

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050923\
 Data File : VY013666.D
 Acq On : 09 May 2023 14:24
 Operator : KP/MD
 Sample : 02665-03
 Misc : 5.23g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-612-VOC-01

Quant Time: May 10 05:37:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:39:58 2023
 Response via : Initial Calibration

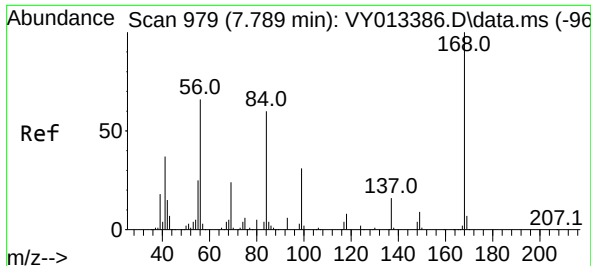
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.789	168	189055	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	323509	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	319448	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	149661	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	140308	67.701	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	135.400%
35) Dibromofluoromethane	7.716	113	112556	55.318	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	110.640%
50) Toluene-d8	10.179	98	396882	54.830	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	109.660%
62) 4-Bromofluorobenzene	12.483	95	129303	52.988	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	105.980%
Target Compounds						
13) Acrolein	3.454	56	47	Below Cal	#	16
20) Methylene Chloride	4.723	84	5922	Below Cal	#	92
31) Cyclohexane	7.783	56	4259	1.148	ug/l #	37
36) 1,1-Dichloropropene	7.789	75	14375	4.257	ug/l #	49
38) Carbon Tetrachloride	7.789	117	18017	5.090	ug/l #	14
76) 1,2,3-Trichloropropane	12.483	75	69878	34.621	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	69878	70.820	ug/l #	13

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

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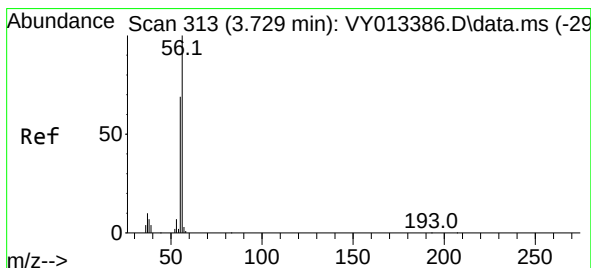
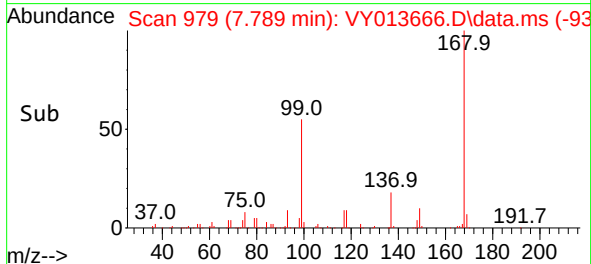
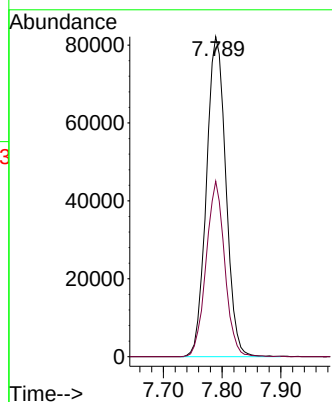
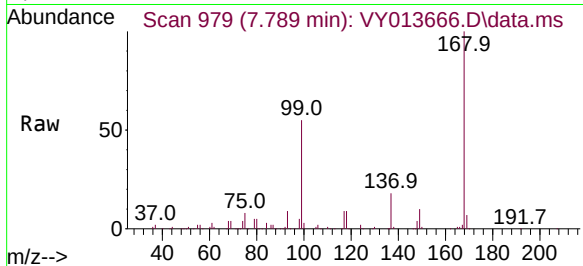




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY013666.D
Acq: 09 May 2023 14:24

