

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101723\
 Data File : VY016002.D
 Acq On : 17 Oct 2023 14:23
 Operator : SY/MD
 Sample : 04890-01RE
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 18 06:07:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 13 13:13:02 2023
 Response via : Initial Calibration

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

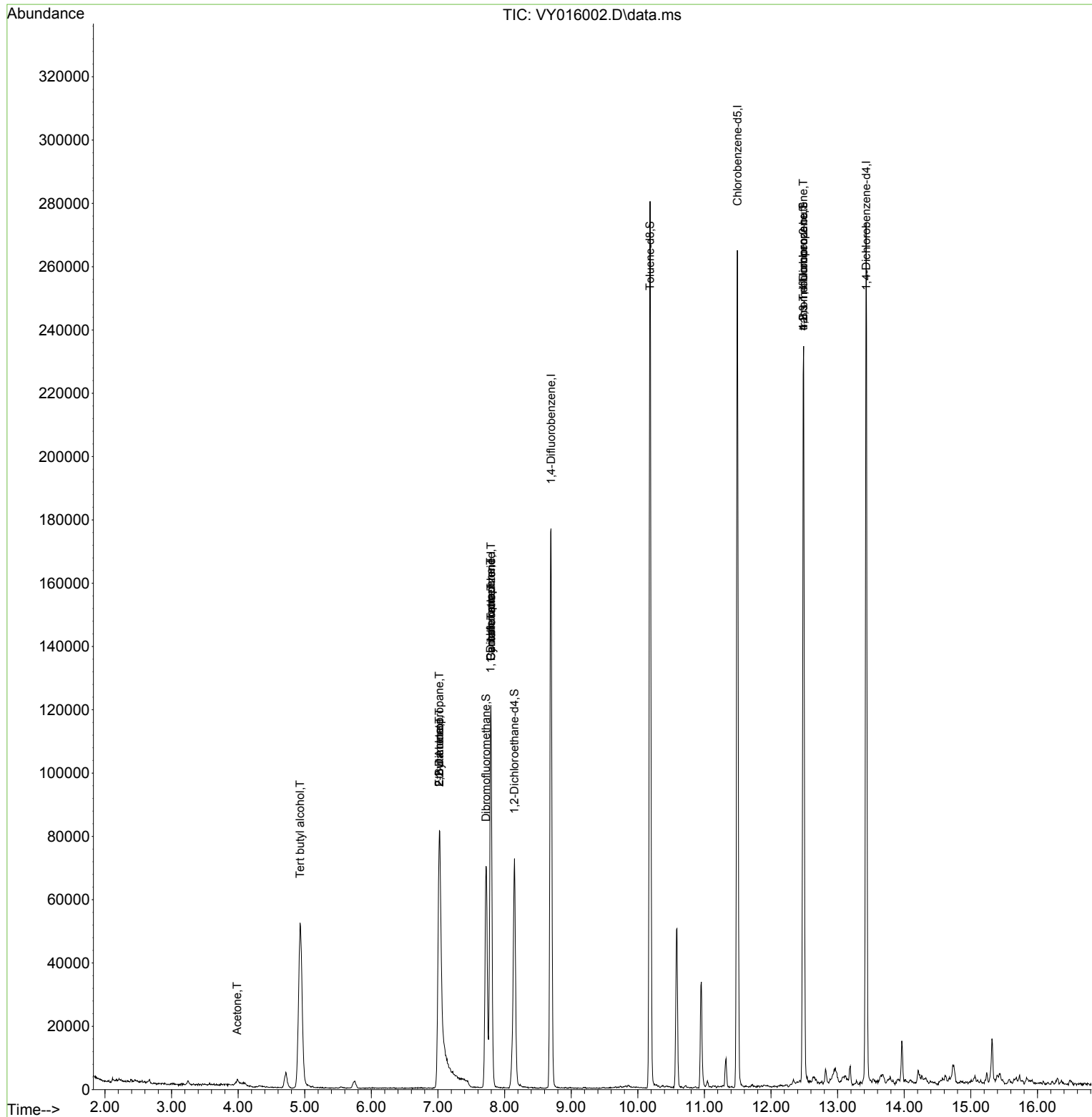
Internal Standards						
1) Pentafluorobenzene	7.795	168	96464	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	156179	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	146669	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	69616	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	53863	48.925	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 97.860%			
35) Dibromofluoromethane	7.722	113	52963	53.866	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.740%			
50) Toluene-d8	10.185	98	185443	50.363	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.720%			
62) 4-Bromofluorobenzene	12.483	95	62288	47.507	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 95.020%			
Target Compounds						
3) Chloromethane	2.113	50	804	Below Cal	#	79
11) Tert butyl alcohol	4.930	59	48723	76.281	ug/l #	91
16) Acetone	3.985	43	3830	5.989	ug/l #	81
20) Methylene Chloride	4.722	84	3314	Below Cal		88
25) 2-Butanone	7.021	43	4878	5.241	ug/l #	71
26) 2,2-Dichloropropane	7.021	77	8018	5.155	ug/l #	54
31) Cyclohexane	7.795	56	1826	1.042	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	7353	4.956	ug/l #	51
37) Ethyl Acetate	7.021	43	4878	2.131	ug/l #	1
38) Carbon Tetrachloride	7.795	117	9301	5.953	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	32576	23.911	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	32576	56.326	ug/l #	11

