

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD010421\
 Data File : VD067991.D
 Acq On : 04 Jan 2021 13:21
 Operator : VA/SY
 Sample : L5248-01
 Misc : 7.15G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VR16125

Quant Time: Jan 05 00:08:57 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122220S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 23 07:34:16 2020
 Response via : Initial Calibration

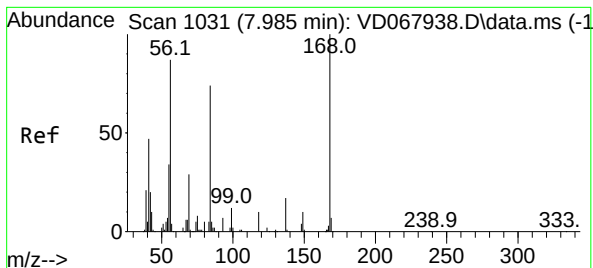
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.985	168	287664	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	562202	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.649	117	509842	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.578	152	229603	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	193159	62.18	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	124.36%
35) Dibromofluoromethane	7.920	113	192358	54.30	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	108.60%
50) Toluene-d8	10.343	98	713513	53.59	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	107.18%
62) 4-Bromofluorobenzene	12.631	95	230021	50.50	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	101.00%

Target Compounds						Qvalue
5) Bromomethane	2.785	94	596	Below Cal	#	63
10) Methyl Iodide	4.308	142	356	3.95	ug/l #	64
11) Tert butyl alcohol	5.220	59	134	Below Cal	#	74
16) Acetone	4.167	43	6332	10.68	ug/l #	89
20) Methylene Chloride	4.973	84	5832	Below Cal	#	78
29) Tetrahydrofuran	7.555	42	14564	24.62	ug/l	98
31) Cyclohexane	7.985	56	8582	1.35	ug/l #	1
41) Methacrylonitrile	7.567	41	8921	6.55	ug/l #	49
52) Toluene	10.402	92	19380	1.81	ug/l	100
71) Bromoform	12.631	173	2378	1.20	ug/l #	28
76) 1,2,3-Trichloropropane	12.631	75	116584	60.31	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.631	75	116584	123.62	ug/l #	13
86) p-Isopropyltoluene	13.514	119	98977	6.60	ug/l #	76
87) 1,3-Dichlorobenzene	13.596	146	249365	32.17	ug/l	98
88) 1,4-Dichlorobenzene	13.596	146	249365	32.58	ug/l	97
95) Naphthalene	15.396	128	15148	2.21	ug/l	96

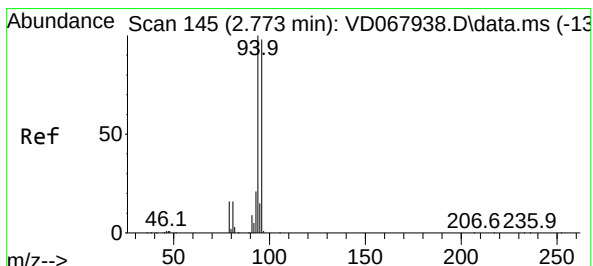
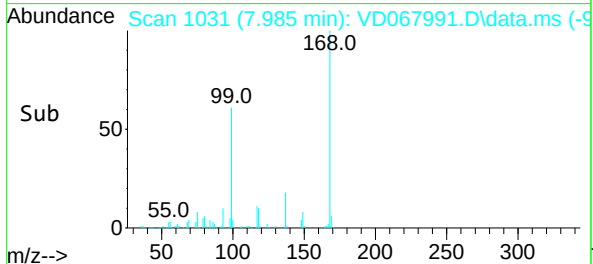
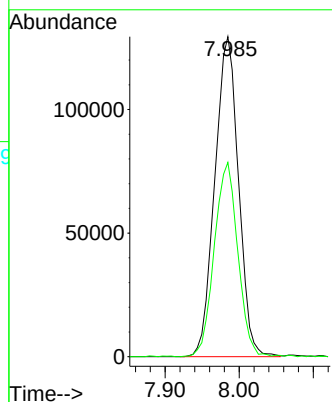
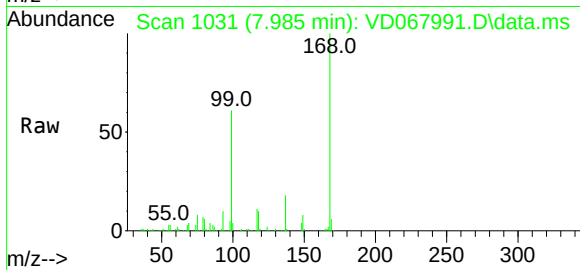
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD067991.D
Acq: 04 Jan 2021 13:21

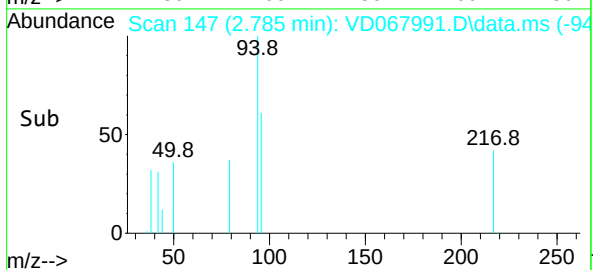
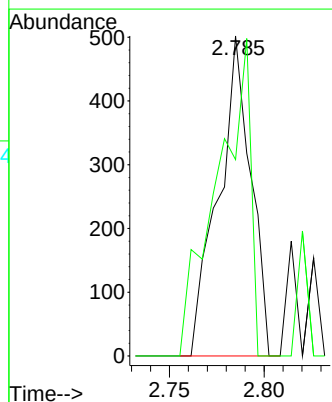
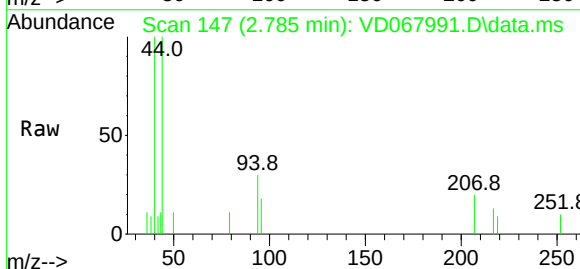
Instrument :
MSVOA_D
ClientSampleId :
VR16125

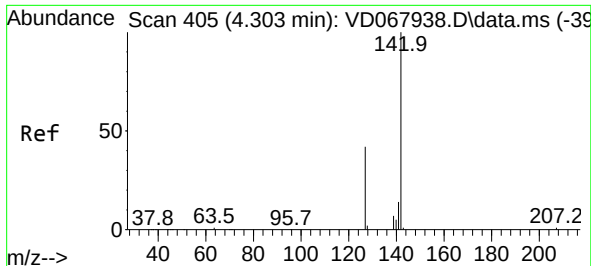
Tgt Ion:168 Resp: 287664
Ion Ratio Lower Upper
168 100
99 60.7 48.0 72.0



#5
Bromomethane
Concen: Below Cal
RT: 2.785 min Scan# 147
Delta R.T. 0.012 min
Lab File: VD067991.D
Acq: 04 Jan 2021 13:21

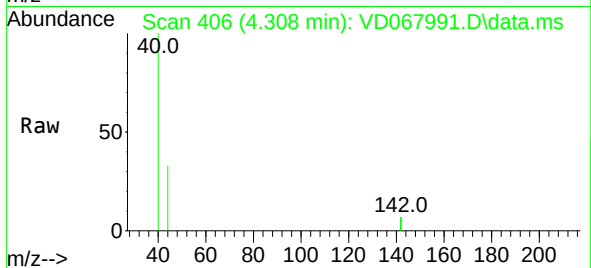
Tgt Ion: 94 Resp: 596
Ion Ratio Lower Upper
94 100
96 61.4 78.0 117.0#



