

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121923\
 Data File : VY016709.D
 Acq On : 19 Dec 2023 21:37
 Operator : SY/MD
 Sample : 05796-07
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 20 06:40:28 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121923S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 20 05:26:40 2023
 Response via : Initial Calibration

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

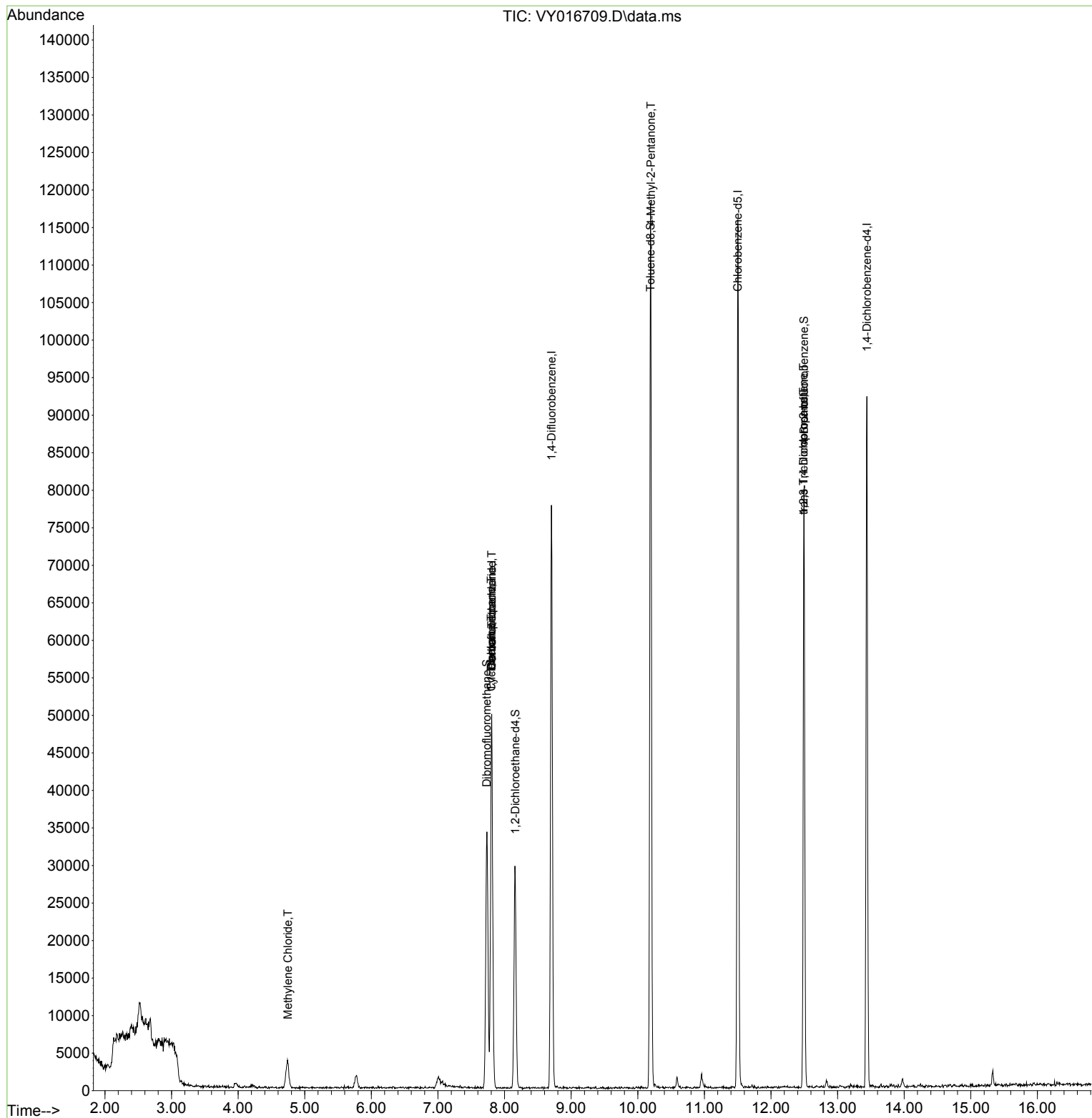
Internal Standards						
1) Pentafluorobenzene	7.807	168	39625	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.704	114	67317	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	61749	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.440	152	23919	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.161	65	22404	68.356	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 136.720%	
35) Dibromofluoromethane	7.734	113	23798	60.024	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 120.040%	
50) Toluene-d8	10.191	98	79298	55.227	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 110.460%	
62) 4-Bromofluorobenzene	12.496	95	20512	50.242	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 100.480%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.912	85	44	Below Cal	#	43
3) Chloromethane	2.119	50	213	Below Cal	#	41
11) Tert butyl alcohol	4.954	59	24	Below Cal	#	73
16) Acetone	3.967	43	1197	Below Cal	#	73
20) Methylene Chloride	4.747	84	2777	2.925	ug/l	93
25) 2-Butanone	7.009	43	127	Below Cal	#	42
31) Cyclohexane	7.801	56	816	1.521	ug/l #	1
36) 1,1-Dichloropropene	7.801	75	3078	5.132	ug/l #	46
38) Carbon Tetrachloride	7.807	117	3631	5.611	ug/l #	17
51) 4-Methyl-2-Pentanone	10.197	43	273	1.206	ug/l #	1
76) 1,2,3-Trichloropropane	12.489	75	11723	56.383	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	11723	129.364	ug/l #	18

