

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051724\
 Data File : VY018309.D
 Acq On : 17 May 2024 15:34
 Operator : SY/MD
 Sample : P2498-01
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OK-01-051524RE

Quant Time: May 18 00:51:19 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y050724S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 08 01:40:14 2024
 Response via : Initial Calibration

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

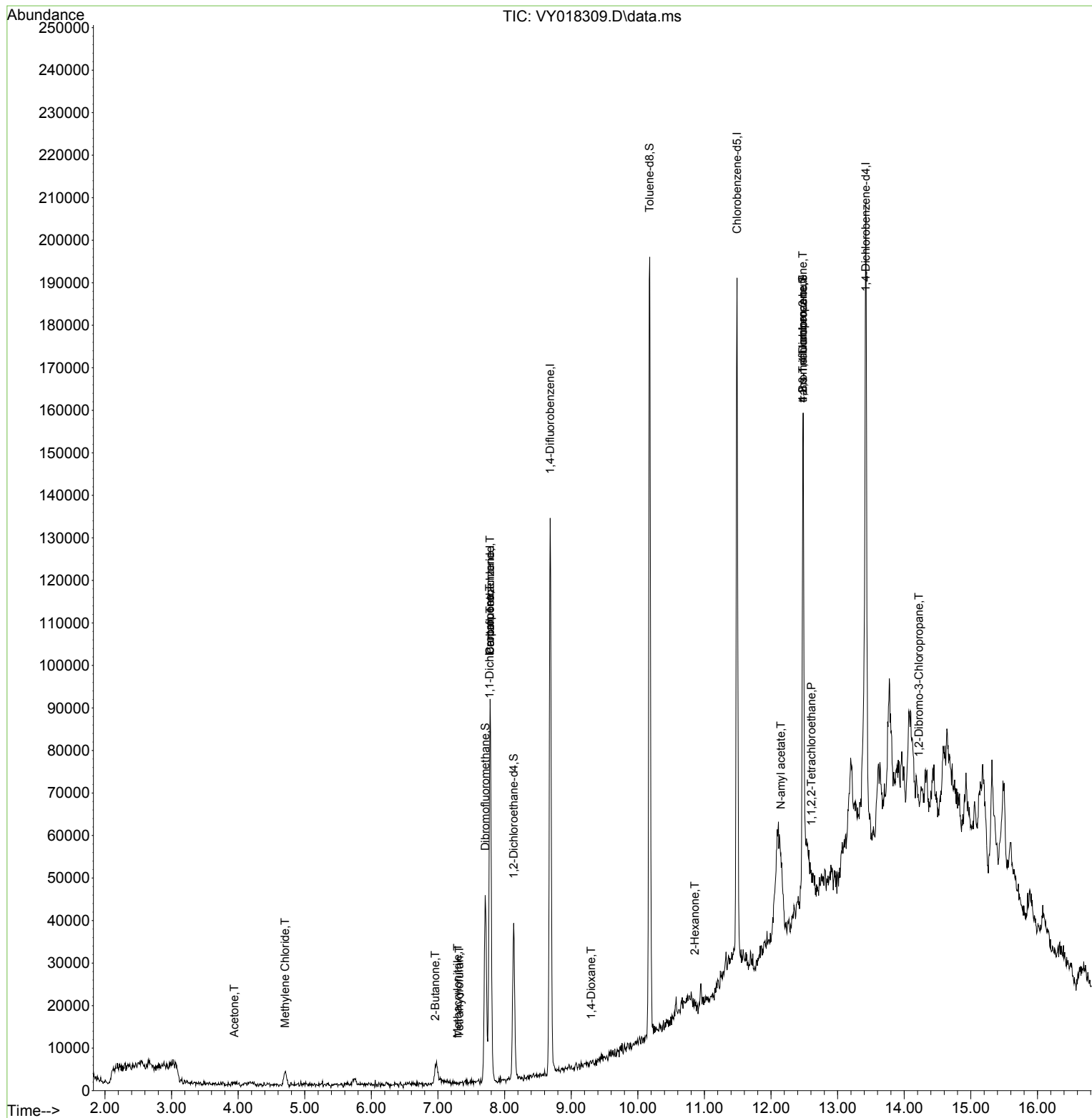
Internal Standards						
1) Pentafluorobenzene	7.783	168	68349	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	114508	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	87729	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	32484	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	25138	49.994	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 99.980%			
35) Dibromofluoromethane	7.709	113	31107	51.691	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.380%			
50) Toluene-d8	10.178	98	127725	53.860	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 107.720%			
62) 4-Bromofluorobenzene	12.477	95	34392	44.908	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 89.820%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.936	59	314	Below Cal	#	94
13) Acrolein	3.722	56	105	Below Cal	#	68
16) Acetone	3.942	43	579	5.770	ug/l	100
20) Methylene Chloride	4.704	84	2258	3.184	ug/l #	90
25) 2-Butanone	6.960	43	274	1.708	ug/l #	41
29) Tetrahydrofuran	7.319	42	146	1.379	ug/l #	48
31) Cyclohexane	7.789	56	1644	Below Cal	#	22
36) 1,1-Dichloropropene	7.776	75	5910	6.850	ug/l #	48
38) Carbon Tetrachloride	7.783	117	7067	7.497	ug/l #	19
41) Methacrylonitrile	7.295	41	323	1.540	ug/l #	37
49) 1,4-Dioxane	9.301	88	25	5.400	ug/l #	20
59) 2-Hexanone	10.855	43	301	1.151	ug/l	98
74) N-amyl acetate	12.148	43	673	1.331	ug/l #	41
75) 1,1,2,2-Tetrachloroethane	12.605	83	402	1.035	ug/l #	47
76) 1,2,3-Trichloropropane	12.477	75	16208	62.335	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	16208	120.099	ug/l #	20
92) 1,2-Dibromo-3-Chloropr...	14.220	75	101	1.909	ug/l	57

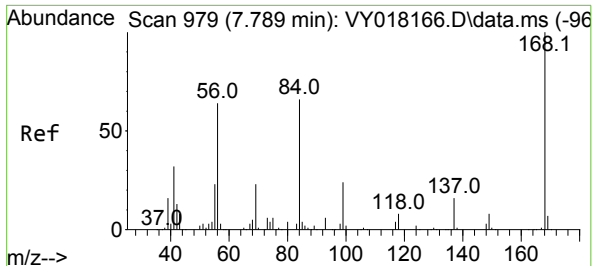
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051724\
Data File : VY018309.D
Acq On : 17 May 2024 15:34
Operator : SY/MD
Sample : P2498-01
Misc : 5.08g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OK-01-051524RE

Quant Time: May 18 00:51:19 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y050724S.M
Quant Title : SW846 8260
QLast Update : Wed May 08 01:40:14 2024
Response via : Initial Calibration

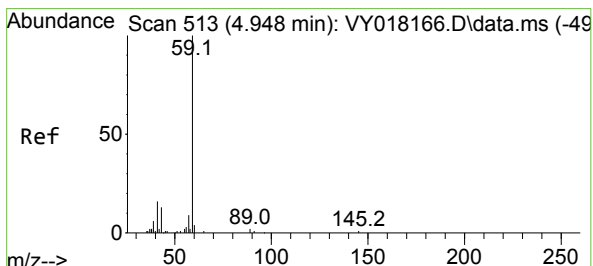
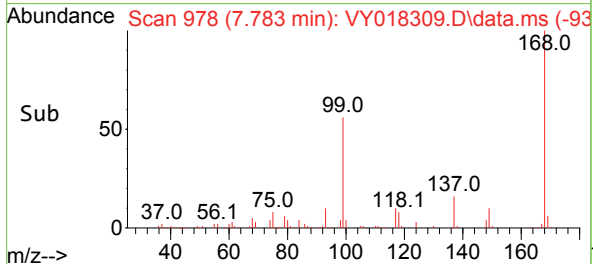
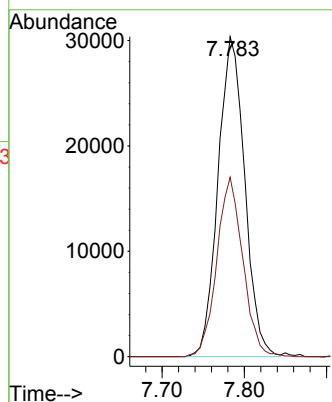
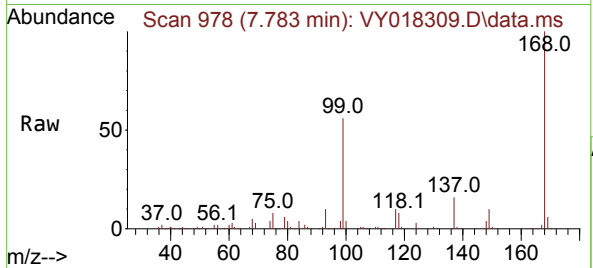




