

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051322\
 Data File : VY008755.D
 Acq On : 13 May 2022 17:35
 Operator : KP/MD
 Sample : N2781-20
 Misc : 6.20g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 P018-SS001-0006-02

Quant Time: May 16 05:53:53 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051222S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 13 02:08:33 2022
 Response via : Initial Calibration

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

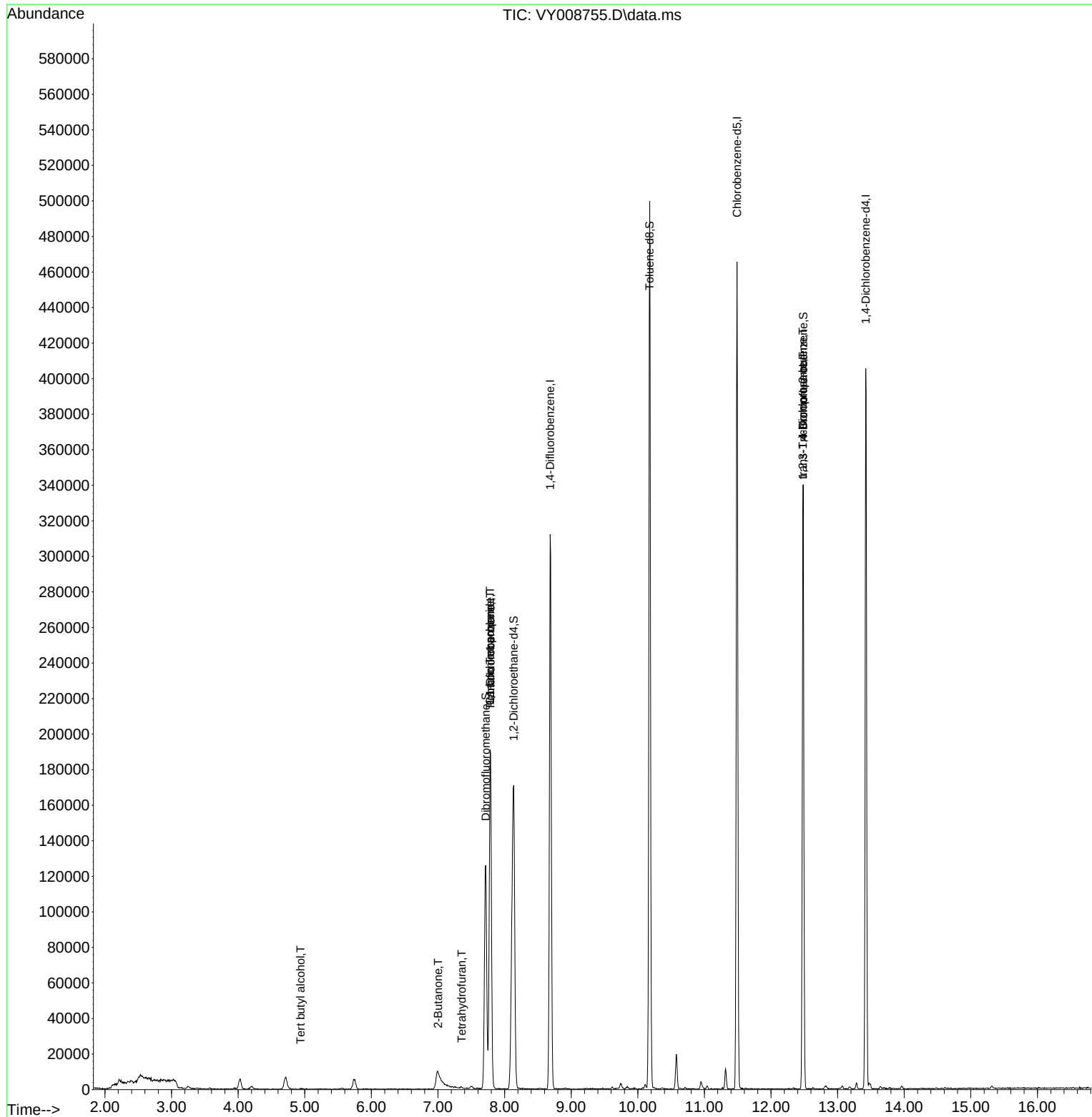
Internal Standards						
1) Pentafluorobenzene	7.789	168	147380	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	266105	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	243746	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	100873	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	97930	66.721	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 133.440%			
35) Dibromofluoromethane	7.716	113	88139	55.186	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 110.380%			
50) Toluene-d8	10.179	98	318179	52.826	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 105.660%			
62) 4-Bromofluorobenzene	12.483	95	94302	45.189	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 90.380%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.918	85	42	Below Cal	#	42
3) Chloromethane	2.107	50	409	Below Cal	#	75
4) Vinyl Chloride	2.247	62	508	Below Cal		91
5) Bromomethane	2.656	94	967	Below Cal		94
6) Chloroethane	2.747	64	21	Below Cal	#	1
11) Tert butyl alcohol	4.936	59	704	2.059 ug/l	#	76
18) Methyl Acetate	4.680	43	140	Below Cal	#	49
20) Methylene Chloride	4.710	84	5015	Below Cal		94
25) 2-Butanone	7.002	43	620	1.191 ug/l	#	43
29) Tetrahydrofuran	7.356	42	340	1.013 ug/l	#	50
31) Cyclohexane	7.777	56	3578	Below Cal	#	52
36) 1,1-Dichloropropene	7.783	75	12210	4.781 ug/l	#	51
38) Carbon Tetrachloride	7.783	117	15378	5.707 ug/l	#	14
76) 1,2,3-Trichloropropane	12.477	75	53778	52.980 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.477	75	53778	102.352 ug/l	#	16