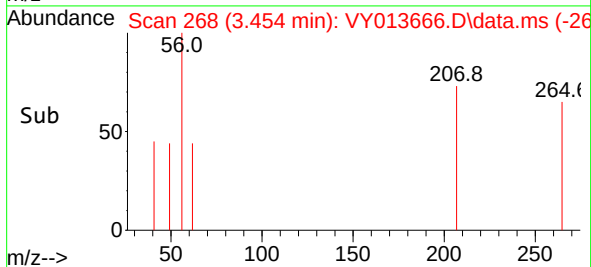
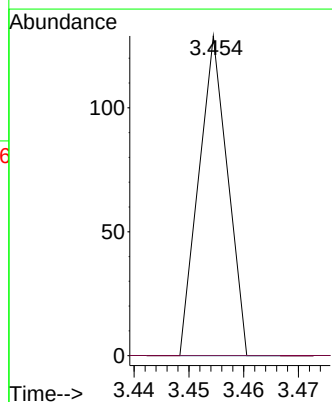
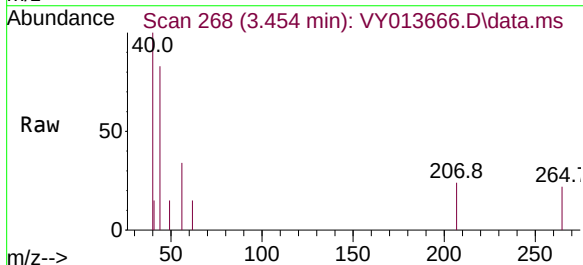
Instrument :
MSVOA_Y
ClientSampleId :
TR-612-VOC-01

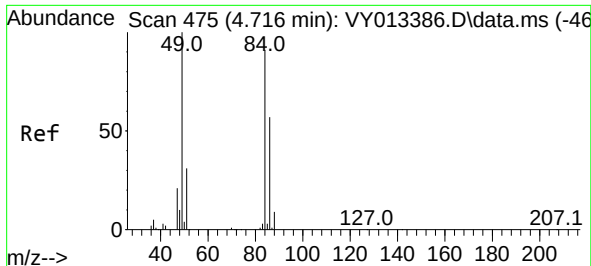
Tgt Ion:168 Resp: 189055
Ion Ratio Lower Upper
168 100
99 54.8 41.8 62.6



#13
Acrolein
Concen: Below Cal
RT: 3.454 min Scan# 268
Delta R.T. -0.275 min
Lab File: VY013666.D
Acq: 09 May 2023 14:24

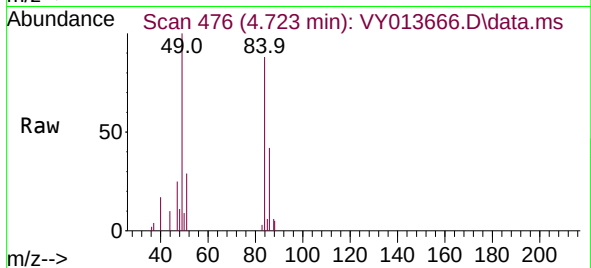
Tgt Ion: 56 Resp: 47
Ion Ratio Lower Upper
56 100
55 0.0 54.1 81.1#



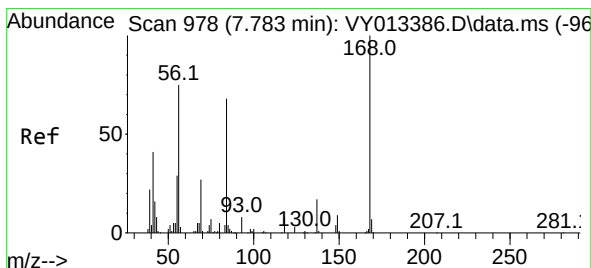
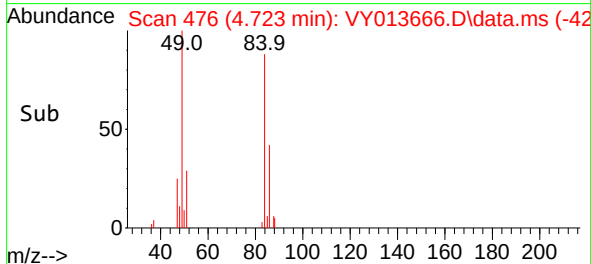
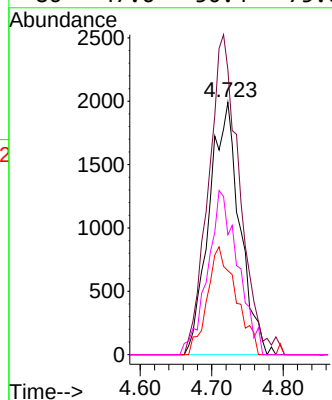


#20
Methylene Chloride
Concen: Below Cal
RT: 4.723 min Scan# 475
Delta R.T. 0.007 min
Lab File: VY013666.D
Acq: 09 May 2023 14:24