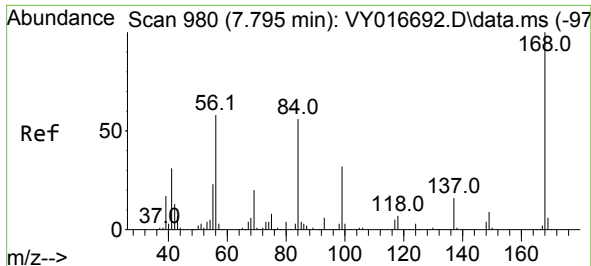
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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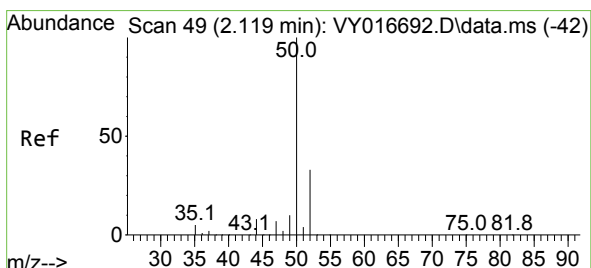
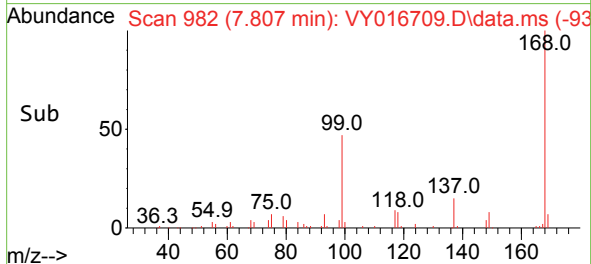
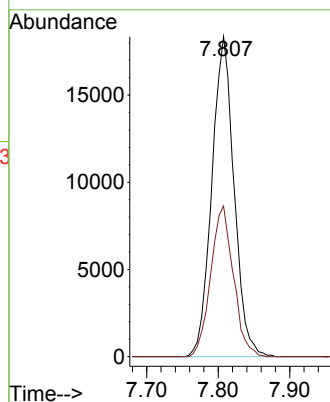
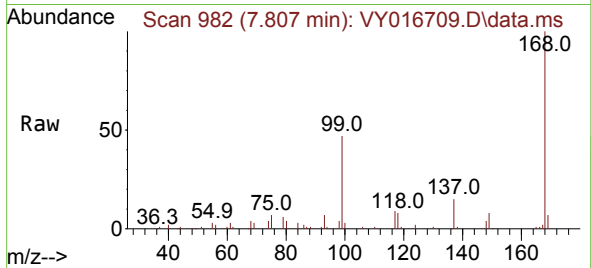




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.807 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY016709.D
Acq: 19 Dec 2023 21:37

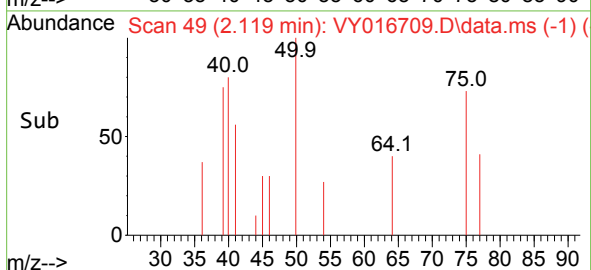
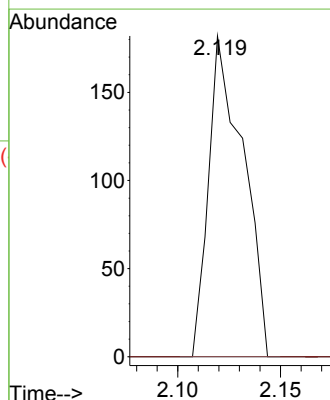
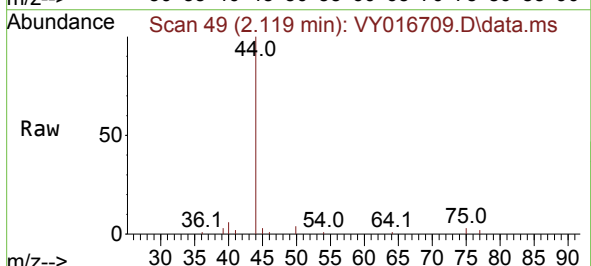
Instrument :
MSVOA_Y
ClientSampleId :

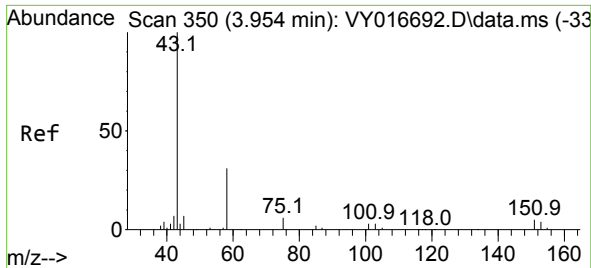
Tgt Ion:168 Resp: 39625
Ion Ratio Lower Upper
168 100
99 47.1 40.2 60.4



#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.000 min
Lab File: VY016709.D
Acq: 19 Dec 2023 21:37

Tgt Ion: 50 Resp: 213
Ion Ratio Lower Upper
50 100
52 0.0 26.6 40.0#





#16

Acetone

Concen: Below Cal

RT: 3.967 min Scan# 3

Delta R.T. 0.013 min

Lab File: VY016709.D

Acq: 19 Dec 2023 21:37

Instrument :

