

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042423\
 Data File : VY013413.D
 Acq On : 24 Apr 2023 20:10
 Operator : KP/MD
 Sample : 02371-17
 Misc : 5.04g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-16-9.0-9.5

Quant Time: Apr 25 03:18:52 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:39:58 2023
 Response via : Initial Calibration

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

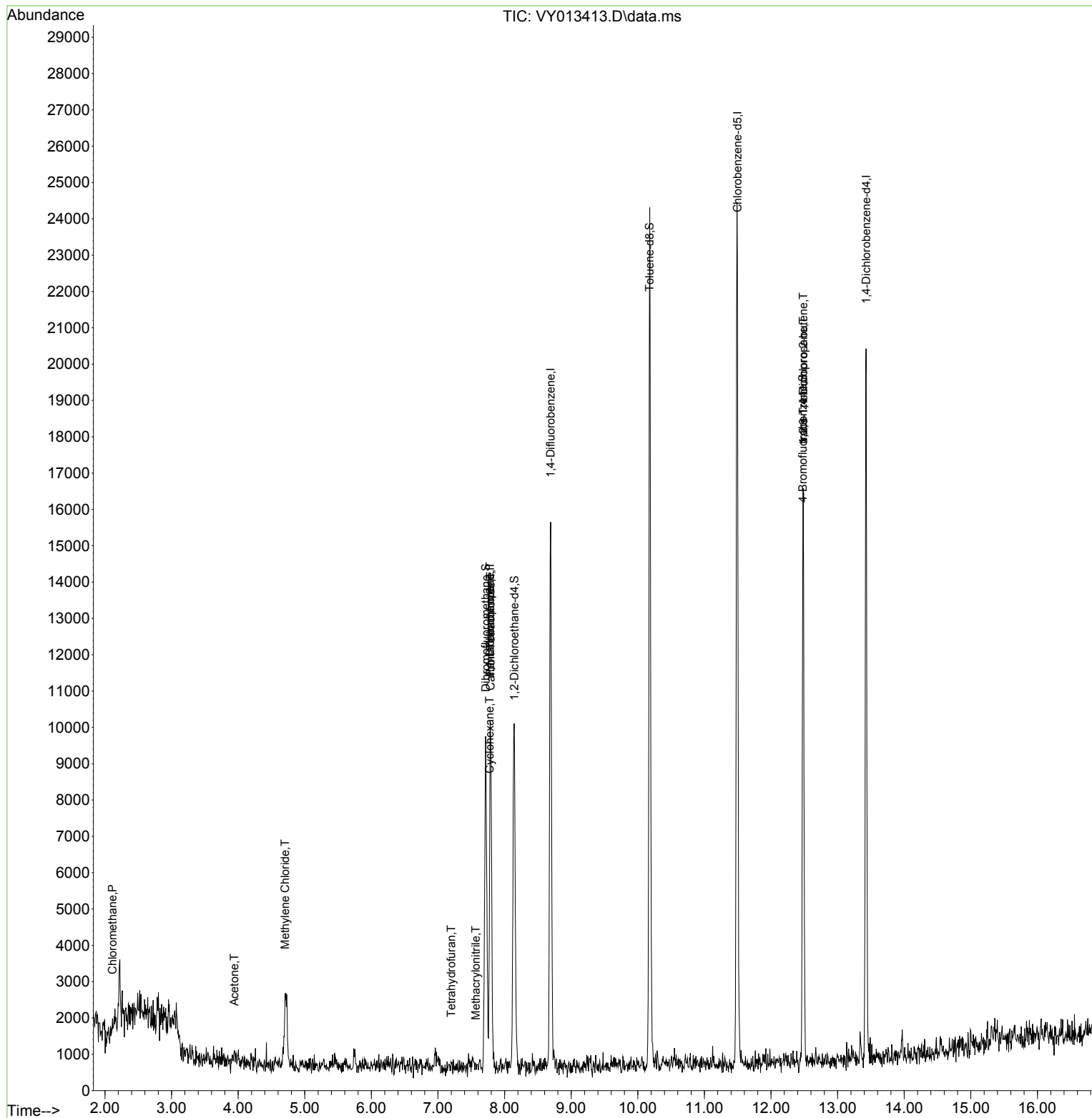
Internal Standards						
1) Pentafluorobenzene	7.783	168	7631	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.691	114	12531	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	14137	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	4979	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	8028	95.968	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 191.940%#	
35) Dibromofluoromethane	7.716	113	6117	77.613	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 155.220%#	
50) Toluene-d8	10.179	98	14933	53.261	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 106.520%	
62) 4-Bromofluorobenzene	12.477	95	5099	53.946	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 107.900%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	227	2.334	ug/l	# 42
13) Acrolein	3.552	56	22	Below Cal	#	77
16) Acetone	3.942	43	359	10.898	ug/l	90
20) Methylene Chloride	4.704	84	1011	2.036	ug/l	# 62
29) Tetrahydrofuran	7.198	42	38	1.461	ug/l	# 32
31) Cyclohexane	7.777	56	192	1.282	ug/l	# 41
36) 1,1-Dichloropropene	7.783	75	585	4.472	ug/l	# 40
38) Carbon Tetrachloride	7.789	117	884	6.448	ug/l	# 11
41) Methacrylonitrile	7.569	41	49	1.068	ug/l	# 16
76) 1,2,3-Trichloropropane	12.483	75	2353	35.042	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	2353	71.681	ug/l	# 12