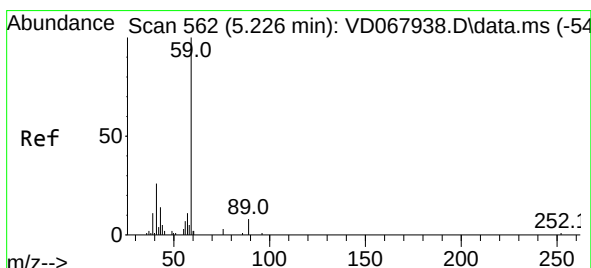
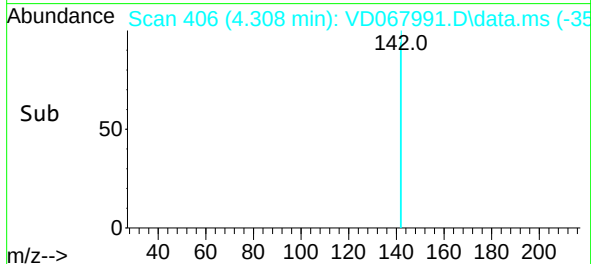
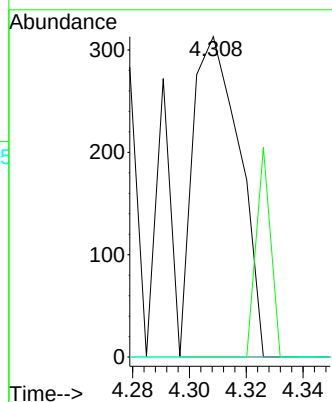


#10
Methyl Iodide
Concen: 3.95 ug/l
RT: 4.308 min Scan# 406
Delta R.T. 0.005 min
Lab File: VD067991.D
Acq: 04 Jan 2021 13:21

Instrument :
MSVOA_D
ClientSampleId :
VR16125

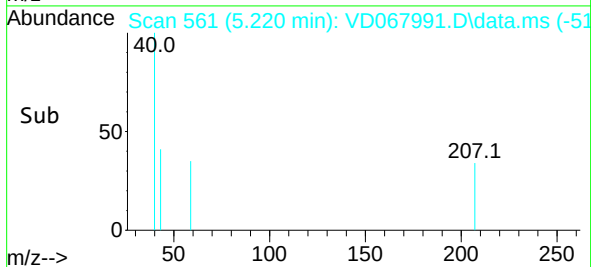
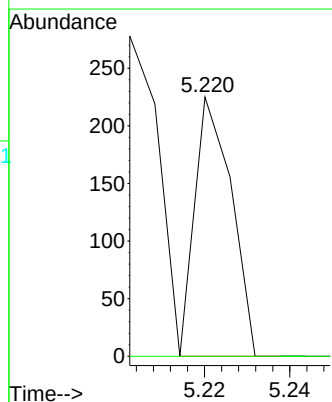
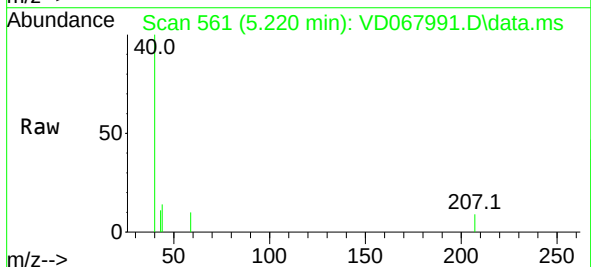


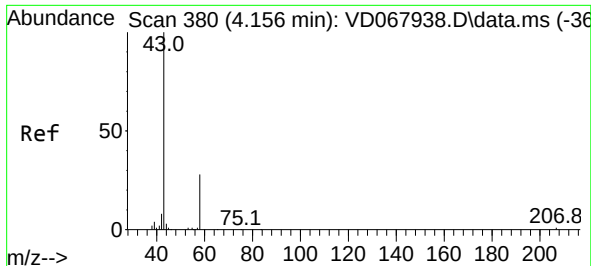
Tgt Ion:142 Resp: 356
Ion Ratio Lower Upper
142 100
127 20.2 34.4 51.6#
141 0.0 11.8 17.8#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.220 min Scan# 561
Delta R.T. -0.006 min
Lab File: VD067991.D
Acq: 04 Jan 2021 13:21

Tgt Ion: 59 Resp: 134
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

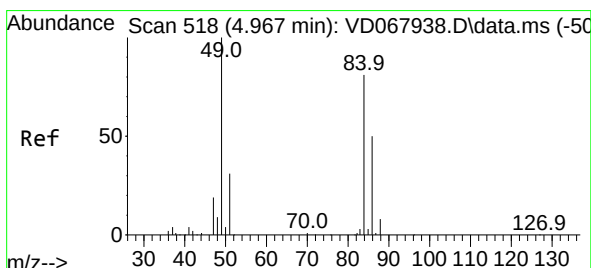
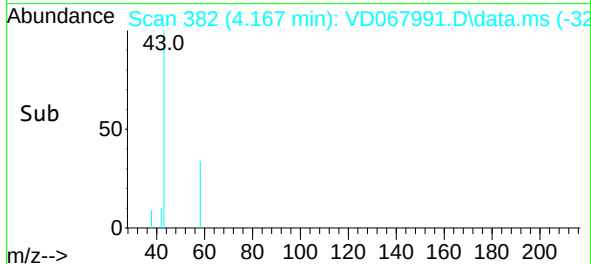
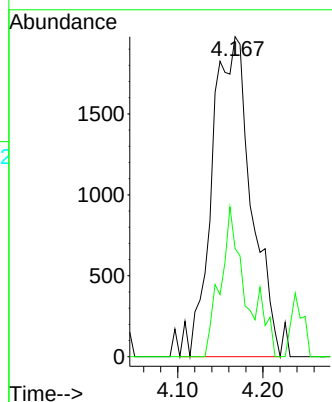
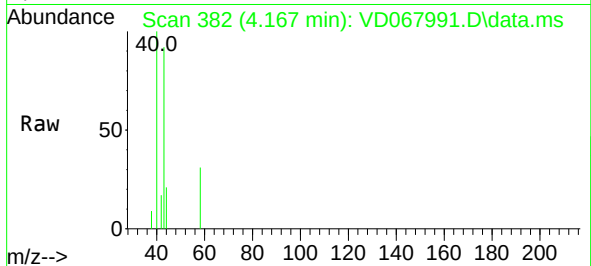




#16
Acetone
Concen: 10.68 ug/l
RT: 4.167 min Scan# 382
Delta R.T. 0.012 min
Lab File: VD067991.D
Acq: 04 Jan 2021 13:21

