

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082523\
 Data File : VY015344.D
 Acq On : 25 Aug 2023 15:52
 Operator : SY/MD
 Sample : 04160-01
 Misc : 5.04g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

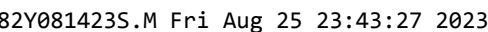
Quant Time: Aug 25 23:43:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 14 12:43:26 2023
 Response via : Initial Calibration

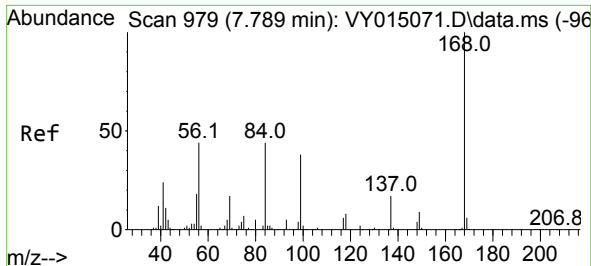
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.783	168	183252	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	306440	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	282122	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	137627	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	118079	53.678	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.360%	
35) Dibromofluoromethane	7.716	113	77025	39.071	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 78.140%	
50) Toluene-d8	10.179	98	360251	49.088	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.180%	
62) 4-Bromofluorobenzene	12.477	95	126742	47.283	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 94.560%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.900	85	19	Below Cal	#	43
3) Chloromethane	2.107	50	350	Below Cal	#	83
5) Bromomethane	2.650	94	219	Below Cal	#	47
11) Tert butyl alcohol	4.917	59	5016	Below Cal	#	91
16) Acetone	3.948	43	4496	6.256	ug/l	96
20) Methylene Chloride	4.704	84	22189	9.367	ug/l #	81
25) 2-Butanone	6.978	43	3328	3.271	ug/l	91
26) 2,2-Dichloropropane	6.978	77	3314	1.126	ug/l #	54
31) Cyclohexane	7.783	56	3899	Below Cal	#	1
36) 1,1-Dichloropropene	7.783	75	13678	6.271	ug/l #	51
37) Ethyl Acetate	6.978	43	3328	1.637	ug/l #	16
38) Carbon Tetrachloride	7.783	117	18455	7.150	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	68767	41.127	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	68767	90.335	ug/l #	11

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

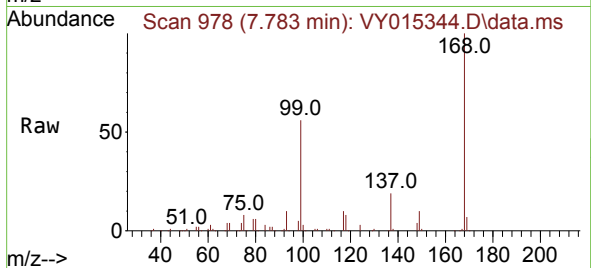
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
Quant Title : SW846 8260
QLast Update : Mon Aug 14 12:43:26 2023
Response via : Initial Calibration



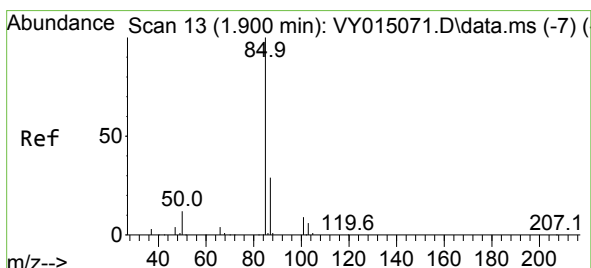
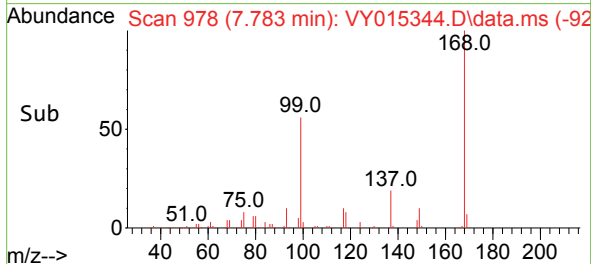
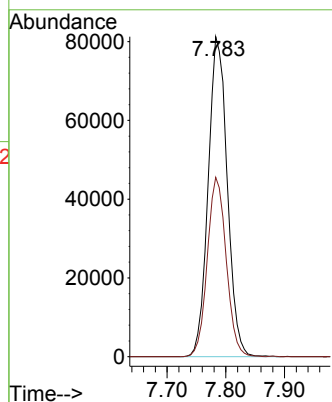


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY015344.D
Acq: 25 Aug 2023 15:52

Instrument :
MSVOA_Y
ClientSampleId :

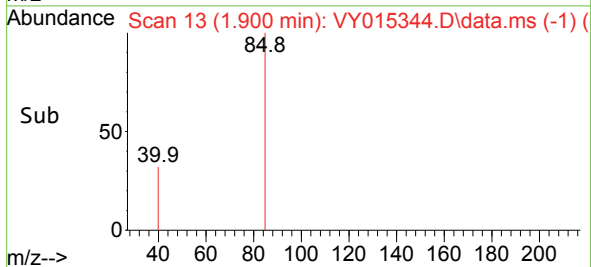
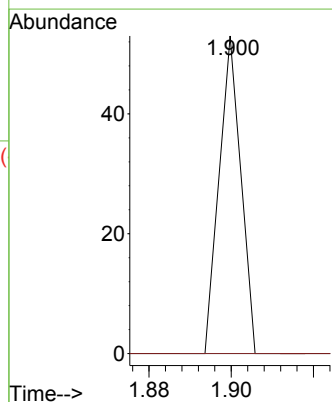
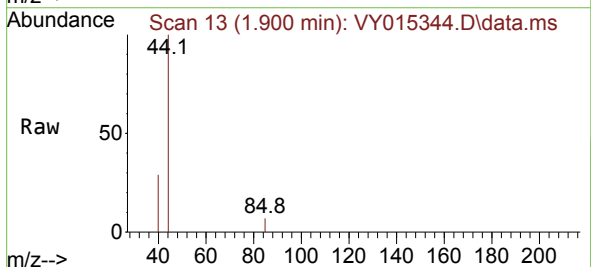