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY018309.D
Acq: 17 May 2024 15:34

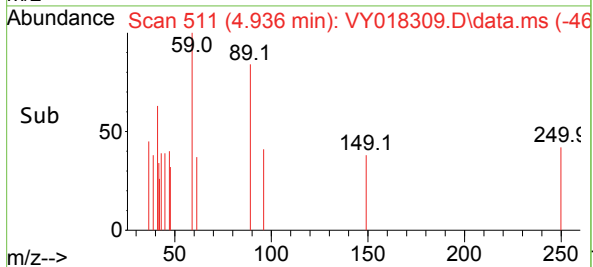
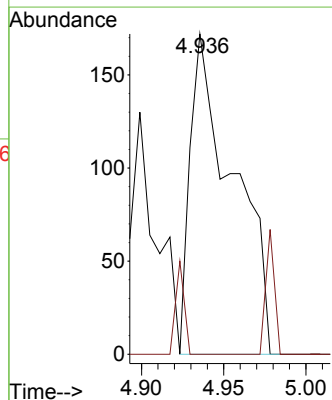
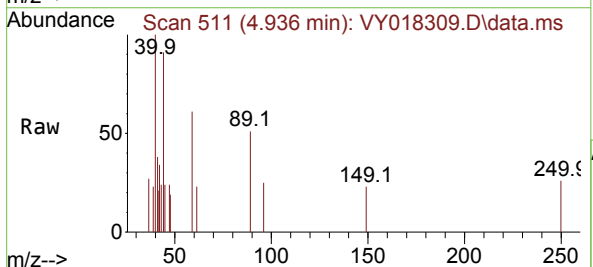
Instrument :
MSVOA_Y
ClientSampleId :
OK-01-051524RE

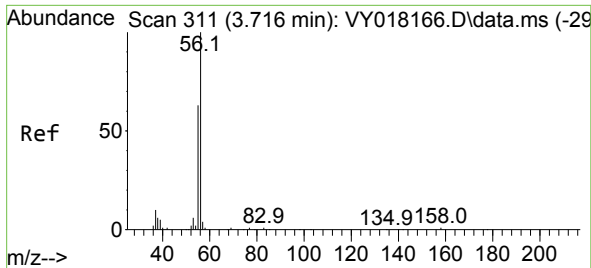
Tgt Ion:168 Resp: 68349
Ion Ratio Lower Upper
168 100
99 56.0 39.1 58.7



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.936 min Scan# 511
Delta R.T. -0.012 min
Lab File: VY018309.D
Acq: 17 May 2024 15:34

Tgt Ion: 59 Resp: 314
Ion Ratio Lower Upper
59 100
57 5.7 3.0 4.6#

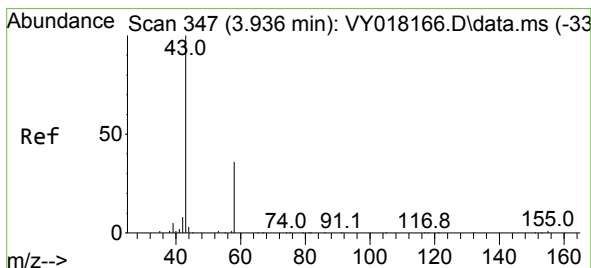
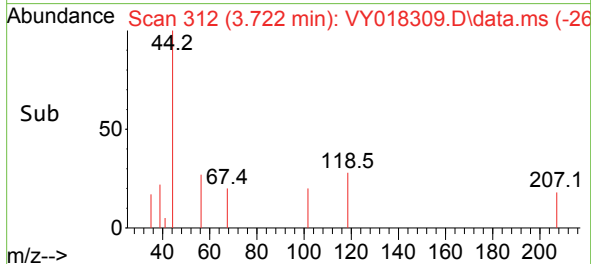
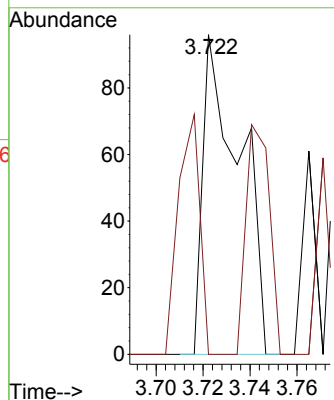
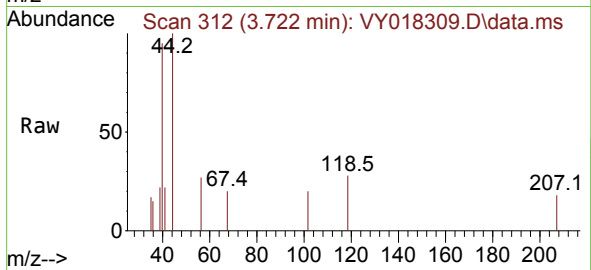




#13
Acrolein
Concen: Below Cal
RT: 3.722 min Scan# 311
Delta R.T. 0.006 min
Lab File: VY018309.D
Acq: 17 May 2024 15:34

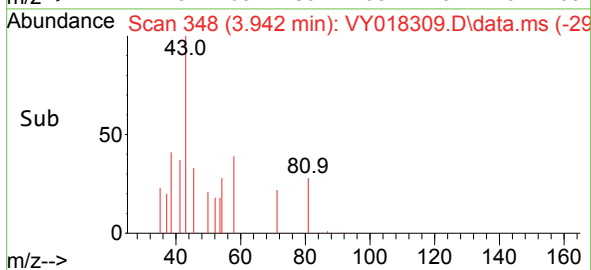
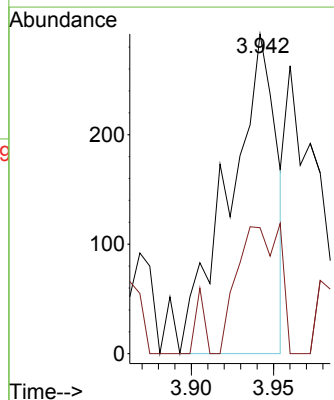
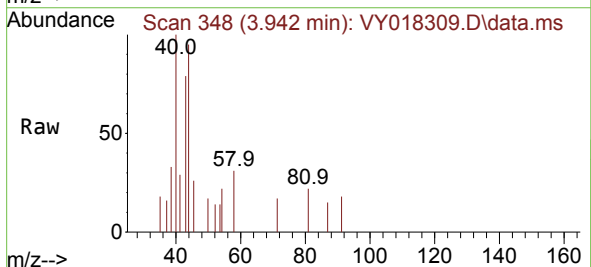
Instrument :
MSVOA_Y
ClientSampleId :
OK-01-051524RE

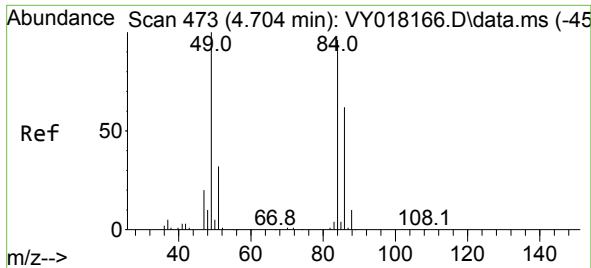
Tgt Ion: 56 Resp: 105
Ion Ratio Lower Upper
56 100
55 43.8 55.7 83.5#



