

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120920\
 Data File : VD067919.D
 Acq On : 09 Dec 2020 11:10
 Operator : VA/SY
 Sample : VD1209SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1209SBS01

Quant Time: Dec 10 02:08:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120120S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 02 08:05:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	191286	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	270170	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	249112	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	130705	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	100551	48.96	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.92%
35) Dibromofluoromethane	7.92	113	87681	48.50	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.00%
50) Toluene-d8	10.34	98	324717	49.90	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	99.80%
62) 4-Bromofluorobenzene	12.64	95	117536	52.24	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	104.48%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.99	85	32542	19.548	ug/l 96
3) Chloromethane	2.21	50	20092	20.913	ug/l # 87
4) Vinyl Chloride	2.36	62	24838	20.528	ug/l 94
5) Bromomethane	2.77	94	23905	22.131	ug/l # 81
6) Chloroethane	2.93	64	16686	21.181	ug/l 95
7) Trichlorofluoromethane	3.28	101	75647	20.431	ug/l 96
8) Diethyl Ether	3.71	74	14243	19.737	ug/l 91
9) 1,1,2-Trichlorotrifluoroet	4.10	101	34648	20.522	ug/l 99
10) Methyl Iodide	4.31	142	31952	17.855	ug/l 97
11) Tert butyl alcohol	5.20	59	7941	23.136	ug/l # 88
12) 1,1-Dichloroethene	4.07	96	30921	19.507	ug/l 84
13) Acrolein	3.93	56	5723	72.522	ug/l 98
14) Allyl chloride	4.72	41	28186	19.222	ug/l 92
15) Acrylonitrile	5.43	53	24074	96.209	ug/l # 84
16) Acetone	4.16	43	23470	92.491	ug/l 98
17) Carbon Disulfide	4.41	76	83235	18.808	ug/l 98
18) Methyl Acetate	4.71	43	8508	17.391	ug/l 89
19) Methyl tert-butyl Ether	5.48	73	72122	21.249	ug/l 100
20) Methylene Chloride	4.97	84	41411	22.973	ug/l # 80
21) trans-1,2-Dichloroethene	5.46	96	37042	20.537	ug/l 82
22) Diisopropyl ether	6.36	45	61376	20.811	ug/l 92
23) Vinyl Acetate	6.31	43	161668	98.535	ug/l 96
24) 1,1-Dichloroethane	6.26	63	52830	20.435	ug/l 98
25) 2-Butanone	7.21	43	23196	86.909	ug/l 93
26) 2,2-Dichloropropane	7.21	77	65618	21.284	ug/l 99
27) cis-1,2-Dichloroethene	7.21	96	41287	20.928	ug/l 97
28) Bromochloromethane	7.54	49	14894	18.145	ug/l # 95
29) Tetrahydrofuran	7.57	42	14147	93.091	ug/l 97
30) Chloroform	7.71	83	73878	21.383	ug/l 99
31) Cyclohexane	7.98	56	41574	19.216	ug/l # 95
32) 1,1,1-Trichloroethane	7.91	97	79425	21.777	ug/l 99
36) 1,1-Dichloropropene	8.11	75	50612	21.640	ug/l 98
37) Ethyl Acetate	7.29	43	10211	16.199	ug/l # 80
38) Carbon Tetrachloride	8.10	117	77086	21.783	ug/l 97

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	57769	20.843	ug/l	92
40) Benzene	8.36	78	136970	21.402	ug/l	98
41) Methacrylonitrile	7.53	41	8545	26.436	ug/l #	85
42) 1,2-Dichloroethane	8.43	62	50103	21.966	ug/l	99
43) Isopropyl Acetate	8.46	43	22716	18.315	ug/l	93
44) Trichloroethene	9.11	130	48004	21.817	ug/l	91
45) 1,2-Dichloropropane	9.39	63	25901	19.719	ug/l	97
46) Dibromomethane	9.48	93	19826	21.709	ug/l	95
47) Bromodichloromethane	9.67	83	57867	22.226	ug/l	97
48) Methyl methacrylate	9.46	41	11562	18.358	ug/l	92
49) 1,4-Dioxane	9.46	88	4083	391.269	ug/l	91
51) 4-Methyl-2-Pentanone	10.23	43	55993	95.386	ug/l	98
52) Toluene	10.40	92	94740	21.174	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	46703	20.783	ug/l	95
54) cis-1,3-Dichloropropene	10.10	75	52155	21.337	ug/l	94
55) 1,1,2-Trichloroethane	10.80	97	25156	20.128	ug/l	88
56) Ethyl methacrylate	10.67	69	23774	18.696	ug/l	98
57) 1,3-Dichloropropane	10.95	76	39694	20.050	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	49345	85.280	ug/l	98
59) 2-Hexanone	10.99	43	37259	90.038	ug/l	98
60) Dibromochloromethane	11.14	129	40117	21.294	ug/l	100
61) 1,2-Dibromoethane	11.25	107	23534	19.148	ug/l	93
64) Tetrachloroethene	10.88	164	42855	21.090	ug/l	91
65) Chlorobenzene	11.67	112	110562	21.510	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.75	131	45477	21.692	ug/l	96
67) Ethyl Benzene	11.75	91	186524	21.302	ug/l	98
68) m/p-Xylenes	11.86	106	154128	44.640	ug/l	96
69) o-Xylene	12.18	106	68629	22.390	ug/l	98
70) Styrene	12.20	104	115431	21.657	ug/l	97
71) Bromoform	12.36	173	23382	21.070	ug/l #	98
73) Isopropylbenzene	12.48	105	197425	21.964	ug/l	98
74) N-amyl acetate	12.29	43	21297	19.155	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	22858	19.262	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	34269	36.003	ug/l	29
77) Bromobenzene	12.77	156	48114	21.531	ug/l	97
78) n-propylbenzene	12.83	91	216336	21.715	ug/l	100
79) 2-Chlorotoluene	12.91	91	125684	21.445	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	175334	22.530	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	7751	19.479	ug/l	96
82) 4-Chlorotoluene	13.01	91	135383	21.655	ug/l	99
83) tert-Butylbenzene	13.23	119	149392	22.558	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	172274	22.261	ug/l	98
85) sec-Butylbenzene	13.41	105	187915	21.260	ug/l	98
86) p-Isopropyltoluene	13.52	119	189887	21.920	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	91869	21.312	ug/l	96
88) 1,4-Dichlorobenzene	13.60	146	89694	20.799	ug/l	98
89) n-Butylbenzene	13.84	91	153623	21.345	ug/l	99
90) Hexachloroethane	14.11	117	32743	20.473	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	79874	21.365	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	5071	20.475	ug/l	88

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Quant Title : SW846 8260
QLast Update : Wed Dec 02 08:05:58 2020
Response via : Initial Calibration

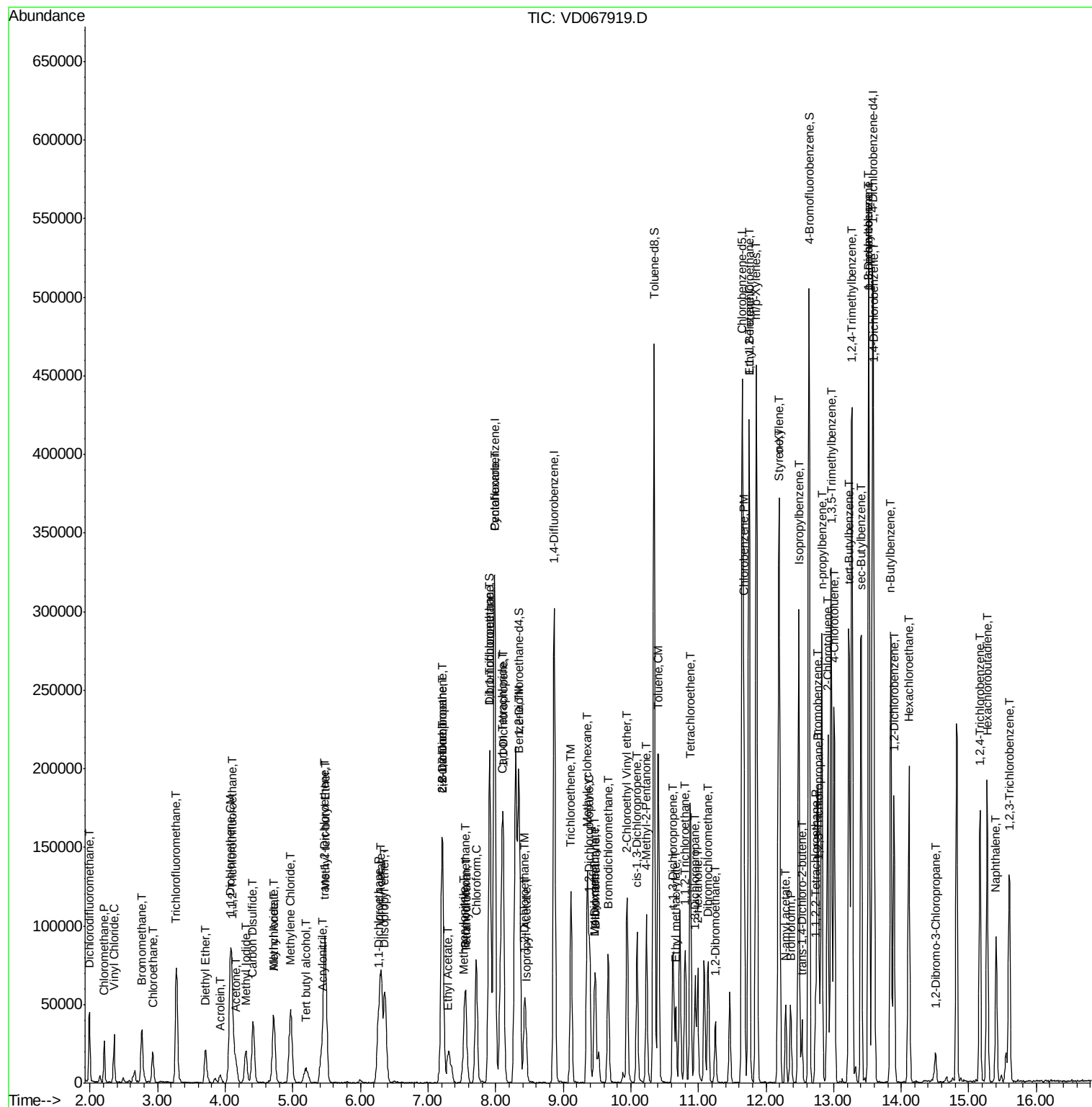
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	57026	21.806	ug/l	100
94) Hexachlorobutadiene	15.27	225	37140	21.765	ug/l	98
95) Naphthalene	15.41	128	87168	20.484	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	49387	21.868	ug/l	97

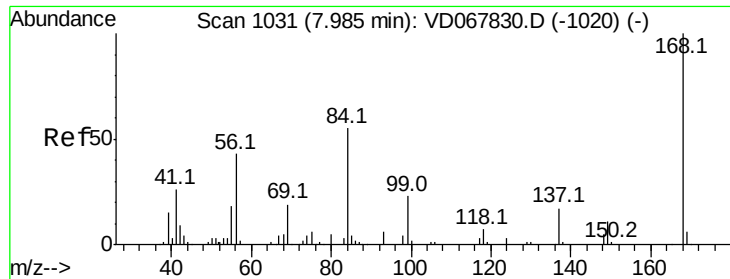
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 Data File : VD067919.D
 Acq On : 09 Dec 2020 11:10
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 Misc : 5.00G/5.00ml/MSVOA D/SOIL
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 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067919.D

Acq: 09 Dec 2020 11:10

Instrument :

MSVOA_D

ClientSampleId :

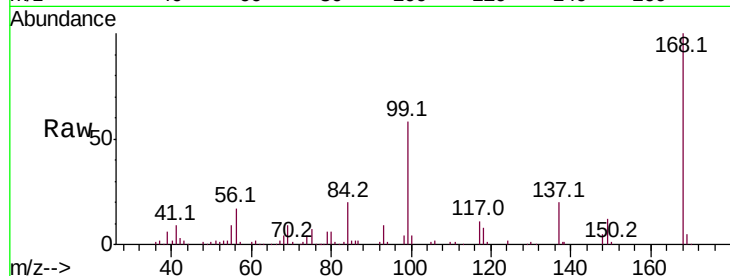
VD1209SBS01

Tot Ion:168 Resp: 191286

Ion Ratio Lower Upper

168 100

99 57.9 47.1 70.7

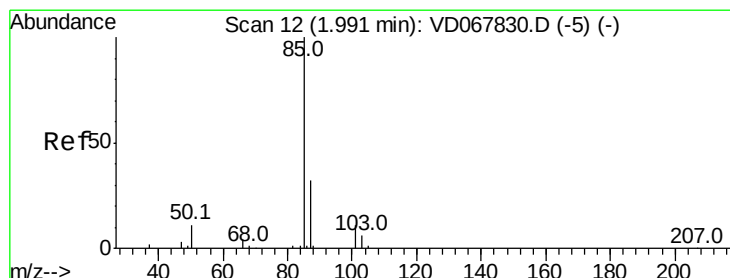
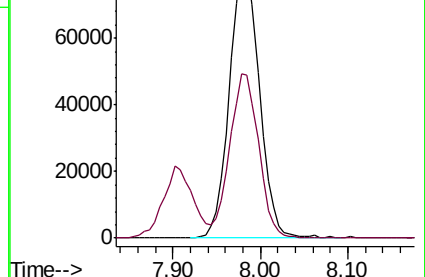
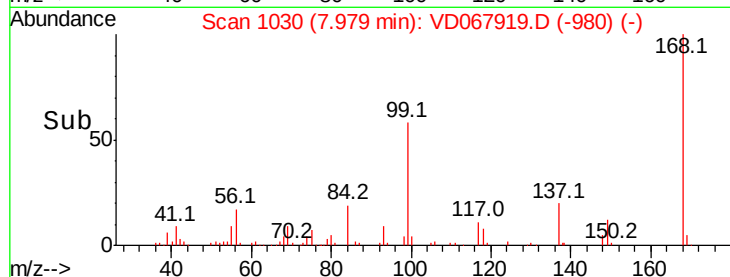


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

Time-->



#2

Dichlorodifluoromethane

Concen: 19.548 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD067919.D

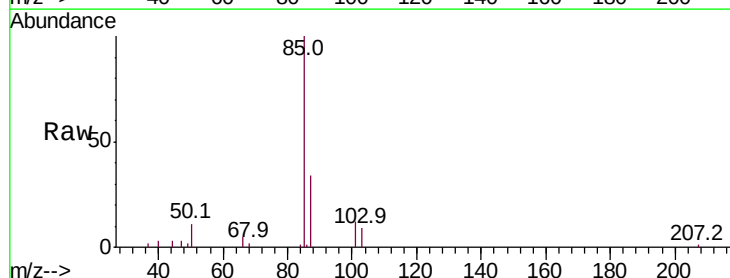
Acq: 09 Dec 2020 11:10

Tgt Ion: 85 Resp: 32542

Ion Ratio Lower Upper

85 100

87 33.9 15.9 47.6

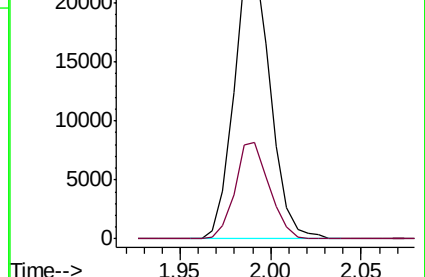
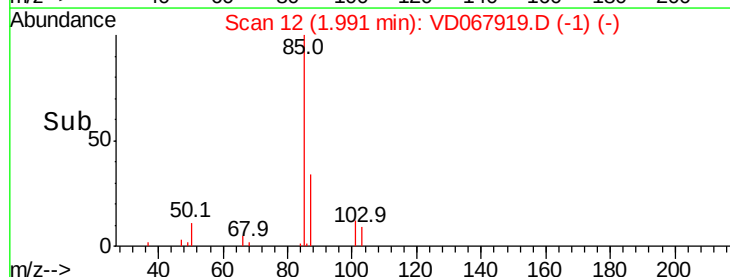


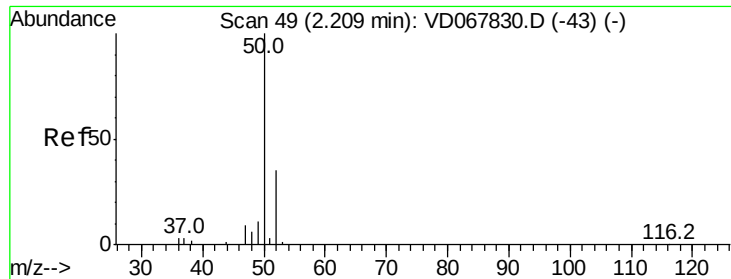
Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

Time-->





#3

Chloromethane

Concen: 20.913 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD067919.D

Acq: 09 Dec 2020 11:10

Instrument :

MSVOA_D

ClientSampleId :

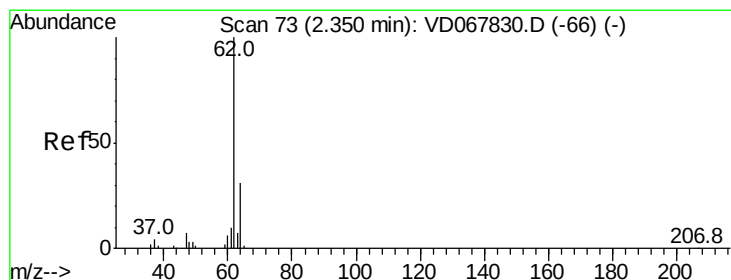
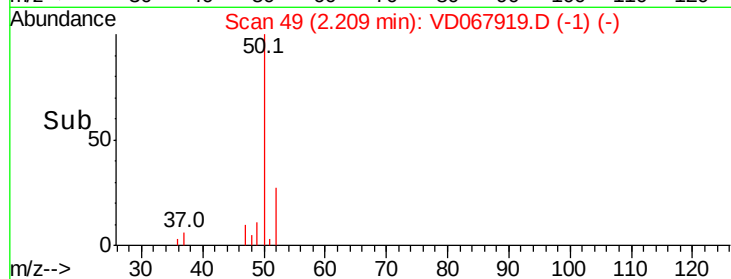
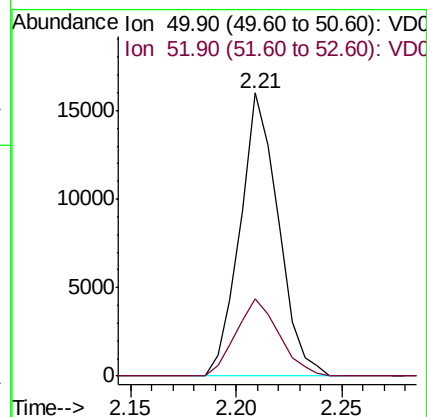
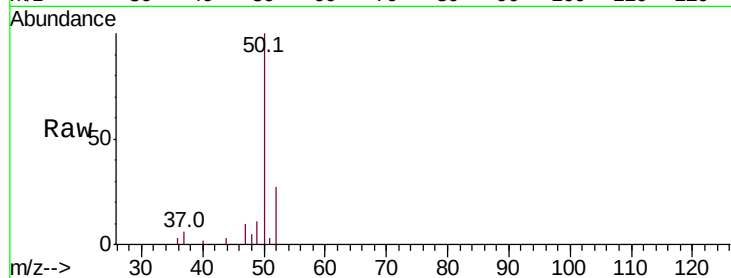
VD1209SBS01

Tot Ion: 50 Resp: 20092

Ion Ratio Lower Upper

50 100

52 27.4 27.8 41.6#



#4

Vinyl Chloride

Concen: 20.528 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD067919.D

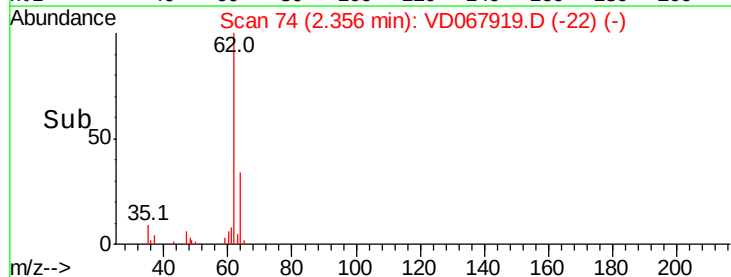
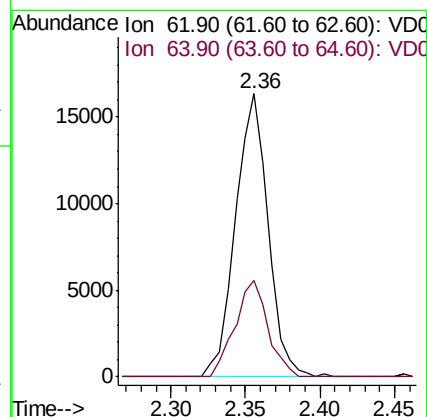
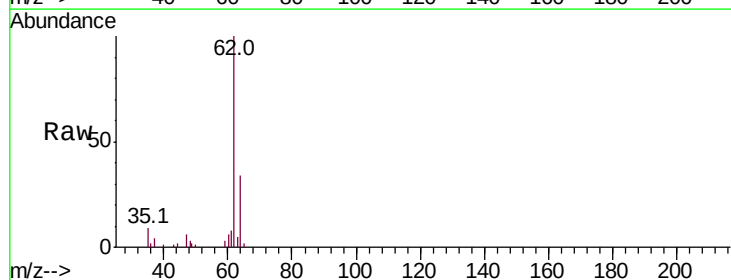
Acq: 09 Dec 2020 11:10

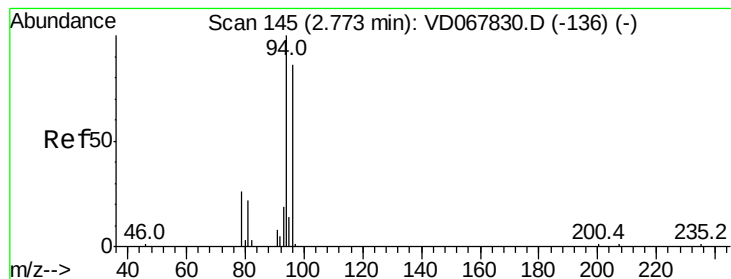
Tgt Ion: 62 Resp: 24838

Ion Ratio Lower Upper

62 100

64 34.0 24.5 36.7





#5

Bromomethane

Concen: 22.131 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD067919.D

Acq: 09 Dec 2020 11:10

Instrument :

MSVOA_D

ClientSampleId :

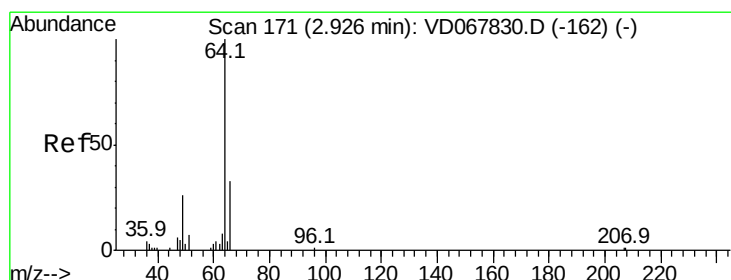
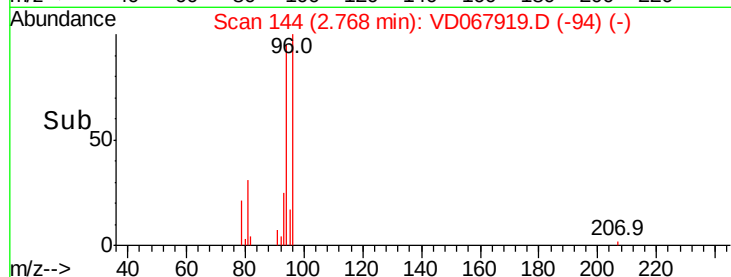
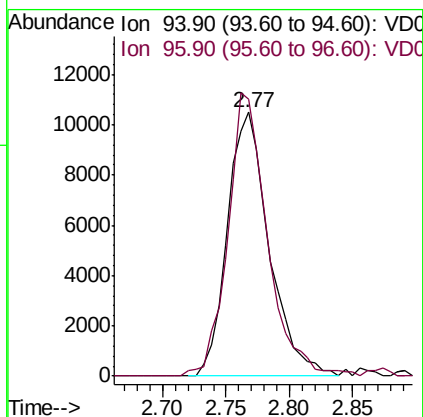
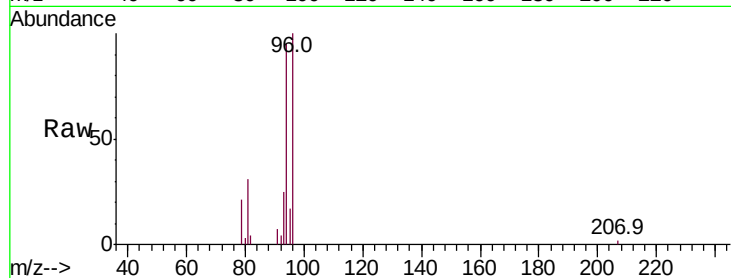
VD1209SBS01

Tot Ion: 94 Resp: 23905

Ion Ratio Lower Upper

94 100

96 103.1 68.7 103.1#



#6

Chloroethane

Concen: 21.181 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.00 min

Lab File: VD067919.D

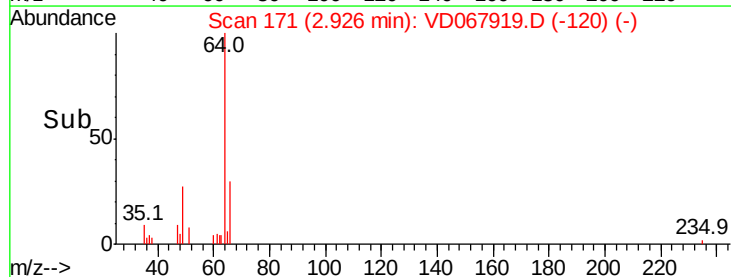
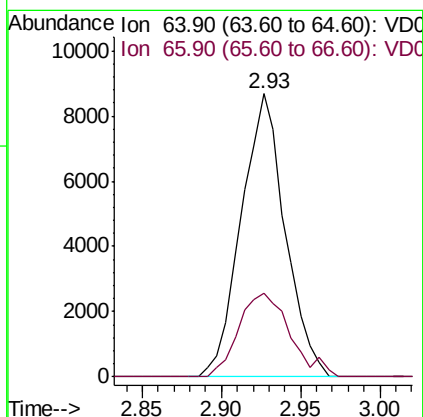
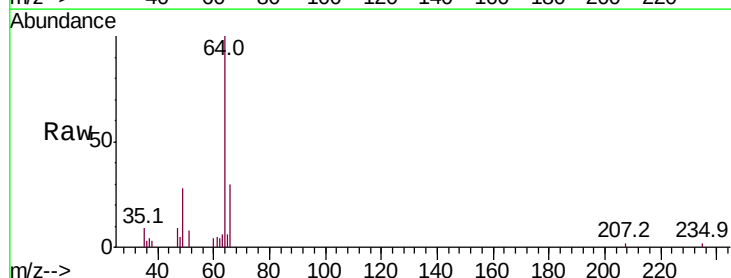
Acq: 09 Dec 2020 11:10

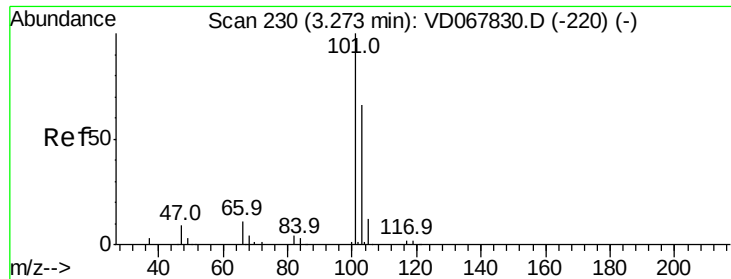
Tgt Ion: 64 Resp: 16686

Ion Ratio Lower Upper

64 100

66 29.7 26.1 39.1



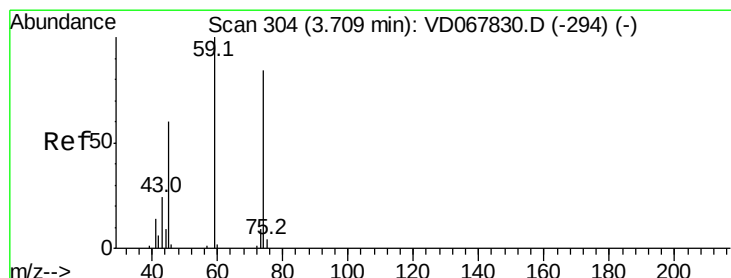
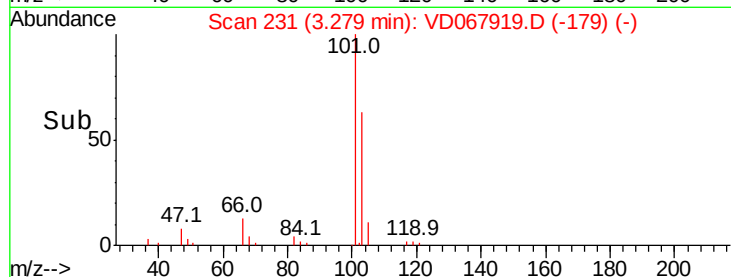
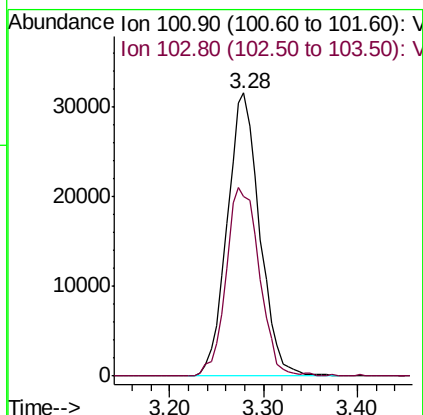
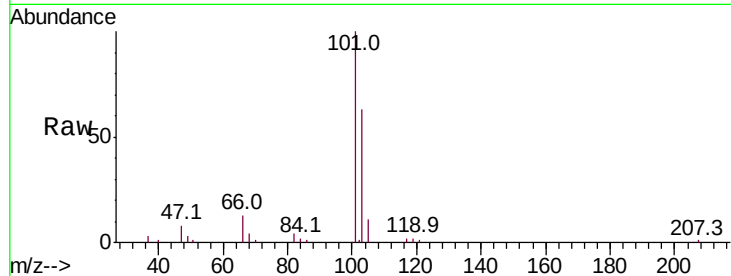


#7

Trichlorofluoromethane
Concen: 20.431 ug/l
RT: 3.28 min Scan# 231
Delta R.T. 0.01 min
Lab File: VD067919.D
Acq: 09 Dec 2020 11:10

Instrument :
MSVOA_D
ClientSampleId :
VD1209SBS01

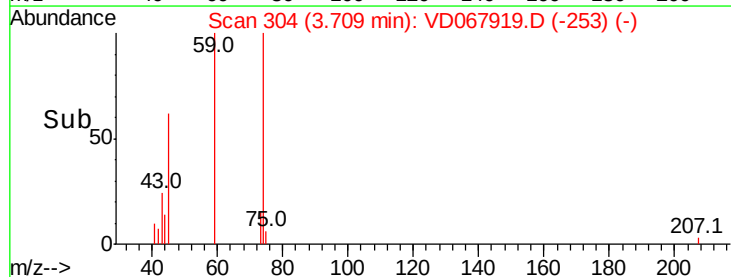
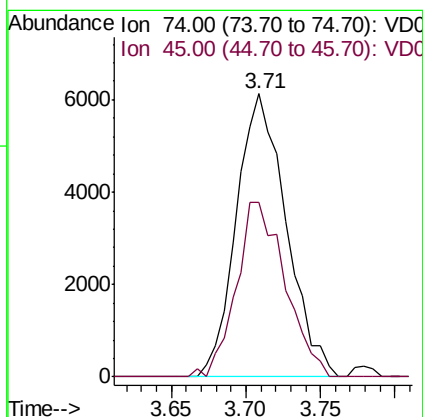
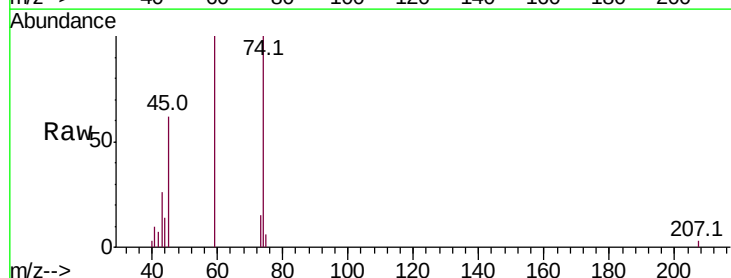
Tot Ion:101 Resp: 75647
Ion Ratio Lower Upper
101 100
103 63.3 53.0 79.6

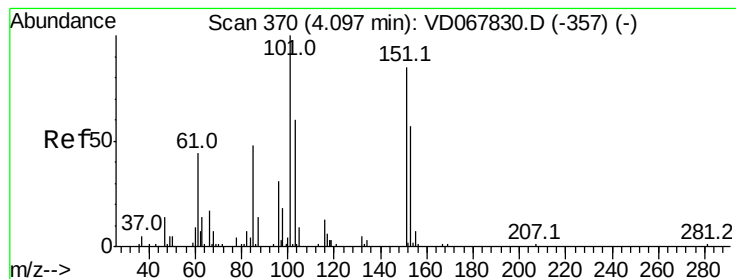


#8

Diethyl Ether
Concen: 19.737 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD067919.D
Acq: 09 Dec 2020 11:10

Tgt Ion: 74 Resp: 14243
Ion Ratio Lower Upper
74 100
45 60.4 33.9 101.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.522 ug/l

RT: 4.10 min Scan# 371

Delta R.T. 0.01 min

Lab File: VD067919.D

Acq: 09 Dec 2020 11:10

Instrument :

MSVOA_D

ClientSampleId :

