

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082123\
 Data File : VY015227.D
 Acq On : 21 Aug 2023 18:56
 Operator : SY/MD
 Sample : 04091-01
 Misc : 4.98g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 22 01:57:54 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

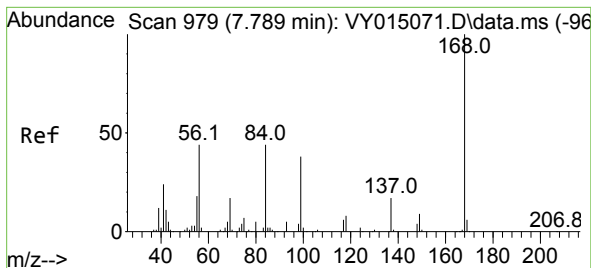
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.783	168	126320	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	223813	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	228074	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	116473	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	86021	56.729	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 113.460%	
35) Dibromofluoromethane	7.710	113	72607	50.426	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.860%	
50) Toluene-d8	10.173	98	273407	51.009	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.020%	
62) 4-Bromofluorobenzene	12.477	95	106662	54.483	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 108.960%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.894	85	77	Below Cal	#	43
3) Chloromethane	2.101	50	350	Below Cal		93
5) Bromomethane	2.656	94	155	Below Cal	#	78
11) Tert butyl alcohol	4.942	59	222	Below Cal	#	89
16) Acetone	3.942	43	908	1.833	ug/l	99
20) Methylene Chloride	4.704	84	25148	18.447	ug/l	91
31) Cyclohexane	7.783	56	2748	Below Cal	#	1
36) 1,1-Dichloropropene	7.783	75	9490	5.957	ug/l #	50
38) Carbon Tetrachloride	7.783	117	12738	6.757	ug/l #	15
52) Toluene	10.240	92	4648	1.464	ug/l	96
76) 1,2,3-Trichloropropane	12.477	75	57517	40.646	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	57517	89.279	ug/l #	10

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

Quant Time: Aug 22 01:57:54 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.000 min

Lab File: VY015227.D

Acq: 21 Aug 2023 18:56

Instrument :

MSVOA_Y

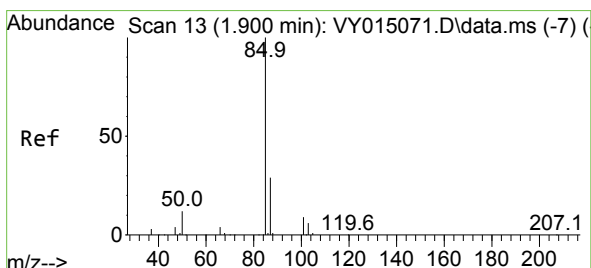
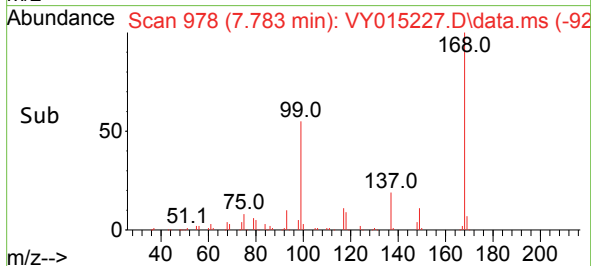
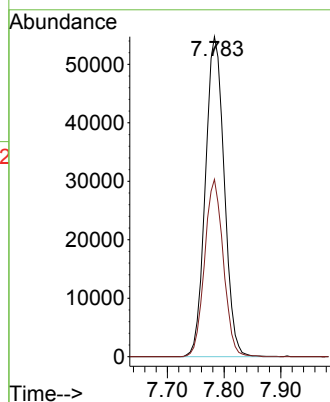
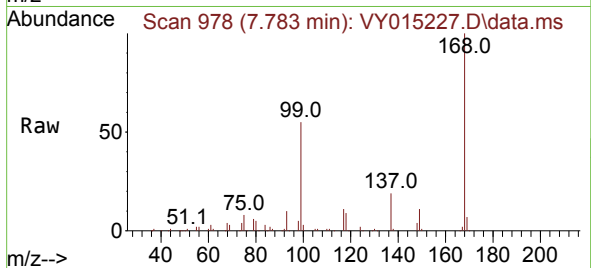
ClientSampleId :

Tgt Ion:168 Resp: 126320

Ion Ratio Lower Upper

168 100

99 55.4 43.4 65.0



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.894 min Scan# 12

Delta R.T. -0.006 min

Lab File: VY015227.D

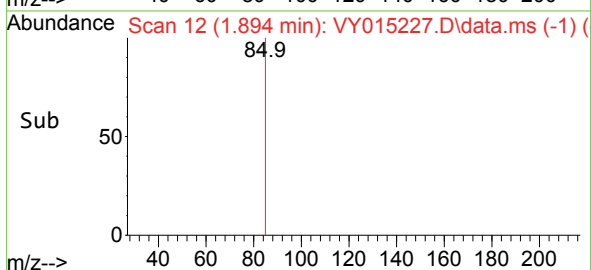
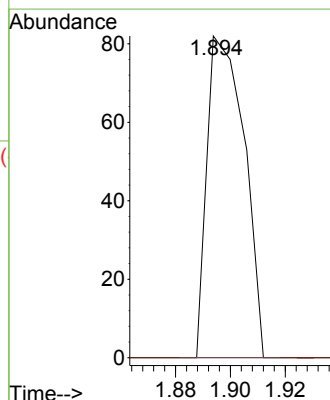
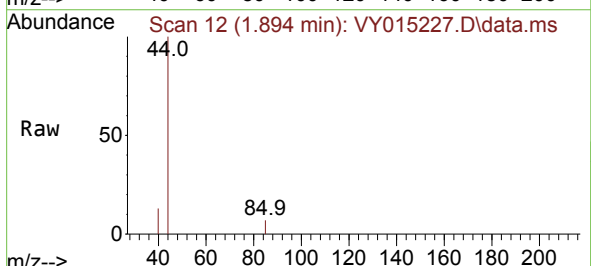
Acq: 21 Aug 2023 18:56