MSVOA_Y

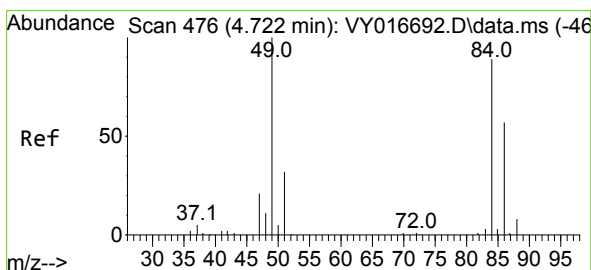
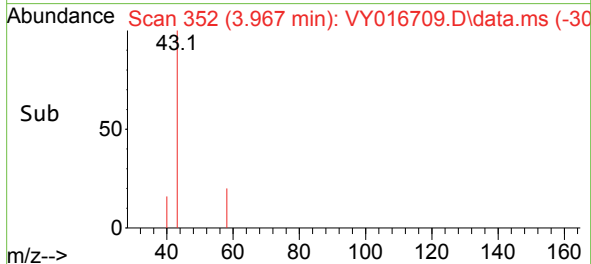
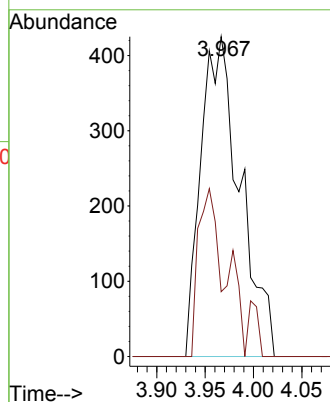
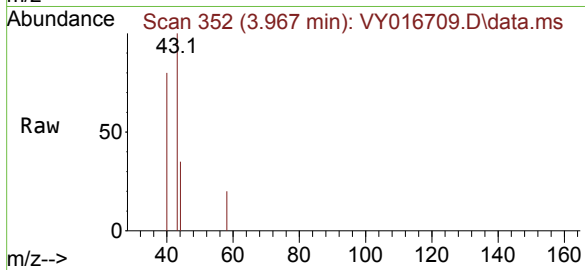
ClientSampleId :

Tgt Ion: 43 Resp: 1197

Ion Ratio Lower Upper

43 100

58 20.2 29.0 43.4#



#20

Methylene Chloride

Concen: 2.925 ug/l

RT: 4.747 min Scan# 480

Delta R.T. 0.025 min

Lab File: VY016709.D

Acq: 19 Dec 2023 21:37

Tgt Ion: 84 Resp: 2777

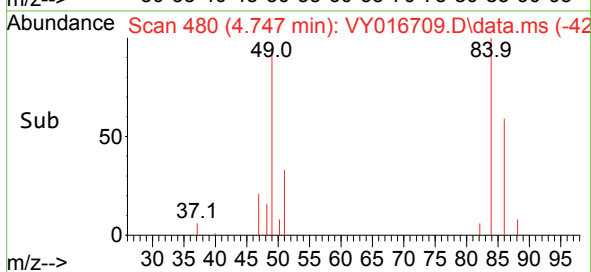
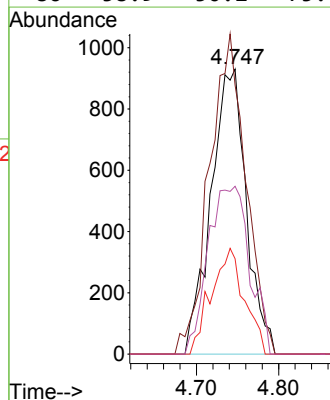
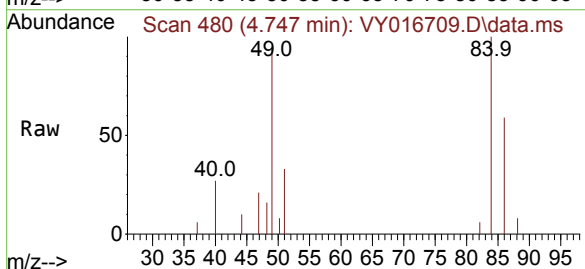
Ion Ratio Lower Upper

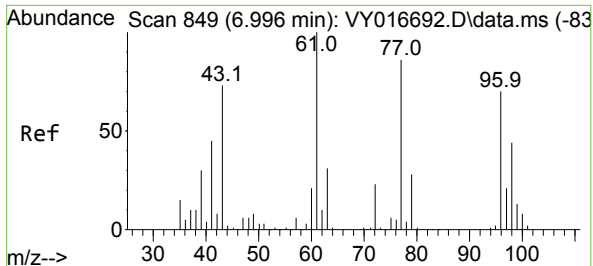
84 100

49 94.4 83.8 125.8

51 33.4 27.2 40.8

86 58.9 50.2 75.4





#25

2-Butanone

Concen: Below Cal

RT: 7.009 min Scan# 81

Delta R.T. 0.013 min

Lab File: VY016709.D

Acq: 19 Dec 2023 21:37

Instrument :

MSVOA_Y

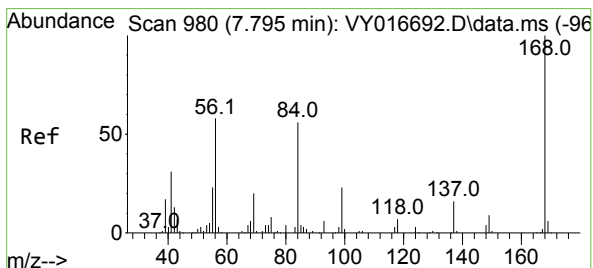
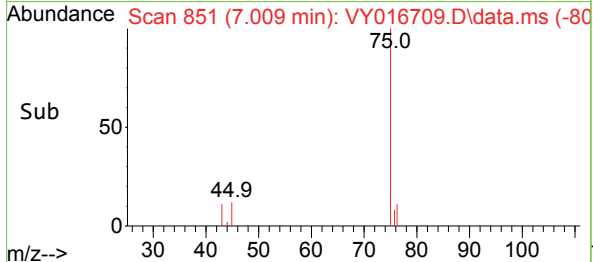
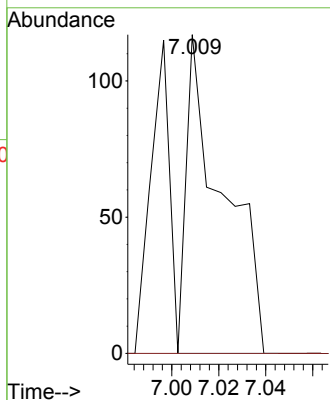
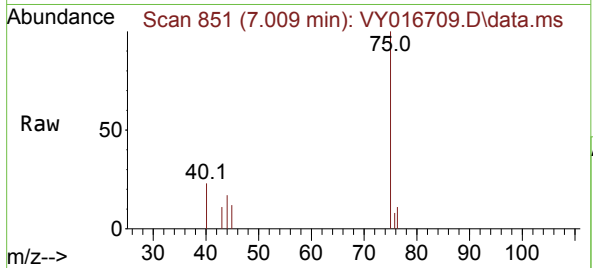
ClientSampleId :