VD1209SBS01

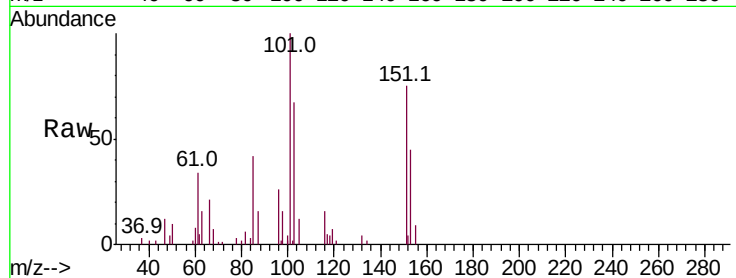
Tot Ion:101 Resp: 34648

Ion Ratio Lower Upper

101 100

85 47.9 36.2 54.4

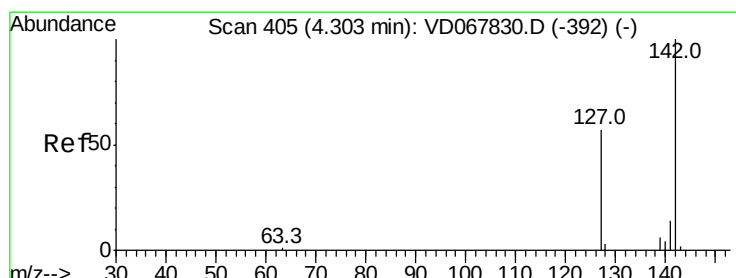
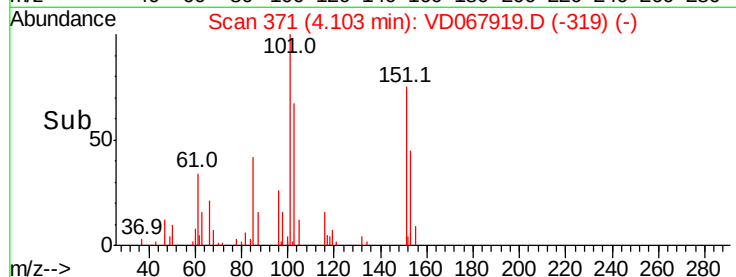
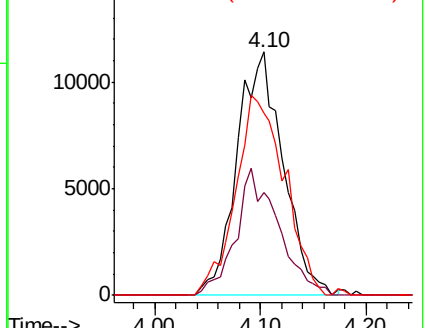
151 87.0 69.4 104.2



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: 17.855 ug/l

RT: 4.31 min Scan# 406

Delta R.T. 0.01 min

Lab File: VD067919.D

Acq: 09 Dec 2020 11:10

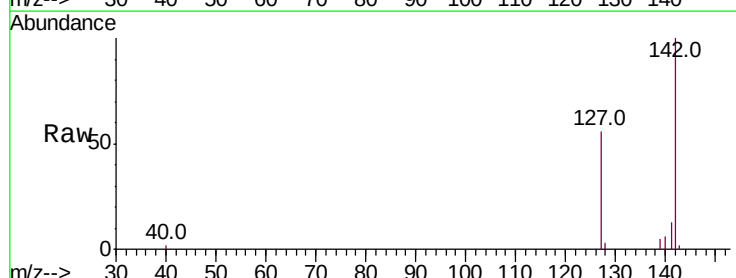
Tgt Ion:142 Resp: 31952

Ion Ratio Lower Upper

142 100

127 56.5 43.9 65.9

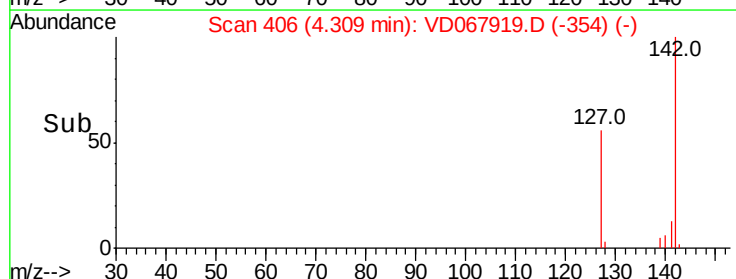
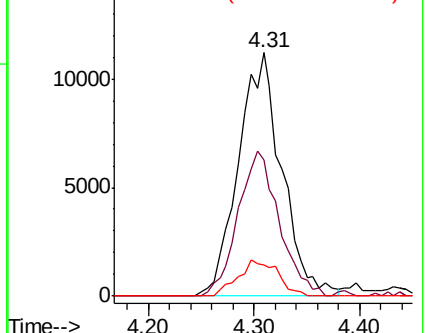
141 13.5 12.2 18.2

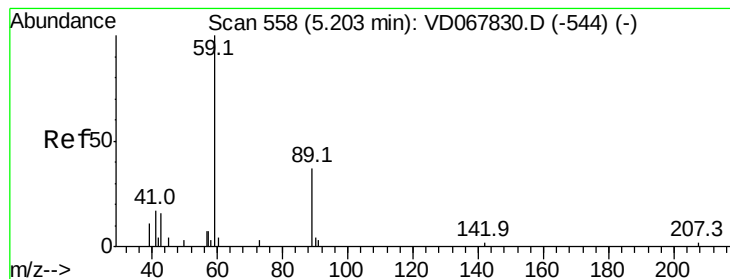


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



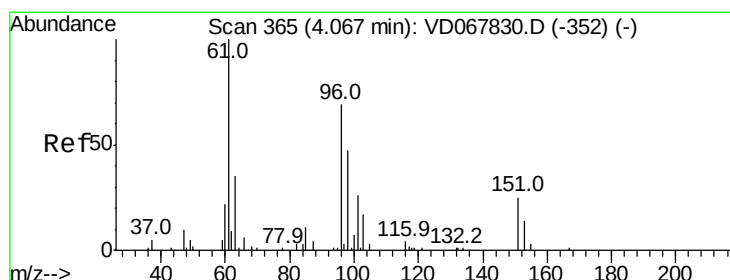
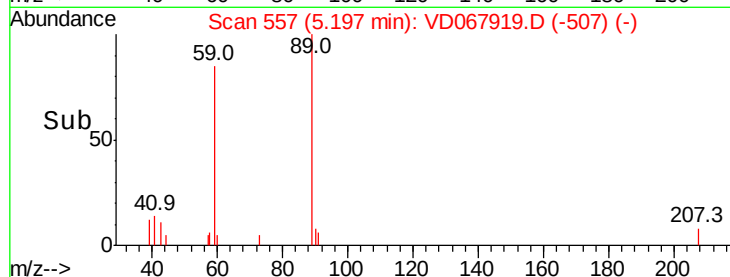
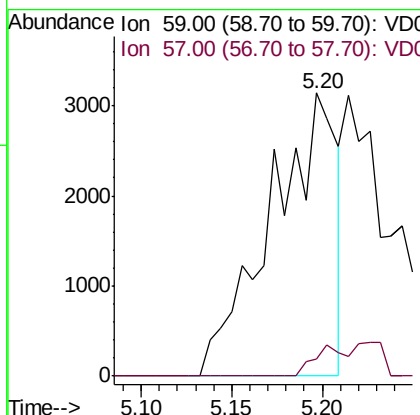
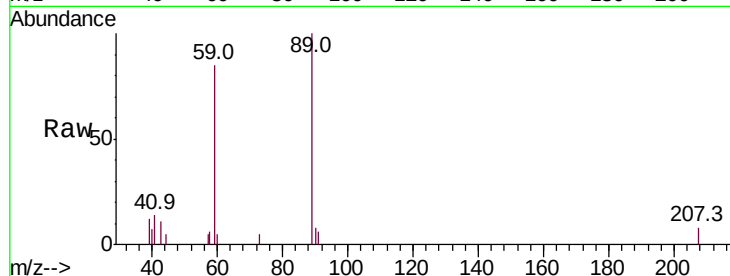


#11

Tert butyl alcohol
 Concen: 23.136 ug/l
 RT: 5.20 min Scan# 557
 Delta R.T. -0.01 min
 Lab File: VD067919.D
 Acq: 09 Dec 2020 11:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1209SBS01

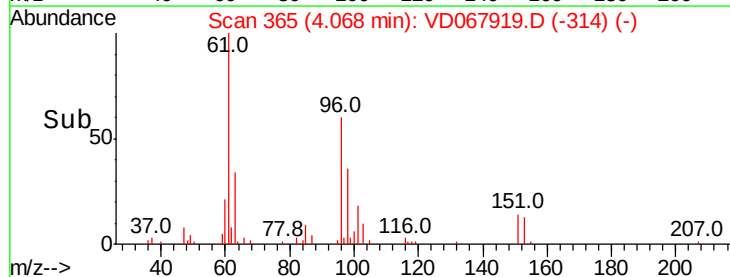
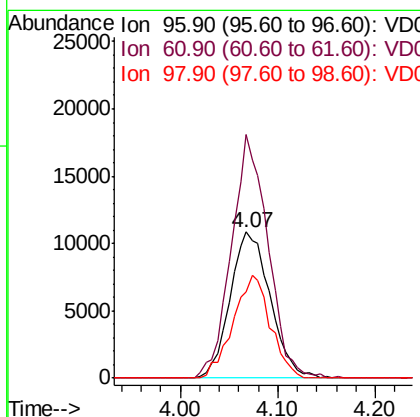
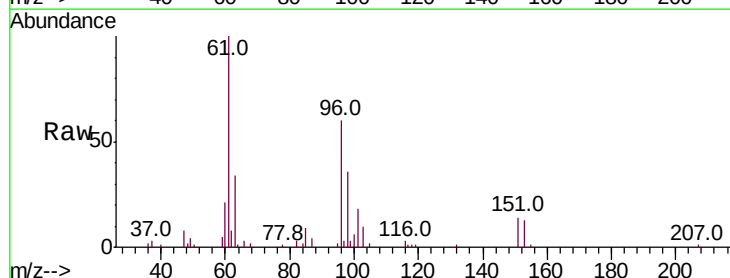
Tot Ion: 59 Resp: 7941
 Ion Ratio Lower Upper
 59 100
 57 5.2 7.7 11.5#

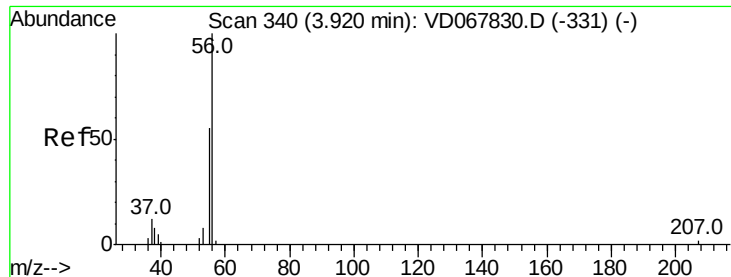


#12

1,1-Dichloroethene
 Concen: 19.507 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. 0.00 min
 Lab File: VD067919.D
 Acq: 09 Dec 2020 11:10

Tgt Ion: 96 Resp: 30921
 Ion Ratio Lower Upper
 96 100
 61 167.0 116.1 174.1
 98 59.3 54.6 82.0





#13

Acrolein

Concen: 72.522 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.01 min

Lab File: VD067919.D

Acq: 09 Dec 2020 11:10

Instrument :

MSVOA_D

ClientSampleId :

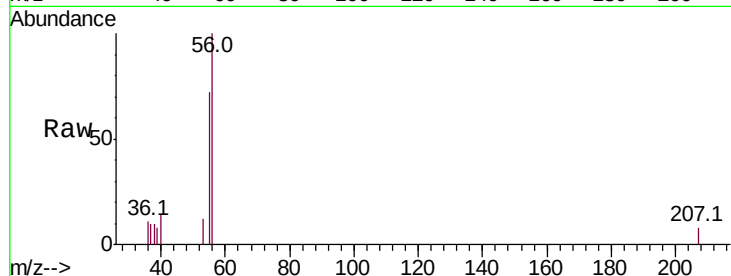
VD1209SBS01

Tot Ion: 56 Resp: 5723

Ion Ratio Lower Upper

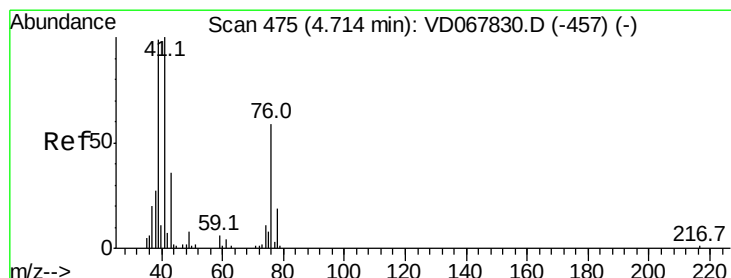
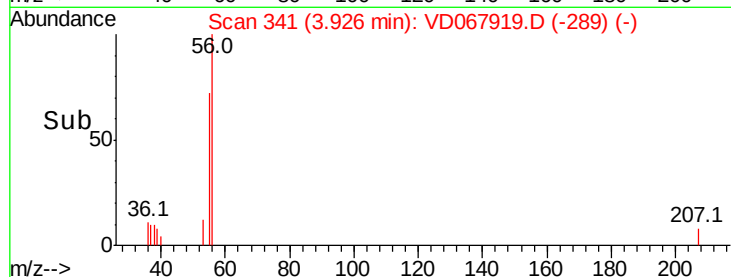
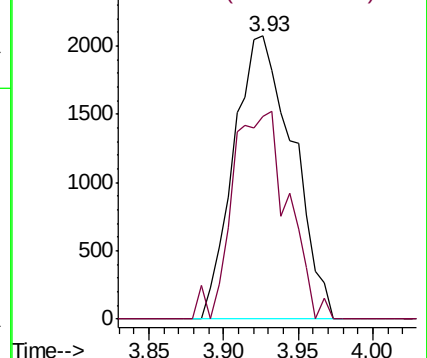
56 100

55 69.3 56.5 84.7



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 19.222 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD067919.D

Acq: 09 Dec 2020 11:10

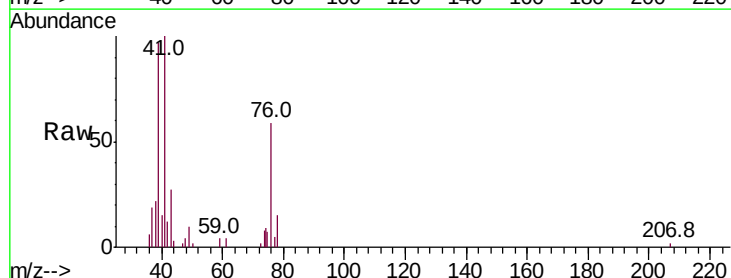
Tgt Ion: 41 Resp: 28186

Ion Ratio Lower Upper

41 100

39 107.4 79.0 118.6

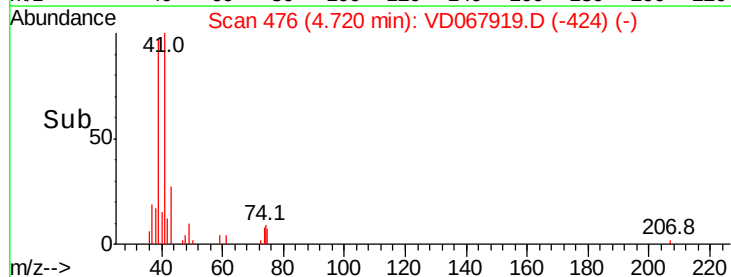
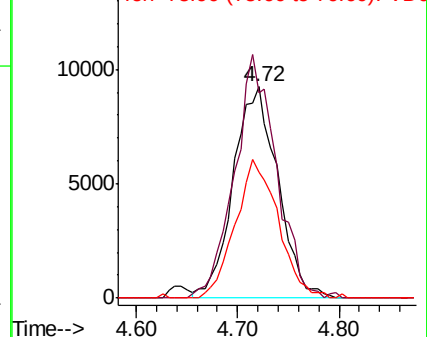
76 62.9 46.6 70.0

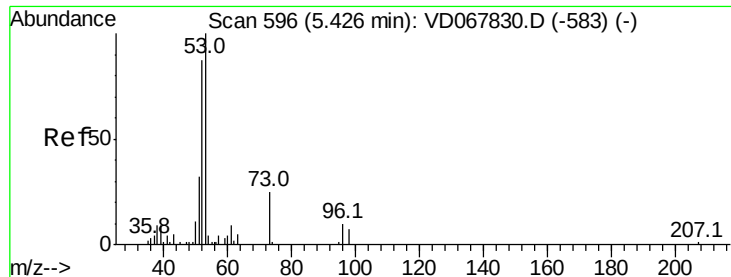


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 96.209 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.00 min

Lab File: VD067919.D

Acq: 09 Dec 2020 11:10

Instrument :

MSVOA_D

ClientSampleId :

VD1209SBS01

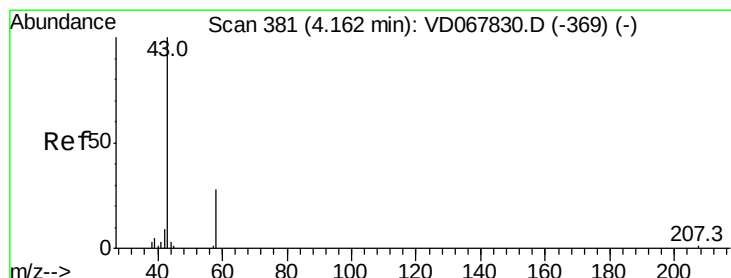
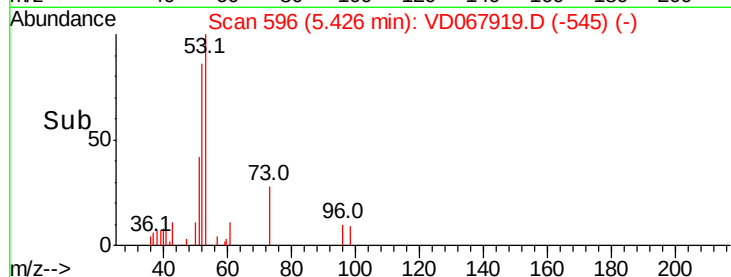
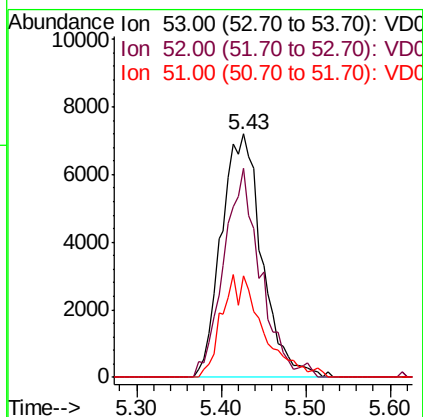
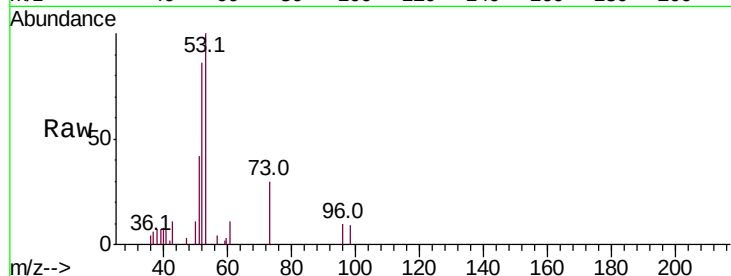
Tot Ion: 53 Resp: 24074

Ion Ratio Lower Upper

53 100

52 76.1 66.2 99.2

51 18.5 31.1 46.7#



#16

Acetone

Concen: 92.491 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.01 min

Lab File: VD067919.D

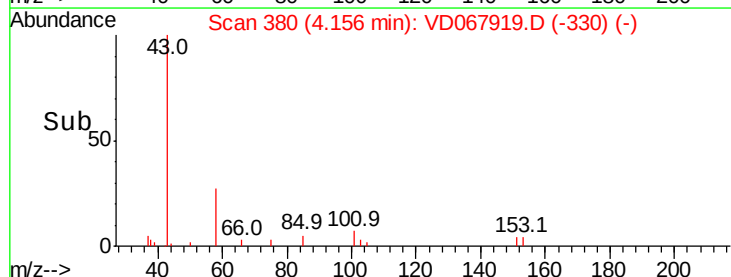
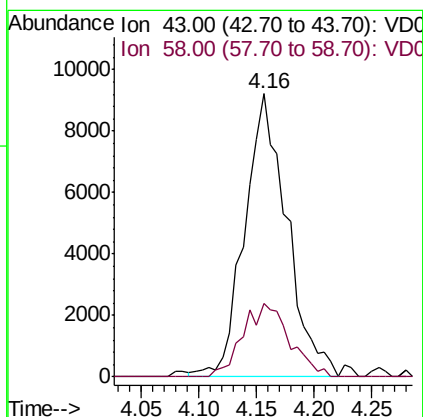
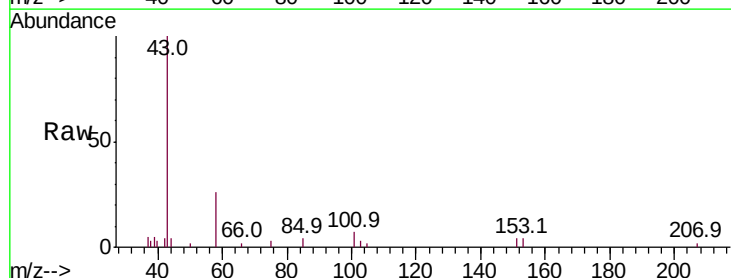
Acq: 09 Dec 2020 11:10

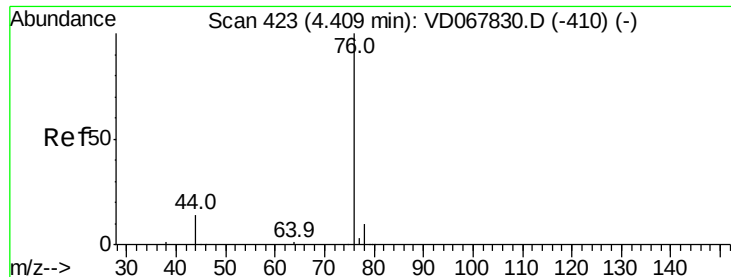
Tgt Ion: 43 Resp: 23470

Ion Ratio Lower Upper

43 100

58 26.2 21.9 32.9





#17

Carbon Disulfide

Concen: 18.808 ug/l

RT: 4.41 min Scan# 423

Delta R.T. 0.00 min

Lab File: VD067919.D

Acq: 09 Dec 2020 11:10

Instrument :

MSVOA_D

ClientSampleId :

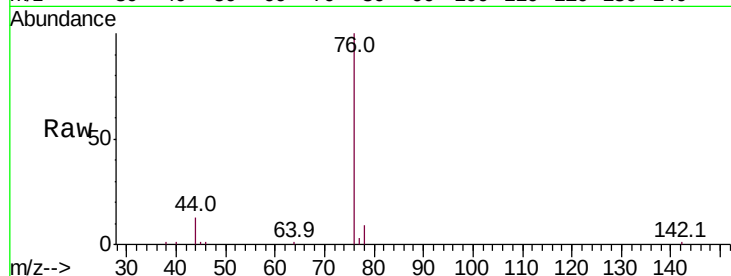
VD1209SBS01

Tot Ion: 76 Resp: 83235

Ion Ratio Lower Upper

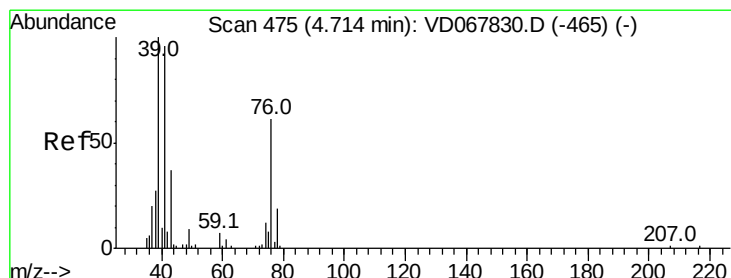
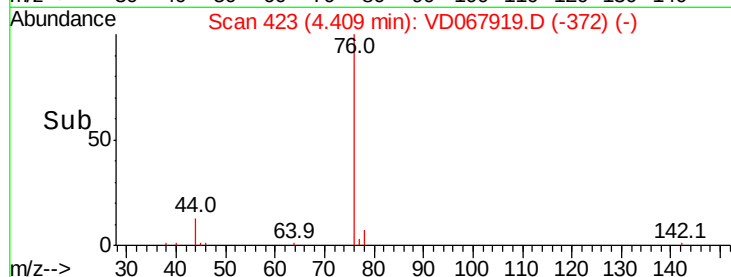
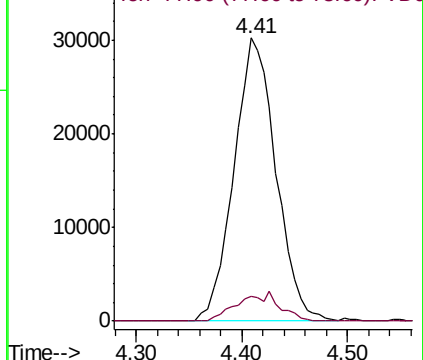
76 100

78 8.8 7.8 11.6



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 17.391 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD067919.D

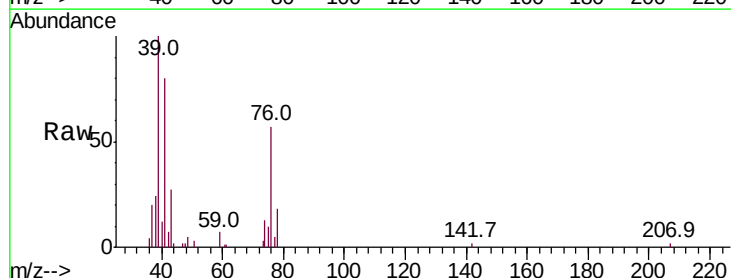
Acq: 09 Dec 2020 11:10

Tgt Ion: 43 Resp: 8508

Ion Ratio Lower Upper

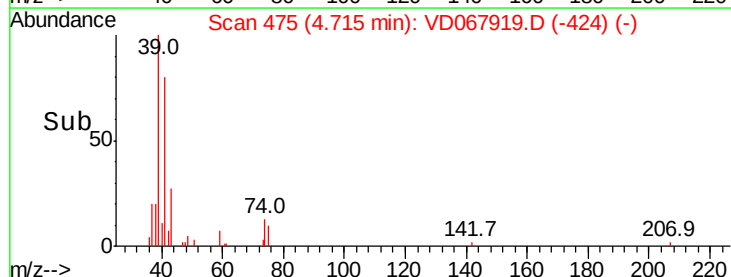
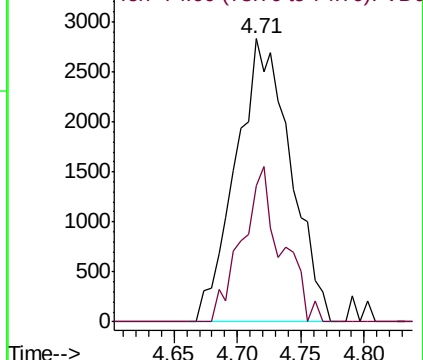
43 100

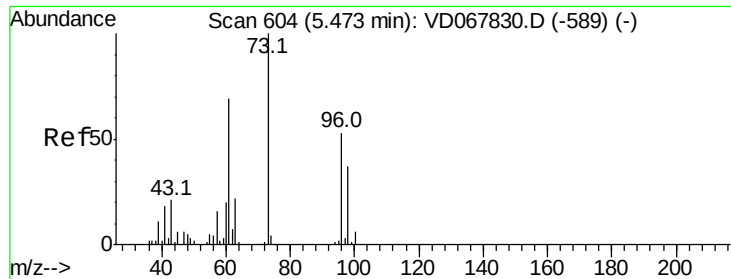
74 39.8 27.0 40.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

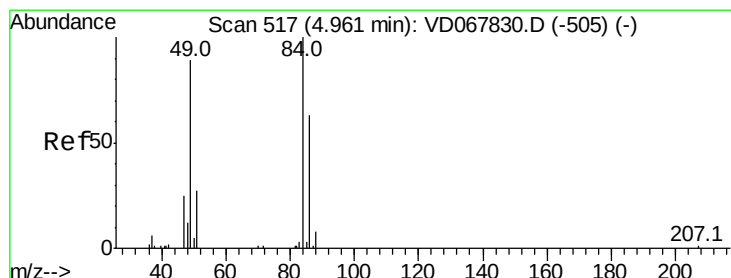
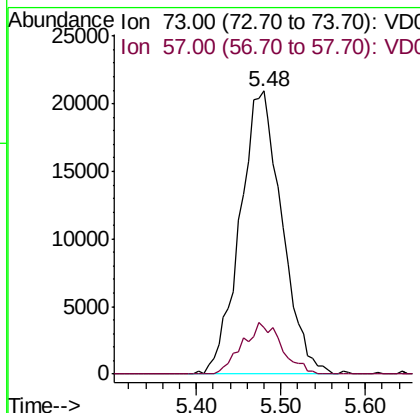
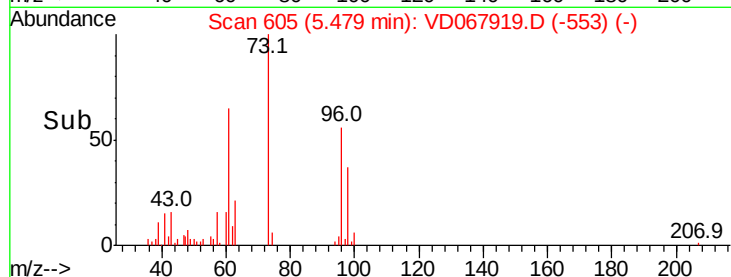
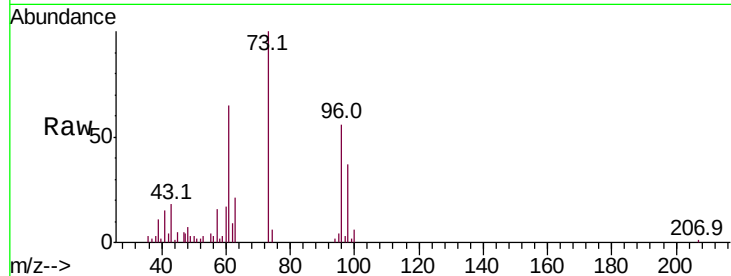




#19
Methyl tert-butyl Ether
Concen: 21.249 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.01 min
Lab File: VD067919.D
Acq: 09 Dec 2020 11:10

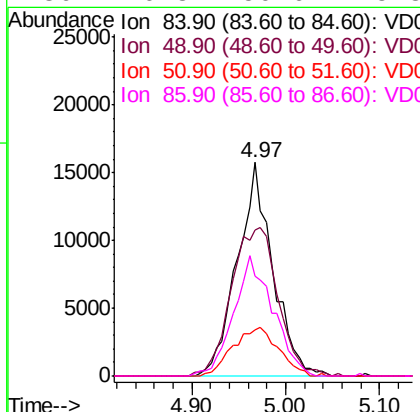
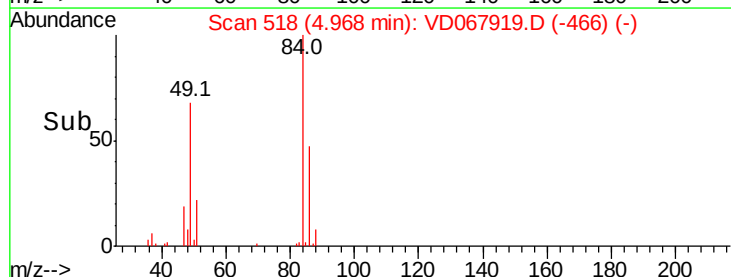
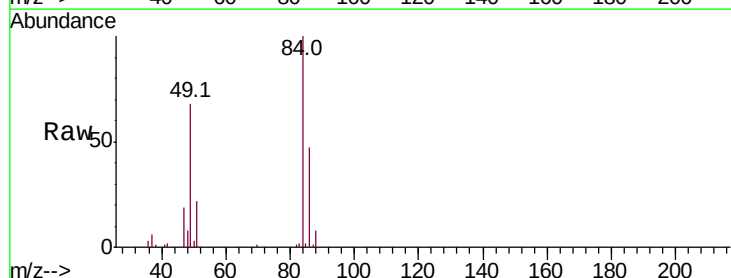
Instrument :
MSVOA_D
ClientSampleId :
VD1209SBS01

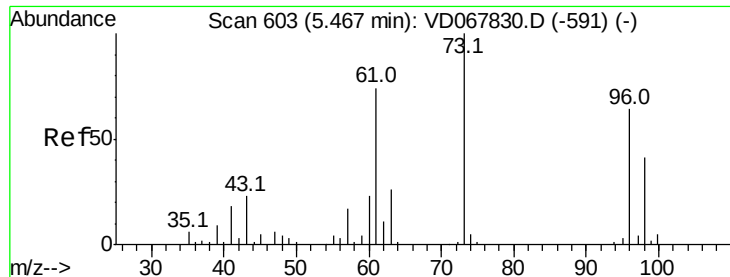
Tot Ion: 73 Resp: 72122
Ion Ratio Lower Upper
73 100
57 16.4 13.2 19.8



#20
Methylene Chloride
Concen: 22.973 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067919.D
Acq: 09 Dec 2020 11:10

Tgt Ion: 84 Resp: 41411
Ion Ratio Lower Upper
84 100
49 68.5 71.4 107.0#
51 21.6 21.8 32.8#
86 46.8 50.6 75.8#





#21

trans-1,2-Dichloroethene

Concen: 20.537 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD067919.D

Acq: 09 Dec 2020 11:10

Instrument :

MSVOA_D

ClientSampleId :

VD1209SBS01

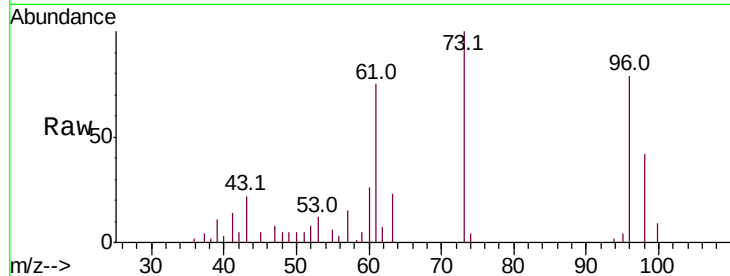
Tot Ion: 96 Resp: 37042

Ion Ratio Lower Upper

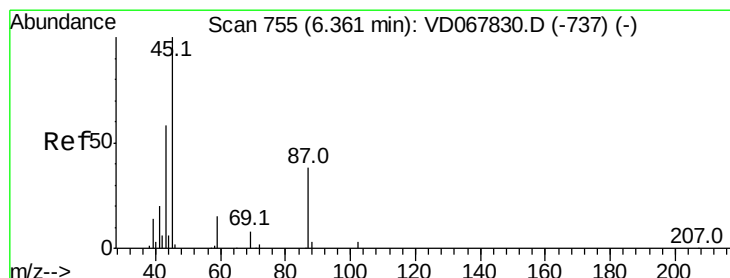
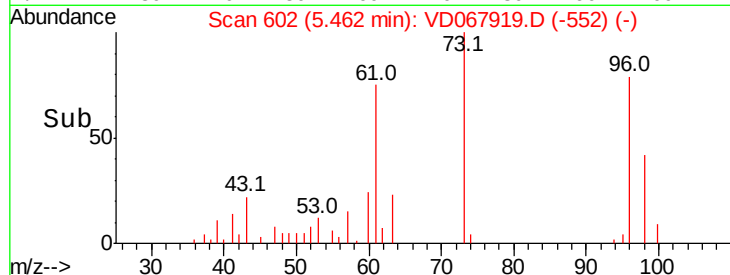
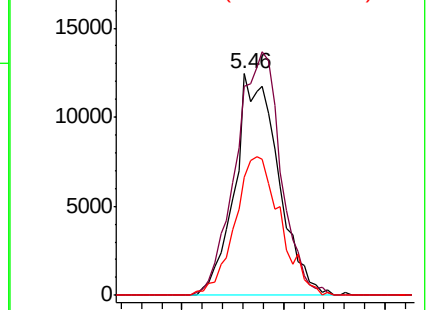
96 100