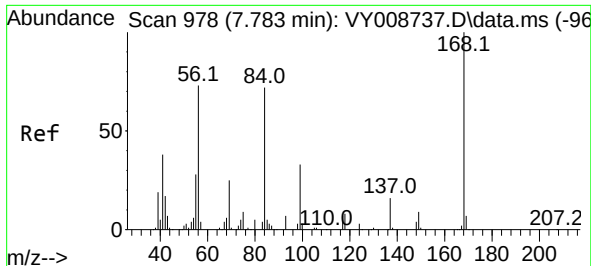
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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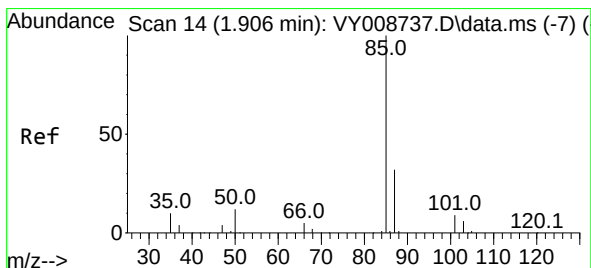
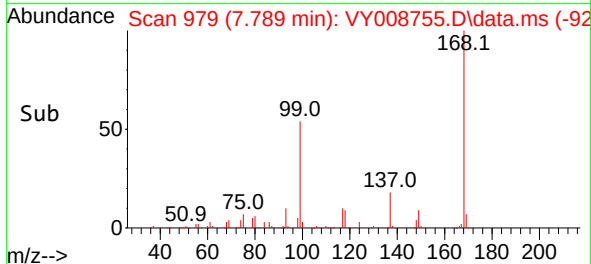
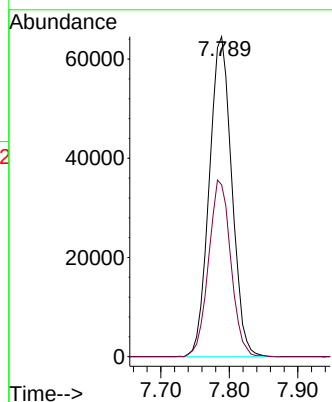
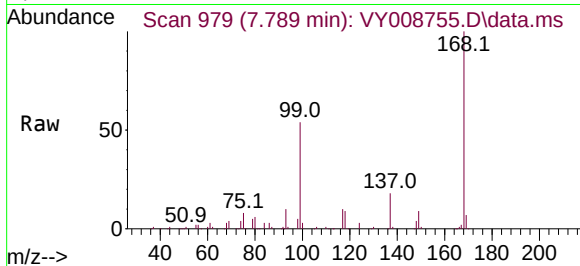




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY008755.D
Acq: 13 May 2022 17:35

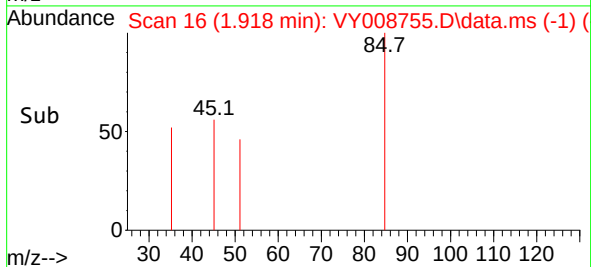
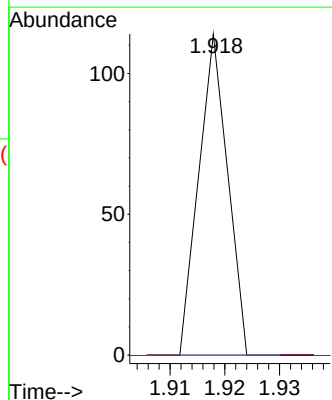
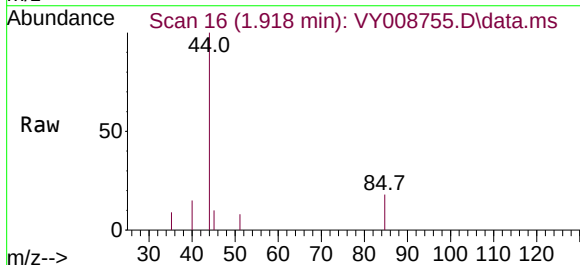
Instrument :
MSVOA_Y
ClientSampleId :
P018-SS001-0006-02

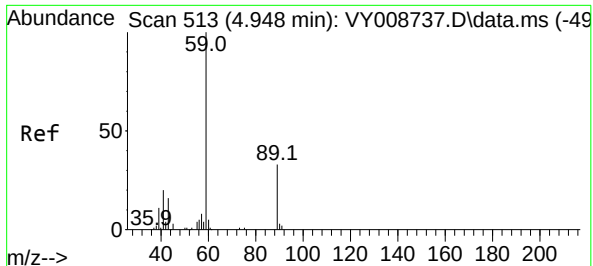
Tgt Ion:168 Resp: 147380
Ion Ratio Lower Upper
168 100
99 53.7 42.3 63.5



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.918 min Scan# 16
Delta R.T. 0.012 min
Lab File: VY008755.D
Acq: 13 May 2022 17:35

Tgt Ion: 85 Resp: 42
Ion Ratio Lower Upper
85 100
87 0.0 16.2 48.6#





#11

Tert butyl alcohol

Concen: 2.059 ug/l

RT: 4.936 min Scan# 511

Delta R.T. -0.012 min

Lab File: VY008755.D

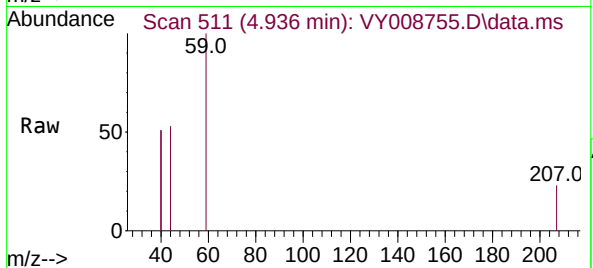
Acq: 13 May 2022 17:35

Instrument :

MSVOA_Y

ClientSampleId :

P018-SS001-0006-02

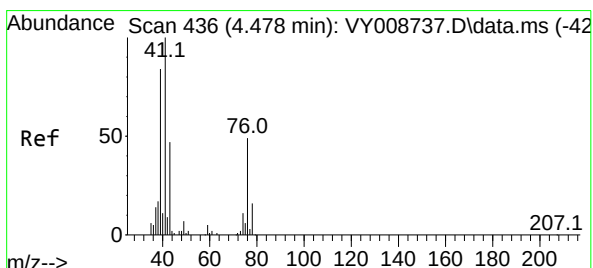
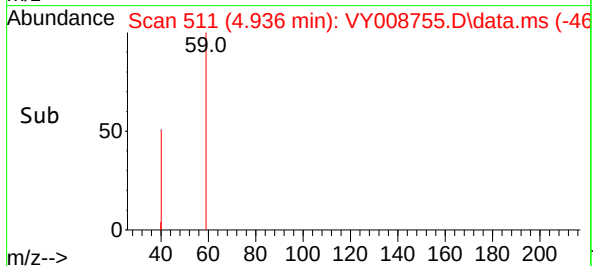
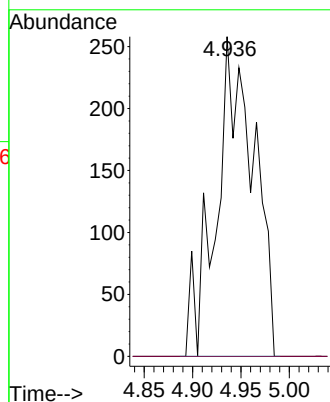


