

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022723\
 Data File : VY012735.D
 Acq On : 27 Feb 2023 14:34
 Operator : KP/MD
 Sample : 01701-02
 Misc : 4.65g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-19-SB02

Quant Time: Feb 28 00:22:45 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022123S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 22 01:21:05 2023
 Response via : Initial Calibration

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

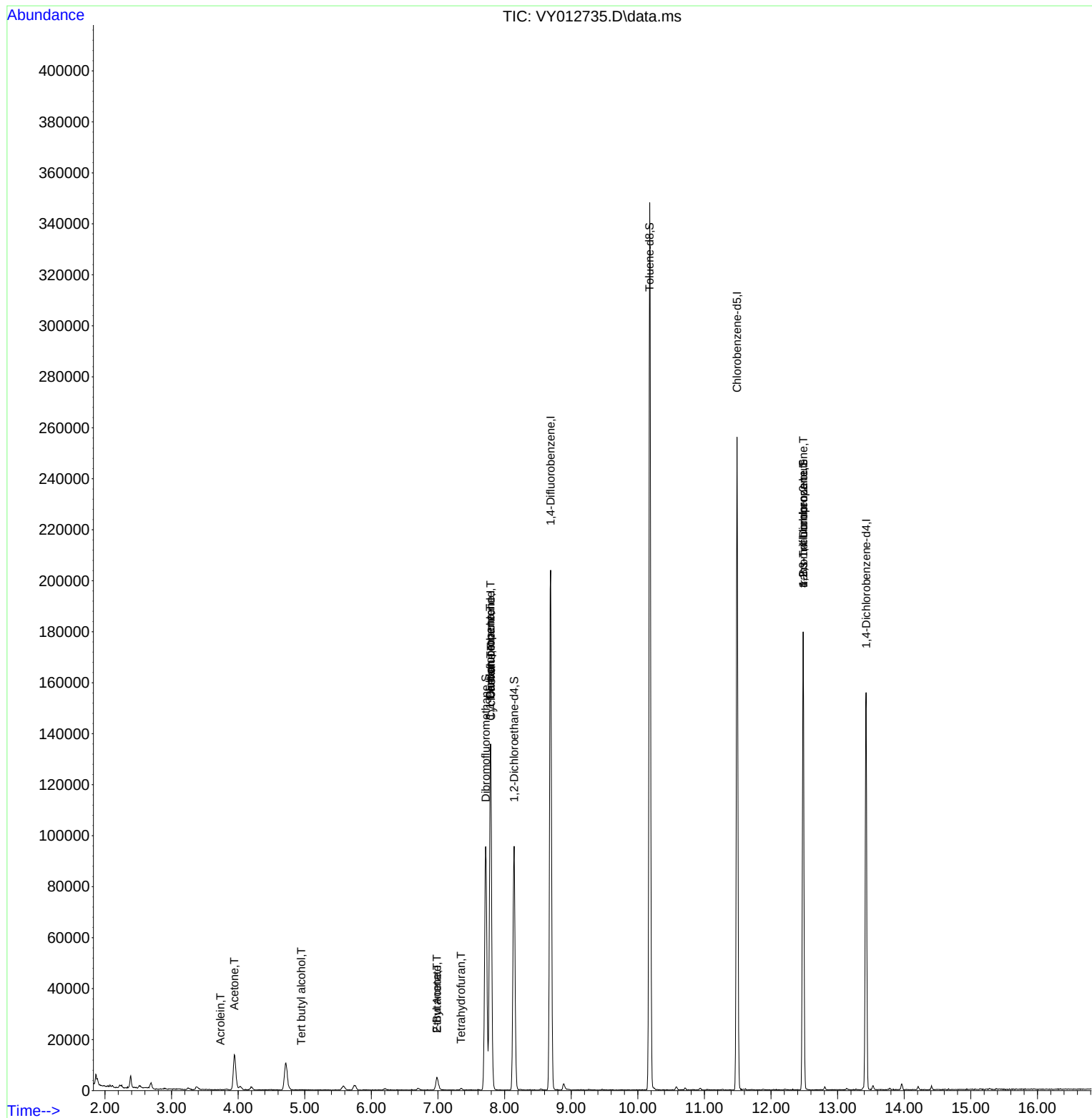
Internal Standards						
1) Pentafluorobenzene	7.789	168	108500	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	174384	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	130473	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	41391	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	72448	56.537	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 113.080%			
35) Dibromofluoromethane	7.716	113	67669	57.451	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 114.900%			
50) Toluene-d8	10.179	98	222729	50.474	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 100.940%			
62) 4-Bromofluorobenzene	12.483	95	51295	36.325	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 72.660%			
Target Compounds						Qvalue
3) Chloromethane	2.113	50	530	Below Cal		100
11) Tert butyl alcohol	4.948	59	257	1.833 ug/l #		74
13) Acrolein	3.735	56	193	1.090 ug/l		86
16) Acetone	3.942	43	24523	58.648 ug/l		97
20) Methylene Chloride	4.716	84	7634	Below Cal		91
25) 2-Butanone	6.984	43	7958	14.340 ug/l		91
29) Tetrahydrofuran	7.344	42	458	1.352 ug/l #		70
31) Cyclohexane	7.795	56	2554	1.147 ug/l #		22
36) 1,1-Dichloropropene	7.783	75	8540	4.574 ug/l #		49
37) Ethyl Acetate	6.984	43	7958	6.317 ug/l #		72
38) Carbon Tetrachloride	7.789	117	10468	5.423 ug/l #		16
76) 1,2,3-Trichloropropane	12.483	75	26527	51.408 ug/l #		100
81) trans-1,4-Dichloro-2-b...	12.483	75	26527	108.908 ug/l #		9

