

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120120\
 Data File : VD067831.D
 Acq On : 01 Dec 2020 12:22
 Operator : VA/SY
 Sample : VSTDICC100
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Quant Time: Dec 02 03:49:32 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	7.98	168	240085	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	336834	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	306978	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	154732	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	246859	95.78	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	191.56%#
35) Dibromofluoromethane	7.92	113	223131	99.00	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	198.00%#
50) Toluene-d8	10.34	98	810908	99.94	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	199.88%#
62) 4-Bromofluorobenzene	12.64	95	279689	99.71	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	199.42%#

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.99	85	203641	97.464	ug/l 96
3) Chloromethane	2.21	50	114668	95.095	ug/l 97
4) Vinyl Chloride	2.35	62	146535	96.490	ug/l 97
5) Bromomethane	2.76	94	125134	92.302	ug/l 97
6) Chloroethane	2.92	64	97295	98.400	ug/l 99
7) Trichlorofluoromethane	3.27	101	432882	93.152	ug/l 98
8) Diethyl Ether	3.71	74	86300	95.281	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	4.10	101	202907	95.753	ug/l 99
10) Methyl Iodide	4.30	142	250400	111.482	ug/l 98
11) Tert butyl alcohol	5.23	59	56407	282.743	ug/l 100
12) 1,1-Dichloroethene	4.07	96	190251	95.630	ug/l 97
13) Acrolein	3.93	56	49155	549.895	ug/l 94
14) Allyl chloride	4.72	41	188553	102.449	ug/l 98
15) Acrylonitrile	5.42	53	148276	472.124	ug/l 98
16) Acetone	4.16	43	149076	473.146	ug/l 94
17) Carbon Disulfide	4.41	76	529526	95.332	ug/l 97
18) Methyl Acetate	4.72	43	56073	86.551	ug/l 95
19) Methyl tert-butyl Ether	5.48	73	435838	102.309	ug/l 96
20) Methylene Chloride	4.97	84	194279	80.311	ug/l 96
21) trans-1,2-Dichloroethene	5.47	96	213284	94.213	ug/l 98
22) Diisopropyl ether	6.37	45	350239	94.617	ug/l 96
23) Vinyl Acetate	6.31	43	1087140	527.922	ug/l 98
24) 1,1-Dichloroethane	6.27	63	305431	94.128	ug/l 98
25) 2-Butanone	7.21	43	160484	479.073	ug/l 98
26) 2,2-Dichloropropane	7.21	77	371467	96.002	ug/l 99
27) cis-1,2-Dichloroethene	7.21	96	236494	95.509	ug/l 98
28) Bromochloromethane	7.56	49	103322	100.290	ug/l 97
29) Tetrahydrofuran	7.57	42	93446	532.895	ug/l 99
30) Chloroform	7.71	83	401571	92.605	ug/l 100
31) Cyclohexane	7.98	56	241618	88.979	ug/l 98
32) 1,1,1-Trichloroethane	7.91	97	434498	94.920	ug/l 99
36) 1,1-Dichloropropene	8.11	75	286468	98.242	ug/l 99
37) Ethyl Acetate	7.29	43	74007	108.691	ug/l 97
38) Carbon Tetrachloride	8.10	117	424270	96.164	ug/l 98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	343561	99.423	ug/l	97
40) Benzene	8.36	78	756812	94.852	ug/l	98
41) Methacrylonitrile	7.57	41	106890	279.739	ug/l #	30
42) 1,2-Dichloroethane	8.43	62	274083	96.382	ug/l	100
43) Isopropyl Acetate	8.46	43	153335	99.160	ug/l	99
44) Trichloroethene	9.11	130	261878	95.463	ug/l	99
45) 1,2-Dichloropropane	9.39	63	158414	96.735	ug/l	93
46) Dibromomethane	9.48	93	110656	97.187	ug/l	98
47) Bromodichloromethane	9.67	83	308708	95.105	ug/l	98
48) Methyl methacrylate	9.46	41	80704	102.781	ug/l	94
49) 1,4-Dioxane	9.47	88	23616	1815.194	ug/l	93
51) 4-Methyl-2-Pentanone	10.23	43	356248	486.770	ug/l	100
52) Toluene	10.41	92	533792	95.688	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	273842	97.743	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	301751	99.017	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	144702	92.866	ug/l	98
56) Ethyl methacrylate	10.67	69	158013	99.670	ug/l	99
57) 1,3-Dichloropropane	10.95	76	228838	92.713	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	381160	528.364	ug/l	99
59) 2-Hexanone	10.99	43	252783	489.963	ug/l	100
60) Dibromochloromethane	11.14	129	225885	96.169	ug/l	99
61) 1,2-Dibromoethane	11.25	107	145196	94.757	ug/l	99
64) Tetrachloroethene	10.88	164	226897	90.615	ug/l	95
65) Chlorobenzene	11.67	112	597523	94.334	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	246471	95.403	ug/l	95
67) Ethyl Benzene	11.75	91	1044060	96.760	ug/l	98
68) m/p-Xylenes	11.86	106	816414	191.886	ug/l	99
69) o-Xylene	12.18	106	372958	98.740	ug/l	99
70) Styrene	12.20	104	638406	97.200	ug/l	99
71) Bromoform	12.36	173	130609	95.507	ug/l #	98
73) Isopropylbenzene	12.48	105	1062282	99.830	ug/l	98
74) N-amyl acetate	12.29	43	134642	102.294	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	129400	92.109	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	196658	170.902	ug/l #	1
77) Bromobenzene	12.76	156	257844	97.469	ug/l	97
78) n-propylbenzene	12.83	91	1166364	98.896	ug/l	99
79) 2-Chlorotoluene	12.91	91	680250	98.044	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	921026	99.971	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	46724	99.190	ug/l	99
82) 4-Chlorotoluene	13.01	91	727100	98.241	ug/l	98
83) tert-Butylbenzene	13.23	119	785498	100.193	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	912324	99.585	ug/l	100
85) sec-Butylbenzene	13.40	105	1030364	98.469	ug/l	100
86) p-Isopropyltoluene	13.52	119	1013449	98.822	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	481336	94.324	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	479996	94.021	ug/l	100
89) n-Butylbenzene	13.84	91	846685	99.376	ug/l	99
90) Hexachloroethane	14.11	117	188652	99.639	ug/l	96
91) 1,2-Dichlorobenzene	13.89	146	422044	95.359	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	28722	97.963	ug/l	95

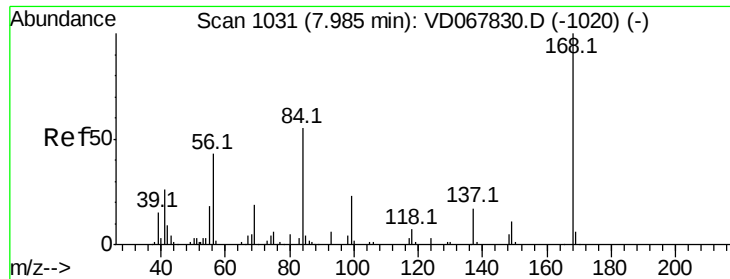
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	314667	101.642	ug/l	100
94) Hexachlorobutadiene	15.27	225	202216	100.100	ug/l	98
95) Naphthalene	15.40	128	528460	104.903	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	268810	100.545	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067831.D

Acq: 01 Dec 2020 12:22

Instrument :

MSVOA_D

ClientSampleId :

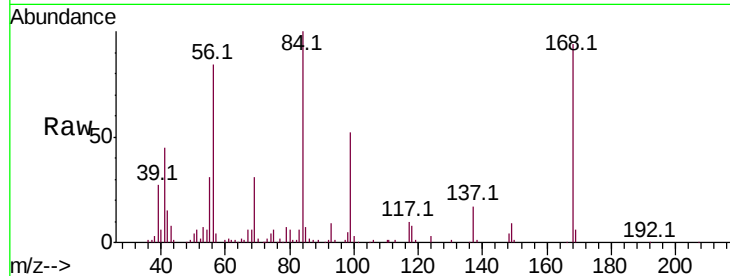
VSTDIC100

Tot Ion:168 Resp: 240085

Ion Ratio Lower Upper

168 100

99 54.9 47.1 70.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

120000

100000

80000

60000

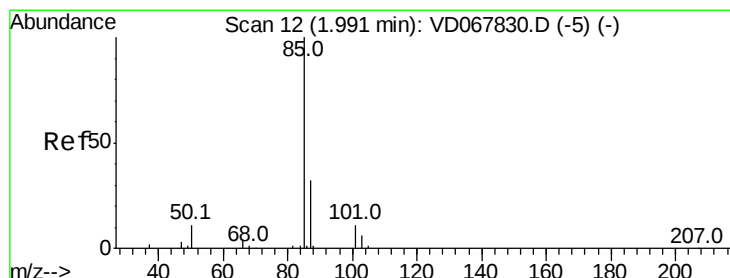
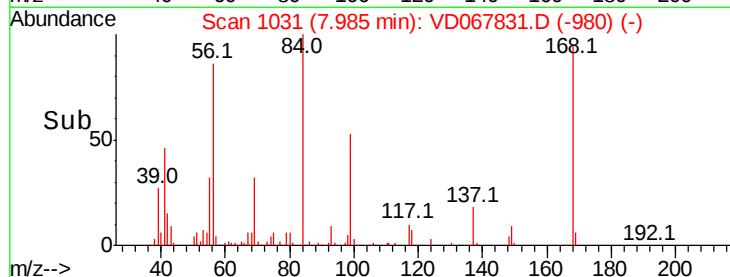
40000

20000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 97.464 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.01 min

Lab File: VD067831.D

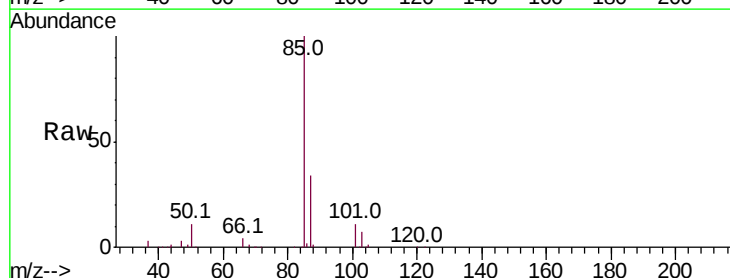
Acq: 01 Dec 2020 12:22

Tgt Ion: 85 Resp: 203641

Ion Ratio Lower Upper

85 100

87 33.8 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

150000

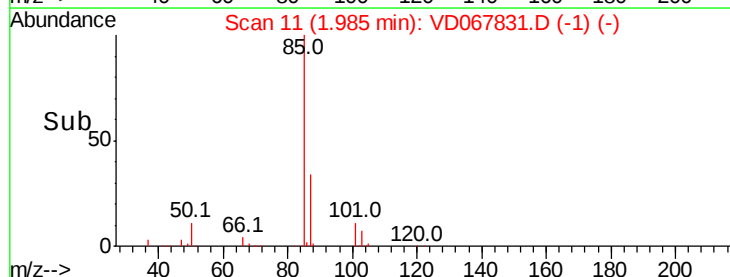
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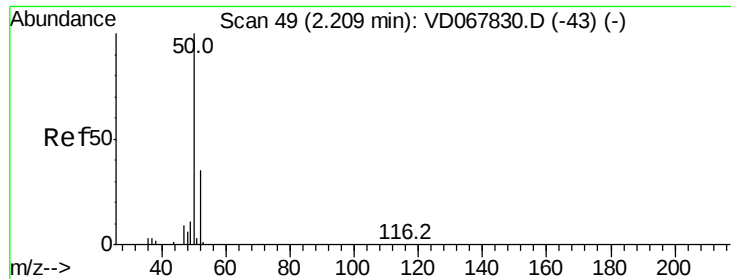
50000

0

1.90 2.00 2.10

Time-->

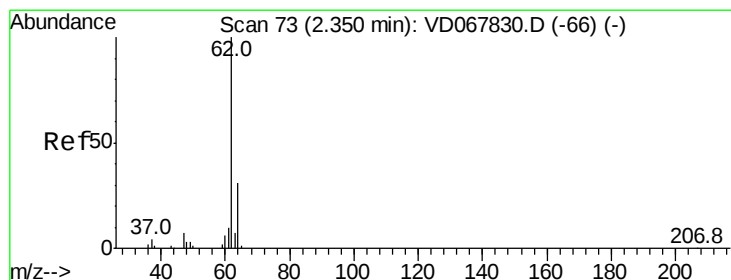
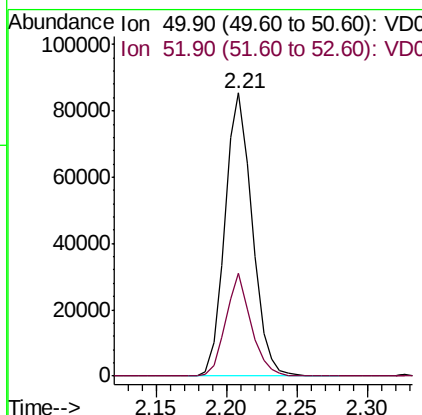
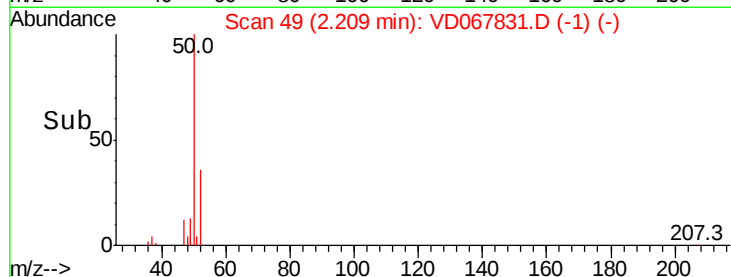
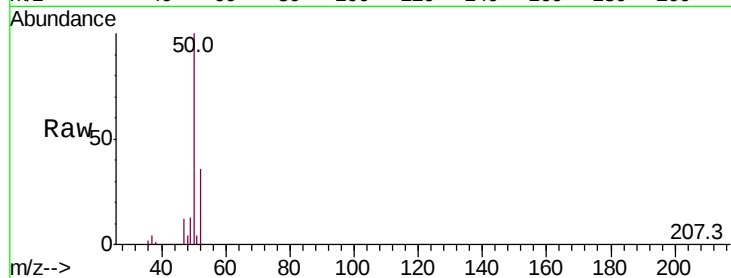




#3
Chloromethane
Concen: 95.095 ug/l
RT: 2.21 min Scan# 49
Delta R.T. 0.00 min
Lab File: VD067831.D
Acq: 01 Dec 2020 12:22

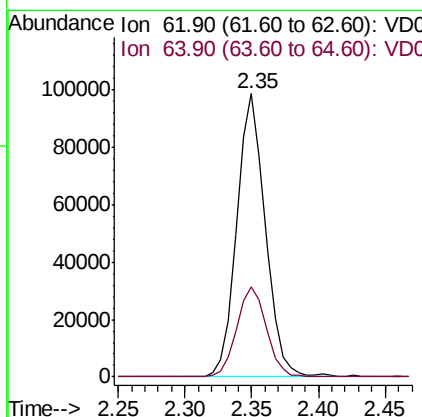
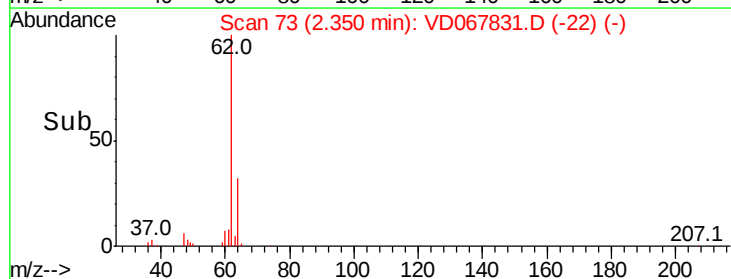
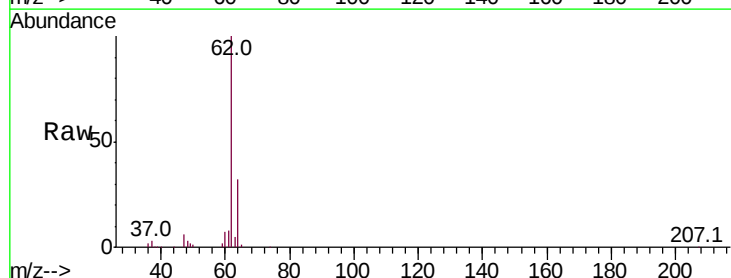
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

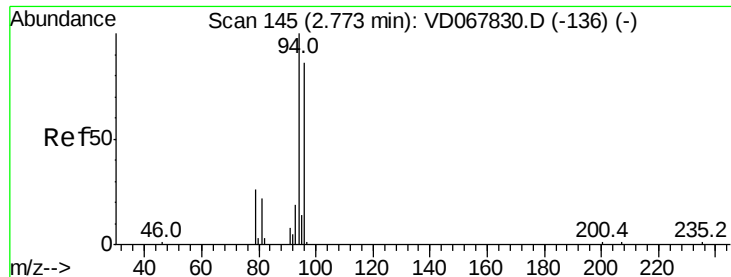
Tot Ion: 50 Resp: 114668
Ion Ratio Lower Upper
50 100
52 36.4 27.8 41.6



#4
Vinyl Chloride
Concen: 96.490 ug/l
RT: 2.35 min Scan# 73
Delta R.T. 0.00 min
Lab File: VD067831.D
Acq: 01 Dec 2020 12:22

Tgt Ion: 62 Resp: 146535
Ion Ratio Lower Upper
62 100
64 32.0 24.5 36.7





#5

Bromomethane

Concen: 92.302 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD067831.D

Acq: 01 Dec 2020 12:22

Instrument :

MSVOA_D

ClientSampleId :

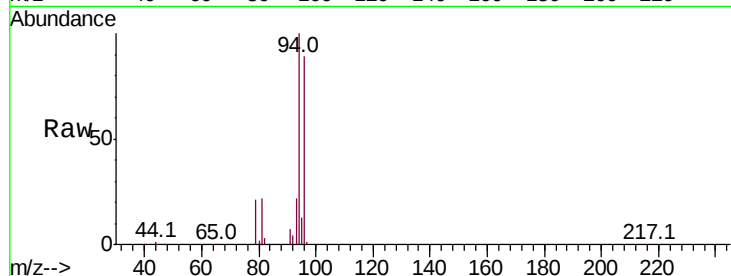
VSTDIC100

Tot Ion: 94 Resp: 125134

Ion Ratio Lower Upper

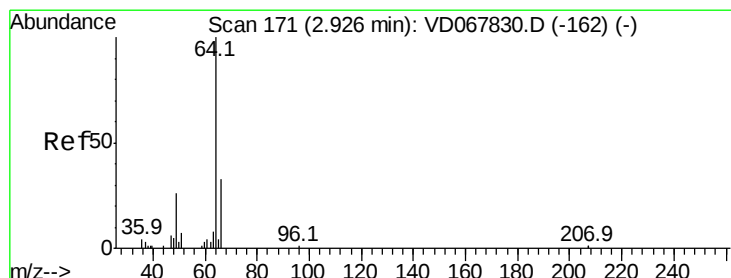
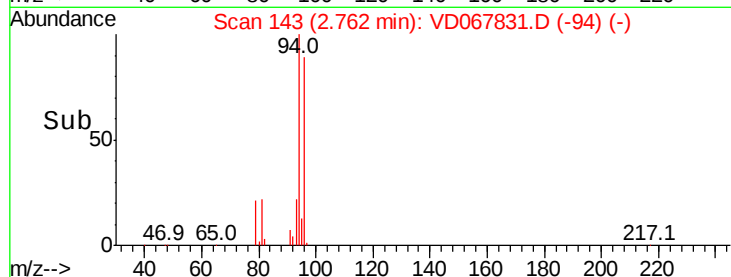
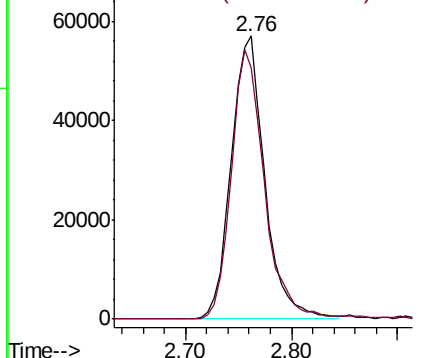
94 100

96 89.0 68.7 103.1



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 98.400 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD067831.D

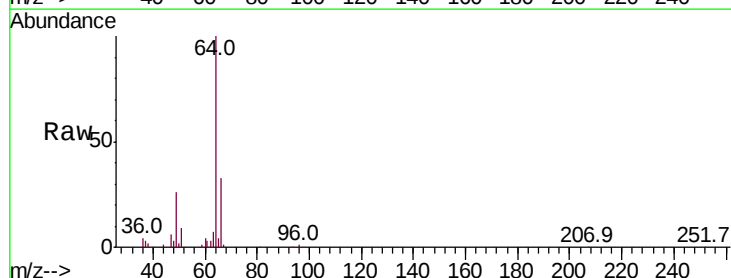
Acq: 01 Dec 2020 12:22

Tgt Ion: 64 Resp: 97295

Ion Ratio Lower Upper

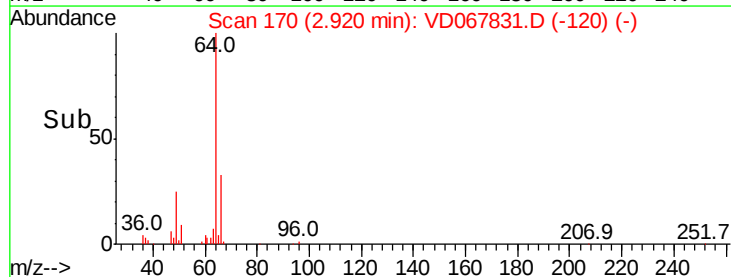
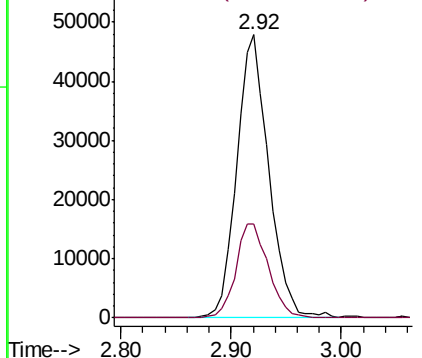
64 100

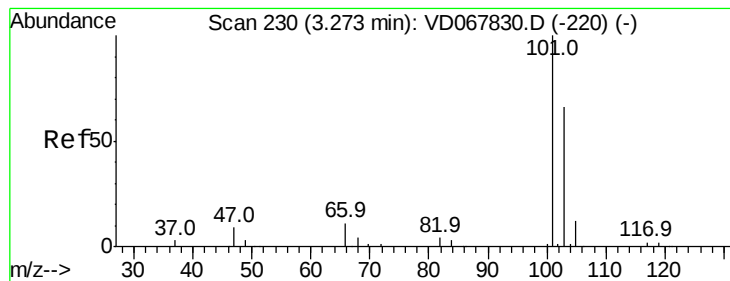
66 33.1 26.1 39.1



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



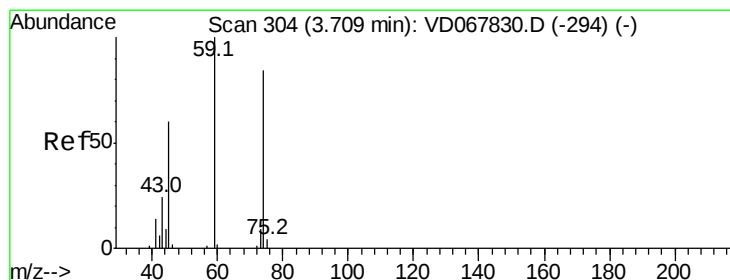
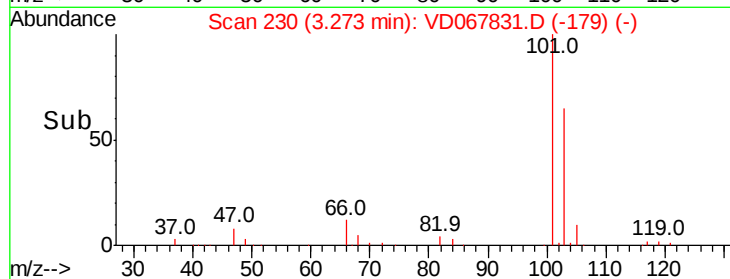
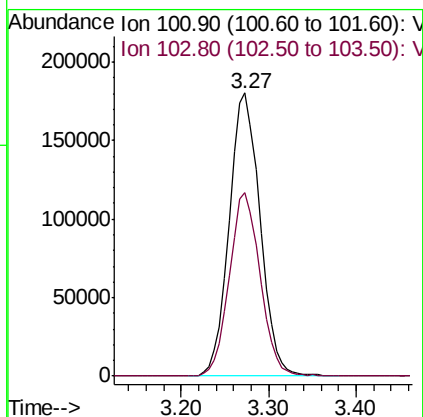
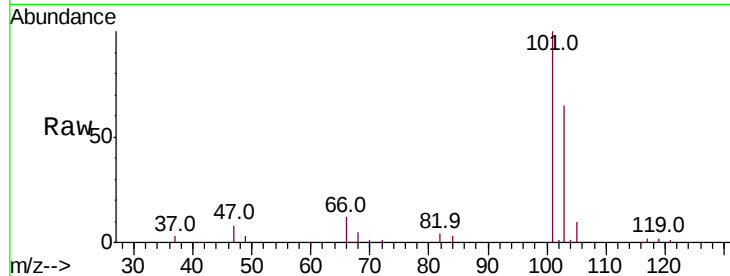


#7

Trichlorofluoromethane
 Concen: 93.152 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD067831.D
 Acq: 01 Dec 2020 12:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

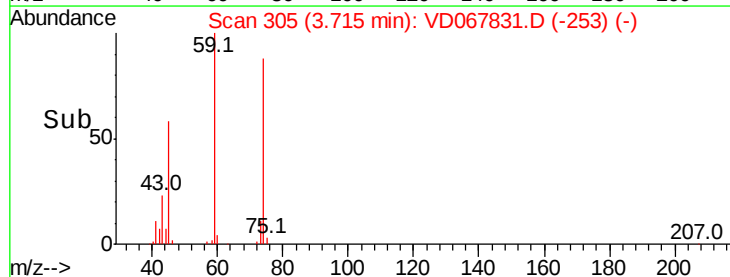
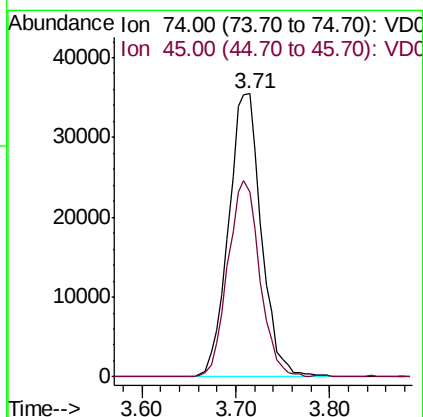
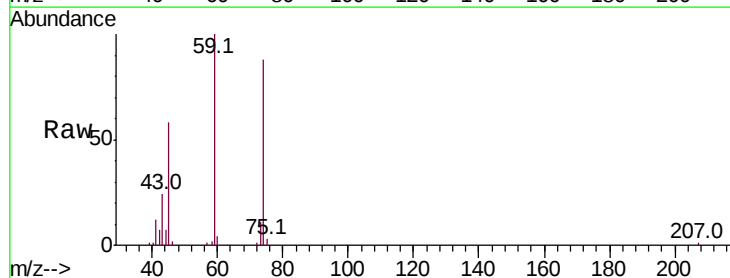
Tot Ion:101 Resp: 432882
 Ion Ratio Lower Upper
 101 100
 103 64.6 53.0 79.6

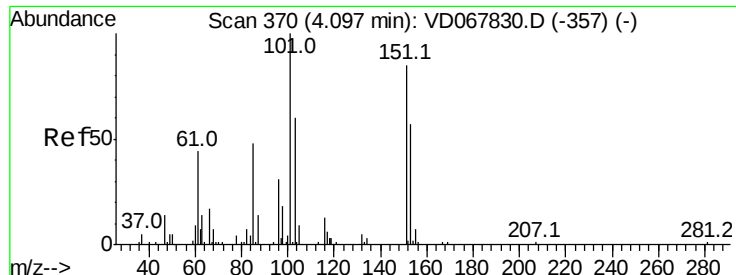


#8

Diethyl Ether
 Concen: 95.281 ug/l
 RT: 3.71 min Scan# 305
 Delta R.T. 0.01 min
 Lab File: VD067831.D
 Acq: 01 Dec 2020 12:22

Tgt Ion: 74 Resp: 86300
 Ion Ratio Lower Upper
 74 100
 45 67.2 33.9 101.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 95.753 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD067831.D

Acq: 01 Dec 2020 12:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

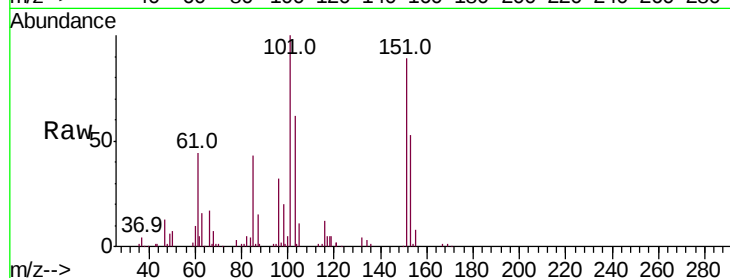
Tot Ion:101 Resp: 202907

Ion Ratio Lower Upper

101 100

85 43.5 36.2 54.4

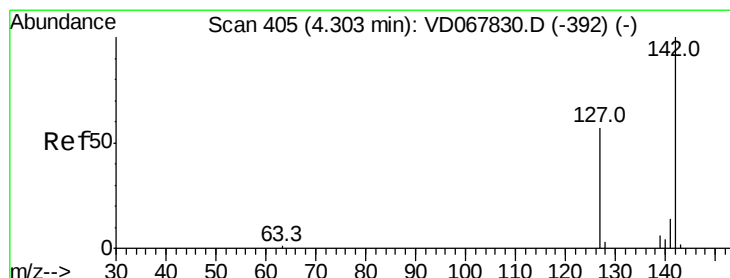
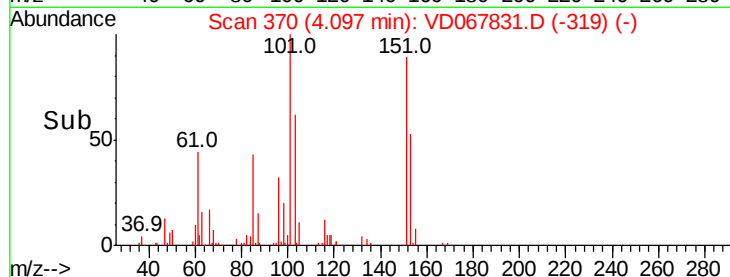
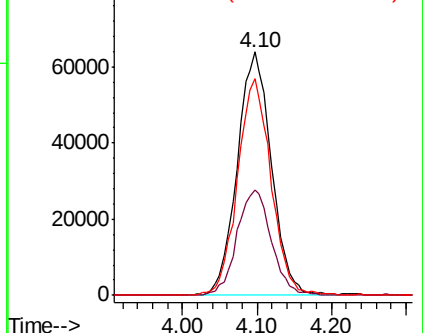
151 87.2 69.4 104.2



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: 111.482 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.00 min

Lab File: VD067831.D

Acq: 01 Dec 2020 12:22

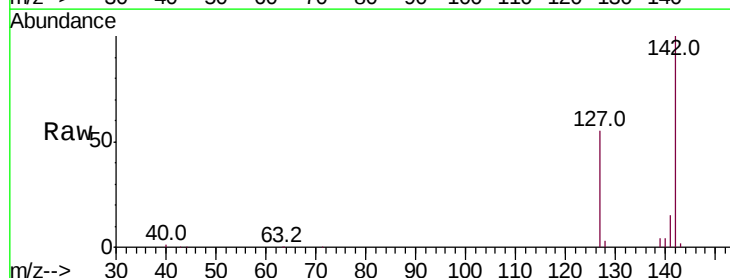
Tgt Ion:142 Resp: 250400

Ion Ratio Lower Upper

142 100

127 53.7 43.9 65.9

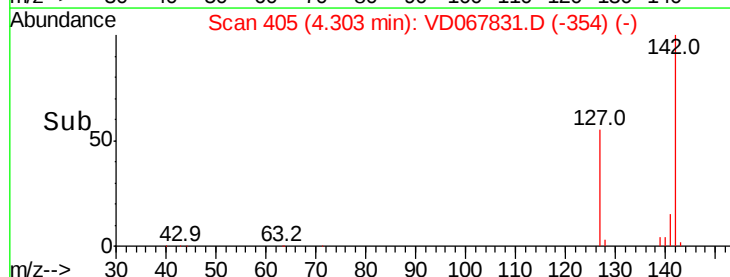
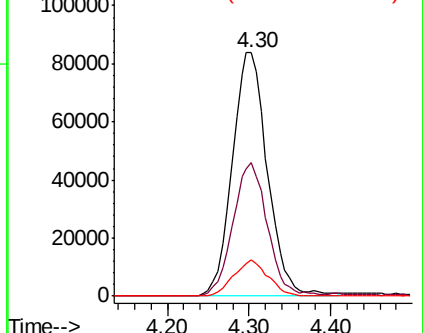
141 14.4 12.2 18.2