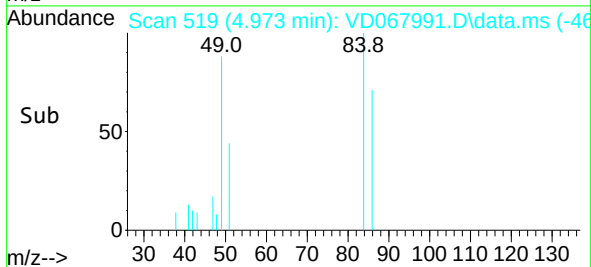
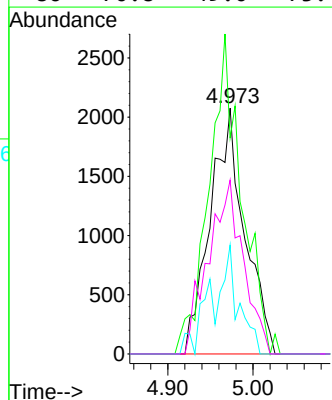
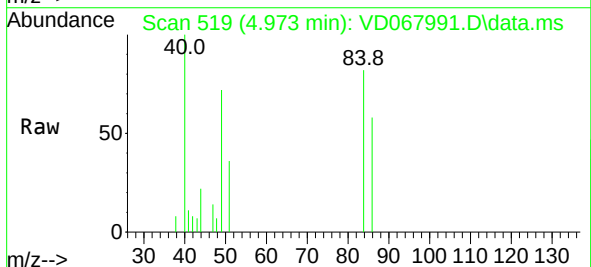
Instrument :
MSVOA_D
ClientSampleId :
VR16125

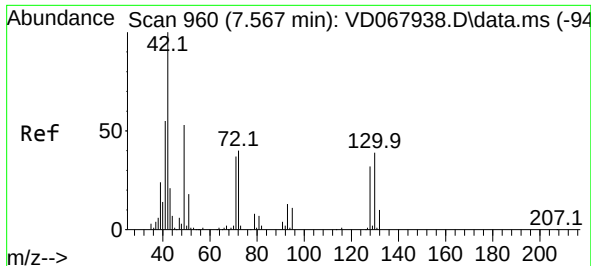
Tgt Ion: 43 Resp: 6332
Ion Ratio Lower Upper
43 100
58 33.8 22.3 33.5#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.973 min Scan# 519
Delta R.T. 0.006 min
Lab File: VD067991.D
Acq: 04 Jan 2021 13:21

Tgt Ion: 84 Resp: 5832
Ion Ratio Lower Upper
84 100
49 87.9 98.3 147.5#
51 44.3 30.3 45.5
86 70.8 49.0 73.4





#29

Tetrahydrofuran

Concen: 24.62 ug/l

RT: 7.555 min Scan# 958

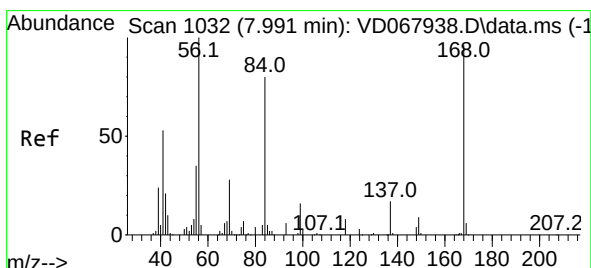
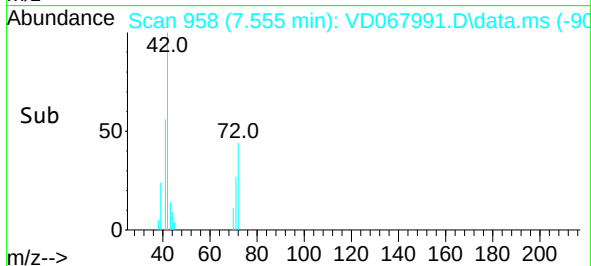
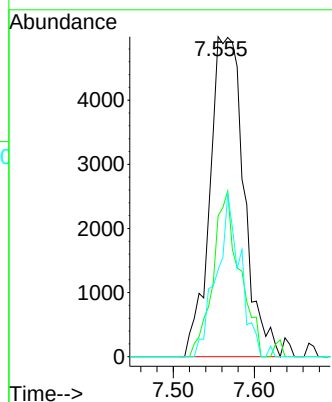
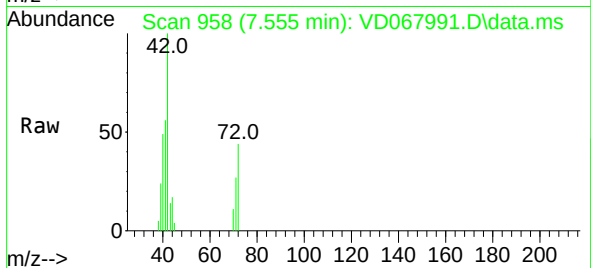
Delta R.T. -0.012 min

Lab File: VD067991.D

Acq: 04 Jan 2021 13:21

Instrument :
MSVOA_D
ClientSampleId :
VR16125

Tgt Ion:	42	Resp:	14564
Ion Ratio	Lower	Upper	
42	100		
72	40.3	32.9	49.3
71	35.4	29.9	44.9



#31

Cyclohexane

Concen: 1.35 ug/l

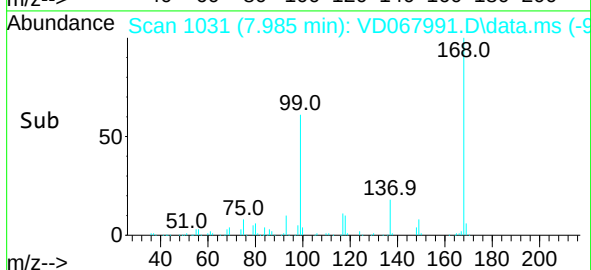
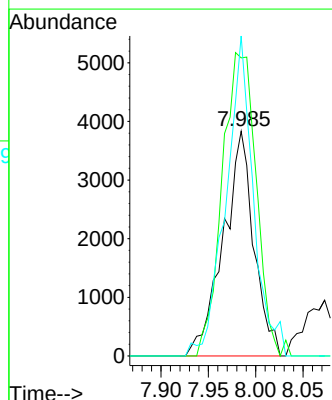
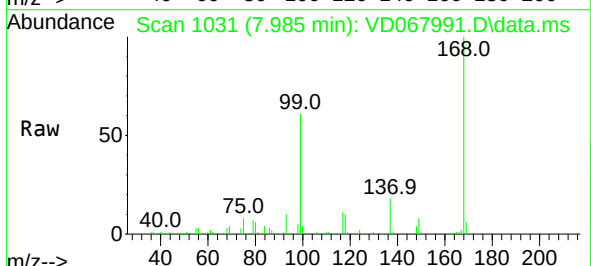
RT: 7.985 min Scan# 1031

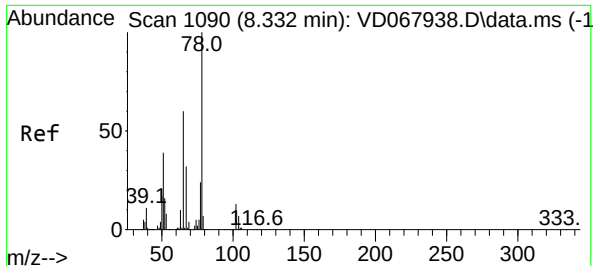
Delta R.T. -0.006 min

Lab File: VD067991.D

Acq: 04 Jan 2021 13:21

Tgt Ion:	56	Resp:	8582
Ion Ratio	Lower	Upper	
56	100		
69	132.7	22.7	34.1#
84	142.4	64.2	96.4#

