

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110222\
 Data File : VY011266.D
 Acq On : 02 Nov 2022 16:34
 Operator : KP/MD
 Sample : N5398-10
 Misc : 4.25g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 S-7-103122

Quant Time: Nov 03 05:17:49 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110122S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 01 11:56:18 2022
 Response via : Initial Calibration

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

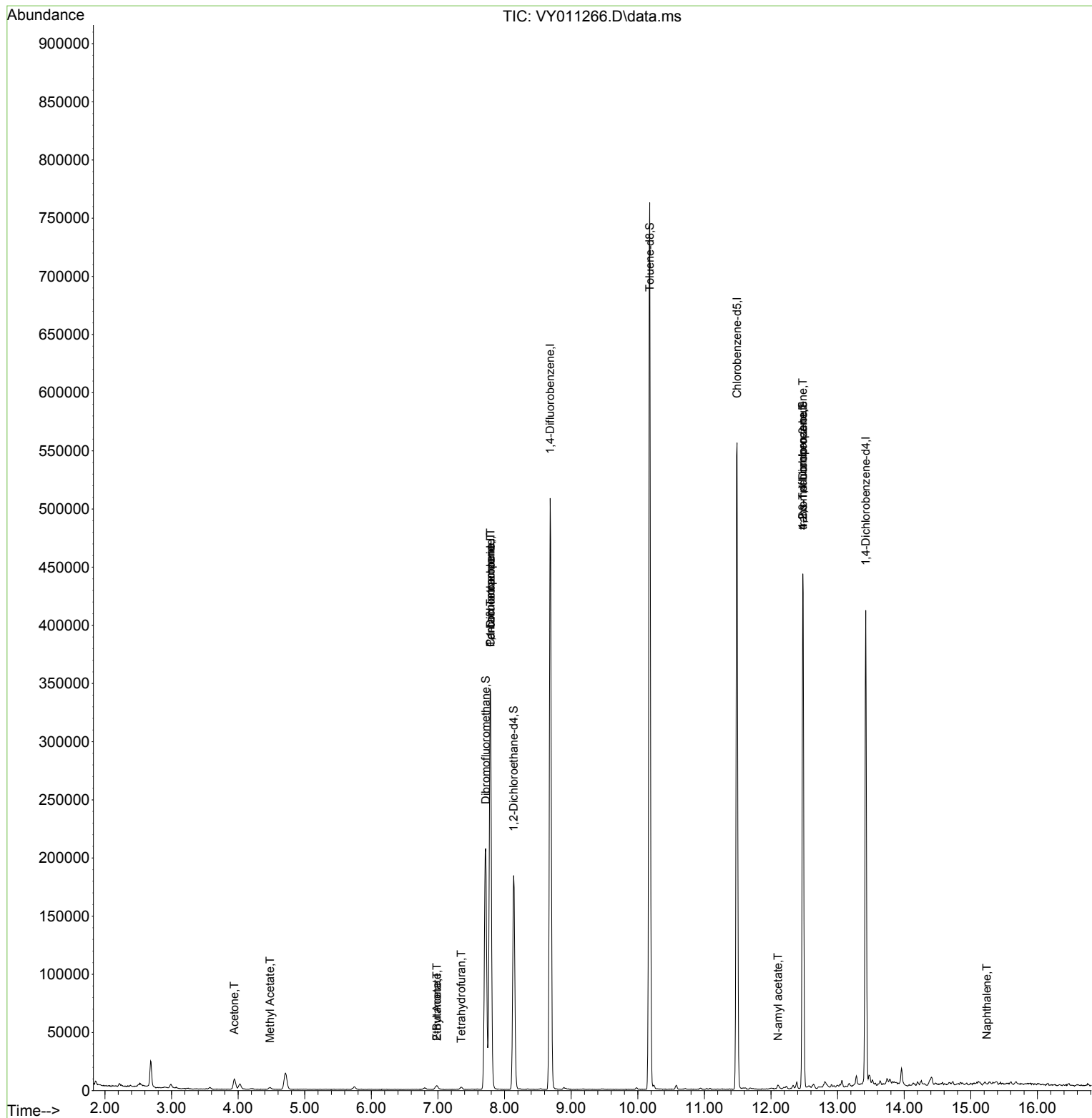
Internal Standards						
1) Pentafluorobenzene	7.789	168	273199	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	447723	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	322441	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	107373	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	142533	48.781	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.560%
35) Dibromofluoromethane	7.716	113	154409	53.678	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	107.360%
50) Toluene-d8	10.179	98	517102	46.299	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	92.600%
62) 4-Bromofluorobenzene	12.477	95	139220	35.906	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	71.820%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	90	Below Cal	#	43
11) Tert butyl alcohol	4.936	59	150	Below Cal	#	77
16) Acetone	3.942	43	15394	17.453	ug/l #	81
18) Methyl Acetate	4.479	43	2950	1.263	ug/l #	88
20) Methylene Chloride	4.710	84	11531	Below Cal	#	82
25) 2-Butanone	6.984	43	3544	2.856	ug/l #	90
29) Tetrahydrofuran	7.350	42	1447	2.003	ug/l #	83
36) 1,1-Dichloropropene	7.789	75	20853	4.439	ug/l #	50
37) Ethyl Acetate	6.984	43	3544	1.399	ug/l #	79
38) Carbon Tetrachloride	7.789	117	26840	5.507	ug/l #	15
74) N-amyl acetate	12.105	43	2042	1.013	ug/l #	49
76) 1,2,3-Trichloropropane	12.477	75	68282	52.236	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	68282	111.792	ug/l #	7
95) Naphthalene	15.239	128	468	4.059	ug/l #	86