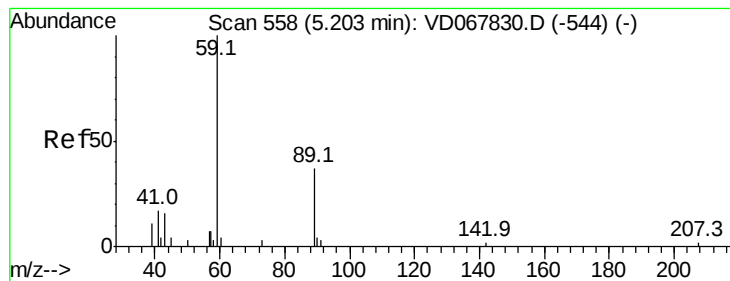


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



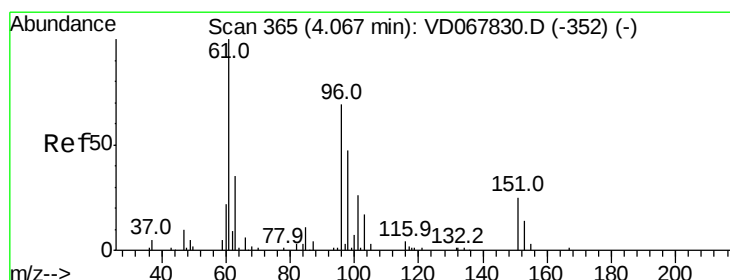
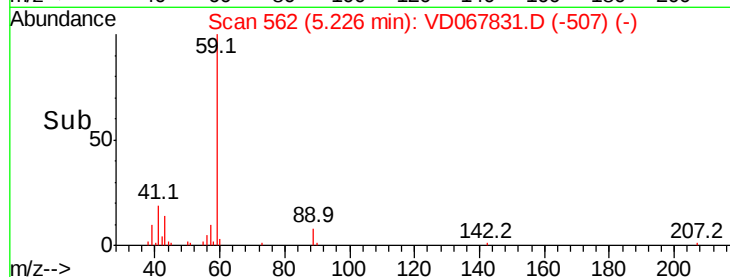
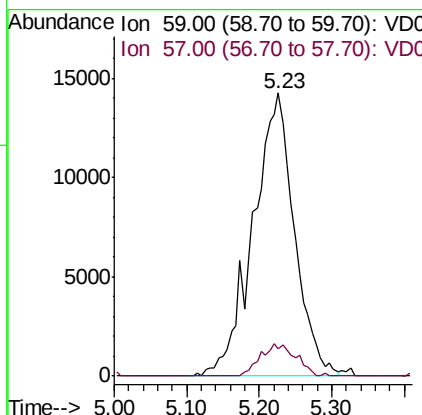
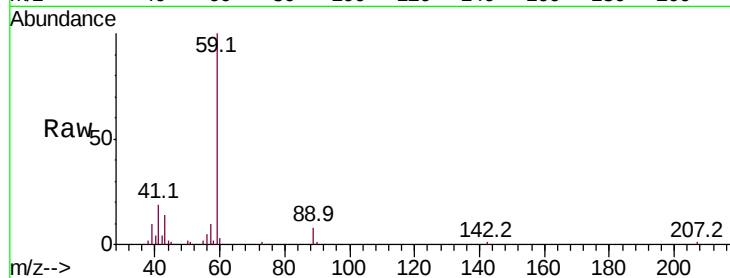


#11

Tert butyl alcohol
 Concen: 282.743 ug/l
 RT: 5.23 min Scan# 562
 Delta R.T. 0.02 min
 Lab File: VD067831.D
 Acq: 01 Dec 2020 12:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

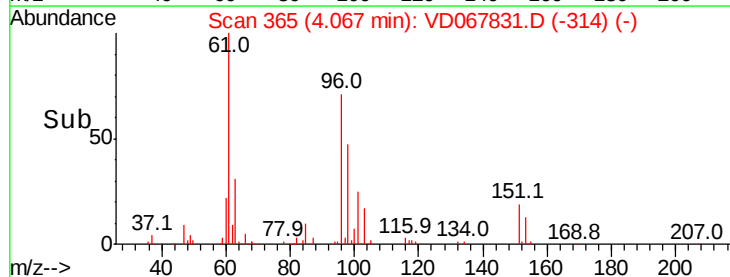
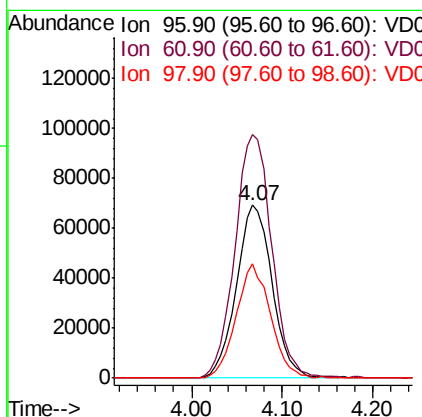
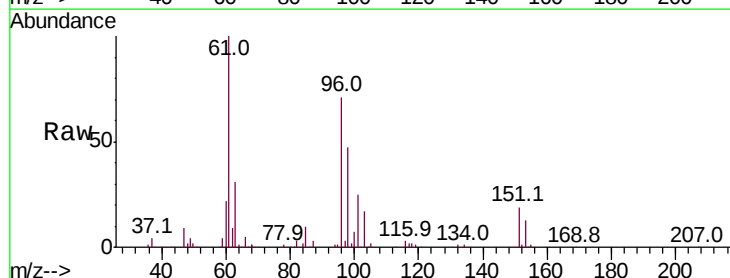
Tot Ion: 59 Resp: 56407
 Ion Ratio Lower Upper
 59 100
 57 9.8 7.7 11.5

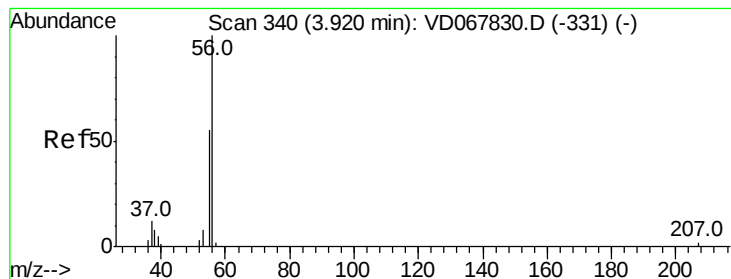


#12

1,1-Dichloroethene
 Concen: 95.630 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. 0.00 min
 Lab File: VD067831.D
 Acq: 01 Dec 2020 12:22

Tgt Ion: 96 Resp: 190251
 Ion Ratio Lower Upper
 96 100
 61 141.0 116.1 174.1
 98 65.9 54.6 82.0





#13

Acrolein

Concen: 549.895 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.01 min

Lab File: VD067831.D

Acq: 01 Dec 2020 12:22

Instrument :

MSVOA_D

ClientSampleId :

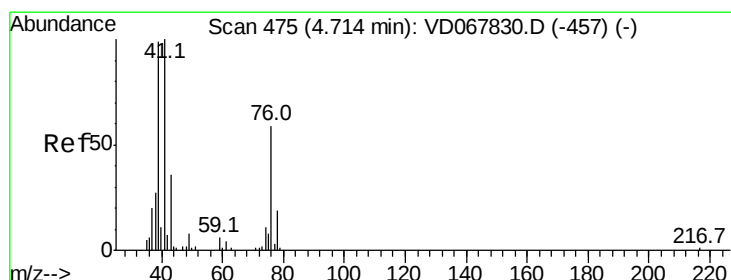
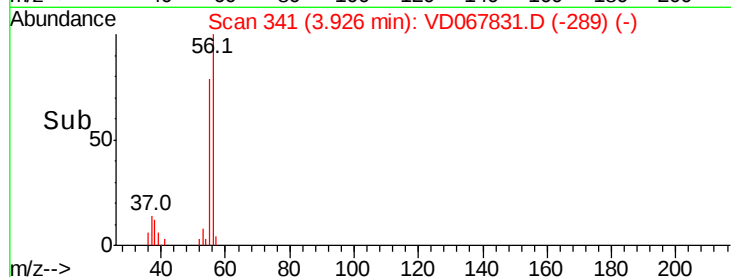
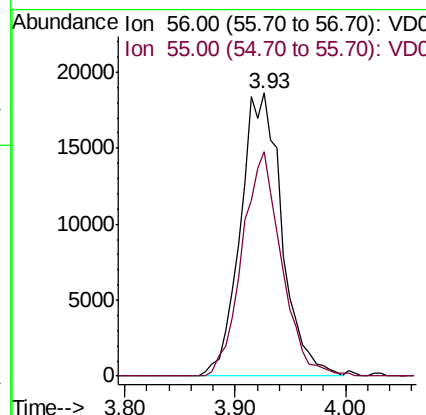
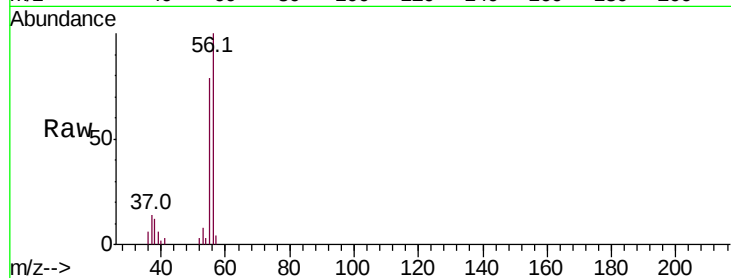
VSTDIC100

Tot Ion: 56 Resp: 49155

Ion Ratio Lower Upper

56 100

55 75.3 56.5 84.7



#14

Allyl chloride

Concen: 102.449 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD067831.D

Acq: 01 Dec 2020 12:22

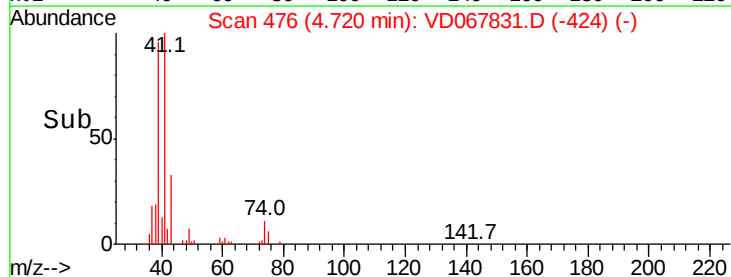
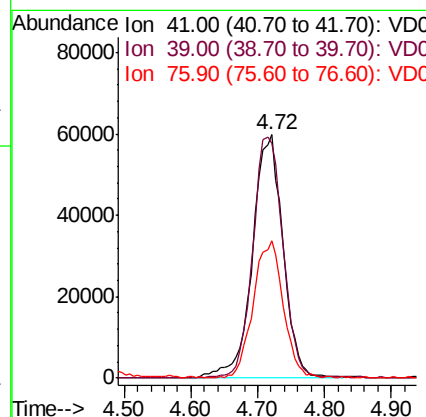
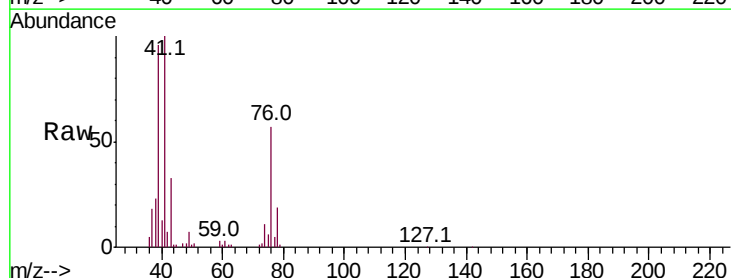
Tgt Ion: 41 Resp: 188553

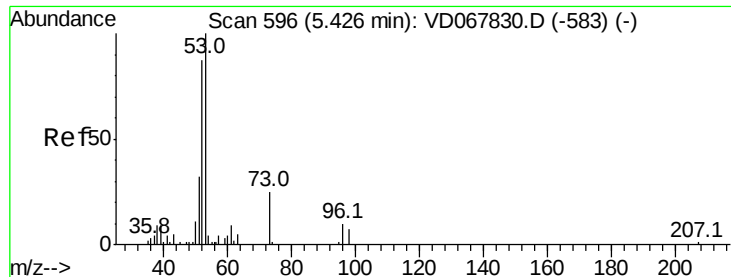
Ion Ratio Lower Upper

41 100

39 97.7 79.0 118.6

76 55.5 46.6 70.0





#15

Acrylonitrile

Concen: 472.124 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.01 min

Lab File: VD067831.D

Acq: 01 Dec 2020 12:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

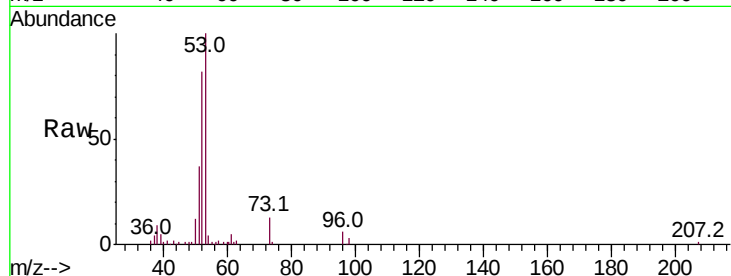
Tot Ion: 53 Resp: 148276

Ion Ratio Lower Upper

53 100

52 84.4 66.2 99.2

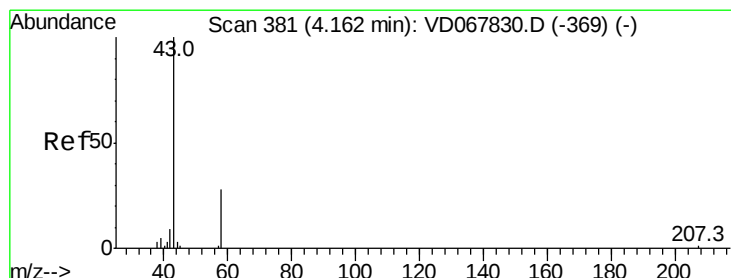
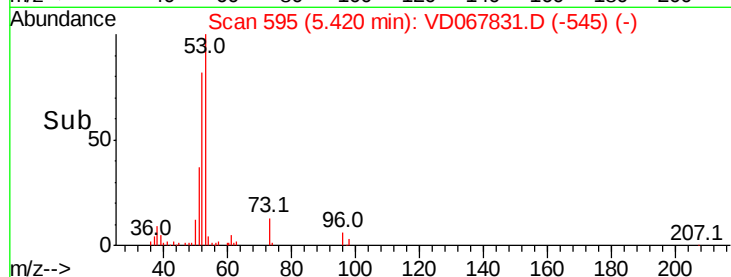
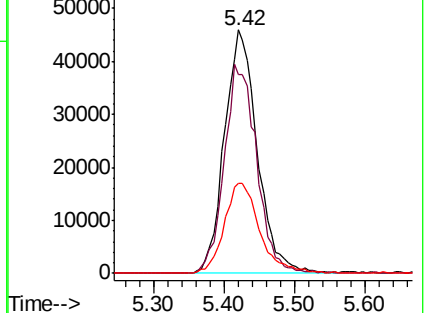
51 39.9 31.1 46.7



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: 473.146 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.01 min

Lab File: VD067831.D

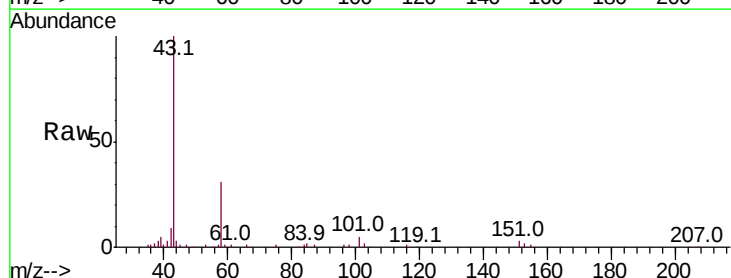
Acq: 01 Dec 2020 12:22

Tgt Ion: 43 Resp: 149076

Ion Ratio Lower Upper

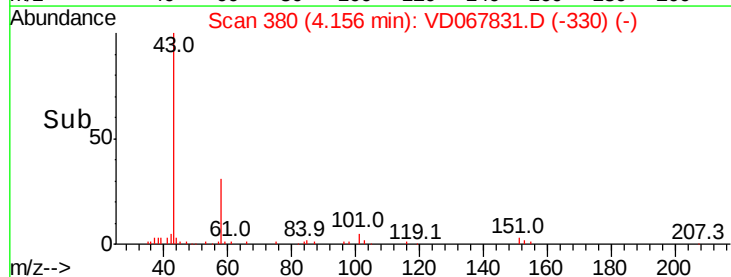
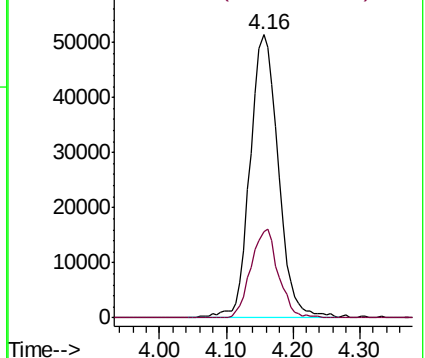
43 100

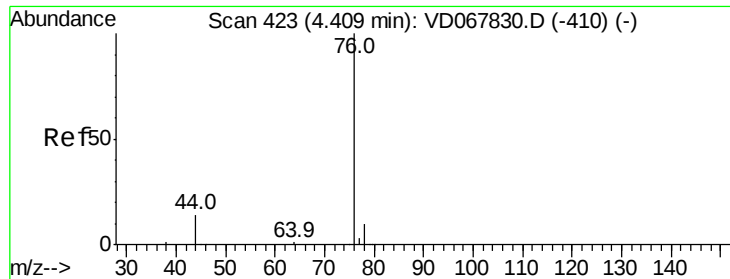
58 30.6 21.9 32.9



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

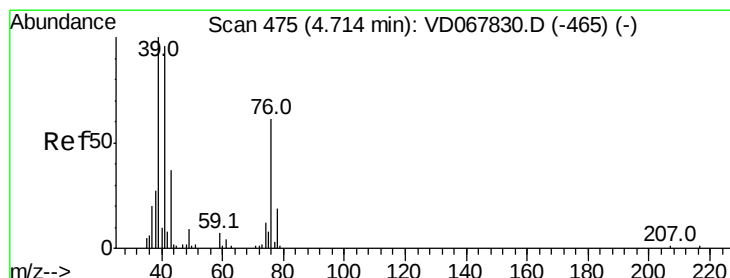
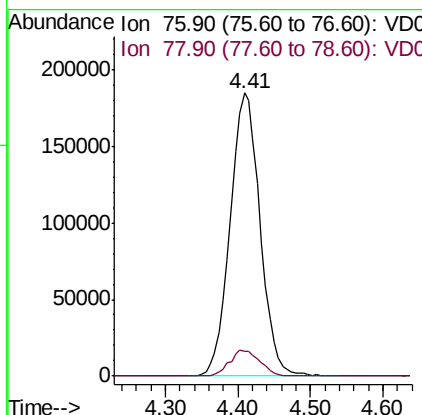
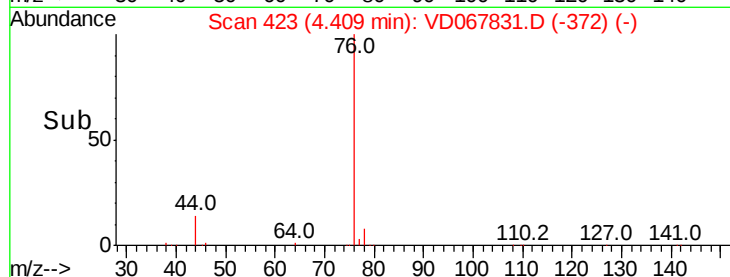
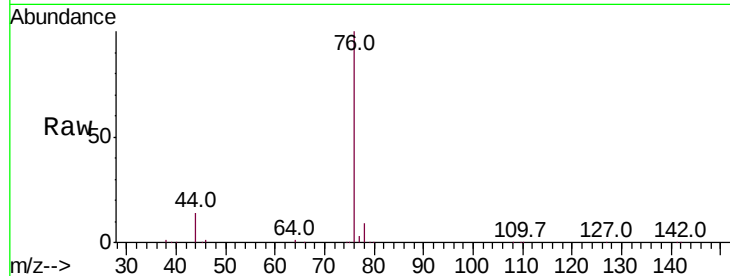




#17
Carbon Disulfide
Concen: 95.332 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD067831.D
Acq: 01 Dec 2020 12:22

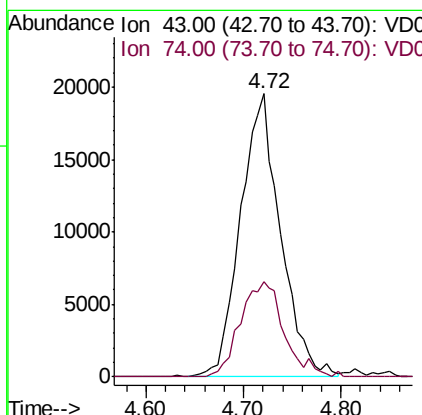
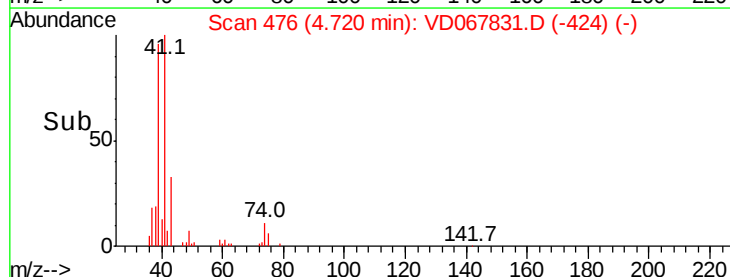
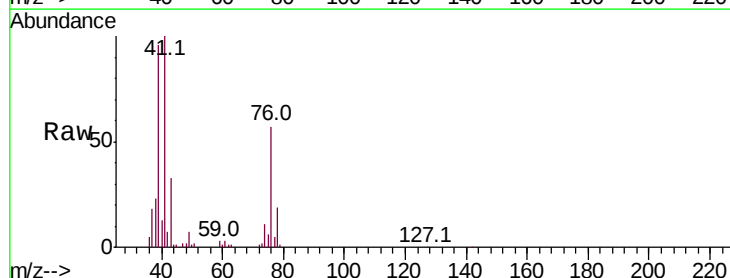
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

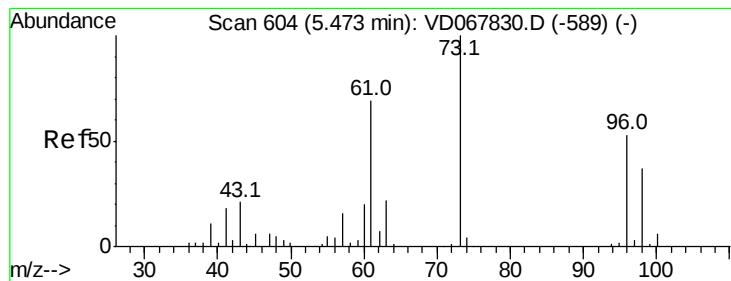
Tot Ion: 76 Resp: 529526
Ion Ratio Lower Upper
76 100
78 8.6 7.8 11.6



#18
Methyl Acetate
Concen: 86.551 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.01 min
Lab File: VD067831.D
Acq: 01 Dec 2020 12:22

Tgt Ion: 43 Resp: 56073
Ion Ratio Lower Upper
43 100
74 36.3 27.0 40.4



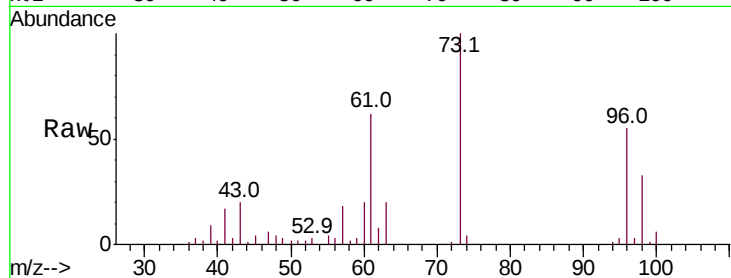


#19

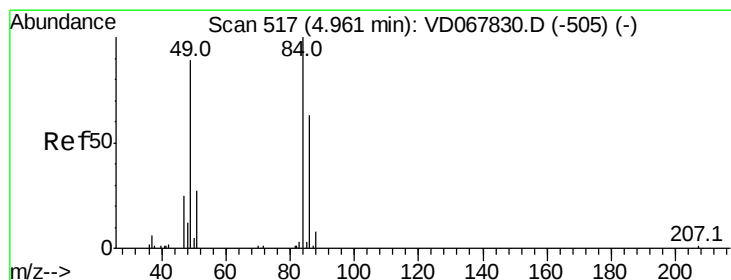
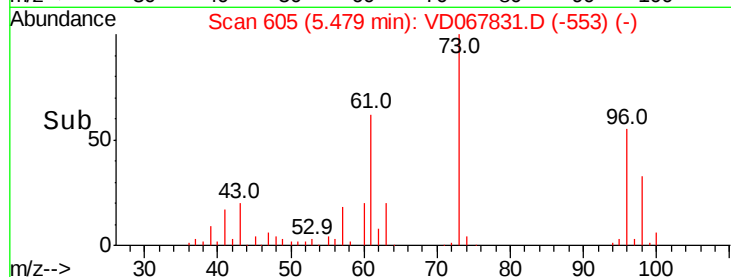
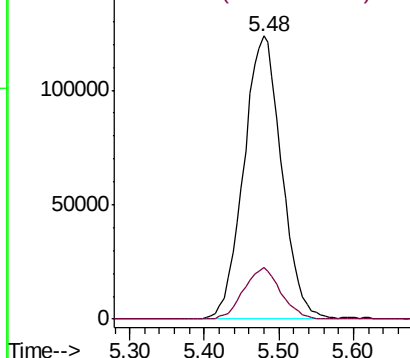
Methyl tert-butyl Ether
 Concen: 102.309 ug/l
 RT: 5.48 min Scan# 605
 Delta R.T. 0.01 min
 Lab File: VD067831.D
 Acq: 01 Dec 2020 12:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion: 73 Resp: 435838
 Ion Ratio Lower Upper
 73 100
 57 18.1 13.2 19.8



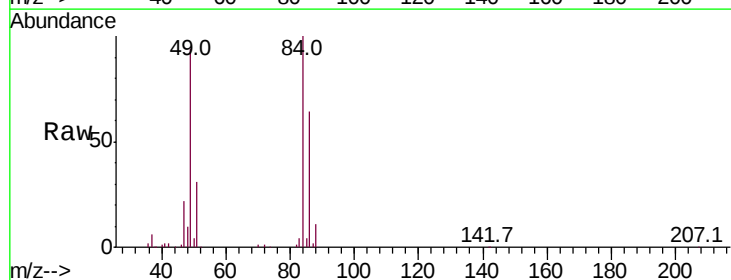
Abundance Ion 73.00 (72.70 to 73.70): VDC
 Ion 57.00 (56.70 to 57.70): VDC



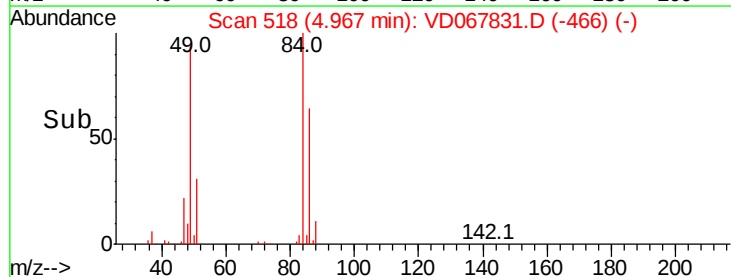
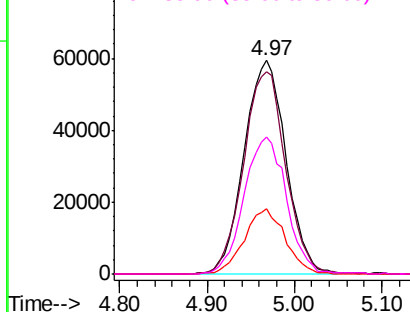
#20

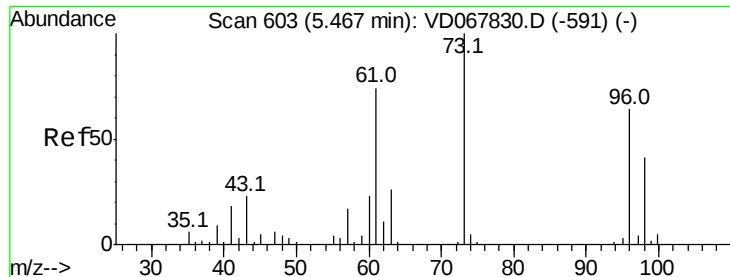
Methylene Chloride
 Concen: 80.311 ug/l
 RT: 4.97 min Scan# 518
 Delta R.T. 0.01 min
 Lab File: VD067831.D
 Acq: 01 Dec 2020 12:22

Tgt Ion: 84 Resp: 194279
 Ion Ratio Lower Upper
 84 100
 49 94.4 71.4 107.0
 51 30.6 21.8 32.8
 86 63.8 50.6 75.8



Abundance Ion 83.90 (83.60 to 84.60): VDC
 Ion 48.90 (48.60 to 49.60): VDC
 Ion 50.90 (50.60 to 51.60): VDC
 Ion 85.90 (85.60 to 86.60): VDC





#21

trans-1,2-Dichloroethene

Concen: 94.213 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD067831.D

Acq: 01 Dec 2020 12:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

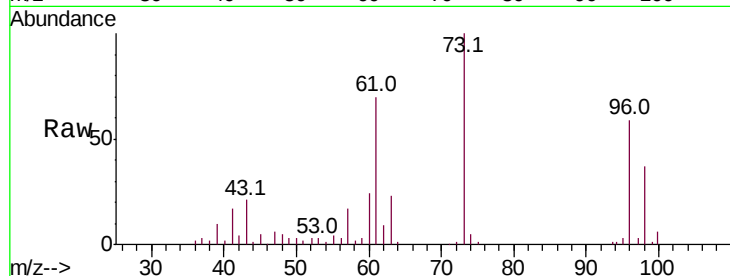
Tot Ion: 96 Resp: 213284

Ion Ratio Lower Upper

96 100

61 118.3 93.1 139.7

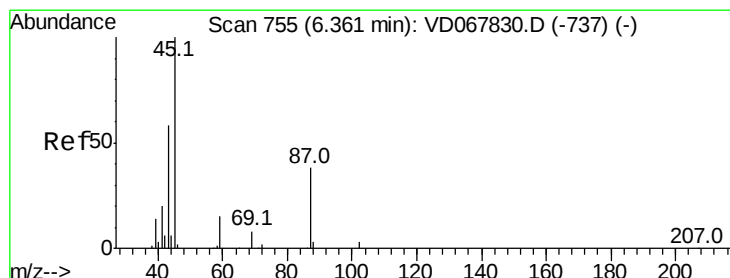
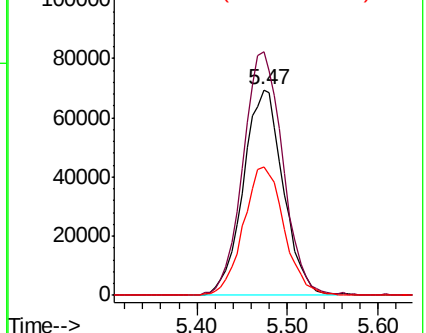
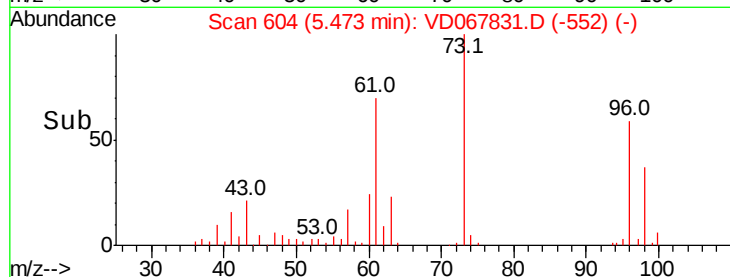
98 62.6 52.2 78.2



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 94.617 ug/l

RT: 6.37 min Scan# 756

Delta R.T. 0.01 min

Lab File: VD067831.D

Acq: 01 Dec 2020 12:22

Tgt Ion: 45 Resp: 350239

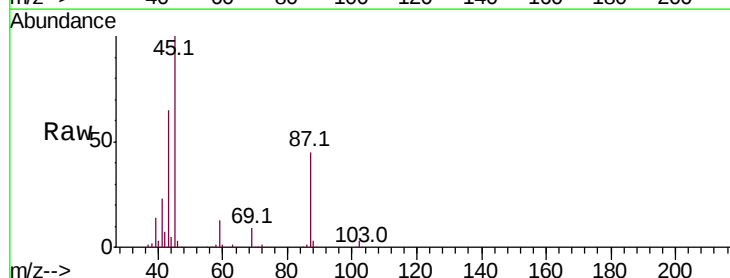
Ion Ratio Lower Upper

45 100

43 64.2 49.8 74.6

87 44.3 32.1 48.1

59 13.1 11.9 17.9

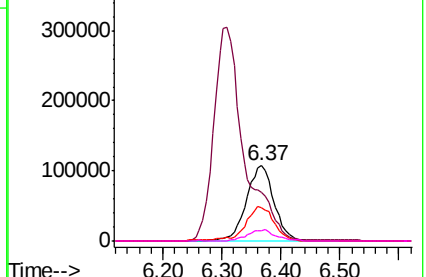
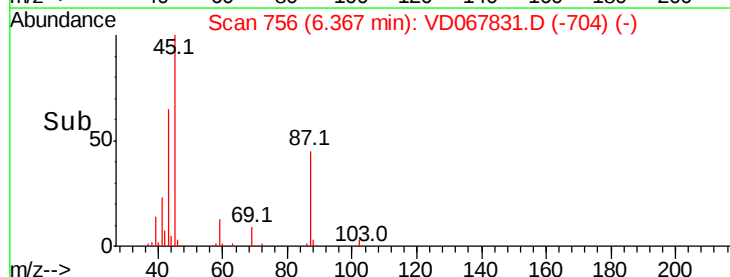


