

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052024\
 Data File : VY018340.D
 Acq On : 20 May 2024 17:39
 Operator : SY/MD
 Sample : P2527-03
 Misc : 4.41g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WCS-TPN-VOC

Quant Time: May 21 01:28:31 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)

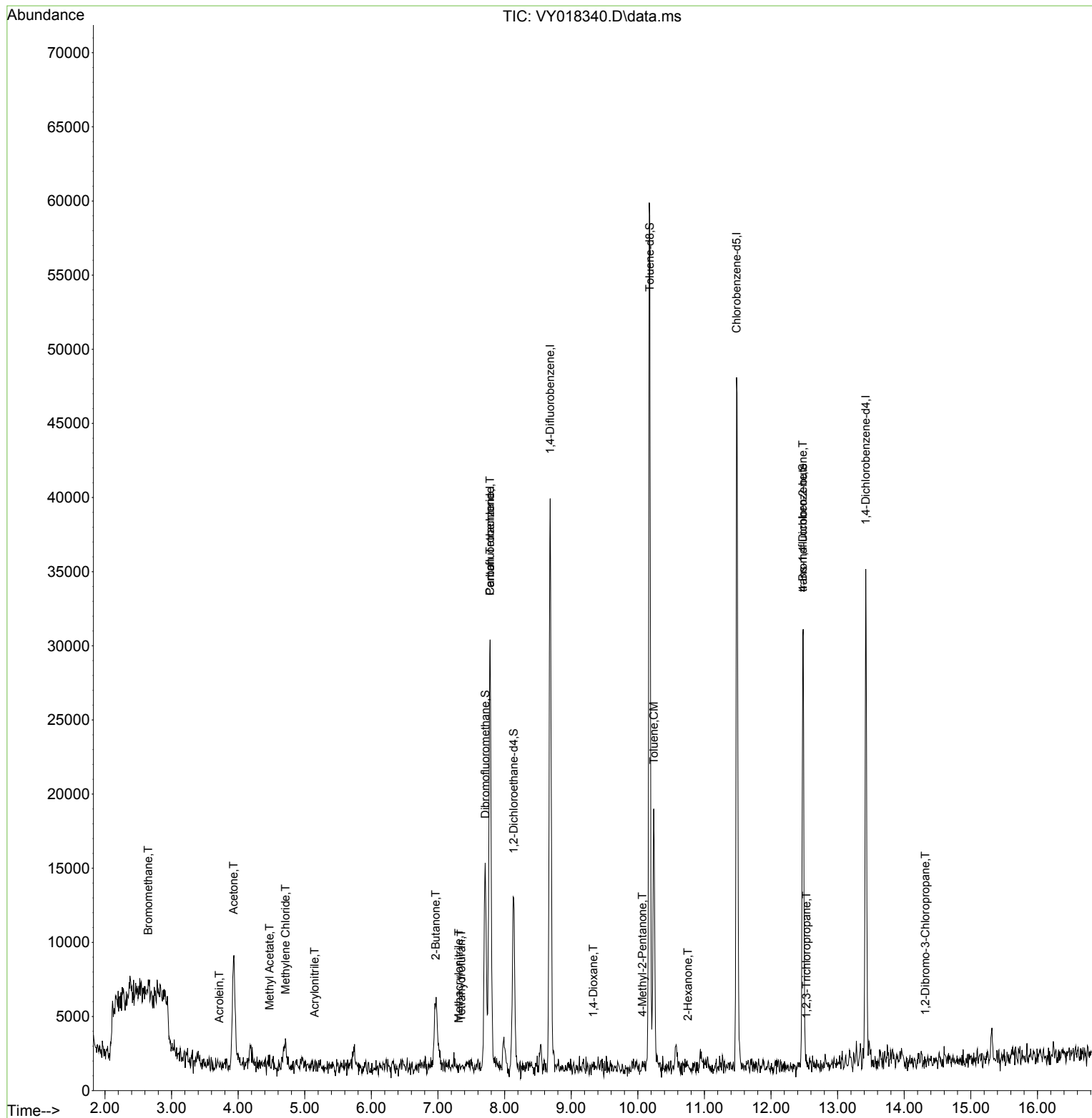
Internal Standards						
1) Pentafluorobenzene	7.783	168	20999	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.685	114	34040	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	25807	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	7825	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	8636	55.903	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	111.800%
35) Dibromofluoromethane	7.710	113	9477	52.975	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.940%
50) Toluene-d8	10.179	98	39720	56.343	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	112.680%
62) 4-Bromofluorobenzene	12.477	95	9252	40.639	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	81.280%
Target Compounds						
						Qvalue
5) Bromomethane	2.649	94	289	1.540	ug/l	# 3
11) Tert butyl alcohol	4.948	59	22	Below Cal	#	1
13) Acrolein	3.716	56	120	3.472	ug/l	# 50
15) Acrylonitrile	5.149	53	64	1.597	ug/l	# 1
16) Acetone	3.930	43	13376	433.882	ug/l	# 84
18) Methyl Acetate	4.472	43	176	2.004	ug/l	# 46
20) Methylene Chloride	4.710	84	1274	5.847	ug/l	# 68
25) 2-Butanone	6.966	43	746	15.138	ug/l	# 41
29) Tetrahydrofuran	7.350	42	96	2.951	ug/l	# 61
31) Cyclohexane	7.783	56	438	Below Cal	#	84
38) Carbon Tetrachloride	7.783	117	2271	8.104	ug/l	# 18
41) Methacrylonitrile	7.313	41	241	3.866	ug/l	# 29
49) 1,4-Dioxane	9.331	88	23	16.712	ug/l	# 20
51) 4-Methyl-2-Pentanone	10.069	43	195	1.754	ug/l	# 31
52) Toluene	10.240	92	7197	13.552	ug/l	100
59) 2-Hexanone	10.752	43	176	2.264	ug/l	89
76) 1,2,3-Trichloropropane	12.532	75	177	2.826	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.477	75	5130	157.802	ug/l	# 16
92) 1,2-Dibromo-3-Chloropr...	14.318	75	22	1.726	ug/l	# 40

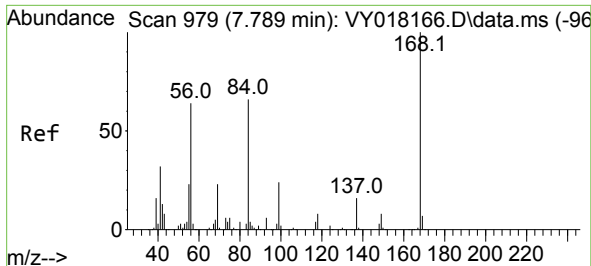
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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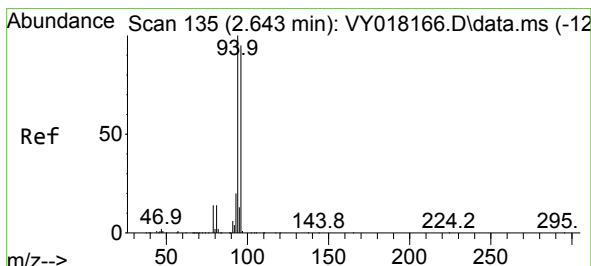
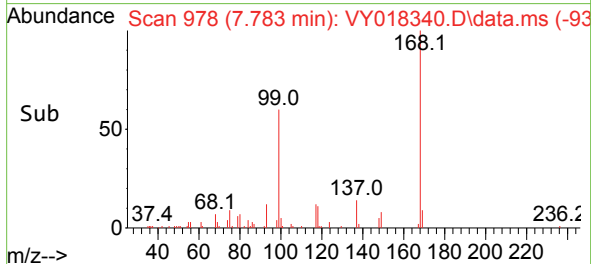
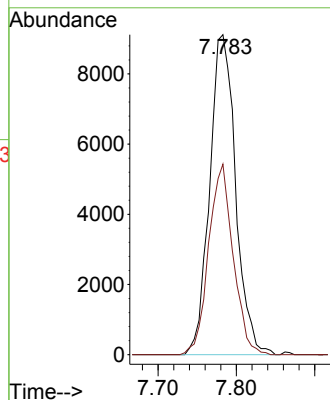
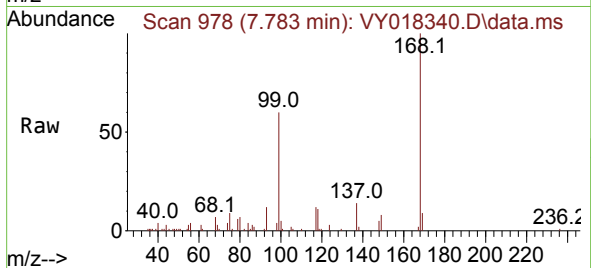