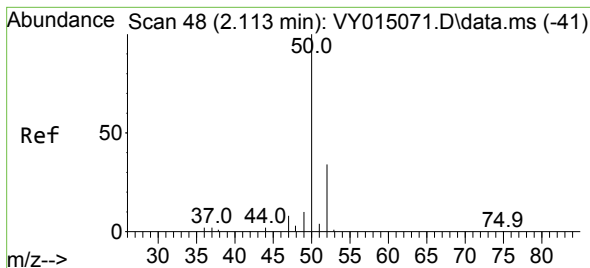
Tgt Ion: 85 Resp: 77

Ion Ratio Lower Upper

85 100

87 0.0 15.6 46.8#





#3

Chloromethane

Concen: Below Cal

RT: 2.101 min Scan# 41

Delta R.T. -0.006 min

Lab File: VY015227.D

Acq: 21 Aug 2023 18:56

Instrument :

MSVOA_Y

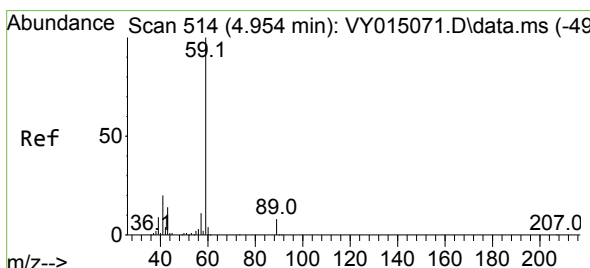
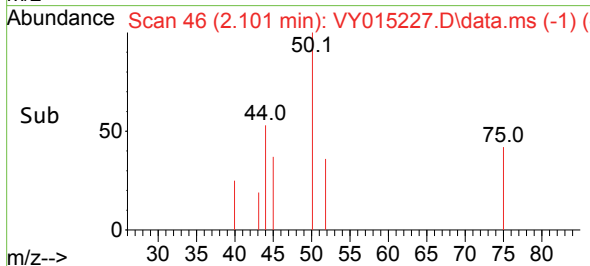
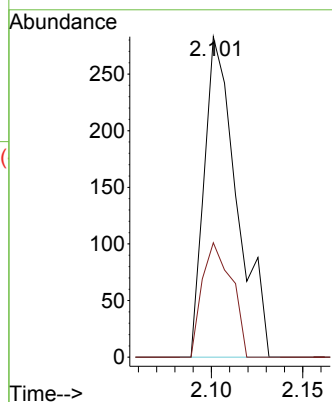
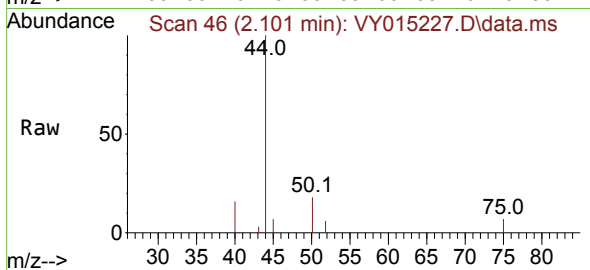
ClientSampleId :

Tgt Ion: 50 Resp: 350

Ion Ratio Lower Upper

50 100

52 35.7 25.4 38.2



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.942 min Scan# 512

Delta R.T. -0.006 min

Lab File: VY015227.D

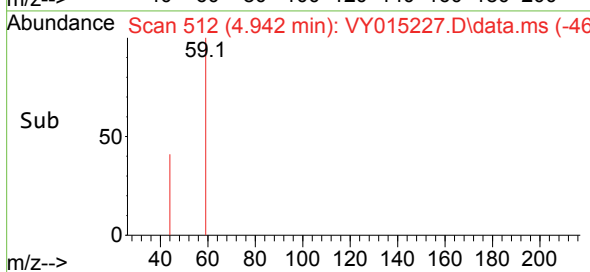
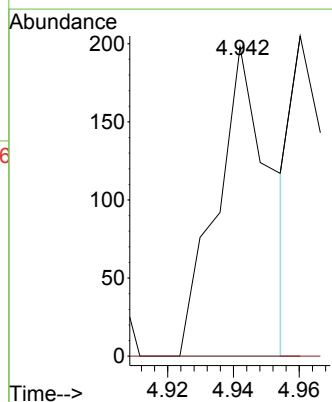
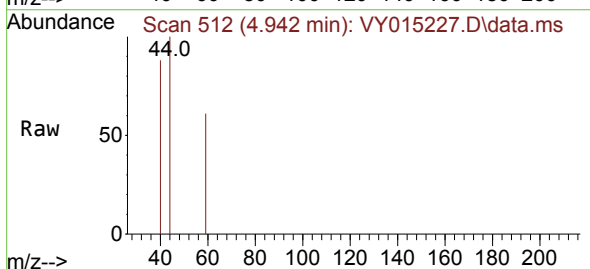
Acq: 21 Aug 2023 18:56

