

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051922\
 Data File : VY008906.D
 Acq On : 20 May 2022 07:19
 Operator : KP/MD
 Sample : N2868-19
 Misc : 4.33g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 P022-SS002-0006-02

Quant Time: May 20 08:22:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051722S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 18 07:32:50 2022
 Response via : Initial Calibration

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

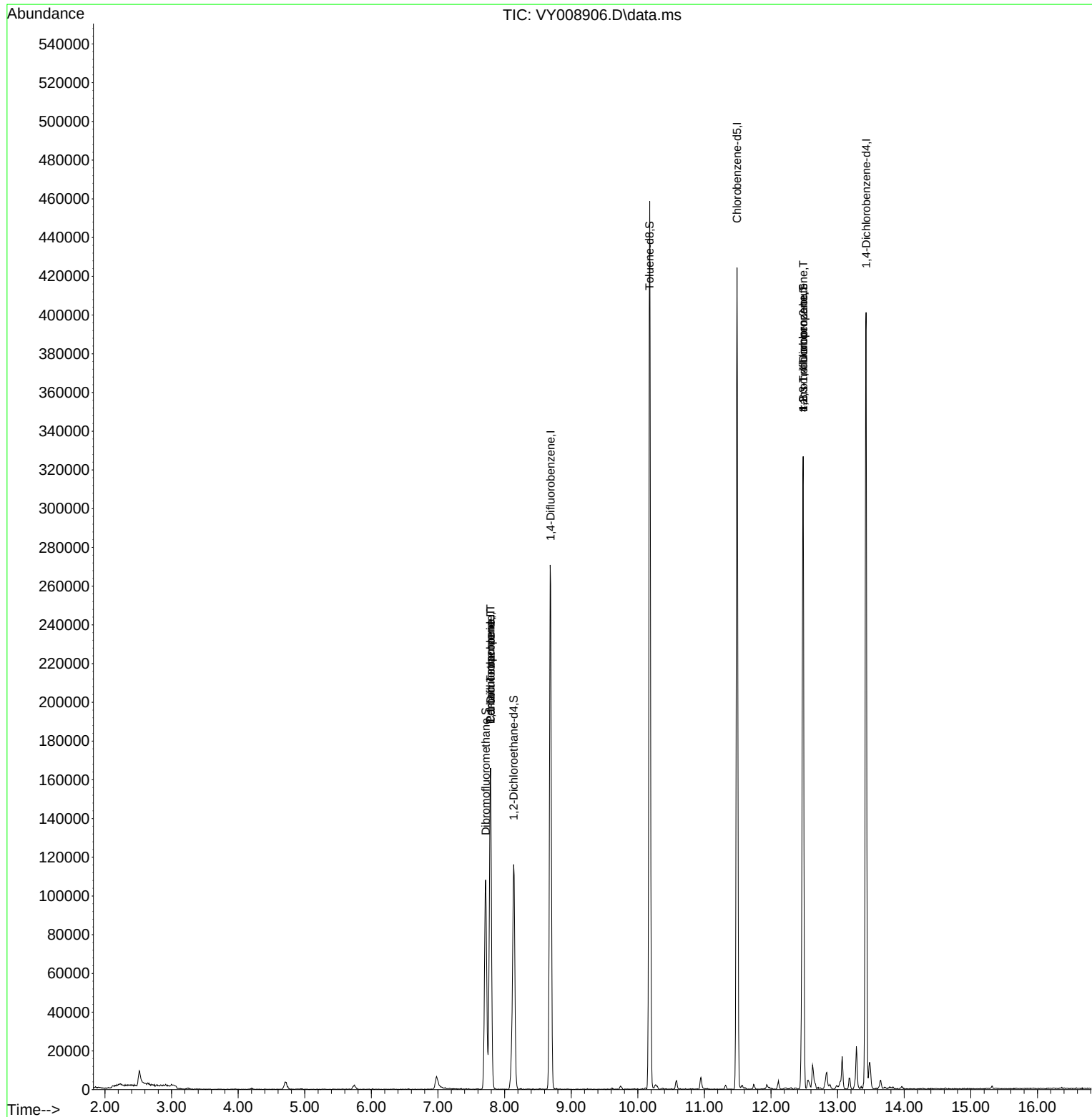
Internal Standards						
1) Pentafluorobenzene	7.789	168	125989	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	227698	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	216593	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	97573	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	80890	69.207	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 138.420%			
35) Dibromofluoromethane	7.715	113	72877	54.779	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.560%			
50) Toluene-d8	10.178	98	288354	48.840	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 97.680%			
62) 4-Bromofluorobenzene	12.483	95	86581	41.653	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 83.300%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	143	Below Cal		77
3) Chloromethane	2.125	50	216	Below Cal	#	85
4) Vinyl Chloride	2.259	62	72	Below Cal	#	43
5) Bromomethane	2.662	94	159	Below Cal	#	50
6) Chloroethane	2.857	64	41	Below Cal	#	43
16) Acetone	3.942	43	134	Below Cal	#	47
18) Methyl Acetate	4.643	43	27	Below Cal	#	56
20) Methylene Chloride	4.710	84	2968	Below Cal	#	86
31) Cyclohexane	7.783	56	3283	Below Cal	#	61
36) 1,1-Dichloropropene	7.789	75	10788	5.063	ug/l #	45
38) Carbon Tetrachloride	7.789	117	12913	5.655	ug/l #	15
76) 1,2,3-Trichloropropane	12.483	75	49476	43.896	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	49476	96.014	ug/l #	8

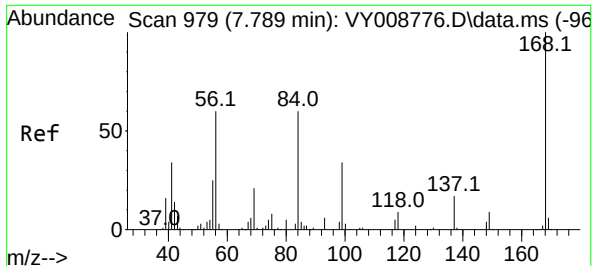
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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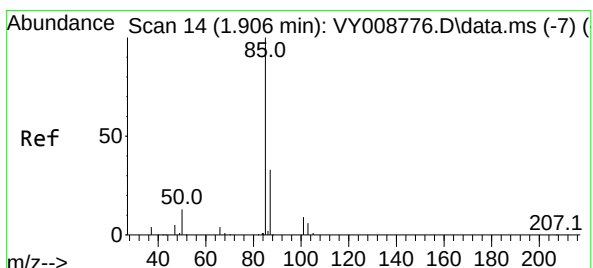
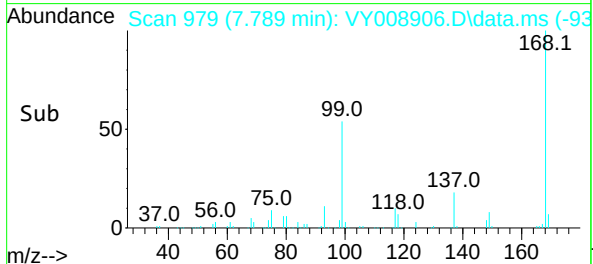
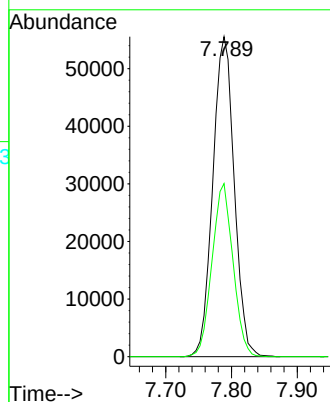
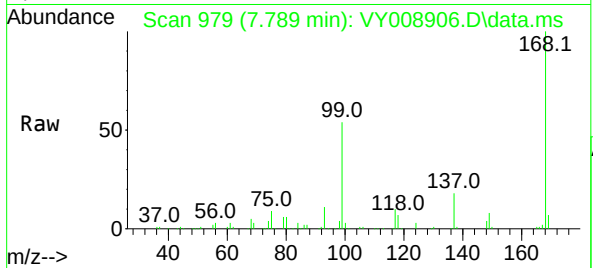