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY018340.D
Acq: 20 May 2024 17:39

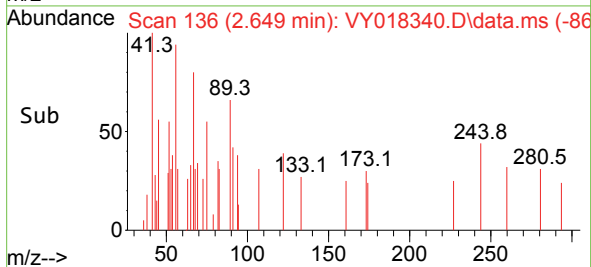
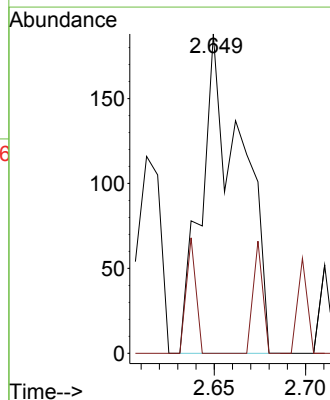
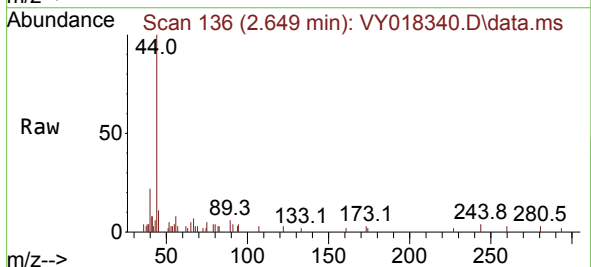
Instrument :
MSVOA_Y
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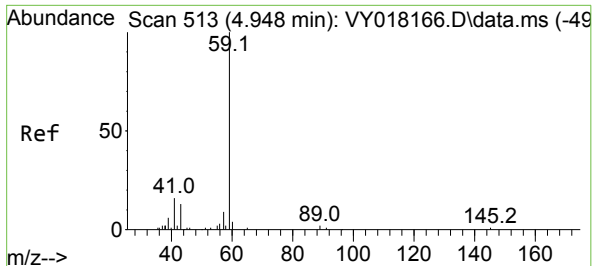
Tgt Ion:168 Resp: 20999
Ion Ratio Lower Upper
168 100
99 59.6 39.1 58.7#



#5
Bromomethane
Concen: 1.540 ug/l
RT: 2.649 min Scan# 136
Delta R.T. 0.006 min
Lab File: VY018340.D
Acq: 20 May 2024 17:39

Tgt Ion: 94 Resp: 289
Ion Ratio Lower Upper
94 100
96 0.0 74.1 111.1#

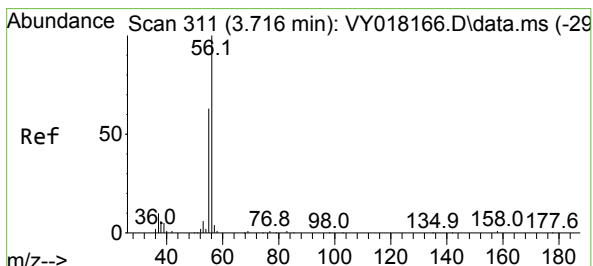
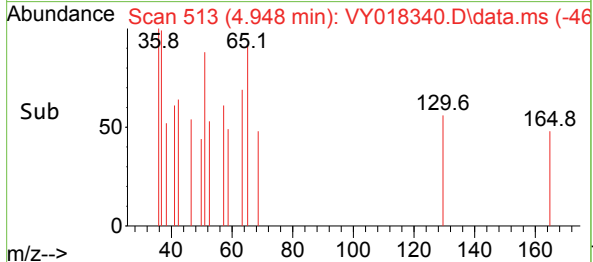
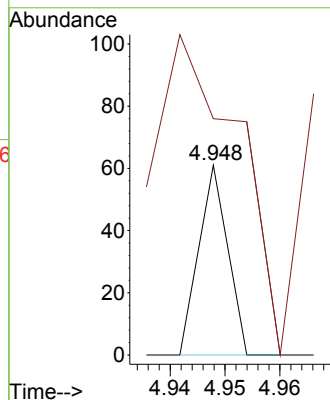
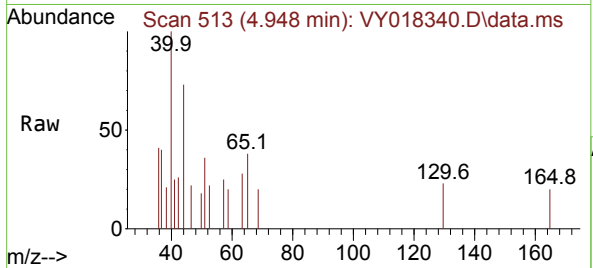




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.948 min Scan# 513
Delta R.T. -0.000 min
Lab File: VY018340.D
Acq: 20 May 2024 17:39

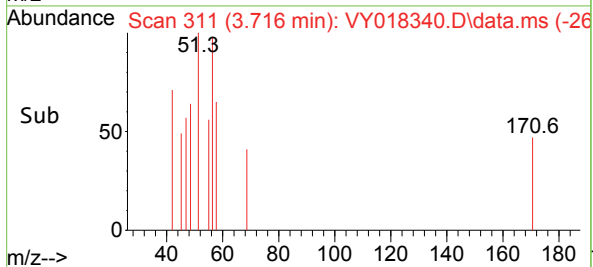
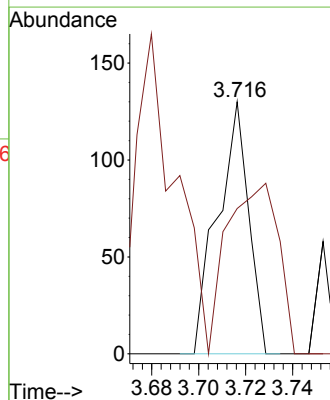
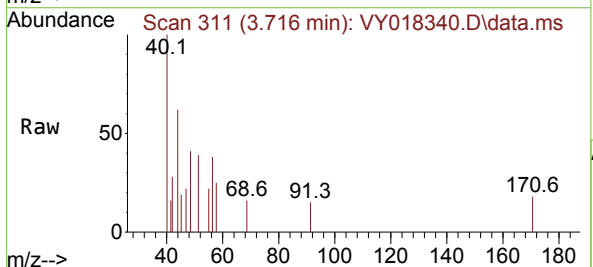
Instrument :
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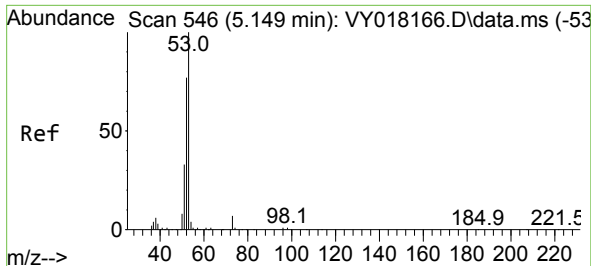
Tgt Ion: 59 Resp: 22
Ion Ratio Lower Upper
59 100
57 740.9 3.0 4.6#



#13
Acrolein
Concen: 3.472 ug/l
RT: 3.716 min Scan# 311
Delta R.T. 0.000 min
Lab File: VY018340.D
Acq: 20 May 2024 17:39