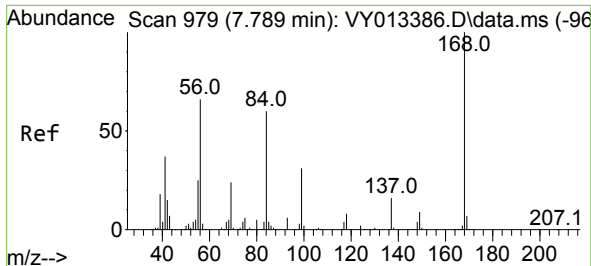
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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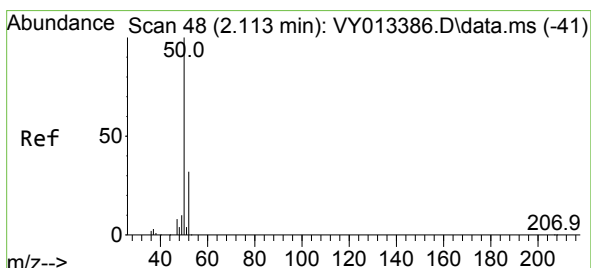
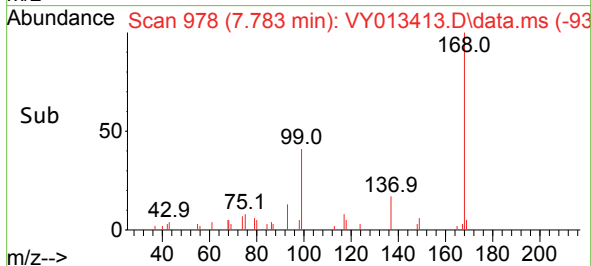
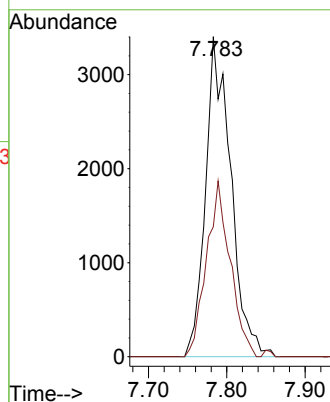
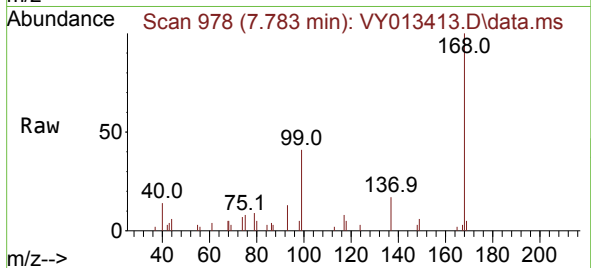




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013413.D
Acq: 24 Apr 2023 20:10

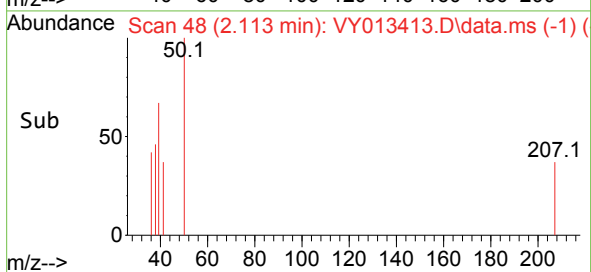
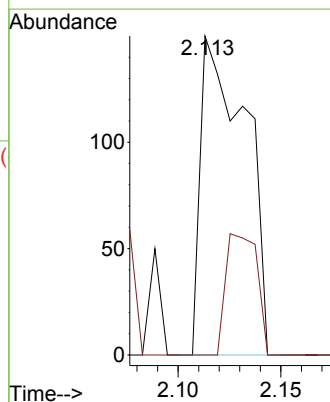
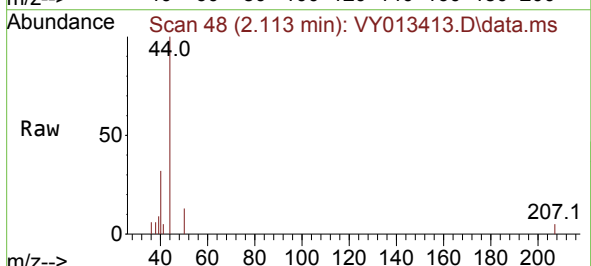
Instrument :
MSVOA_Y
ClientSampleId :
SB-16-9.0-9.5

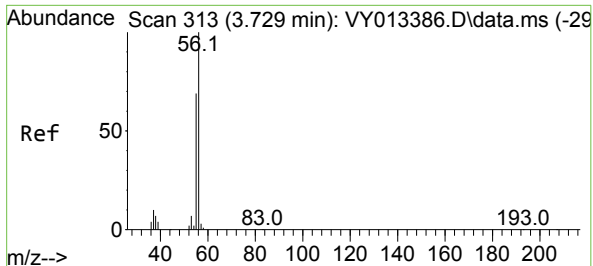
Tgt Ion:168 Resp: 7631
Ion Ratio Lower Upper
168 100
99 40.6 41.8 62.6#



#3
Chloromethane
Concen: 2.334 ug/l
RT: 2.113 min Scan# 48
Delta R.T. 0.000 min
Lab File: VY013413.D
Acq: 24 Apr 2023 20:10

Tgt Ion: 50 Resp: 227
Ion Ratio Lower Upper
50 100
52 0.0 25.9 38.9#

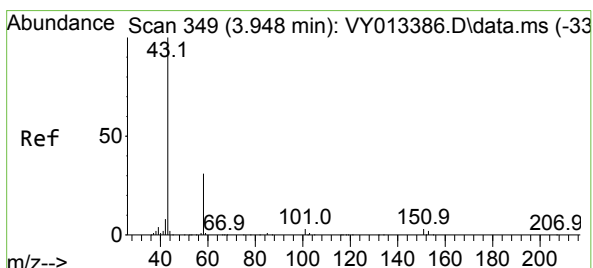
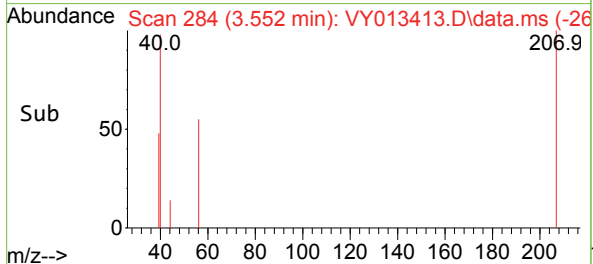
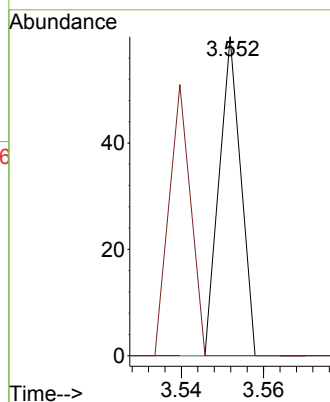
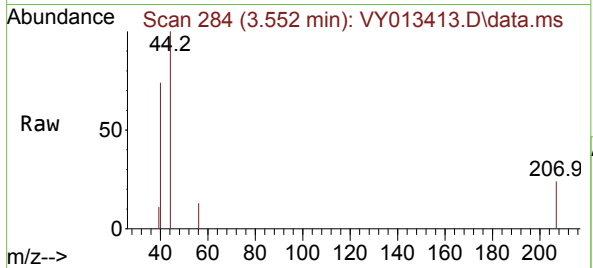