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008906.D
Acq: 20 May 2022 07:19

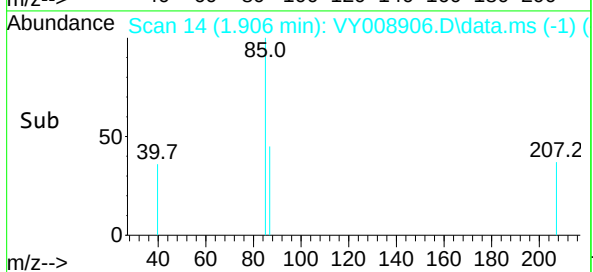
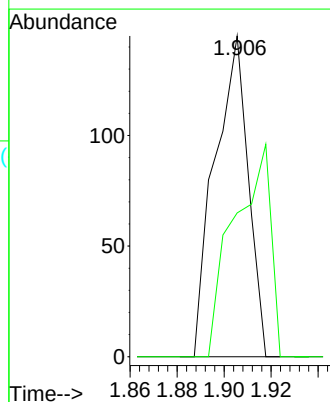
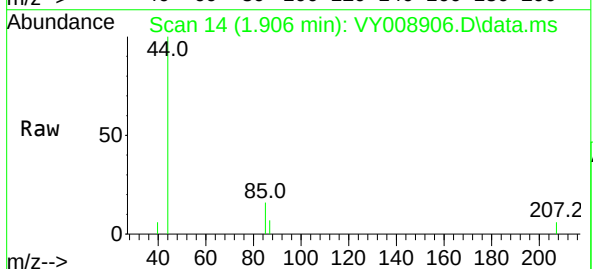
Instrument :
MSVOA_Y
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P022-SS002-0006-02

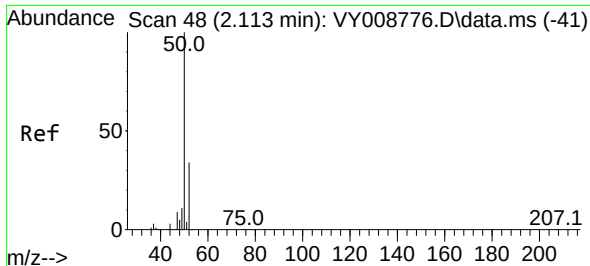
Tgt Ion:168 Resp: 125989
Ion Ratio Lower Upper
168 100
99 54.1 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY008906.D
Acq: 20 May 2022 07:19

Tgt Ion: 85 Resp: 143
Ion Ratio Lower Upper
85 100
87 44.8 16.1 48.2

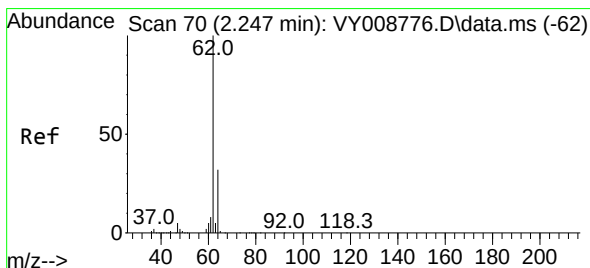
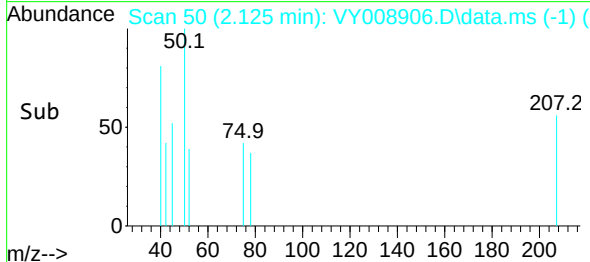
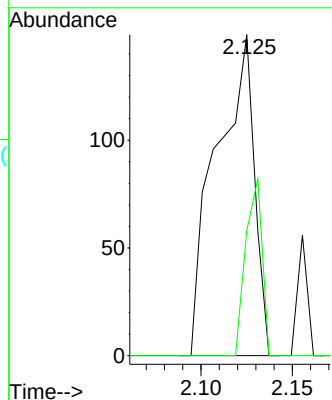
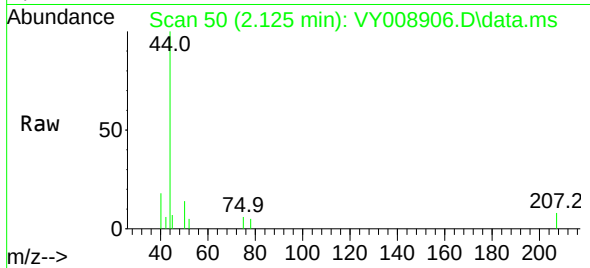




#3
Chloromethane
Concen: Below Cal
RT: 2.125 min Scan# 50
Delta R.T. 0.012 min
Lab File: VY008906.D
Acq: 20 May 2022 07:19