Tgt Ion: 56 Resp: 120
Ion Ratio Lower Upper
56 100
55 110.8 55.7 83.5#

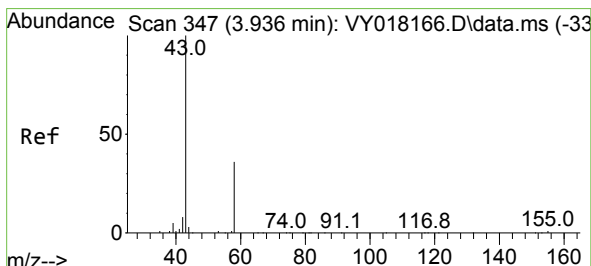
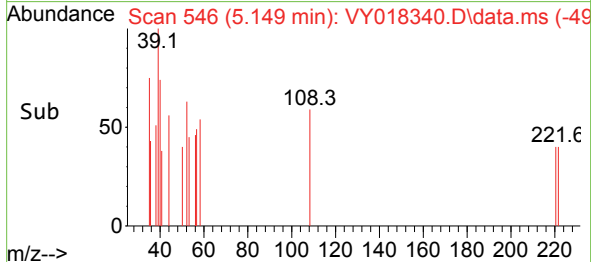
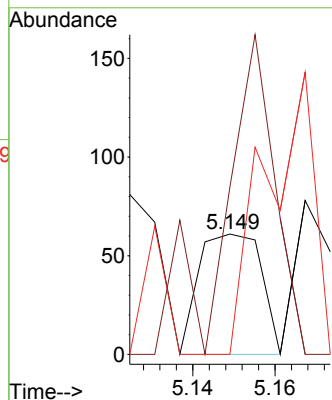
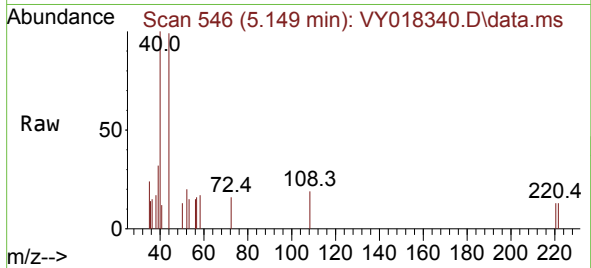




#15
Acrylonitrile
Concen: 1.597 ug/l
RT: 5.149 min Scan# 546
Delta R.T. -0.000 min
Lab File: VY018340.D
Acq: 20 May 2024 17:39

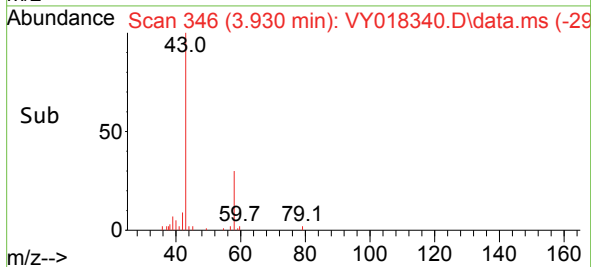
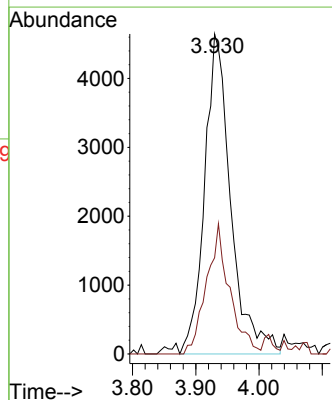
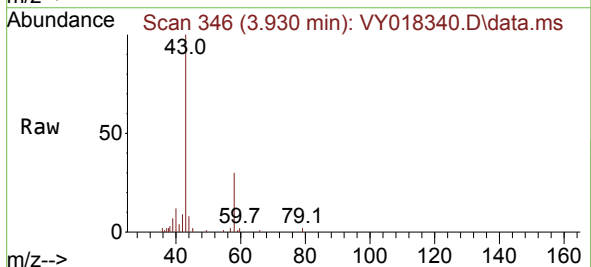
Instrument :
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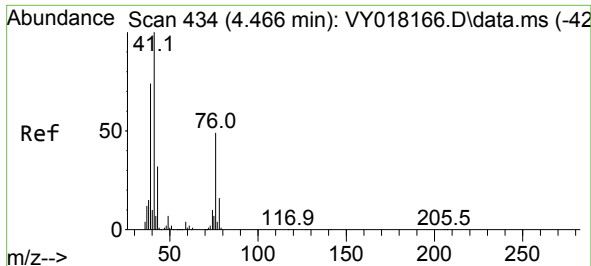
Tgt Ion: 53 Resp: 64
Ion Ratio Lower Upper
53 100
52 218.8 64.7 97.1#
51 0.0 28.4 42.6#



#16
Acetone
Concen: 433.882 ug/l
RT: 3.930 min Scan# 346
Delta R.T. -0.006 min
Lab File: VY018340.D
Acq: 20 May 2024 17:39

Tgt Ion: 43 Resp: 13376
Ion Ratio Lower Upper
43 100
58 30.1 31.7 47.5#

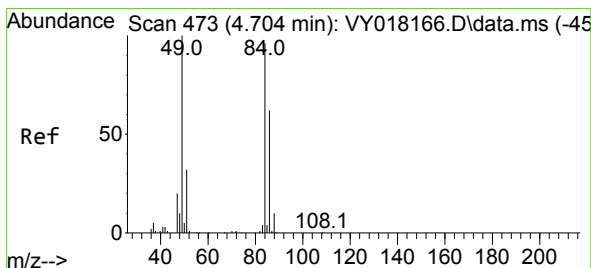
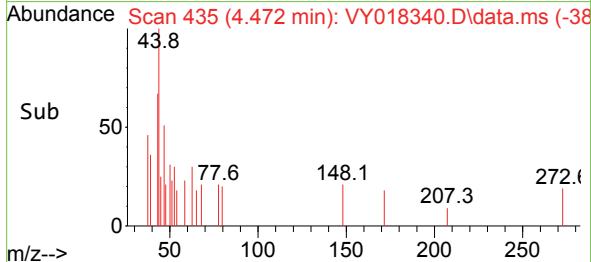
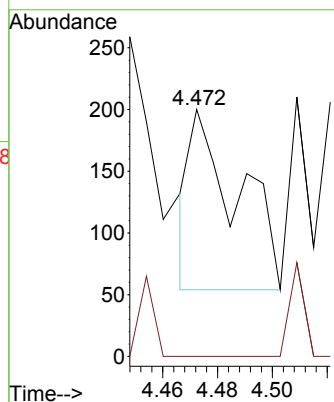
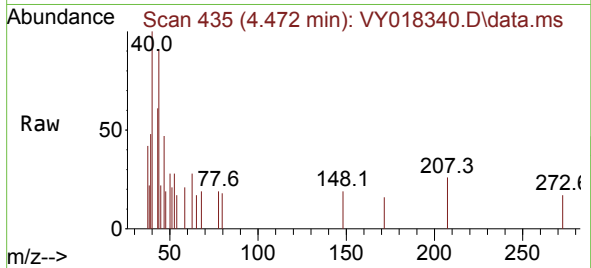




#18
Methyl Acetate
Concen: 2.004 ug/l
RT: 4.472 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY018340.D
Acq: 20 May 2024 17:39

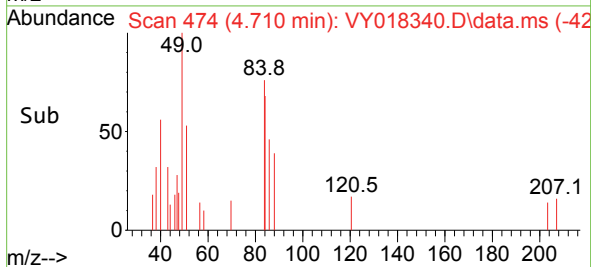
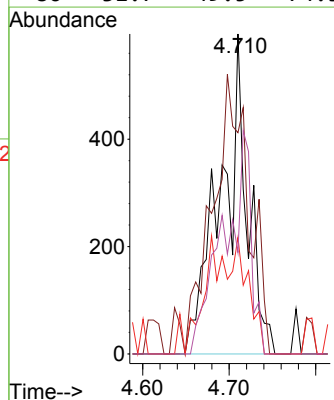
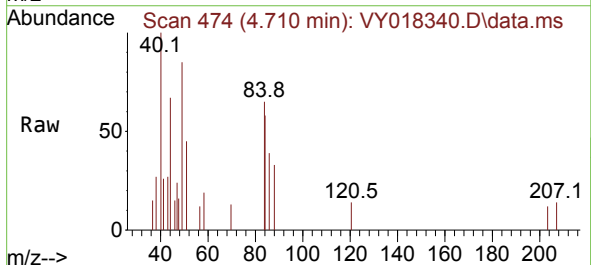
Instrument :
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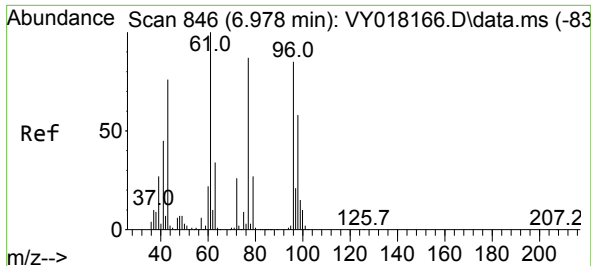
Tgt Ion: 43 Resp: 176
Ion Ratio Lower Upper
43 100
74 0.0 23.3 34.9#



