

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100322\
 Data File : VY010778.D
 Acq On : 03 Oct 2022 19:51
 Operator : KP/MD
 Sample : N4936-01
 Misc : 3.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SASP2-T-2-(0-6)

Quant Time: Oct 04 07:36:07 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100322S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 04 07:26:22 2022
 Response via : Initial Calibration

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

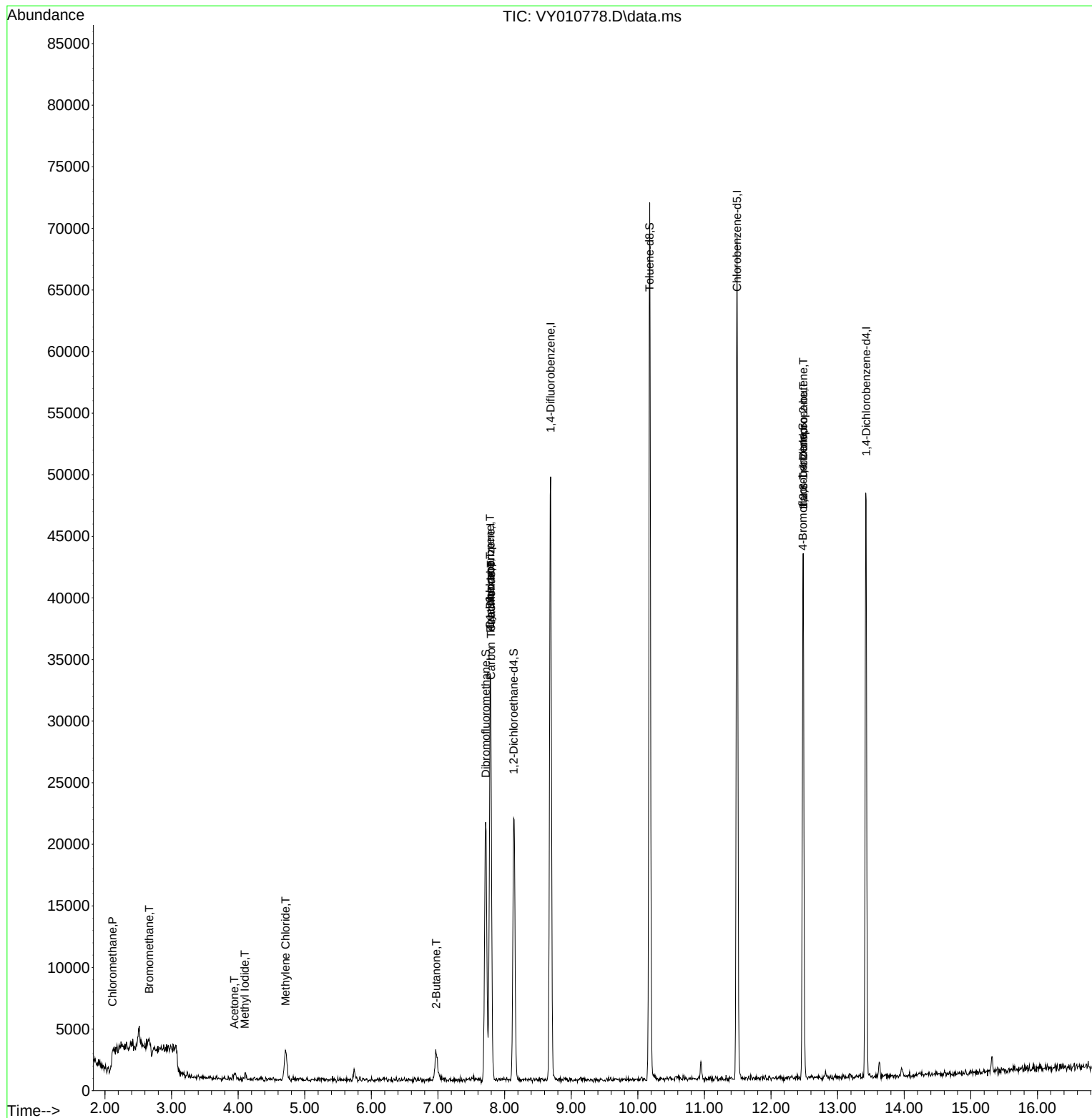
Internal Standards						
1) Pentafluorobenzene	7.789	168	26404	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	43695	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	37963	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	12999	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	17229	64.374	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 128.740%			
35) Dibromofluoromethane	7.716	113	15122	52.136	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.280%			
50) Toluene-d8	10.179	98	47558	47.944	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 95.880%			
62) 4-Bromofluorobenzene	12.477	95	13132	32.606	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 65.220%			
Target Compounds						Qvalue
3) Chloromethane	2.113	50	352	1.157	ug/l #	87
5) Bromomethane	2.662	94	454	1.746	ug/l	86
10) Methyl Iodide	4.101	142	537	1.570	ug/l #	54
11) Tert butyl alcohol	4.942	59	90	Below Cal	#	77
16) Acetone	3.942	43	660	9.710	ug/l #	87
20) Methylene Chloride	4.710	84	1830	1.032	ug/l #	68
25) 2-Butanone	6.972	43	193	1.975	ug/l #	54
31) Cyclohexane	7.783	56	533	1.113	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	2013	4.808	ug/l #	46
38) Carbon Tetrachloride	7.795	117	2452	5.622	ug/l #	11
76) 1,2,3-Trichloropropane	12.483	75	6685	50.783	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	6685	106.080	ug/l #	7