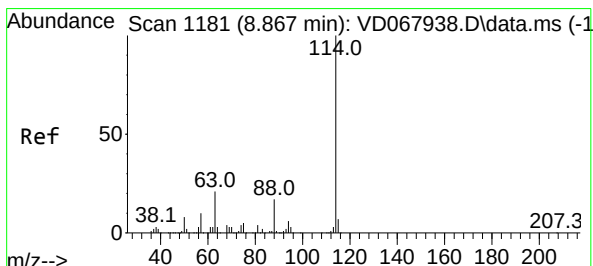
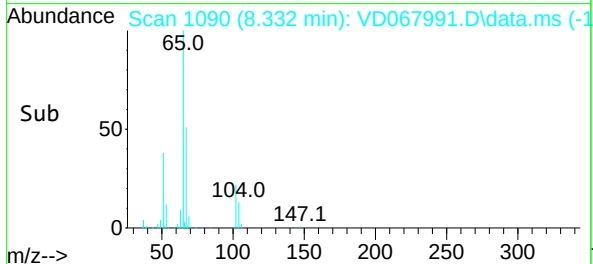
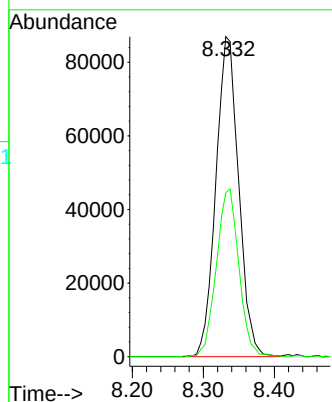
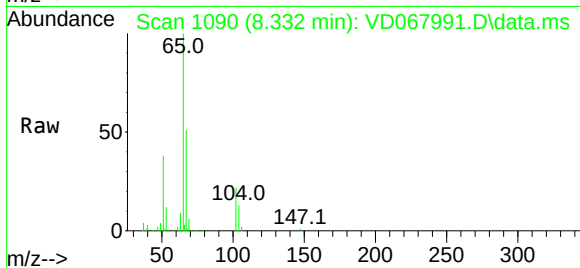




#33
1,2-Dichloroethane-d4
Concen: 62.18 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD067991.D
Acq: 04 Jan 2021 13:21

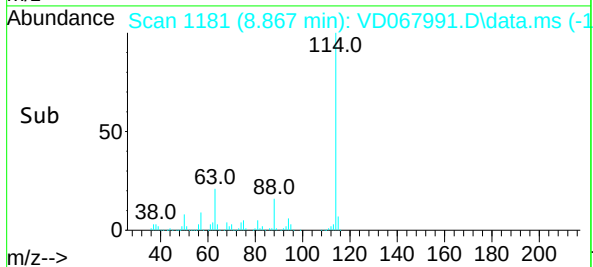
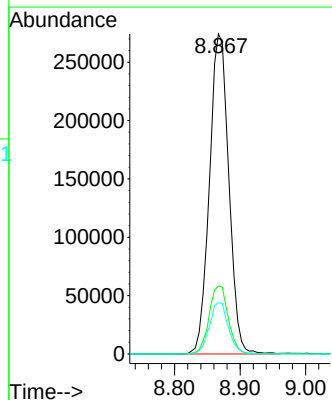
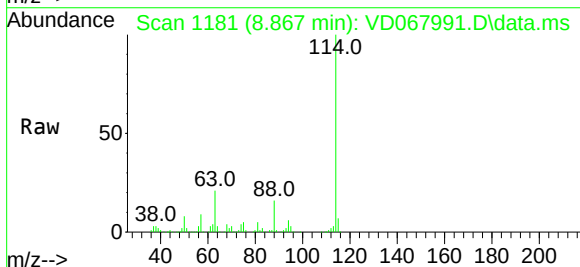
Instrument :
MSVOA_D
ClientSampleId :
VR16125

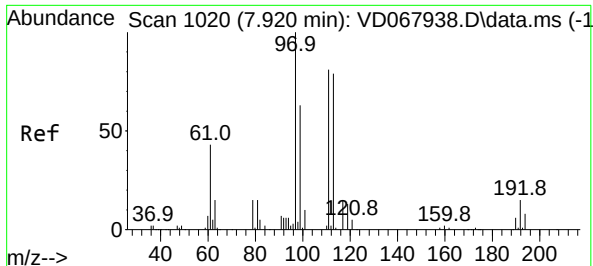
Tgt Ion: 65 Resp: 193159
Ion Ratio Lower Upper
65 100
67 51.9 0.0 110.0



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. -0.000 min
Lab File: VD067991.D
Acq: 04 Jan 2021 13:21

Tgt Ion: 114 Resp: 562202
Ion Ratio Lower Upper
114 100
63 21.2 0.0 41.4
88 16.0 0.0 33.2





#35

Dibromofluoromethane

Concen: 54.30 ug/l

RT: 7.920 min Scan# 1020

Delta R.T. -0.000 min

Lab File: VD067991.D

Acq: 04 Jan 2021 13:21

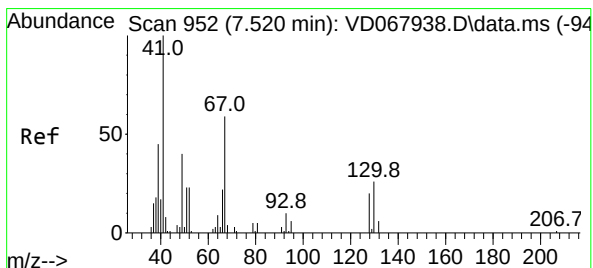
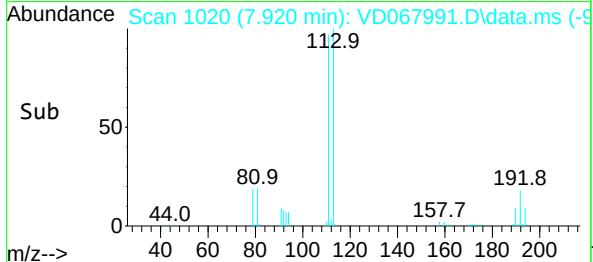
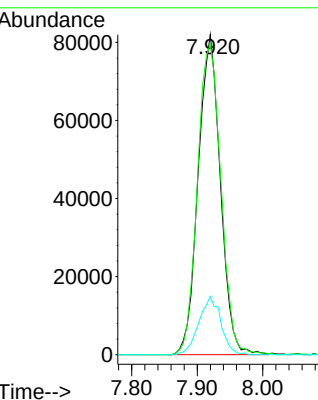
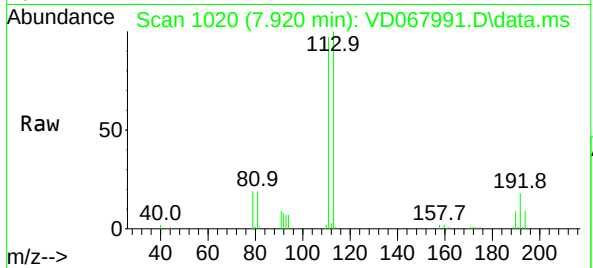
Tgt Ion:113 Resp: 192358

