

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091523\
 Data File : VY015581.D
 Acq On : 15 Sep 2023 19:47
 Operator : SY/MD
 Sample : 04407-05
 Misc : 5.19g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 15 23:01:07 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)

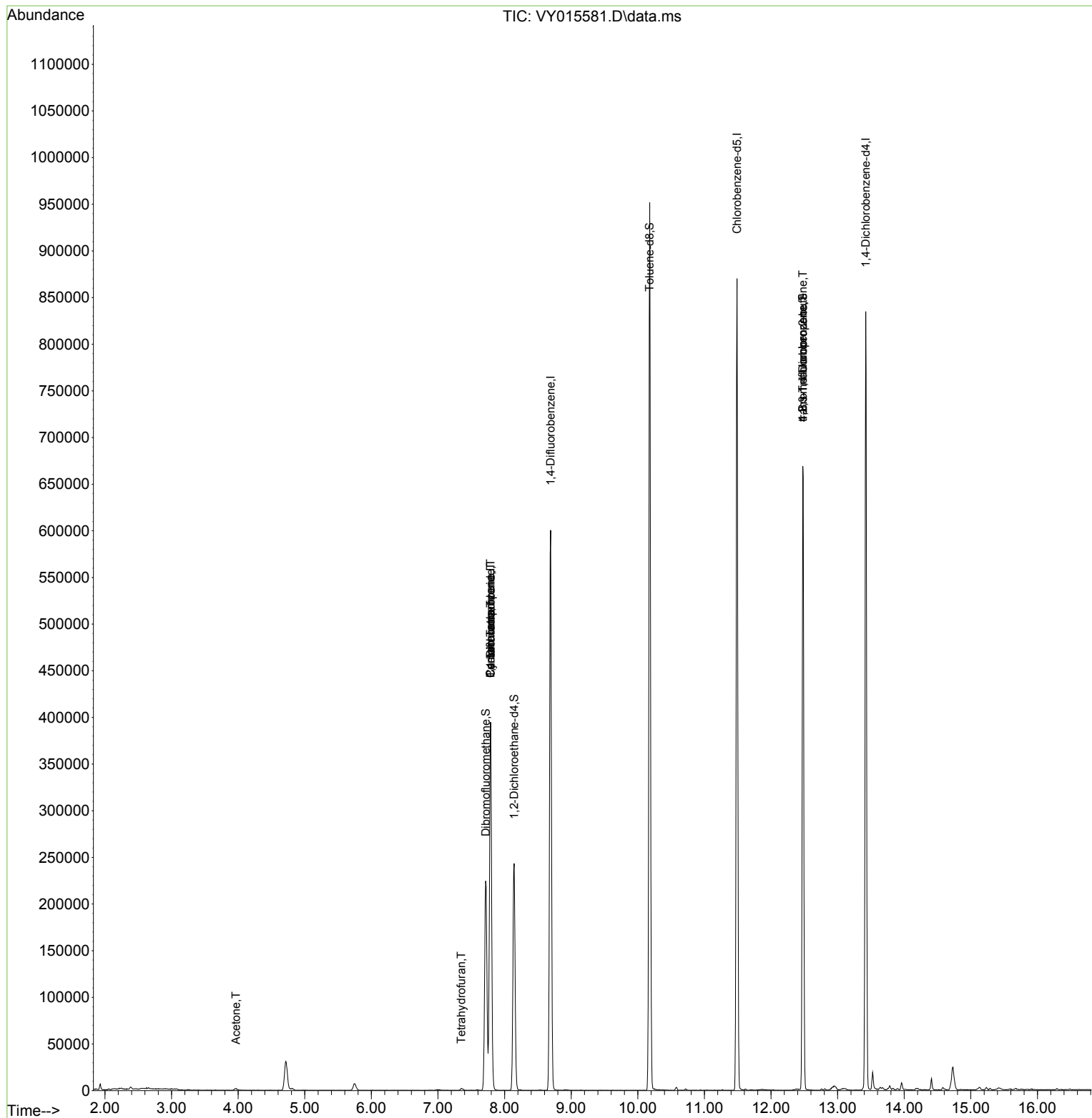
Internal Standards						
1) Pentafluorobenzene	7.789	168	303005	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	516069	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	466551	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	212914	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	190022	58.501	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	117.000%
35) Dibromofluoromethane	7.716	113	162133	54.545	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	109.100%
50) Toluene-d8	10.179	98	605748	56.274	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	112.540%
62) 4-Bromofluorobenzene	12.477	95	203374	50.893	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	101.780%
Target Compounds						
11) Tert butyl alcohol	4.972	59	106	Below Cal	#	89
16) Acetone	3.966	43	3830	2.825	ug/l	91
20) Methylene Chloride	4.716	84	23887	Below Cal		98
29) Tetrahydrofuran	7.350	42	1565	1.296	ug/l	96
31) Cyclohexane	7.789	56	6070	1.052	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	23468	4.496	ug/l #	50
38) Carbon Tetrachloride	7.789	117	30093	5.583	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	108582	38.457	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	108582	84.832	ug/l #	11