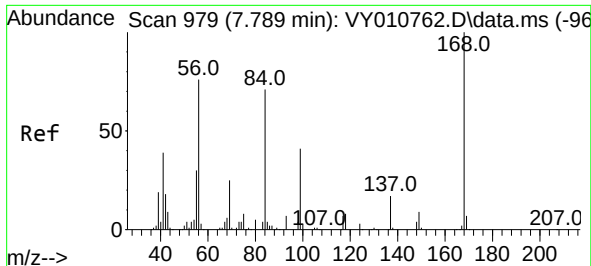
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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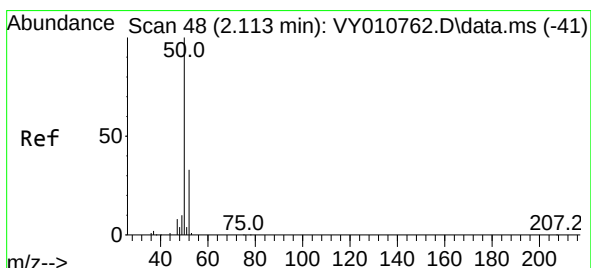
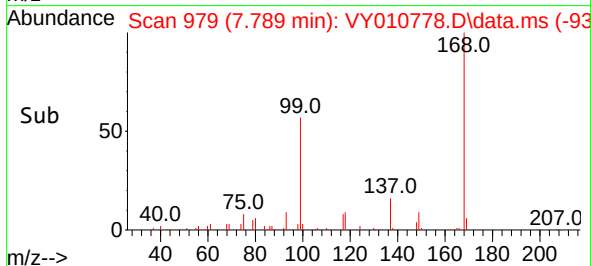
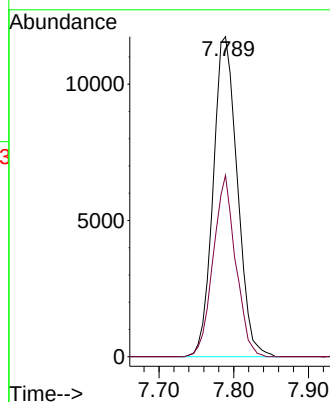
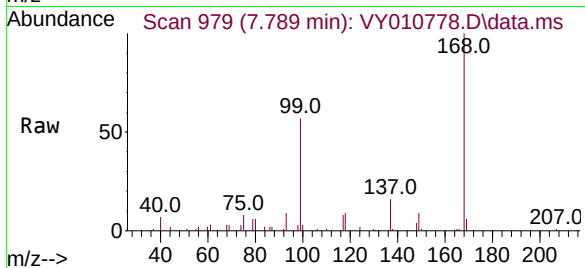




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010778.D
Acq: 03 Oct 2022 19:51

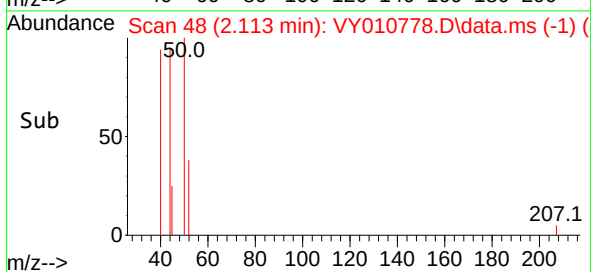
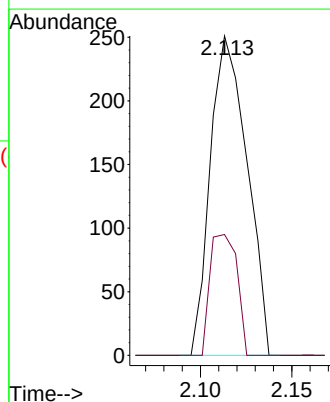
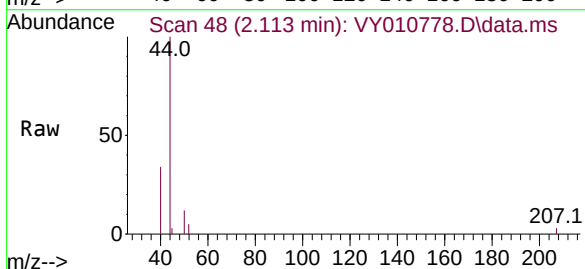
Instrument :
MSVOA_Y
ClientSampleId :
SASP2-T-2-(0-6)

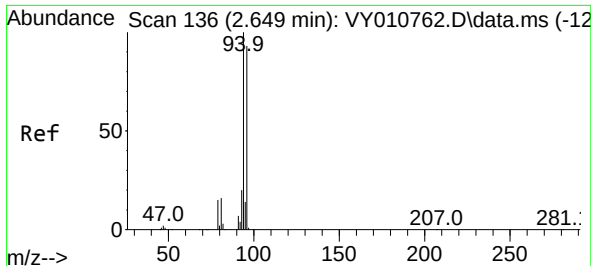
Tgt Ion:168 Resp: 26404
Ion Ratio Lower Upper
168 100
99 56.6 46.9 70.3



#3
Chloromethane
Concen: 1.157 ug/l
RT: 2.113 min Scan# 48
Delta R.T. 0.000 min
Lab File: VY010778.D
Acq: 03 Oct 2022 19:51

Tgt Ion: 50 Resp: 352
Ion Ratio Lower Upper
50 100
52 37.8 24.6 37.0#

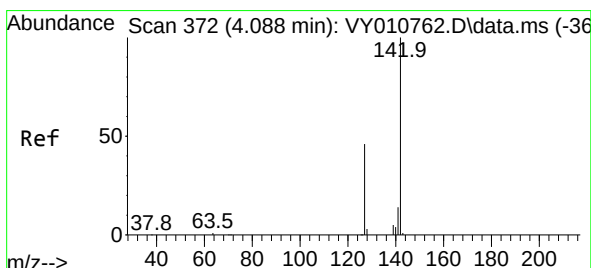
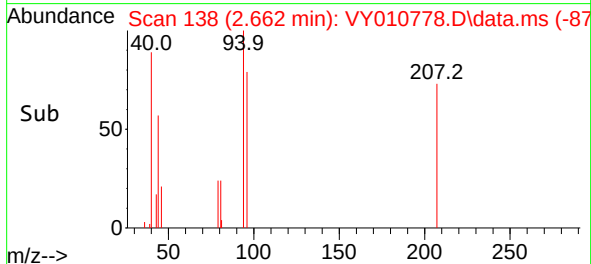
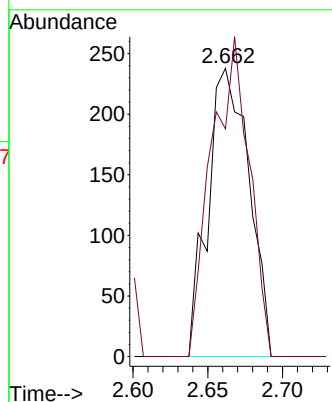
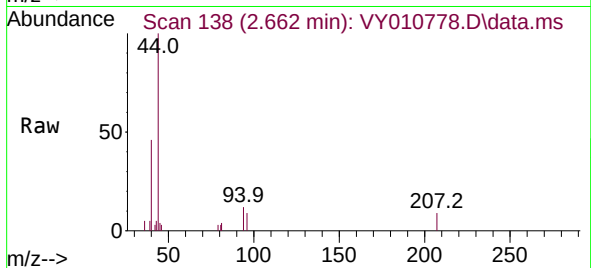