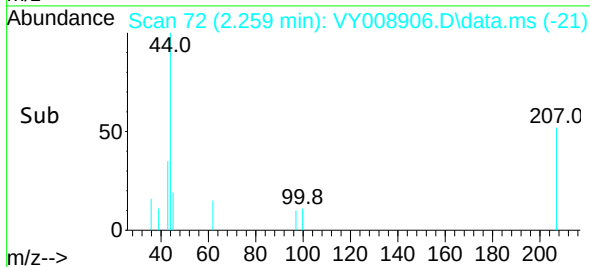
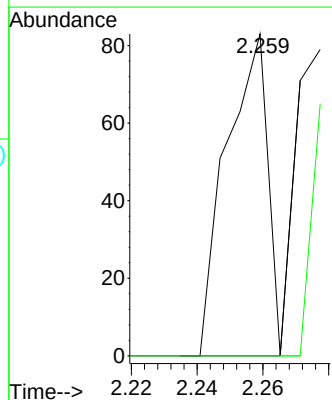
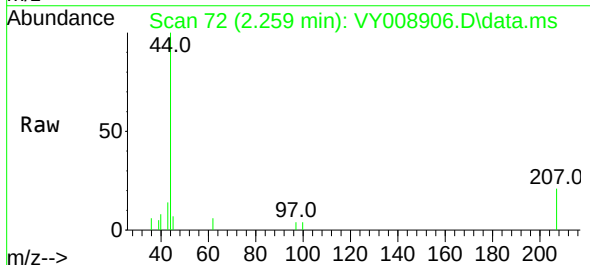
Instrument :
MSVOA_Y
ClientSampleId :
P022-SS002-0006-02

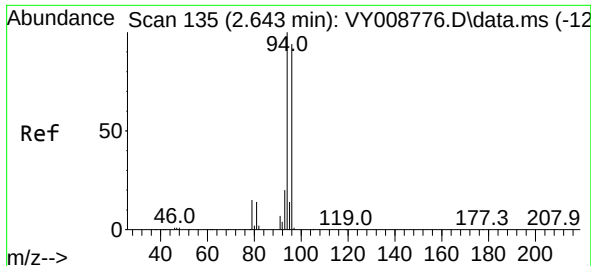
Tgt Ion: 50 Resp: 216
Ion Ratio Lower Upper
50 100
52 38.9 24.6 37.0#



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.259 min Scan# 72
Delta R.T. 0.012 min
Lab File: VY008906.D
Acq: 20 May 2022 07:19

Tgt Ion: 62 Resp: 72
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

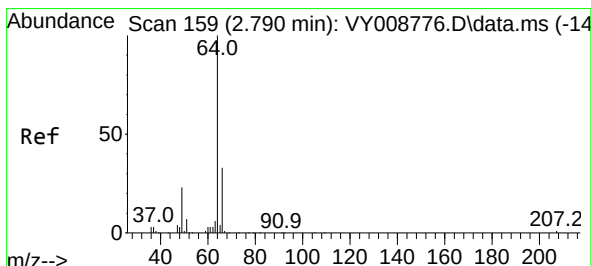
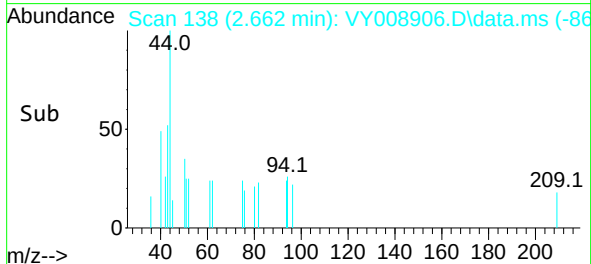
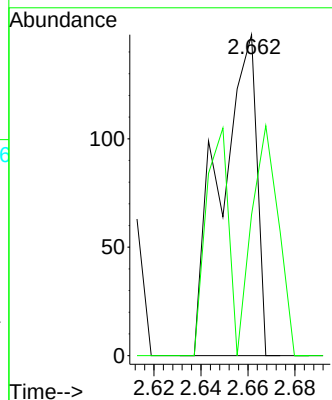
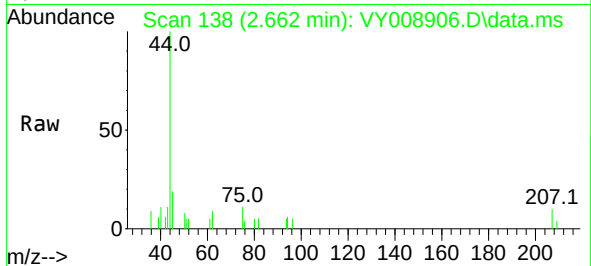




#5
Bromomethane
Concen: Below Cal
RT: 2.662 min Scan# 11
Delta R.T. 0.019 min
Lab File: VY008906.D
Acq: 20 May 2022 07:19

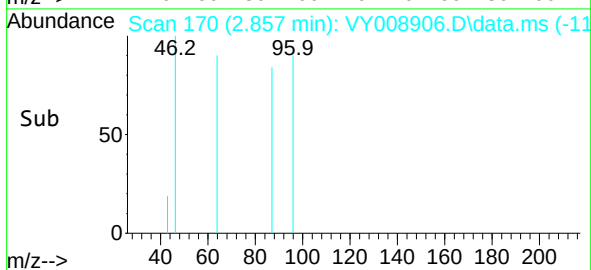
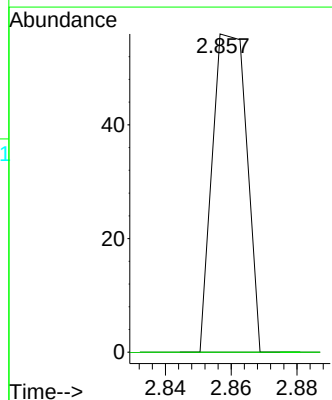
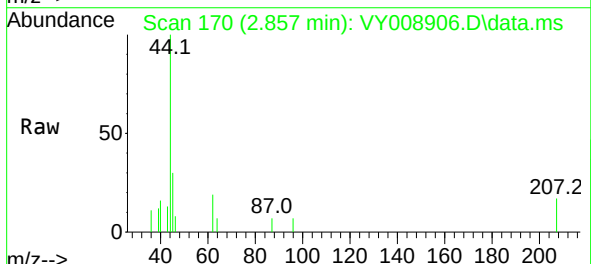
Instrument :
MSVOA_Y
ClientSampleId :
P022-SS002-0006-02

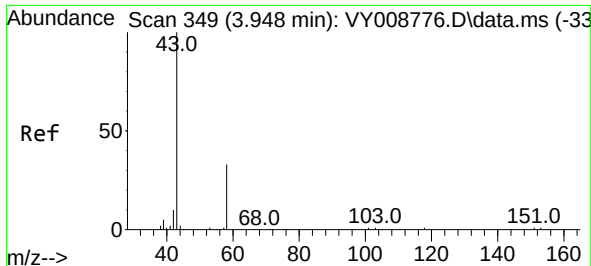
Tgt Ion: 94 Resp: 159
Ion Ratio Lower Upper
94 100
96 43.9 73.5 110.3#



#6
Chloroethane
Concen: Below Cal
RT: 2.857 min Scan# 170
Delta R.T. 0.067 min
Lab File: VY008906.D
Acq: 20 May 2022 07:19

