

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080123\
 Data File : VY014925.D
 Acq On : 01 Aug 2023 13:10
 Operator : SY/MD
 Sample : 03756-21RE
 Misc : 4.27g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 415/417-TP-1-(3-4)

Quant Time: Aug 02 01:55:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 14 02:09:50 2023
 Response via : Initial Calibration

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

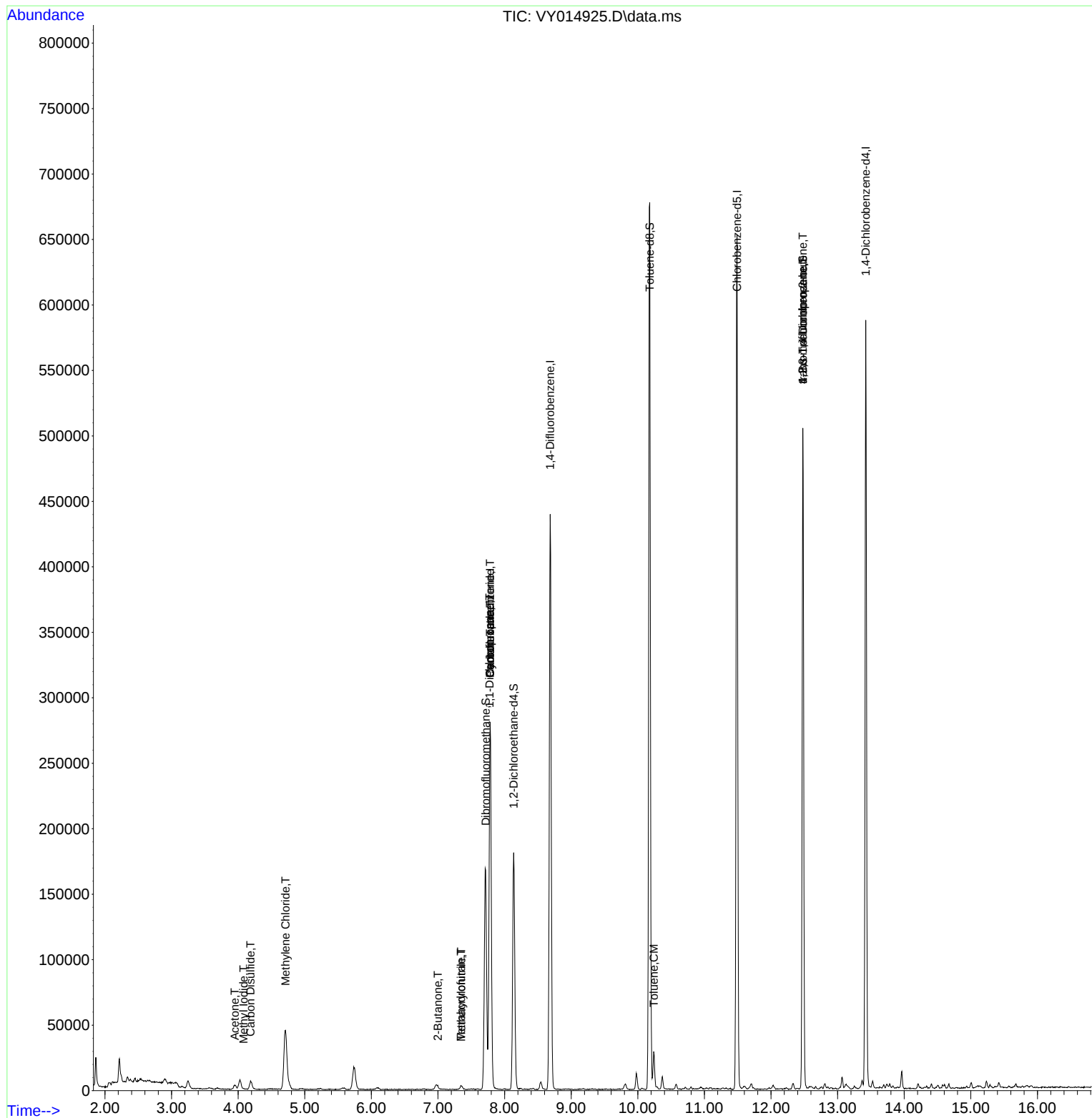
Internal Standards						
1) Pentafluorobenzene	7.783	168	219183	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	379528	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	352633	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	145943	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	141846	56.791	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 113.580%			
35) Dibromofluoromethane	7.716	113	120909	50.045	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.100%			
50) Toluene-d8	10.179	98	455022	51.085	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.160%			
62) 4-Bromofluorobenzene	12.477	95	153910	45.064	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 90.120%			
Target Compounds						Qvalue
10) Methyl Iodide	4.082	142	555	2.585	ug/l #	56
11) Tert butyl alcohol	4.948	59	860	Below Cal	#	89
16) Acetone	3.948	43	5869	7.415	ug/l #	86
17) Carbon Disulfide	4.186	76	11908	1.927	ug/l	96
20) Methylene Chloride	4.710	84	36141	10.740	ug/l #	83
25) 2-Butanone	6.996	43	1717	1.483	ug/l	98
29) Tetrahydrofuran	7.344	42	2170	3.043	ug/l	98
31) Cyclohexane	7.783	56	4890	1.179	ug/l #	8
36) 1,1-Dichloropropene	7.777	75	17137	4.743	ug/l #	51
38) Carbon Tetrachloride	7.783	117	22419	5.870	ug/l #	16
41) Methacrylonitrile	7.350	41	1648	1.288	ug/l #	39
52) Toluene	10.240	92	11496	1.748	ug/l	88
76) 1,2,3-Trichloropropane	12.477	75	82419	44.715	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	82419	86.576	ug/l #	10

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

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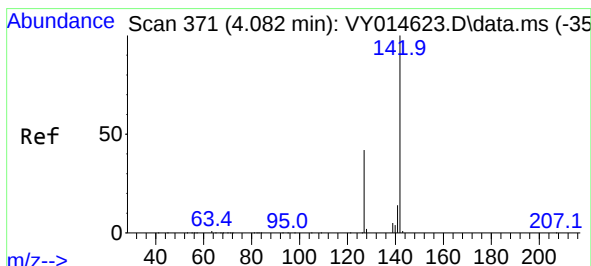
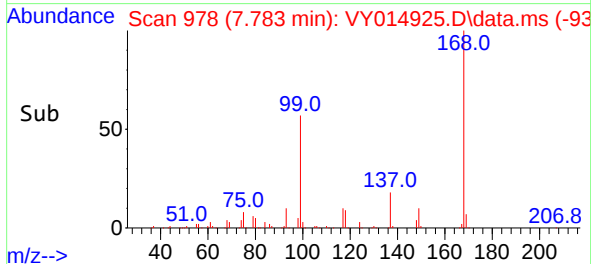
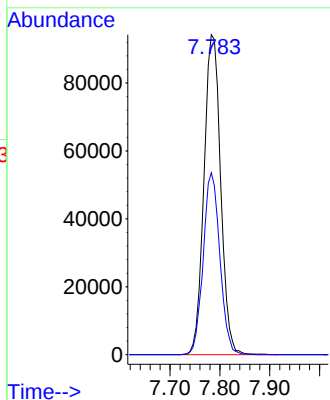
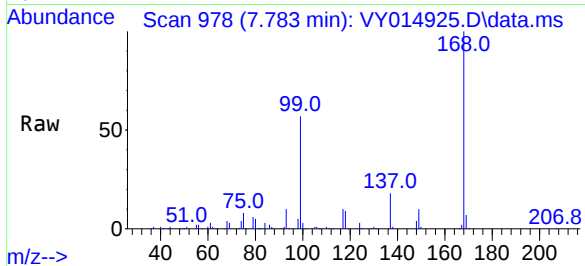