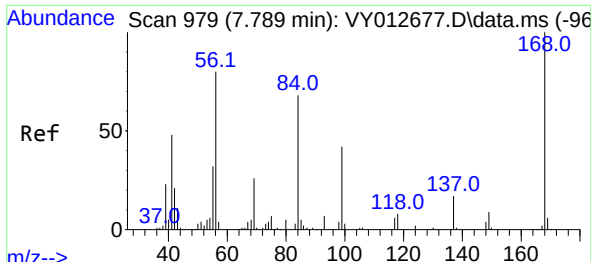
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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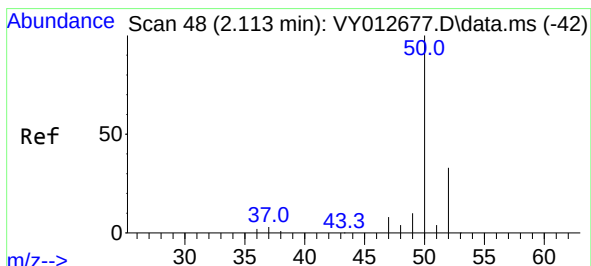
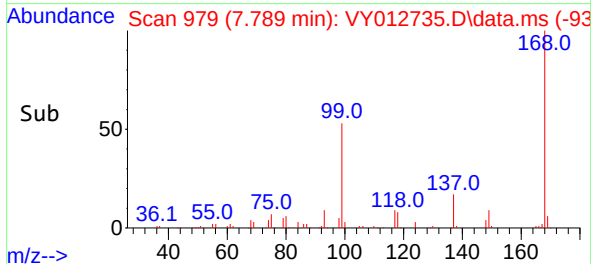
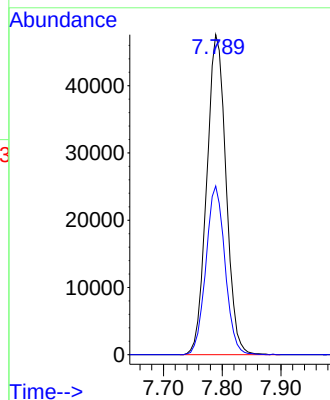
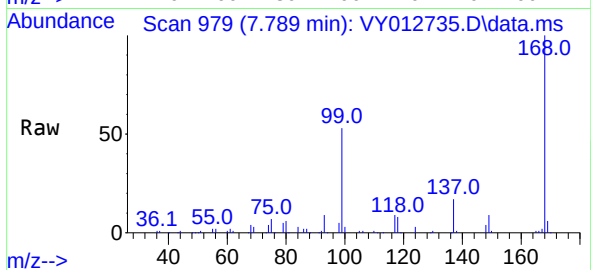




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012735.D
Acq: 27 Feb 2023 14:34

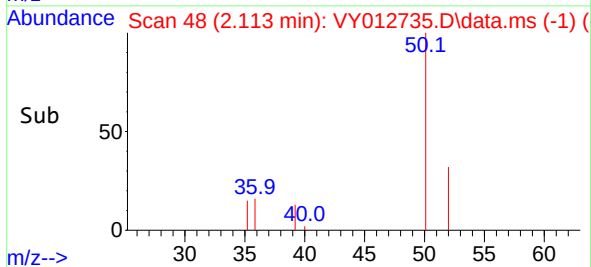
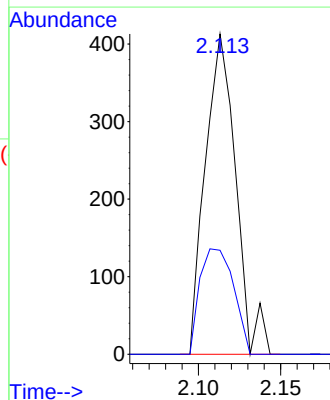
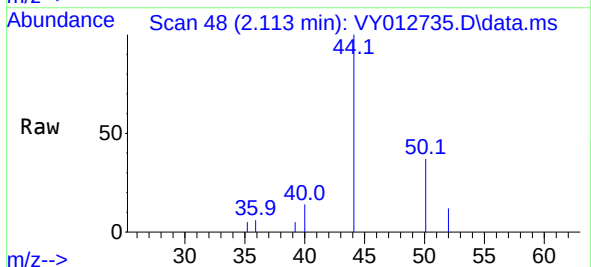
Instrument :
MSVOA_Y
ClientSampleId :
B-19-SB02

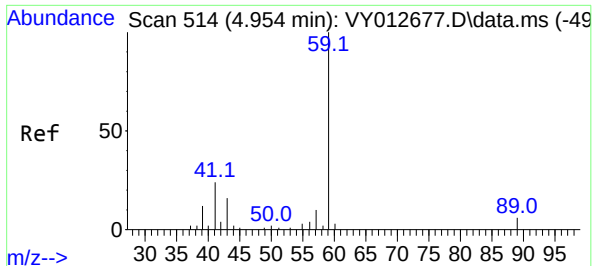
Tgt Ion:168 Resp: 108500
Ion Ratio Lower Upper
168 100
99 52.7 45.4 68.2



#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. 0.000 min
Lab File: VY012735.D
Acq: 27 Feb 2023 14:34

Tgt Ion: 50 Resp: 530
Ion Ratio Lower Upper
50 100
52 32.4 26.1 39.1





#11

Tert butyl alcohol

Concen: 1.833 ug/l

RT: 4.948 min Scan# 514

Delta R.T. -0.006 min

Lab File: VY012735.D

Acq: 27 Feb 2023 14:34

Instrument :

MSVOA_Y

ClientSampleId :

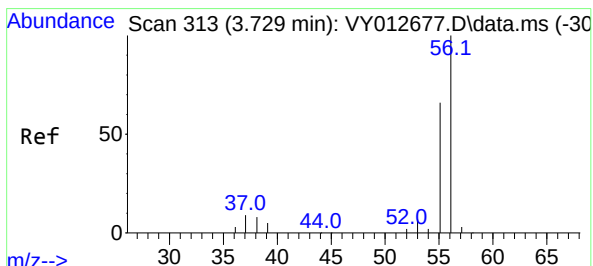
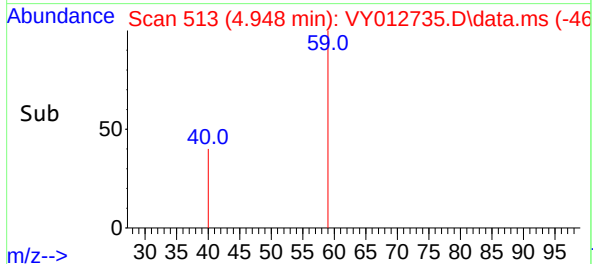
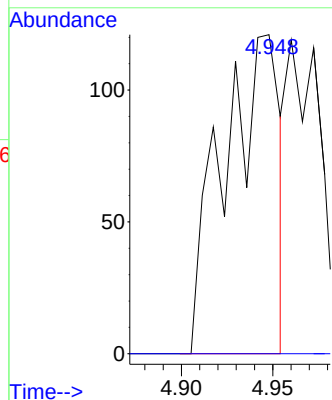
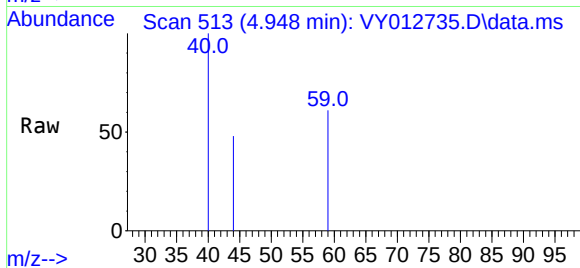
B-19-SB02