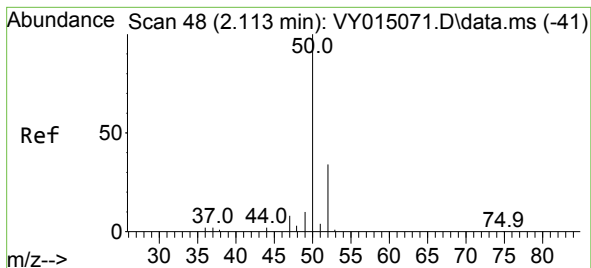
Tgt Ion:168 Resp: 183252
Ion Ratio Lower Upper
168 100
99 56.0 43.4 65.0



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY015344.D
Acq: 25 Aug 2023 15:52

Tgt Ion: 85 Resp: 19
Ion Ratio Lower Upper
85 100
87 0.0 15.6 46.8#





#3

Chloromethane

Concen: Below Cal

RT: 2.107 min Scan# 41

Delta R.T. -0.000 min

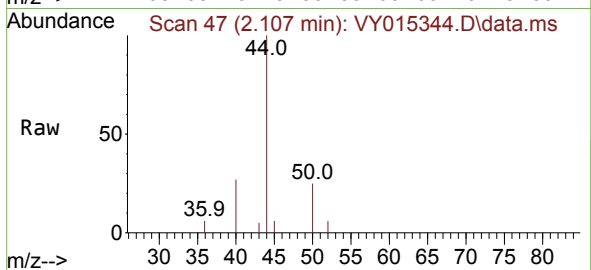
Lab File: VY015344.D

Acq: 25 Aug 2023 15:52

Instrument :

MSVOA_Y

ClientSampleId :

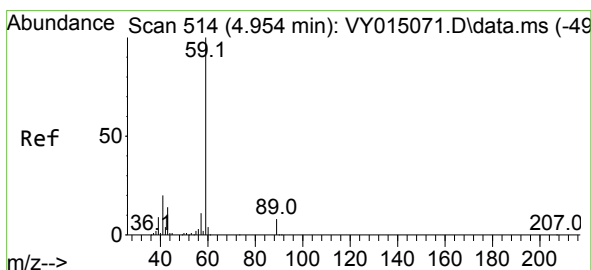
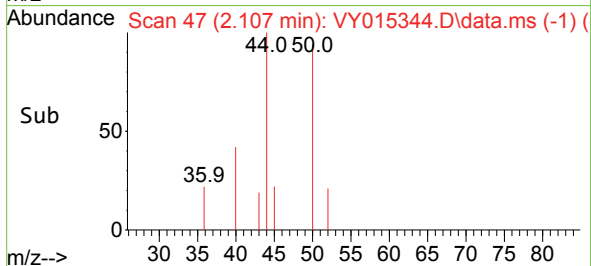
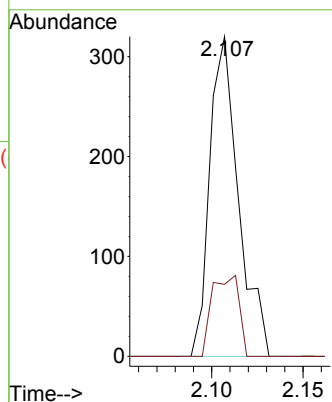


Tgt Ion: 50 Resp: 350

Ion Ratio Lower Upper

50 100

52 22.5 25.4 38.2#



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.917 min Scan# 508

Delta R.T. -0.031 min

Lab File: VY015344.D

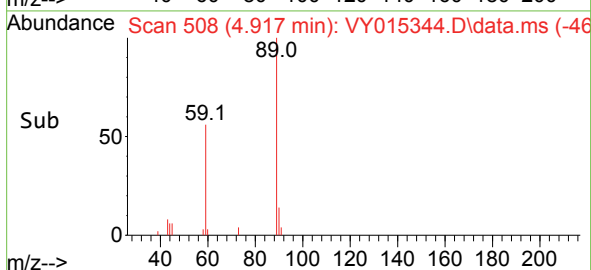
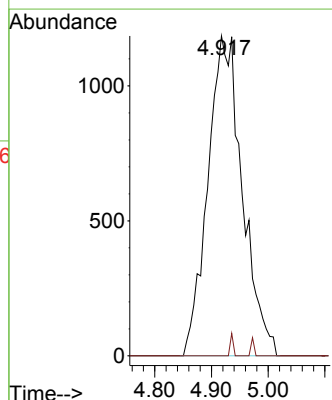
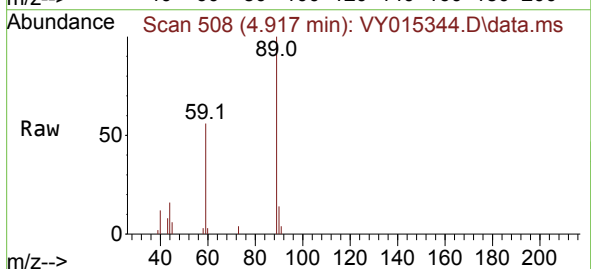
Acq: 25 Aug 2023 15:52