#16
Acetone
Concen: 5.770 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.006 min
Lab File: VY018309.D
Acq: 17 May 2024 15:34

Tgt Ion: 43 Resp: 579
Ion Ratio Lower Upper
43 100
58 39.4 31.7 47.5

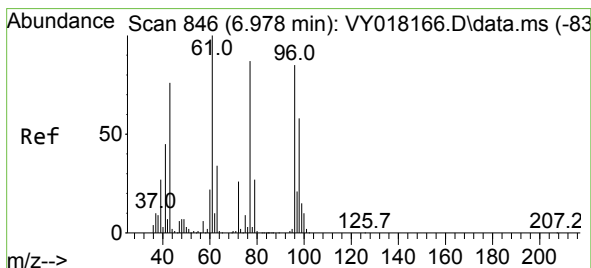
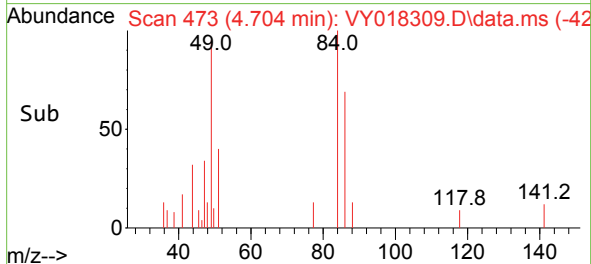
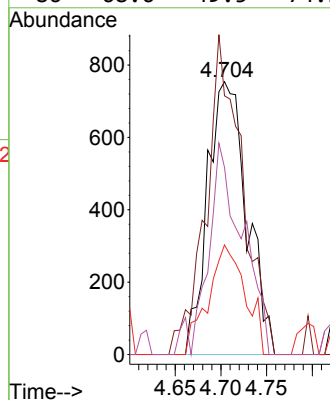
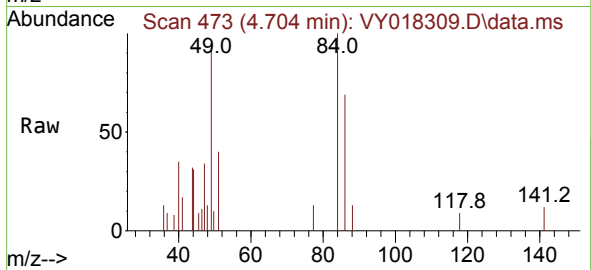




#20
Methylene Chloride
Concen: 3.184 ug/l
RT: 4.704 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY018309.D
Acq: 17 May 2024 15:34

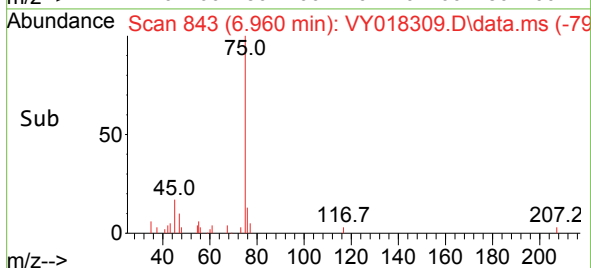
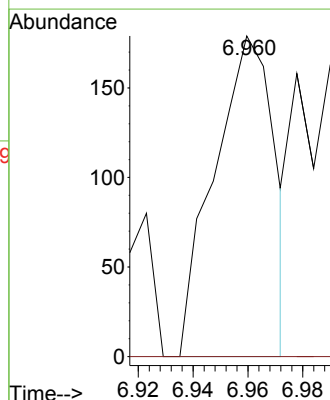
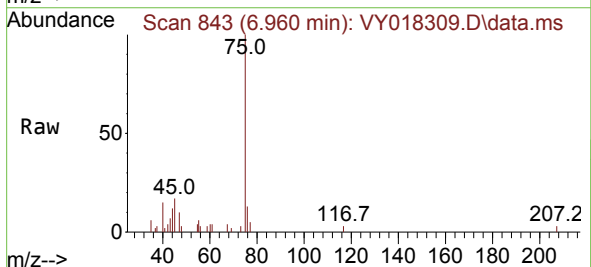
Instrument :
MSVOA_Y
ClientSampleId :
OK-01-051524RE

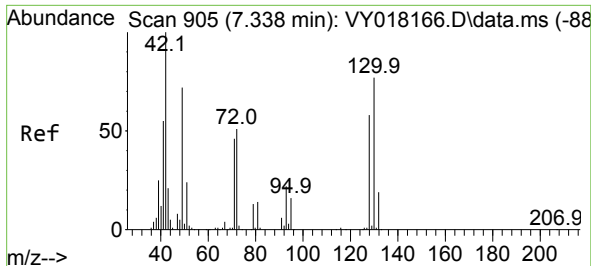
Tgt Ion:	84	Resp:	2258
Ion	Ratio	Lower	Upper
84	100		
49	94.8	84.4	126.6
51	40.2	26.0	39.0#
86	68.6	49.5	74.3



#25
2-Butanone
Concen: 1.708 ug/l
RT: 6.960 min Scan# 843
Delta R.T. -0.019 min
Lab File: VY018309.D
Acq: 17 May 2024 15:34

Tgt Ion:	43	Resp:	274
Ion	Ratio	Lower	Upper
43	100		
72	0.0	27.3	40.9#





#29

Tetrahydrofuran

Concen: 1.379 ug/l

RT: 7.319 min Scan# 905

Delta R.T. -0.019 min

Lab File: VY018309.D

Acq: 17 May 2024 15:34

Instrument :

MSVOA_Y

ClientSampleId :

OK-01-051524RE

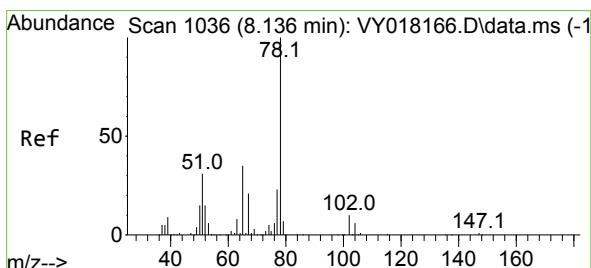
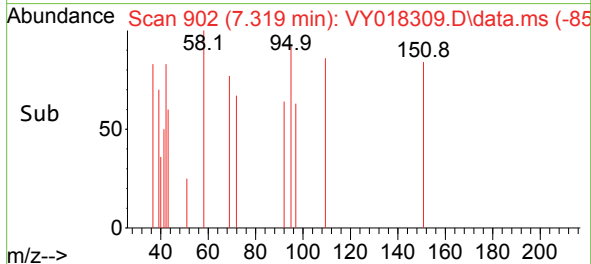
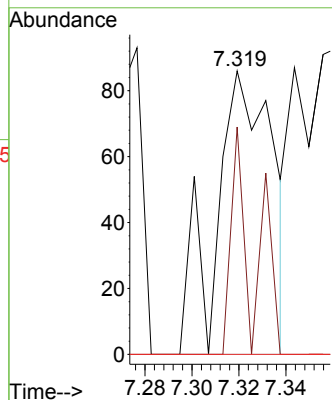
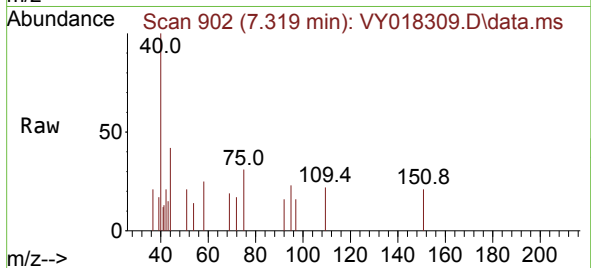
Tgt Ion: 42 Resp: 146