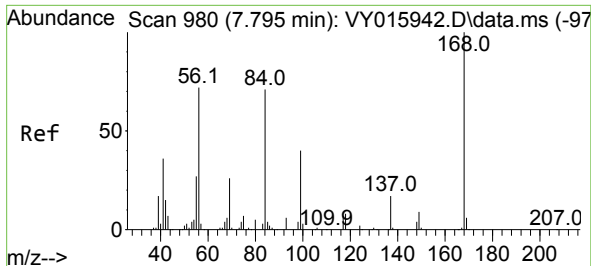
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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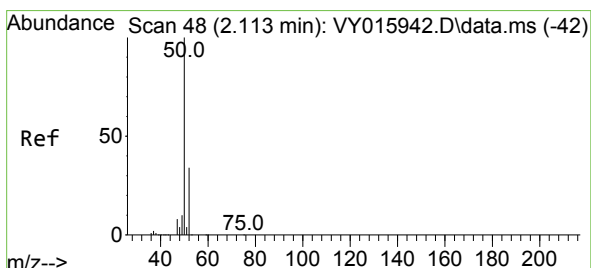
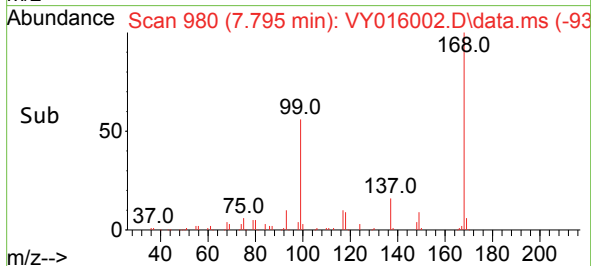
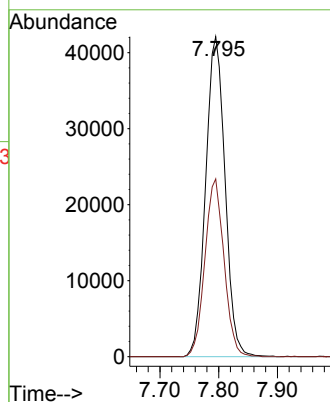
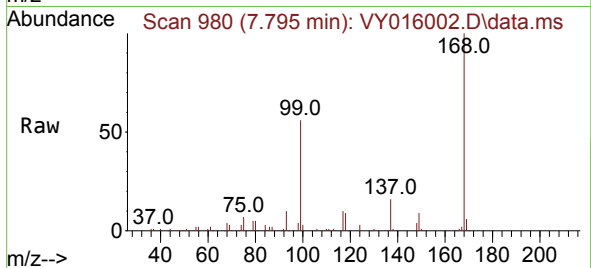




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY016002.D
Acq: 17 Oct 2023 14:23

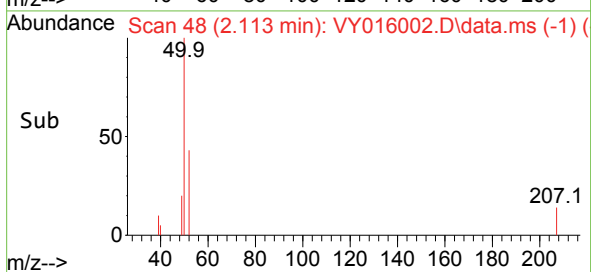
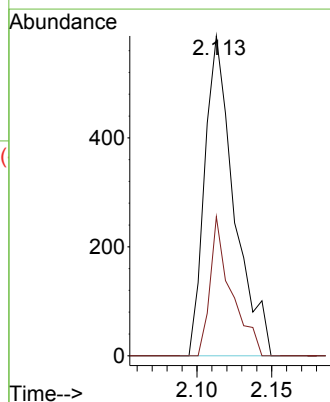
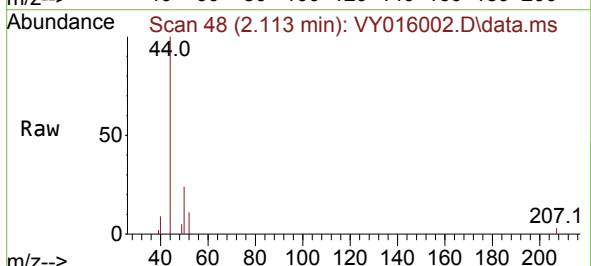
Instrument :
MSVOA_Y
ClientSampleId :

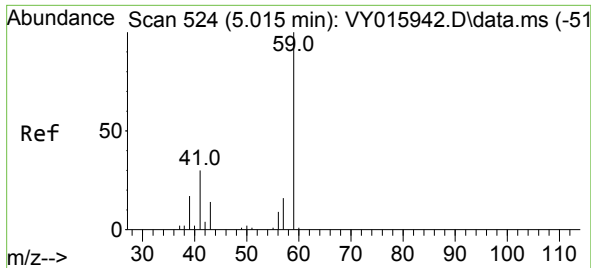
Tgt Ion:168 Resp: 96464
Ion Ratio Lower Upper
168 100
99 55.5 43.4 65.0



#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. -0.000 min
Lab File: VY016002.D
Acq: 17 Oct 2023 14:23

Tgt Ion: 50 Resp: 804
Ion Ratio Lower Upper
50 100
52 43.4 25.4 38.2#

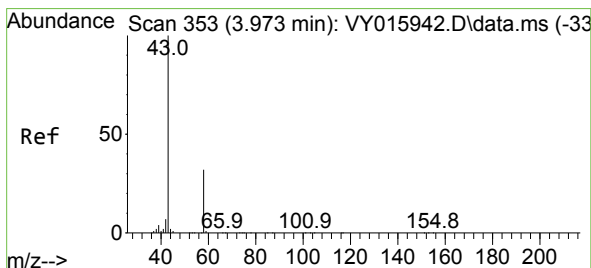
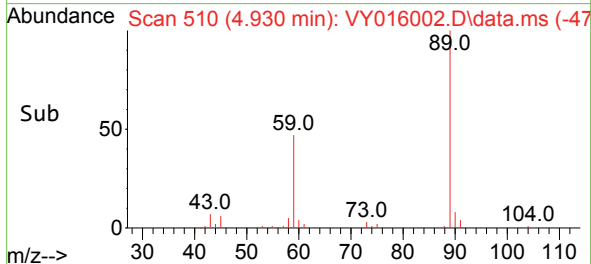
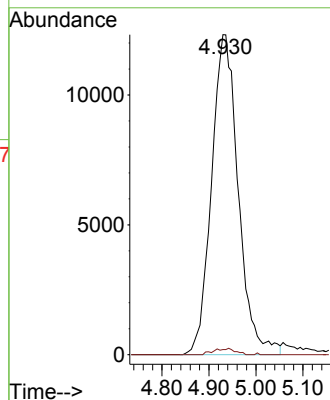
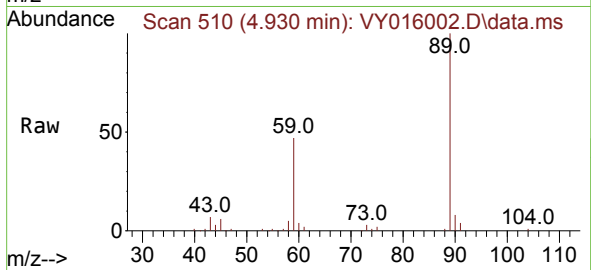




#11
Tert butyl alcohol
Concen: 76.281 ug/l
RT: 4.930 min Scan# 51
Delta R.T. -0.085 min
Lab File: VY016002.D
Acq: 17 Oct 2023 14:23