Tgt Ion: 43 Resp: 127

Ion Ratio Lower Upper

43 100

72 0.0 26.3 39.5#



#31

Cyclohexane

Concen: 1.521 ug/l

RT: 7.801 min Scan# 981

Delta R.T. 0.006 min

Lab File: VY016709.D

Acq: 19 Dec 2023 21:37

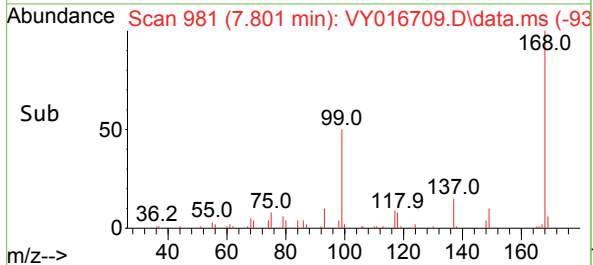
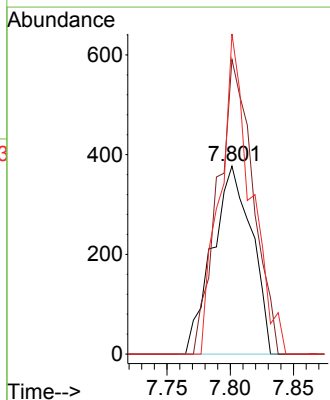
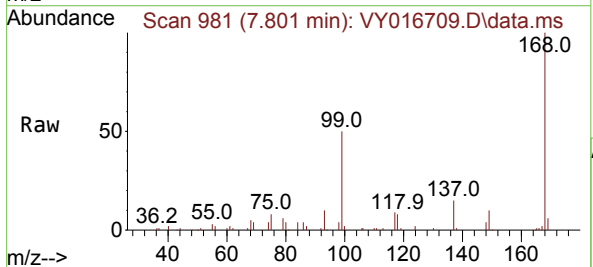
Tgt Ion: 56 Resp: 816

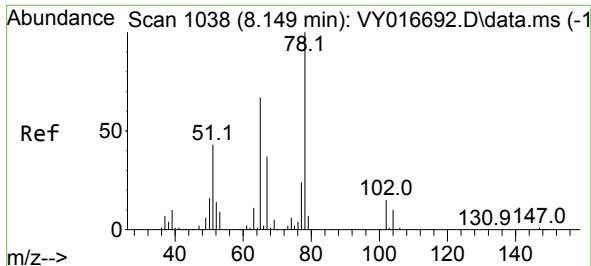
Ion Ratio Lower Upper

56 100

69 156.8 27.5 41.3#

84 170.3 78.1 117.1#

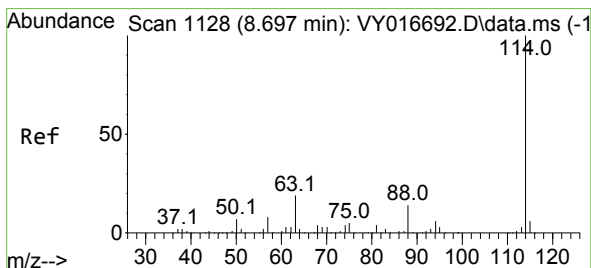
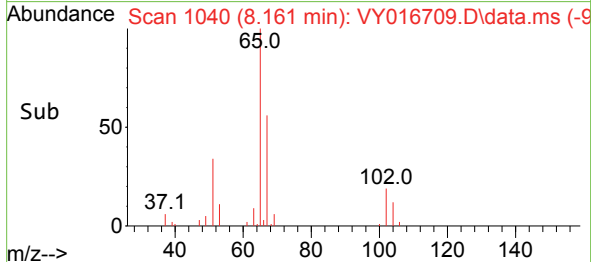
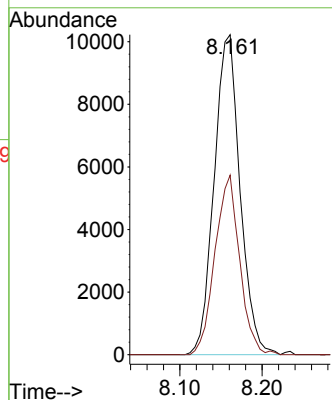
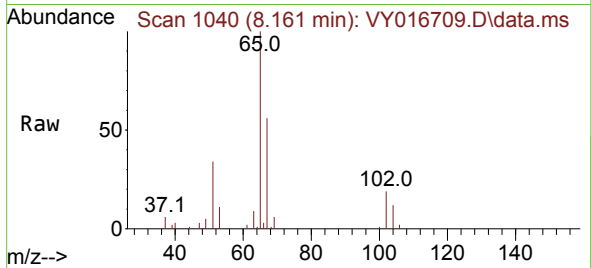




#33
 1,2-Dichloroethane-d4
 Concen: 68.356 ug/l
 RT: 8.161 min Scan# 1040
 Delta R.T. 0.012 min
 Lab File: VY016709.D
 Acq: 19 Dec 2023 21:37

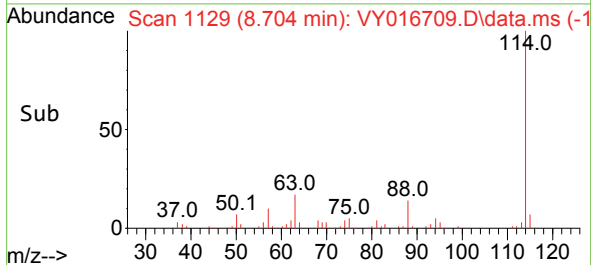
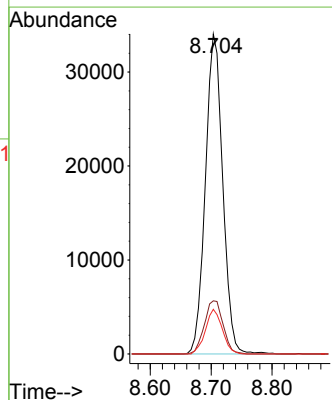
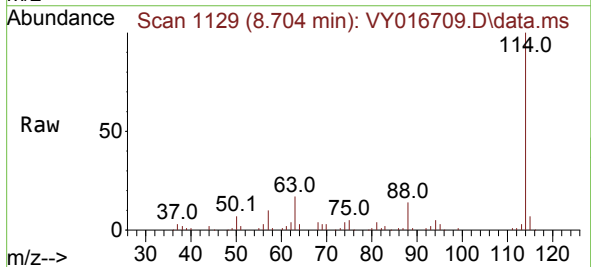
Instrument :
 MSVOA_Y
 ClientSampleId :