#13
Acrolein
Concen: Below Cal
RT: 3.552 min Scan# 21
Delta R.T. -0.177 min
Lab File: VY013413.D
Acq: 24 Apr 2023 20:10

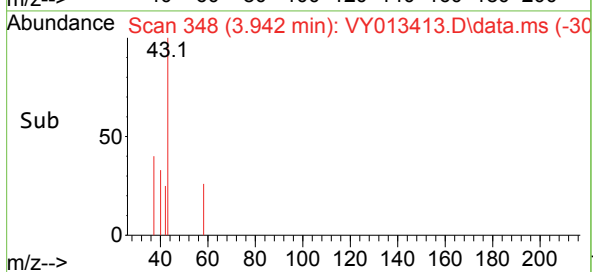
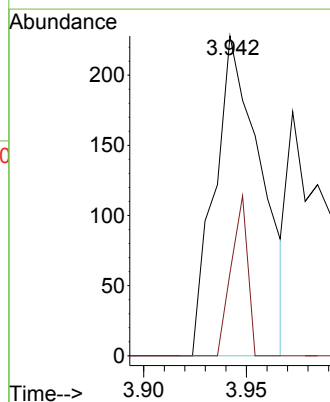
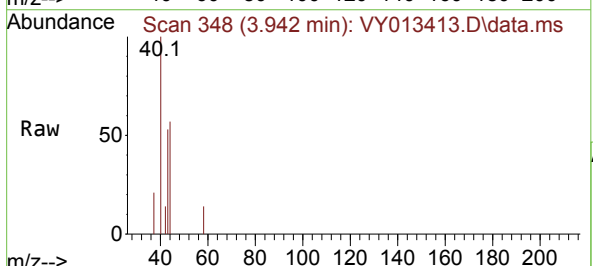
Instrument :
MSVOA_Y
ClientSampleId :
SB-16-9.0-9.5

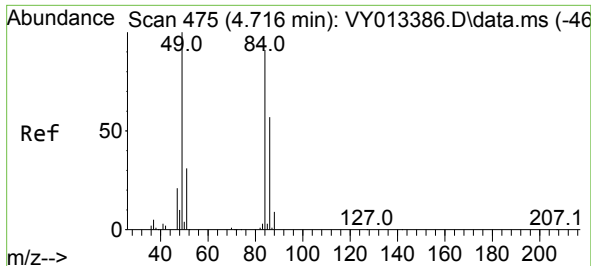
Tgt Ion: 56 Resp: 22
Ion Ratio Lower Upper
56 100
55 86.4 54.1 81.1#



#16
Acetone
Concen: 10.898 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.006 min
Lab File: VY013413.D
Acq: 24 Apr 2023 20:10

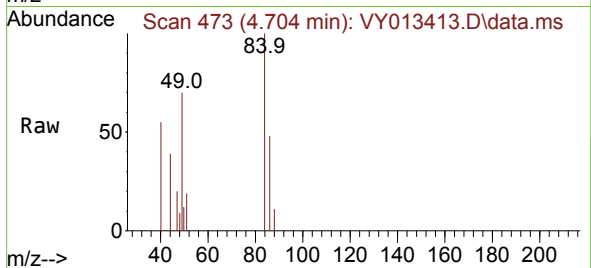
Tgt Ion: 43 Resp: 359
Ion Ratio Lower Upper
43 100
58 25.9 25.4 38.0



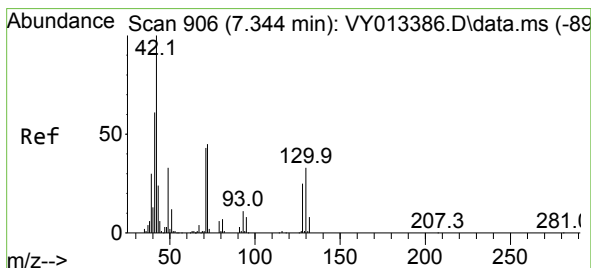
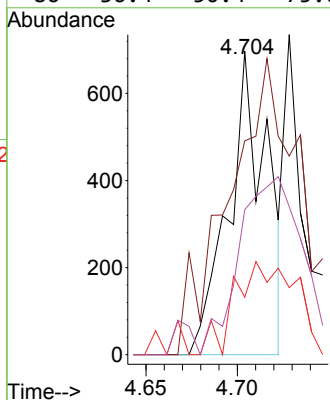
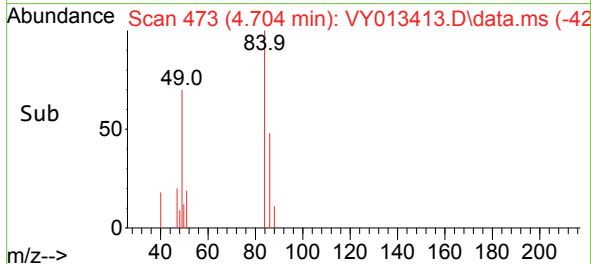


#20
Methylene Chloride
Concen: 2.036 ug/l
RT: 4.704 min Scan# 411
Delta R.T. -0.012 min
Lab File: VY013413.D
Acq: 24 Apr 2023 20:10

Instrument :
MSVOA_Y
ClientSampleId :
SB-16-9.0-9.5

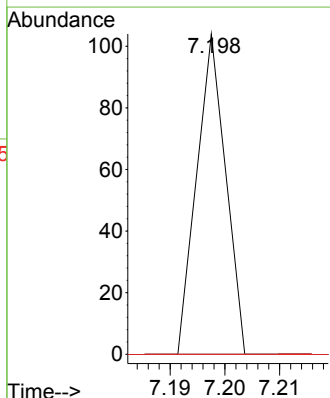
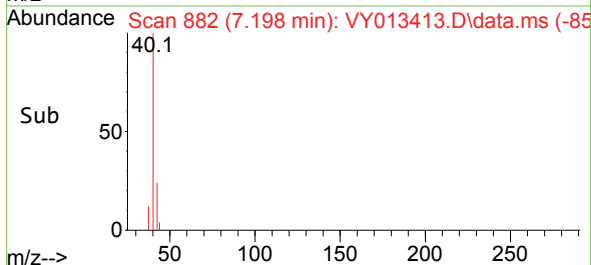
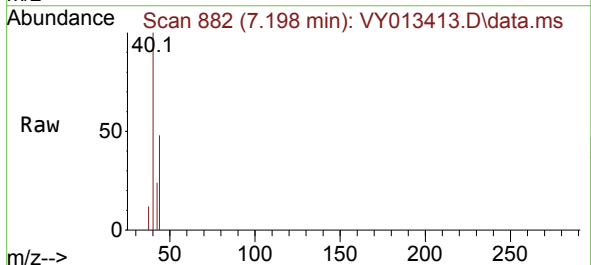