#5
Bromomethane
Concen: 1.746 ug/l
RT: 2.662 min Scan# 11
Delta R.T. 0.013 min
Lab File: VY010778.D
Acq: 03 Oct 2022 19:51

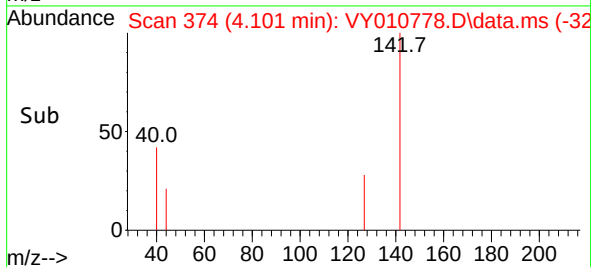
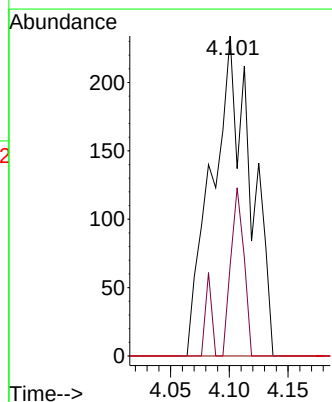
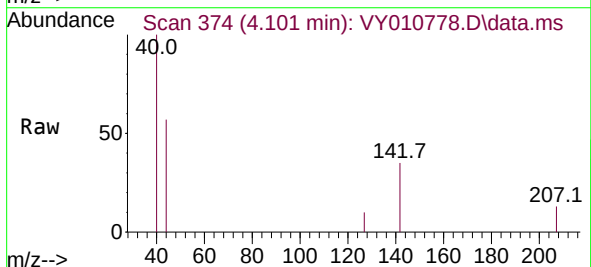
Instrument :
MSVOA_Y
ClientSampleId :
SASP2-T-2-(0-6)

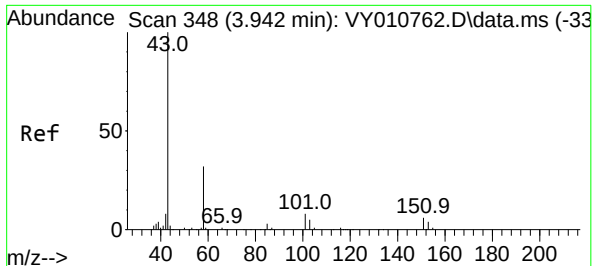
Tgt Ion: 94 Resp: 454
Ion Ratio Lower Upper
94 100
96 79.0 73.5 110.3



#10
Methyl Iodide
Concen: 1.570 ug/l
RT: 4.101 min Scan# 374
Delta R.T. 0.013 min
Lab File: VY010778.D
Acq: 03 Oct 2022 19:51

Tgt Ion:142 Resp: 537
Ion Ratio Lower Upper
142 100
127 17.7 41.5 62.3#
141 0.0 11.9 17.9#

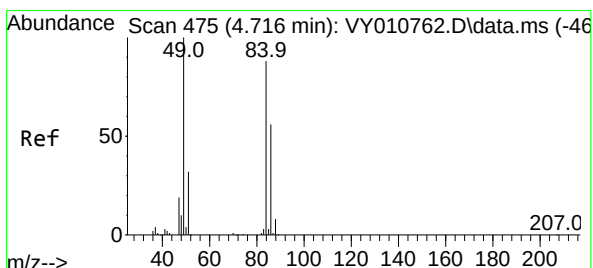
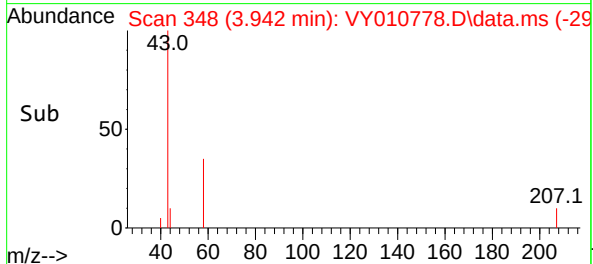
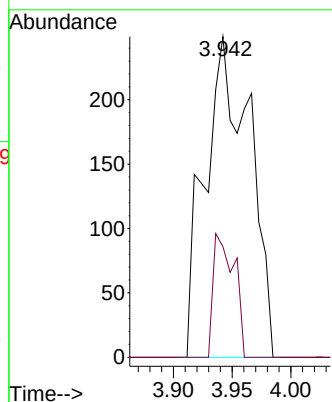
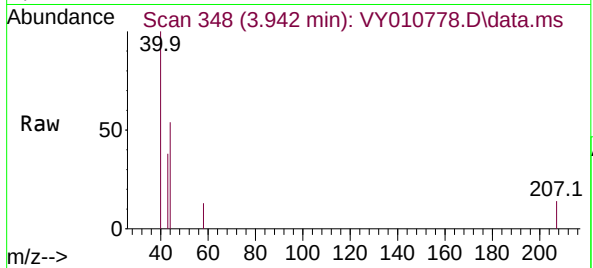




#16
Acetone
Concen: 9.710 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY010778.D
Acq: 03 Oct 2022 19:51