Instrument :
MSVOA_Y
ClientSampleId :
TR-612-VOC-01

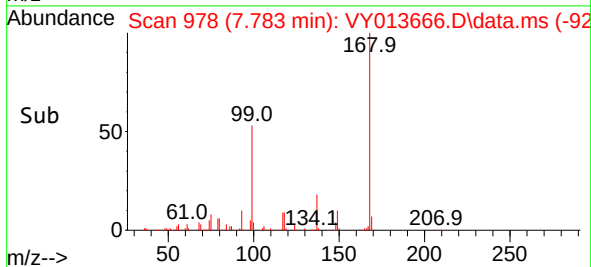
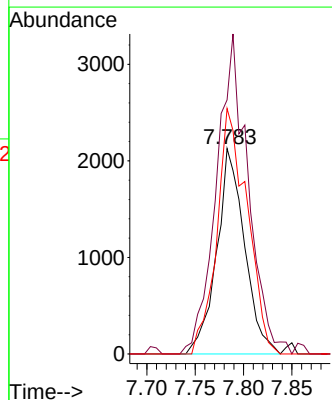
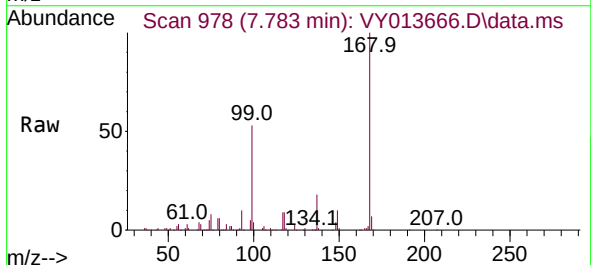


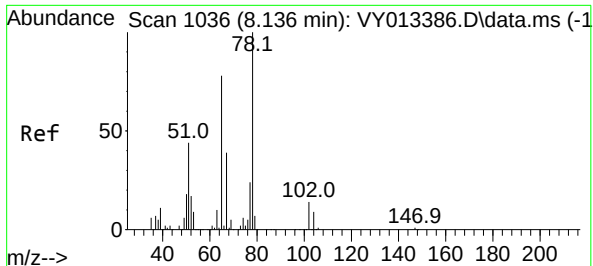
Tgt Ion:	84	Resp:	5922
Ion	Ratio	Lower	Upper
84	100		
49	113.0	88.0	132.0
51	33.3	27.4	41.0
86	47.6	50.4	75.6



#31
Cyclohexane
Concen: 1.148 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.000 min
Lab File: VY013666.D
Acq: 09 May 2023 14:24

Tgt Ion:	56	Resp:	4259
Ion	Ratio	Lower	Upper
56	100		
69	123.6	29.2	43.8
84	119.5	73.0	109.6





#33

1,2-Dichloroethane-d4

Concen: 67.701 ug/l

RT: 8.143 min Scan# 1036

Delta R.T. 0.007 min

Lab File: VY013666.D

Acq: 09 May 2023 14:24

Instrument :

MSVOA_Y

ClientSampleId :

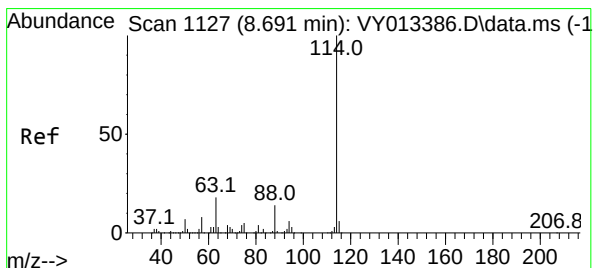
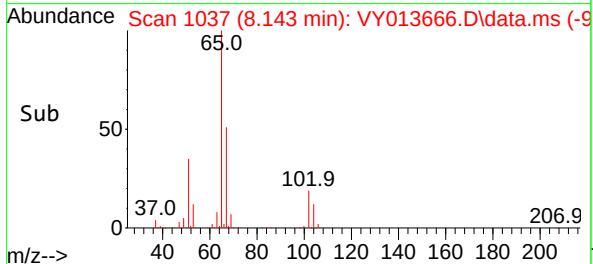
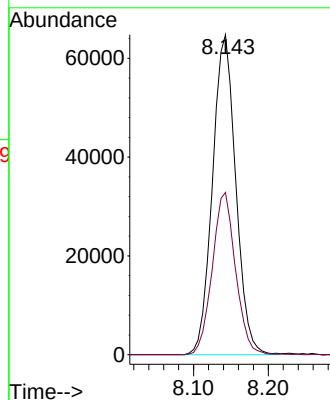
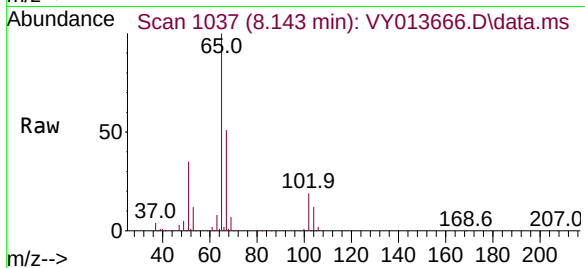
TR-612-VOC-01