61 94.4 93.1 139.7

98 53.3 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: 20.811 ug/l

RT: 6.36 min Scan# 755

Delta R.T. 0.00 min

Lab File: VD067919.D

Acq: 09 Dec 2020 11:10

Tgt Ion: 45 Resp: 61376

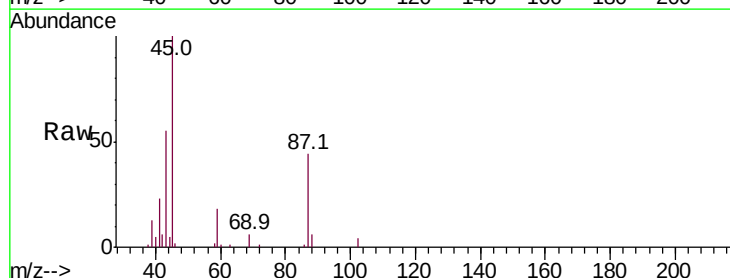
Ion Ratio Lower Upper

45 100

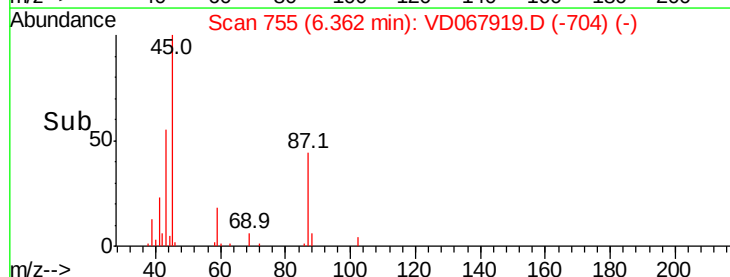
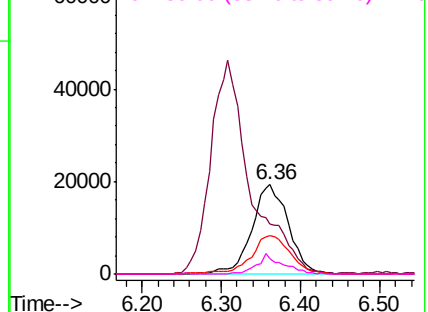
43 54.3 49.8 74.6

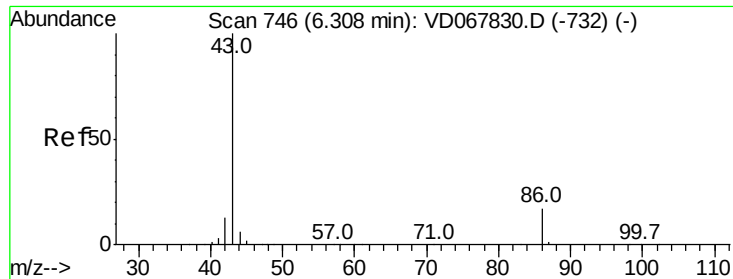
87 43.5 32.1 48.1

59 17.6 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

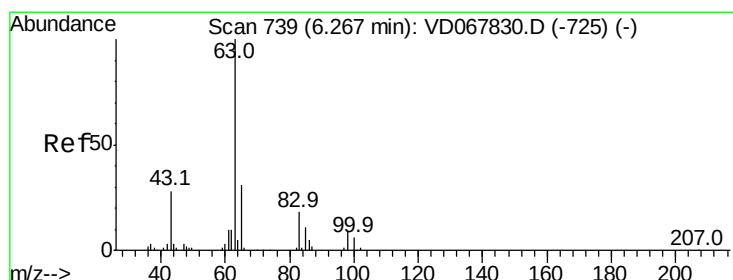
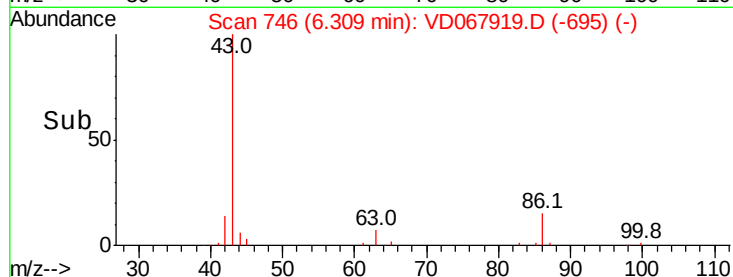
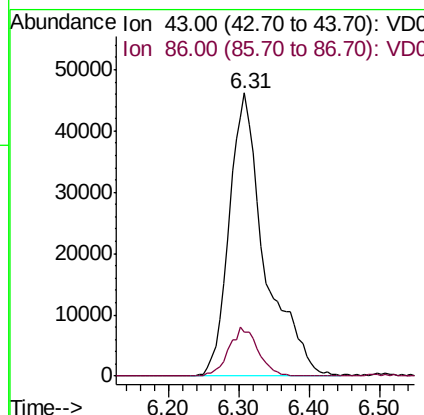
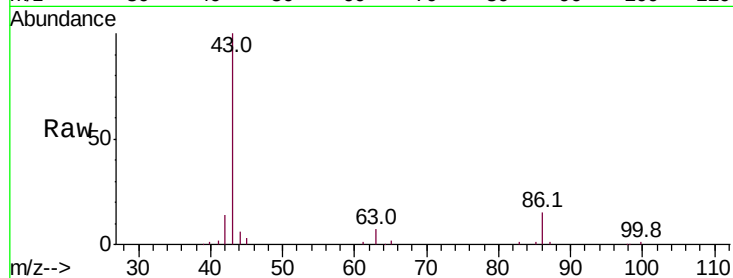




#23
 Vinyl Acetate
 Concen: 98.535 ug/l
 RT: 6.31 min Scan# 746
 Delta R.T. 0.00 min
 Lab File: VD067919.D
 Acq: 09 Dec 2020 11:10

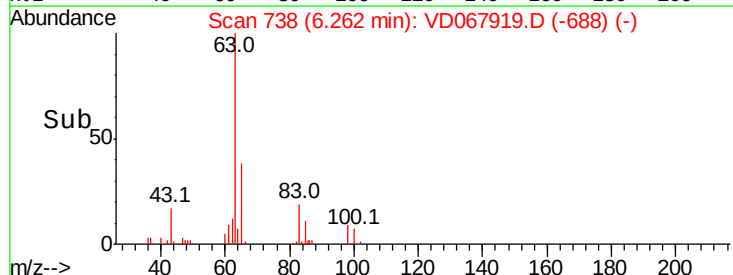
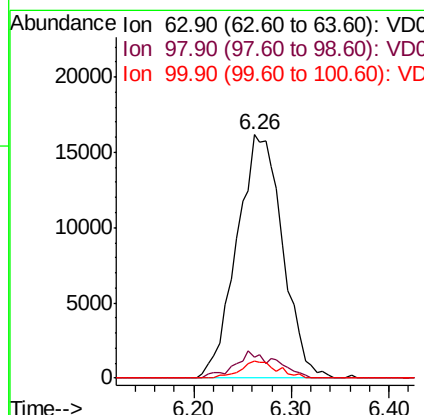
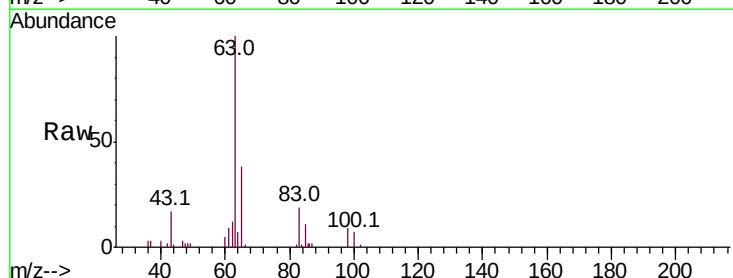
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1209SBS01

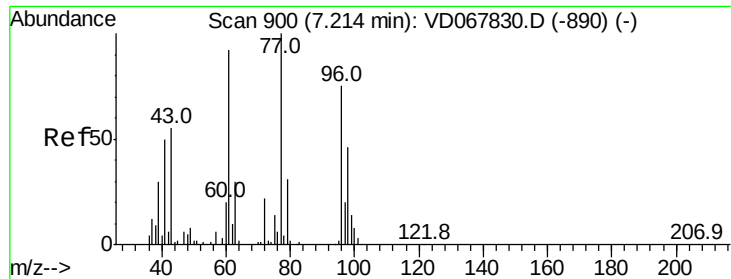
Tot Ion: 43 Resp: 161668
 Ion Ratio Lower Upper
 43 100
 86 15.4 13.8 20.6



#24
 1,1-Dichloroethane
 Concen: 20.435 ug/l
 RT: 6.26 min Scan# 738
 Delta R.T. -0.01 min
 Lab File: VD067919.D
 Acq: 09 Dec 2020 11:10

Tgt Ion: 63 Resp: 52830
 Ion Ratio Lower Upper
 63 100
 98 8.5 4.5 13.5
 100 6.8 3.0 9.2

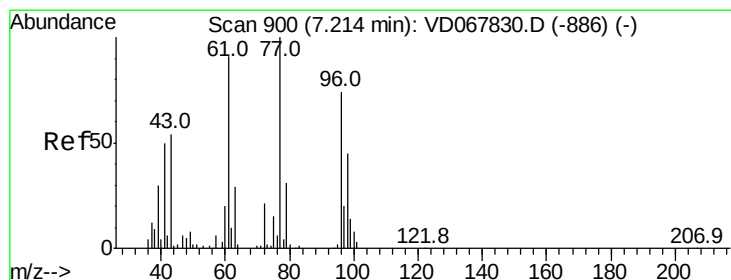
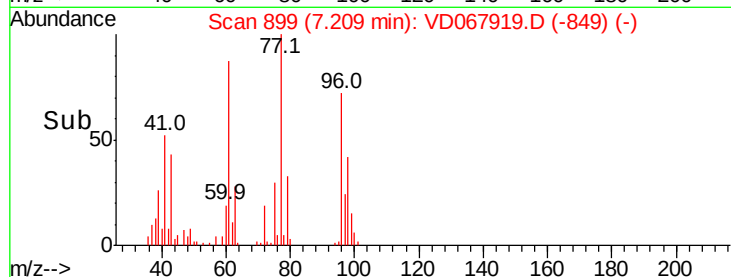
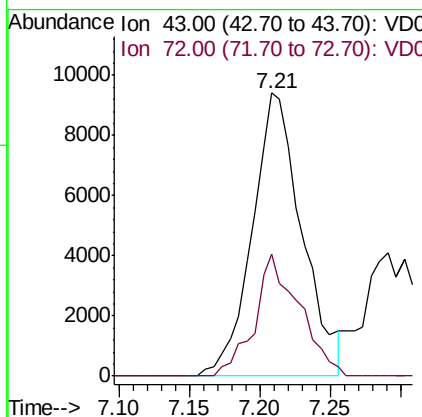
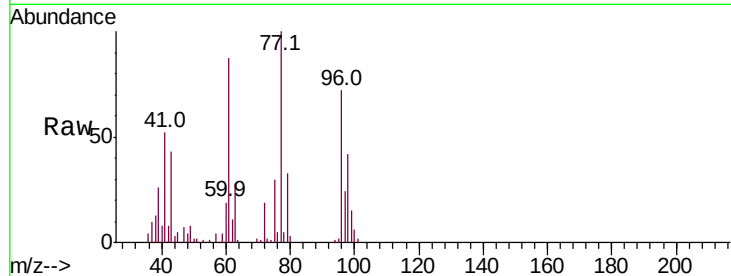




#25
 2-Butanone
 Concen: 86.909 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD067919.D
 Acq: 09 Dec 2020 11:10

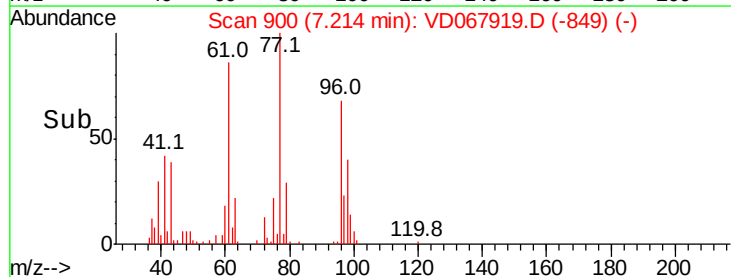
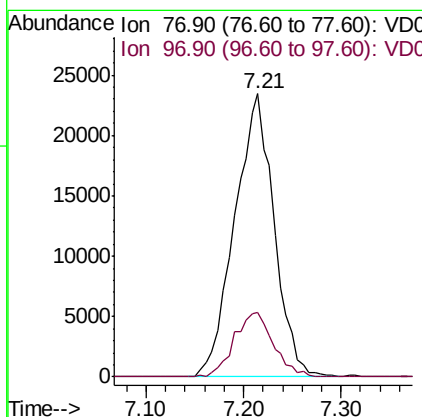
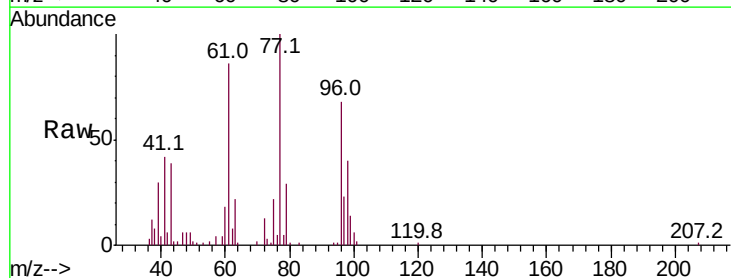
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1209SBS01

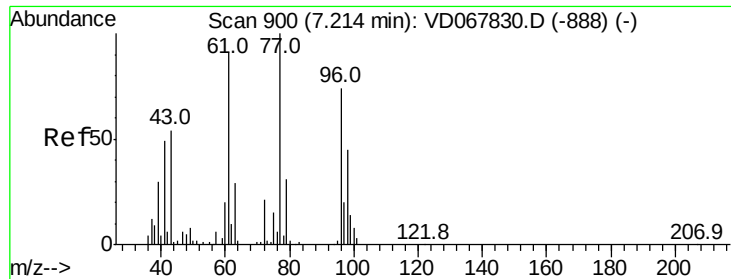
Tot Ion: 43 Resp: 23196
 Ion Ratio Lower Upper
 43 100
 72 43.1 31.3 46.9



#26
 2,2-Dichloropropane
 Concen: 21.284 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD067919.D
 Acq: 09 Dec 2020 11:10

Tgt Ion: 77 Resp: 65618
 Ion Ratio Lower Upper
 77 100
 97 22.7 11.1 33.1



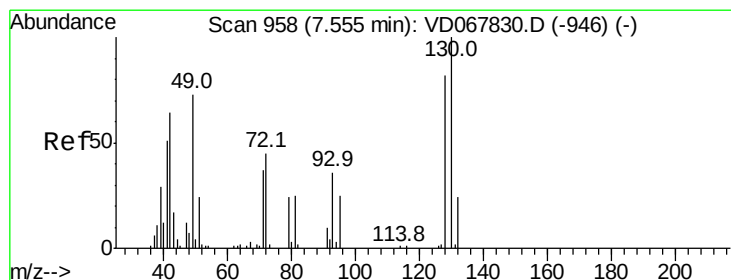
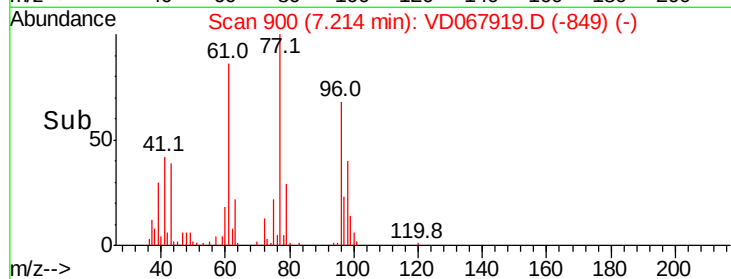
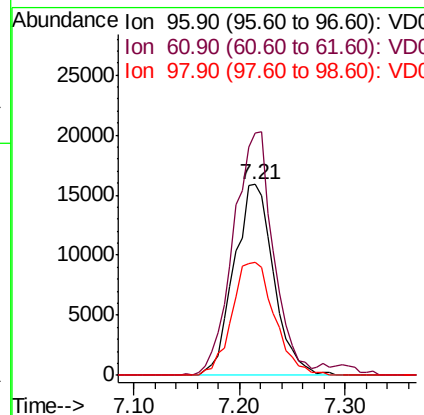
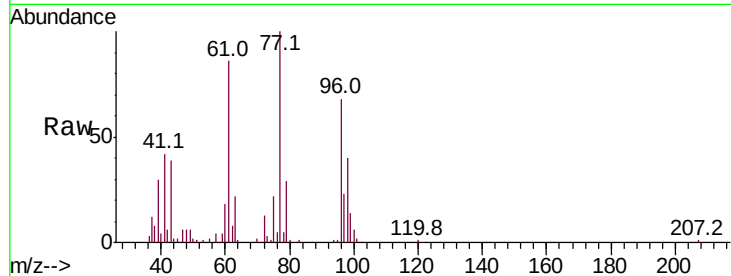


#27

cis-1,2-Dichloroethene
Concen: 20.928 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD067919.D
Acq: 09 Dec 2020 11:10

Instrument :
MSVOA_D
ClientSampleId :
VD1209SBS01

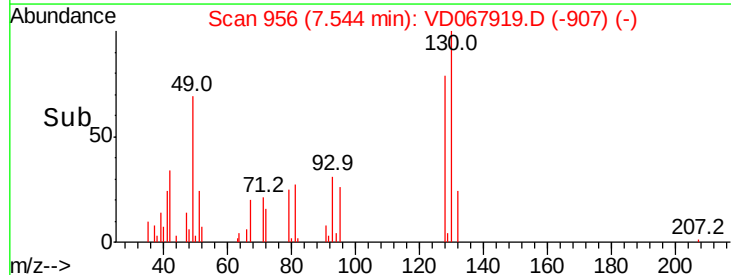
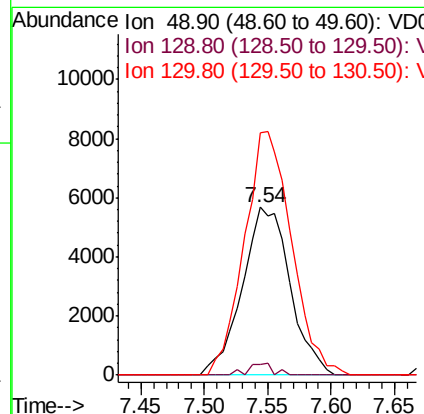
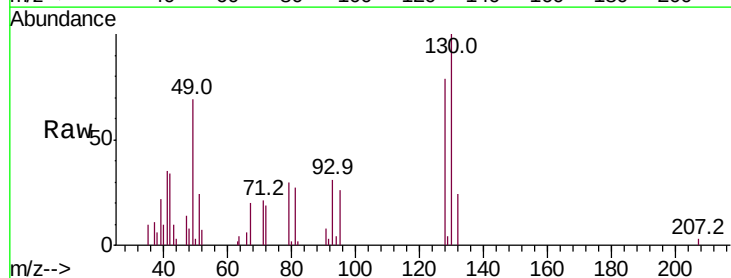
Tot Ion: 96 Resp: 41287
Ion Ratio Lower Upper
96 100
61 129.4 0.0 248.4
98 63.2 0.0 127.4

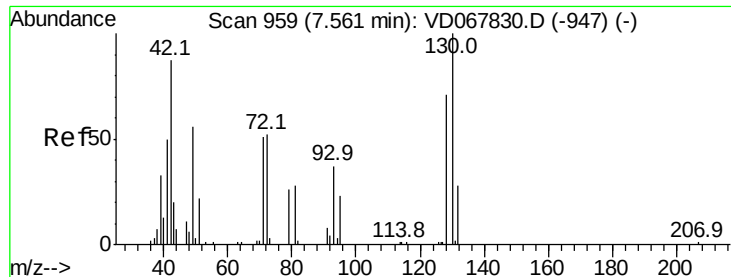


#28

Bromochloromethane
Concen: 18.145 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.01 min
Lab File: VD067919.D
Acq: 09 Dec 2020 11:10

Tgt Ion: 49 Resp: 14894
Ion Ratio Lower Upper
49 100
129 3.6 0.0 3.4#
130 143.6 110.2 165.2

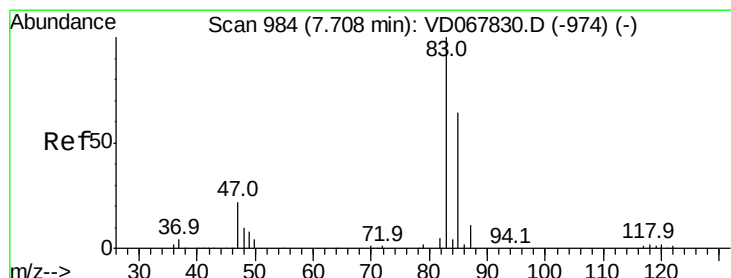
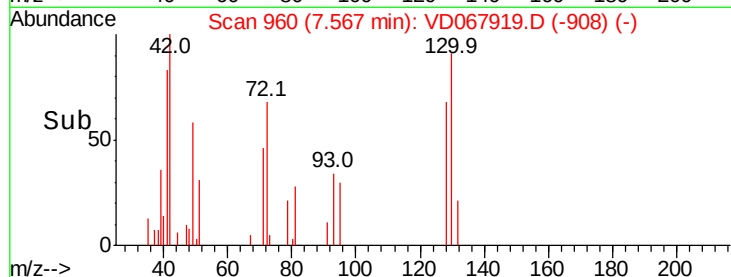
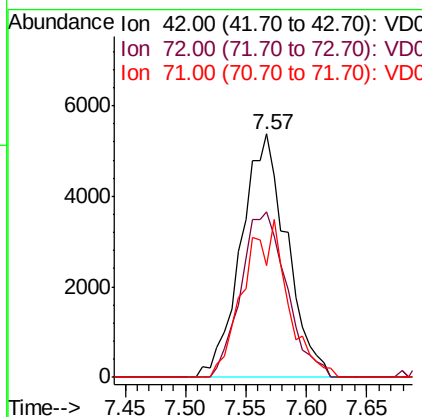
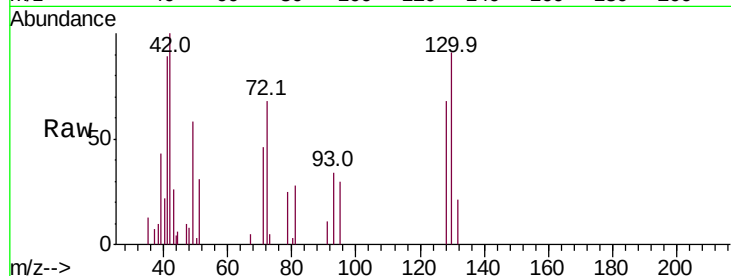




#29
Tetrahydrofuran
Concen: 93.091 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.01 min
Lab File: VD067919.D
Acq: 09 Dec 2020 11:10

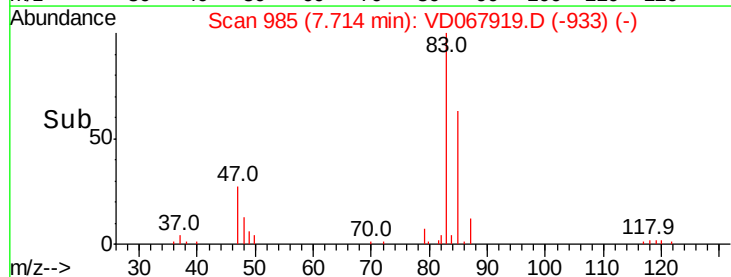
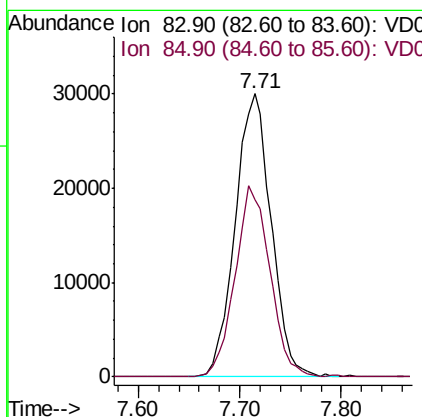
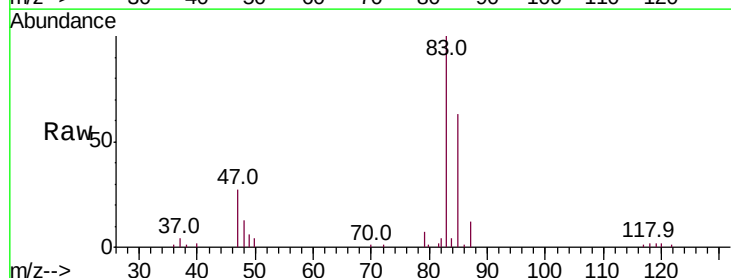
Instrument :
MSVOA_D
ClientSampleId :
VD1209SBS01

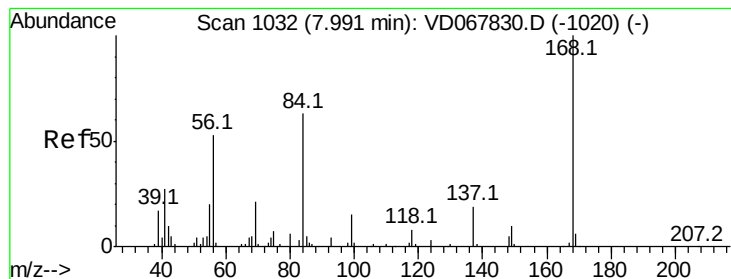
Tot Ion: 42 Resp: 14147
Ion Ratio Lower Upper
42 100
72 68.0 51.9 77.9
71 61.9 48.2 72.4



#30
Chloroform
Concen: 21.383 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.01 min
Lab File: VD067919.D
Acq: 09 Dec 2020 11:10

Tgt Ion: 83 Resp: 73878
Ion Ratio Lower Upper
83 100
85 62.8 51.0 76.4





#31

Cyclohexane

Concen: 19.216 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.01 min

Lab File: VD067919.D

Acq: 09 Dec 2020 11:10

Instrument :

MSVOA_D

ClientSampleId :

VD1209SBS01

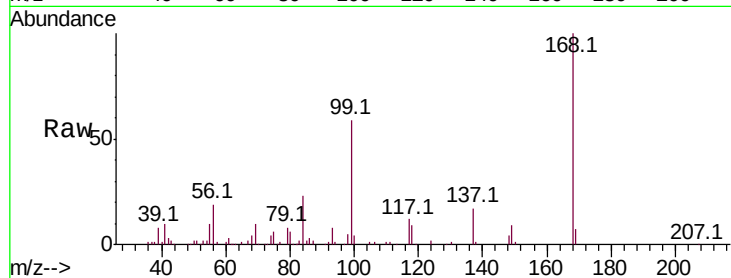
Tot Ion: 56 Resp: 41574

Ion Ratio Lower Upper

56 100

69 50.7 32.1 48.1#

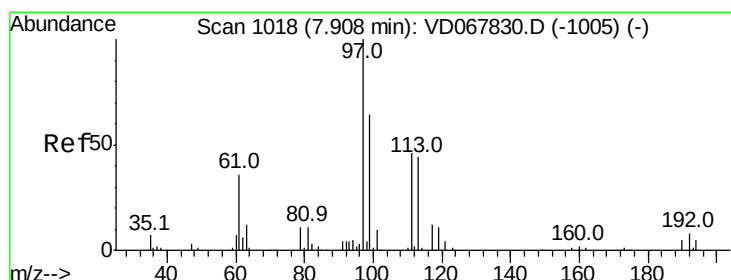
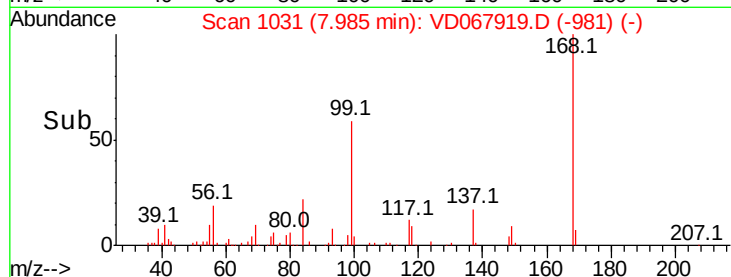
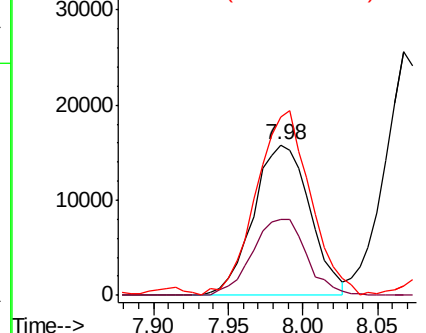
84 115.9 93.2 139.8



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC



#32

1,1,1-Trichloroethane

Concen: 21.777 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VD067919.D

Acq: 09 Dec 2020 11:10

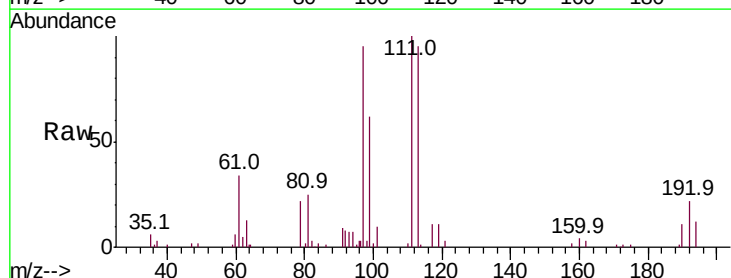
Tgt Ion: 97 Resp: 79425

Ion Ratio Lower Upper

97 100

99 65.8 51.4 77.2

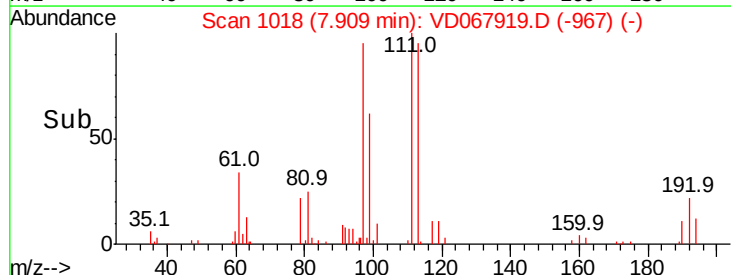
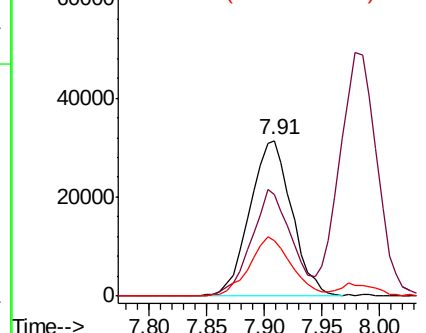
61 38.2 30.8 46.2

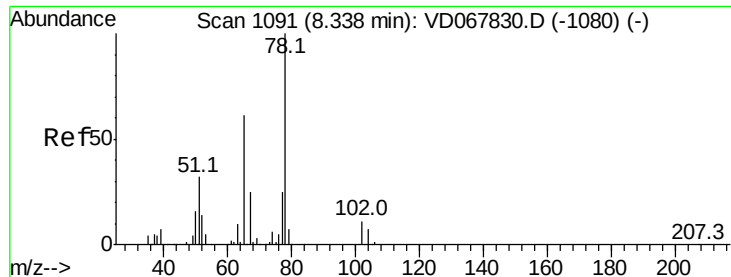


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 98.90 (98.60 to 99.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

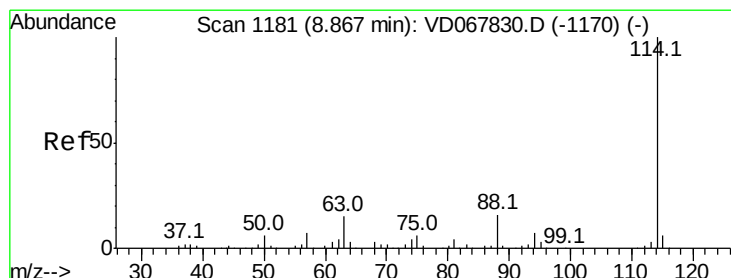
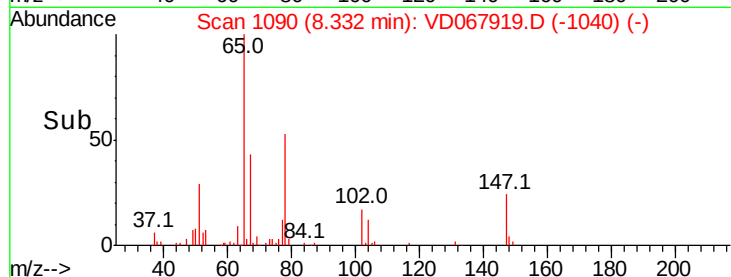
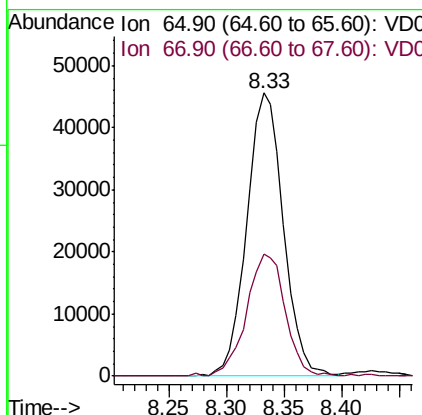
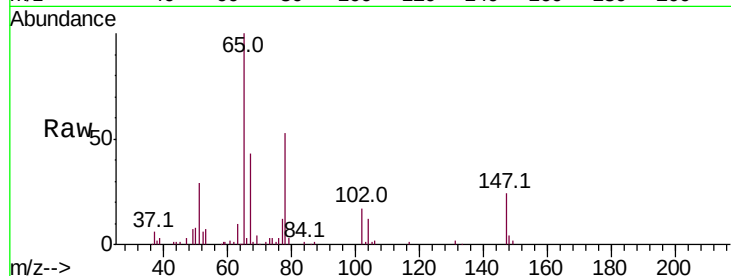