#20
Methylene Chloride
Concen: 5.847 ug/l
RT: 4.710 min Scan# 474
Delta R.T. 0.006 min
Lab File: VY018340.D
Acq: 20 May 2024 17:39

Tgt Ion: 84 Resp: 1274
Ion Ratio Lower Upper
84 100
49 69.1 84.4 126.6#
51 36.4 26.0 39.0
86 31.7 49.5 74.3#

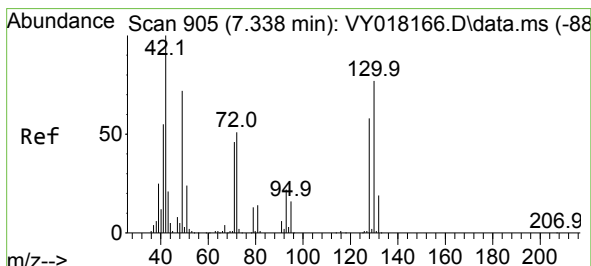
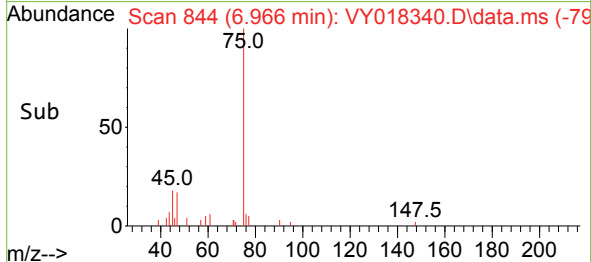
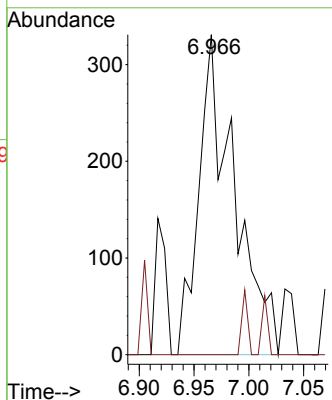
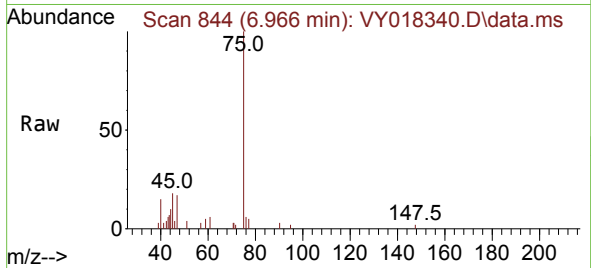




#25
2-Butanone
Concen: 15.138 ug/l
RT: 6.966 min Scan# 846
Delta R.T. -0.012 min
Lab File: VY018340.D
Acq: 20 May 2024 17:39

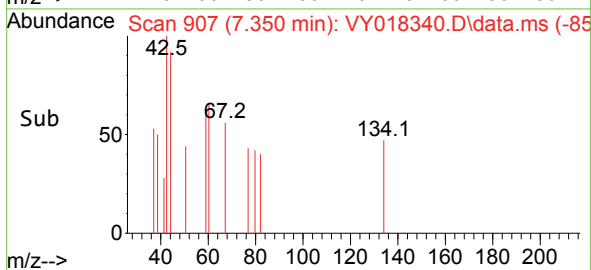
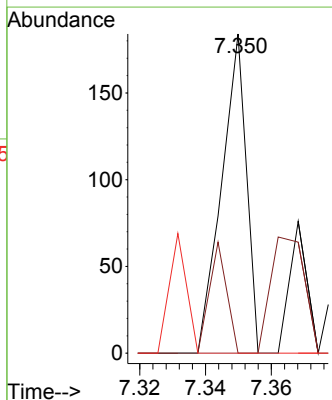
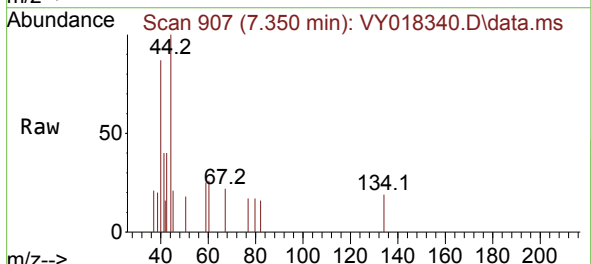
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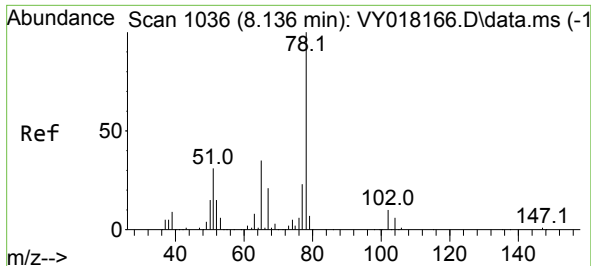
Tgt Ion: 43 Resp: 746
Ion Ratio Lower Upper
43 100
72 0.0 27.3 40.9#



#29
Tetrahydrofuran
Concen: 2.951 ug/l
RT: 7.350 min Scan# 907
Delta R.T. 0.012 min
Lab File: VY018340.D
Acq: 20 May 2024 17:39

Tgt Ion: 42 Resp: 96
Ion Ratio Lower Upper
42 100
72 24.0 43.0 64.4#
71 26.0 40.8 61.2#

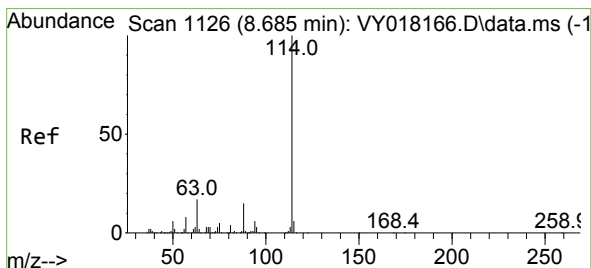
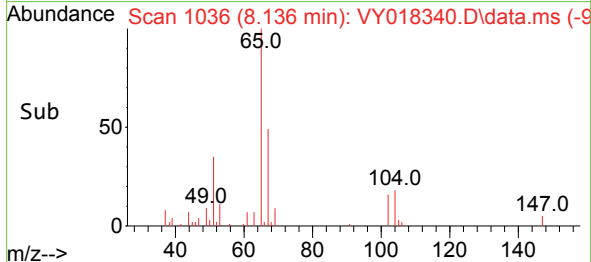
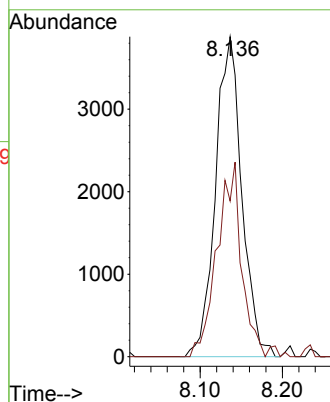
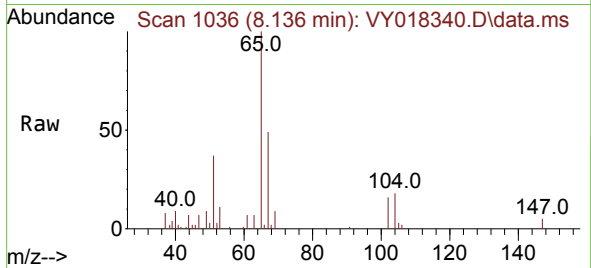




#33
1,2-Dichloroethane-d4
Concen: 55.903 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VY018340.D
Acq: 20 May 2024 17:39