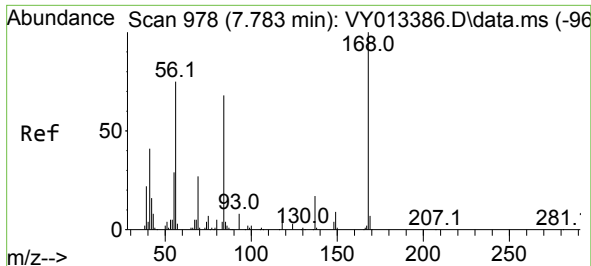
Tgt Ion: 84 Resp: 1011
Ion Ratio Lower Upper
84 100
49 70.4 88.0 132.0#
51 7.7 27.4 41.0#
86 36.4 50.4 75.6#



#29
Tetrahydrofuran
Concen: 1.461 ug/l
RT: 7.198 min Scan# 882
Delta R.T. -0.146 min
Lab File: VY013413.D
Acq: 24 Apr 2023 20:10

Tgt Ion: 42 Resp: 38
Ion Ratio Lower Upper
42 100
72 0.0 35.9 53.9#
71 0.0 34.3 51.5#

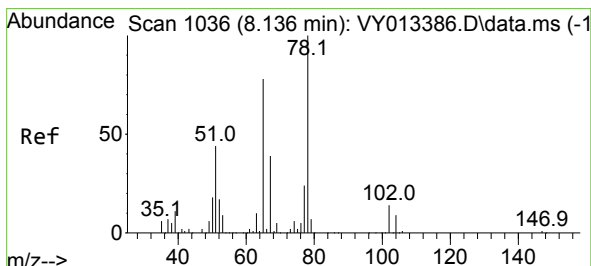
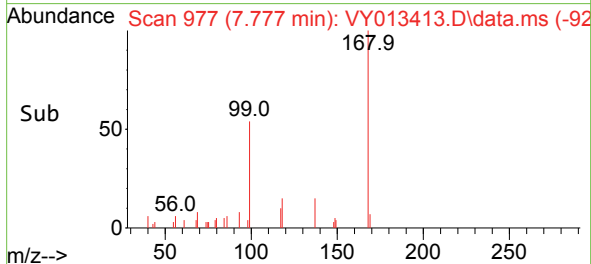
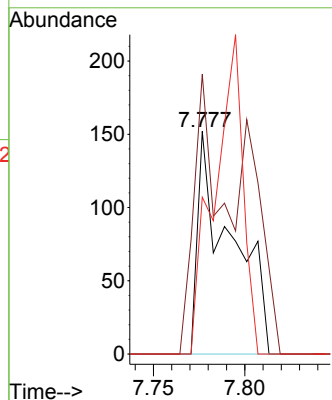
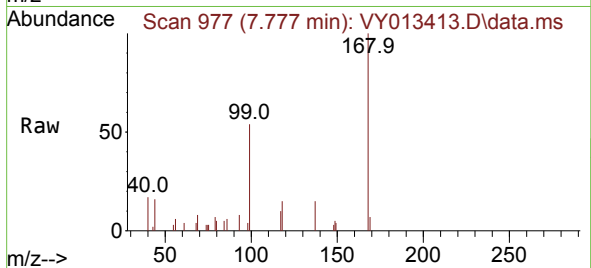




#31
Cyclohexane
Concen: 1.282 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013413.D
Acq: 24 Apr 2023 20:10

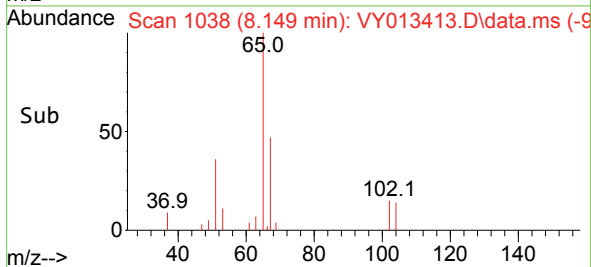
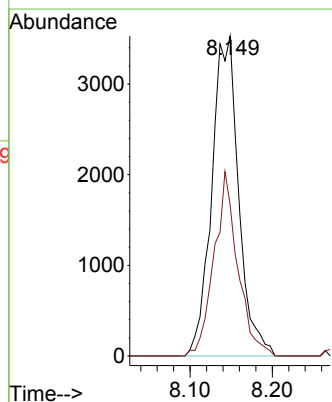
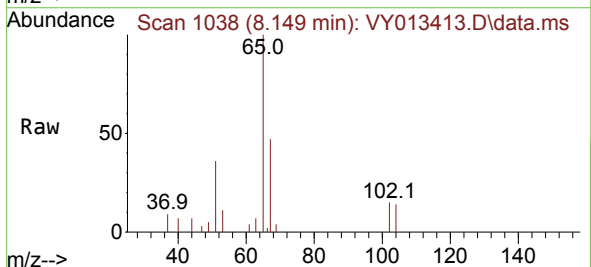
Instrument :
MSVOA_Y
ClientSampleId :
SB-16-9.0-9.5

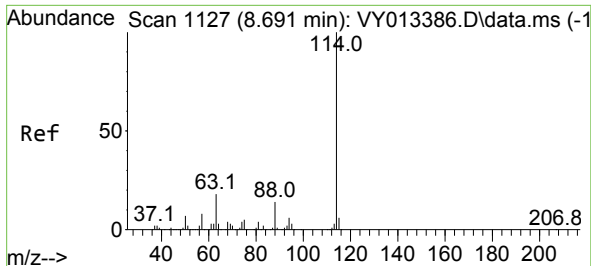
Tgt Ion: 56 Resp: 192
Ion Ratio Lower Upper
56 100
69 125.7 29.2 43.8#
84 70.4 73.0 109.6#



