

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010923\
 Data File : VY012126.D
 Acq On : 09 Jan 2023 21:15
 Operator : KP/MD
 Sample : 01057-05
 Misc : 6.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VOC-4

Quant Time: Jan 10 01:51:50 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010623S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 07 01:46:48 2023
 Response via : Initial Calibration

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

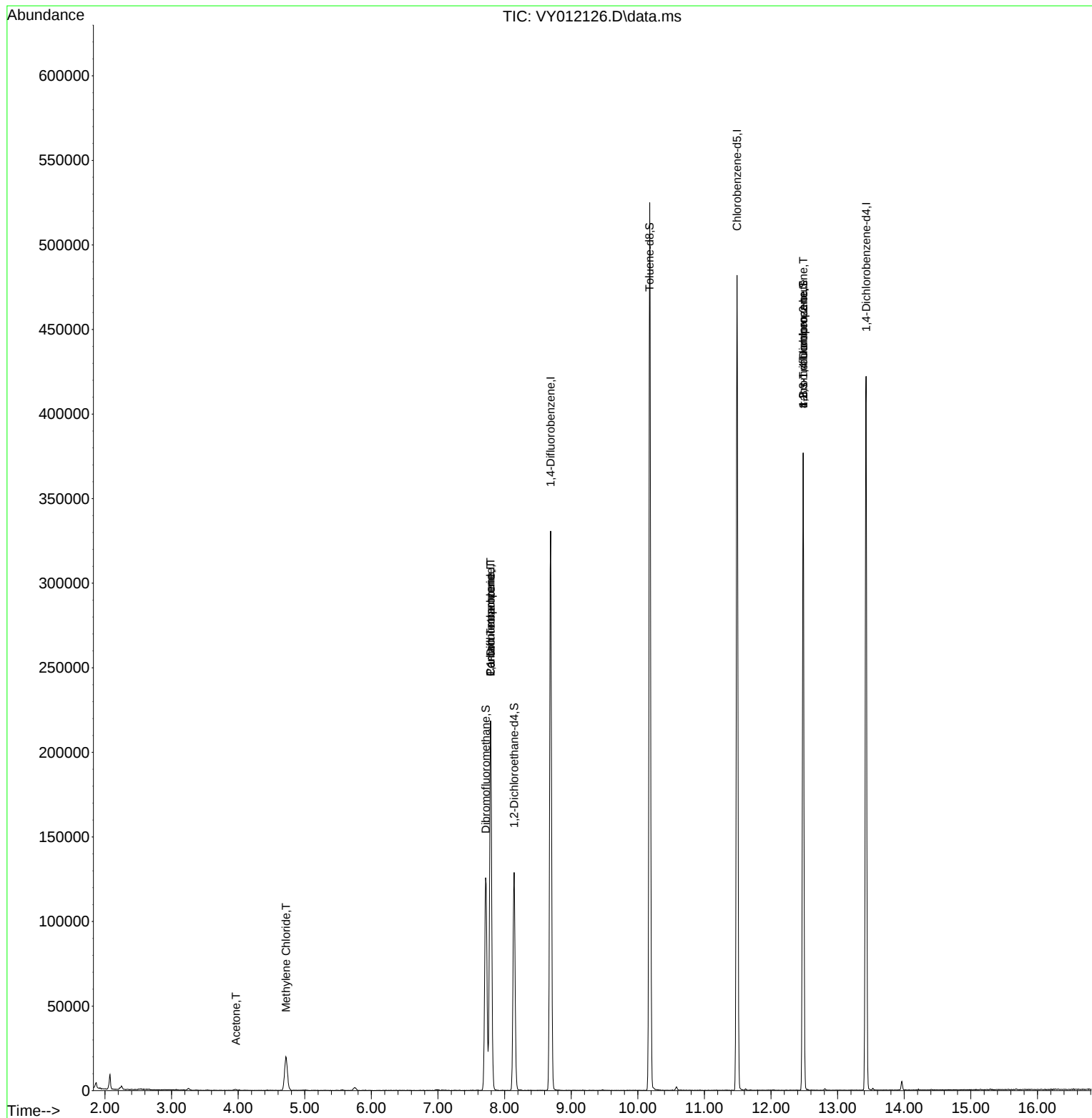
Internal Standards						
1) Pentafluorobenzene	7.789	168	169463	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	288943	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	270279	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	113948	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	106395	55.874	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 111.740%	
35) Dibromofluoromethane	7.716	113	88040	46.357	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 92.720%	
50) Toluene-d8	10.179	98	344030	45.895	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 91.780%	
62) 4-Bromofluorobenzene	12.483	95	106650	40.703	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 81.400%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	42	Below Cal	#	41
3) Chloromethane	2.119	50	121	Below Cal	#	41
5) Bromomethane	2.662	94	75	Below Cal	#	1
11) Tert butyl alcohol	4.960	59	160	Below Cal	#	74
16) Acetone	3.966	43	1083	2.418	ug/l #	76
20) Methylene Chloride	4.716	84	15732	2.711	ug/l	94
31) Cyclohexane	7.789	56	3148	Below Cal	#	1
36) 1,1-Dichloropropene	7.789	75	11457	3.976	ug/l #	51
38) Carbon Tetrachloride	7.789	117	16915	4.625	ug/l #	19
76) 1,2,3-Trichloropropane	12.483	75	57333	44.066	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	57333	97.865	ug/l #	13