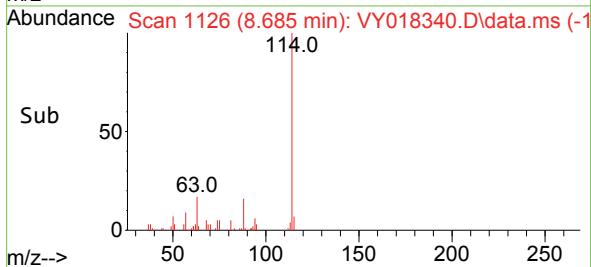
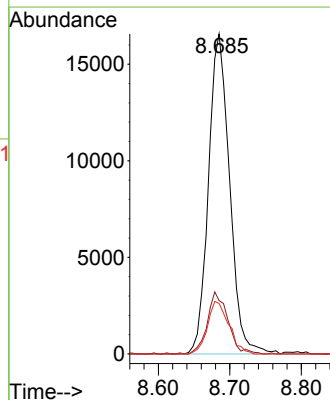
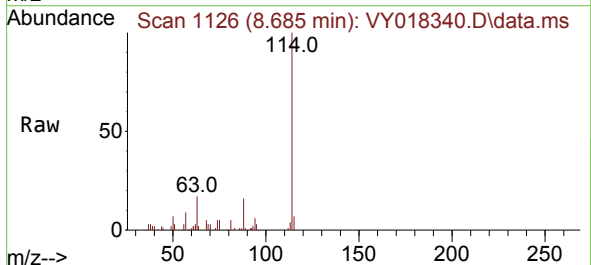
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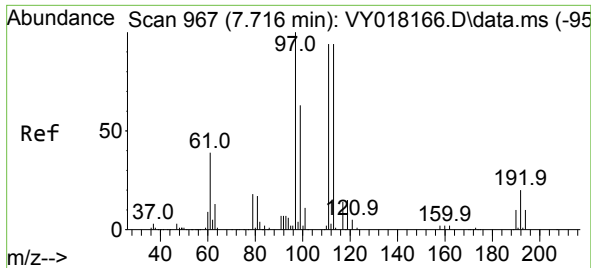
Tgt Ion: 65 Resp: 8636
Ion Ratio Lower Upper
65 100
67 56.0 0.0 109.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VY018340.D
Acq: 20 May 2024 17:39

Tgt Ion: 114 Resp: 34040
Ion Ratio Lower Upper
114 100
63 16.7 0.0 35.0
88 15.8 0.0 27.2

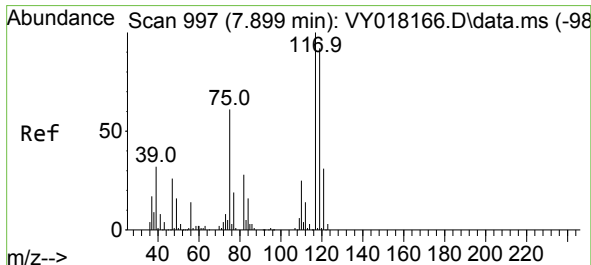
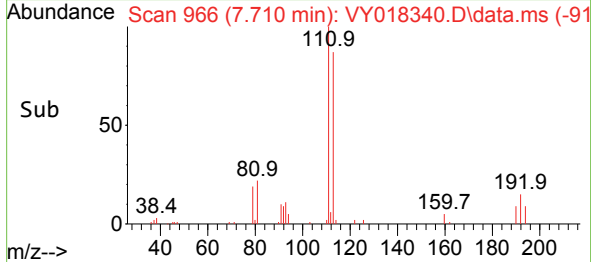
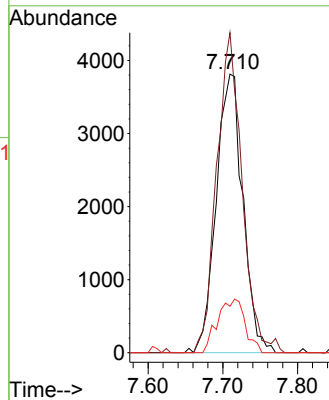
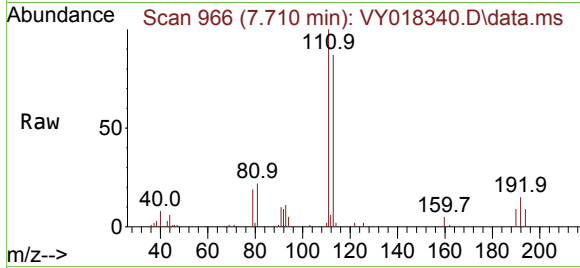




#35
Dibromofluoromethane
Concen: 52.975 ug/l
RT: 7.710 min Scan# 911
Delta R.T. -0.006 min
Lab File: VY018340.D
Acq: 20 May 2024 17:39

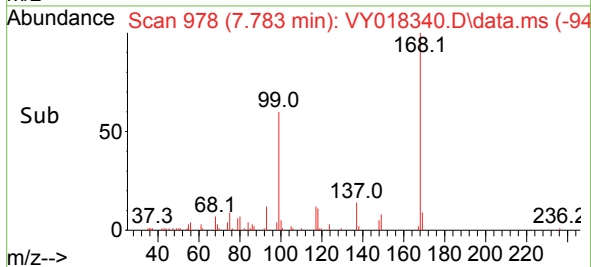
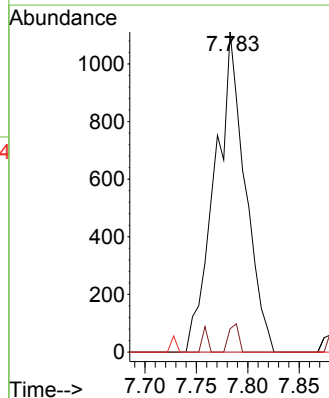
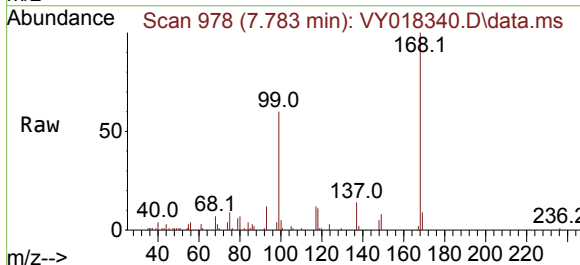
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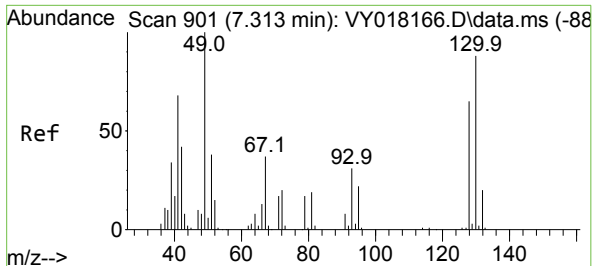
Tgt Ion:	113	Resp:	9477
Ion	Ratio	Lower	Upper
113	100		
111	109.0	82.2	123.4
192	19.8	15.9	23.9



#38
Carbon Tetrachloride
Concen: 8.104 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.116 min
Lab File: VY018340.D
Acq: 20 May 2024 17:39

Tgt Ion:	117	Resp:	2271
Ion	Ratio	Lower	Upper
117	100		
119	7.3	75.8	113.6#
121	0.0	24.0	36.0#

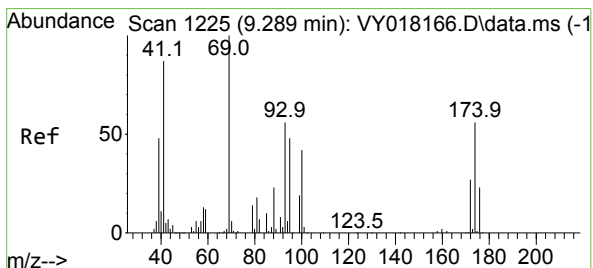
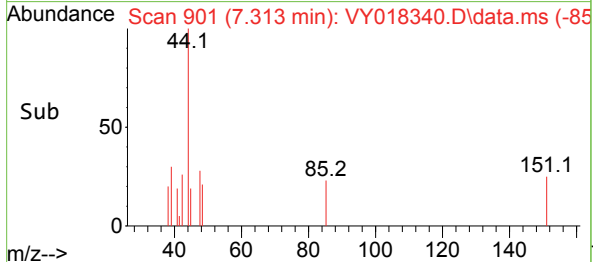
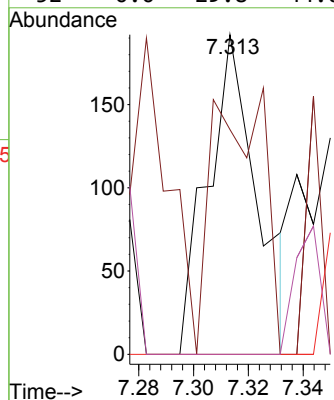
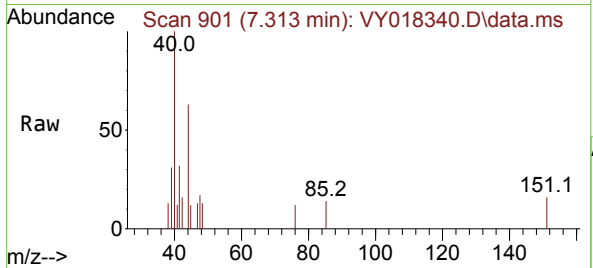