Tgt Ion: 59 Resp: 704

Ion Ratio Lower Upper

59 100

57 0.0 6.7 10.1#



#18

Methyl Acetate

Concen: Below Cal

RT: 4.680 min Scan# 469

Delta R.T. 0.202 min

Lab File: VY008755.D

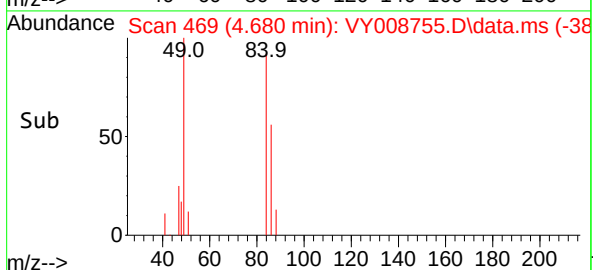
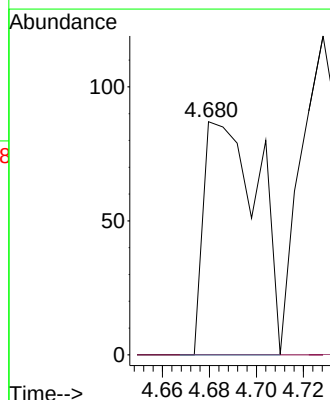
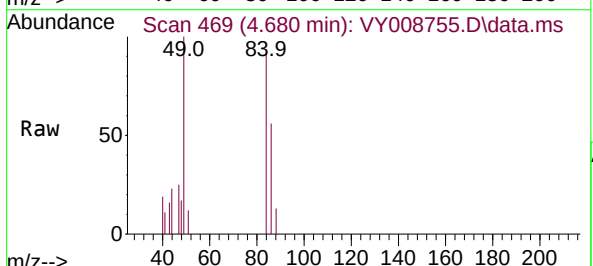
Acq: 13 May 2022 17:35

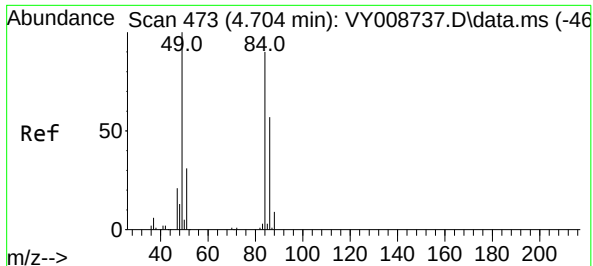
Tgt Ion: 43 Resp: 140

Ion Ratio Lower Upper

43 100

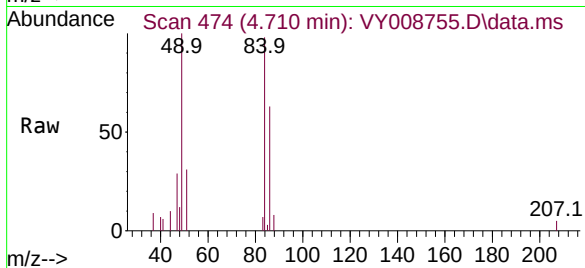
74 0.0 20.6 31.0#



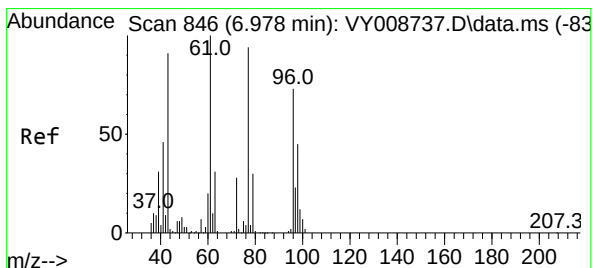
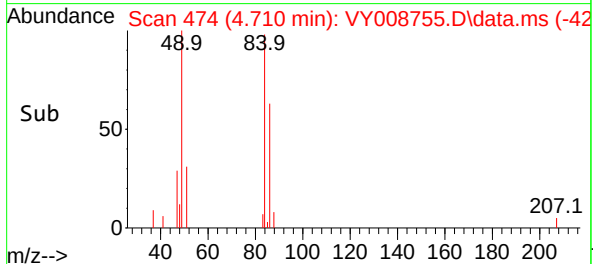
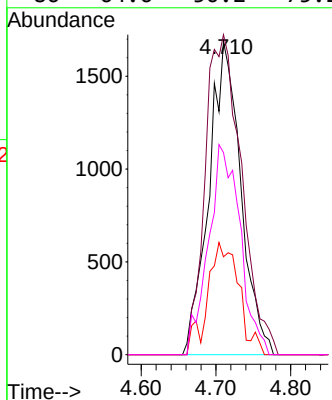


#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY008755.D
Acq: 13 May 2022 17:35

Instrument :
MSVOA_Y
ClientSampleId :
P018-SS001-0006-02

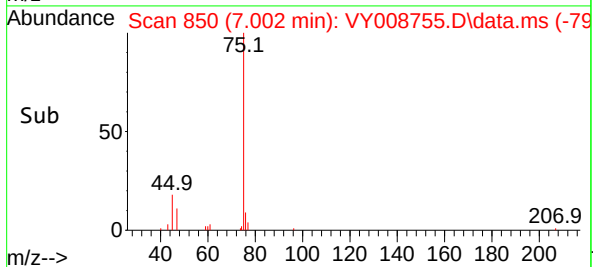
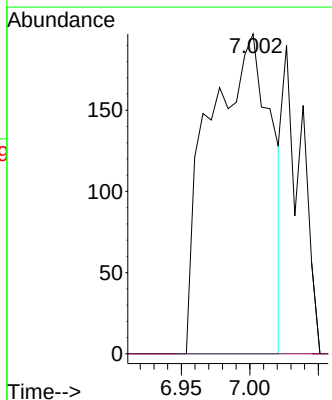
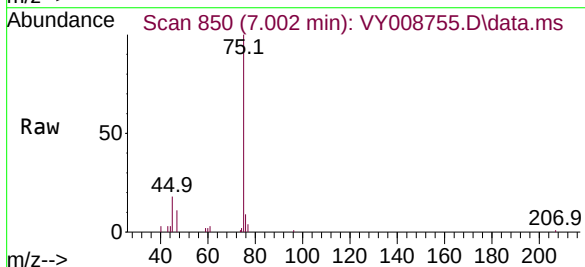