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014925.D
Acq: 01 Aug 2023 13:10

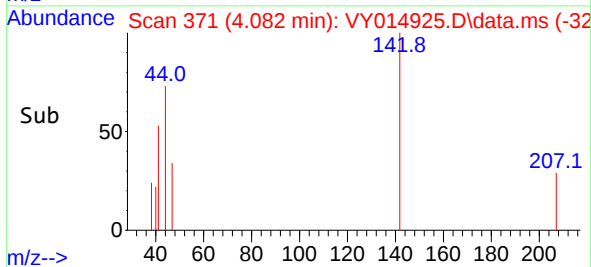
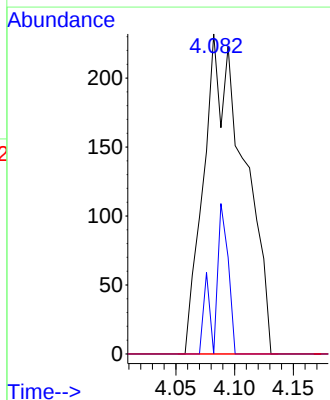
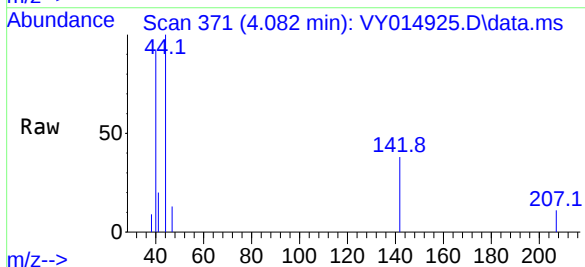
Instrument :
MSVOA_Y
ClientSampleId :
415/417-TP-1-(3-4)

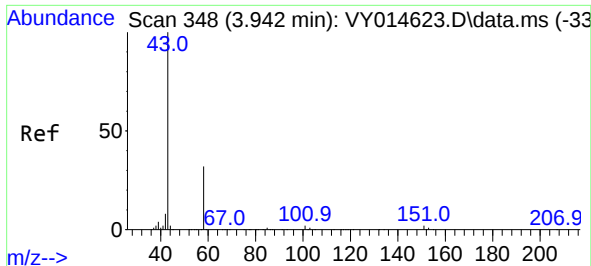
Tgt Ion:168 Resp: 219183
Ion Ratio Lower Upper
168 100
99 56.9 43.4 65.0



#10
Methyl Iodide
Concen: 2.585 ug/l
RT: 4.082 min Scan# 371
Delta R.T. 0.000 min
Lab File: VY014925.D
Acq: 01 Aug 2023 13:10

Tgt Ion:142 Resp: 555
Ion Ratio Lower Upper
142 100
127 15.7 37.6 56.4#
141 0.0 11.8 17.8#

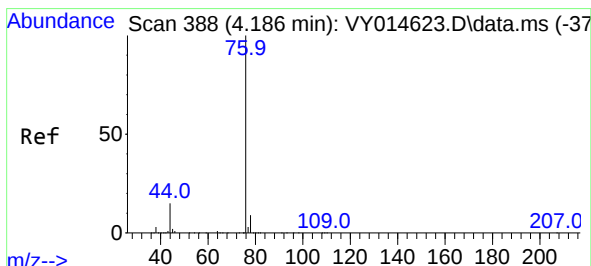
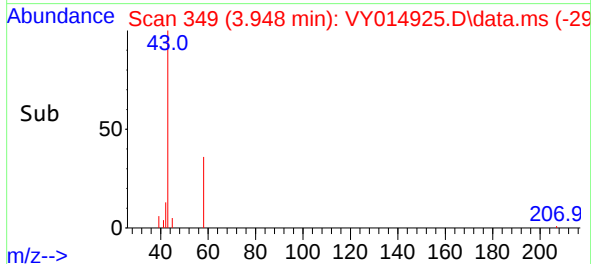
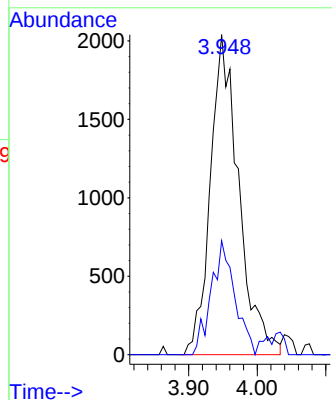
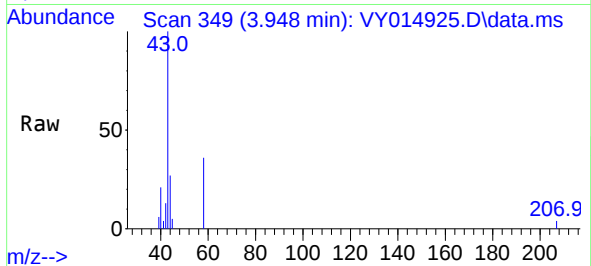




#16
Acetone
Concen: 7.415 ug/l
RT: 3.948 min Scan# 348
Delta R.T. 0.006 min
Lab File: VY014925.D
Acq: 01 Aug 2023 13:10

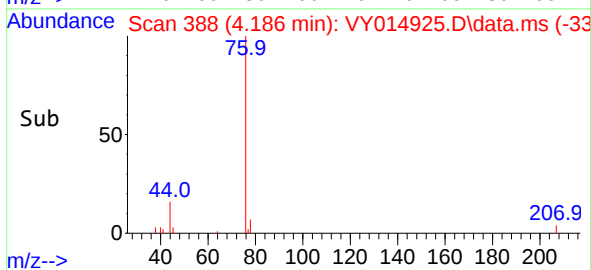
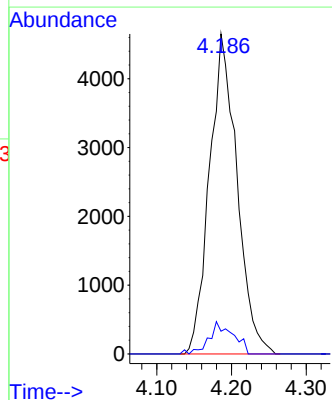
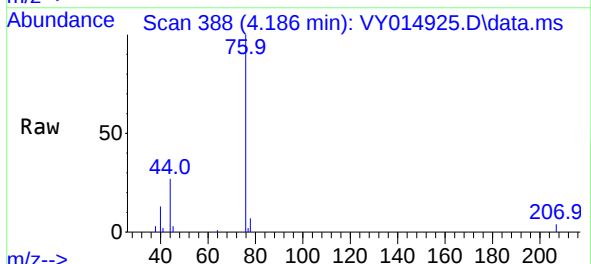
Instrument :
MSVOA_Y
ClientSampleId :
415/417-TP-1-(3-4)

