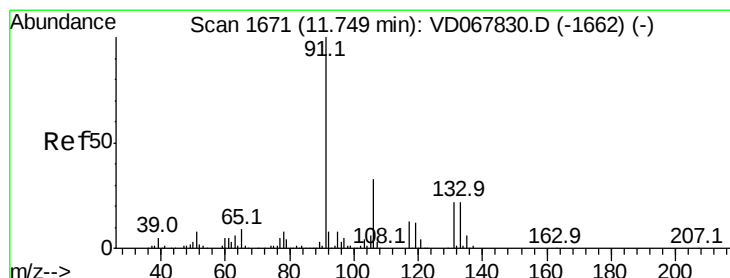
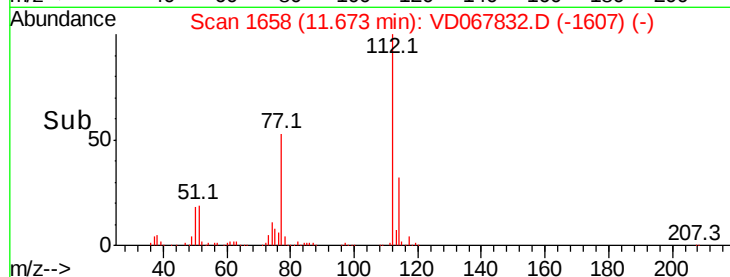
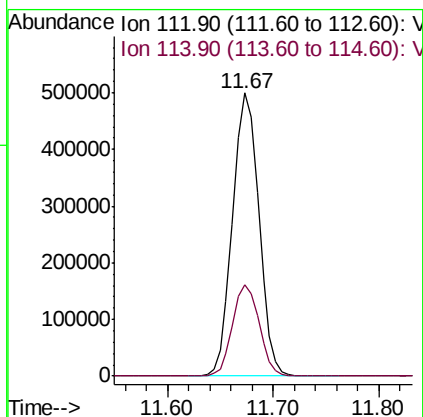
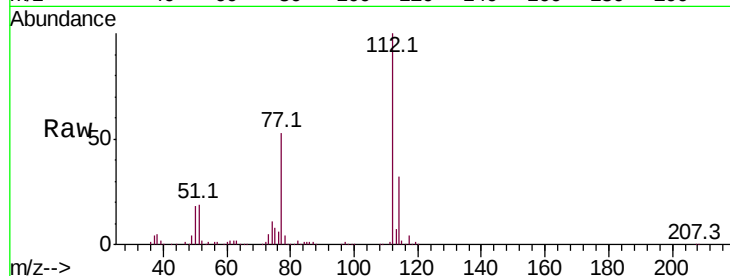




#65
Chlorobenzene
Concen: 140.073 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD067832.D
Acq: 01 Dec 2020 12:49

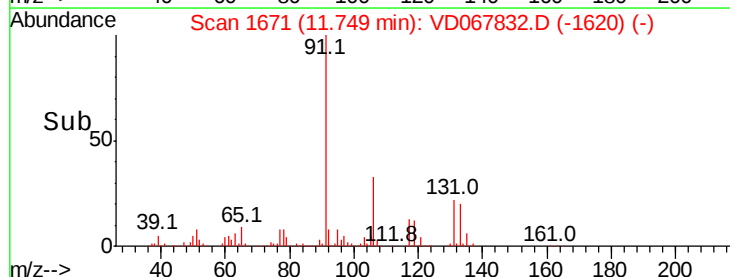
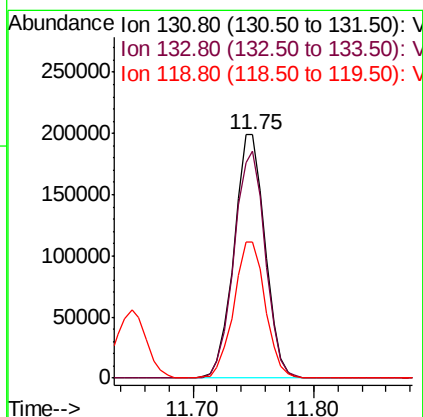
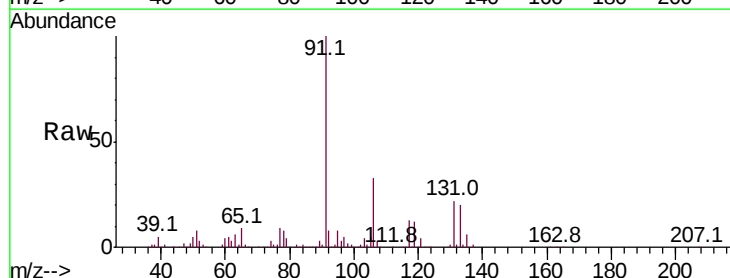
Instrument :
MSVOA_D
ClientSampled :
VSTDIC150

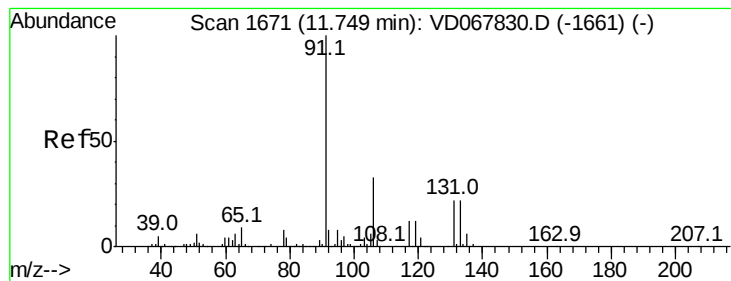
Tot Ion:112 Resp: 862975
Ion Ratio Lower Upper
112 100
114 32.4 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 141.903 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067832.D
Acq: 01 Dec 2020 12:49

Tgt Ion:131 Resp: 356576
Ion Ratio Lower Upper
131 100
133 93.9 49.9 149.7
119 56.9 29.6 88.9





#67

Ethyl Benzene

Concen: 146.048 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD067832.D

Acq: 01 Dec 2020 12:49

Instrument :

MSVOA_D

ClientSampleId :

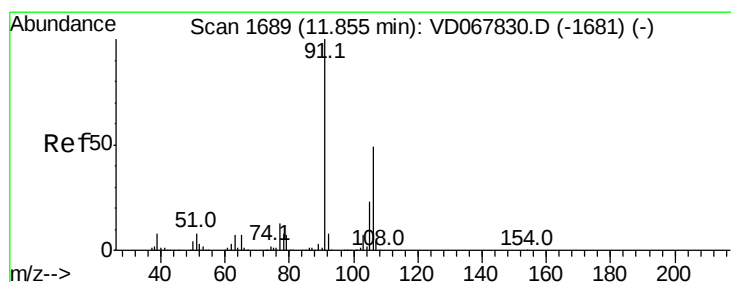
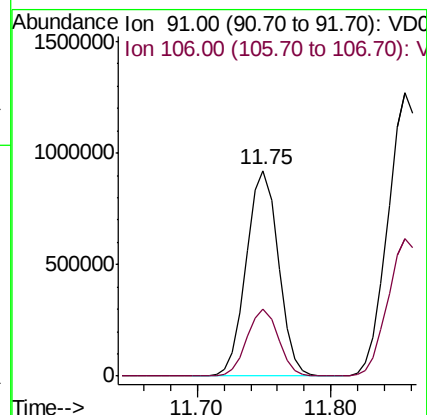
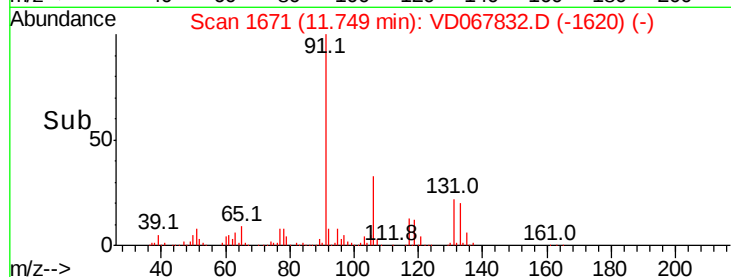
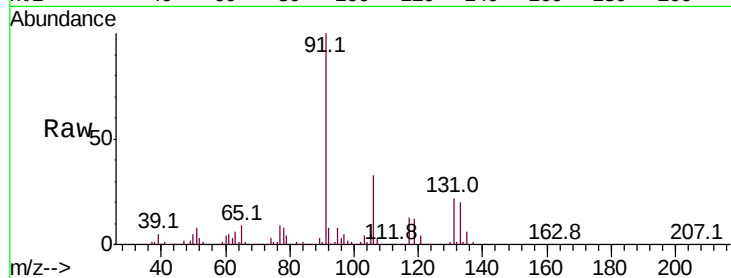
VSTDIC150

Tot Ion: 91 Resp: 1532781

Ion Ratio Lower Upper

91 100

106 32.5 26.2 39.2



#68

m/p-Xylenes

Concen: 288.306 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD067832.D

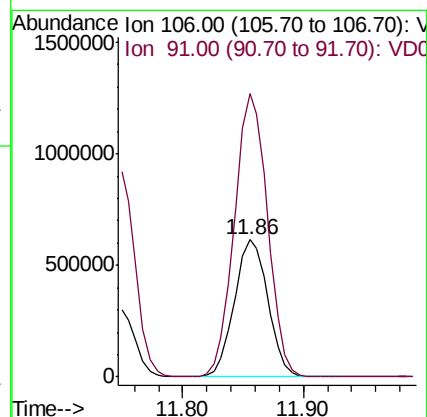
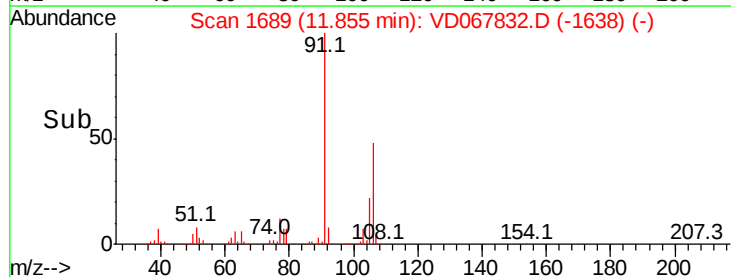
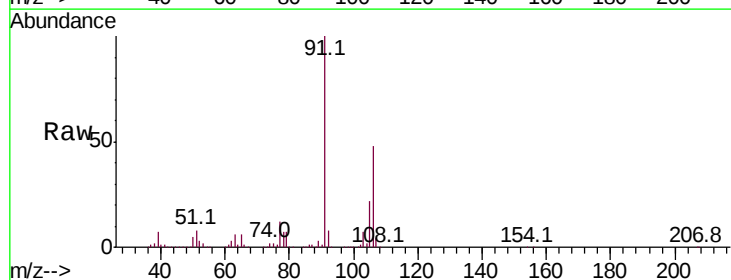
Acq: 01 Dec 2020 12:49