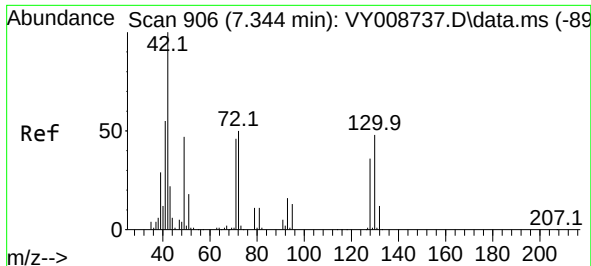
Tgt Ion: 84 Resp: 5015
Ion Ratio Lower Upper
84 100
49 102.2 88.6 133.0
51 31.2 27.4 41.0
86 64.6 50.2 75.2



#25
2-Butanone
Concen: 1.191 ug/l
RT: 7.002 min Scan# 850
Delta R.T. 0.024 min
Lab File: VY008755.D
Acq: 13 May 2022 17:35

Tgt Ion: 43 Resp: 620
Ion Ratio Lower Upper
43 100
72 0.0 25.0 37.4#





#29

Tetrahydrofuran

Concen: 1.013 ug/l

RT: 7.356 min Scan# 906

Delta R.T. 0.012 min

Lab File: VY008755.D

Acq: 13 May 2022 17:35

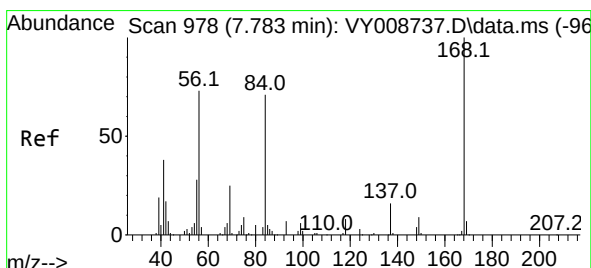
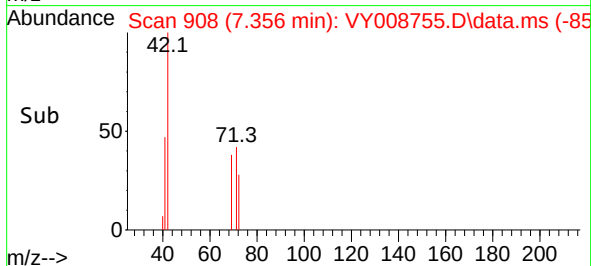
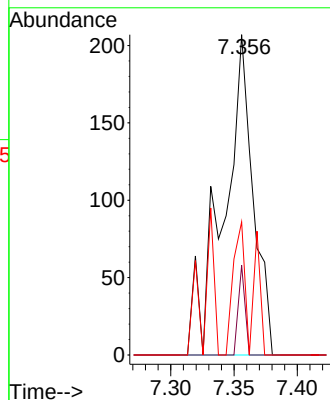
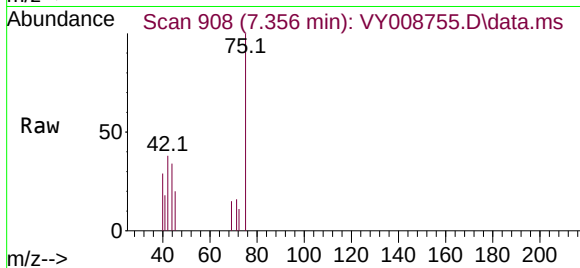
Instrument :

MSVOA_Y

ClientSampleId :

P018-SS001-0006-02

Tgt Ion:	42	Resp:	340
Ion	Ratio	Lower	Upper
42	100		
72	6.2	40.7	61.1#
71	24.4	37.4	56.0#



#31

Cyclohexane

Concen: Below Cal

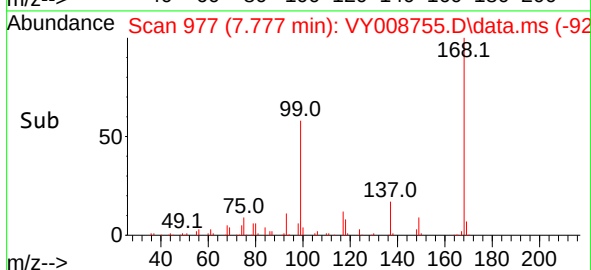
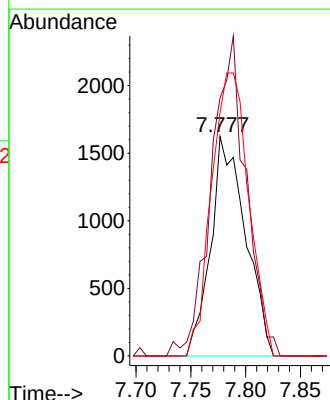
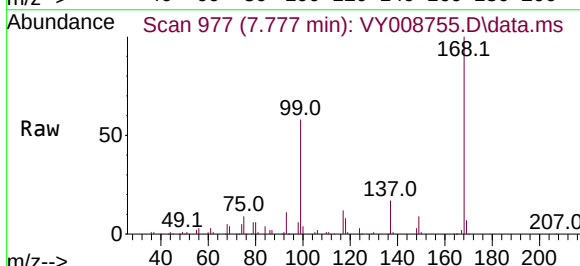
RT: 7.777 min Scan# 977

