

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD082621\
 Data File : VD070267.D
 Acq On : 26 Aug 2021 13:22
 Operator : VA/SY
 Sample : M3540-01RE
 Misc : 5.05G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OR-2-082521RE

Quant Time: Aug 27 01:23:20 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D081321S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 14 02:33:51 2021
 Response via : Initial Calibration

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

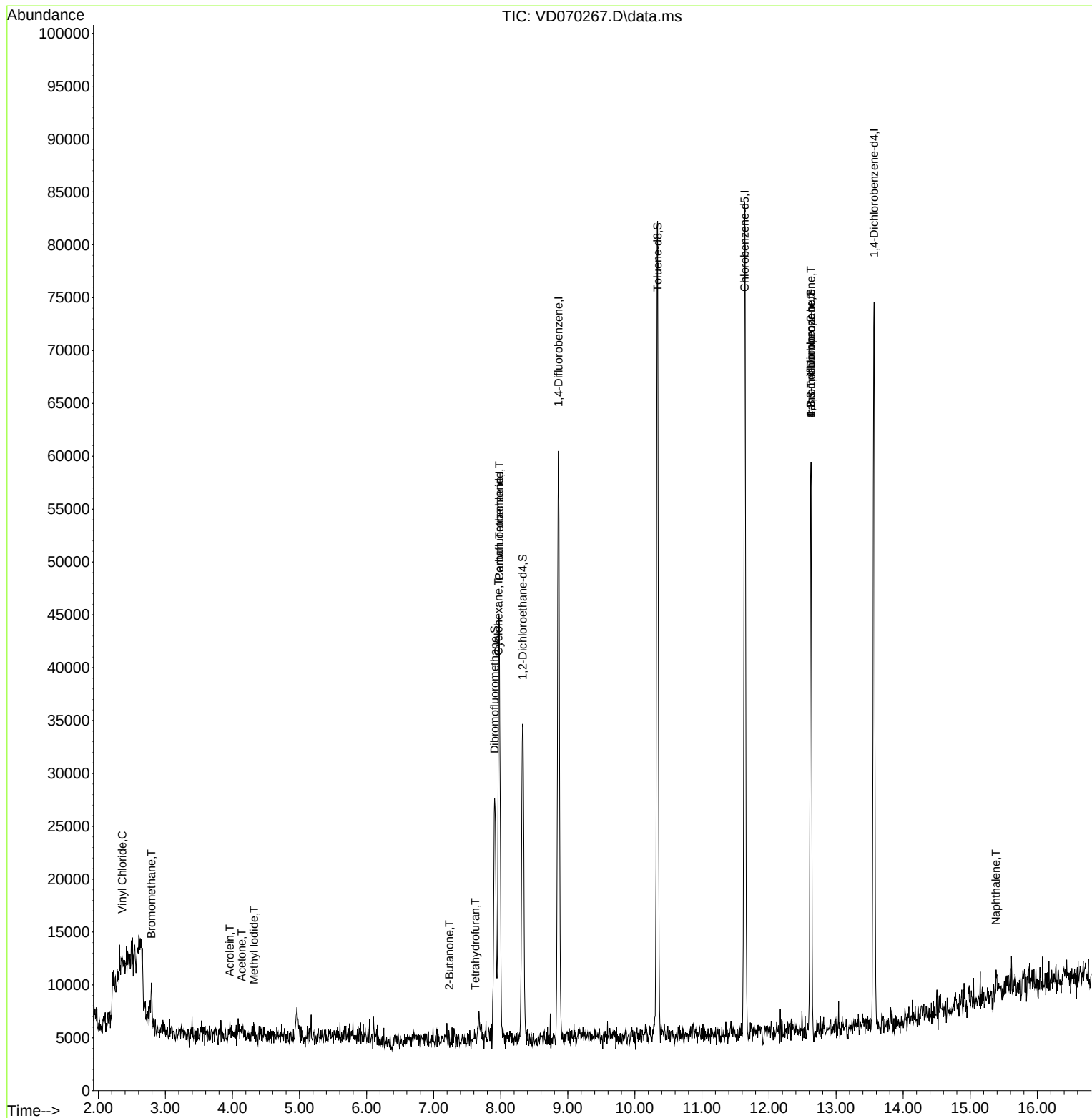
Internal Standards						
1) Pentafluorobenzene	7.979	168	29181	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	49665	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	45687	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	19164	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	24555	71.544	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 143.080%			
35) Dibromofluoromethane	7.909	113	17114	53.337	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.680%			
50) Toluene-d8	10.338	98	54641	43.783	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 87.560%			
62) 4-Bromofluorobenzene	12.626	95	17782	43.259	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 86.520%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.209	50	1438	Below Cal	#	42
4) Vinyl Chloride	2.356	62	685	1.387	ug/l #	43
5) Bromomethane	2.791	94	2264	4.459	ug/l	98
10) Methyl Iodide	4.320	142	1497	4.339	ug/l #	52
13) Acrolein	3.962	56	58	2.654	ug/l #	14
16) Acetone	4.138	43	449	7.102	ug/l #	27
20) Methylene Chloride	4.968	84	1165	Below Cal	#	92
25) 2-Butanone	7.232	43	95	1.100	ug/l #	44
29) Tetrahydrofuran	7.620	42	62	1.096	ug/l #	32
31) Cyclohexane	7.967	56	807	1.188	ug/l #	38
38) Carbon Tetrachloride	7.979	117	3279	6.760	ug/l #	10
76) 1,2,3-Trichloropropane	12.626	75	8802	45.290	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	8802	117.555	ug/l #	17
95) Naphthalene	15.385	128	681	1.191	ug/l #	69

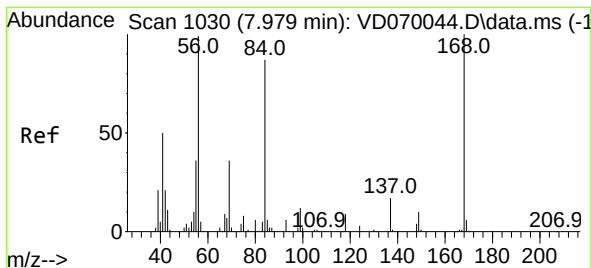
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. 0.000 min

