

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY083123\
 Data File : VY015401.D
 Acq On : 31 Aug 2023 14:15
 Operator : SY/MD
 Sample : 04243-01
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 01 00:46:46 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)

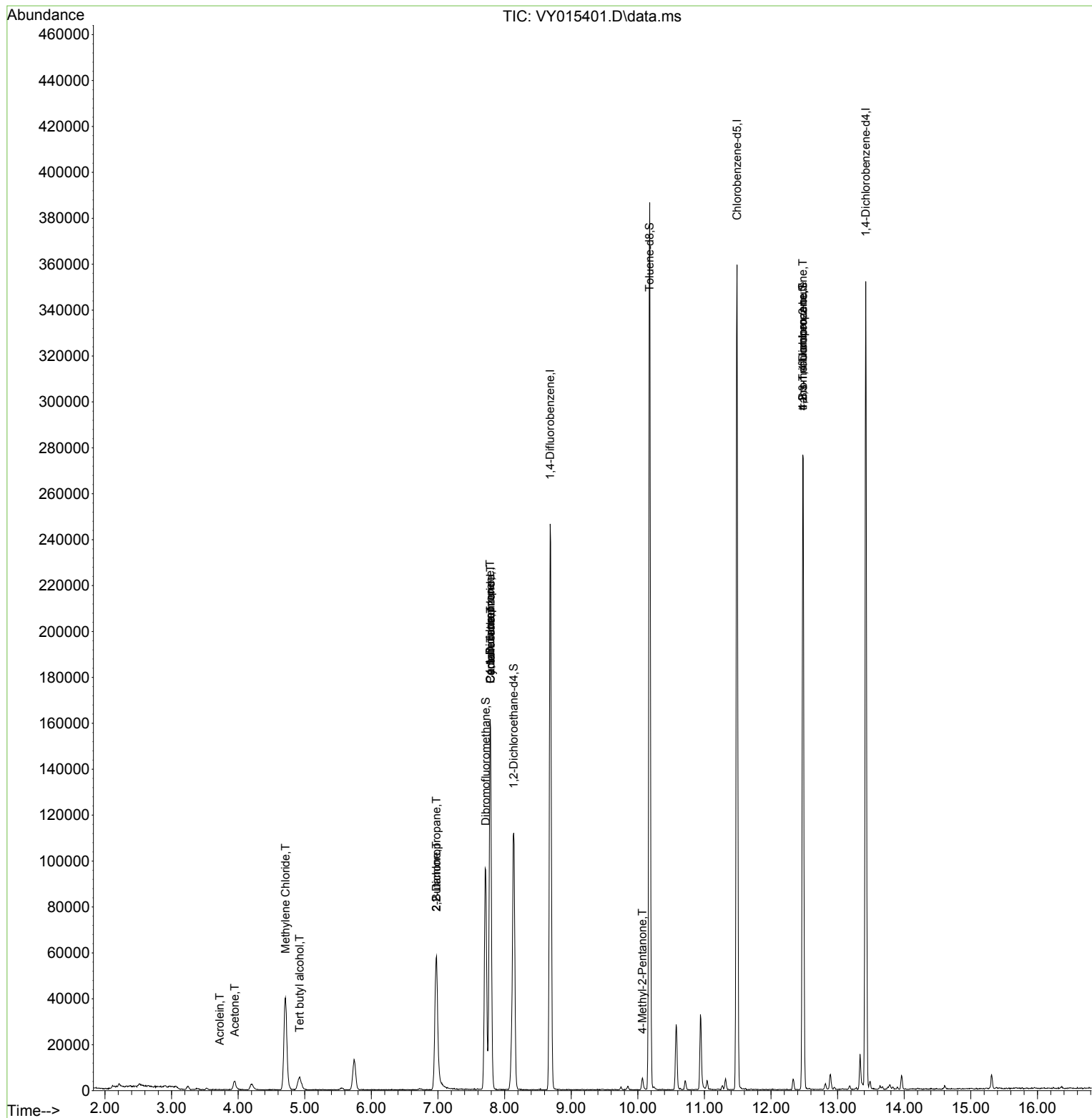
Internal Standards						
1) Pentafluorobenzene	7.789	168	125677	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	212958	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	192712	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	87935	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	82577	61.293	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 122.580%			
35) Dibromofluoromethane	7.716	113	68032	55.464	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 110.920%			
50) Toluene-d8	10.179	98	249455	56.159	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 112.320%			
62) 4-Bromofluorobenzene	12.477	95	82091	49.782	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 99.560%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.924	59	6388	5.003	ug/l #	90
13) Acrolein	3.723	56	25	11.709	ug/l #	14
16) Acetone	3.948	43	6914	12.295	ug/l	95
20) Methylene Chloride	4.710	84	30816	12.092	ug/l	92
25) 2-Butanone	6.978	43	3702	4.642	ug/l #	80
26) 2,2-Dichloropropane	6.978	77	4650	2.177	ug/l #	54
31) Cyclohexane	7.789	56	2725	1.139	ug/l #	9
36) 1,1-Dichloropropene	7.783	75	9562	4.440	ug/l #	51
38) Carbon Tetrachloride	7.789	117	12422	5.584	ug/l #	17
51) 4-Methyl-2-Pentanone	10.069	43	3733	2.236	ug/l	97
76) 1,2,3-Trichloropropane	12.477	75	44189	37.894	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	44189	83.591	ug/l #	11

