

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051325\
 Data File : VY022245.D
 Acq On : 13 May 2025 15:57
 Operator : SY/MD
 Sample : Q2007-02
 Misc : 5.39g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-636-VOC-10

Quant Time: May 14 04:35:30 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

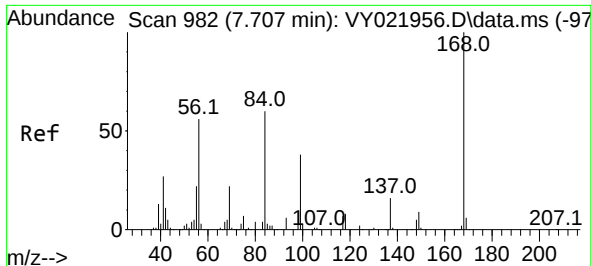
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.707	168	201082	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	359829	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	314822	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	129549	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	104567	56.299	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 112.600%	
35) Dibromofluoromethane	7.634	113	119416	50.233	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.460%	
50) Toluene-d8	10.103	98	419378	46.795	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 93.580%	
62) 4-Bromofluorobenzene	12.402	95	113056	37.473	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 74.940%	
Target Compounds						
					Qvalue	
16) Acetone	3.873	43	430	Below Cal	#	41
20) Methylene Chloride	4.610	84	5706	2.430	ug/l #	84
31) Cyclohexane	7.707	56	3815	1.243	ug/l #	1
36) 1,1-Dichloropropene	7.713	75	15273	4.783	ug/l #	48
38) Carbon Tetrachloride	7.707	117	19796	5.188	ug/l #	16
51) 4-Methyl-2-Pentanone	10.109	43	1423	1.233	ug/l #	1
76) 1,2,3-Trichloropropane	12.402	75	54698	49.293	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	54698	118.705	ug/l #	16

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

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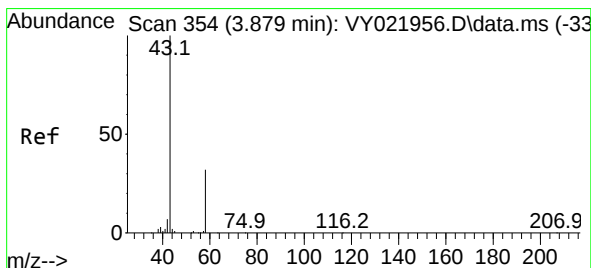
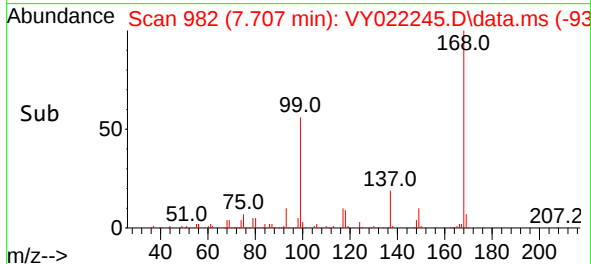
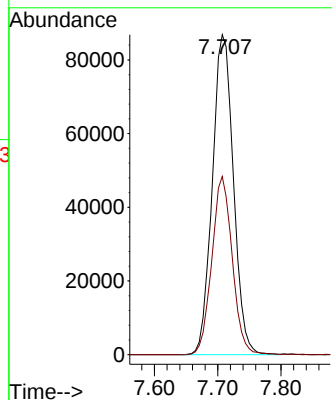
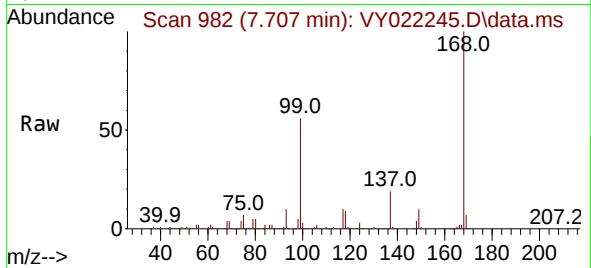




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022245.D
Acq: 13 May 2025 15:57