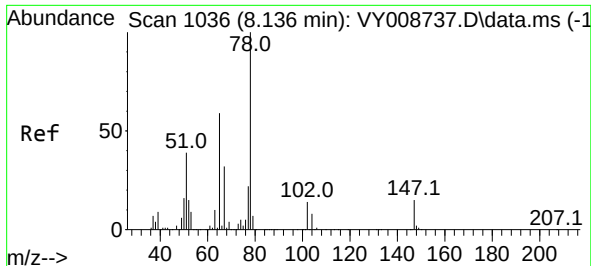
Delta R.T. -0.006 min

Lab File: VY008755.D

Acq: 13 May 2022 17:35

Tgt Ion:	56	Resp:	3578
Ion	Ratio	Lower	Upper
56	100		
69	117.6	27.4	41.0#
84	110.8	77.5	116.3

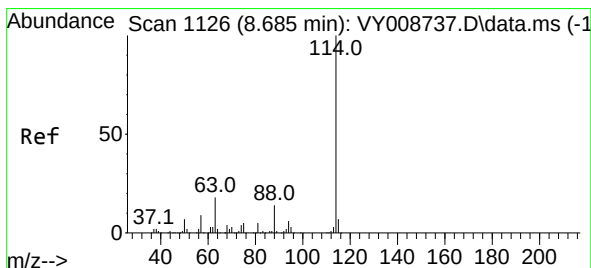
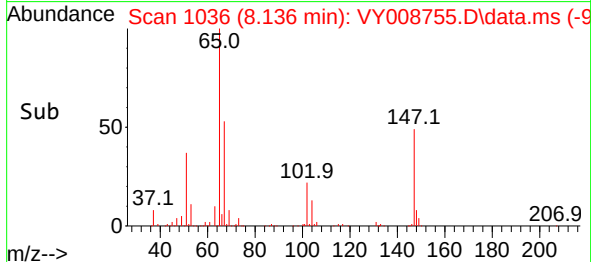
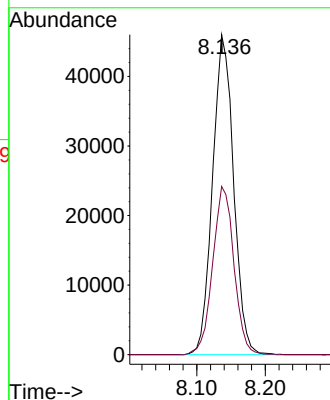
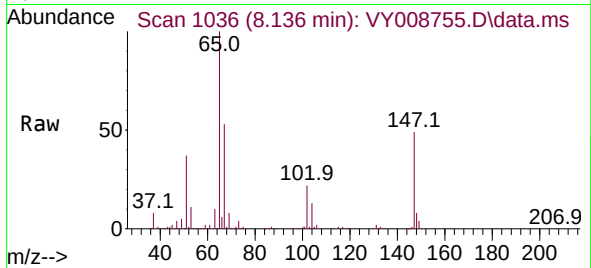




#33
 1,2-Dichloroethane-d4
 Concen: 66.721 ug/l
 RT: 8.136 min Scan# 1036
 Delta R.T. -0.000 min
 Lab File: VY008755.D
 Acq: 13 May 2022 17:35

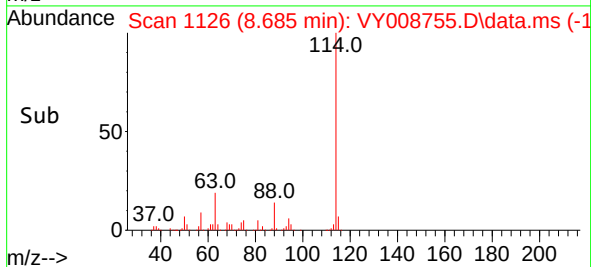
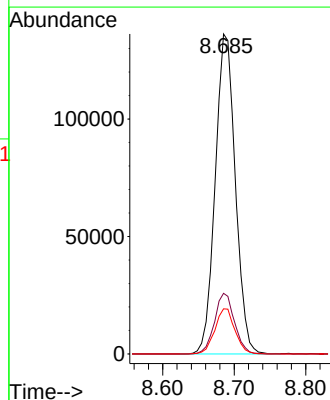
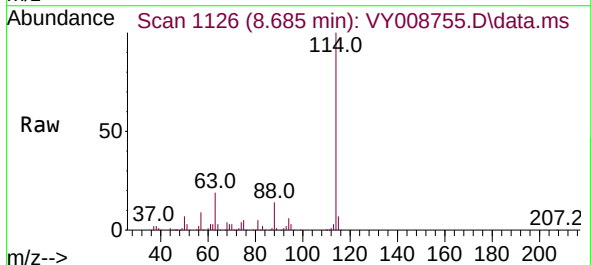
Instrument :
 MSVOA_Y
 ClientSampleId :
 P018-SS001-0006-02

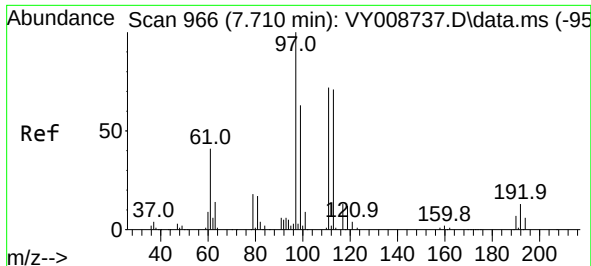
Tgt Ion: 65 Resp: 97930
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 110.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.685 min Scan# 1126
 Delta R.T. -0.000 min
 Lab File: VY008755.D
 Acq: 13 May 2022 17:35

Tgt Ion: 114 Resp: 266105
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 36.4
 88 14.1 0.0 27.4