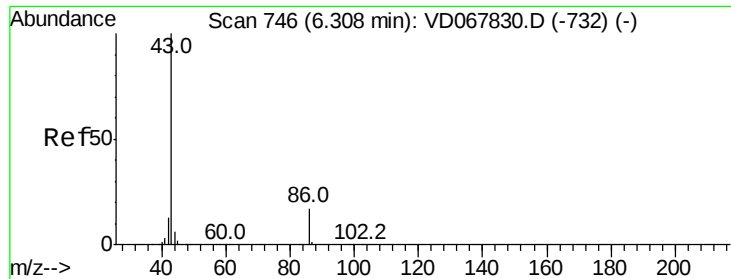
Abundance Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC

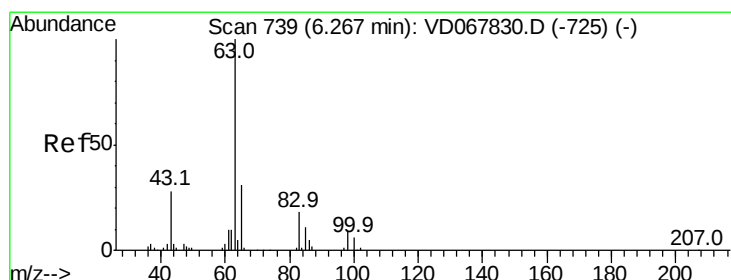
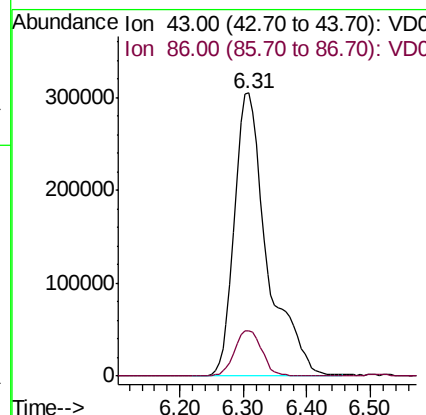
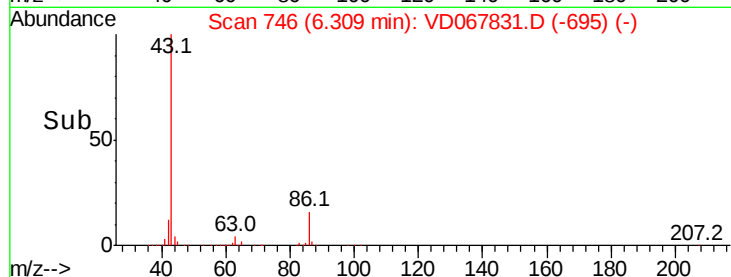
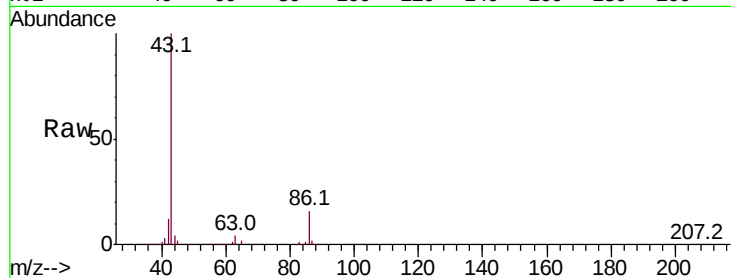




#23
 Vinyl Acetate
 Concen: 527.922 ug/l
 RT: 6.31 min Scan# 746
 Delta R.T. 0.00 min
 Lab File: VD067831.D
 Acq: 01 Dec 2020 12:22

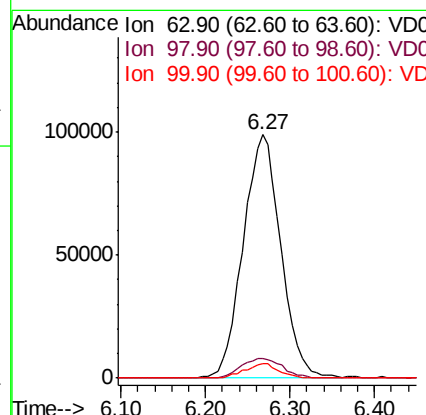
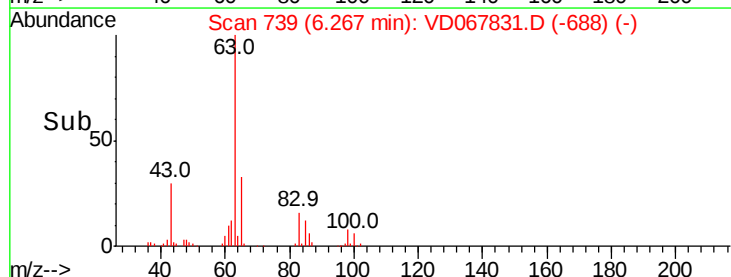
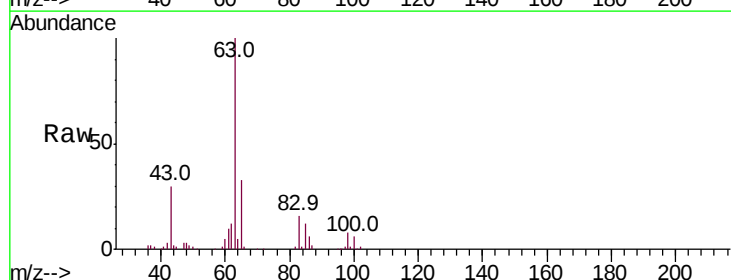
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

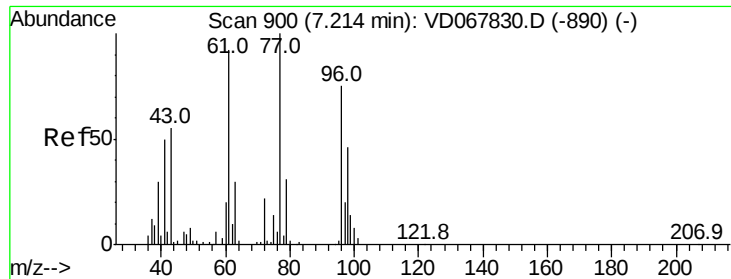
Tot Ion: 43 Resp: 1087140
 Ion Ratio Lower Upper
 43 100
 86 16.1 13.8 20.6



#24
 1,1-Dichloroethane
 Concen: 94.128 ug/l
 RT: 6.27 min Scan# 739
 Delta R.T. 0.00 min
 Lab File: VD067831.D
 Acq: 01 Dec 2020 12:22

Tgt Ion: 63 Resp: 305431
 Ion Ratio Lower Upper
 63 100
 98 8.2 4.5 13.5
 100 5.8 3.0 9.2





#25

2-Butanone

Concen: 479.073 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD067831.D

Acq: 01 Dec 2020 12:22

Instrument :

MSVOA_D

ClientSampleId :

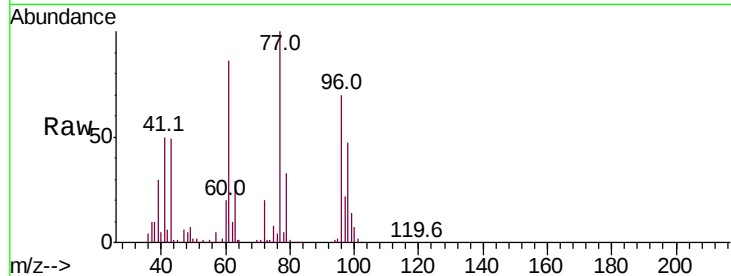
VSTDIC100

Tot Ion: 43 Resp: 160484

Ion Ratio Lower Upper

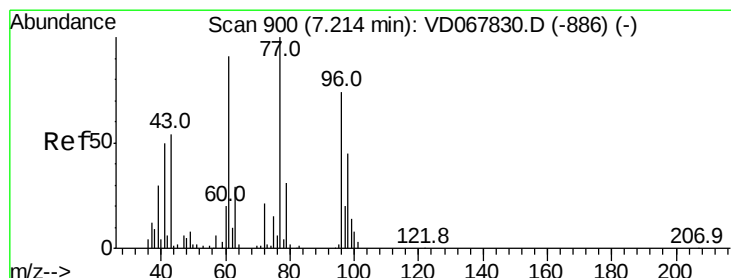
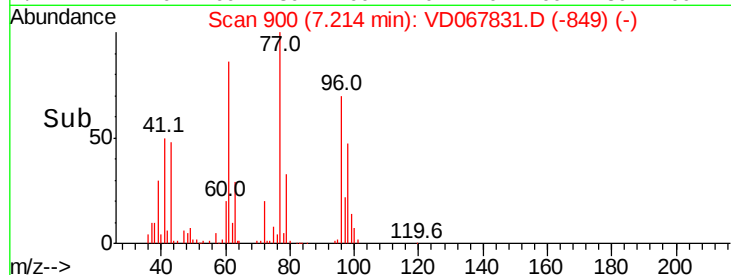
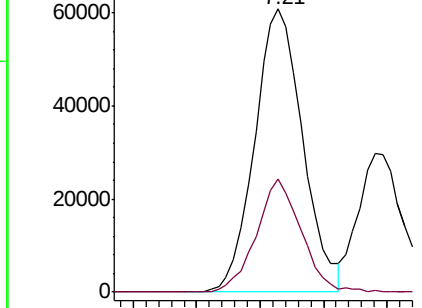
43 100

72 40.1 31.3 46.9



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 96.002 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD067831.D

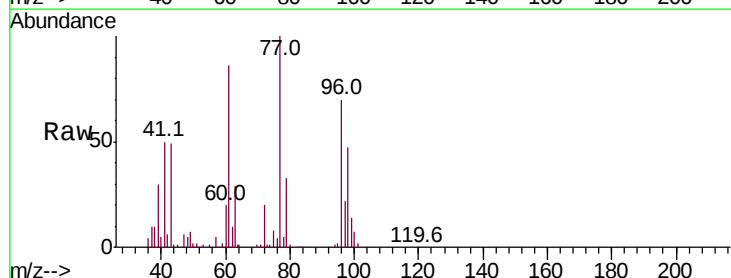
Acq: 01 Dec 2020 12:22

Tgt Ion: 77 Resp: 371467

Ion Ratio Lower Upper

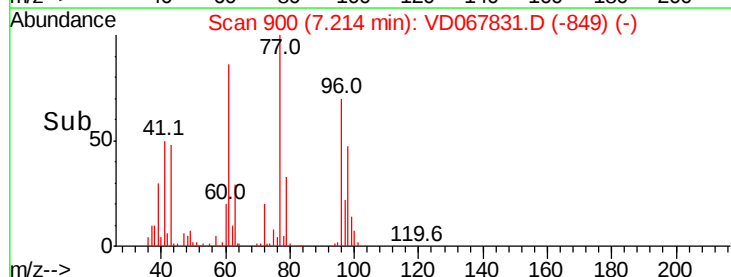
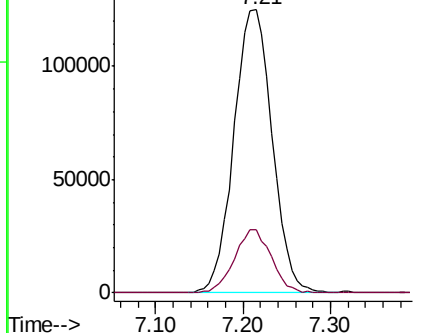
77 100

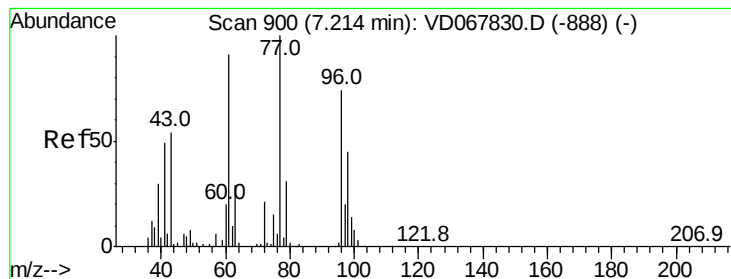
97 21.6 11.1 33.1



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





#27

cis-1,2-Dichloroethene

Concen: 95.509 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD067831.D

Acq: 01 Dec 2020 12:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

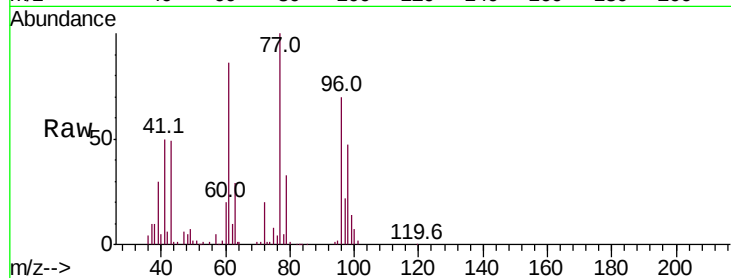
Tot Ion: 96 Resp: 236494

Ion Ratio Lower Upper

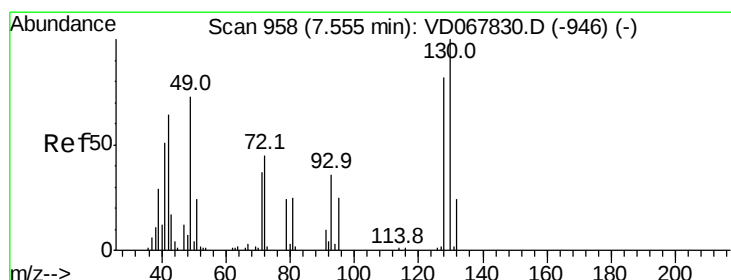
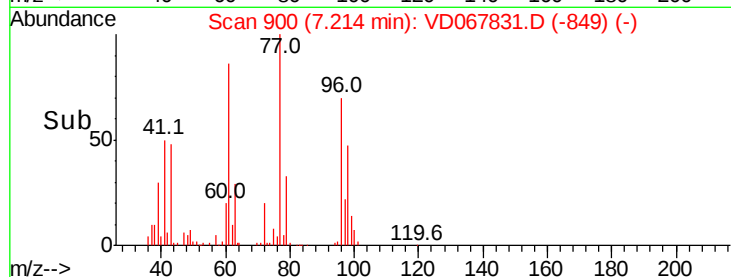
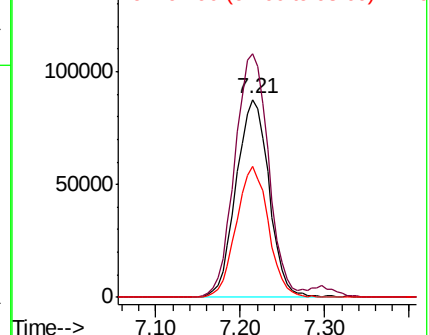
96 100

61 126.6 0.0 248.4

98 65.0 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: 100.290 ug/l

RT: 7.56 min Scan# 958

Delta R.T. 0.00 min

Lab File: VD067831.D

Acq: 01 Dec 2020 12:22

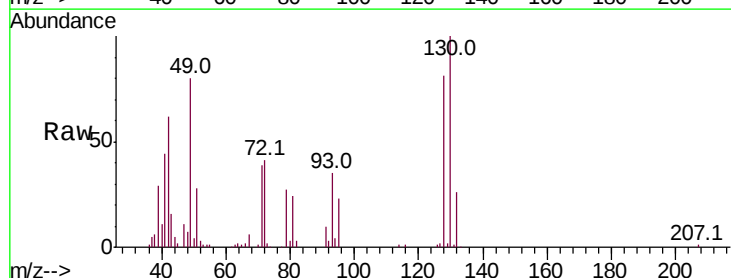
Tgt Ion: 49 Resp: 103322

Ion Ratio Lower Upper

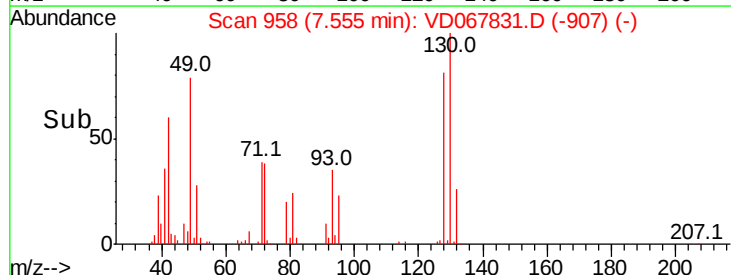
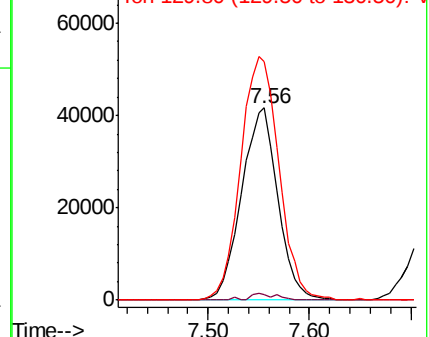
49 100

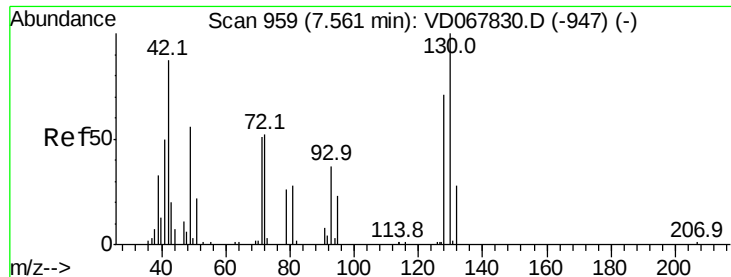
129 2.3 0.0 3.4

130 134.0 110.2 165.2



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





#29

Tetrahydrofuran

Concen: 532.895 ug/l

RT: 7.57 min Scan# 960

Delta R.T. 0.01 min

Lab File: VD067831.D

Acq: 01 Dec 2020 12:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

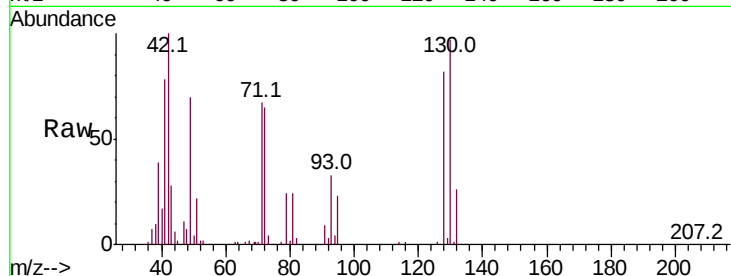
Tot Ion: 42 Resp: 93446

Ion Ratio Lower Upper

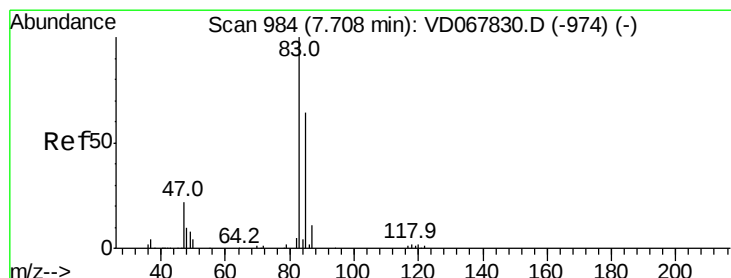
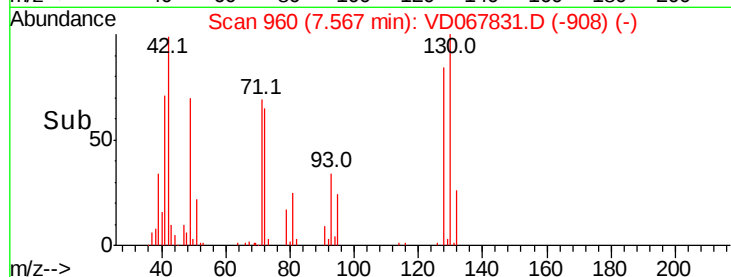
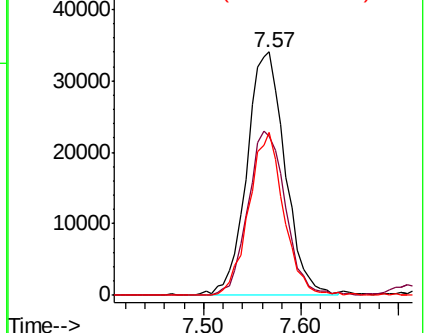
42 100

72 66.2 51.9 77.9

71 60.7 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: 92.605 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.01 min

Lab File: VD067831.D

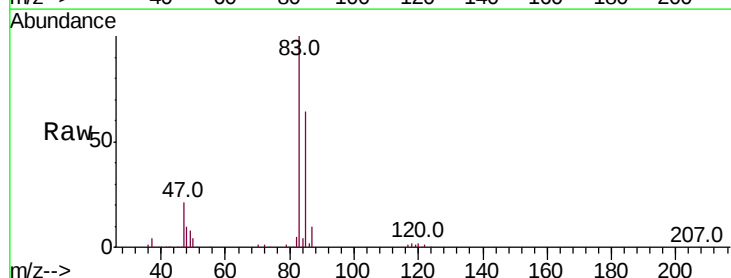
Acq: 01 Dec 2020 12:22

Tgt Ion: 83 Resp: 401571

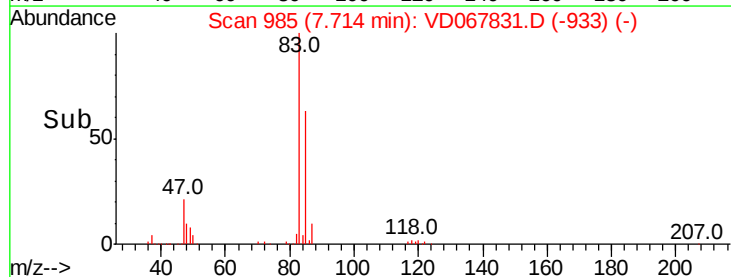
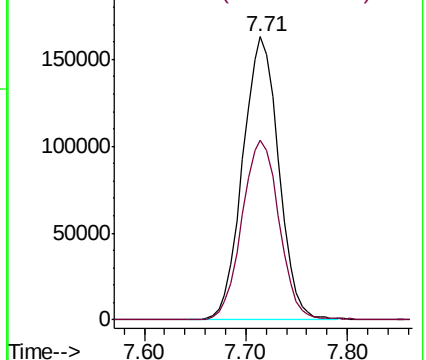
Ion Ratio Lower Upper

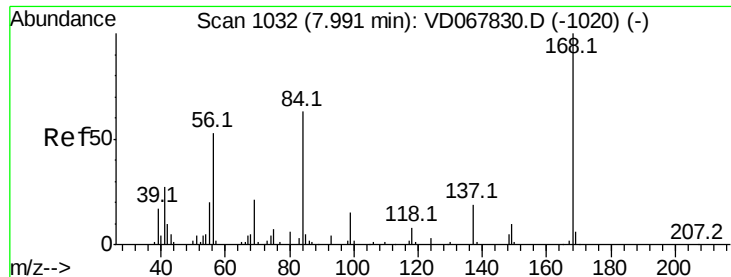
83 100

85 63.6 51.0 76.4



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

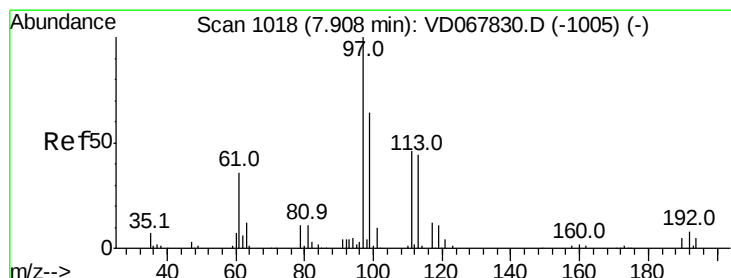
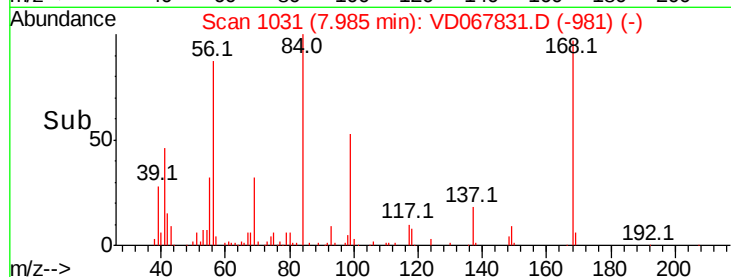
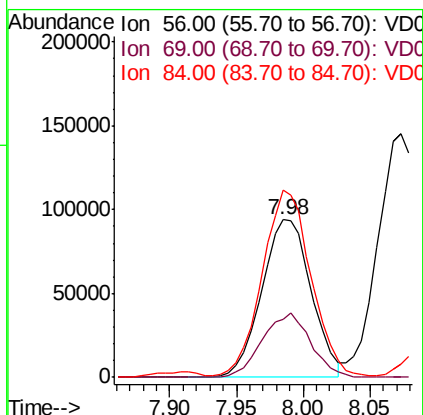
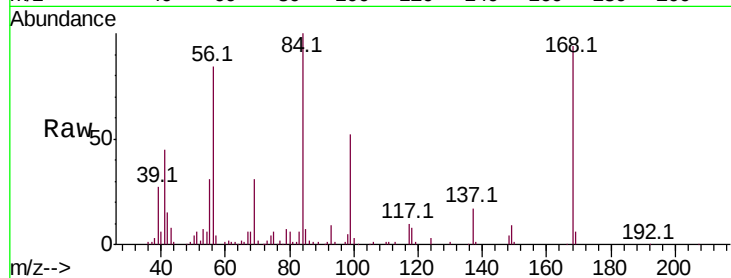




#31
Cyclohexane
Concen: 88.979 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.01 min
Lab File: VD067831.D
Acq: 01 Dec 2020 12:22

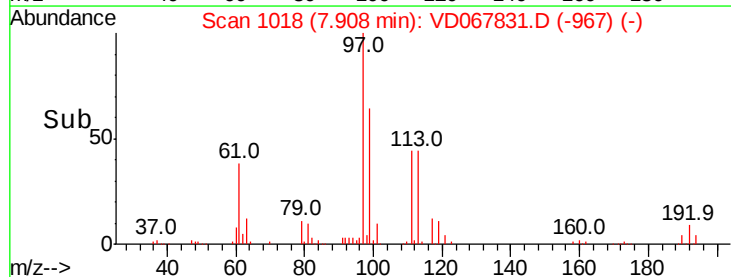
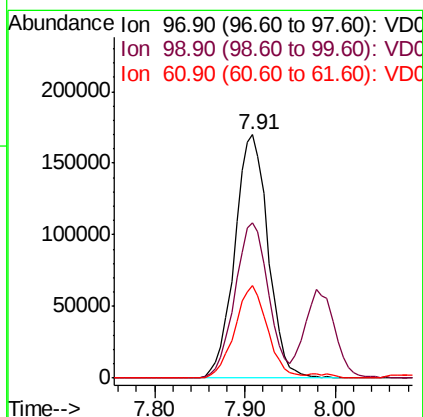
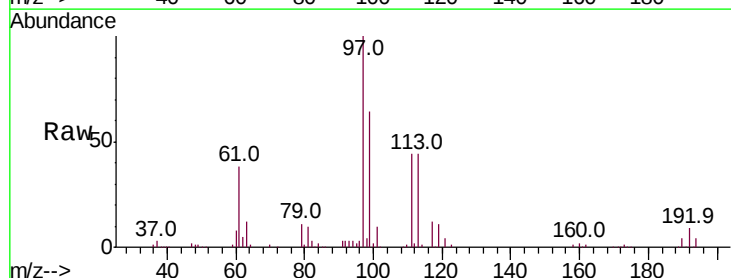
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

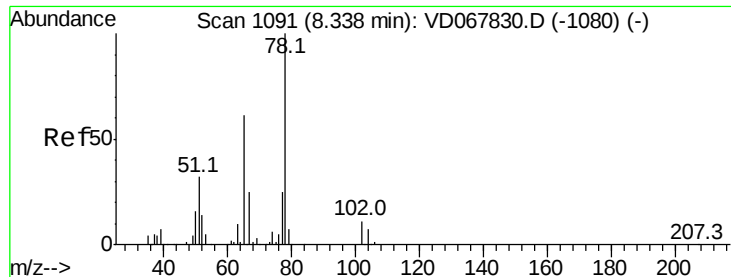
Tot Ion: 56 Resp: 241618
Ion Ratio Lower Upper
56 100
69 37.0 32.1 48.1
84 115.4 93.2 139.8



#32
1,1,1-Trichloroethane
Concen: 94.920 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD067831.D
Acq: 01 Dec 2020 12:22

Tgt Ion: 97 Resp: 434498
Ion Ratio Lower Upper
97 100
99 64.6 51.4 77.2
61 37.1 30.8 46.2





#33

1,2-Dichloroethane-d4

Concen: 95.778 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD067831.D

Acq: 01 Dec 2020 12:22

Instrument :

MSVOA_D

ClientSampleId :

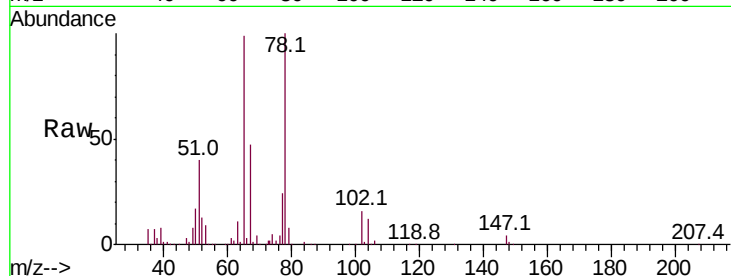
VSTDIC100

Tot Ion: 65 Resp: 246859

Ion Ratio Lower Upper

65 100

67 46.8 0.0 92.0



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

120000

100000

80000

60000

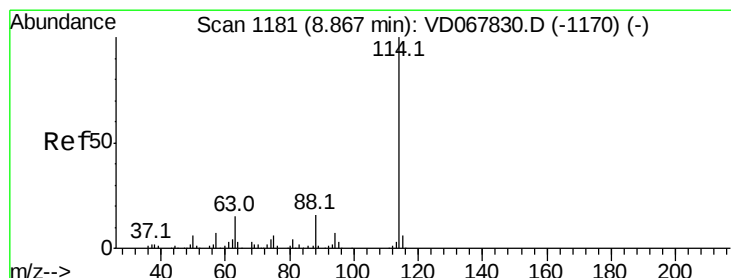
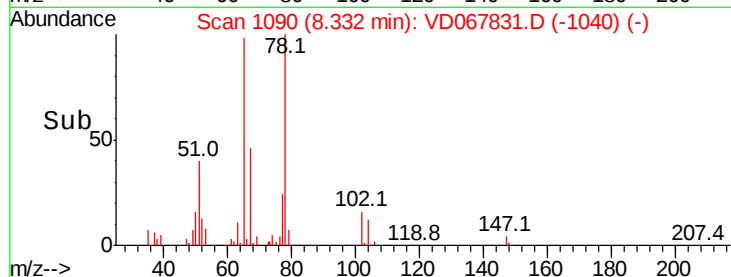
40000

20000

0

8.25 8.30 8.35 8.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD067831.D

Acq: 01 Dec 2020 12:22

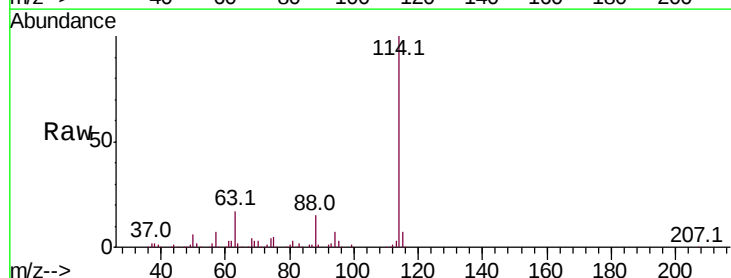
Tgt Ion: 114 Resp: 336834

Ion Ratio Lower Upper

114 100

63 16.8 0.0 30.8

88 15.2 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

8.87

200000

150000

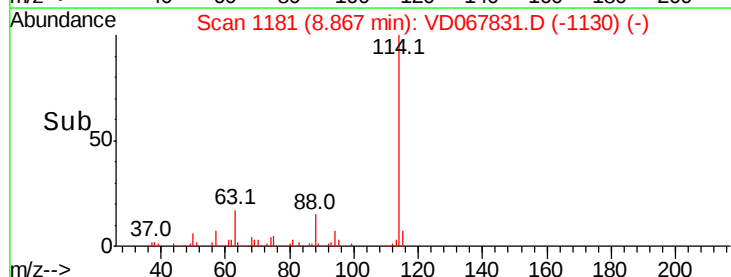
100000

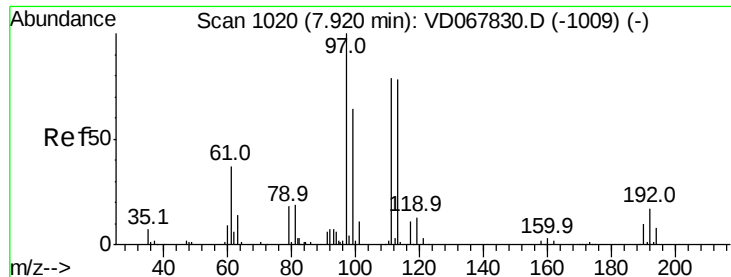
50000

0

8.80 8.90 9.00

Time-->

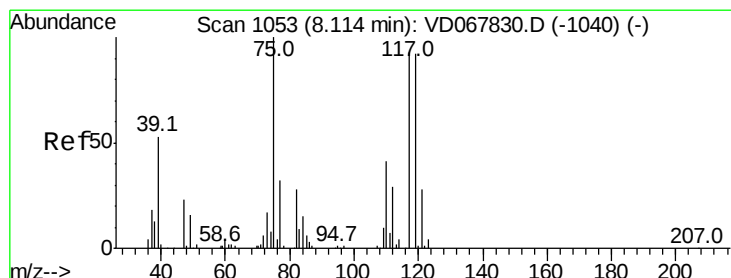
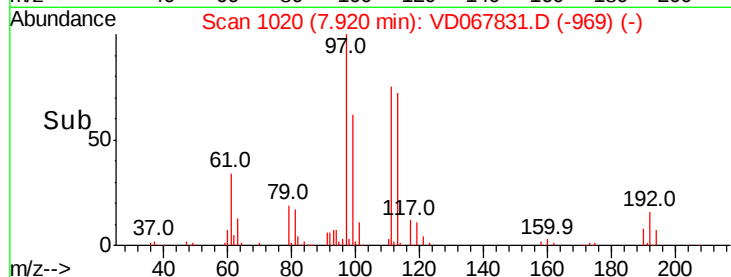
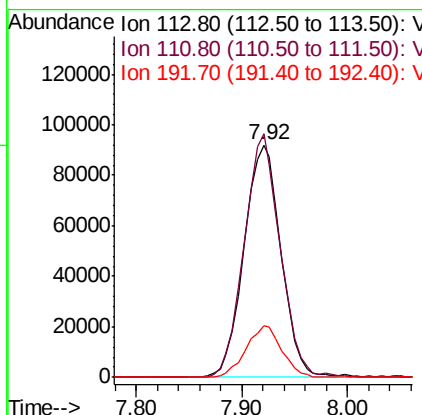
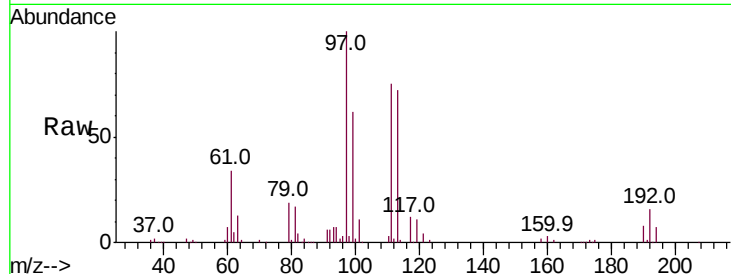