#33
 1,2-Dichloroethane-d4
 Concen: 48.965 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD067919.D
 Acq: 09 Dec 2020 11:10

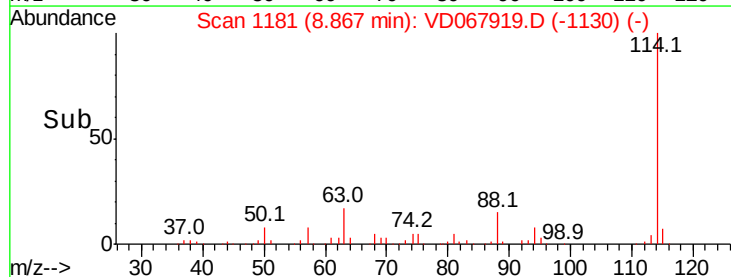
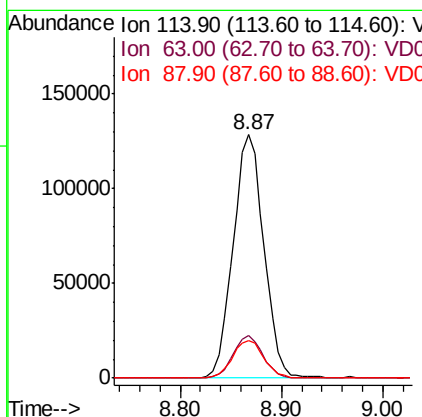
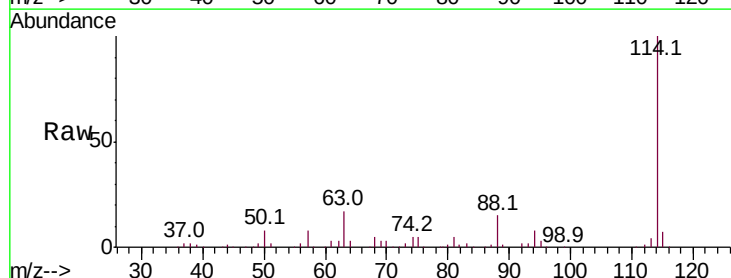
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1209SBS01

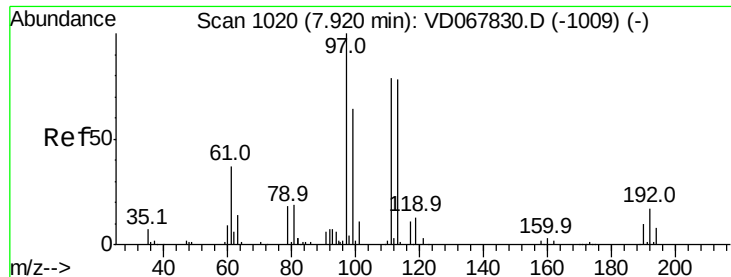
Tot Ion: 65 Resp: 100551
 Ion Ratio Lower Upper
 65 100
 67 45.5 0.0 92.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD067919.D
 Acq: 09 Dec 2020 11:10

Tgt Ion: 114 Resp: 270170
 Ion Ratio Lower Upper
 114 100
 63 17.5 0.0 30.8
 88 15.4 0.0 31.8

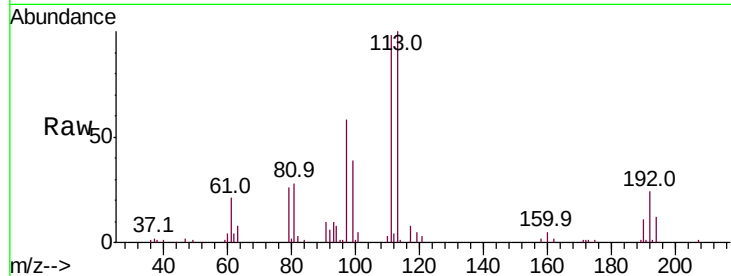




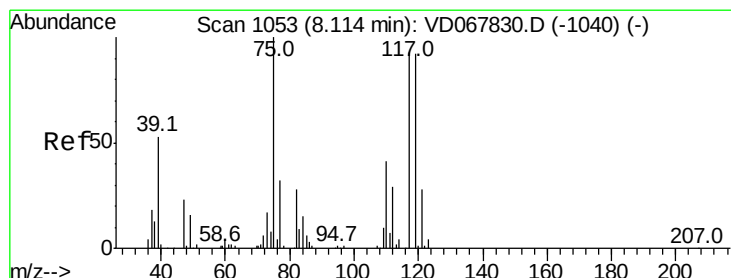
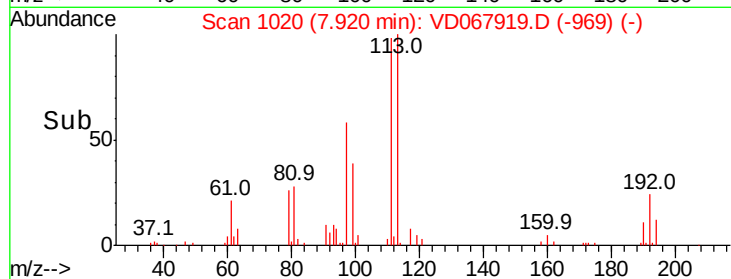
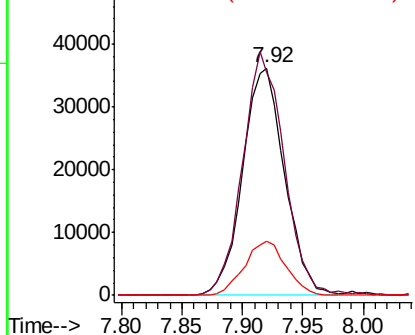
#35
 Dibromofluoromethane
 Concen: 48.501 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD067919.D
 Acq: 09 Dec 2020 11:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1209SBS01

Tot Ion:113 Resp: 87681
 Ion Ratio Lower Upper
 113 100
 111 106.3 81.2 121.8
 192 23.5 16.8 25.2

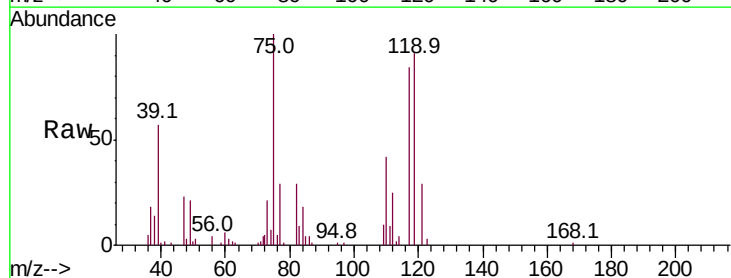


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

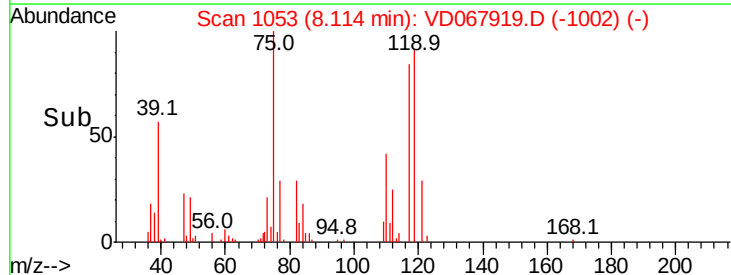
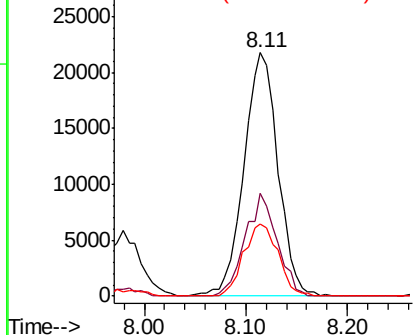


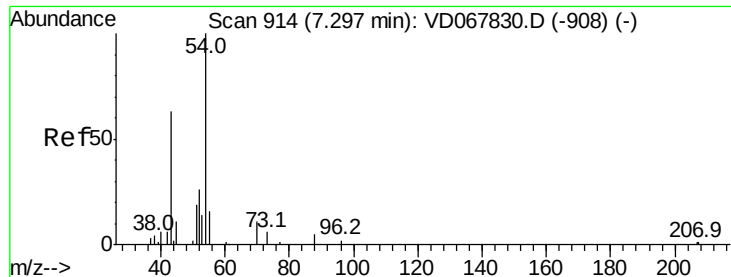
#36
 1,1-Dichloropropene
 Concen: 21.640 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD067919.D
 Acq: 09 Dec 2020 11:10

Tgt Ion: 75 Resp: 50612
 Ion Ratio Lower Upper
 75 100
 110 39.4 20.3 61.0
 77 29.9 24.7 37.1



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

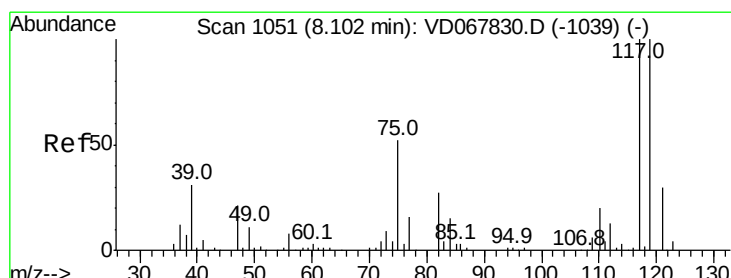
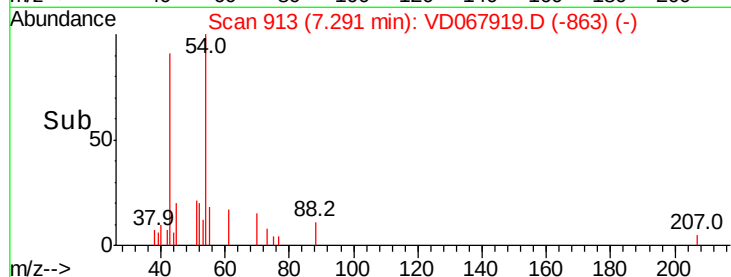
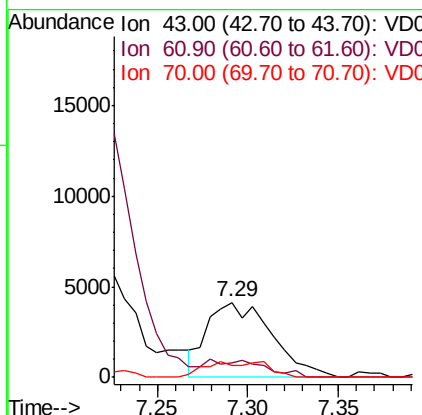
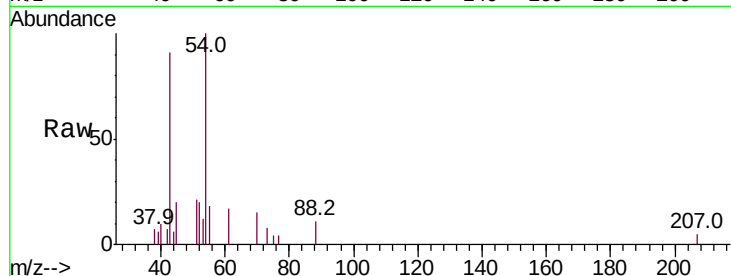




#37
Ethyl Acetate
Concen: 16.199 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD067919.D
Acq: 09 Dec 2020 11:10

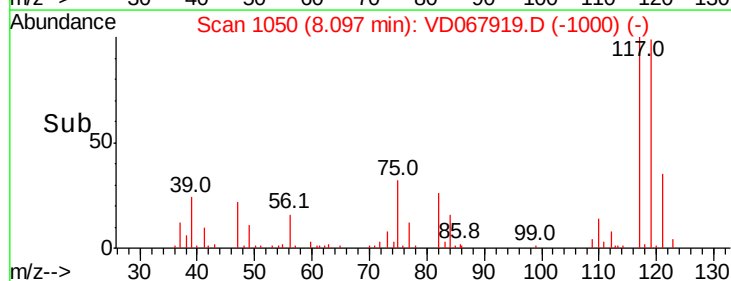
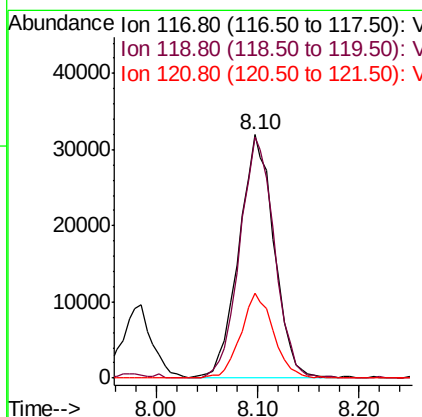
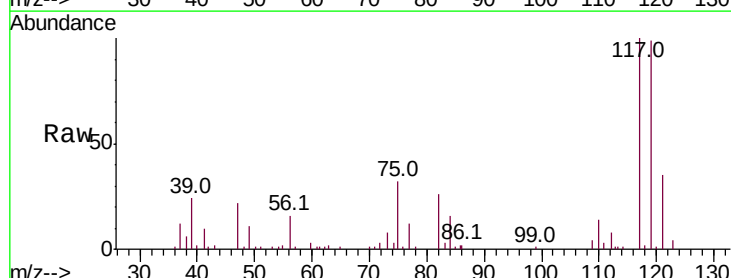
Instrument :
MSVOA_D
ClientSampleId :
VD1209SBS01

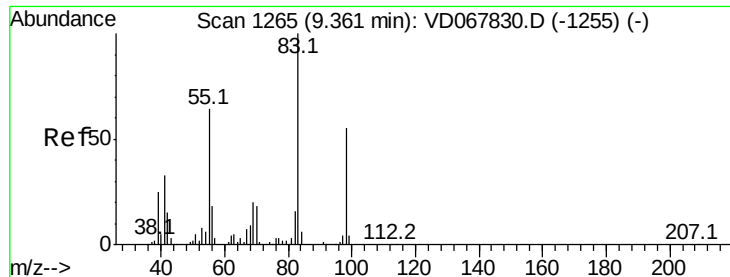
Tot Ion: 43 Resp: 10211
Ion Ratio Lower Upper
43 100
61 0.0 11.4 17.2#
70 12.1 11.5 17.3



#38
Carbon Tetrachloride
Concen: 21.783 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD067919.D
Acq: 09 Dec 2020 11:10

Tgt Ion: 117 Resp: 77086
Ion Ratio Lower Upper
117 100
119 98.9 79.7 119.5
121 34.6 23.8 35.6

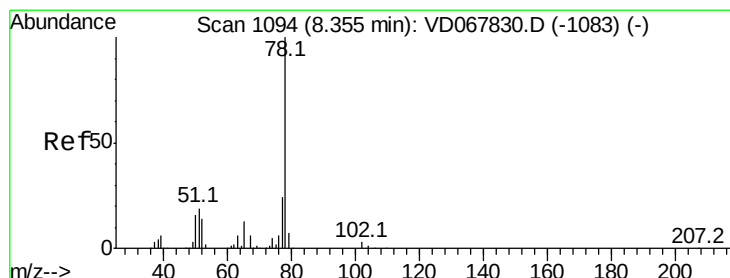
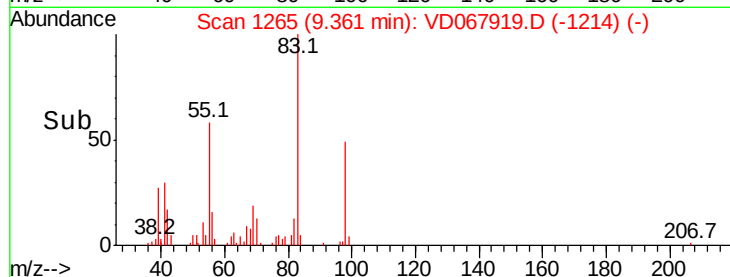
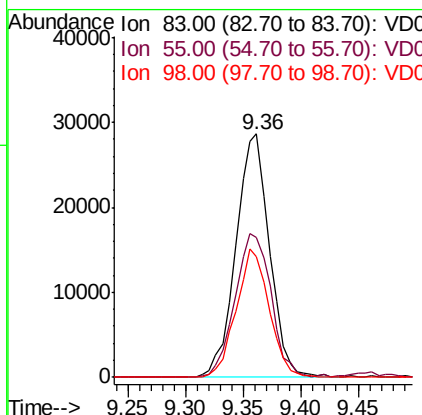
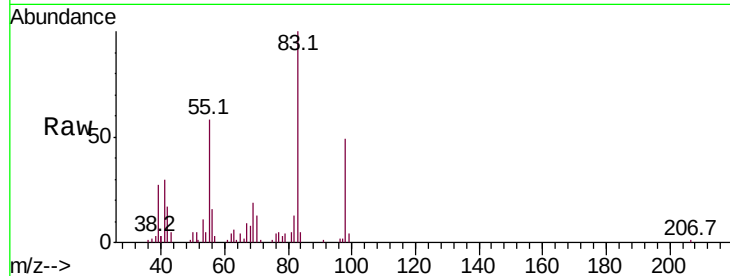




#39
Methylvlcyclohexane
Concen: 20.843 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VD067919.D
Acq: 09 Dec 2020 11:10

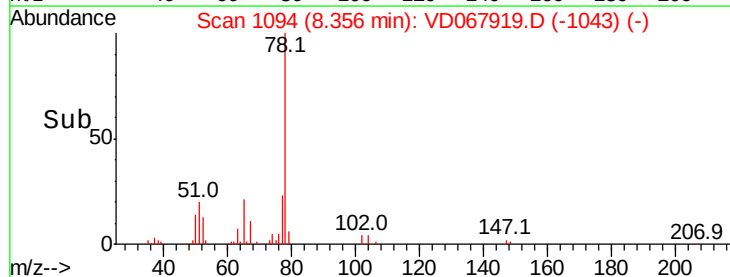
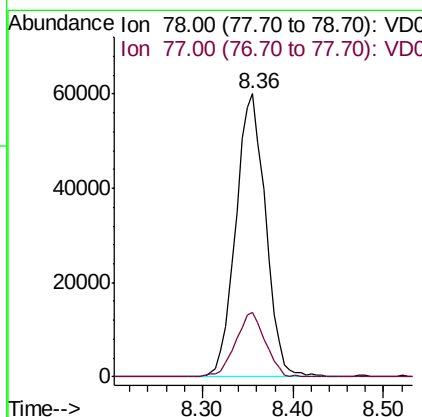
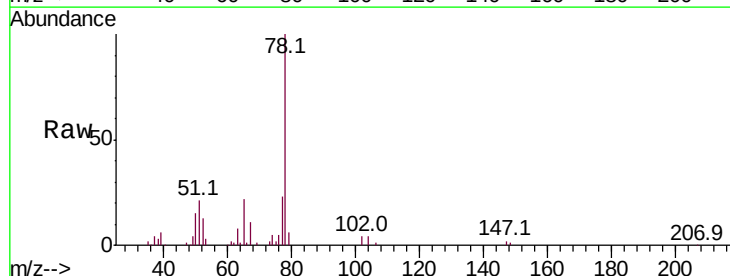
Instrument :
MSVOA_D
ClientSampleId :
VD1209SBS01

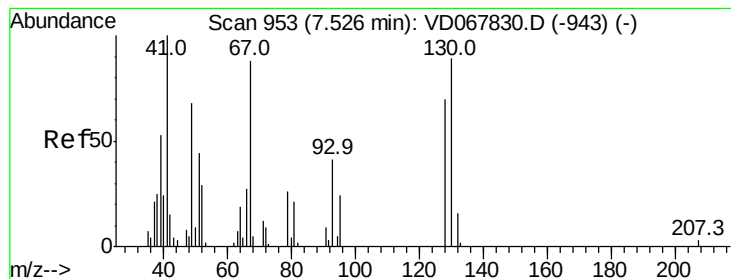
Tot Ion	83	Resp	57769
Ion	Ratio	Lower	Upper
83	100		
55	57.7	51.6	77.4
98	49.4	44.3	66.5



#40
Benzene
Concen: 21.402 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD067919.D
Acq: 09 Dec 2020 11:10

Tgt Ion	78	Resp	136970
Ion	Ratio	Lower	Upper
78	100		
77	22.8	19.1	28.7





#41

Methacrylonitrile

Concen: 26.436 ug/l

RT: 7.53 min Scan# 953

Delta R.T. 0.00 min

Lab File: VD067919.D

Acq: 09 Dec 2020 11:10

Instrument :

MSVOA_D

ClientSampleId :

VD1209SBS01

Tot Ion: 41 Resp: 8545

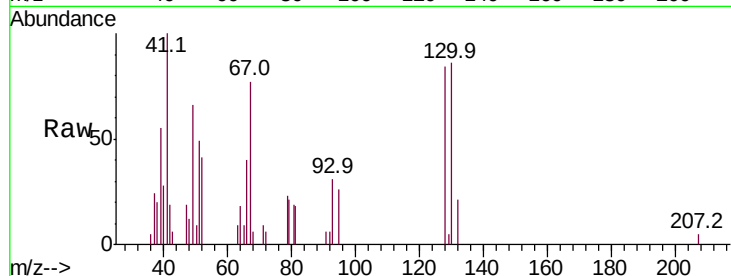
Ion Ratio Lower Upper

41 100

39 51.6 42.1 63.1

67 77.1 82.4 123.6#

52 35.6 30.6 45.8

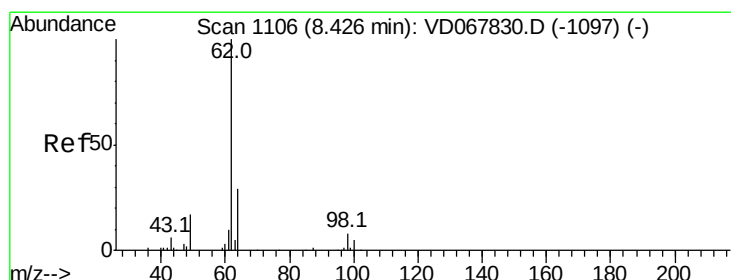
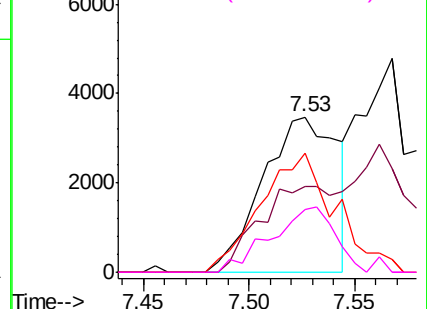
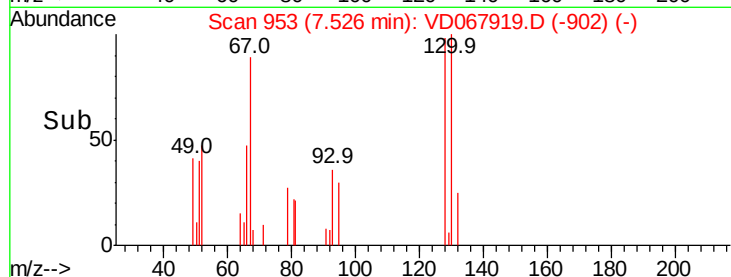


Abundance Ion 41.00 (40.70 to 41.70): VDC

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: 21.966 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VD067919.D

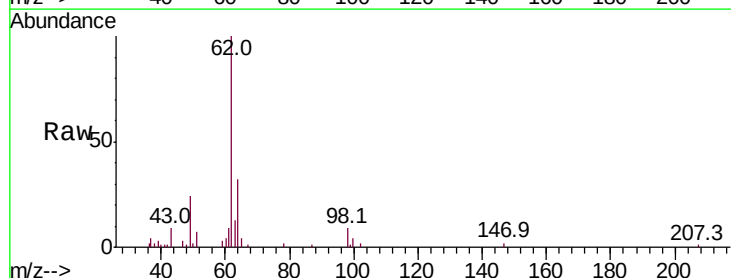
Acq: 09 Dec 2020 11:10

Tgt Ion: 62 Resp: 50103

Ion Ratio Lower Upper

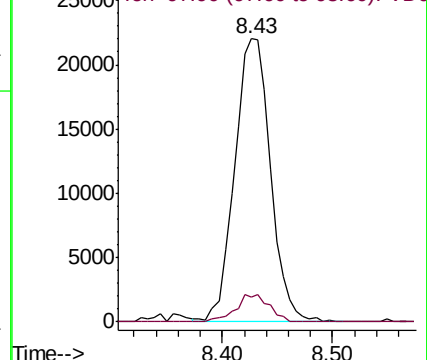
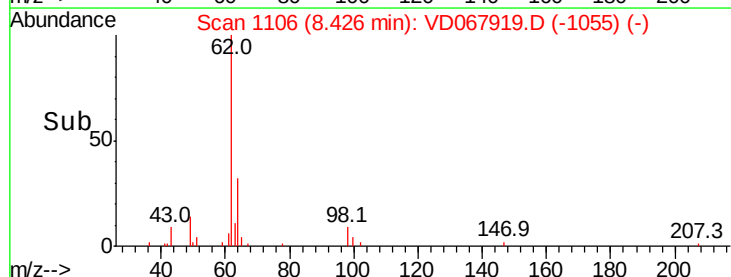
62 100

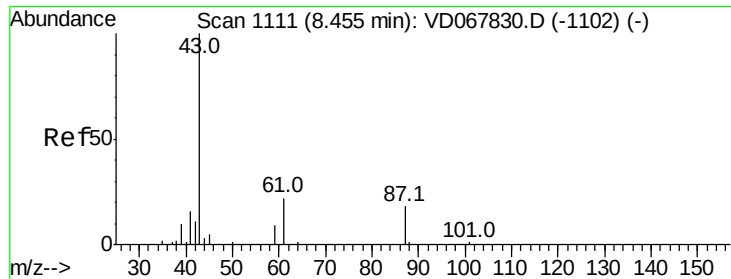
98 9.0 0.0 17.2



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 18.315 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD067919.D

Acq: 09 Dec 2020 11:10

Instrument :

MSVOA_D

ClientSampleId :

VD1209SBS01

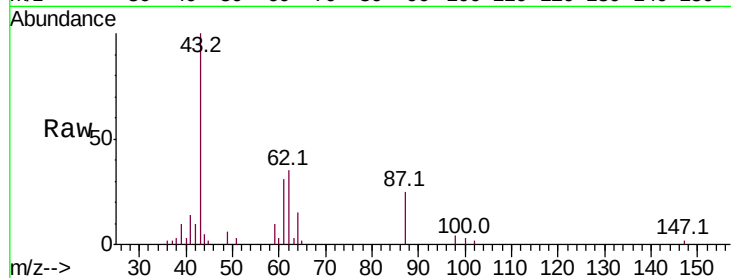
Tot Ion: 43 Resp: 22716

Ion Ratio Lower Upper

43 100

61 42.2 30.4 45.6

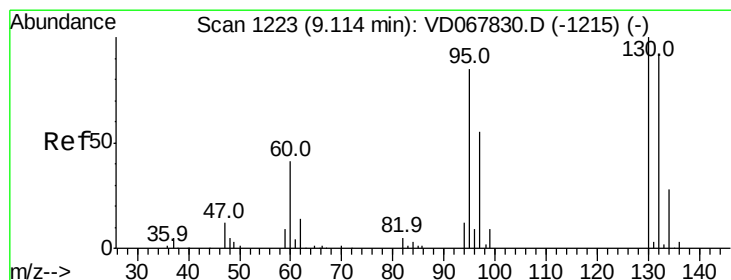
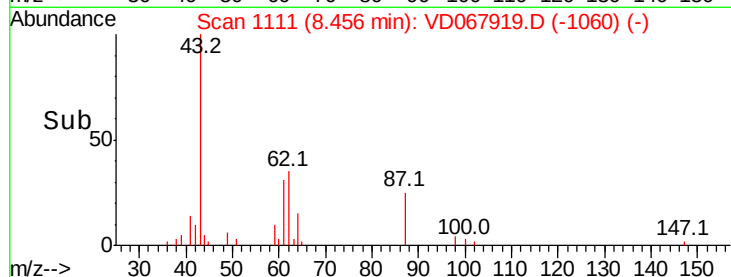
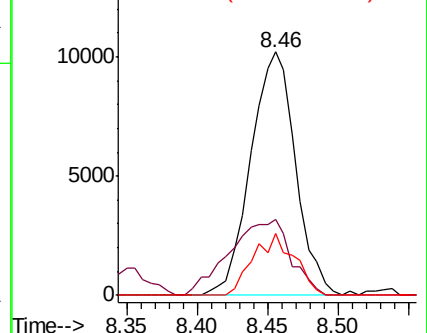
87 23.3 16.2 24.2



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: 21.817 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD067919.D

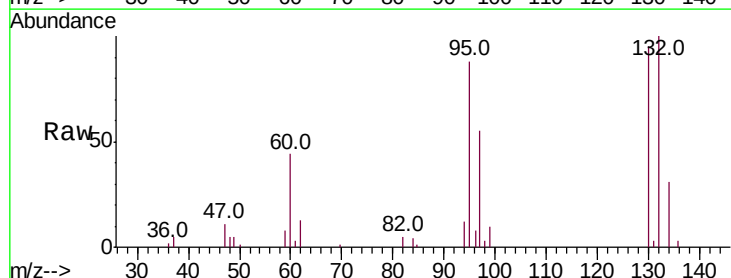
Acq: 09 Dec 2020 11:10

Tgt Ion:130 Resp: 48004

Ion Ratio Lower Upper

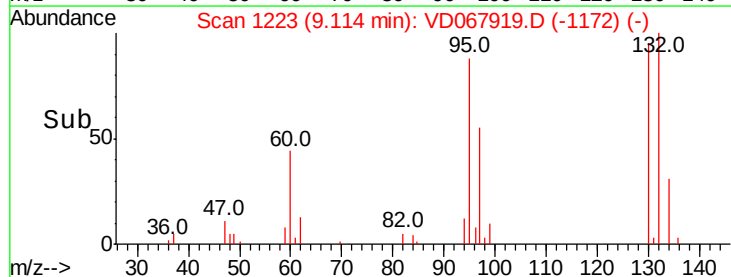
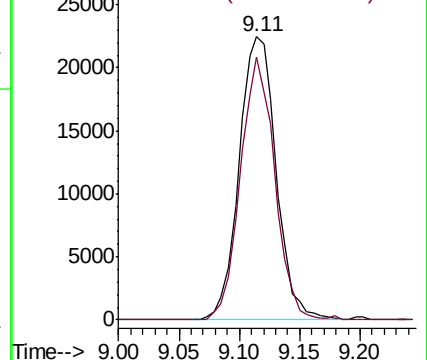
130 100

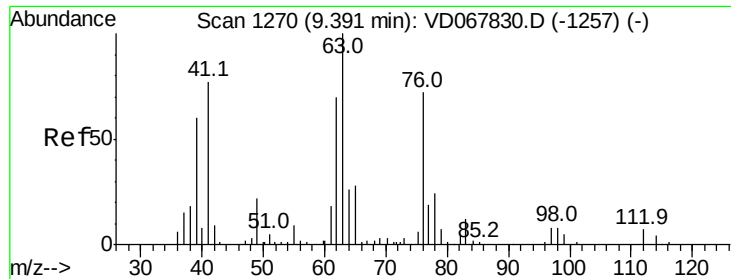
95 92.9 0.0 170.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 19.719 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD067919.D

Acq: 09 Dec 2020 11:10

Instrument :

MSVOA_D

ClientSampleId :

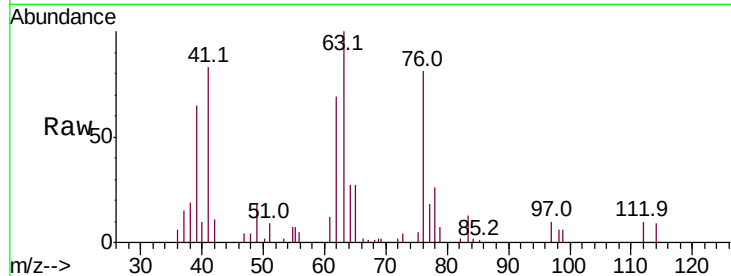
VD1209SBS01

Tot Ion: 63 Resp: 25901

Ion Ratio Lower Upper

63 100

65 27.1 22.8 34.2



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

15000

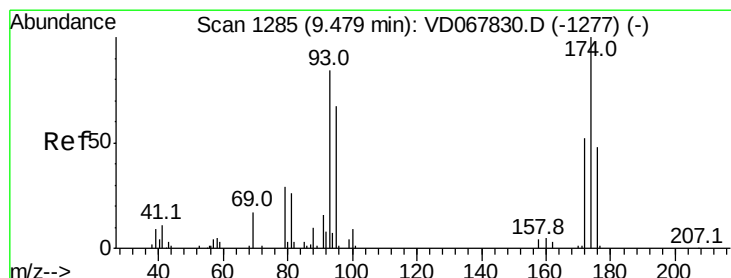
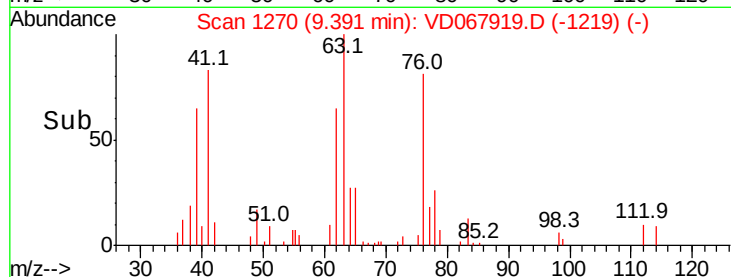
10000