Lab File: VD070267.D

Acq: 26 Aug 2021 13:22

Tgt Ion:168 Resp: 29181

Ion Ratio Lower Upper

168 100

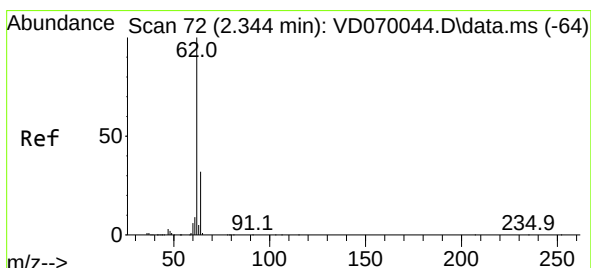
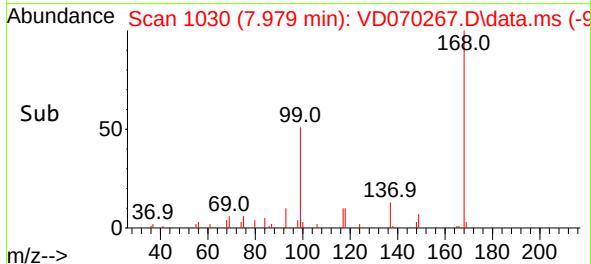
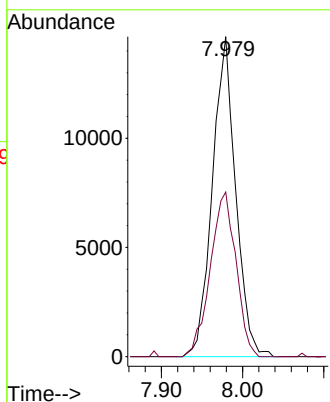
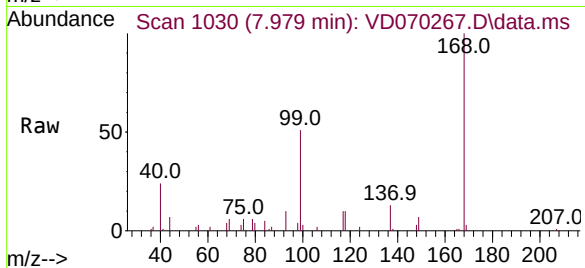
99 51.4 50.3 75.5

Instrument :

MSVOA_D

ClientSampleId :

OR-2-082521RE



#4

Vinyl Chloride

Concen: 1.387 ug/l

RT: 2.356 min Scan# 74

Delta R.T. 0.012 min

Lab File: VD070267.D

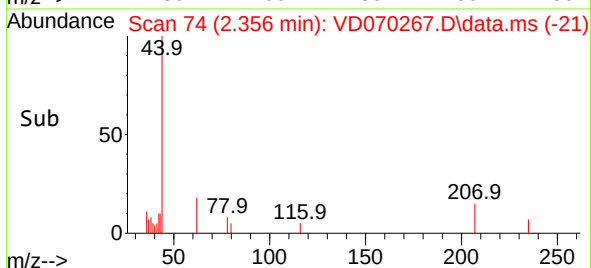
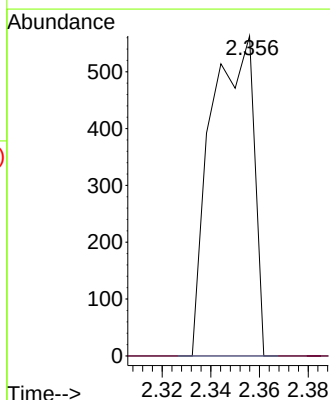
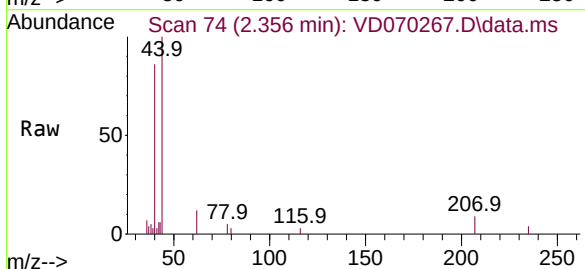
Acq: 26 Aug 2021 13:22

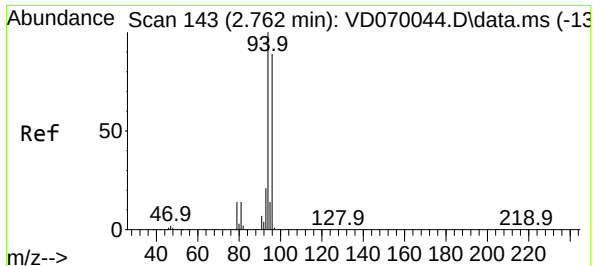
Tgt Ion: 62 Resp: 685

Ion Ratio Lower Upper

62 100

64 0.0 25.7 38.5#

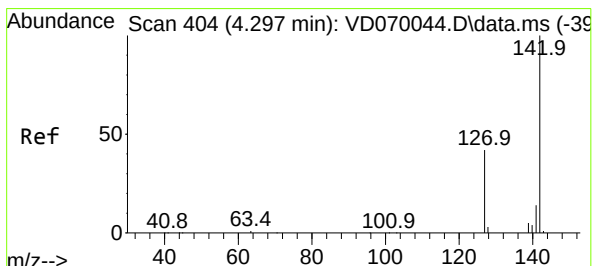
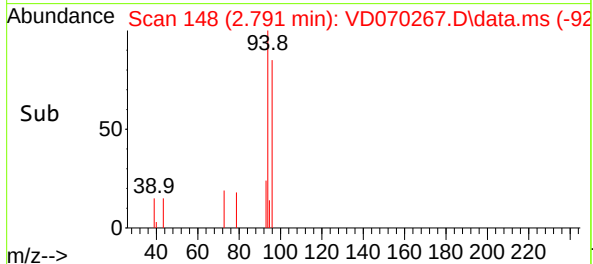
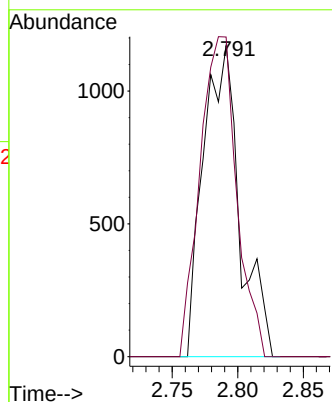
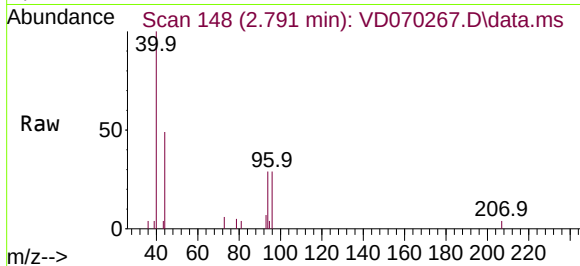




#5
Bromomethane
Concen: 4.459 ug/l
RT: 2.791 min Scan# 148
Delta R.T. 0.029 min
Lab File: VD070267.D
Acq: 26 Aug 2021 13:22