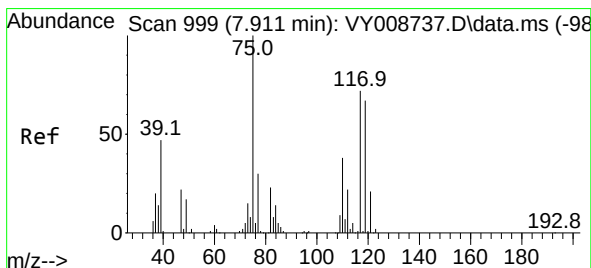
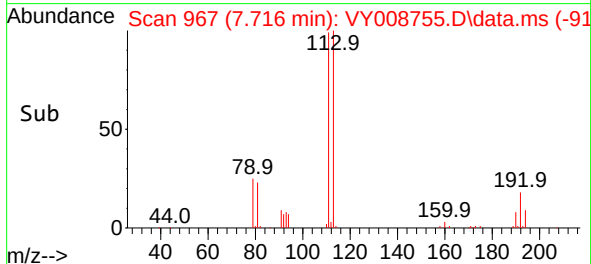
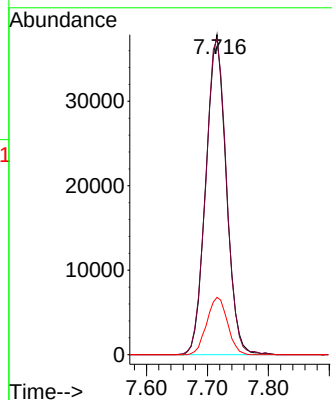
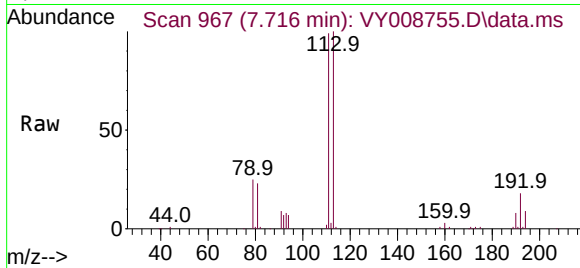




#35
Dibromofluoromethane
Concen: 55.186 ug/l
RT: 7.716 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY008755.D
Acq: 13 May 2022 17:35

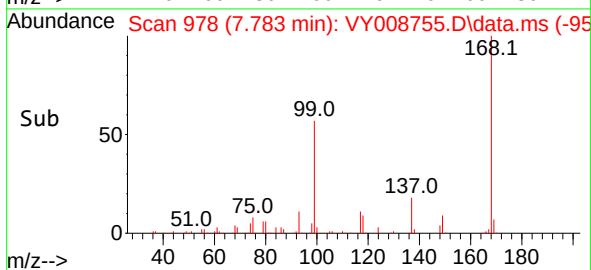
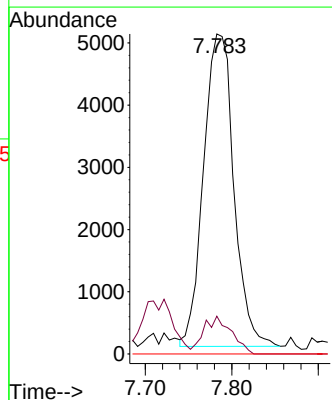
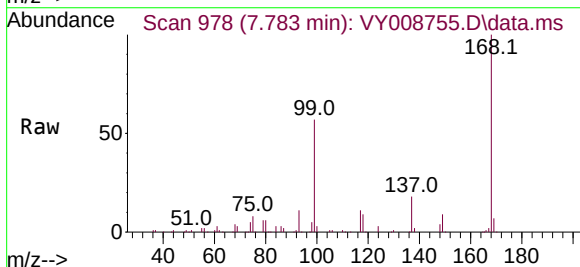
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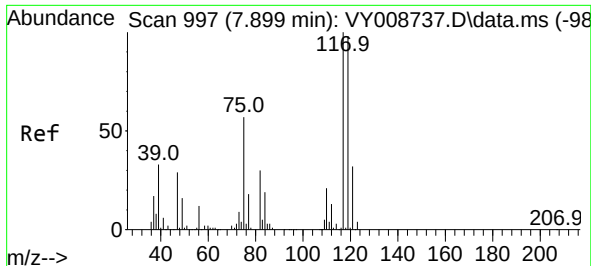
Tgt Ion:	113	Resp:	88139
Ion	Ratio	Lower	Upper
113	100		
111	100.8	81.8	122.6
192	18.1	14.5	21.7



#36
1,1-Dichloropropene
Concen: 4.781 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY008755.D
Acq: 13 May 2022 17:35

Tgt Ion:	75	Resp:	12210
Ion	Ratio	Lower	Upper
75	100		
110	11.0	18.1	54.1#
77	0.0	24.3	36.5#

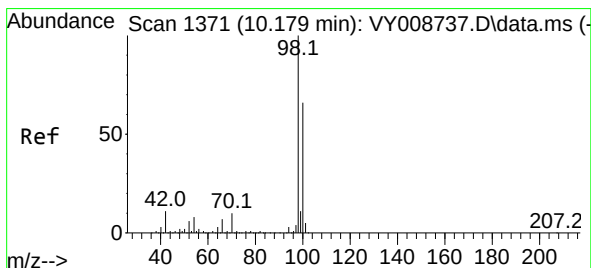
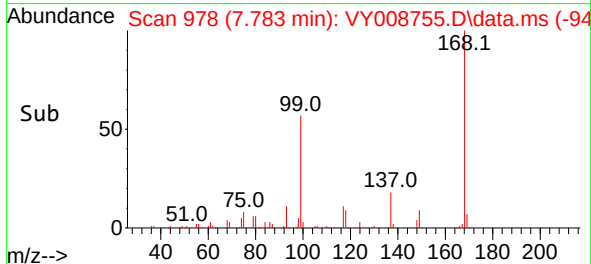
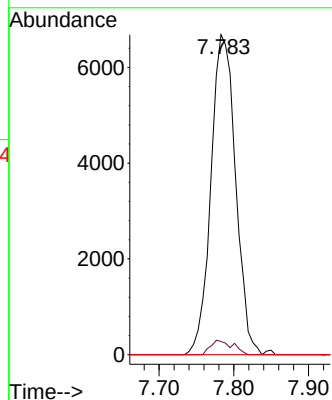
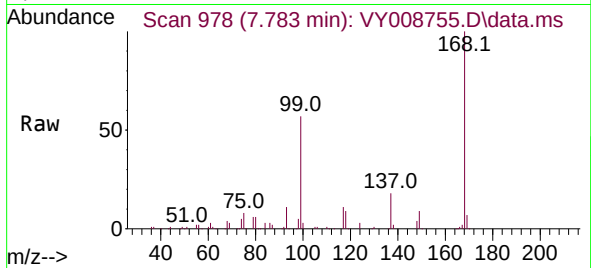




#38
Carbon Tetrachloride
Concen: 5.707 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY008755.D
Acq: 13 May 2022 17:35