#33
1,2-Dichloroethane-d4
Concen: 95.968 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.013 min
Lab File: VY013413.D
Acq: 24 Apr 2023 20:10

Tgt Ion: 65 Resp: 8028
Ion Ratio Lower Upper
65 100
67 50.8 0.0 103.4

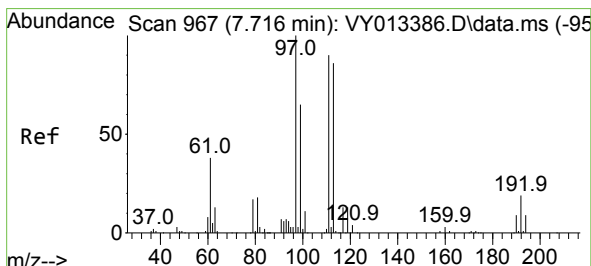
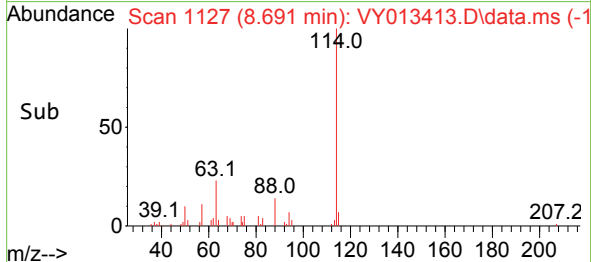
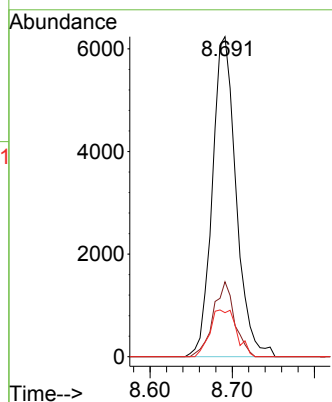
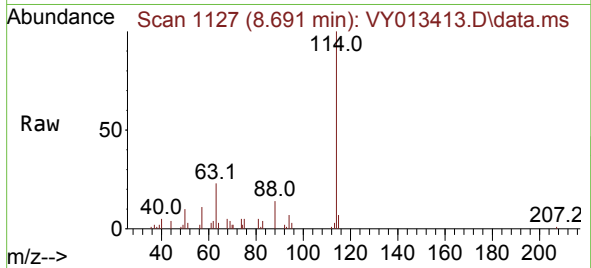




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY013413.D
Acq: 24 Apr 2023 20:10

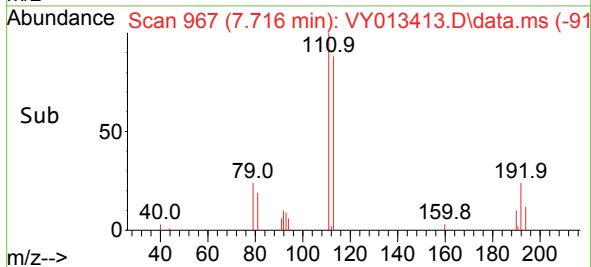
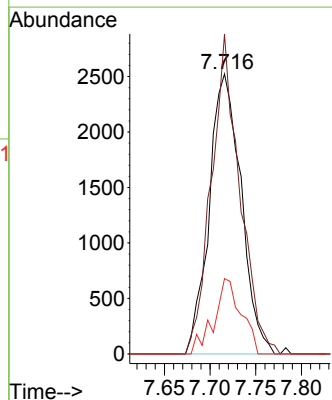
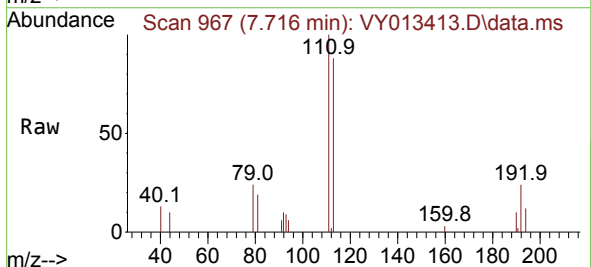
Instrument :
MSVOA_Y
ClientSampleId :
SB-16-9.0-9.5

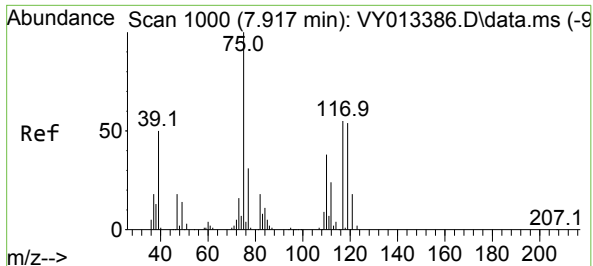
Tgt Ion:114	Resp:	12531
Ion	Ratio	Lower Upper
114	100	
63	23.4	0.0 36.6
88	13.8	0.0 28.8



#35
Dibromofluoromethane
Concen: 77.613 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY013413.D
Acq: 24 Apr 2023 20:10

Tgt Ion:113	Resp:	6117
Ion	Ratio	Lower Upper
113	100	
111	102.0	82.2 123.2
192	22.9	16.7 25.1

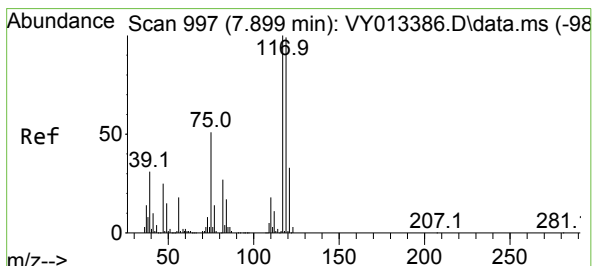
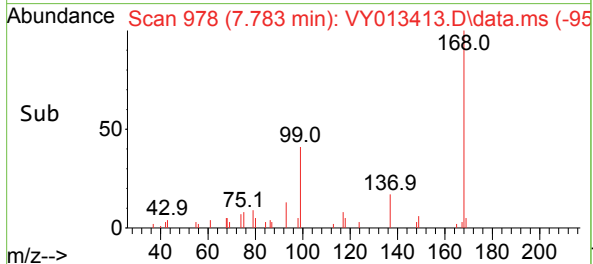
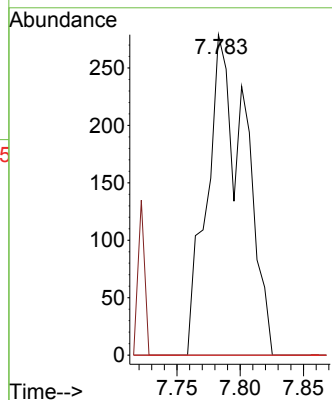
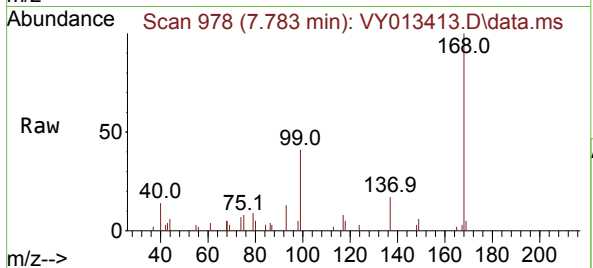