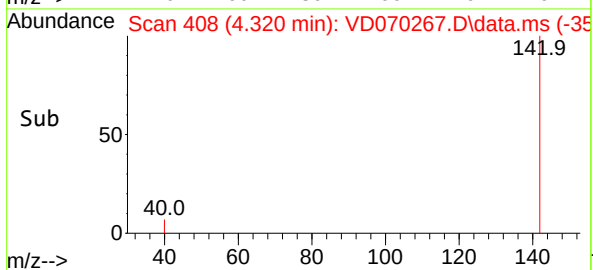
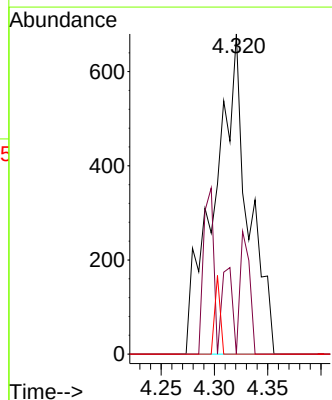
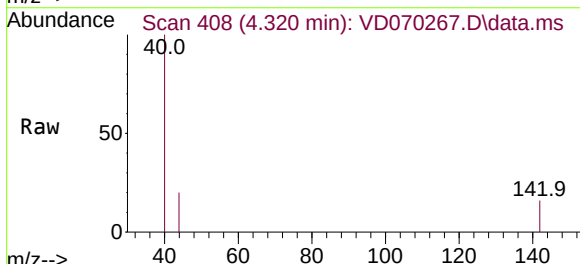
Instrument :
MSVOA_D
ClientSampleId :
OR-2-082521RE

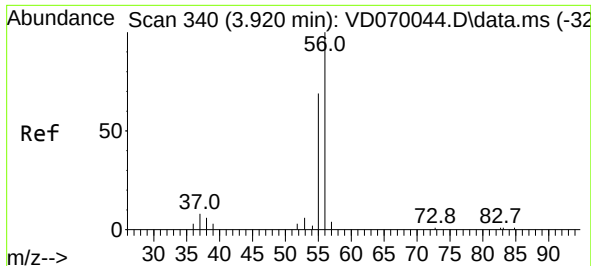
Tgt Ion: 94 Resp: 2264
Ion Ratio Lower Upper
94 100
96 90.2 70.9 106.3



#10
Methyl Iodide
Concen: 4.339 ug/l
RT: 4.320 min Scan# 408
Delta R.T. 0.024 min
Lab File: VD070267.D
Acq: 26 Aug 2021 13:22

Tgt Ion: 142 Resp: 1497
Ion Ratio Lower Upper
142 100
127 10.8 35.4 53.0#
141 0.0 12.1 18.1#

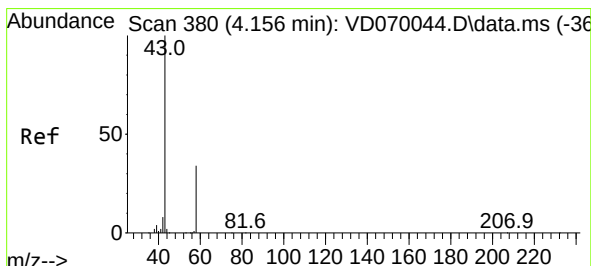
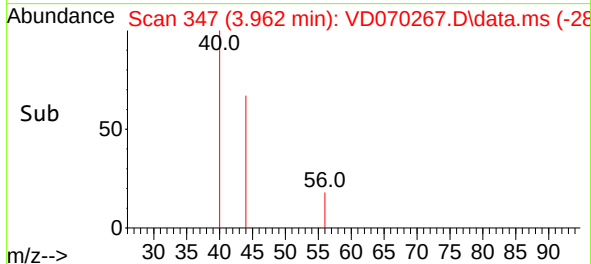
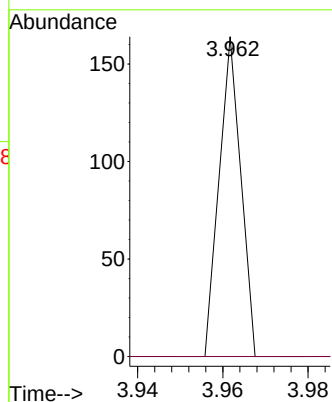
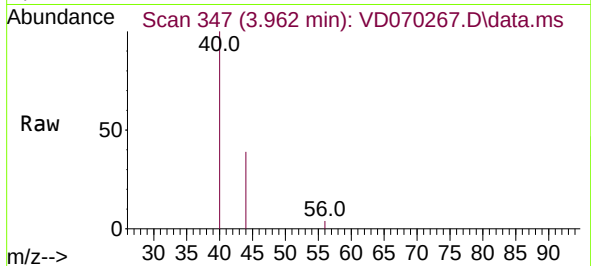




#13
Acrolein
Concen: 2.654 ug/l
RT: 3.962 min Scan# 347
Delta R.T. 0.041 min
Lab File: VD070267.D
Acq: 26 Aug 2021 13:22

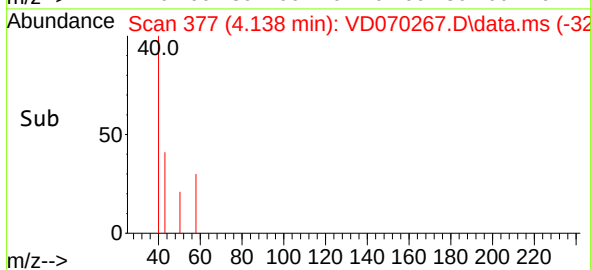
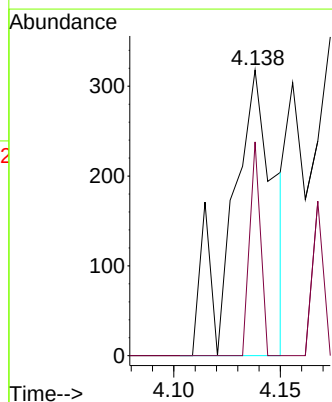
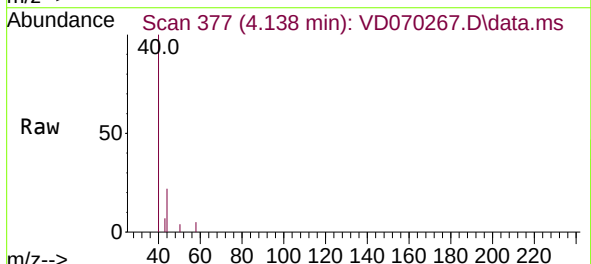
Instrument :
MSVOA_D
ClientSampleId :
OR-2-082521RE

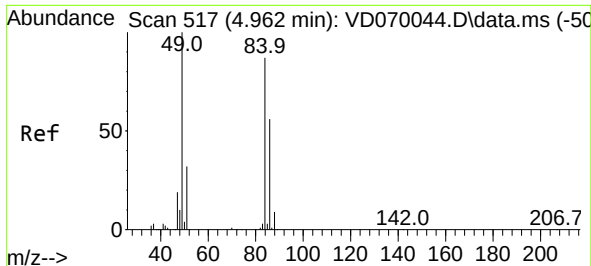
Tgt Ion: 56 Resp: 58
Ion Ratio Lower Upper
56 100
55 0.0 57.4 86.0#



#16
Acetone
Concen: 7.102 ug/l
RT: 4.138 min Scan# 377
Delta R.T. -0.018 min
Lab File: VD070267.D
Acq: 26 Aug 2021 13:22