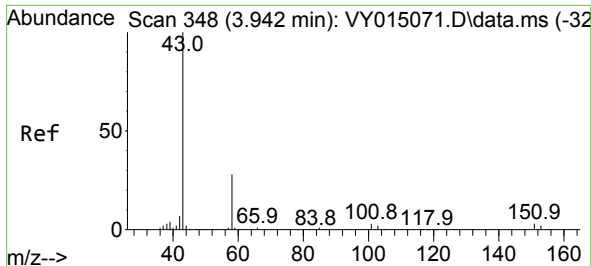
Tgt Ion: 59 Resp: 5016

Ion Ratio Lower Upper

59 100

57 0.6 3.0 4.4#

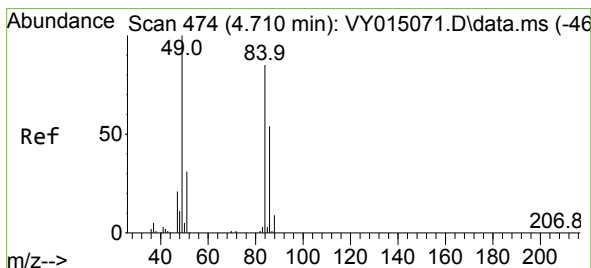
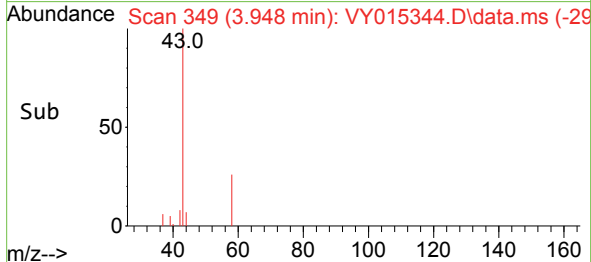
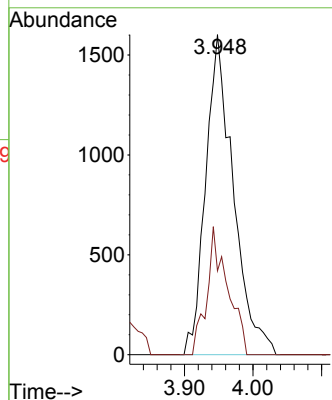
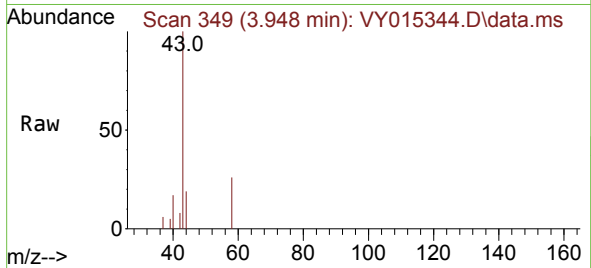




#16
Acetone
Concen: 6.256 ug/l
RT: 3.948 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY015344.D
Acq: 25 Aug 2023 15:52

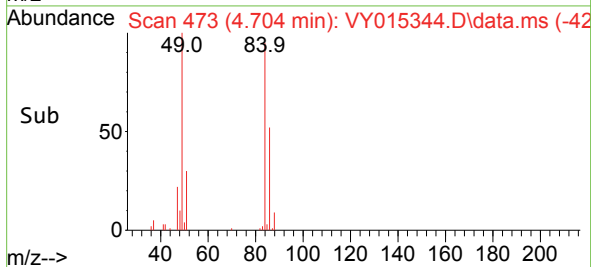
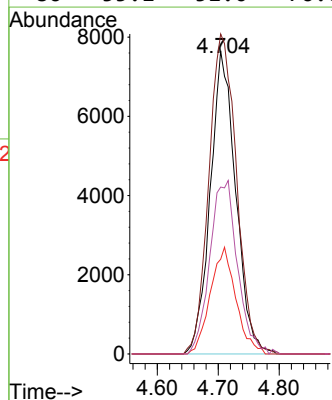
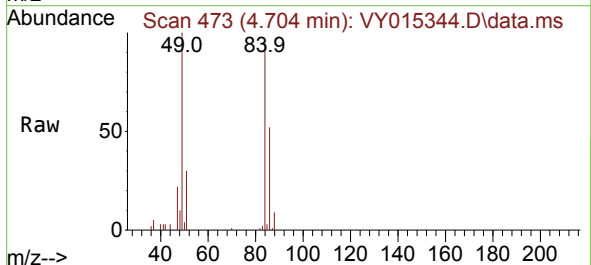
Instrument :
MSVOA_Y
ClientSampleId :

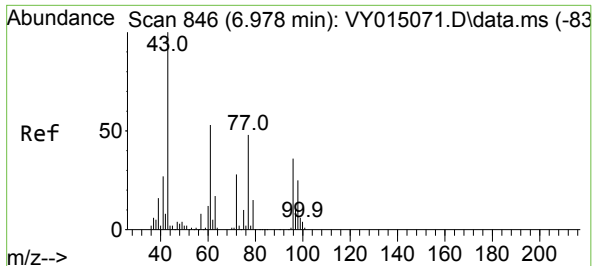
Tgt Ion: 43 Resp: 4496
Ion Ratio Lower Upper
43 100
58 26.2 22.7 34.1



#20
Methylene Chloride
Concen: 9.367 ug/l
RT: 4.704 min Scan# 473
Delta R.T. -0.006 min
Lab File: VY015344.D
Acq: 25 Aug 2023 15:52

Tgt Ion: 84 Resp: 22189
Ion Ratio Lower Upper
84 100
49 105.6 106.9 160.3#
51 31.3 33.2 49.8#
86 55.1 51.0 76.6

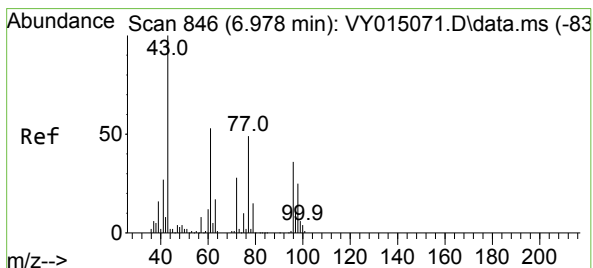
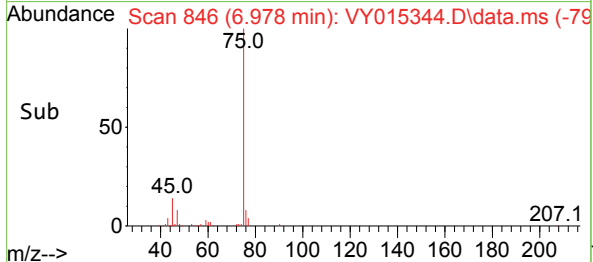
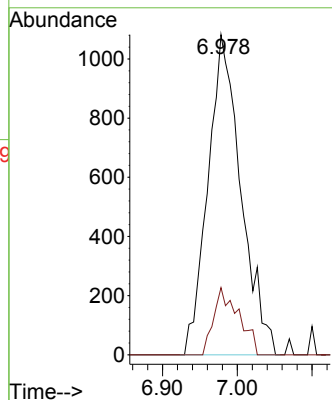
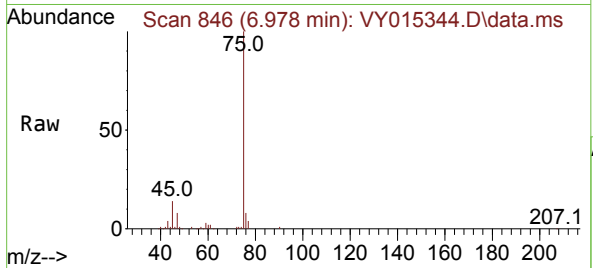