Tgt Ion: 59 Resp: 257

Ion Ratio Lower Upper

59 100

57 0.0 7.7 11.5#



#13

Acrolein

Concen: 1.090 ug/l

RT: 3.735 min Scan# 314

Delta R.T. 0.006 min

Lab File: VY012735.D

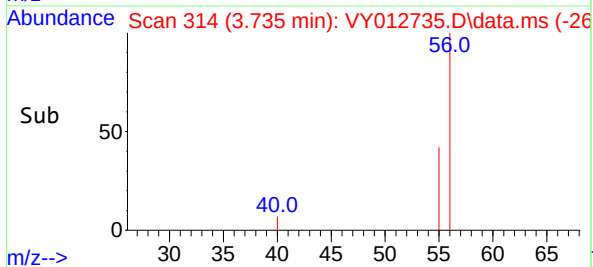
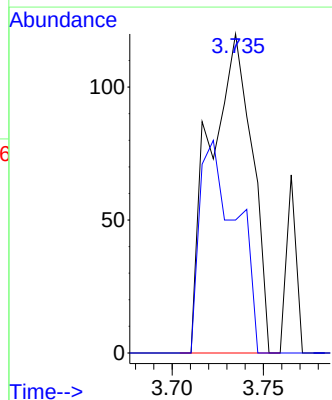
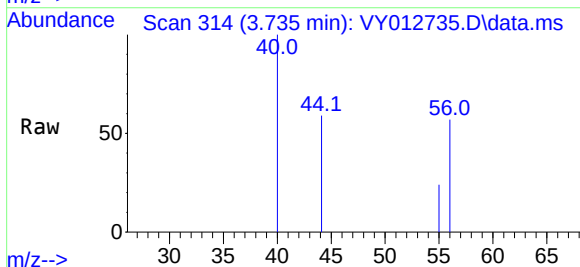
Acq: 27 Feb 2023 14:34

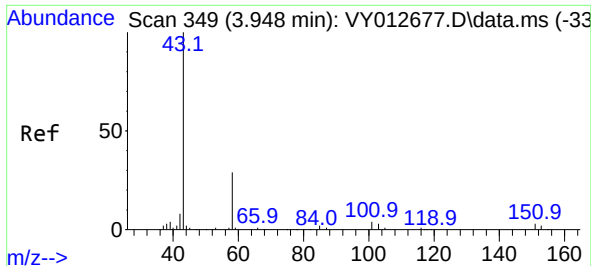
Tgt Ion: 56 Resp: 193

Ion Ratio Lower Upper

56 100

55 58.0 55.7 83.5

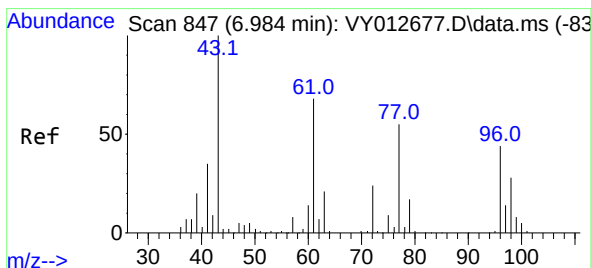
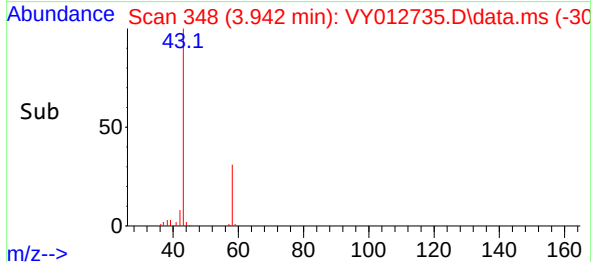
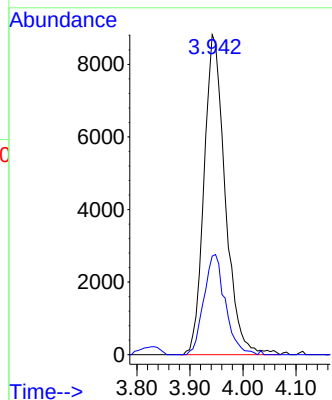
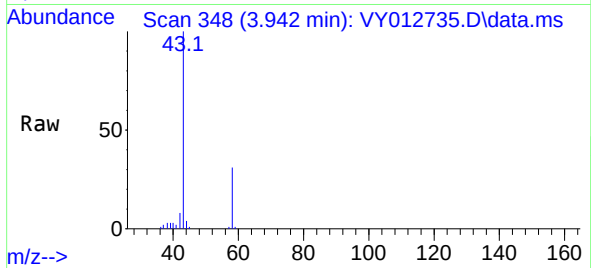




#16
Acetone
Concen: 58.648 ug/l
RT: 3.942 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY012735.D
Acq: 27 Feb 2023 14:34

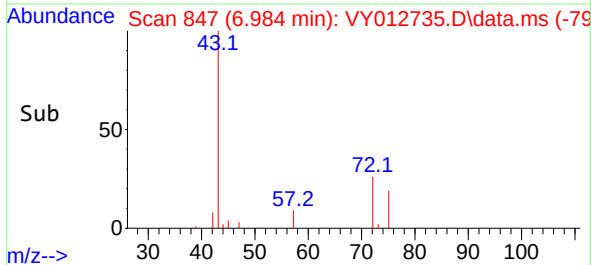
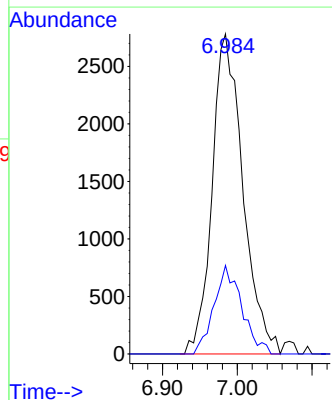
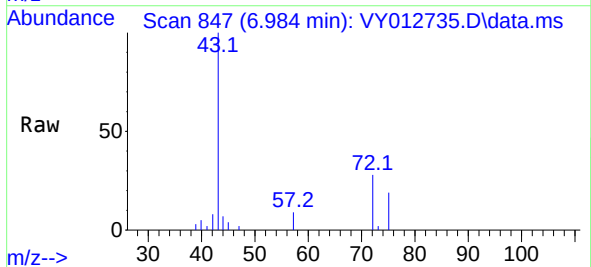
Instrument :
MSVOA_Y
ClientSampleId :
B-19-SB02