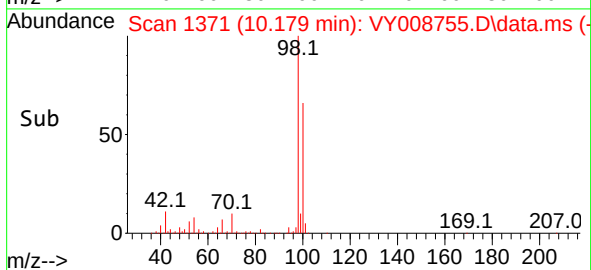
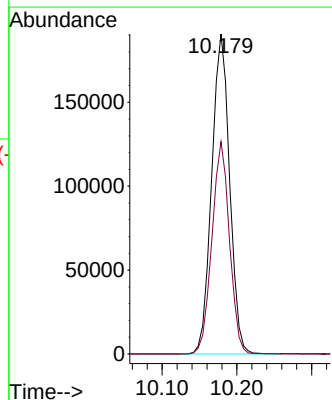
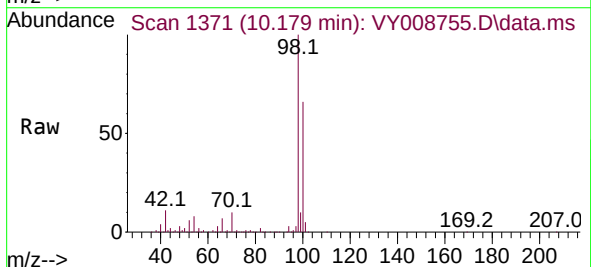
Instrument :
MSVOA_Y
ClientSampleId :
P018-SS001-0006-02

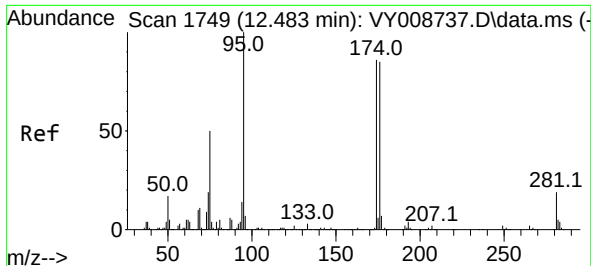
Tgt Ion:117 Resp: 15378
Ion Ratio Lower Upper
117 100
119 4.1 78.5 117.7#
121 0.0 25.8 38.8#



#50
Toluene-d8
Concen: 52.826 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY008755.D
Acq: 13 May 2022 17:35

Tgt Ion: 98 Resp: 318179
Ion Ratio Lower Upper
98 100
100 65.0 52.8 79.2

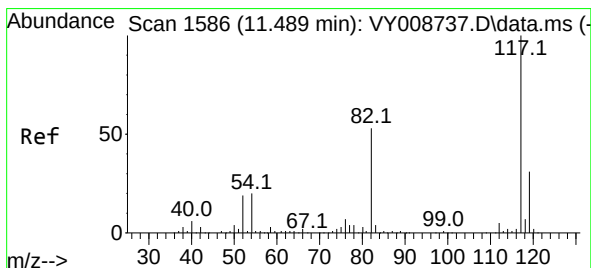
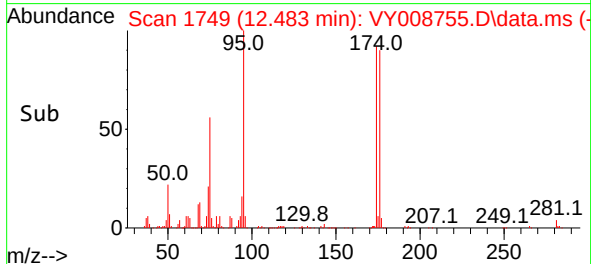
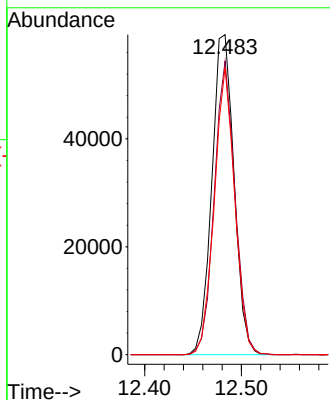
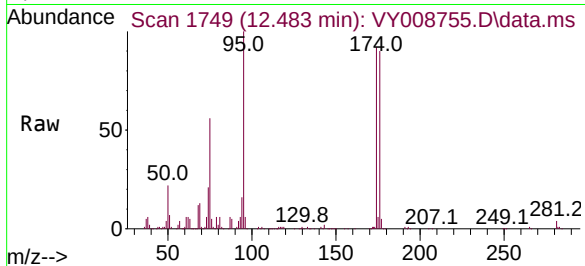




#62
4-Bromofluorobenzene
Concen: 45.189 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY008755.D
Acq: 13 May 2022 17:35

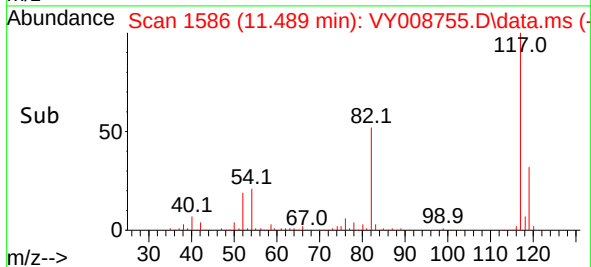
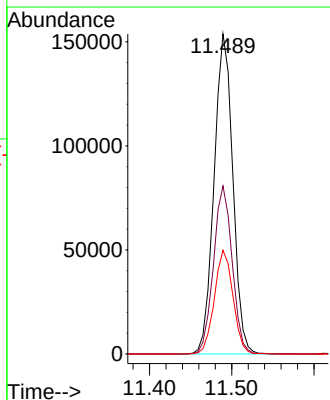
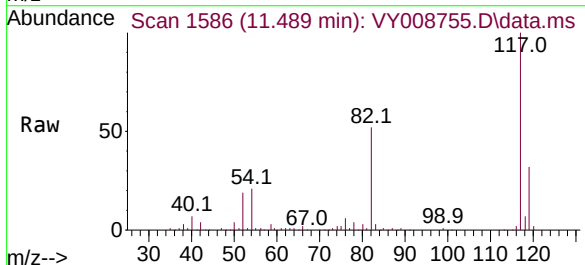
Instrument :
MSVOA_Y
ClientSampleId :
P018-SS001-0006-02