Ion Ratio Lower Upper

113 100

111 102.7 79.3 118.9

192 18.1 14.5 21.7



#41

Methacrylonitrile

Concen: 6.55 ug/l

RT: 7.567 min Scan# 960

Delta R.T. 0.047 min

Lab File: VD067991.D

Acq: 04 Jan 2021 13:21

Tgt Ion: 41 Resp: 8921

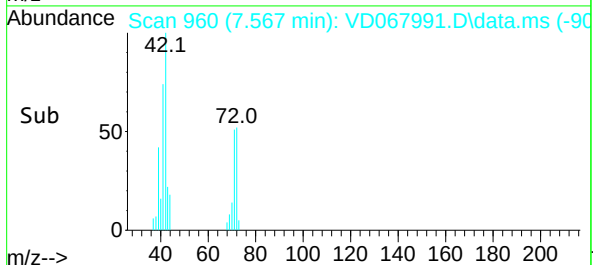
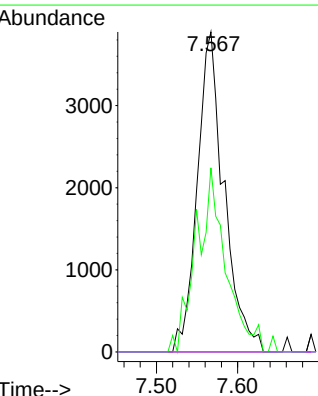
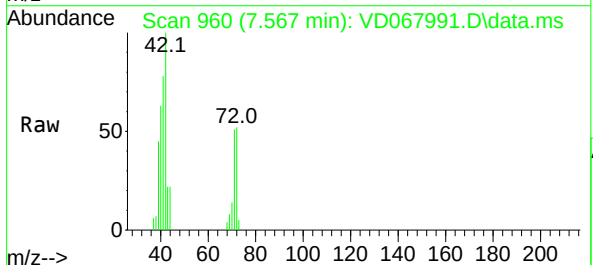
Ion Ratio Lower Upper

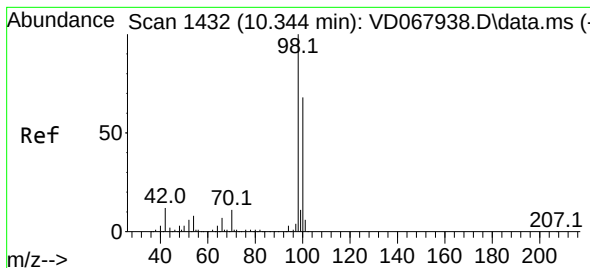
41 100

39 63.7 46.2 69.2

67 0.0 55.1 82.7#

52 0.0 23.5 35.3#

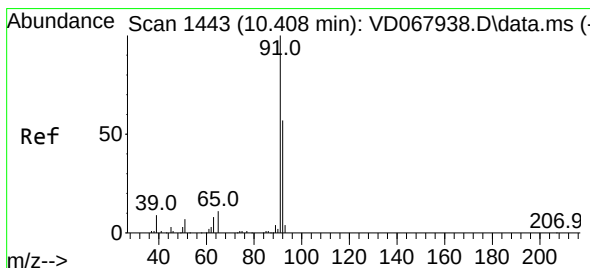
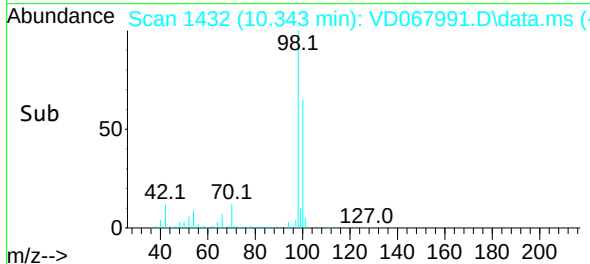
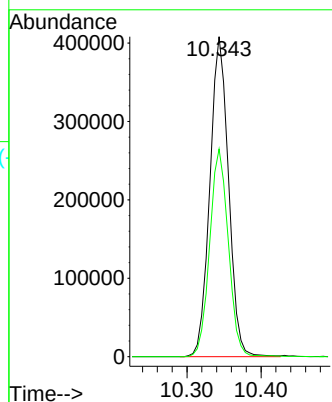
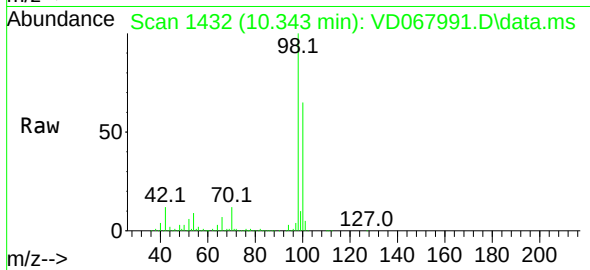




#50
Toluene-d8
Concen: 53.59 ug/l
RT: 10.343 min Scan# 1432
Delta R.T. -0.000 min
Lab File: VD067991.D
Acq: 04 Jan 2021 13:21

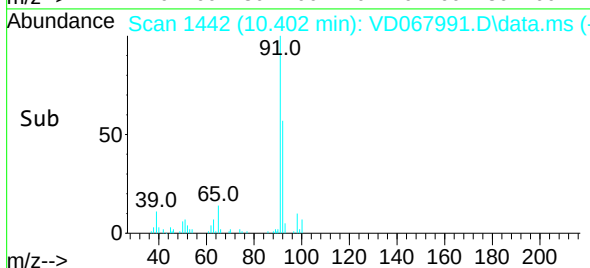
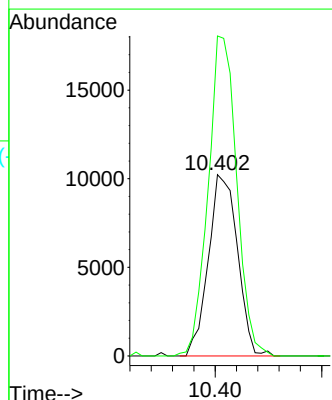
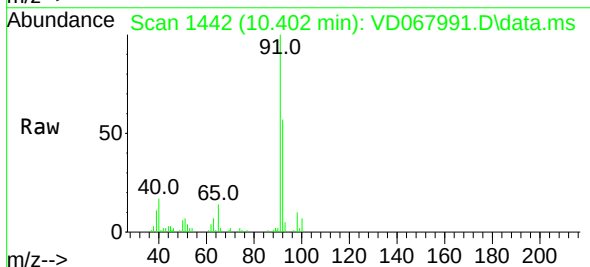
Instrument :
MSVOA_D
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VR16125

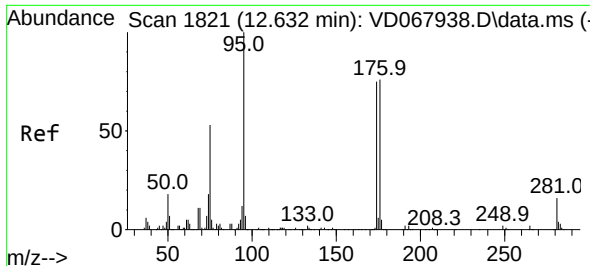
Tgt Ion: 98 Resp: 713513
Ion Ratio Lower Upper
98 100
100 65.0 52.5 78.7



#52
Toluene
Concen: 1.81 ug/l
RT: 10.402 min Scan# 1442
Delta R.T. -0.006 min
Lab File: VD067991.D
Acq: 04 Jan 2021 13:21