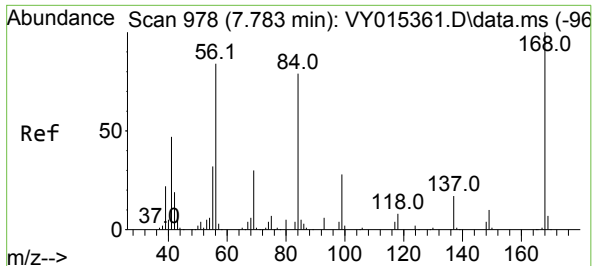
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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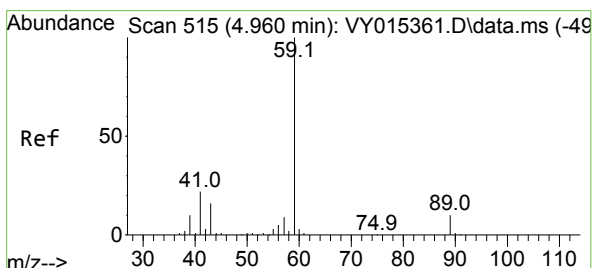
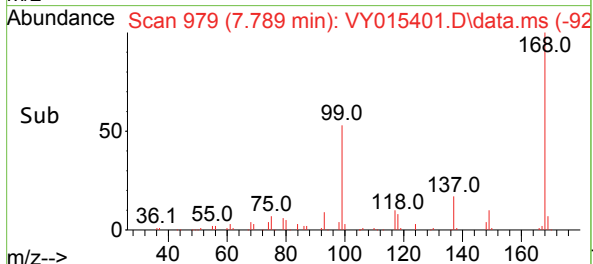
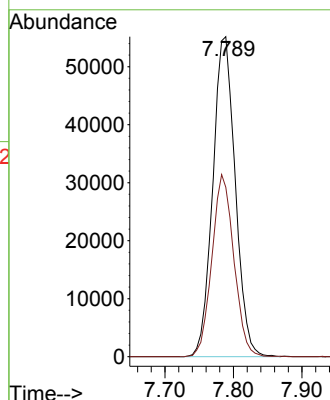
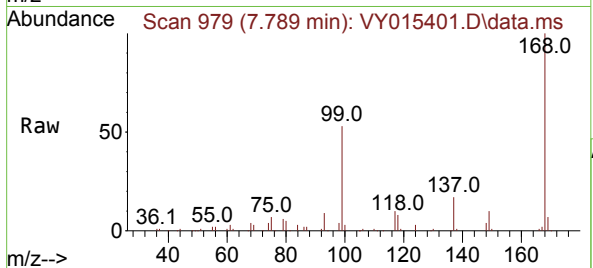




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015401.D
Acq: 31 Aug 2023 14:15

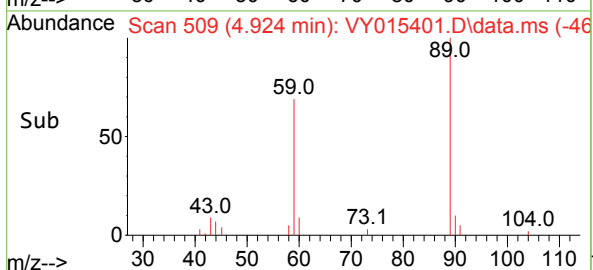
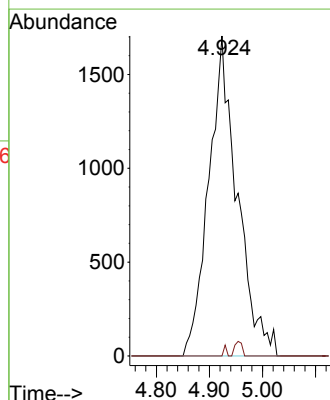
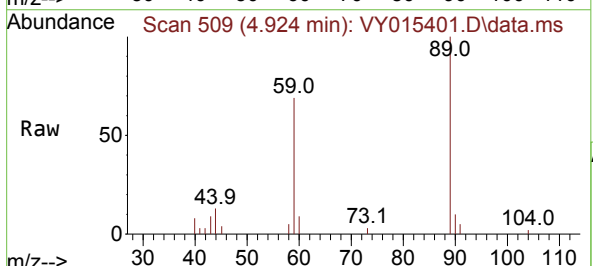
Instrument :
MSVOA_Y
ClientSampleId :

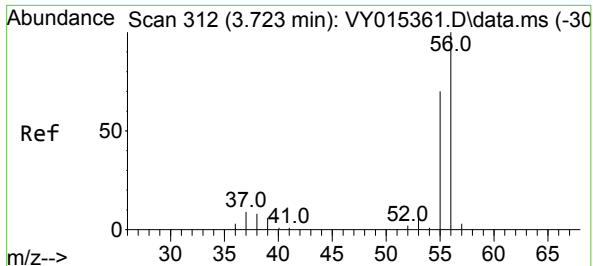
Tgt Ion:168 Resp: 125677
Ion Ratio Lower Upper
168 100
99 52.9 43.4 65.0



#11
Tert butyl alcohol
Concen: 5.003 ug/l
RT: 4.924 min Scan# 509
Delta R.T. -0.030 min
Lab File: VY015401.D
Acq: 31 Aug 2023 14:15

Tgt Ion: 59 Resp: 6388
Ion Ratio Lower Upper
59 100
57 0.3 3.0 4.4#

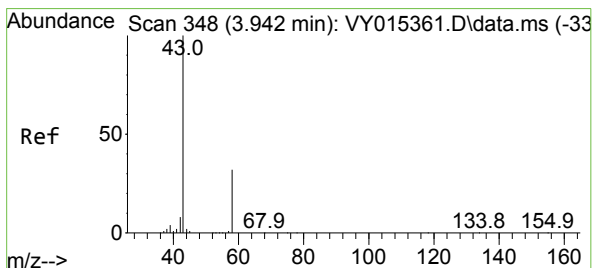
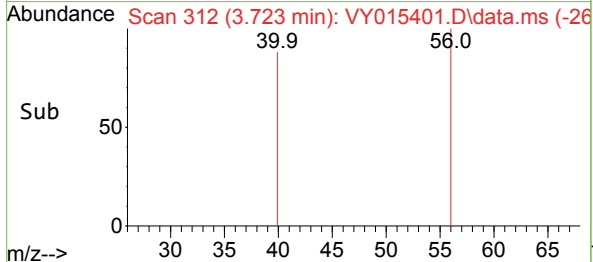
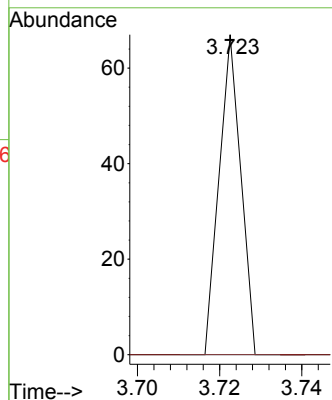
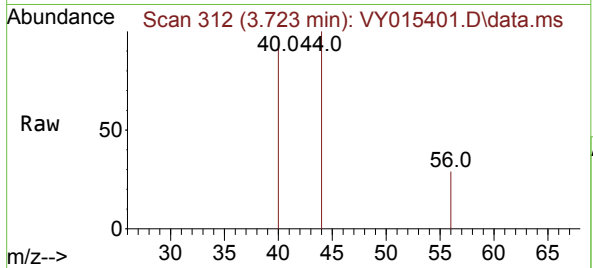




#13
Acrolein
Concen: 11.709 ug/l
RT: 3.723 min Scan# 312
Delta R.T. -0.000 min
Lab File: VY015401.D
Acq: 31 Aug 2023 14:15