#35
 Dibromofluoromethane
 Concen: 98.997 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD067831.D
 Acq: 01 Dec 2020 12:22

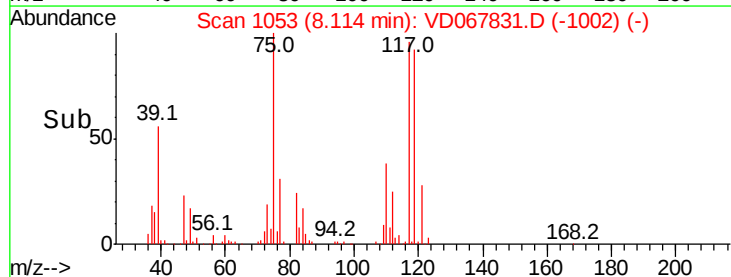
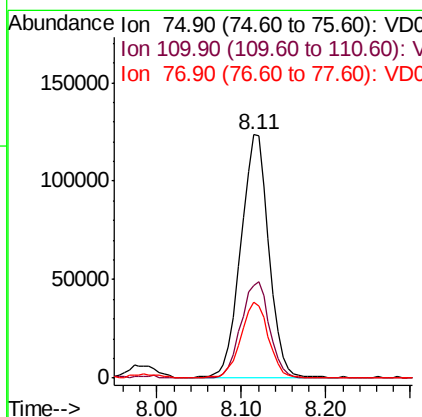
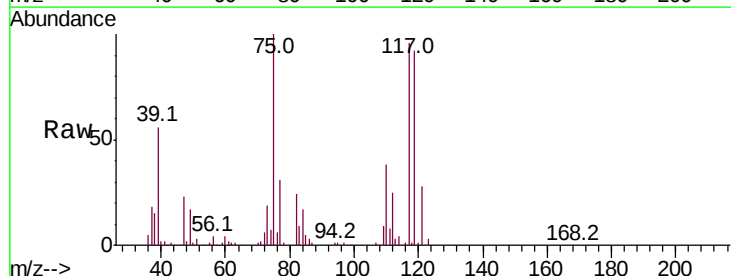
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

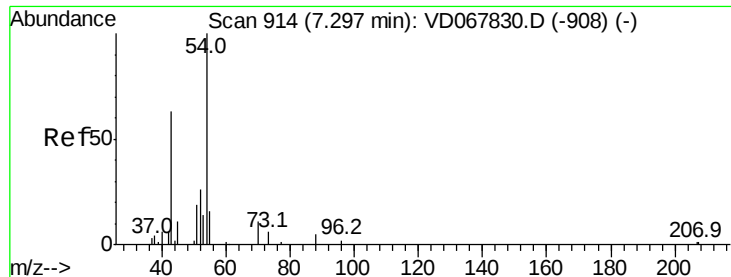
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.2	121.8
192	21.6	16.8	25.2



#36
 1,1-Dichloropropene
 Concen: 98.242 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD067831.D
 Acq: 01 Dec 2020 12:22

Tgt Ion	Ratio	Lower	Upper
75	100		
110	39.9	20.3	61.0
77	30.9	24.7	37.1

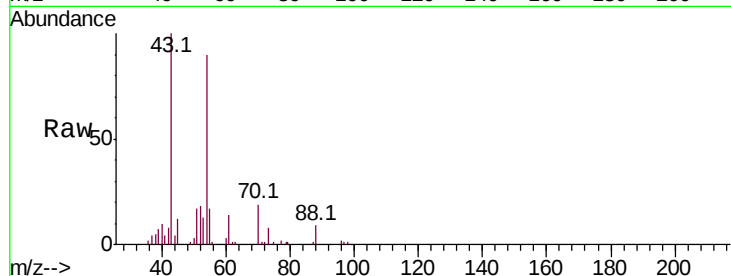




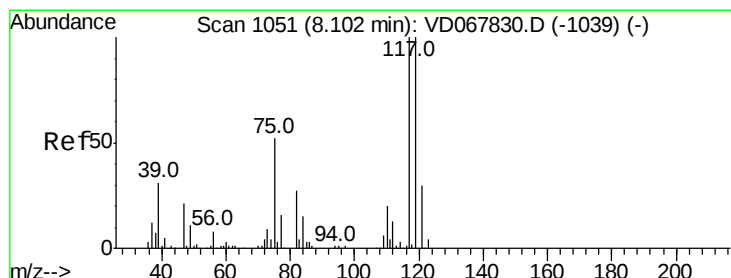
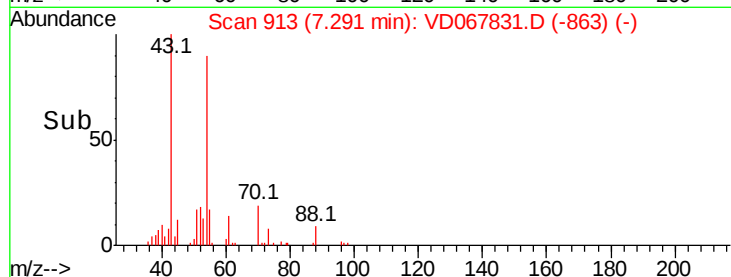
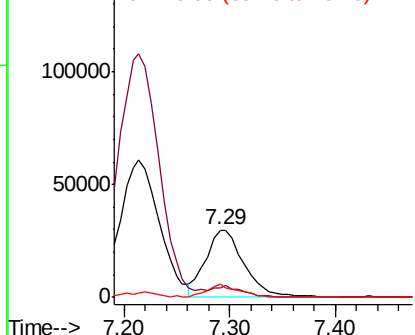
#37
Ethyl Acetate
Concen: 108.691 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD067831.D
Acq: 01 Dec 2020 12:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 74007
Ion Ratio Lower Upper
43 100
61 13.0 11.4 17.2
70 15.7 11.5 17.3

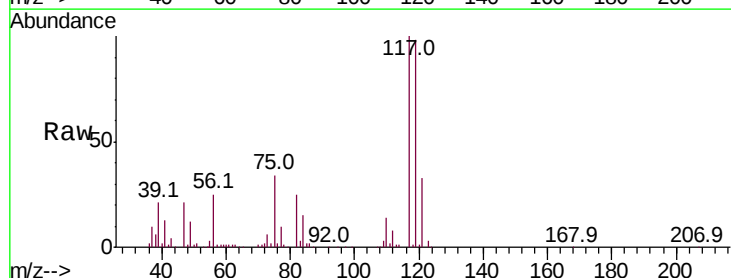


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC

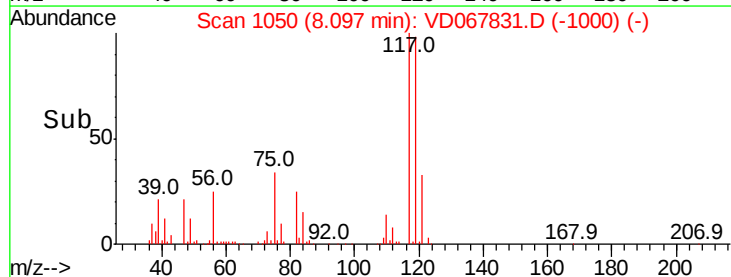
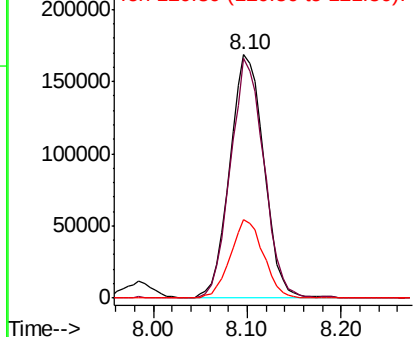


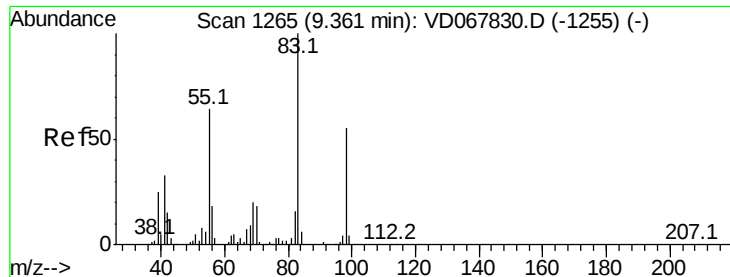
#38
Carbon Tetrachloride
Concen: 96.164 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD067831.D
Acq: 01 Dec 2020 12:22

Tgt Ion: 117 Resp: 424270
Ion Ratio Lower Upper
117 100
119 98.6 79.7 119.5
121 32.5 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

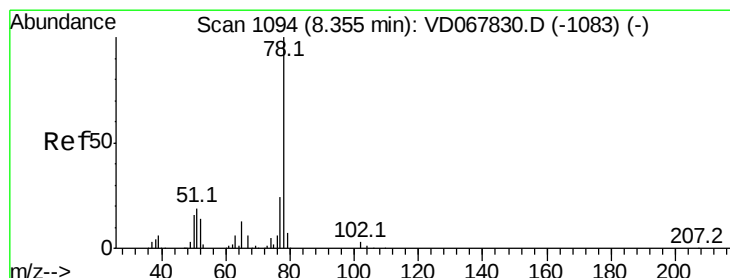
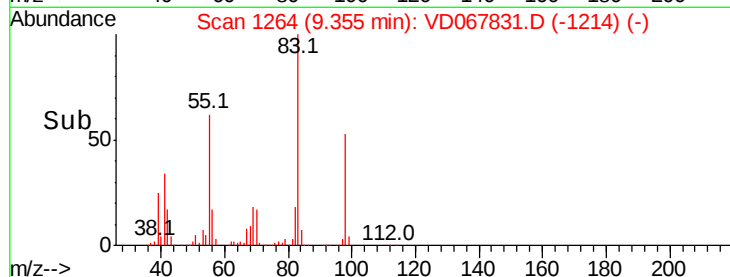
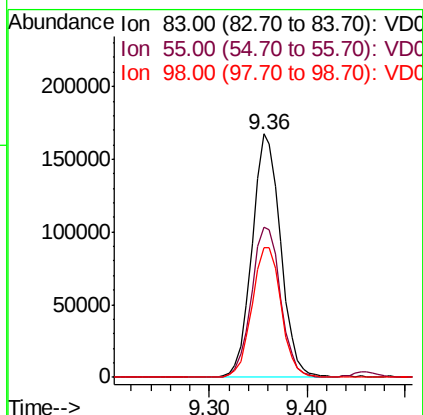
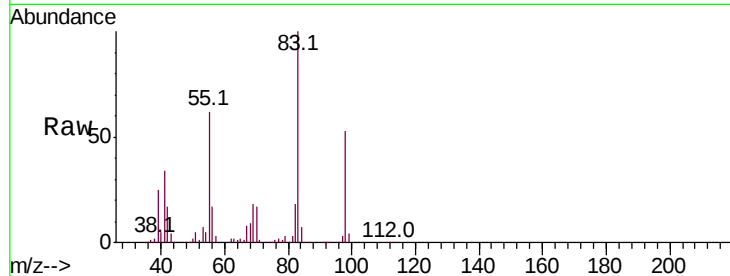




#39
Methvlcvclohexane
Concen: 99.423 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD067831.D
Acq: 01 Dec 2020 12:22

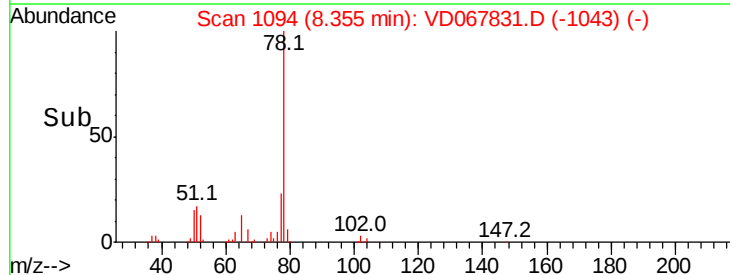
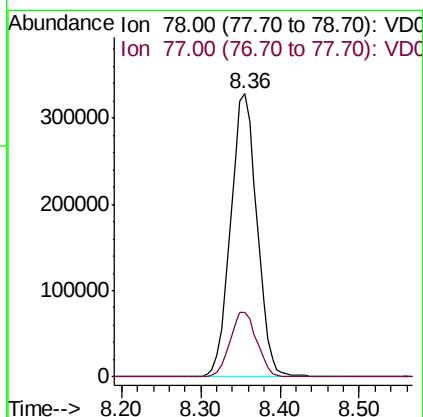
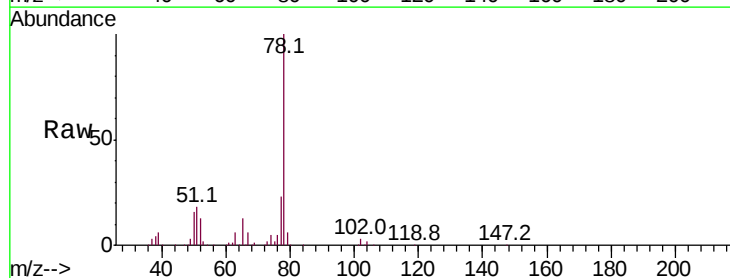
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

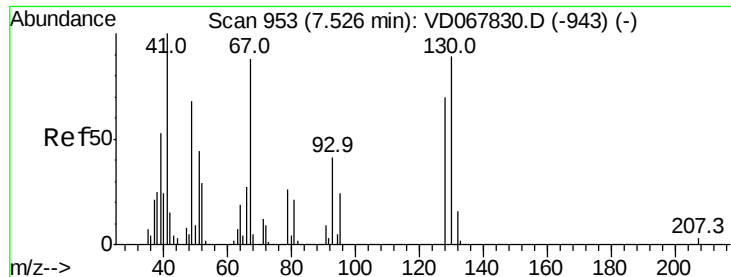
Tot Ion: 83 Resp: 343561
Ion Ratio Lower Upper
83 100
55 61.8 51.6 77.4
98 53.3 44.3 66.5



#40
Benzene
Concen: 94.852 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD067831.D
Acq: 01 Dec 2020 12:22

Tgt Ion: 78 Resp: 756812
Ion Ratio Lower Upper
78 100
77 22.7 19.1 28.7

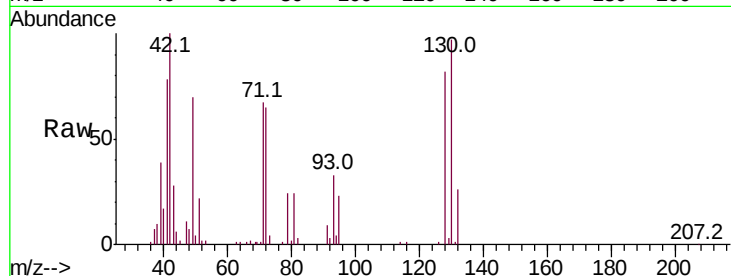




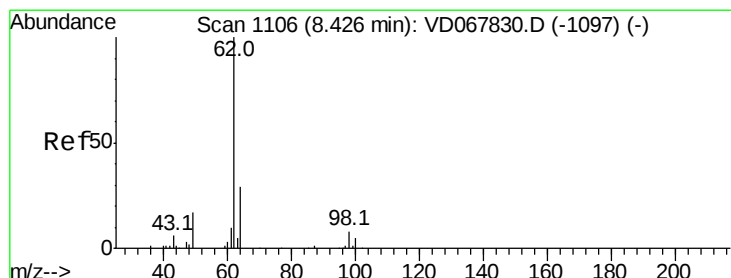
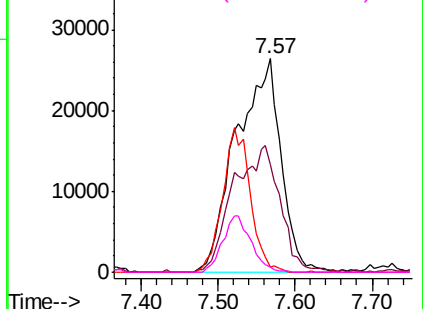
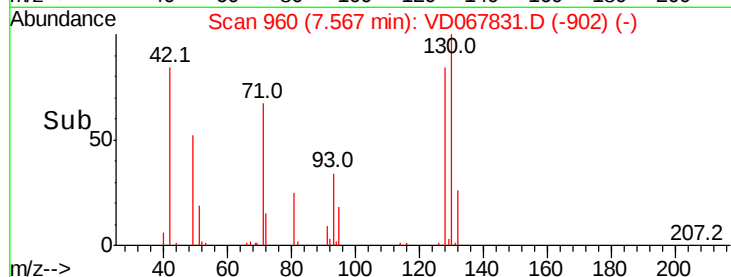
#41
Methacrylonitrile
Concen: 279.739 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.04 min
Lab File: VD067831.D
Acq: 01 Dec 2020 12:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 41 Resp: 106890
Ion Ratio Lower Upper
41 100
39 62.2 42.1 63.1
67 0.0 82.4 123.6#
52 0.0 30.6 45.8#

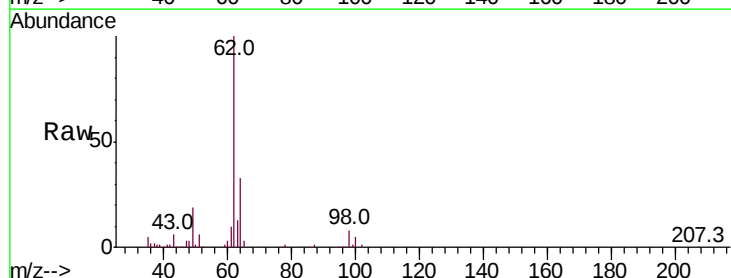


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

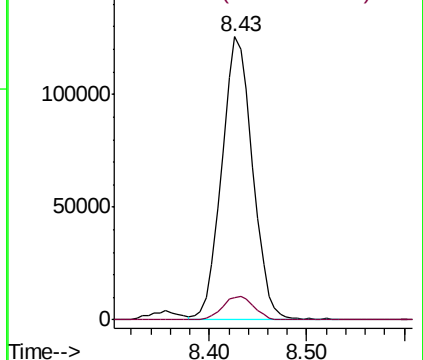
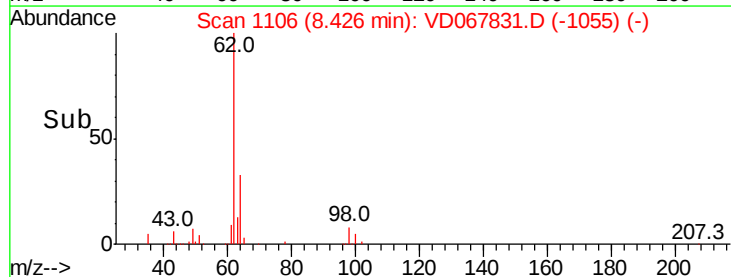


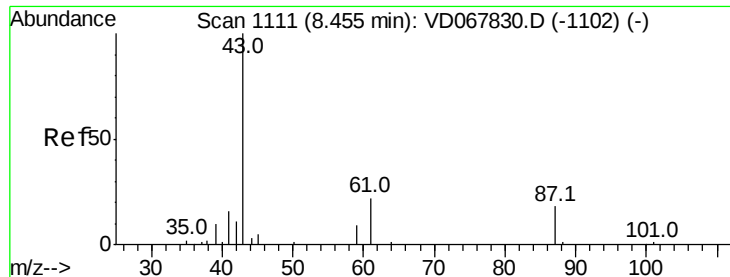
#42
1,2-Dichloroethane
Concen: 96.382 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD067831.D
Acq: 01 Dec 2020 12:22

Tgt Ion: 62 Resp: 274083
Ion Ratio Lower Upper
62 100
98 8.6 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: 99.160 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD067831.D

Acq: 01 Dec 2020 12:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

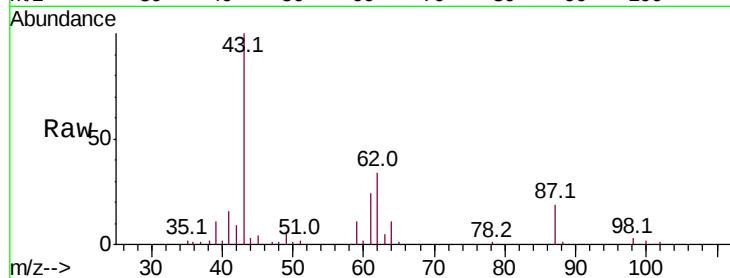
Tot Ion: 43 Resp: 153335

Ion Ratio Lower Upper

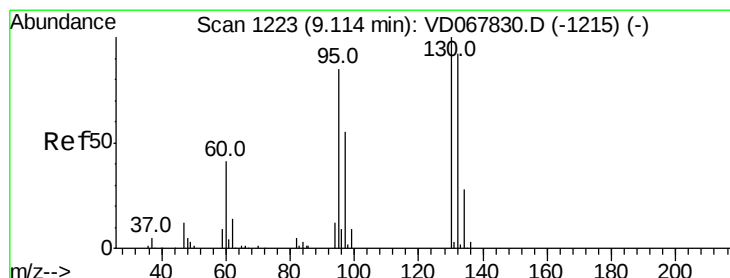
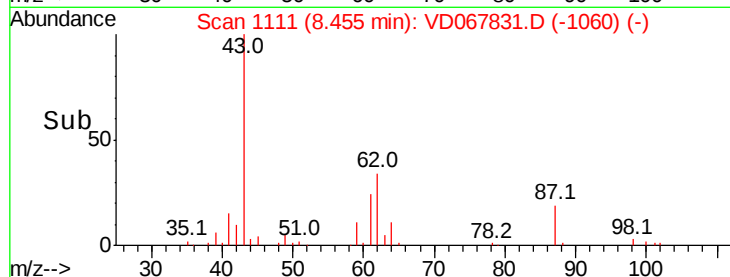
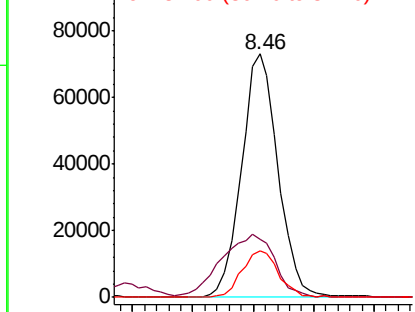
43 100

61 38.2 30.4 45.6

87 19.1 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: 95.463 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD067831.D

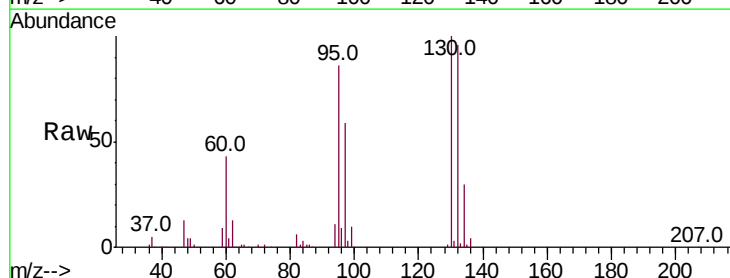
Acq: 01 Dec 2020 12:22

Tgt Ion:130 Resp: 261878

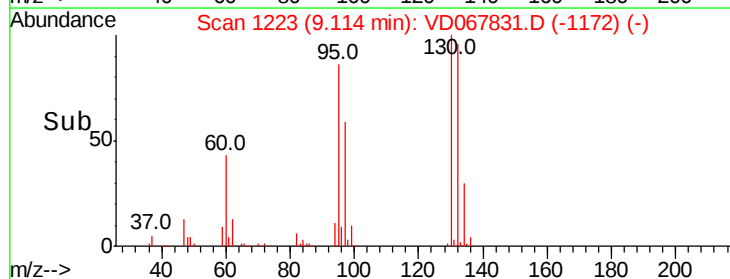
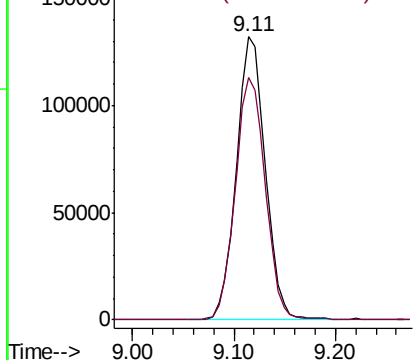
Ion Ratio Lower Upper

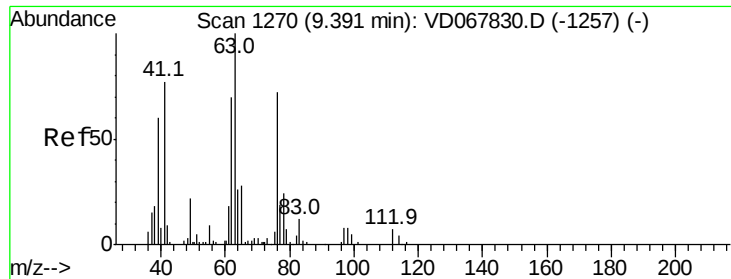
130 100

95 85.8 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: 96.735 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD067831.D

Acq: 01 Dec 2020 12:22

Instrument :

MSVOA_D

ClientSampleId :

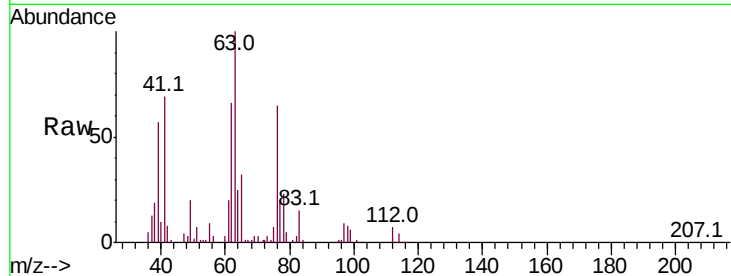
VSTDIC100

Tot Ion: 63 Resp: 158414

Ion Ratio Lower Upper

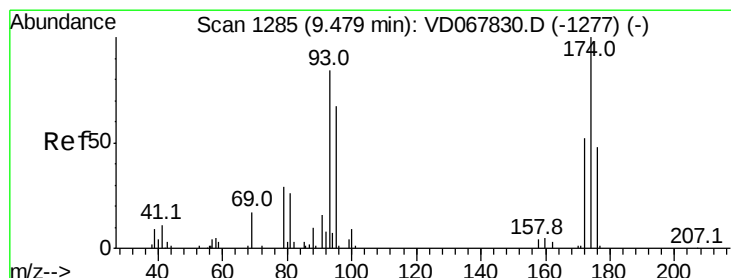
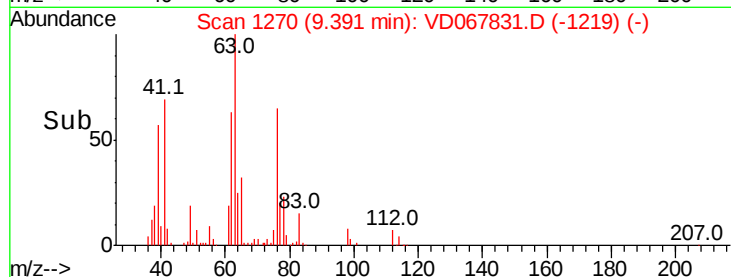
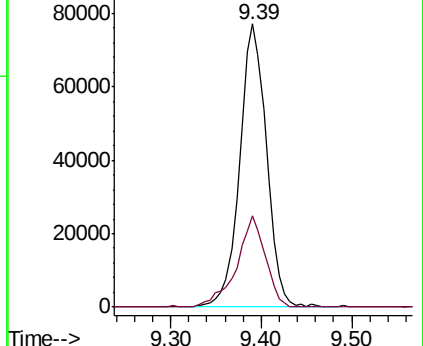
63 100

65 32.4 22.8 34.2



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 97.187 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD067831.D

Acq: 01 Dec 2020 12:22

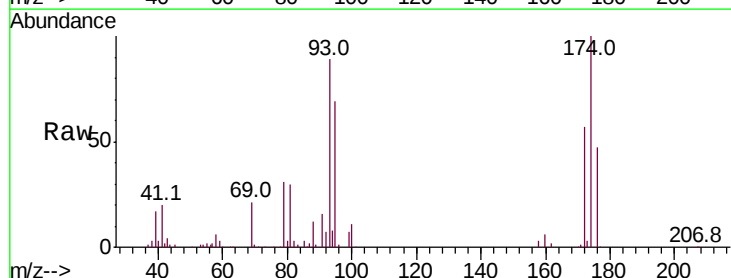
Tgt Ion: 93 Resp: 110656

Ion Ratio Lower Upper

93 100

95 81.0 64.2 96.4

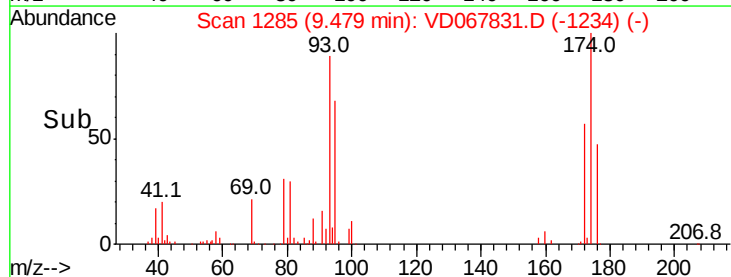
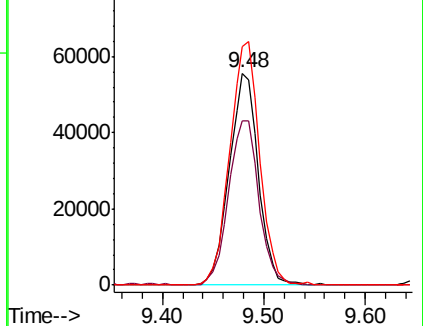
174 117.5 91.5 137.3

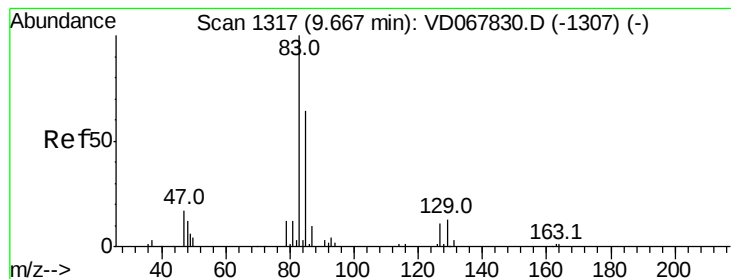


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 95.105 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD067831.D