Ion Ratio Lower Upper

42 100

72 30.8 43.0 64.4#

71 0.0 40.8 61.2#



#33

1,2-Dichloroethane-d4

Concen: 49.994 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.000 min

Lab File: VY018309.D

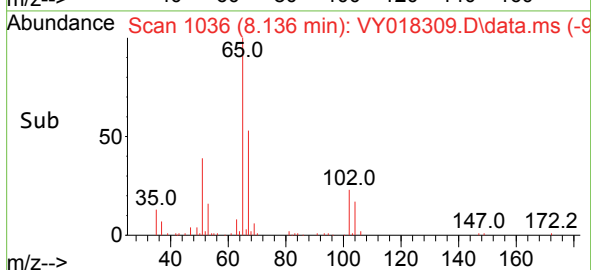
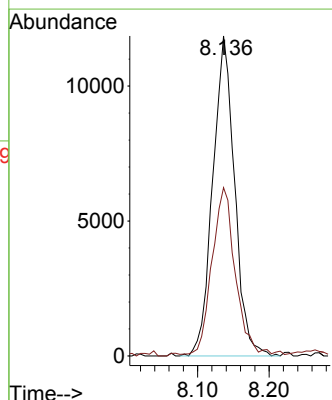
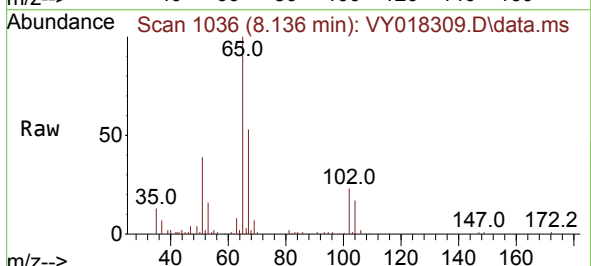
Acq: 17 May 2024 15:34

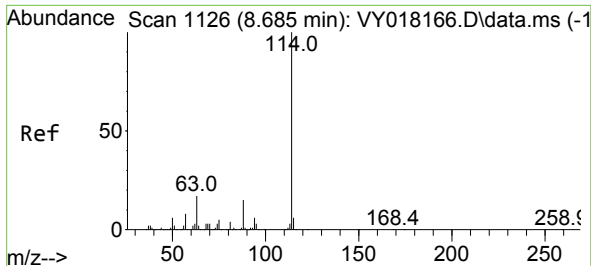
Tgt Ion: 65 Resp: 25138

Ion Ratio Lower Upper

65 100

67 55.3 0.0 109.6

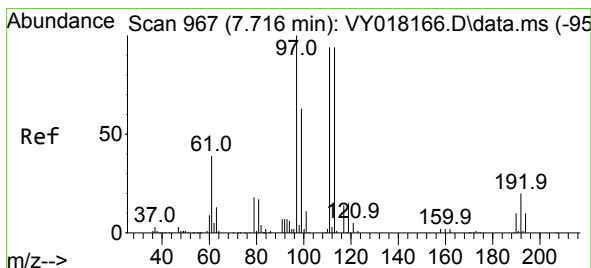
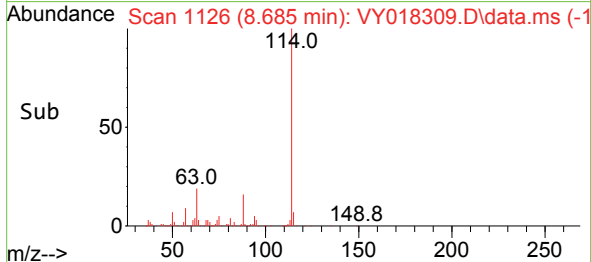
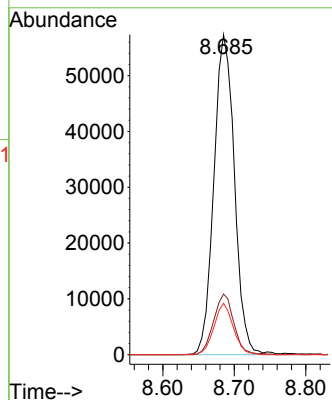
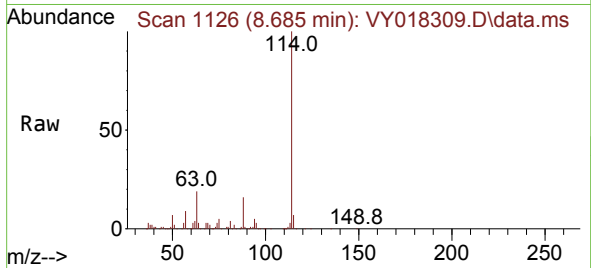




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VY018309.D
Acq: 17 May 2024 15:34

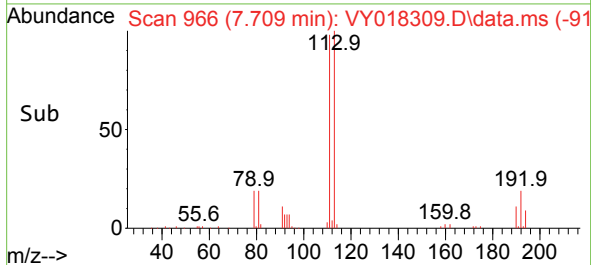
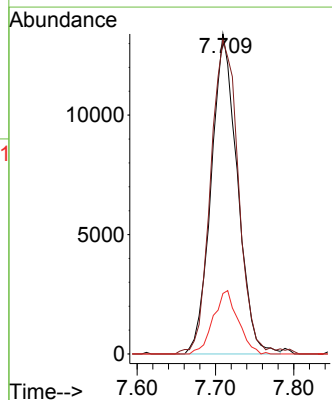
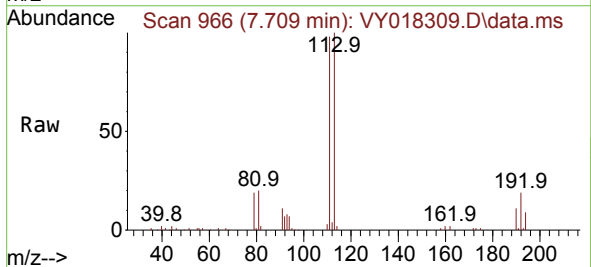
Instrument :
MSVOA_Y
ClientSampleId :
OK-01-051524RE

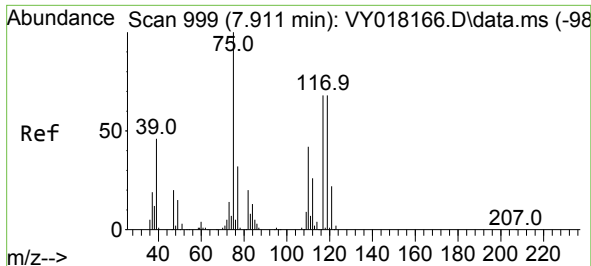
Tgt Ion:114 Resp: 114508
Ion Ratio Lower Upper
114 100
63 19.0 0.0 35.0
88 16.0 0.0 27.2



#35
Dibromofluoromethane
Concen: 51.691 ug/l
RT: 7.709 min Scan# 966
Delta R.T. -0.006 min
Lab File: VY018309.D
Acq: 17 May 2024 15:34

Tgt Ion:113 Resp: 31107
Ion Ratio Lower Upper
113 100
111 104.9 82.2 123.4
192 18.8 15.9 23.9