#25
2-Butanone
Concen: 3.271 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY015344.D
Acq: 25 Aug 2023 15:52

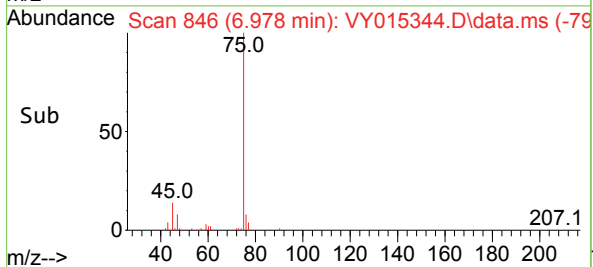
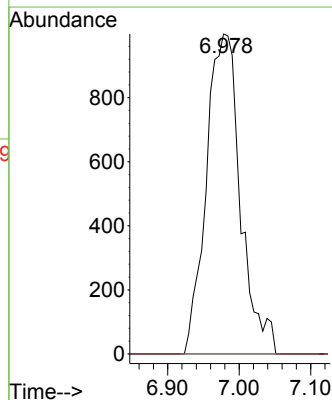
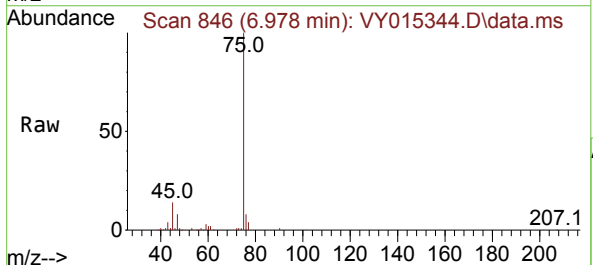
Instrument :
MSVOA_Y
ClientSampleId :

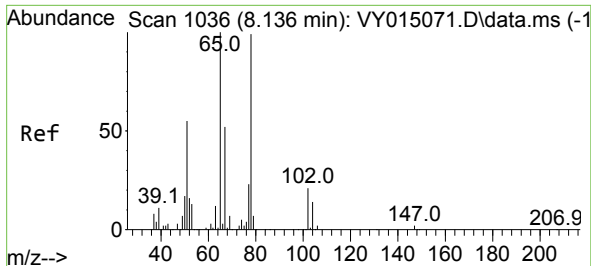
Tgt Ion: 43 Resp: 3328
Ion Ratio Lower Upper
43 100
72 21.0 20.5 30.7



#26
2,2-Dichloropropane
Concen: 1.126 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.006 min
Lab File: VY015344.D
Acq: 25 Aug 2023 15:52

Tgt Ion: 77 Resp: 3314
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#





#33

1,2-Dichloroethane-d4

Concen: 53.678 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY015344.D

Acq: 25 Aug 2023 15:52

Instrument :

MSVOA_Y

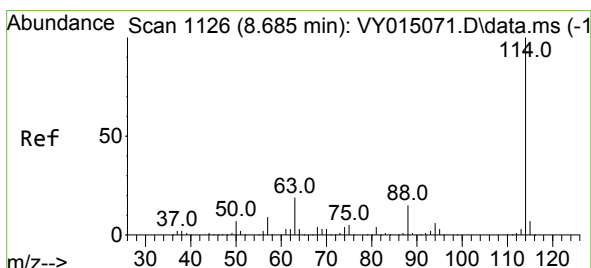
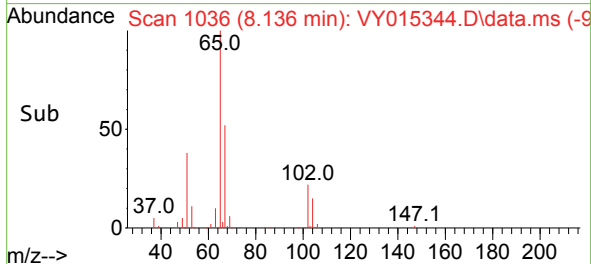
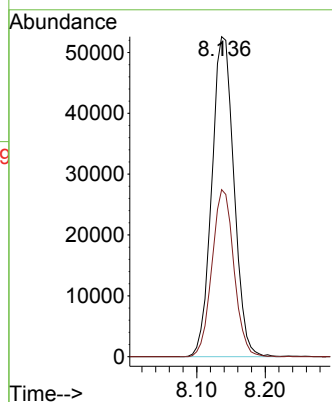
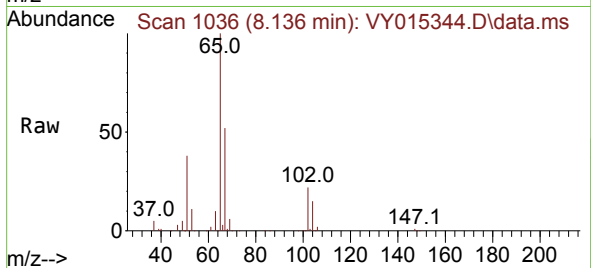
ClientSampleId :