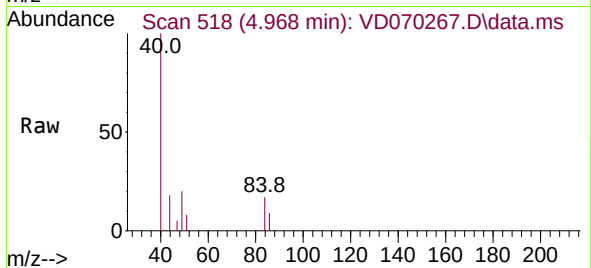
Tgt Ion: 43 Resp: 449
Ion Ratio Lower Upper
43 100
58 74.8 26.8 40.2#



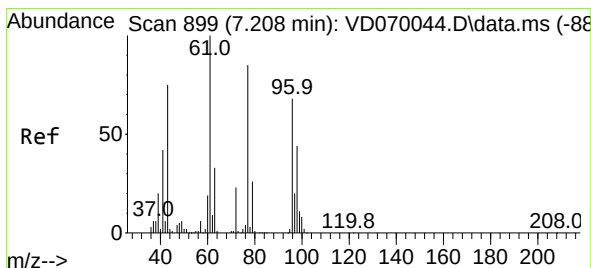
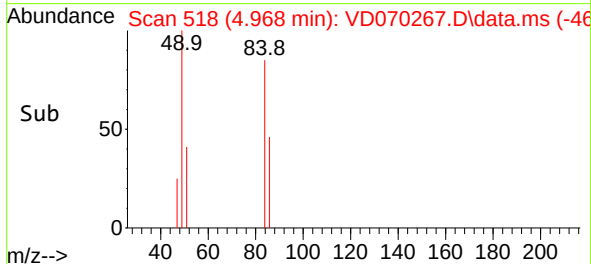
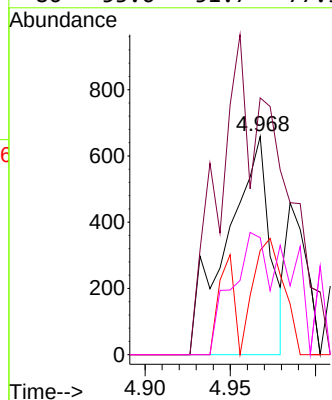


#20
Methylene Chloride
Concen: Below Cal
RT: 4.968 min Scan# 518
Delta R.T. 0.006 min
Lab File: VD070267.D
Acq: 26 Aug 2021 13:22

Instrument :
MSVOA_D
ClientSampleId :
OR-2-082521RE

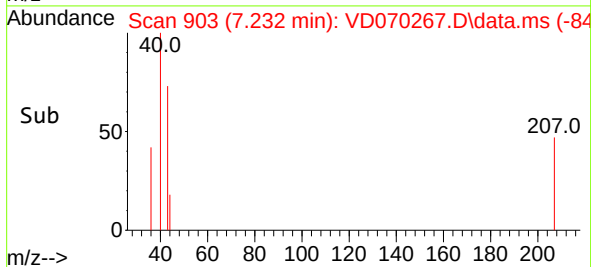
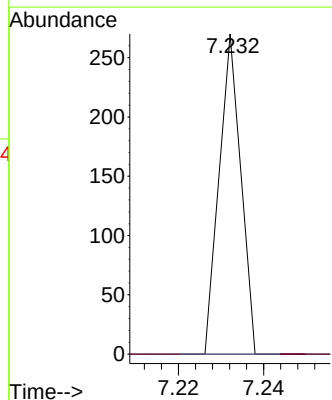
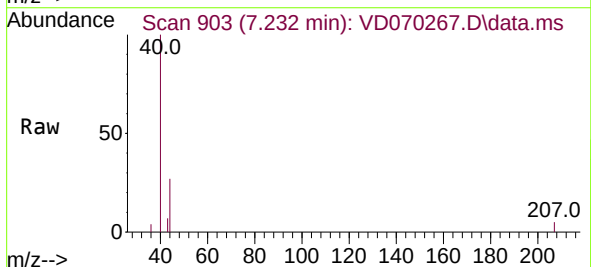


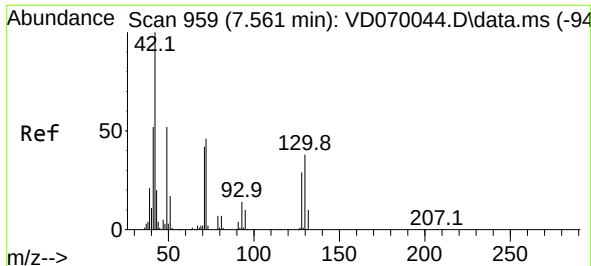
Tgt Ion:	84	Resp:	1165
Ion	Ratio	Lower	Upper
84	100		
49	117.6	92.5	138.7
51	47.8	29.7	44.5#
86	53.6	51.7	77.5



#25
2-Butanone
Concen: 1.100 ug/l
RT: 7.232 min Scan# 903
Delta R.T. 0.024 min
Lab File: VD070267.D
Acq: 26 Aug 2021 13:22

Tgt Ion:	43	Resp:	95
Ion	Ratio	Lower	Upper
43	100		
72	0.0	24.2	36.4#





#29

Tetrahydrofuran

Concen: 1.096 ug/l

RT: 7.620 min Scan# 969

Delta R.T. 0.059 min

Lab File: VD070267.D

Acq: 26 Aug 2021 13:22

Tgt Ion: 42 Resp: 62

Ion Ratio Lower Upper

42 100

72 0.0 37.5 56.3#

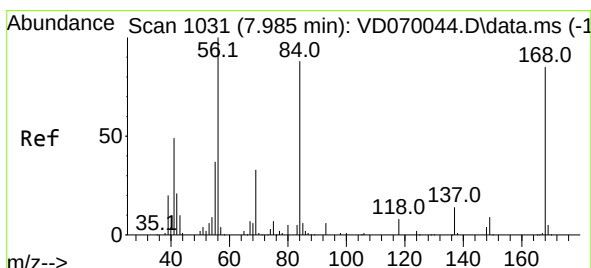
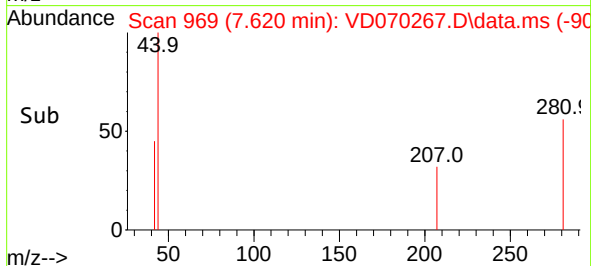
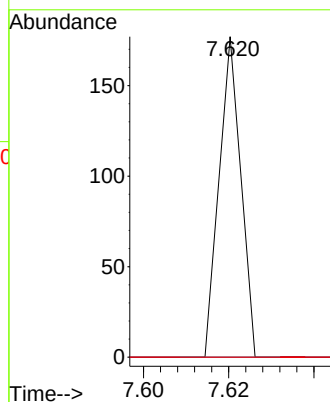
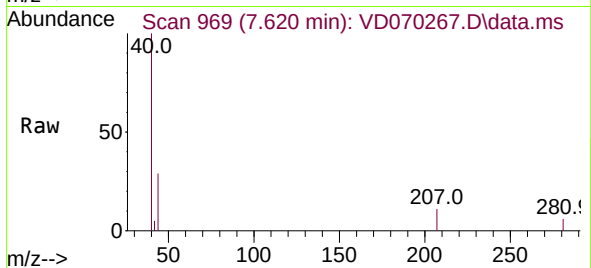
71 0.0 33.6 50.4#

