

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091823\
 Data File : VY015616.D
 Acq On : 18 Sep 2023 15:48
 Operator : SY/MD
 Sample : 04424-01
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 18 17:33:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 31 20:01:47 2023
 Response via : Initial Calibration

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

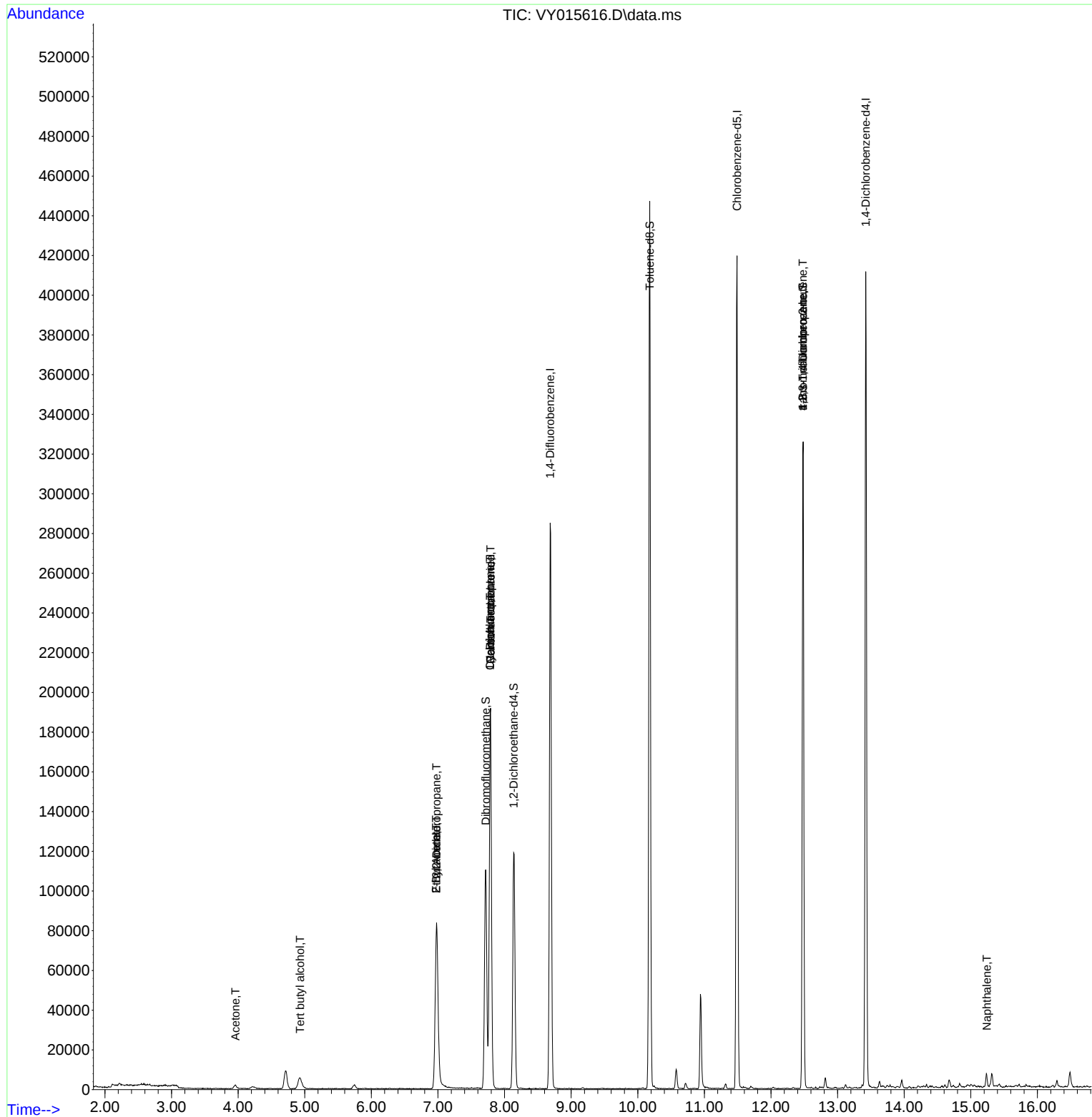
Internal Standards						
1) Pentafluorobenzene	7.789	168	148486	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	248558	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	227265	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	106994	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	94914	59.629	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 119.260%			
35) Dibromofluoromethane	7.716	113	78465	54.808	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.620%			
50) Toluene-d8	10.179	98	290643	56.060	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 112.120%			
62) 4-Bromofluorobenzene	12.477	95	99742	51.823	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 103.640%			
Target Compounds			Qvalue			
11) Tert butyl alcohol	4.930	59	6996	3.426	ug/l #	91
16) Acetone	3.960	43	3402	5.121	ug/l	98
20) Methylene Chloride	4.710	84	6899	Below Cal	#	91
25) 2-Butanone	6.972	43	4448	4.720	ug/l #	85
26) 2,2-Dichloropropane	6.978	77	6345	2.514	ug/l #	54
31) Cyclohexane	7.783	56	3165	1.119	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	11780	4.686	ug/l #	50
37) Ethyl Acetate	6.972	43	4448	2.294	ug/l #	1
38) Carbon Tetrachloride	7.789	117	14907	5.742	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	53225	37.513	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	53225	82.749	ug/l #	11
95) Naphthalene	15.239	128	5392	1.011	ug/l	99

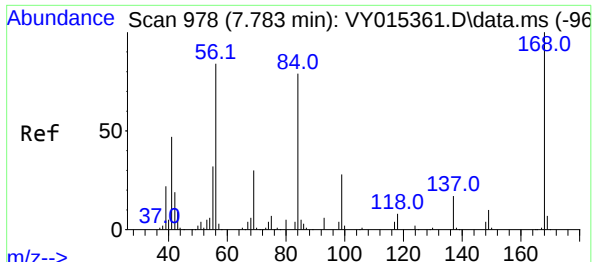
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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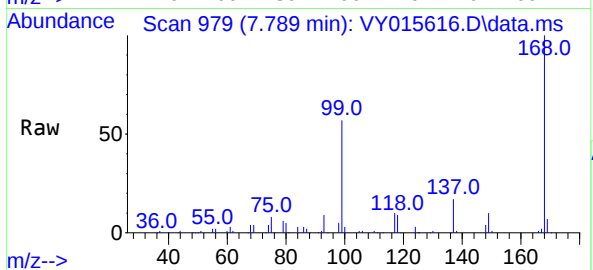
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.M
Quant Title : SW846 8260
QLast Update : Thu Aug 31 20:01:47 2023
Response via : Initial Calibration