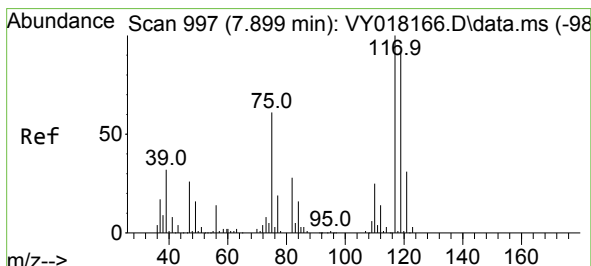
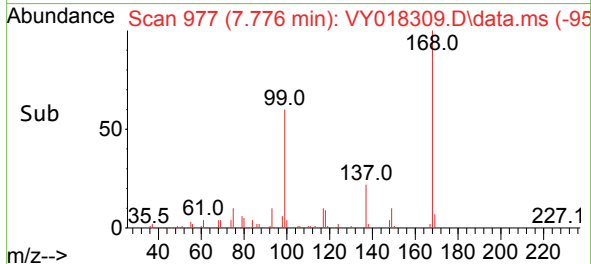
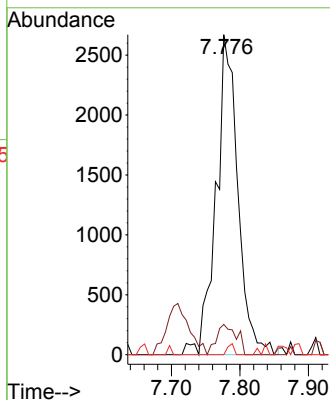
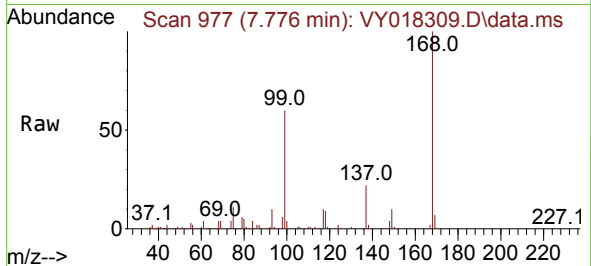




#36
1,1-Dichloropropene
Concen: 6.850 ug/l
RT: 7.776 min Scan# 91
Delta R.T. -0.134 min
Lab File: VY018309.D
Acq: 17 May 2024 15:34

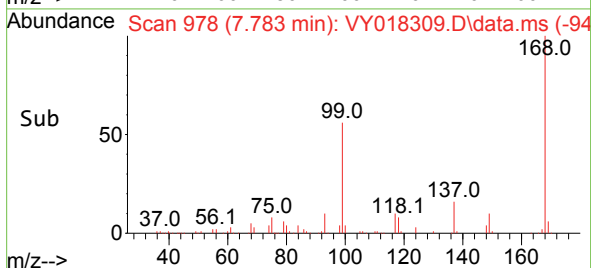
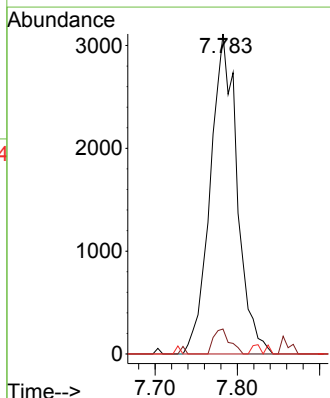
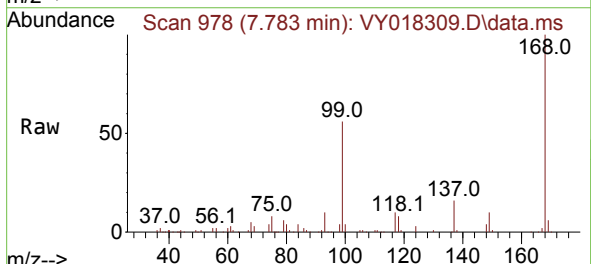
Instrument :
MSVOA_Y
ClientSampleId :
OK-01-051524RE

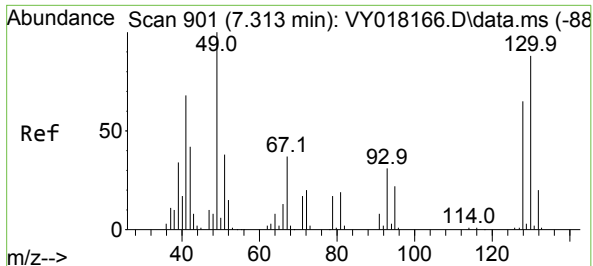
Tgt Ion: 75 Resp: 5910
Ion Ratio Lower Upper
75 100
110 8.6 19.0 57.0#
77 1.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 7.497 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.116 min
Lab File: VY018309.D
Acq: 17 May 2024 15:34

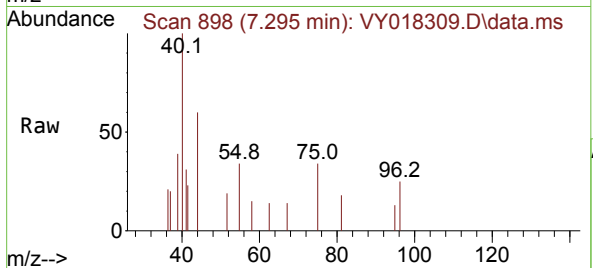
Tgt Ion: 117 Resp: 7067
Ion Ratio Lower Upper
117 100
119 7.8 75.8 113.6#
121 0.0 24.0 36.0#



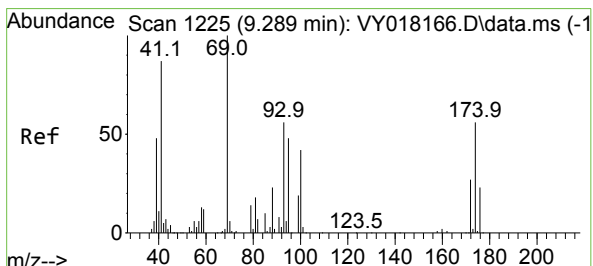
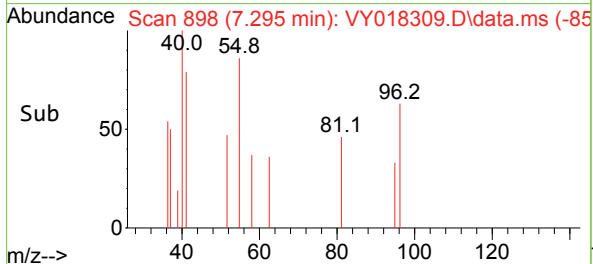
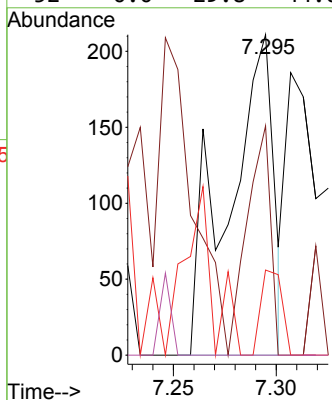


#41
Methacrylonitrile
Concen: 1.540 ug/l
RT: 7.295 min Scan# 89
Delta R.T. -0.019 min
Lab File: VY018309.D
Acq: 17 May 2024 15:34

Instrument :
MSVOA_Y
ClientSampleId :
OK-01-051524RE

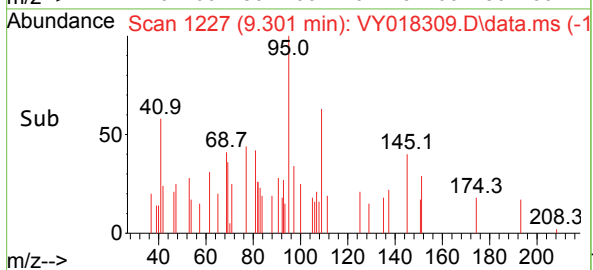
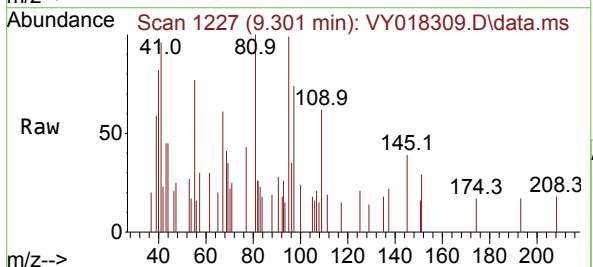
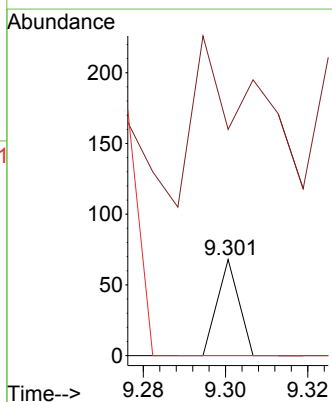