Instrument :

MSVOA_D

ClientSampleId :

OR-2-082521RE



#31

Cyclohexane

Concen: 1.188 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.018 min

Lab File: VD070267.D

Acq: 26 Aug 2021 13:22

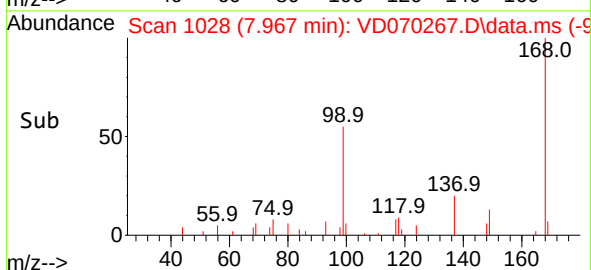
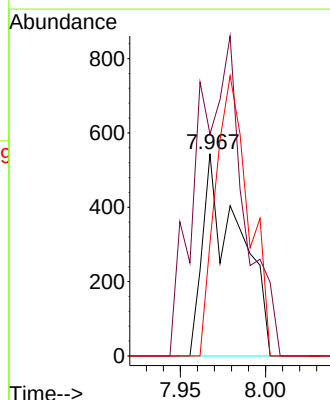
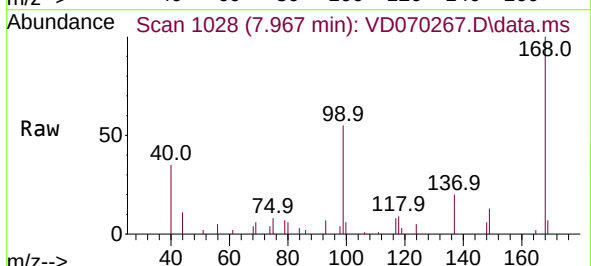
Tgt Ion: 56 Resp: 807

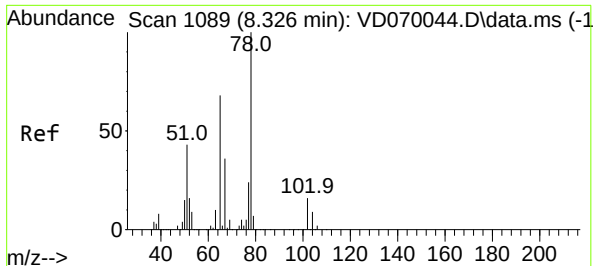
Ion Ratio Lower Upper

56 100

69 109.7 26.7 40.1#

84 55.9 70.4 105.6#



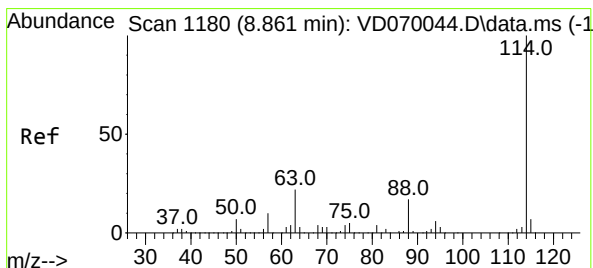
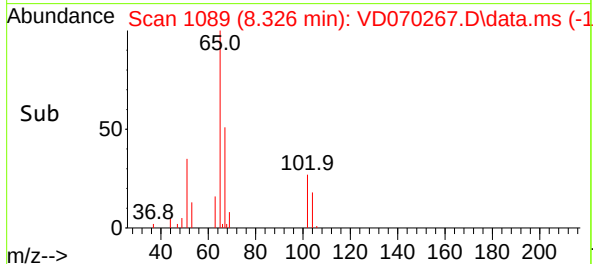
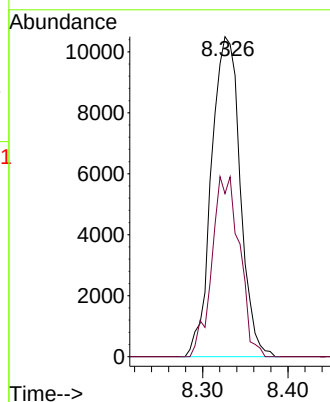
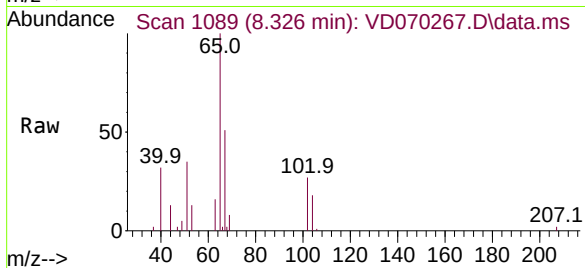


#33

1,2-Dichloroethane-d4
Concen: 71.544 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD070267.D
Acq: 26 Aug 2021 13:22

Instrument :
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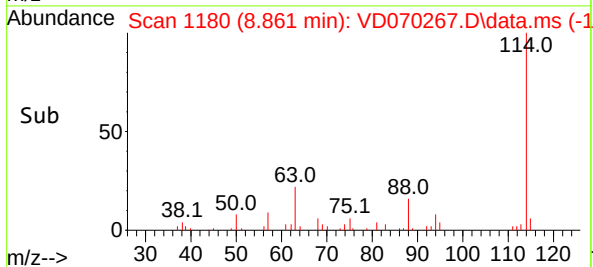
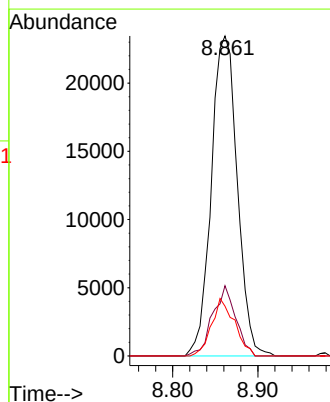
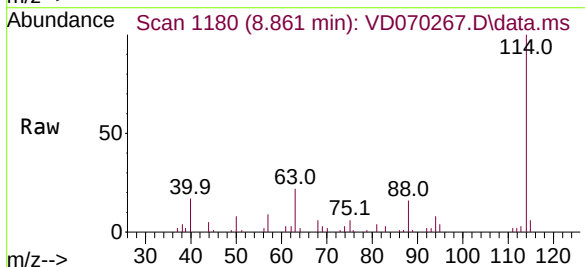
Tgt Ion: 65 Resp: 24555
Ion Ratio Lower Upper
65 100
67 54.2 0.0 107.8