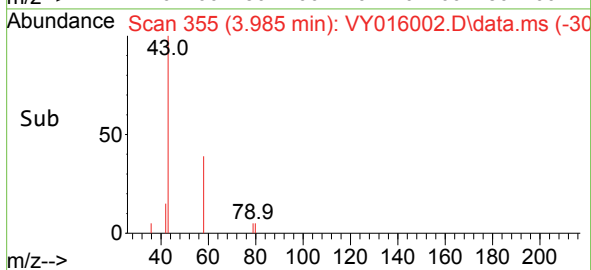
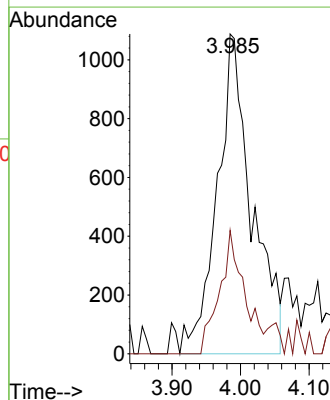
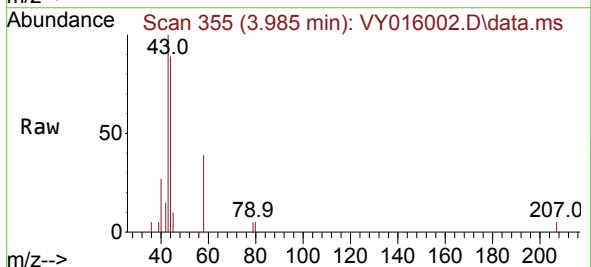
Instrument :
MSVOA_Y
ClientSampleId :

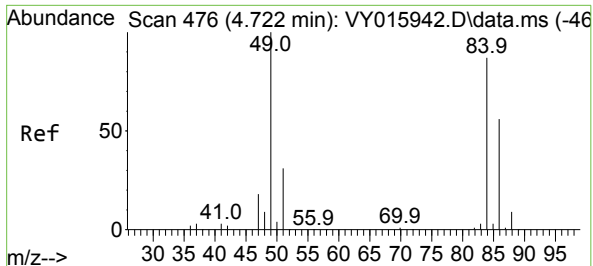
Tgt Ion: 59 Resp: 48723
Ion Ratio Lower Upper
59 100
57 0.6 3.0 4.4#



#16
Acetone
Concen: 5.989 ug/l
RT: 3.985 min Scan# 355
Delta R.T. 0.012 min
Lab File: VY016002.D
Acq: 17 Oct 2023 14:23

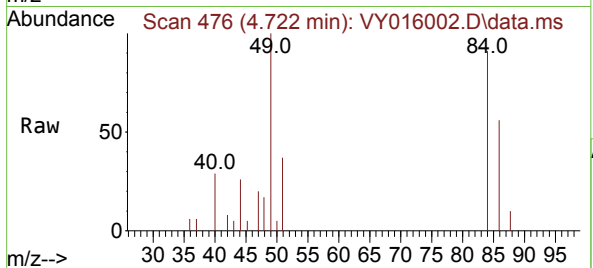
Tgt Ion: 43 Resp: 3830
Ion Ratio Lower Upper
43 100
58 38.6 22.7 34.1#





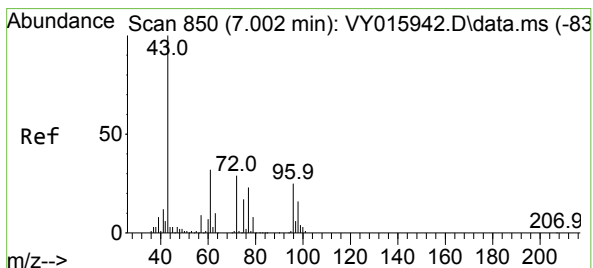
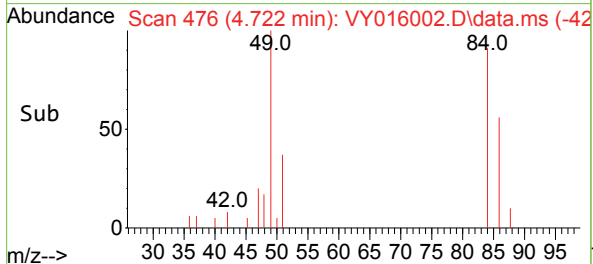
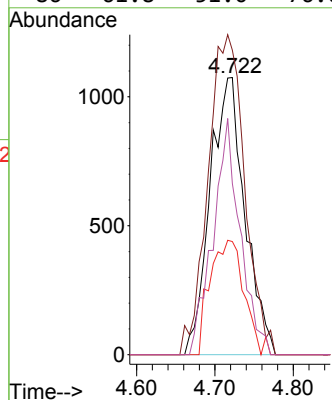
#20
Methylene Chloride
Concen: Below Cal
RT: 4.722 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY016002.D
Acq: 17 Oct 2023 14:23

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 84 Resp: 3314

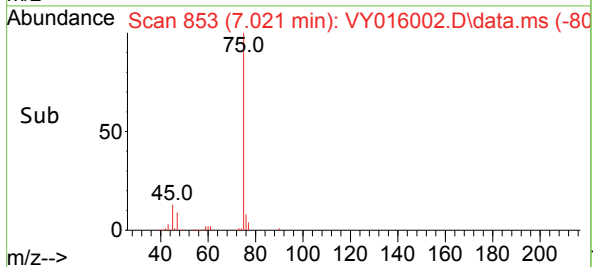
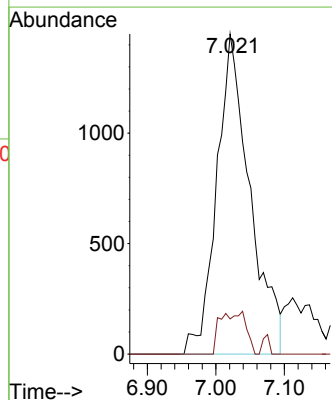
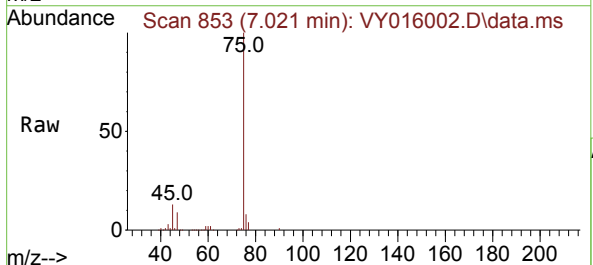
Ion	Ratio	Lower	Upper
84	100		
49	109.9	106.9	160.3
51	40.8	33.2	49.8
86	61.8	51.0	76.6