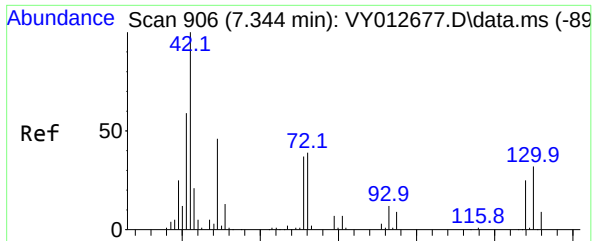
Tgt Ion: 43 Resp: 24523
Ion Ratio Lower Upper
43 100
58 30.8 23.3 34.9



#25
2-Butanone
Concen: 14.340 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.000 min
Lab File: VY012735.D
Acq: 27 Feb 2023 14:34

Tgt Ion: 43 Resp: 7958
Ion Ratio Lower Upper
43 100
72 27.7 18.8 28.2

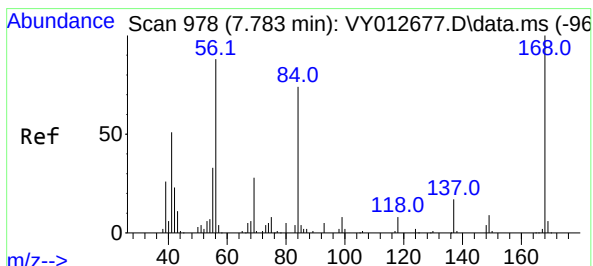
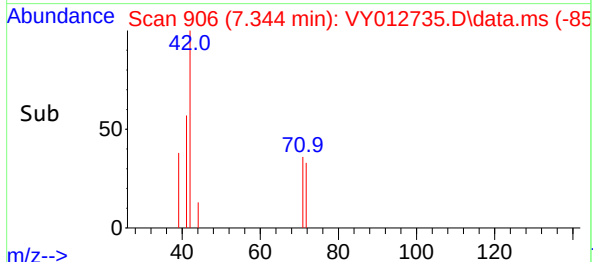
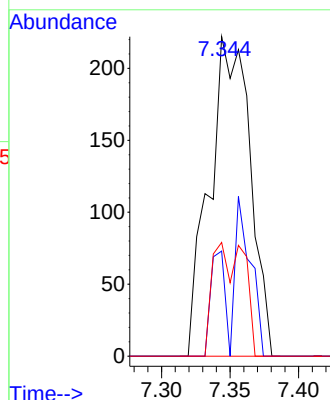
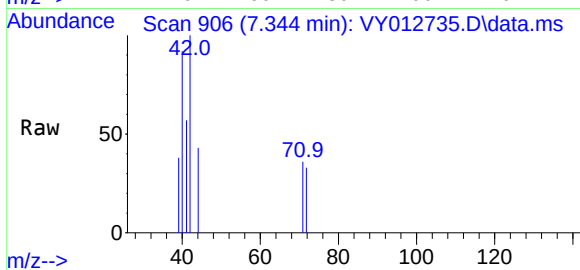




#29
Tetrahydrofuran
Concen: 1.352 ug/l
RT: 7.344 min Scan# 906
Delta R.T. -0.000 min
Lab File: VY012735.D
Acq: 27 Feb 2023 14:34

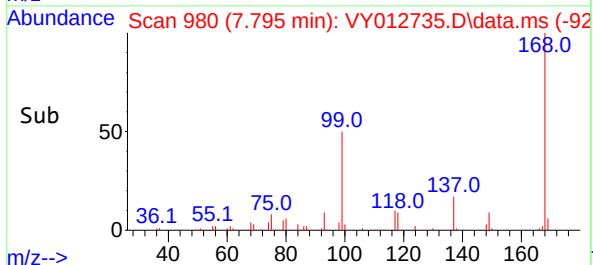
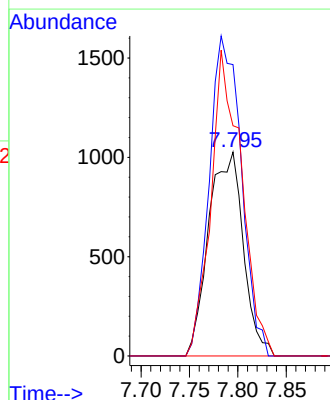
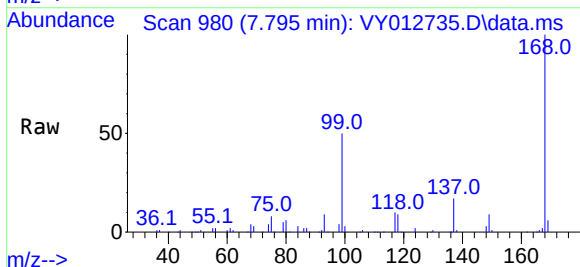
Instrument :
MSVOA_Y
ClientSampleId :
B-19-SB02

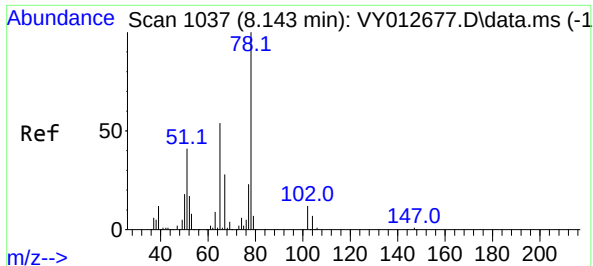
Tgt Ion:	42	Resp:	458
Ion	Ratio	Lower	Upper
42	100		
72	11.4	30.6	45.8#
71	27.7	28.6	42.8#



#31
Cyclohexane
Concen: 1.147 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.012 min
Lab File: VY012735.D
Acq: 27 Feb 2023 14:34

Tgt Ion:	56	Resp:	2554
Ion	Ratio	Lower	Upper
56	100		
69	143.0	25.4	38.2#
84	113.0	67.3	100.9#





#33

1,2-Dichloroethane-d4

Concen: 56.537 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. -0.001 min

Lab File: VY012735.D

Acq: 27 Feb 2023 14:34

Instrument :

MSVOA_Y

ClientSampleId :