Tgt Ion: 65 Resp: 140308

Ion Ratio Lower Upper

65 100

67 50.7 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY013666.D

Acq: 09 May 2023 14:24

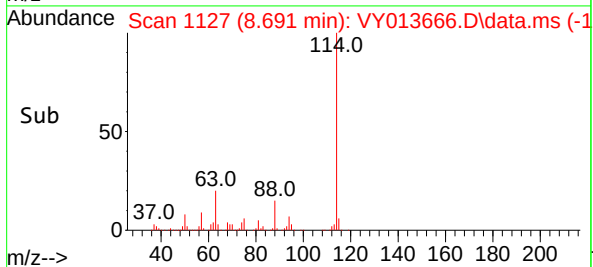
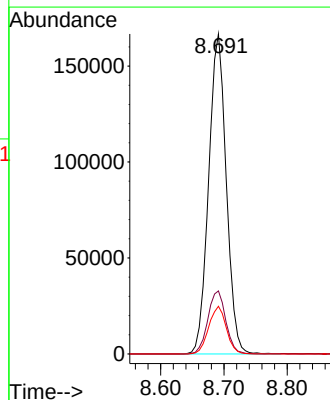
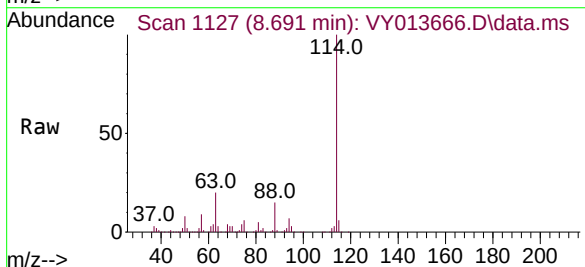
Tgt Ion: 114 Resp: 323509

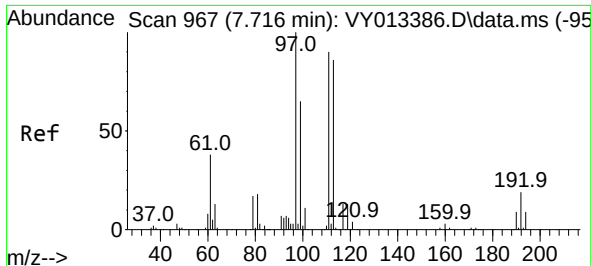
Ion Ratio Lower Upper

114 100

63 19.7 0.0 36.6

88 14.9 0.0 28.8

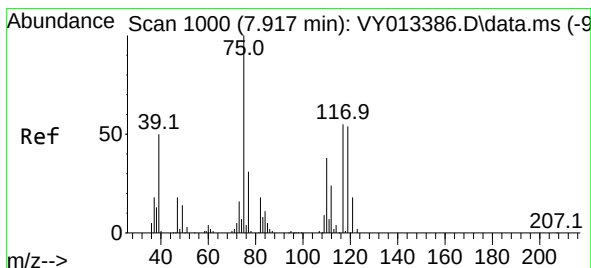
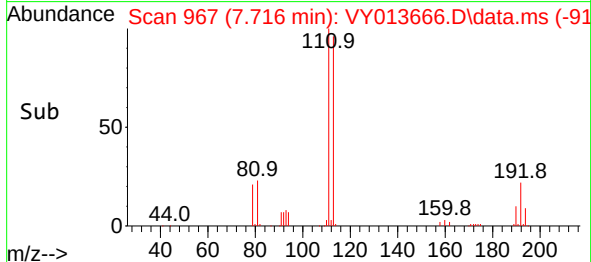
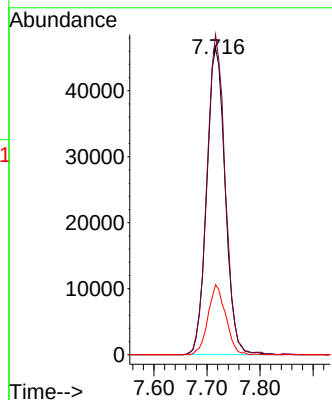
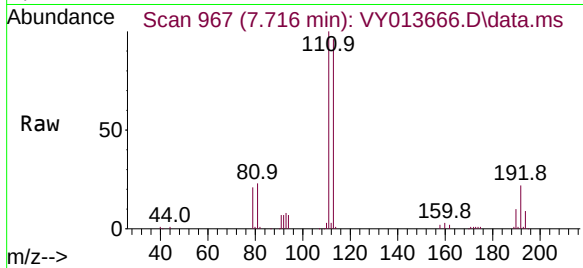