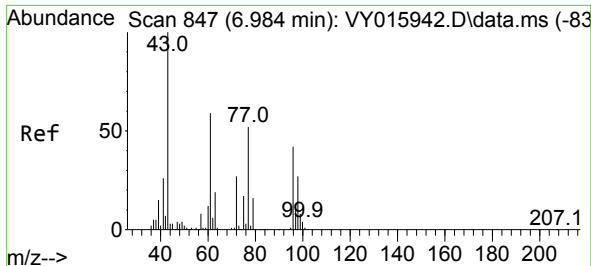


#25
2-Butanone
Concen: 5.241 ug/l
RT: 7.021 min Scan# 853
Delta R.T. 0.018 min
Lab File: VY016002.D
Acq: 17 Oct 2023 14:23

Tgt Ion: 43 Resp: 4878

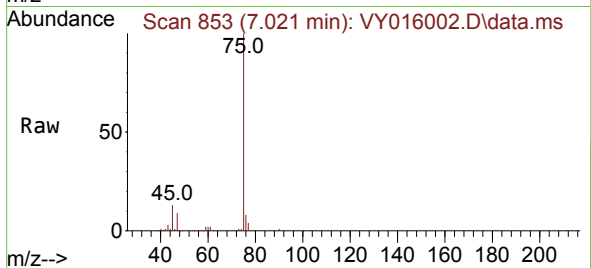
Ion	Ratio	Lower	Upper
43	100		
72	11.0	20.5	30.7#



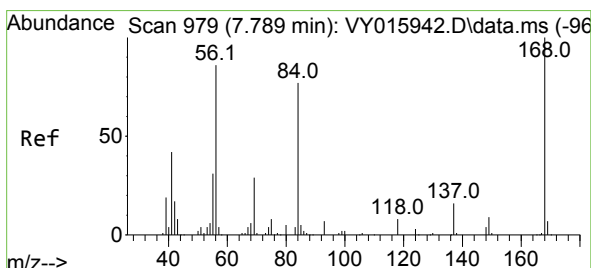
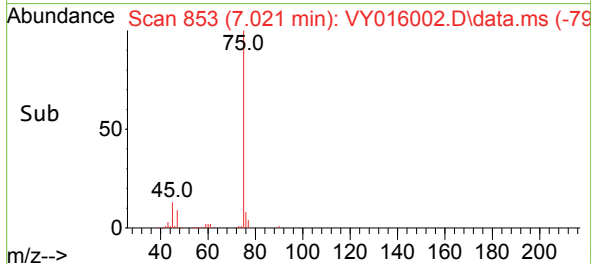
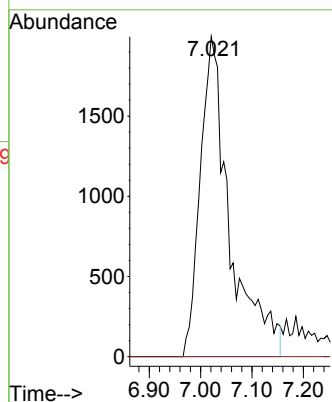


#26
2,2-Dichloropropane
Concen: 5.155 ug/l
RT: 7.021 min Scan# 80
Delta R.T. 0.036 min
Lab File: VY016002.D
Acq: 17 Oct 2023 14:23

Instrument :
MSVOA_Y
ClientSampleId :

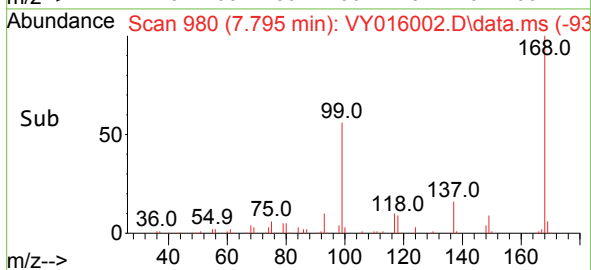
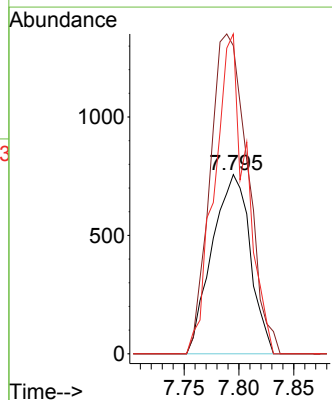
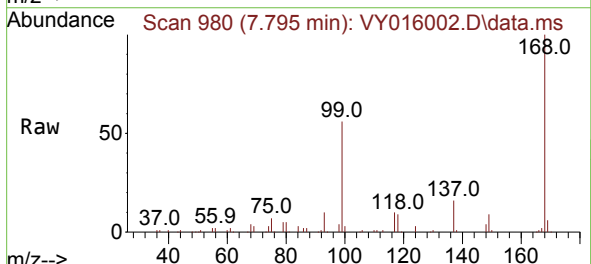


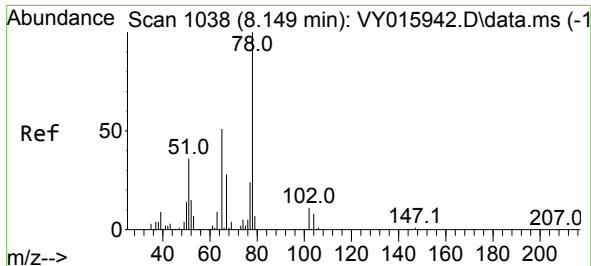
Tgt Ion: 77 Resp: 8018
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#



#31
Cyclohexane
Concen: 1.042 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.006 min
Lab File: VY016002.D
Acq: 17 Oct 2023 14:23

Tgt Ion: 56 Resp: 1826
Ion Ratio Lower Upper
56 100
69 172.0 27.8 41.6#
84 178.5 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 48.925 ug/l

RT: 8.148 min Scan# 1038

Delta R.T. -0.000 min

Lab File: VY016002.D

Acq: 17 Oct 2023 14:23

Instrument :