Tgt Ion: 64 Resp: 41
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#

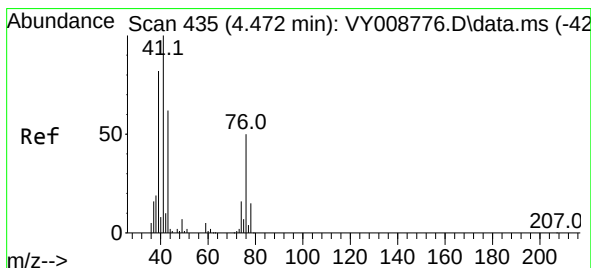
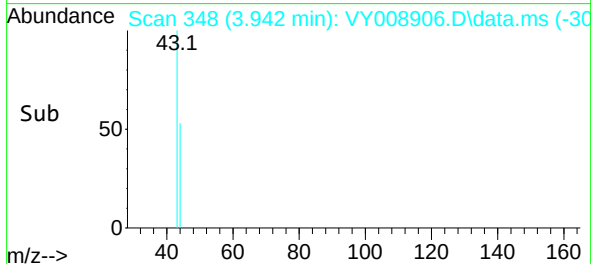
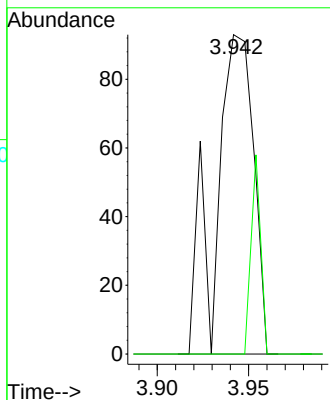
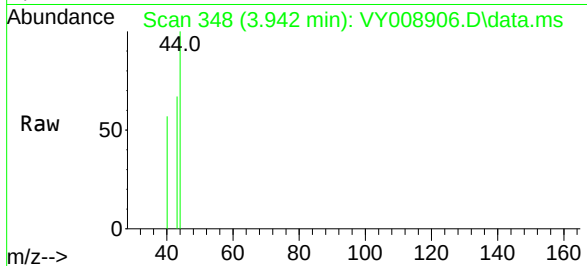




#16
Acetone
Concen: Below Cal
RT: 3.942 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY008906.D
Acq: 20 May 2022 07:19

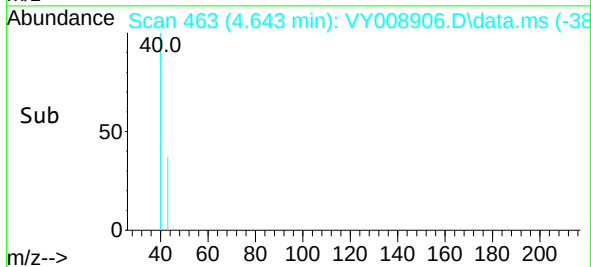
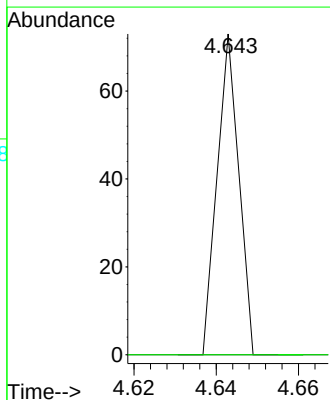
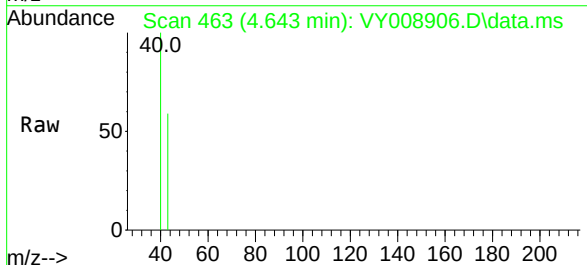
Instrument :
MSVOA_Y
ClientSampleId :
P022-SS002-0006-02

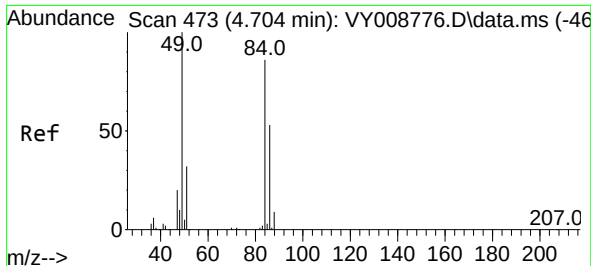
Tgt Ion: 43 Resp: 134
Ion Ratio Lower Upper
43 100
58 0.0 22.0 33.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.643 min Scan# 463
Delta R.T. 0.171 min
Lab File: VY008906.D
Acq: 20 May 2022 07:19

Tgt Ion: 43 Resp: 27
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.710 min Scan# 41

Delta R.T. 0.006 min

Lab File: VY008906.D

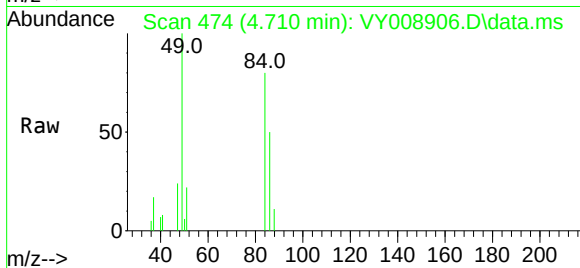
Acq: 20 May 2022 07:19

Instrument :

MSVOA_Y

ClientSampleId :

P022-SS002-0006-02



Tgt Ion: 84 Resp: 2968

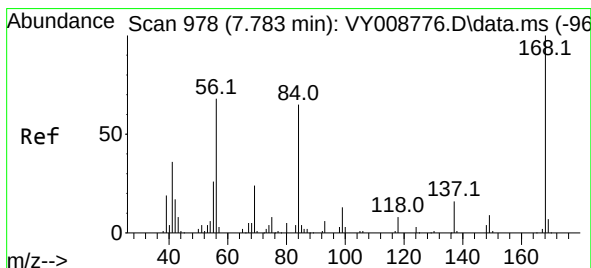
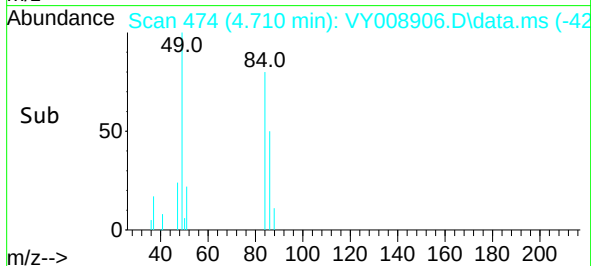
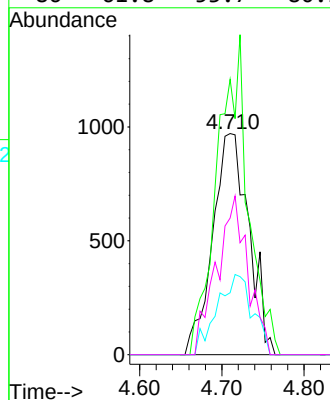
Ion Ratio Lower Upper

