

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032122\
 Data File : VD072345.D
 Acq On : 21 Mar 2022 17:33
 Operator : VA/SY
 Sample : N1962-01RE
 Misc : 5.02G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 C-16-15-16RE

Quant Time: Mar 22 02:13:06 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 14 05:18:06 2022
 Response via : Initial Calibration

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

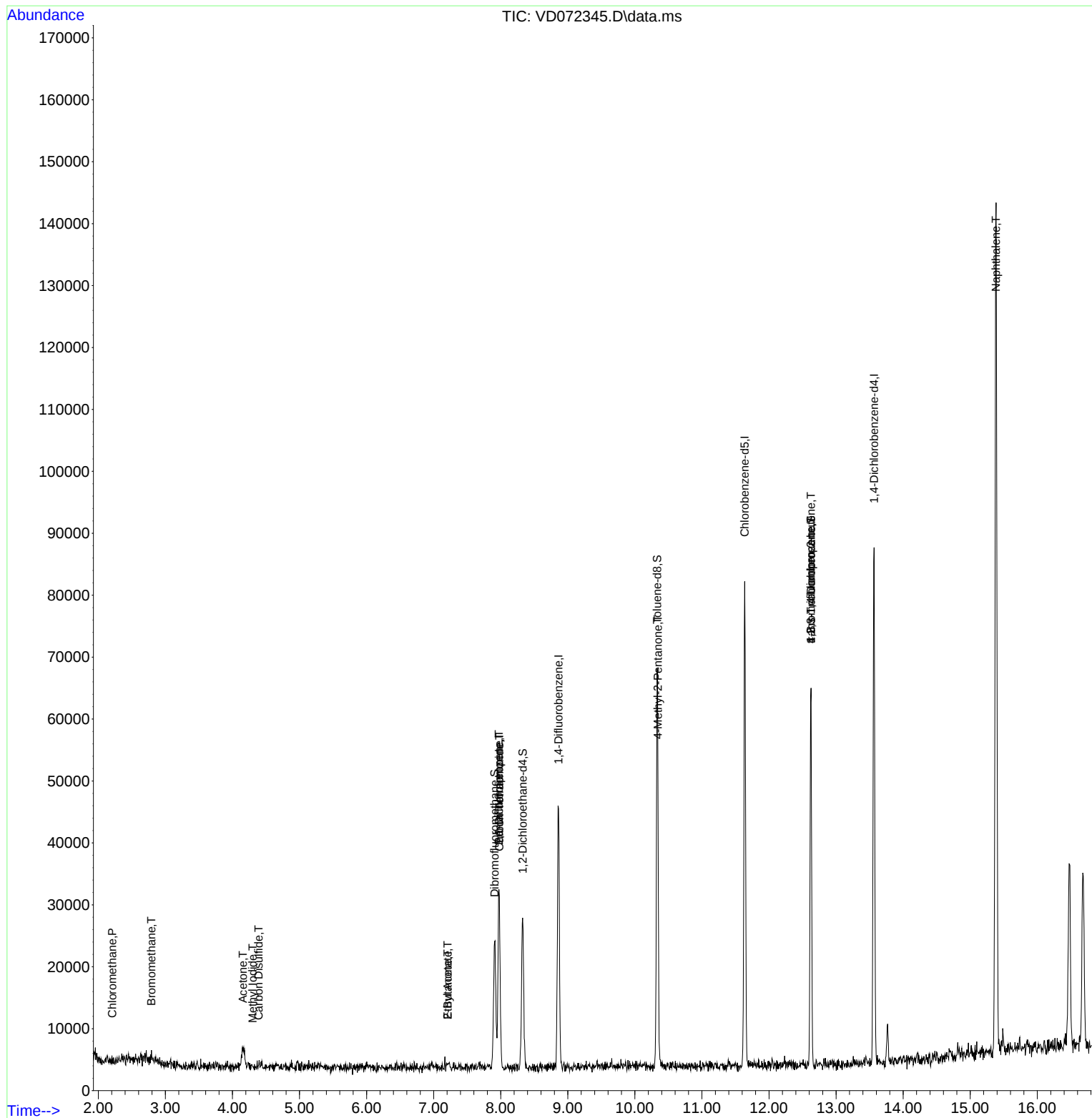
Internal Standards						
1) Pentafluorobenzene	7.973	168	21807	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	35481	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	44554	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	22072	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	19279	79.329	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 158.660%			
35) Dibromofluoromethane	7.909	113	14830	59.395	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 118.800%			
50) Toluene-d8	10.332	98	45153	49.457	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 98.920%			
62) 4-Bromofluorobenzene	12.626	95	19014	53.600	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 107.200%			
Target Compounds			Qvalue			
3) Chloromethane	2.209	50	203	1.133	ug/l #	40
5) Bromomethane	2.791	94	355	3.151	ug/l #	56
10) Methyl Iodide	4.303	142	247	3.284	ug/l #	38
16) Acetone	4.156	43	5871	111.265	ug/l #	80
17) Carbon Disulfide	4.391	76	394	2.318	ug/l #	74
20) Methylene Chloride	4.979	84	62	Below Cal	#	61
25) 2-Butanone	7.209	43	1387	19.715	ug/l	94
36) 1,1-Dichloropropene	7.973	75	1560	4.454	ug/l #	43
37) Ethyl Acetate	7.209	43	1387	9.040	ug/l #	72
38) Carbon Tetrachloride	7.979	117	2582	6.485	ug/l #	13
51) 4-Methyl-2-Pentanone	10.344	43	178	1.138	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	9957	40.896	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	9957	101.466	ug/l #	7
95) Naphthalene	15.385	128	125329	152.662	ug/l	100

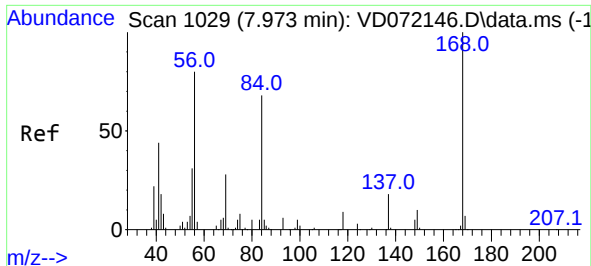
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Mar 14 05:18:06 2022
Response via : Initial Calibration