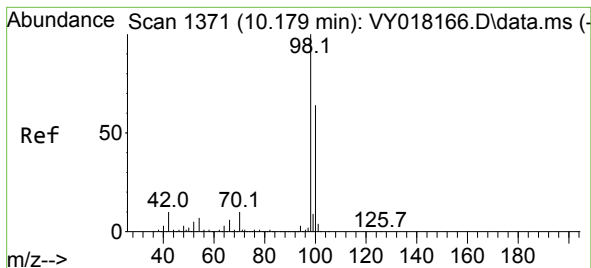
Tgt Ion:	41	Resp:	323
Ion	Ratio	Lower	Upper
41	100		
39	37.2	48.0	72.0#
67	12.4	75.1	112.7#
52	0.0	29.8	44.6#



#49
1,4-Dioxane
Concen: 5.400 ug/l
RT: 9.301 min Scan# 1227
Delta R.T. 0.012 min
Lab File: VY018309.D
Acq: 17 May 2024 15:34

Tgt Ion:	88	Resp:	25
Ion	Ratio	Lower	Upper
88	100		
43	688.0	0.0	0.0#
58	0.0	49.3	73.9#

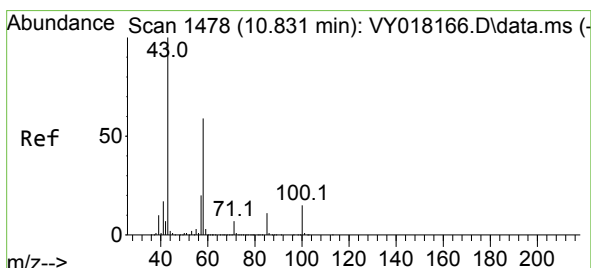
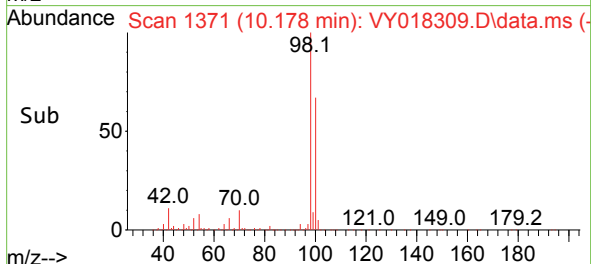
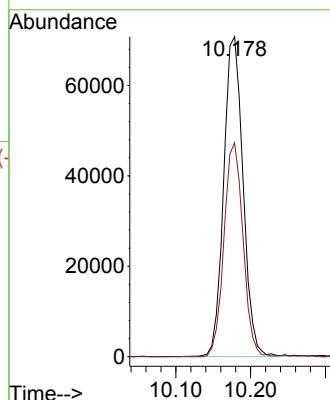
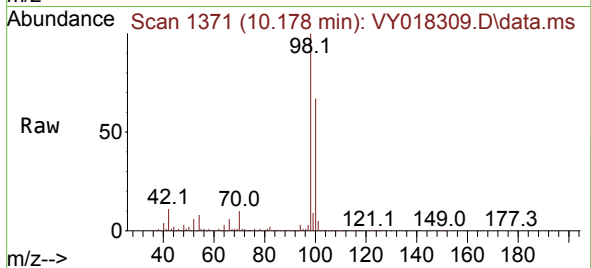




#50
Toluene-d8
Concen: 53.860 ug/l
RT: 10.178 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY018309.D
Acq: 17 May 2024 15:34

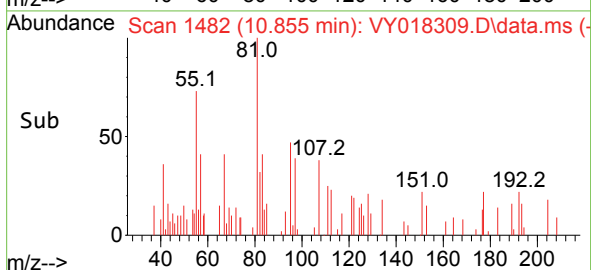
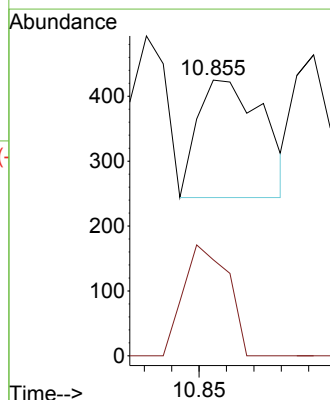
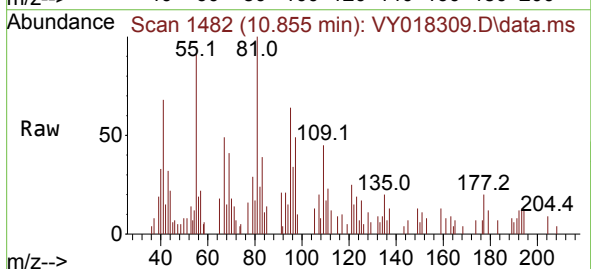
Instrument :
MSVOA_Y
ClientSampleId :
OK-01-051524RE

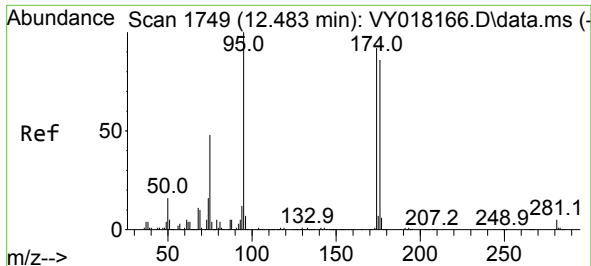
Tgt Ion: 98 Resp: 127725
Ion Ratio Lower Upper
98 100
100 65.6 52.0 78.0



#59
2-Hexanone
Concen: 1.151 ug/l
RT: 10.855 min Scan# 1482
Delta R.T. 0.024 min
Lab File: VY018309.D
Acq: 17 May 2024 15:34

Tgt Ion: 43 Resp: 301
Ion Ratio Lower Upper
43 100
58 64.5 31.4 94.0

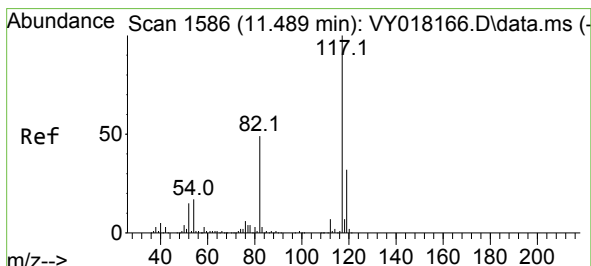
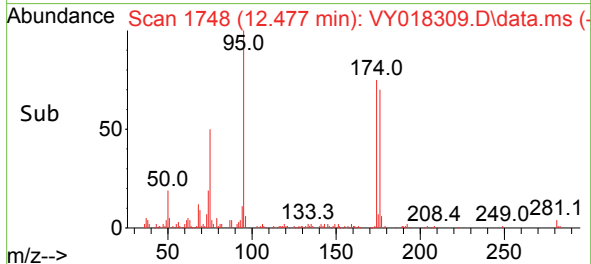
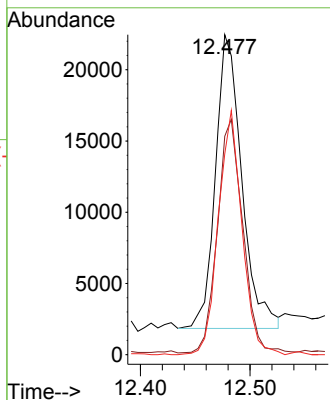
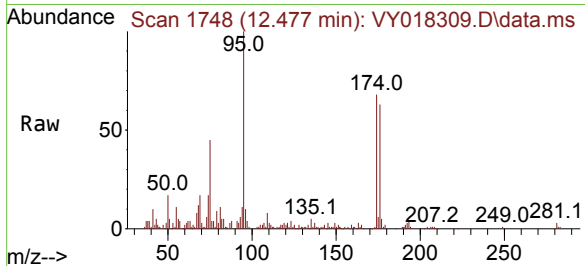