84 100

49 124.5 114.4 171.6

51 28.0 35.3 52.9#

86 61.8 53.7 80.5



#31

Cyclohexane

Concen: Below Cal

RT: 7.783 min Scan# 978

Delta R.T. -0.000 min

Lab File: VY008906.D

Acq: 20 May 2022 07:19

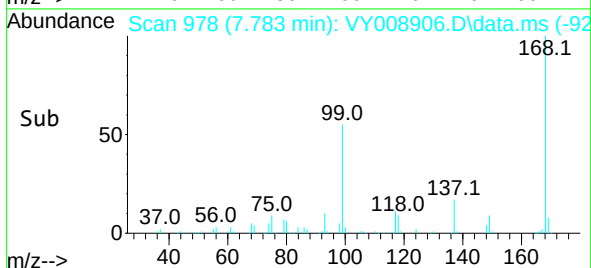
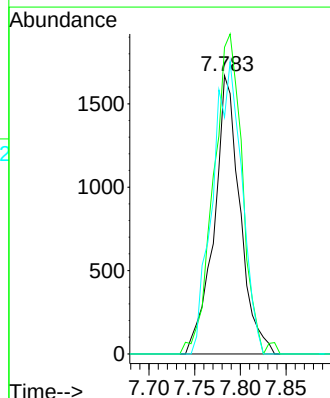
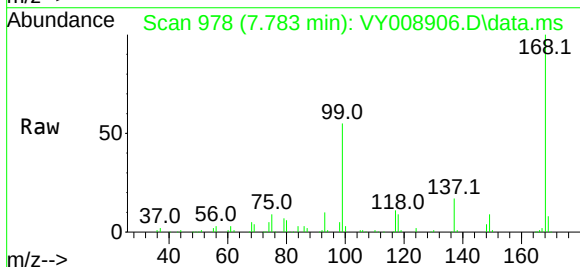
Tgt Ion: 56 Resp: 3283

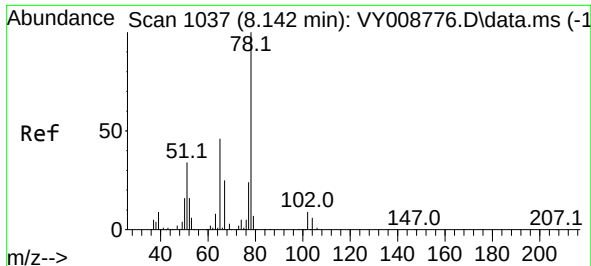
Ion Ratio Lower Upper

56 100

69 110.2 26.7 40.1#

84 85.1 67.2 100.8





#33

1,2-Dichloroethane-d4

Concen: 69.207 ug/l

RT: 8.136 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY008906.D

Acq: 20 May 2022 07:19

Instrument :

MSVOA_Y

ClientSampleId :

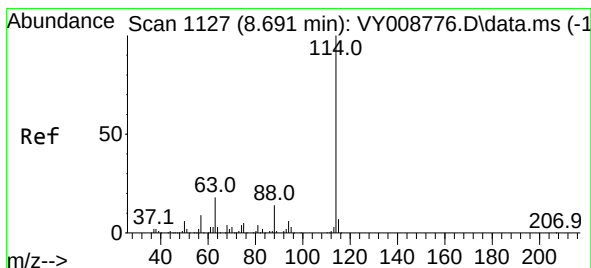
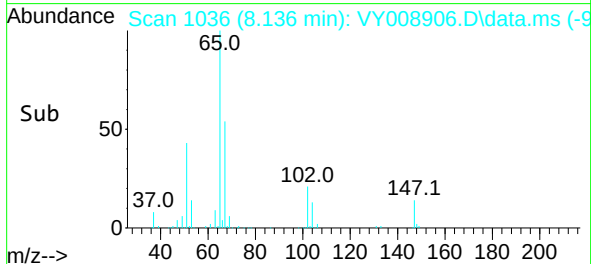
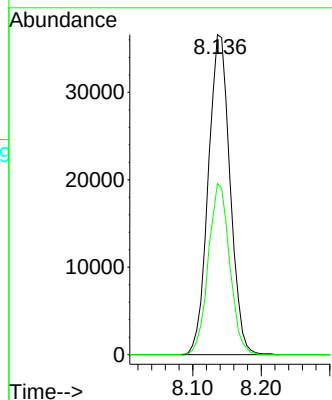
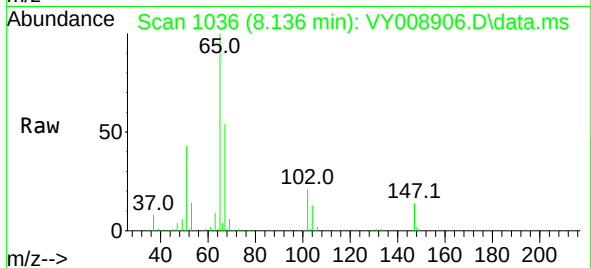
P022-SS002-0006-02

Tgt Ion: 65 Resp: 80890

Ion Ratio Lower Upper

65 100

67 52.5 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: VY008906.D

Acq: 20 May 2022 07:19

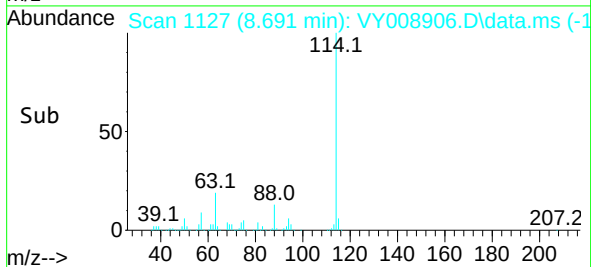
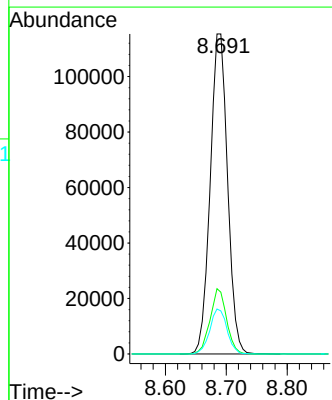
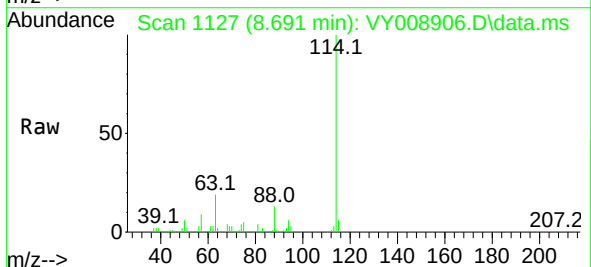
Tgt Ion: 114 Resp: 227698