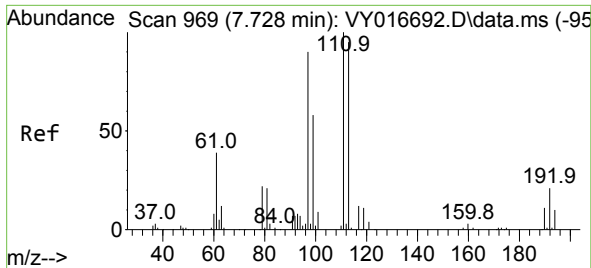
Tgt Ion: 65 Resp: 22404
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.704 min Scan# 1129
 Delta R.T. 0.006 min
 Lab File: VY016709.D
 Acq: 19 Dec 2023 21:37

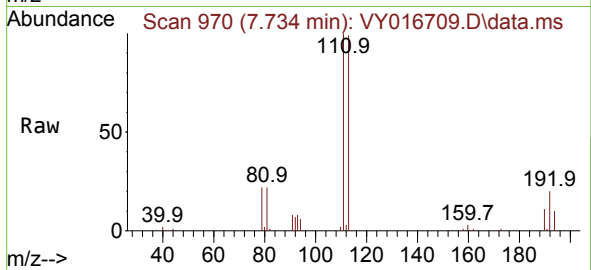
Tgt Ion: 114 Resp: 67317
 Ion Ratio Lower Upper
 114 100
 63 16.6 0.0 34.0
 88 13.9 0.0 29.2



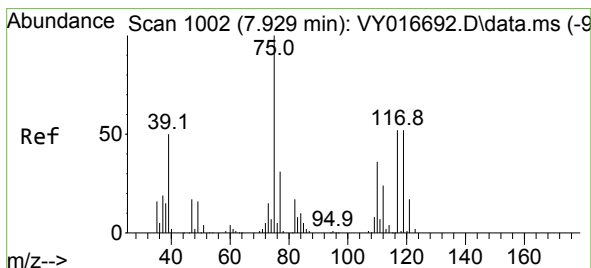
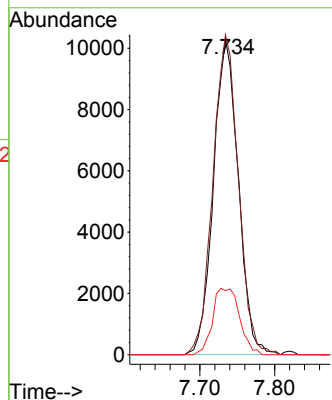
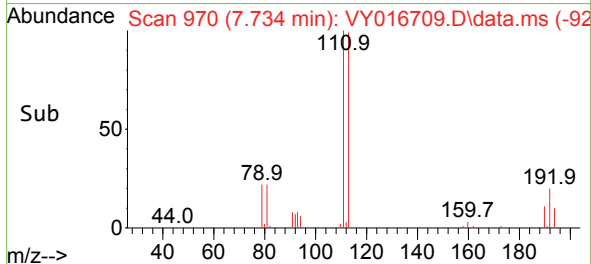


#35
Dibromofluoromethane
Concen: 60.024 ug/l
RT: 7.734 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY016709.D
Acq: 19 Dec 2023 21:37

Instrument :
MSVOA_Y
ClientSampleId :

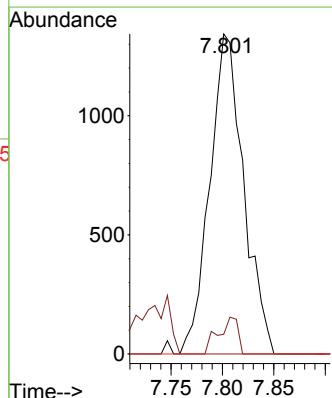
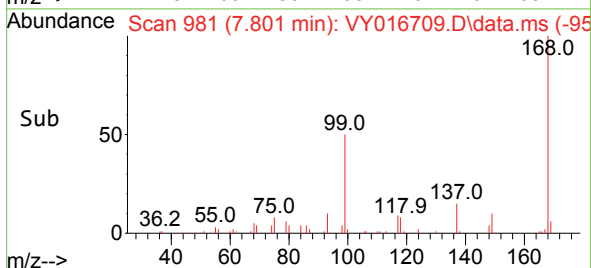
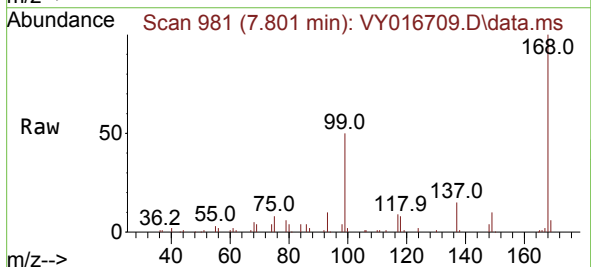


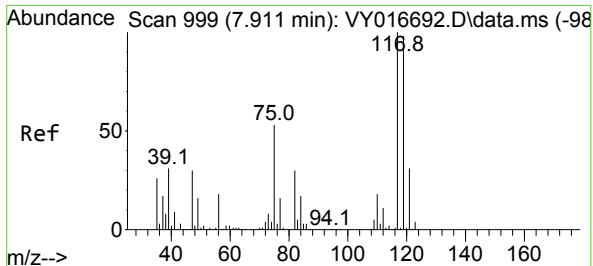
Tgt Ion:113 Resp: 23798
Ion Ratio Lower Upper
113 100
111 103.8 81.9 122.9
192 22.8 16.2 24.4