#36
1,1-Dichloropropene
Concen: 4.472 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.134 min
Lab File: VY013413.D
Acq: 24 Apr 2023 20:10

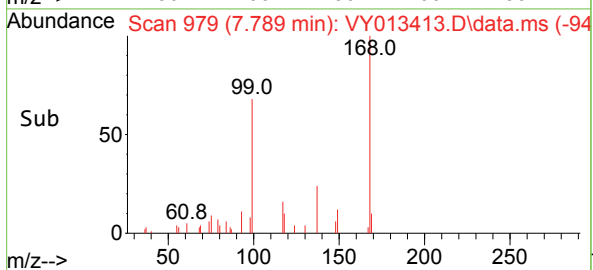
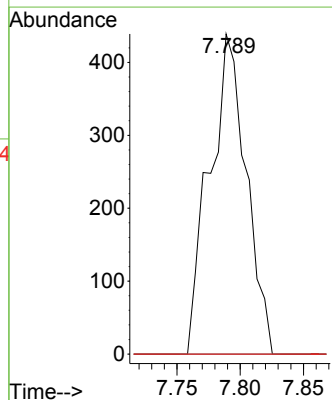
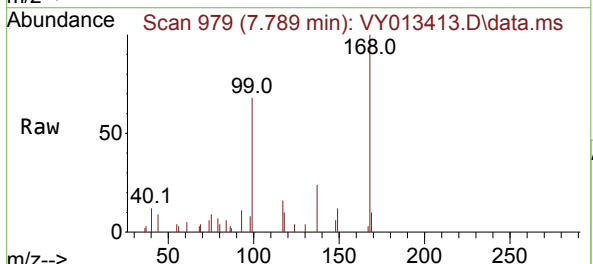
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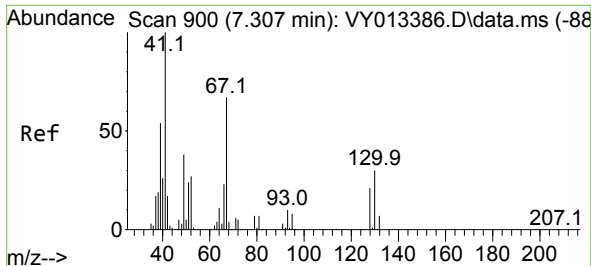
Tgt Ion: 75 Resp: 585
Ion Ratio Lower Upper
75 100
110 0.0 18.7 56.1#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 6.448 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.110 min
Lab File: VY013413.D
Acq: 24 Apr 2023 20:10

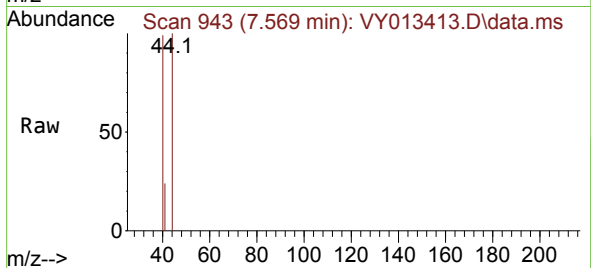
Tgt Ion: 117 Resp: 884
Ion Ratio Lower Upper
117 100
119 0.0 79.0 118.6#
121 0.0 26.6 40.0#



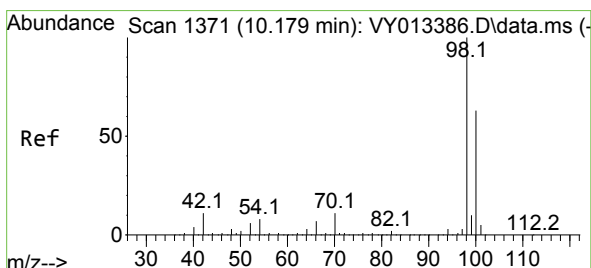
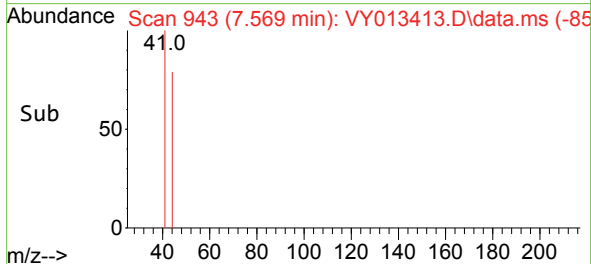
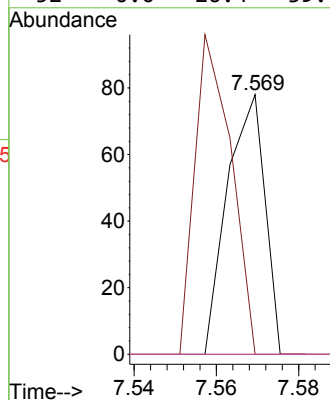


#41
Methacrylonitrile
Concen: 1.068 ug/l
RT: 7.569 min Scan# 941
Delta R.T. 0.262 min
Lab File: VY013413.D
Acq: 24 Apr 2023 20:10