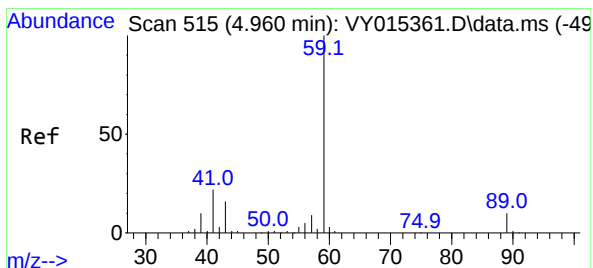
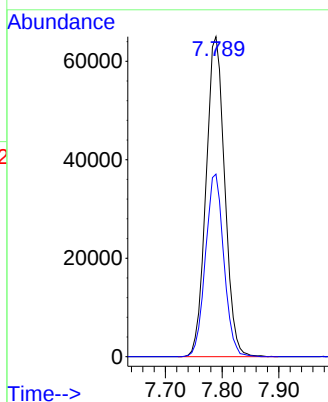
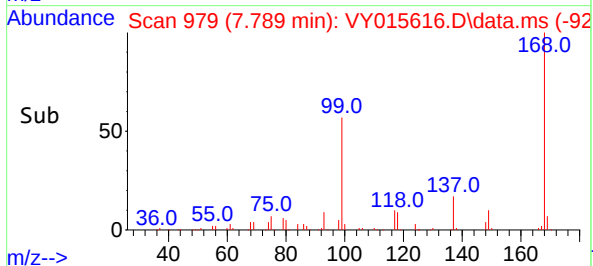


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015616.D
Acq: 18 Sep 2023 15:48

Instrument :
MSVOA_Y
ClientSampleId :

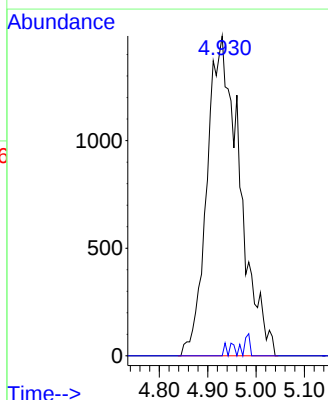
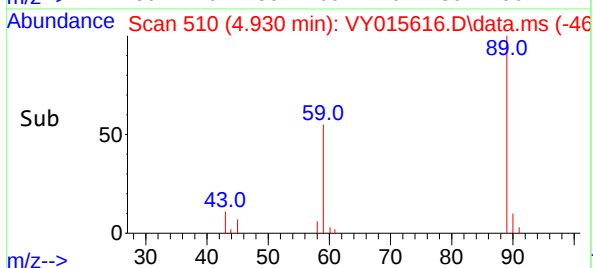
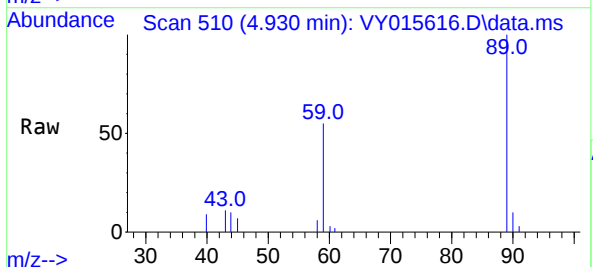


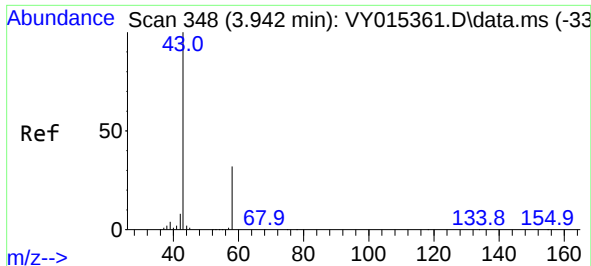
Tgt Ion:168 Resp: 148486
Ion Ratio Lower Upper
168 100
99 57.1 43.4 65.0



#11
Tert butyl alcohol
Concen: 3.426 ug/l
RT: 4.930 min Scan# 510
Delta R.T. -0.024 min
Lab File: VY015616.D
Acq: 18 Sep 2023 15:48

Tgt Ion: 59 Resp: 6996
Ion Ratio Lower Upper
59 100
57 0.9 3.0 4.4#

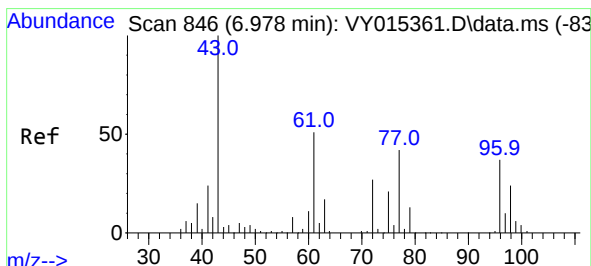
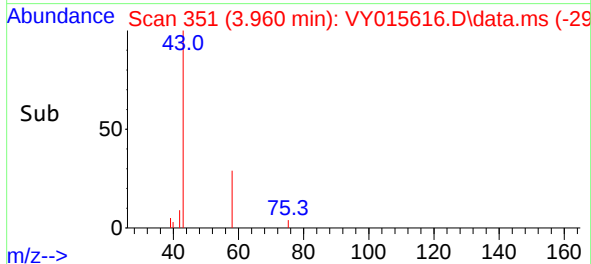
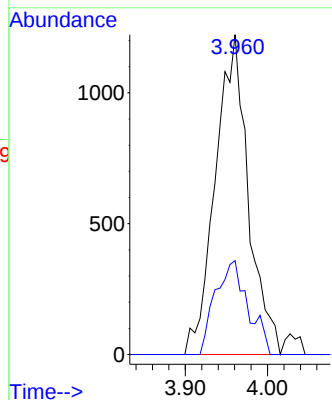
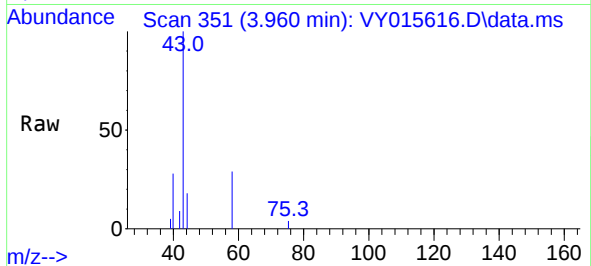