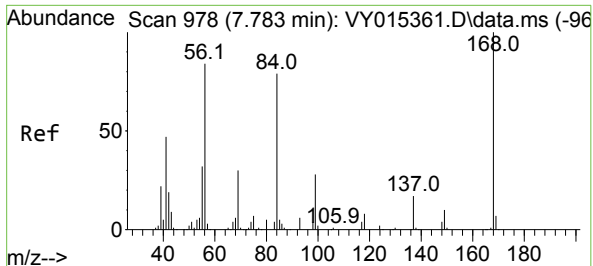
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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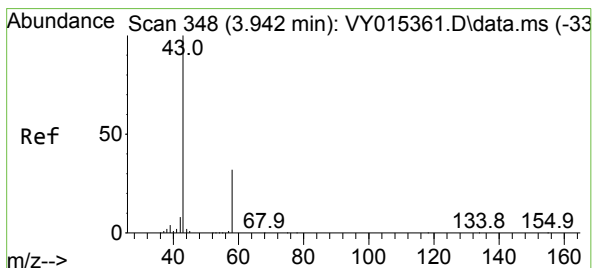
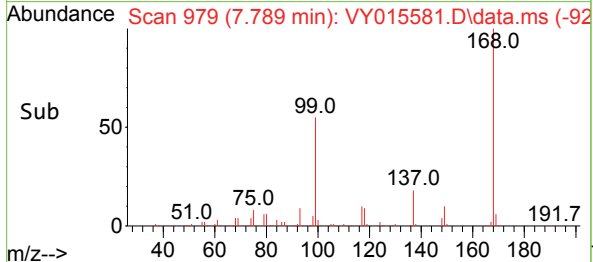
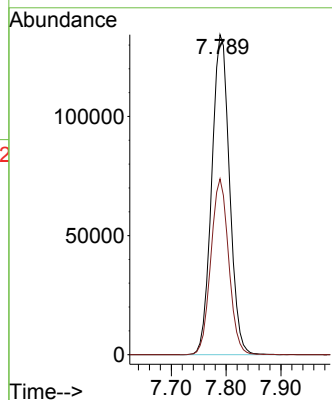
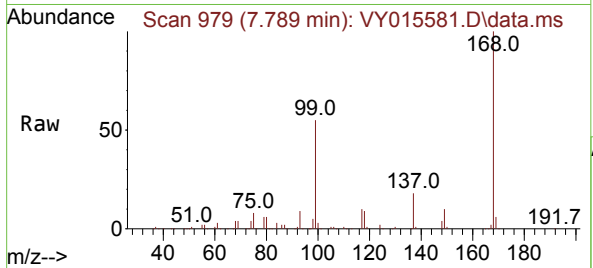




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015581.D
Acq: 15 Sep 2023 19:47

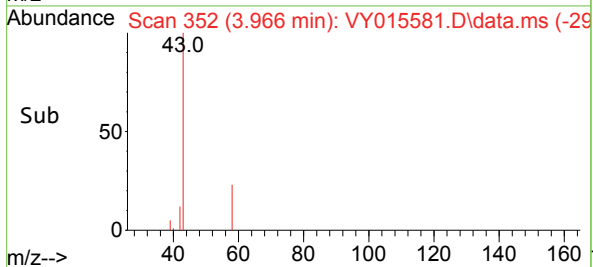
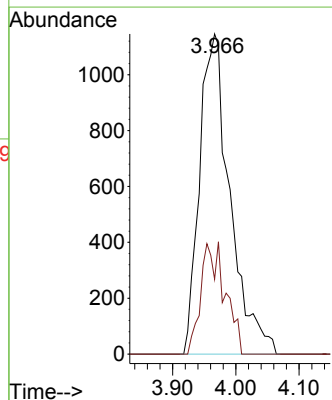
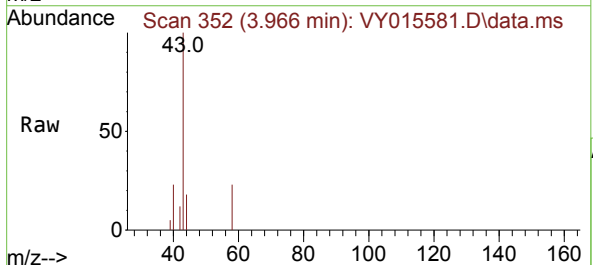
Instrument :
MSVOA_Y
ClientSampleId :

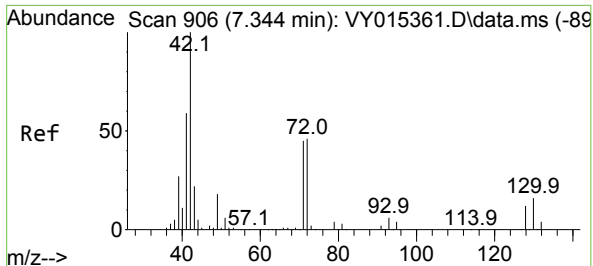
Tgt Ion:168 Resp: 303005
Ion Ratio Lower Upper
168 100
99 54.9 43.4 65.0