#35
Dibromofluoromethane
Concen: 55.318 ug/l
RT: 7.716 min Scan# 910
Delta R.T. -0.000 min
Lab File: VY013666.D
Acq: 09 May 2023 14:24

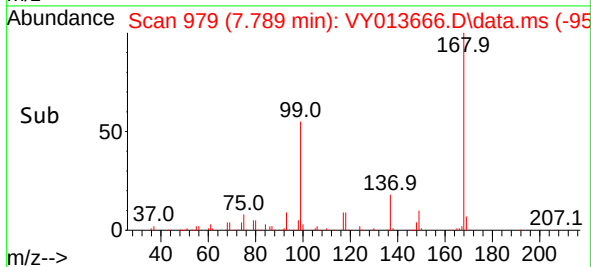
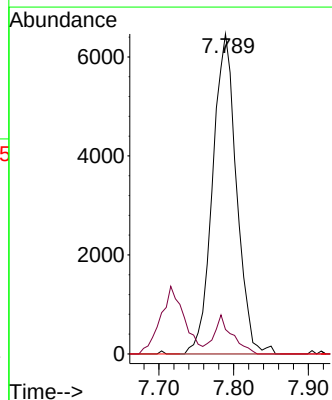
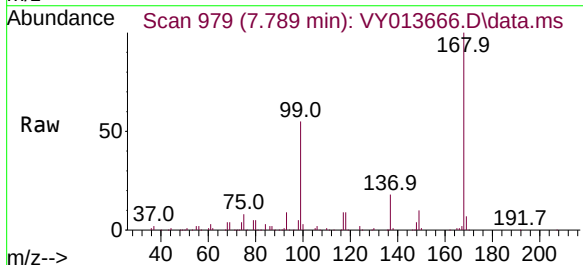
Instrument :
MSVOA_Y
ClientSampleId :
TR-612-VOC-01

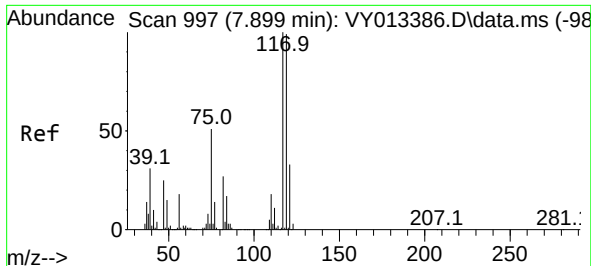
Tgt Ion:113 Resp: 112556
Ion Ratio Lower Upper
113 100
111 103.1 82.2 123.2
192 21.8 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.257 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY013666.D
Acq: 09 May 2023 14:24

Tgt Ion: 75 Resp: 14375
Ion Ratio Lower Upper
75 100
110 9.2 18.7 56.1#
77 0.0 24.6 37.0#

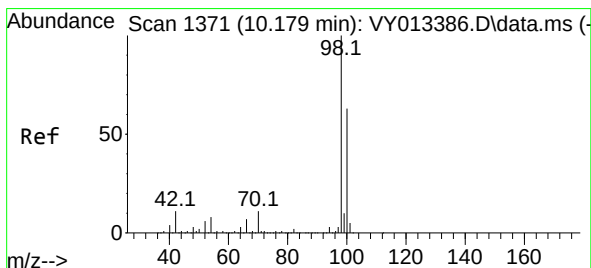
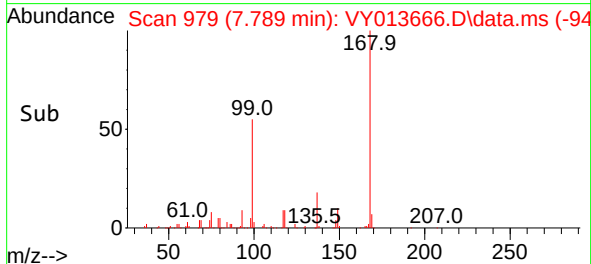
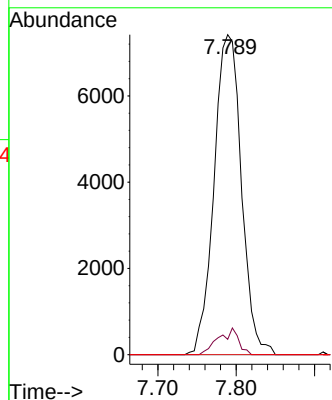
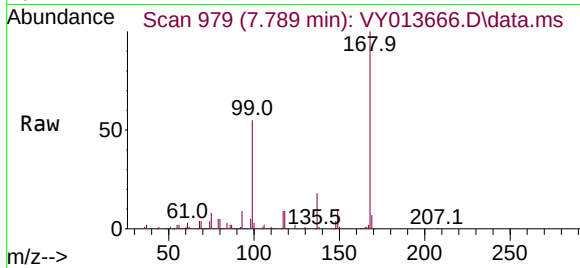