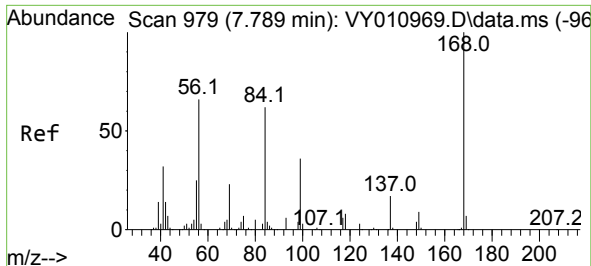
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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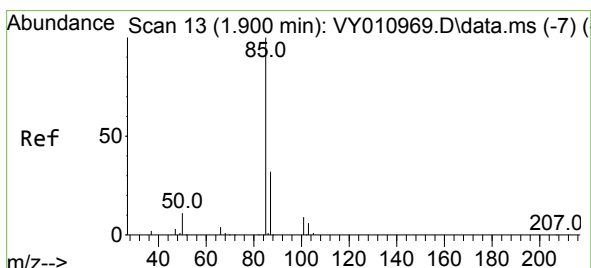
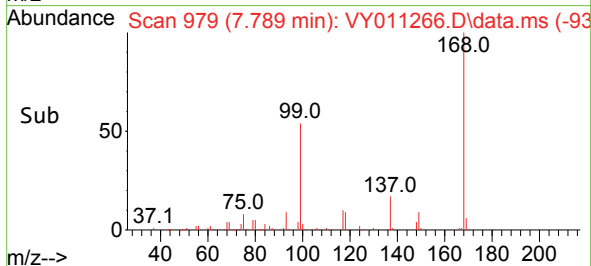
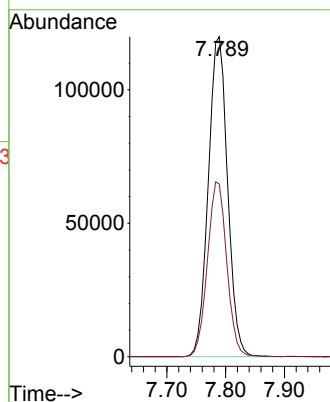
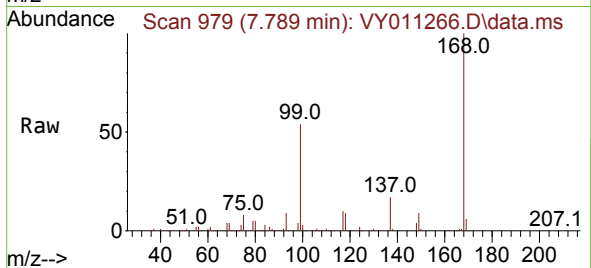




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY011266.D
Acq: 02 Nov 2022 16:34

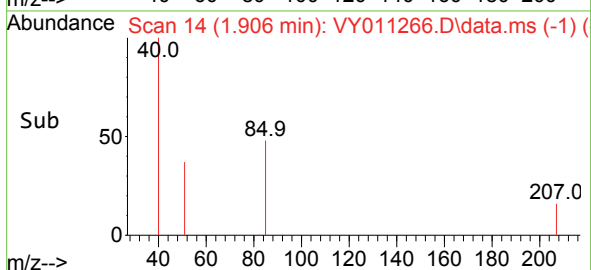
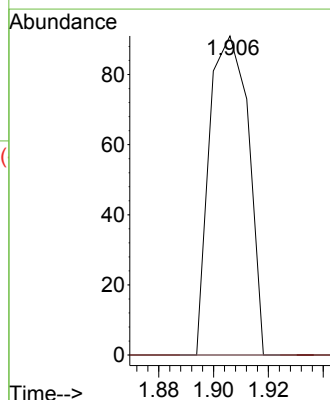
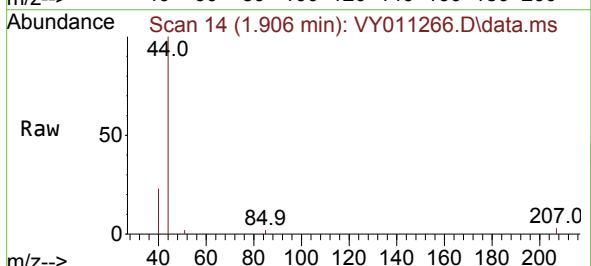
Instrument :
MSVOA_Y
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S-7-103122

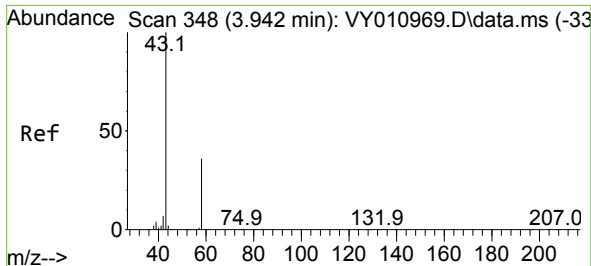
Tgt Ion:168 Resp: 273199
Ion Ratio Lower Upper
168 100
99 54.0 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY011266.D
Acq: 02 Nov 2022 16:34

Tgt Ion: 85 Resp: 90
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

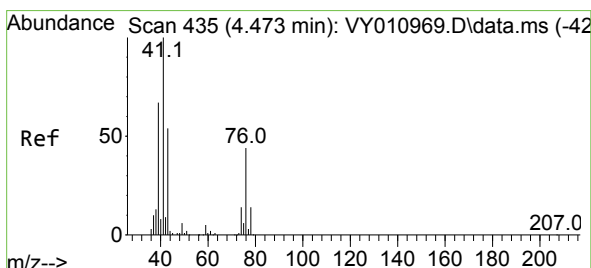
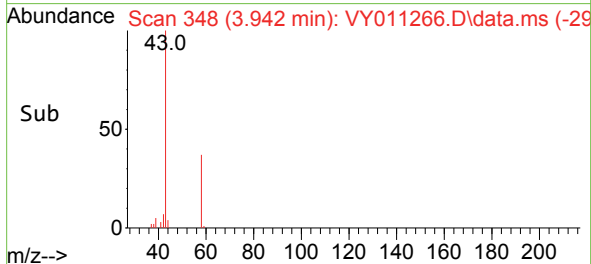
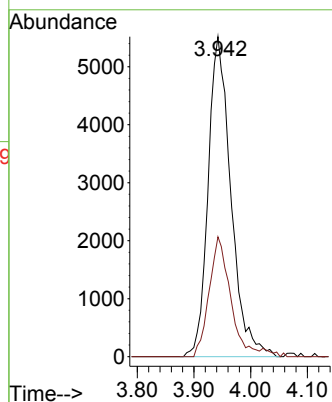
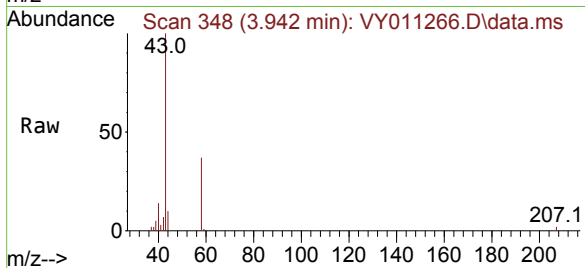




#16
Acetone
Concen: 17.453 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY011266.D
Acq: 02 Nov 2022 16:34