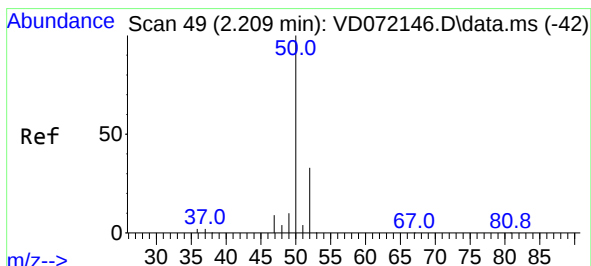
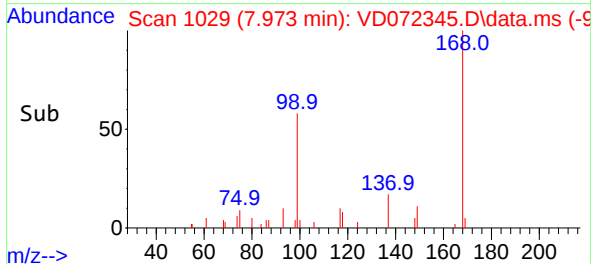
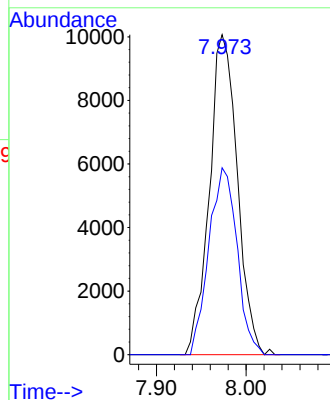
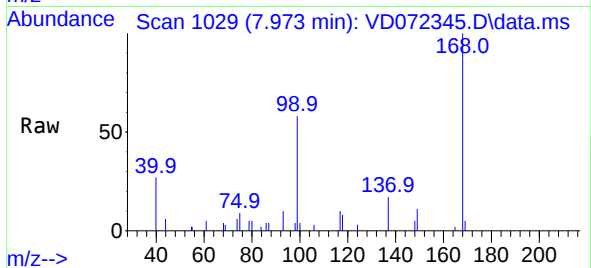




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD072345.D
Acq: 21 Mar 2022 17:33

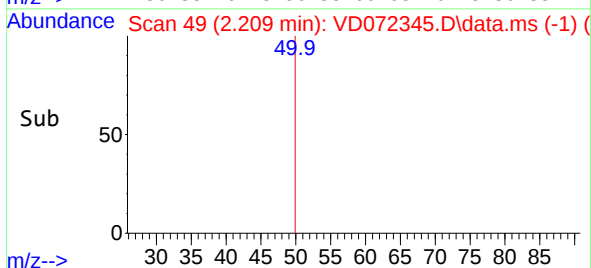
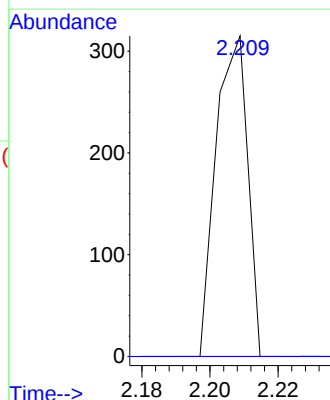
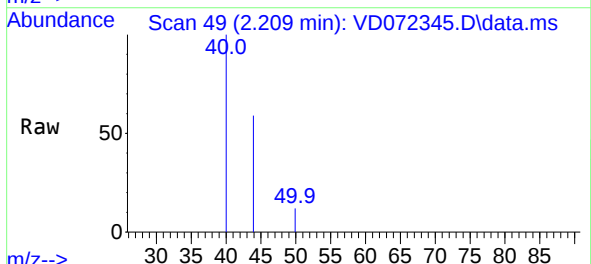
Instrument :
MSVOA_D
ClientSampleId :
C-16-15-16RE

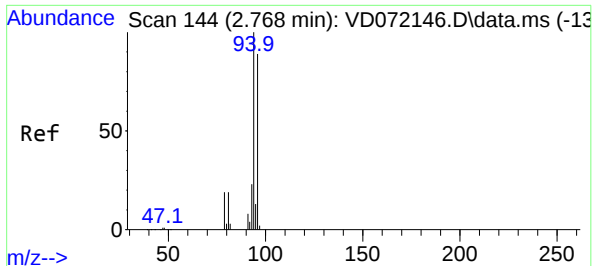
Tgt Ion:168 Resp: 21807
Ion Ratio Lower Upper
168 100
99 58.4 49.8 74.6



#3
Chloromethane
Concen: 1.133 ug/l
RT: 2.209 min Scan# 49
Delta R.T. 0.000 min
Lab File: VD072345.D
Acq: 21 Mar 2022 17:33

Tgt Ion: 50 Resp: 203
Ion Ratio Lower Upper
50 100
52 0.0 27.4 41.0#

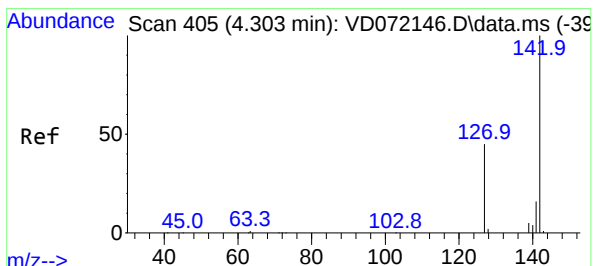
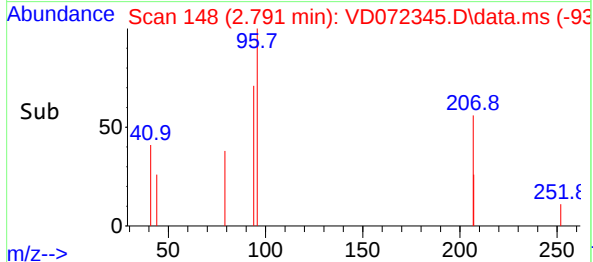
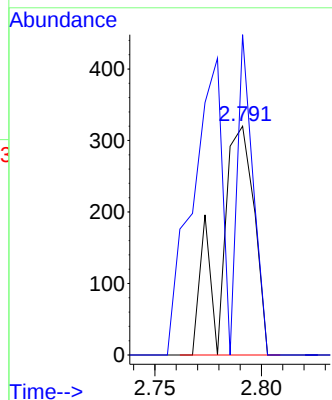
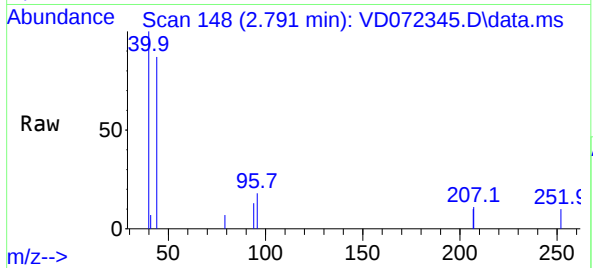




#5
Bromomethane
Concen: 3.151 ug/l
RT: 2.791 min Scan# 144
Delta R.T. 0.024 min
Lab File: VD072345.D
Acq: 21 Mar 2022 17:33

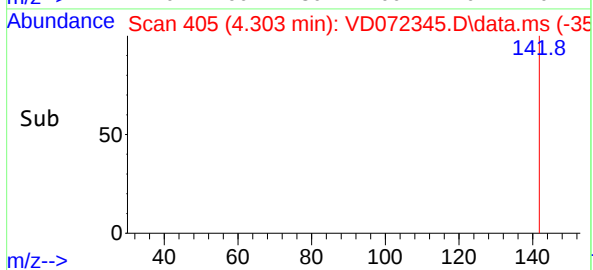
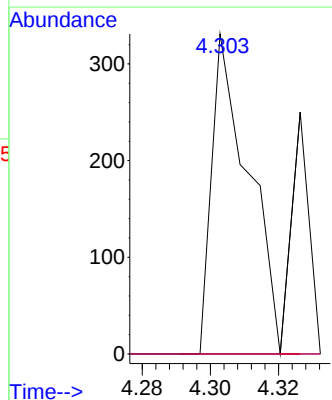
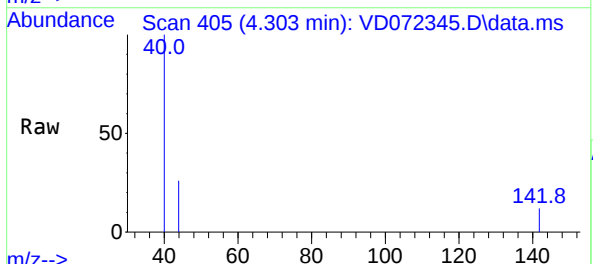
Instrument :
MSVOA_D
ClientSampleId :
C-16-15-16RE