#16
Acetone
Concen: 2.825 ug/l
RT: 3.966 min Scan# 352
Delta R.T. 0.024 min
Lab File: VY015581.D
Acq: 15 Sep 2023 19:47

Tgt Ion: 43 Resp: 3830
Ion Ratio Lower Upper
43 100
58 23.4 22.7 34.1





#29

Tetrahydrofuran

Concen: 1.296 ug/l

RT: 7.350 min Scan# 906

Delta R.T. 0.006 min

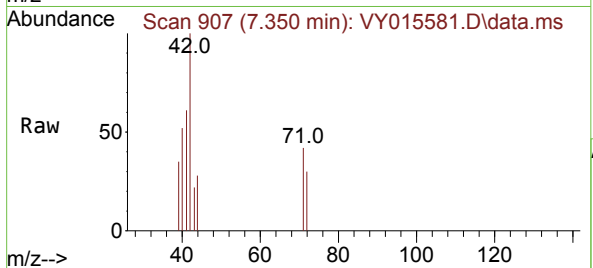
Lab File: VY015581.D

Acq: 15 Sep 2023 19:47

Instrument :

MSVOA_Y

ClientSampleId :



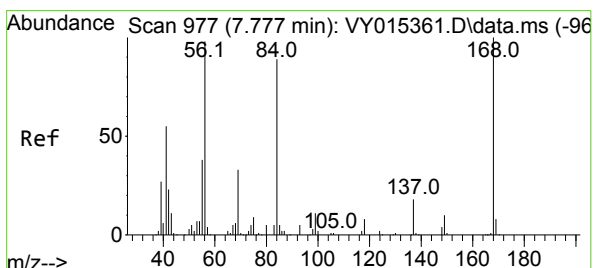
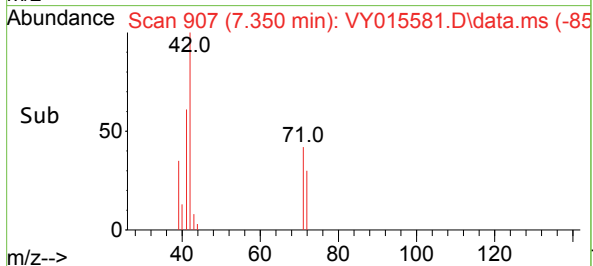
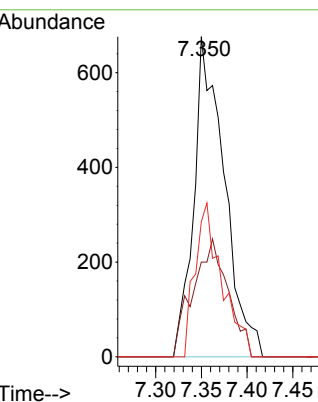
Tgt Ion: 42 Resp: 1565

Ion Ratio Lower Upper

42 100

72 42.4 32.8 49.2

71 42.4 31.0 46.4



#31

Cyclohexane

Concen: 1.052 ug/l

RT: 7.789 min Scan# 979

Delta R.T. 0.006 min

Lab File: VY015581.D

Acq: 15 Sep 2023 19:47

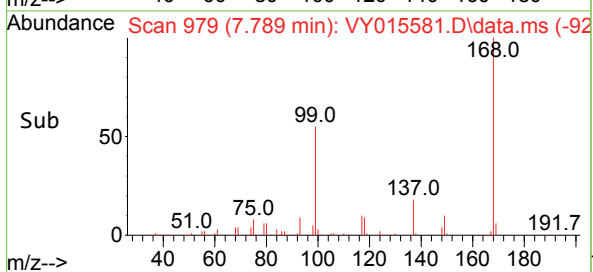
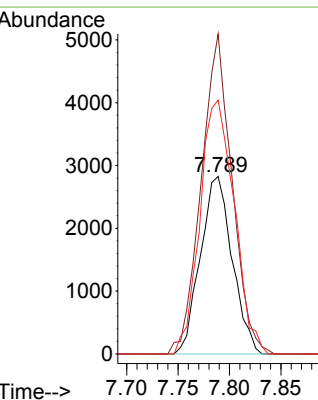
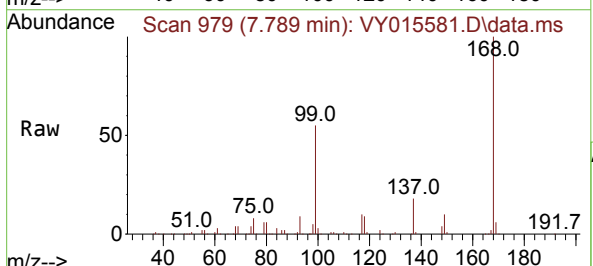
Tgt Ion: 56 Resp: 6070