5000

0

9.30 9.35 9.40 9.45 9.50

Time-->



#46

Dibromomethane

Concen: 21.709 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD067919.D

Acq: 09 Dec 2020 11:10

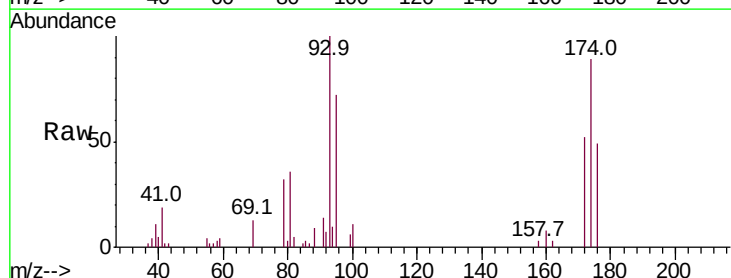
Tgt Ion: 93 Resp: 19826

Ion Ratio Lower Upper

93 100

95 74.6 64.2 96.4

174 110.4 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

15000

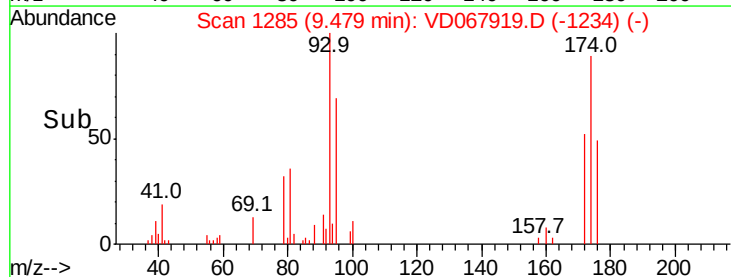
10000

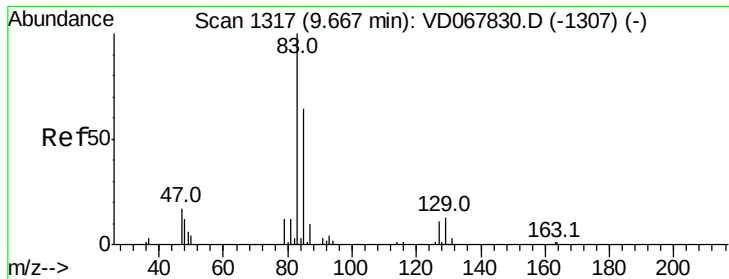
5000

0

9.40 9.45 9.50 9.55

Time-->





#47

Bromodichloromethane

Concen: 22.226 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD067919.D

Acq: 09 Dec 2020 11:10

Instrument :

MSVOA_D

ClientSampleId :

VD1209SBS01

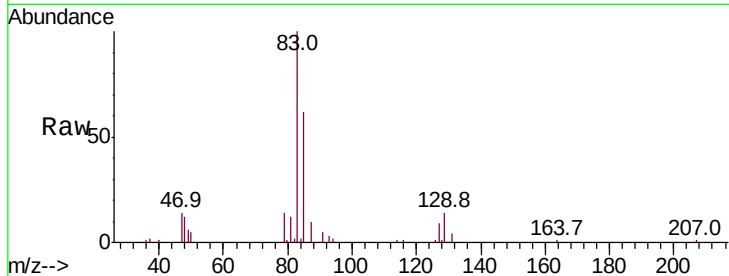
Tot Ion: 83 Resp: 57867

Ion Ratio Lower Upper

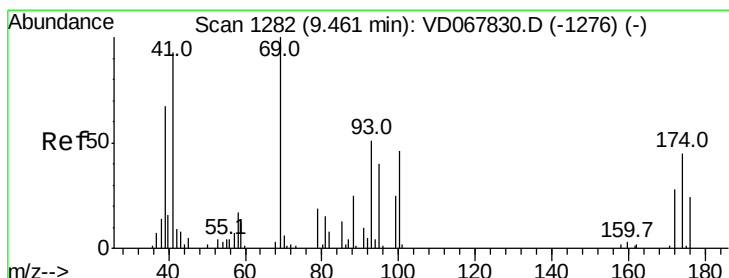
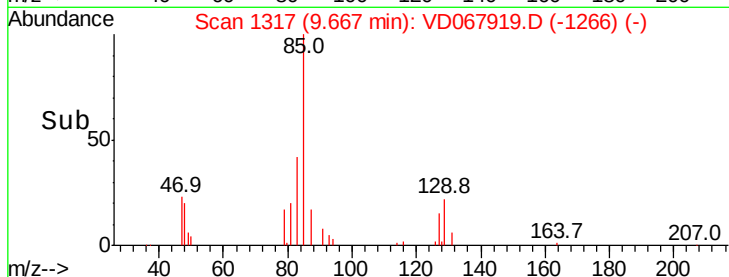
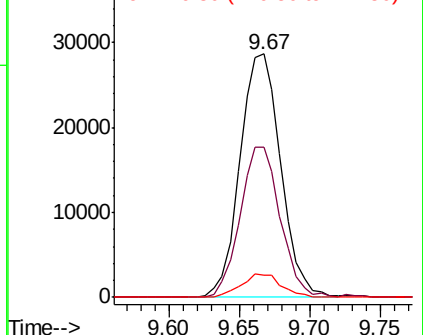
83 100

85 61.5 51.4 77.0

127 9.1 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): V



#48

Methyl methacrylate

Concen: 18.358 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD067919.D

Acq: 09 Dec 2020 11:10

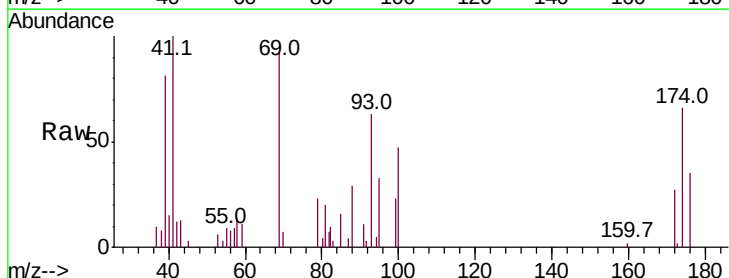
Tgt Ion: 41 Resp: 11562

Ion Ratio Lower Upper

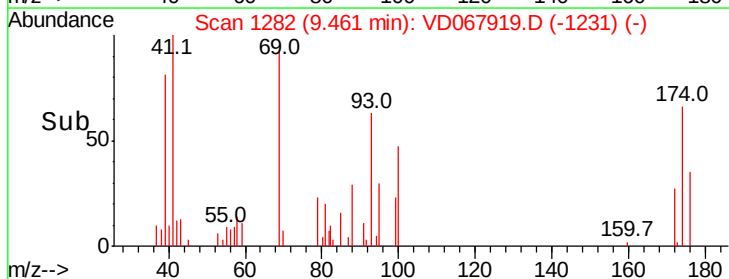
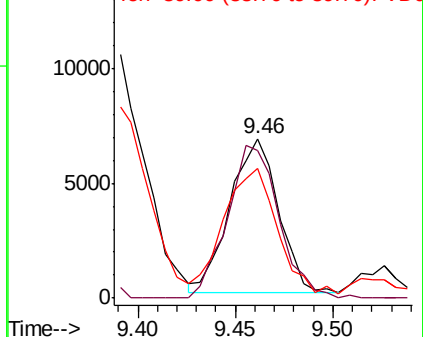
41 100

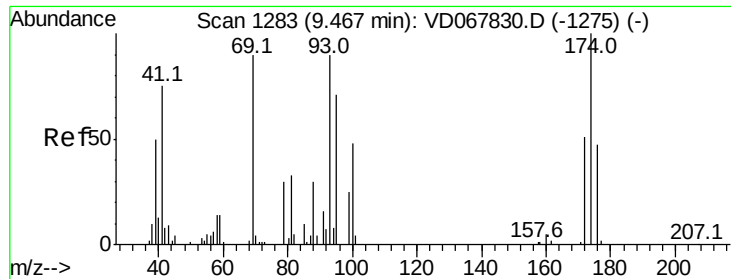
69 105.9 87.6 131.4

39 90.0 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: 391.269 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.01 min

Lab File: VD067919.D

Acq: 09 Dec 2020 11:10

Instrument :

MSVOA_D

ClientSampleId :

VD1209SBS01

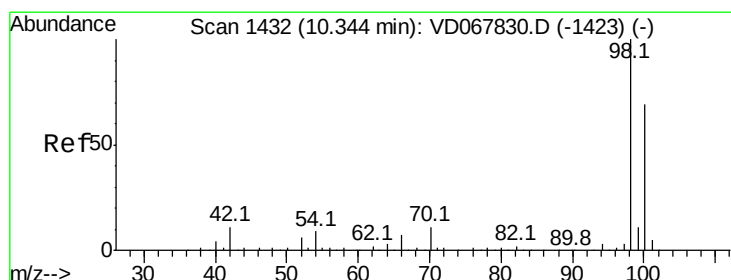
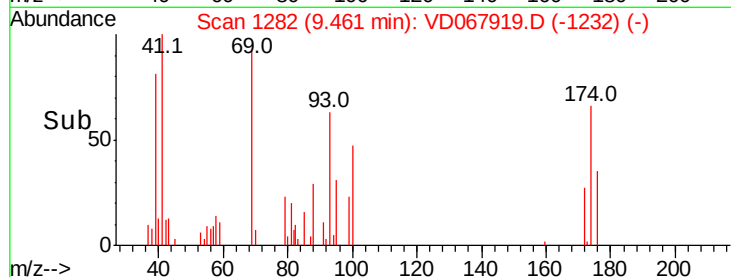
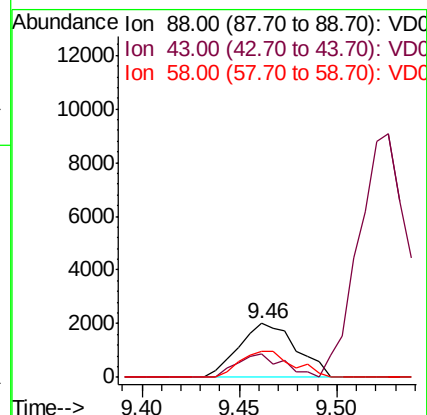
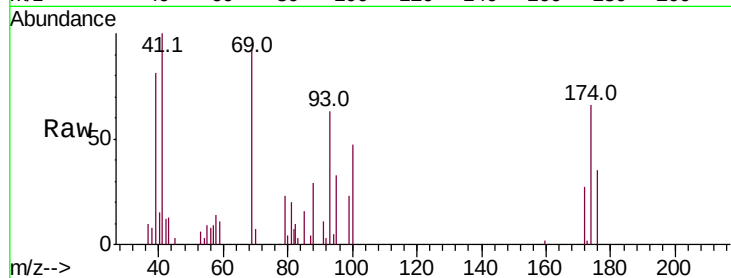
Tot Ion: 88 Resp: 4083

Ion Ratio Lower Upper

88 100

43 35.1 30.1 45.1

58 44.1 42.4 63.6



#50

Toluene-d8

Concen: 49.896 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067919.D

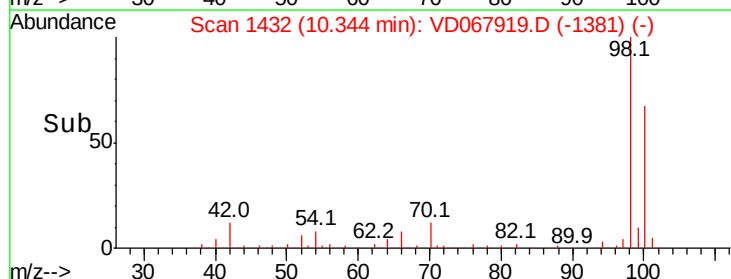
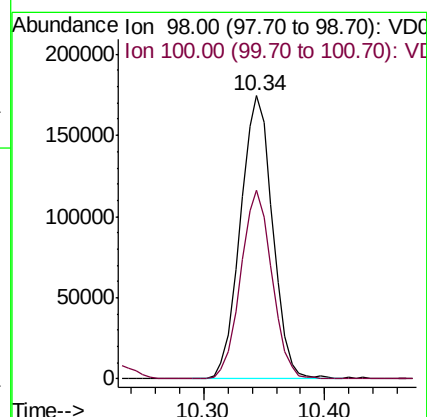
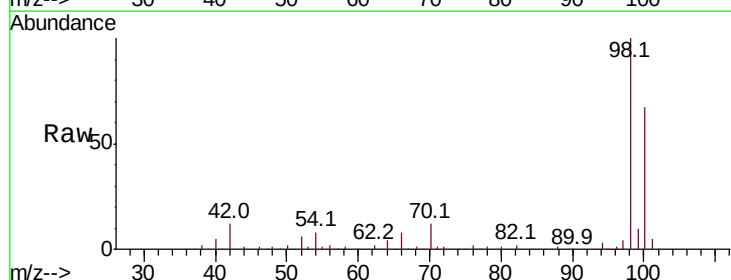
Acq: 09 Dec 2020 11:10

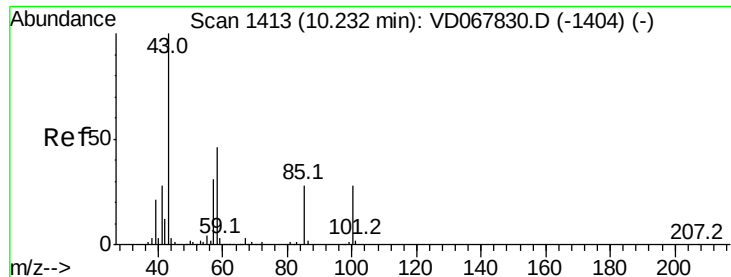
Tgt Ion: 98 Resp: 324717

Ion Ratio Lower Upper

98 100

100 65.0 52.9 79.3

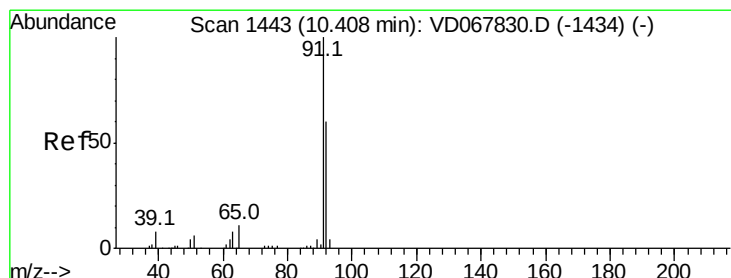
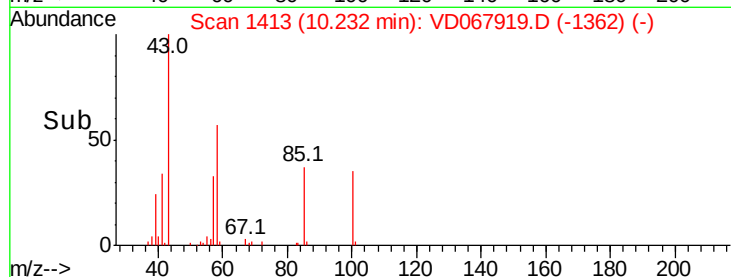
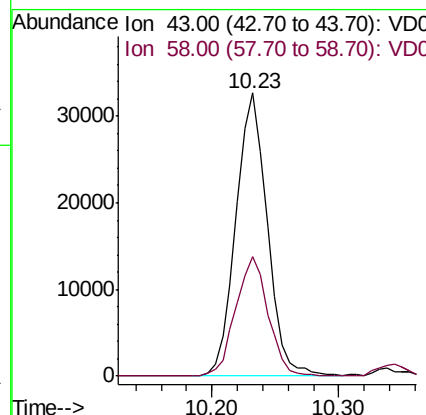
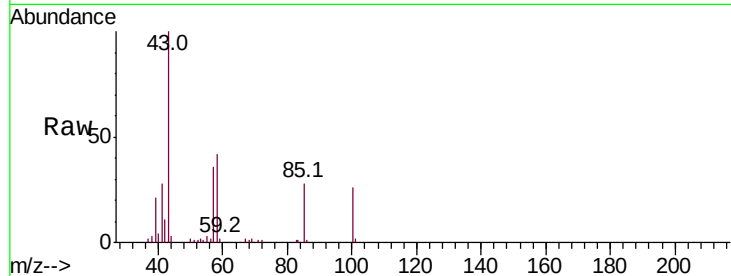




#51
 4-Methyl-2-Pentanone
 Concen: 95.386 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. 0.00 min
 Lab File: VD067919.D
 Acq: 09 Dec 2020 11:10

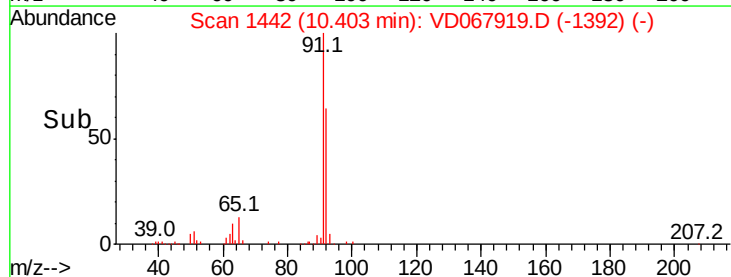
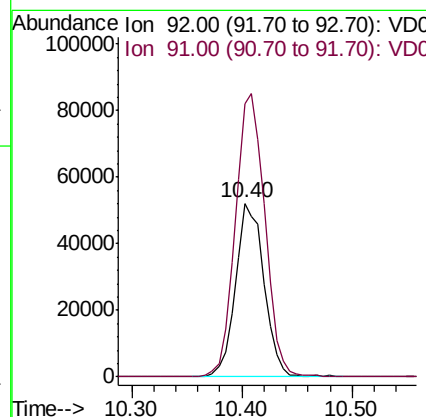
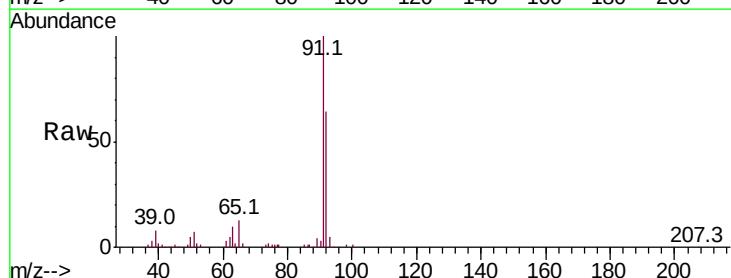
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1209SBS01

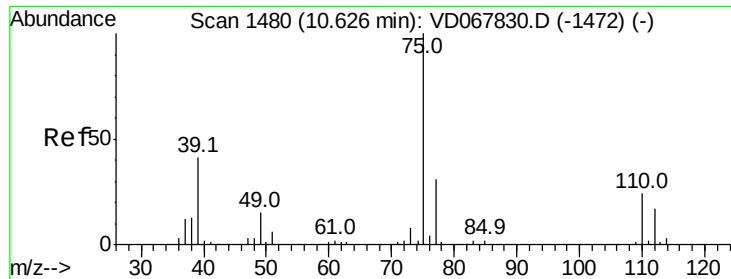
Tot Ion: 43 Resp: 55993
 Ion Ratio Lower Upper
 43 100
 58 43.4 35.7 53.5



#52
 Toluene
 Concen: 21.174 ug/l
 RT: 10.40 min Scan# 1442
 Delta R.T. -0.01 min
 Lab File: VD067919.D
 Acq: 09 Dec 2020 11:10

Tgt Ion: 92 Resp: 94740
 Ion Ratio Lower Upper
 92 100
 91 169.4 134.2 201.2





#53

t-1,3-Dichloropropene

Concen: 20.783 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD067919.D

Acq: 09 Dec 2020 11:10

Instrument :

MSVOA_D

ClientSampleId :

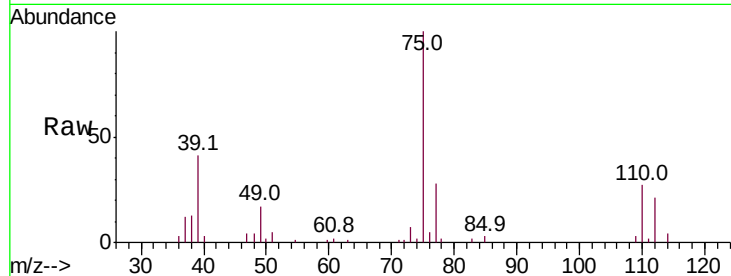
VD1209SBS01

Tot Ion: 75 Resp: 46703

Ion Ratio Lower Upper

75 100

77 28.4 25.0 37.4



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

10.63

25000

20000

15000

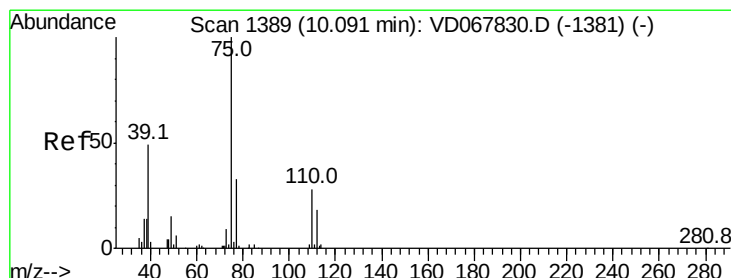
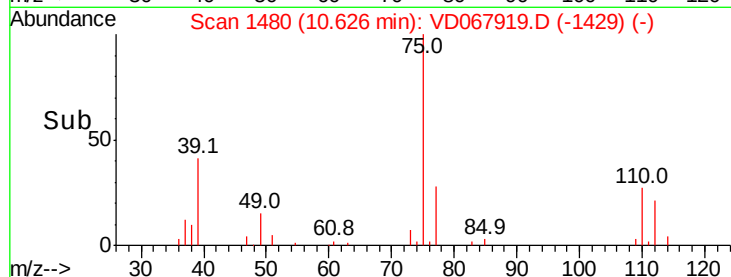
10000

5000

0

Time-->

10.55 10.60 10.65 10.70



#54

cis-1,3-Dichloropropene

Concen: 21.337 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. 0.01 min

Lab File: VD067919.D

Acq: 09 Dec 2020 11:10

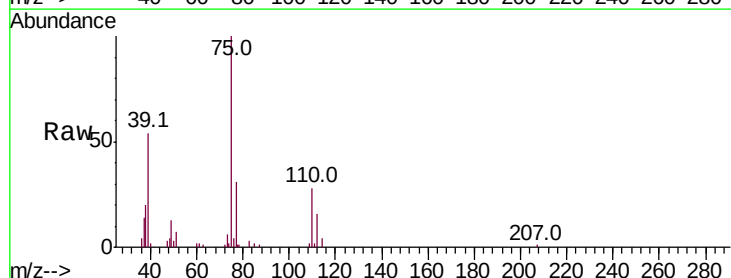
Tgt Ion: 75 Resp: 52155

Ion Ratio Lower Upper

75 100

77 30.8 26.2 39.2

39 54.4 39.0 58.4



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC

10.10

30000

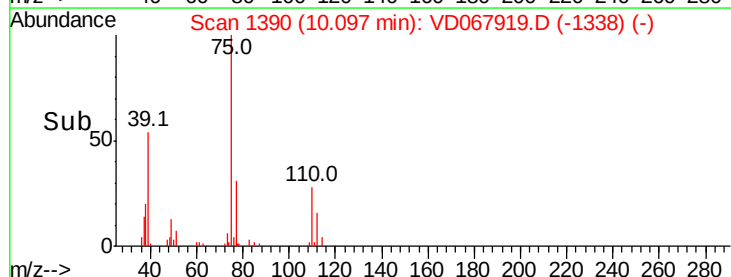
20000

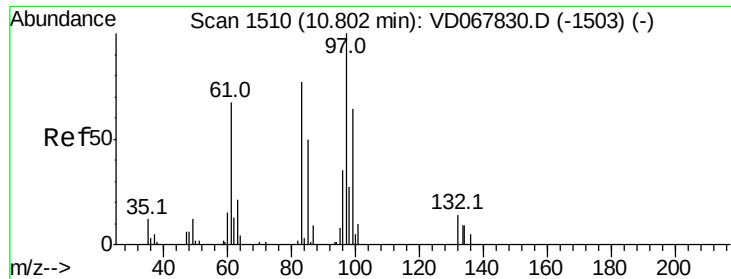
10000

0

Time-->

10.00 10.10

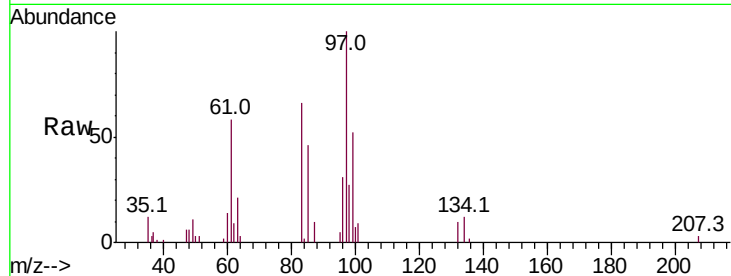




#55
 1,1,2-Trichloroethane
 Concen: 20.128 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD067919.D
 Acq: 09 Dec 2020 11:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1209SBS01

Tot Ion:	97	Resp:	25156
Ion	Ratio	Lower	Upper
97	100		
83	65.6	61.9	92.9
85	46.1	40.2	60.4
99	52.4	51.0	76.6



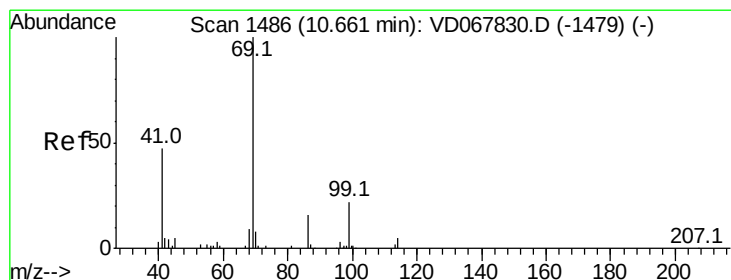
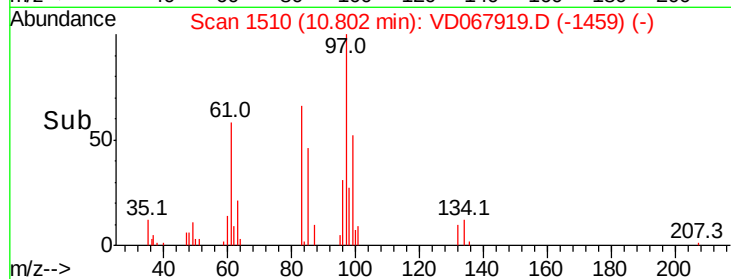
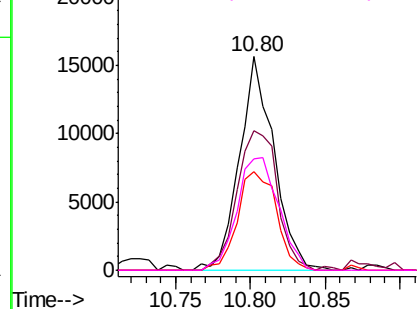
Abundance

Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

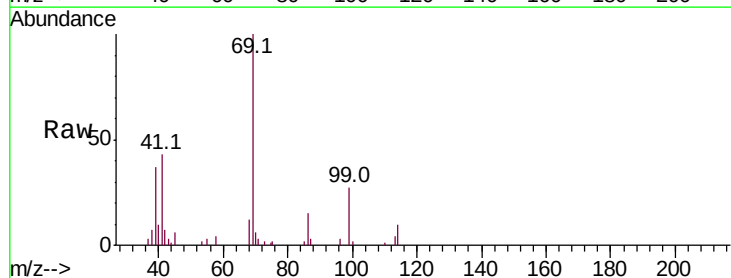
Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56
 Ethyl methacrylate
 Concen: 18.696 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD067919.D
 Acq: 09 Dec 2020 11:10

Tgt Ion:	69	Resp:	23774
Ion	Ratio	Lower	Upper
69	100		
41	54.8	42.8	64.2
39	39.8	30.5	45.7

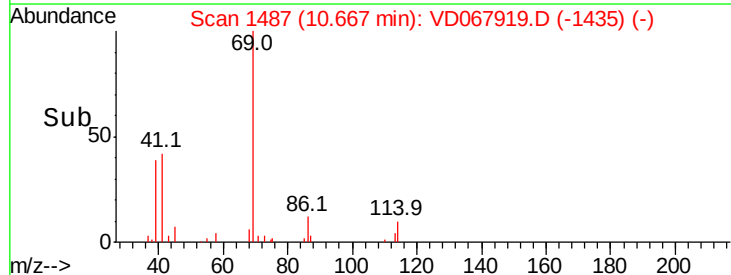
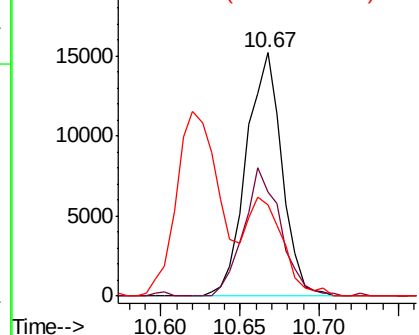


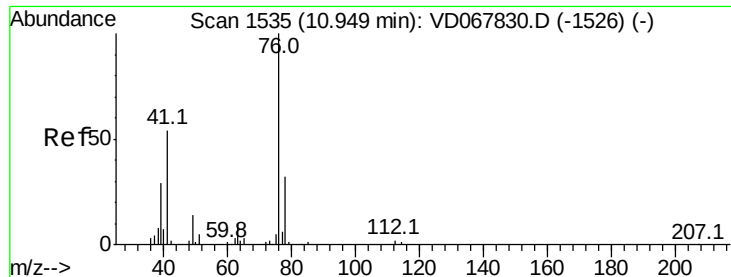
Abundance

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: 20.050 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD067919.D

Acq: 09 Dec 2020 11:10

Instrument :

MSVOA_D

ClientSampleId :

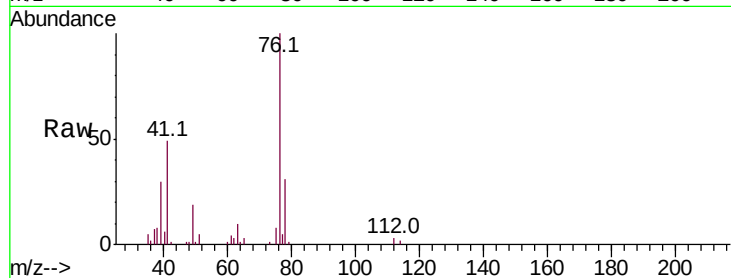
VD1209SBS01

Tot Ion: 76 Resp: 39694

Ion Ratio Lower Upper

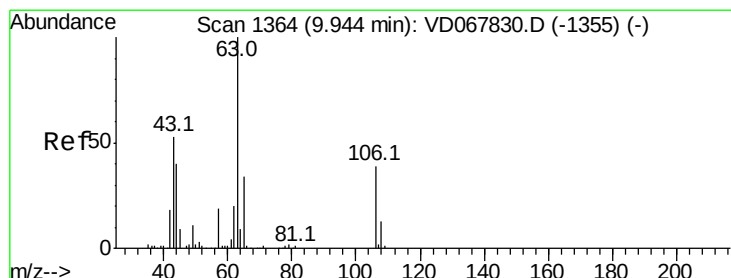
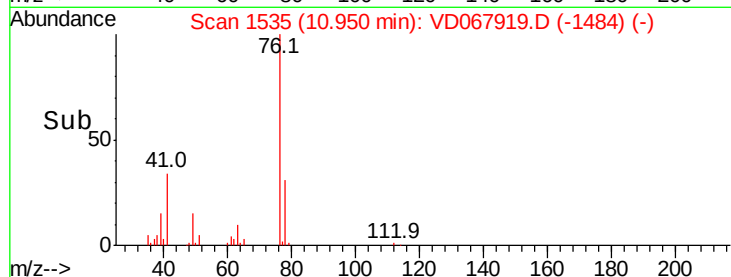
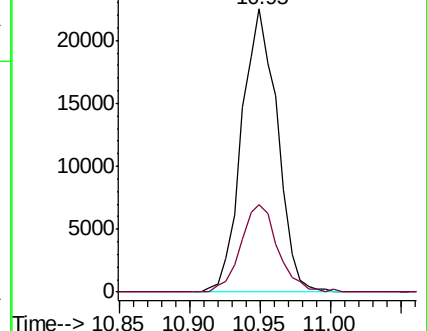
76 100

78 32.1 26.6 39.8



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 85.280 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD067919.D

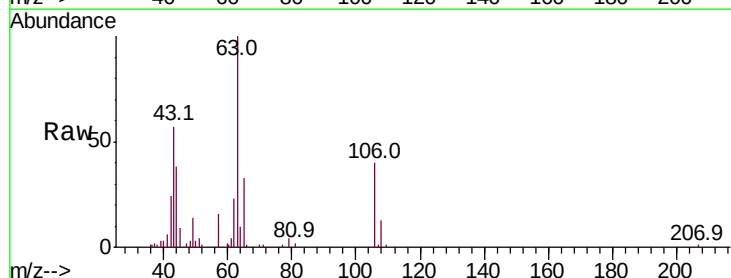
Acq: 09 Dec 2020 11:10

Tgt Ion: 63 Resp: 49345

Ion Ratio Lower Upper

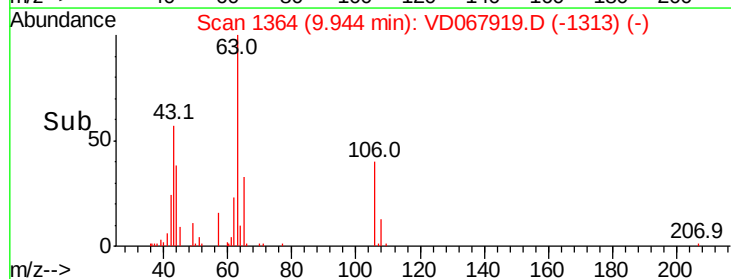
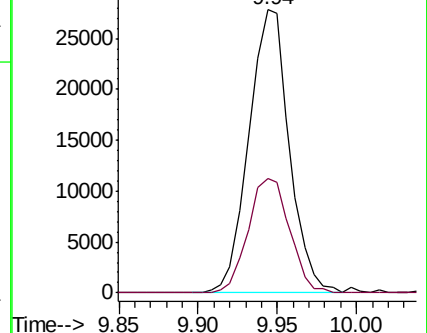
63 100