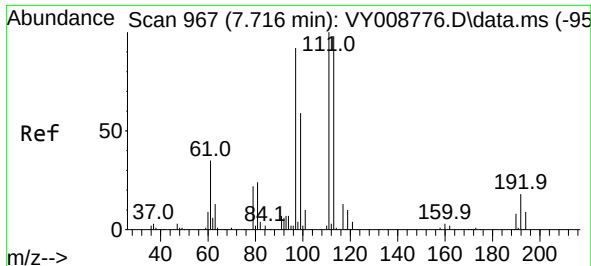
Ion Ratio Lower Upper

114 100

63 19.3 0.0 43.2

88 13.4 0.0 31.8





#35

Dibromofluoromethane

Concen: 54.779 ug/l

RT: 7.715 min Scan# 91

Delta R.T. -0.000 min

Lab File: VY008906.D

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P022-SS002-0006-02

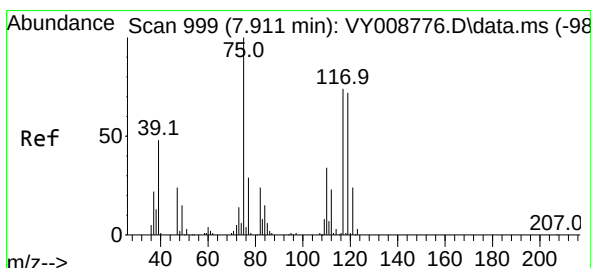
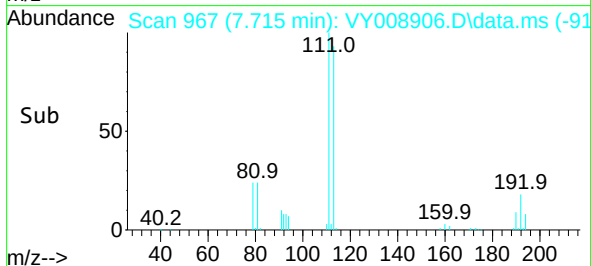
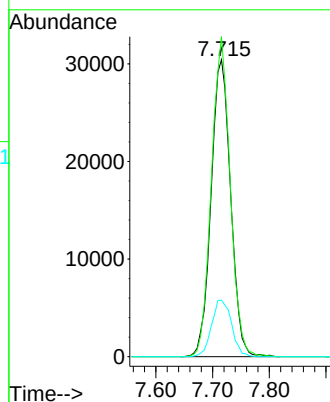
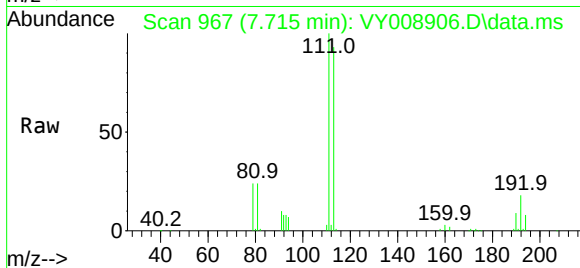
Tgt Ion:113 Resp: 72877

Ion Ratio Lower Upper

113 100

111 103.5 82.6 124.0

192 19.5 17.6 26.4



#36

1,1-Dichloropropene

Concen: 5.063 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.122 min

Lab File: VY008906.D

Acq: 20 May 2022 07:19

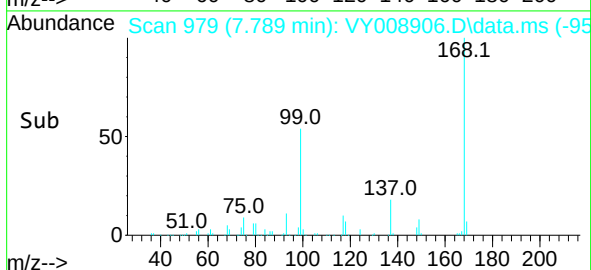
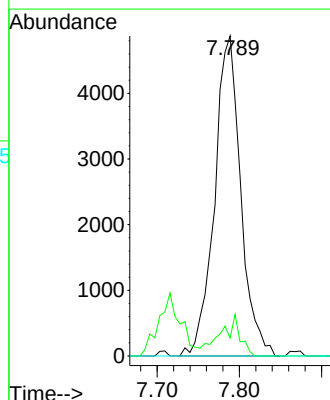
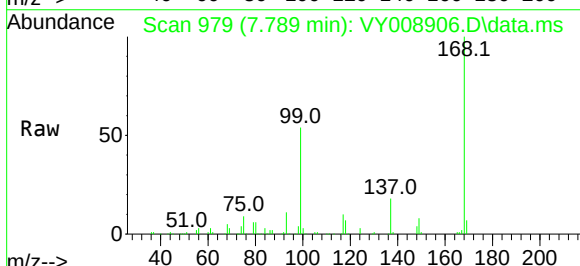
Tgt Ion: 75 Resp: 10788

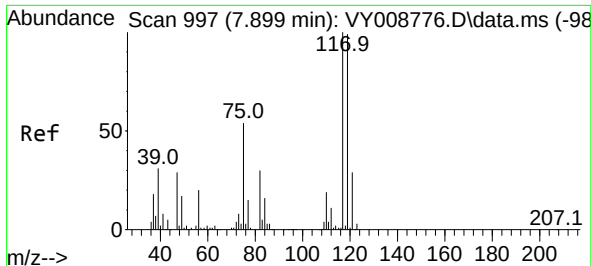
Ion Ratio Lower Upper

75 100

110 3.3 17.1 51.2#

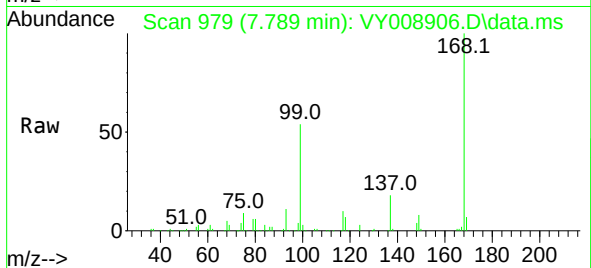
77 0.0 24.4 36.6#



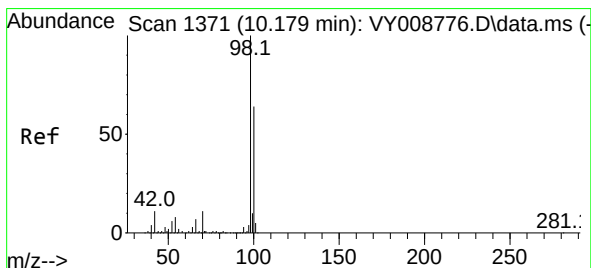
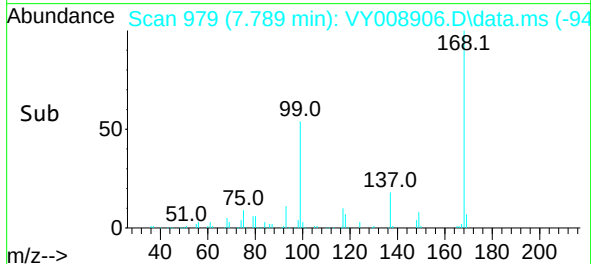
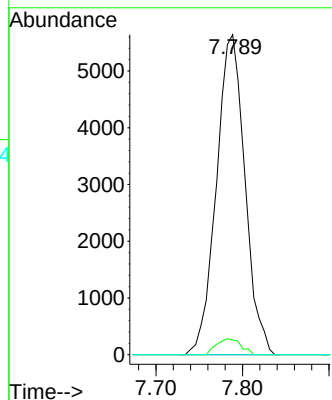