MSVOA_Y

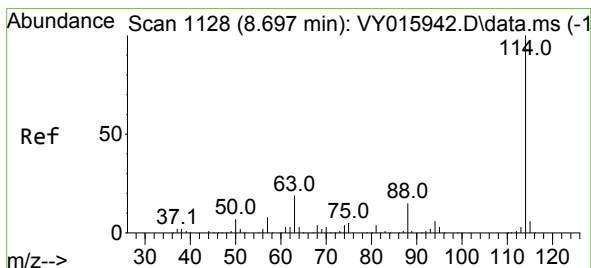
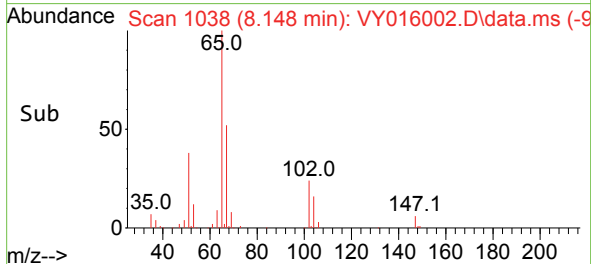
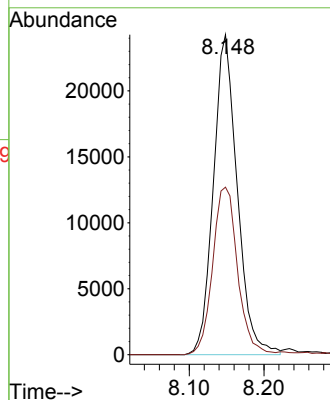
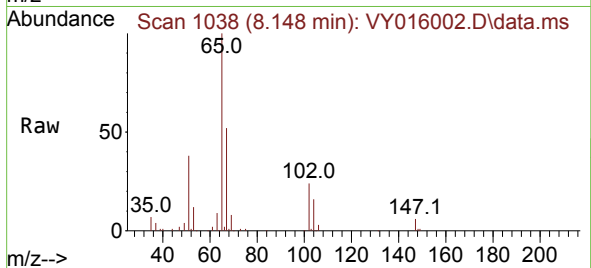
ClientSampleId :

Tgt Ion: 65 Resp: 53863

Ion Ratio Lower Upper

65 100

67 54.7 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. -0.000 min

Lab File: VY016002.D

Acq: 17 Oct 2023 14:23

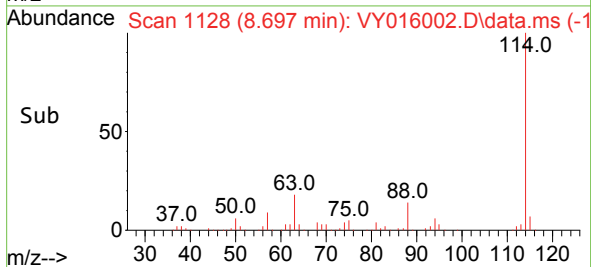
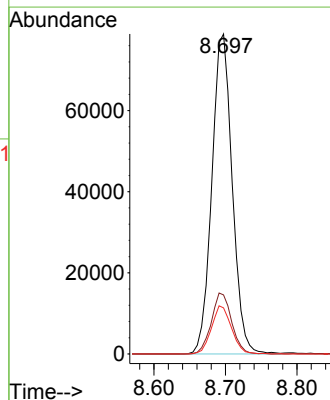
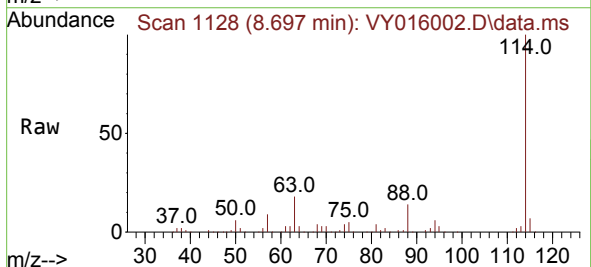
Tgt Ion: 114 Resp: 156179

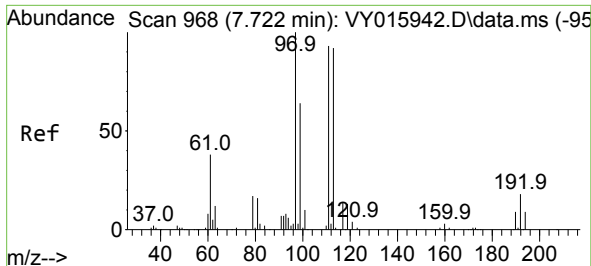
Ion Ratio Lower Upper

114 100

63 18.5 0.0 42.4

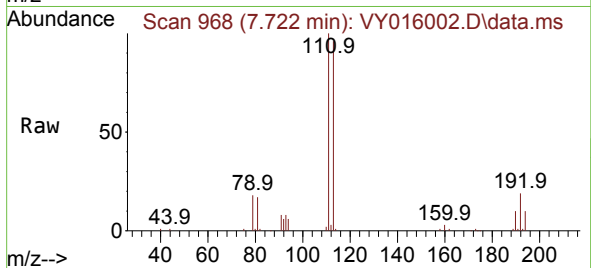
88 14.4 0.0 30.6



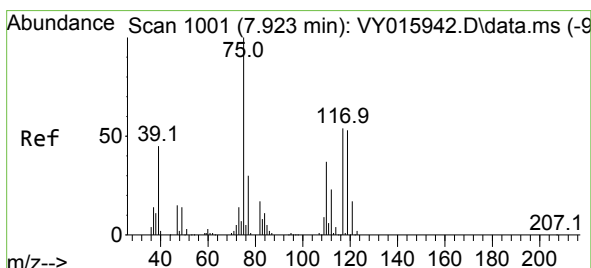
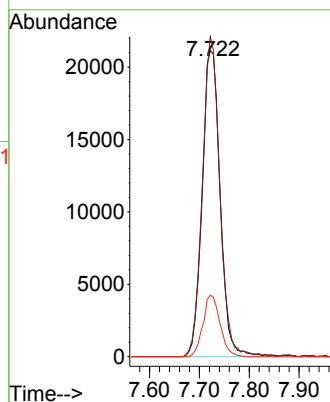
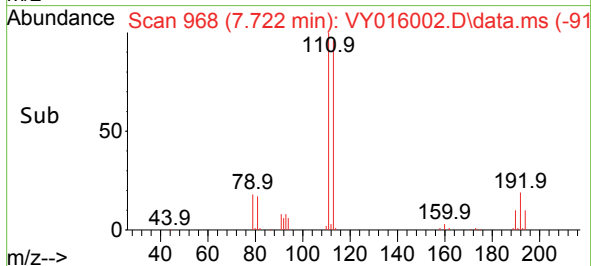


#35
Dibromofluoromethane
Concen: 53.866 ug/l
RT: 7.722 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY016002.D
Acq: 17 Oct 2023 14:23