#16
Acetone
Concen: 5.121 ug/l
RT: 3.960 min Scan# 31
Delta R.T. 0.018 min
Lab File: VY015616.D
Acq: 18 Sep 2023 15:48

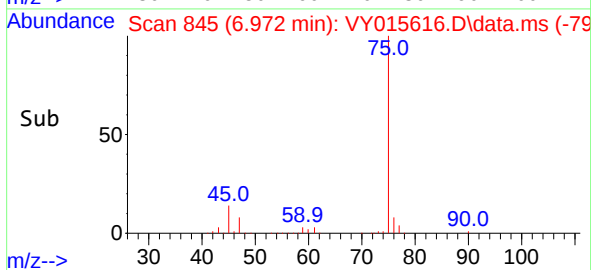
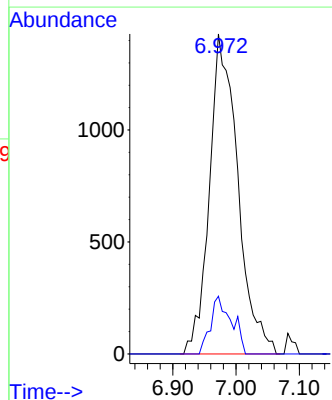
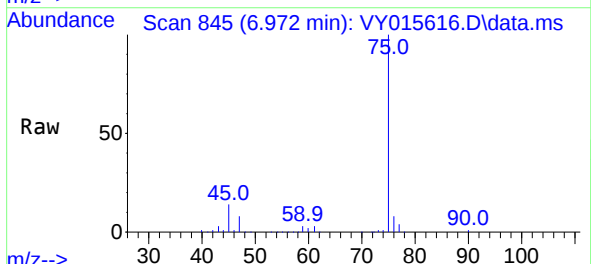
Instrument :
MSVOA_Y
ClientSampleId :

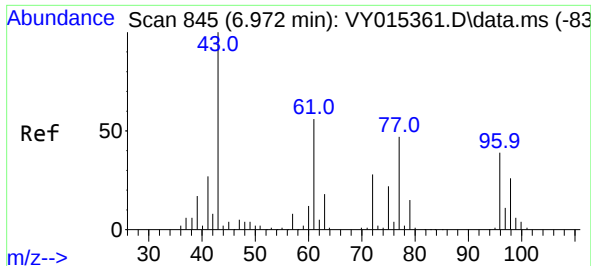
Tgt Ion: 43 Resp: 3402
Ion Ratio Lower Upper
43 100
58 29.4 22.7 34.1



#25
2-Butanone
Concen: 4.720 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.006 min
Lab File: VY015616.D
Acq: 18 Sep 2023 15:48

Tgt Ion: 43 Resp: 4448
Ion Ratio Lower Upper
43 100
72 18.1 20.5 30.7#

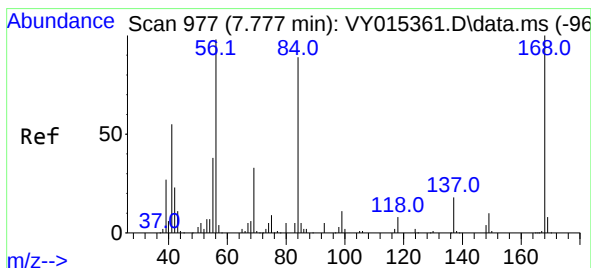
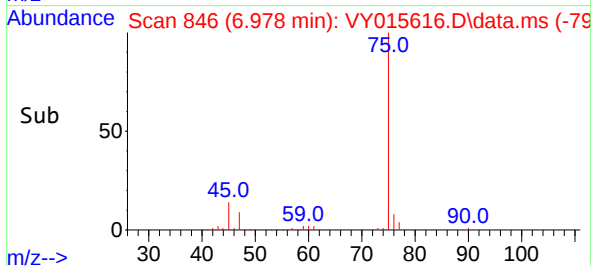
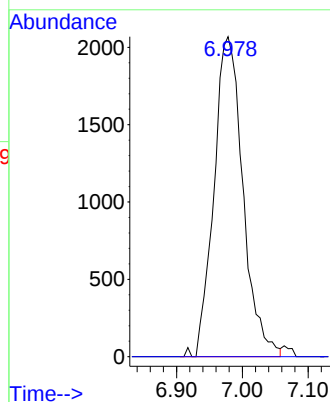
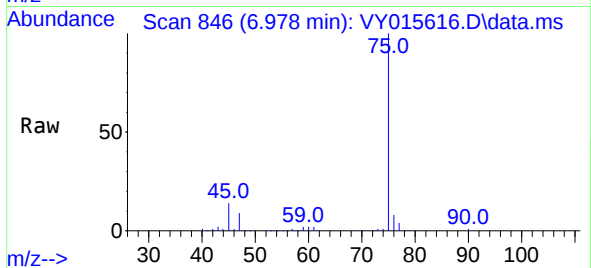




#26
2,2-Dichloropropane
Concen: 2.514 ug/l
RT: 6.978 min Scan# 845
Delta R.T. 0.006 min
Lab File: VY015616.D
Acq: 18 Sep 2023 15:48