Acq: 01 Dec 2020 12:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

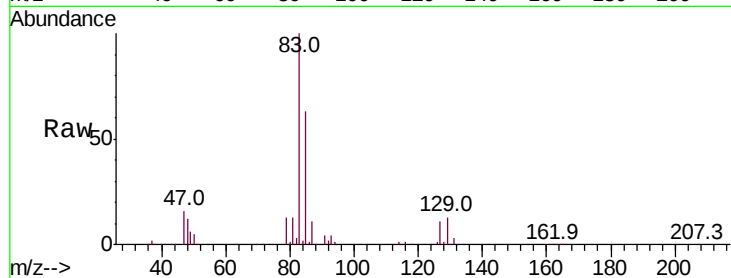
Tot Ion: 83 Resp: 308708

Ion Ratio Lower Upper

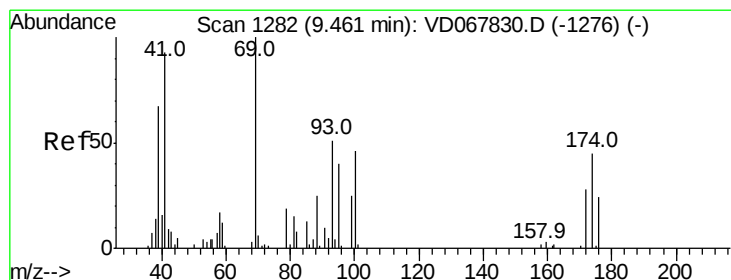
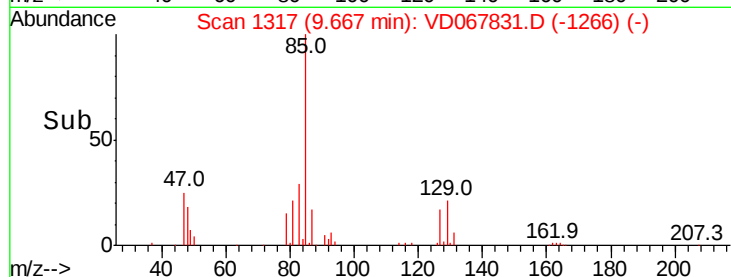
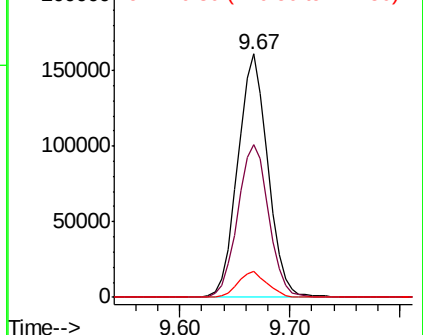
83 100

85 62.8 51.4 77.0

127 10.9 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: 102.781 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD067831.D

Acq: 01 Dec 2020 12:22

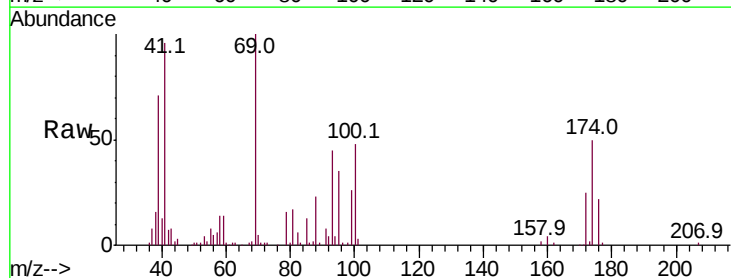
Tgt Ion: 41 Resp: 80704

Ion Ratio Lower Upper

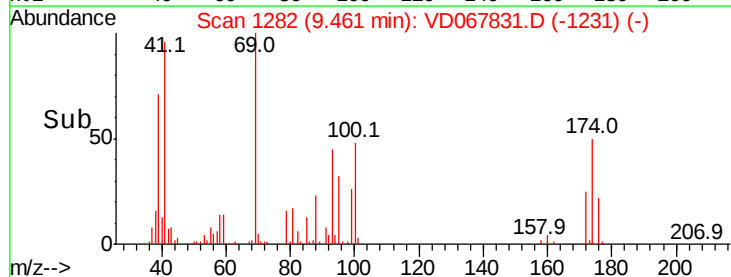
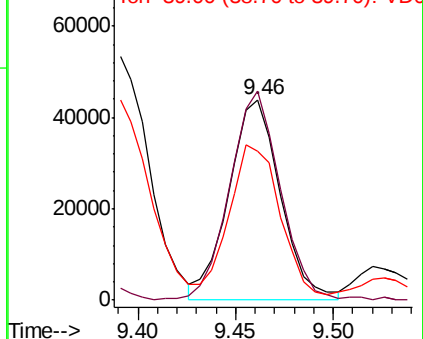
41 100

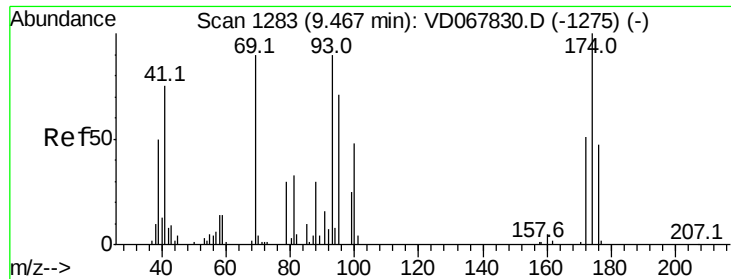
69 102.5 87.6 131.4

39 72.1 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

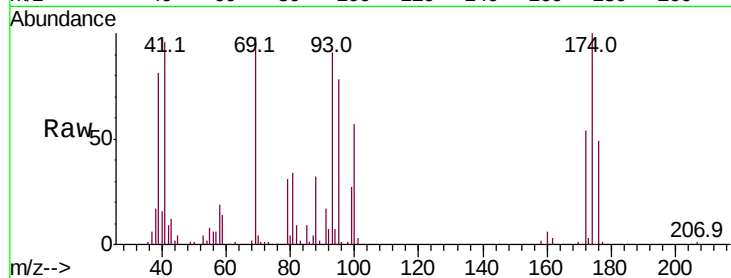




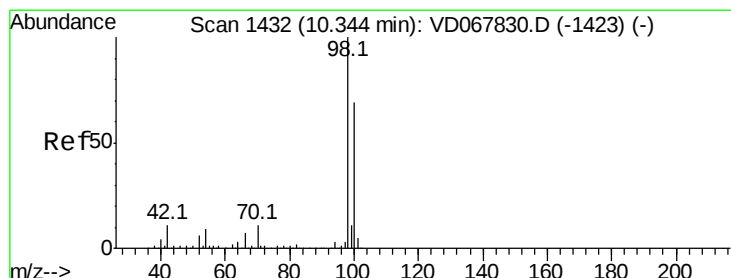
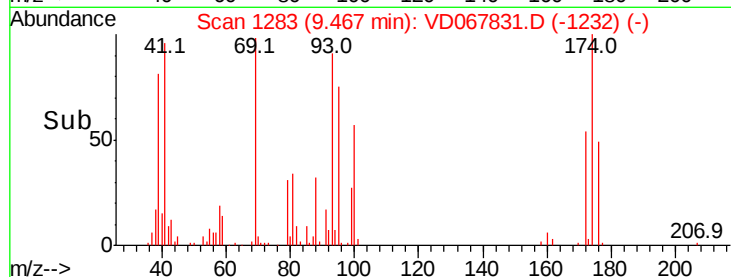
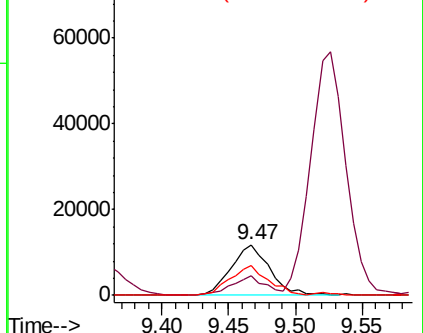
#49
1,4-Dioxane
Concen: 1815.194 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD067831.D
Acq: 01 Dec 2020 12:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

Tot Ion: 88 Resp: 23616
Ion Ratio Lower Upper
88 100
43 34.2 30.1 45.1
58 58.3 42.4 63.6

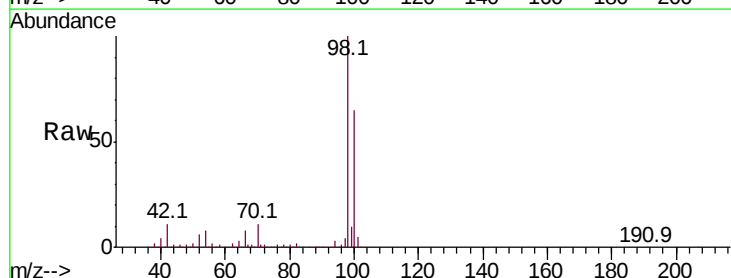


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

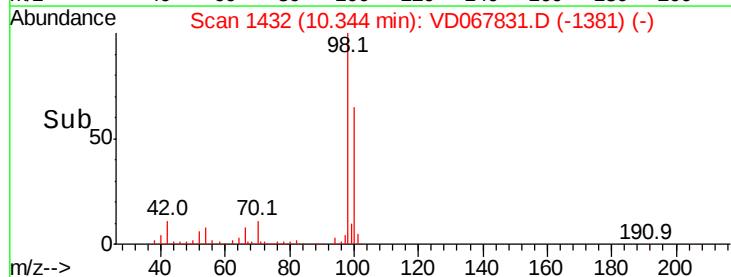
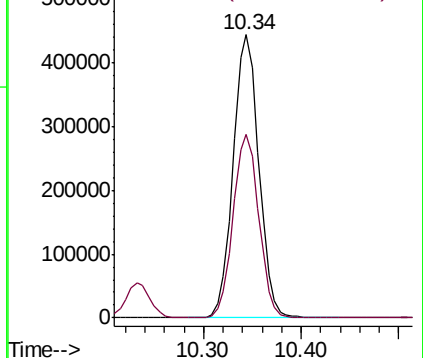


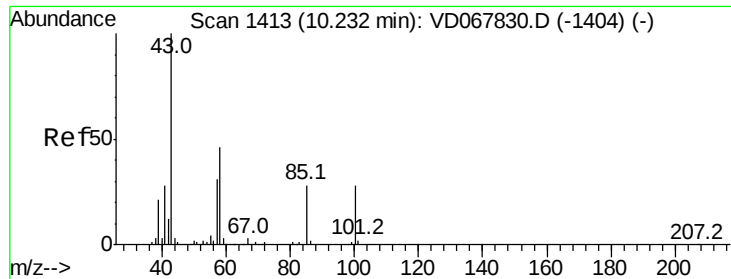
#50
Toluene-d8
Concen: 99.944 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067831.D
Acq: 01 Dec 2020 12:22

Tgt Ion: 98 Resp: 810908
Ion Ratio Lower Upper
98 100
100 64.7 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: 486.770 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD067831.D

Acq: 01 Dec 2020 12:22

Instrument :

MSVOA_D

ClientSampleId :

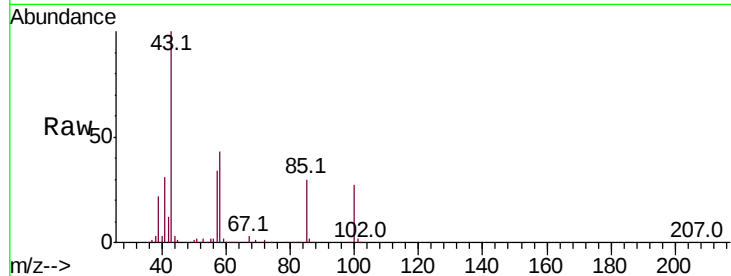
VSTDIC100

Tot Ion: 43 Resp: 356248

Ion Ratio Lower Upper

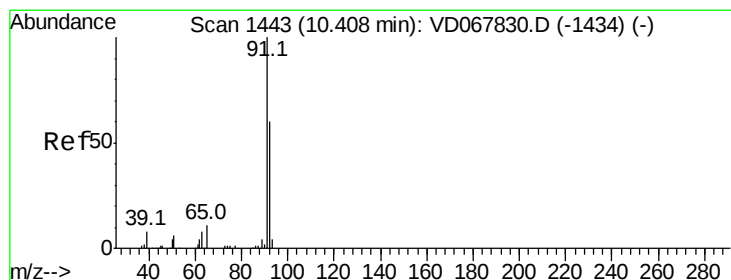
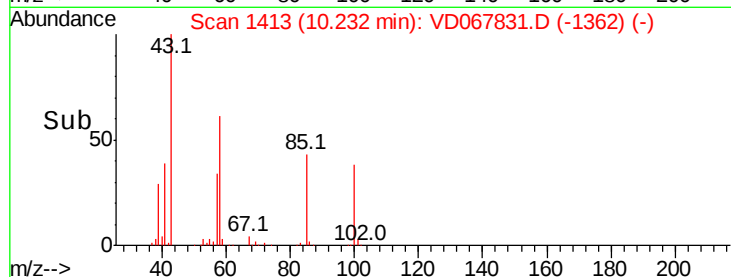
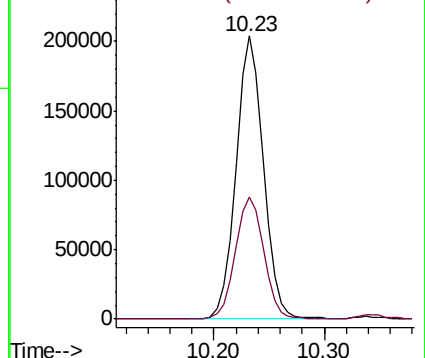
43 100

58 44.7 35.7 53.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 95.688 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD067831.D

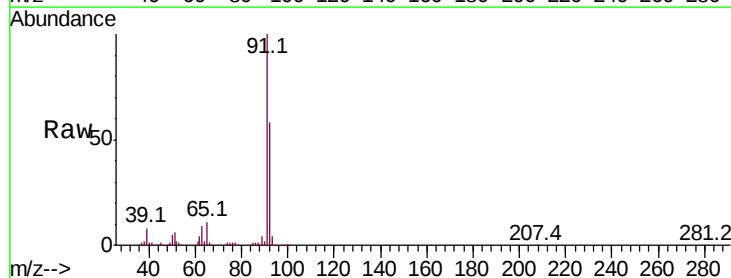
Acq: 01 Dec 2020 12:22

Tgt Ion: 92 Resp: 533792

Ion Ratio Lower Upper

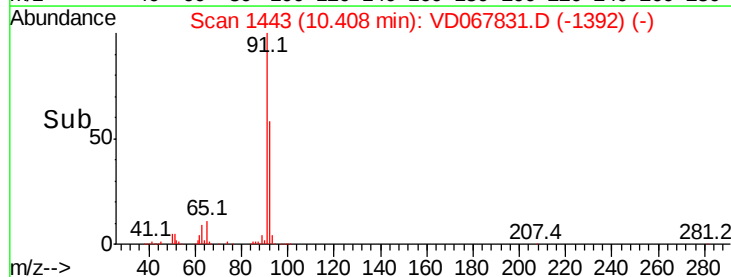
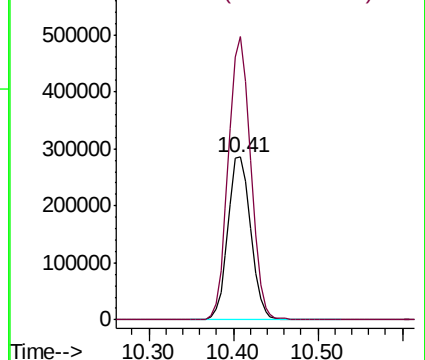
92 100

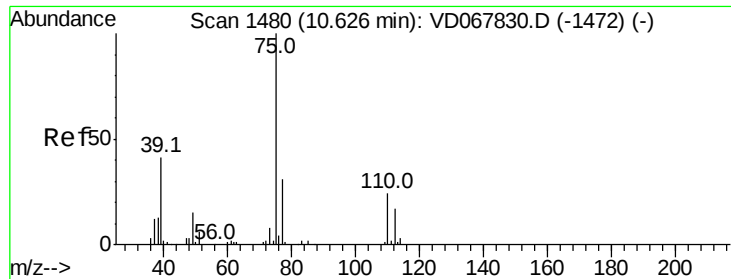
91 170.0 134.2 201.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 97.743 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD067831.D

Acq: 01 Dec 2020 12:22

Instrument :

MSVOA_D

ClientSampleId :

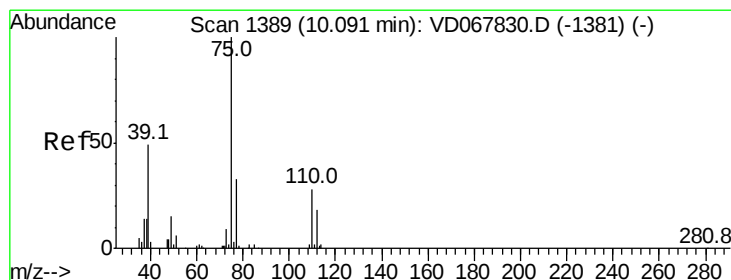
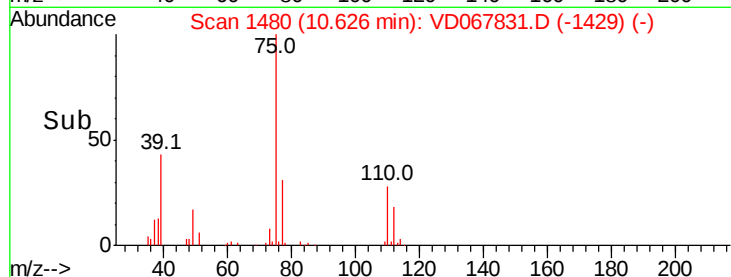
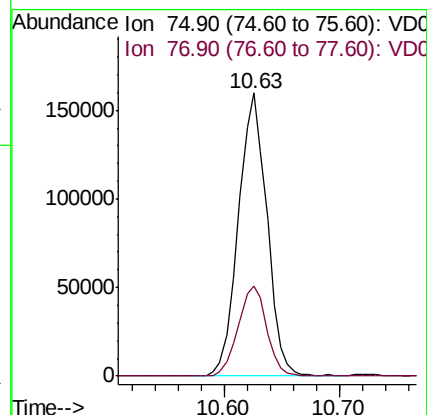
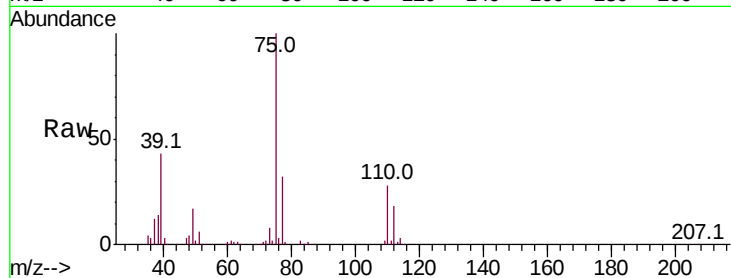
VSTDIC100

Tot Ion: 75 Resp: 273842

Ion Ratio Lower Upper

75 100

77 31.7 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 99.017 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD067831.D

Acq: 01 Dec 2020 12:22

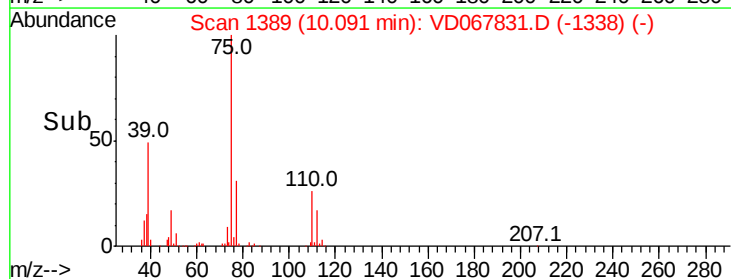
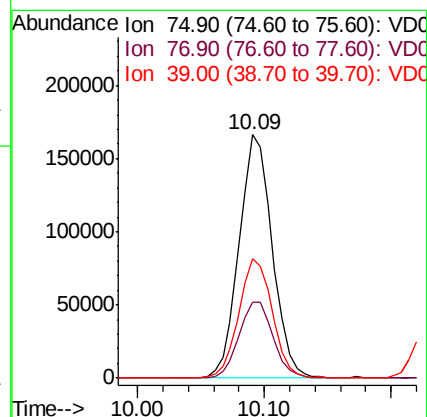
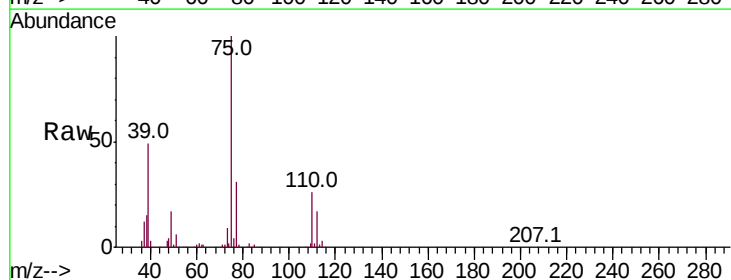
Tgt Ion: 75 Resp: 301751

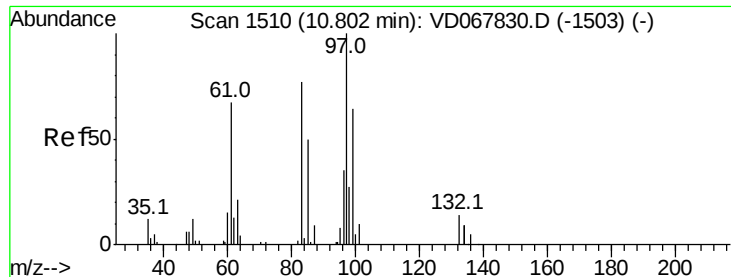
Ion Ratio Lower Upper

75 100

77 31.4 26.2 39.2

39 48.7 39.0 58.4

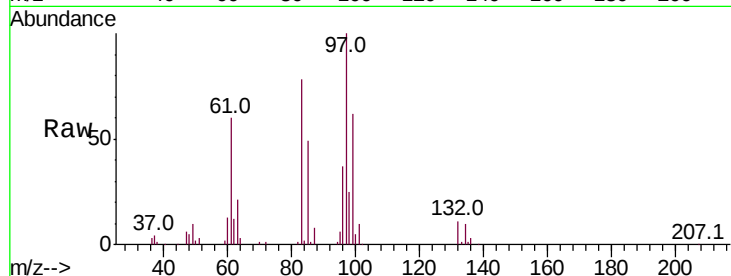




#55
 1,1,2-Trichloroethane
 Concen: 92.866 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD067831.D
 Acq: 01 Dec 2020 12:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Resp	Lower	Upper
97	100		
83	78.4	61.9	92.9
85	48.8	40.2	60.4
99	62.4	51.0	76.6



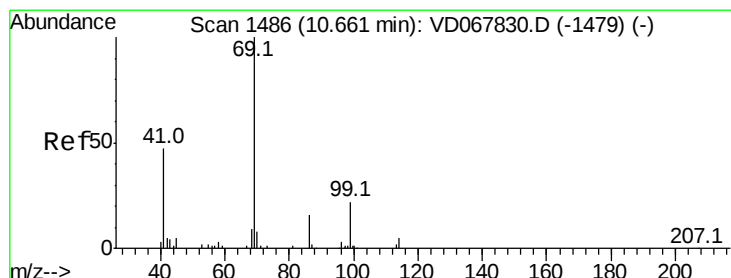
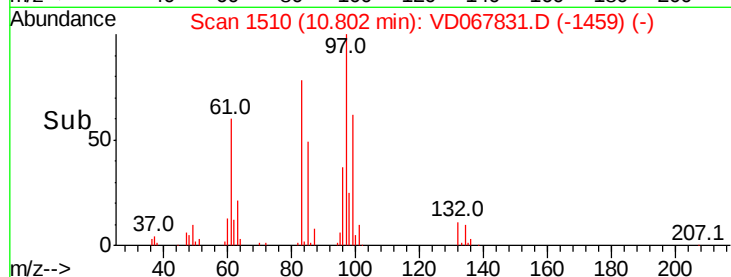
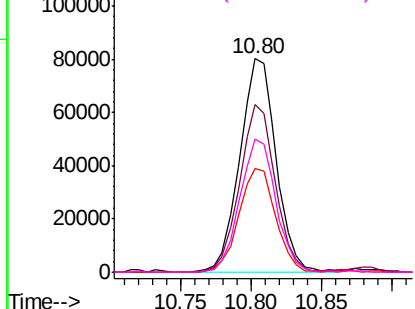
Abundance

Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

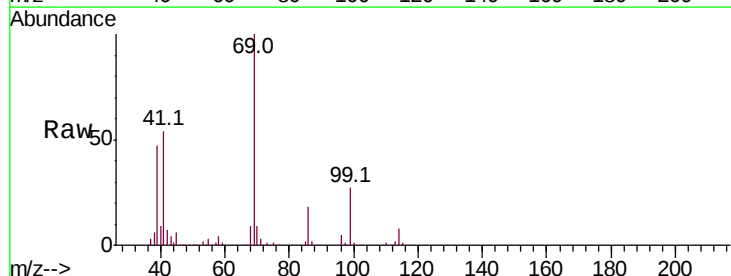
Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56
 Ethyl methacrylate
 Concen: 99.670 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD067831.D
 Acq: 01 Dec 2020 12:22

Tgt Ion	Resp	Lower	Upper
69	100		
41	53.5	42.8	64.2
39	39.3	30.5	45.7

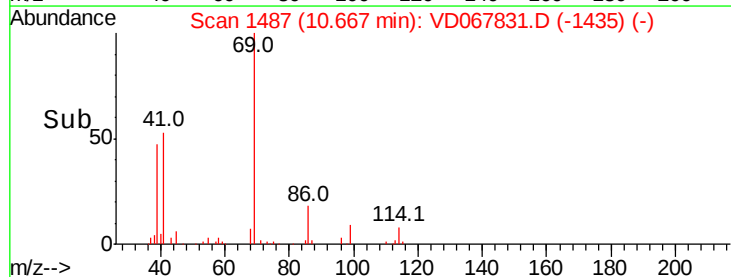
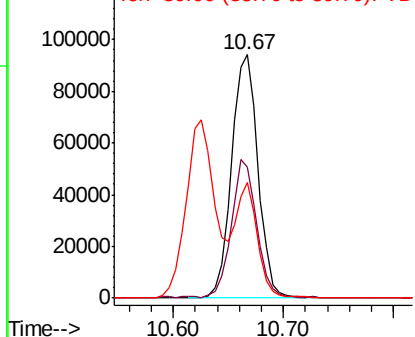


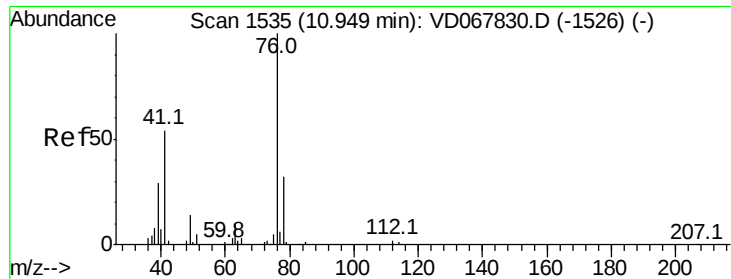
Abundance

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: 92.713 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD067831.D

Acq: 01 Dec 2020 12:22

Instrument :

MSVOA_D

ClientSampleId :

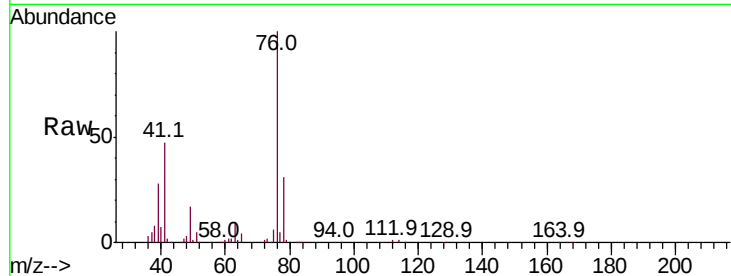
VSTDIC100

Tot Ion: 76 Resp: 228838

Ion Ratio Lower Upper

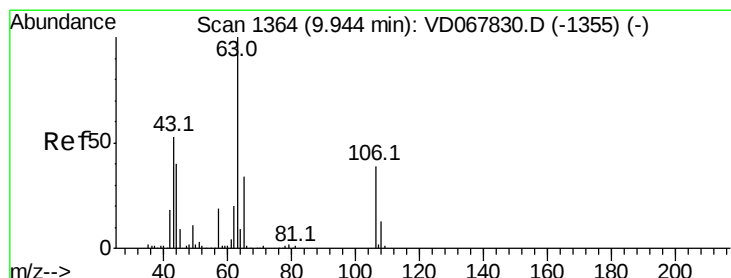
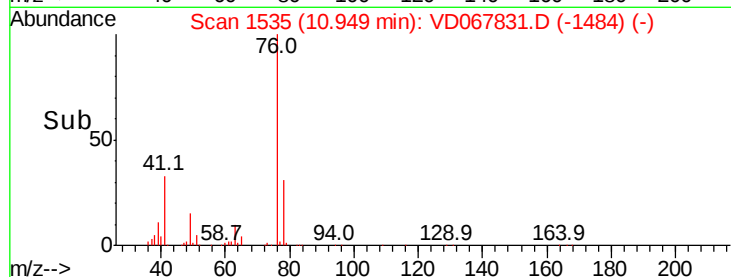
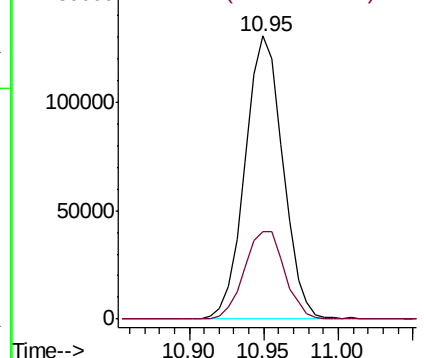
76 100

78 33.3 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: 528.364 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD067831.D

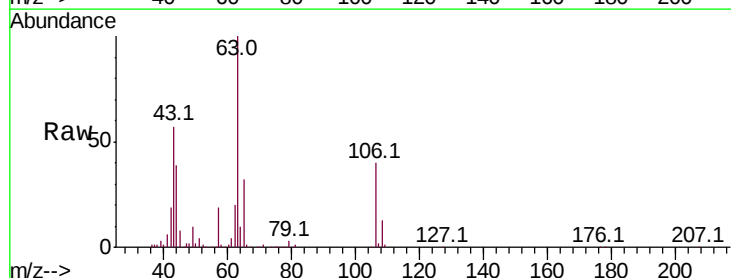
Acq: 01 Dec 2020 12:22

Tgt Ion: 63 Resp: 381160

Ion Ratio Lower Upper

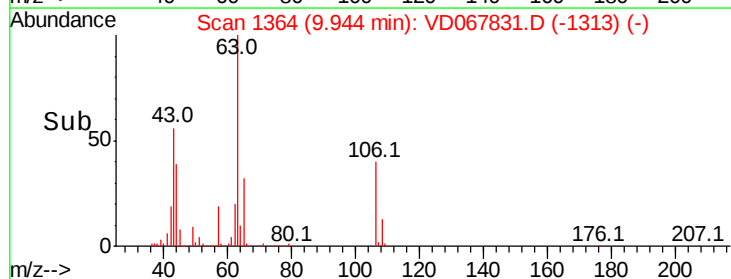
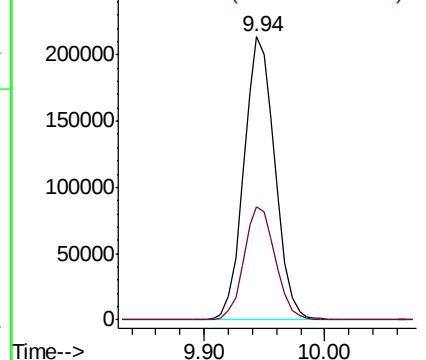
63 100

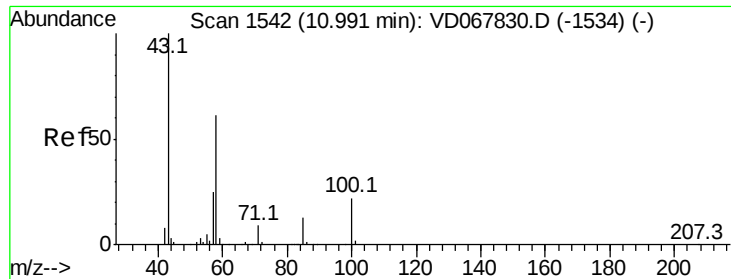
106 40.7 32.0 48.0



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

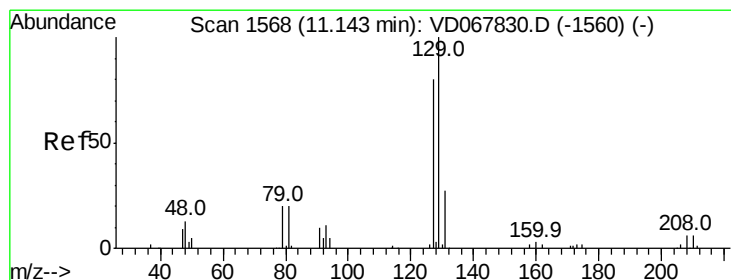
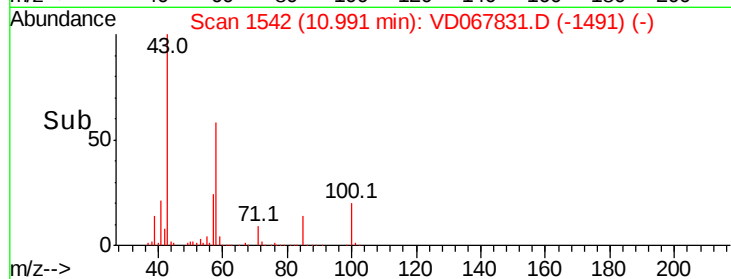
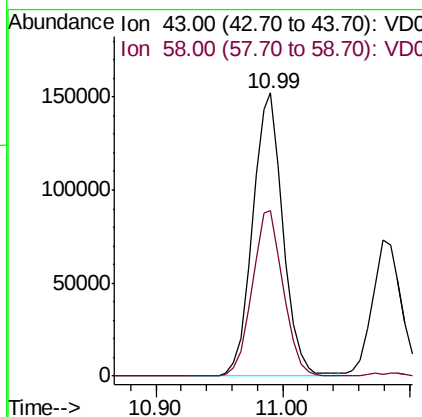
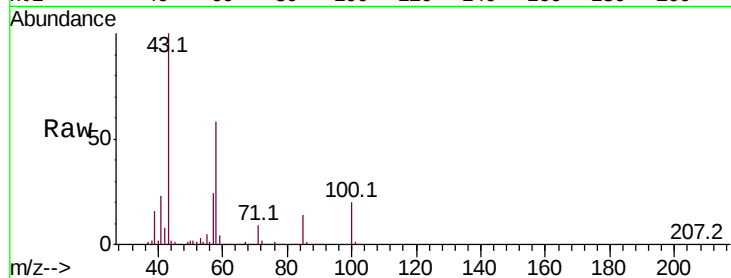