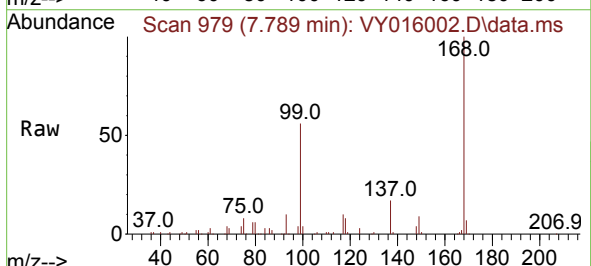
Instrument :
MSVOA_Y
ClientSampleId :



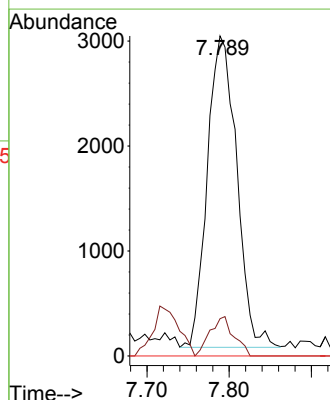
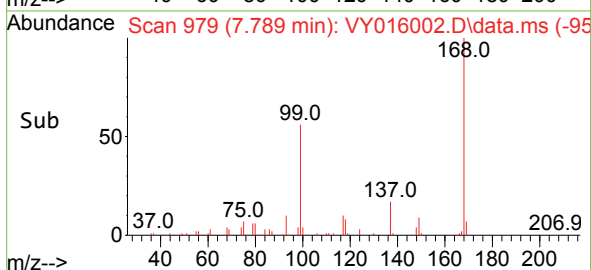
Tgt Ion:113 Resp: 52963
Ion Ratio Lower Upper
113 100
111 101.7 81.3 121.9
192 19.1 16.9 25.3

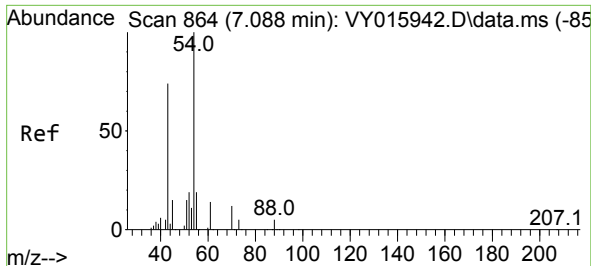


#36
1,1-Dichloropropene
Concen: 4.956 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.134 min
Lab File: VY016002.D
Acq: 17 Oct 2023 14:23



Tgt Ion: 75 Resp: 7353
Ion Ratio Lower Upper
75 100
110 10.3 17.8 53.5#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 2.131 ug/l

RT: 7.021 min Scan# 81

Delta R.T. -0.067 min

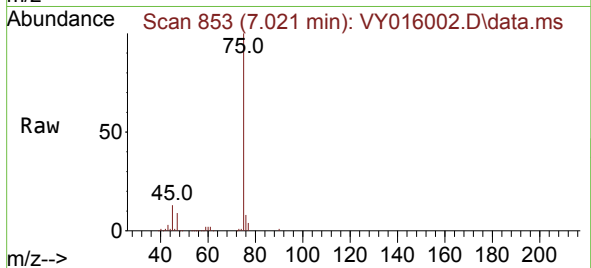
Lab File: VY016002.D

Acq: 17 Oct 2023 14:23

Instrument :

MSVOA_Y

ClientSampleId :



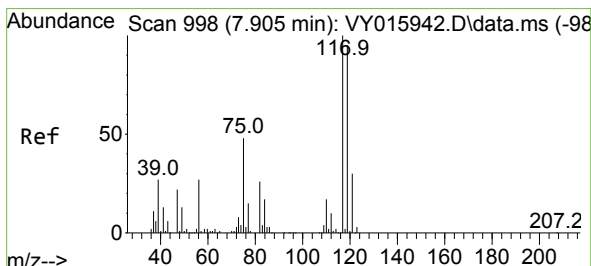
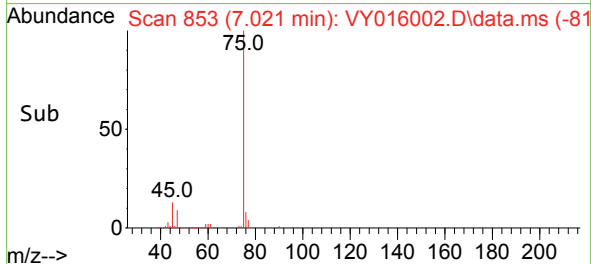
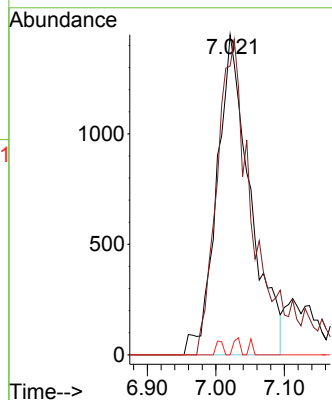
Tgt Ion: 43 Resp: 4878

Ion Ratio Lower Upper

43 100

61 102.4 10.1 15.1#

70 1.0 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 5.953 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.110 min

Lab File: VY016002.D

Acq: 17 Oct 2023 14:23

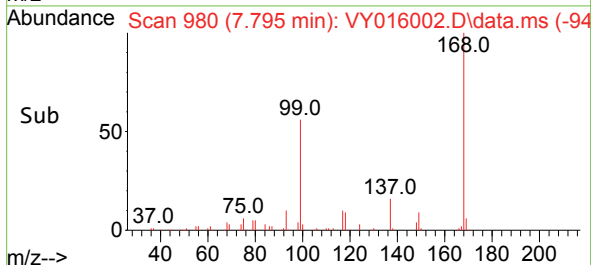
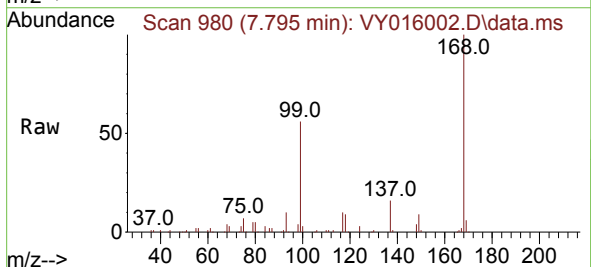
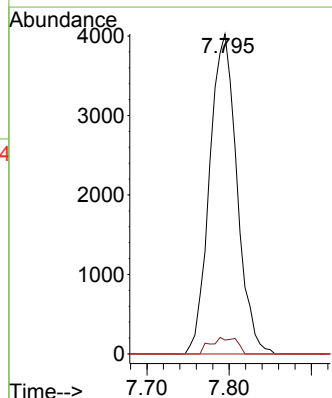
Tgt Ion: 117 Resp: 9301