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

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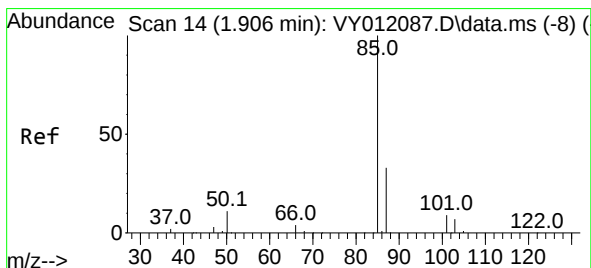
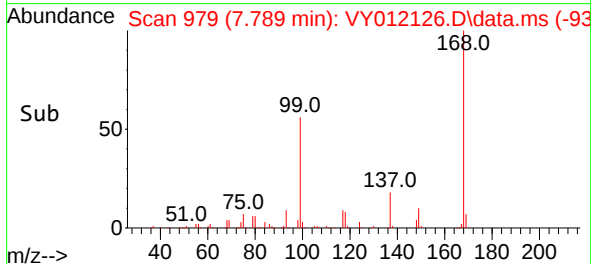
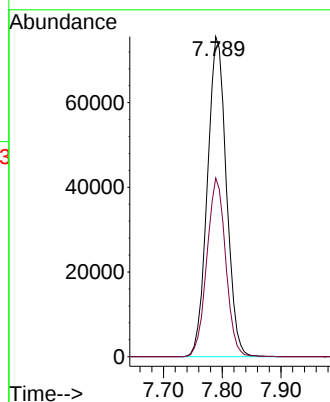
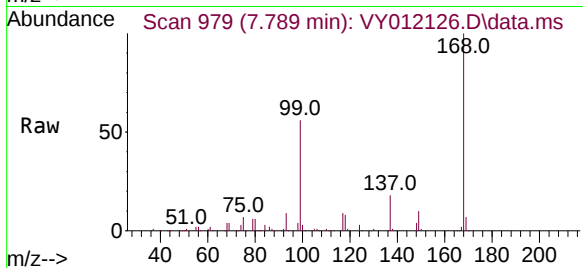




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012126.D
Acq: 09 Jan 2023 21:15

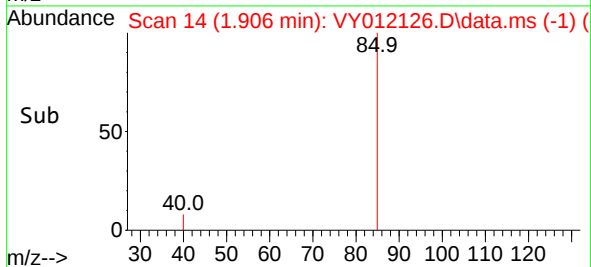
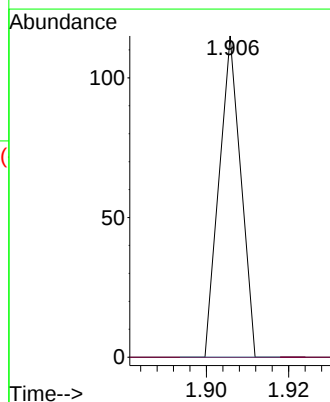
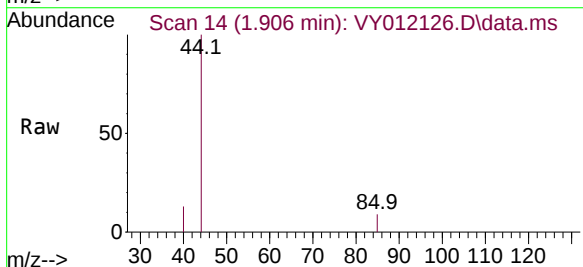
Instrument :
MSVOA_Y
ClientSampleId :
VOC-4

Tgt Ion:168 Resp: 169463
Ion Ratio Lower Upper
168 100
99 55.8 44.0 66.0

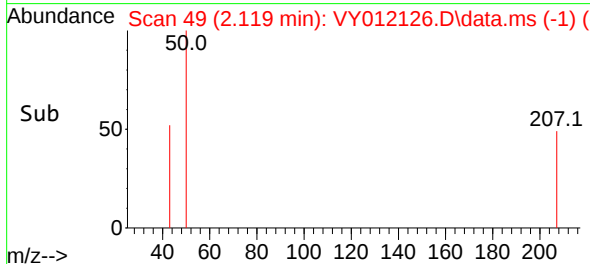
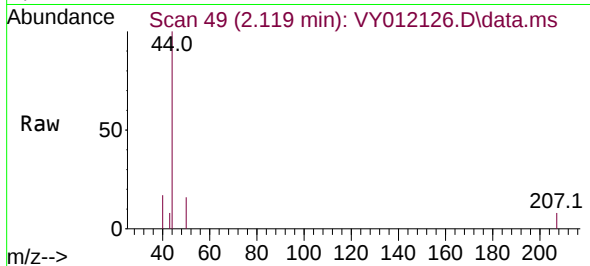
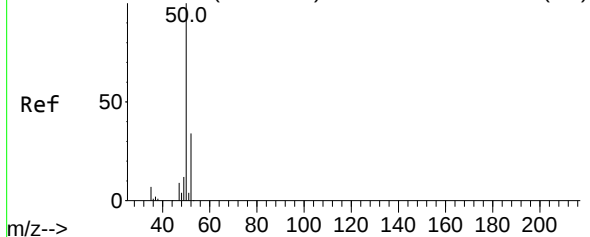


#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY012126.D
Acq: 09 Jan 2023 21:15

Tgt Ion: 85 Resp: 42
Ion Ratio Lower Upper
85 100
87 0.0 16.8 50.4#



Abundance Scan 48 (2.113 min): VY012087.D\data.ms (-38)



#3

Chloromethane

Concen: Below Cal

RT: 2.119 min Scan# 49

Delta R.T. 0.006 min

Lab File: VY012126.D

Acq: 09 Jan 2023 21:15

Instrument :

MSVOA_Y

ClientSampleId :