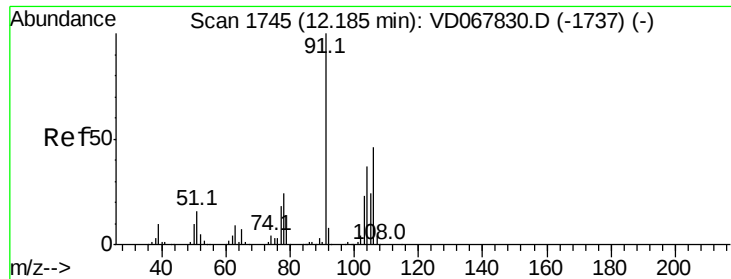
Tgt Ion: 106 Resp: 1193098

Ion Ratio Lower Upper

106 100

91 203.6 162.8 244.2

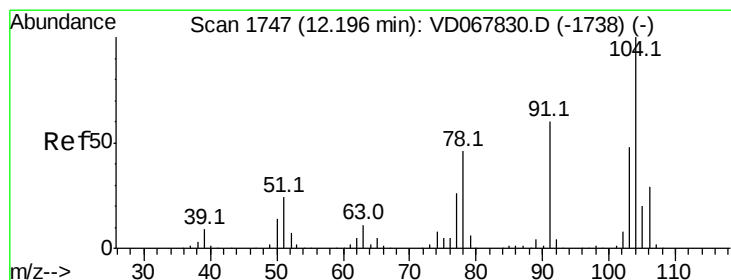
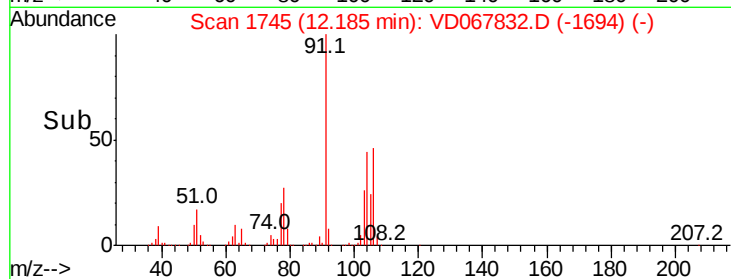
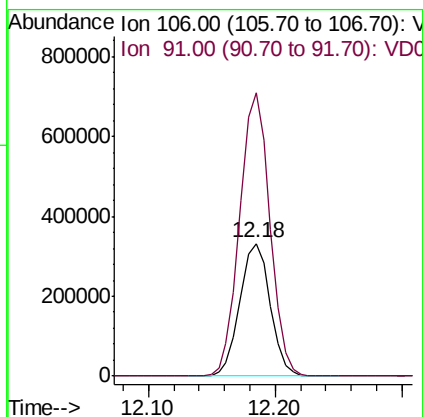
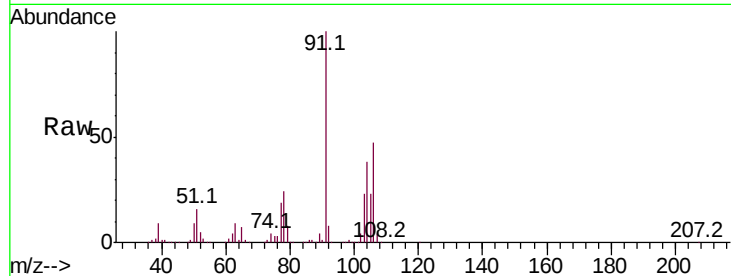




#69
o-Xylene
Concen: 150.289 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067832.D
Acq: 01 Dec 2020 12:49

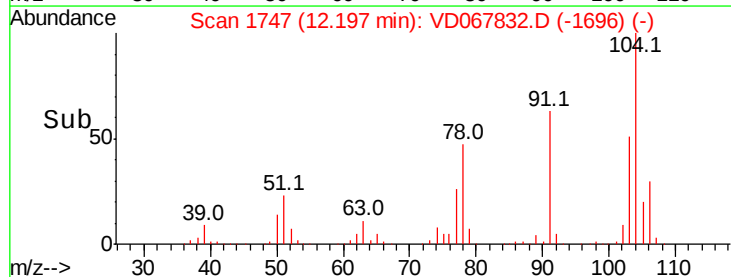
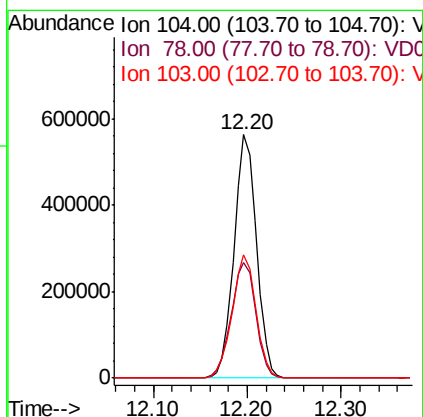
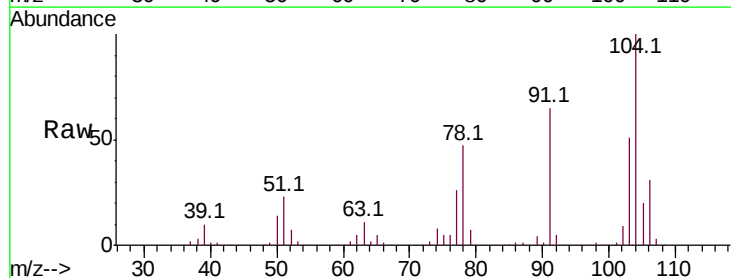
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

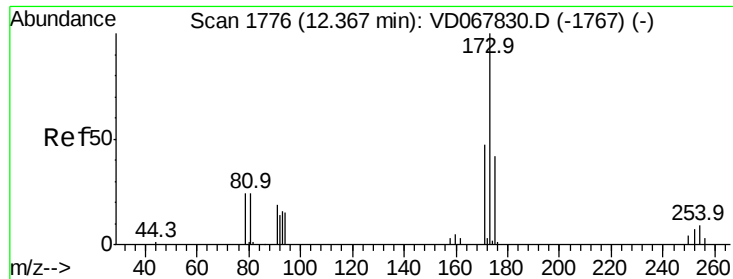
Tot Ion:106 Resp: 552141
Ion Ratio Lower Upper
106 100
91 212.8 107.5 322.5



#70
Styrene
Concen: 146.264 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD067832.D
Acq: 01 Dec 2020 12:49

Tgt Ion:104 Resp: 934385
Ion Ratio Lower Upper
104 100
78 52.4 41.6 62.4
103 53.7 43.2 64.8





#71

Bromoform

Concen: 145.765 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.01 min

Lab File: VD067832.D

Acq: 01 Dec 2020 12:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

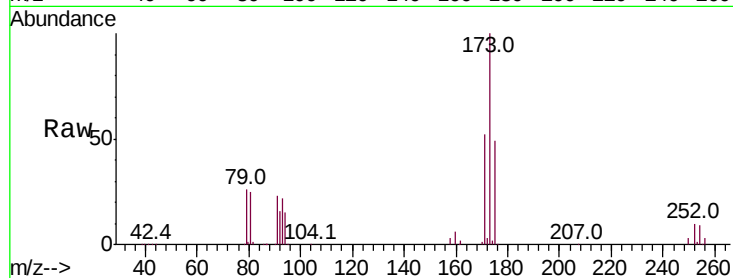
Tot Ion:173 Resp: 193886

Ion Ratio Lower Upper

173 100

175 49.7 23.4 70.3

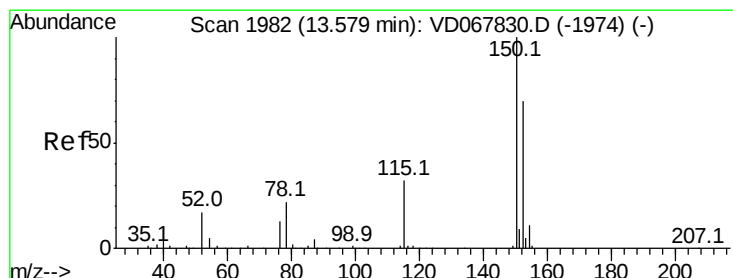
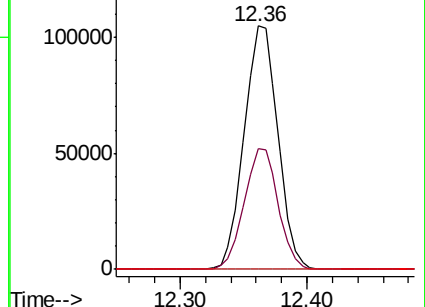
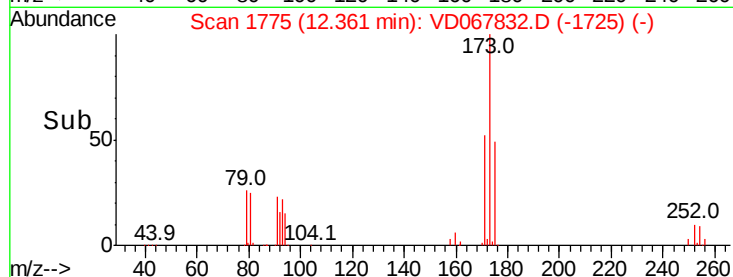
254 0.1 0.1 0.1



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: VD067832.D

Acq: 01 Dec 2020 12:49

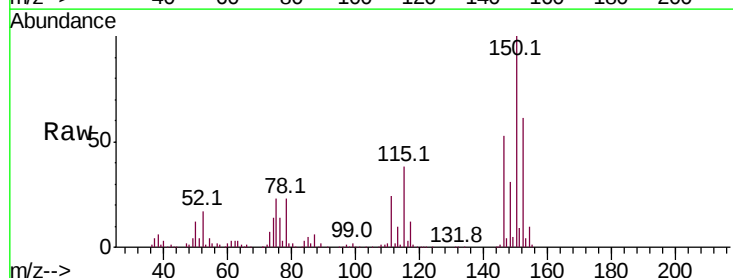
Tgt Ion:152 Resp: 149288

Ion Ratio Lower Upper

152 100

115 59.4 29.1 87.4

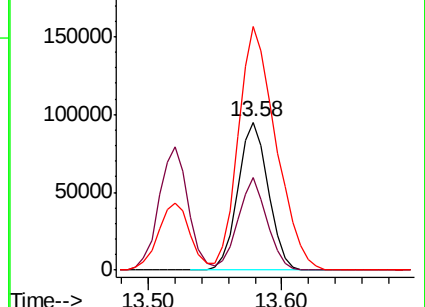
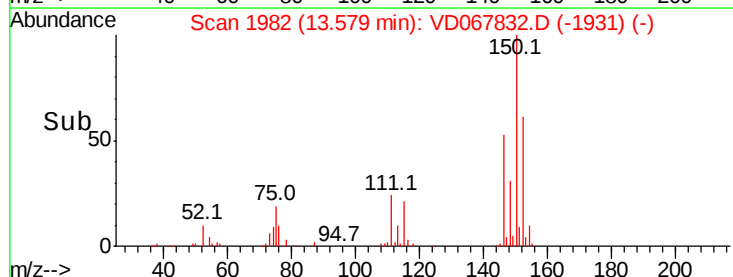
150 204.4 0.0 339.0