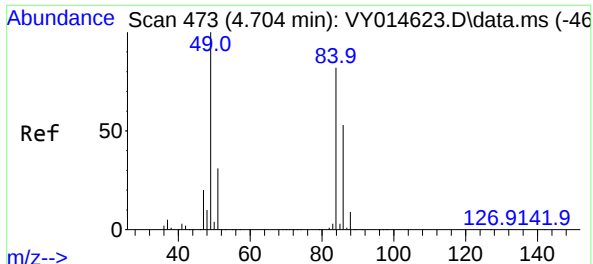
Tgt Ion: 43 Resp: 5869
Ion Ratio Lower Upper
43 100
58 35.6 22.7 34.1#



#17
Carbon Disulfide
Concen: 1.927 ug/l
RT: 4.186 min Scan# 388
Delta R.T. -0.000 min
Lab File: VY014925.D
Acq: 01 Aug 2023 13:10

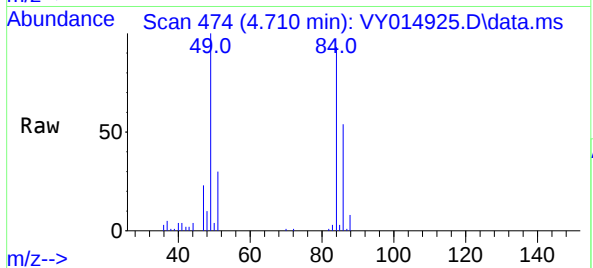
Tgt Ion: 76 Resp: 11908
Ion Ratio Lower Upper
76 100
78 7.1 7.0 10.4





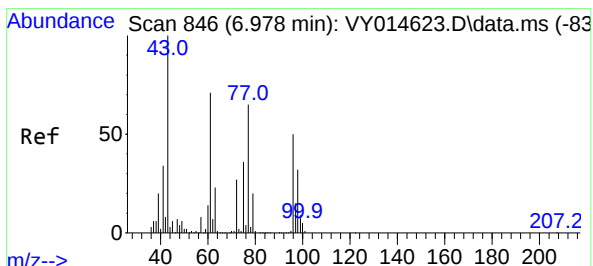
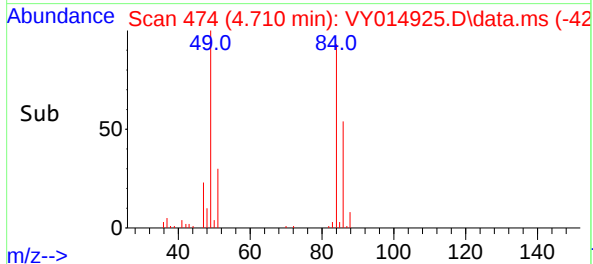
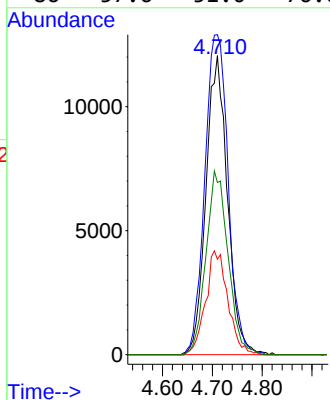
#20
Methylene Chloride
Concen: 10.740 ug/l
RT: 4.710 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY014925.D
Acq: 01 Aug 2023 13:10

Instrument :
MSVOA_Y
ClientSampleId :
415/417-TP-1-(3-4)



Tgt Ion: 84 Resp: 36141

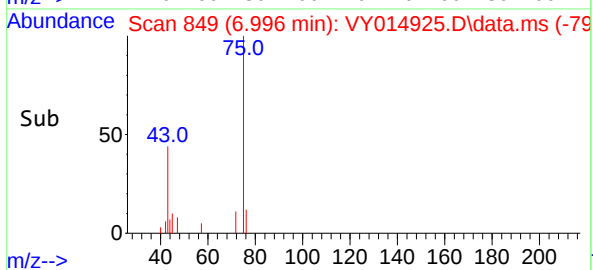
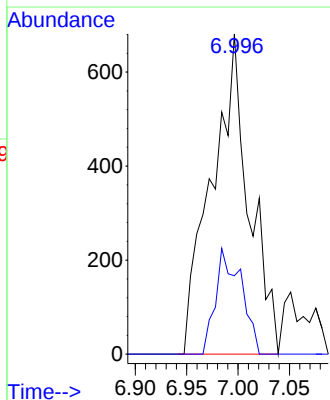
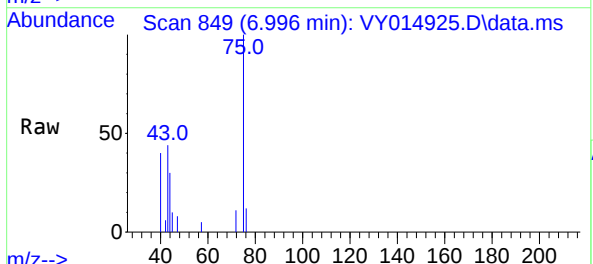
Ion	Ratio	Lower	Upper
84	100		
49	107.0	106.9	160.3
51	31.9	33.2	49.8#
86	57.6	51.0	76.6

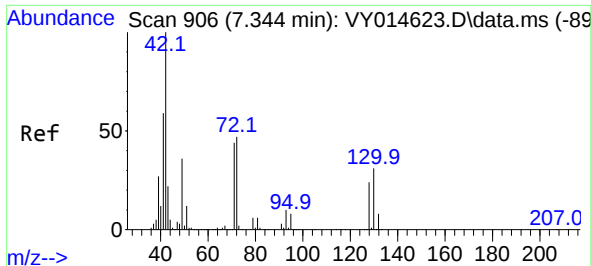


#25
2-Butanone
Concen: 1.483 ug/l
RT: 6.996 min Scan# 849
Delta R.T. 0.018 min
Lab File: VY014925.D
Acq: 01 Aug 2023 13:10