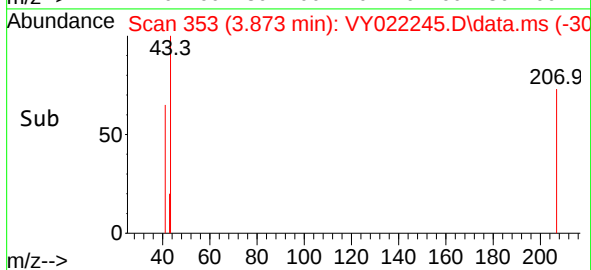
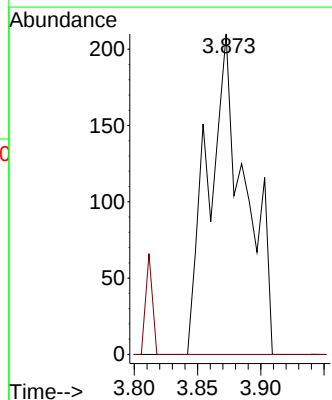
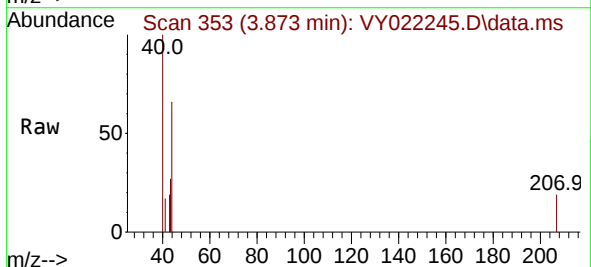
Instrument :
MSVOA_Y
ClientSampleId :
OR-636-VOC-10

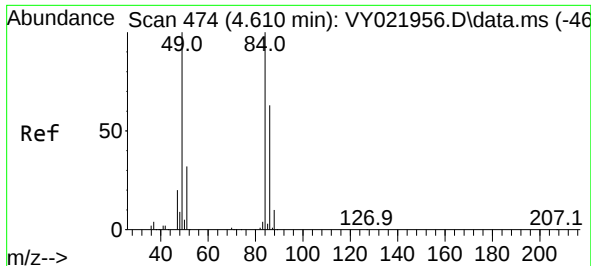
Tgt Ion:168 Resp: 201082
Ion Ratio Lower Upper
168 100
99 55.7 43.1 64.7



#16
Acetone
Concen: Below Cal
RT: 3.873 min Scan# 353
Delta R.T. -0.006 min
Lab File: VY022245.D
Acq: 13 May 2025 15:57

Tgt Ion: 43 Resp: 430
Ion Ratio Lower Upper
43 100
58 0.0 27.0 40.4#

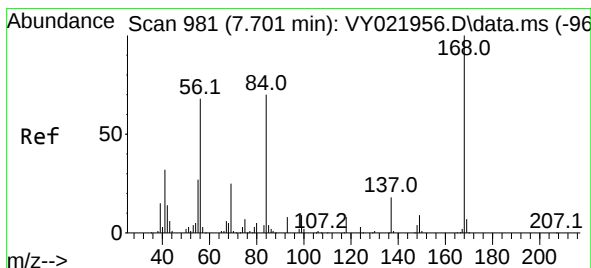
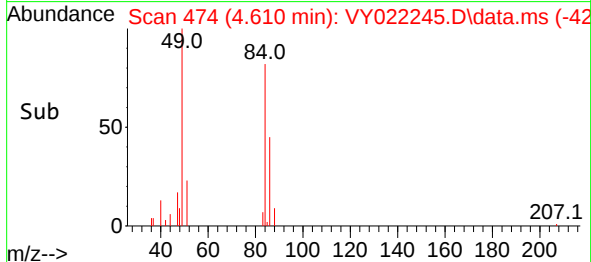
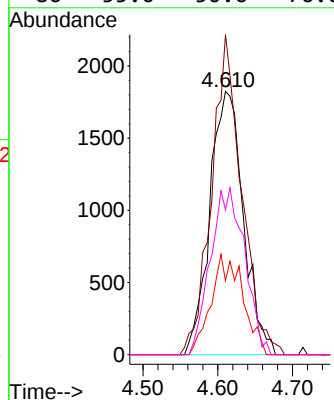
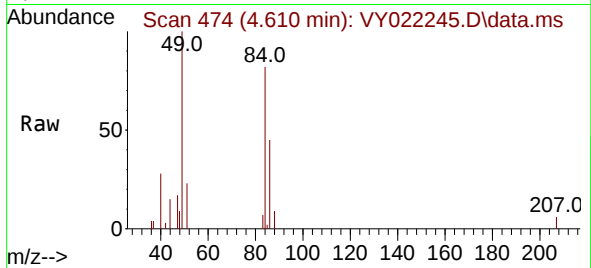




#20
Methylene Chloride
Concen: 2.430 ug/l
RT: 4.610 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY022245.D
Acq: 13 May 2025 15:57