#59
2-Hexanone
Concen: 489.963 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD067831.D
Acq: 01 Dec 2020 12:22

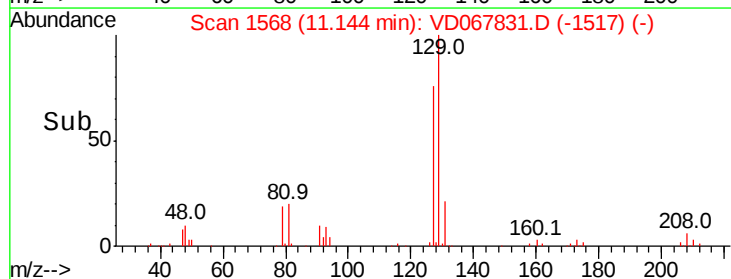
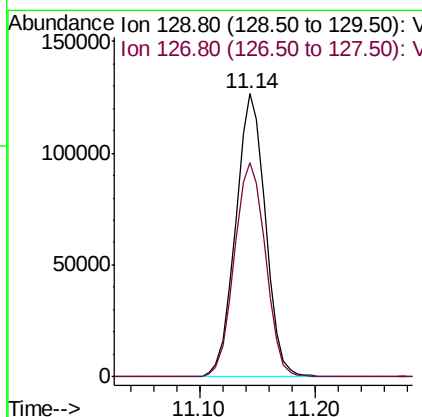
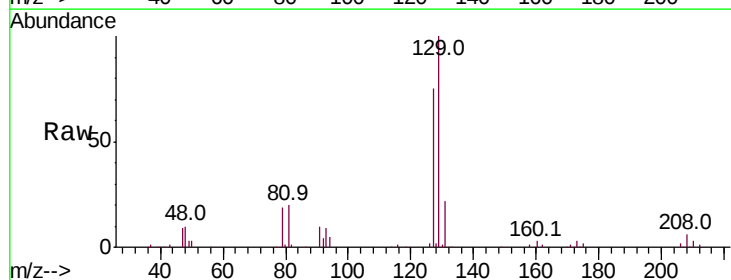
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

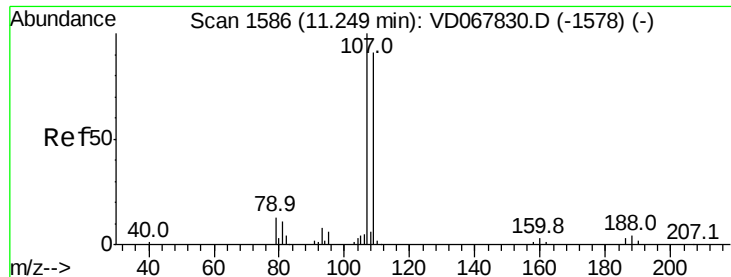
Tot Ion: 43 Resp: 252783
Ion Ratio Lower Upper
43 100
58 59.9 29.9 89.7



#60
Dibromochloromethane
Concen: 96.169 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD067831.D
Acq: 01 Dec 2020 12:22

Tgt Ion: 129 Resp: 225885
Ion Ratio Lower Upper
129 100
127 79.0 39.2 117.6

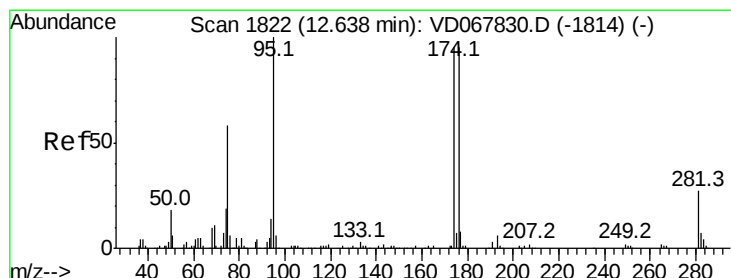
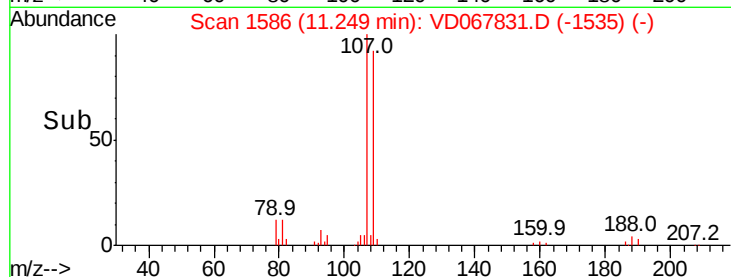
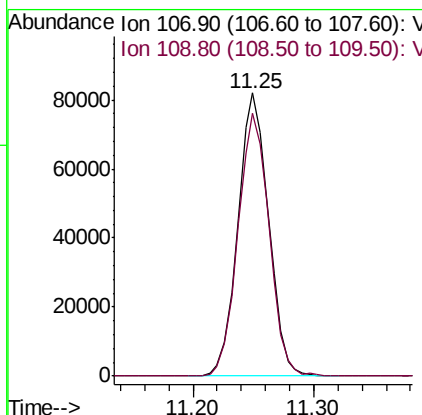
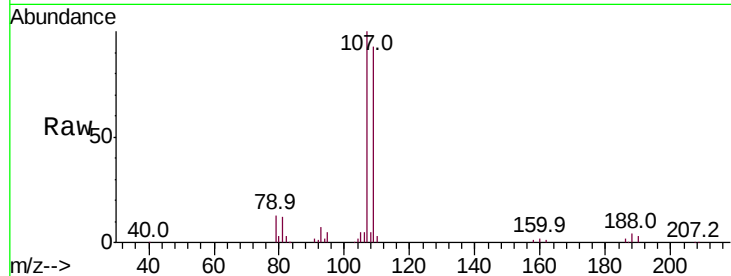




#61
 1,2-Dibromoethane
 Concen: 94.757 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD067831.D
 Acq: 01 Dec 2020 12:22

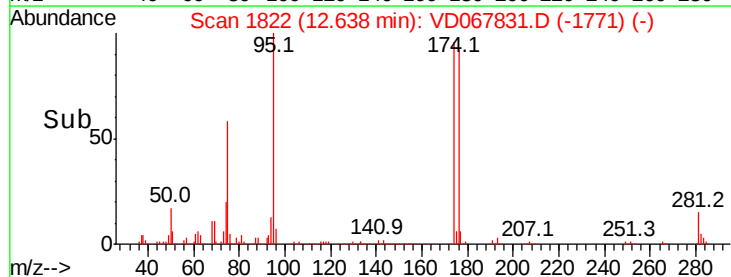
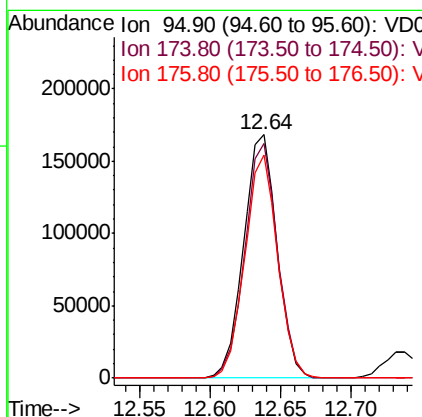
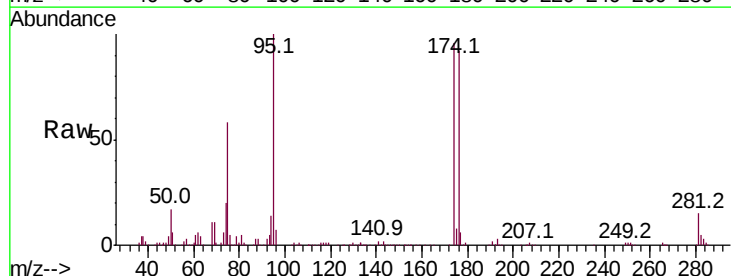
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

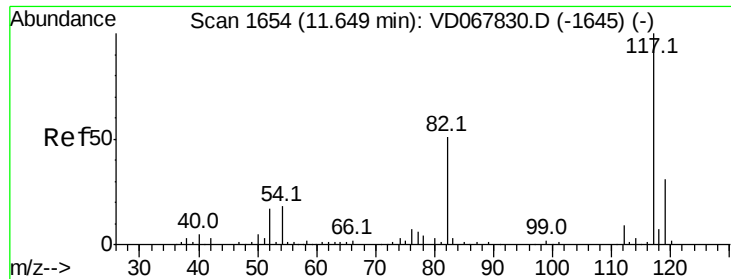
Tot Ion:107 Resp: 145196
 Ion Ratio Lower Upper
 107 100
 109 94.3 75.9 113.9



#62
 4-Bromofluorobenzene
 Concen: 99.707 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067831.D
 Acq: 01 Dec 2020 12:22

Tgt Ion: 95 Resp: 279689
 Ion Ratio Lower Upper
 95 100
 174 94.6 0.0 186.0
 176 89.8 0.0 184.2

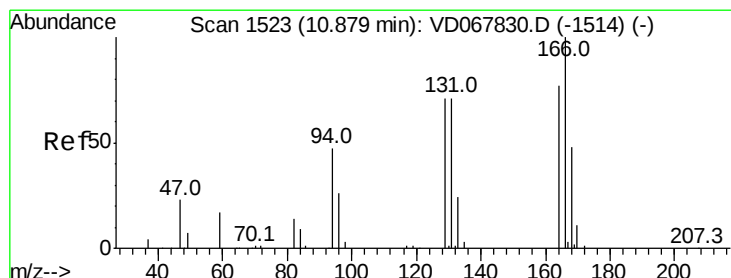
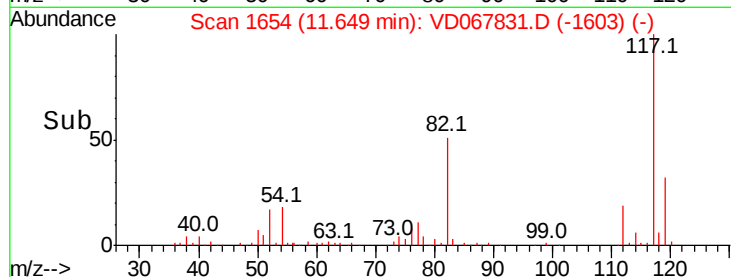
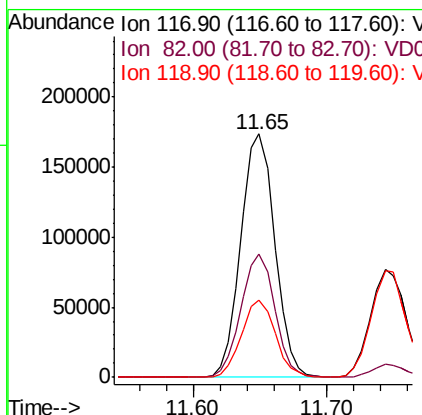
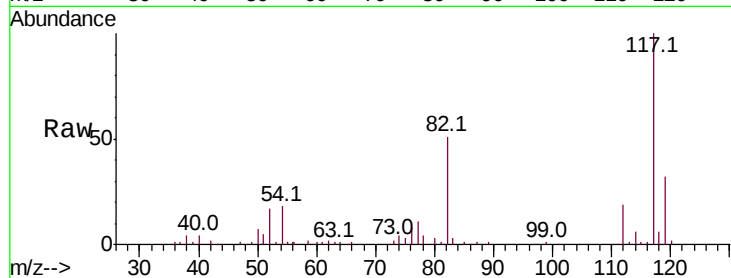




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067831.D
Acq: 01 Dec 2020 12:22

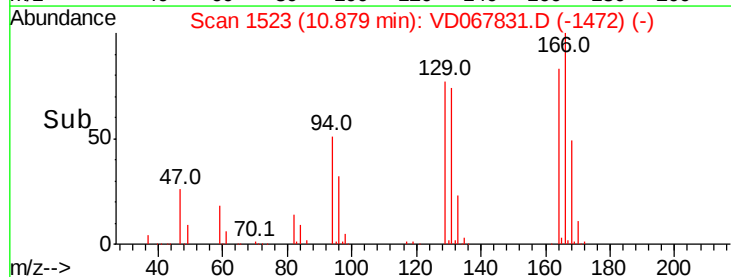
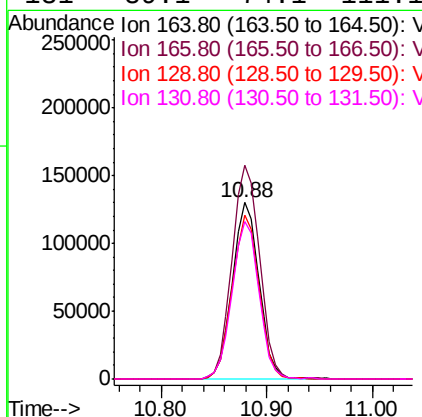
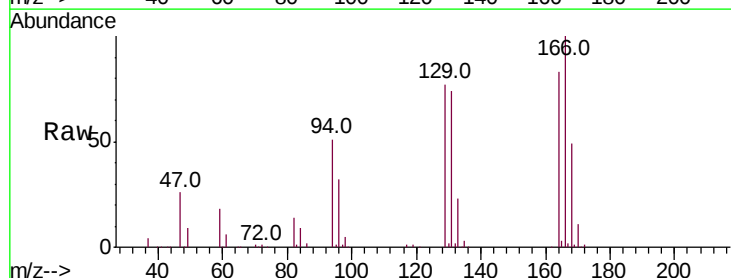
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

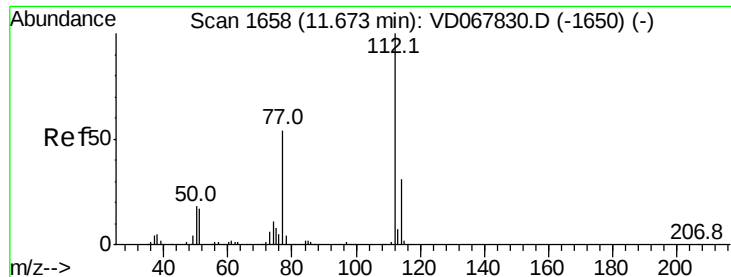
Tot Ion:117 Resp: 306978
Ion Ratio Lower Upper
117 100
82 50.7 40.6 60.8
119 31.7 25.1 37.7



#64
Tetrachloroethene
Concen: 90.615 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067831.D
Acq: 01 Dec 2020 12:22

Tgt Ion:164 Resp: 226897
Ion Ratio Lower Upper
164 100
166 121.0 103.8 155.6
129 92.7 73.3 109.9
131 89.1 74.1 111.1

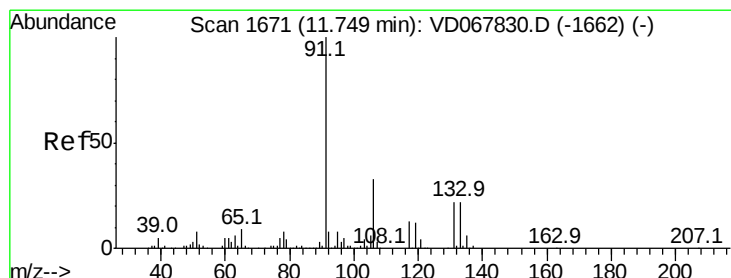
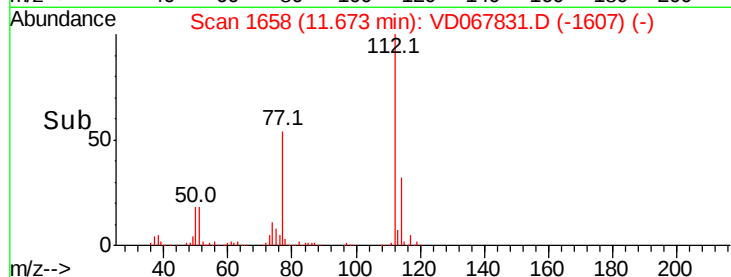
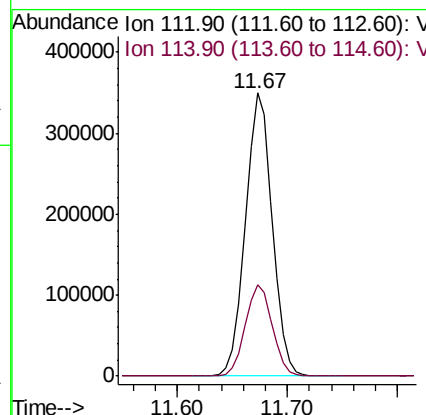
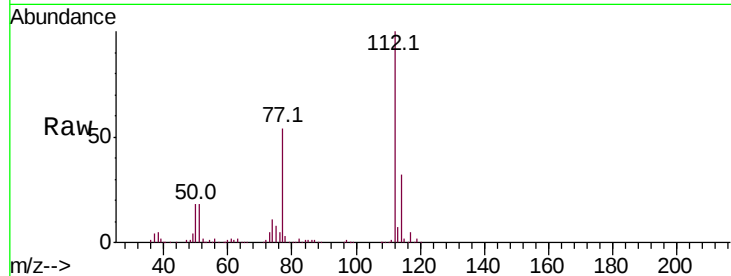




#65
Chlorobenzene
Concen: 94.334 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD067831.D
Acq: 01 Dec 2020 12:22

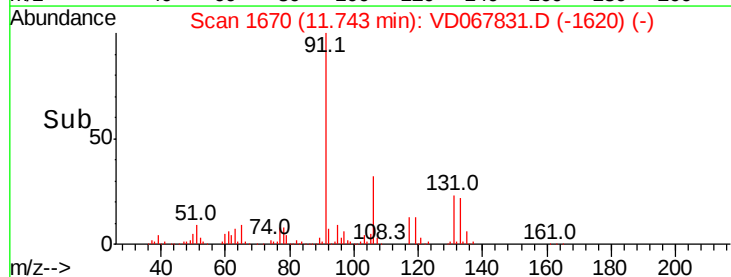
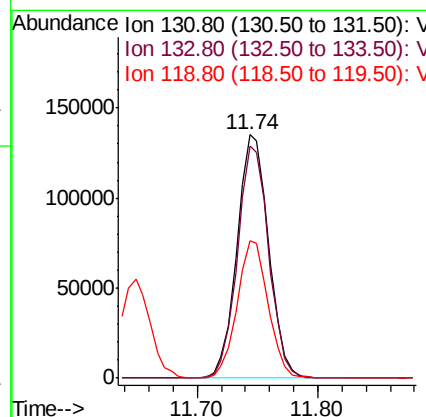
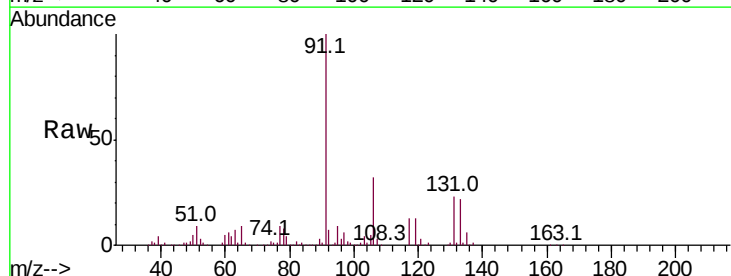
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

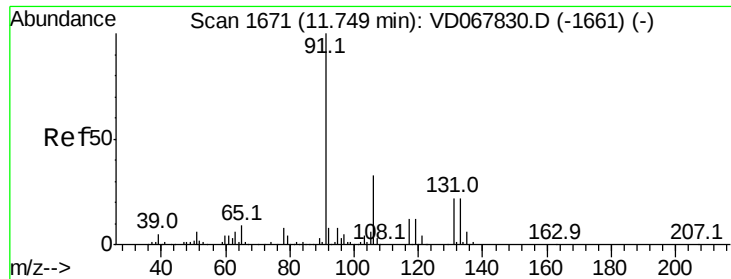
Tot Ion:112 Resp: 597523
Ion Ratio Lower Upper
112 100
114 32.2 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 95.403 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VD067831.D
Acq: 01 Dec 2020 12:22

Tgt Ion:131 Resp: 246471
Ion Ratio Lower Upper
131 100
133 94.5 49.9 149.7
119 55.4 29.6 88.9

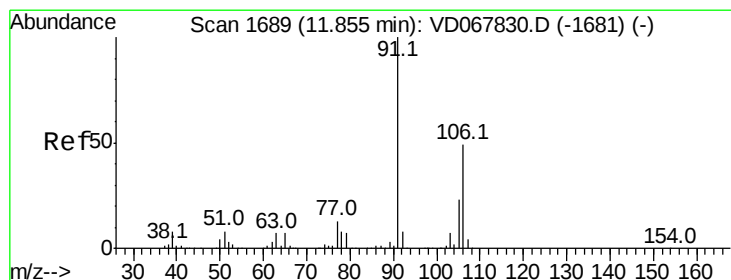
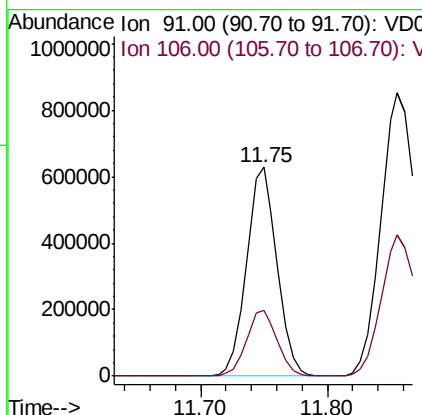
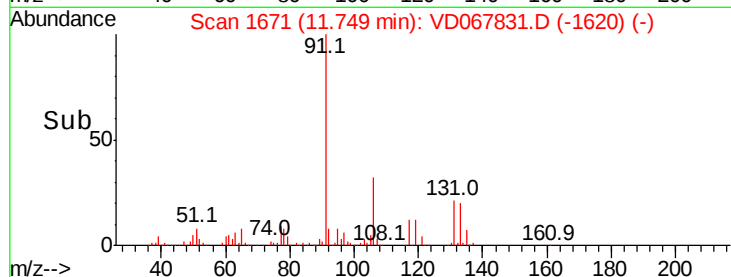
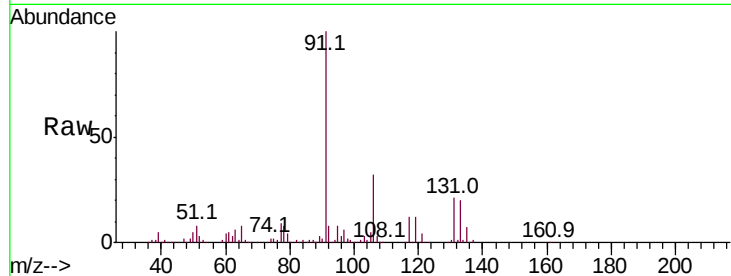




#67
Ethyl Benzene
Concen: 96.760 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067831.D
Acq: 01 Dec 2020 12:22

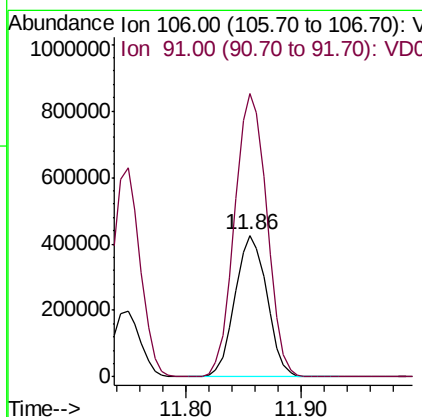
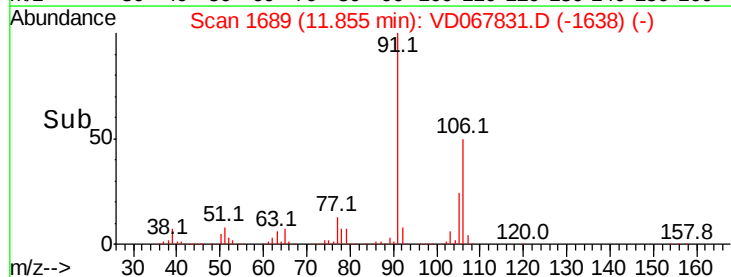
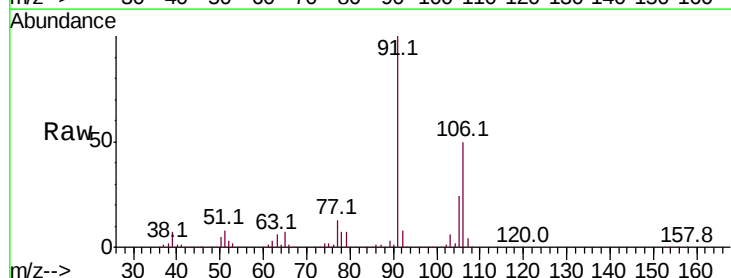
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

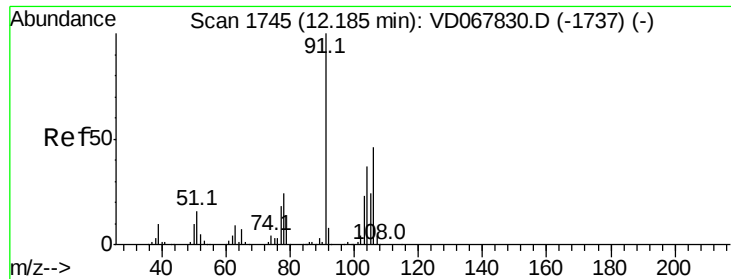
Tot Ion: 91 Resp: 1044060
Ion Ratio Lower Upper
91 100
106 31.5 26.2 39.2



#68
m/p-Xylenes
Concen: 191.886 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD067831.D
Acq: 01 Dec 2020 12:22

Tgt Ion: 106 Resp: 816414
Ion Ratio Lower Upper
106 100
91 202.2 162.8 244.2

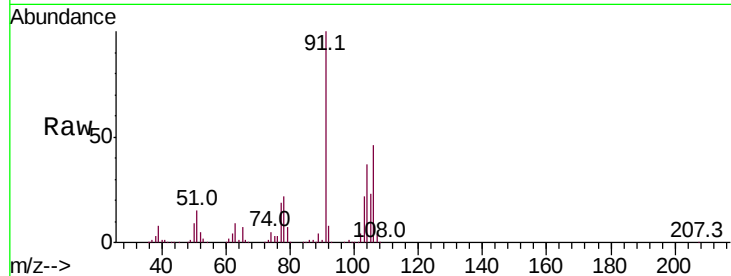




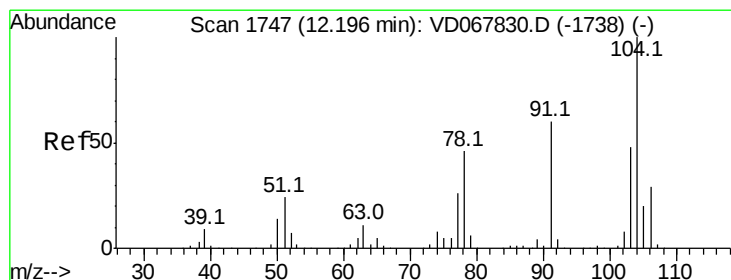
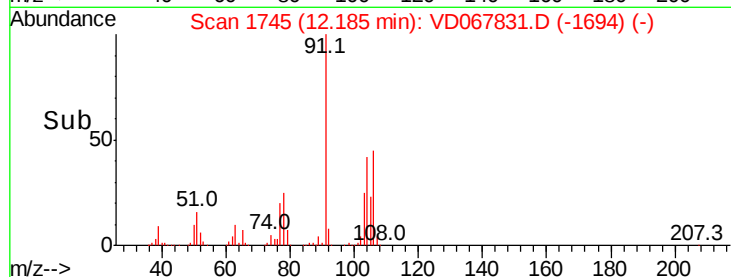
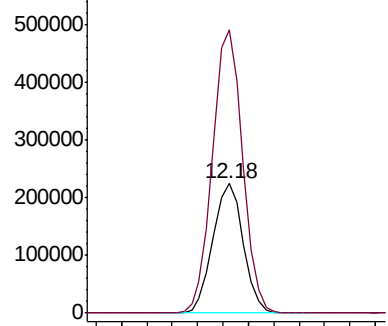
#69
o-Xylene
Concen: 98.740 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067831.D
Acq: 01 Dec 2020 12:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion:106 Resp: 372958
Ion Ratio Lower Upper
106 100
91 217.2 107.5 322.5

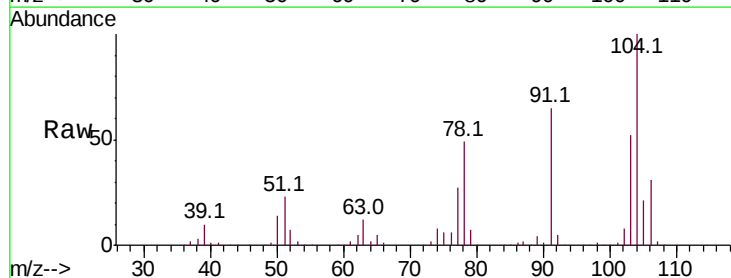


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VDC

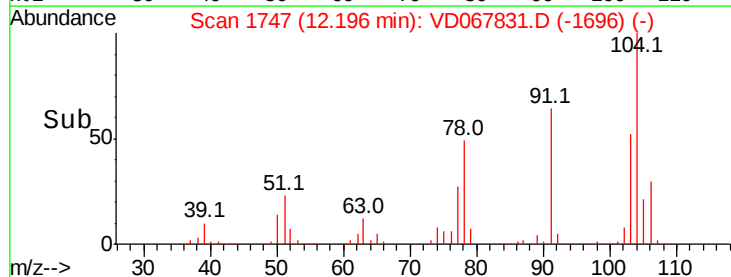
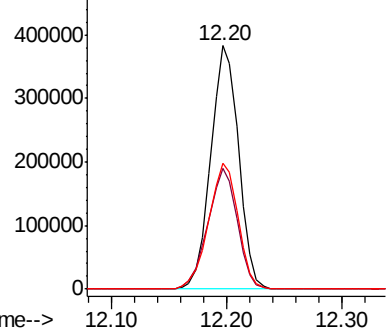


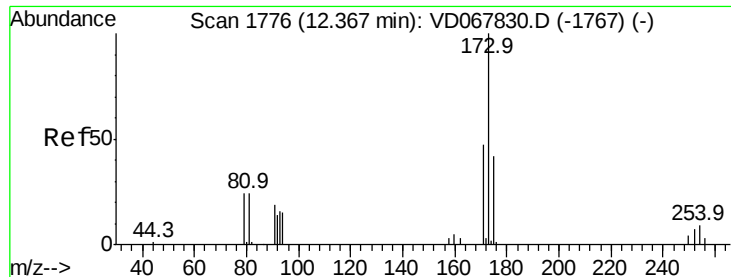
#70
Styrene
Concen: 97.200 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD067831.D
Acq: 01 Dec 2020 12:22

Tgt Ion:104 Resp: 638406
Ion Ratio Lower Upper
104 100
78 52.6 41.6 62.4
103 54.7 43.2 64.8



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VDC
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 95.507 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.01 min

Lab File: VD067831.D

Acq: 01 Dec 2020 12:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

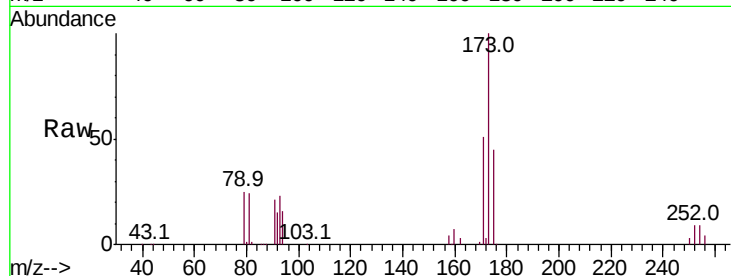
Tot Ion:173 Resp: 130609

Ion Ratio Lower Upper

173 100

175 48.3 23.4 70.3

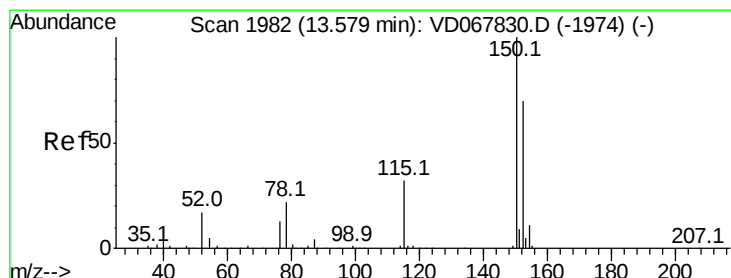
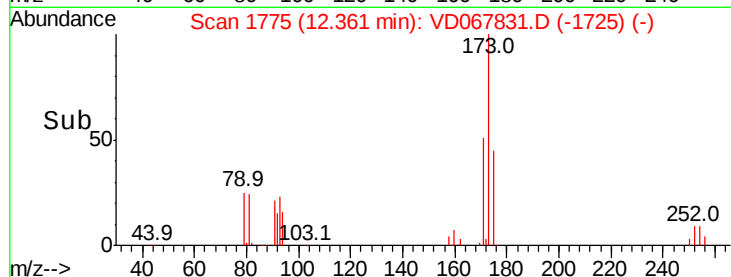
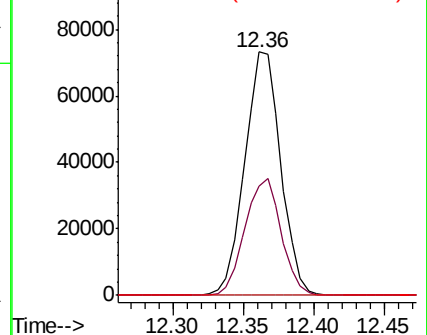
254 0.1 0.1 0.1#