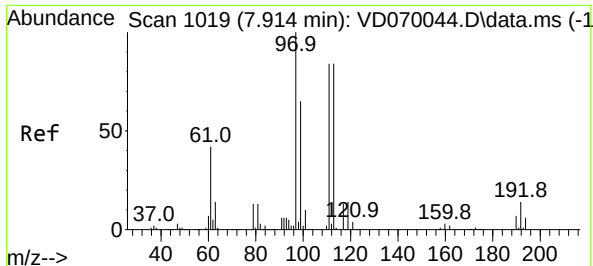


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD070267.D
Acq: 26 Aug 2021 13:22

Tgt Ion: 114 Resp: 49665
Ion Ratio Lower Upper
114 100
63 21.9 0.0 43.6
88 15.6 0.0 33.4

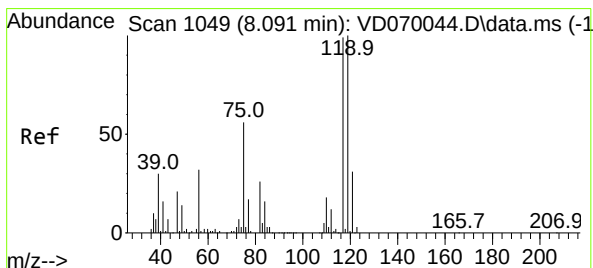
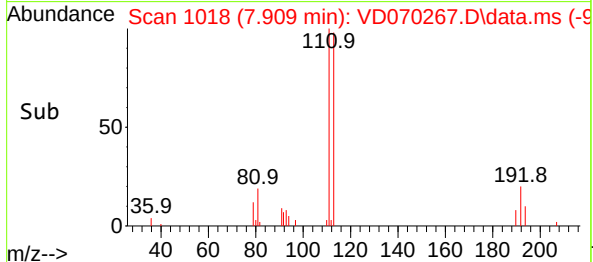
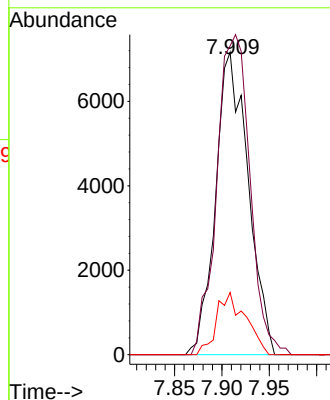
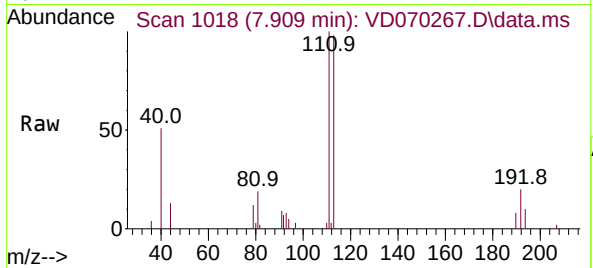




#35
Dibromofluoromethane
Concen: 53.337 ug/l
RT: 7.909 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VD070267.D
Acq: 26 Aug 2021 13:22

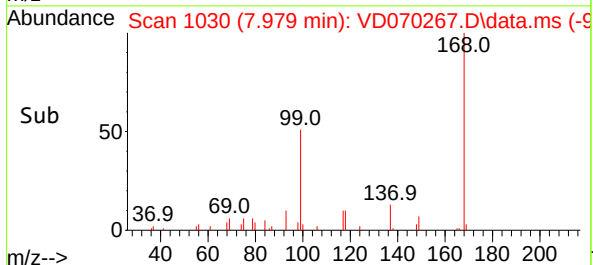
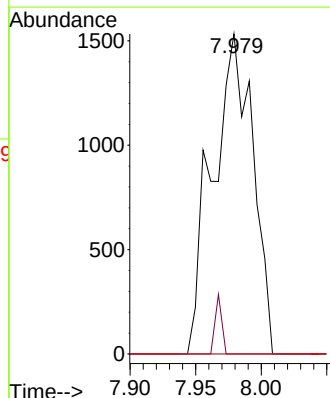
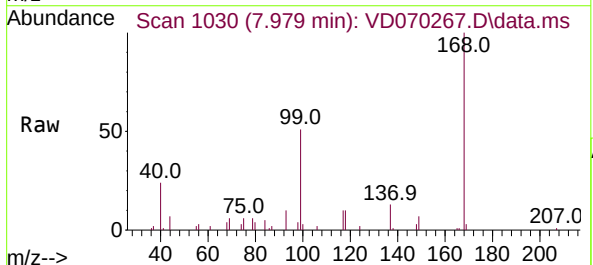
Instrument :
MSVOA_D
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OR-2-082521RE

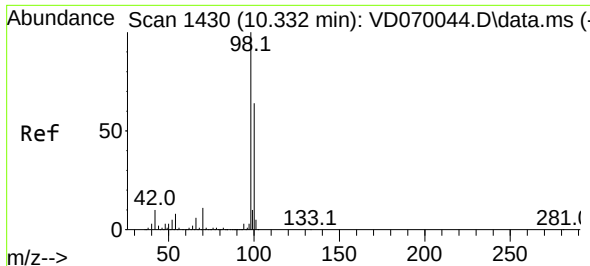
Tgt Ion:	113	Resp:	17114
Ion	Ratio	Lower	Upper
113	100		
111	108.0	81.8	122.6
192	18.3	13.2	19.8



#38
Carbon Tetrachloride
Concen: 6.760 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.112 min
Lab File: VD070267.D
Acq: 26 Aug 2021 13:22

Tgt Ion:	117	Resp:	3279
Ion	Ratio	Lower	Upper
117	100		
119	0.0	81.0	121.6#
121	0.0	25.0	37.6#