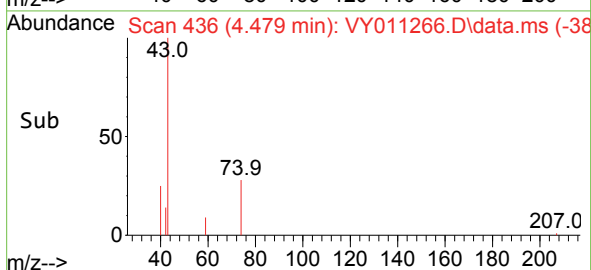
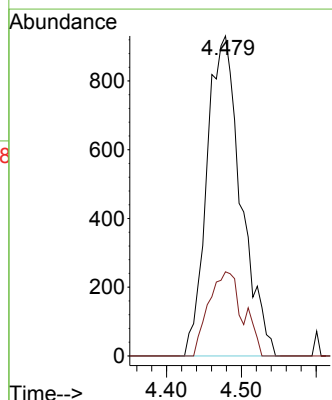
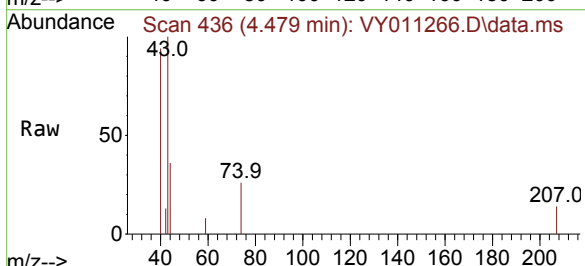
Instrument :
MSVOA_Y
ClientSampleId :
S-7-103122

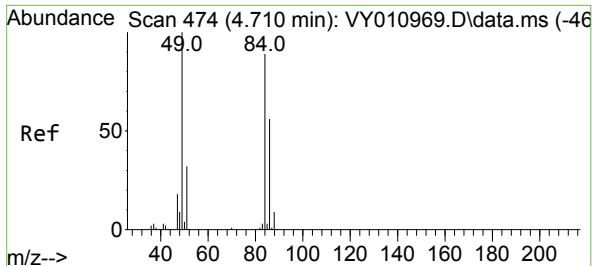
Tgt Ion: 43 Resp: 15394
Ion Ratio Lower Upper
43 100
58 37.5 22.0 33.0#



#18
Methyl Acetate
Concen: 1.263 ug/l
RT: 4.479 min Scan# 436
Delta R.T. 0.006 min
Lab File: VY011266.D
Acq: 02 Nov 2022 16:34

Tgt Ion: 43 Resp: 2950
Ion Ratio Lower Upper
43 100
74 26.2 16.6 24.8#

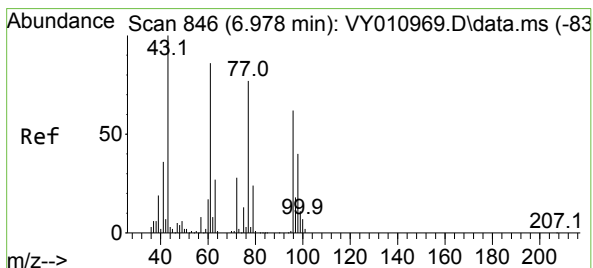
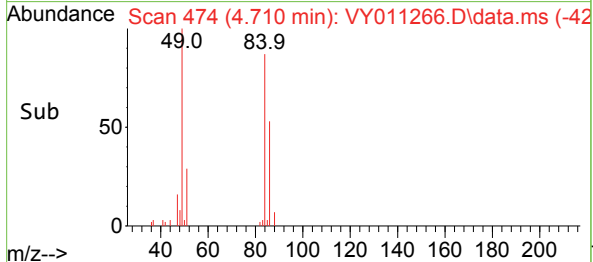
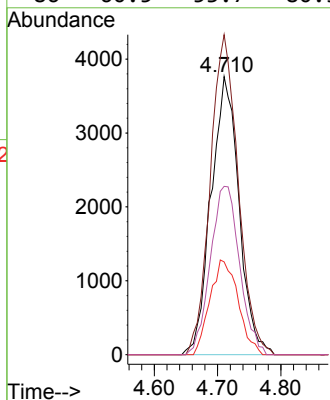
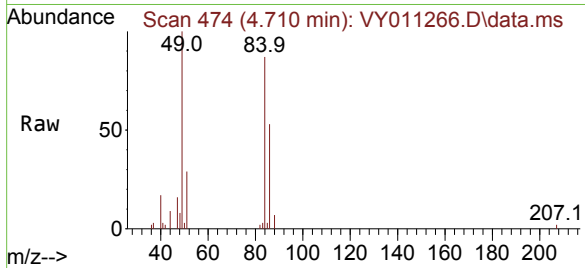




#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY011266.D
Acq: 02 Nov 2022 16:34

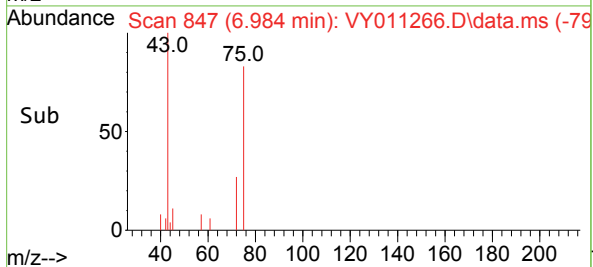
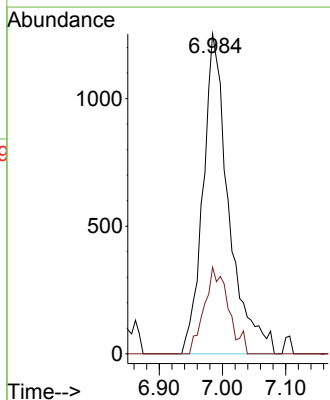
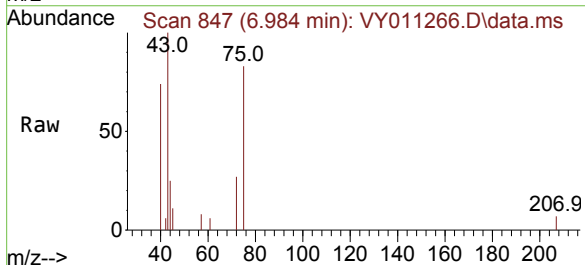
Instrument :
MSVOA_Y
ClientSampleId :
S-7-103122

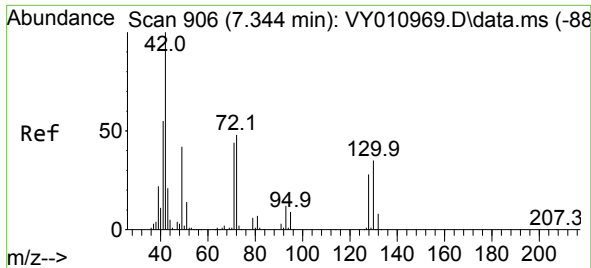
Tgt Ion: 84 Resp: 11531
Ion Ratio Lower Upper
84 100
49 115.1 114.4 171.6
51 33.4 35.3 52.9#
86 60.5 53.7 80.5



#25
2-Butanone
Concen: 2.856 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.006 min
Lab File: VY011266.D
Acq: 02 Nov 2022 16:34