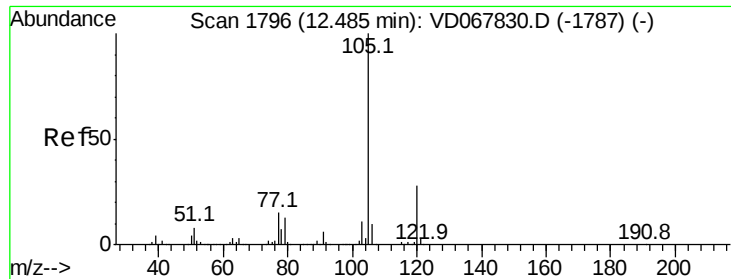


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 150.999 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD067832.D

Acq: 01 Dec 2020 12:49

Instrument :

MSVOA_D

ClientSampleId :

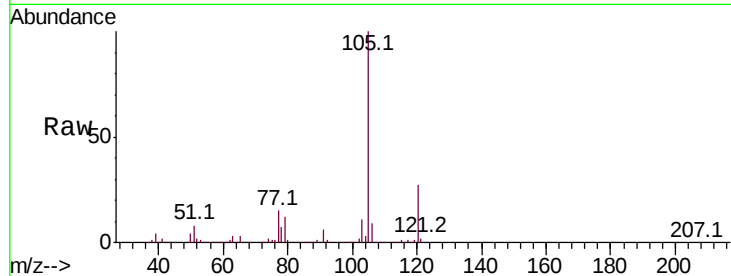
VSTDIC150

Tot Ion:105 Resp: 1550233

Ion Ratio Lower Upper

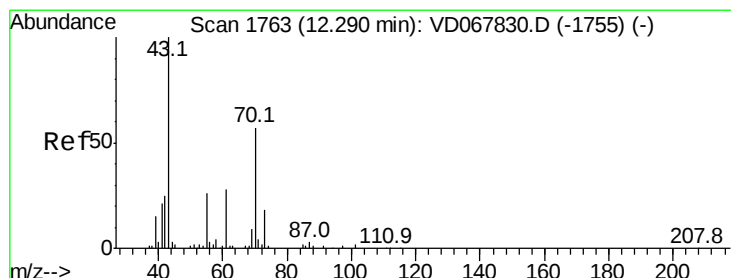
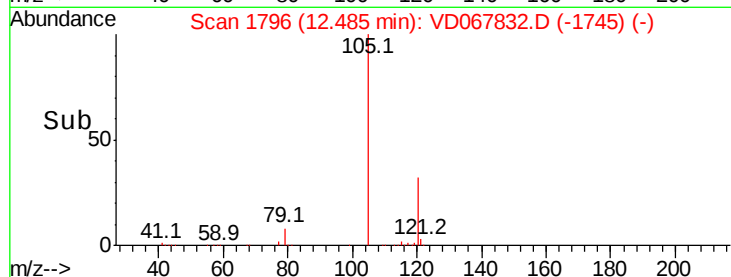
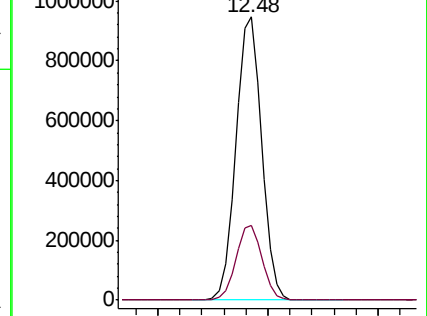
105 100

120 26.6 13.9 41.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 156.826 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD067832.D

Acq: 01 Dec 2020 12:49

Tgt Ion: 43 Resp: 199156

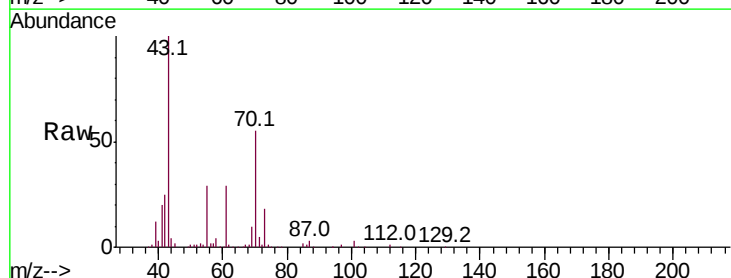
Ion Ratio Lower Upper

43 100

70 53.4 44.6 66.8

55 28.5 22.2 33.2

61 28.1 22.7 34.1

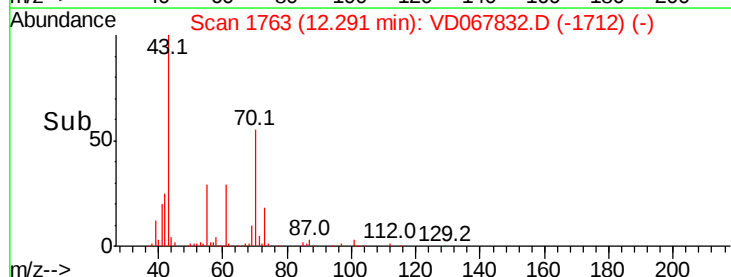
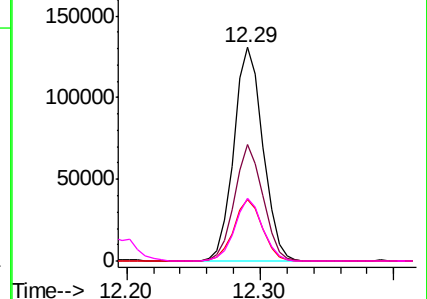


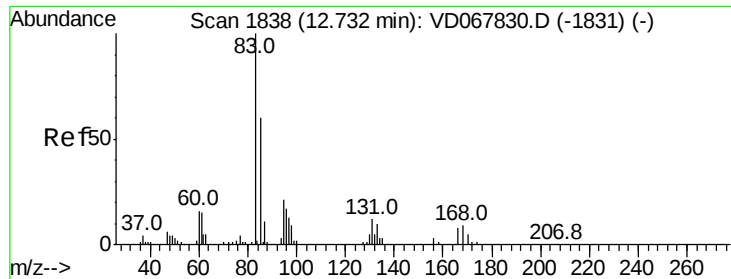
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 143.760 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VD067832.D

Acq: 01 Dec 2020 12:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

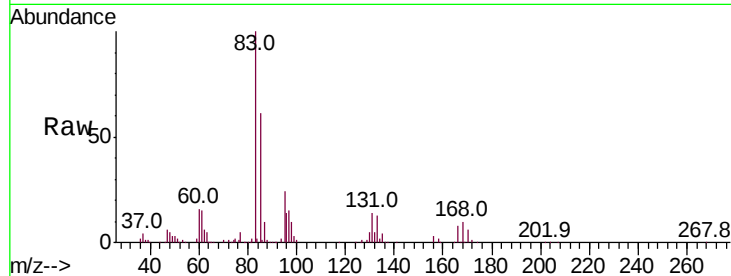
Tot Ion: 83 Resp: 194856

Ion Ratio Lower Upper

83 100

131 15.4 8.0 24.0

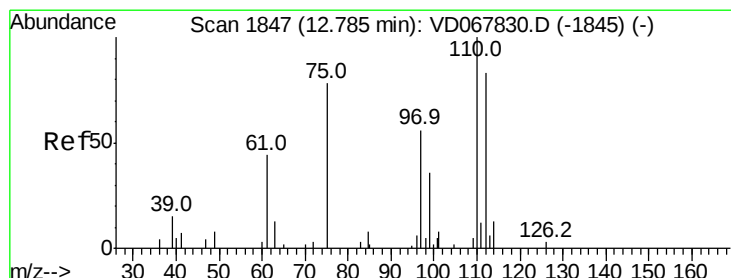
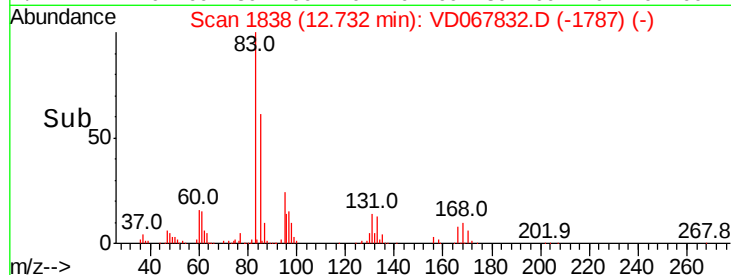
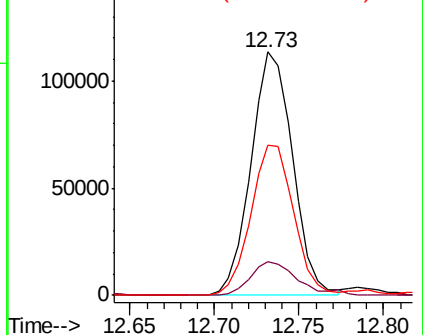
85 63.3 31.7 95.1



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 257.955 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. 0.00 min

Lab File: VD067832.D

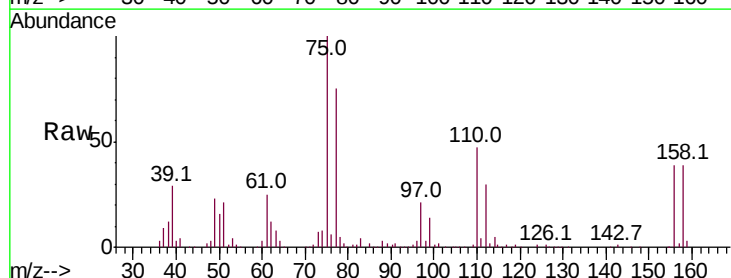
Acq: 01 Dec 2020 12:49

Tgt Ion: 75 Resp: 286386

Ion Ratio Lower Upper

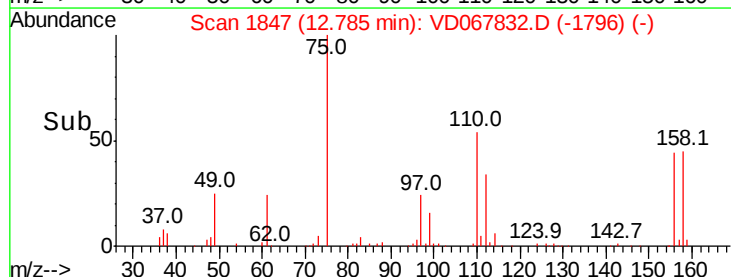
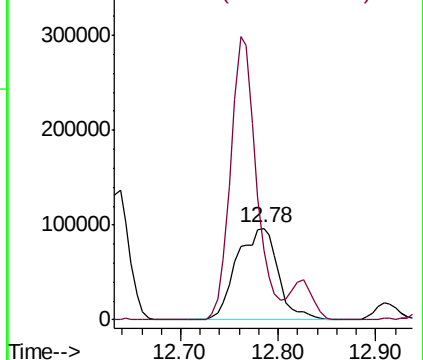
75 100