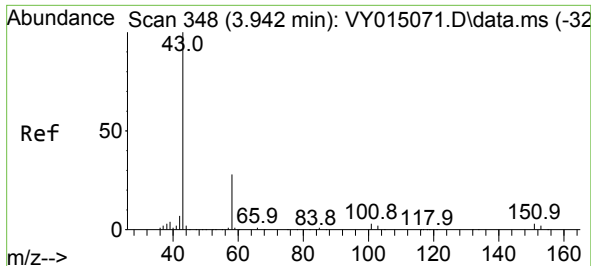
Tgt Ion: 59 Resp: 222

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.4#

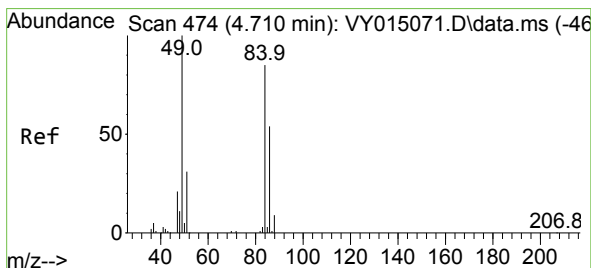
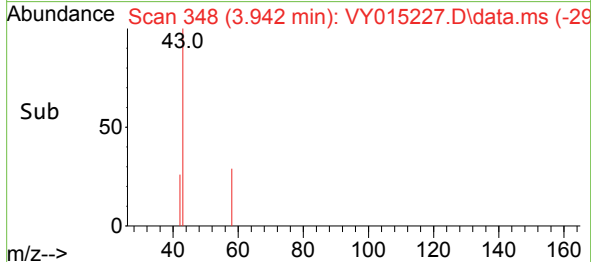
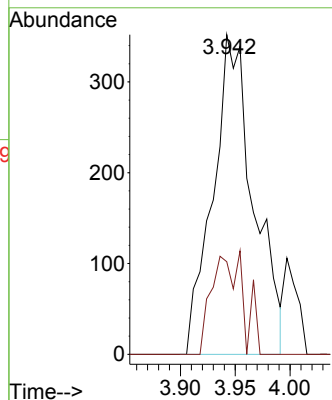
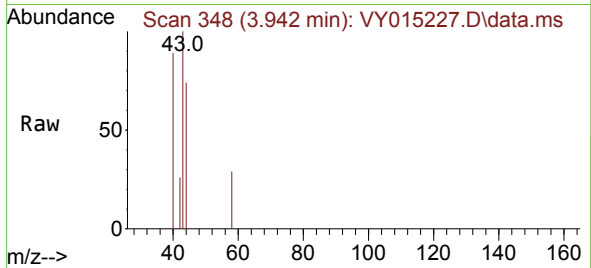




#16
Acetone
Concen: 1.833 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY015227.D
Acq: 21 Aug 2023 18:56

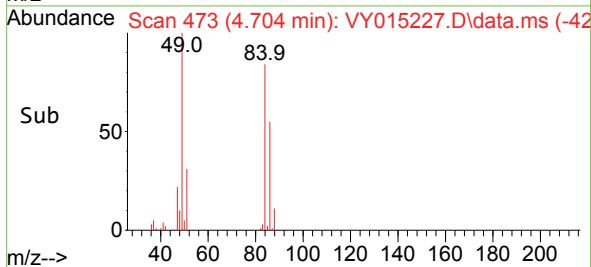
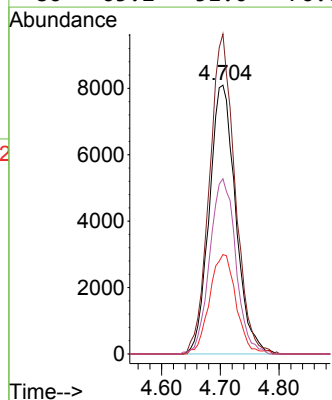
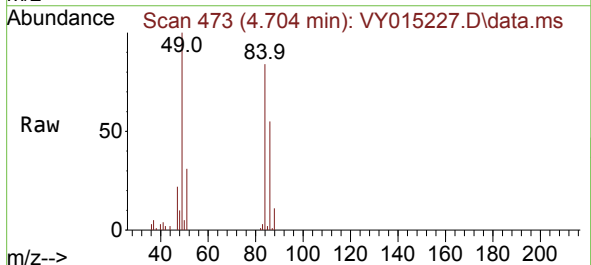
Instrument :
MSVOA_Y
ClientSampleId :

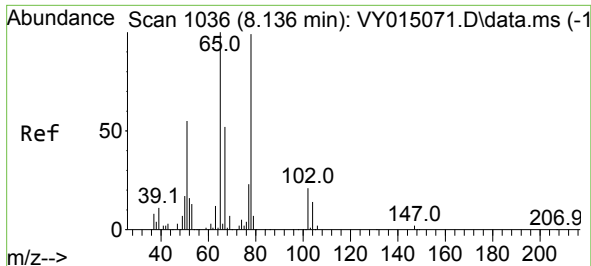
Tgt Ion: 43 Resp: 908
Ion Ratio Lower Upper
43 100
58 29.0 22.7 34.1



#20
Methylene Chloride
Concen: 18.447 ug/l
RT: 4.704 min Scan# 473
Delta R.T. -0.006 min
Lab File: VY015227.D
Acq: 21 Aug 2023 18:56