#38
Carbon Tetrachloride
Concen: 5.655 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY008906.D
Acq: 20 May 2022 07:19

Instrument :
MSVOA_Y
ClientSampleId :
P022-SS002-0006-02

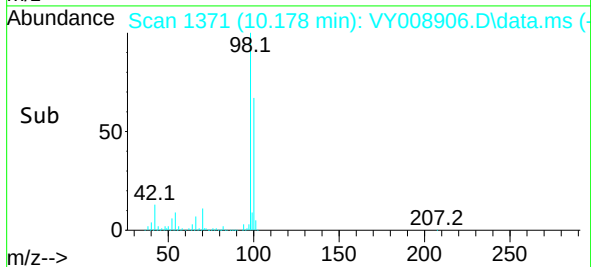
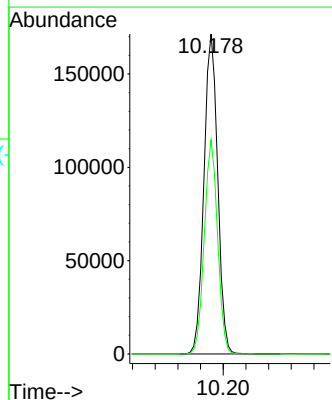
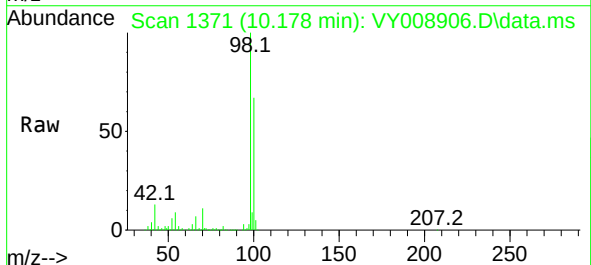


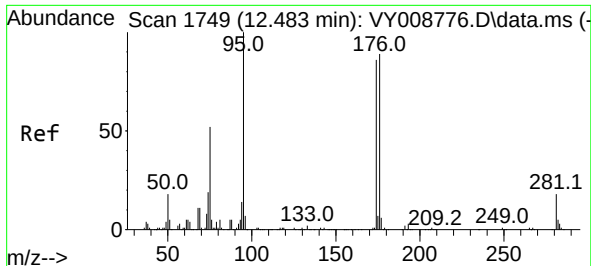
Tgt Ion:117 Resp: 12913
Ion Ratio Lower Upper
117 100
119 4.6 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 48.840 ug/l
RT: 10.178 min Scan# 1371
Delta R.T. -0.001 min
Lab File: VY008906.D
Acq: 20 May 2022 07:19

Tgt Ion: 98 Resp: 288354
Ion Ratio Lower Upper
98 100
100 64.7 50.2 75.2

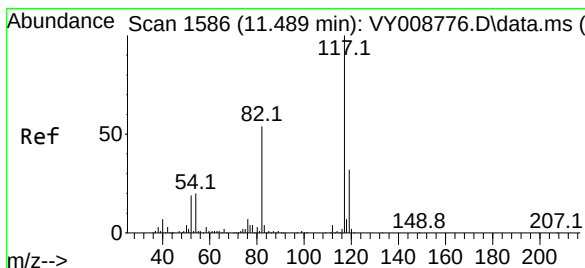
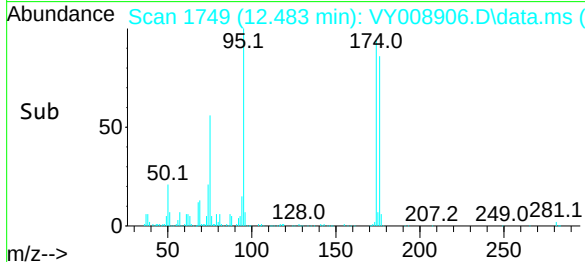
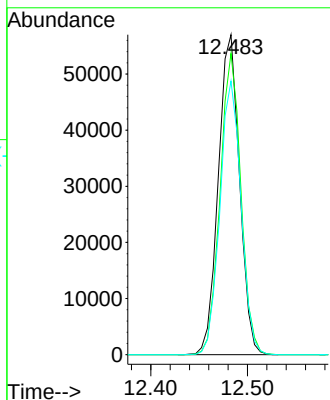
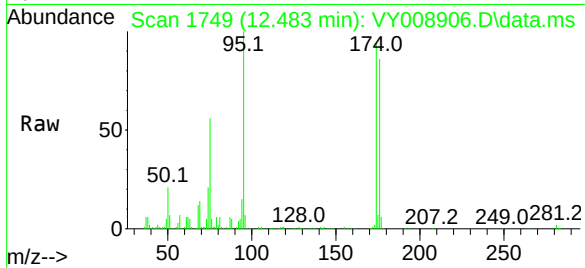




#62
4-Bromofluorobenzene
Concen: 41.653 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY008906.D
Acq: 20 May 2022 07:19

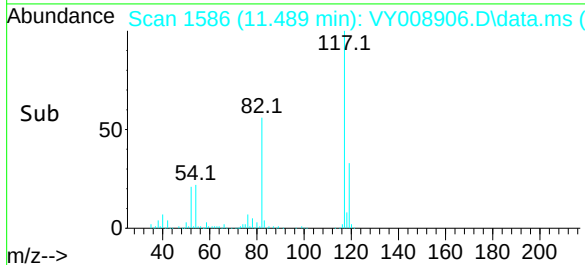
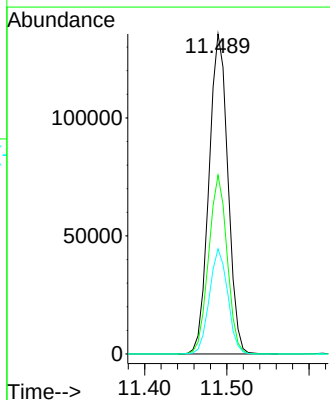
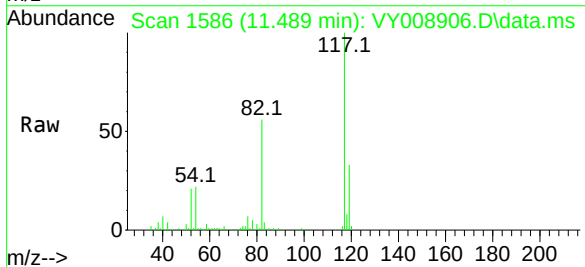
Instrument :
MSVOA_Y
ClientSampleId :
P022-SS002-0006-02