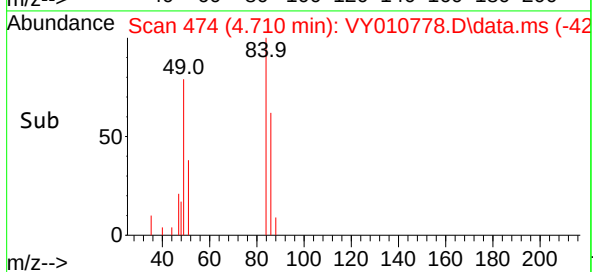
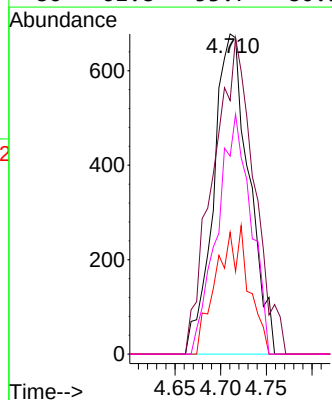
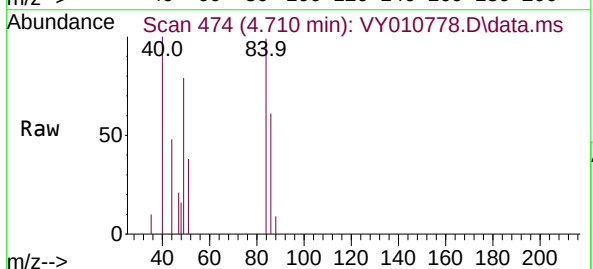
Instrument :
MSVOA_Y
ClientSampleId :
SASP2-T-2-(0-6)

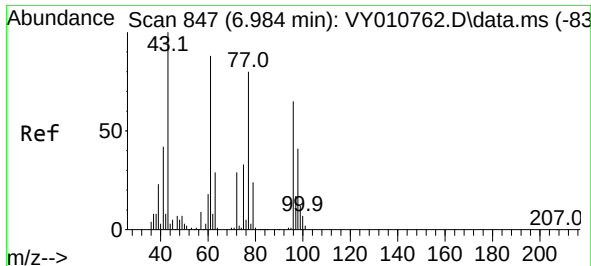
Tgt Ion: 43 Resp: 660
Ion Ratio Lower Upper
43 100
58 34.5 22.0 33.0#



#20
Methylene Chloride
Concen: 1.032 ug/l
RT: 4.710 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY010778.D
Acq: 03 Oct 2022 19:51

Tgt Ion: 84 Resp: 1830
Ion Ratio Lower Upper
84 100
49 79.2 114.4 171.6#
51 38.1 35.3 52.9
86 61.8 53.7 80.5

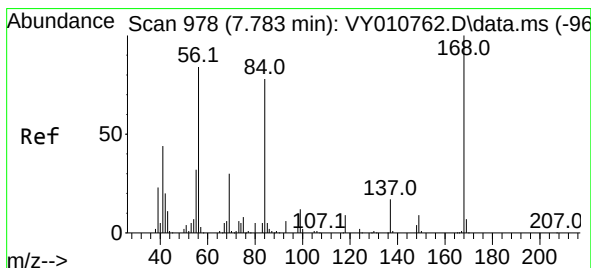
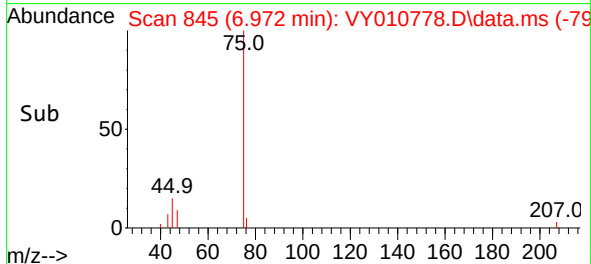
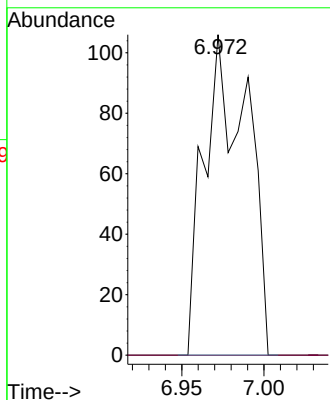
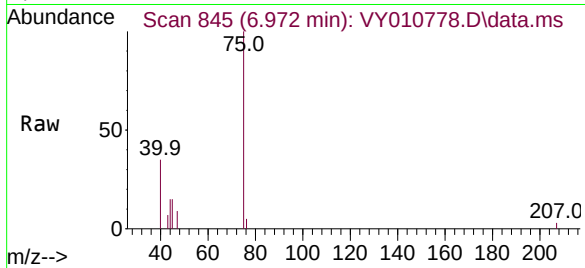




#25
2-Butanone
Concen: 1.975 ug/l
RT: 6.972 min Scan# 847
Delta R.T. -0.012 min
Lab File: VY010778.D
Acq: 03 Oct 2022 19:51

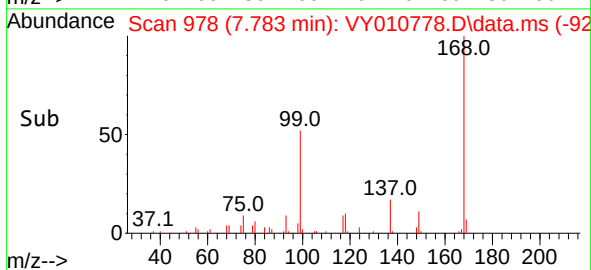
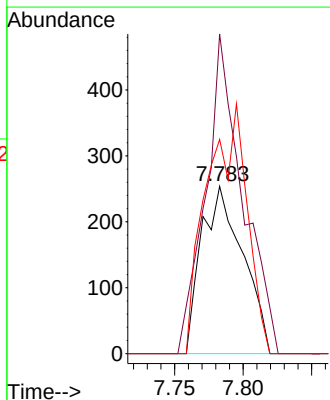
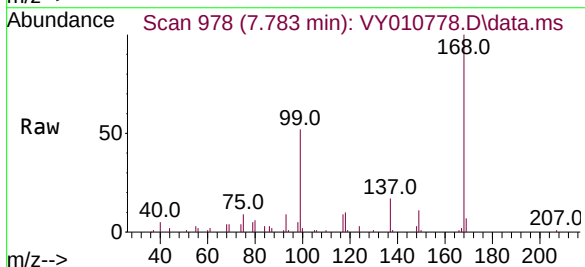
Instrument :
MSVOA_Y
ClientSampleId :
SASP2-T-2-(0-6)

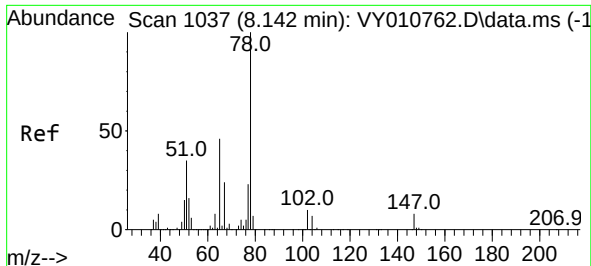
Tgt Ion: 43 Resp: 193
Ion Ratio Lower Upper
43 100
72 0.0 17.7 26.5#