Tgt Ion: 84 Resp: 25148
Ion Ratio Lower Upper
84 100
49 119.1 106.9 160.3
51 37.0 33.2 49.8
86 65.2 51.0 76.6





#33

1,2-Dichloroethane-d4

Concen: 56.729 ug/l

RT: 8.137 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY015227.D

Acq: 21 Aug 2023 18:56

Instrument :

MSVOA_Y

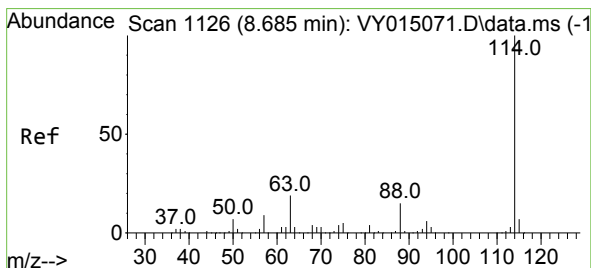
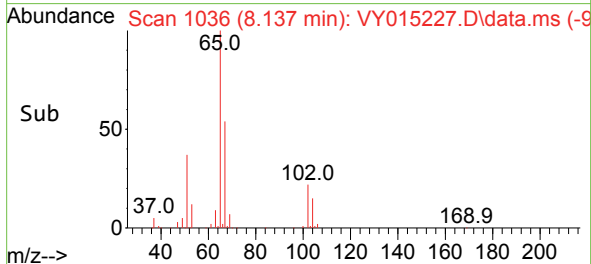
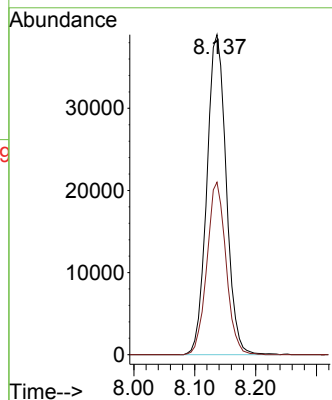
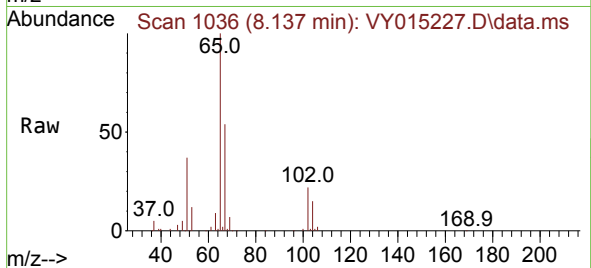
ClientSampleId :

Tgt Ion: 65 Resp: 86021

Ion Ratio Lower Upper

65 100

67 53.1 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: VY015227.D

Acq: 21 Aug 2023 18:56

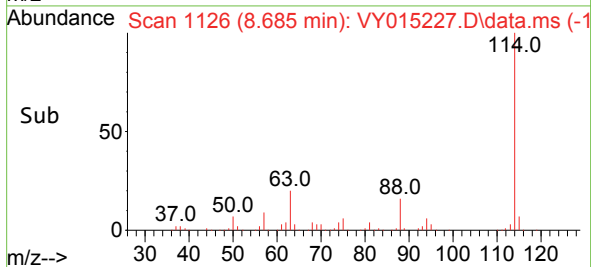
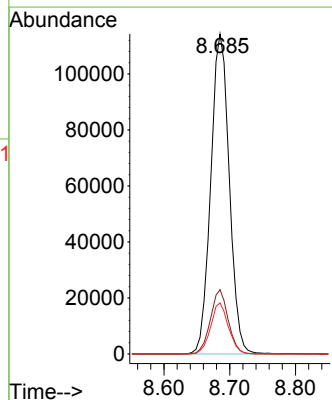
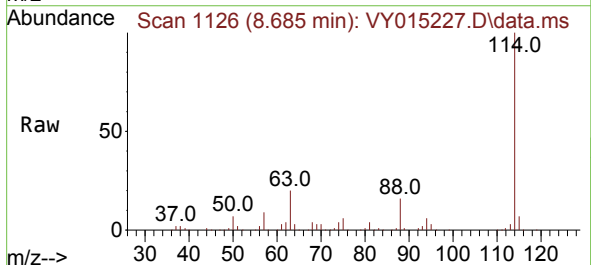
Tgt Ion: 114 Resp: 223813