#38
Carbon Tetrachloride
Concen: 5.090 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY013666.D
Acq: 09 May 2023 14:24

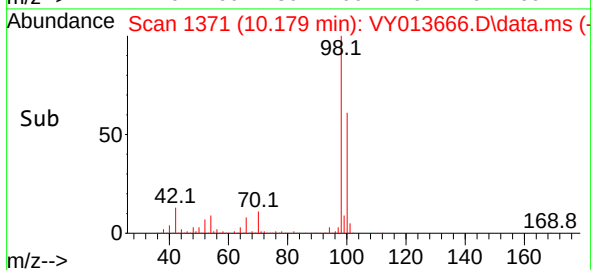
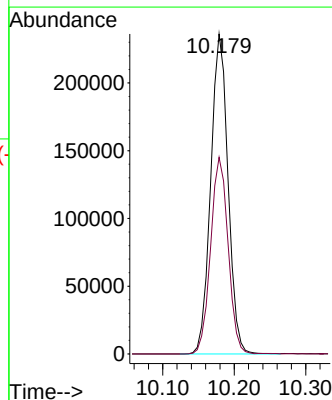
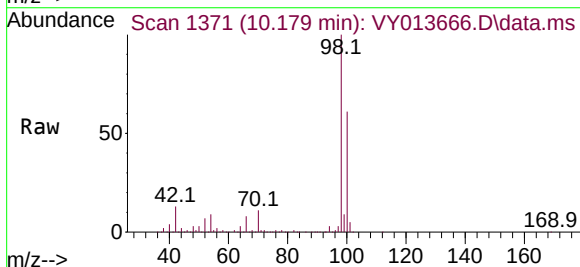
Instrument :
MSVOA_Y
ClientSampleId :
TR-612-VOC-01

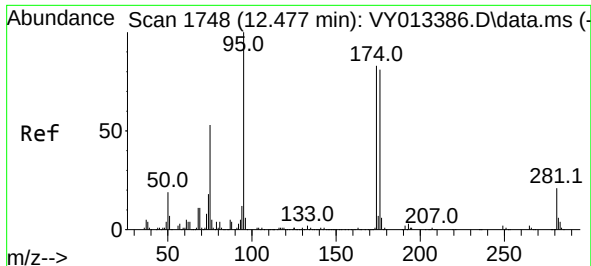
Tgt Ion:117 Resp: 18017
Ion Ratio Lower Upper
117 100
119 4.8 79.0 118.6#
121 0.0 26.6 40.0#



#50
Toluene-d8
Concen: 54.830 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY013666.D
Acq: 09 May 2023 14:24