#62
4-Bromofluorobenzene
Concen: 44.908 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY018309.D
Acq: 17 May 2024 15:34

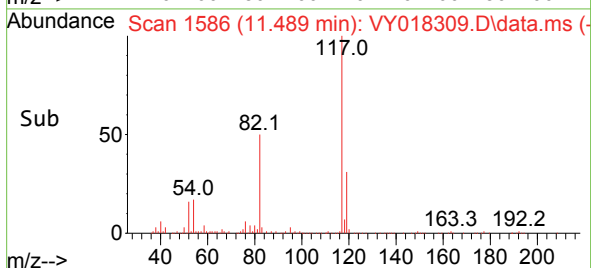
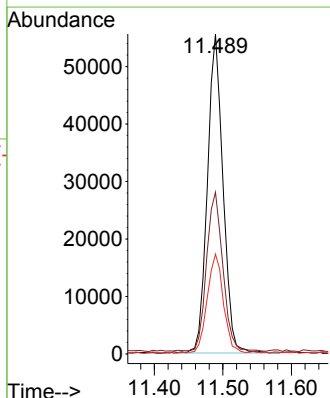
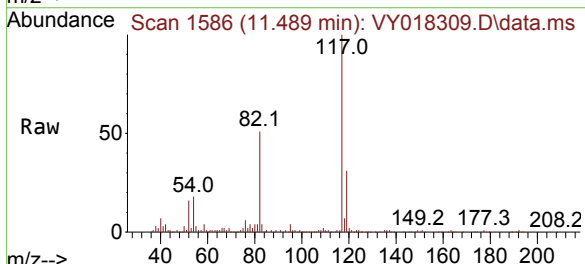
Instrument :
MSVOA_Y
ClientSampleId :
OK-01-051524RE

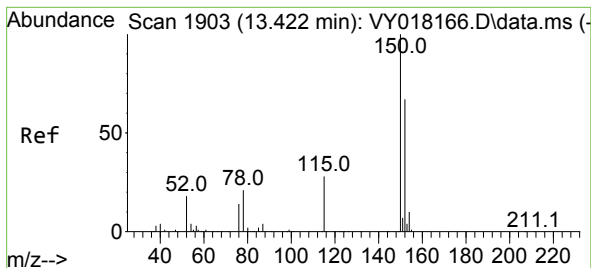
Tgt Ion: 95 Resp: 34392
Ion Ratio Lower Upper
95 100
174 76.5 0.0 175.6
176 74.8 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY018309.D
Acq: 17 May 2024 15:34

Tgt Ion: 117 Resp: 87729
Ion Ratio Lower Upper
117 100
82 49.6 42.4 63.6
119 31.0 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.000 min

Lab File: VY018309.D

Acq: 17 May 2024 15:34

Instrument :

MSVOA_Y

ClientSampleId :

OK-01-051524RE

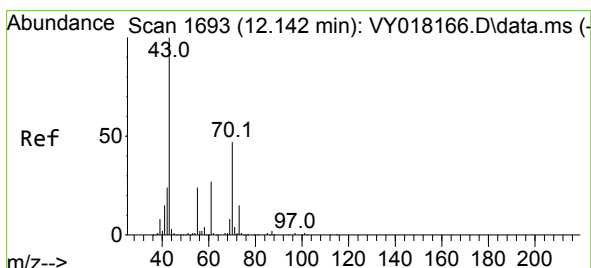
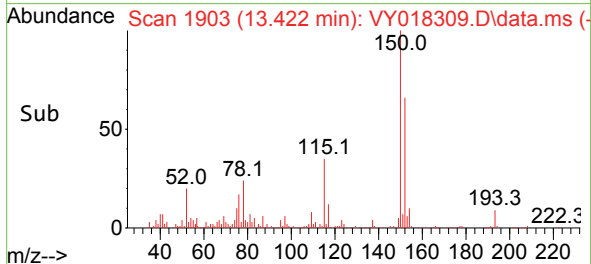
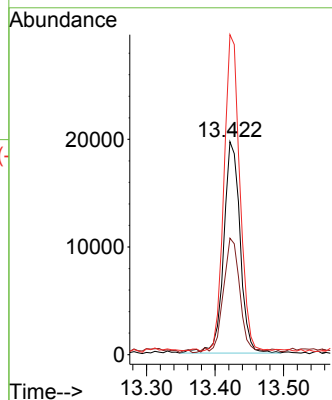
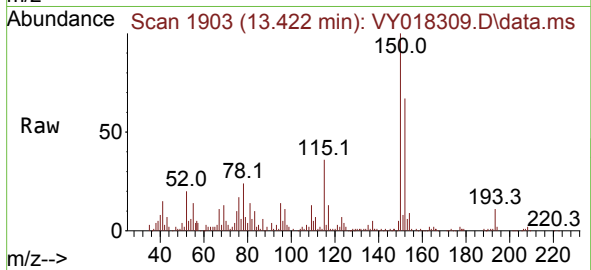
Tgt Ion:152 Resp: 32484

Ion Ratio Lower Upper

152 100

115 54.6 28.2 84.7

150 144.8 0.0 345.6



#74

N-ethyl acetate

Concen: 1.331 ug/l

RT: 12.148 min Scan# 1694

Delta R.T. 0.006 min

Lab File: VY018309.D

Acq: 17 May 2024 15:34

Tgt Ion: 43 Resp: 673

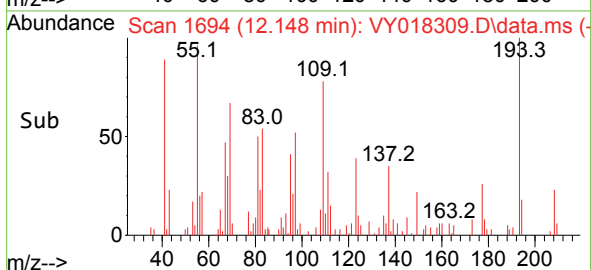
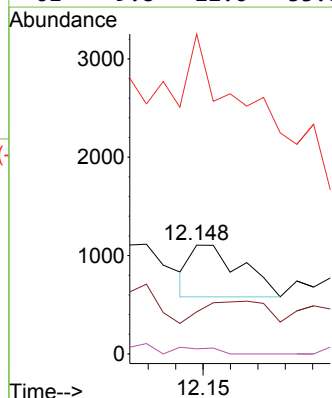
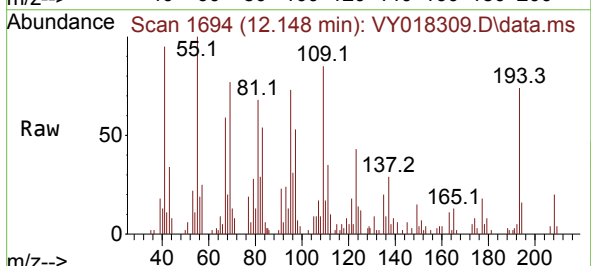
Ion Ratio Lower Upper

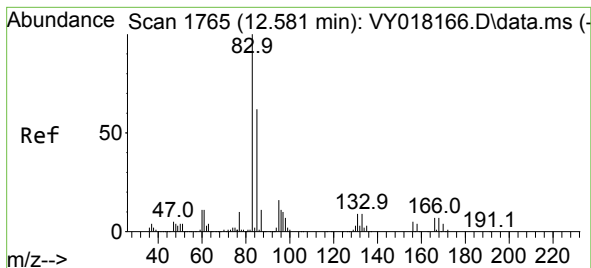
43 100

70 0.0 41.4 62.2#

55 0.0 23.3 34.9#

61 9.8 22.6 33.8#





#75

1,1,2-Tetrachloroethane

Concen: 1.035 ug/l

RT: 12.605 min Scan# 1

Delta R.T. 0.024 min

Lab File: VY018309.D

Acq: 17 May 2024 15:34

Instrument :