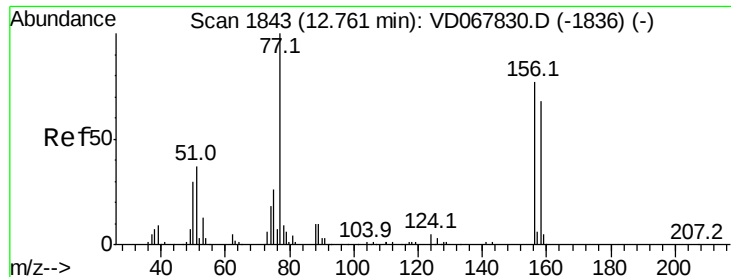
77 0.0 175.9 527.7#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 145.726 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VD067832.D

Acq: 01 Dec 2020 12:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

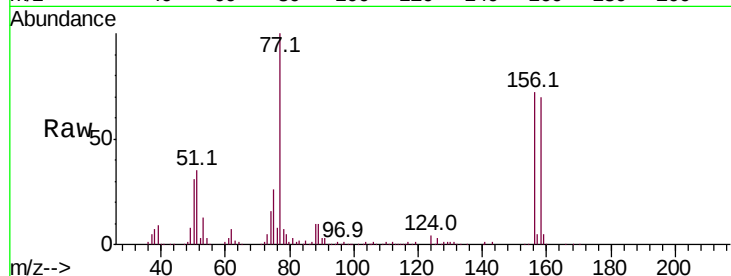
Tot Ion:156 Resp: 371941

Ion Ratio Lower Upper

156 100

77 147.6 71.5 214.5

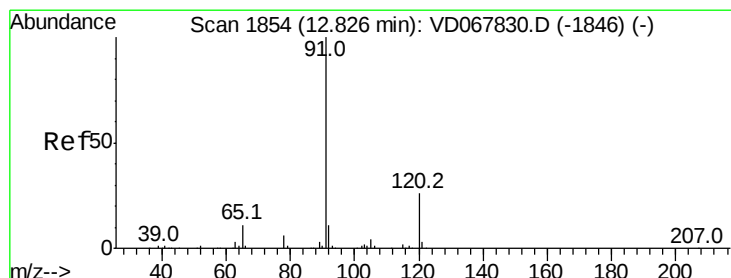
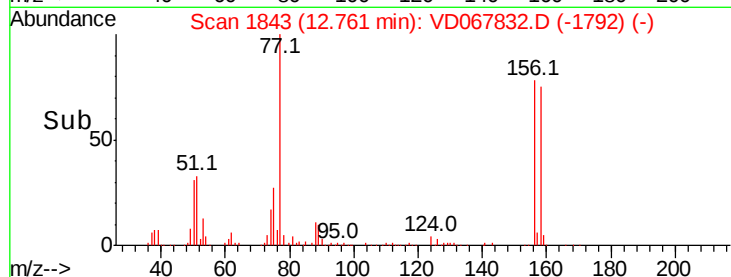
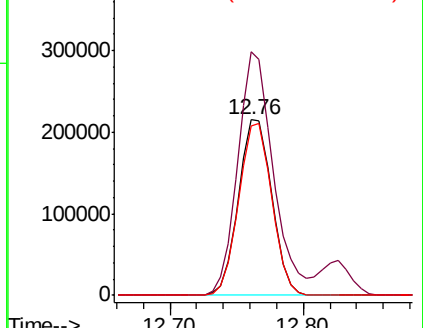
158 97.3 47.1 141.4



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: 148.002 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD067832.D

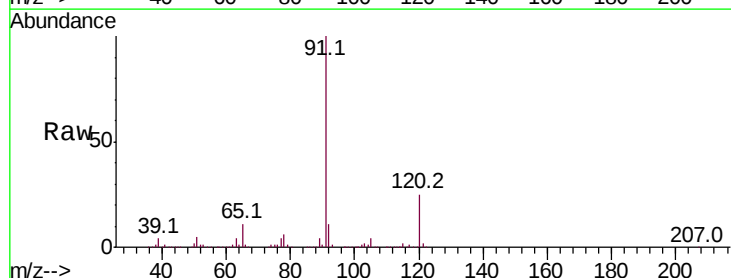
Acq: 01 Dec 2020 12:49

Tgt Ion: 91 Resp: 1684092

Ion Ratio Lower Upper

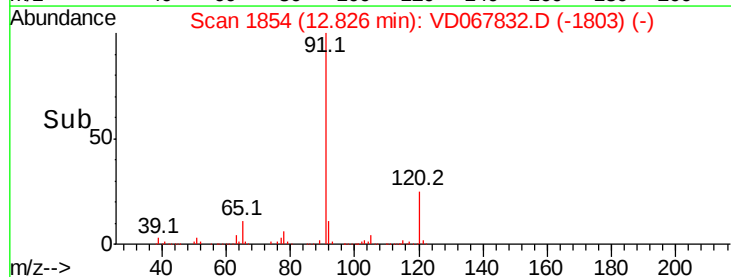
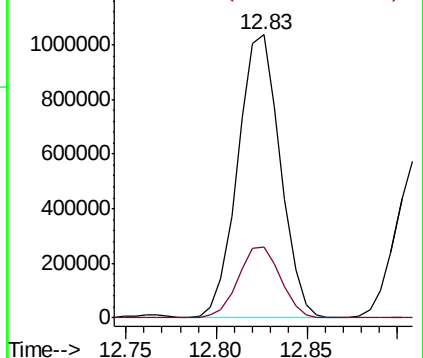
91 100

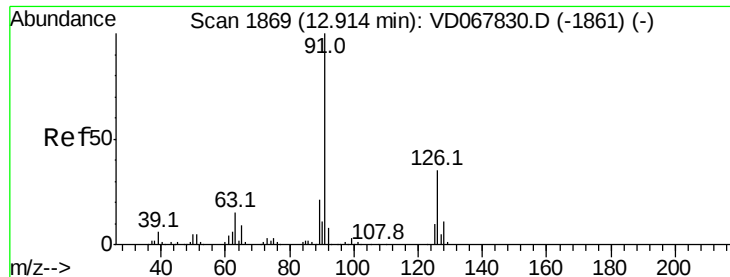
120 25.1 12.7 38.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

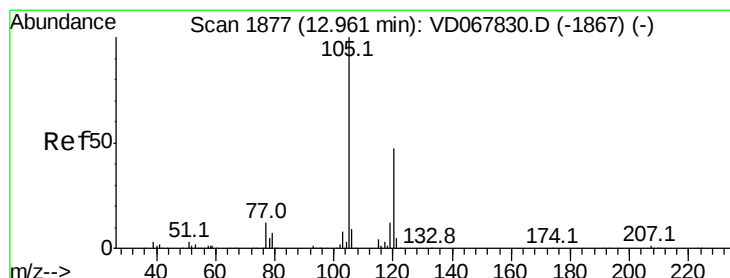
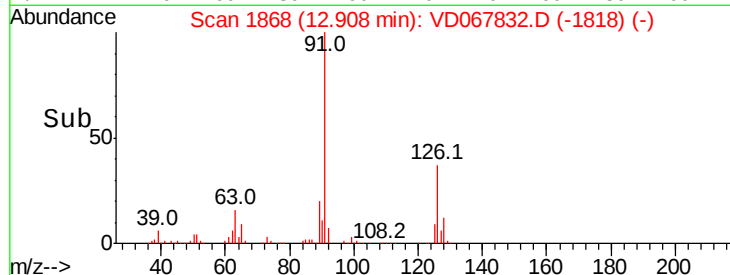
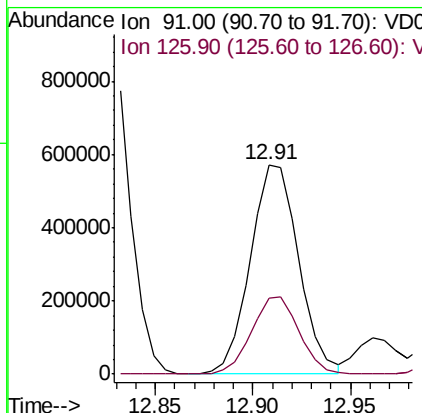
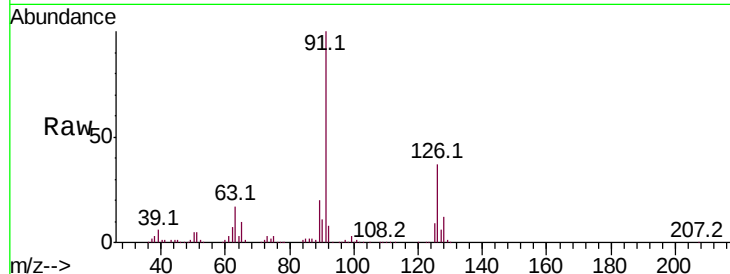




#79
 2-Chlorotoluene
 Concen: 146.326 ug/l
 RT: 12.91 min Scan# 1868
 Delta R.T. -0.01 min
 Lab File: VD067832.D
 Acq: 01 Dec 2020 12:49

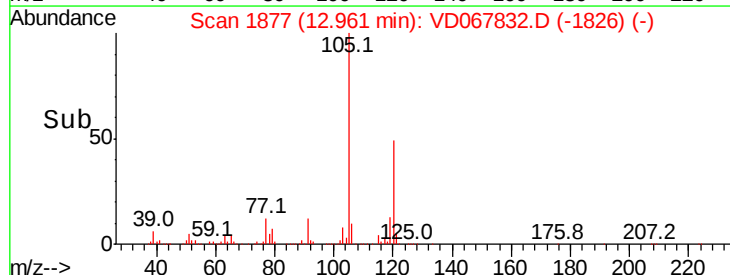
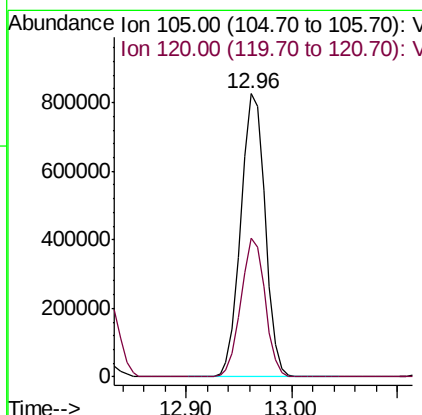
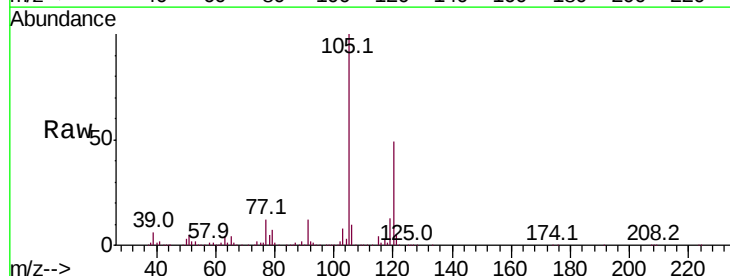
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

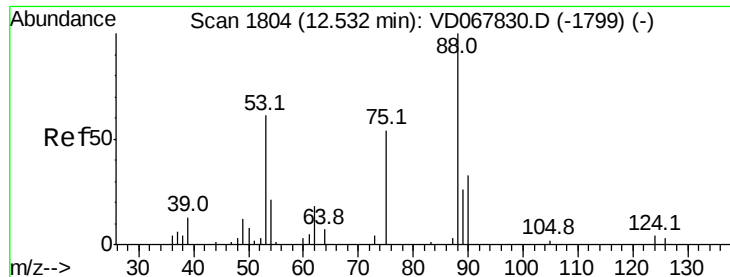
Tot Ion: 91 Resp: 979523
 Ion Ratio Lower Upper
 91 100
 126 36.4 17.9 53.7