Tgt Ion: 43 Resp: 3544
Ion Ratio Lower Upper
43 100
72 27.1 17.7 26.5#

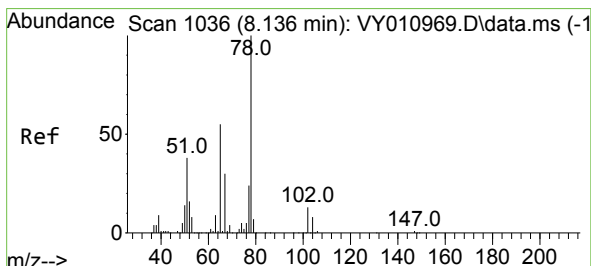
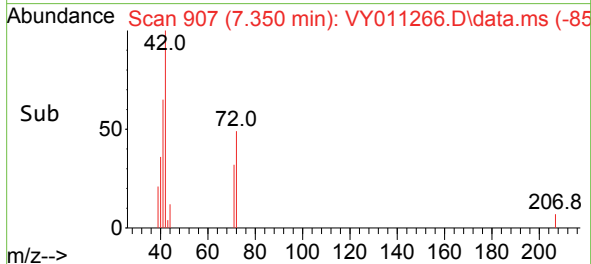
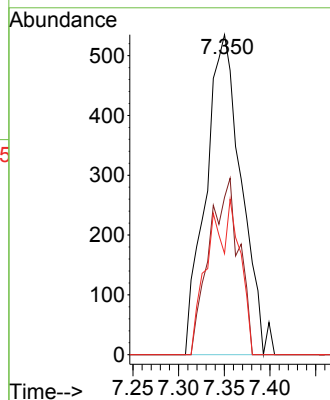
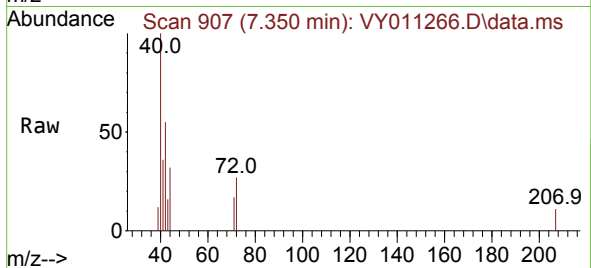




#29
Tetrahydrofuran
Concen: 2.003 ug/l
RT: 7.350 min Scan# 906
Delta R.T. 0.006 min
Lab File: VY011266.D
Acq: 02 Nov 2022 16:34

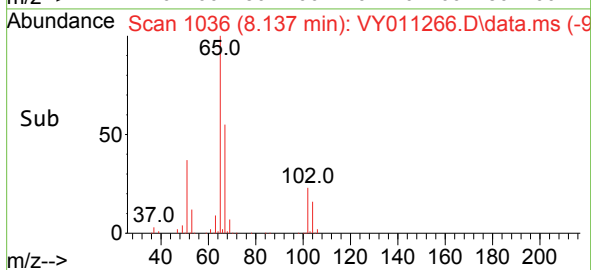
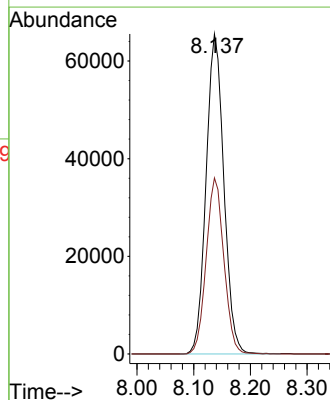
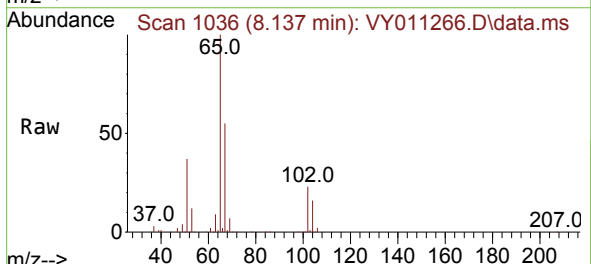
Instrument :
MSVOA_Y
ClientSampleId :
S-7-103122

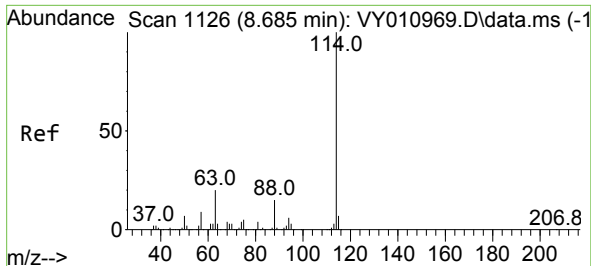
Tgt Ion: 42 Resp: 1447
Ion Ratio Lower Upper
42 100
72 46.3 30.3 45.5#
71 24.4 29.0 43.4#



#33
1,2-Dichloroethane-d4
Concen: 48.781 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. 0.001 min
Lab File: VY011266.D
Acq: 02 Nov 2022 16:34

Tgt Ion: 65 Resp: 142533
Ion Ratio Lower Upper
65 100
67 54.7 0.0 99.4

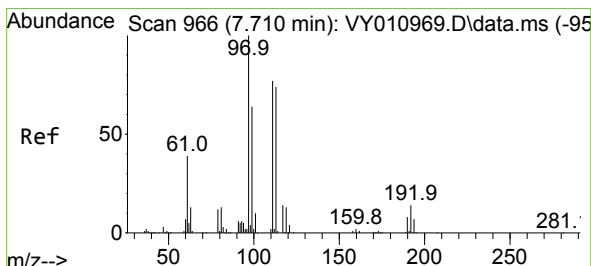
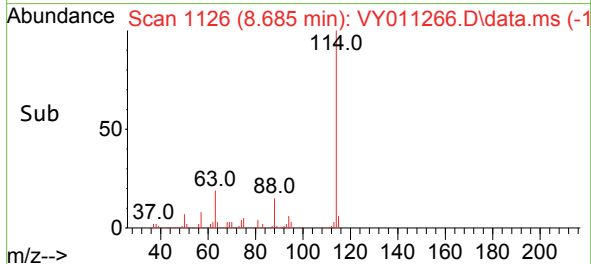
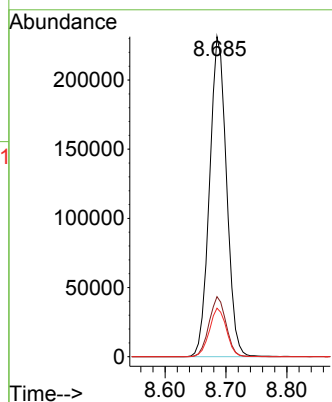
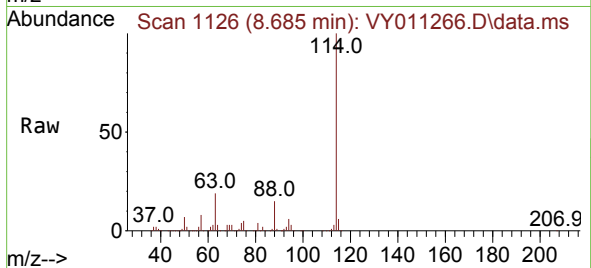