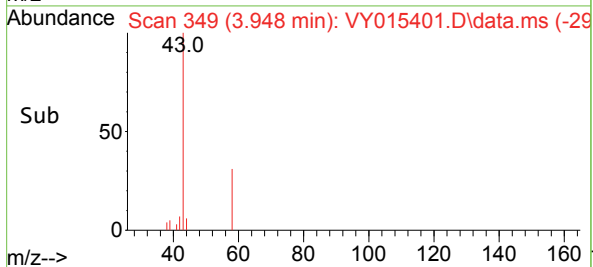
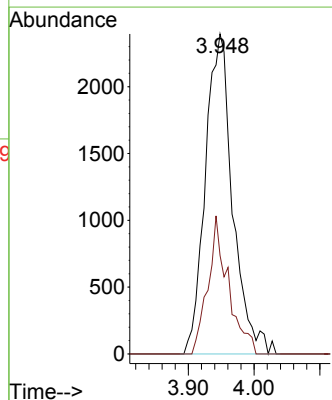
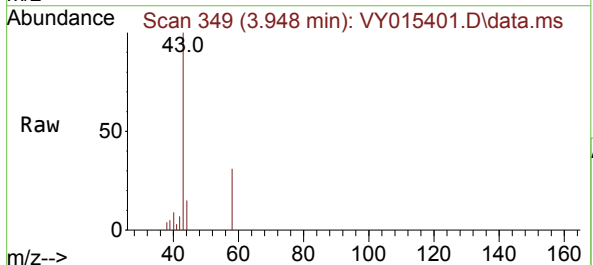
Instrument :
MSVOA_Y
ClientSampleId :

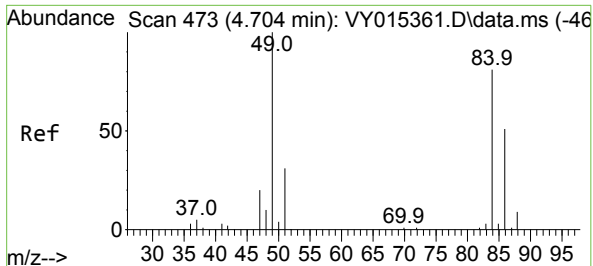
Tgt Ion: 56 Resp: 25
Ion Ratio Lower Upper
56 100
55 0.0 57.0 85.4#



#16
Acetone
Concen: 12.295 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY015401.D
Acq: 31 Aug 2023 14:15

Tgt Ion: 43 Resp: 6914
Ion Ratio Lower Upper
43 100
58 30.8 22.7 34.1

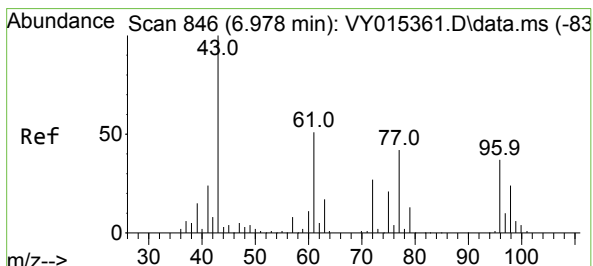
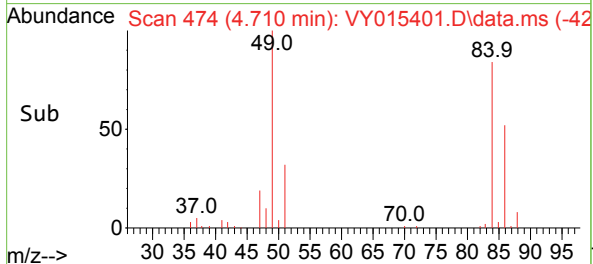
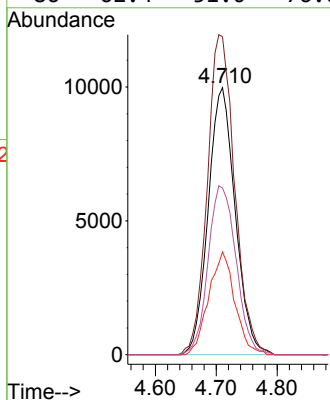
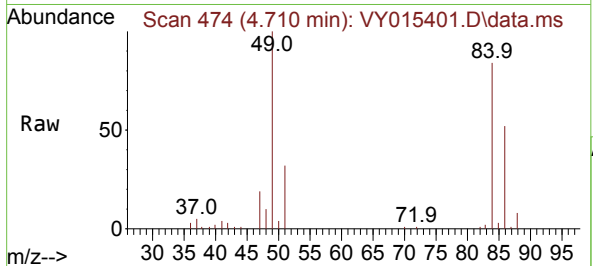




#20
Methylene Chloride
Concen: 12.092 ug/l
RT: 4.710 min Scan# 473
Delta R.T. 0.006 min
Lab File: VY015401.D
Acq: 31 Aug 2023 14:15

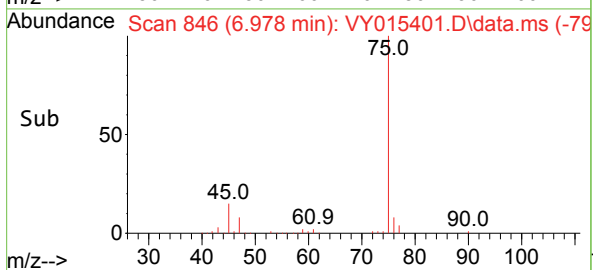
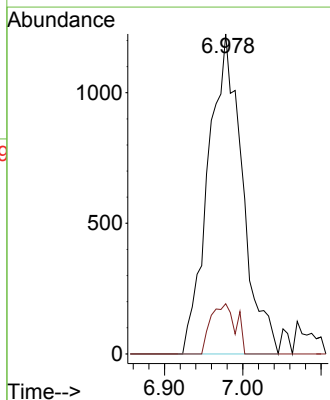
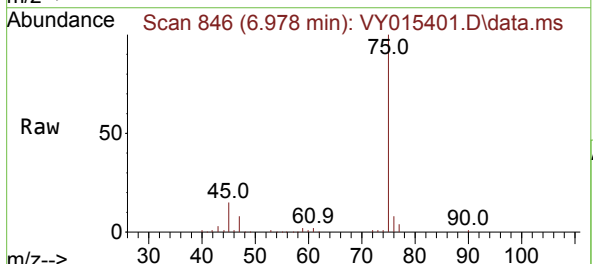
Instrument :
MSVOA_Y
ClientSampleId :