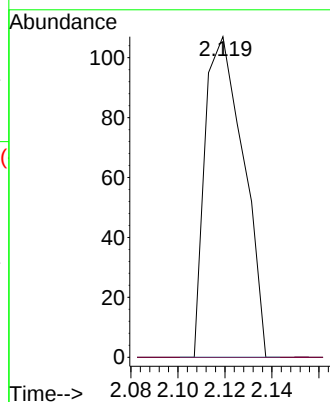
VOC-4

Tgt Ion: 50 Resp: 121

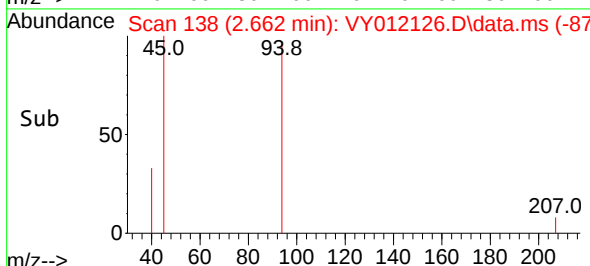
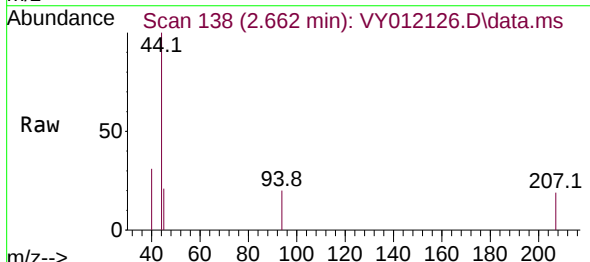
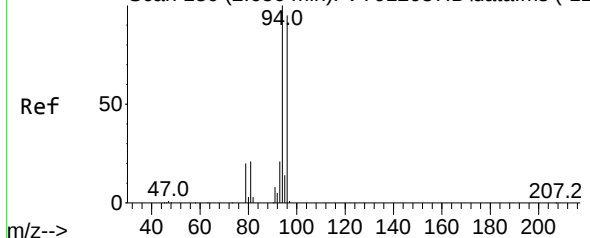
Ion Ratio Lower Upper

50 100

52 0.0 26.8 40.2#



Abundance Scan 136 (2.650 min): VY012087.D\data.ms (-12)



#5

Bromomethane

Concen: Below Cal

RT: 2.662 min Scan# 138

Delta R.T. 0.012 min

Lab File: VY012126.D

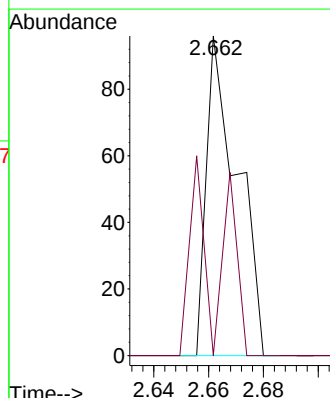
Acq: 09 Jan 2023 21:15

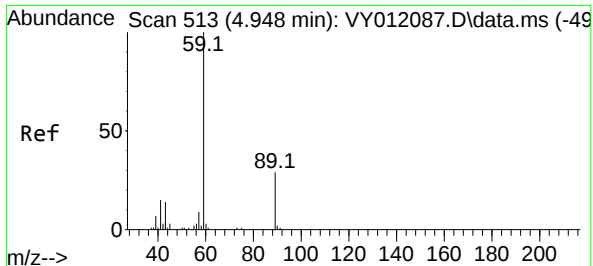
Tgt Ion: 94 Resp: 75

Ion Ratio Lower Upper

94 100

96 0.0 77.4 116.2#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.960 min Scan# 513

Delta R.T. 0.012 min

Lab File: VY012126.D

Acq: 09 Jan 2023 21:15

Instrument :

MSVOA_Y

ClientSampleId :

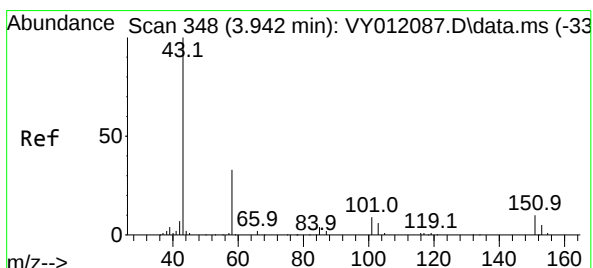
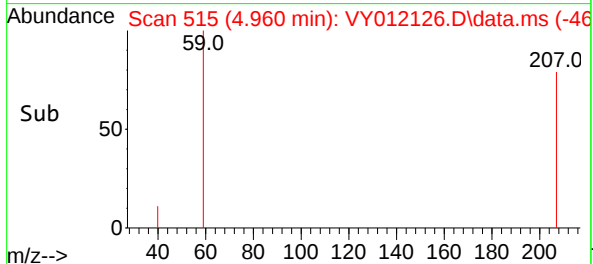
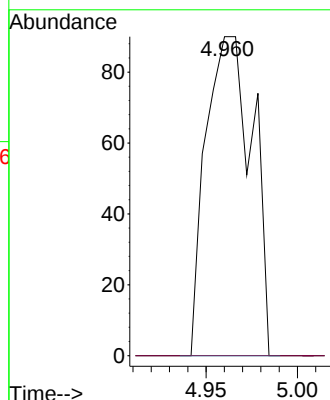
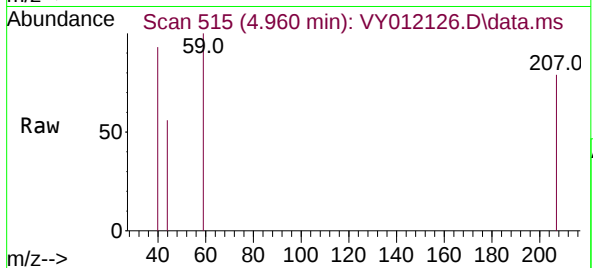
VOC-4

Tgt Ion: 59 Resp: 160

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.2#



#16

Acetone

Concen: 2.418 ug/l

RT: 3.966 min Scan# 352

Delta R.T. 0.024 min

Lab File: VY012126.D

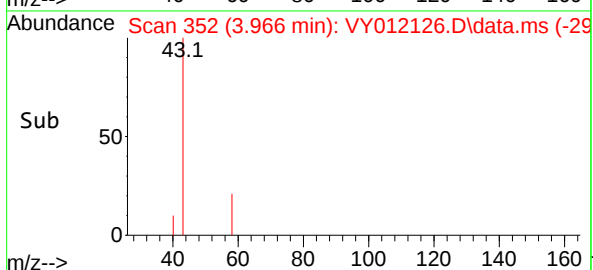
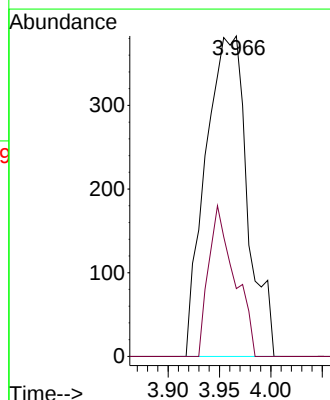
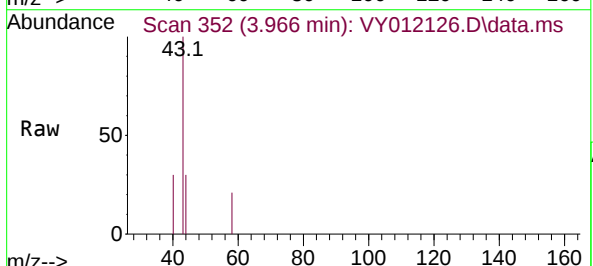
Acq: 09 Jan 2023 21:15