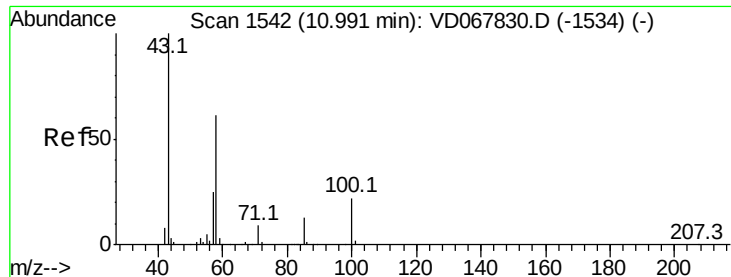
106 41.5 32.0 48.0



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): VDC

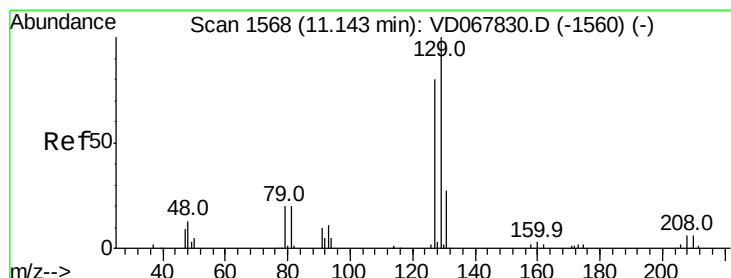
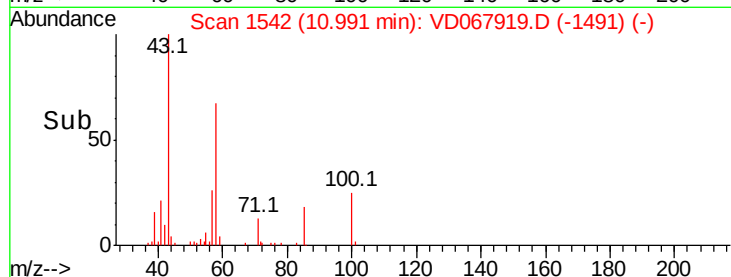
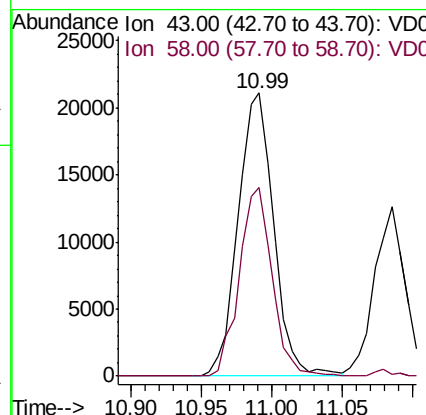
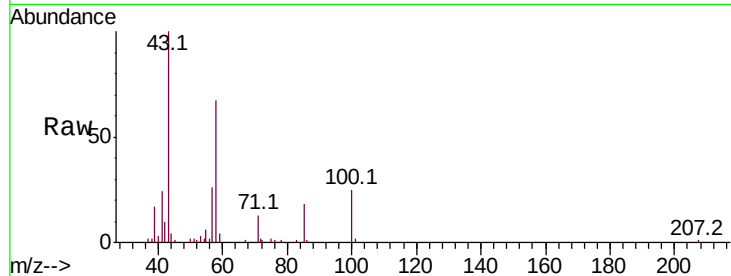




#59
2-Hexanone
Concen: 90.038 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD067919.D
Acq: 09 Dec 2020 11:10

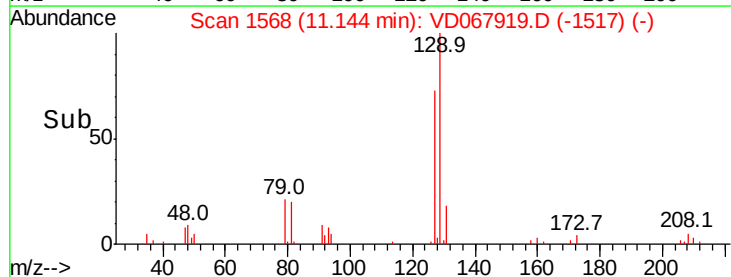
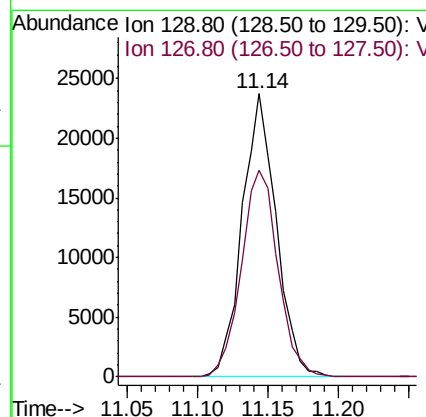
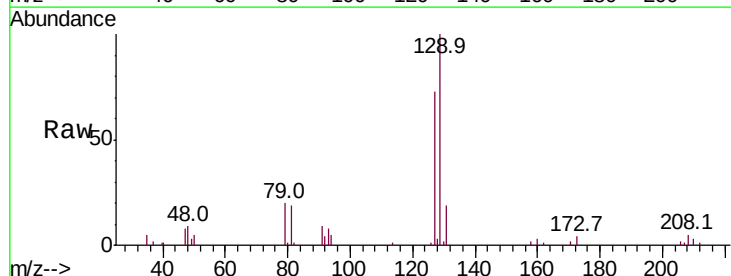
Instrument :
MSVOA_D
ClientSampleId :
VD1209SBS01

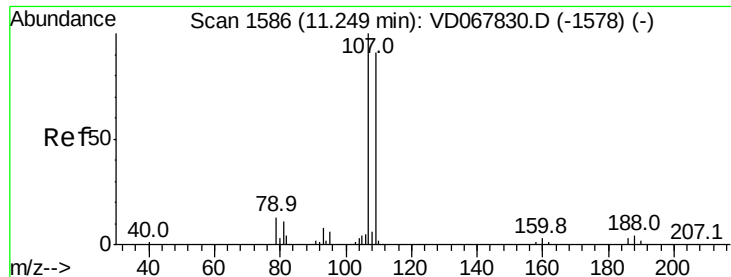
Tot Ion: 43 Resp: 37259
Ion Ratio Lower Upper
43 100
58 61.5 29.9 89.7



#60
Dibromochloromethane
Concen: 21.294 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD067919.D
Acq: 09 Dec 2020 11:10

Tgt Ion: 129 Resp: 40117
Ion Ratio Lower Upper
129 100
127 78.5 39.2 117.6

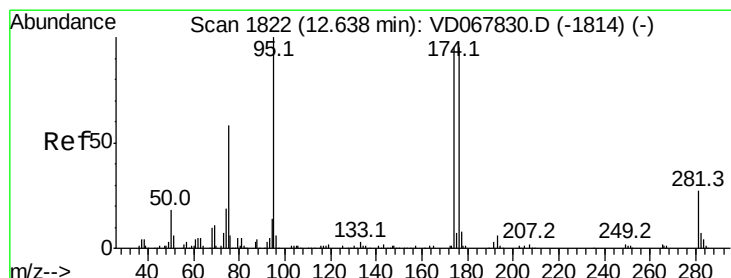
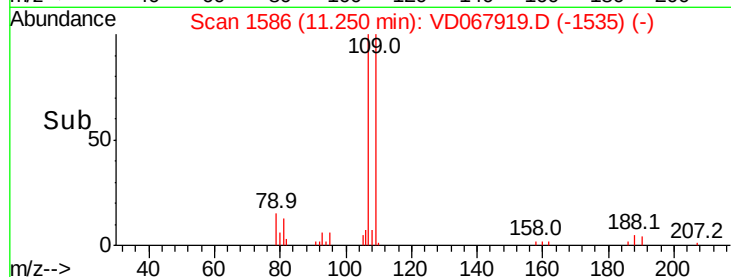
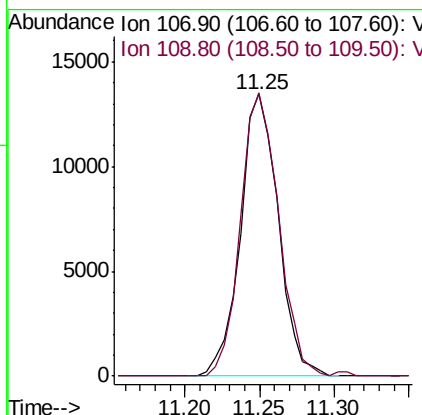
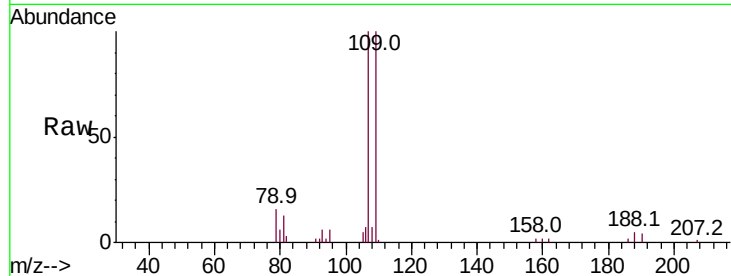




#61
 1,2-Dibromoethane
 Concen: 19.148 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD067919.D
 Acq: 09 Dec 2020 11:10

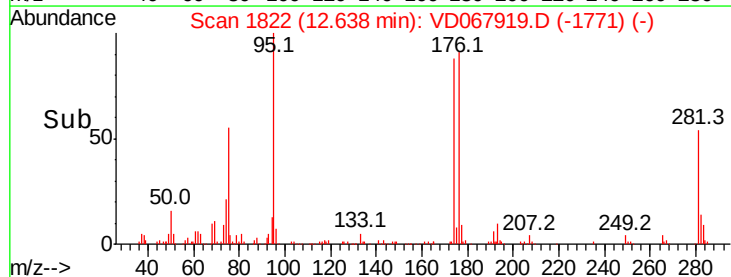
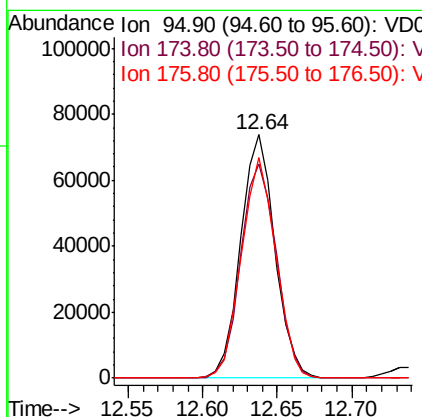
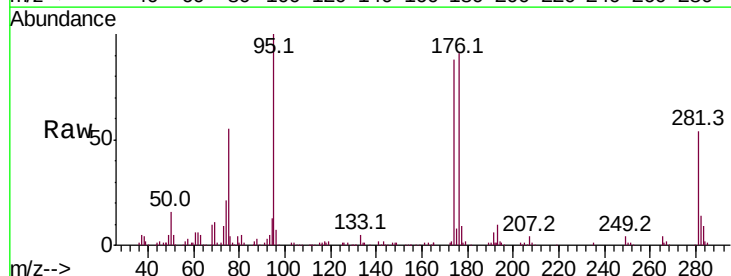
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1209SBS01

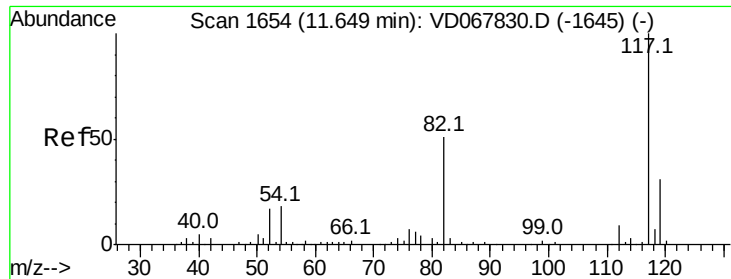
Tot Ion:107 Resp: 23534
 Ion Ratio Lower Upper
 107 100
 109 101.6 75.9 113.9



#62
 4-Bromofluorobenzene
 Concen: 52.240 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067919.D
 Acq: 09 Dec 2020 11:10

Tgt Ion: 95 Resp: 117536
 Ion Ratio Lower Upper
 95 100
 174 91.5 0.0 186.0
 176 90.8 0.0 184.2

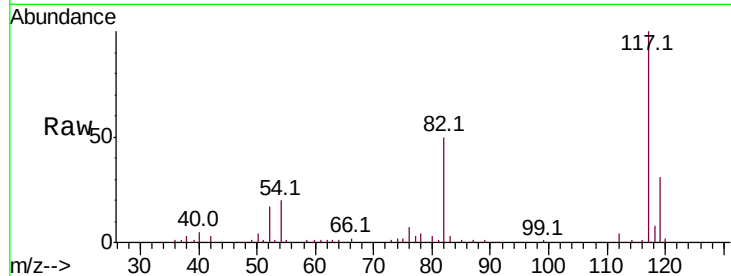




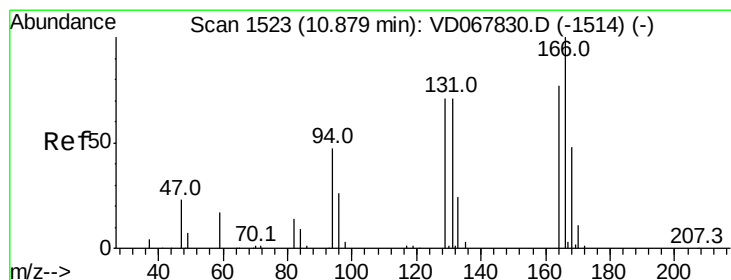
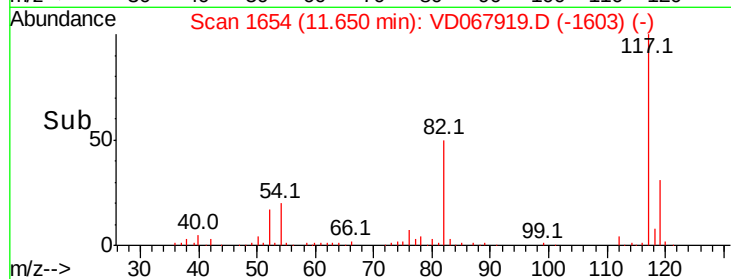
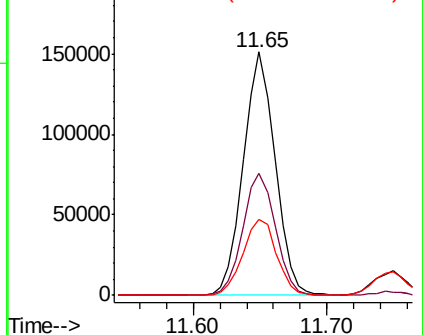
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067919.D
Acq: 09 Dec 2020 11:10

Instrument :
MSVOA_D
ClientSampleId :
VD1209SBS01

Tot Ion:117 Resp: 249112
Ion Ratio Lower Upper
117 100
82 50.3 40.6 60.8
119 31.0 25.1 37.7

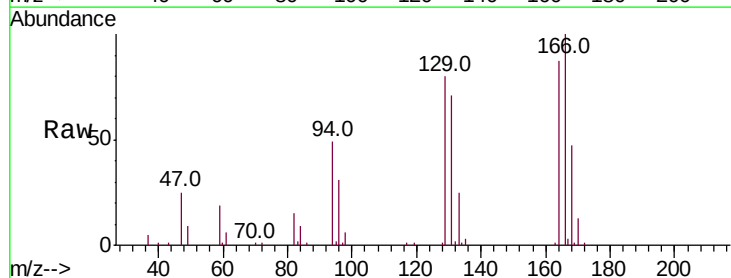


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

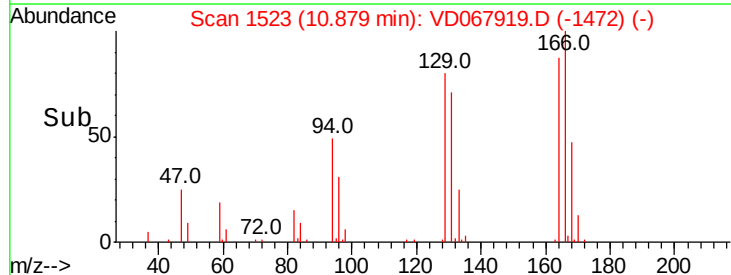
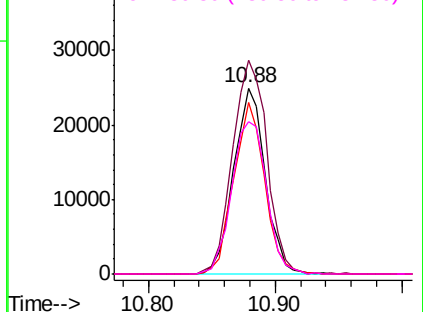


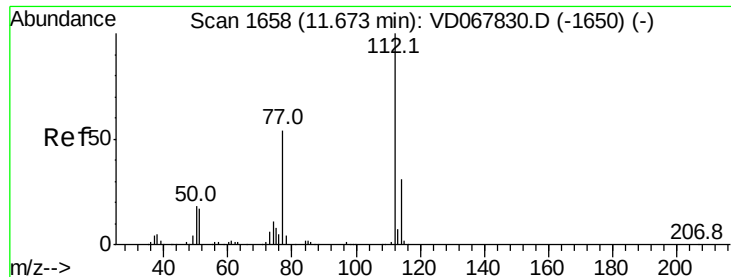
#64
Tetrachloroethene
Concen: 21.090 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067919.D
Acq: 09 Dec 2020 11:10

Tgt Ion:164 Resp: 42855
Ion Ratio Lower Upper
164 100
166 114.7 103.8 155.6
129 92.3 73.3 109.9
131 81.9 74.1 111.1



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 21.510 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VD067919.D

Acq: 09 Dec 2020 11:10

Instrument :

MSVOA_D

ClientSampleId :

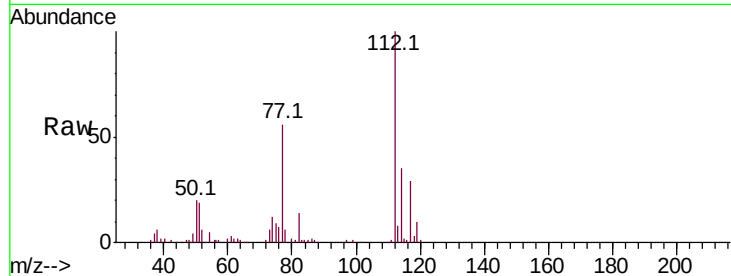
VD1209SBS01

Tot Ion:112 Resp: 110562

Ion Ratio Lower Upper

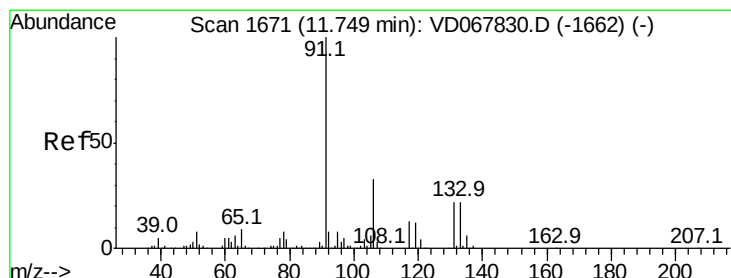
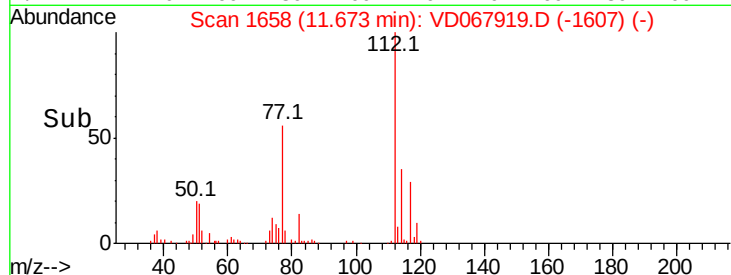
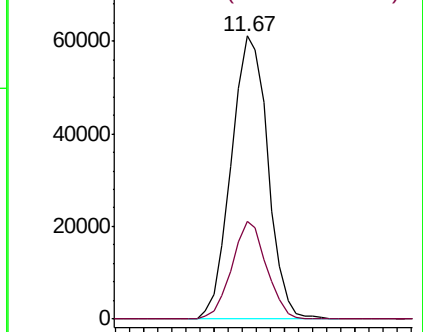
112 100

114 34.7 25.0 37.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 21.692 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD067919.D

Acq: 09 Dec 2020 11:10

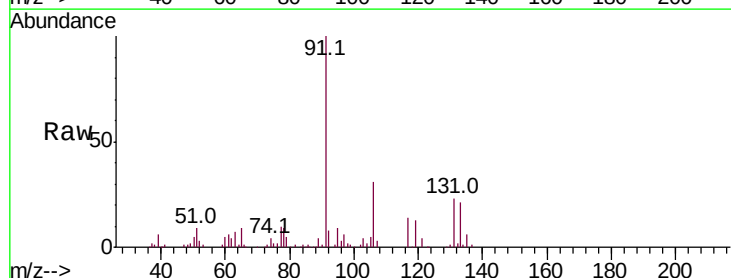
Tgt Ion:131 Resp: 45477

Ion Ratio Lower Upper

131 100

133 96.4 49.9 149.7

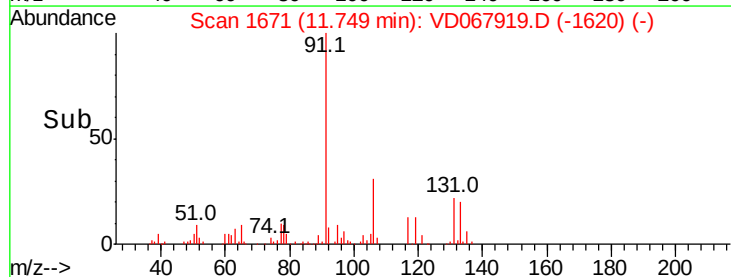
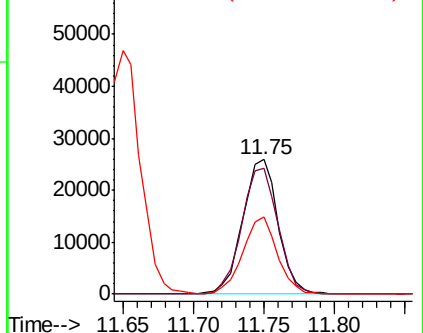
119 56.2 29.6 88.9

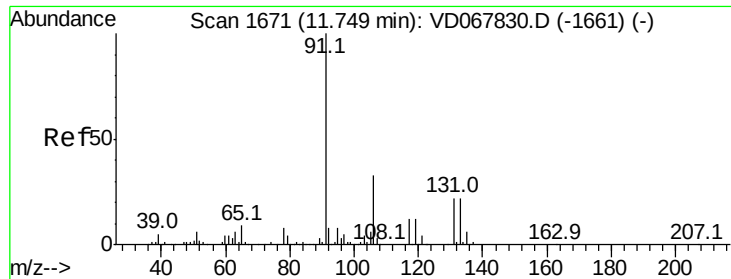


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

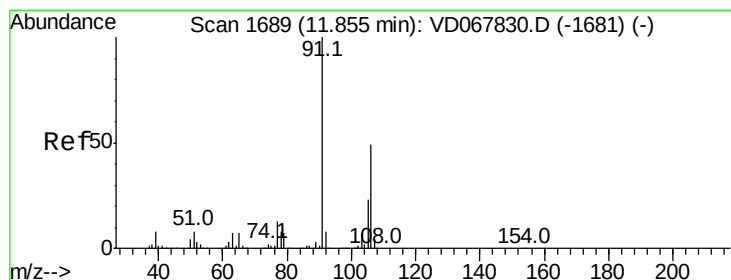
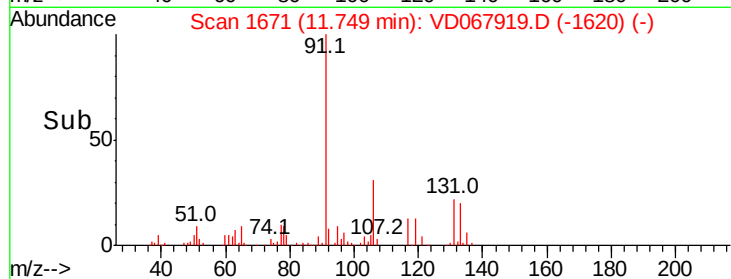
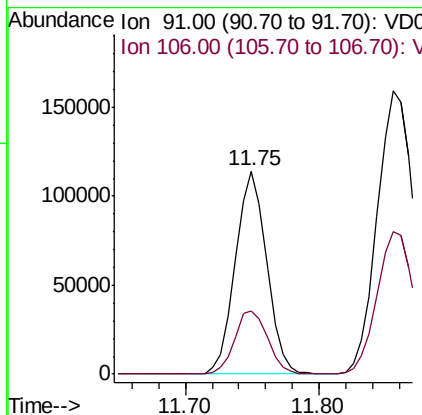
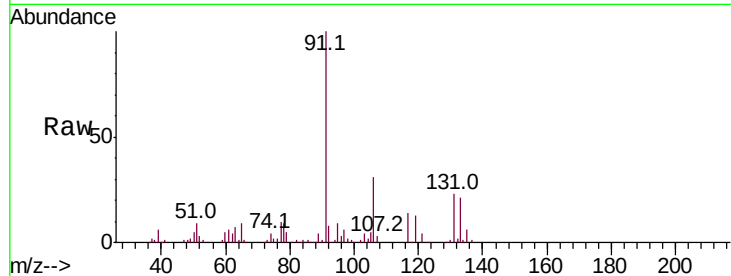




#67
Ethyl Benzene
Concen: 21.302 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067919.D
Acq: 09 Dec 2020 11:10

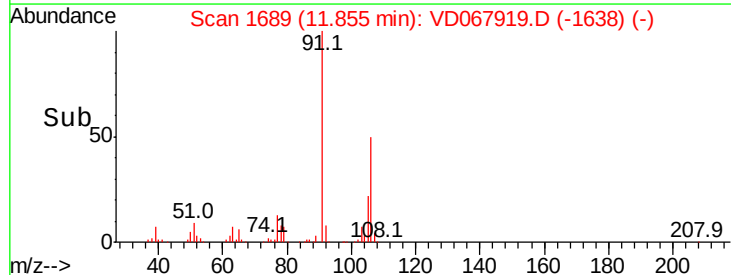
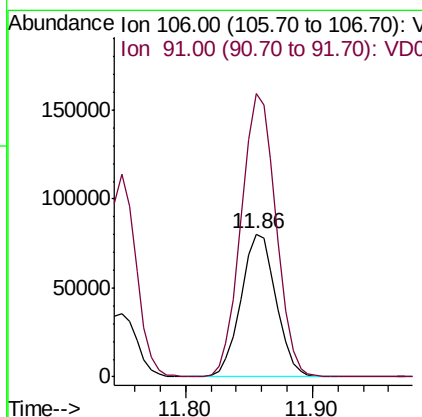
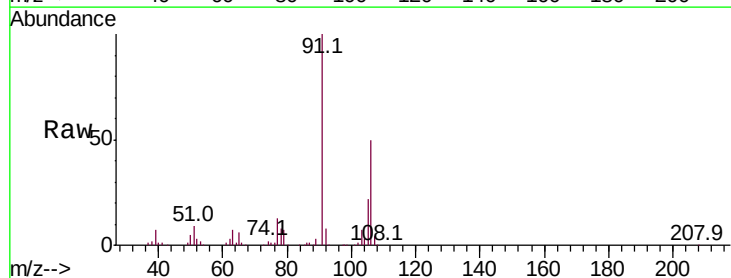
Instrument :
MSVOA_D
ClientSampleId :
VD1209SBS01

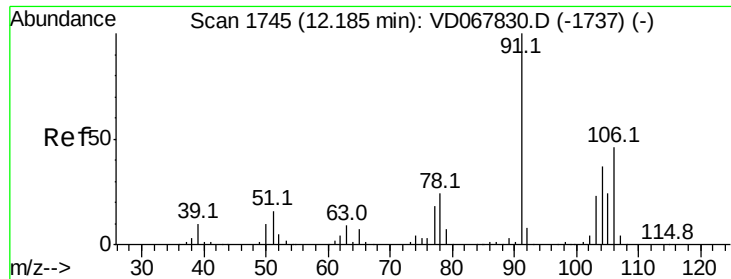
Tot Ion: 91 Resp: 186524
Ion Ratio Lower Upper
91 100
106 31.4 26.2 39.2



#68
m/p-Xylenes
Concen: 44.640 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD067919.D
Acq: 09 Dec 2020 11:10

Tgt Ion: 106 Resp: 154128
Ion Ratio Lower Upper
106 100
91 197.3 162.8 244.2

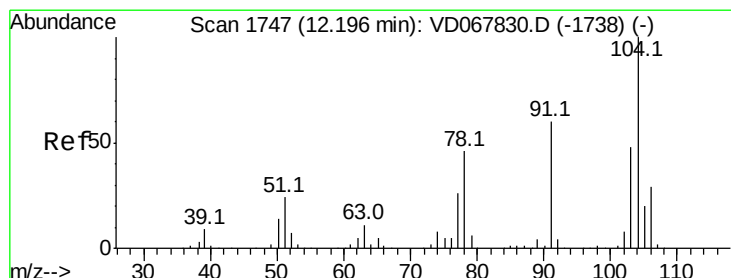
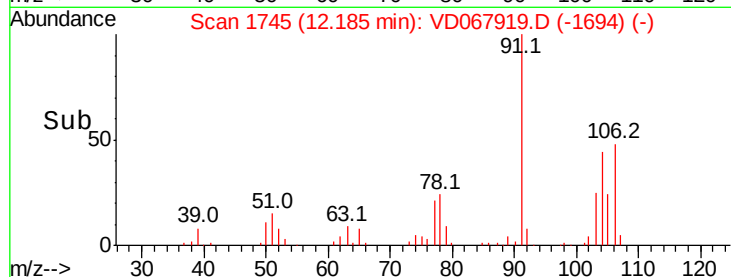
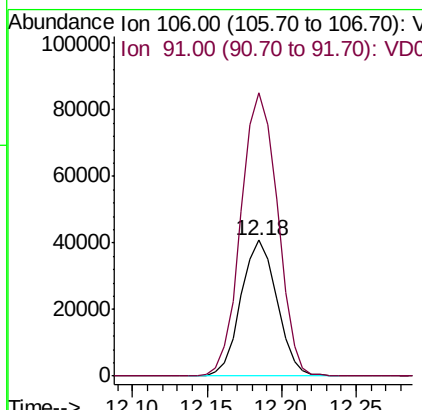
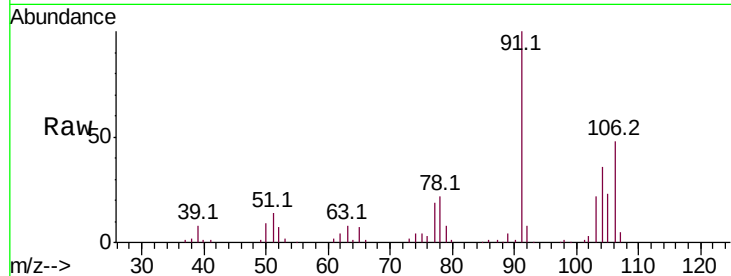




#69
o-Xylene
Concen: 22.390 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067919.D
Acq: 09 Dec 2020 11:10

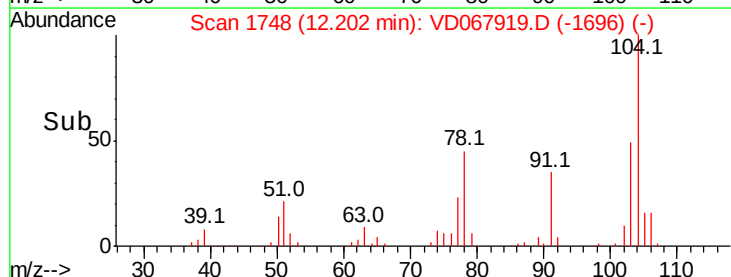
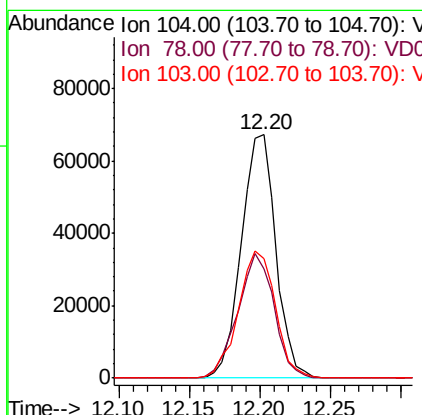
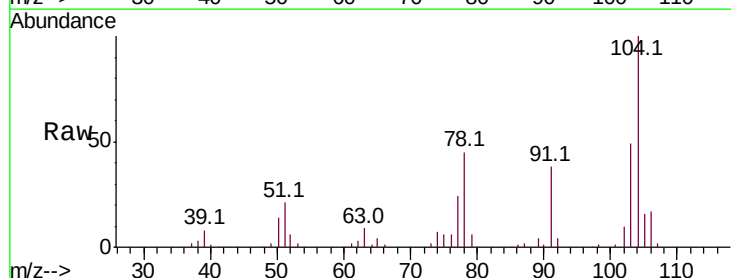
Instrument :
MSVOA_D
ClientSampleId :
VD1209SBS01

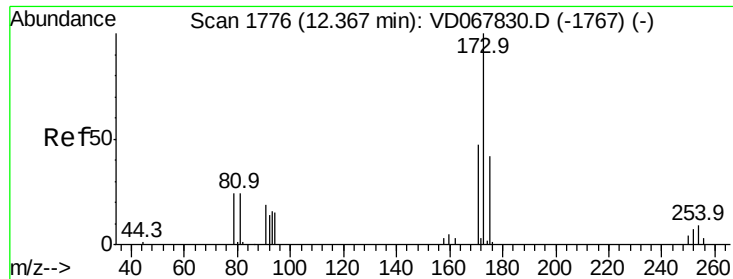
Tot Ion:106 Resp: 68629
Ion Ratio Lower Upper
106 100
91 211.2 107.5 322.5



#70
Styrene
Concen: 21.657 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD067919.D
Acq: 09 Dec 2020 11:10

Tgt Ion:104 Resp: 115431
Ion Ratio Lower Upper
104 100
78 53.7 41.6 62.4
103 56.1 43.2 64.8

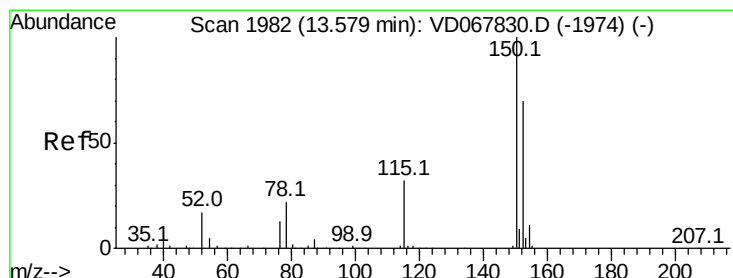
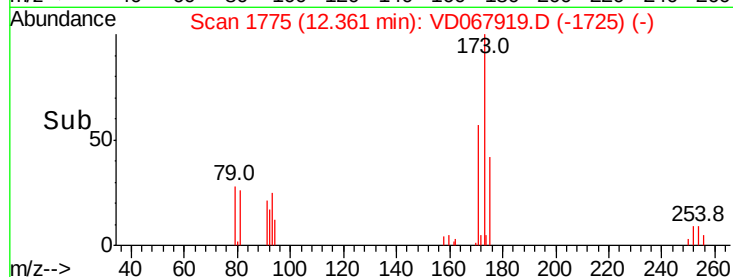
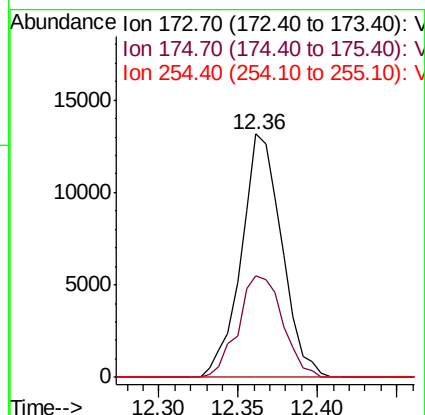
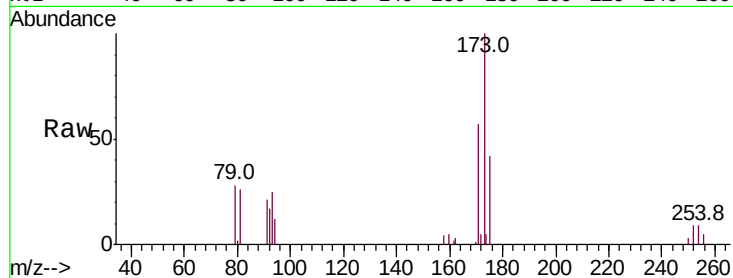