Instrument :
MSVOA_Y
ClientSampleId :
SB-16-9.0-9.5

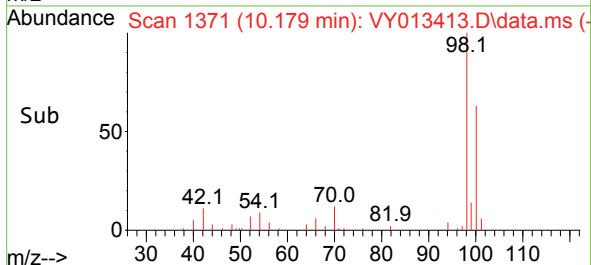
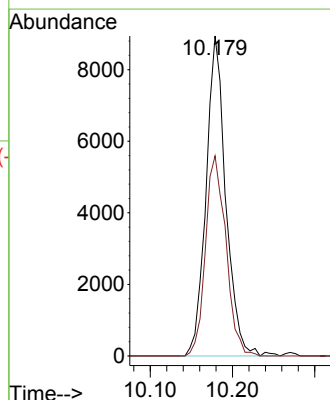
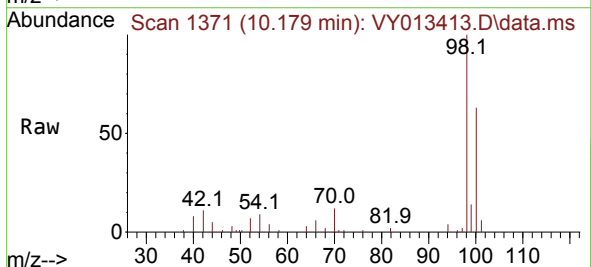


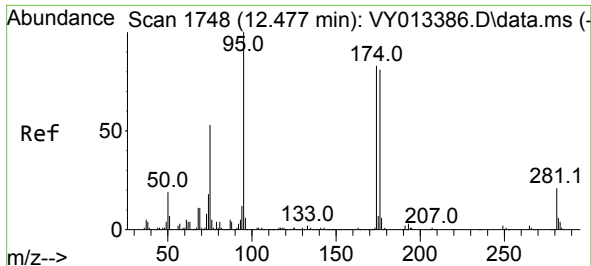
Tgt Ion:	41	Resp:	49
Ion	Ratio	Lower	Upper
41	100		
39	120.4	44.2	66.4#
67	0.0	62.9	94.3#
52	0.0	26.4	39.6#



#50
Toluene-d8
Concen: 53.261 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY013413.D
Acq: 24 Apr 2023 20:10

Tgt Ion:	98	Resp:	14933
Ion	Ratio	Lower	Upper
98	100		
100	64.7	50.5	75.7

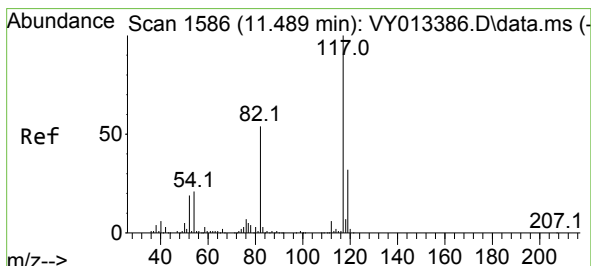
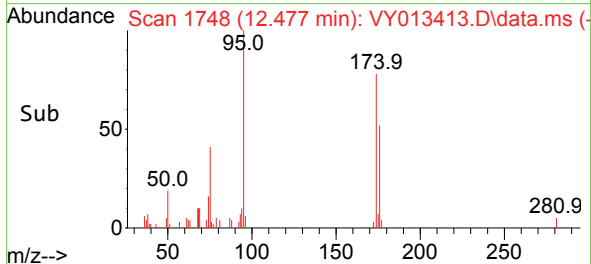
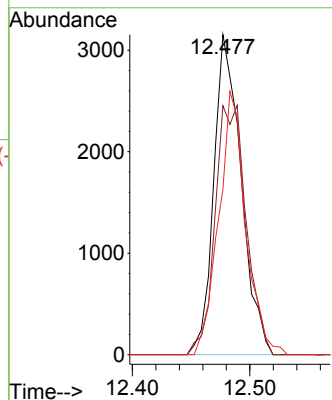
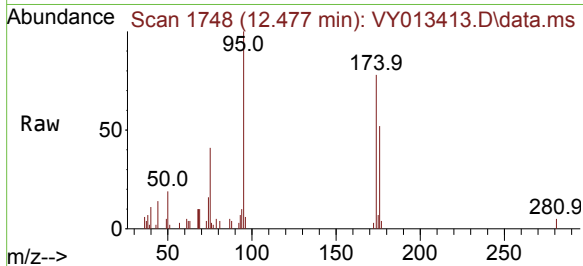




#62
4-Bromofluorobenzene
Concen: 53.946 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY013413.D
Acq: 24 Apr 2023 20:10

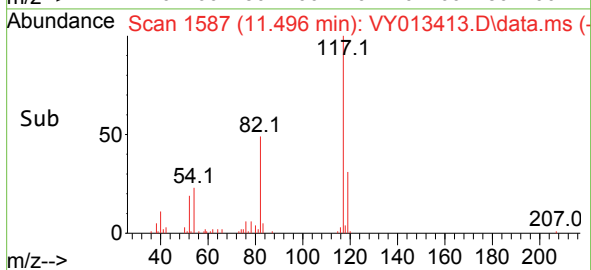
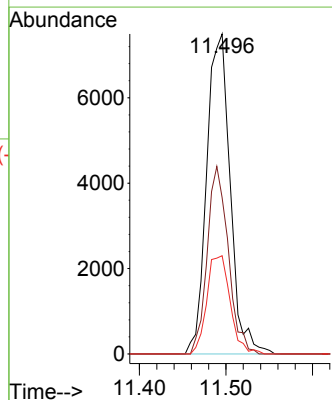
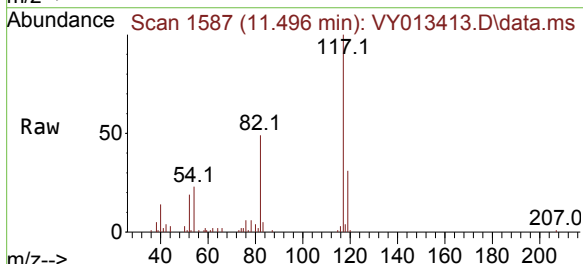
Instrument :
MSVOA_Y
ClientSampleId :
SB-16-9.0-9.5