#31
Cyclohexane
Concen: 1.113 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.000 min
Lab File: VY010778.D
Acq: 03 Oct 2022 19:51

Tgt Ion: 56 Resp: 533
Ion Ratio Lower Upper
56 100
69 190.9 26.7 40.1#
84 128.0 67.2 100.8#

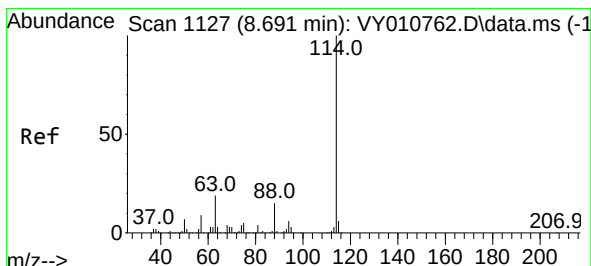
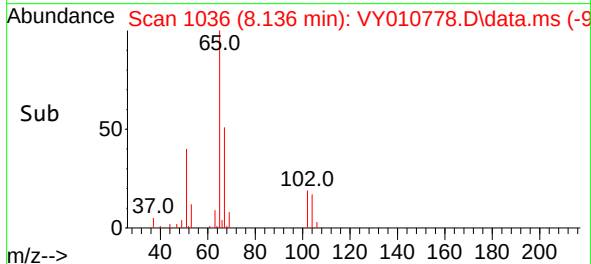
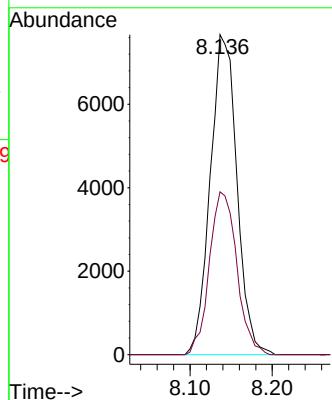
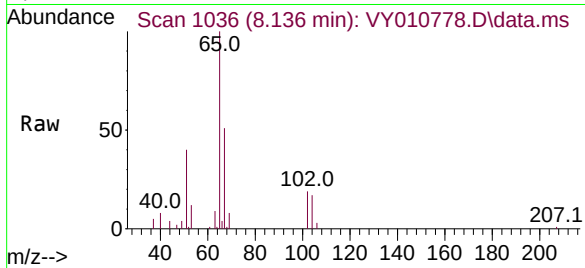




#33
 1,2-Dichloroethane-d4
 Concen: 64.374 ug/l
 RT: 8.136 min Scan# 1036
 Delta R.T. -0.006 min
 Lab File: VY010778.D
 Acq: 03 Oct 2022 19:51

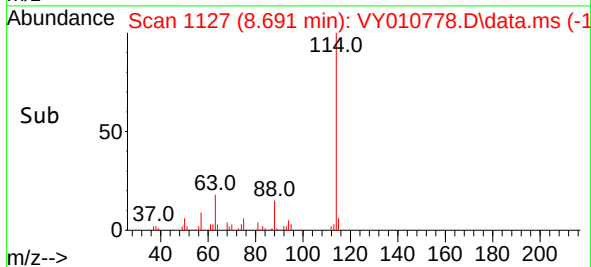
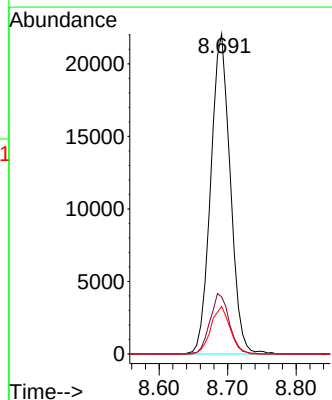
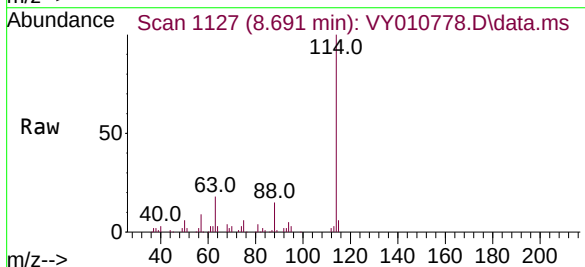
Instrument :
 MSVOA_Y
 ClientSampleId :
 SASP2-T-2-(0-6)

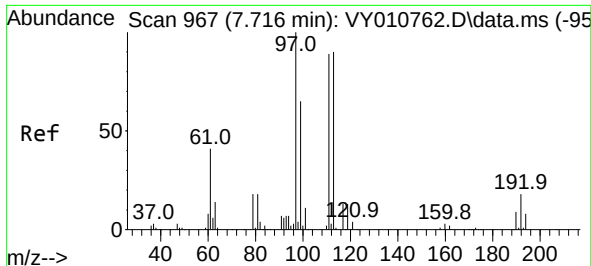
Tgt Ion: 65 Resp: 17229
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 99.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. 0.000 min
 Lab File: VY010778.D
 Acq: 03 Oct 2022 19:51

Tgt Ion: 114 Resp: 43695
 Ion Ratio Lower Upper
 114 100
 63 17.8 0.0 43.2
 88 14.8 0.0 31.8





#35

Dibromofluoromethane

Concen: 52.136 ug/l

RT: 7.716 min Scan# 91

Delta R.T. -0.000 min

Lab File: VY010778.D

Acq: 03 Oct 2022 19:51

Instrument :

MSVOA_Y

ClientSampleId :

SASP2-T-2-(0-6)