Tgt Ion: 65 Resp: 118079

Ion Ratio Lower Upper

65 100

67 51.7 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: VY015344.D

Acq: 25 Aug 2023 15:52

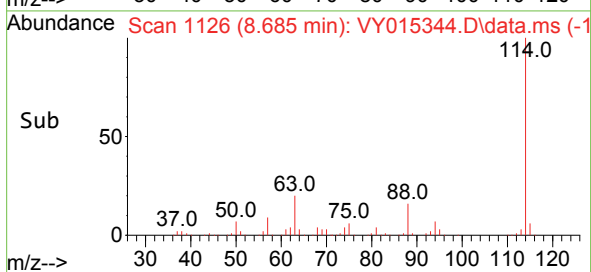
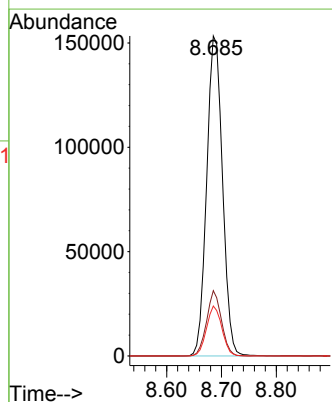
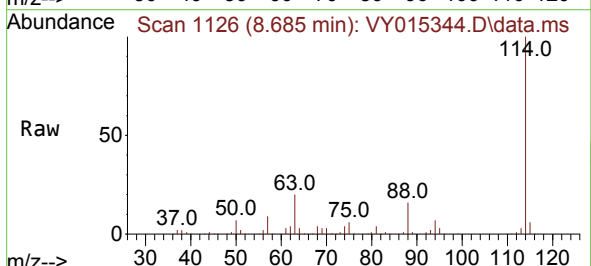
Tgt Ion: 114 Resp: 306440

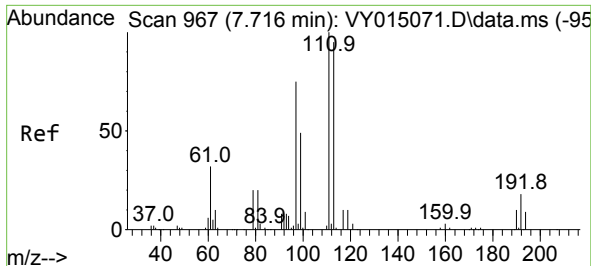
Ion Ratio Lower Upper

114 100

63 20.4 0.0 42.4

88 15.6 0.0 30.6

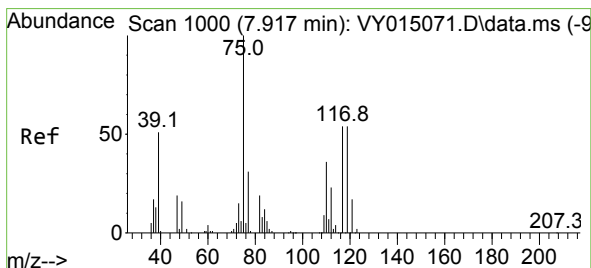
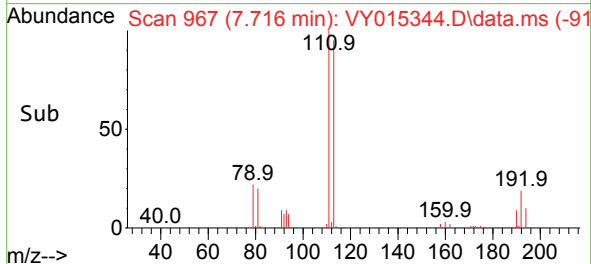
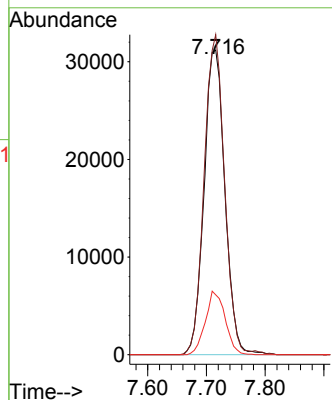
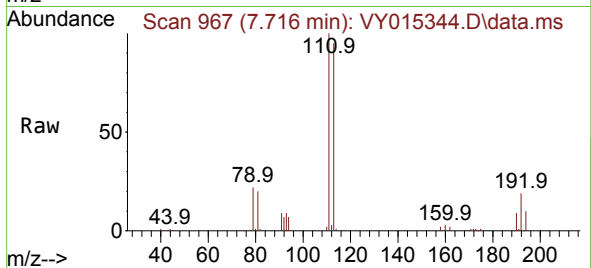




#35
Dibromofluoromethane
Concen: 39.071 ug/l
RT: 7.716 min Scan# 90
Delta R.T. 0.000 min
Lab File: VY015344.D
Acq: 25 Aug 2023 15:52

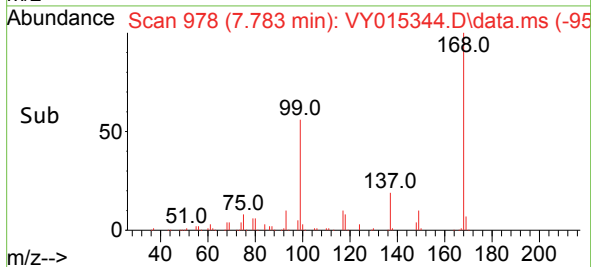
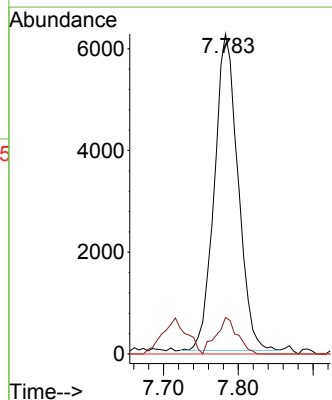
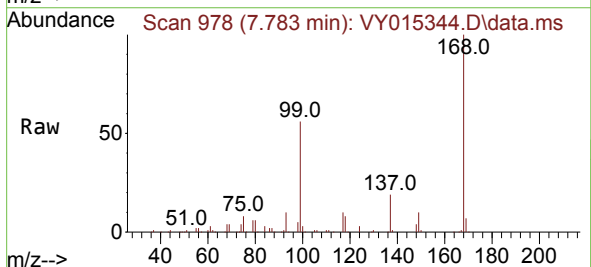
Instrument :
MSVOA_Y
ClientSampleId :