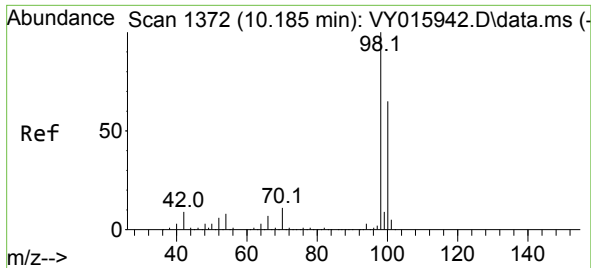
Ion Ratio Lower Upper

117 100

119 4.3 76.4 114.6#

121 0.0 25.8 38.6#

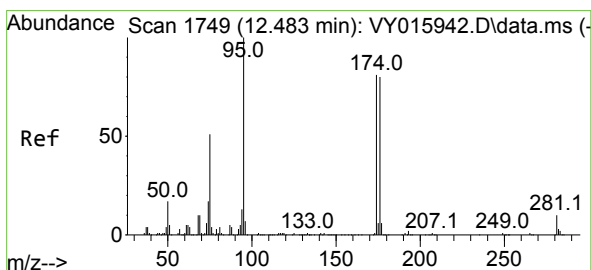
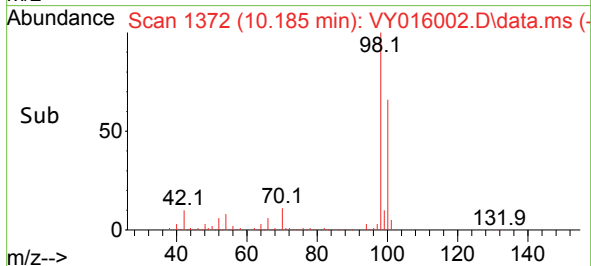
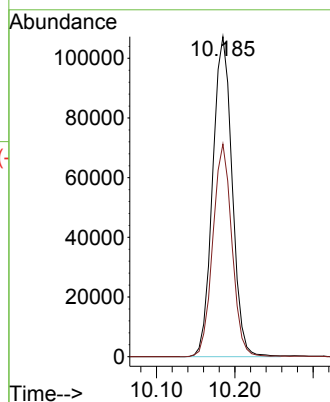
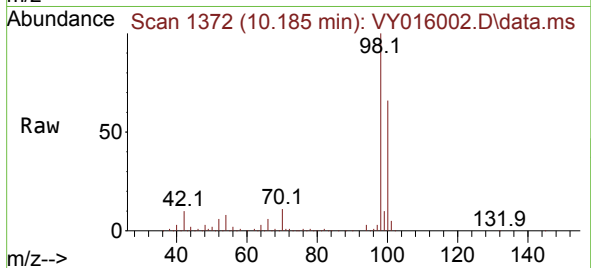




#50
Toluene-d8
Concen: 50.363 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY016002.D
Acq: 17 Oct 2023 14:23

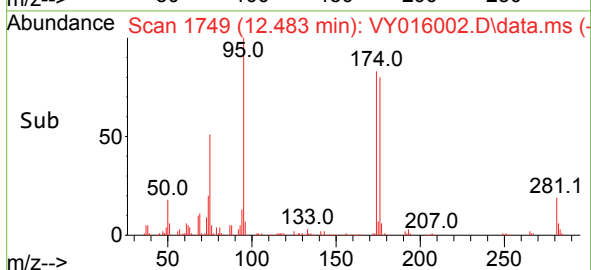
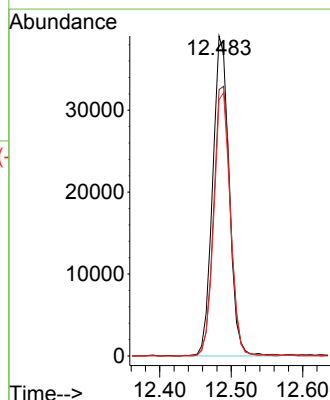
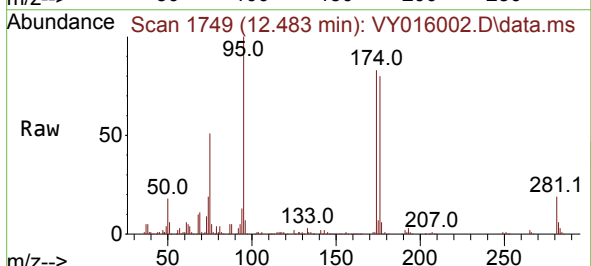
Instrument :
MSVOA_Y
ClientSampleId :

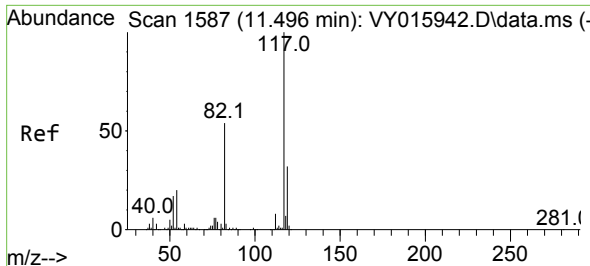
Tgt Ion: 98 Resp: 185443
Ion Ratio Lower Upper
98 100
100 65.0 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 47.507 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY016002.D
Acq: 17 Oct 2023 14:23

Tgt Ion: 95 Resp: 62288
Ion Ratio Lower Upper
95 100
174 86.2 0.0 178.2
176 82.6 0.0 173.8