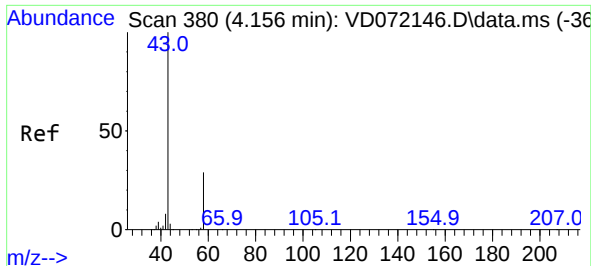
Tgt Ion: 94 Resp: 355
Ion Ratio Lower Upper
94 100
96 140.0 77.6 116.4#



#10
Methyl Iodide
Concen: 3.284 ug/l
RT: 4.303 min Scan# 405
Delta R.T. -0.000 min
Lab File: VD072345.D
Acq: 21 Mar 2022 17:33

Tgt Ion: 142 Resp: 247
Ion Ratio Lower Upper
142 100
127 0.0 37.3 55.9#
141 0.0 11.7 17.5#

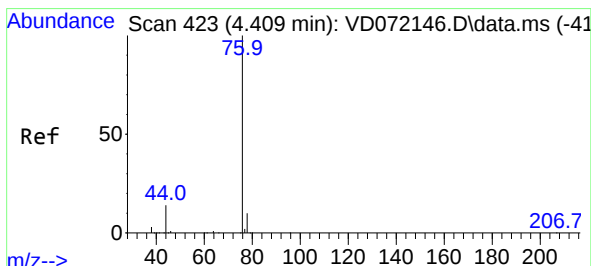
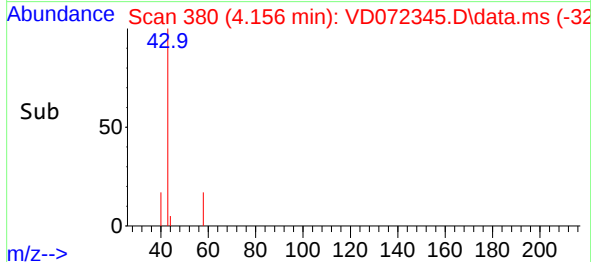
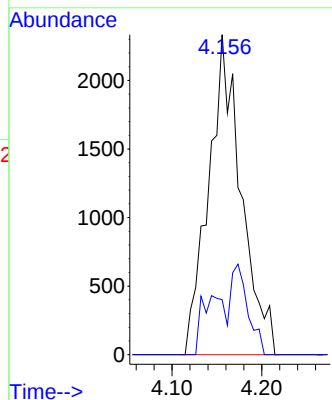
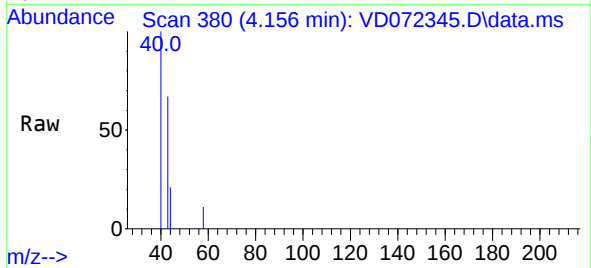




#16
Acetone
Concen: 111.265 ug/l
RT: 4.156 min Scan# 31
Delta R.T. 0.000 min
Lab File: VD072345.D
Acq: 21 Mar 2022 17:33

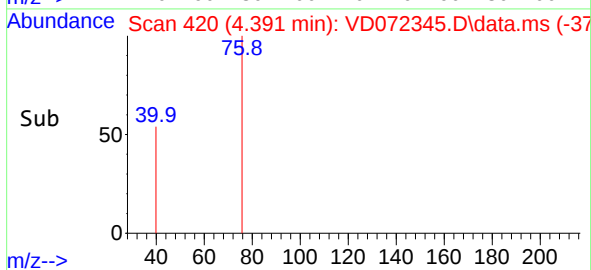
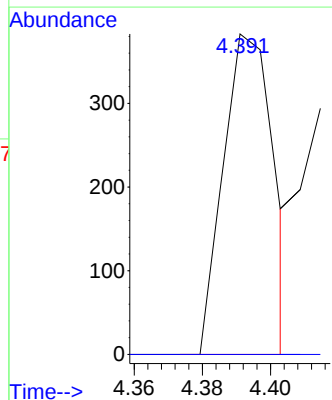
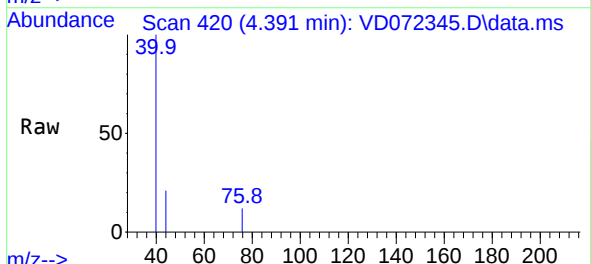
Instrument :
MSVOA_D
ClientSampleId :
C-16-15-16RE

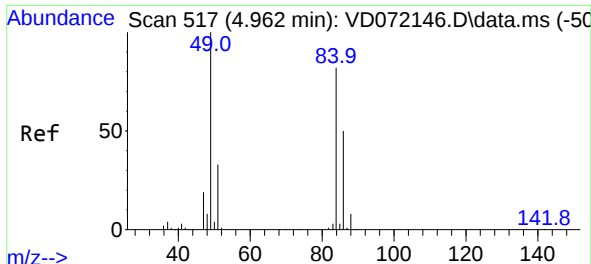
Tgt Ion: 43 Resp: 5871
Ion Ratio Lower Upper
43 100
58 17.2 22.1 33.1#



#17
Carbon Disulfide
Concen: 2.318 ug/l
RT: 4.391 min Scan# 420
Delta R.T. -0.018 min
Lab File: VD072345.D
Acq: 21 Mar 2022 17:33

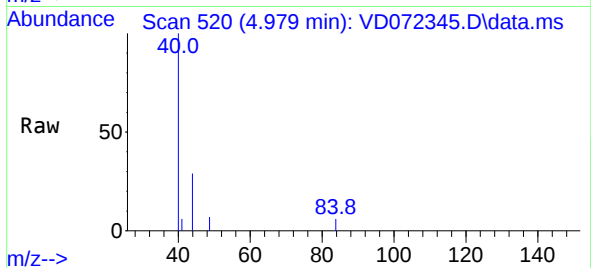
Tgt Ion: 76 Resp: 394
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#