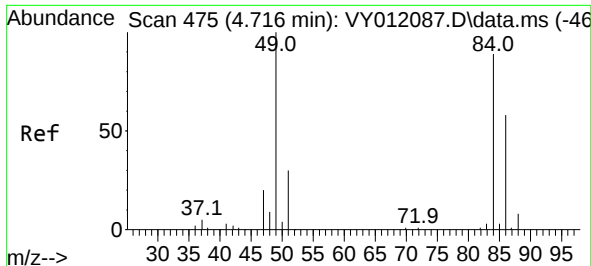
Tgt Ion: 43 Resp: 1083

Ion Ratio Lower Upper

43 100

58 21.1 27.9 41.9#

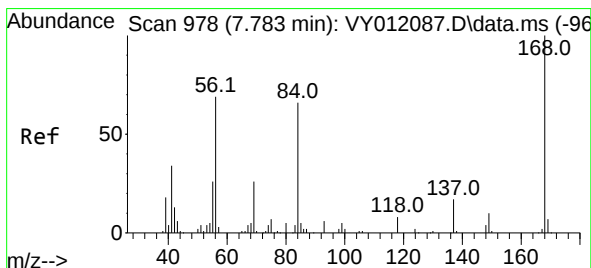
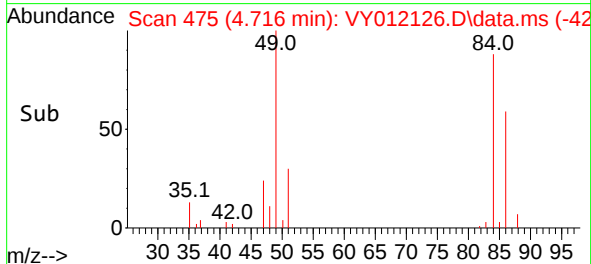
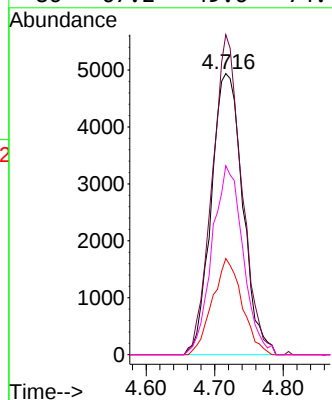
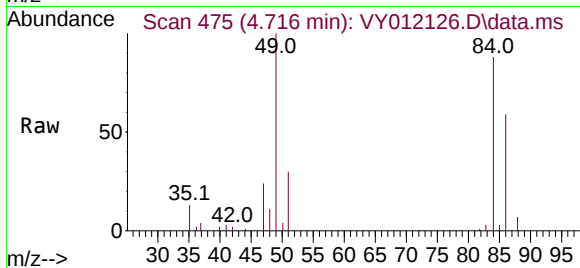




#20
Methylene Chloride
Concen: 2.711 ug/l
RT: 4.716 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY012126.D
Acq: 09 Jan 2023 21:15

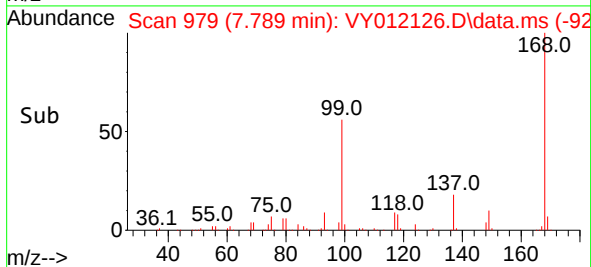
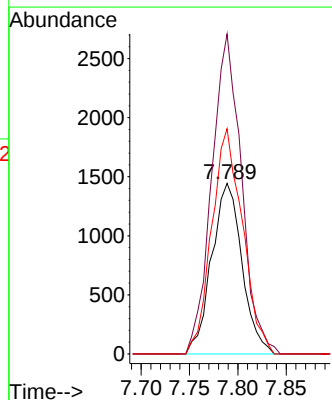
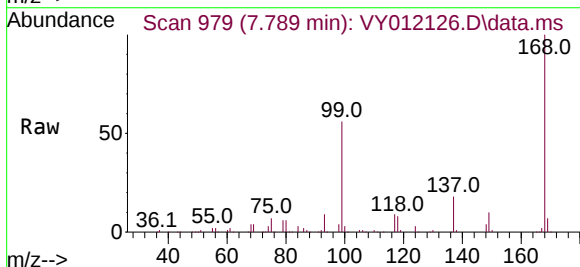
Instrument :
MSVOA_Y
ClientSampleId :
VOC-4

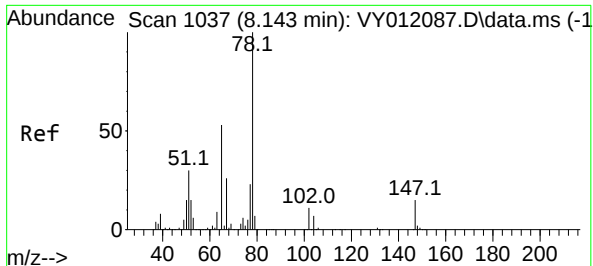
Tgt Ion: 84	Resp: 15732
Ion Ratio	Lower Upper
84 100	
49 113.9	95.4 143.2
51 34.2	29.9 44.9
86 67.2	49.6 74.4