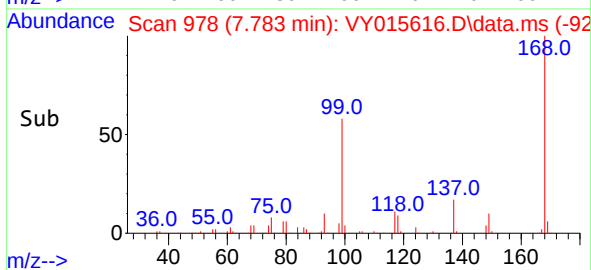
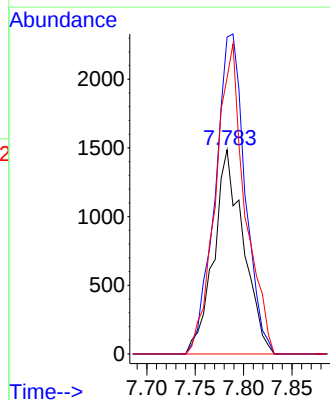
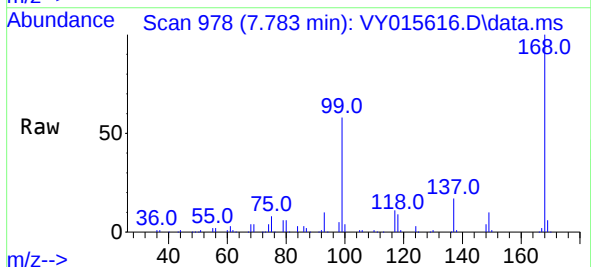
Instrument :
MSVOA_Y
ClientSampleId :

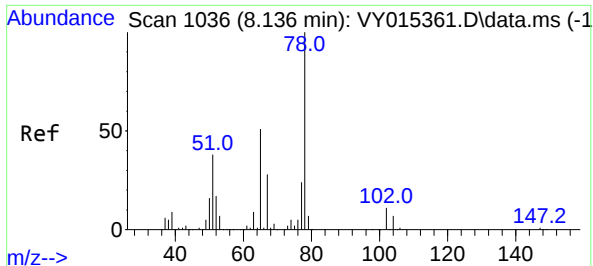
Tgt Ion: 77 Resp: 6345
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#



#31
Cyclohexane
Concen: 1.119 ug/l
RT: 7.783 min Scan# 978
Delta R.T. 0.000 min
Lab File: VY015616.D
Acq: 18 Sep 2023 15:48

Tgt Ion: 56 Resp: 3165
Ion Ratio Lower Upper
56 100
69 155.1 27.8 41.6#
84 135.2 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 59.629 ug/l

RT: 8.137 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY015616.D

Acq: 18 Sep 2023 15:48

Instrument :

MSVOA_Y

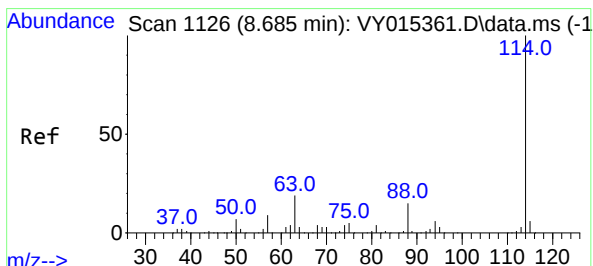
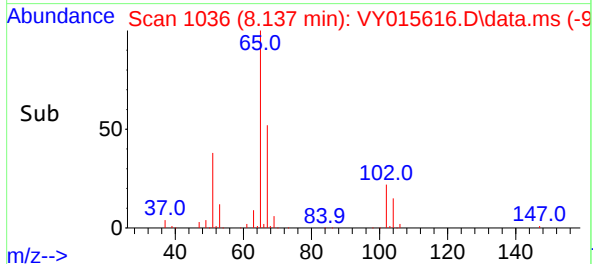
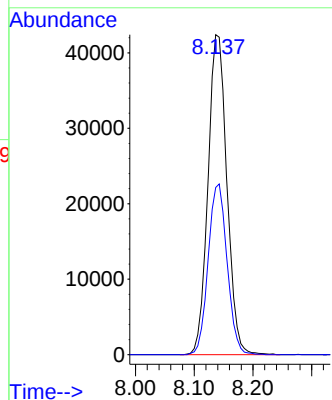
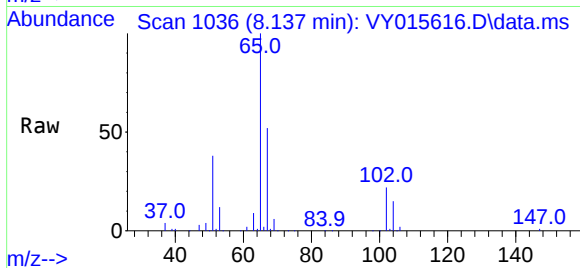
ClientSampleId :

Tgt Ion: 65 Resp: 94914

Ion Ratio Lower Upper

65 100

67 53.3 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY015616.D

Acq: 18 Sep 2023 15:48

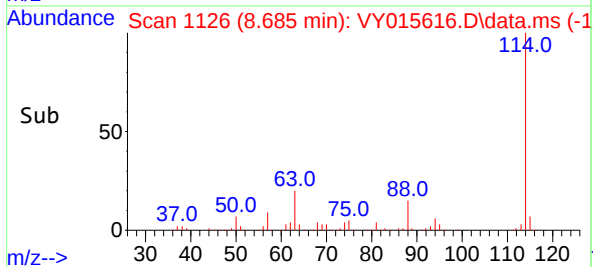
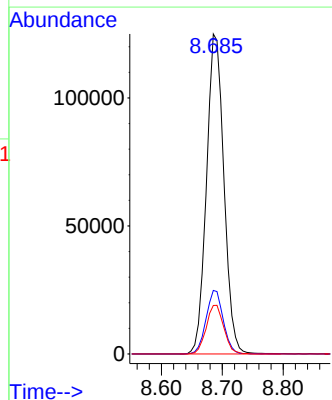
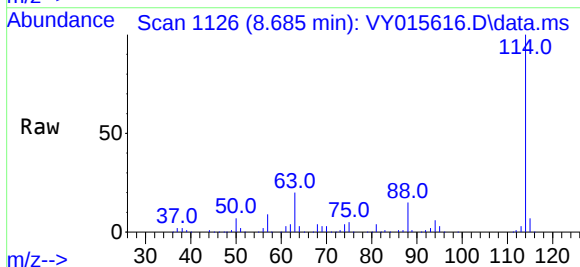
Tgt Ion: 114 Resp: 248558