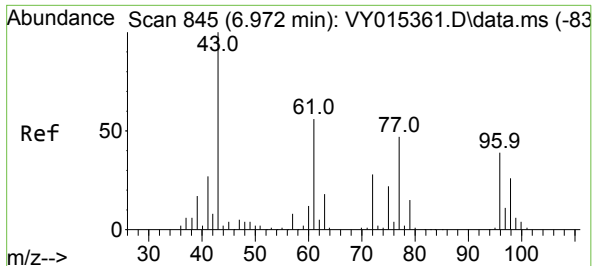
Tgt Ion: 84 Resp: 30816
Ion Ratio Lower Upper
84 100
49 119.0 106.9 160.3
51 38.4 33.2 49.8
86 62.4 51.0 76.6



#25
2-Butanone
Concen: 4.642 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.000 min
Lab File: VY015401.D
Acq: 31 Aug 2023 14:15

Tgt Ion: 43 Resp: 3702
Ion Ratio Lower Upper
43 100
72 15.7 20.5 30.7#





#26

2,2-Dichloropropane

Concen: 2.177 ug/l

RT: 6.978 min Scan# 845

Delta R.T. 0.006 min

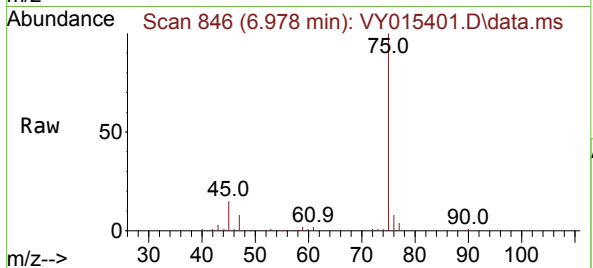
Lab File: VY015401.D

Acq: 31 Aug 2023 14:15

Instrument :

MSVOA_Y

ClientSampleId :

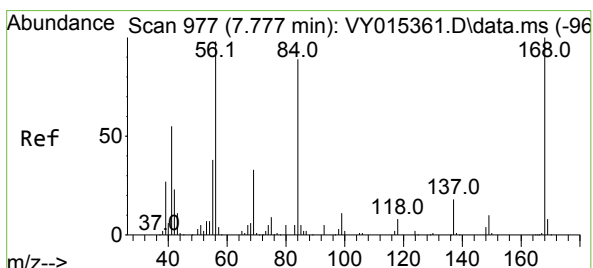
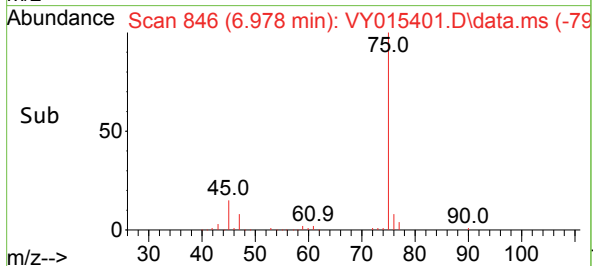
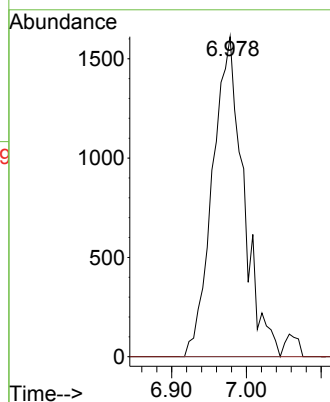


Tgt Ion: 77 Resp: 4650

Ion Ratio Lower Upper

77 100

97 0.0 10.9 32.9#



#31

Cyclohexane

Concen: 1.139 ug/l

RT: 7.789 min Scan# 979

Delta R.T. 0.006 min

Lab File: VY015401.D

Acq: 31 Aug 2023 14:15

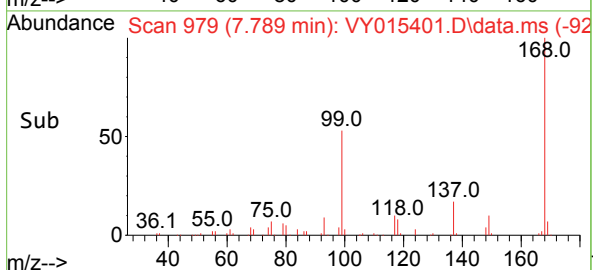
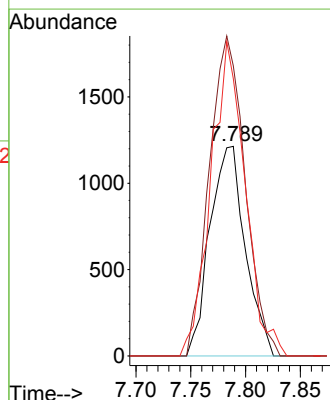
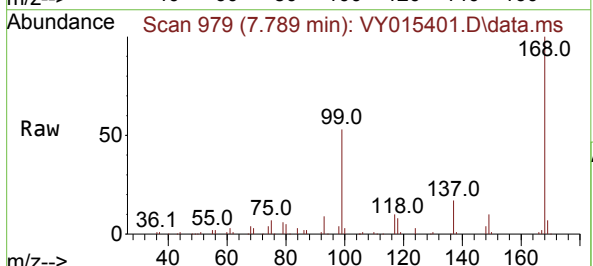
Tgt Ion: 56 Resp: 2725