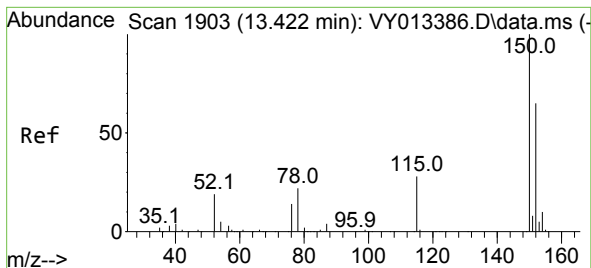
Tgt Ion: 95 Resp: 5099
Ion Ratio Lower Upper
95 100
174 88.6 0.0 182.0
176 81.2 0.0 175.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.007 min
Lab File: VY013413.D
Acq: 24 Apr 2023 20:10

Tgt Ion: 117 Resp: 14137
Ion Ratio Lower Upper
117 100
82 48.8 43.0 64.6
119 30.7 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1903

Delta R.T. 0.006 min

Lab File: VY013413.D

Acq: 24 Apr 2023 20:10

Instrument :

MSVOA_Y

ClientSampleId :

SB-16-9.0-9.5

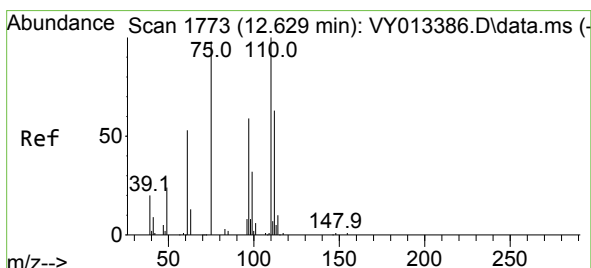
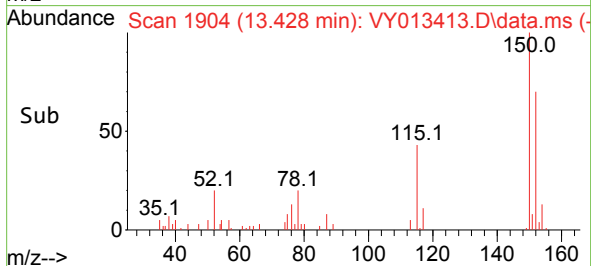
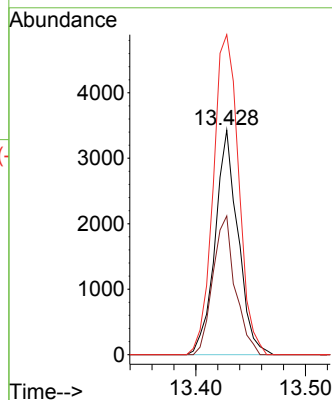
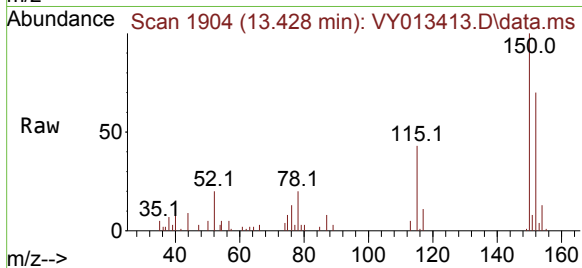
Tgt Ion:152 Resp: 4979

Ion Ratio Lower Upper

152 100

115 60.3 28.1 84.2

150 158.2 0.0 352.0



#76

1,2,3-Trichloropropane

Concen: 35.042 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.146 min

Lab File: VY013413.D

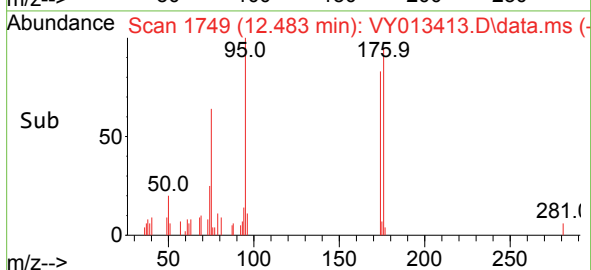
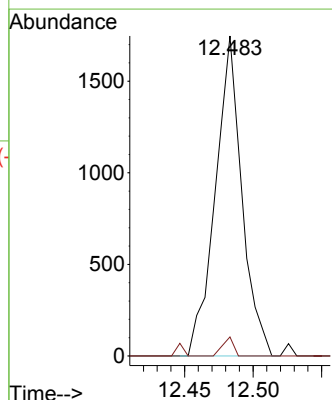
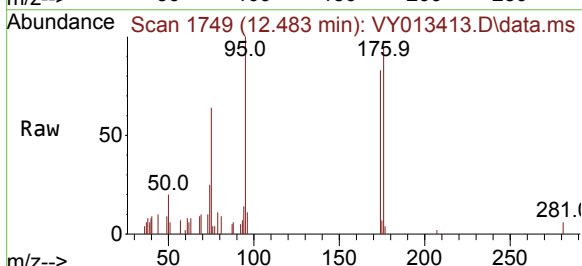
Acq: 24 Apr 2023 20:10

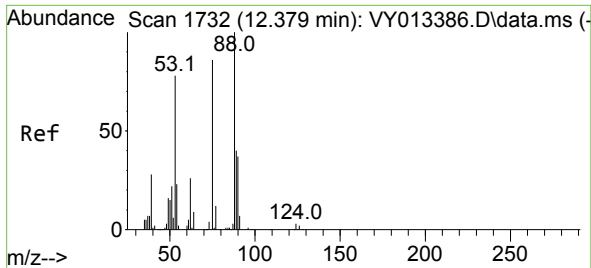
Tgt Ion: 75 Resp: 2353

Ion Ratio Lower Upper

75 100

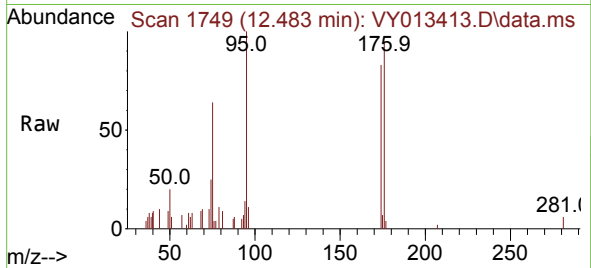
77 2.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.681 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY013413.D
 Acq: 24 Apr 2023 20:10

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-16-9.0-9.5



Tgt Ion: 75 Resp: 2353
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.2 109.8#
 89 0.0 38.0 57.0#