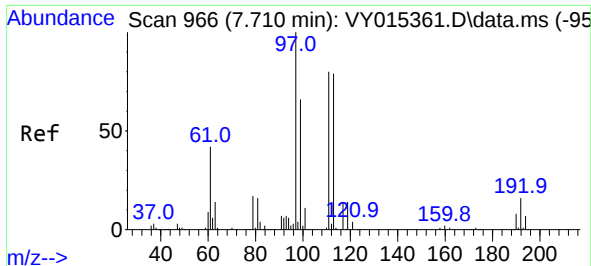
Ion Ratio Lower Upper

114 100

63 19.8 0.0 42.4

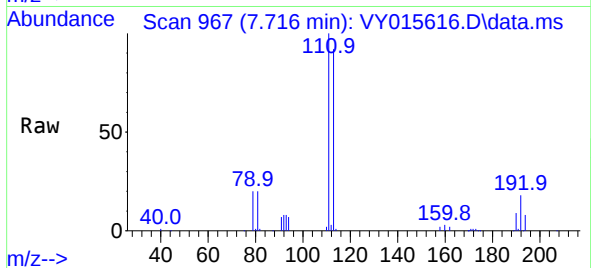
88 15.2 0.0 30.6



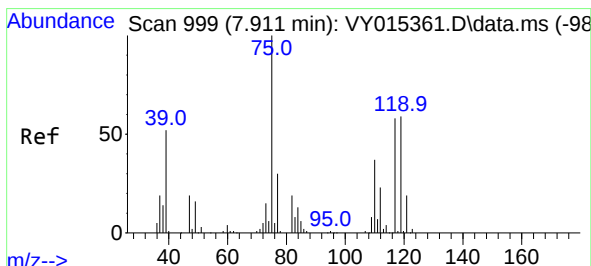
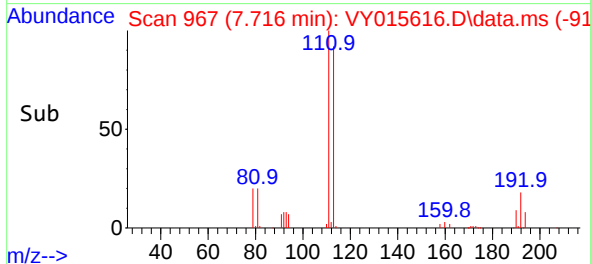
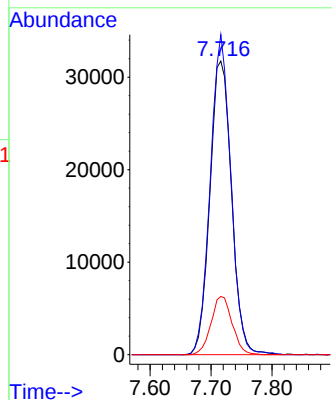


#35
Dibromofluoromethane
Concen: 54.808 ug/l
RT: 7.716 min Scan# 911
Delta R.T. 0.000 min
Lab File: VY015616.D
Acq: 18 Sep 2023 15:48

Instrument :
MSVOA_Y
ClientSampleId :

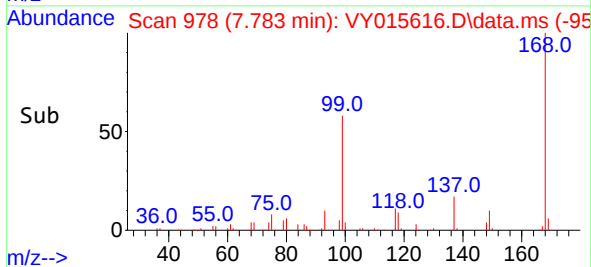
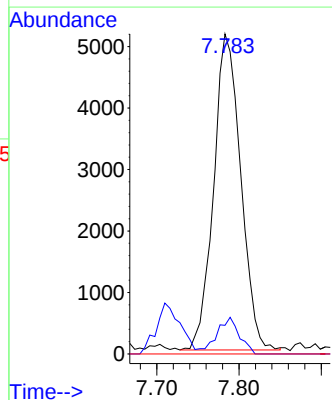
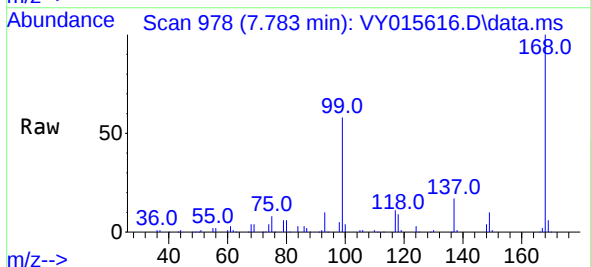


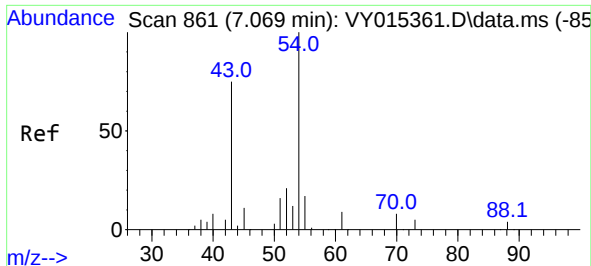
Tgt Ion:113 Resp: 78465
Ion Ratio Lower Upper
113 100
111 103.5 81.3 121.9
192 19.3 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.686 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY015616.D
Acq: 18 Sep 2023 15:48

Tgt Ion: 75 Resp: 11780
Ion Ratio Lower Upper
75 100
110 9.2 17.8 53.5#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 2.294 ug/l

RT: 6.972 min Scan# 84

Delta R.T. -0.091 min

Lab File: VY015616.D

Acq: 18 Sep 2023 15:48

Instrument :

MSVOA_Y

ClientSampleId :