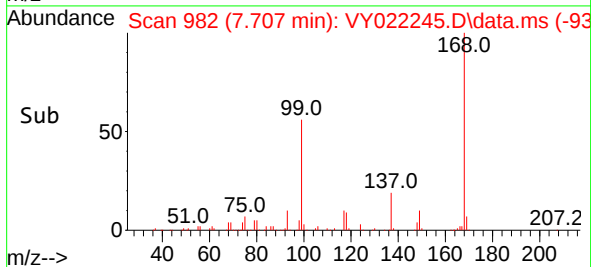
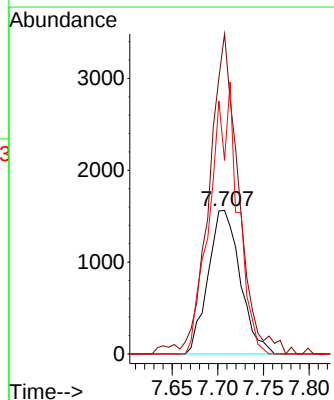
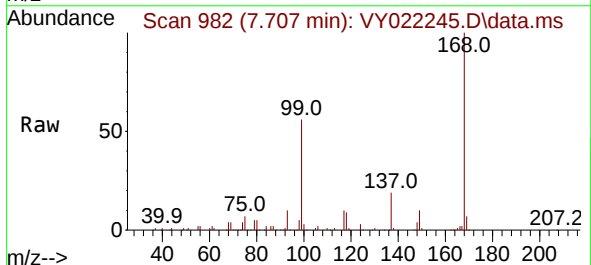
Instrument :
MSVOA_Y
ClientSampleId :
OR-636-VOC-10

Tgt Ion:	84	Resp:	5706
Ion	Ratio	Lower	Upper
84	100		
49	121.5	79.9	119.9#
51	28.1	25.4	38.0
86	55.0	50.6	76.0



#31
Cyclohexane
Concen: 1.243 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY022245.D
Acq: 13 May 2025 15:57

Tgt Ion:	56	Resp:	3815
Ion	Ratio	Lower	Upper
56	100		
69	219.7	29.4	44.2#
84	135.0	82.2	123.4#





#33

1,2-Dichloroethane-d4

Concen: 56.299 ug/l

RT: 8.061 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY022245.D

Acq: 13 May 2025 15:57

Instrument :

MSVOA_Y

ClientSampleId :

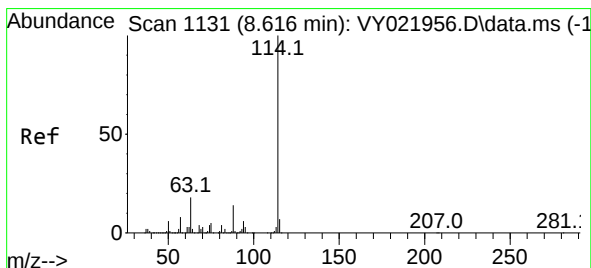
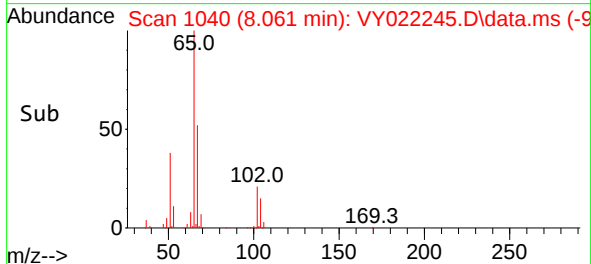
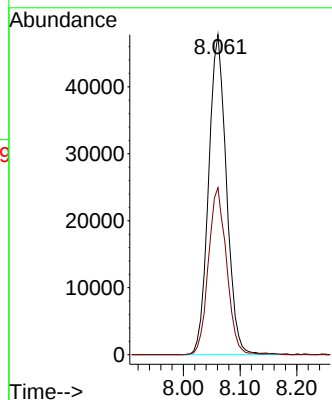
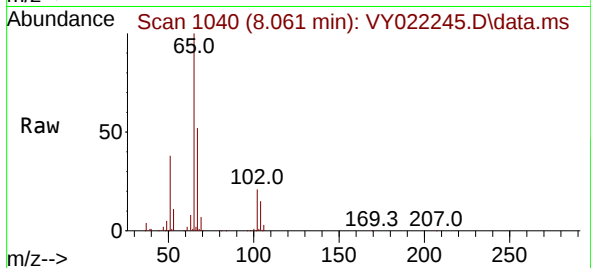
OR-636-VOC-10