#36
1,1-Dichloropropene
Concen: 5.132 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.128 min
Lab File: VY016709.D
Acq: 19 Dec 2023 21:37

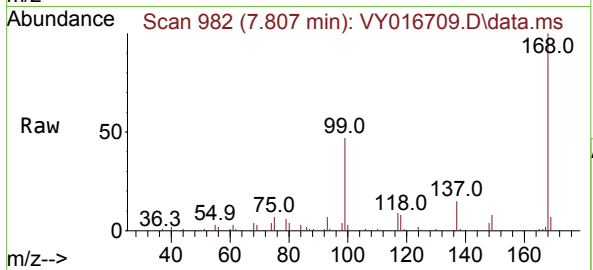
Tgt Ion: 75 Resp: 3078
Ion Ratio Lower Upper
75 100
110 6.6 18.9 56.9#
77 0.0 25.3 37.9#



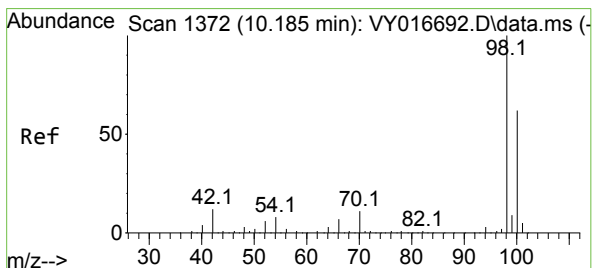
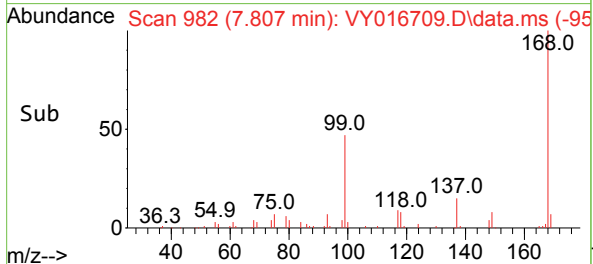
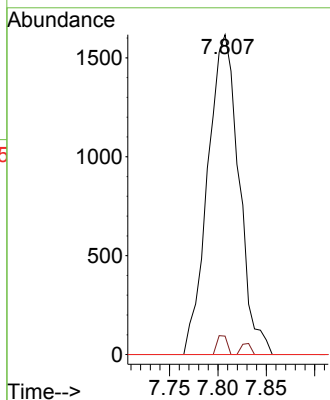


#38
Carbon Tetrachloride
Concen: 5.611 ug/l
RT: 7.807 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY016709.D
Acq: 19 Dec 2023 21:37

Instrument :
MSVOA_Y
ClientSampleId :

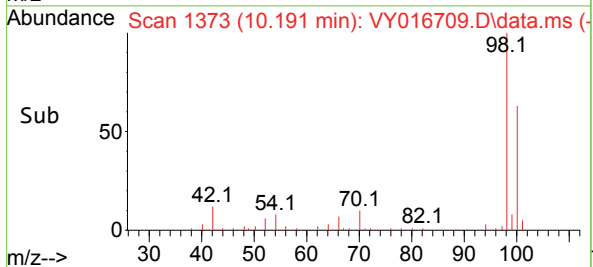
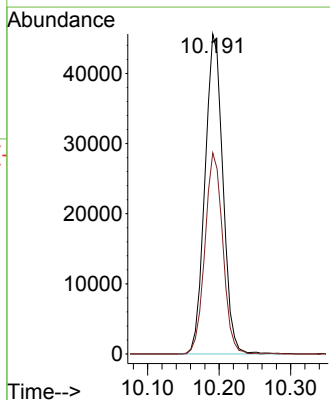
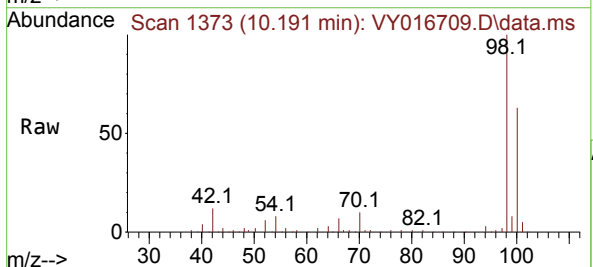


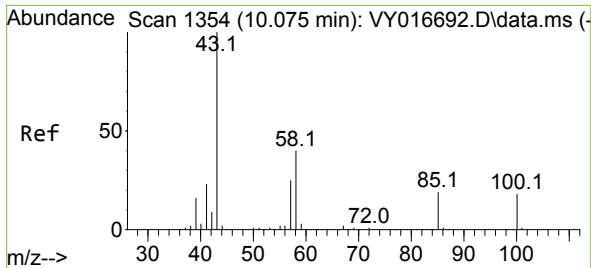
Tgt Ion:117 Resp: 3631
Ion Ratio Lower Upper
117 100
119 5.8 75.0 112.4#
121 0.0 24.2 36.4#



#50
Toluene-d8
Concen: 55.227 ug/l
RT: 10.191 min Scan# 1373
Delta R.T. 0.006 min
Lab File: VY016709.D
Acq: 19 Dec 2023 21:37