#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 979
Delta R.T. 0.006 min
Lab File: VY012126.D
Acq: 09 Jan 2023 21:15

Tgt Ion: 56	Resp: 3148		
Ion Ratio	Lower	Upper	
56	100		
69	187.7	29.2	43.8#
84	132.1	72.6	108.8#





#33

1,2-Dichloroethane-d4

Concen: 55.874 ug/l

RT: 8.142 min Scan# 1103

Delta R.T. -0.001 min

Lab File: VY012126.D

Acq: 09 Jan 2023 21:15

Instrument :

MSVOA_Y

ClientSampleId :

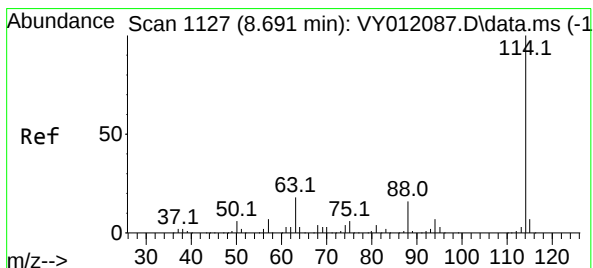
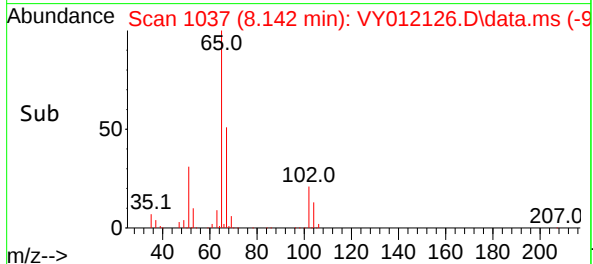
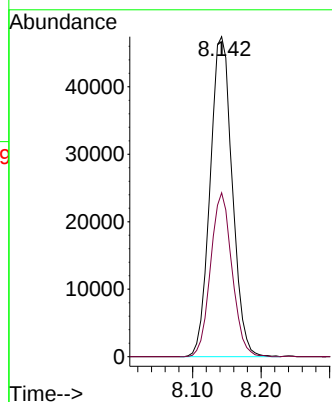
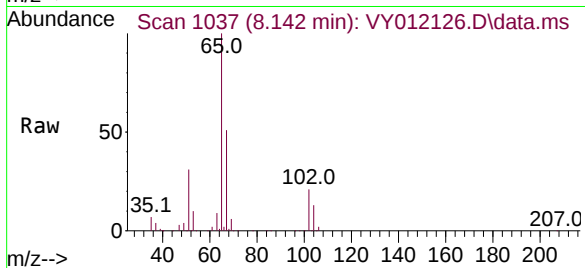
VOC-4

Tgt Ion: 65 Resp: 106395

Ion Ratio Lower Upper

65 100

67 49.6 0.0 103.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY012126.D

Acq: 09 Jan 2023 21:15

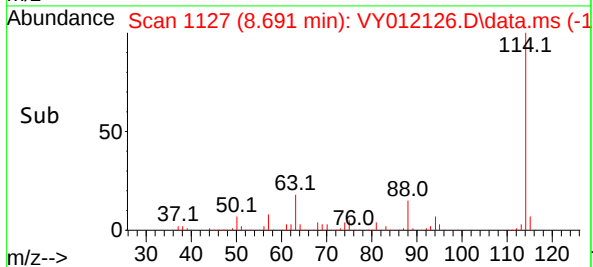
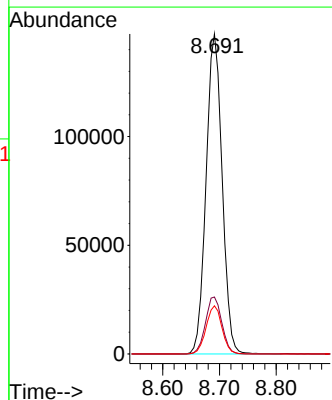
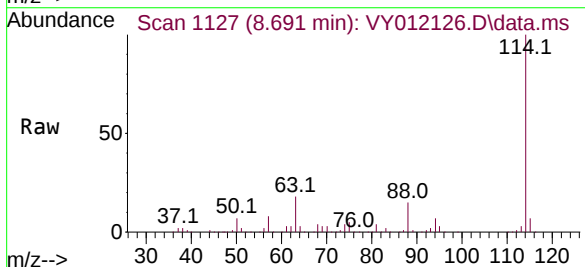
Tgt Ion:114 Resp: 288943

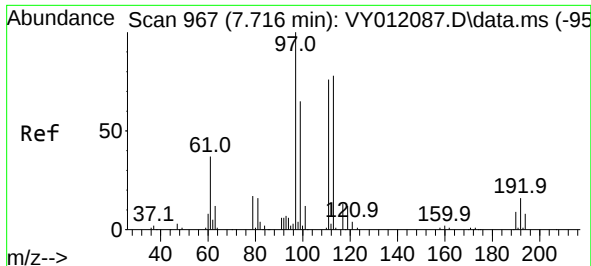
Ion Ratio Lower Upper

114 100

63 17.8 0.0 39.6

88 15.1 0.0 32.2

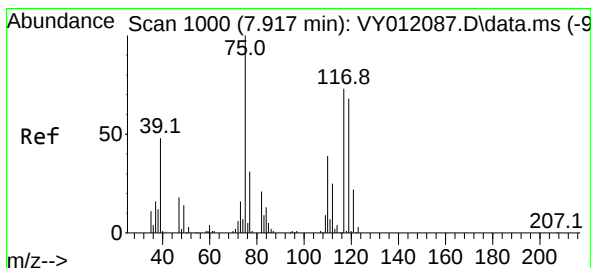
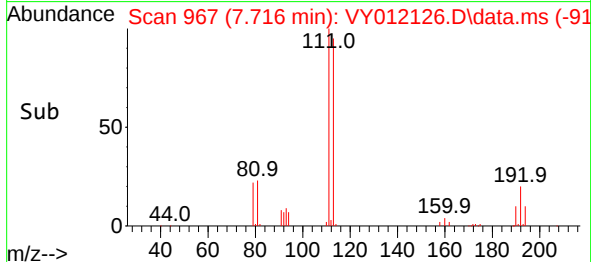
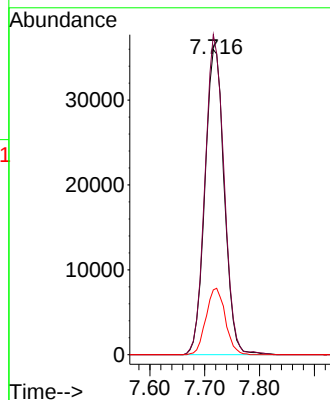
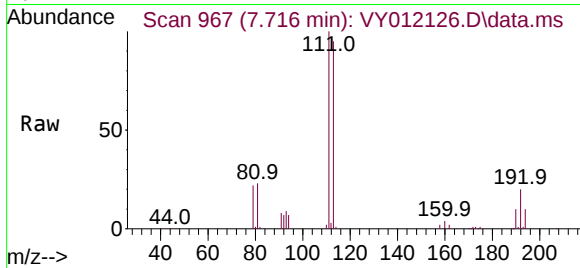