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VY011266.D
Acq: 02 Nov 2022 16:34

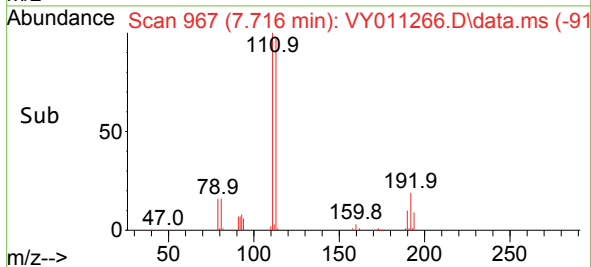
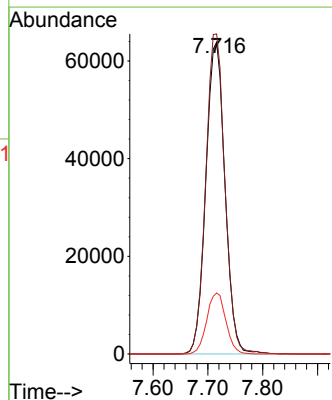
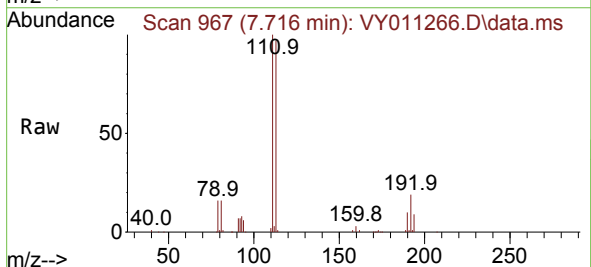
Instrument :
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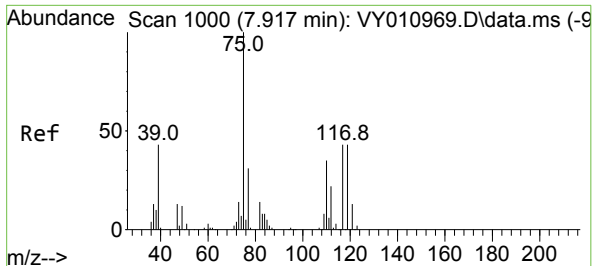
Tgt Ion:114 Resp: 447723
Ion Ratio Lower Upper
114 100
63 18.7 0.0 43.2
88 15.2 0.0 31.8



#35
Dibromofluoromethane
Concen: 53.678 ug/l
RT: 7.716 min Scan# 967
Delta R.T. 0.006 min
Lab File: VY011266.D
Acq: 02 Nov 2022 16:34

Tgt Ion:113 Resp: 154409
Ion Ratio Lower Upper
113 100
111 102.9 82.6 124.0
192 19.6 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.439 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY011266.D

Acq: 02 Nov 2022 16:34

Instrument :

MSVOA_Y

ClientSampleId :

S-7-103122

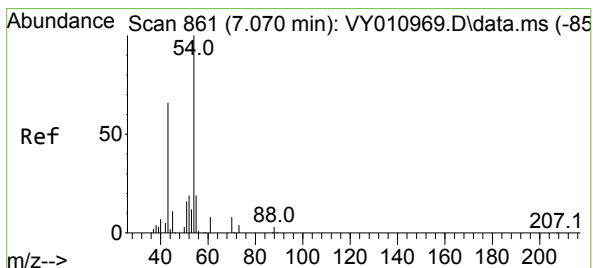
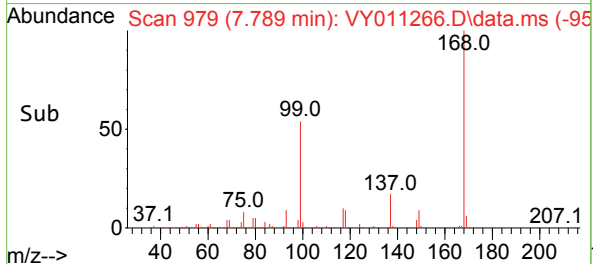
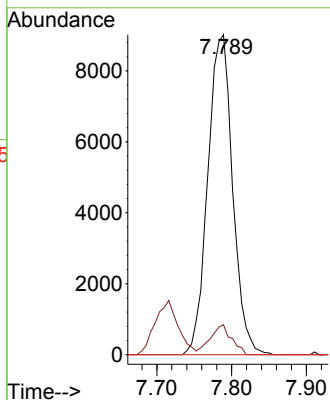
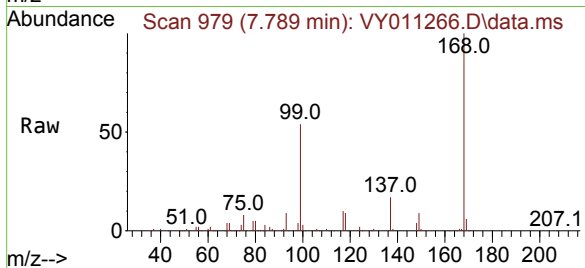
Tgt Ion: 75 Resp: 20853

Ion Ratio Lower Upper

75 100

110 8.0 17.1 51.2#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 1.399 ug/l

RT: 6.984 min Scan# 847

Delta R.T. -0.086 min

Lab File: VY011266.D

Acq: 02 Nov 2022 16:34

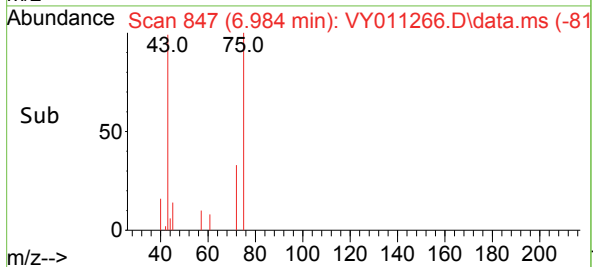
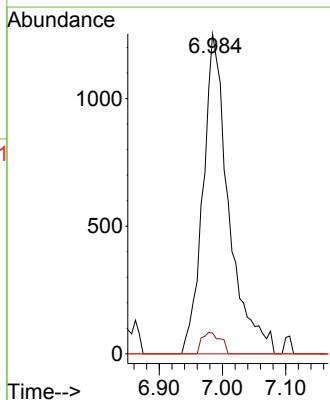
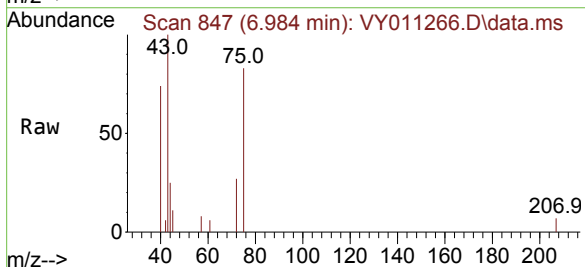
Tgt Ion: 43 Resp: 3544