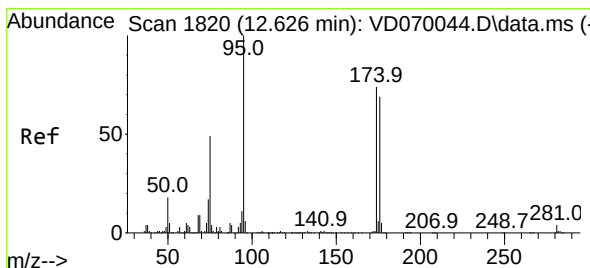
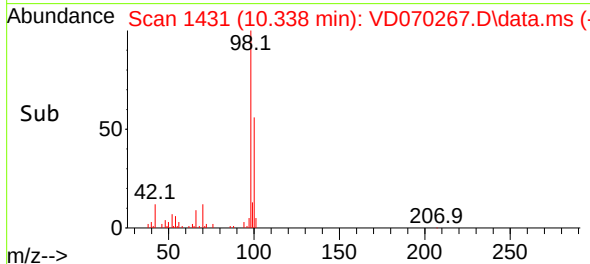
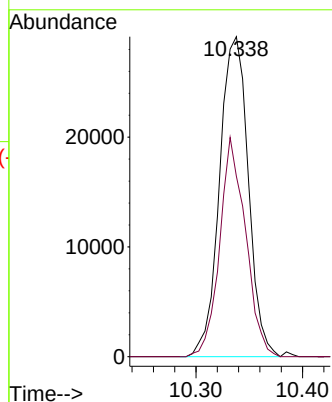
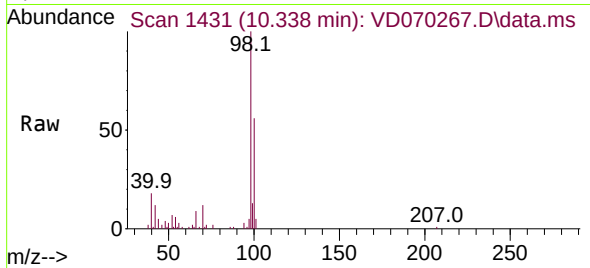




#50
Toluene-d8
Concen: 43.783 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VD070267.D
Acq: 26 Aug 2021 13:22

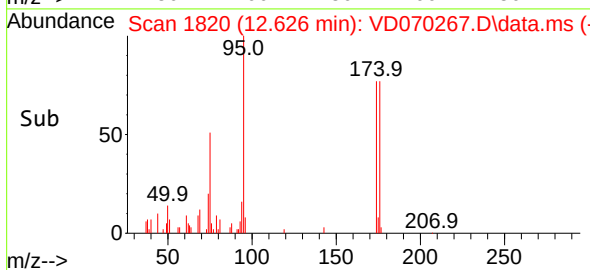
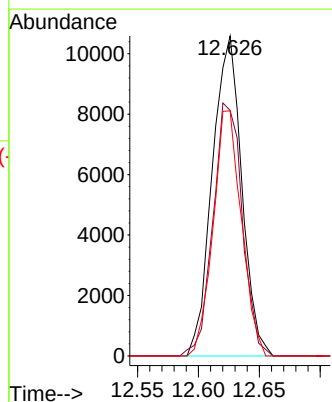
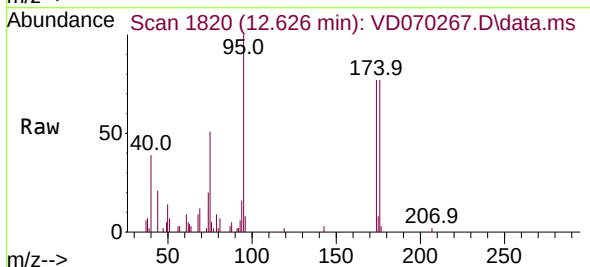
Instrument :
MSVOA_D
ClientSampleId :
OR-2-082521RE

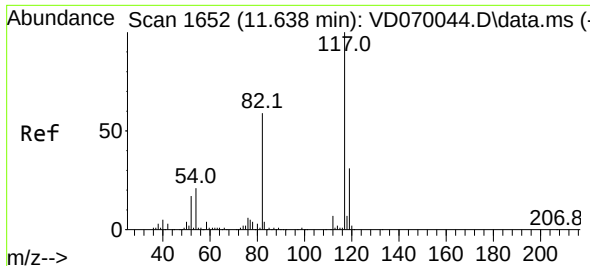
Tgt Ion: 98 Resp: 54641
Ion Ratio Lower Upper
98 100
100 61.6 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 43.259 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD070267.D
Acq: 26 Aug 2021 13:22

Tgt Ion: 95 Resp: 17782
Ion Ratio Lower Upper
95 100
174 78.5 0.0 141.6
176 73.7 0.0 138.2

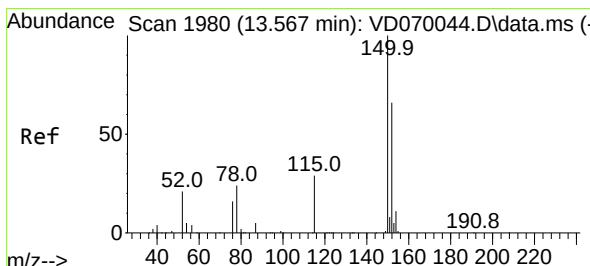
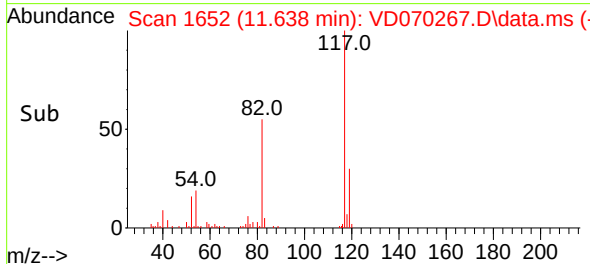
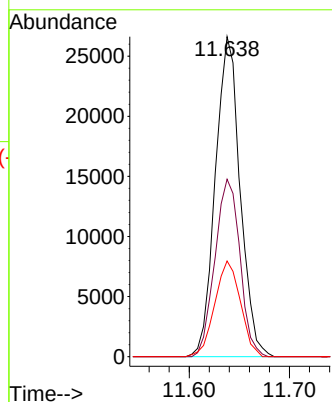
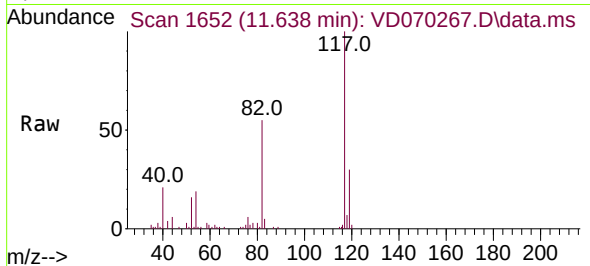




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070267.D
Acq: 26 Aug 2021 13:22