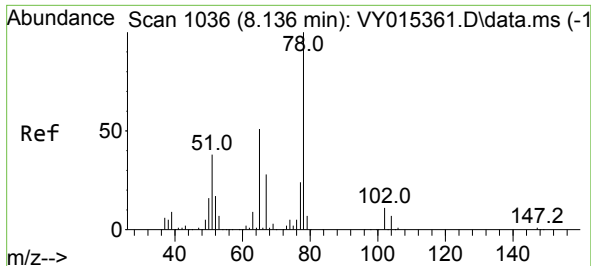
Ion Ratio Lower Upper

56 100

69 138.4 27.8 41.6#

84 132.3 66.4 99.6#

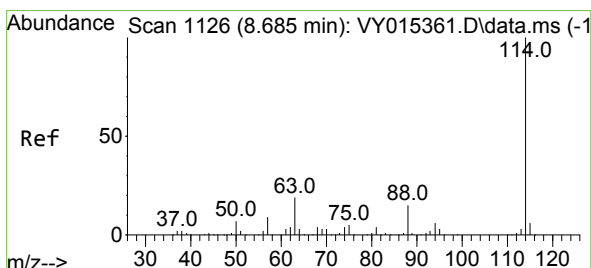
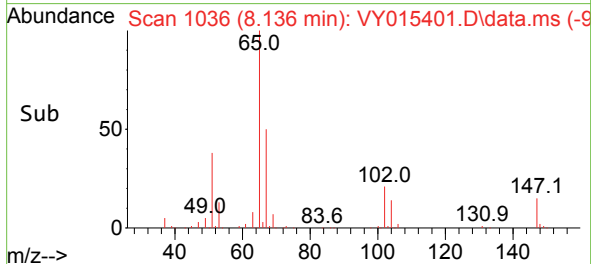
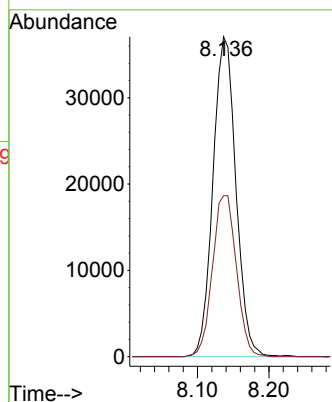
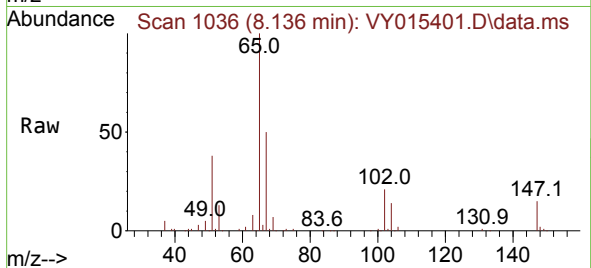




#33
 1,2-Dichloroethane-d4
 Concen: 61.293 ug/l
 RT: 8.136 min Scan# 1036
 Delta R.T. -0.000 min
 Lab File: VY015401.D
 Acq: 31 Aug 2023 14:15

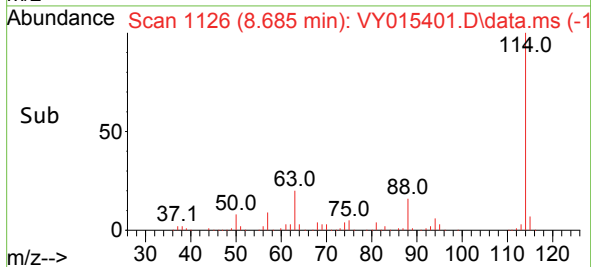
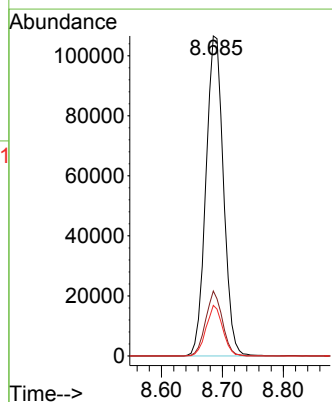
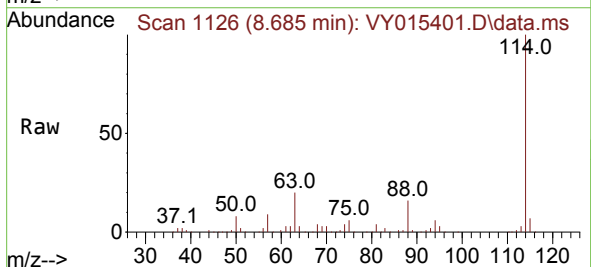
Instrument :
 MSVOA_Y
 ClientSampleId :

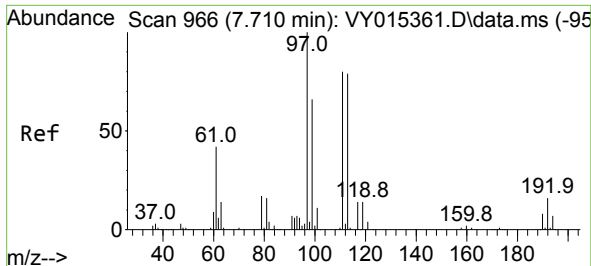
Tgt Ion: 65 Resp: 82577
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.685 min Scan# 1126
 Delta R.T. -0.000 min
 Lab File: VY015401.D
 Acq: 31 Aug 2023 14:15

Tgt Ion:114 Resp: 212958
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 42.4
 88 15.8 0.0 30.6

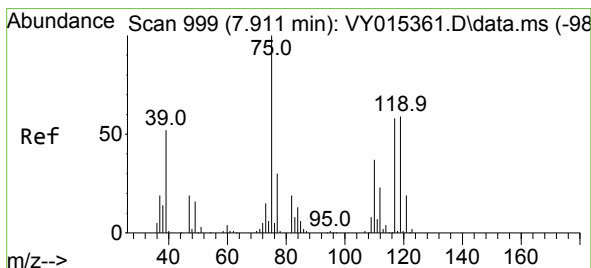
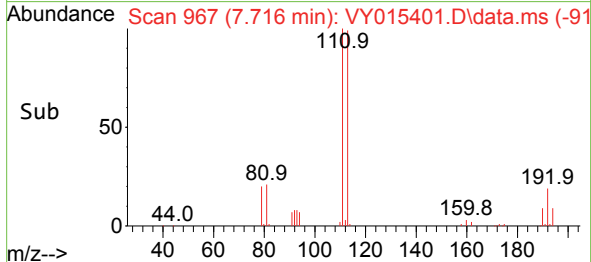
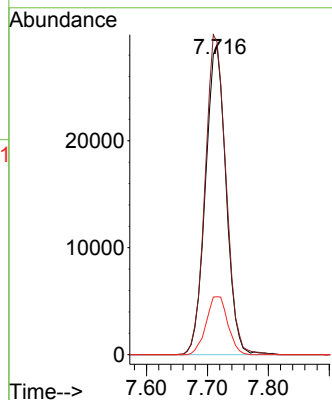
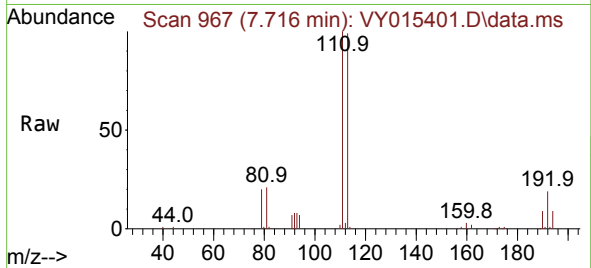