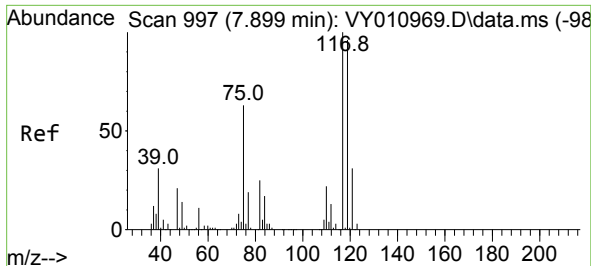
Ion Ratio Lower Upper

43 100

61 4.9 9.7 14.5#

70 0.0 7.1 10.7#

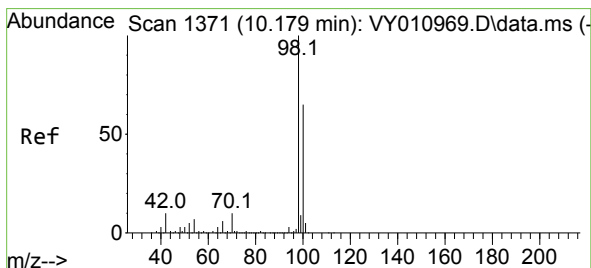
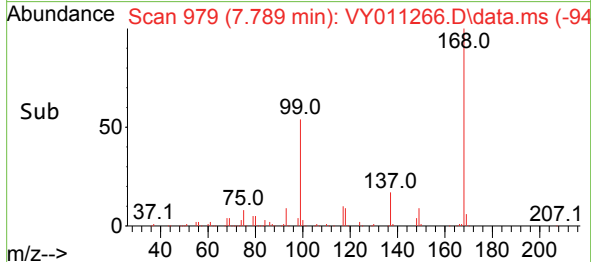
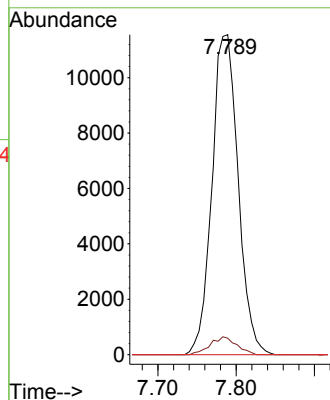
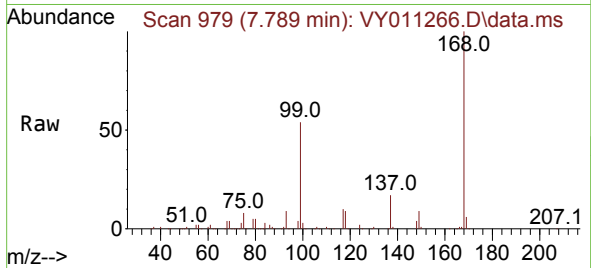




#38
Carbon Tetrachloride
Concen: 5.507 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY011266.D
Acq: 02 Nov 2022 16:34

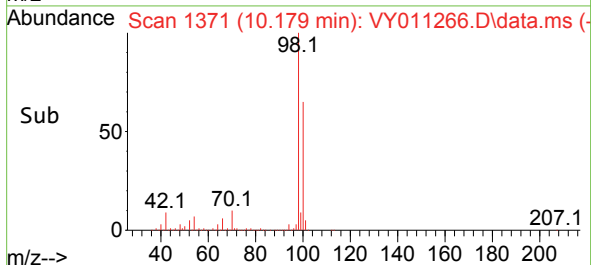
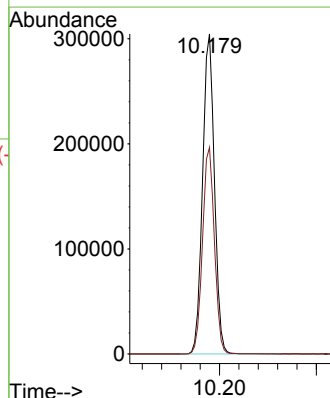
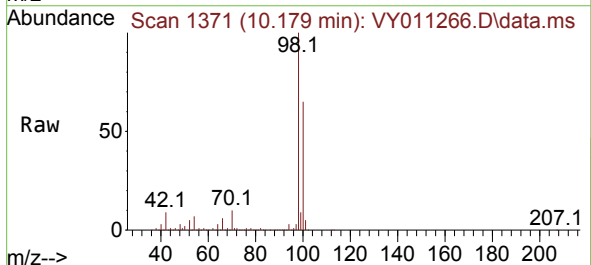
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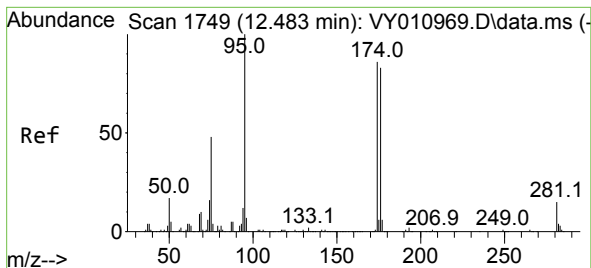
Tgt Ion:117 Resp: 26840
Ion Ratio Lower Upper
117 100
119 5.2 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 46.299 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011266.D
Acq: 02 Nov 2022 16:34

Tgt Ion: 98 Resp: 517102
Ion Ratio Lower Upper
98 100
100 64.9 50.2 75.2

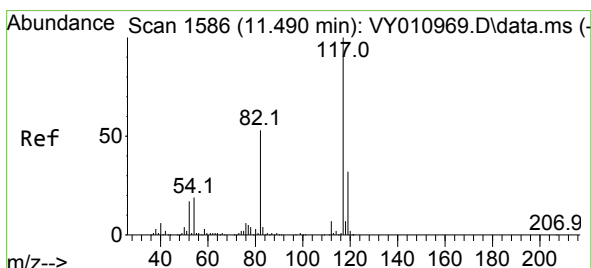
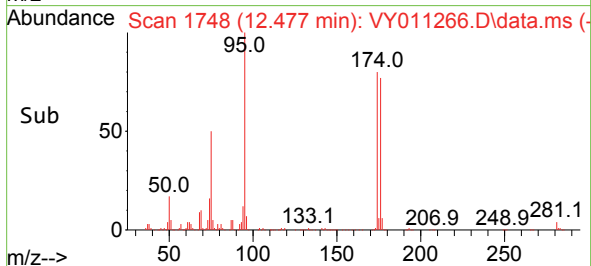
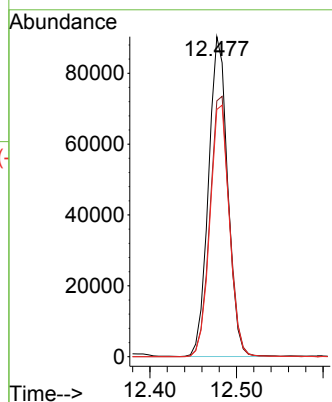
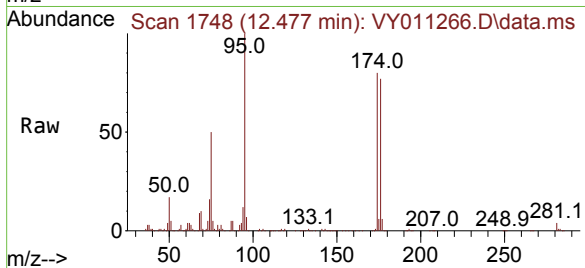