Tgt Ion: 65 Resp: 104567

Ion Ratio Lower Upper

65 100

67 53.0 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022245.D

Acq: 13 May 2025 15:57

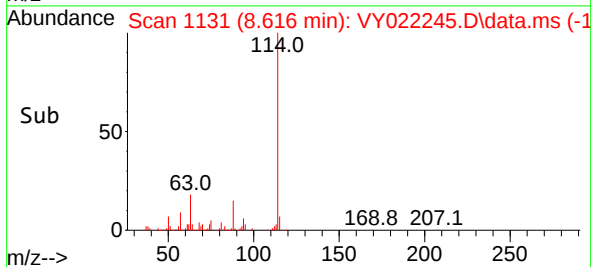
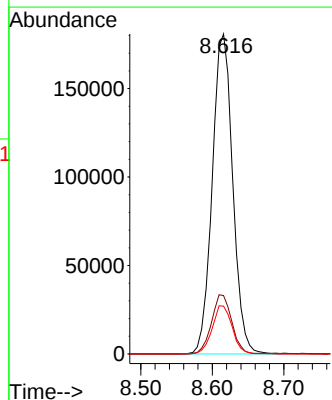
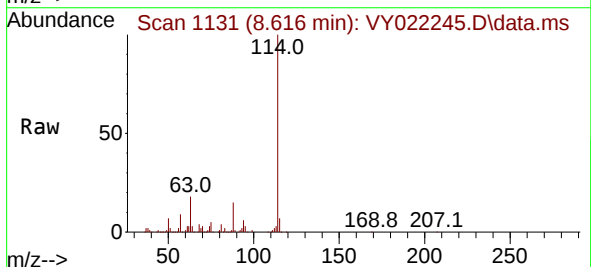
Tgt Ion: 114 Resp: 359829

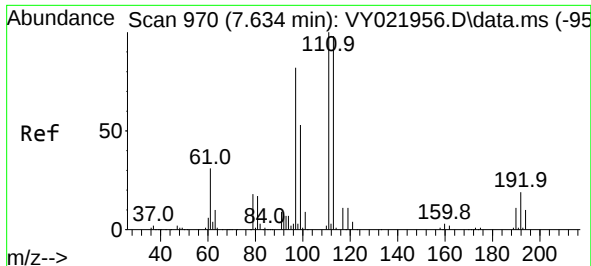
Ion Ratio Lower Upper

114 100

63 18.2 0.0 35.4

88 15.0 0.0 28.2

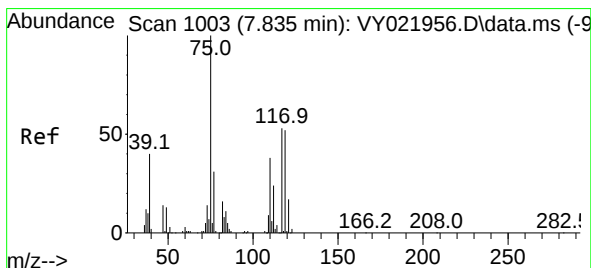
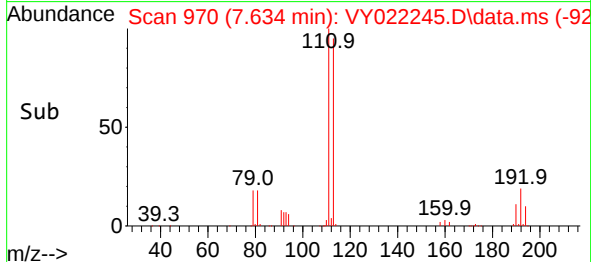
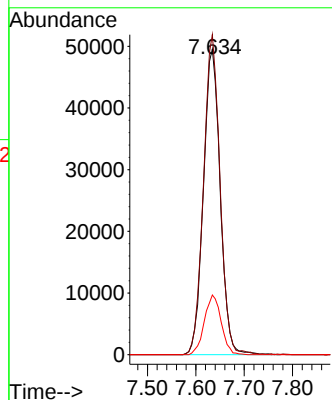
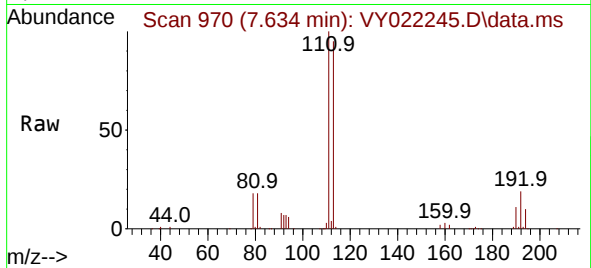