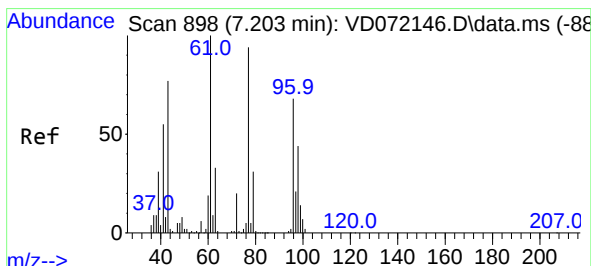
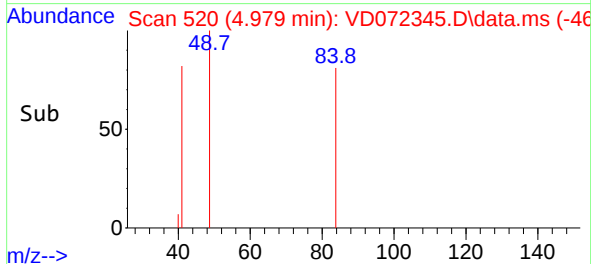
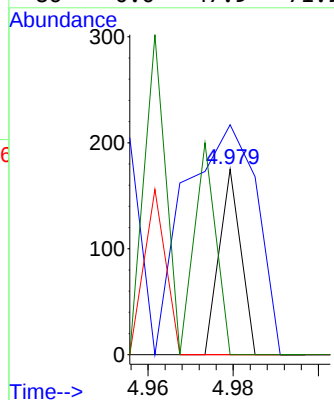
#20
Methylene Chloride
Concen: Below Cal
RT: 4.979 min Scan# 517
Delta R.T. 0.017 min
Lab File: VD072345.D
Acq: 21 Mar 2022 17:33

Instrument :
MSVOA_D
ClientSampleId :
C-16-15-16RE



Tgt Ion: 84 Resp: 62

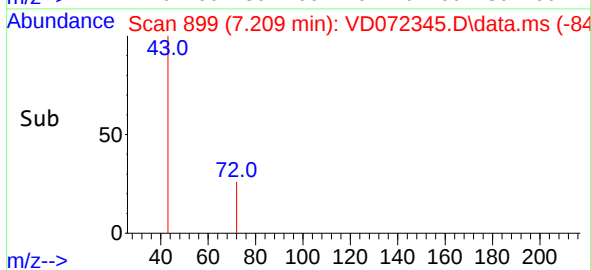
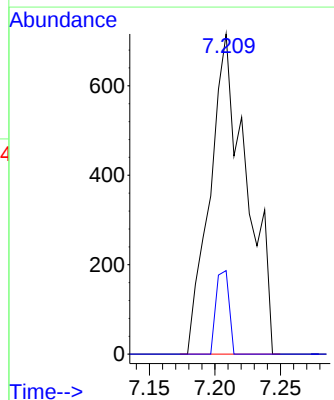
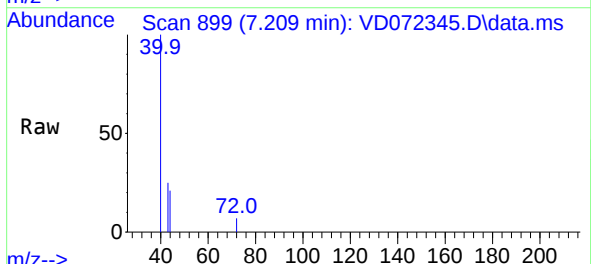
Ion	Ratio	Lower	Upper
84	100		
49	124.0	112.8	169.2
51	0.0	32.6	48.8#
86	0.0	47.9	71.9#

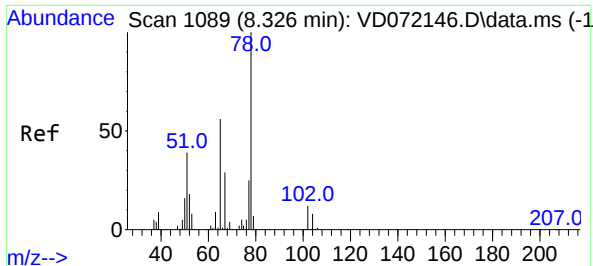


#25
2-Butanone
Concen: 19.715 ug/l
RT: 7.209 min Scan# 899
Delta R.T. 0.006 min
Lab File: VD072345.D
Acq: 21 Mar 2022 17:33

Tgt Ion: 43 Resp: 1387

Ion	Ratio	Lower	Upper
43	100		
72	26.1	18.6	27.8





#33

1,2-Dichloroethane-d4

Concen: 79.329 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD072345.D

Acq: 21 Mar 2022 17:33

Instrument :

MSVOA_D

ClientSampleId :

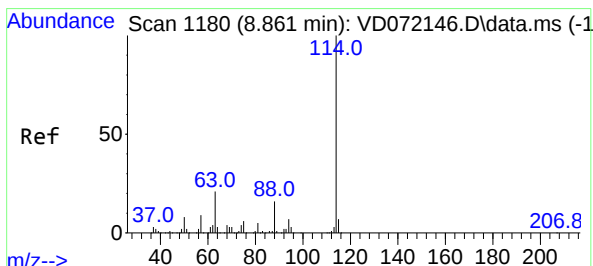
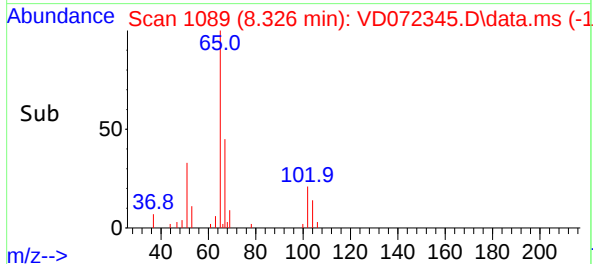
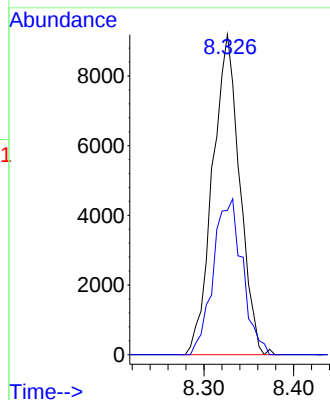
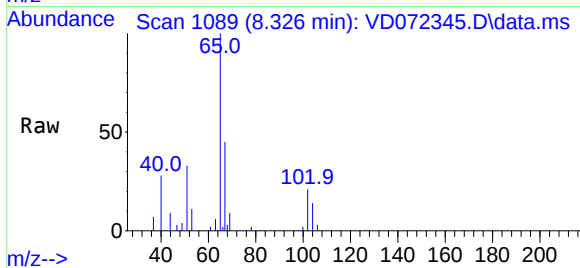
C-16-15-16RE