#35
Dibromofluoromethane
Concen: 55.464 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY015401.D
Acq: 31 Aug 2023 14:15

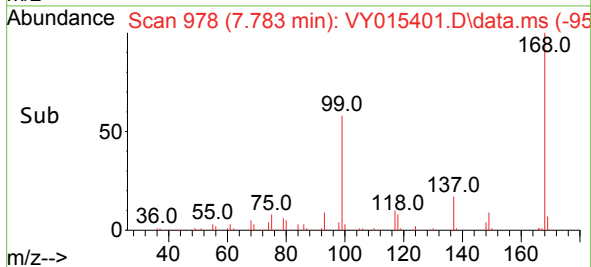
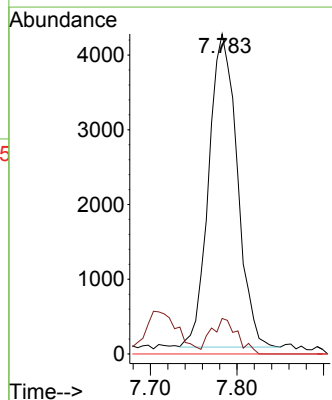
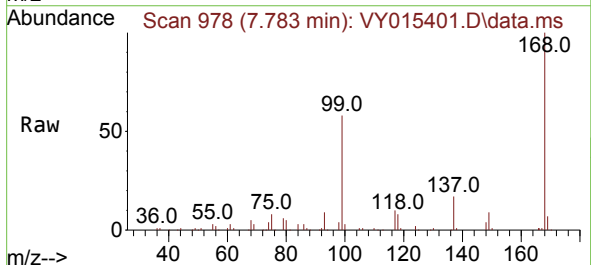
Instrument :
MSVOA_Y
ClientSampleId :

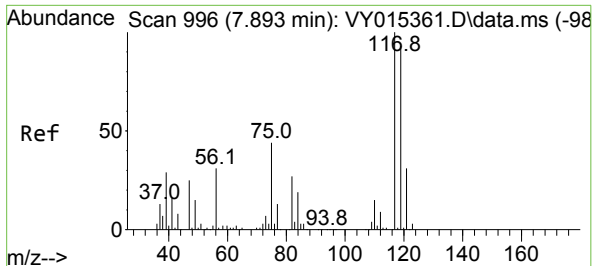
Tgt Ion:113 Resp: 68032
Ion Ratio Lower Upper
113 100
111 104.6 81.3 121.9
192 19.6 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.440 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY015401.D
Acq: 31 Aug 2023 14:15

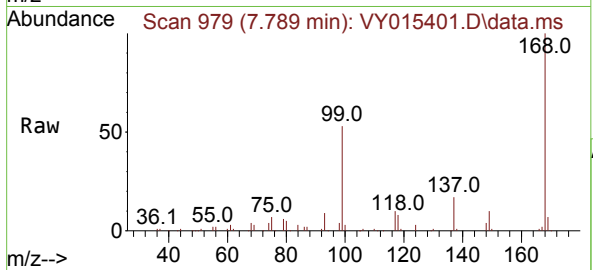
Tgt Ion: 75 Resp: 9562
Ion Ratio Lower Upper
75 100
110 10.3 17.8 53.5#
77 0.0 24.4 36.6#



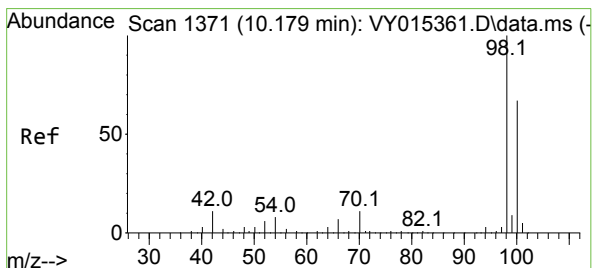
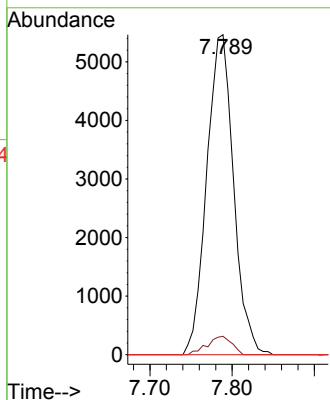
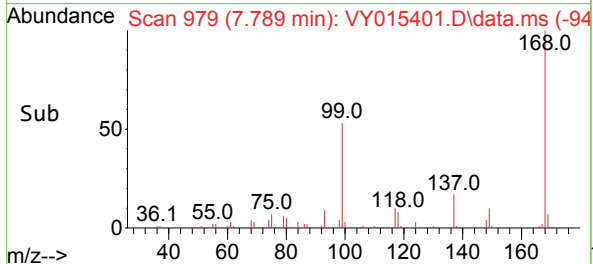


#38
Carbon Tetrachloride
Concen: 5.584 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY015401.D
Acq: 31 Aug 2023 14:15

Instrument :
MSVOA_Y
ClientSampleId :

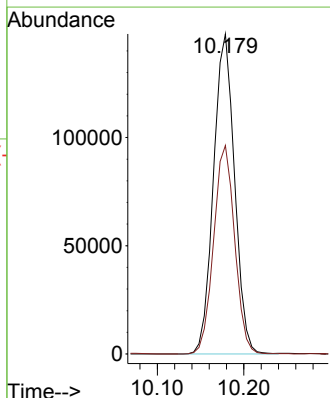
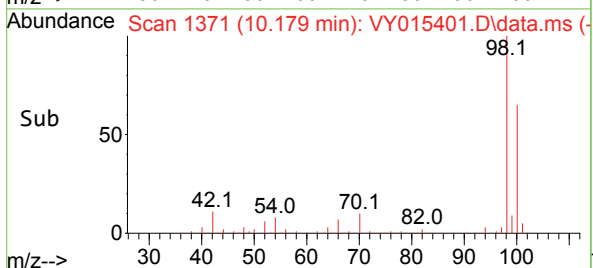
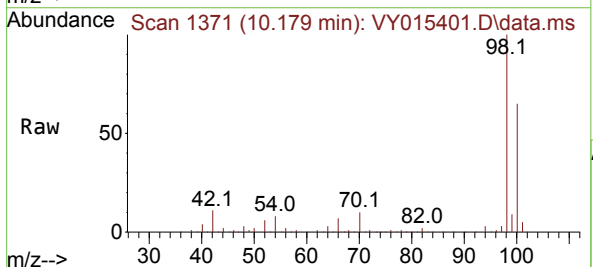