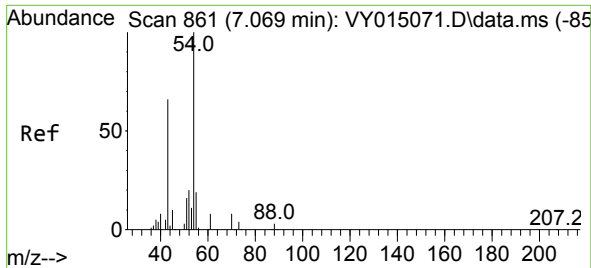
Tgt Ion:113 Resp: 77025
Ion Ratio Lower Upper
113 100
111 102.8 81.3 121.9
192 19.7 16.9 25.3



#36
1,1-Dichloropropene
Concen: 6.271 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY015344.D
Acq: 25 Aug 2023 15:52

Tgt Ion: 75 Resp: 13678
Ion Ratio Lower Upper
75 100
110 10.3 17.8 53.5#
77 0.0 24.4 36.6#

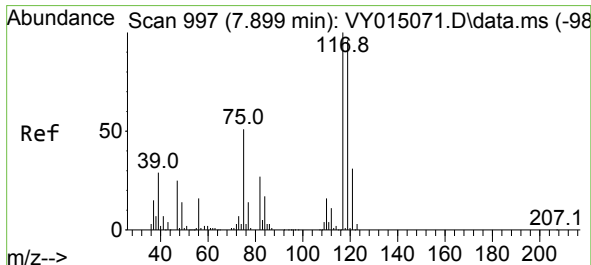
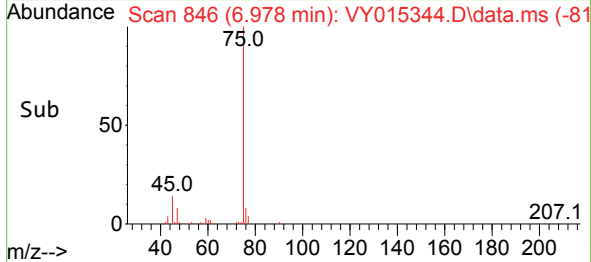
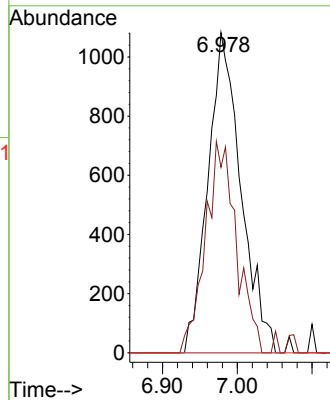
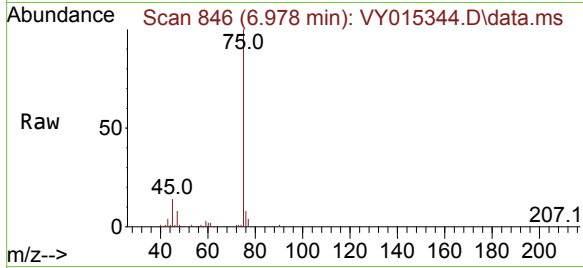




#37
Ethyl Acetate
Concen: 1.637 ug/l
RT: 6.978 min Scan# 84
Delta R.T. -0.091 min
Lab File: VY015344.D
Acq: 25 Aug 2023 15:52

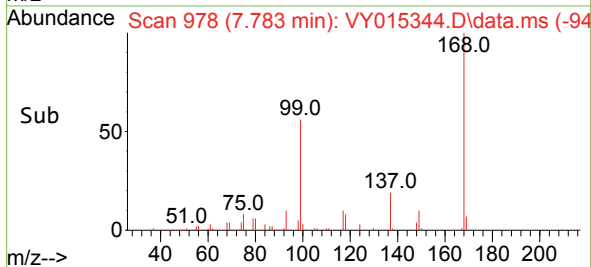
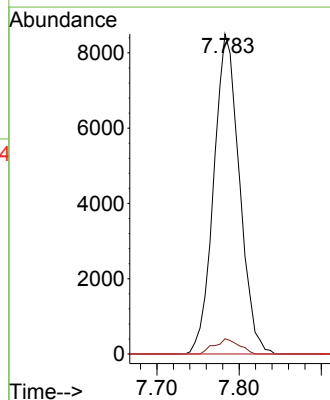
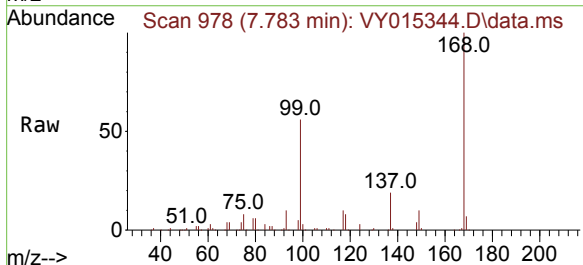
Instrument :
MSVOA_Y
ClientSampleId :

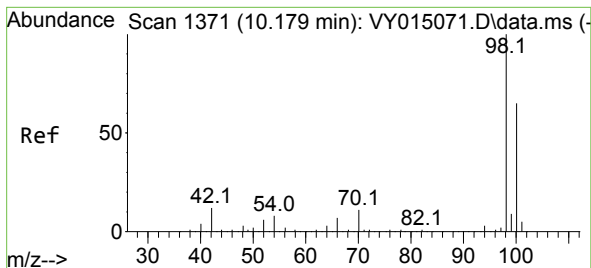
Tgt Ion: 43 Resp: 3328
Ion Ratio Lower Upper
43 100
61 62.0 10.1 15.1#
70 0.0 7.1 10.7#



#38
Carbon Tetrachloride
Concen: 7.150 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.116 min
Lab File: VY015344.D
Acq: 25 Aug 2023 15:52