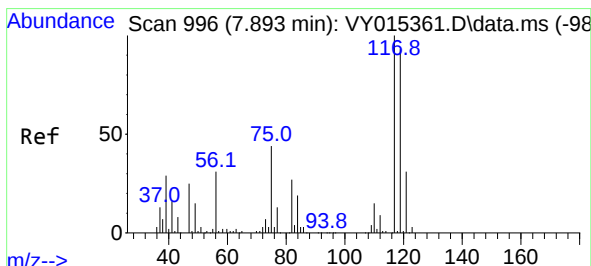
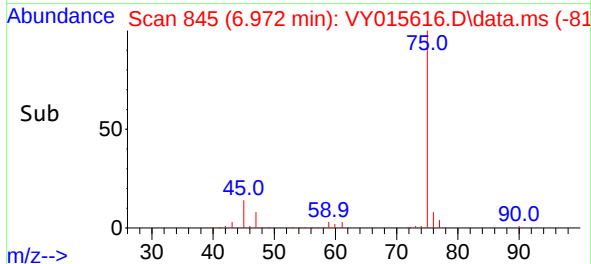
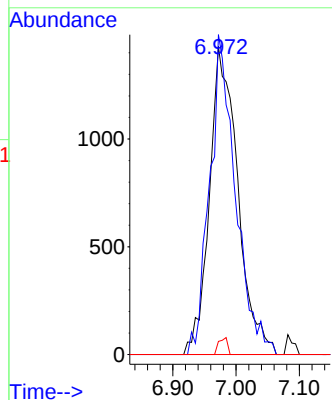
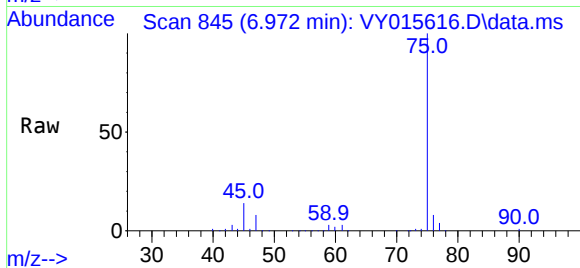
Tgt Ion: 43 Resp: 4448

Ion Ratio Lower Upper

43 100

61 95.0 10.1 15.1#

70 1.7 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 5.742 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.104 min

Lab File: VY015616.D

Acq: 18 Sep 2023 15:48

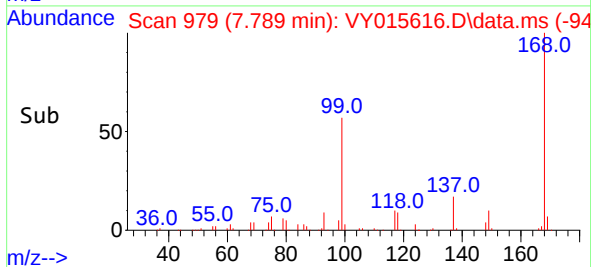
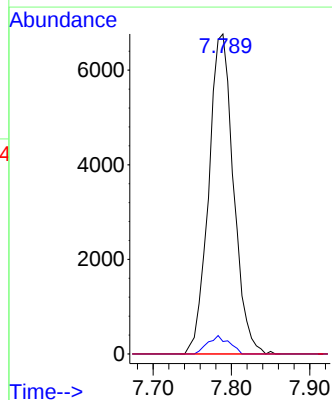
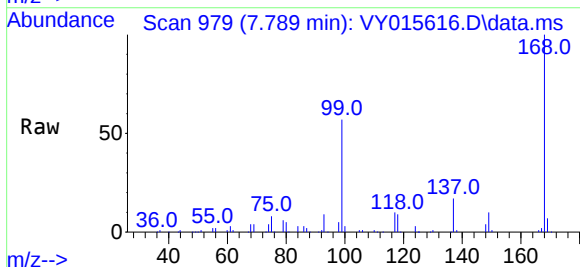
Tgt Ion: 117 Resp: 14907

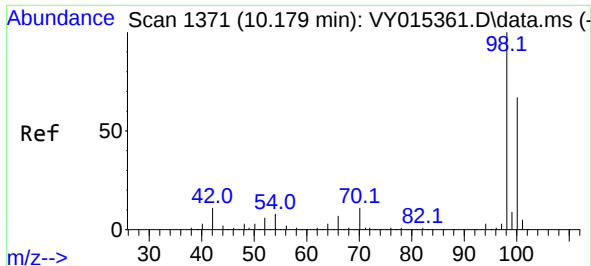
Ion Ratio Lower Upper

117 100

119 3.9 76.4 114.6#

121 0.0 25.8 38.6#

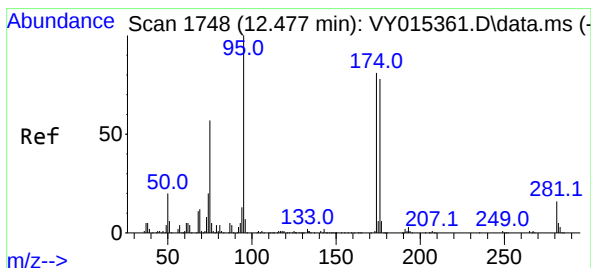
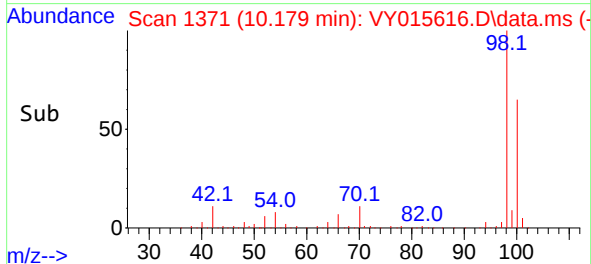
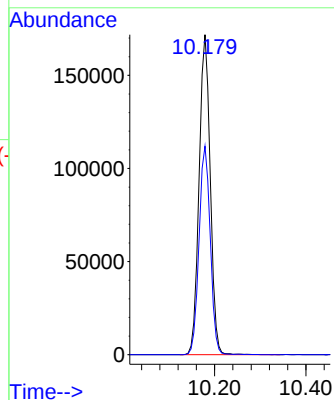
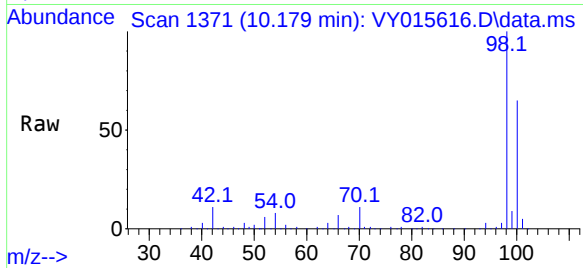




#50
Toluene-d8
Concen: 56.060 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY015616.D
Acq: 18 Sep 2023 15:48