Tgt Ion: 98 Resp: 396882
Ion Ratio Lower Upper
98 100
100 62.0 50.5 75.7

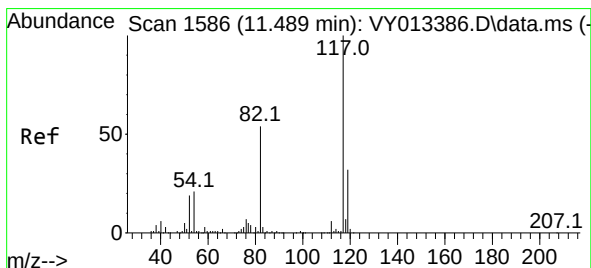
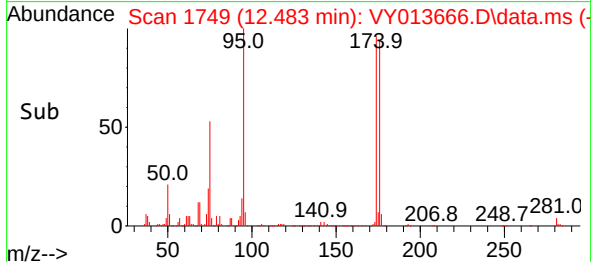
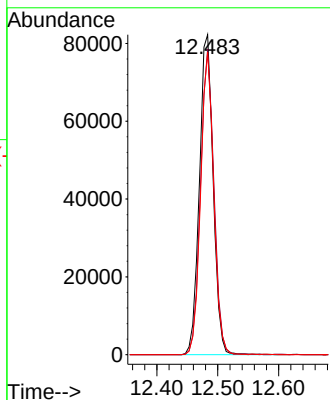
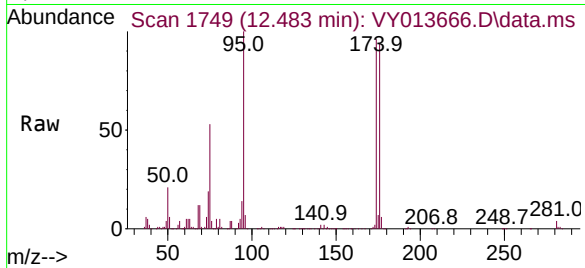




#62
4-Bromofluorobenzene
Concen: 52.988 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY013666.D
Acq: 09 May 2023 14:24

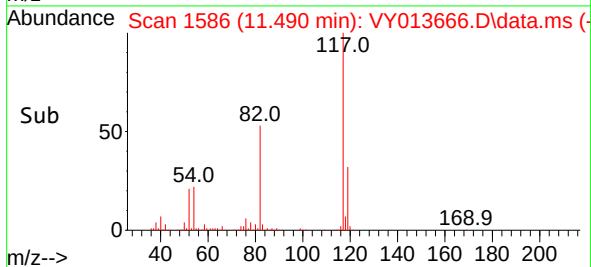
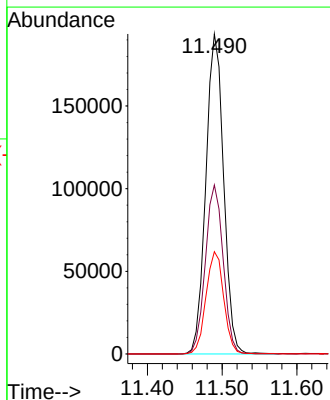
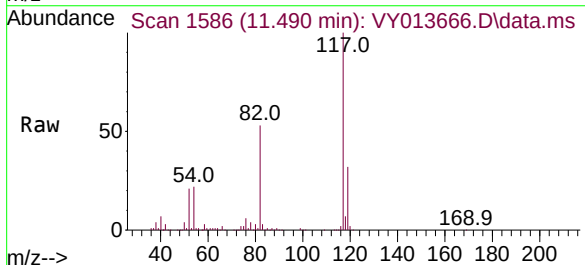
Instrument :
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ClientSampleId :
TR-612-VOC-01

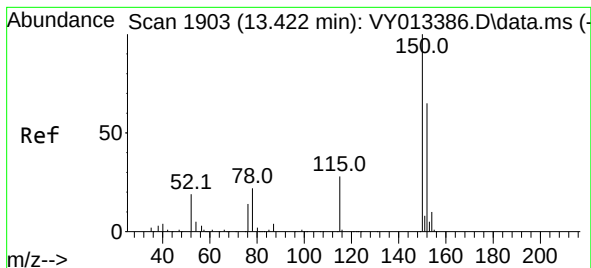
Tgt Ion: 95 Resp: 129303
Ion Ratio Lower Upper
95 100
174 92.8 0.0 182.0
176 89.9 0.0 175.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.001 min
Lab File: VY013666.D
Acq: 09 May 2023 14:24

Tgt Ion: 117 Resp: 319448
Ion Ratio Lower Upper
117 100
82 52.8 43.0 64.6
119 31.9 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1903

Delta R.T. 0.006 min

Lab File: VY013666.D

Acq: 09 May 2023 14:24

Instrument :

MSVOA_Y

ClientSampleId :