#41
Methacrylonitrile
Concen: 3.866 ug/l
RT: 7.313 min Scan# 901
Delta R.T. -0.000 min
Lab File: VY018340.D
Acq: 20 May 2024 17:39

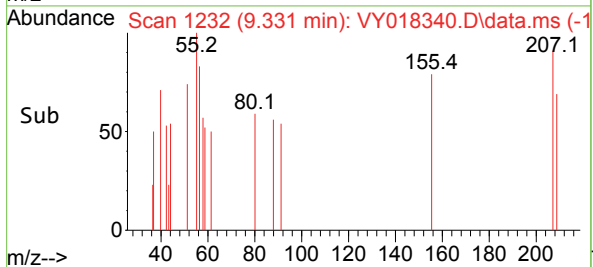
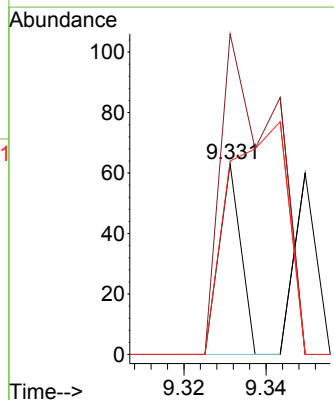
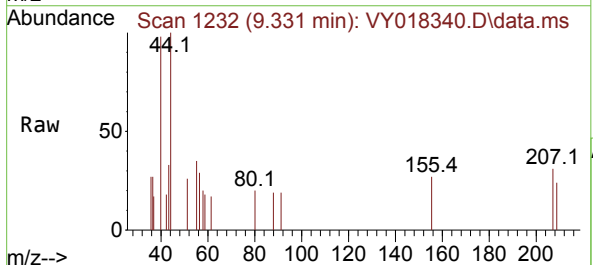
Instrument :
MSVOA_Y
ClientSampleId :
WCS-TPN-VOC

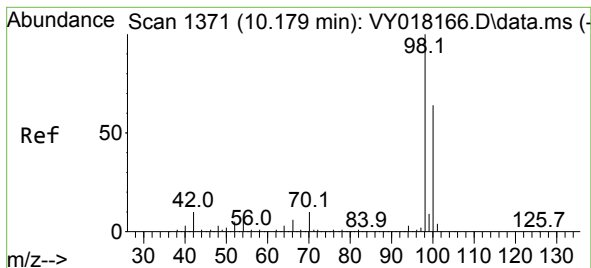
Tgt Ion:	41	Resp:	241
Ion	Ratio	Lower	Upper
41	100		
39	85.9	48.0	72.0#
67	0.0	75.1	112.7#
52	0.0	29.8	44.6#



#49
1,4-Dioxane
Concen: 16.712 ug/l
RT: 9.331 min Scan# 1232
Delta R.T. 0.043 min
Lab File: VY018340.D
Acq: 20 May 2024 17:39

Tgt Ion:	88	Resp:	23
Ion	Ratio	Lower	Upper
88	100		
43	413.0	0.0	0.0#
58	0.0	49.3	73.9#

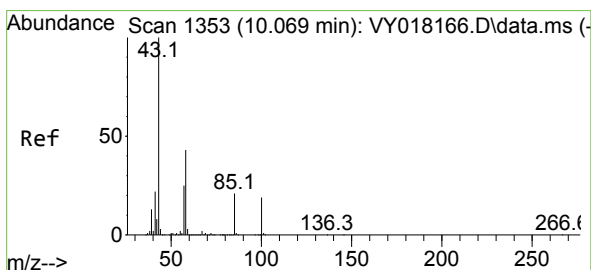
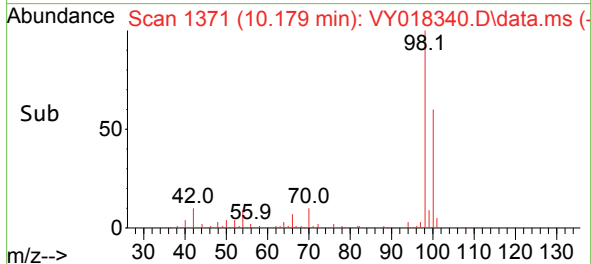
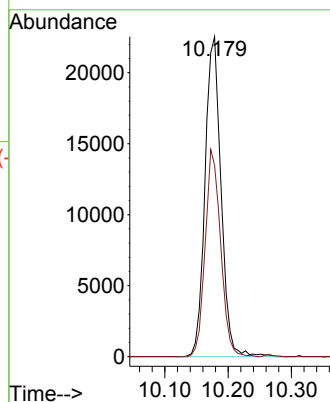
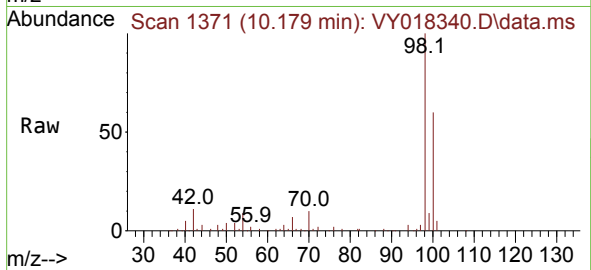




#50
Toluene-d8
Concen: 56.343 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY018340.D
Acq: 20 May 2024 17:39

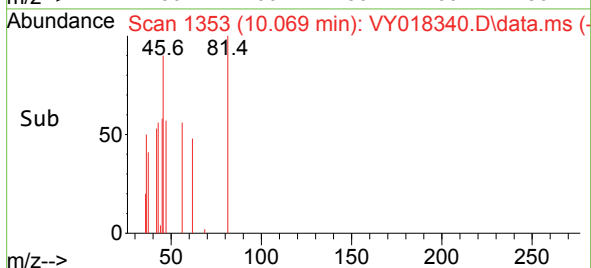
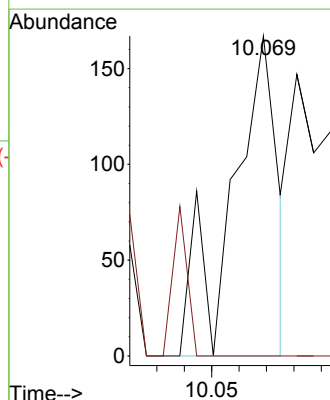
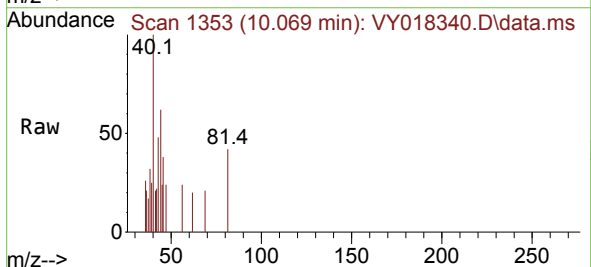
Instrument :
MSVOA_Y
ClientSampleId :
WCS-TPN-VOC

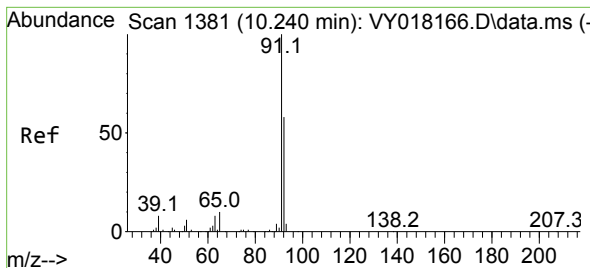
Tgt Ion: 98 Resp: 39720
Ion Ratio Lower Upper
98 100
100 62.6 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 1.754 ug/l
RT: 10.069 min Scan# 1353
Delta R.T. -0.000 min
Lab File: VY018340.D
Acq: 20 May 2024 17:39

Tgt Ion: 43 Resp: 195
Ion Ratio Lower Upper
43 100
58 0.0 35.7 53.5#





#52

Toluene

Concen: 13.552 ug/l

RT: 10.240 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY018340.D

Acq: 20 May 2024 17:39

Instrument :

MSVOA_Y

ClientSampleId :