#35
Dibromofluoromethane
Concen: 46.357 ug/l
RT: 7.716 min Scan# 912
Delta R.T. -0.000 min
Lab File: VY012126.D
Acq: 09 Jan 2023 21:15

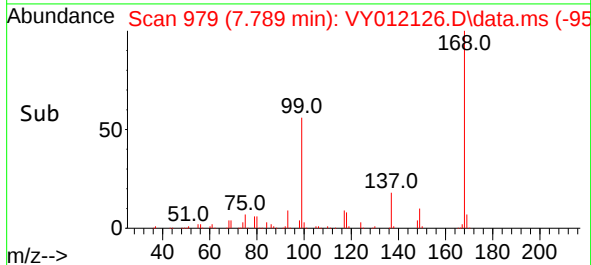
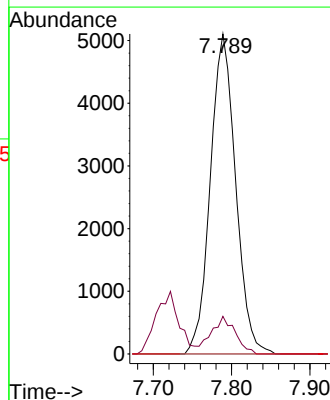
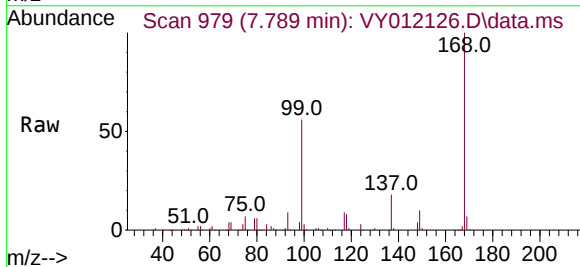
Instrument :
MSVOA_Y
ClientSampleId :
VOC-4

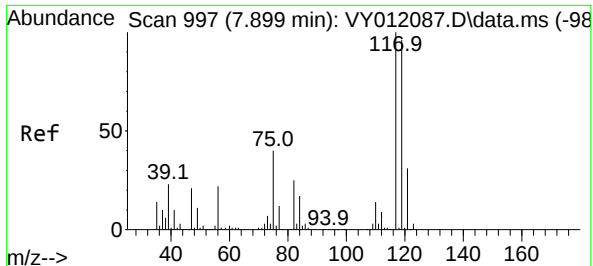
Tgt Ion:113 Resp: 88040
Ion Ratio Lower Upper
113 100
111 103.3 83.0 124.4
192 21.7 16.0 24.0



#36
1,1-Dichloropropene
Concen: 3.976 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY012126.D
Acq: 09 Jan 2023 21:15

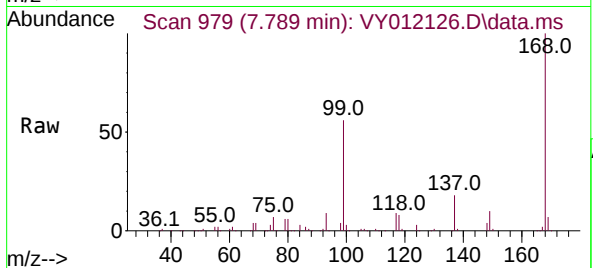
Tgt Ion: 75 Resp: 11457
Ion Ratio Lower Upper
75 100
110 10.9 18.1 54.1#
77 0.0 25.1 37.7#



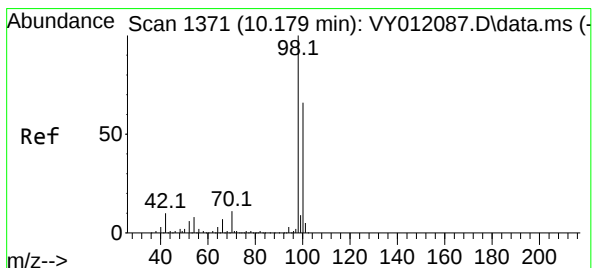
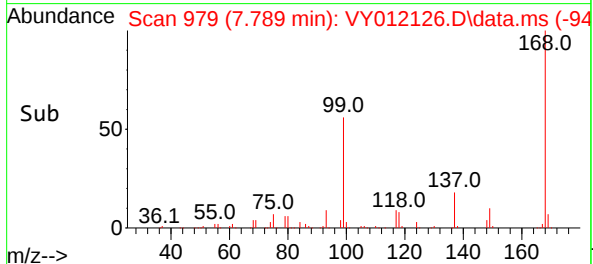
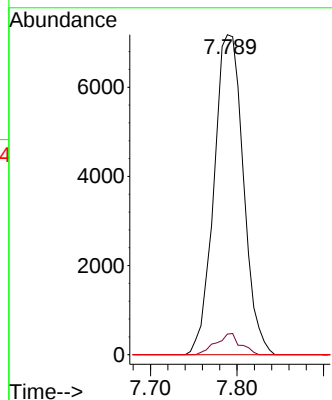


#38
Carbon Tetrachloride
Concen: 4.625 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY012126.D
Acq: 09 Jan 2023 21:15