TR-612-VOC-01

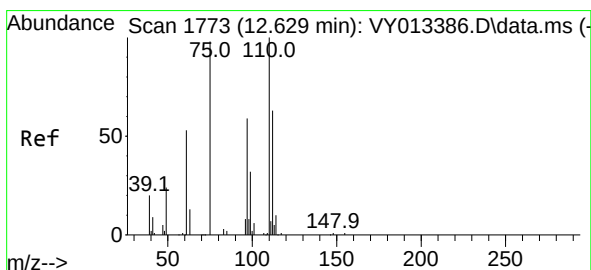
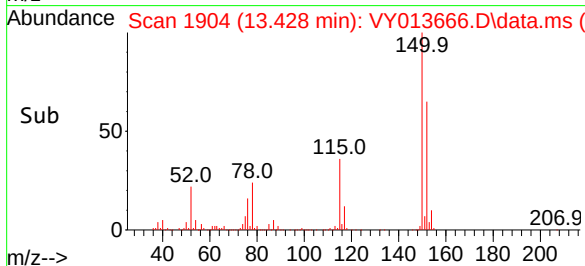
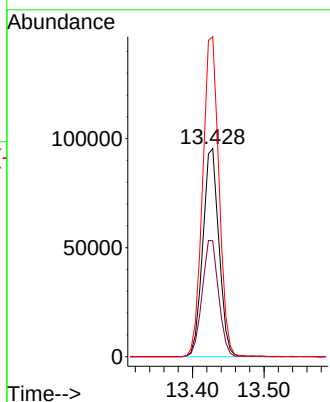
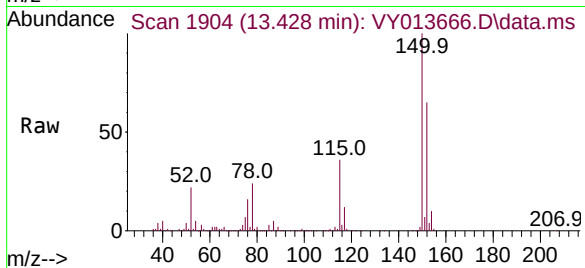
Tgt Ion:152 Resp: 149661

Ion Ratio Lower Upper

152 100

115 57.1 28.1 84.2

150 155.9 0.0 352.0



#76

1,2,3-Trichloropropane

Concen: 34.621 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.146 min

Lab File: VY013666.D

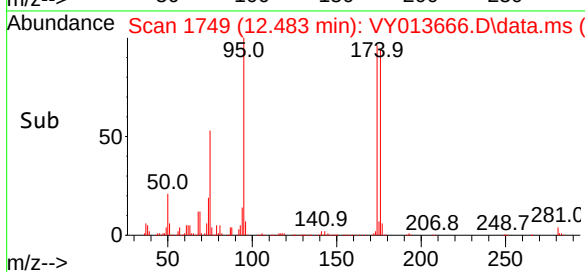
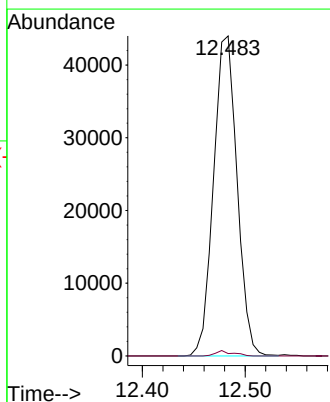
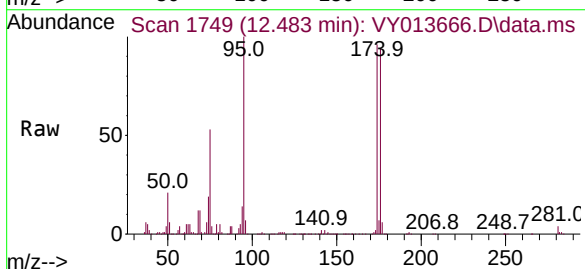
Acq: 09 May 2023 14:24

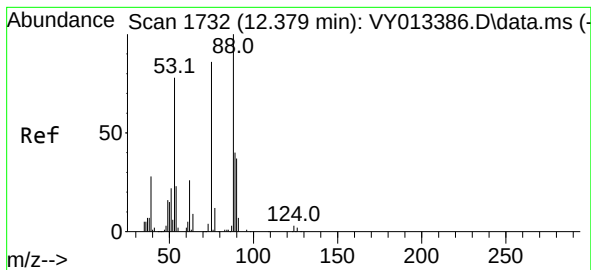
Tgt Ion: 75 Resp: 69878

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.820 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY013666.D
 Acq: 09 May 2023 14:24

Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-612-VOC-01

Tgt Ion: 75 Resp: 69878
 Ion Ratio Lower Upper
 75 100
 53 0.2 73.2 109.8#
 89 0.0 38.0 57.0#