#62
4-Bromofluorobenzene
Concen: 35.906 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY011266.D
Acq: 02 Nov 2022 16:34

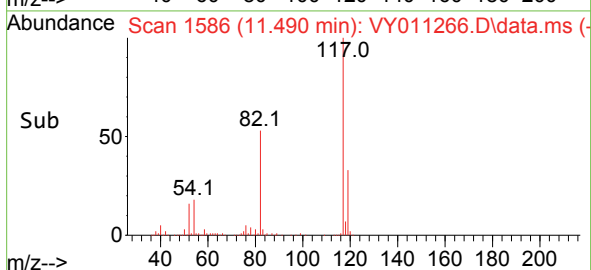
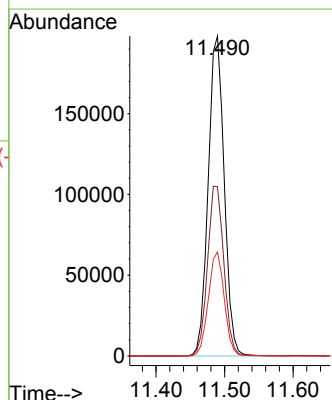
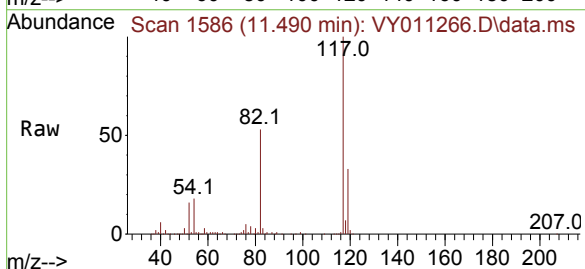
Instrument :
MSVOA_Y
ClientSampleId :
S-7-103122

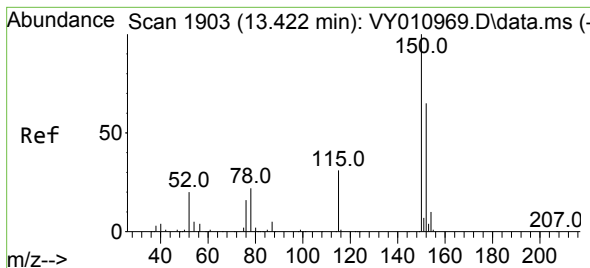
Tgt Ion: 95 Resp: 139220
Ion Ratio Lower Upper
95 100
174 82.9 0.0 177.0
176 79.5 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY011266.D
Acq: 02 Nov 2022 16:34

Tgt Ion: 117 Resp: 322441
Ion Ratio Lower Upper
117 100
82 52.9 43.0 64.4
119 32.5 25.4 38.0

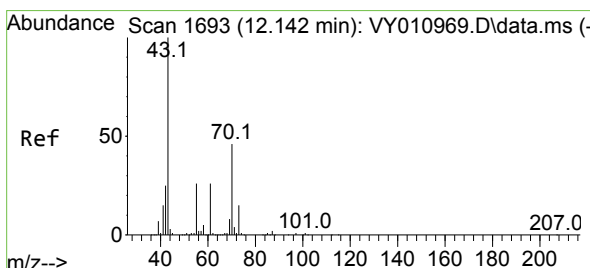
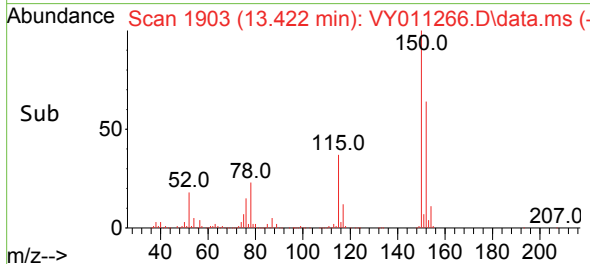
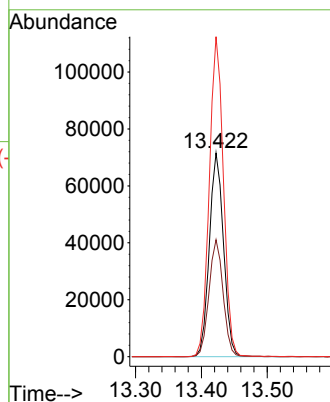
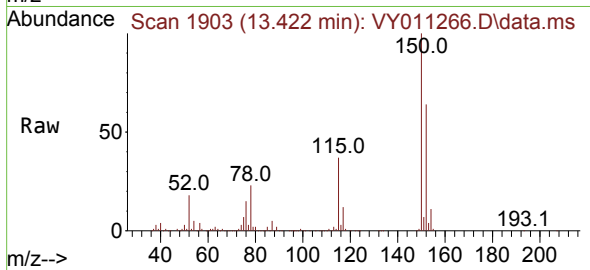




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY011266.D
Acq: 02 Nov 2022 16:34

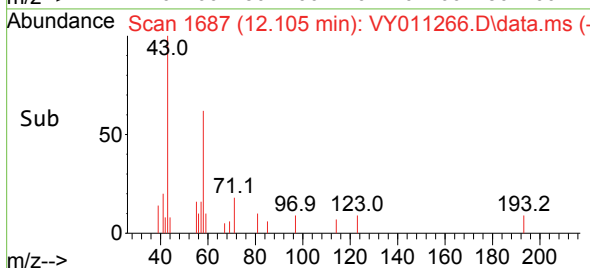
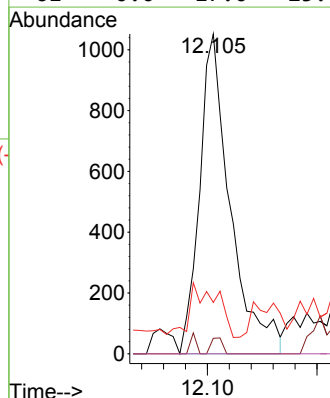
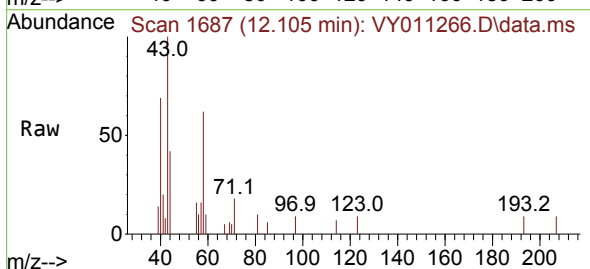
Instrument :
MSVOA_Y
ClientSampleId :
S-7-103122