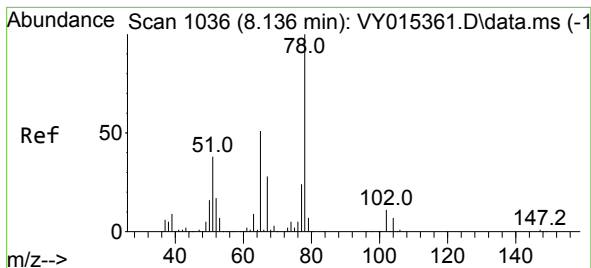
Ion Ratio Lower Upper

56 100

69 180.4 27.8 41.6#

84 143.2 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 58.501 ug/l

RT: 8.142 min Scan# 110

Delta R.T. 0.006 min

Lab File: VY015581.D

Acq: 15 Sep 2023 19:47

Instrument :

MSVOA_Y

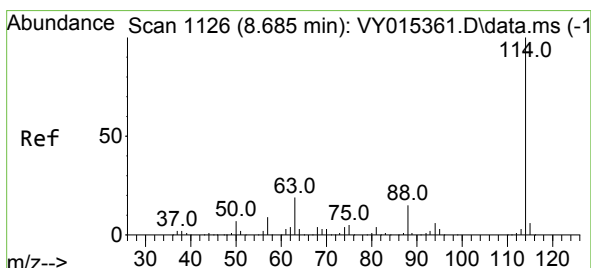
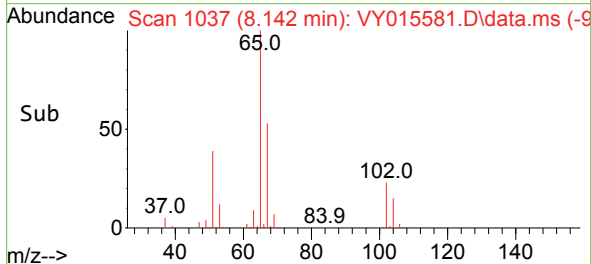
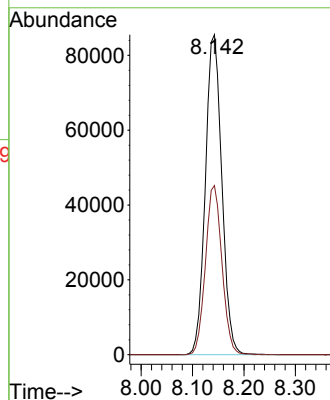
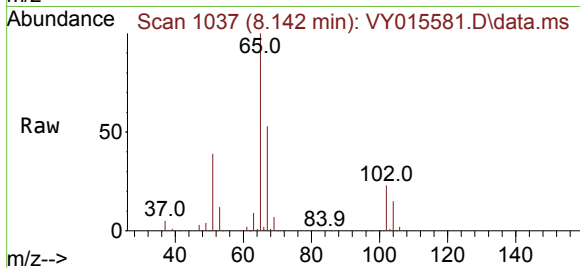
ClientSampleId :

Tgt Ion: 65 Resp: 190022

Ion Ratio Lower Upper

65 100

67 52.9 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY015581.D

Acq: 15 Sep 2023 19:47

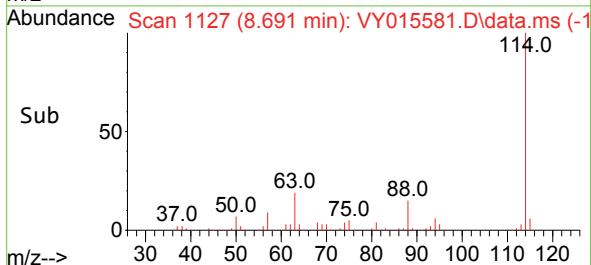
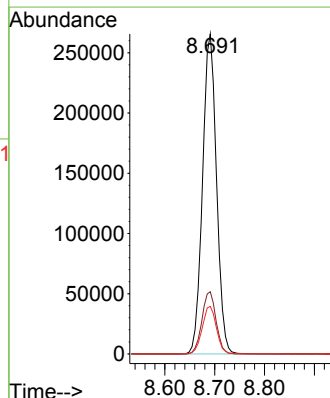
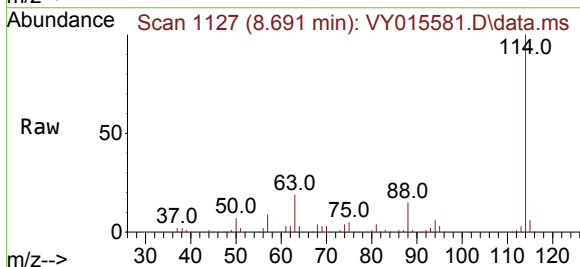
Tgt Ion: 114 Resp: 516069