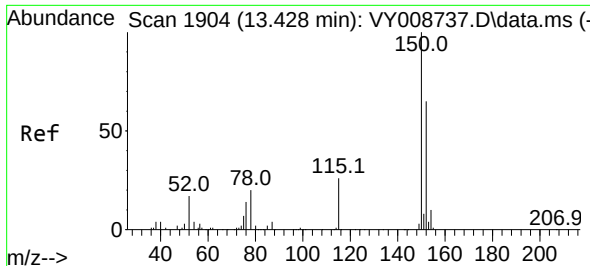
Tgt Ion: 95 Resp: 94302
Ion Ratio Lower Upper
95 100
174 85.8 0.0 171.2
176 82.8 0.0 168.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY008755.D
Acq: 13 May 2022 17:35

Tgt Ion: 117 Resp: 243746
Ion Ratio Lower Upper
117 100
82 52.5 42.3 63.5
119 32.4 24.6 37.0

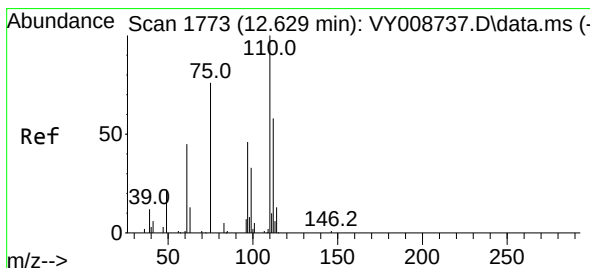
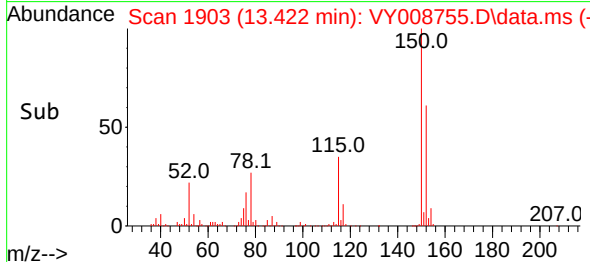
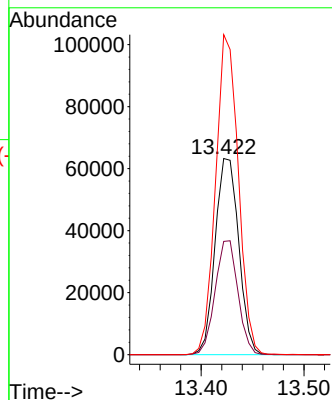
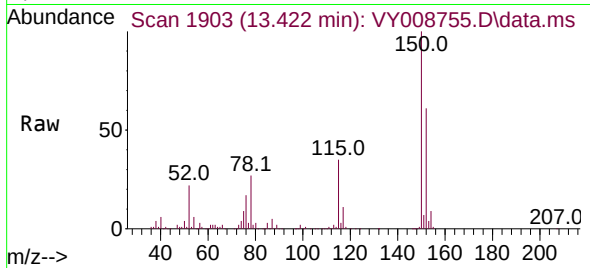




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: VY008755.D
 Acq: 13 May 2022 17:35

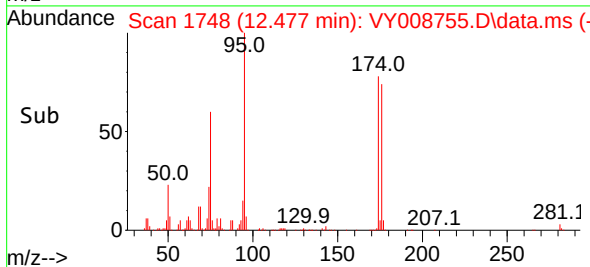
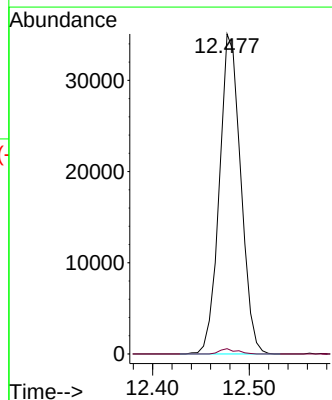
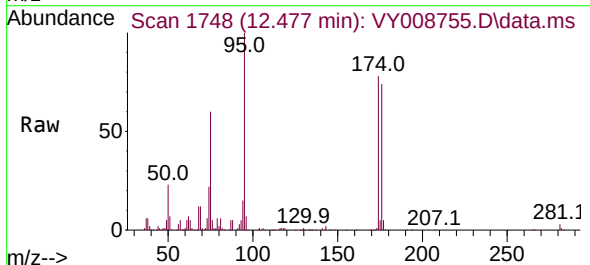
Instrument :
 MSVOA_Y
 ClientSampleId :
 P018-SS001-0006-02

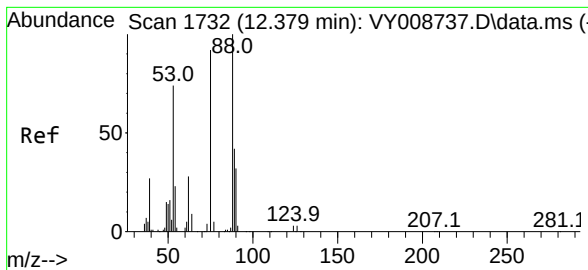
Tgt Ion:152 Resp: 100873
 Ion Ratio Lower Upper
 152 100
 115 56.3 28.2 84.7
 150 157.1 0.0 348.2



#76
 1,2,3-Trichloropropane
 Concen: 52.980 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.152 min
 Lab File: VY008755.D
 Acq: 13 May 2022 17:35

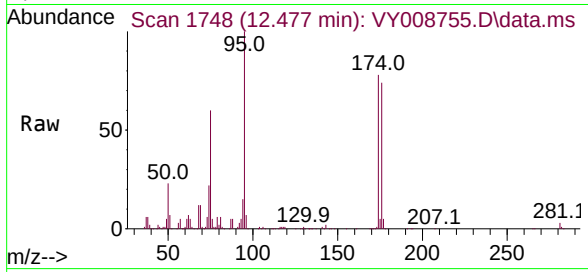
Tgt Ion: 75 Resp: 53778
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 102.352 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY008755.D
 Acq: 13 May 2022 17:35

Instrument :
 MSVOA_Y
 ClientSampleId :
 P018-SS001-0006-02



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	66.3	99.5#
89	0.0	36.8	55.2#