Tgt Ion: 92 Resp: 19380
Ion Ratio Lower Upper
92 100
91 173.3 138.5 207.7

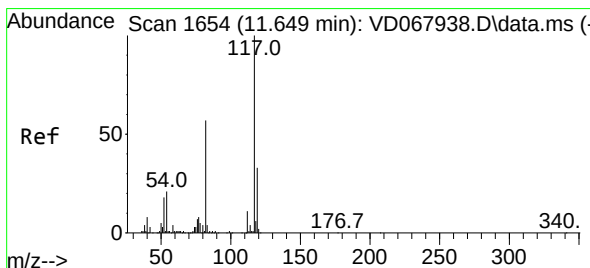
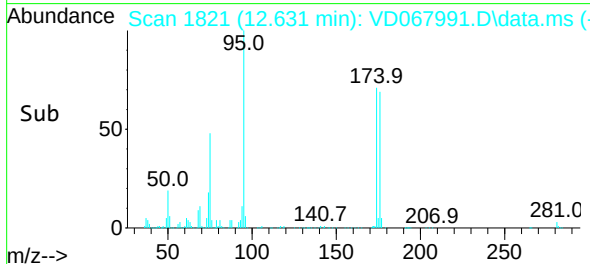
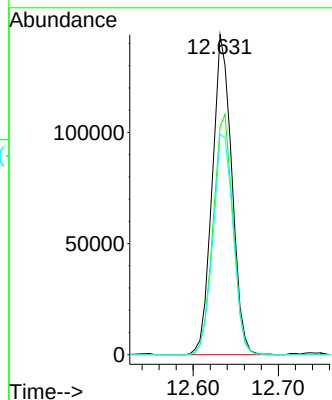
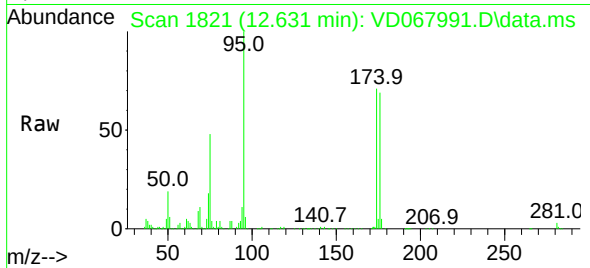




#62
4-Bromofluorobenzene
Concen: 50.50 ug/l
RT: 12.631 min Scan# 1821
Delta R.T. -0.000 min
Lab File: VD067991.D
Acq: 04 Jan 2021 13:21

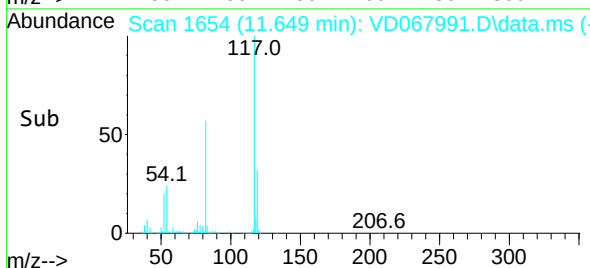
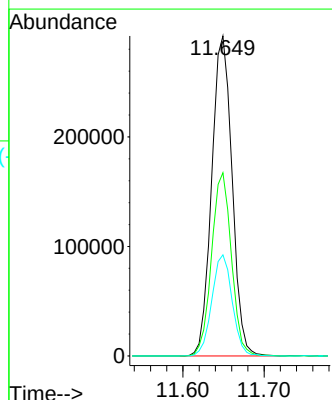
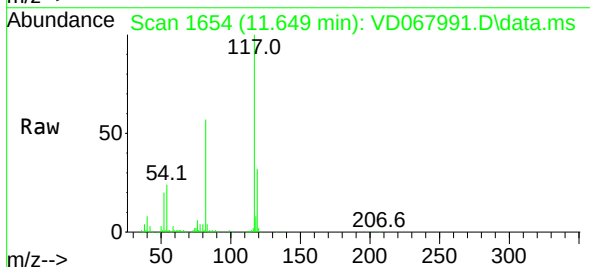
Instrument :
MSVOA_D
ClientSampleId :
VR16125

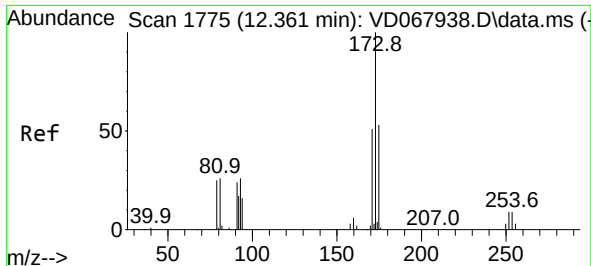
Tgt Ion: 95 Resp: 230021
Ion Ratio Lower Upper
95 100
174 76.2 0.0 150.6
176 71.5 0.0 151.2



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.649 min Scan# 1654
Delta R.T. -0.000 min
Lab File: VD067991.D
Acq: 04 Jan 2021 13:21

Tgt Ion: 117 Resp: 509842
Ion Ratio Lower Upper
117 100
82 57.3 45.4 68.0
119 31.6 26.7 40.1

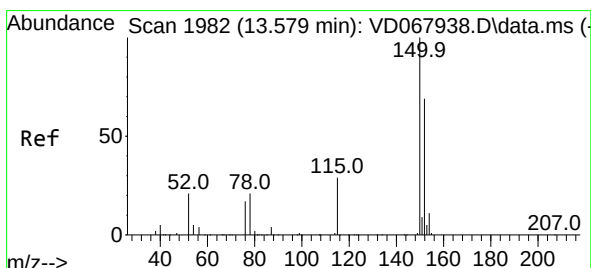
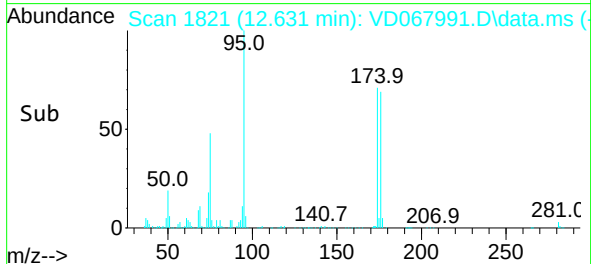
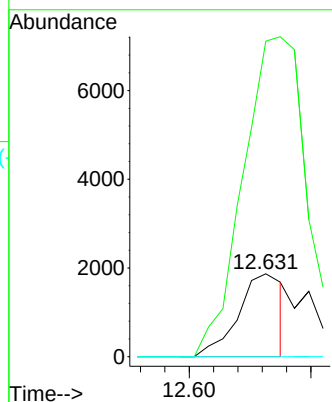
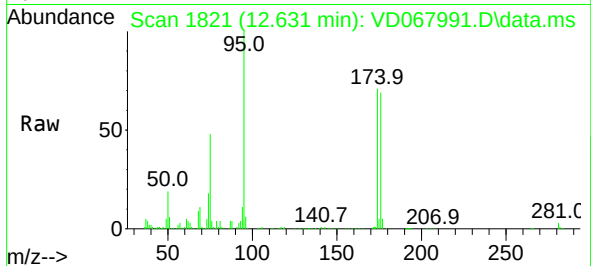




#71
Bromoform
Concen: 1.20 ug/l
RT: 12.631 min Scan# 1821
Delta R.T. 0.270 min
Lab File: VD067991.D
Acq: 04 Jan 2021 13:21