#80
 1,3,5-Trimethylbenzene
 Concen: 148.438 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VD067832.D
 Acq: 01 Dec 2020 12:49

Tgt Ion:105 Resp: 1319428
 Ion Ratio Lower Upper
 105 100
 120 48.5 24.3 72.9





#81

trans-1,4-Dichloro-2-butene

Concen: 149.282 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD067832.D

Acq: 01 Dec 2020 12:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

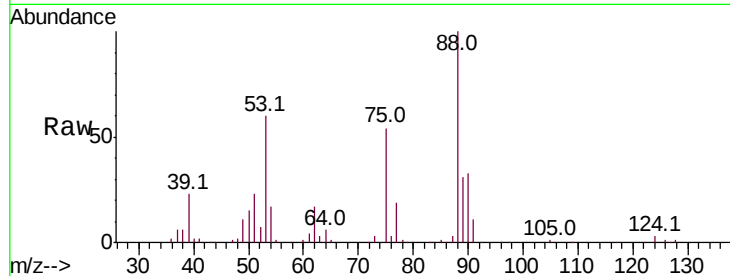
Tot Ion: 75 Resp: 67846

Ion Ratio Lower Upper

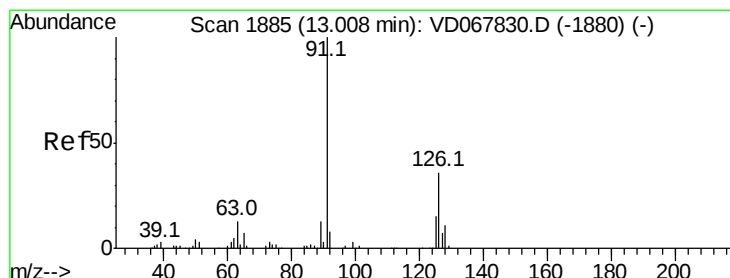
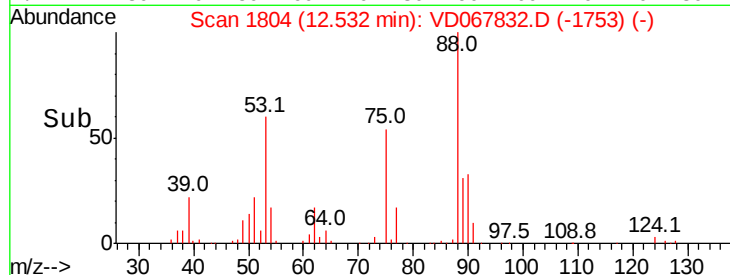
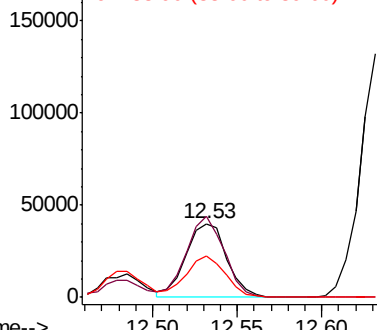
75 100

53 100.2 84.6 127.0

89 54.4 41.0 61.6



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 144.455 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VD067832.D

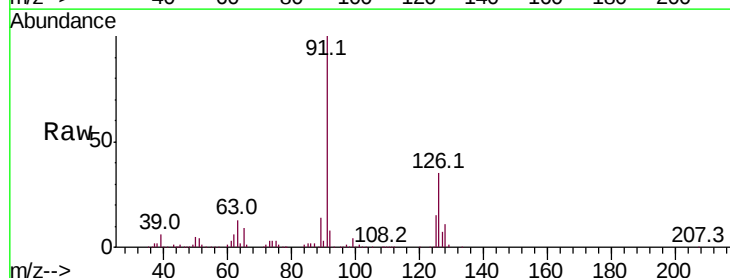
Acq: 01 Dec 2020 12:49

Tgt Ion: 91 Resp: 1031519

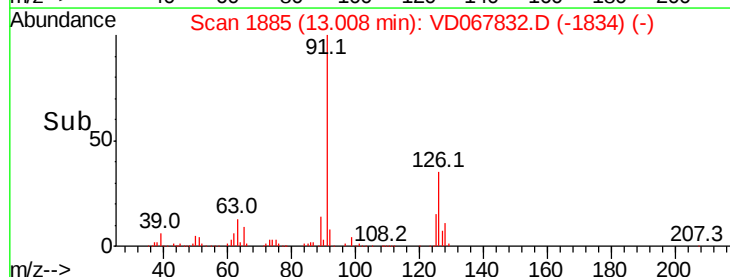
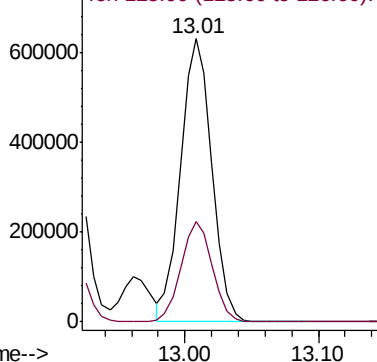
Ion Ratio Lower Upper

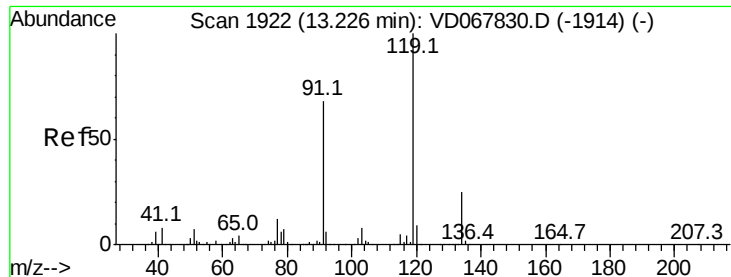
91 100

126 35.6 18.1 54.4



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

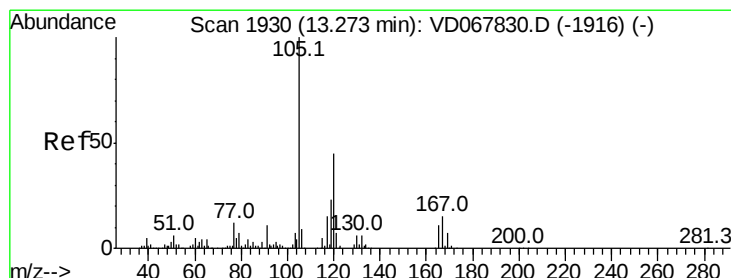
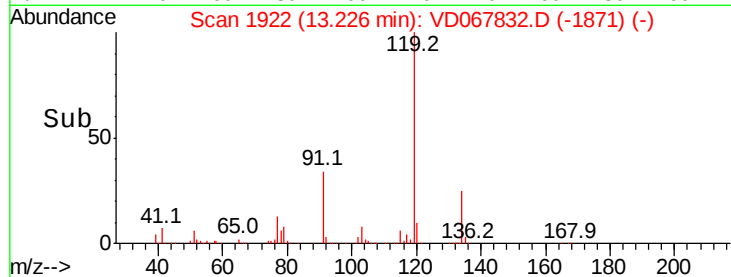
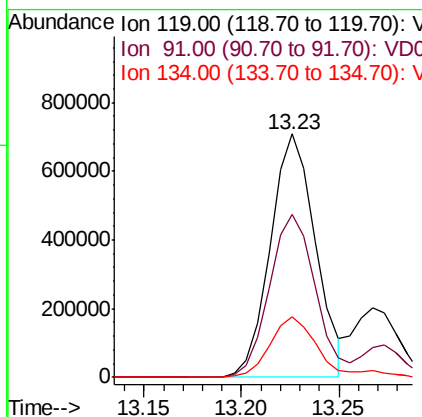
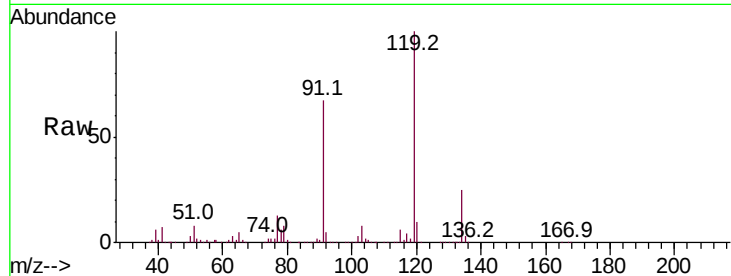




#83
tert-Butylbenzene
Concen: 150.215 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD067832.D
Acq: 01 Dec 2020 12:49

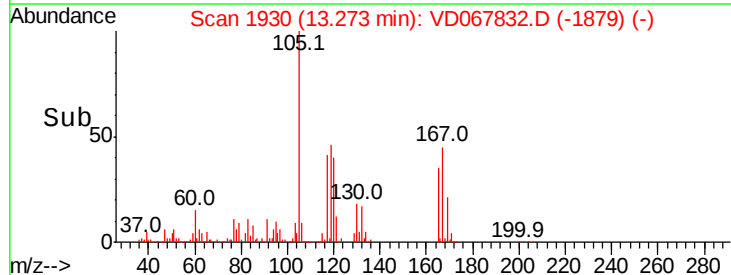
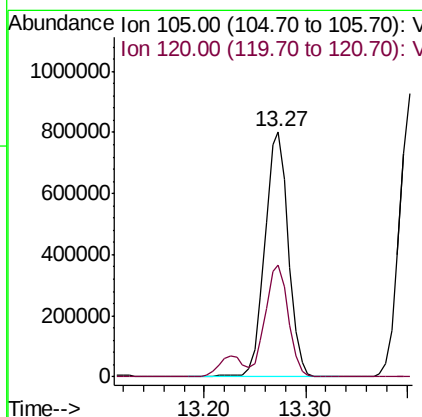
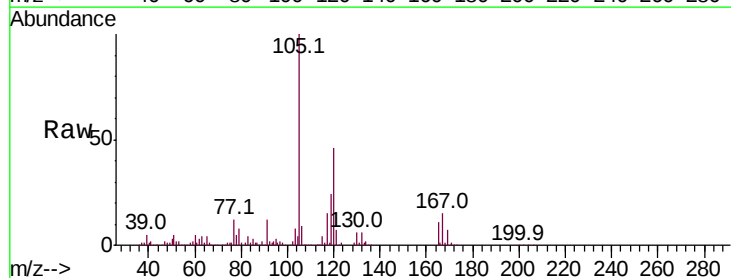
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