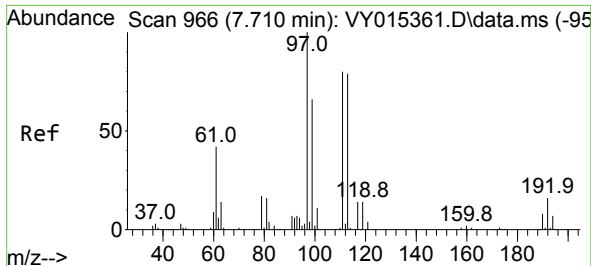
Ion Ratio Lower Upper

114 100

63 19.4 0.0 42.4

88 14.8 0.0 30.6

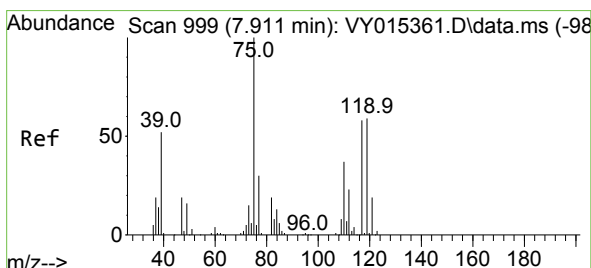
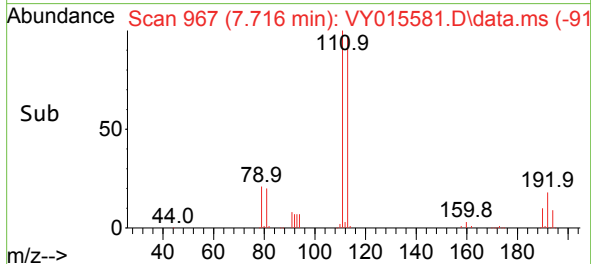
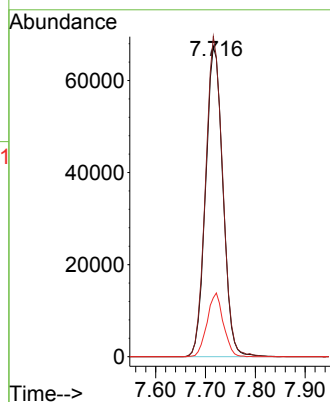
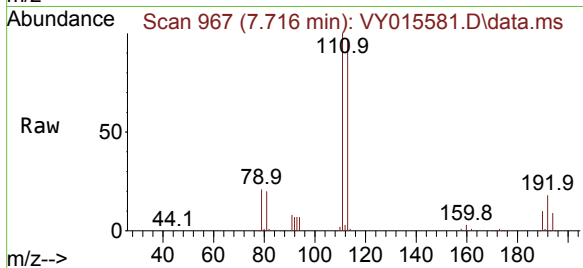




#35
Dibromofluoromethane
Concen: 54.545 ug/l
RT: 7.716 min Scan# 910
Delta R.T. -0.000 min
Lab File: VY015581.D
Acq: 15 Sep 2023 19:47

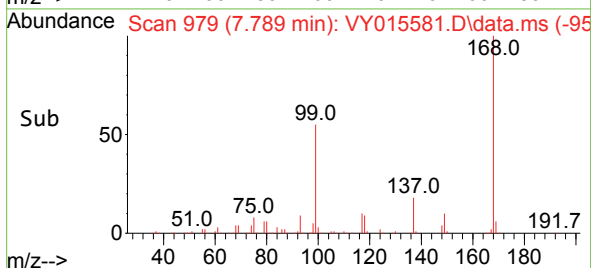
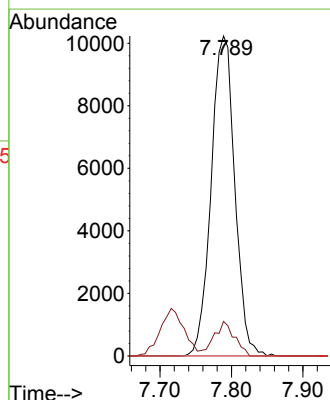
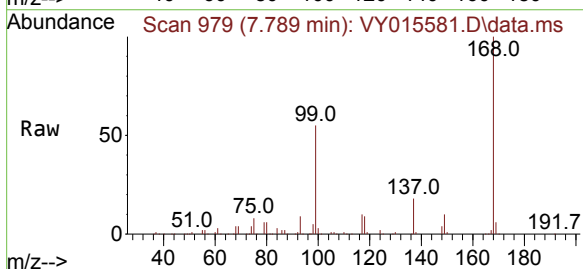
Instrument :
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ClientSampleId :

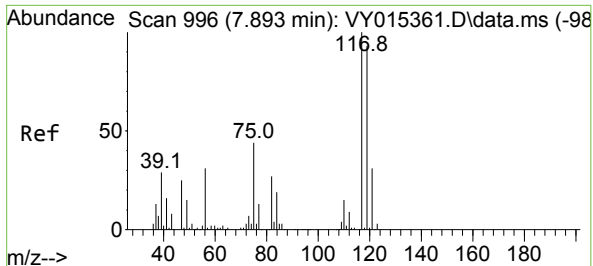
Tgt Ion:113 Resp: 162133
Ion Ratio Lower Upper
113 100
111 102.4 81.3 121.9
192 19.3 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.496 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.122 min
Lab File: VY015581.D
Acq: 15 Sep 2023 19:47