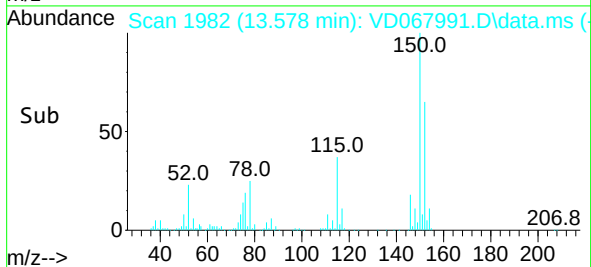
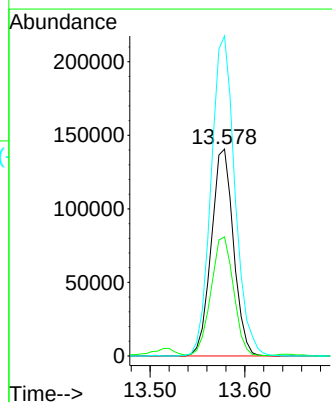
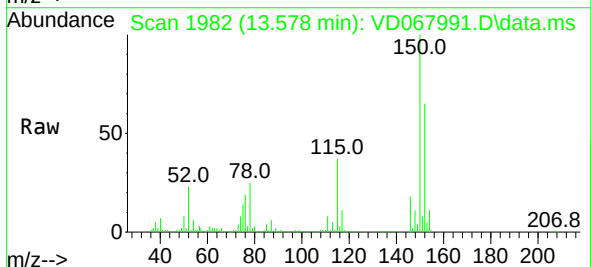
Instrument :
MSVOA_D
ClientSampleId :
VR16125

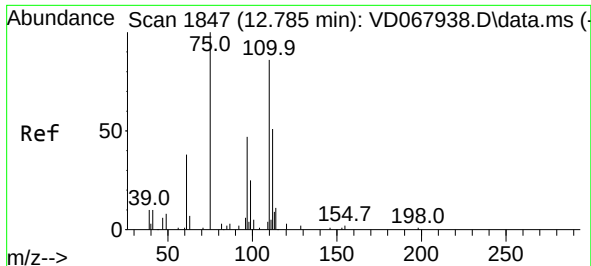
Tgt Ion:173 Resp: 2378
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.578 min Scan# 1982
Delta R.T. -0.000 min
Lab File: VD067991.D
Acq: 04 Jan 2021 13:21

Tgt Ion:152 Resp: 229603
Ion Ratio Lower Upper
152 100
115 58.3 29.3 88.0
150 165.8 0.0 340.0

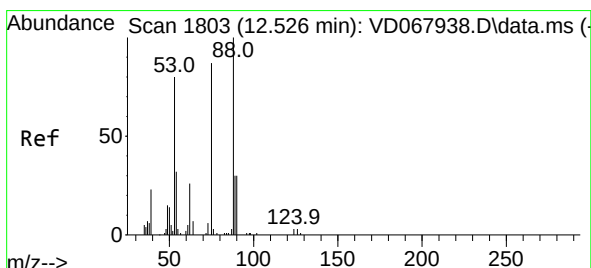
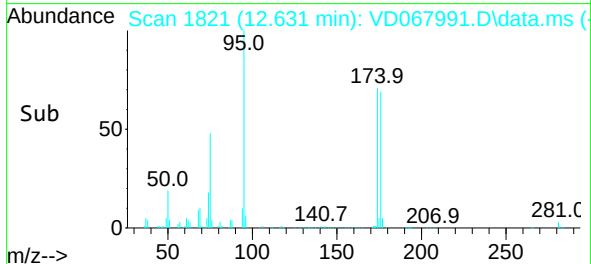
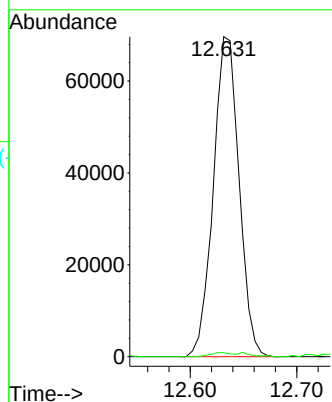
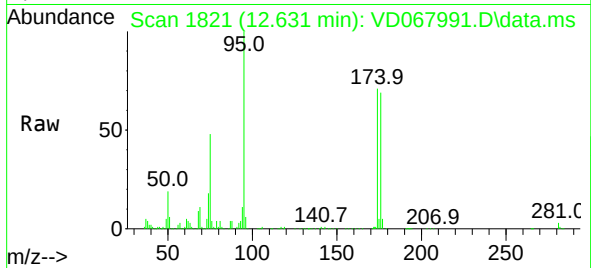




#76
1,2,3-Trichloropropane
Concen: 60.31 ug/l
RT: 12.631 min Scan# 1821
Delta R.T. -0.153 min
Lab File: VD067991.D
Acq: 04 Jan 2021 13:21

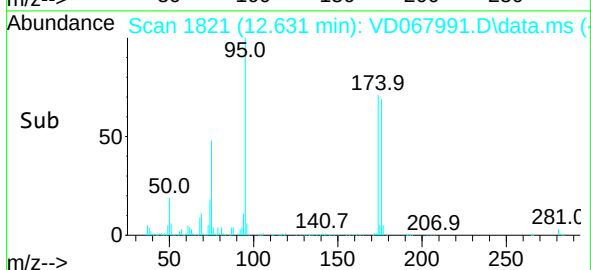
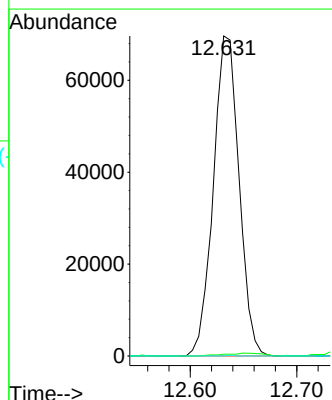
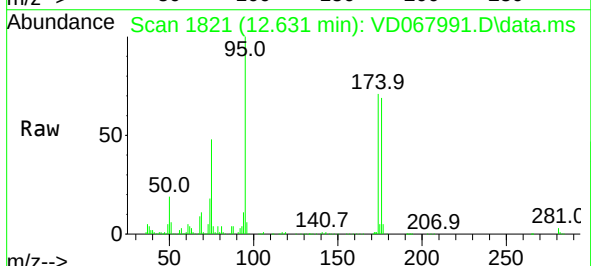
Instrument :
MSVOA_D
ClientSampleId :
VR16125

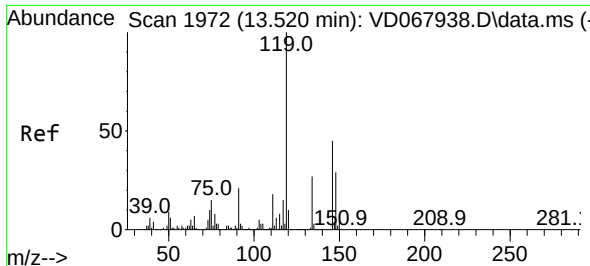
Tgt Ion: 75 Resp: 116584
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 123.62 ug/l
RT: 12.631 min Scan# 1821
Delta R.T. 0.106 min
Lab File: VD067991.D
Acq: 04 Jan 2021 13:21

Tgt Ion: 75 Resp: 116584
Ion Ratio Lower Upper
75 100
53 1.3 74.9 112.3#
89 0.0 33.8 50.8#