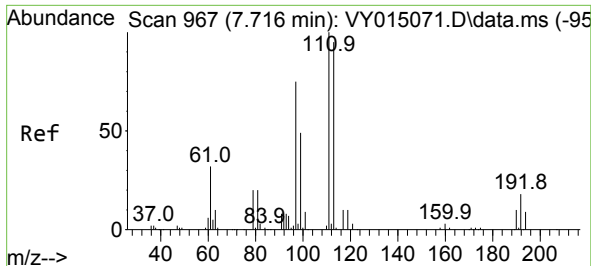
Ion Ratio Lower Upper

114 100

63 20.1 0.0 42.4

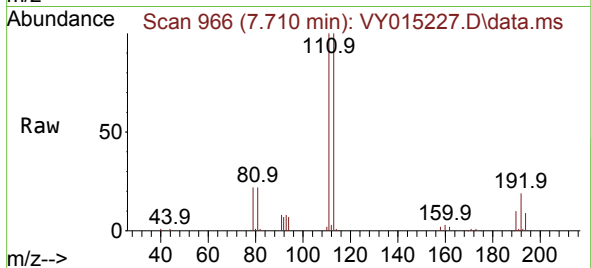
88 15.9 0.0 30.6



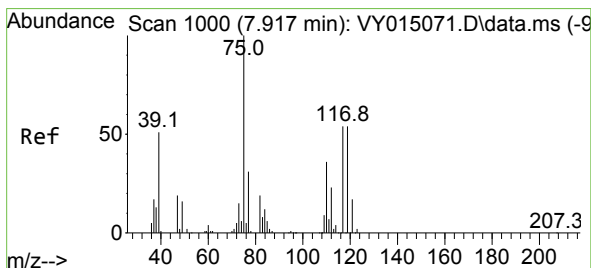
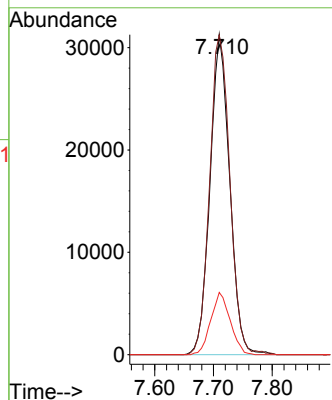
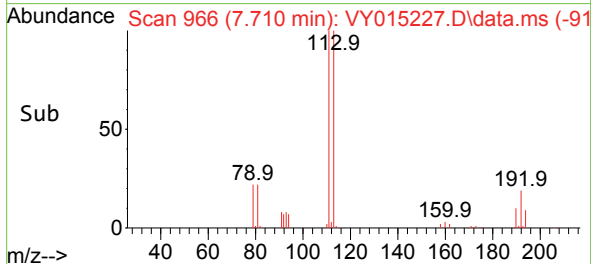


#35
 Dibromofluoromethane
 Concen: 50.426 ug/l
 RT: 7.710 min Scan# 911
 Delta R.T. -0.006 min
 Lab File: VY015227.D
 Acq: 21 Aug 2023 18:56

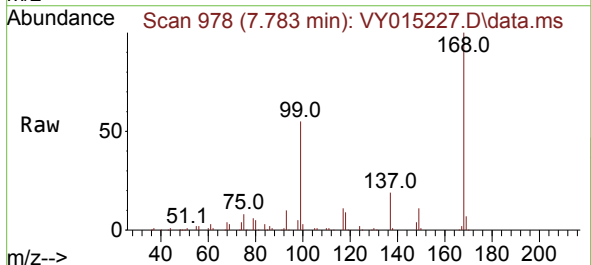
Instrument :
 MSVOA_Y
 ClientSampleId :



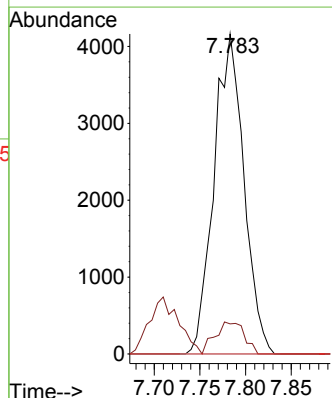
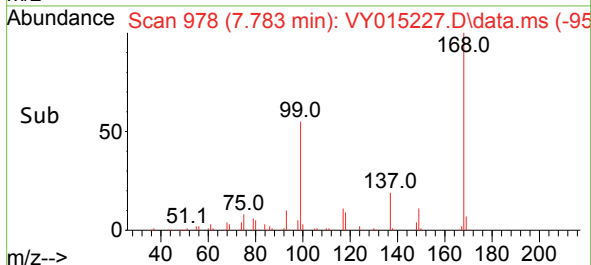
Tgt Ion:113 Resp: 72607
 Ion Ratio Lower Upper
 113 100
 111 103.0 81.3 121.9
 192 19.2 16.9 25.3

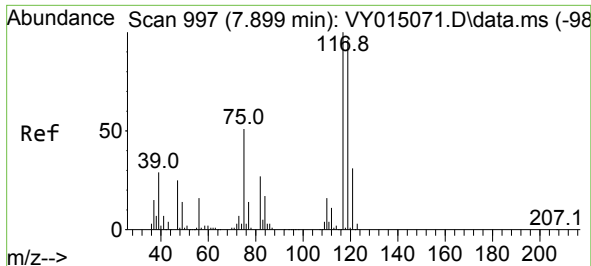


#36
 1,1-Dichloropropene
 Concen: 5.957 ug/l
 RT: 7.783 min Scan# 978
 Delta R.T. -0.128 min
 Lab File: VY015227.D
 Acq: 21 Aug 2023 18:56



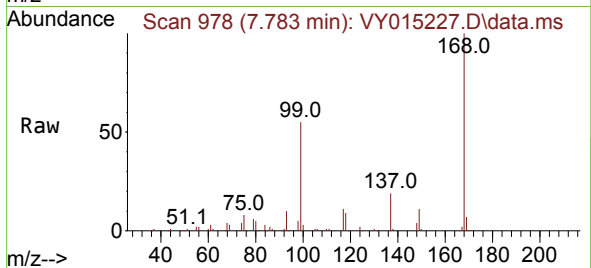
Tgt Ion: 75 Resp: 9490
 Ion Ratio Lower Upper
 75 100
 110 9.7 17.8 53.5#
 77 0.0 24.4 36.6#