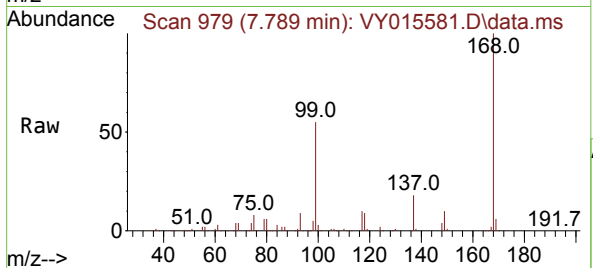
Tgt Ion: 75 Resp: 23468
Ion Ratio Lower Upper
75 100
110 9.2 17.8 53.5#
77 0.0 24.4 36.6#



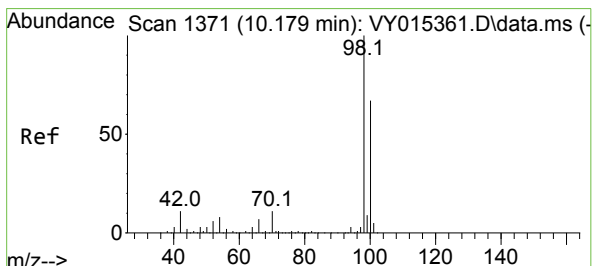
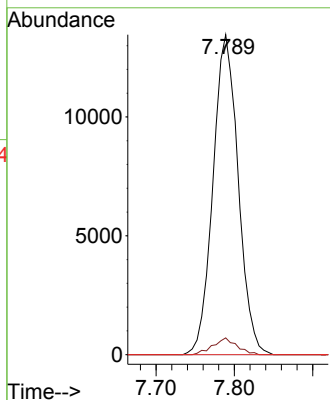
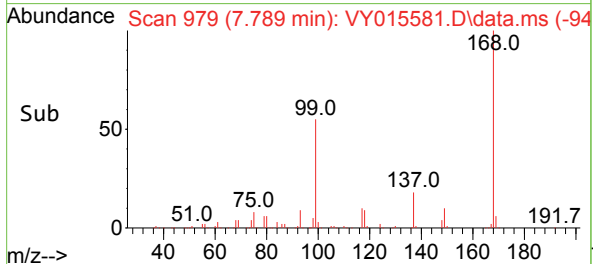


#38
Carbon Tetrachloride
Concen: 5.583 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY015581.D
Acq: 15 Sep 2023 19:47

Instrument :
MSVOA_Y
ClientSampleId :

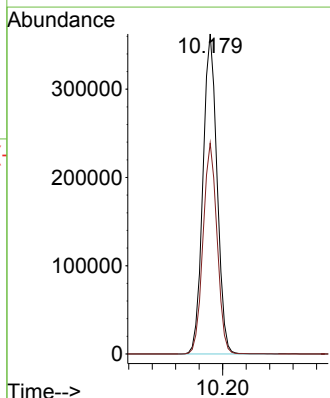
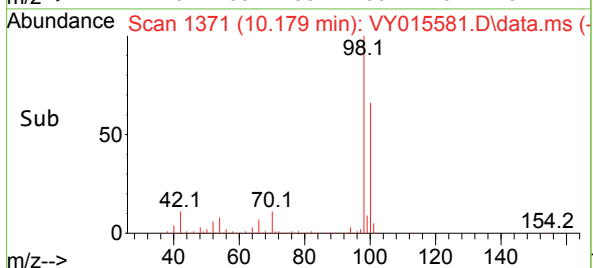
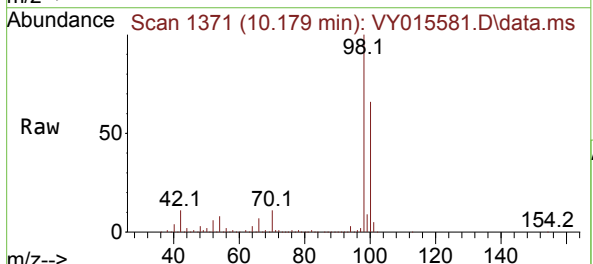


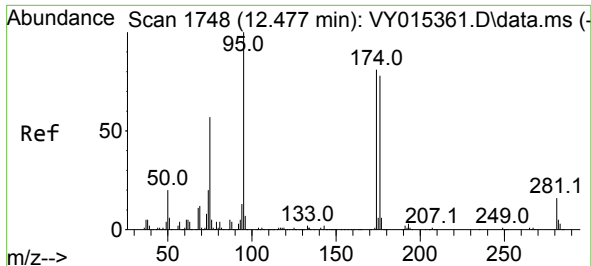
Tgt Ion:117 Resp: 30093
Ion Ratio Lower Upper
117 100
119 5.3 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 56.274 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY015581.D
Acq: 15 Sep 2023 19:47