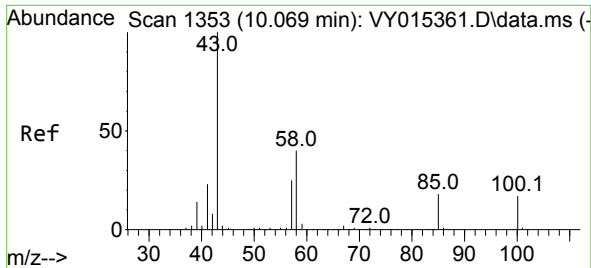
Tgt Ion:117 Resp: 12422
Ion Ratio Lower Upper
117 100
119 5.8 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 56.159 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY015401.D
Acq: 31 Aug 2023 14:15

Tgt Ion: 98 Resp: 249455
Ion Ratio Lower Upper
98 100
100 65.2 50.1 75.1

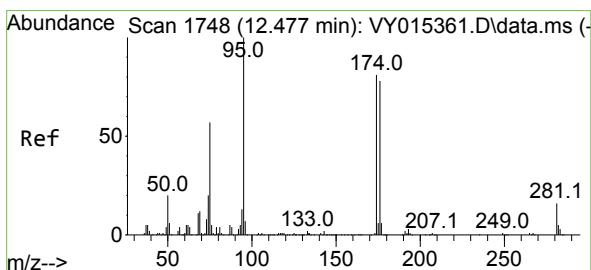
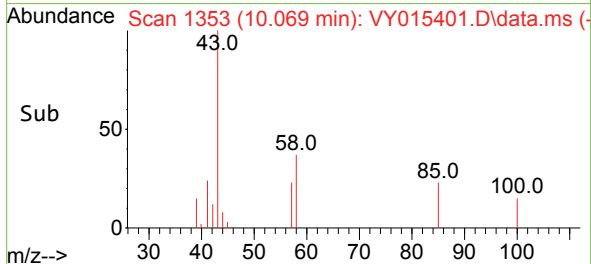
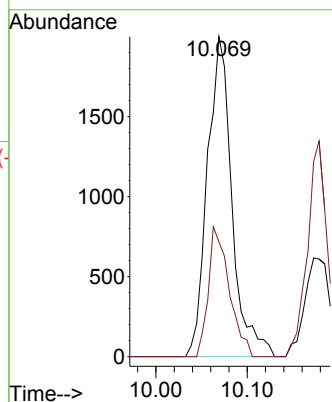
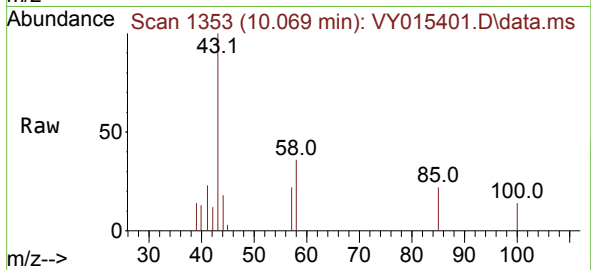




#51
4-Methyl-2-Pentanone
Concen: 2.236 ug/l
RT: 10.069 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY015401.D
Acq: 31 Aug 2023 14:15

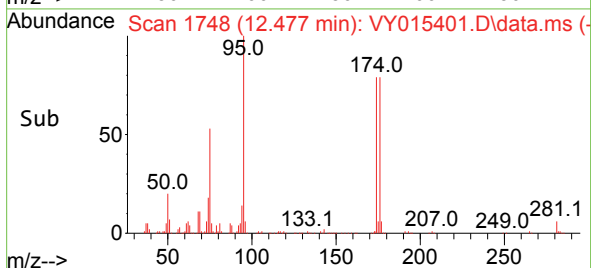
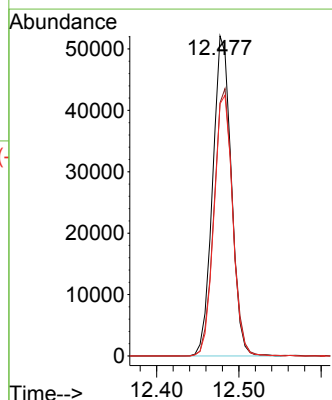
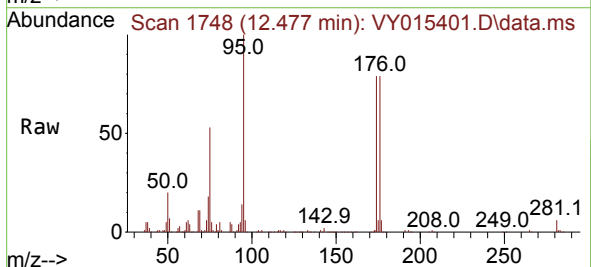
Instrument :
MSVOA_Y
ClientSampleId :

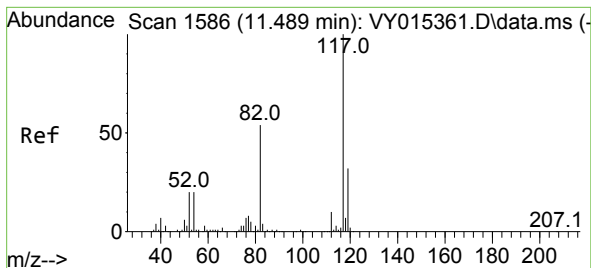
Tgt Ion: 43 Resp: 3733
Ion Ratio Lower Upper
43 100
58 34.3 29.0 43.6



#62
4-Bromofluorobenzene
Concen: 49.782 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY015401.D
Acq: 31 Aug 2023 14:15

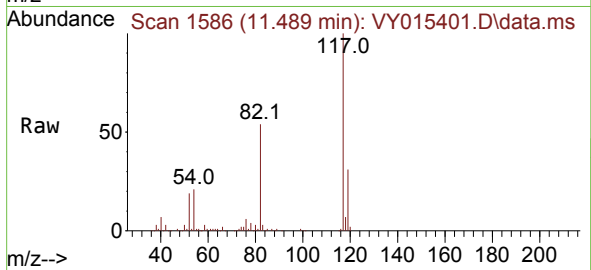
Tgt Ion: 95 Resp: 82091
Ion Ratio Lower Upper
95 100
174 84.1 0.0 178.2
176 81.8 0.0 173.8