Tgt Ion: 98 Resp: 79298
Ion Ratio Lower Upper
98 100
100 62.4 52.5 78.7

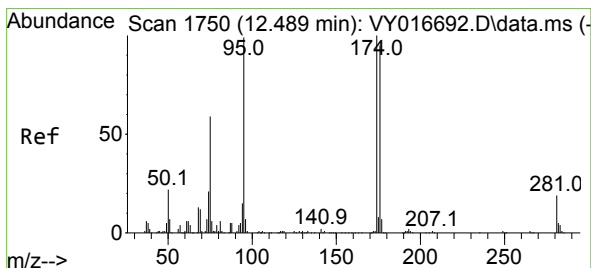
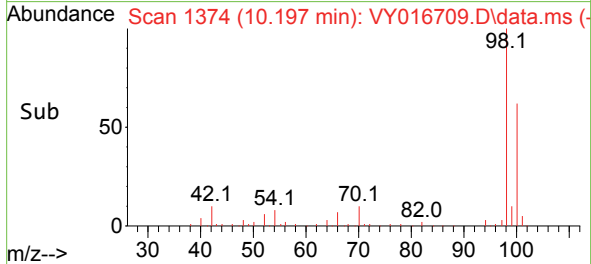
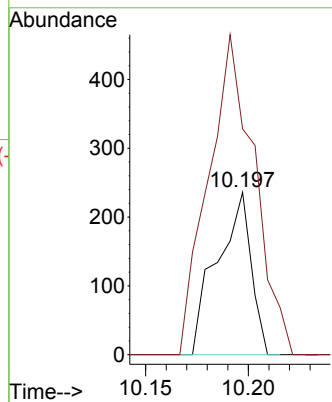
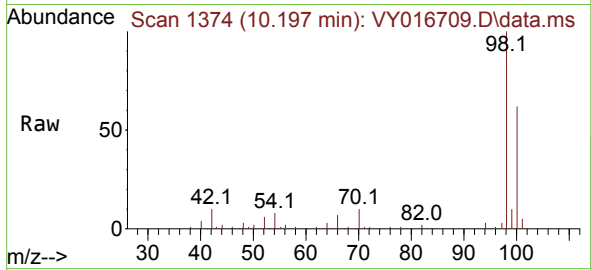




#51
4-Methyl-2-Pentanone
Concen: 1.206 ug/l
RT: 10.197 min Scan# 11
Delta R.T. 0.122 min
Lab File: VY016709.D
Acq: 19 Dec 2023 21:37

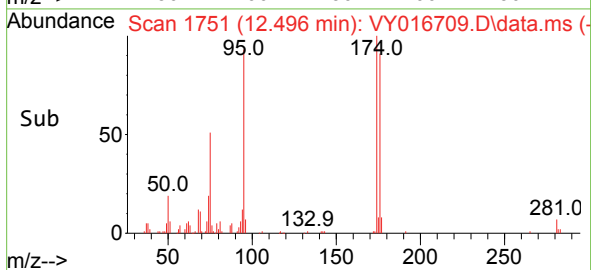
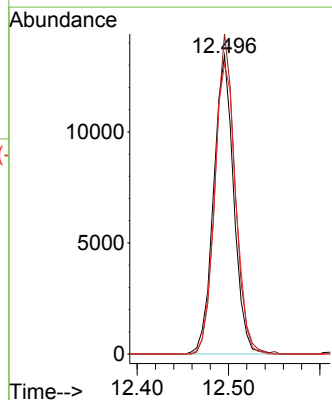
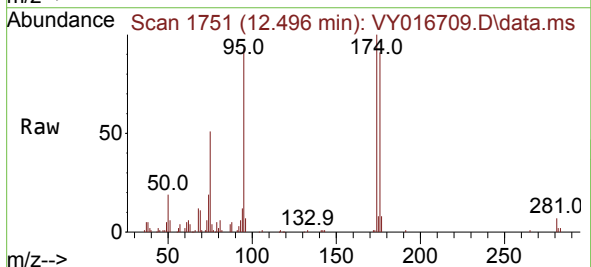
Instrument :
MSVOA_Y
ClientSampleId :

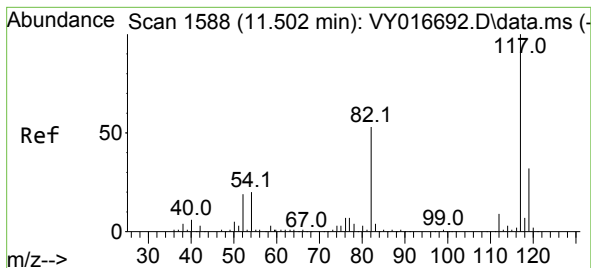
Tgt Ion: 43 Resp: 273
Ion Ratio Lower Upper
43 100
58 264.5 35.8 53.8#



#62
4-Bromofluorobenzene
Concen: 50.242 ug/l
RT: 12.496 min Scan# 1751
Delta R.T. 0.006 min
Lab File: VY016709.D
Acq: 19 Dec 2023 21:37

Tgt Ion: 95 Resp: 20512
Ion Ratio Lower Upper
95 100
174 105.7 0.0 181.0
176 103.0 0.0 176.6

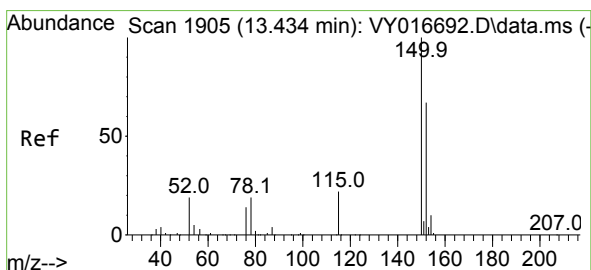
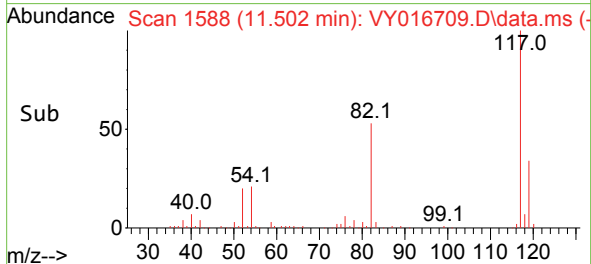
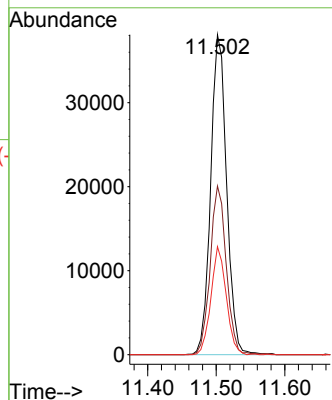
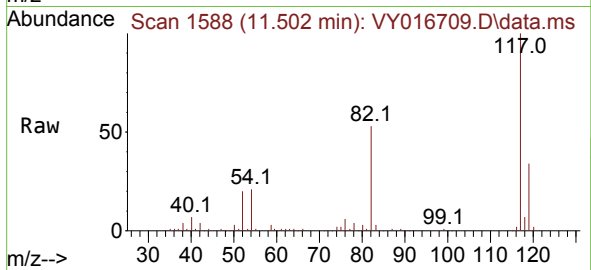