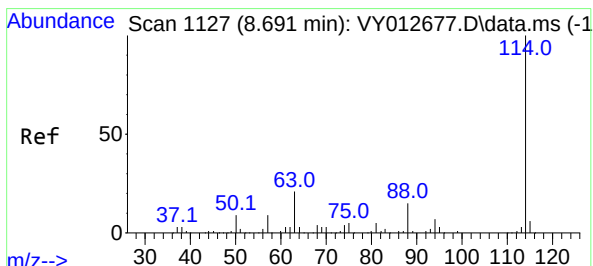
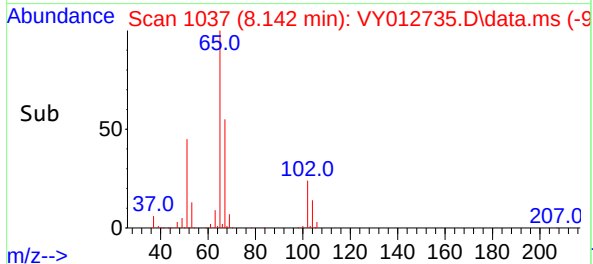
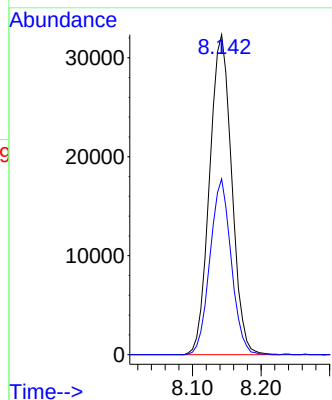
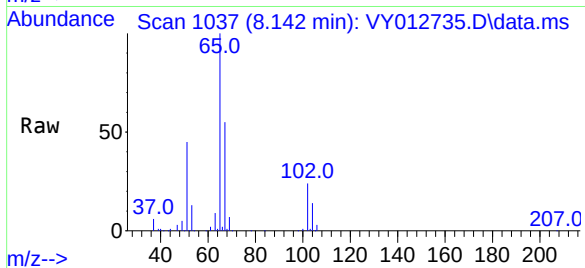
B-19-SB02

Tgt Ion: 65 Resp: 72448

Ion Ratio Lower Upper

65 100

67 52.6 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VY012735.D

Acq: 27 Feb 2023 14:34

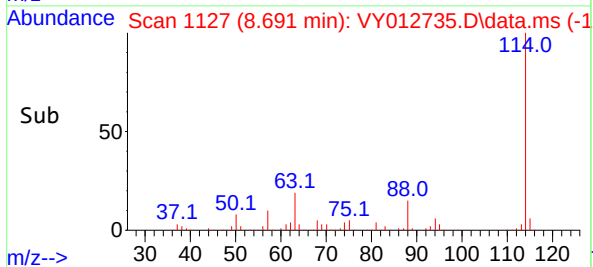
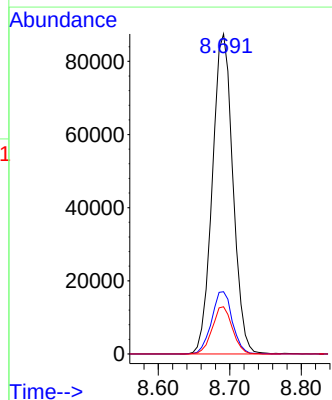
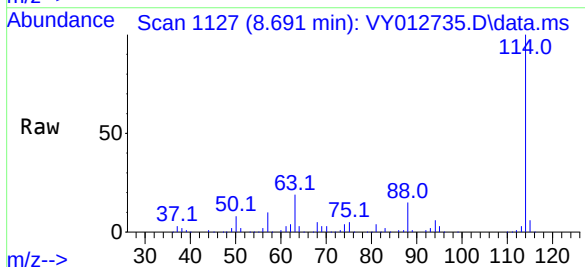
Tgt Ion: 114 Resp: 174384

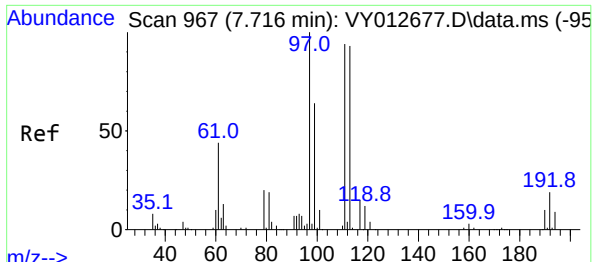
Ion Ratio Lower Upper

114 100

63 19.5 0.0 42.8

88 14.8 0.0 29.6

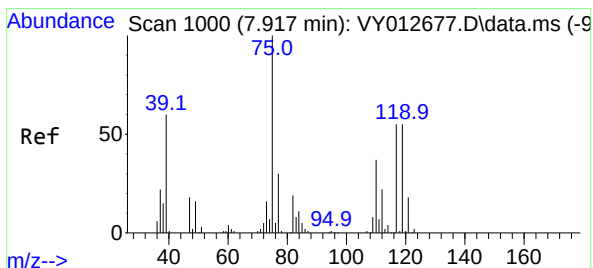
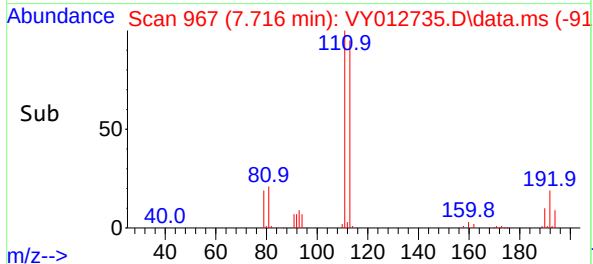
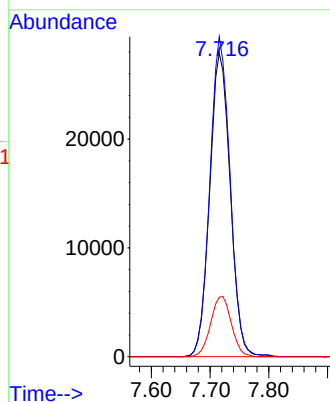
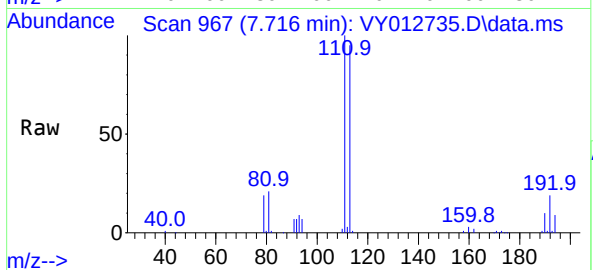




#35
Dibromofluoromethane
Concen: 57.451 ug/l
RT: 7.716 min Scan# 90
Delta R.T. -0.000 min
Lab File: VY012735.D
Acq: 27 Feb 2023 14:34