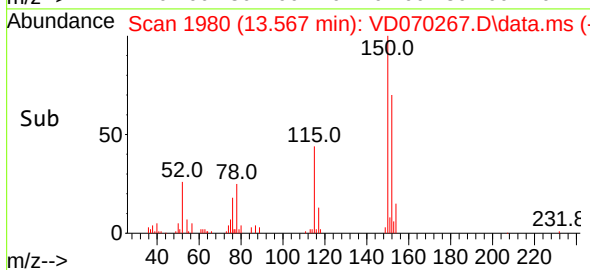
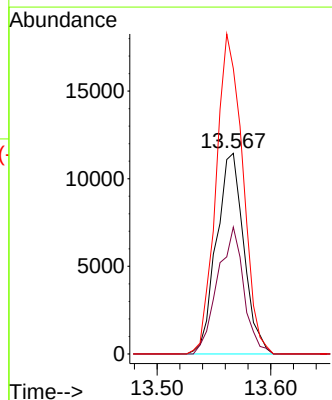
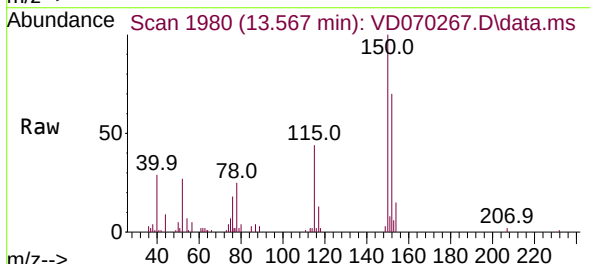
Instrument :
MSVOA_D
ClientSampleId :
OR-2-082521RE

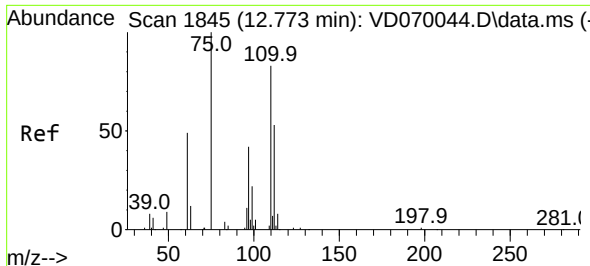
Tgt Ion:	117	Resp:	45687
Ion Ratio	Lower	Upper	
117	100		
82	55.4	47.5	71.3
119	29.9	25.1	37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD070267.D
Acq: 26 Aug 2021 13:22

Tgt Ion:	152	Resp:	19164
Ion Ratio	Lower	Upper	
152	100		
115	60.5	31.2	93.6
150	155.8	0.0	352.0

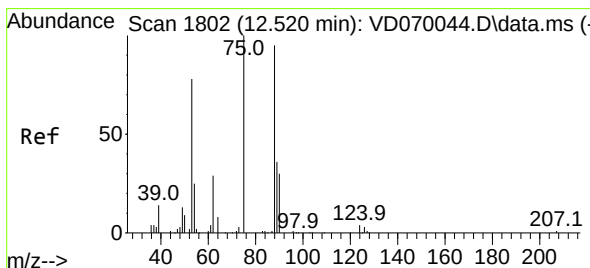
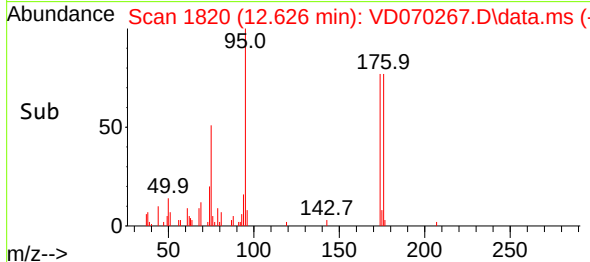
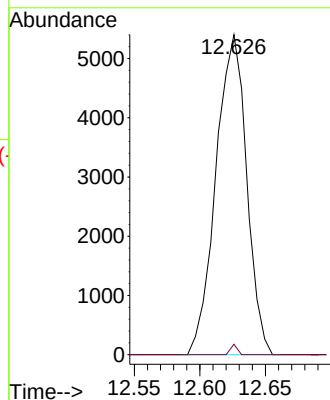
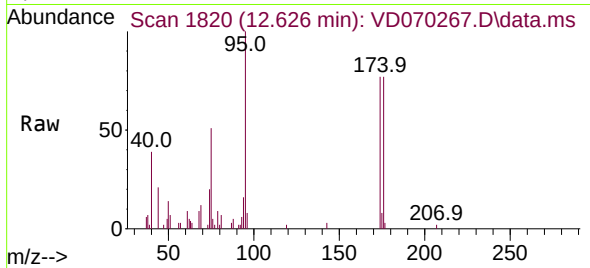




#76
1,2,3-Trichloropropane
Concen: 45.290 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070267.D
Acq: 26 Aug 2021 13:22

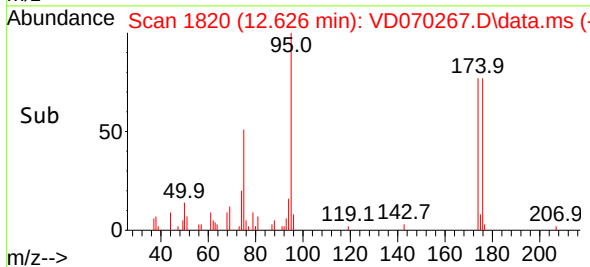
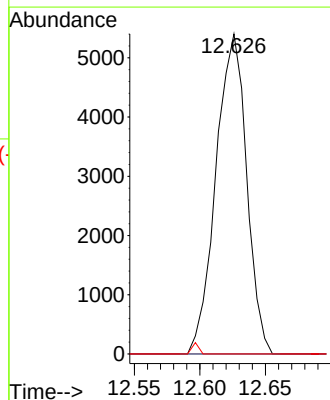
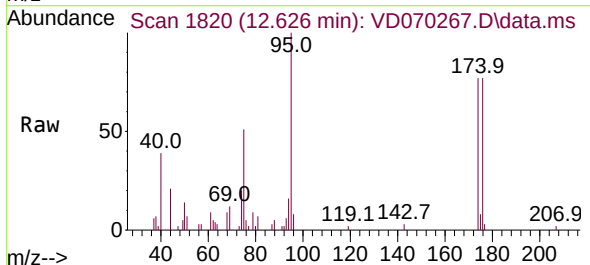
Instrument :
MSVOA_D
ClientSampleId :
OR-2-082521RE

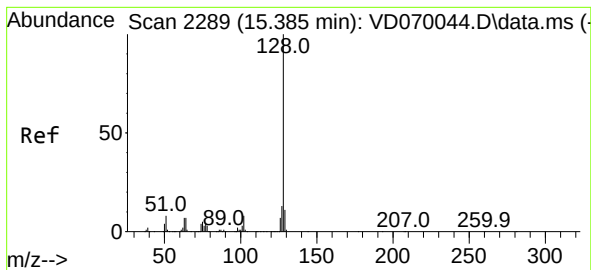
Tgt Ion: 75 Resp: 8802
Ion Ratio Lower Upper
75 100
77 0.7 182.4 547.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 117.555 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070267.D
Acq: 26 Aug 2021 13:22

Tgt Ion: 75 Resp: 8802
Ion Ratio Lower Upper
75 100
53 0.0 64.5 96.7#
89 0.0 33.7 50.5#





#95
Naphthalene
Concen: 1.191 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. 0.000 min
Lab File: VD070267.D
Acq: 26 Aug 2021 13:22

Instrument :
MSVOA_D
ClientSampleId :
OR-2-082521RE

Tgt Ion:128 Resp: 681
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.3 12.5#