MSVOA_Y

ClientSampleId :

OK-01-051524RE

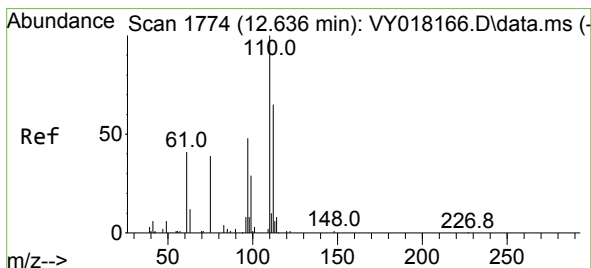
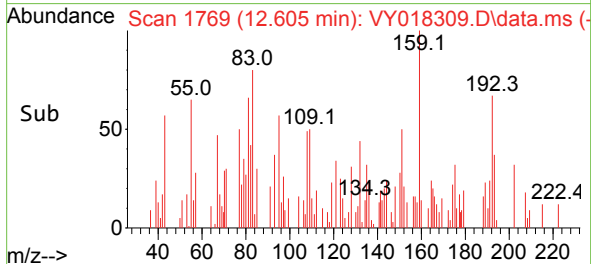
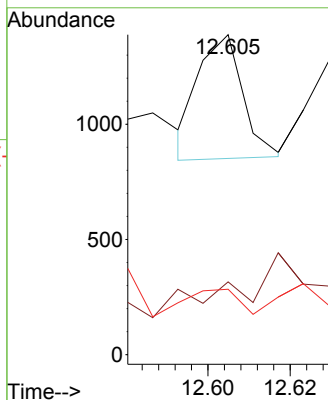
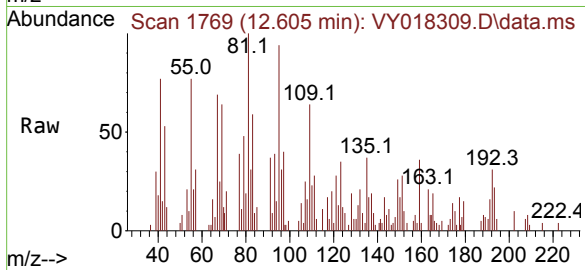
Tgt Ion: 83 Resp: 402

Ion Ratio Lower Upper

83 100

131 0.0 5.0 14.9#

85 19.2 32.0 96.0#



#76

1,2,3-Trichloropropane

Concen: 62.335 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.159 min

Lab File: VY018309.D

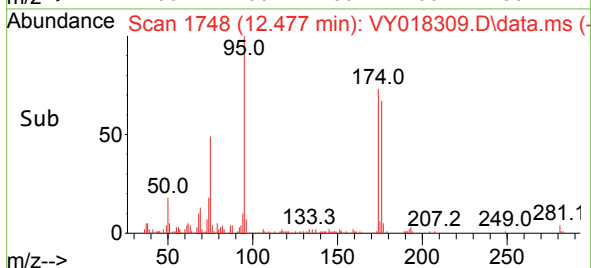
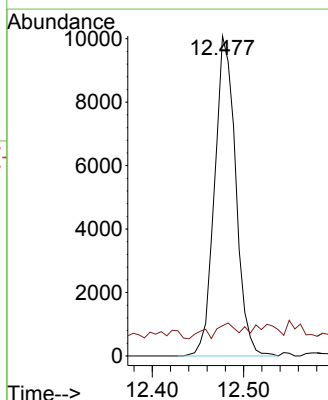
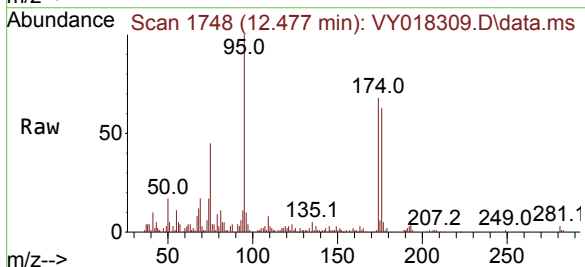
Acq: 17 May 2024 15:34

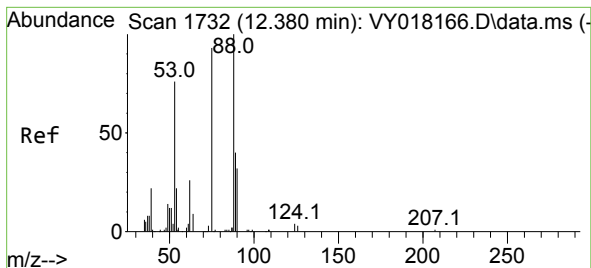
Tgt Ion: 75 Resp: 16208

Ion Ratio Lower Upper

75 100

77 4.2 0.0 0.0#

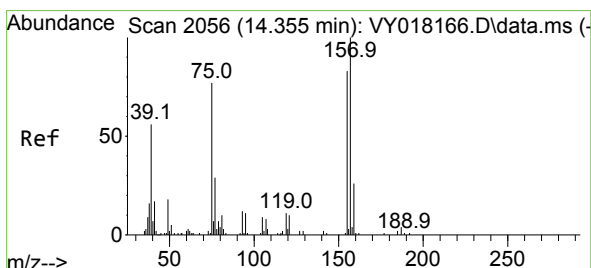
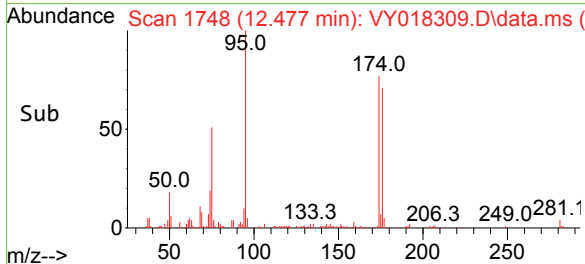
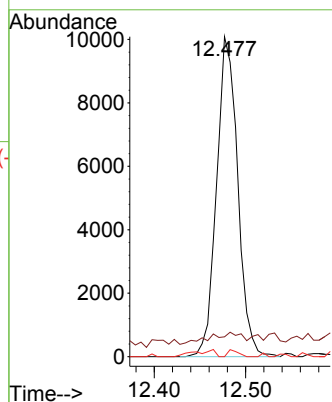
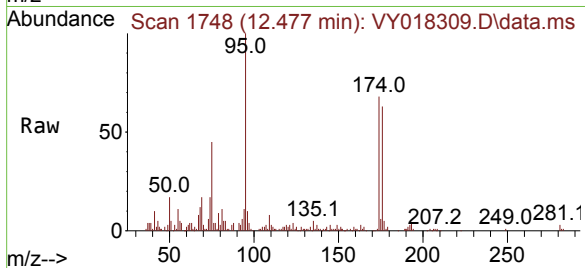




#81
 trans-1,4-Dichloro-2-butene
 Concen: 120.099 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY018309.D
 Acq: 17 May 2024 15:34

Instrument :
 MSVOA_Y
 ClientSampleId :
 OK-01-051524RE

Tgt Ion: 75 Resp: 16208
 Ion Ratio Lower Upper
 75 100
 53 5.2 66.8 100.2#
 89 1.0 35.8 53.6#



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.909 ug/l
 RT: 14.220 min Scan# 2034
 Delta R.T. -0.134 min
 Lab File: VY018309.D
 Acq: 17 May 2024 15:34

Tgt Ion: 75 Resp: 101
 Ion Ratio Lower Upper
 75 100
 155 136.6 48.6 145.8
 157 176.2 62.7 188.2