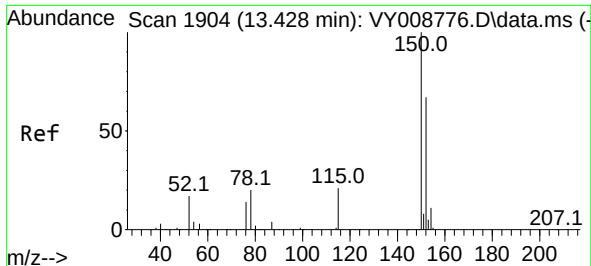
Tgt Ion: 95 Resp: 86581
Ion Ratio Lower Upper
95 100
174 92.3 0.0 177.0
176 85.5 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY008906.D
Acq: 20 May 2022 07:19

Tgt Ion: 117 Resp: 216593
Ion Ratio Lower Upper
117 100
82 55.8 43.0 64.4
119 32.8 25.4 38.0

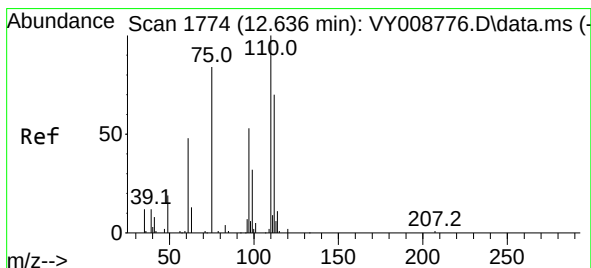
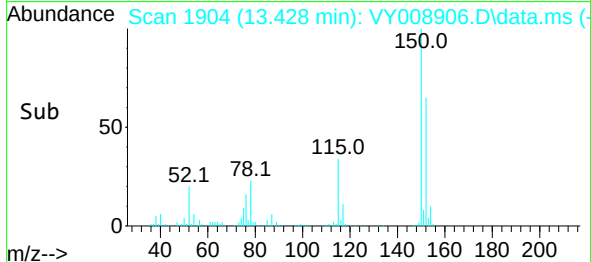
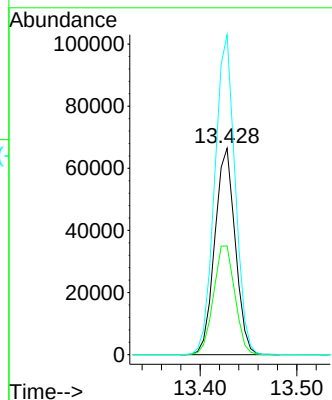
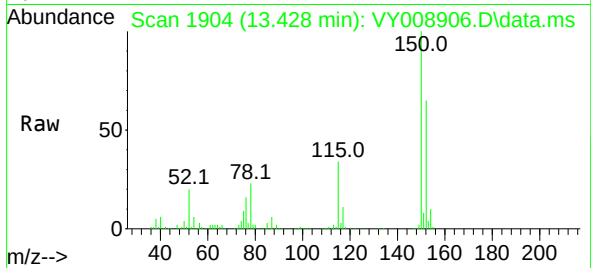




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. -0.000 min
 Lab File: VY008906.D
 Acq: 20 May 2022 07:19

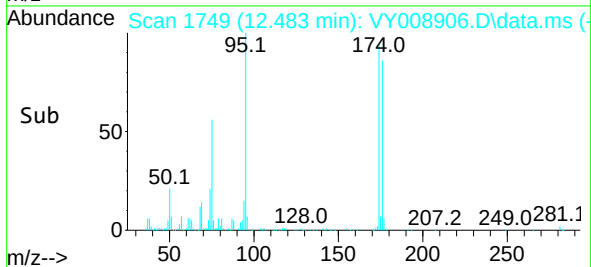
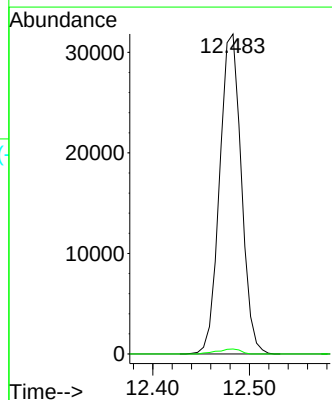
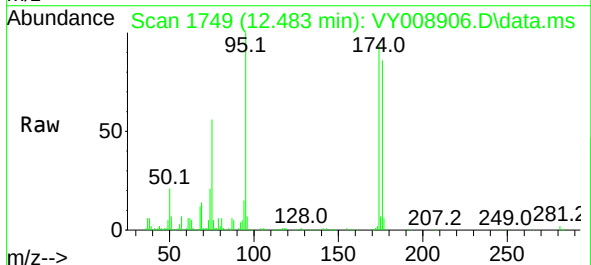
Instrument :
 MSVOA_Y
 ClientSampleId :
 P022-SS002-0006-02

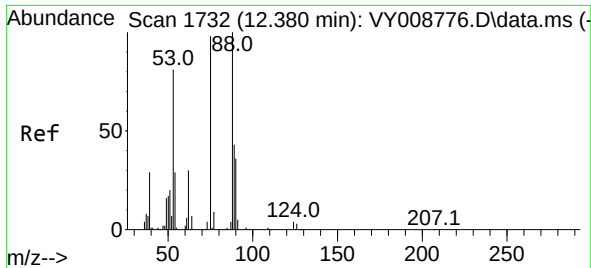
Tgt Ion:152 Resp: 97573
 Ion Ratio Lower Upper
 152 100
 115 55.1 28.2 84.7
 150 154.8 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 43.896 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.153 min
 Lab File: VY008906.D
 Acq: 20 May 2022 07:19

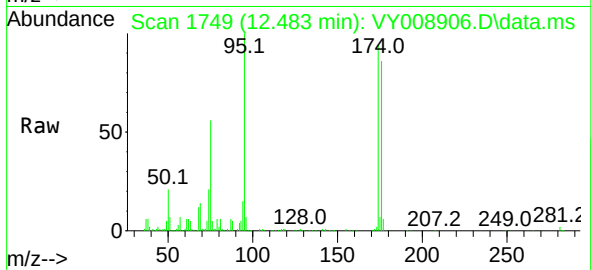
Tgt Ion: 75 Resp: 49476
 Ion Ratio Lower Upper
 75 100
 77 1.7 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 96.014 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY008906.D
 Acq: 20 May 2022 07:19

Instrument :
 MSVOA_Y
 ClientSampleId :
 P022-SS002-0006-02



Tgt Ion: 75 Resp: 49476
 Ion Ratio Lower Upper
 75 100
 53 1.5 85.3 127.9#
 89 0.0 37.0 55.4#