Tgt Ion: 65 Resp: 19279

Ion Ratio Lower Upper

65 100

67 52.3 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD072345.D

Acq: 21 Mar 2022 17:33

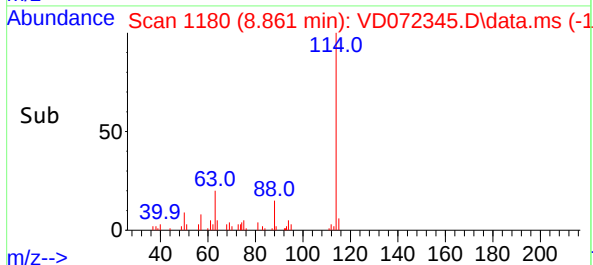
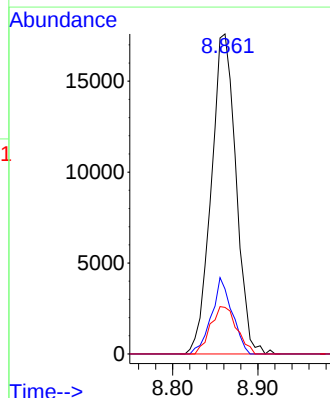
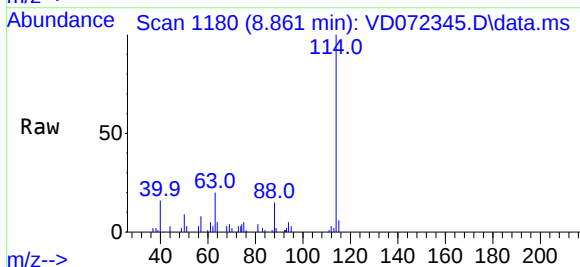
Tgt Ion: 114 Resp: 35481

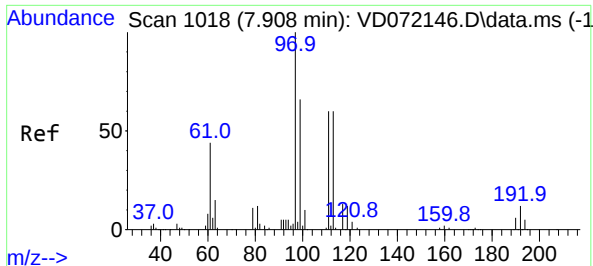
Ion Ratio Lower Upper

114 100

63 20.3 0.0 46.6

88 14.5 0.0 33.2

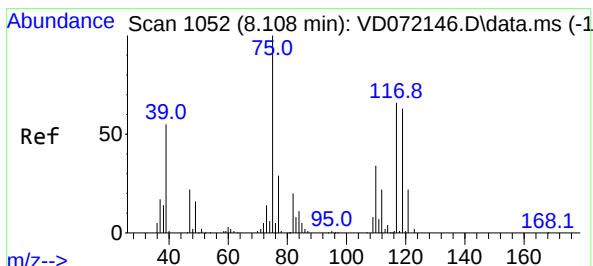
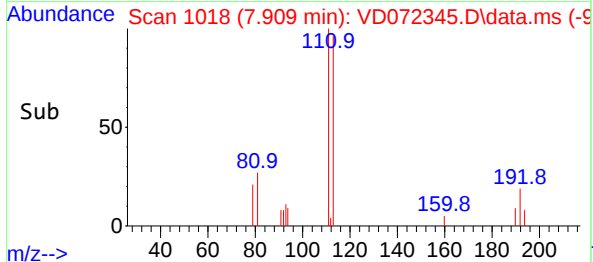
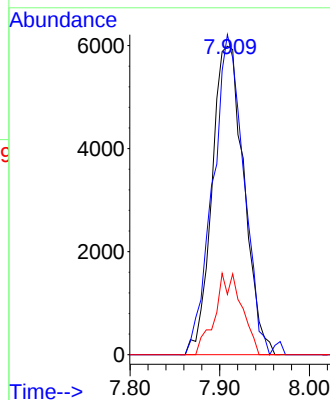
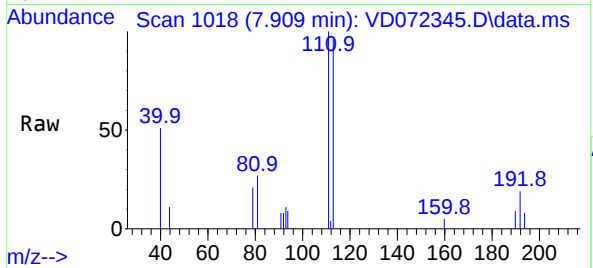




#35
Dibromofluoromethane
Concen: 59.395 ug/l
RT: 7.909 min Scan# 1018
Delta R.T. 0.000 min
Lab File: VD072345.D
Acq: 21 Mar 2022 17:33

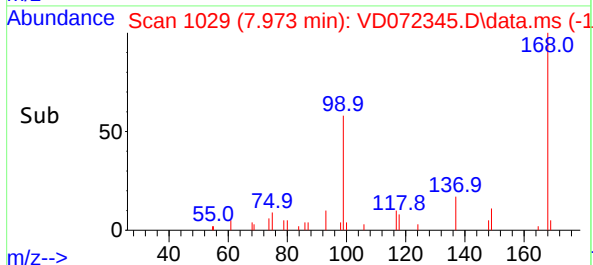
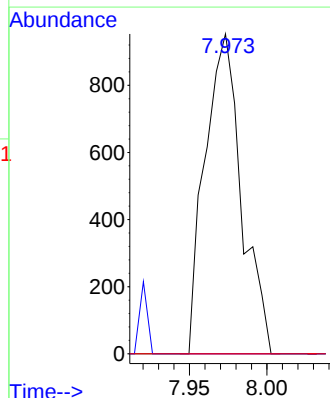
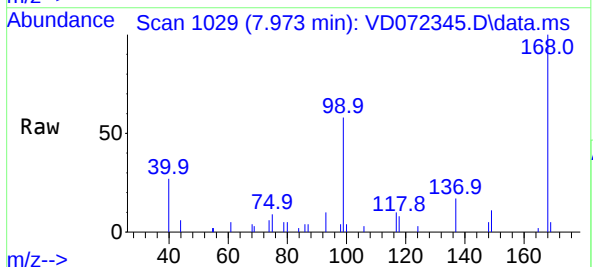
Instrument :
MSVOA_D
ClientSampleId :
C-16-15-16RE

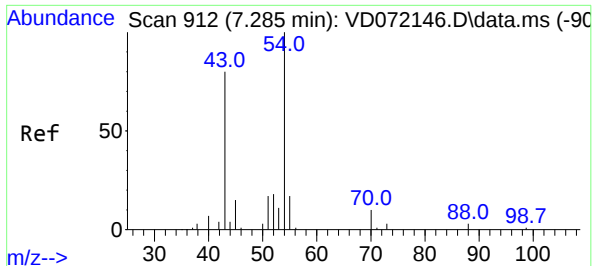
Tgt Ion:113 Resp: 14830
Ion Ratio Lower Upper
113 100
111 100.2 83.8 125.6
192 22.1 14.6 21.8#



#36
1,1-Dichloropropene
Concen: 4.454 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD072345.D
Acq: 21 Mar 2022 17:33

Tgt Ion: 75 Resp: 1560
Ion Ratio Lower Upper
75 100
110 0.0 16.4 49.1#
77 0.0 24.2 36.2#





#37

Ethyl Acetate

Concen: 9.040 ug/l

RT: 7.209 min Scan# 899

Delta R.T. -0.076 min

Lab File: VD072345.D

Acq: 21 Mar 2022 17:33

Instrument :

MSVOA_D

ClientSampleId :