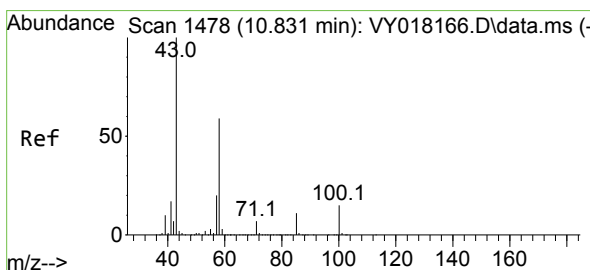
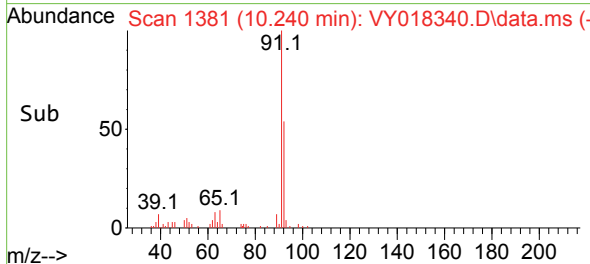
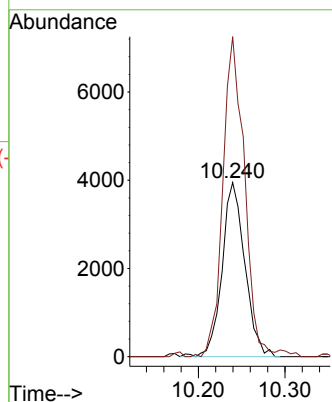
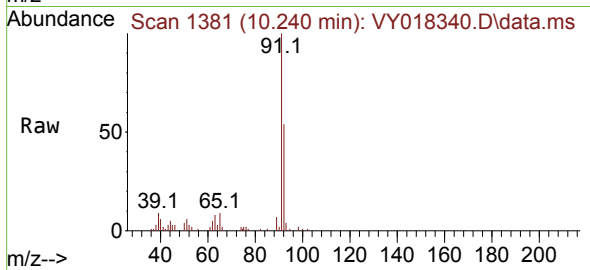
WCS-TPN-VOC

Tgt Ion: 92 Resp: 7197

Ion Ratio Lower Upper

92 100

91 173.6 139.0 208.6



#59

2-Hexanone

Concen: 2.264 ug/l

RT: 10.752 min Scan# 1465

Delta R.T. -0.079 min

Lab File: VY018340.D

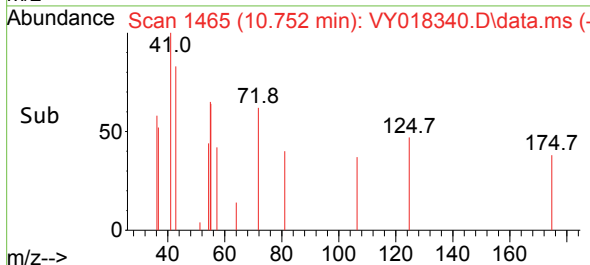
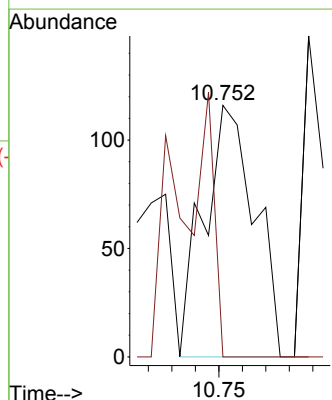
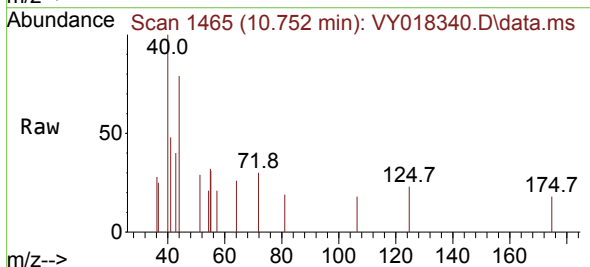
Acq: 20 May 2024 17:39

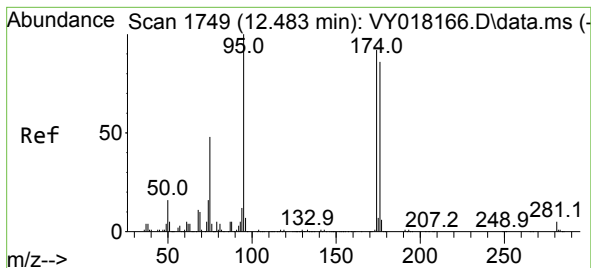
Tgt Ion: 43 Resp: 176

Ion Ratio Lower Upper

43 100

58 71.6 31.4 94.0

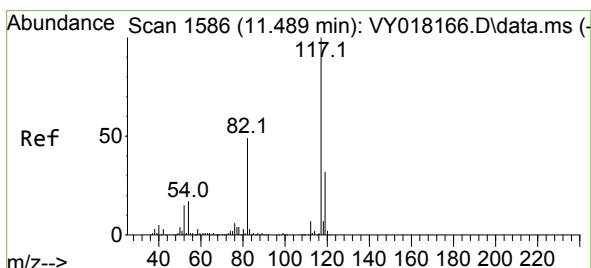
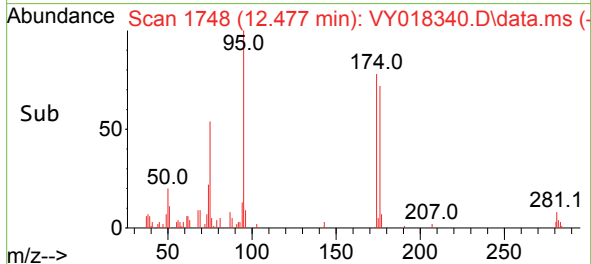
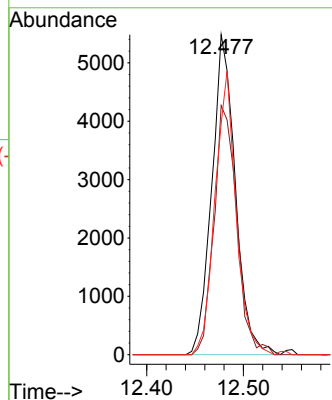
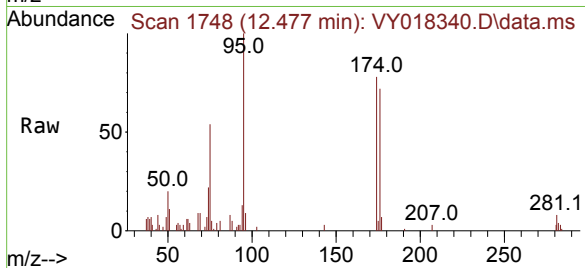




#62
4-Bromofluorobenzene
Concen: 40.639 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY018340.D
Acq: 20 May 2024 17:39

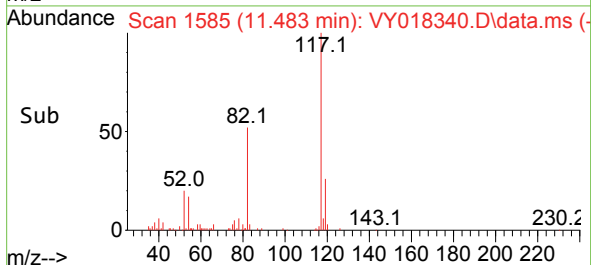
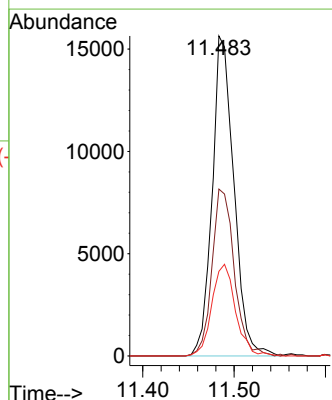
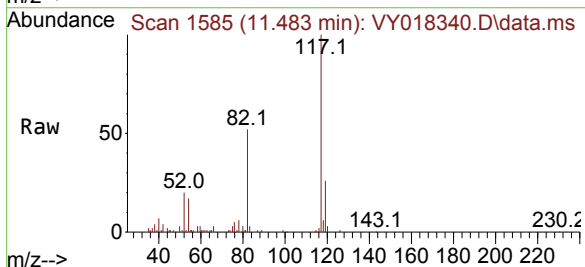
Instrument :
MSVOA_Y
ClientSampleId :
WCS-TPN-VOC