#71
Bromoform
Concen: 21.070 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. -0.01 min
Lab File: VD067919.D
Acq: 09 Dec 2020 11:10

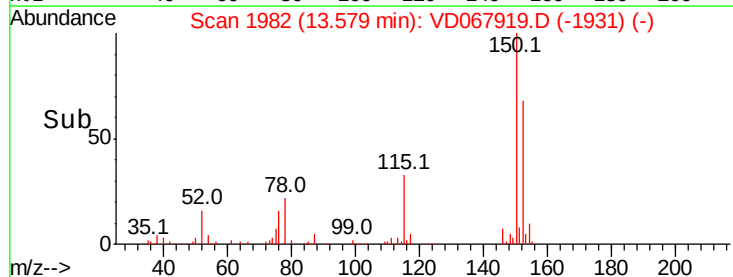
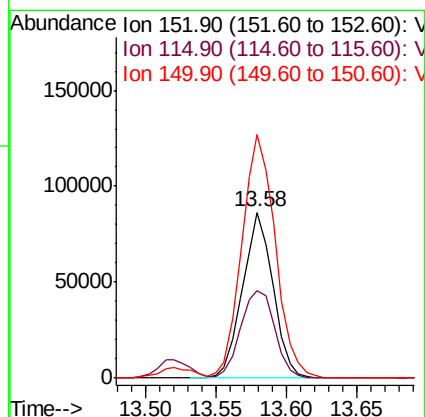
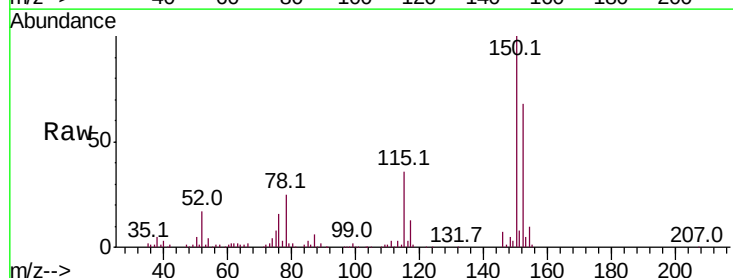
Instrument :
MSVOA_D
ClientSampleId :
VD1209SBS01

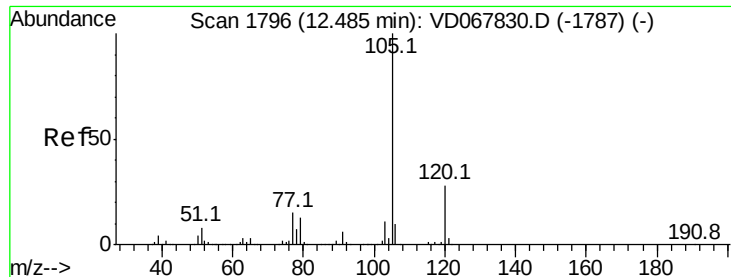
Tot Ion:173 Resp: 23382
Ion Ratio Lower Upper
173 100
175 45.6 23.4 70.3
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD067919.D
Acq: 09 Dec 2020 11:10

Tgt Ion:152 Resp: 130705
Ion Ratio Lower Upper
152 100
115 59.4 29.1 87.4
150 161.5 0.0 339.0





#73

Isopropylbenzene

Concen: 21.964 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD067919.D

Acq: 09 Dec 2020 11:10

Instrument :

MSVOA_D

ClientSampleId :

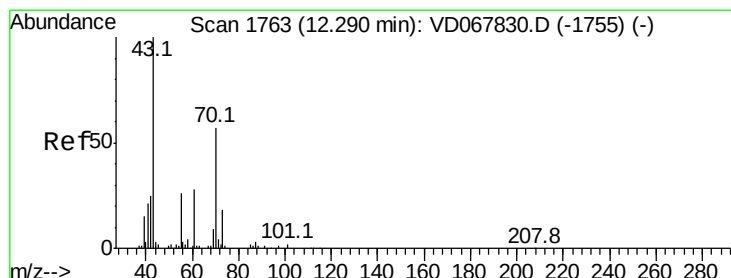
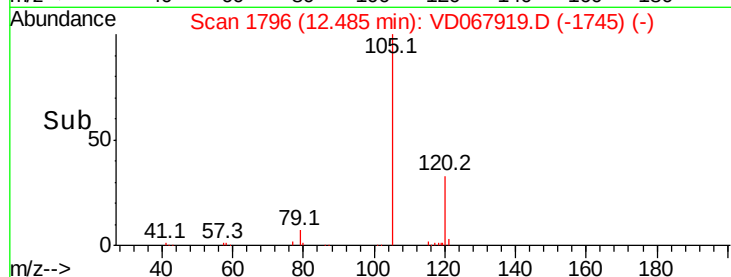
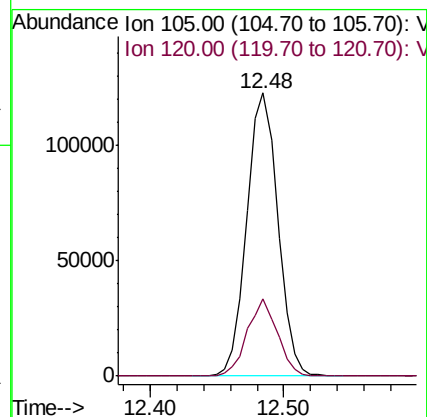
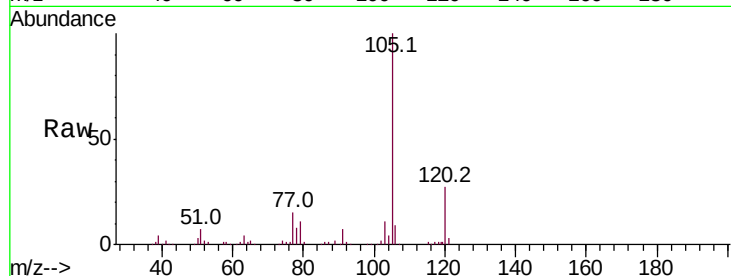
VD1209SBS01

Tot Ion:105 Resp: 197425

Ion Ratio Lower Upper

105 100

120 26.5 13.9 41.6



#74

N-ethyl acetate

Concen: 19.155 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD067919.D

Acq: 09 Dec 2020 11:10

Tgt Ion: 43 Resp: 21297

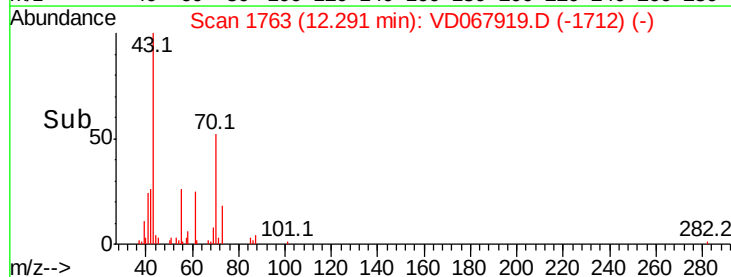
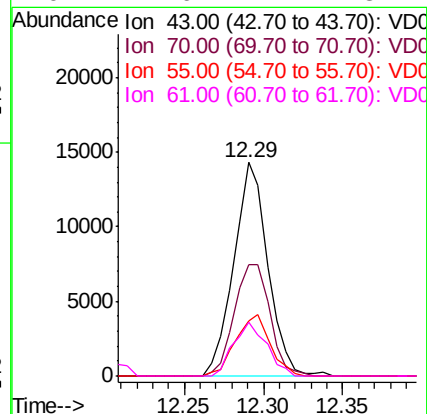
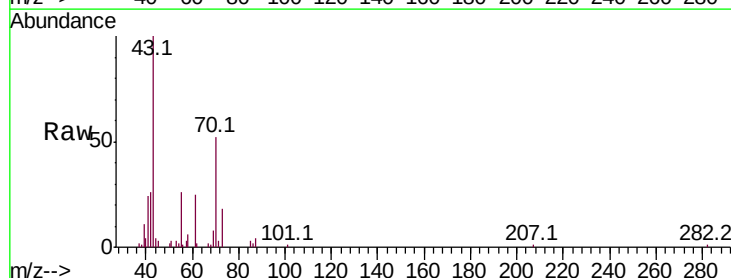
Ion Ratio Lower Upper

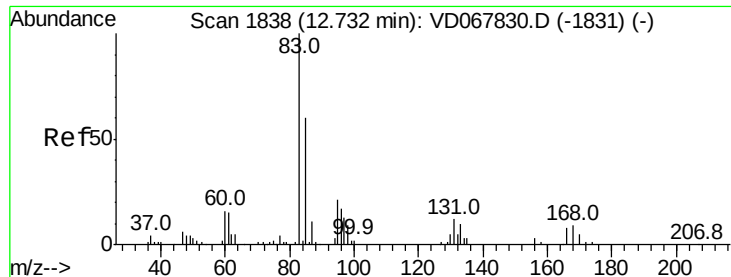
43 100

70 54.7 44.6 66.8

55 29.2 22.2 33.2

61 24.6 22.7 34.1





#75

1,1,2,2-Tetrachloroethane

Concen: 19.262 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VD067919.D

Acq: 09 Dec 2020 11:10

Instrument :

MSVOA_D

ClientSampleId :

VD1209SBS01

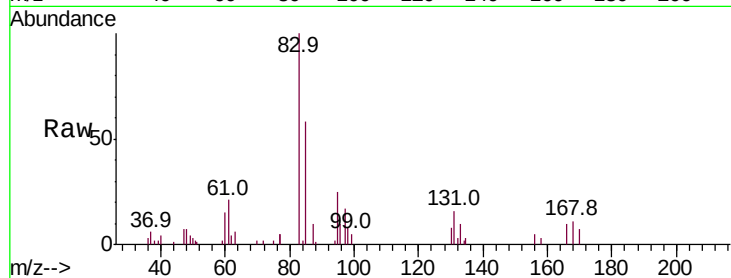
Tot Ion: 83 Resp: 22858

Ion Ratio Lower Upper

83 100

131 16.1 8.0 24.0

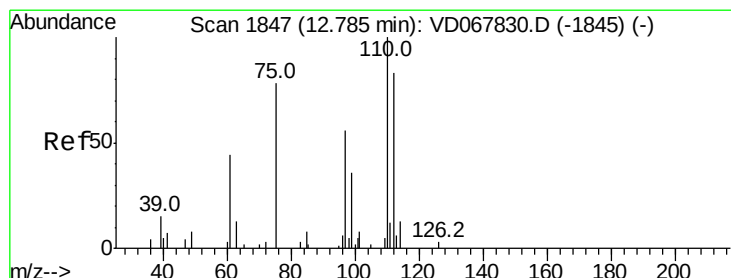
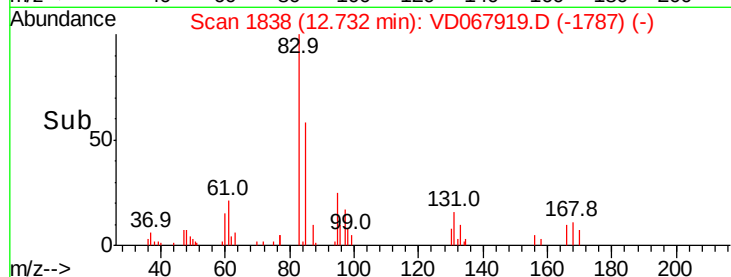
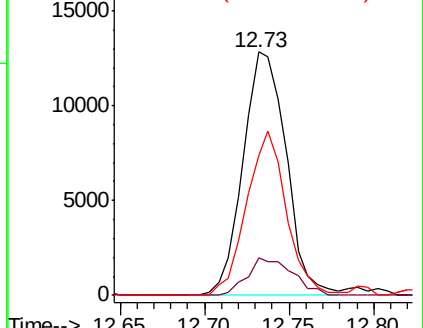
85 62.6 31.7 95.1



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: 36.003 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. 0.00 min

Lab File: VD067919.D

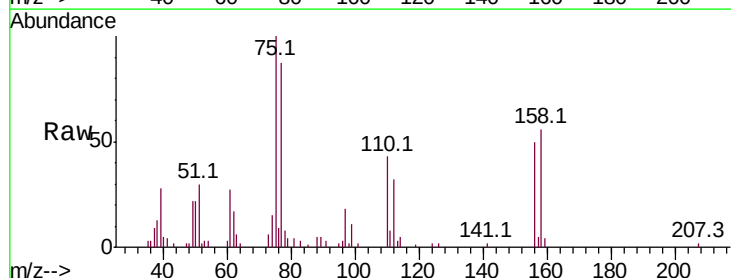
Acq: 09 Dec 2020 11:10

Tgt Ion: 75 Resp: 34269

Ion Ratio Lower Upper

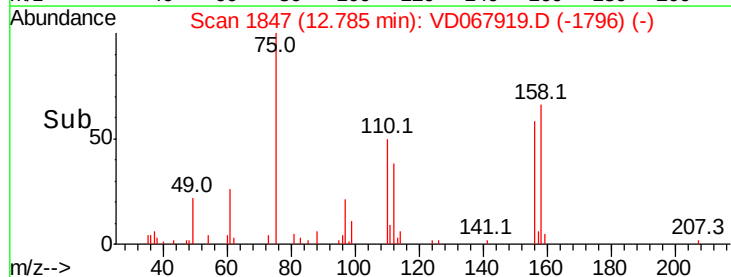
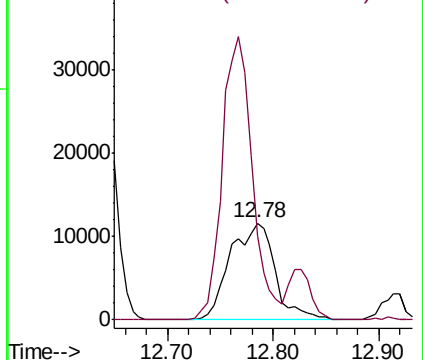
75 100

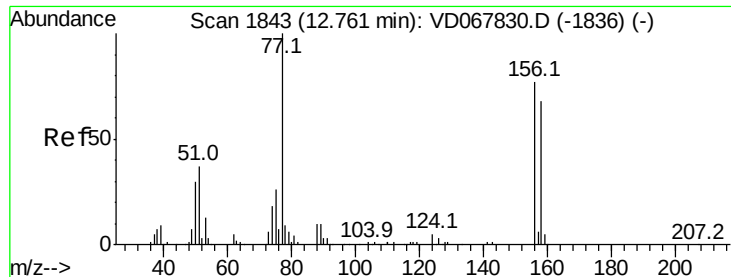
77 196.8 175.9 527.7



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 21.531 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD067919.D

Acq: 09 Dec 2020 11:10

Instrument :

MSVOA_D

ClientSampleId :

VD1209SBS01

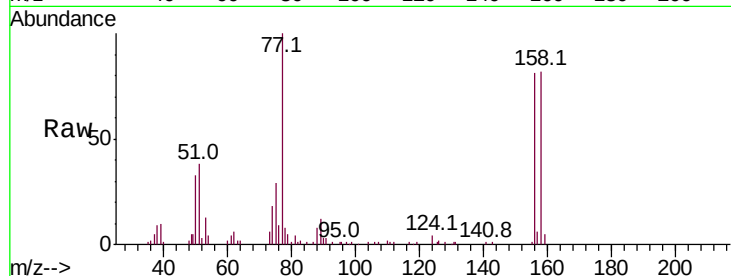
Tot Ion:156 Resp: 48114

Ion Ratio Lower Upper

156 100

77 140.1 71.5 214.5

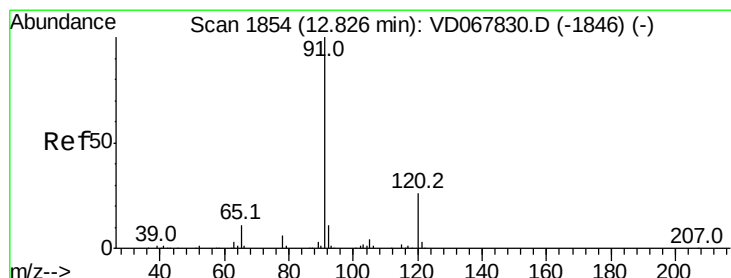
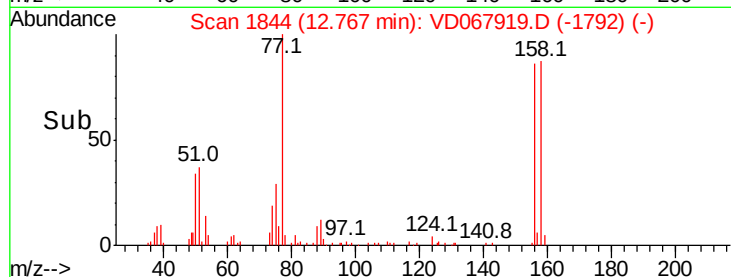
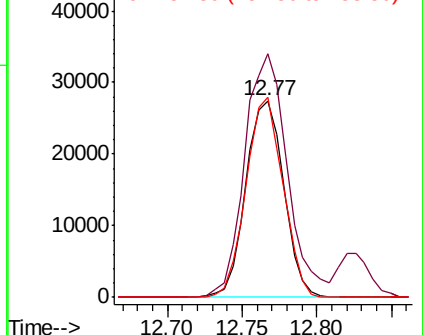
158 99.1 47.1 141.4



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: 21.715 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD067919.D

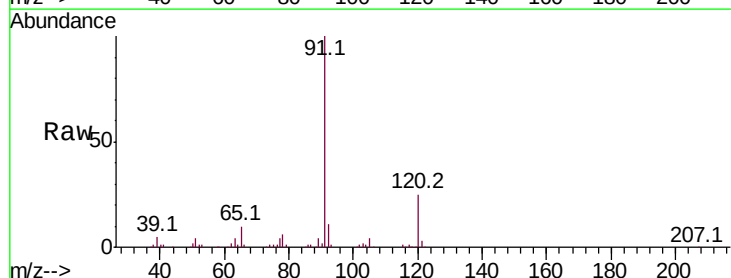
Acq: 09 Dec 2020 11:10

Tgt Ion: 91 Resp: 216336

Ion Ratio Lower Upper

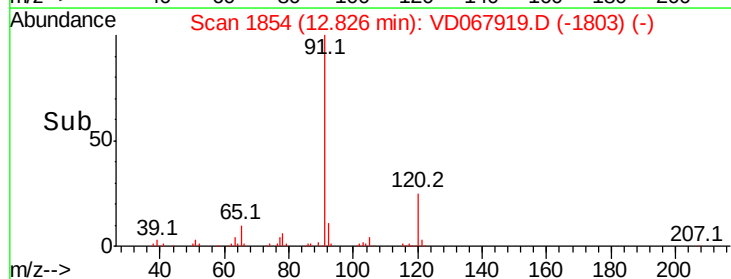
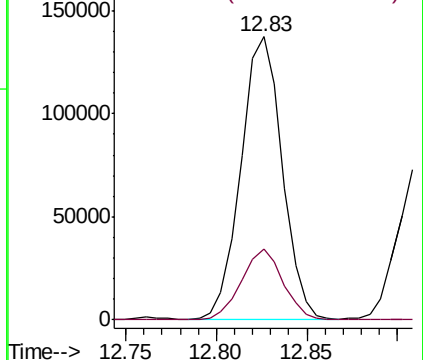
91 100

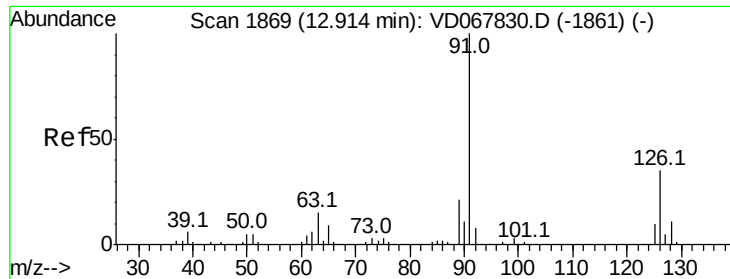
120 25.3 12.7 38.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.445 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD067919.D

Acq: 09 Dec 2020 11:10

Instrument :

MSVOA_D

ClientSampleId :

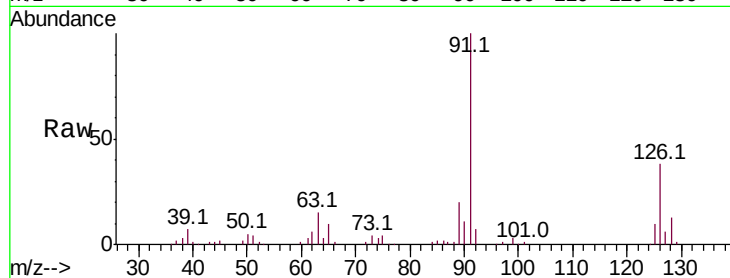
VD1209SBS01

Tot Ion: 91 Resp: 125684

Ion Ratio Lower Upper

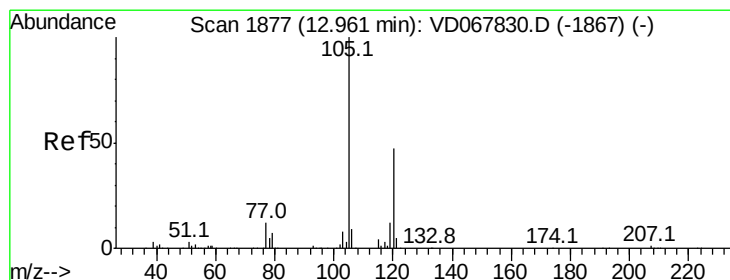
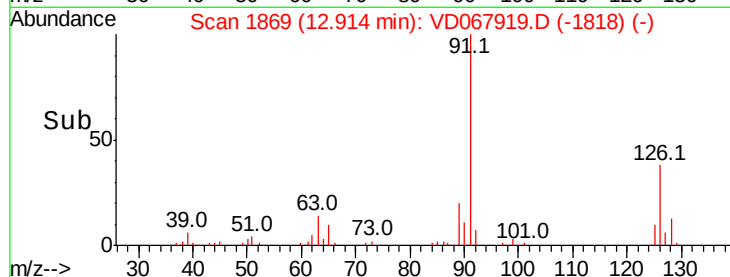
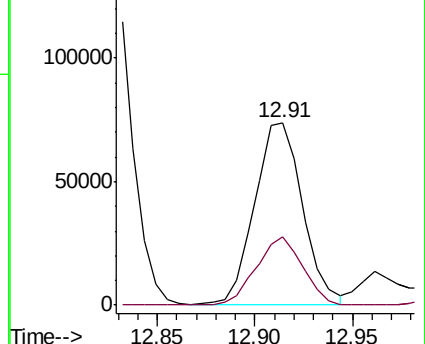
91 100

126 36.5 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 22.530 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.01 min

Lab File: VD067919.D

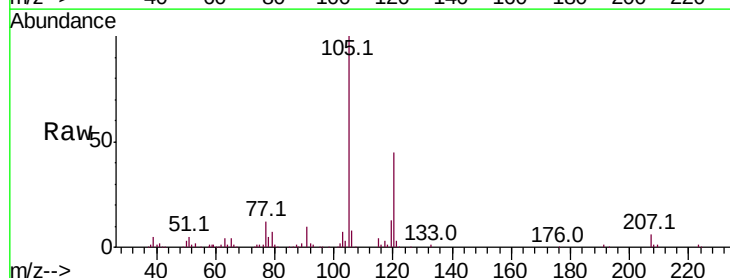
Acq: 09 Dec 2020 11:10

Tgt Ion:105 Resp: 175334

Ion Ratio Lower Upper

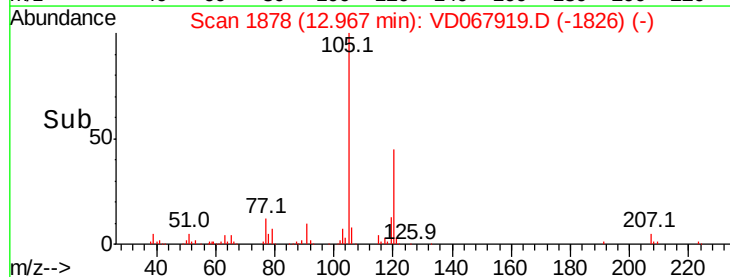
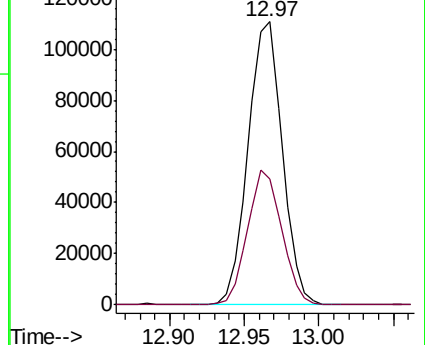
105 100

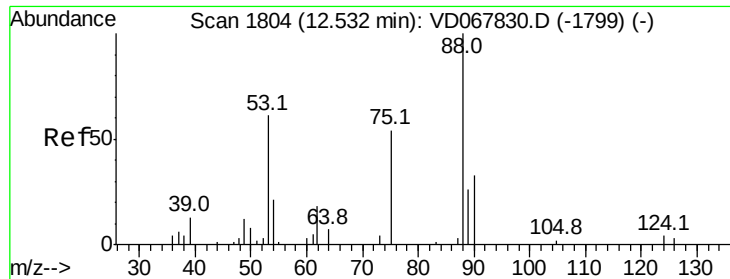
120 47.6 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 19.479 ug/l

RT: 12.53 min Scan# 1803

Delta R.T. -0.01 min

Lab File: VD067919.D

Acq: 09 Dec 2020 11:10

Instrument :

MSVOA_D

ClientSampleId :

VD1209SBS01

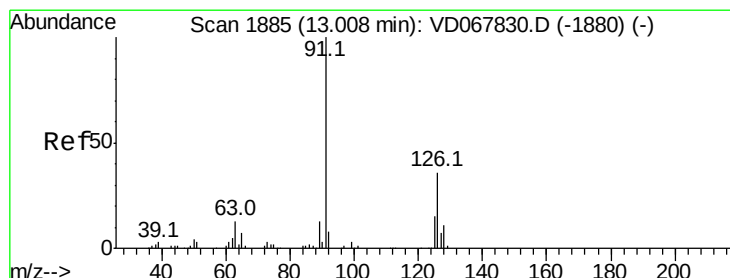
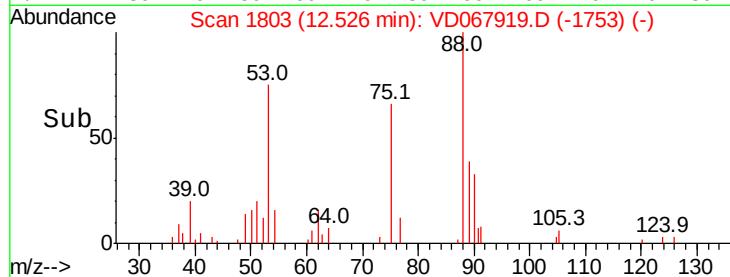
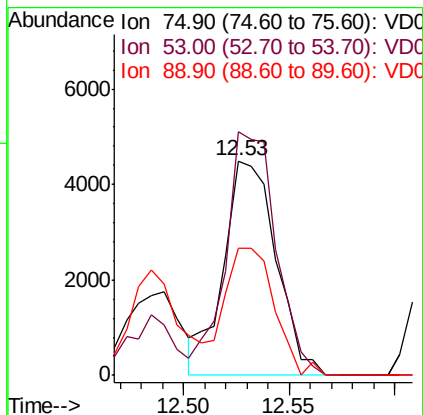
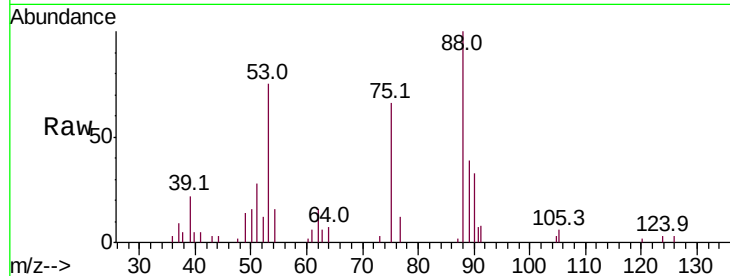
Tot Ion: 75 Resp: 7751

Ion Ratio Lower Upper

75 100

53 108.7 84.6 127.0

89 56.7 41.0 61.6



#82

4-Chlorotoluene

Concen: 21.655 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VD067919.D

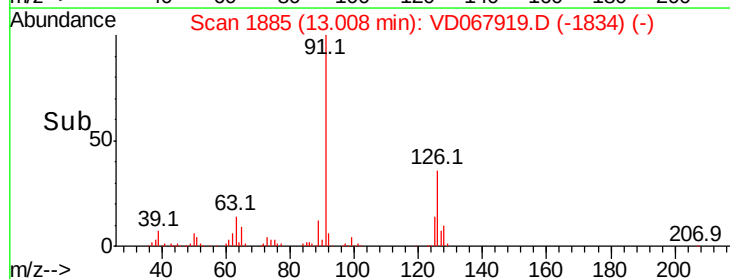
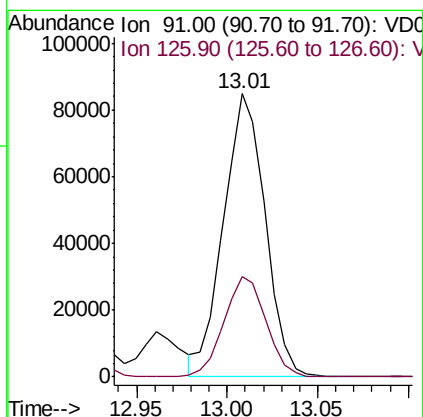
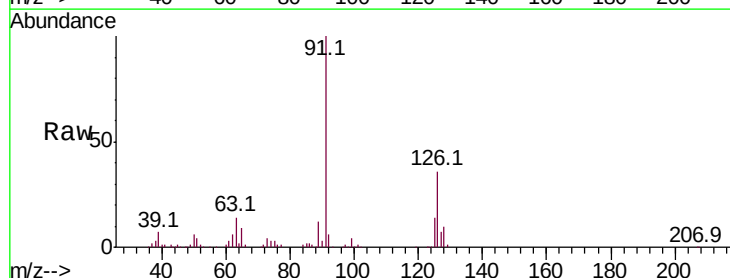
Acq: 09 Dec 2020 11:10

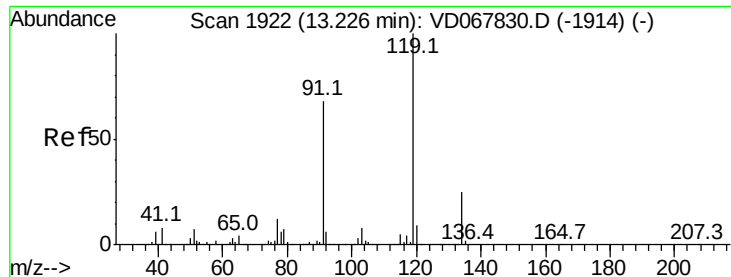
Tgt Ion: 91 Resp: 135383

Ion Ratio Lower Upper

91 100

126 35.8 18.1 54.4

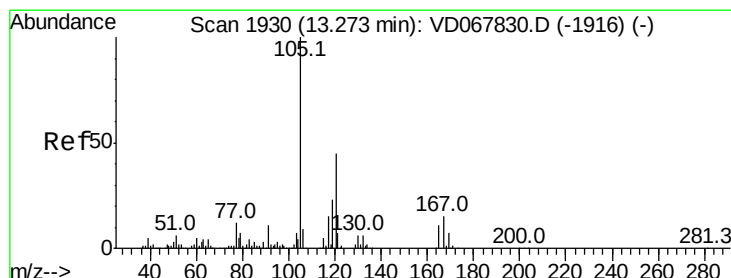
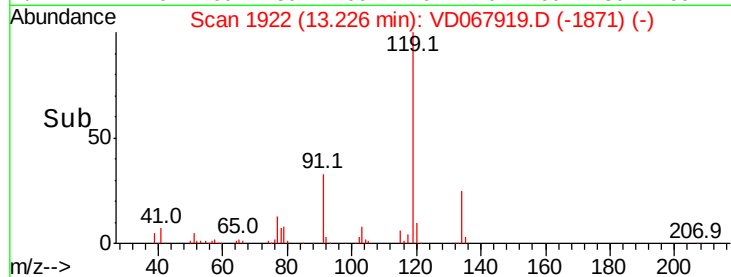
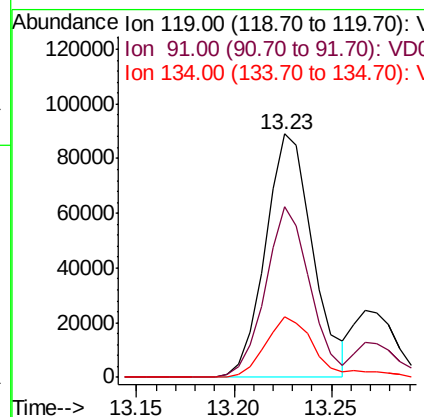
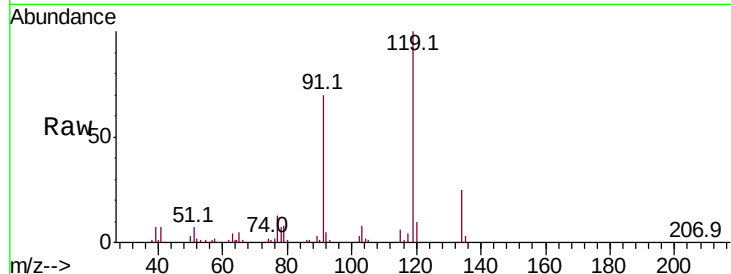