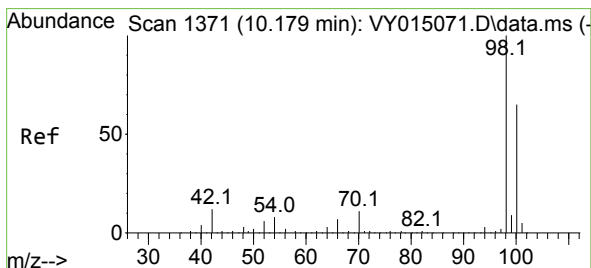
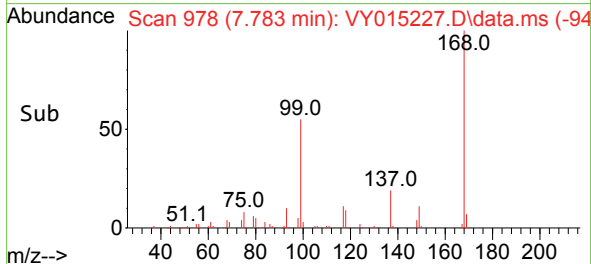
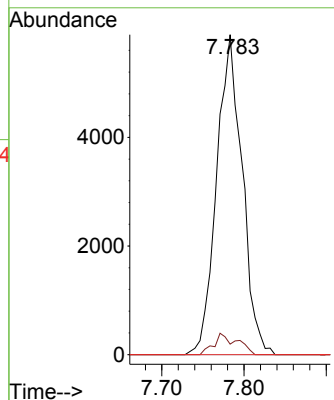


#38
Carbon Tetrachloride
Concen: 6.757 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY015227.D
Acq: 21 Aug 2023 18:56

Instrument :
MSVOA_Y
ClientSampleId :

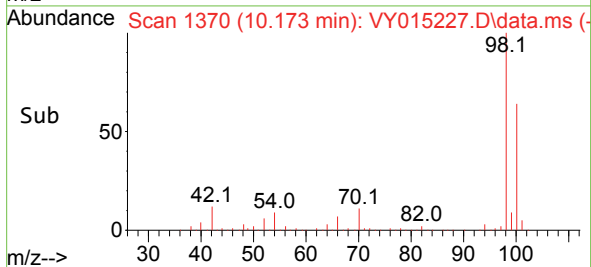
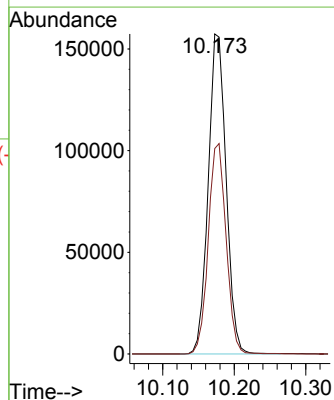
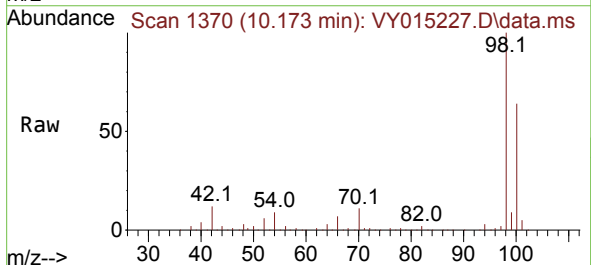


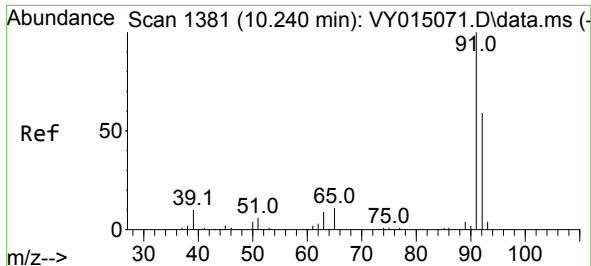
Tgt Ion:117 Resp: 12738
Ion Ratio Lower Upper
117 100
119 3.3 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 51.009 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. -0.006 min
Lab File: VY015227.D
Acq: 21 Aug 2023 18:56

Tgt Ion: 98 Resp: 273407
Ion Ratio Lower Upper
98 100
100 65.6 50.1 75.1

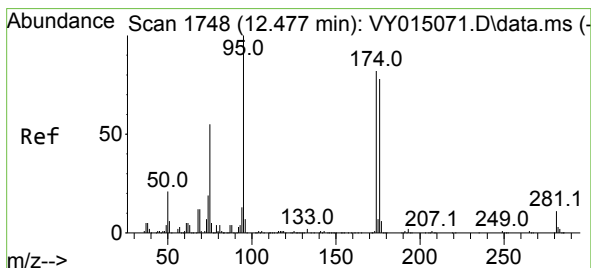
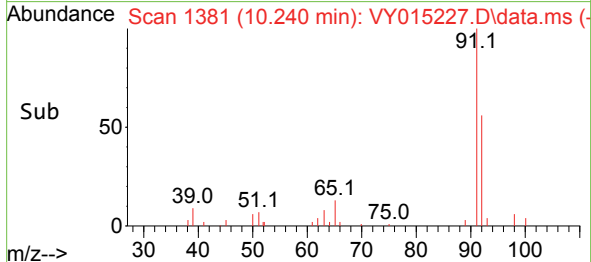
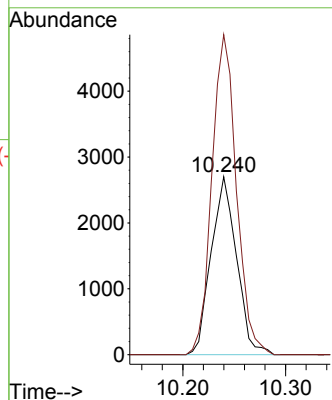
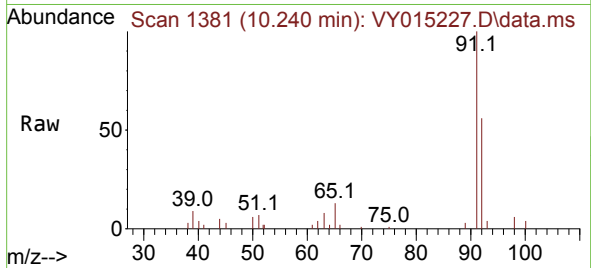