Tgt Ion: 117 Resp: 18455
Ion Ratio Lower Upper
117 100
119 4.8 76.4 114.6#
121 0.0 25.8 38.6#





#50

Toluene-d8

Concen: 49.088 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. 0.000 min

Lab File: VY015344.D

Acq: 25 Aug 2023 15:52

Instrument :

MSVOA_Y

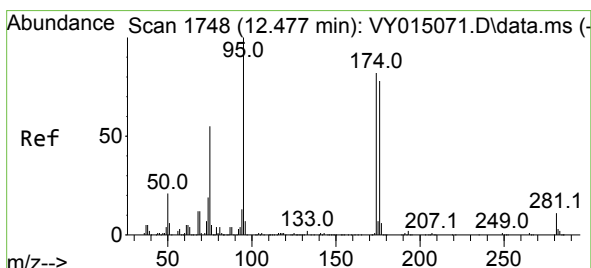
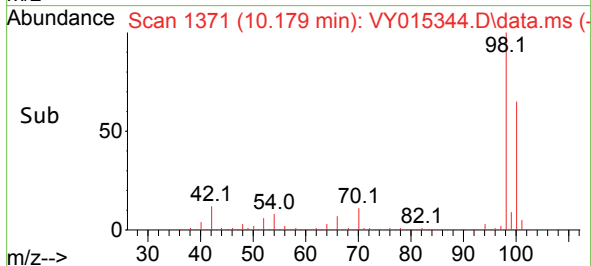
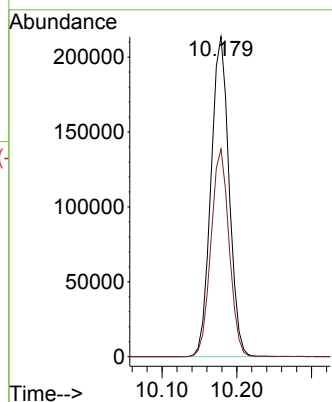
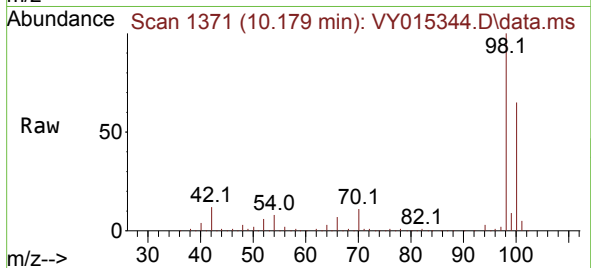
ClientSampleId :

Tgt Ion: 98 Resp: 360251

Ion Ratio Lower Upper

98 100

100 65.0 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 47.283 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.000 min

Lab File: VY015344.D

Acq: 25 Aug 2023 15:52

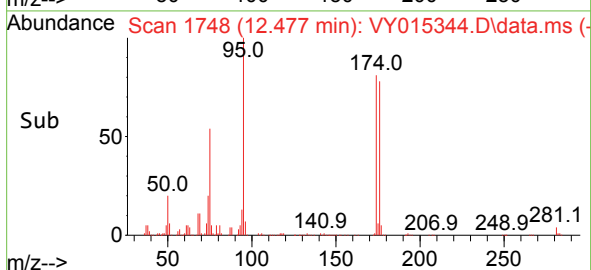
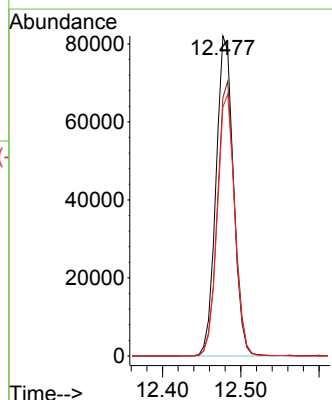
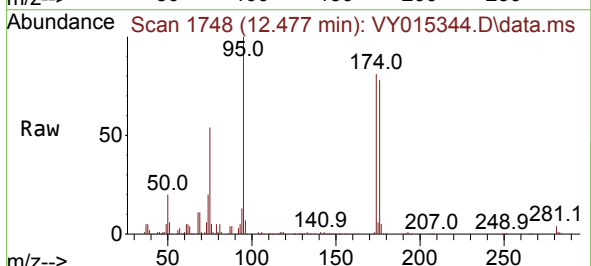
Tgt Ion: 95 Resp: 126742

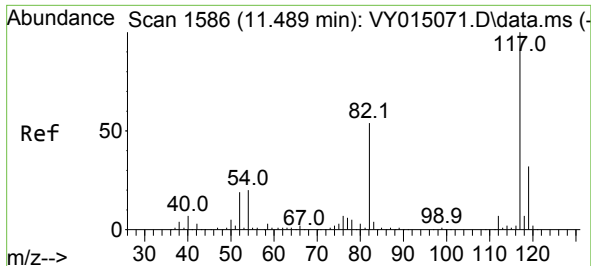
Ion Ratio Lower Upper

95 100

174 85.2 0.0 178.2

176 81.6 0.0 173.8

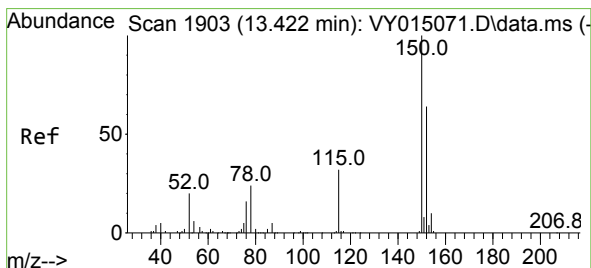
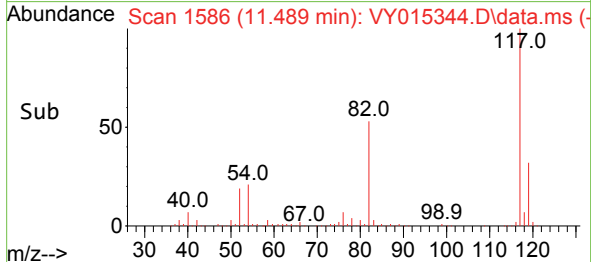
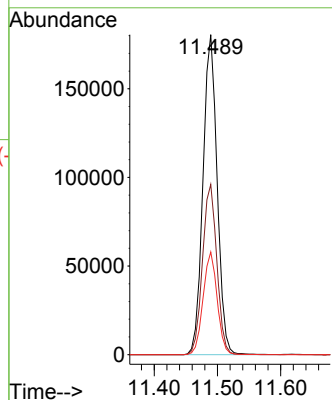
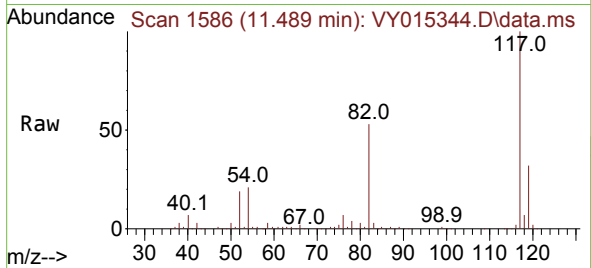