#83
tert-Butylbenzene
Concen: 22.558 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD067919.D
Acq: 09 Dec 2020 11:10

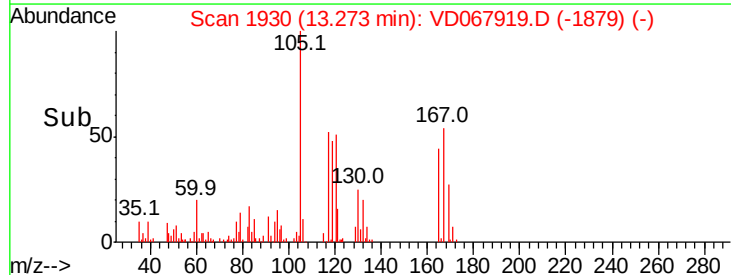
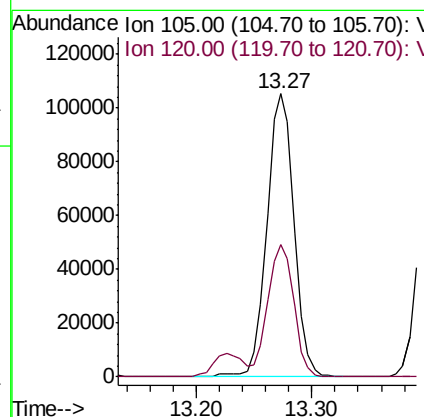
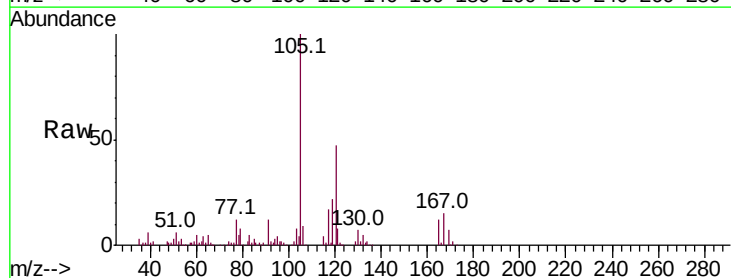
Instrument :
MSVOA_D
ClientSampleId :
VD1209SBS01

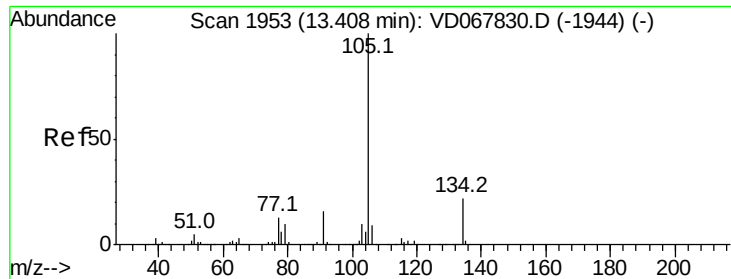
Tot Ion:119 Resp: 149392
Ion Ratio Lower Upper
119 100
91 65.9 33.1 99.3
134 26.7 13.6 40.8



#84
1,2,4-Trimethylbenzene
Concen: 22.261 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067919.D
Acq: 09 Dec 2020 11:10

Tgt Ion:105 Resp: 172274
Ion Ratio Lower Upper
105 100
120 45.4 22.1 66.5





#85

sec-Butylbenzene

Concen: 21.260 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD067919.D

Acq: 09 Dec 2020 11:10

Instrument :

MSVOA_D

ClientSampleId :

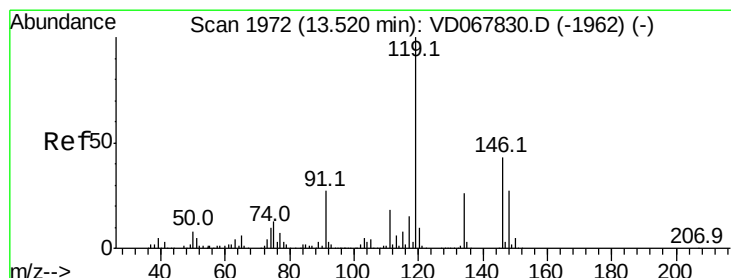
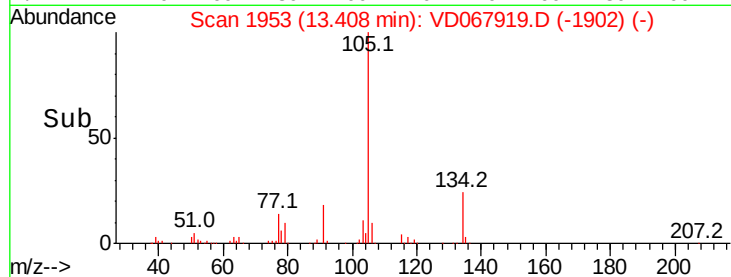
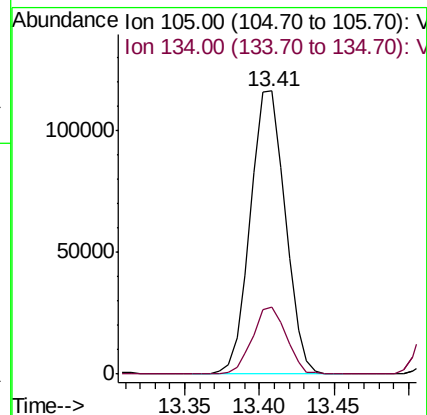
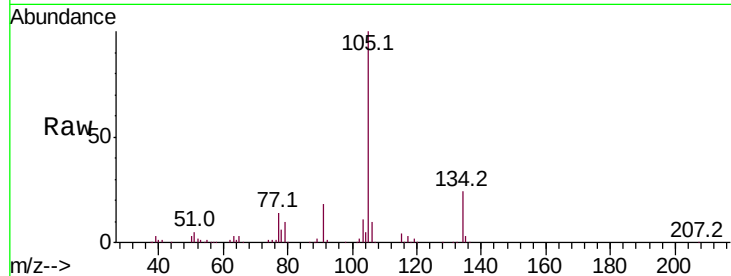
VD1209SBS01

Tot Ion:105 Resp: 187915

Ion Ratio Lower Upper

105 100

134 23.1 10.9 32.9



#86

p-Isopropyltoluene

Concen: 21.920 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD067919.D

Acq: 09 Dec 2020 11:10

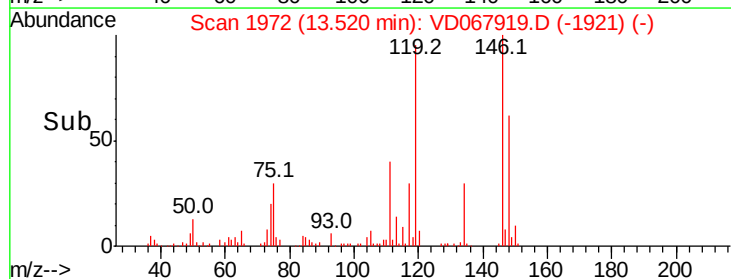
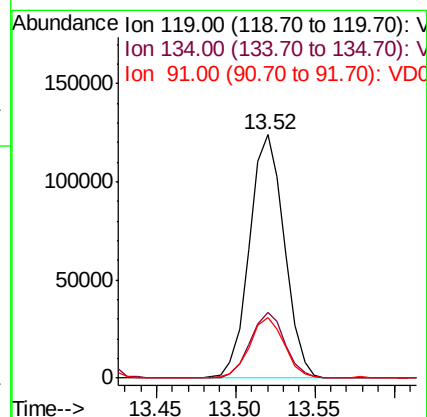
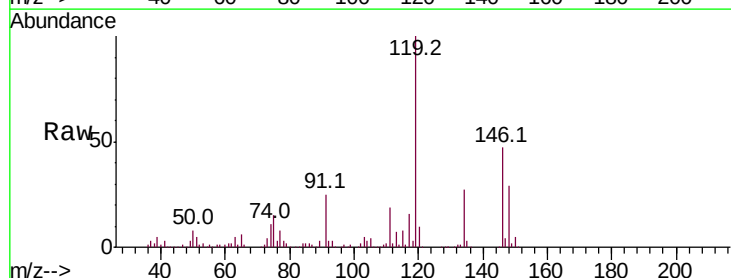
Tgt Ion:119 Resp: 189887

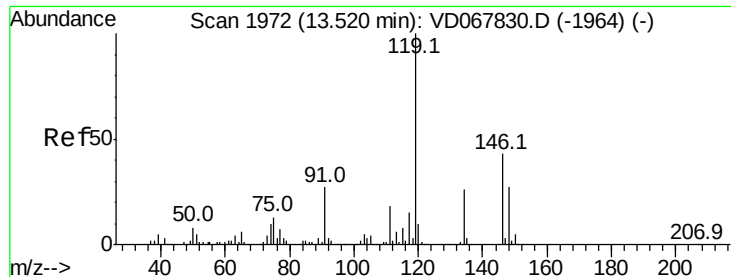
Ion Ratio Lower Upper

119 100

134 27.0 13.1 39.3

91 24.7 12.8 38.3





#87

1,3-Dichlorobenzene

Concen: 21.312 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD067919.D

Acq: 09 Dec 2020 11:10

Instrument :

MSVOA_D

ClientSampleId :

VD1209SBS01

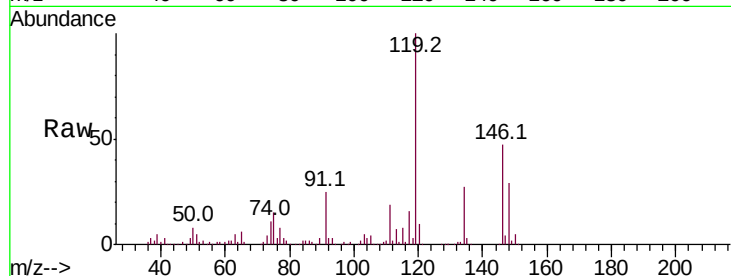
Tot Ion:146 Resp: 91869

Ion Ratio Lower Upper

146 100

111 39.7 20.8 62.2

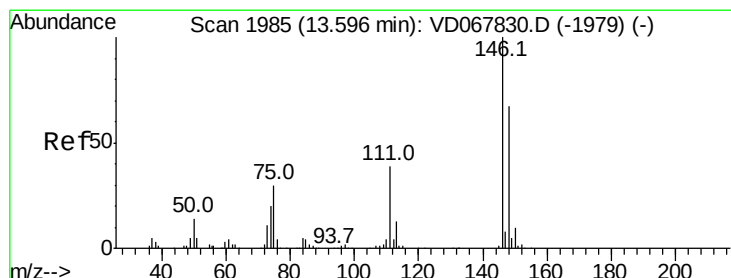
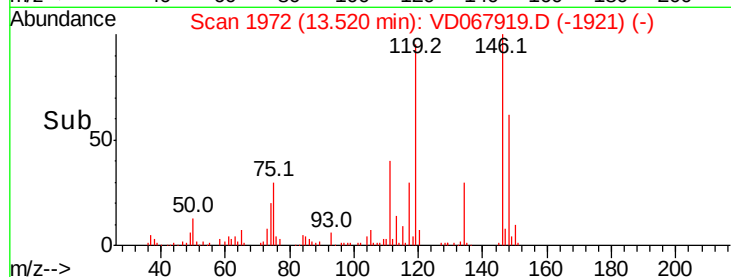
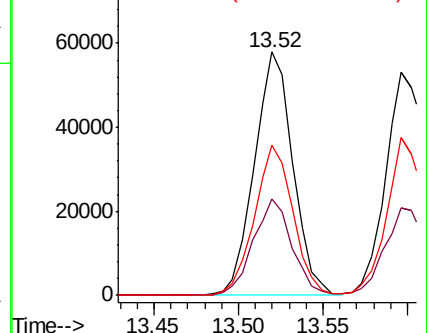
148 61.7 32.9 98.6



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 20.799 ug/l

RT: 13.60 min Scan# 1985

Delta R.T. 0.00 min

Lab File: VD067919.D

Acq: 09 Dec 2020 11:10

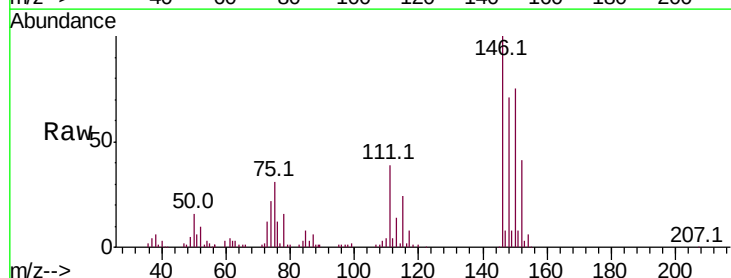
Tgt Ion:146 Resp: 89694

Ion Ratio Lower Upper

146 100

111 39.8 19.9 59.6

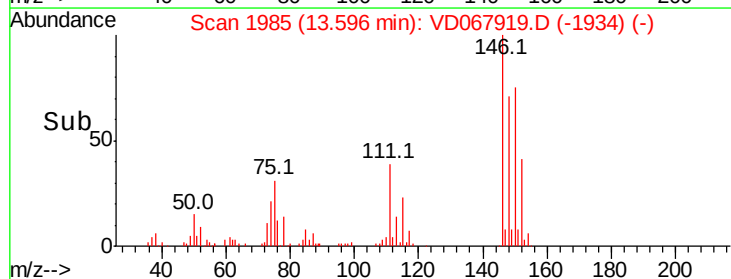
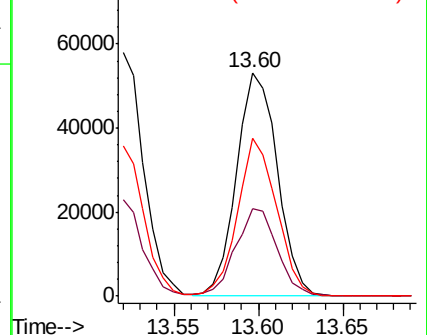
148 67.2 32.4 97.2

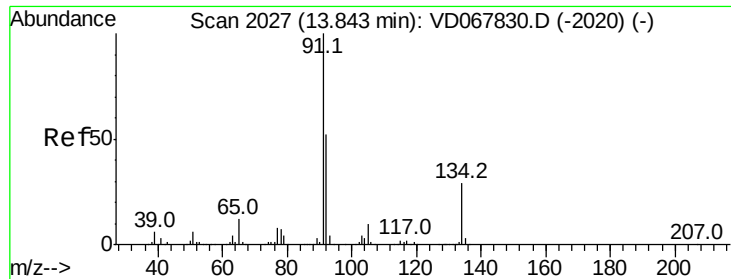


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

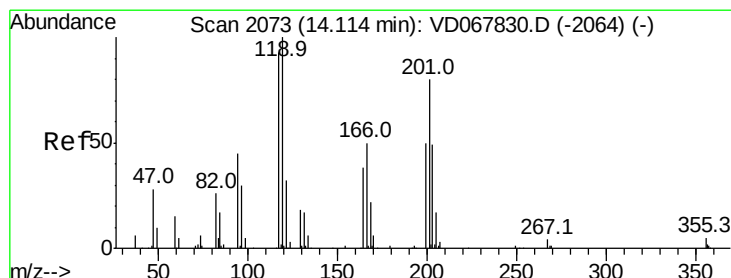
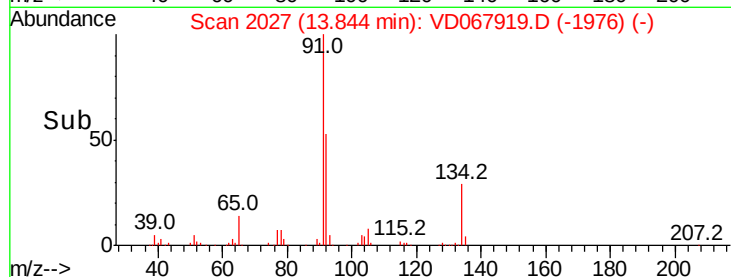
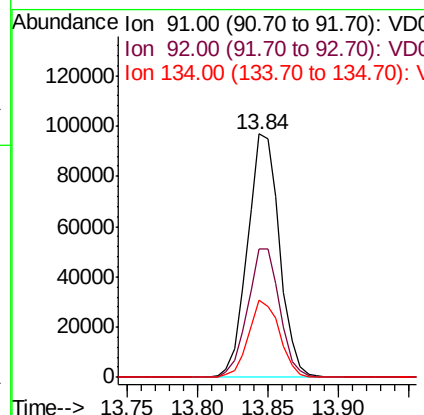
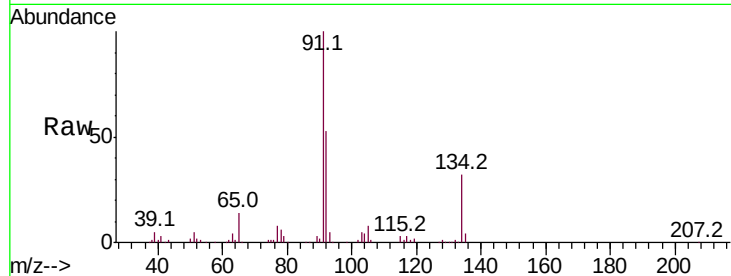




#89
n-Butylbenzene
Concen: 21.345 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. 0.00 min
Lab File: VD067919.D
Acq: 09 Dec 2020 11:10

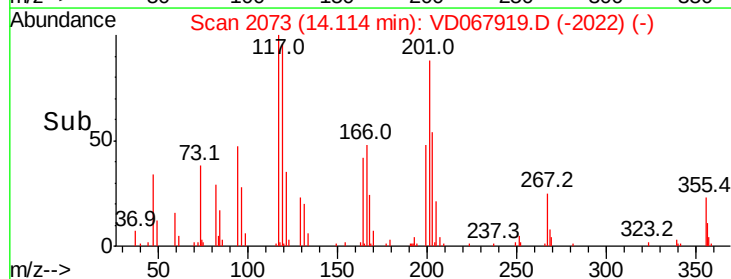
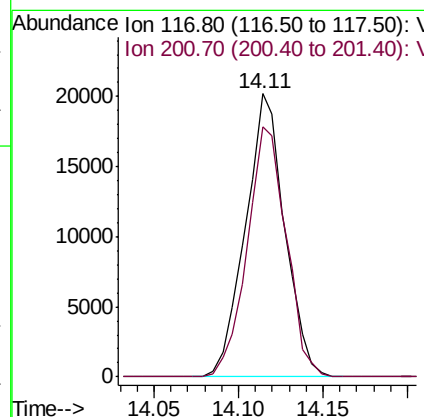
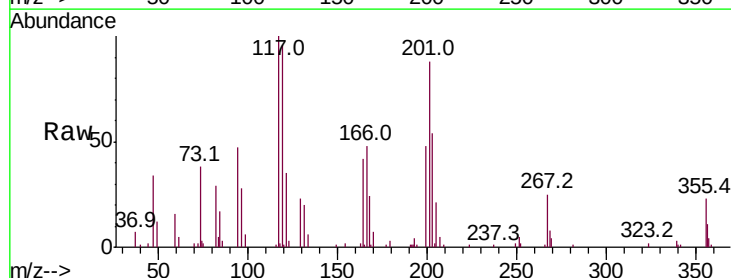
Instrument :
MSVOA_D
ClientSampleId :
VD1209SBS01

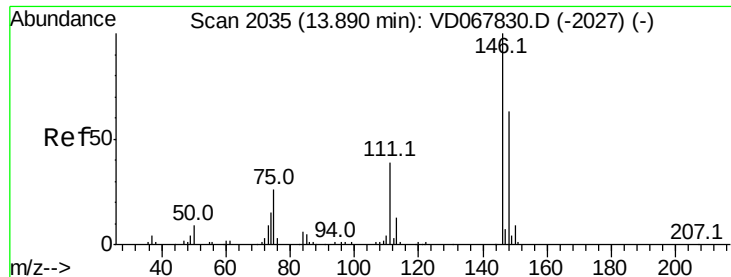
Tot Ion: 91 Resp: 153623
Ion Ratio Lower Upper
91 100
92 53.0 26.3 78.8
134 30.8 14.8 44.3



#90
Hexachloroethane
Concen: 20.473 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD067919.D
Acq: 09 Dec 2020 11:10

Tgt Ion: 117 Resp: 32743
Ion Ratio Lower Upper
117 100
201 87.5 43.9 131.6

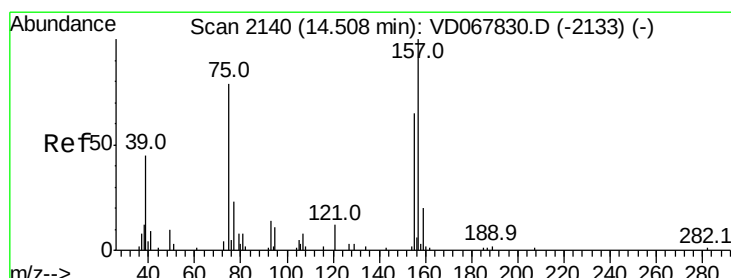
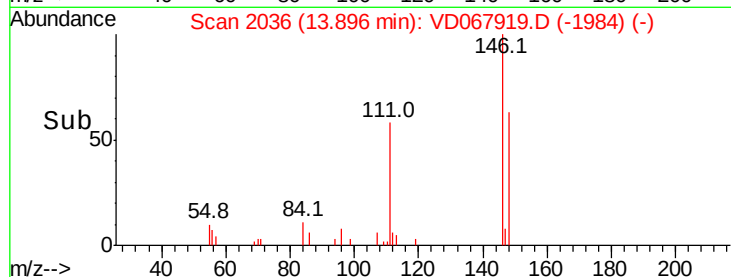
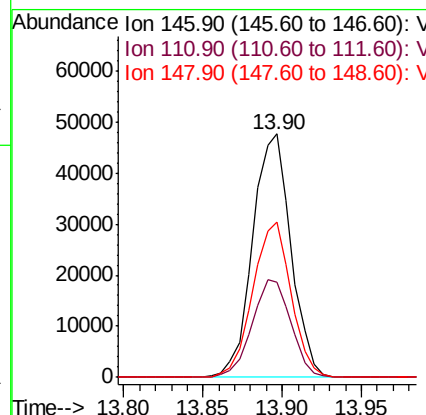
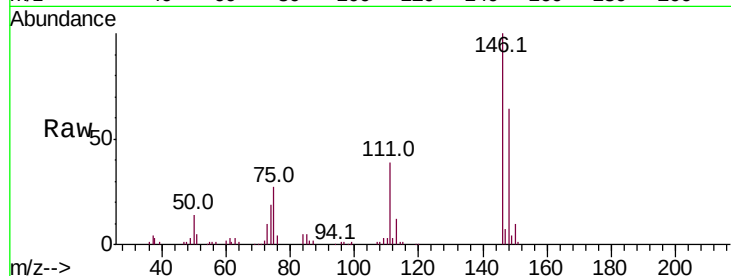




#91
 1,2-Dichlorobenzene
 Concen: 21.365 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.01 min
 Lab File: VD067919.D
 Acq: 09 Dec 2020 11:10

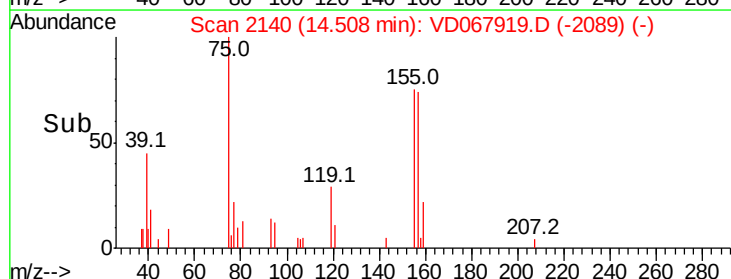
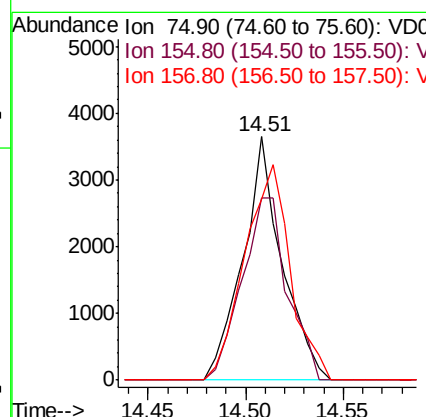
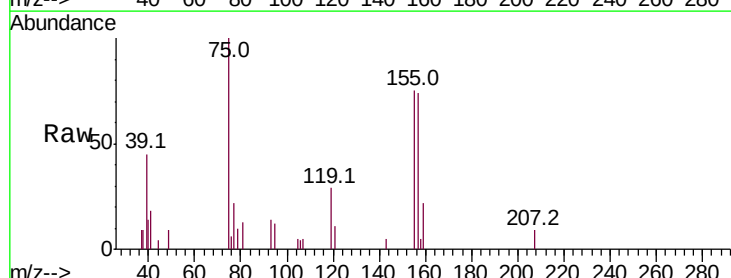
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1209SBS01

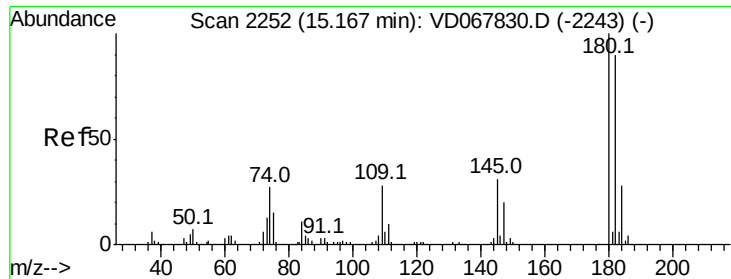
Tot Ion:146 Resp: 79874
 Ion Ratio Lower Upper
 146 100
 111 40.8 20.4 61.2
 148 63.7 32.1 96.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.475 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. 0.00 min
 Lab File: VD067919.D
 Acq: 09 Dec 2020 11:10

Tgt Ion: 75 Resp: 5071
 Ion Ratio Lower Upper
 75 100
 155 86.9 44.1 132.4
 157 103.1 62.4 187.2

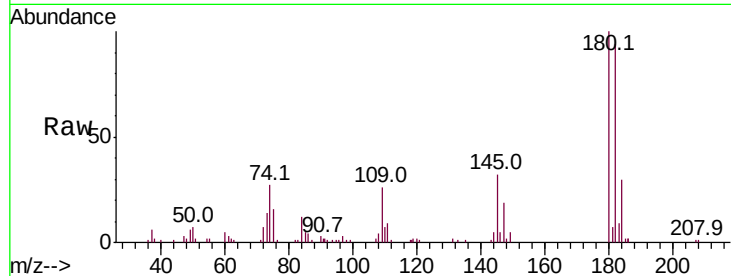




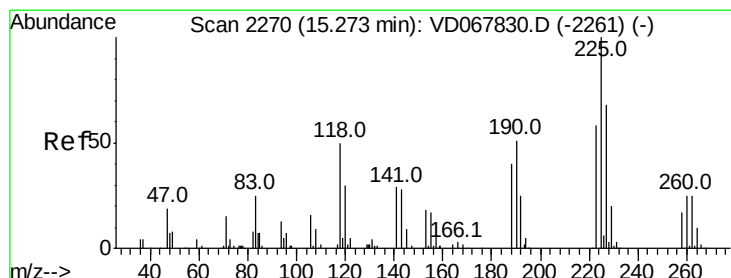
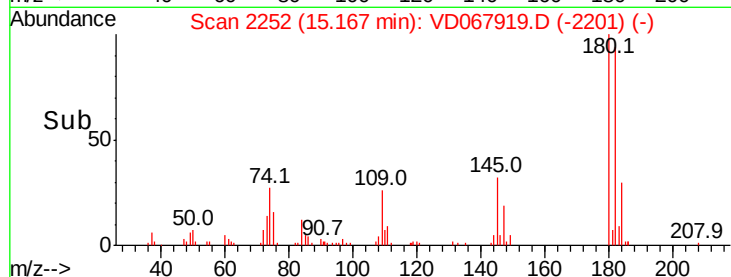
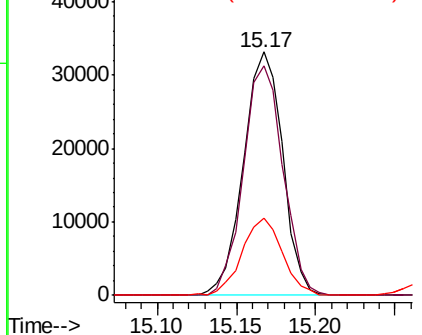
#93
 1,2,4-Trichlorobenzene
 Concen: 21.806 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD067919.D
 Acq: 09 Dec 2020 11:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1209SBS01

Tot Ion:180 Resp: 57026
 Ion Ratio Lower Upper
 180 100
 182 95.6 47.5 142.6
 145 32.7 16.4 49.4

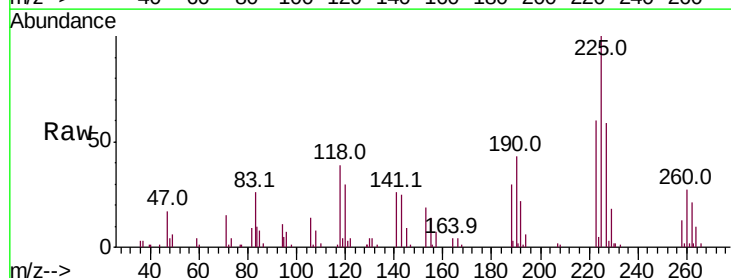


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

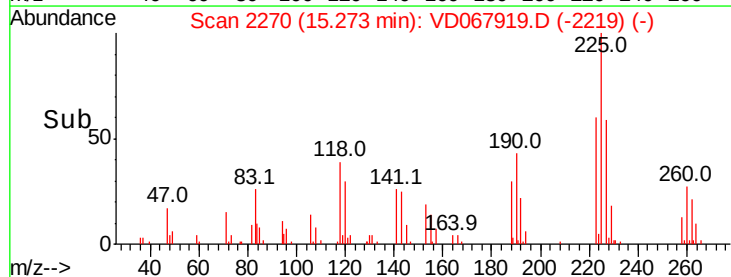
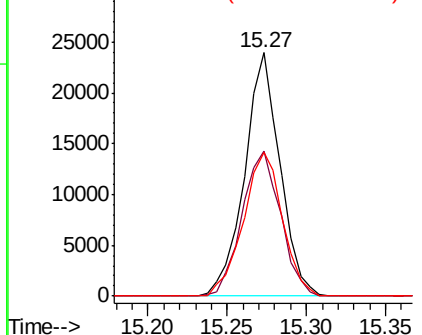


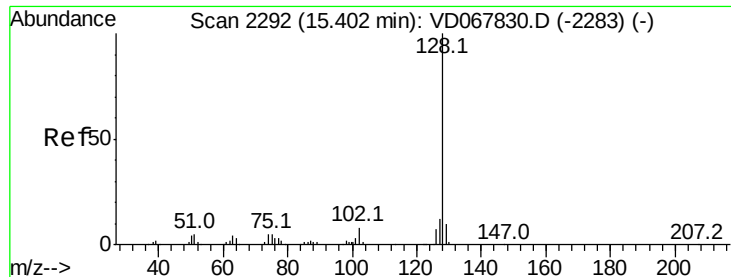
#94
 Hexachlorobutadiene
 Concen: 21.765 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD067919.D
 Acq: 09 Dec 2020 11:10

Tgt Ion:225 Resp: 37140
 Ion Ratio Lower Upper
 225 100
 223 64.7 31.1 93.3
 227 65.2 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

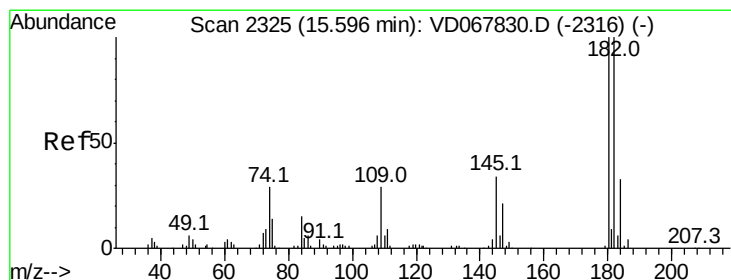
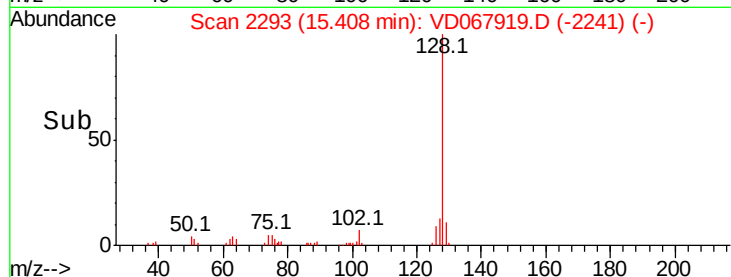
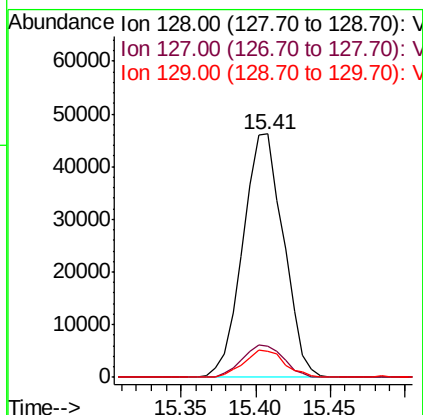
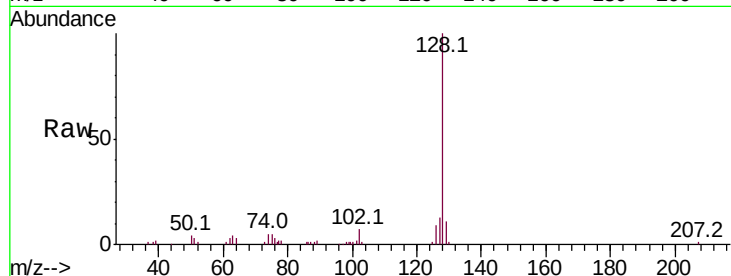




#95
Naphthalene
Concen: 20.484 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.01 min
Lab File: VD067919.D
Acq: 09 Dec 2020 11:10

Instrument :
MSVOA_D
ClientSampleId :
VD1209SBS01

Tot Ion:128 Resp: 87168
Ion Ratio Lower Upper
128 100
127 13.3 10.6 15.8
129 11.1 9.0 13.6



#96
1,2,3-Trichlorobenzene
Concen: 21.868 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.01 min
Lab File: VD067919.D
Acq: 09 Dec 2020 11:10

Tgt Ion:180 Resp: 49387
Ion Ratio Lower Upper
180 100
182 90.5 47.3 142.0
145 33.6 16.8 50.4