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: VD067831.D

Acq: 01 Dec 2020 12:22

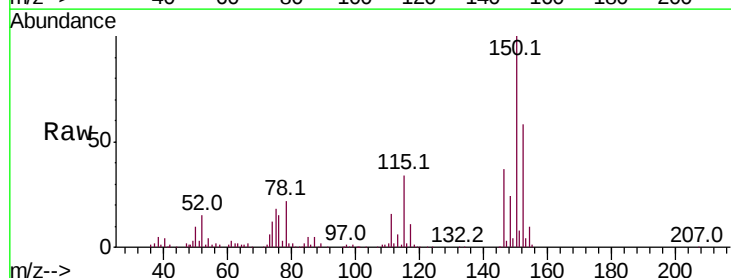
Tgt Ion:152 Resp: 154732

Ion Ratio Lower Upper

152 100

115 58.6 29.1 87.4

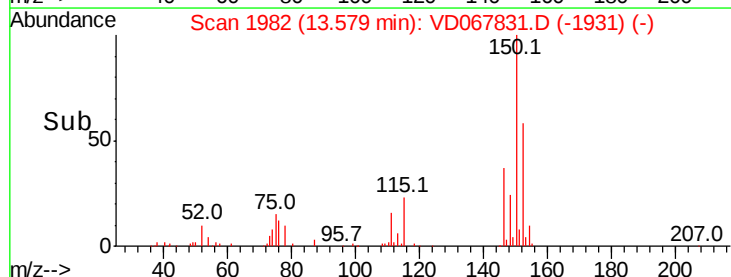
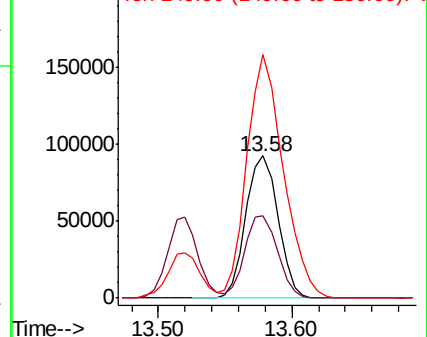
150 193.0 0.0 339.0

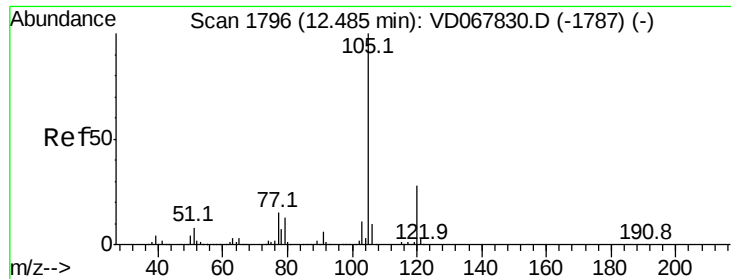


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 99.830 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD067831.D

Acq: 01 Dec 2020 12:22

Instrument :

MSVOA_D

ClientSampleId :

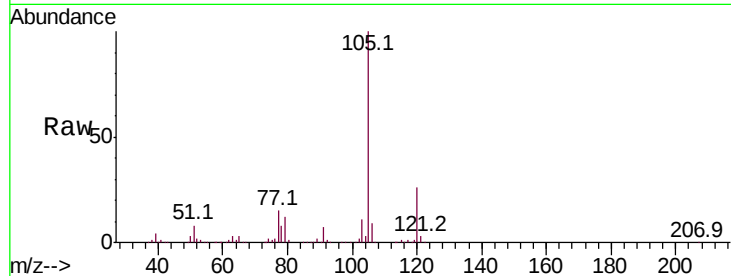
VSTDIC100

Tot Ion:105 Resp: 1062282

Ion Ratio Lower Upper

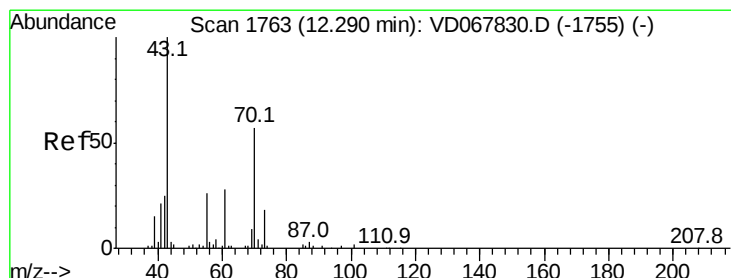
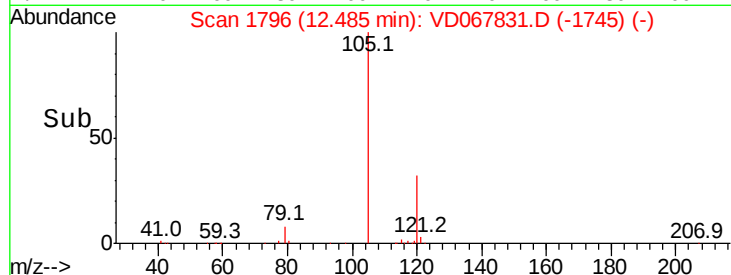
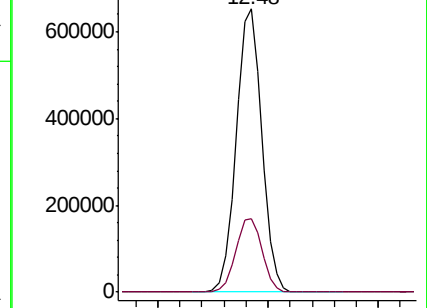
105 100

120 26.9 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: 102.294 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD067831.D

Acq: 01 Dec 2020 12:22

Tgt Ion: 43 Resp: 134642

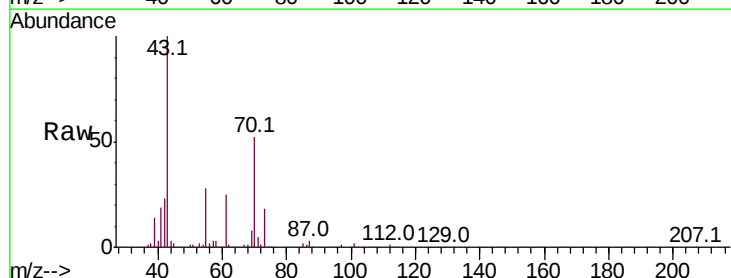
Ion Ratio Lower Upper

43 100

70 54.6 44.6 66.8

55 29.2 22.2 33.2

61 26.2 22.7 34.1

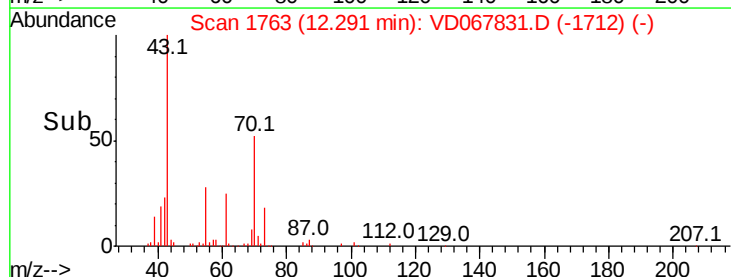
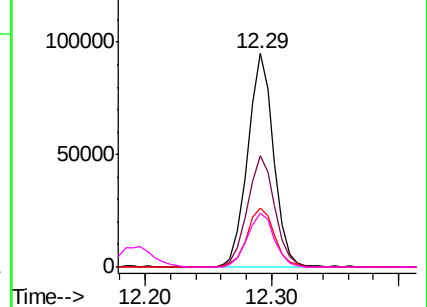


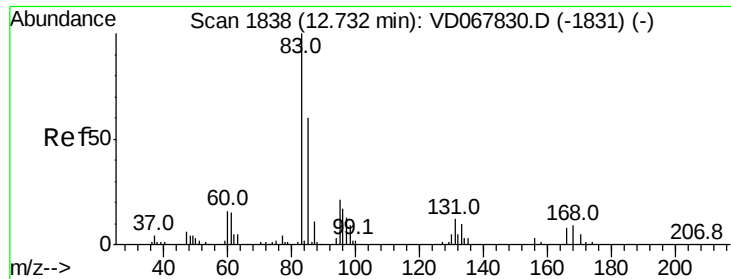
Abundance Ion 43.00 (42.70 to 43.70): V

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: 92.109 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.01 min

Lab File: VD067831.D

Acq: 01 Dec 2020 12:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

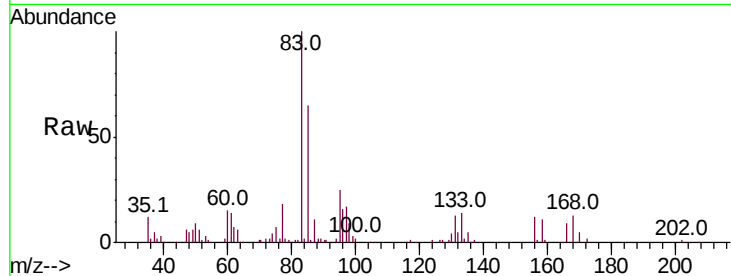
Tot Ion: 83 Resp: 129400

Ion Ratio Lower Upper

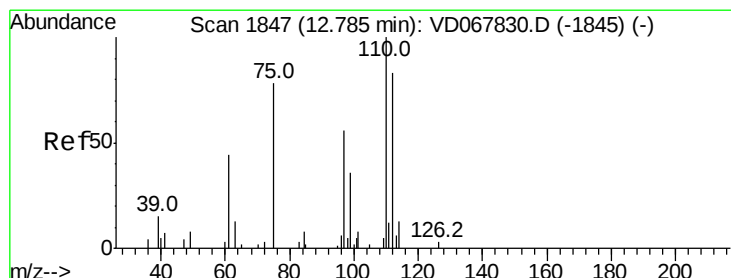
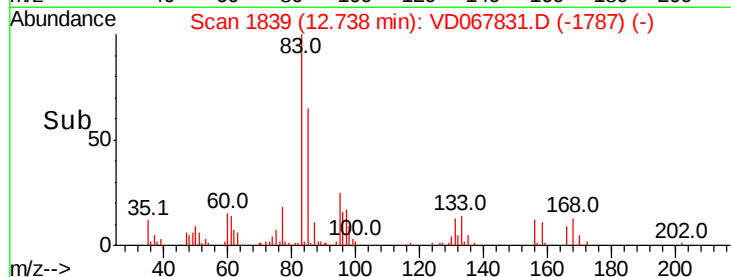
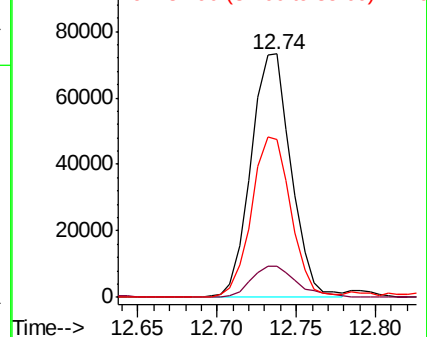
83 100

131 14.5 8.0 24.0

85 65.0 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: 170.902 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. 0.00 min

Lab File: VD067831.D

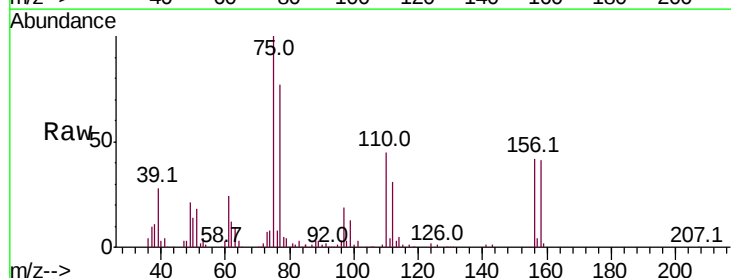
Acq: 01 Dec 2020 12:22

Tgt Ion: 75 Resp: 196658

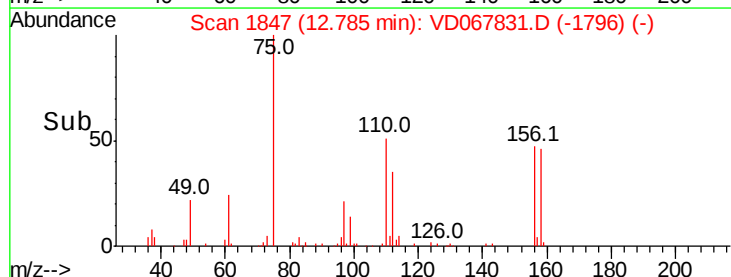
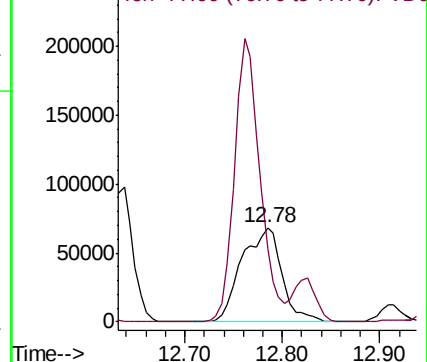
Ion Ratio Lower Upper

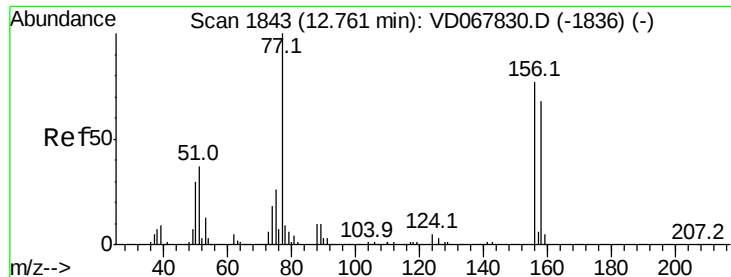
75 100

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: 97.469 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VD067831.D

Acq: 01 Dec 2020 12:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

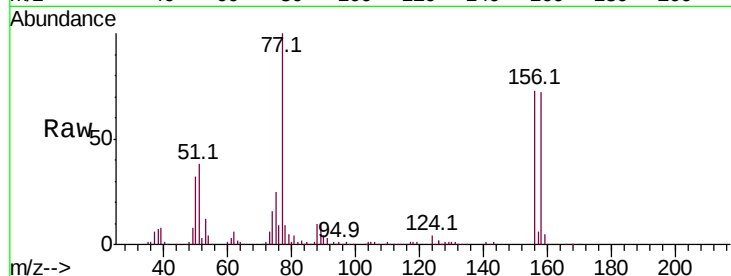
Tot Ion:156 Resp: 257844

Ion Ratio Lower Upper

156 100

77 145.4 71.5 214.5

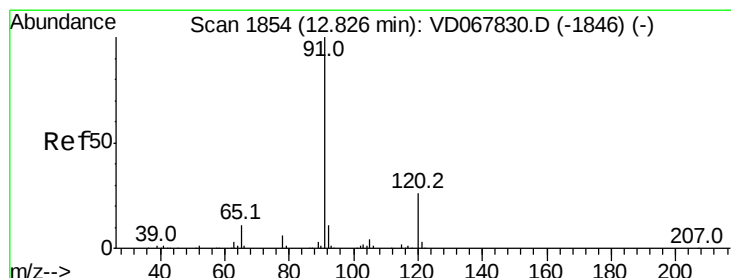
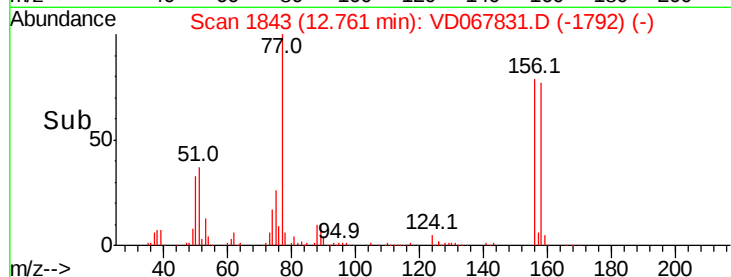
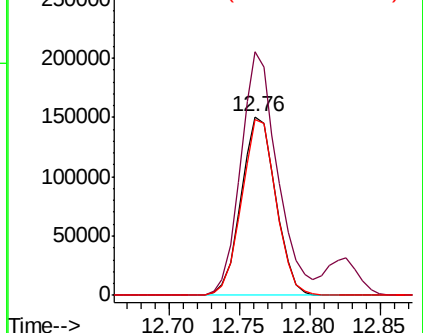
158 98.0 47.1 141.4



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: 98.896 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD067831.D

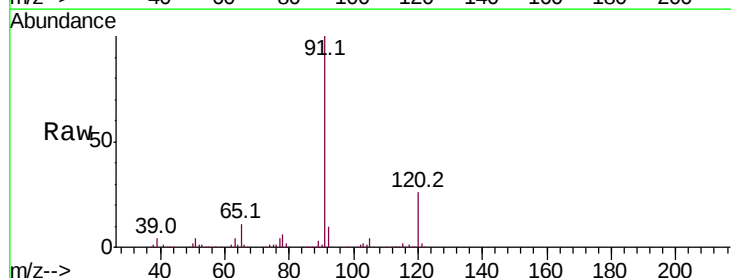
Acq: 01 Dec 2020 12:22

Tgt Ion: 91 Resp: 1166364

Ion Ratio Lower Upper

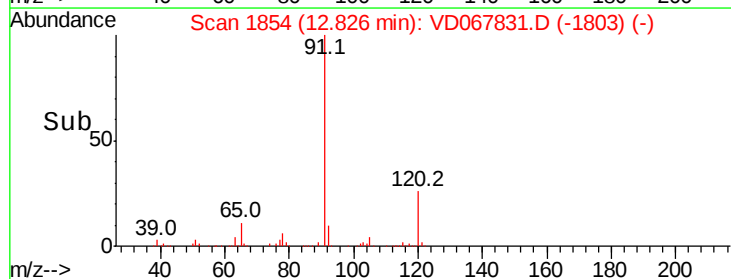
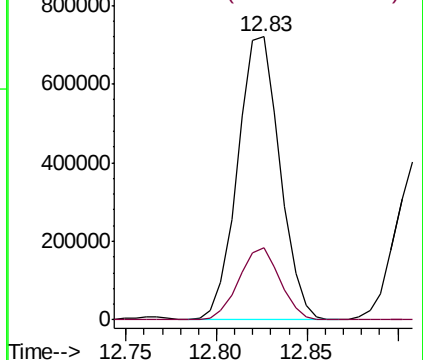
91 100

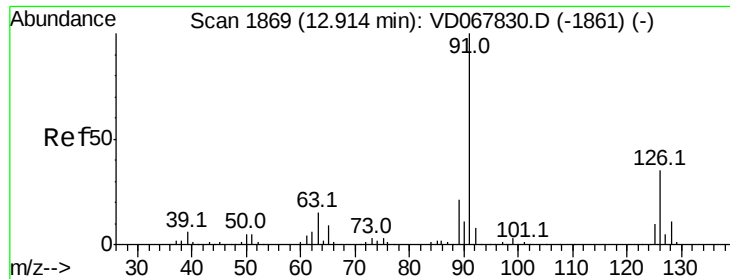
120 24.8 12.7 38.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

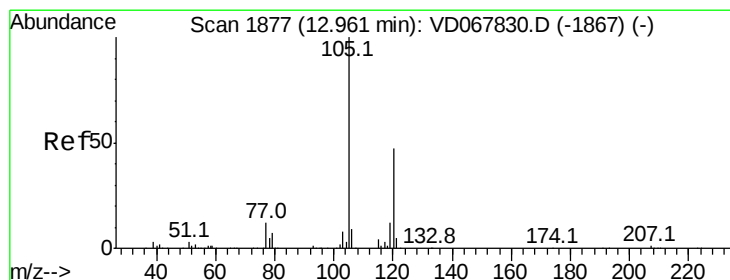
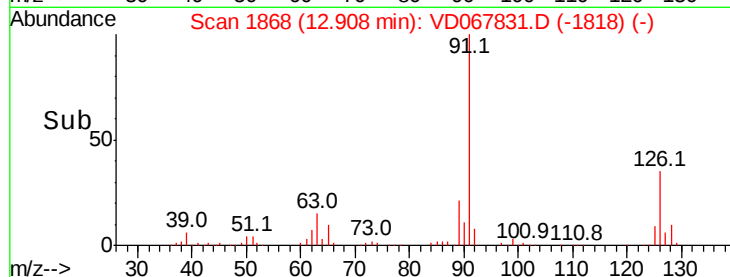
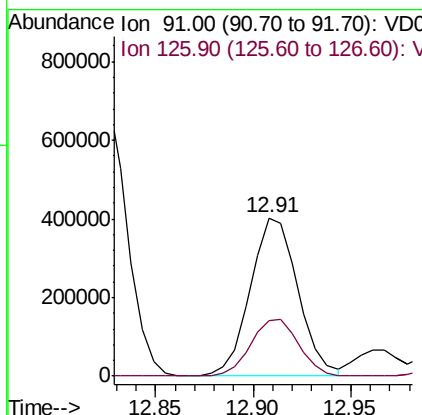
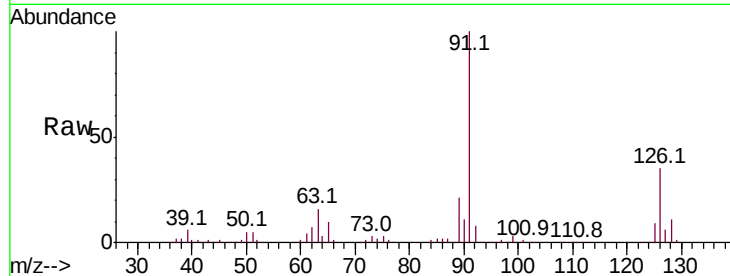




#79
 2-Chlorotoluene
 Concen: 98.044 ug/l
 RT: 12.91 min Scan# 1868
 Delta R.T. -0.01 min
 Lab File: VD067831.D
 Acq: 01 Dec 2020 12:22

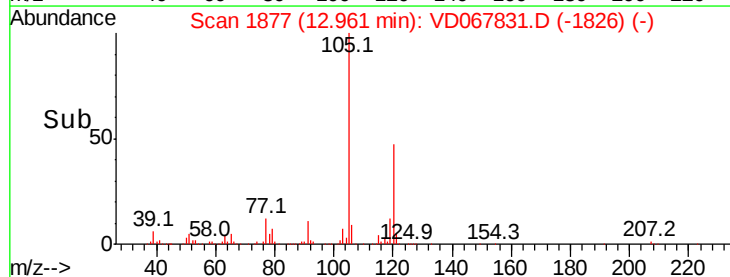
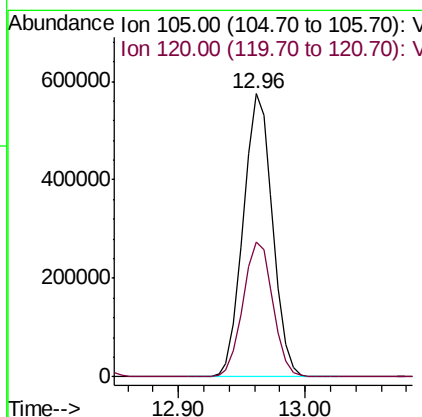
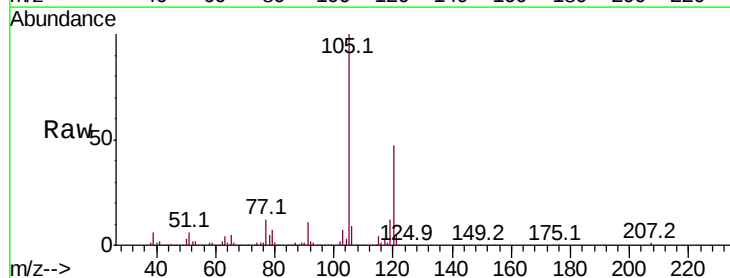
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

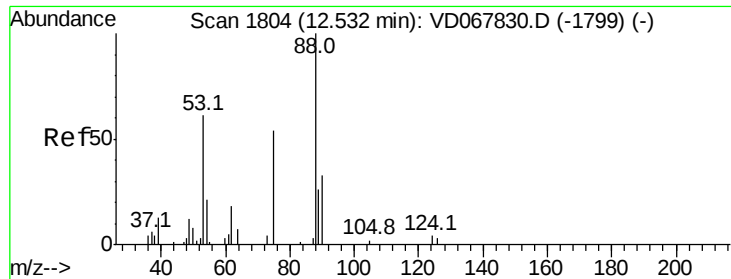
Tot Ion: 91 Resp: 680250
 Ion Ratio Lower Upper
 91 100
 126 36.5 17.9 53.7



#80
 1,3,5-Trimethylbenzene
 Concen: 99.971 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VD067831.D
 Acq: 01 Dec 2020 12:22

Tgt Ion:105 Resp: 921026
 Ion Ratio Lower Upper
 105 100
 120 48.7 24.3 72.9





#81

trans-1,4-Dichloro-2-butene

Concen: 99.190 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD067831.D

Acq: 01 Dec 2020 12:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

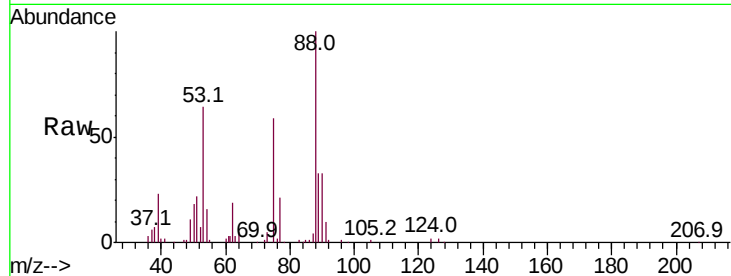
Tot Ion: 75 Resp: 46724

Ion Ratio Lower Upper

75 100

53 104.0 84.6 127.0

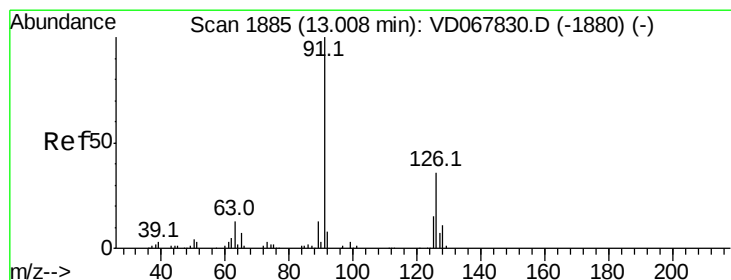
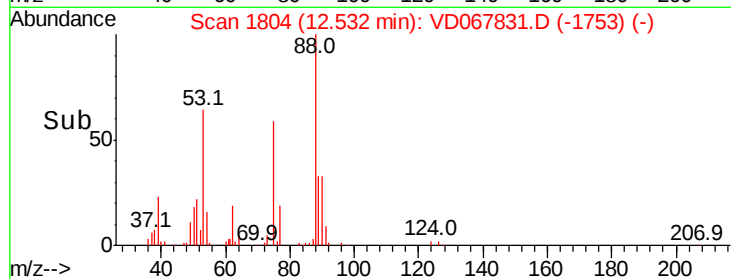
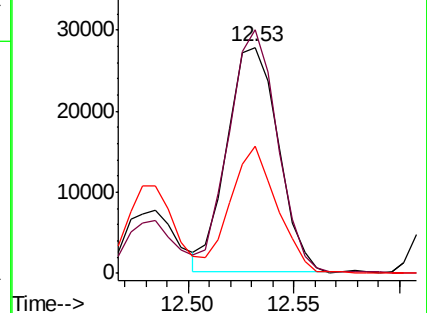
89 50.9 41.0 61.6



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: 98.241 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VD067831.D

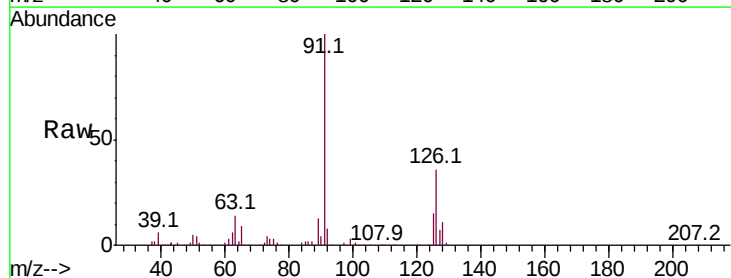
Acq: 01 Dec 2020 12:22

Tgt Ion: 91 Resp: 727100

Ion Ratio Lower Upper

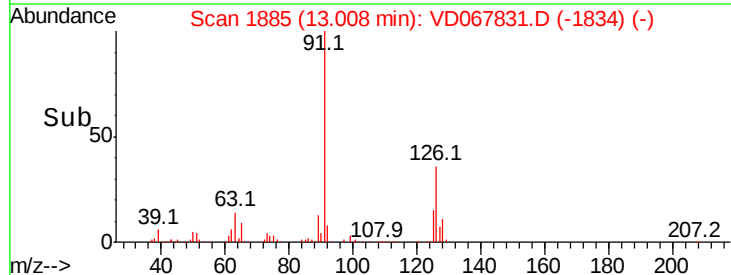
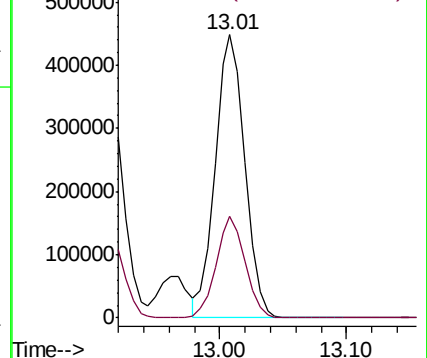
91 100

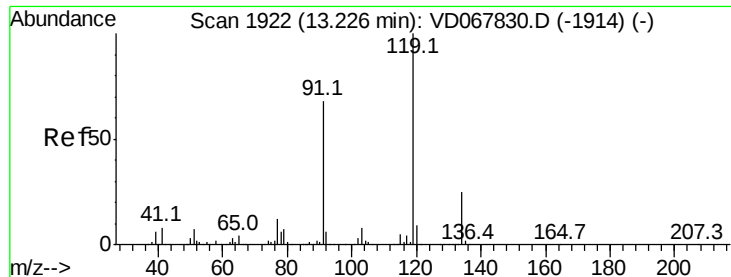
126 35.2 18.1 54.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

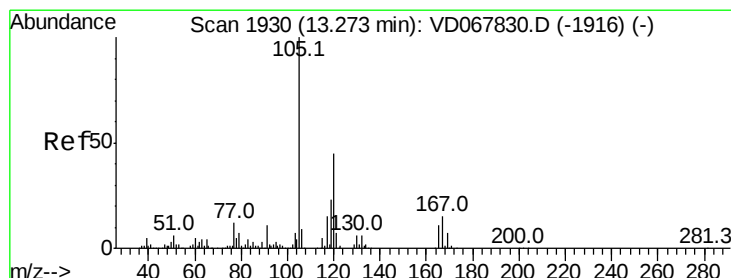
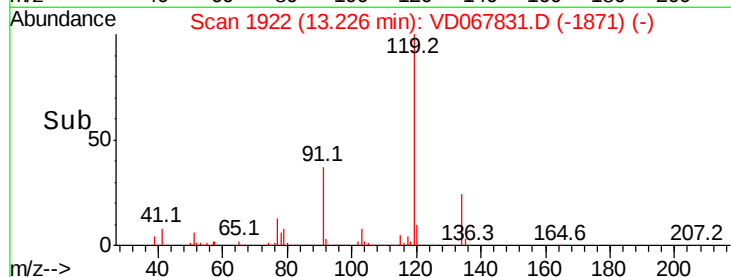
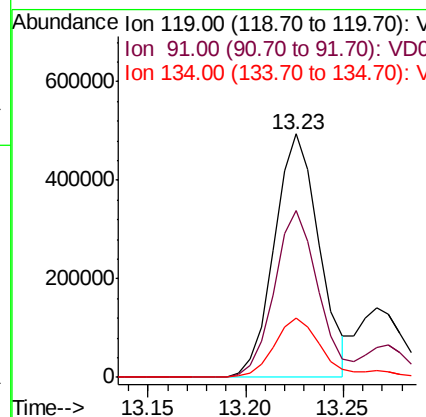
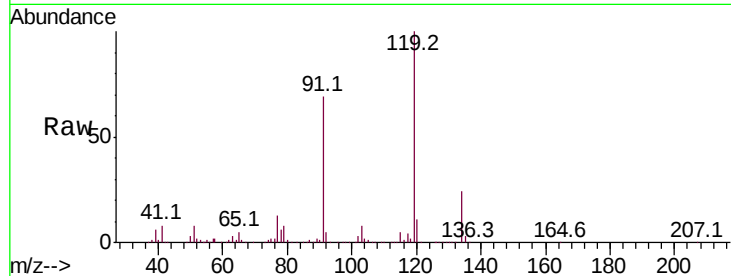




#83
tert-Butylbenzene
Concen: 100.193 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD067831.D
Acq: 01 Dec 2020 12:22