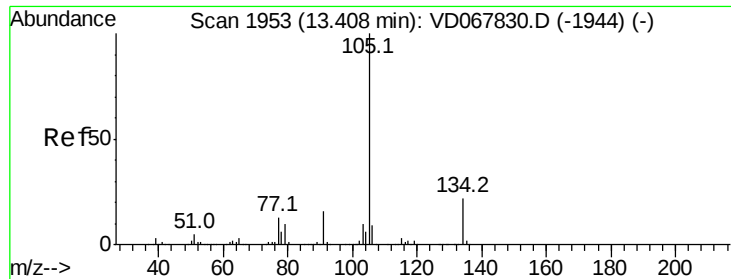
Tot Ion:119 Resp: 1136228
Ion Ratio Lower Upper
119 100
91 68.5 33.1 99.3
134 27.2 13.6 40.8



#84
1,2,4-Trimethylbenzene
Concen: 147.692 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067832.D
Acq: 01 Dec 2020 12:49

Tgt Ion:105 Resp: 1305442
Ion Ratio Lower Upper
105 100
120 44.8 22.1 66.5





#85

sec-Butylbenzene

Concen: 149.094 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.01 min

Lab File: VD067832.D

Acq: 01 Dec 2020 12:49

Instrument :

MSVOA_D

ClientSampleId :

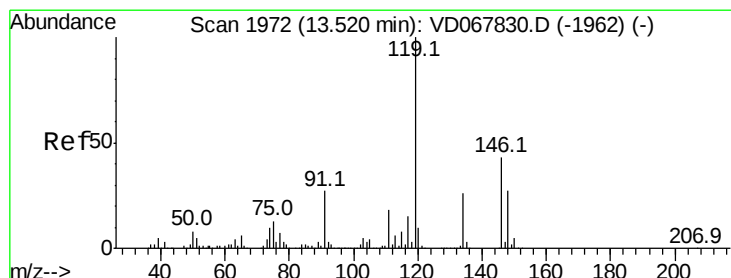
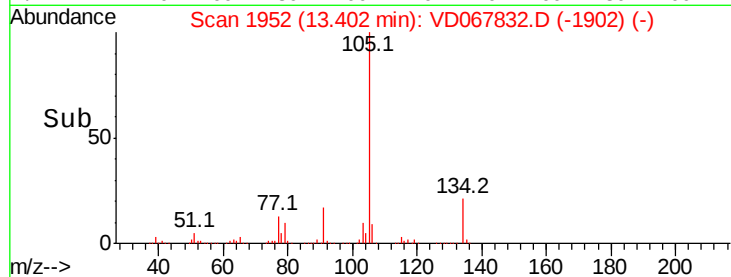
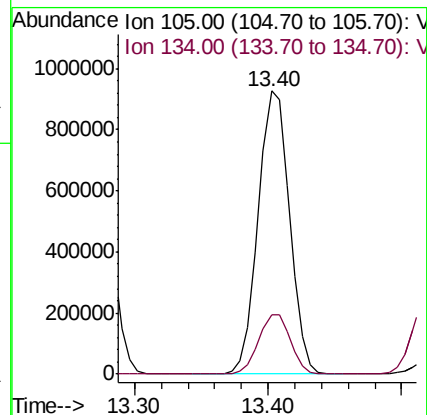
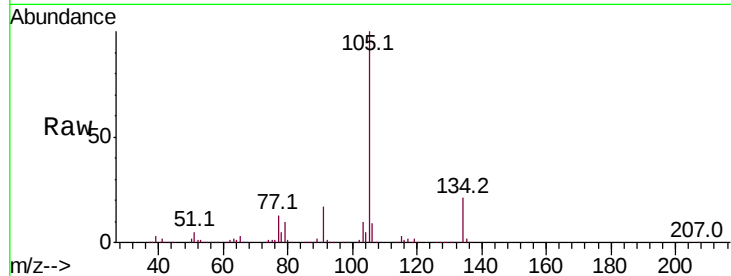
VSTDIC150

Tot Ion:105 Resp: 1505196

Ion Ratio Lower Upper

105 100

134 21.4 10.9 32.9



#86

p-Isopropyltoluene

Concen: 146.426 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD067832.D

Acq: 01 Dec 2020 12:49

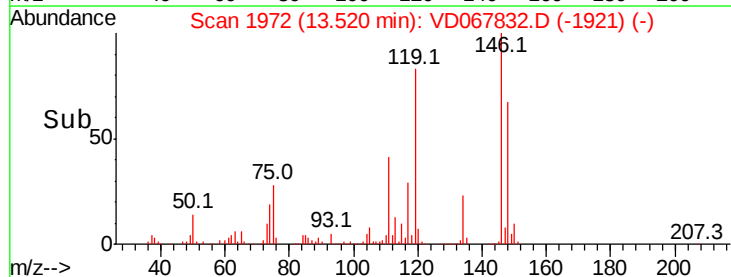
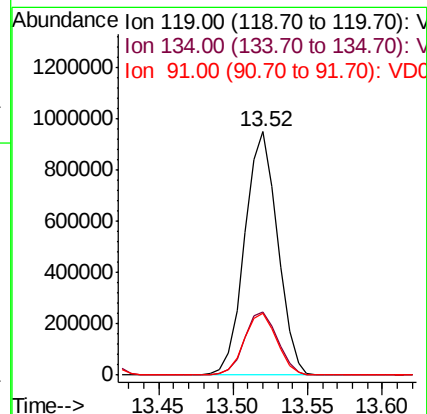
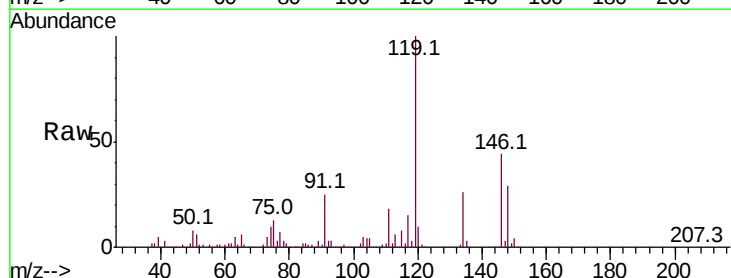
Tgt Ion:119 Resp: 1448805

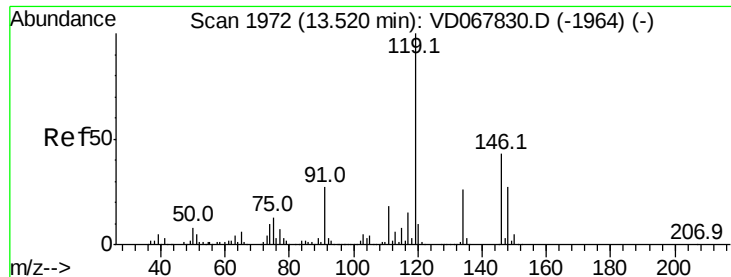
Ion Ratio Lower Upper

119 100

134 26.3 13.1 39.3

91 25.4 12.8 38.3

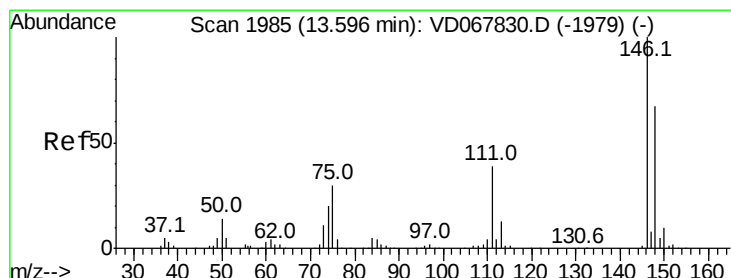
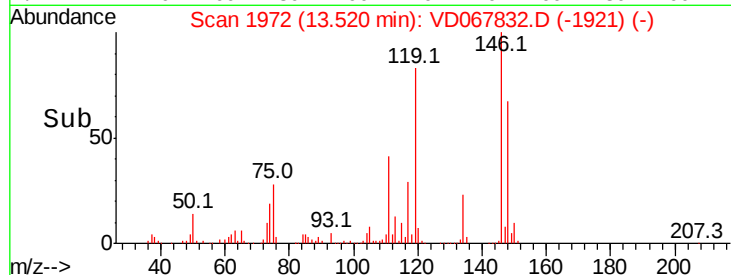
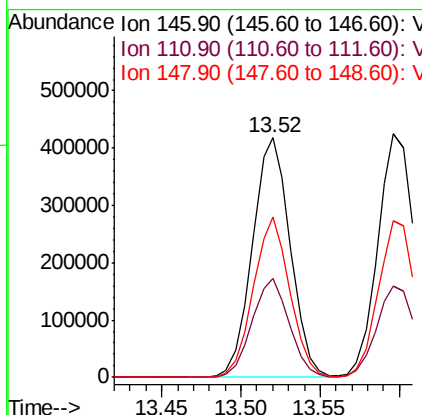
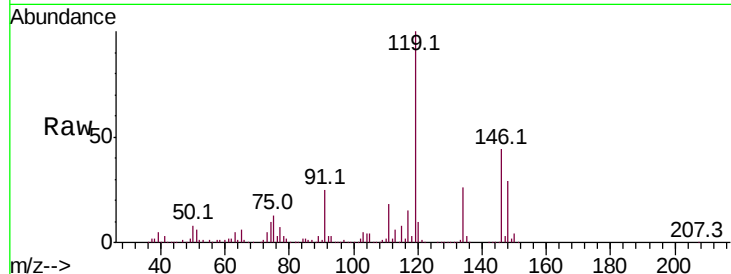




#87
 1,3-Dichlorobenzene
 Concen: 140.743 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD067832.D
 Acq: 01 Dec 2020 12:49

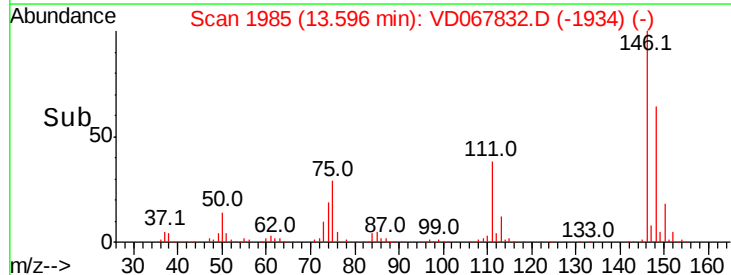
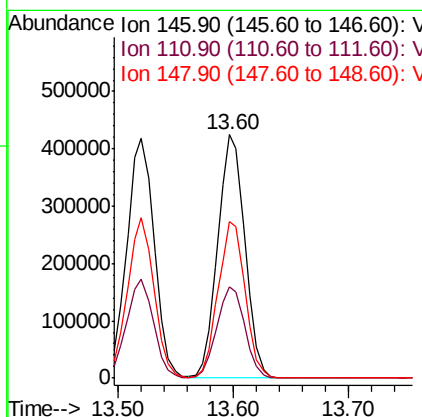
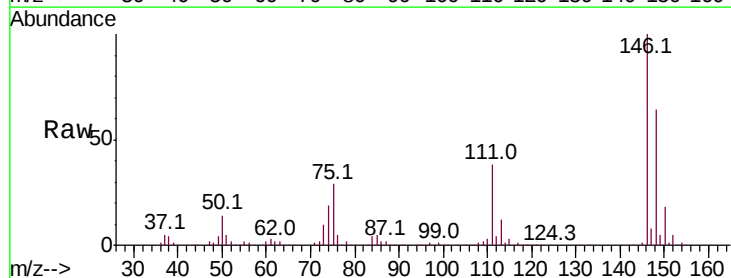
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