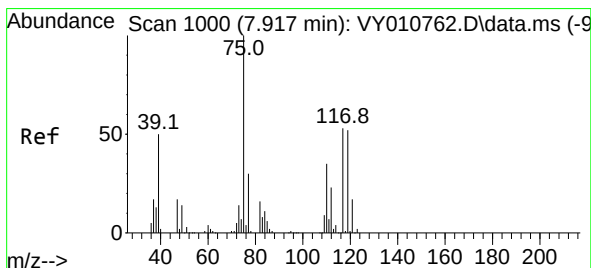
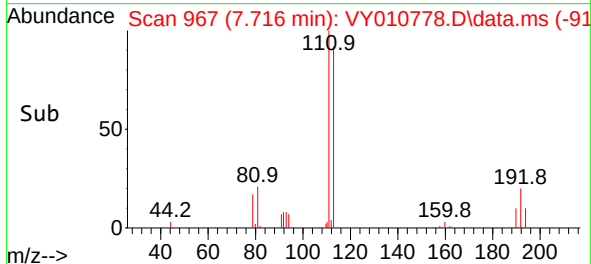
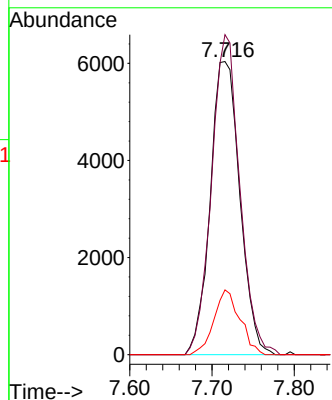
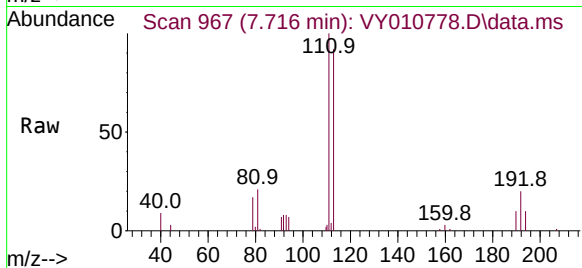
Tgt Ion:113 Resp: 15122

Ion Ratio Lower Upper

113 100

111 104.2 82.6 124.0

192 19.5 17.6 26.4



#36

1,1-Dichloropropene

Concen: 4.808 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.134 min

Lab File: VY010778.D

Acq: 03 Oct 2022 19:51

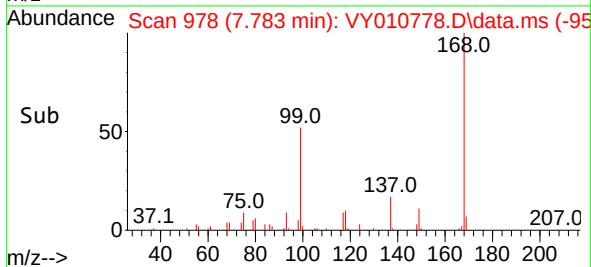
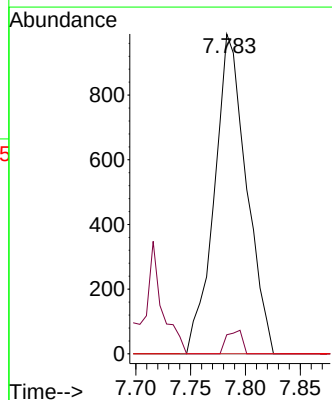
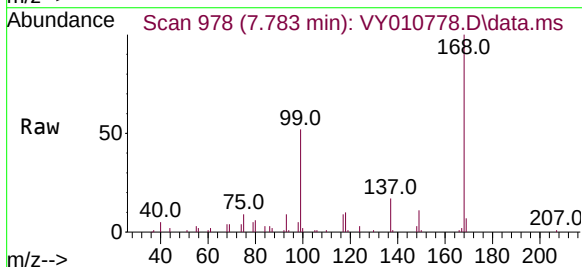
Tgt Ion: 75 Resp: 2013

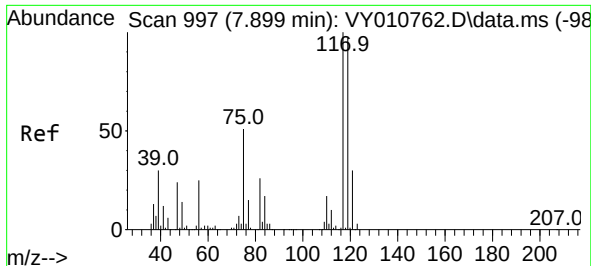
Ion Ratio Lower Upper

75 100

110 3.6 17.1 51.2#

77 0.0 24.4 36.6#

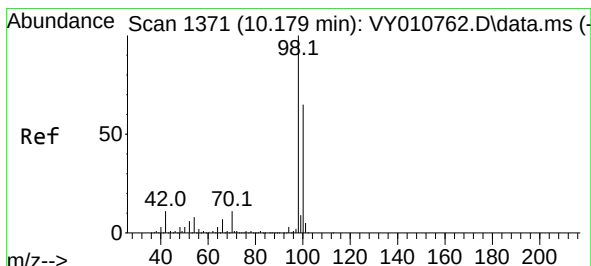
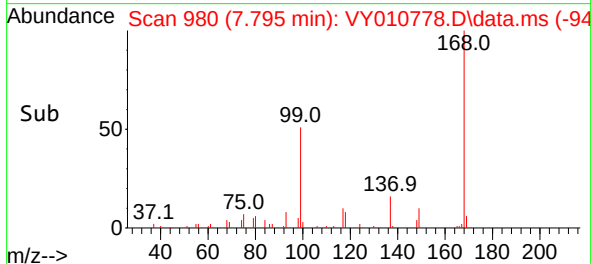
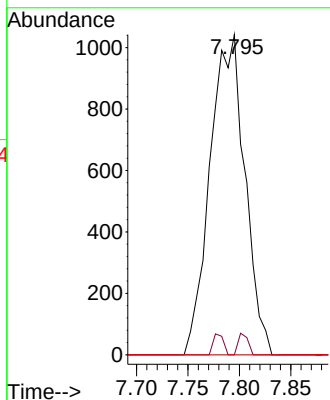
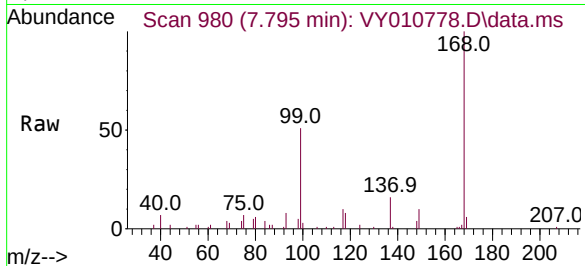