Tgt Ion: 43 Resp: 1717

Ion	Ratio	Lower	Upper
43	100		
72	24.5	20.5	30.7

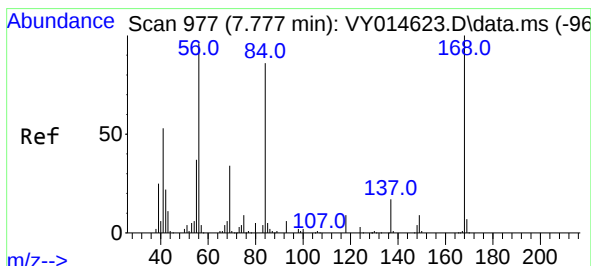
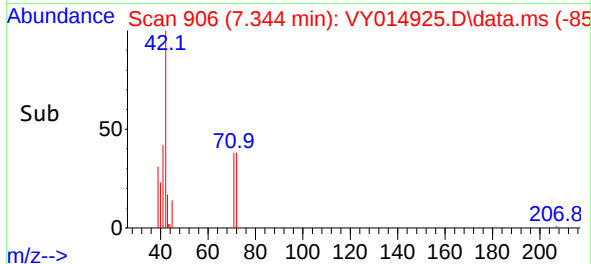
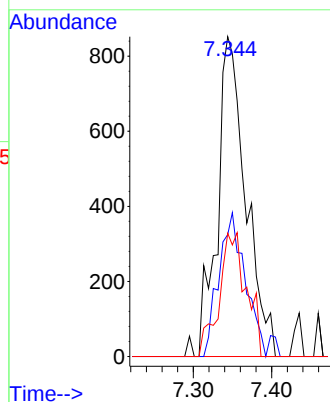
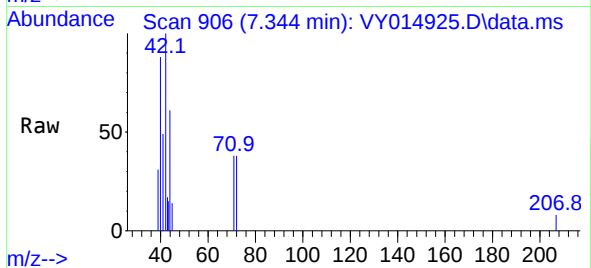




#29
Tetrahydrofuran
Concen: 3.043 ug/l
RT: 7.344 min Scan# 906
Delta R.T. -0.000 min
Lab File: VY014925.D
Acq: 01 Aug 2023 13:10

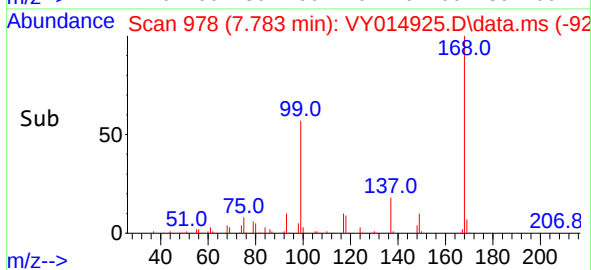
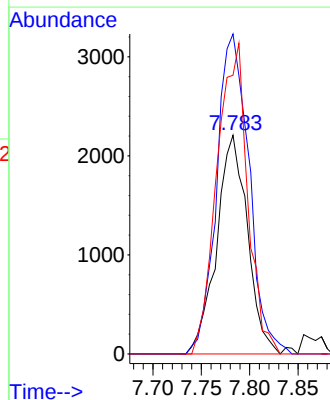
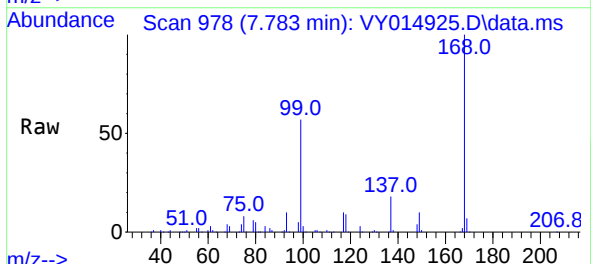
Instrument :
MSVOA_Y
ClientSampleId :
415/417-TP-1-(3-4)

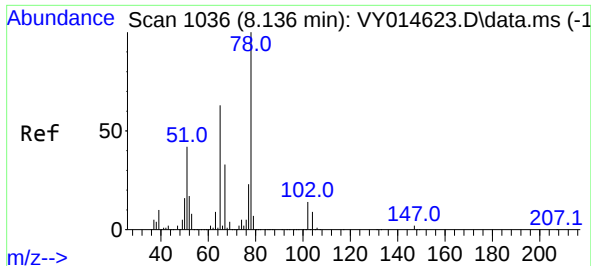
Tgt Ion:	42	Resp:	2170
Ion	Ratio	Lower	Upper
42	100		
72	41.4	32.8	49.2
71	36.8	31.0	46.4



#31
Cyclohexane
Concen: 1.179 ug/l
RT: 7.783 min Scan# 978
Delta R.T. 0.006 min
Lab File: VY014925.D
Acq: 01 Aug 2023 13:10

Tgt Ion:	56	Resp:	4890
Ion	Ratio	Lower	Upper
56	100		
69	146.3	27.8	41.6#
84	127.4	66.4	99.6#





#33

1,2-Dichloroethane-d4

Concen: 56.791 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY014925.D

Acq: 01 Aug 2023 13:10

Instrument :

MSVOA_Y

ClientSampleId :

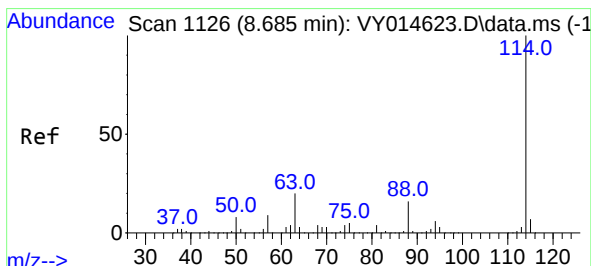
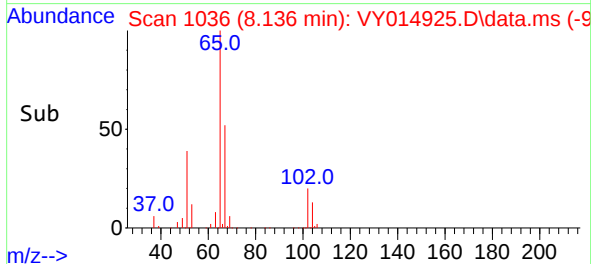
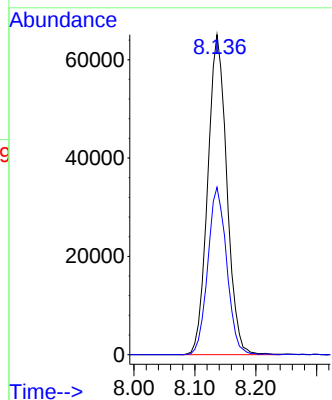
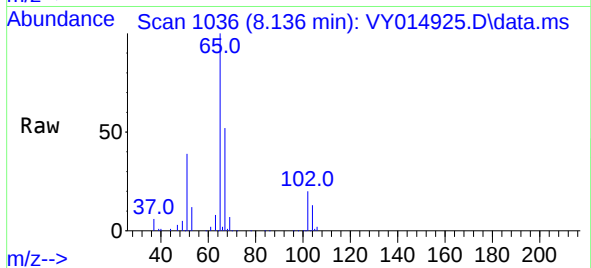
415/417-TP-1-(3-4)