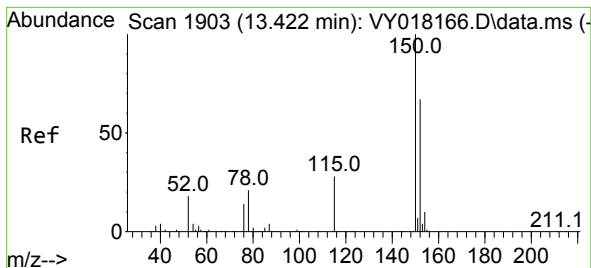
Tgt Ion: 95 Resp: 9252
Ion Ratio Lower Upper
95 100
174 76.0 0.0 175.6
176 79.3 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.483 min Scan# 1585
Delta R.T. -0.006 min
Lab File: VY018340.D
Acq: 20 May 2024 17:39

Tgt Ion: 117 Resp: 25807
Ion Ratio Lower Upper
117 100
82 52.2 42.4 63.6
119 26.5 25.9 38.9

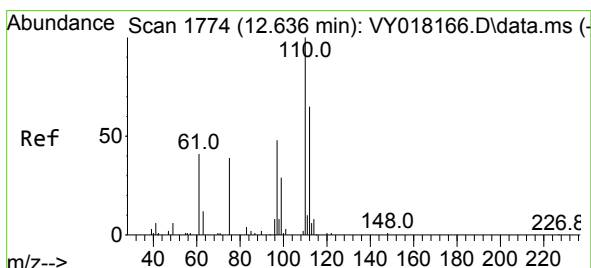
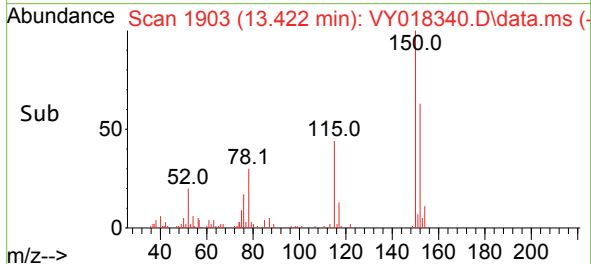
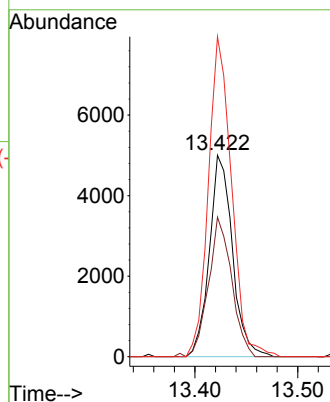
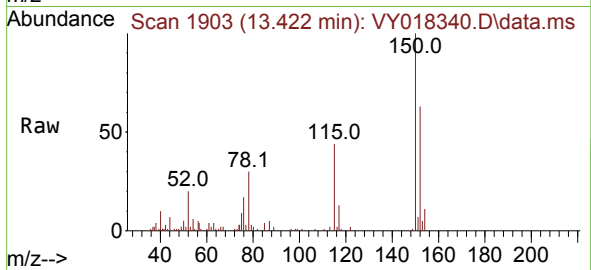




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY018340.D
Acq: 20 May 2024 17:39

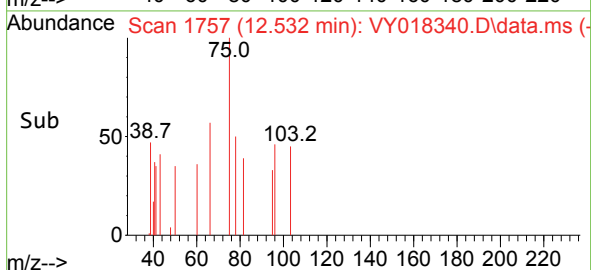
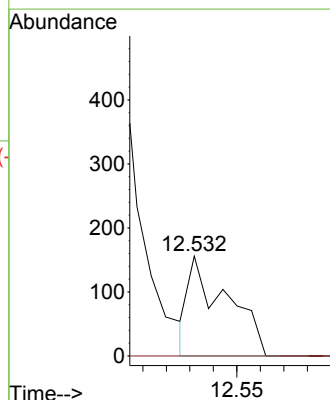
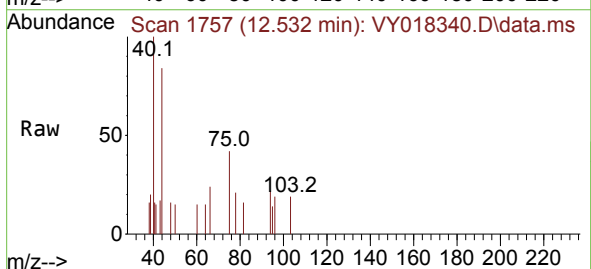
Instrument :
MSVOA_Y
ClientSampleId :
WCS-TPN-VOC

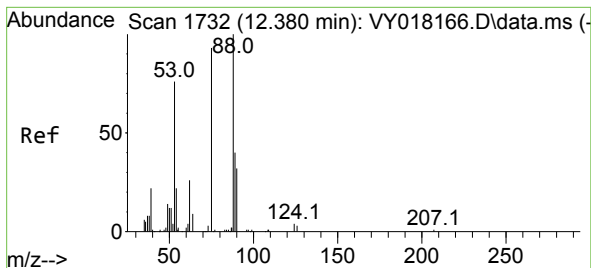
Tgt Ion:	152	Resp:	7825
Ion	Ratio	Lower	Upper
152	100		
115	69.3	28.2	84.7
150	159.0	0.0	345.6



#76
1,2,3-Trichloropropane
Concen: 2.826 ug/l
RT: 12.532 min Scan# 1757
Delta R.T. -0.104 min
Lab File: VY018340.D
Acq: 20 May 2024 17:39

Tgt Ion:	75	Resp:	177
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

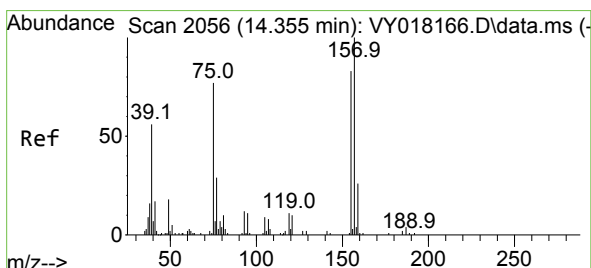
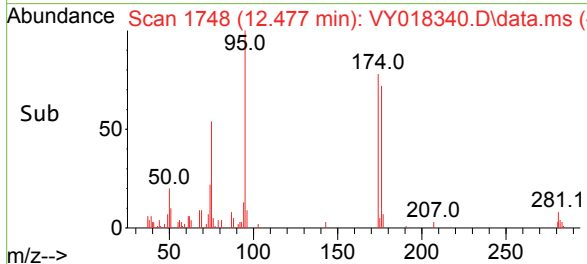
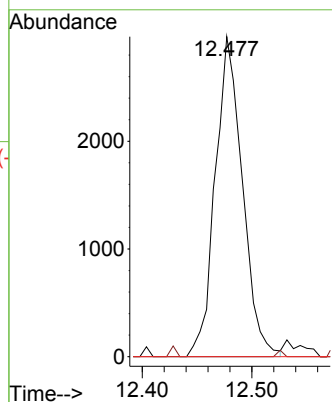
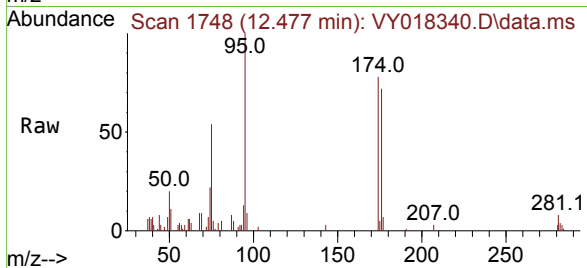




#81
trans-1,4-Dichloro-2-butene
Concen: 157.802 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.097 min
Lab File: VY018340.D
Acq: 20 May 2024 17:39

Instrument :
MSVOA_Y
ClientSampleId :
WCS-TPN-VOC

Tgt Ion: 75 Resp: 5130
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.0 35.8 53.6#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.726 ug/l
RT: 14.318 min Scan# 2050
Delta R.T. -0.037 min
Lab File: VY018340.D
Acq: 20 May 2024 17:39

Tgt Ion: 75 Resp: 22
Ion Ratio Lower Upper
75 100
155 0.0 48.6 145.8#
157 90.9 62.7 188.2