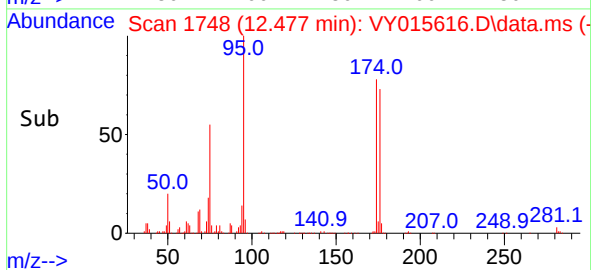
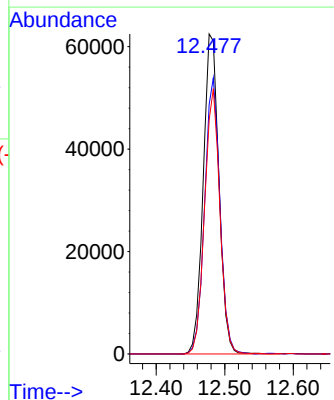
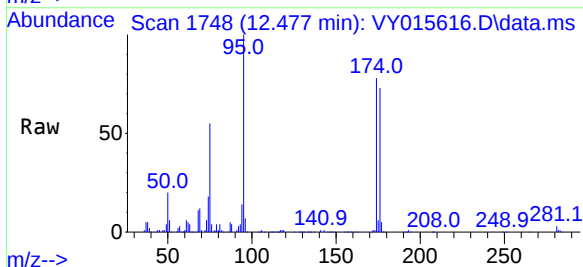
Instrument :
MSVOA_Y
ClientSampleId :

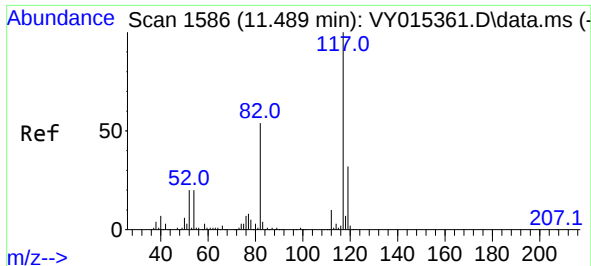
Tgt Ion: 98 Resp: 290643
Ion Ratio Lower Upper
98 100
100 65.5 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 51.823 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY015616.D
Acq: 18 Sep 2023 15:48

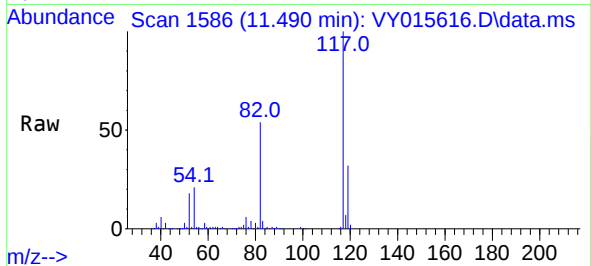
Tgt Ion: 95 Resp: 99742
Ion Ratio Lower Upper
95 100
174 84.1 0.0 178.2
176 80.8 0.0 173.8



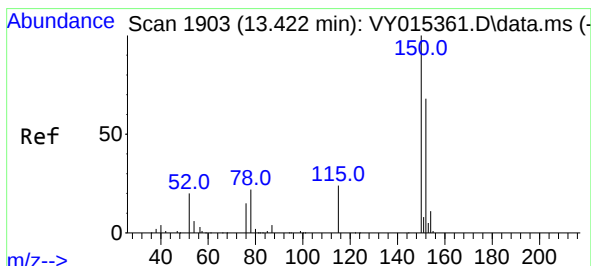
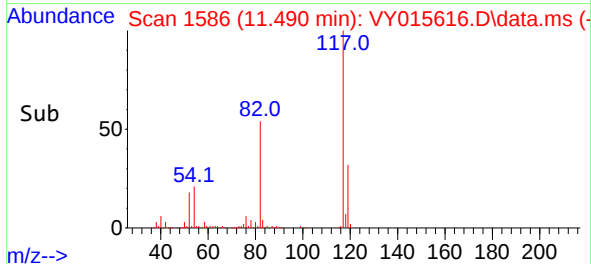
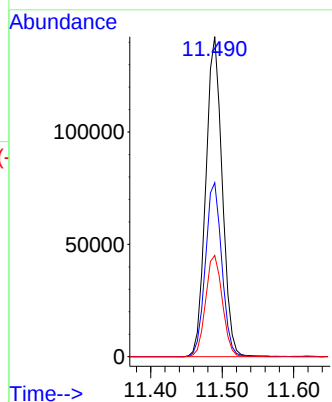


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY015616.D
Acq: 18 Sep 2023 15:48

Instrument :
MSVOA_Y
ClientSampleId :

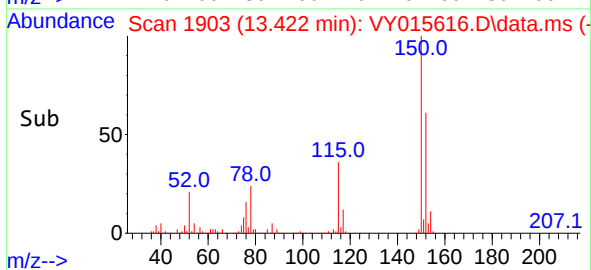
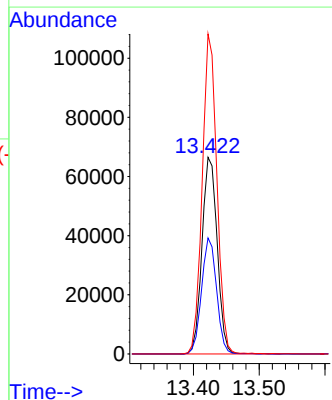
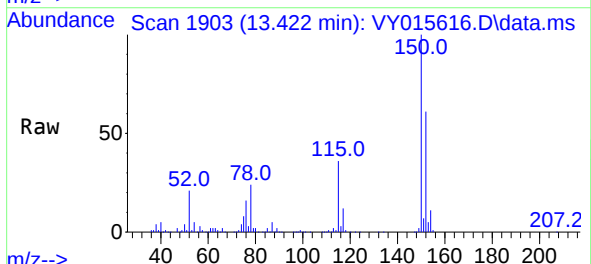