Tgt Ion: 65 Resp: 141846

Ion Ratio Lower Upper

65 100

67 51.7 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY014925.D

Acq: 01 Aug 2023 13:10

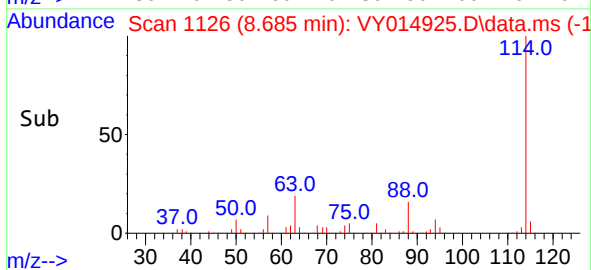
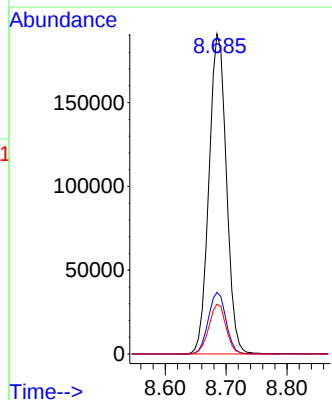
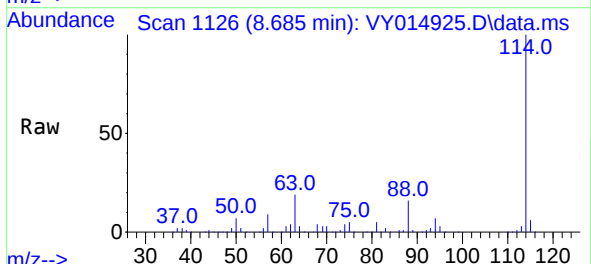
Tgt Ion: 114 Resp: 379528

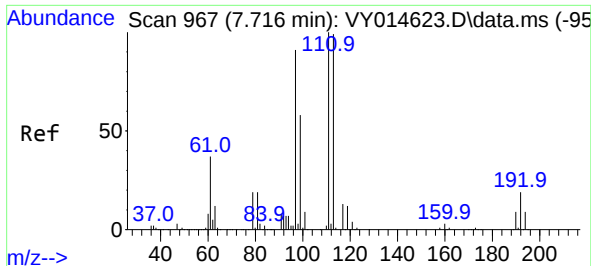
Ion Ratio Lower Upper

114 100

63 19.3 0.0 42.4

88 15.5 0.0 30.6

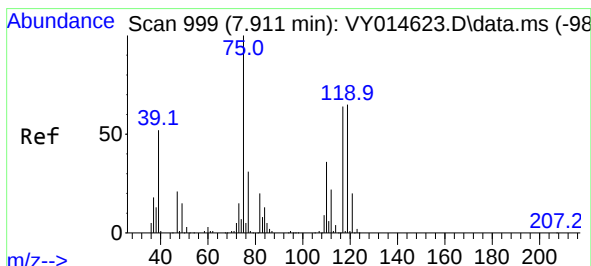
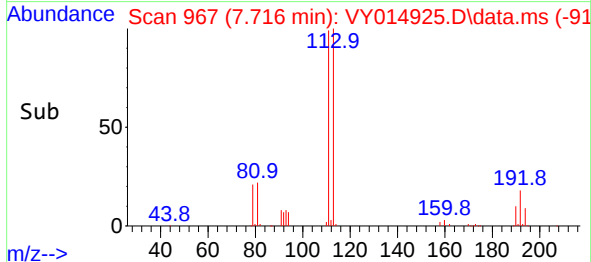
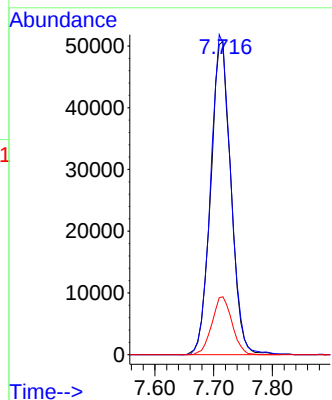
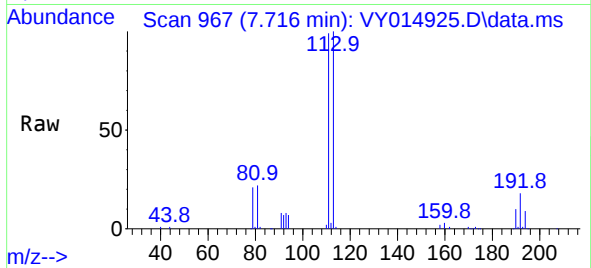




#35
Dibromofluoromethane
Concen: 50.045 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY014925.D
Acq: 01 Aug 2023 13:10

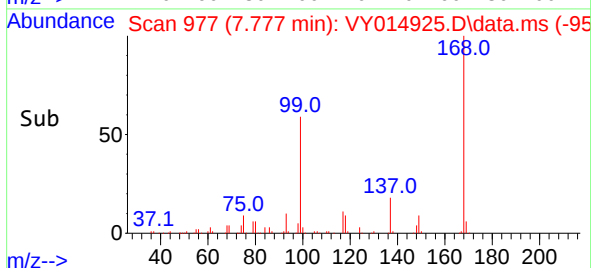
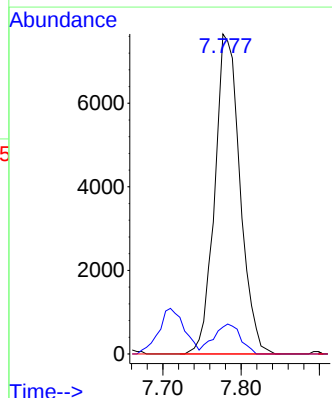
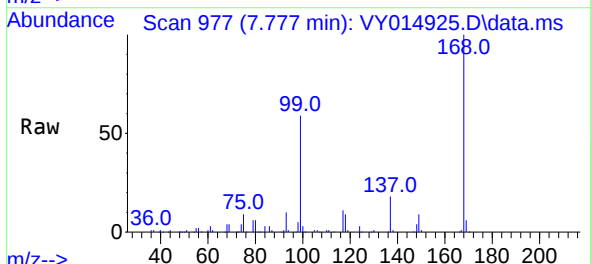
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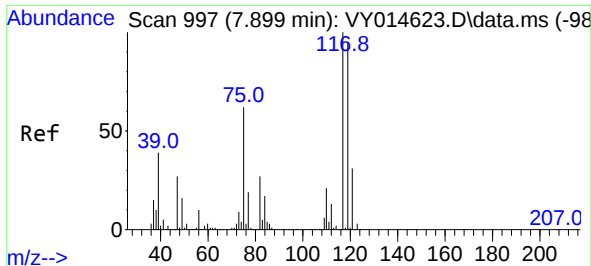
Tgt Ion:113 Resp: 120909
Ion Ratio Lower Upper
113 100
111 101.8 81.3 121.9
192 18.4 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.743 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.134 min
Lab File: VY014925.D
Acq: 01 Aug 2023 13:10