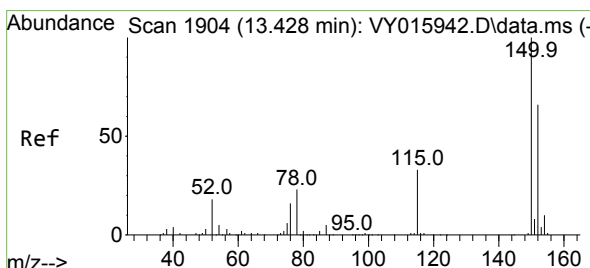
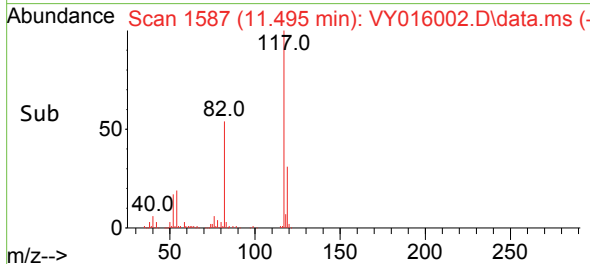
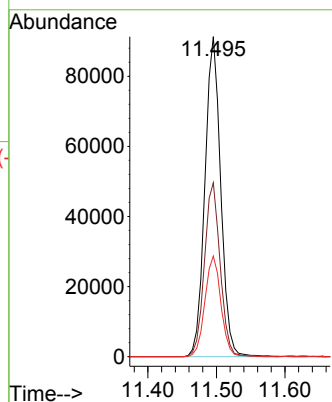
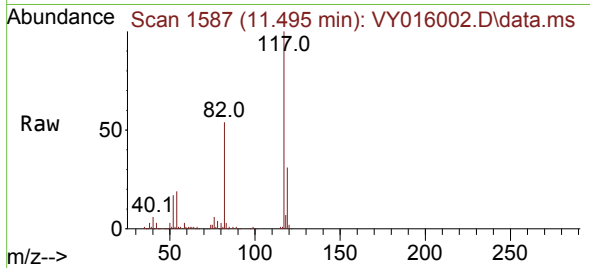




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.495 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY016002.D
Acq: 17 Oct 2023 14:23

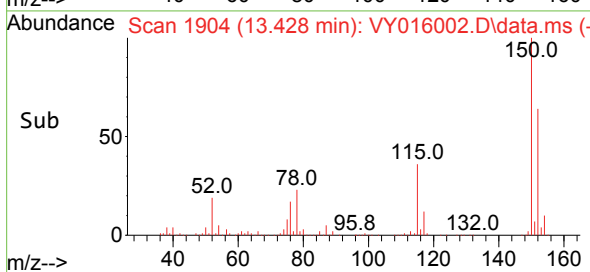
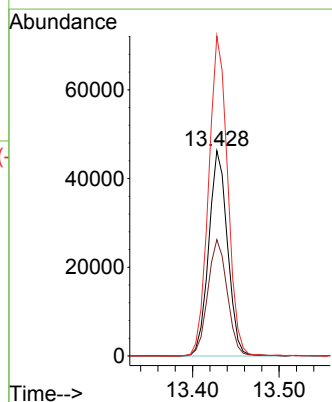
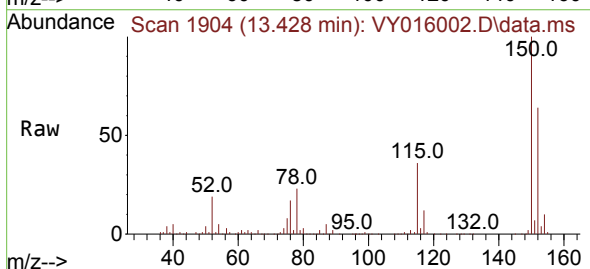
Instrument :
MSVOA_Y
ClientSampleId :

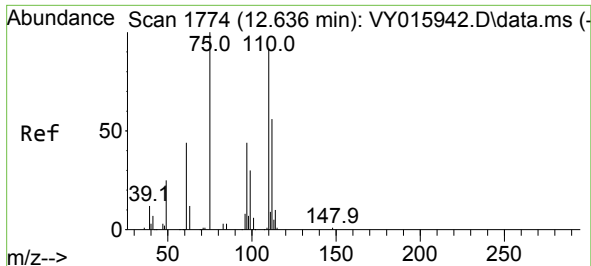
Tgt Ion:117 Resp: 146669
Ion Ratio Lower Upper
117 100
82 54.3 43.4 65.0
119 31.5 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY016002.D
Acq: 17 Oct 2023 14:23

Tgt Ion:152 Resp: 69616
Ion Ratio Lower Upper
152 100
115 59.0 28.8 86.5
150 157.9 0.0 348.8

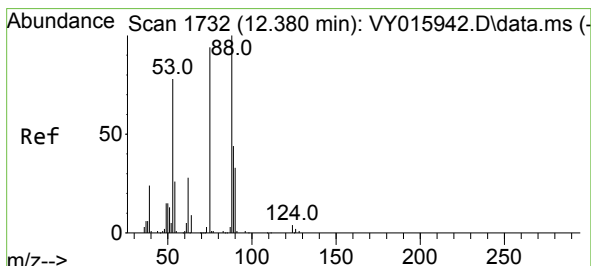
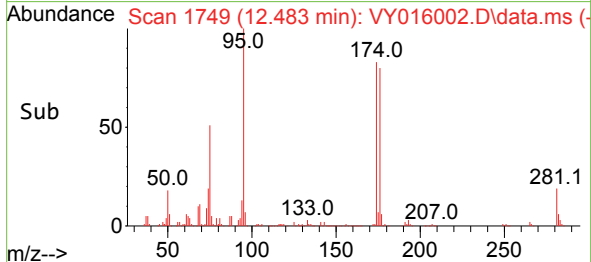
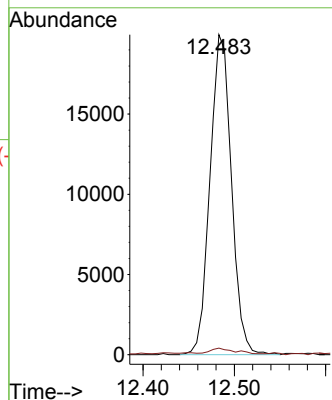
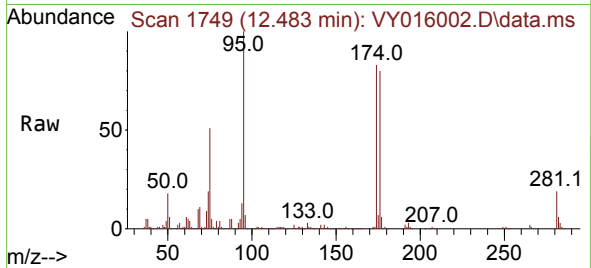




#76
1,2,3-Trichloropropane
Concen: 23.911 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY016002.D
Acq: 17 Oct 2023 14:23

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 32576
Ion Ratio Lower Upper
75 100
77 2.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 56.326 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY016002.D
Acq: 17 Oct 2023 14:23

Tgt Ion: 75 Resp: 32576
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.6 37.4 56.0#