#38
Carbon Tetrachloride
Concen: 5.622 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY010778.D
Acq: 03 Oct 2022 19:51

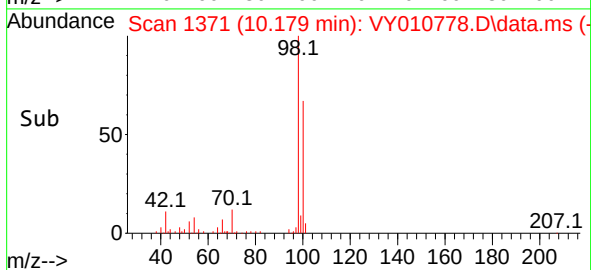
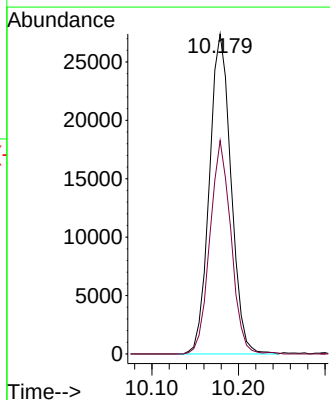
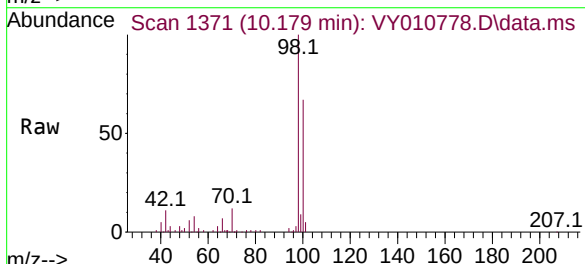
Instrument :
MSVOA_Y
ClientSampleId :
SASP2-T-2-(0-6)

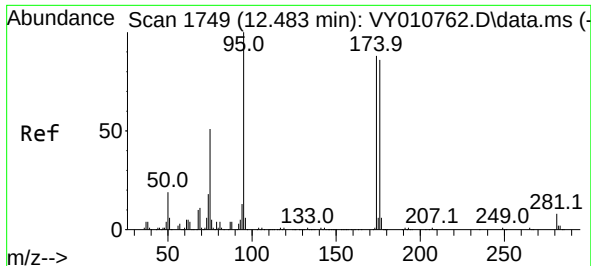
Tgt Ion:117 Resp: 2452
Ion Ratio Lower Upper
117 100
119 0.0 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 47.944 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY010778.D
Acq: 03 Oct 2022 19:51

Tgt Ion: 98 Resp: 47558
Ion Ratio Lower Upper
98 100
100 64.6 50.2 75.2

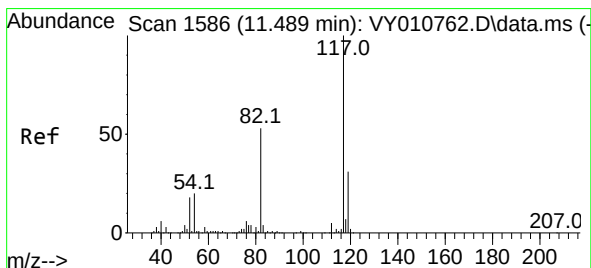
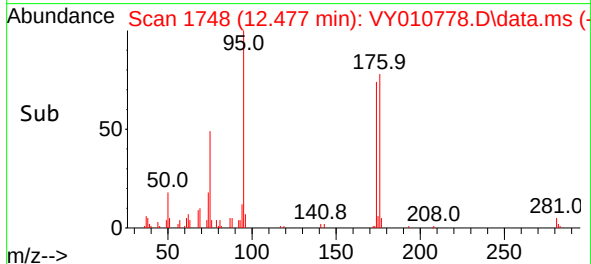
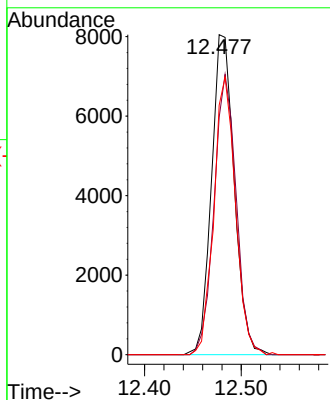
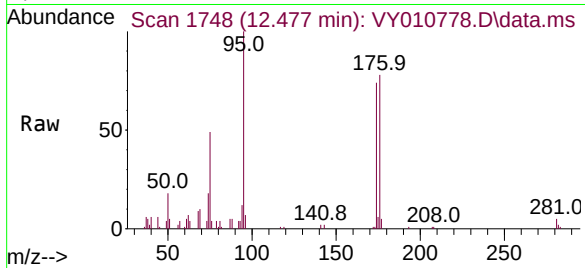




#62
4-Bromofluorobenzene
Concen: 32.606 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY010778.D
Acq: 03 Oct 2022 19:51

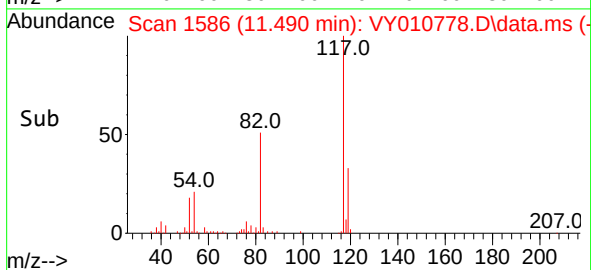
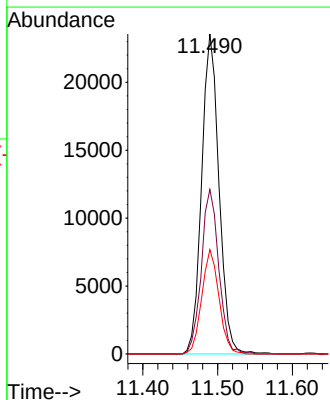
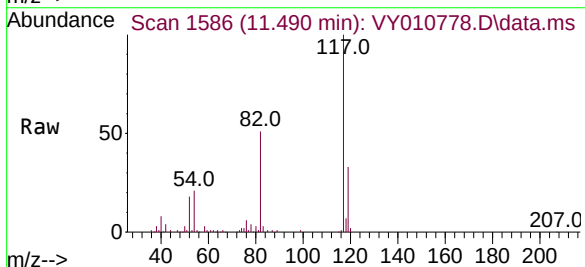
Instrument :
MSVOA_Y
ClientSampleId :
SASP2-T-2-(0-6)