Tgt Ion: 75 Resp: 17137
Ion Ratio Lower Upper
75 100
110 9.9 17.8 53.5#
77 0.0 24.4 36.6#

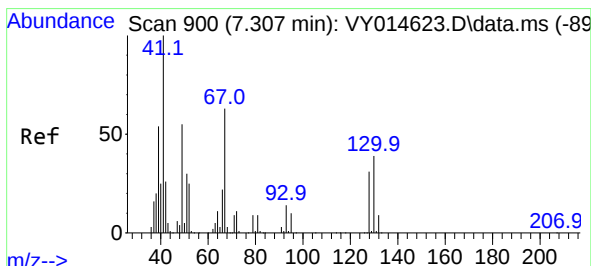
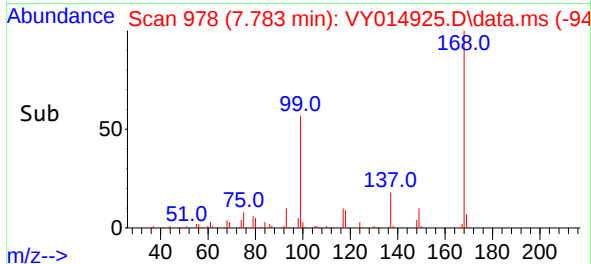
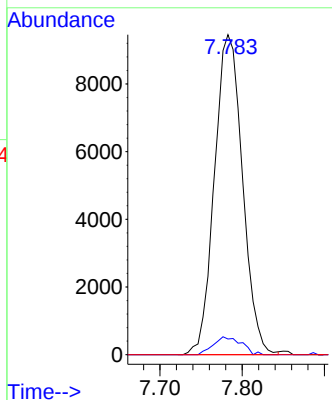
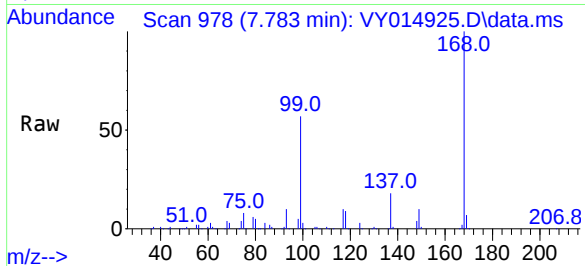




#38
Carbon Tetrachloride
Concen: 5.870 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY014925.D
Acq: 01 Aug 2023 13:10

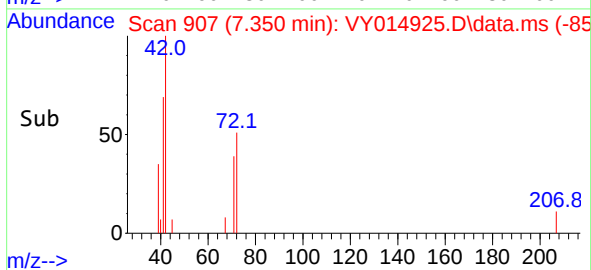
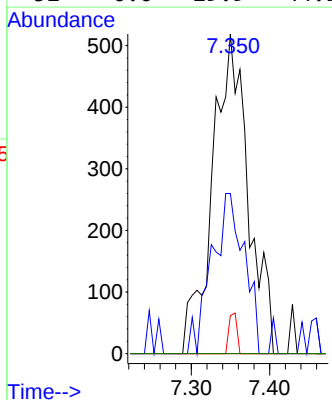
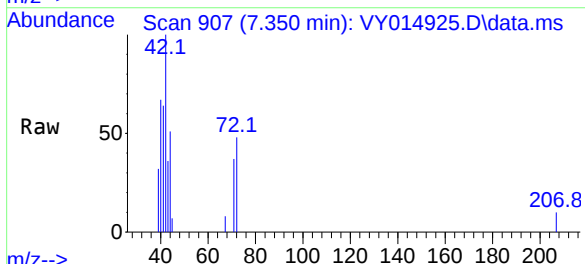
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415/417-TP-1-(3-4)

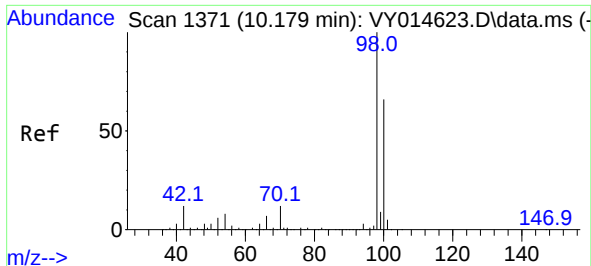
Tgt Ion:	117	Resp:	22419
Ion	Ratio	Lower	Upper
117	100		
119	4.9	76.4	114.6#
121	0.0	25.8	38.6#



#41
Methacrylonitrile
Concen: 1.288 ug/l
RT: 7.350 min Scan# 907
Delta R.T. 0.043 min
Lab File: VY014925.D
Acq: 01 Aug 2023 13:10

Tgt Ion:	41	Resp:	1648
Ion	Ratio	Lower	Upper
41	100		
39	45.5	52.1	78.1#
67	2.9	66.2	99.2#
52	0.0	29.9	44.9#

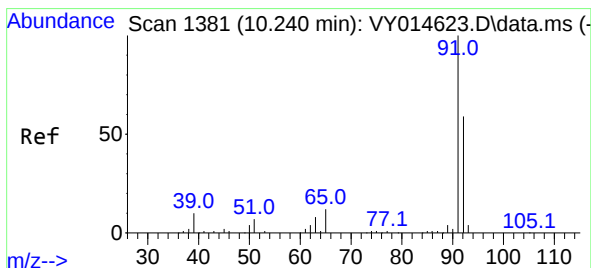
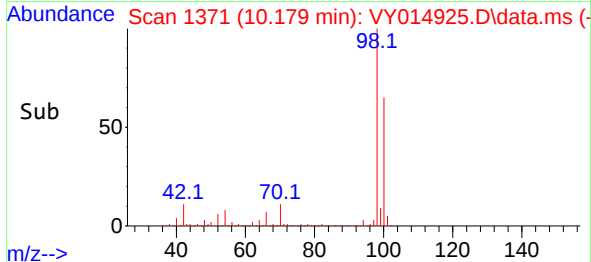
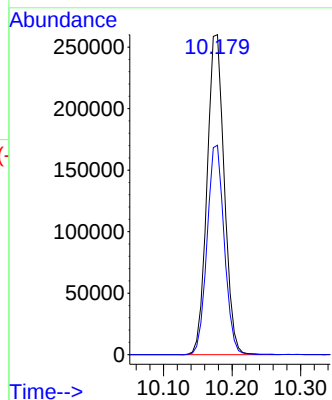
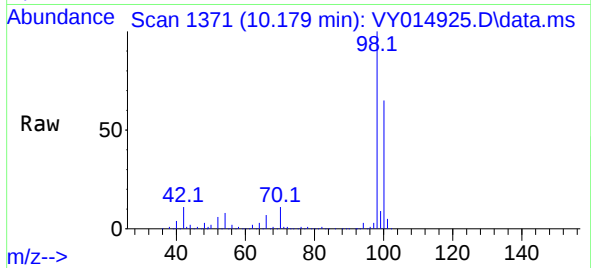