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.502 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY016709.D
Acq: 19 Dec 2023 21:37

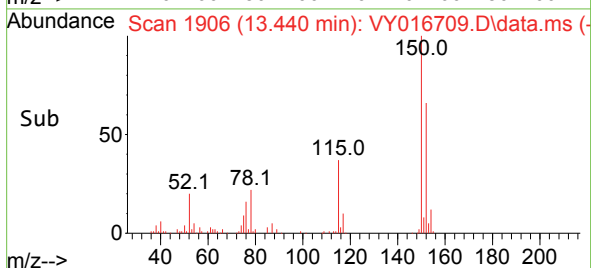
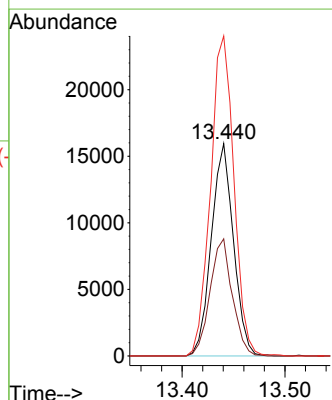
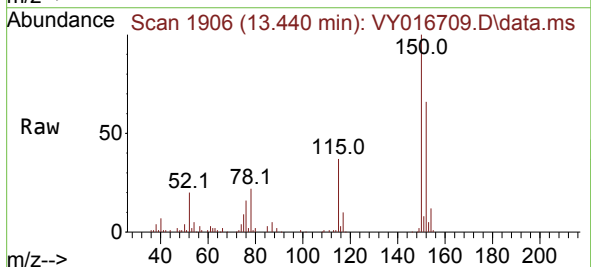
Instrument :
MSVOA_Y
ClientSampleId :

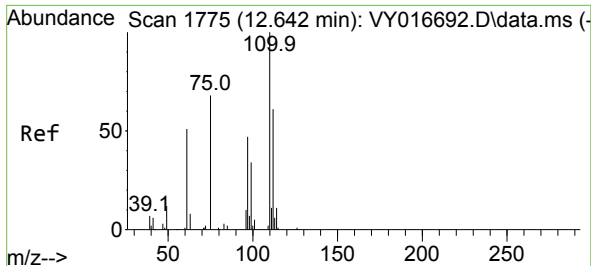
Tgt Ion:117 Resp: 61749
Ion Ratio Lower Upper
117 100
82 52.7 41.0 61.6
119 33.8 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.440 min Scan# 1906
Delta R.T. 0.006 min
Lab File: VY016709.D
Acq: 19 Dec 2023 21:37

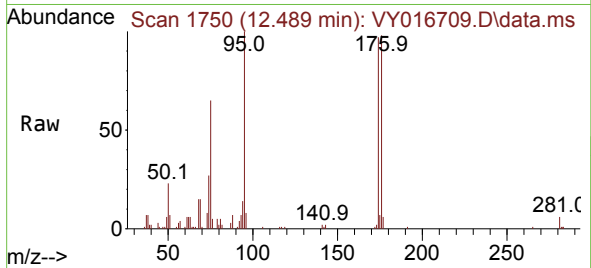
Tgt Ion:152 Resp: 23919
Ion Ratio Lower Upper
152 100
115 55.3 28.2 84.7
150 158.8 0.0 350.6



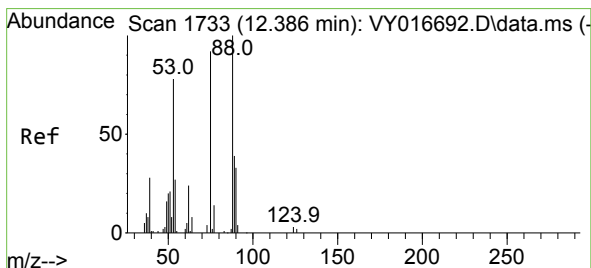
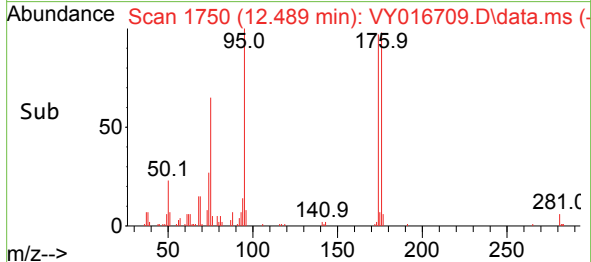
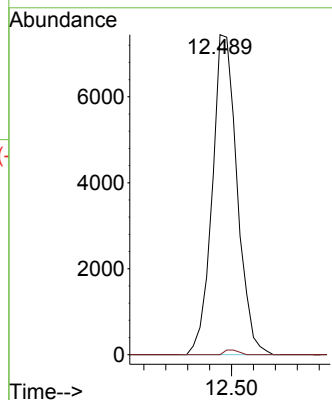


#76
1,2,3-Trichloropropane
Concen: 56.383 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.152 min
Lab File: VY016709.D
Acq: 19 Dec 2023 21:37

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 75 Resp: 11723
Ion Ratio Lower Upper
75 100
77 0.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 129.364 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.104 min
Lab File: VY016709.D
Acq: 19 Dec 2023 21:37

Tgt Ion: 75 Resp: 11723
Ion Ratio Lower Upper
75 100
53 0.0 62.9 94.3#
89 0.0 35.8 53.8#