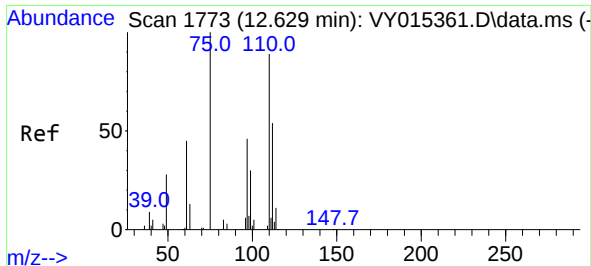
Tgt Ion:117 Resp: 227265
Ion Ratio Lower Upper
117 100
82 54.4 43.4 65.0
119 31.6 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY015616.D
Acq: 18 Sep 2023 15:48

Tgt Ion:152 Resp: 106994
Ion Ratio Lower Upper
152 100
115 58.2 28.8 86.5
150 156.6 0.0 348.8

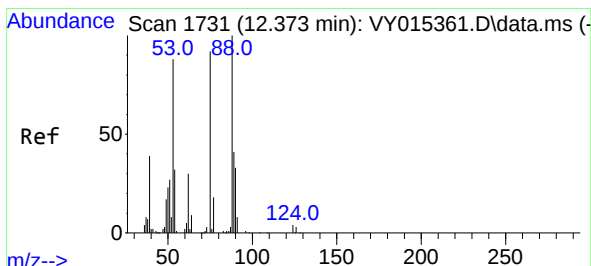
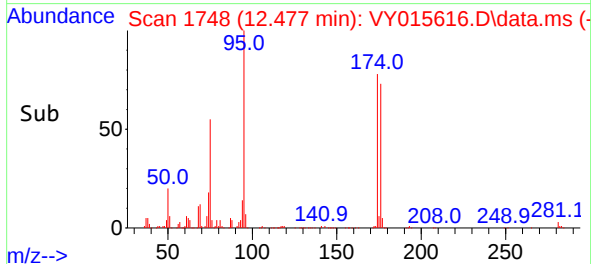
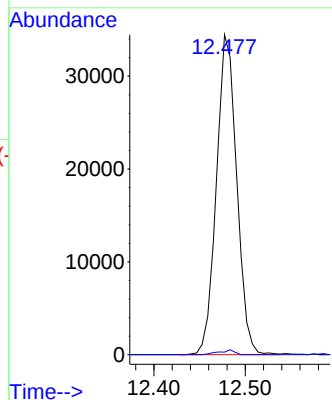
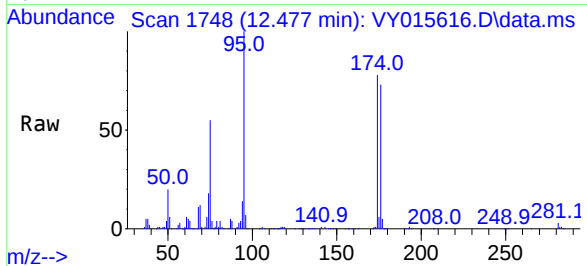




#76
1,2,3-Trichloropropane
Concen: 37.513 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY015616.D
Acq: 18 Sep 2023 15:48

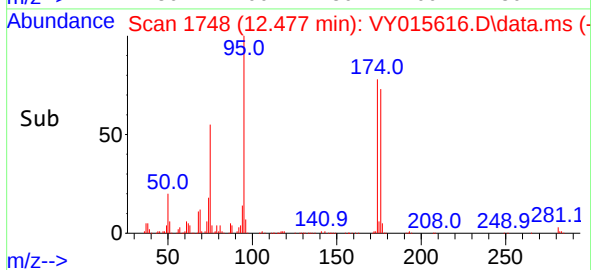
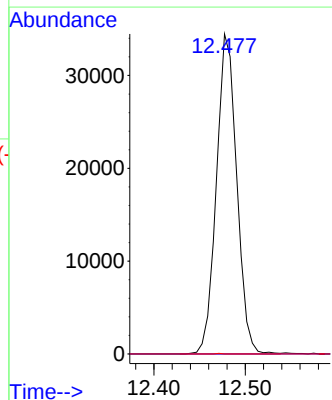
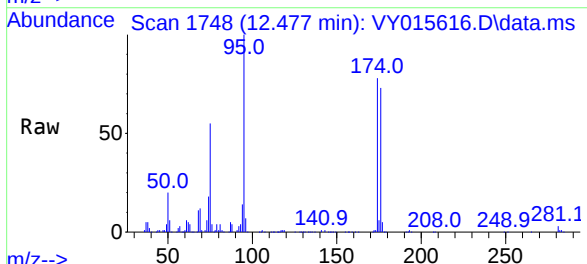
Instrument :
MSVOA_Y
ClientSampleId :

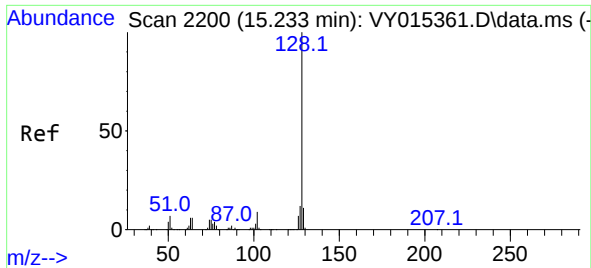
Tgt Ion: 75 Resp: 53225
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 82.749 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY015616.D
Acq: 18 Sep 2023 15:48

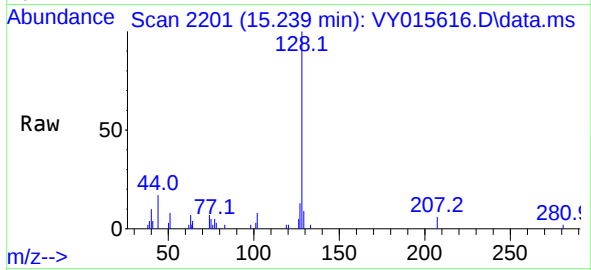
Tgt Ion: 75 Resp: 53225
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.1 37.4 56.0#





#95
Naphthalene
Concen: 1.011 ug/l
RT: 15.239 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY015616.D
Acq: 18 Sep 2023 15:48

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:128 Resp: 5392

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.8	16.2
129	11.3	8.6	13.0