#50
Toluene-d8
Concen: 51.085 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY014925.D
Acq: 01 Aug 2023 13:10

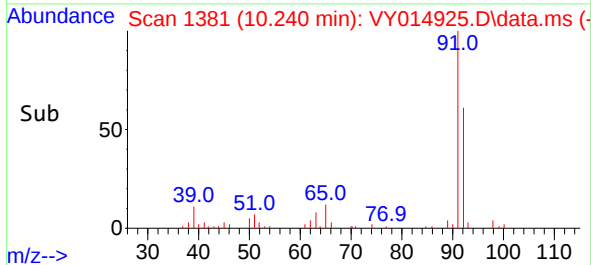
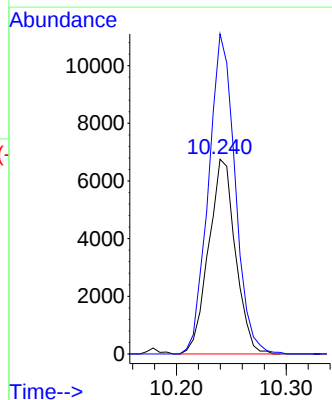
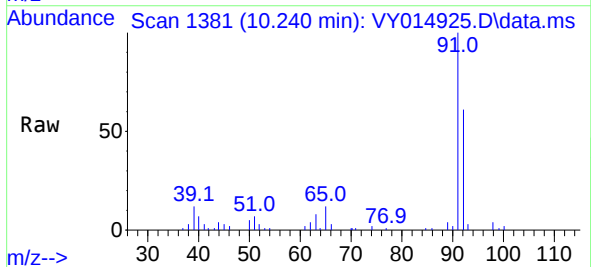
Instrument :
MSVOA_Y
ClientSampleId :
415/417-TP-1-(3-4)

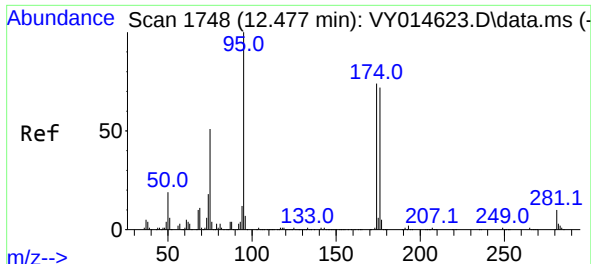
Tgt Ion: 98 Resp: 455022
Ion Ratio Lower Upper
98 100
100 65.2 50.1 75.1



#52
Toluene
Concen: 1.748 ug/l
RT: 10.240 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VY014925.D
Acq: 01 Aug 2023 13:10

Tgt Ion: 92 Resp: 11496
Ion Ratio Lower Upper
92 100
91 163.2 143.8 215.6

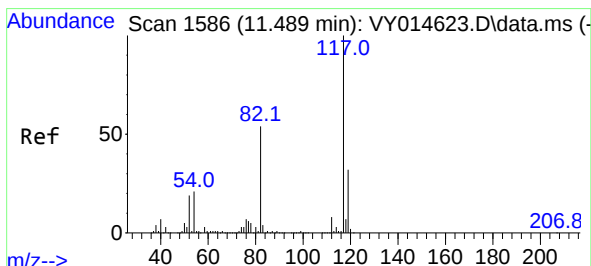
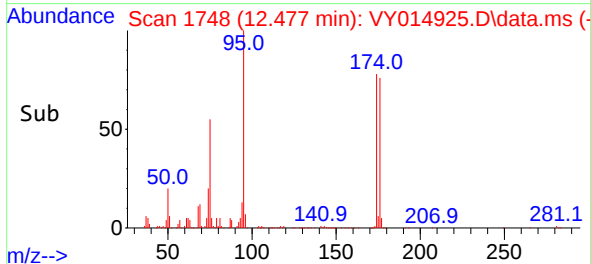
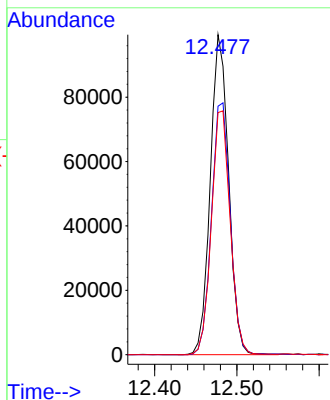
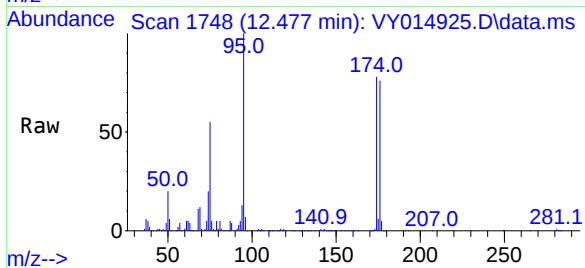




#62
4-Bromofluorobenzene
Concen: 45.064 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY014925.D
Acq: 01 Aug 2023 13:10

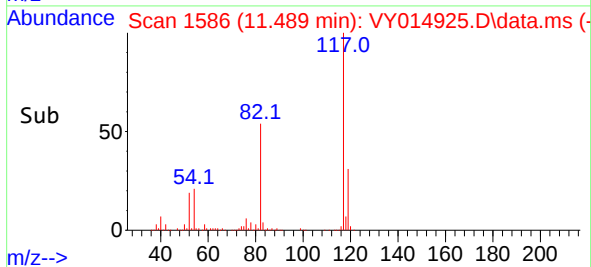
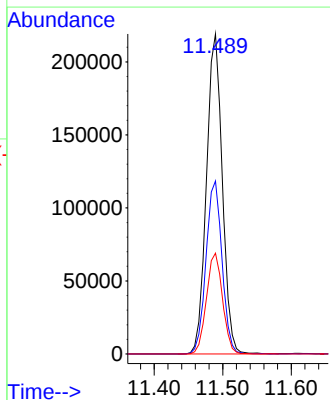
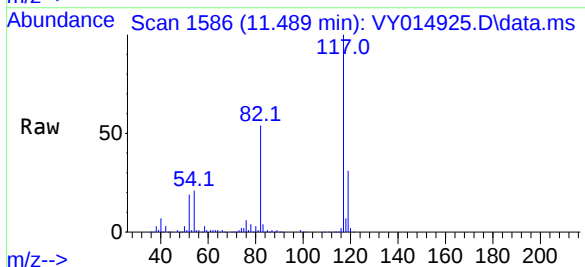
Instrument :
MSVOA_Y
ClientSampleId :
415/417-TP-1-(3-4)