C-16-15-16RE

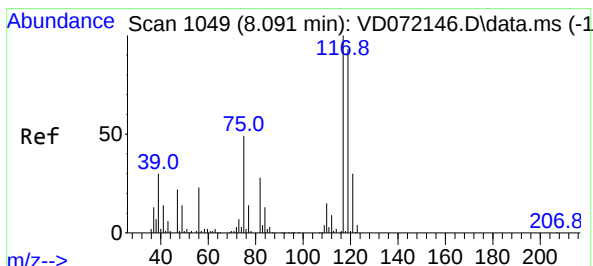
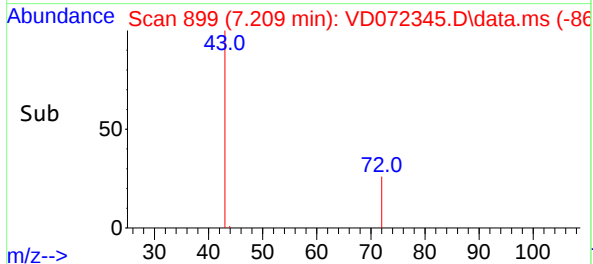
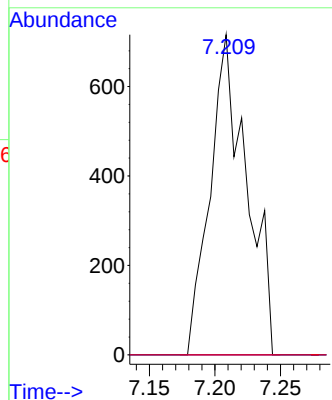
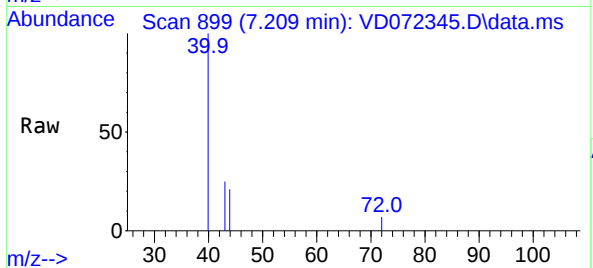
Tgt Ion: 43 Resp: 1387

Ion Ratio Lower Upper

43 100

61 0.0 9.8 14.8#

70 0.0 6.9 10.3#



#38

Carbon Tetrachloride

Concen: 6.485 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.112 min

Lab File: VD072345.D

Acq: 21 Mar 2022 17:33

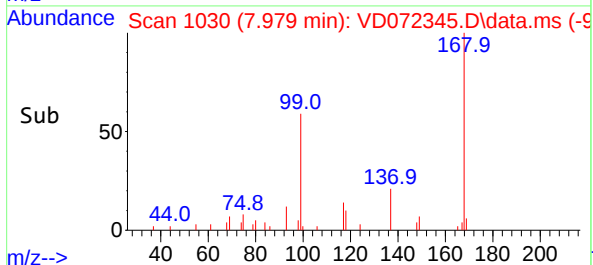
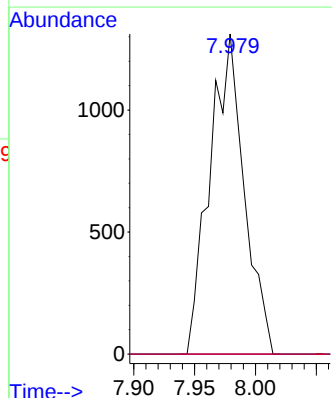
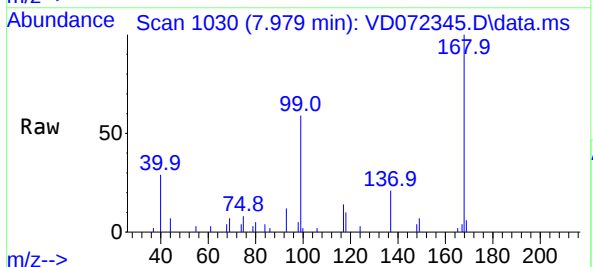
Tgt Ion: 117 Resp: 2582

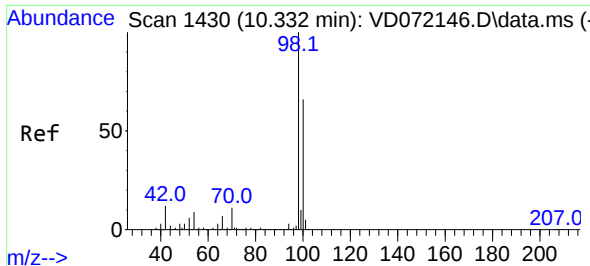
Ion Ratio Lower Upper

117 100

119 0.0 75.8 113.6#

121 0.0 24.5 36.7#

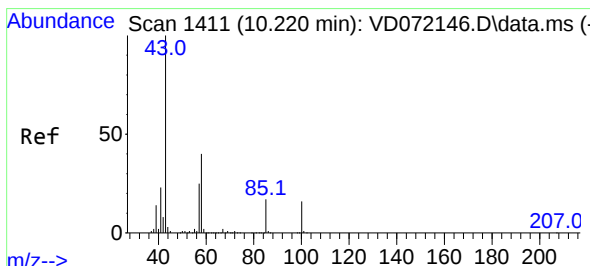
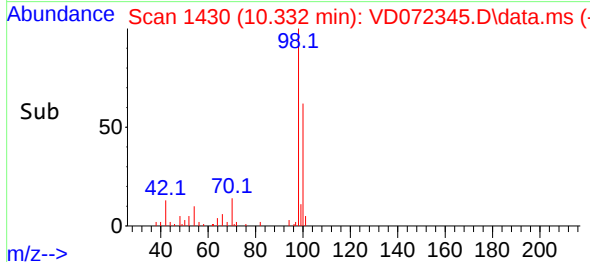
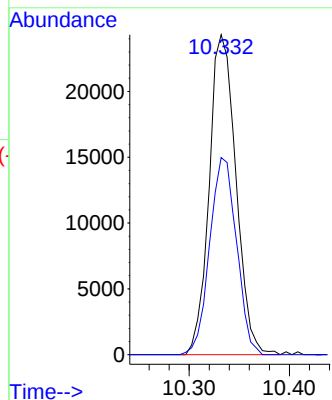
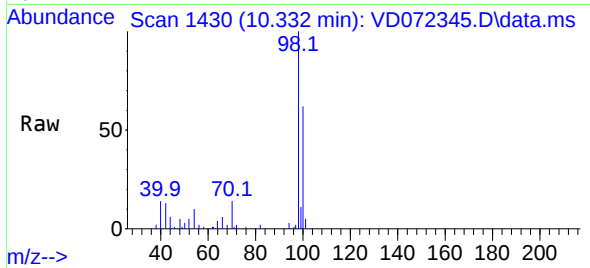




#50
Toluene-d8
Concen: 49.457 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD072345.D
Acq: 21 Mar 2022 17:33