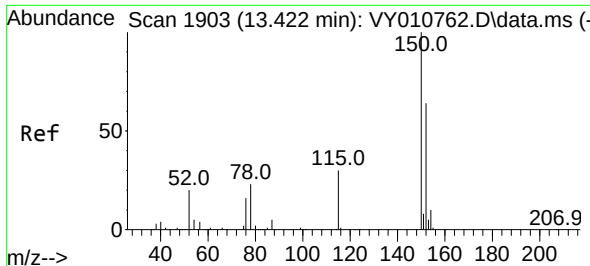
Tgt Ion: 95 Resp: 13132
Ion Ratio Lower Upper
95 100
174 85.2 0.0 177.0
176 82.6 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY010778.D
Acq: 03 Oct 2022 19:51

Tgt Ion: 117 Resp: 37963
Ion Ratio Lower Upper
117 100
82 51.4 43.0 64.4
119 32.6 25.4 38.0

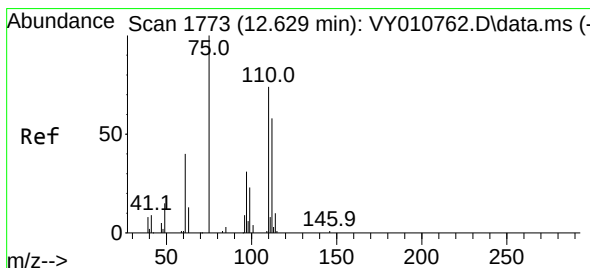
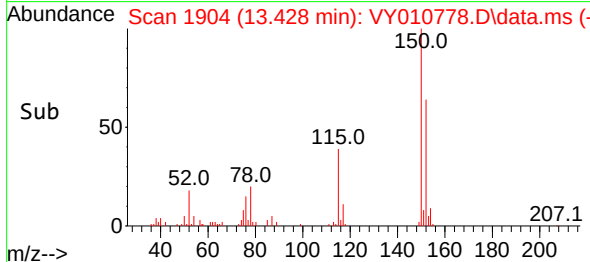
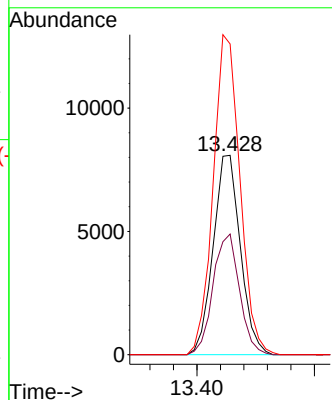
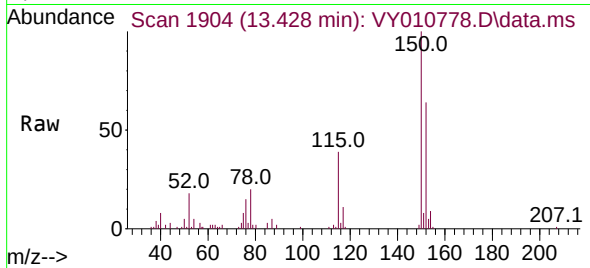




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1749
 Delta R.T. 0.006 min
 Lab File: VY010778.D
 Acq: 03 Oct 2022 19:51

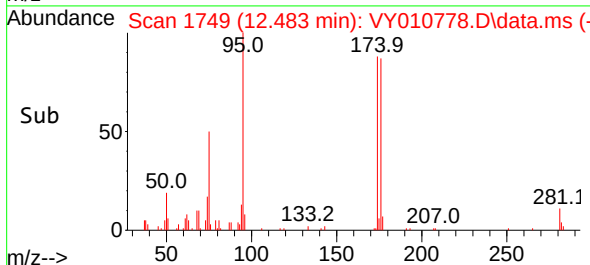
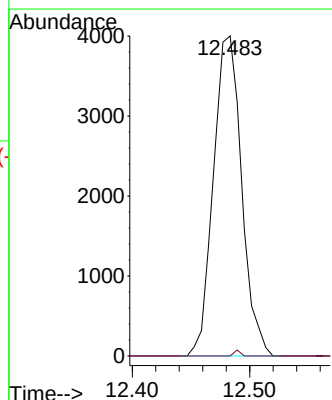
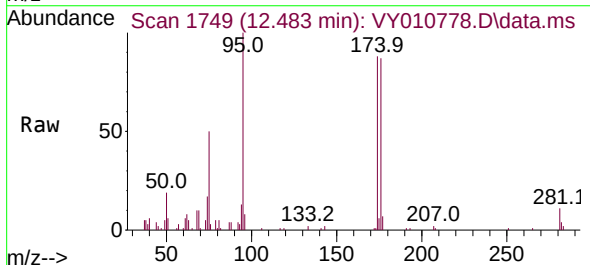
Instrument :
 MSVOA_Y
 ClientSampleId :
 SASP2-T-2-(0-6)

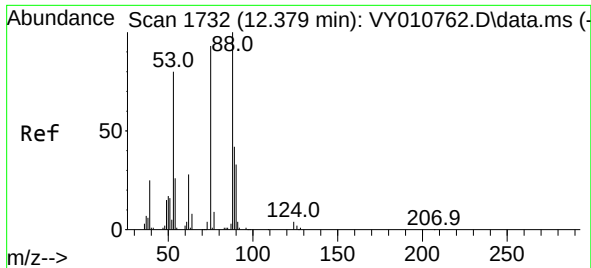
Tgt Ion:152 Resp: 12999
 Ion Ratio Lower Upper
 152 100
 115 58.8 28.2 84.7
 150 158.0 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 50.783 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.146 min
 Lab File: VY010778.D
 Acq: 03 Oct 2022 19:51

Tgt Ion: 75 Resp: 6685
 Ion Ratio Lower Upper
 75 100
 77 0.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 106.080 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY010778.D
 Acq: 03 Oct 2022 19:51

Instrument :
 MSVOA_Y
 ClientSampleId :
 SASP2-T-2-(0-6)

Tgt Ion: 75 Resp: 6685
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.3 127.9#
 89 0.0 37.0 55.4#