Tgt Ion: 98 Resp: 605748
Ion Ratio Lower Upper
98 100
100 65.4 50.1 75.1

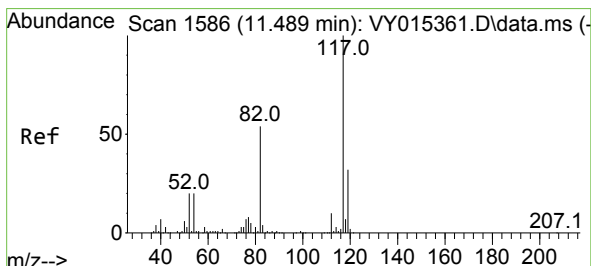
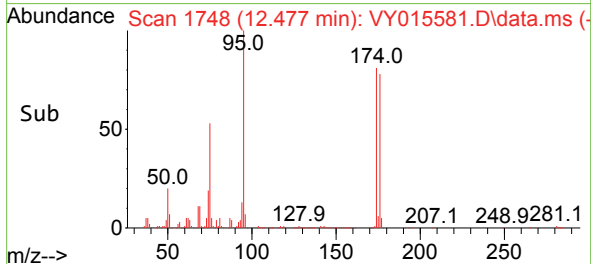
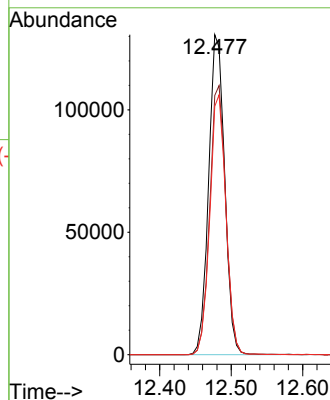
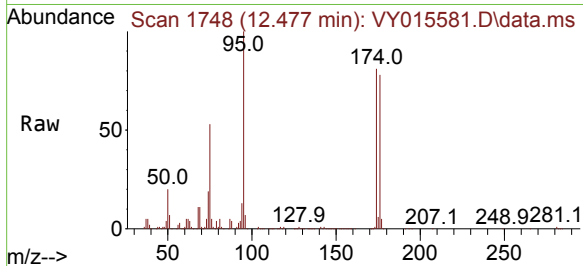




#62
4-Bromofluorobenzene
Concen: 50.893 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY015581.D
Acq: 15 Sep 2023 19:47

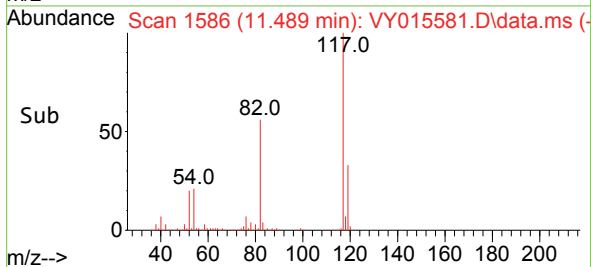
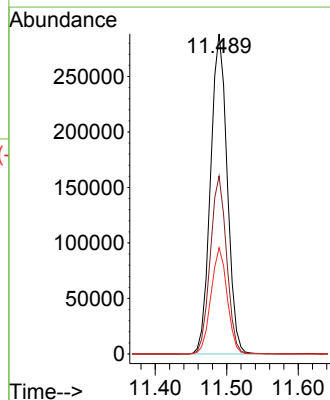
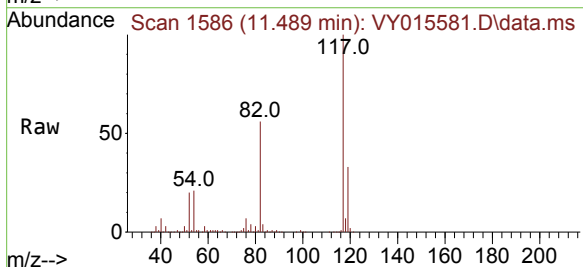
Instrument :
MSVOA_Y
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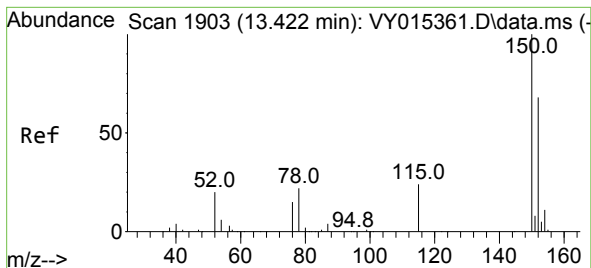
Tgt Ion: 95 Resp: 203374
Ion Ratio Lower Upper
95 100
174 84.8 0.0 178.2
176 81.7 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY015581.D
Acq: 15 Sep 2023 19:47

Tgt Ion: 117 Resp: 466551
Ion Ratio Lower Upper
117 100
82 55.6 43.4 65.0
119 33.2 26.3 39.5