#52
Toluene
Concen: 1.464 ug/l
RT: 10.240 min Scan# 1381
Delta R.T. 0.000 min
Lab File: VY015227.D
Acq: 21 Aug 2023 18:56

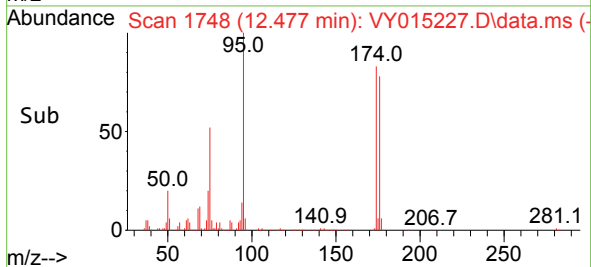
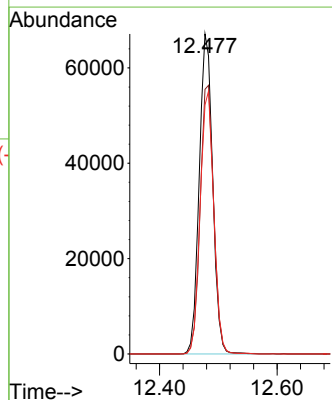
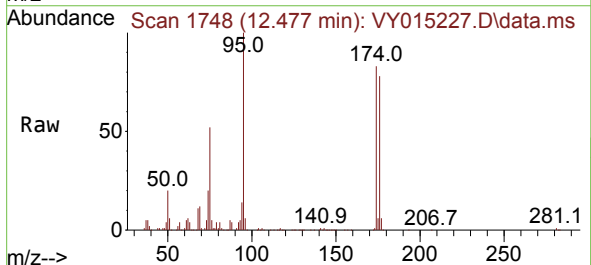
Instrument :
MSVOA_Y
ClientSampleId :

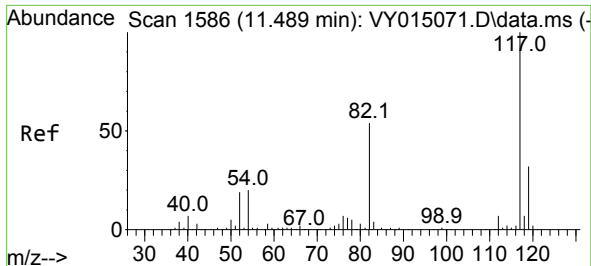
Tgt Ion: 92 Resp: 4648
Ion Ratio Lower Upper
92 100
91 173.5 143.8 215.6



#62
4-Bromofluorobenzene
Concen: 54.483 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY015227.D
Acq: 21 Aug 2023 18:56

Tgt Ion: 95 Resp: 106662
Ion Ratio Lower Upper
95 100
174 84.5 0.0 178.2
176 83.0 0.0 173.8

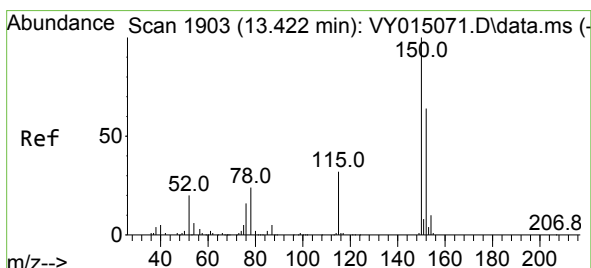
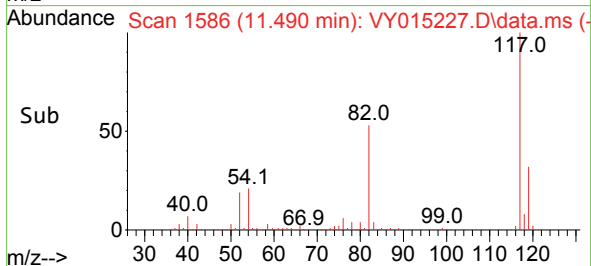
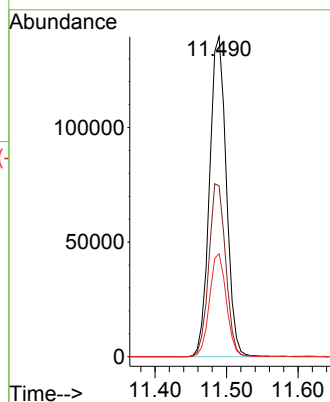
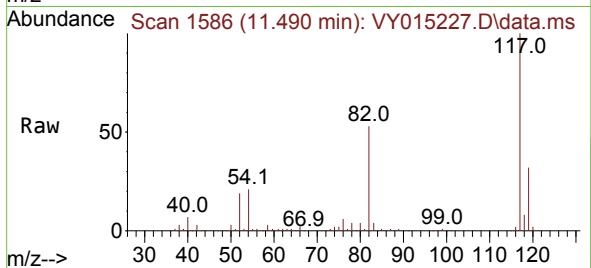