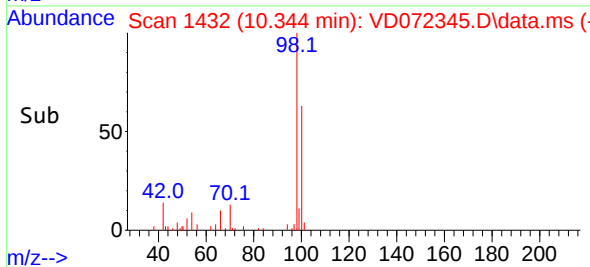
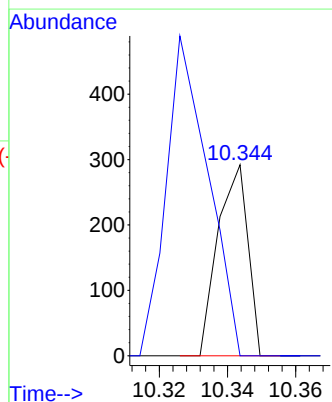
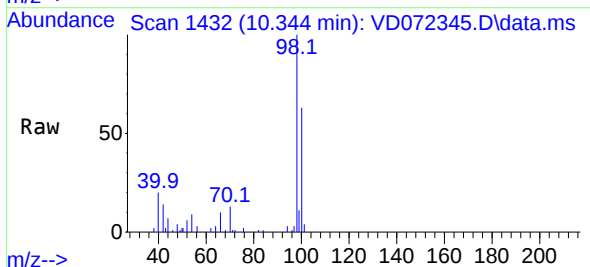
Instrument :
MSVOA_D
ClientSampleId :
C-16-15-16RE

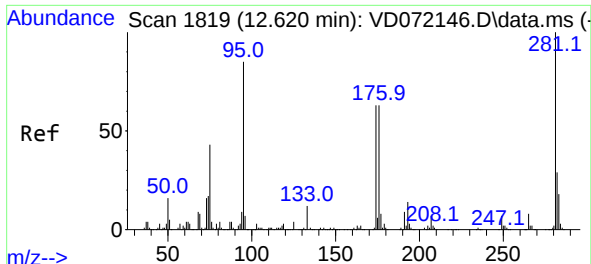
Tgt Ion: 98 Resp: 45153
Ion Ratio Lower Upper
98 100
100 61.7 52.4 78.6



#51
4-Methyl-2-Pentanone
Concen: 1.138 ug/l
RT: 10.344 min Scan# 1432
Delta R.T. 0.124 min
Lab File: VD072345.D
Acq: 21 Mar 2022 17:33

Tgt Ion: 43 Resp: 178
Ion Ratio Lower Upper
43 100
58 233.7 28.6 43.0#

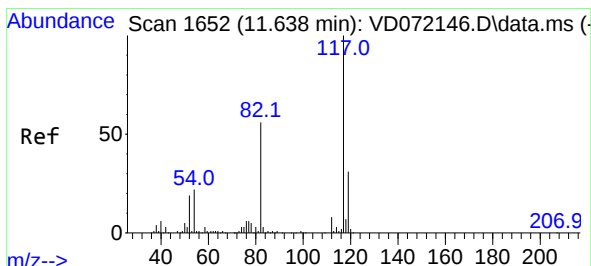
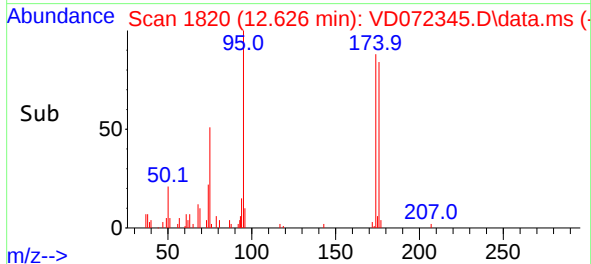
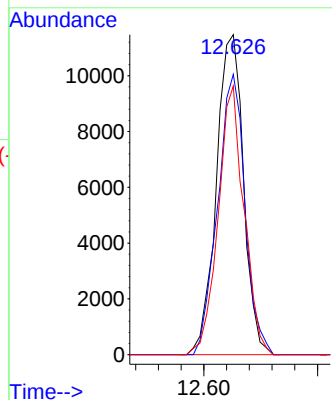
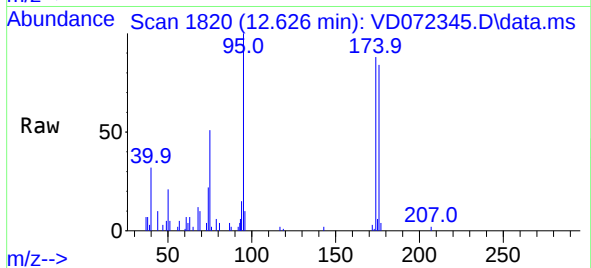




#62
4-Bromofluorobenzene
Concen: 53.600 ug/l
RT: 12.626 min Scan# 1819
Delta R.T. 0.006 min
Lab File: VD072345.D
Acq: 21 Mar 2022 17:33

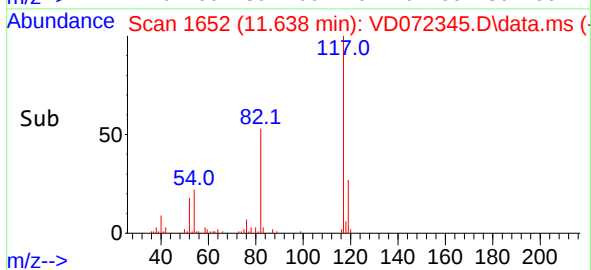
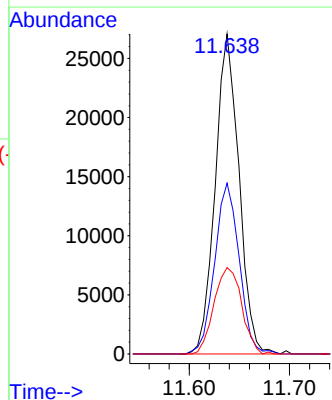
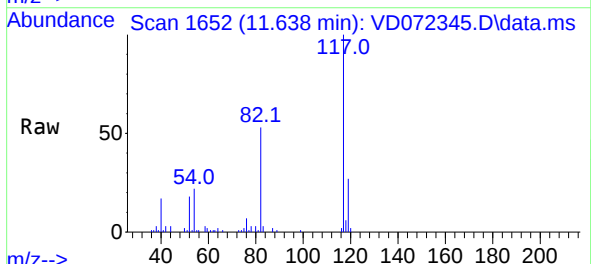
Instrument :
MSVOA_D
ClientSampleId :
C-16-15-16RE

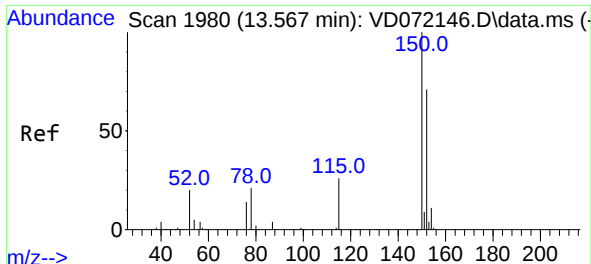
Tgt Ion:	95	Resp:	19014
Ion	Ratio	Lower	Upper
95	100		
174	88.3	0.0	152.8
176	80.0	0.0	145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD072345.D
Acq: 21 Mar 2022 17:33

Tgt Ion:	117	Resp:	44554
Ion	Ratio	Lower	Upper
117	100		
82	53.3	45.3	67.9
119	27.0	26.6	40.0