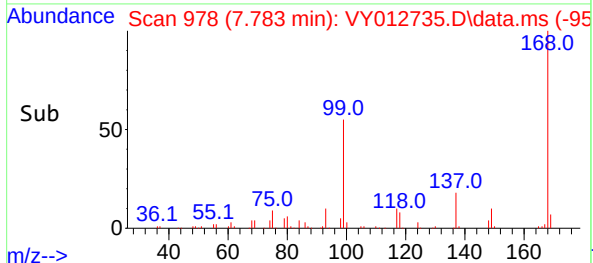
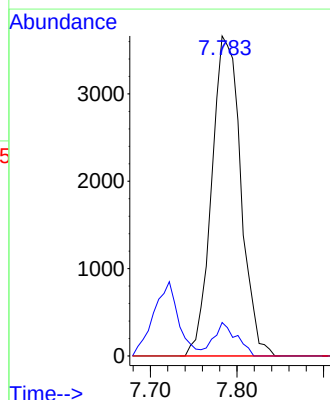
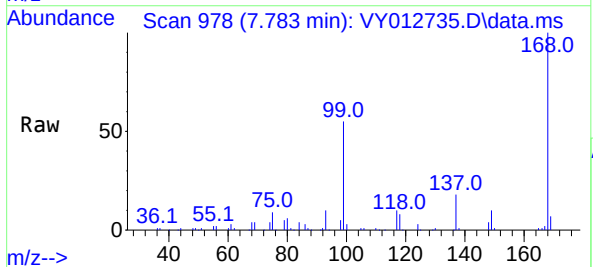
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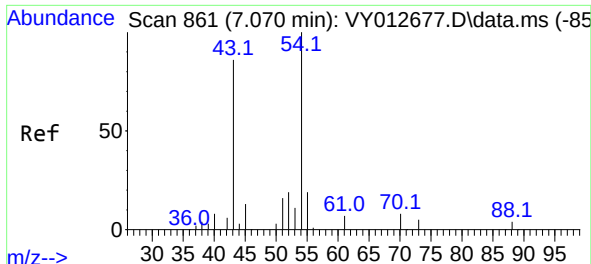
Tgt Ion:113 Resp: 67669
Ion Ratio Lower Upper
113 100
111 103.6 82.0 123.0
192 20.0 16.2 24.2



#36
1,1-Dichloropropene
Concen: 4.574 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY012735.D
Acq: 27 Feb 2023 14:34

Tgt Ion: 75 Resp: 8540
Ion Ratio Lower Upper
75 100
110 8.2 17.6 52.8#
77 0.0 24.6 37.0#





#37

Ethyl Acetate

Concen: 6.317 ug/l

RT: 6.984 min Scan# 84

Delta R.T. -0.086 min

Lab File: VY012735.D

Acq: 27 Feb 2023 14:34

Instrument :

MSVOA_Y

ClientSampleId :

B-19-SB02

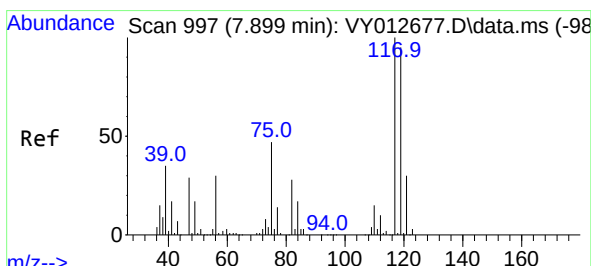
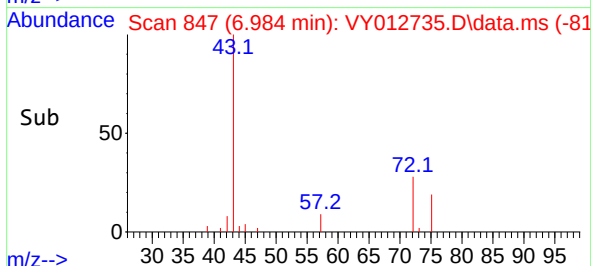
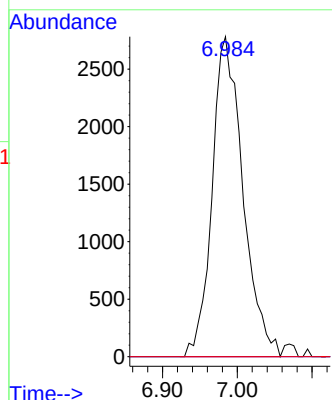
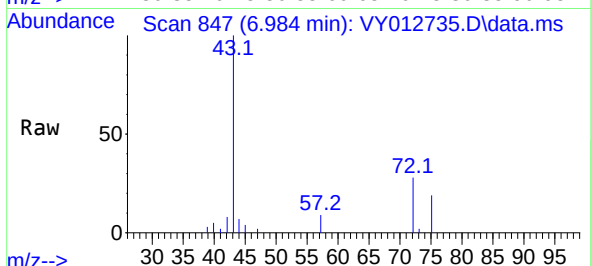
Tgt Ion: 43 Resp: 7958

Ion Ratio Lower Upper

43 100

61 0.0 9.9 14.9#

70 0.0 6.4 9.6#



#38

Carbon Tetrachloride

Concen: 5.423 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY012735.D

Acq: 27 Feb 2023 14:34

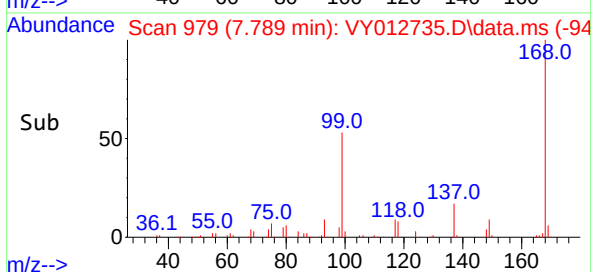
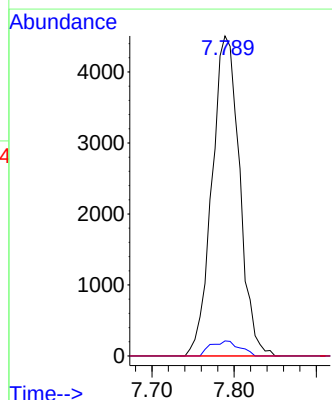
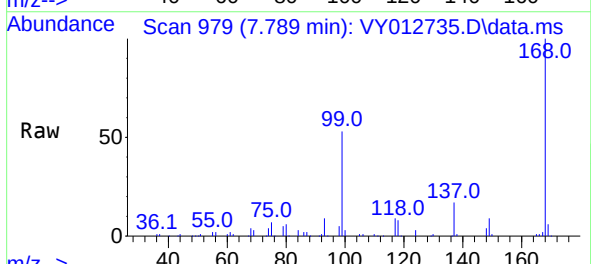
Tgt Ion: 117 Resp: 10468