Instrument :
MSVOA_Y
ClientSampleId :
VOC-4

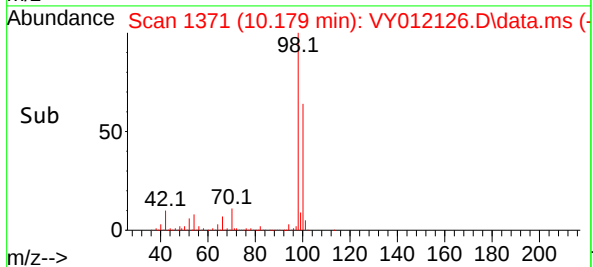
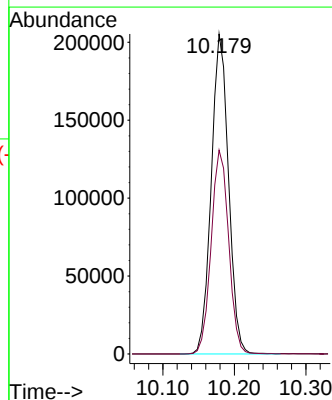
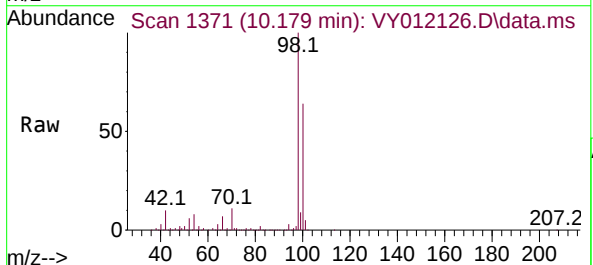


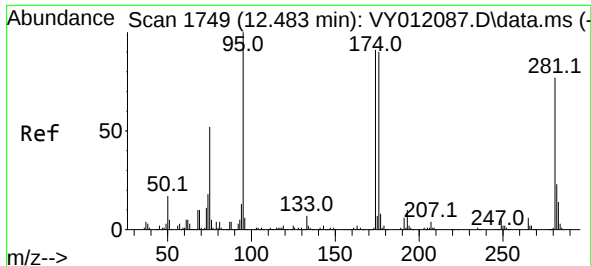
Tgt Ion:117 Resp: 16915
Ion Ratio Lower Upper
117 100
119 6.5 73.8 110.8#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 45.895 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012126.D
Acq: 09 Jan 2023 21:15

Tgt Ion: 98 Resp: 344030
Ion Ratio Lower Upper
98 100
100 64.6 51.9 77.9

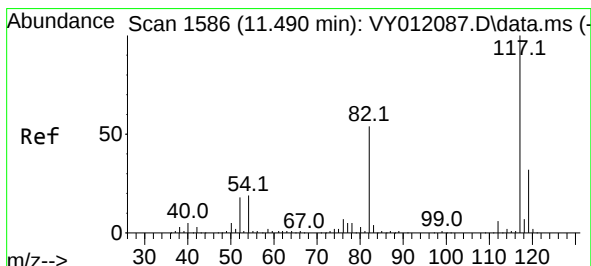
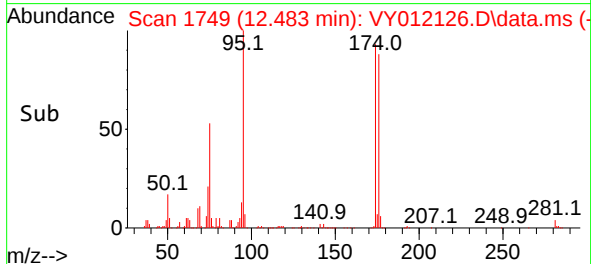
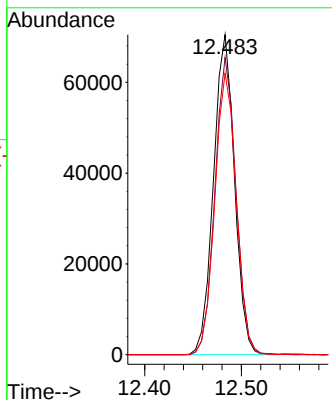
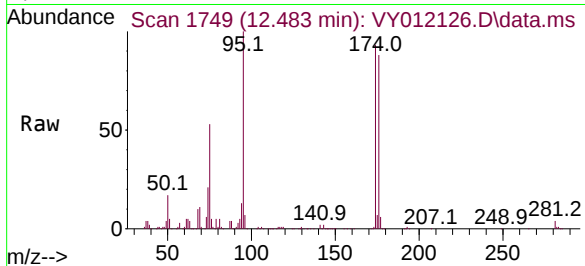




#62
4-Bromofluorobenzene
Concen: 40.703 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012126.D
Acq: 09 Jan 2023 21:15

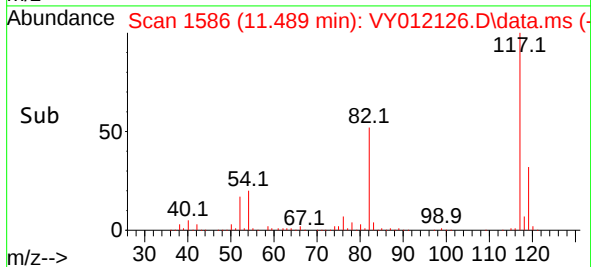
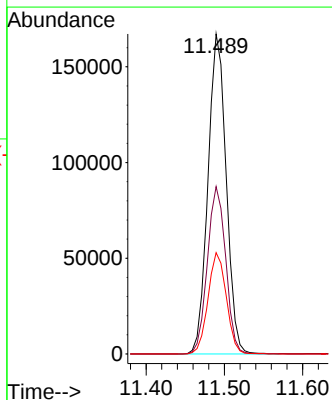
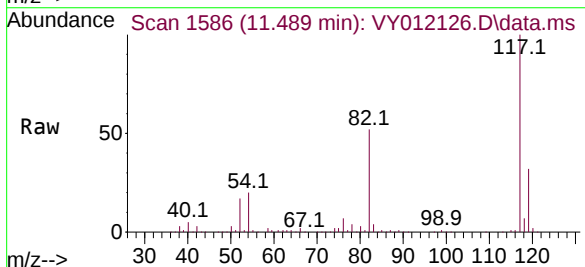
Instrument :
MSVOA_Y
ClientSampleId :
VOC-4