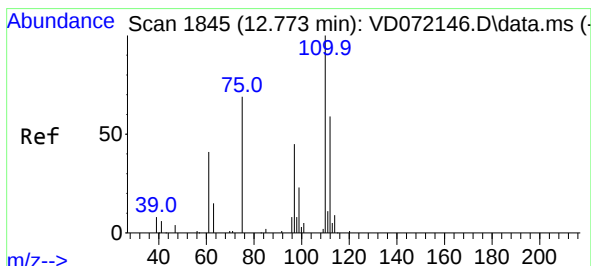
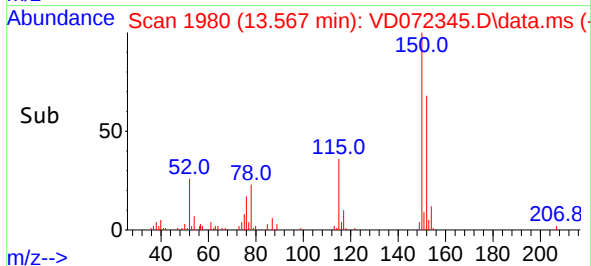
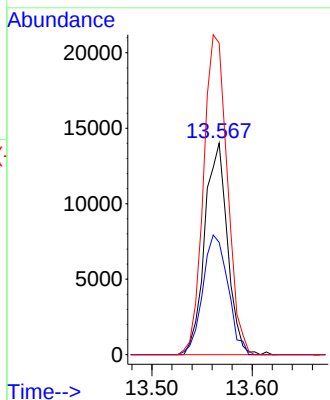
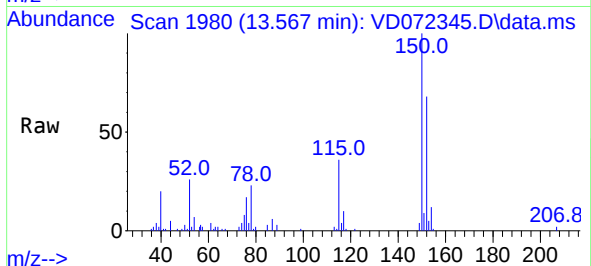




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD072345.D
Acq: 21 Mar 2022 17:33

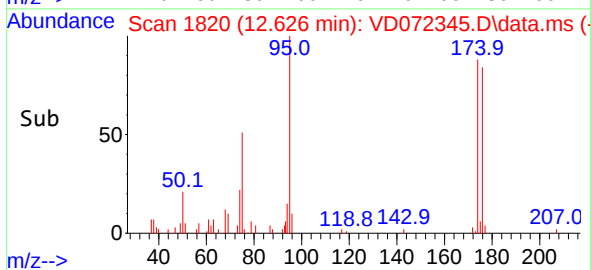
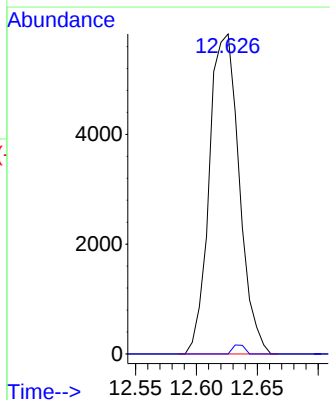
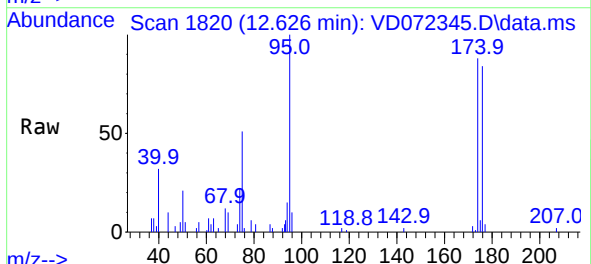
Instrument :
MSVOA_D
ClientSampleId :
C-16-15-16RE

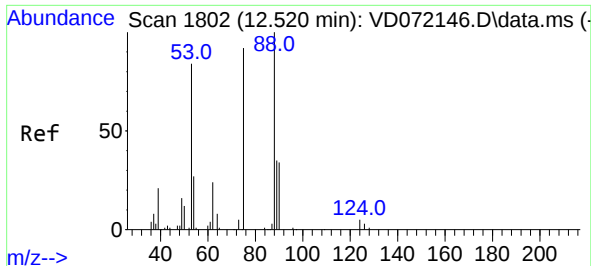
Tgt Ion:152 Resp: 22072
Ion Ratio Lower Upper
152 100
115 62.8 31.3 93.8
150 158.4 0.0 348.6



#76
1,2,3-Trichloropropane
Concen: 40.896 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD072345.D
Acq: 21 Mar 2022 17:33

Tgt Ion: 75 Resp: 9957
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#

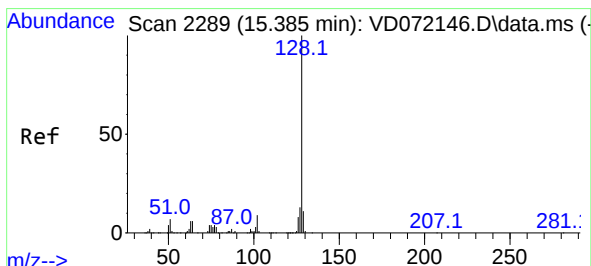
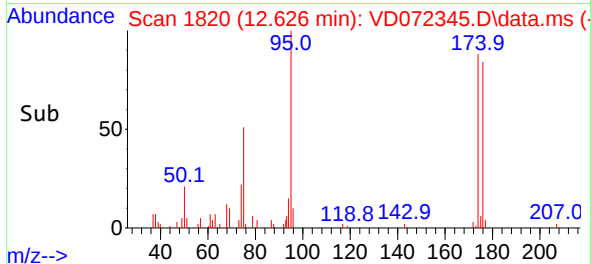
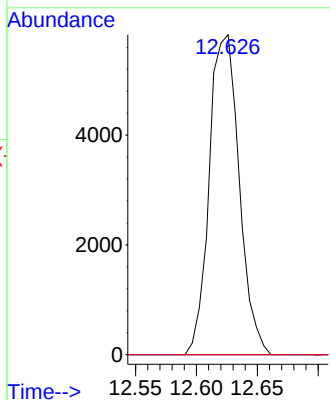
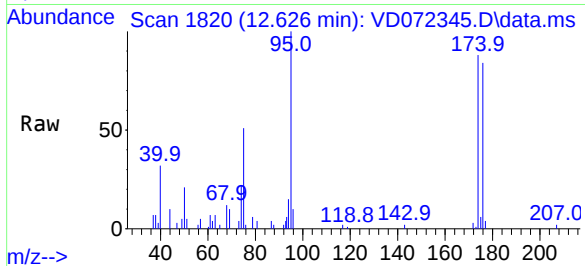




#81
trans-1,4-Dichloro-2-butene
Concen: 101.466 ug/l
RT: 12.626 min Scan# 1802
Delta R.T. 0.106 min
Lab File: VD072345.D
Acq: 21 Mar 2022 17:33

Instrument :
MSVOA_D
ClientSampleId :
C-16-15-16RE

Tgt Ion: 75 Resp: 9957
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.0 33.9 50.9#



#95
Naphthalene
Concen: 152.662 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. 0.000 min
Lab File: VD072345.D
Acq: 21 Mar 2022 17:33

Tgt Ion: 128 Resp: 125329
Ion Ratio Lower Upper
128 100
127 12.7 10.3 15.5
129 10.4 8.4 12.6