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY015344.D
Acq: 25 Aug 2023 15:52

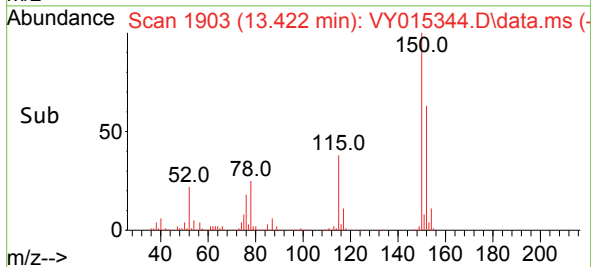
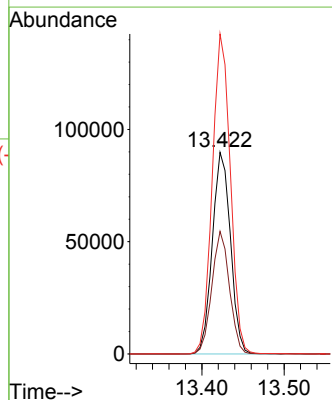
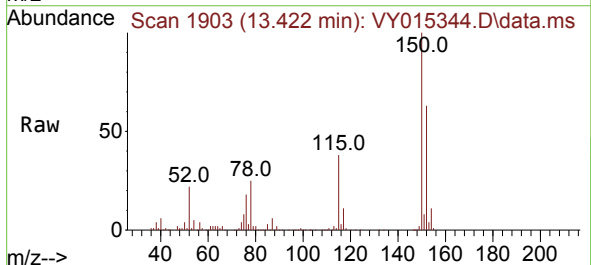
Instrument :
MSVOA_Y
ClientSampleId :

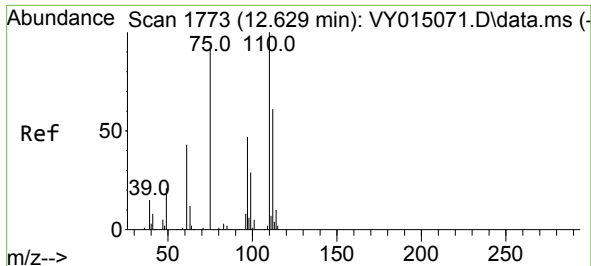
Tgt Ion:117 Resp: 282122
Ion Ratio Lower Upper
117 100
82 53.2 43.4 65.0
119 32.1 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY015344.D
Acq: 25 Aug 2023 15:52

Tgt Ion:152 Resp: 137627
Ion Ratio Lower Upper
152 100
115 59.2 28.8 86.5
150 157.7 0.0 348.8

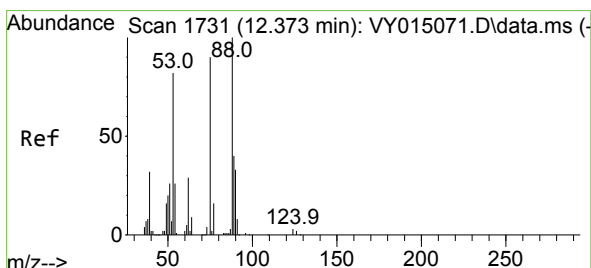
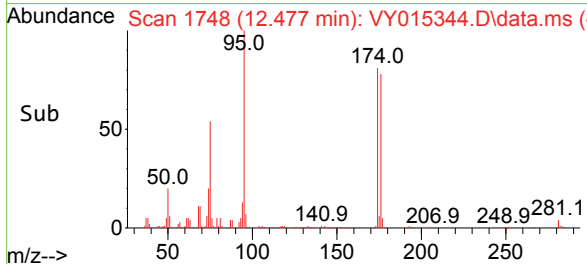
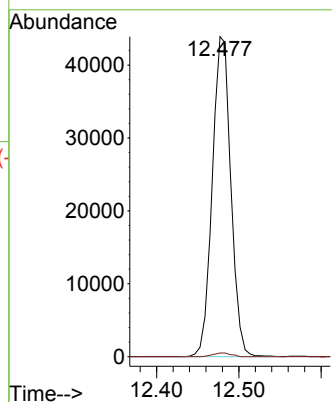
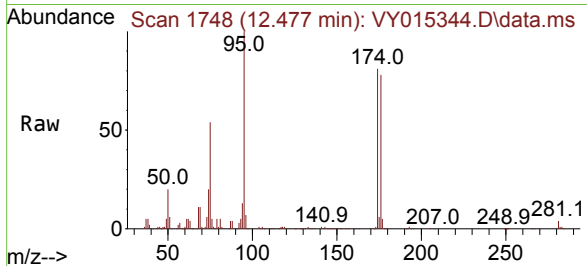




#76
1,2,3-Trichloropropane
Concen: 41.127 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY015344.D
Acq: 25 Aug 2023 15:52

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 68767
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 90.335 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY015344.D
Acq: 25 Aug 2023 15:52

Tgt Ion: 75 Resp: 68767
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.1 37.4 56.0#