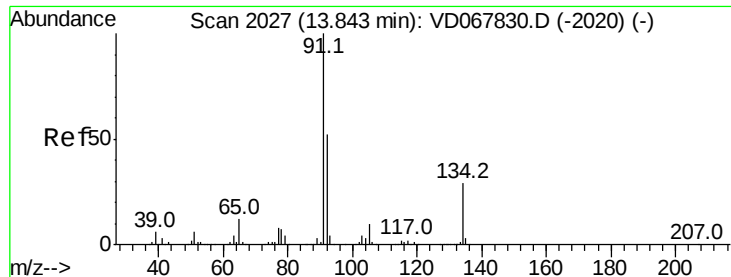
Tot Ion:146 Resp: 692941
 Ion Ratio Lower Upper
 146 100
 111 40.5 20.8 62.2
 148 64.4 32.9 98.6



#88
 1,4-Dichlorobenzene
 Concen: 140.363 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. 0.00 min
 Lab File: VD067832.D
 Acq: 01 Dec 2020 12:49

Tgt Ion:146 Resp: 691369
 Ion Ratio Lower Upper
 146 100
 111 38.2 19.9 59.6
 148 63.7 32.4 97.2

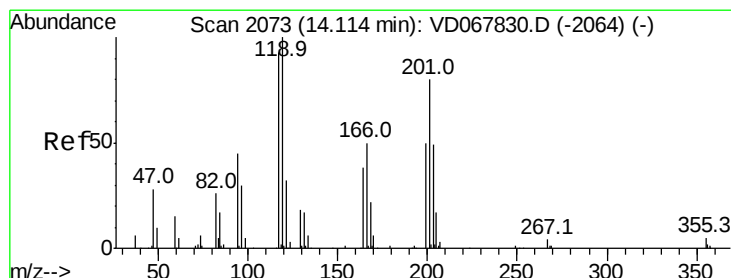
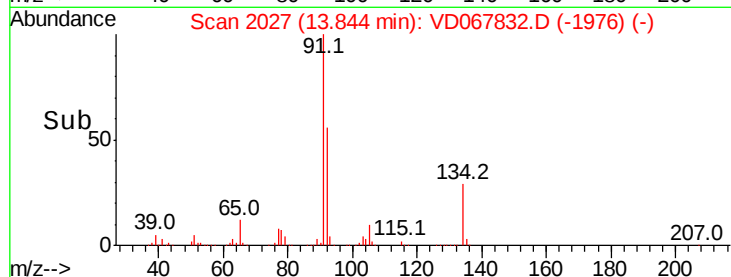
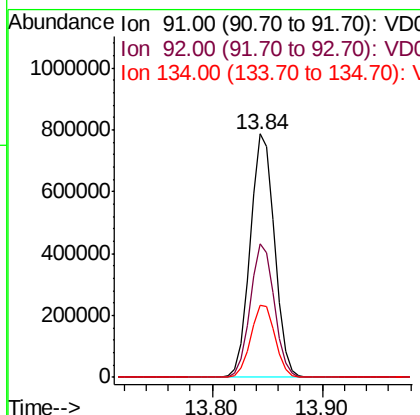
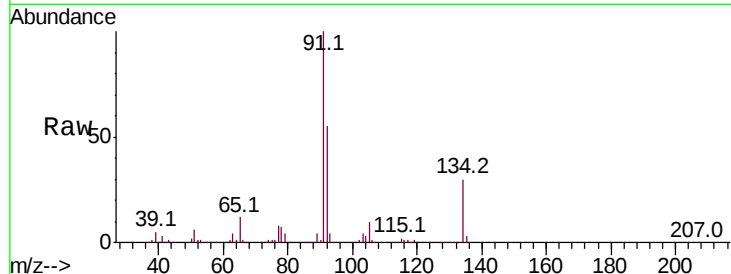




#89
n-Butylbenzene
Concen: 147.935 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. 0.00 min
Lab File: VD067832.D
Acq: 01 Dec 2020 12:49

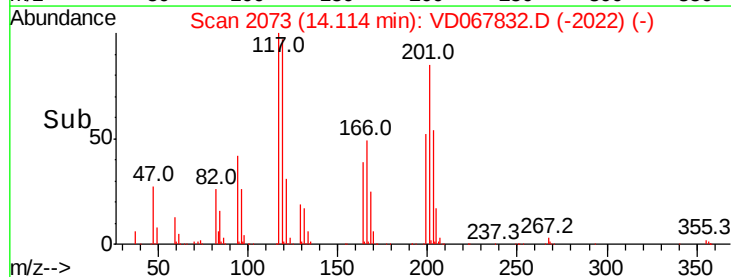
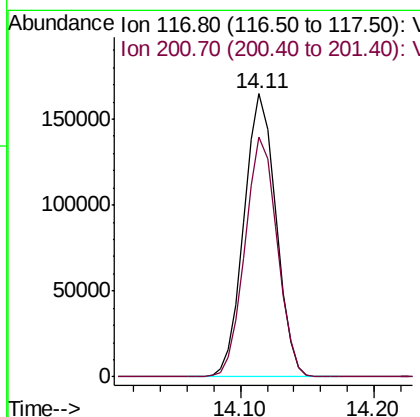
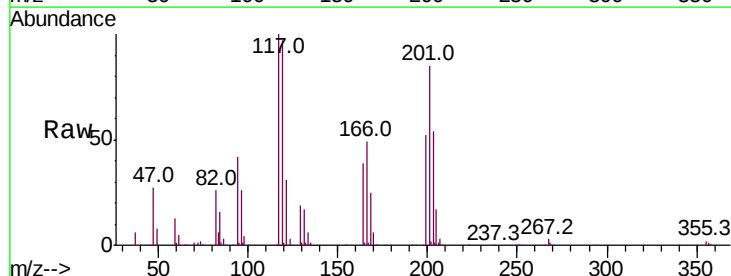
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

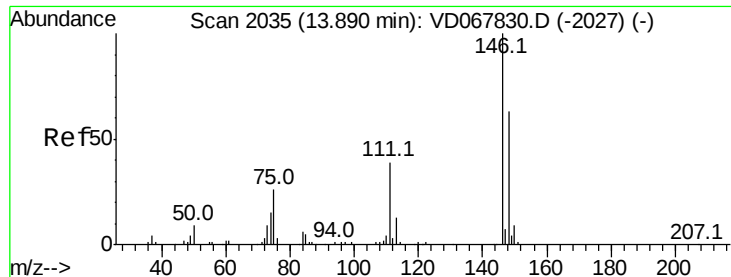
Tot Ion: 91 Resp: 1216055
Ion Ratio Lower Upper
91 100
92 54.2 26.3 78.8
134 29.8 14.8 44.3



#90
Hexachloroethane
Concen: 149.705 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD067832.D
Acq: 01 Dec 2020 12:49

Tgt Ion: 117 Resp: 273471
Ion Ratio Lower Upper
117 100
201 84.9 43.9 131.6





#91

1,2-Dichlorobenzene

Concen: 141.470 ug/l

RT: 13.89 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VD067832.D

Acq: 01 Dec 2020 12:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

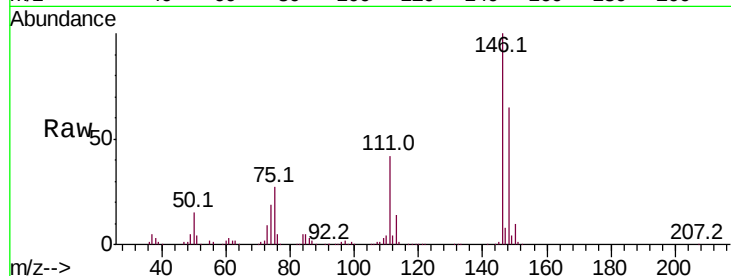
Tot Ion:146 Resp: 604094

Ion Ratio Lower Upper

146 100

111 41.7 20.4 61.2

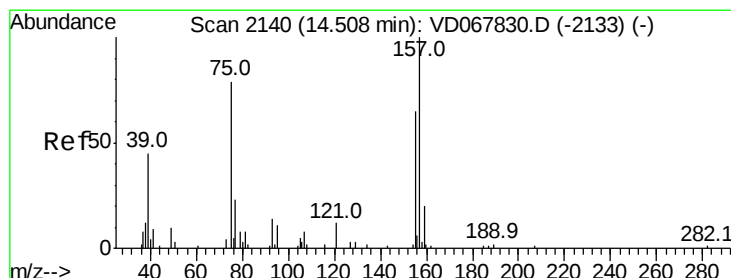
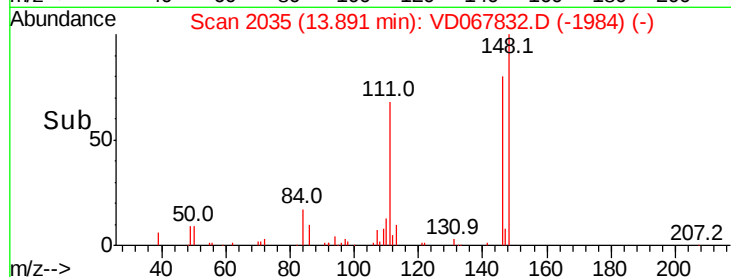
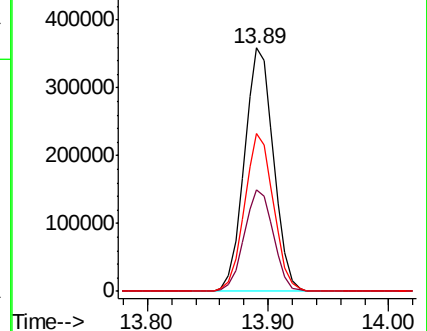
148 64.3 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 143.002 ug/l

RT: 14.51 min Scan# 2140

Delta R.T. 0.00 min

Lab File: VD067832.D

Acq: 01 Dec 2020 12:49

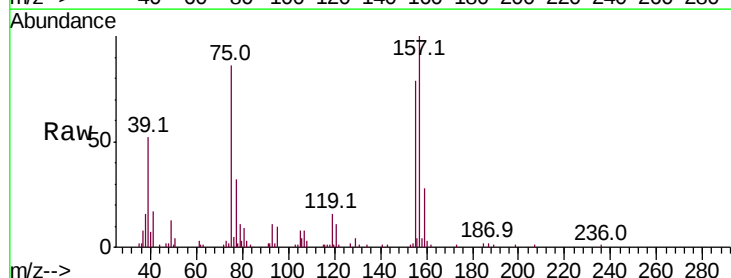
Tgt Ion: 75 Resp: 40452

Ion Ratio Lower Upper

75 100

155 90.9 44.1 132.4

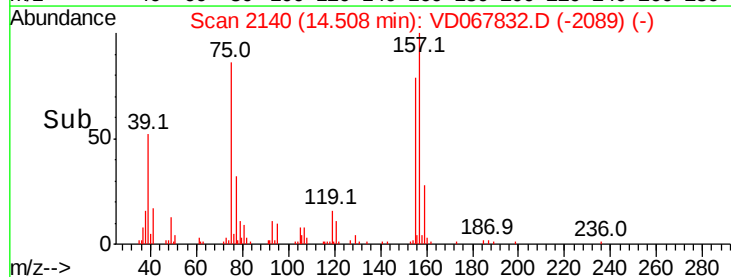
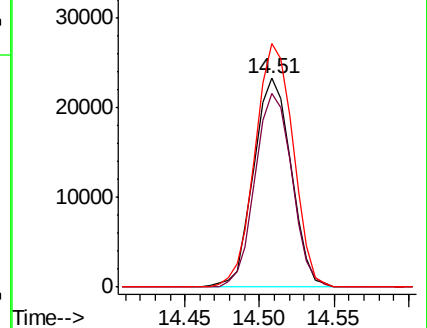
157 118.5 62.4 187.2