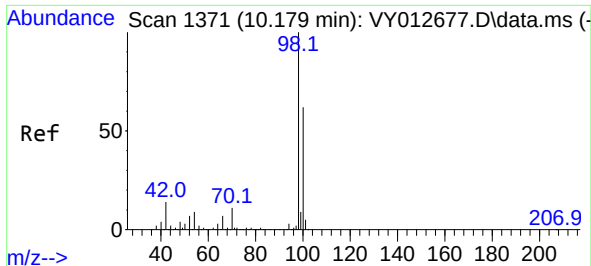
Ion Ratio Lower Upper

117 100

119 4.7 75.5 113.3#

121 0.0 23.8 35.8#

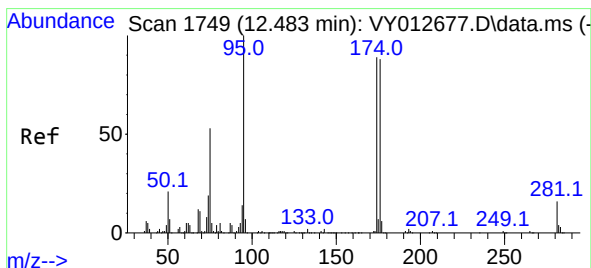
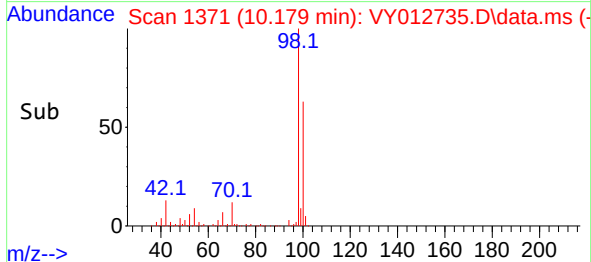
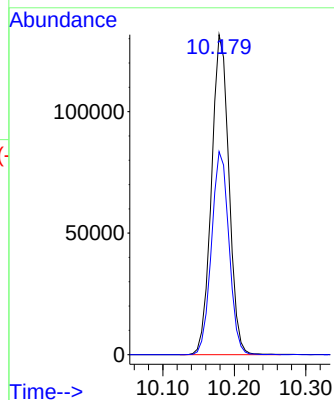
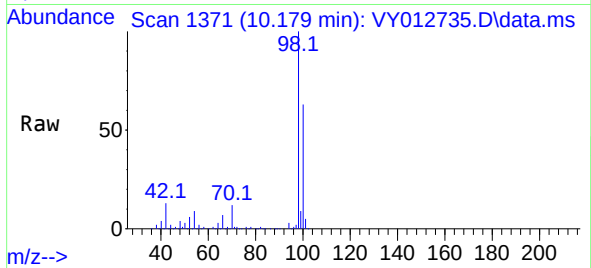




#50
Toluene-d8
Concen: 50.474 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY012735.D
Acq: 27 Feb 2023 14:34

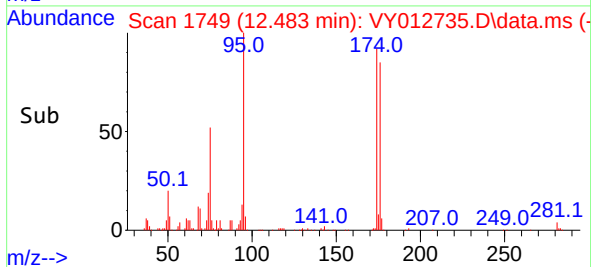
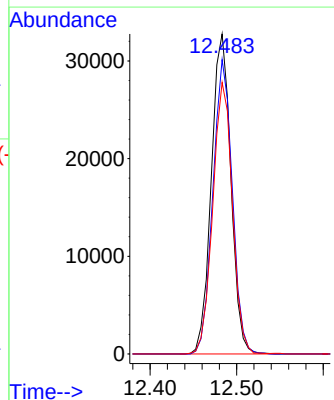
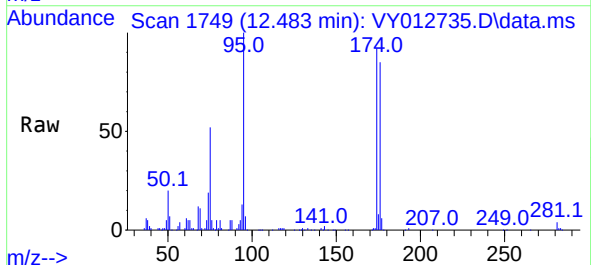
Instrument :
MSVOA_Y
ClientSampleId :
B-19-SB02

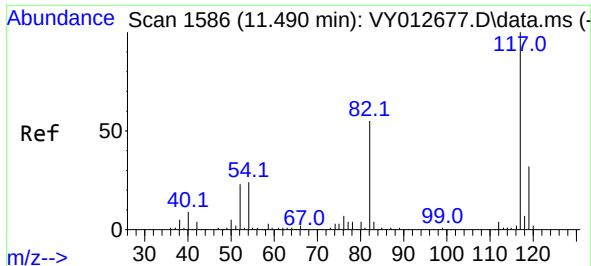
Tgt Ion: 98 Resp: 222729
Ion Ratio Lower Upper
98 100
100 63.6 51.2 76.8



#62
4-Bromofluorobenzene
Concen: 36.325 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012735.D
Acq: 27 Feb 2023 14:34

Tgt Ion: 95 Resp: 51295
Ion Ratio Lower Upper
95 100
174 91.3 0.0 172.8
176 85.6 0.0 169.4