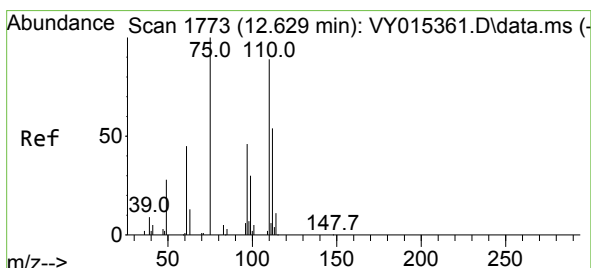
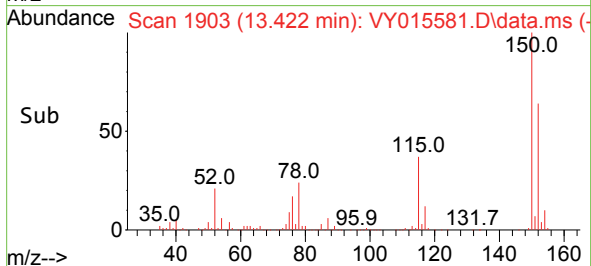
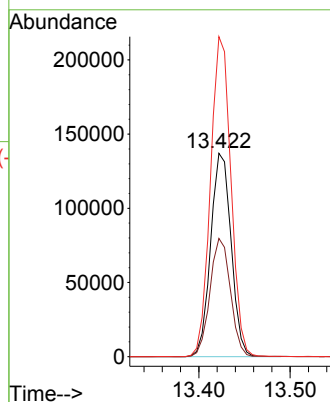
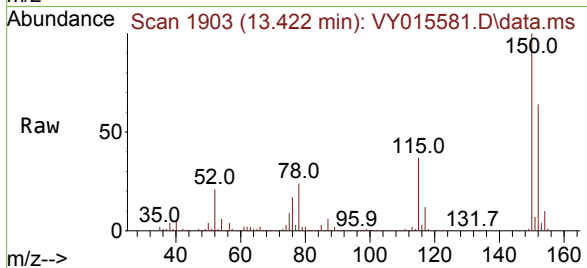




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. -0.000 min
 Lab File: VY015581.D
 Acq: 15 Sep 2023 19:47

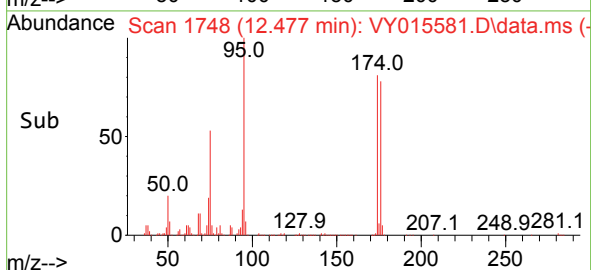
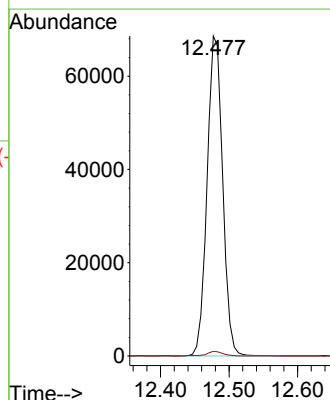
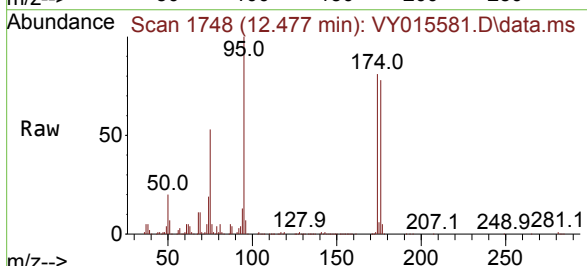
Instrument :
 MSVOA_Y
 ClientSampleId :

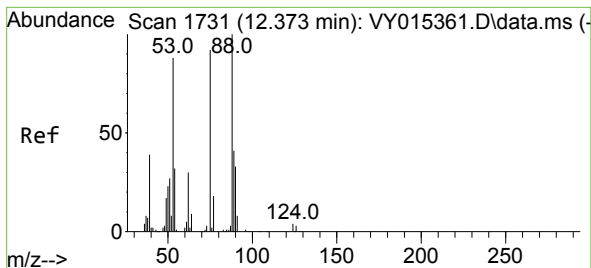
Tgt Ion:152 Resp: 212914
 Ion Ratio Lower Upper
 152 100
 115 58.2 28.8 86.5
 150 157.2 0.0 348.8



#76
 1,2,3-Trichloropropane
 Concen: 38.457 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.152 min
 Lab File: VY015581.D
 Acq: 15 Sep 2023 19:47

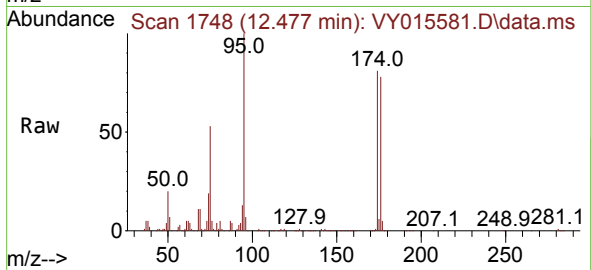
Tgt Ion: 75 Resp: 108582
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 84.832 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY015581.D
 Acq: 15 Sep 2023 19:47

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 108582
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.8 116.8#
 89 0.1 37.4 56.0#