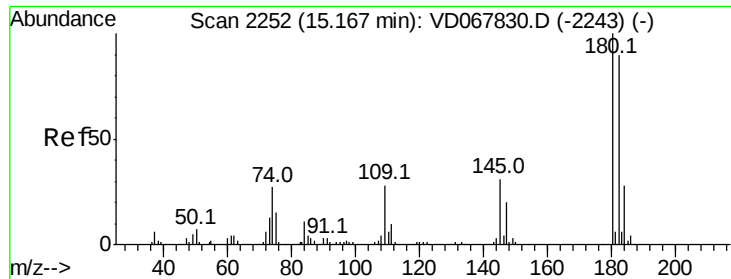


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

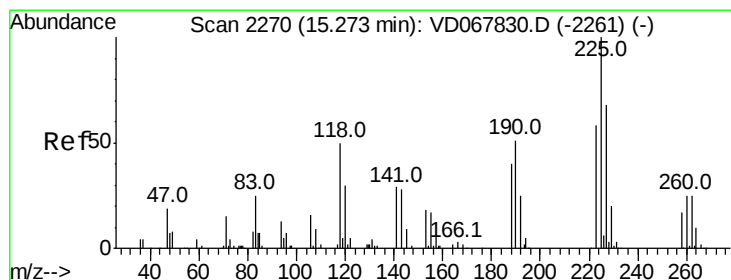
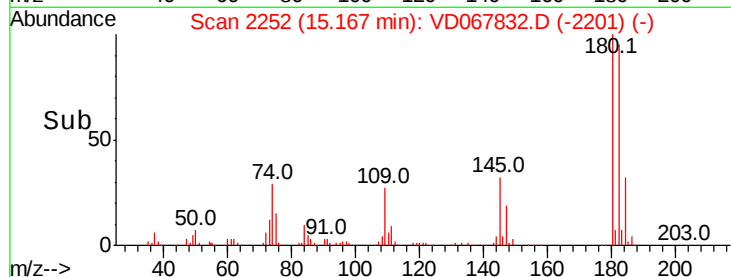
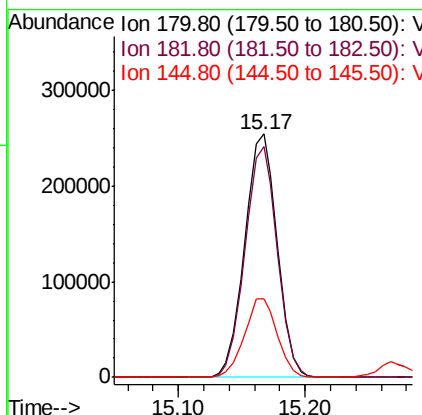
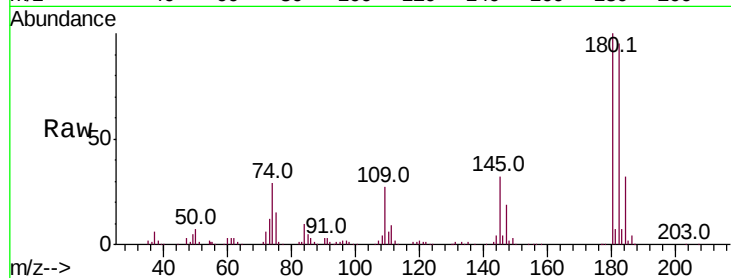




#93
 1,2,4-Trichlorobenzene
 Concen: 151.389 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD067832.D
 Acq: 01 Dec 2020 12:49

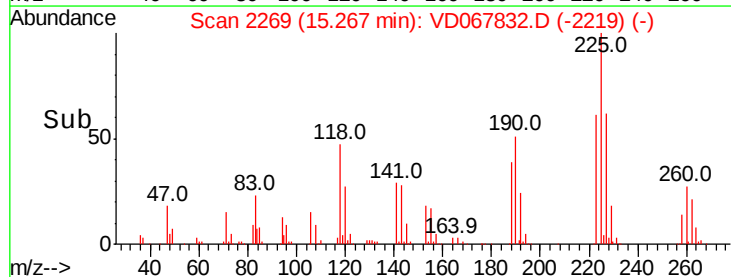
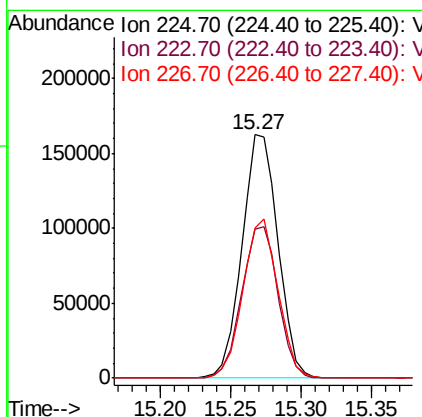
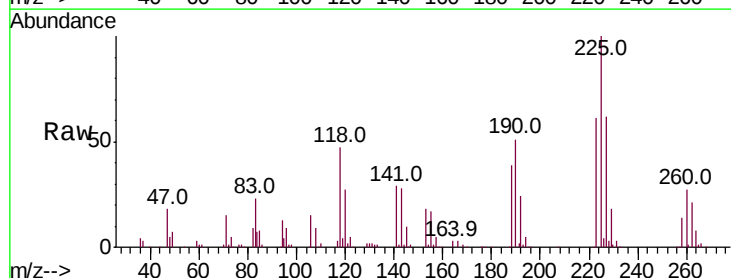
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

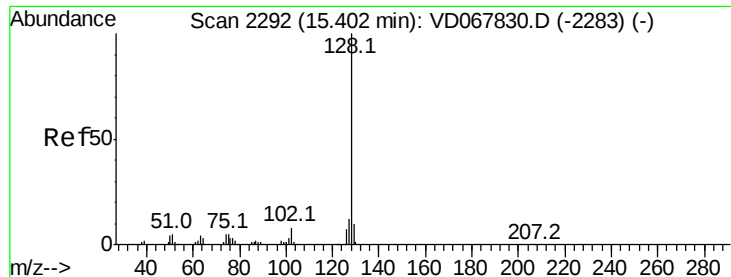
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.5	142.6
145	32.6	16.4	49.4



#94
 Hexachlorobutadiene
 Concen: 149.015 ug/l
 RT: 15.27 min Scan# 2269
 Delta R.T. -0.01 min
 Lab File: VD067832.D
 Acq: 01 Dec 2020 12:49

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	31.1	93.3
227	63.5	33.1	99.3





#95

Naphthalene

Concen: 158.790 ug/l

RT: 15.40 min Scan# 2292

Delta R.T. 0.00 min

Lab File: VD067832.D

Acq: 01 Dec 2020 12:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

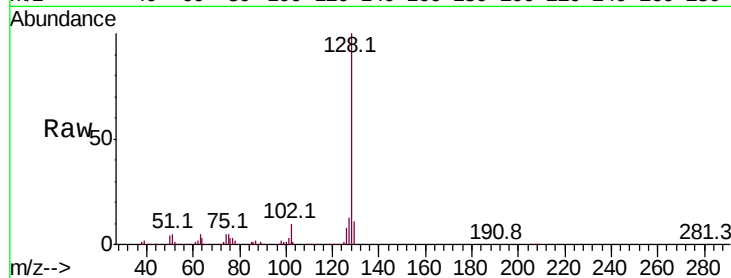
Tot Ion:128 Resp: 771781

Ion Ratio Lower Upper

128 100

127 13.2 10.6 15.8

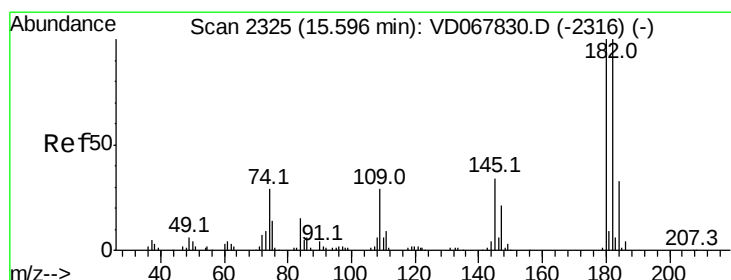
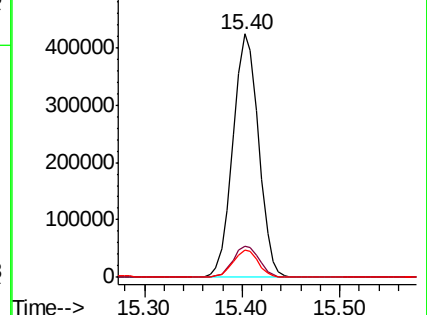
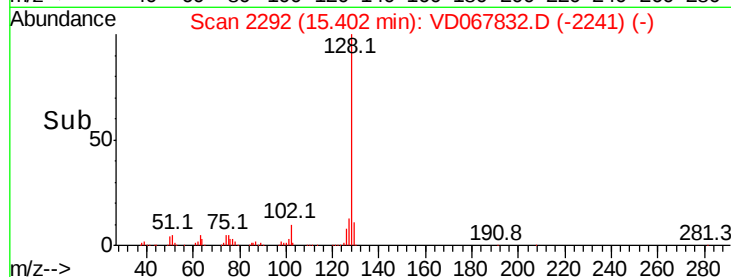
129 11.0 9.0 13.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 150.462 ug/l

RT: 15.60 min Scan# 2325

Delta R.T. 0.00 min

Lab File: VD067832.D

Acq: 01 Dec 2020 12:49

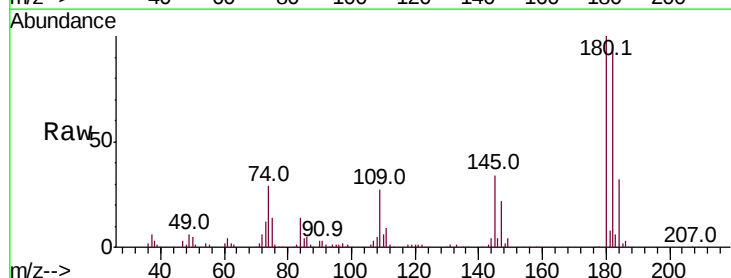
Tgt Ion:180 Resp: 388113

Ion Ratio Lower Upper

180 100

182 95.4 47.3 142.0

145 34.1 16.8 50.4



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