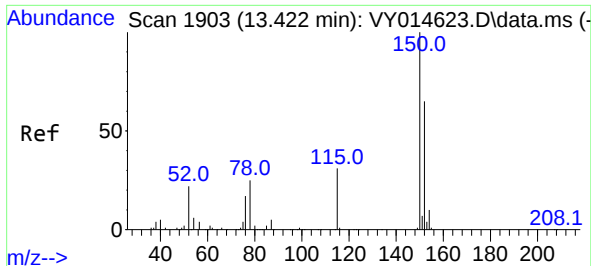
Tgt Ion: 95 Resp: 153910
Ion Ratio Lower Upper
95 100
174 81.0 0.0 178.2
176 78.3 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY014925.D
Acq: 01 Aug 2023 13:10

Tgt Ion: 117 Resp: 352633
Ion Ratio Lower Upper
117 100
82 54.1 43.4 65.0
119 31.5 26.3 39.5

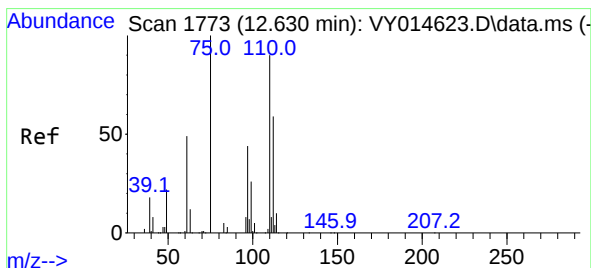
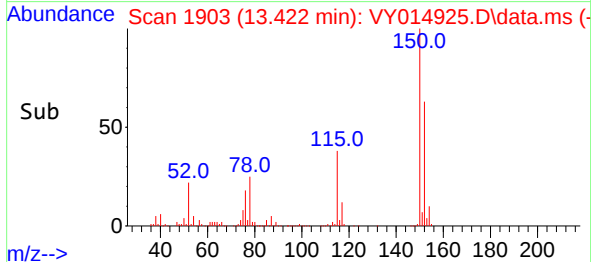
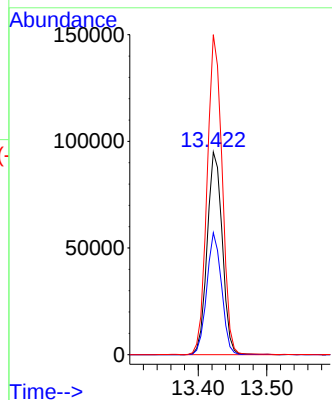
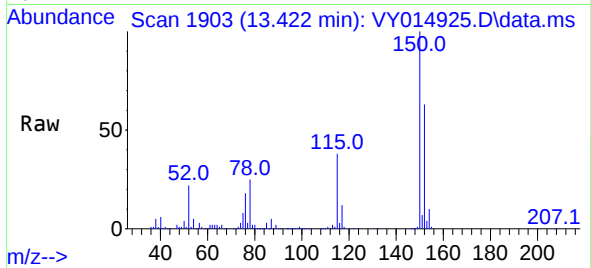




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY014925.D
Acq: 01 Aug 2023 13:10

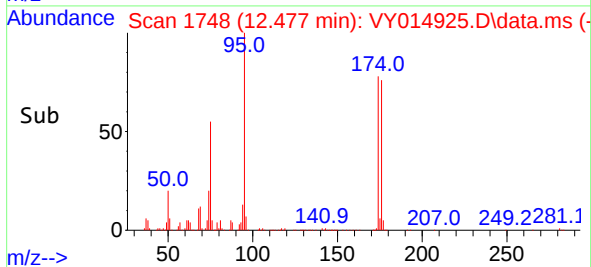
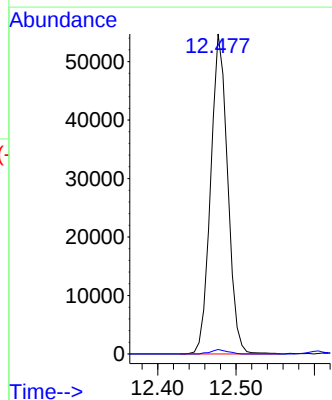
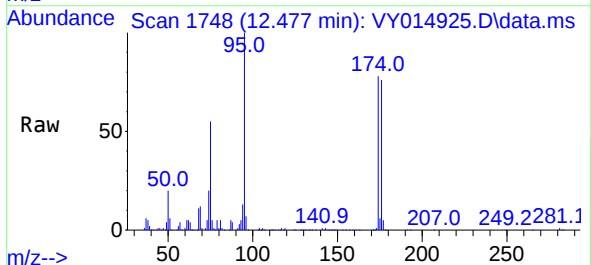
Instrument :
MSVOA_Y
ClientSampleId :
415/417-TP-1-(3-4)

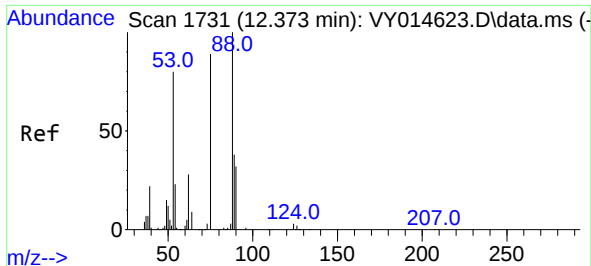
Tgt Ion:152 Resp: 145943
Ion Ratio Lower Upper
152 100
115 58.8 28.8 86.5
150 157.0 0.0 348.8



#76
1,2,3-Trichloropropane
Concen: 44.715 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY014925.D
Acq: 01 Aug 2023 13:10

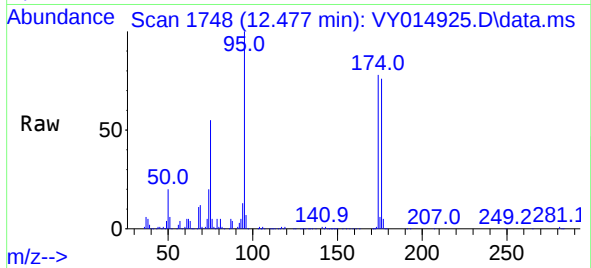
Tgt Ion: 75 Resp: 82419
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 86.576 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY014925.D
 Acq: 01 Aug 2023 13:10

Instrument :
 MSVOA_Y
 ClientSampleId :
 415/417-TP-1-(3-4)



Tgt Ion: 75 Resp: 82419
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.8 116.8#
 89 0.0 37.4 56.0#