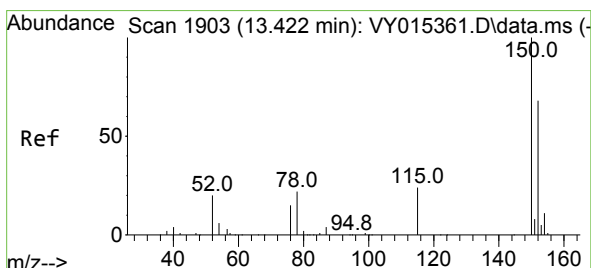
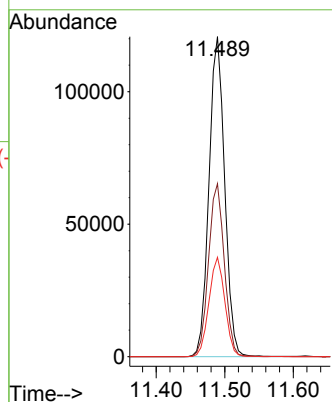
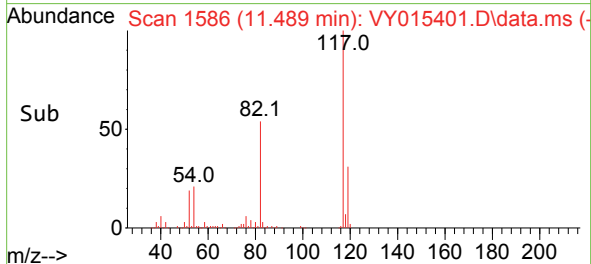


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY015401.D
Acq: 31 Aug 2023 14:15

Instrument :
MSVOA_Y
ClientSampleId :

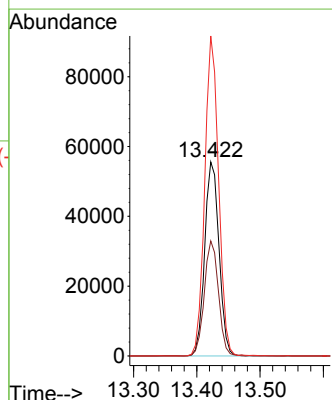
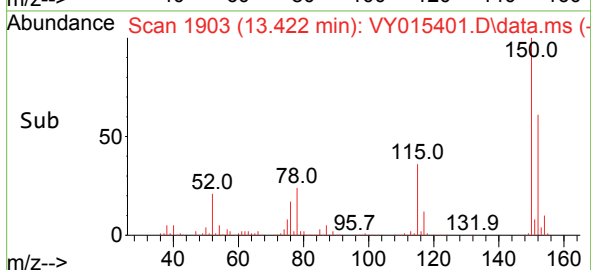
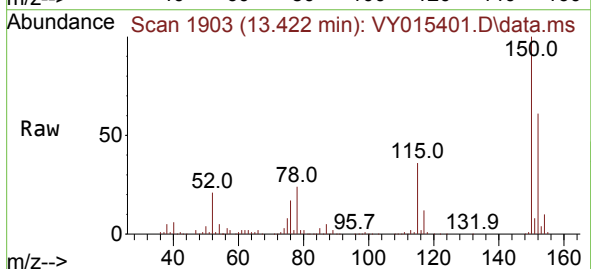


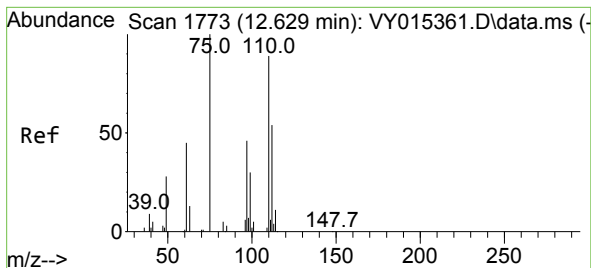
Tgt Ion:117 Resp: 192712
Ion Ratio Lower Upper
117 100
82 54.1 43.4 65.0
119 31.0 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY015401.D
Acq: 31 Aug 2023 14:15

Tgt Ion:152 Resp: 87935
Ion Ratio Lower Upper
152 100
115 58.4 28.8 86.5
150 159.1 0.0 348.8





#76

1,2,3-Trichloropropane

Concen: 37.894 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY015401.D

Acq: 31 Aug 2023 14:15

Instrument :

MSVOA_Y

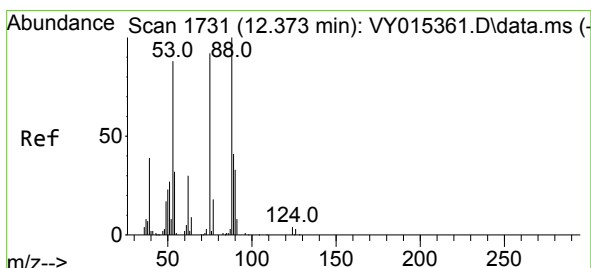
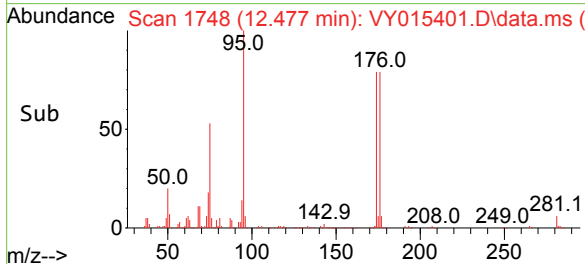
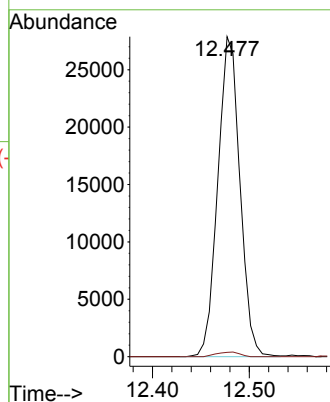
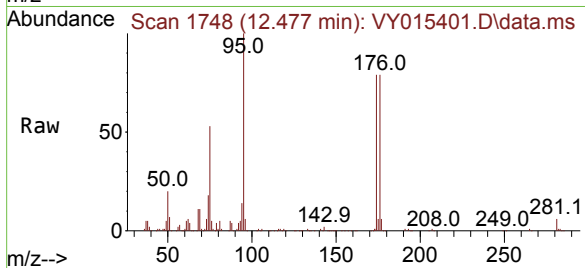
ClientSampleId :

Tgt Ion: 75 Resp: 44189

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 83.591 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.098 min

Lab File: VY015401.D

Acq: 31 Aug 2023 14:15

Tgt Ion: 75 Resp: 44189

Ion Ratio Lower Upper

75 100

53 0.0 77.8 116.8#

89 0.2 37.4 56.0#