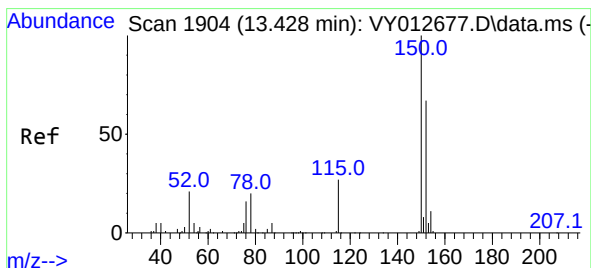
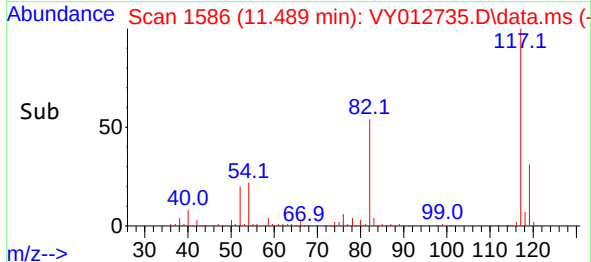
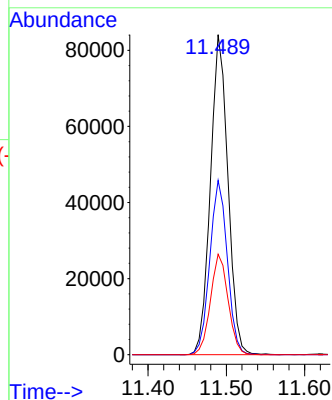
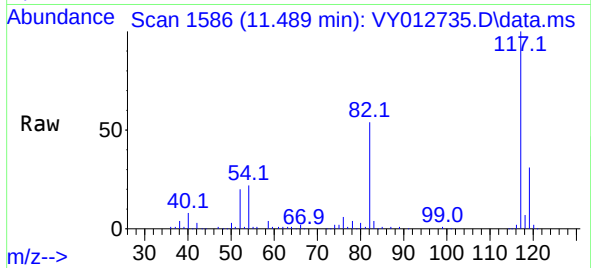




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY012735.D
Acq: 27 Feb 2023 14:34

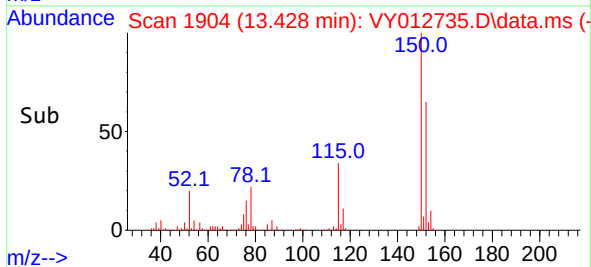
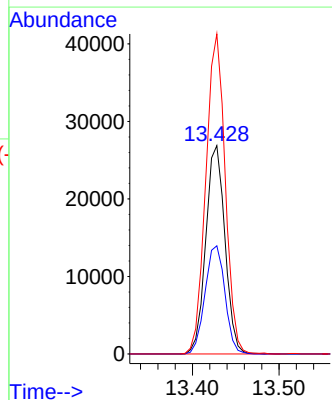
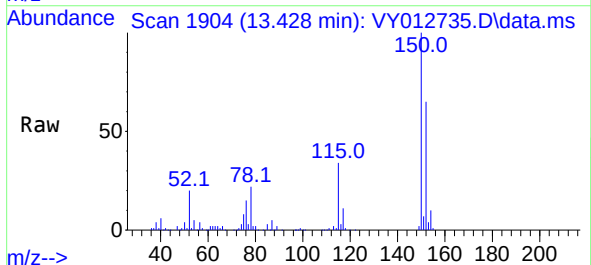
Instrument :
MSVOA_Y
ClientSampleId :
B-19-SB02

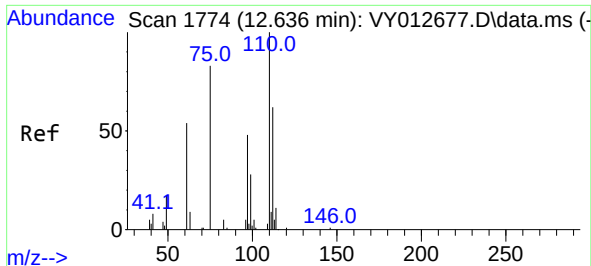
Tgt Ion:117 Resp: 130473
Ion Ratio Lower Upper
117 100
82 54.4 44.1 66.1
119 31.4 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY012735.D
Acq: 27 Feb 2023 14:34

Tgt Ion:152 Resp: 41391
Ion Ratio Lower Upper
152 100
115 54.0 28.7 86.3
150 154.8 0.0 347.6

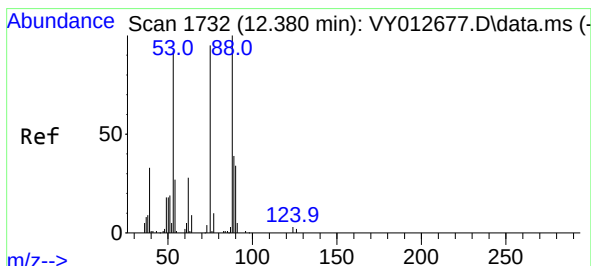
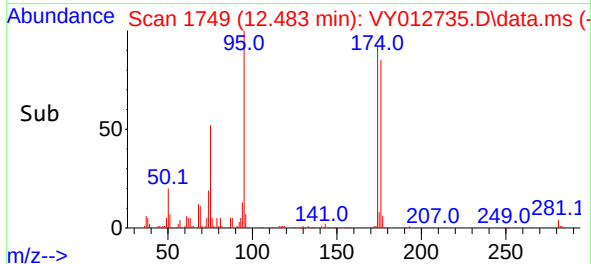
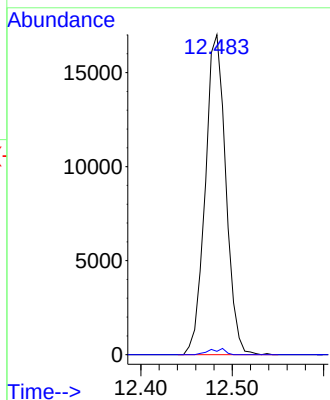
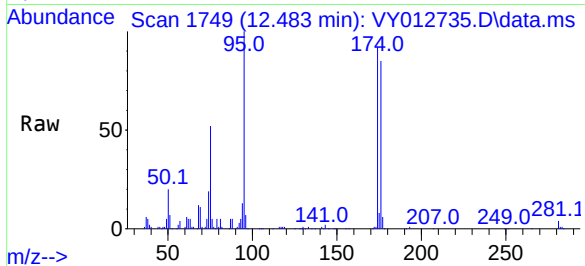




#76
1,2,3-Trichloropropane
Concen: 51.408 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY012735.D
Acq: 27 Feb 2023 14:34

Instrument :
MSVOA_Y
ClientSampleId :
B-19-SB02

Tgt Ion: 75 Resp: 26527
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 108.908 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY012735.D
Acq: 27 Feb 2023 14:34

Tgt Ion: 75 Resp: 26527
Ion Ratio Lower Upper
75 100
53 0.0 80.4 120.6#
89 0.0 36.5 54.7#