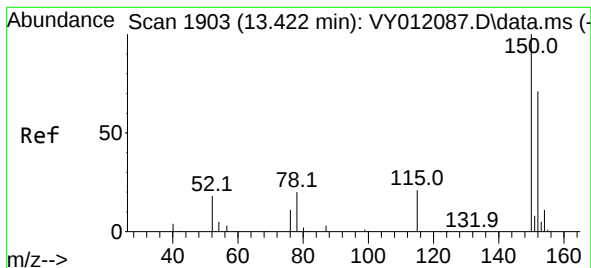
Tgt Ion: 95 Resp: 106650
Ion Ratio Lower Upper
95 100
174 93.1 0.0 172.0
176 89.5 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY012126.D
Acq: 09 Jan 2023 21:15

Tgt Ion: 117 Resp: 270279
Ion Ratio Lower Upper
117 100
82 52.3 44.8 67.2
119 31.6 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1903

Delta R.T. 0.006 min

Lab File: VY012126.D

Acq: 09 Jan 2023 21:15

Instrument :

MSVOA_Y

ClientSampleId :

VOC-4

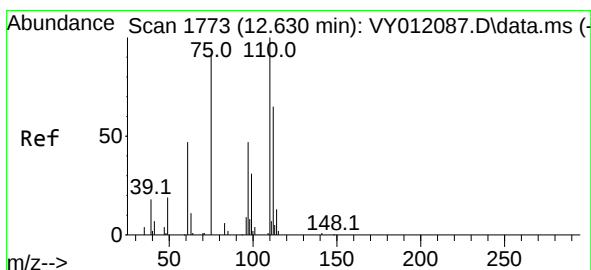
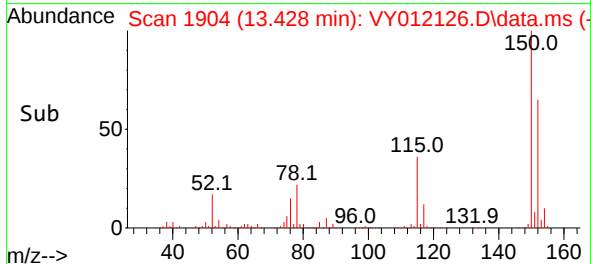
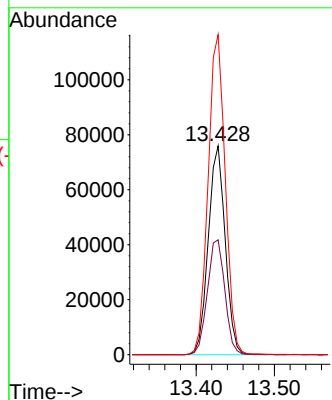
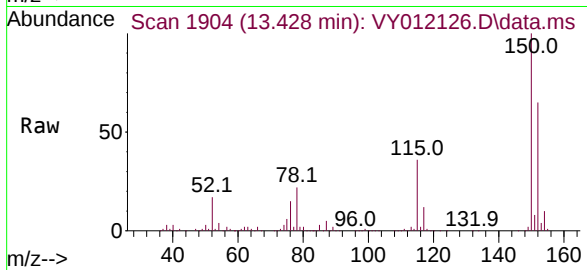
Tgt Ion:152 Resp: 113948

Ion Ratio Lower Upper

152 100

115 56.7 29.1 87.3

150 155.1 0.0 342.6



#76

1,2,3-Trichloropropane

Concen: 44.066 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.147 min

Lab File: VY012126.D

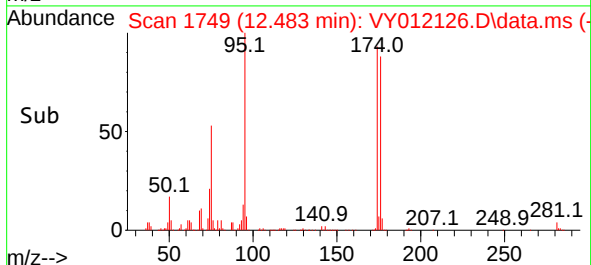
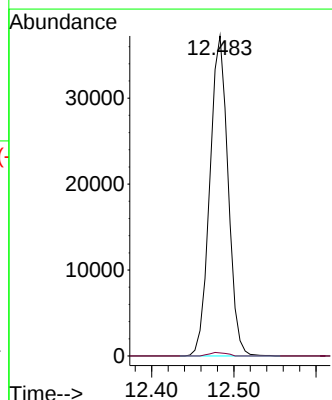
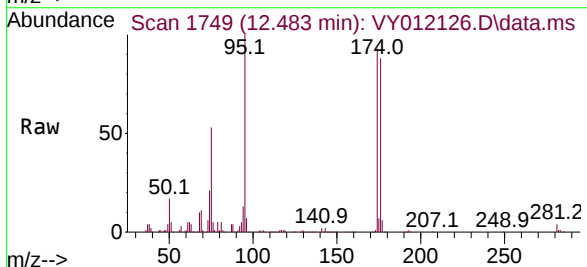
Acq: 09 Jan 2023 21:15

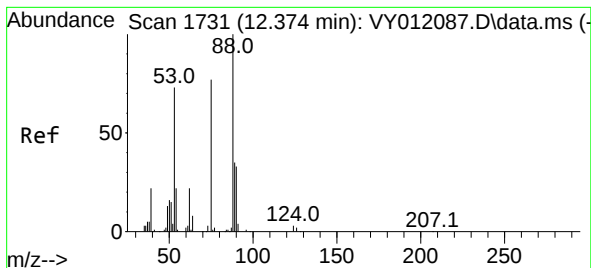
Tgt Ion: 75 Resp: 57333

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 97.865 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.109 min
 Lab File: VY012126.D
 Acq: 09 Jan 2023 21:15

Instrument :
 MSVOA_Y
 ClientSampleId :
 VOC-4

Tgt Ion: 75 Resp: 57333
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.5 108.7#
 89 0.2 37.0 55.4#