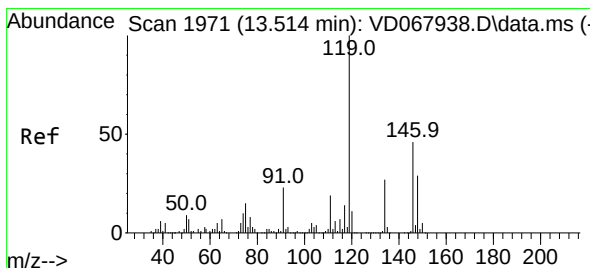
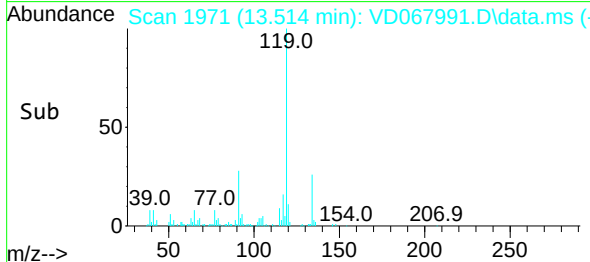
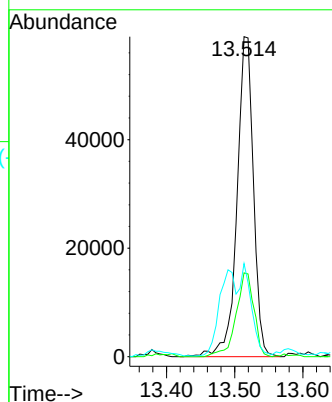
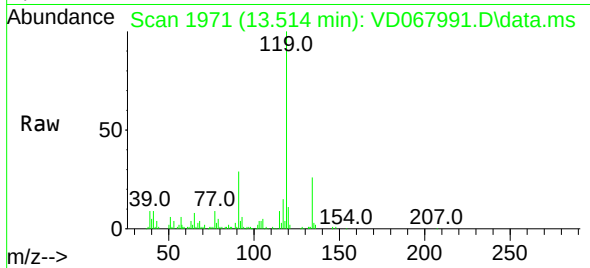




#86
p-Isopropyltoluene
Concen: 6.60 ug/l
RT: 13.514 min Scan# 1971
Delta R.T. -0.006 min
Lab File: VD067991.D
Acq: 04 Jan 2021 13:21

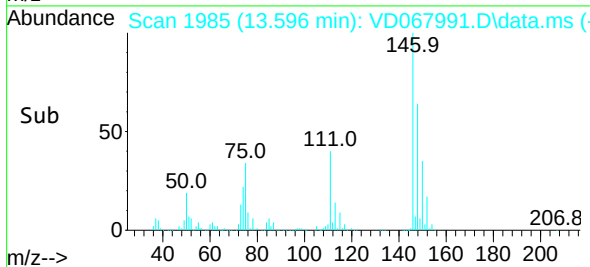
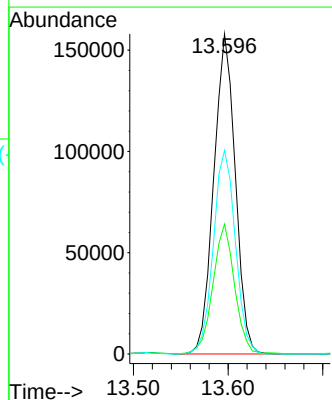
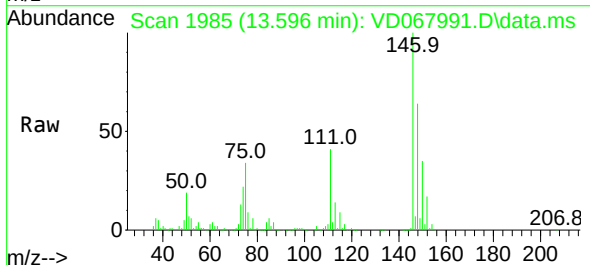
Instrument :
MSVOA_D
ClientSampleId :
VR16125

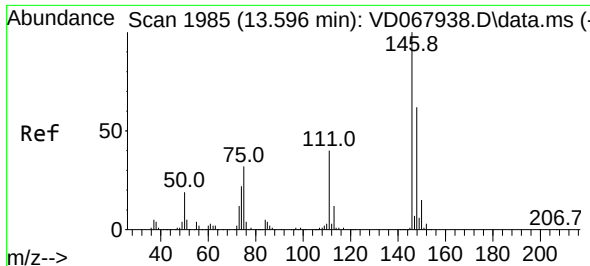
Tgt Ion:119 Resp: 98977
Ion Ratio Lower Upper
119 100
134 28.5 13.3 39.9
91 0.0 11.4 34.2#



#87
1,3-Dichlorobenzene
Concen: 32.17 ug/l
RT: 13.596 min Scan# 1985
Delta R.T. 0.082 min
Lab File: VD067991.D
Acq: 04 Jan 2021 13:21

Tgt Ion:146 Resp: 249365
Ion Ratio Lower Upper
146 100
111 41.0 20.3 60.9
148 65.3 31.8 95.4

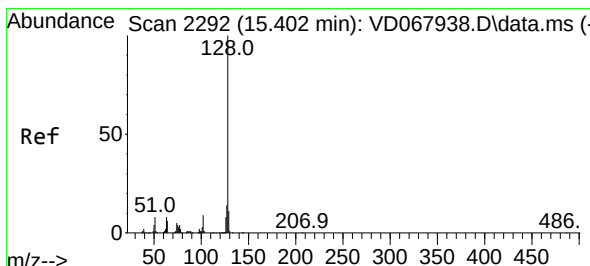
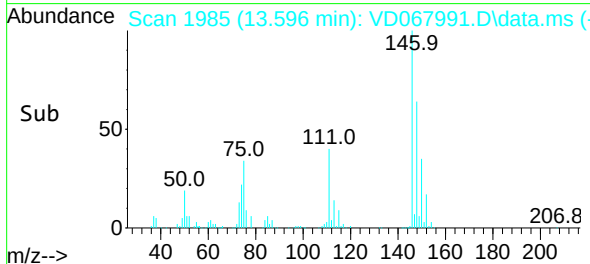
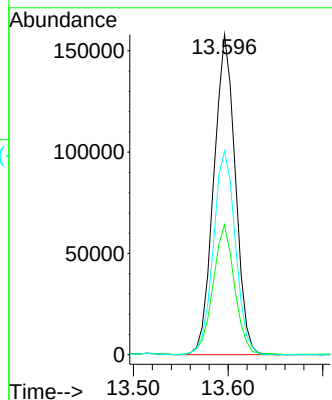
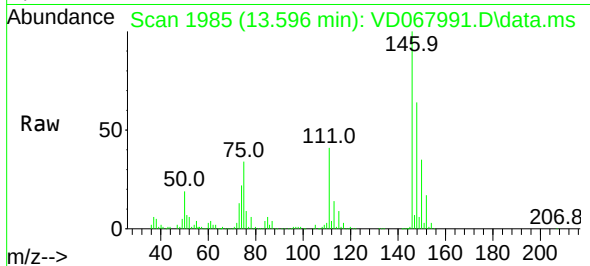




#88
1,4-Dichlorobenzene
Concen: 32.58 ug/l
RT: 13.596 min Scan# 1985
Delta R.T. -0.000 min
Lab File: VD067991.D
Acq: 04 Jan 2021 13:21

Instrument :
MSVOA_D
ClientSampleId :
VR16125

Tgt Ion:146 Resp: 249365
Ion Ratio Lower Upper
146 100
111 41.0 19.4 58.2
148 65.3 31.9 95.9



#95
Naphthalene
Concen: 2.21 ug/l
RT: 15.396 min Scan# 2291
Delta R.T. -0.006 min
Lab File: VD067991.D
Acq: 04 Jan 2021 13:21

Tgt Ion:128 Resp: 15148
Ion Ratio Lower Upper
128 100
127 16.3 11.2 16.8
129 11.3 8.6 12.8