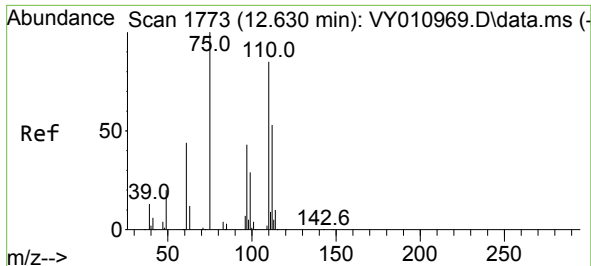
Tgt Ion:152 Resp: 107373
Ion Ratio Lower Upper
152 100
115 57.3 28.2 84.7
150 156.3 0.0 347.6



#74
N-ethyl acetate
Concen: 1.013 ug/l
RT: 12.105 min Scan# 1687
Delta R.T. -0.037 min
Lab File: VY011266.D
Acq: 02 Nov 2022 16:34

Tgt Ion: 43 Resp: 2042
Ion Ratio Lower Upper
43 100
70 1.9 28.7 43.1#
55 0.0 17.3 25.9#
61 0.0 17.0 25.6#

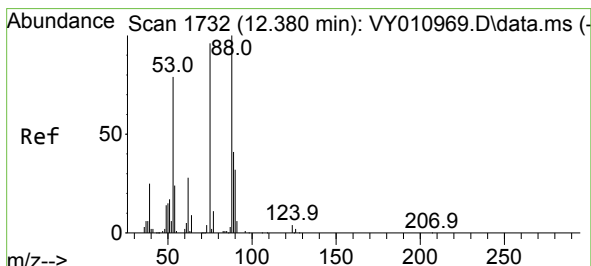
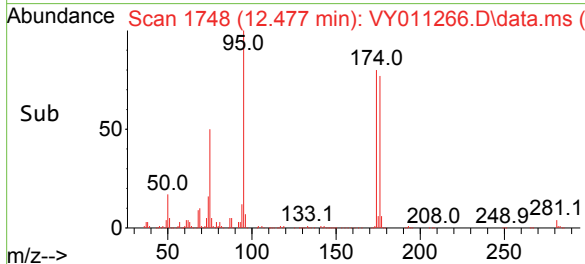
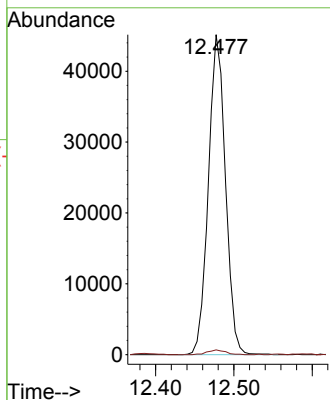
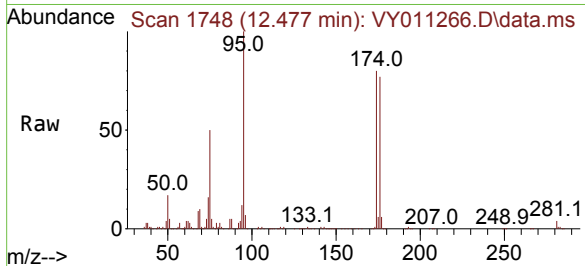




#76
1,2,3-Trichloropropane
Concen: 52.236 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY011266.D
Acq: 02 Nov 2022 16:34

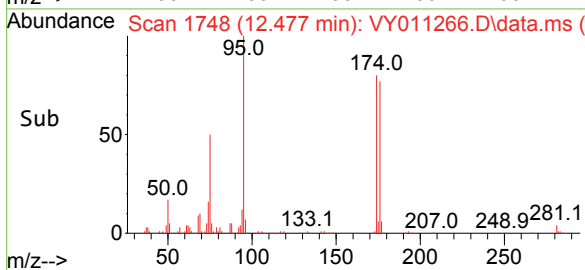
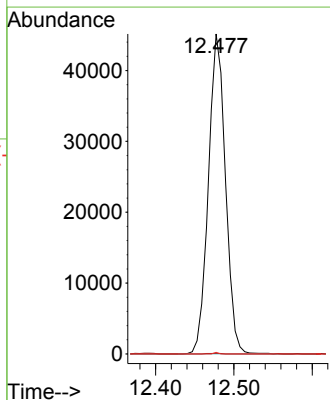
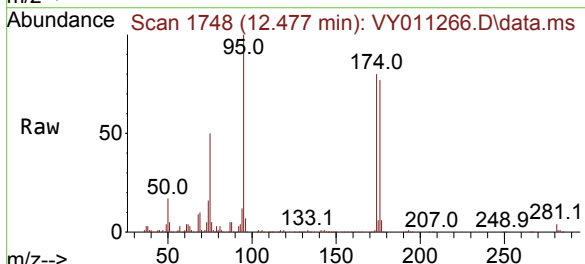
Instrument :
MSVOA_Y
ClientSampleId :
S-7-103122

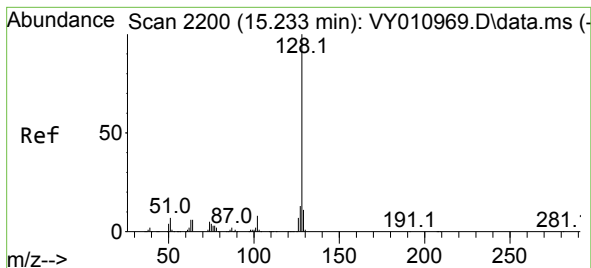
Tgt Ion: 75 Resp: 68282
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 111.792 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.097 min
Lab File: VY011266.D
Acq: 02 Nov 2022 16:34

Tgt Ion: 75 Resp: 68282
Ion Ratio Lower Upper
75 100
53 0.2 85.3 127.9#
89 0.1 37.0 55.4#





#95

Naphthalene

Concen: 4.059 ug/l

RT: 15.239 min Scan# 21

Delta R.T. 0.006 min

Lab File: VY011266.D

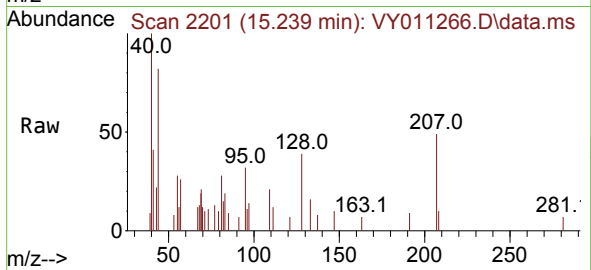
Acq: 02 Nov 2022 16:34

Instrument :

MSVOA_Y

ClientSampleId :

S-7-103122



Tgt Ion:128 Resp: 468

Ion Ratio Lower Upper

128 100

127 12.2 11.0 16.4

129 0.0 8.4 12.6#