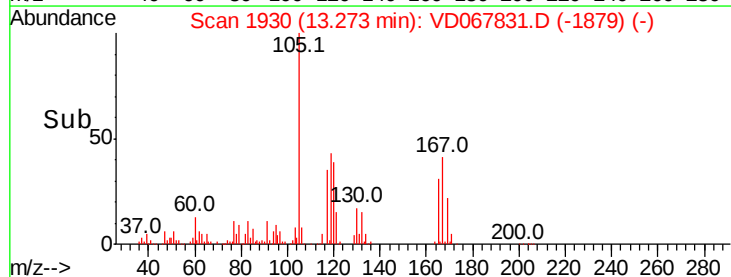
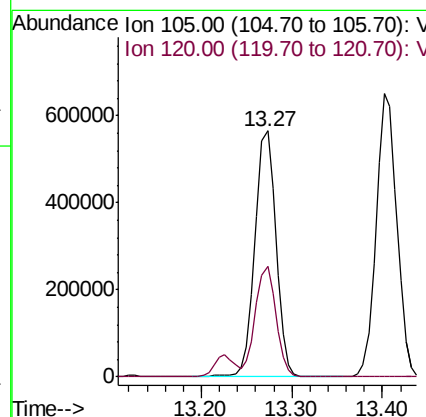
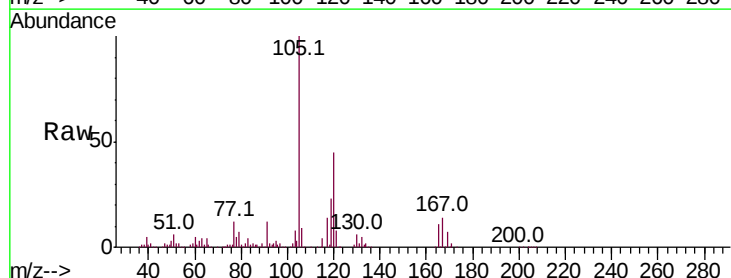
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

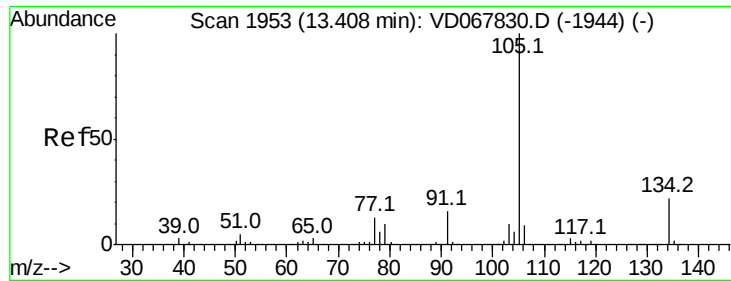
Tot Ion:119 Resp: 785498
Ion Ratio Lower Upper
119 100
91 67.8 33.1 99.3
134 26.8 13.6 40.8



#84
1,2,4-Trimethylbenzene
Concen: 99.585 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067831.D
Acq: 01 Dec 2020 12:22

Tgt Ion:105 Resp: 912324
Ion Ratio Lower Upper
105 100
120 44.1 22.1 66.5





#85

sec-Butylbenzene

Concen: 98.469 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.01 min

Lab File: VD067831.D

Acq: 01 Dec 2020 12:22

Instrument :

MSVOA_D

ClientSampleId :

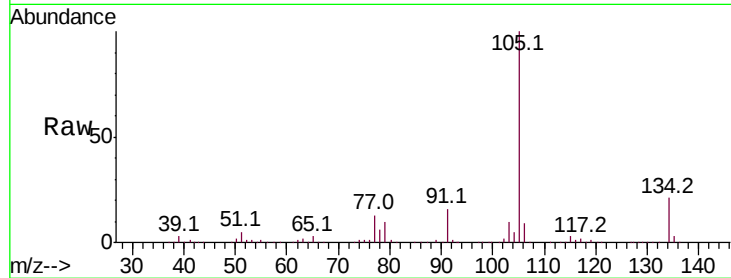
VSTDIC100

Tot Ion:105 Resp: 1030364

Ion Ratio Lower Upper

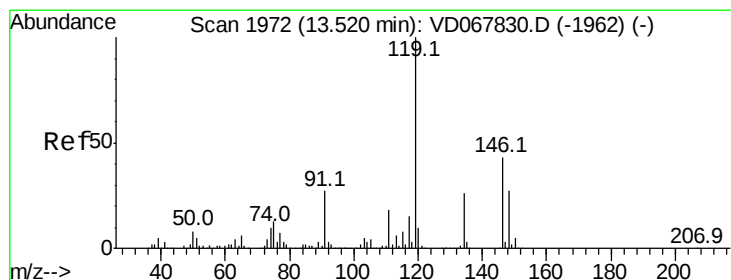
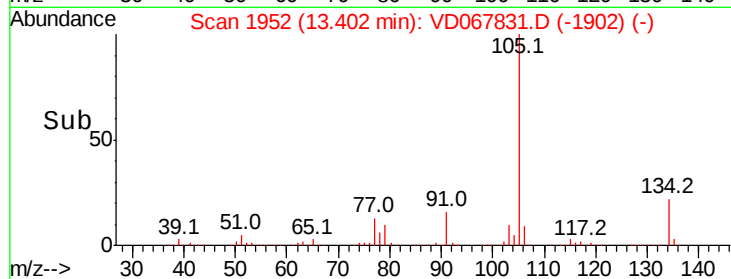
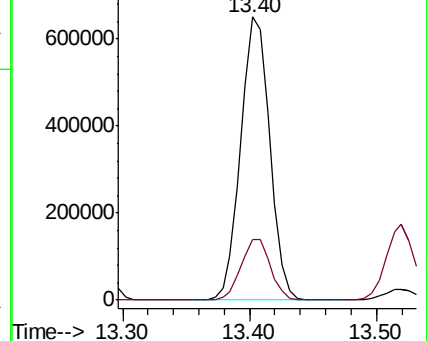
105 100

134 21.7 10.9 32.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 98.822 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD067831.D

Acq: 01 Dec 2020 12:22

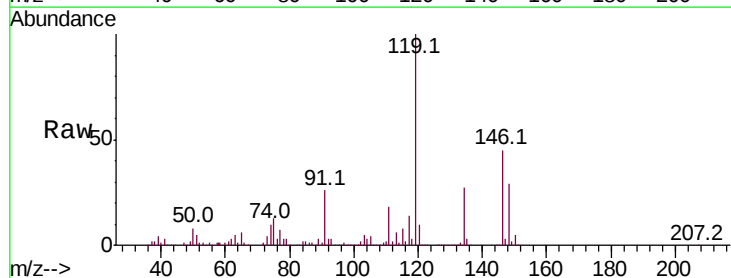
Tgt Ion:119 Resp: 1013449

Ion Ratio Lower Upper

119 100

134 26.5 13.1 39.3

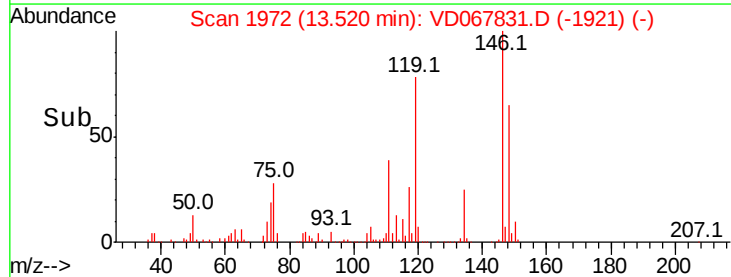
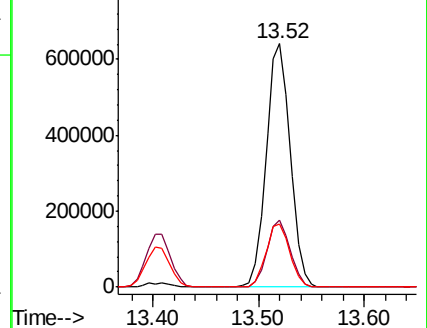
91 25.5 12.8 38.3

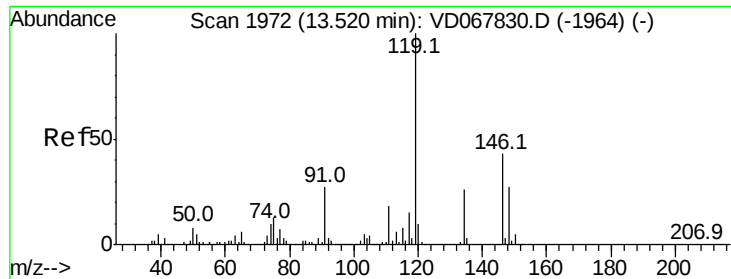


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 94.324 ug/l

RT: 13.52 min Scan# 1972

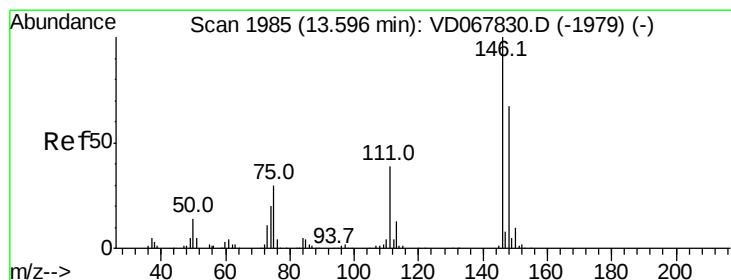
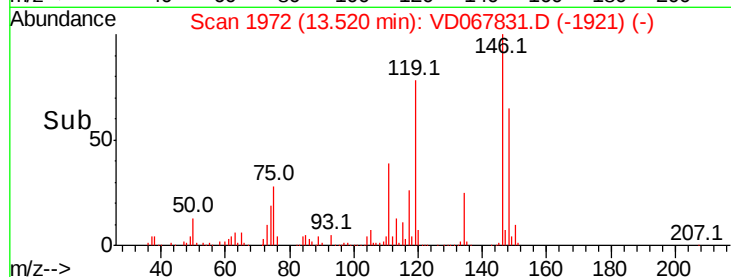
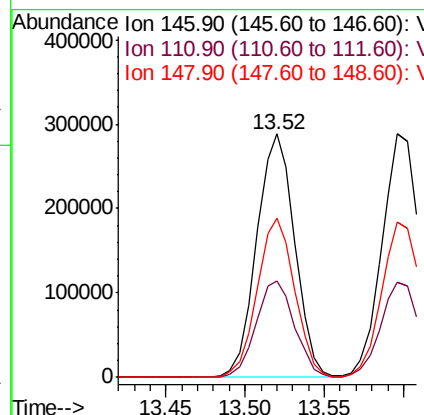
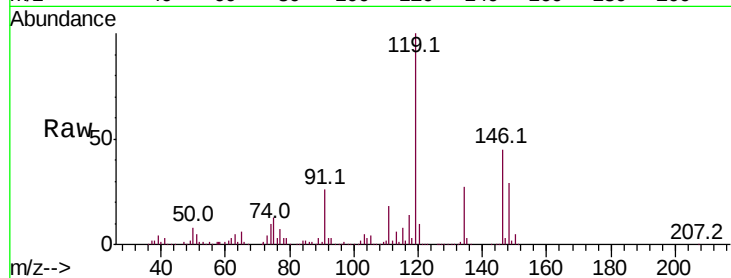
Delta R.T. 0.00 min

Lab File: VD067831.D

Acq: 01 Dec 2020 12:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.8	62.2
148	64.4	32.9	98.6



#88

1,4-Dichlorobenzene

Concen: 94.021 ug/l

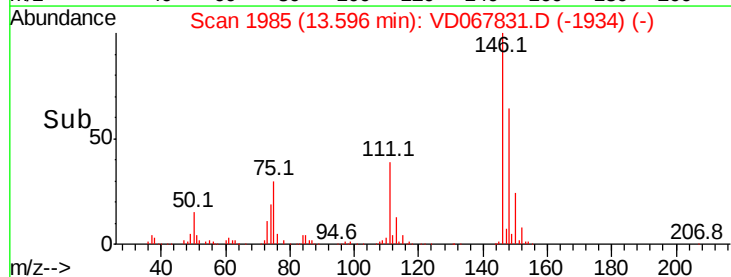
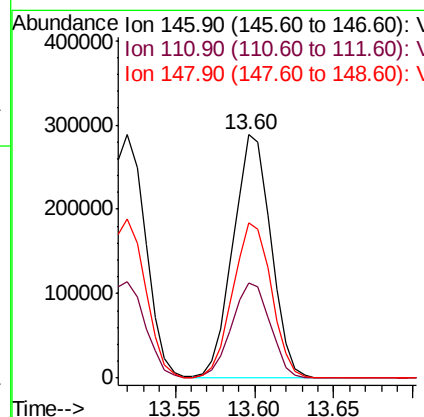
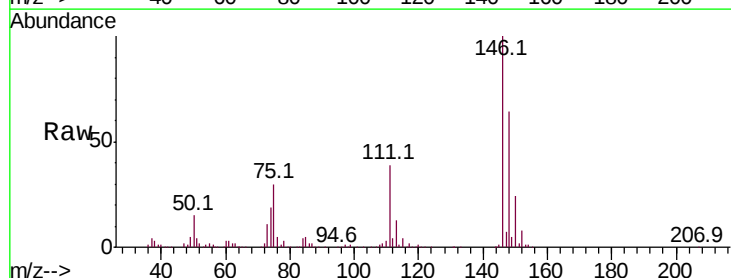
RT: 13.60 min Scan# 1985

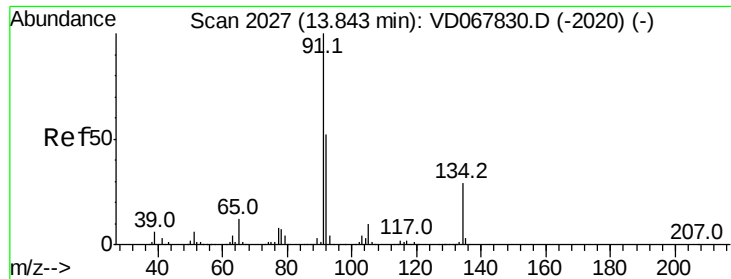
Delta R.T. 0.00 min

Lab File: VD067831.D

Acq: 01 Dec 2020 12:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.9	59.6
148	65.0	32.4	97.2

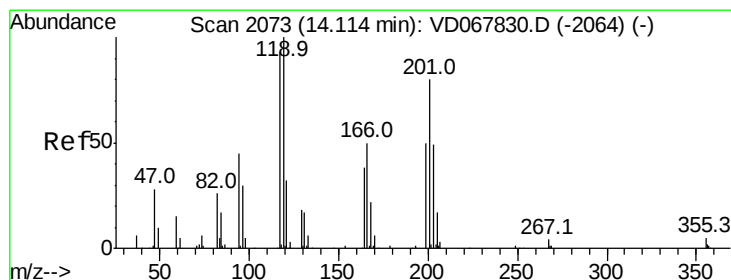
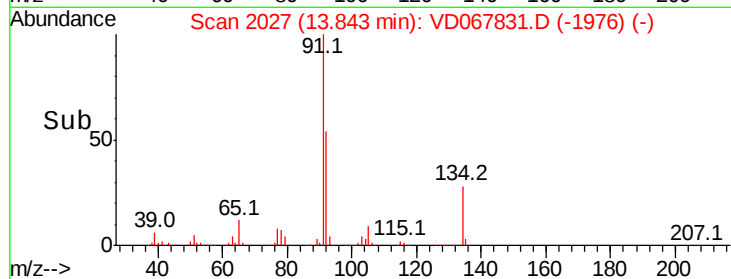
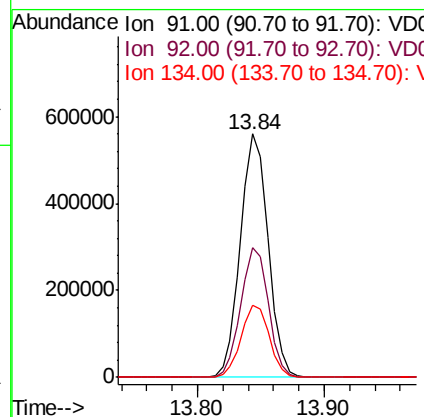
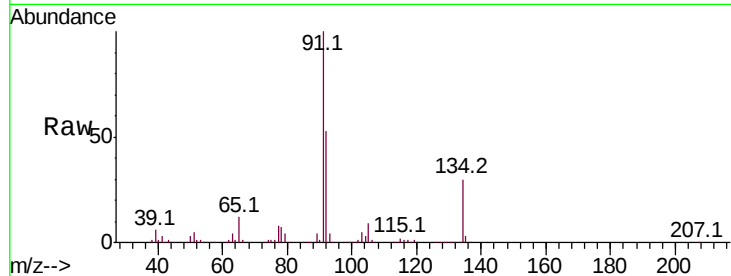




#89
n-Butylbenzene
Concen: 99.376 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. 0.00 min
Lab File: VD067831.D
Acq: 01 Dec 2020 12:22

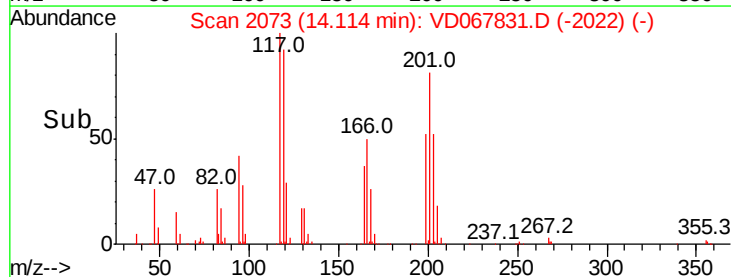
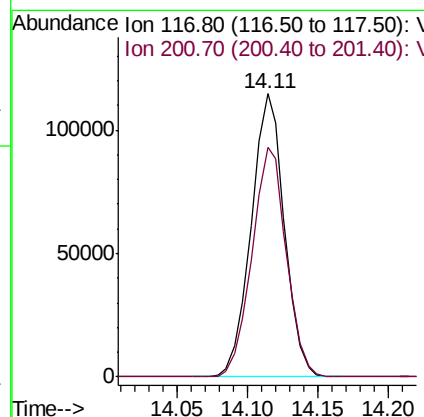
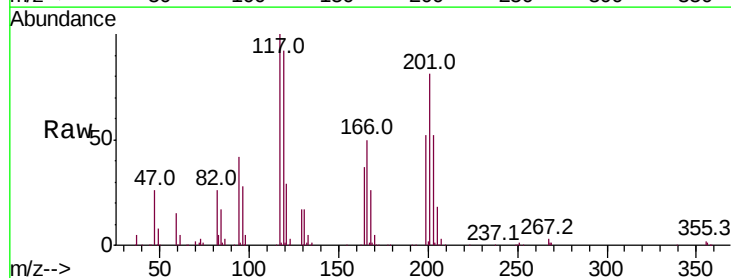
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

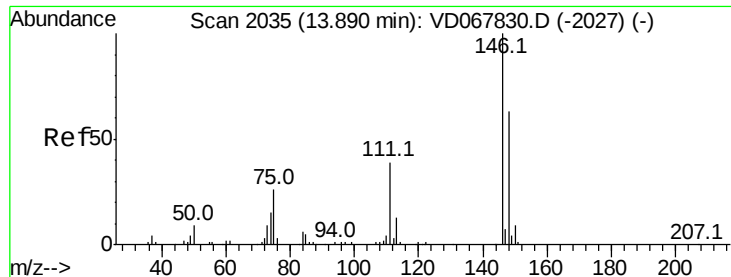
Tot Ion: 91 Resp: 846685
Ion Ratio Lower Upper
91 100
92 53.2 26.3 78.8
134 29.9 14.8 44.3



#90
Hexachloroethane
Concen: 99.639 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD067831.D
Acq: 01 Dec 2020 12:22

Tgt Ion: 117 Resp: 188652
Ion Ratio Lower Upper
117 100
201 84.3 43.9 131.6

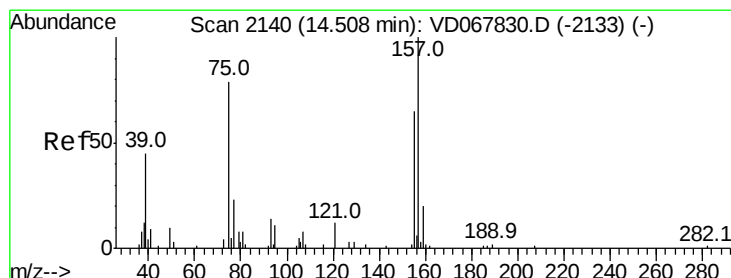
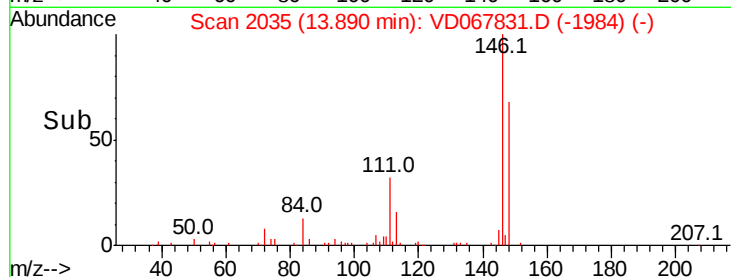
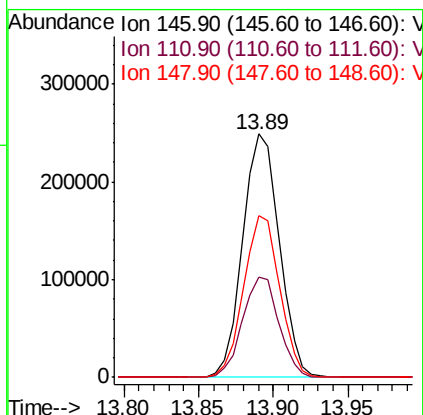
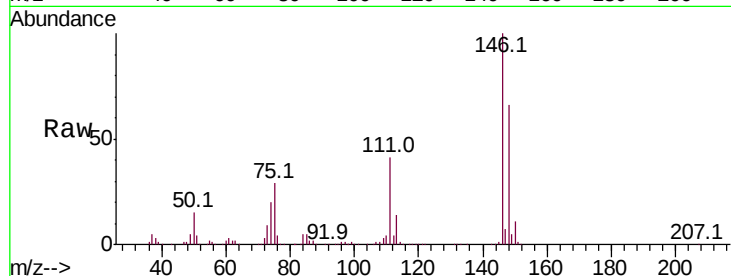




#91
 1,2-Dichlorobenzene
 Concen: 95.359 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VD067831.D
 Acq: 01 Dec 2020 12:22

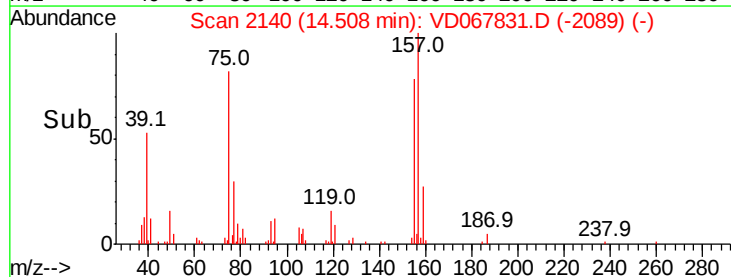
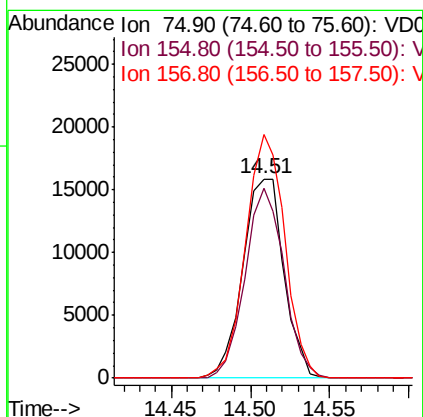
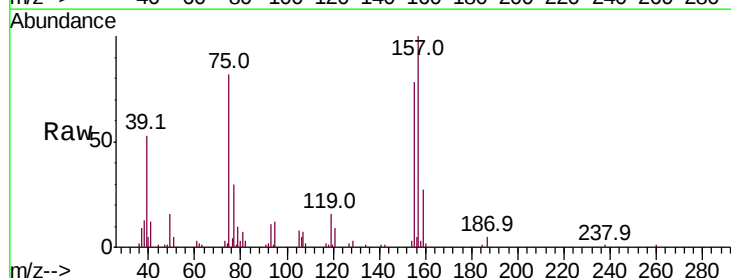
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

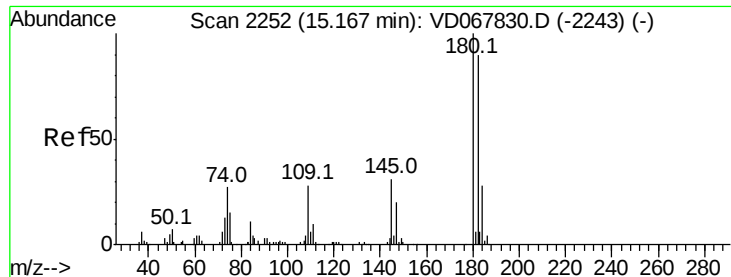
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.4	61.2
148	65.6	32.1	96.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 97.963 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. 0.00 min
 Lab File: VD067831.D
 Acq: 01 Dec 2020 12:22

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.8	44.1	132.4
157	116.1	62.4	187.2

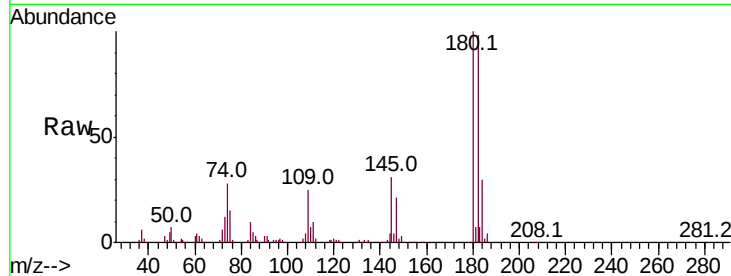




#93
 1,2,4-Trichlorobenzene
 Concen: 101.642 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD067831.D
 Acq: 01 Dec 2020 12:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.5	142.6
145	32.6	16.4	49.4

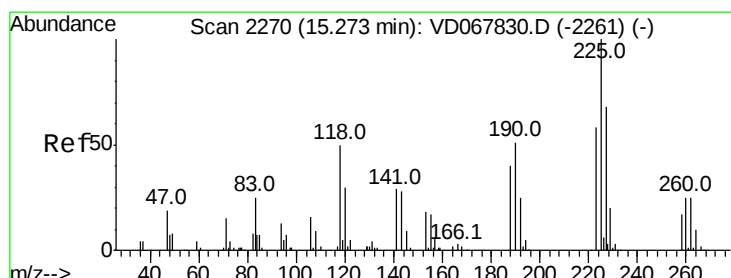
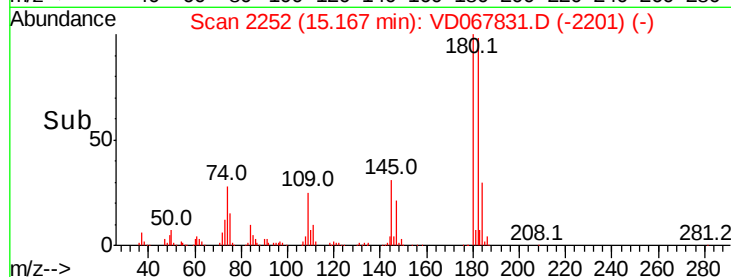
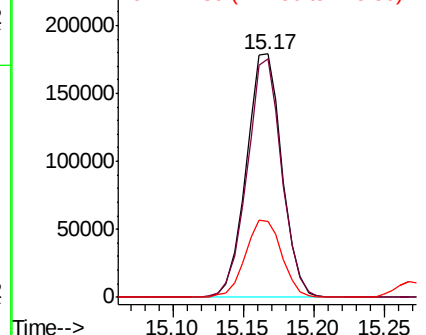


Abundance

Ion 179.80 (179.50 to 180.50): V

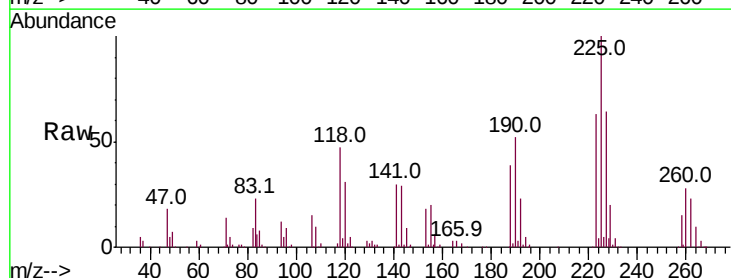
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 100.100 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD067831.D
 Acq: 01 Dec 2020 12:22

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.2	31.1	93.3
227	63.8	33.1	99.3

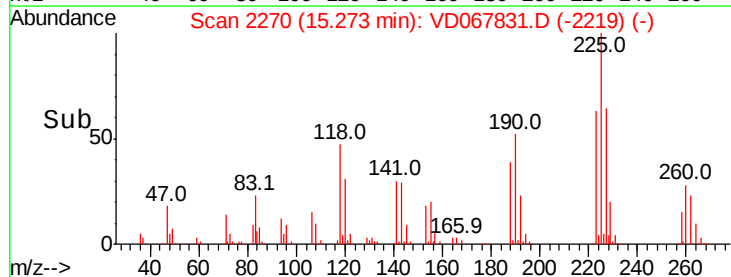
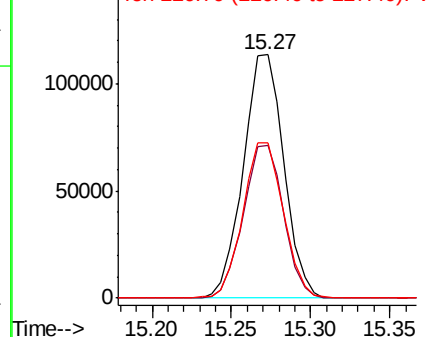


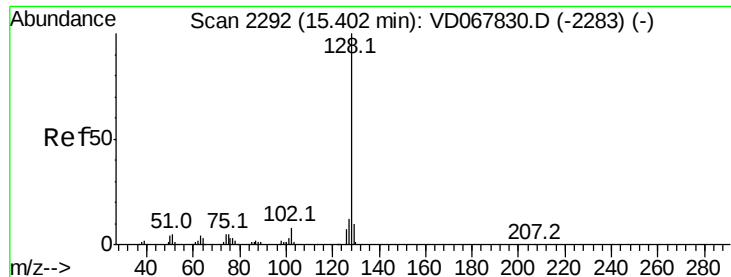
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 104.903 ug/l

RT: 15.40 min Scan# 2292

Delta R.T. 0.00 min

Lab File: VD067831.D

Acq: 01 Dec 2020 12:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

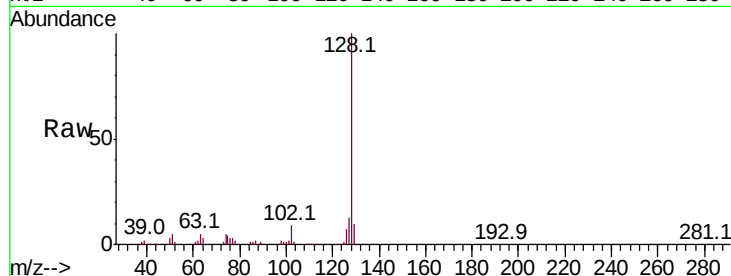
Tot Ion:128 Resp: 528460

Ion Ratio Lower Upper

128 100

127 13.0 10.6 15.8

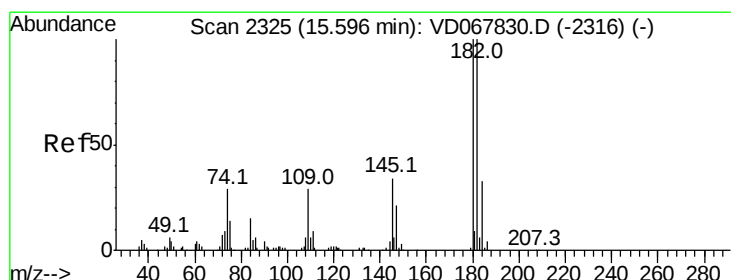
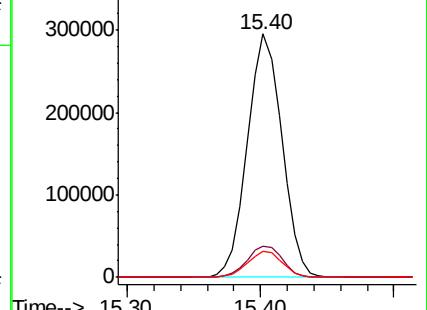
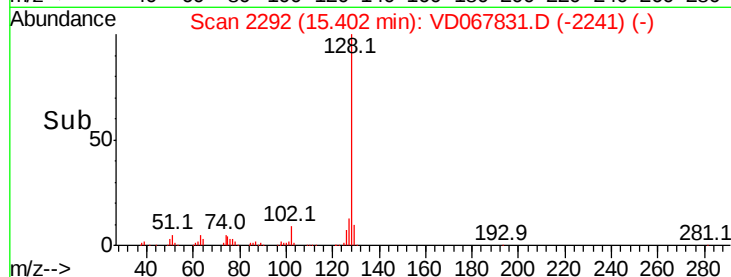
129 10.9 9.0 13.6



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: 100.545 ug/l

RT: 15.60 min Scan# 2325

Delta R.T. 0.00 min

Lab File: VD067831.D

Acq: 01 Dec 2020 12:22

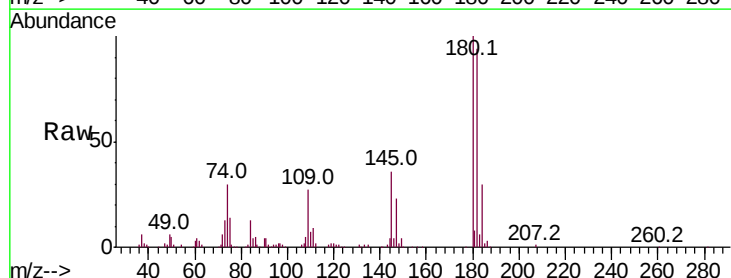
Tgt Ion:180 Resp: 268810

Ion Ratio Lower Upper

180 100

182 95.8 47.3 142.0

145 34.3 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