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY015227.D
Acq: 21 Aug 2023 18:56

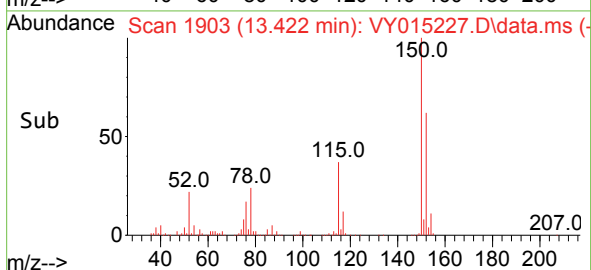
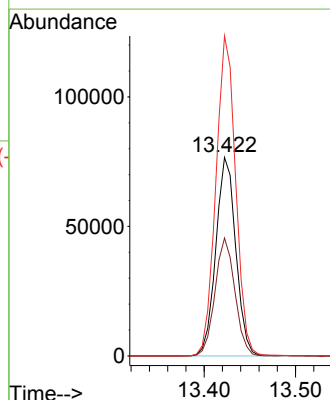
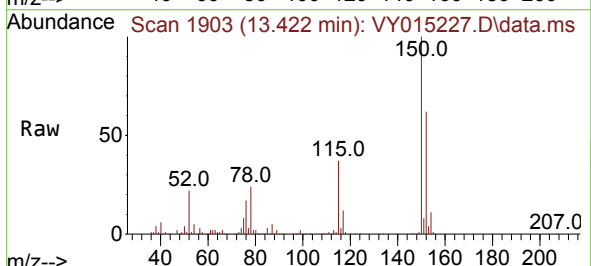
Instrument :
MSVOA_Y
ClientSampleId :

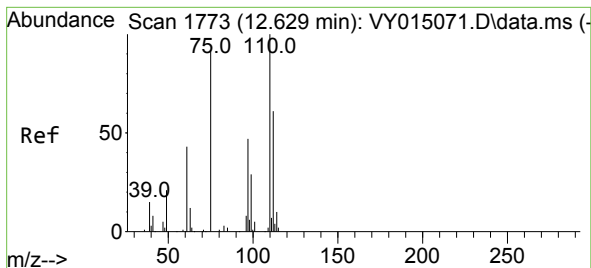
Tgt Ion:117 Resp: 228074
Ion Ratio Lower Upper
117 100
82 53.4 43.4 65.0
119 32.2 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY015227.D
Acq: 21 Aug 2023 18:56

Tgt Ion:152 Resp: 116473
Ion Ratio Lower Upper
152 100
115 59.0 28.8 86.5
150 159.6 0.0 348.8





#76

1,2,3-Trichloropropane

Concen: 40.646 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY015227.D

Acq: 21 Aug 2023 18:56

Instrument :

MSVOA_Y

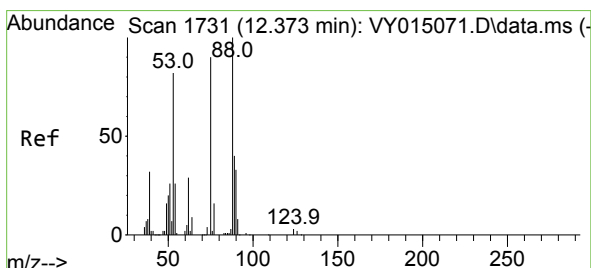
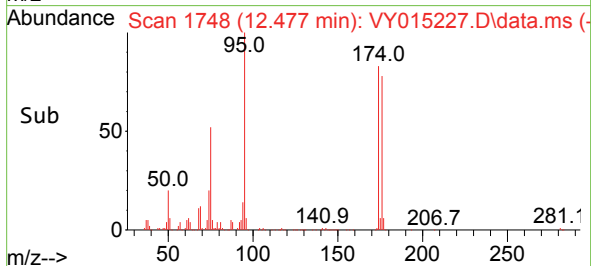
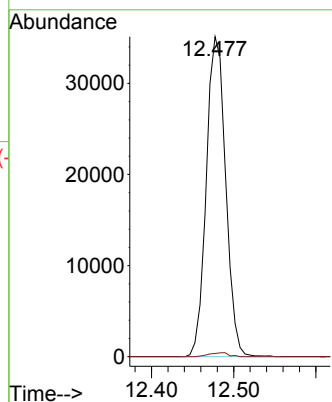
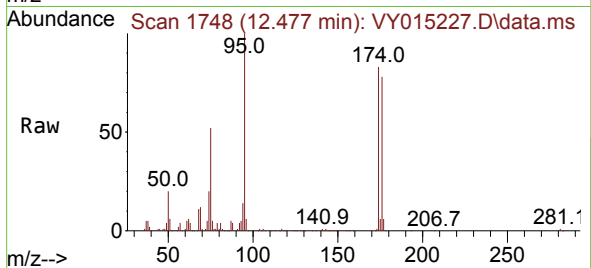
ClientSampleId :

Tgt Ion: 75 Resp: 57517

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 89.279 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.104 min

Lab File: VY015227.D

Acq: 21 Aug 2023 18:56

Tgt Ion: 75 Resp: 57517

Ion Ratio Lower Upper

75 100

53 0.0 77.8 116.8#

89 0.0 37.4 56.0#