#35
Dibromofluoromethane
Concen: 50.233 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022245.D
Acq: 13 May 2025 15:57

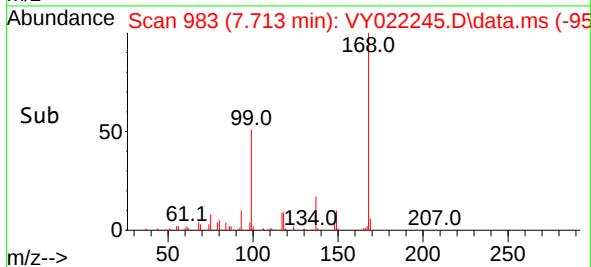
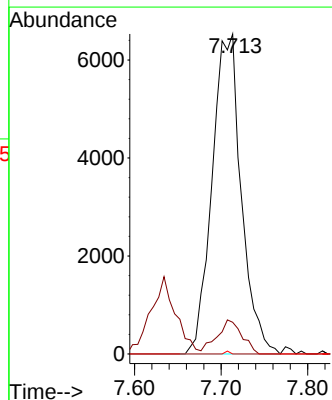
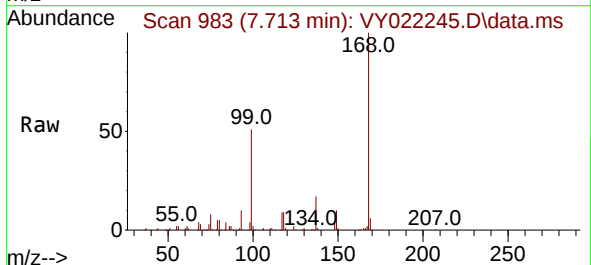
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MSVOA_Y
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OR-636-VOC-10

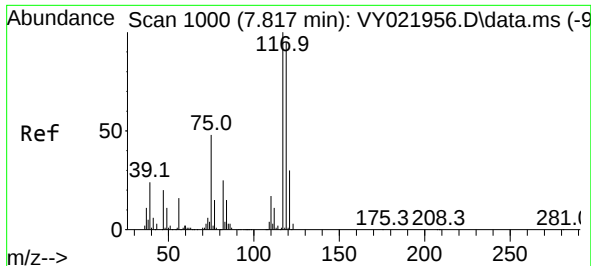
Tgt Ion:113 Resp: 119416
Ion Ratio Lower Upper
113 100
111 103.0 81.8 122.8
192 19.6 15.6 23.4



#36
1,1-Dichloropropene
Concen: 4.783 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.122 min
Lab File: VY022245.D
Acq: 13 May 2025 15:57

Tgt Ion: 75 Resp: 15273
Ion Ratio Lower Upper
75 100
110 9.1 19.1 57.3#
77 0.1 25.5 38.3#

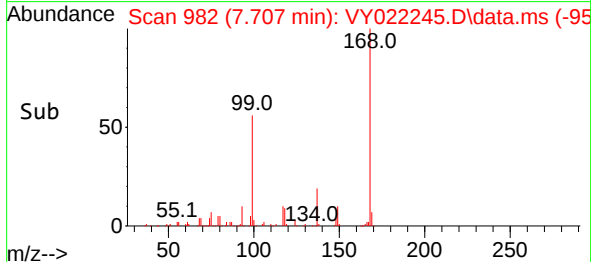
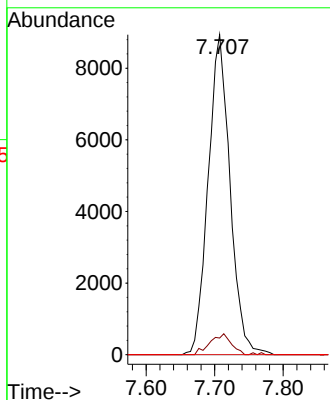
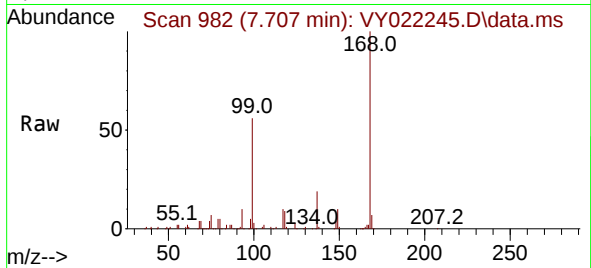




#38
Carbon Tetrachloride
Concen: 5.188 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY022245.D
Acq: 13 May 2025 15:57

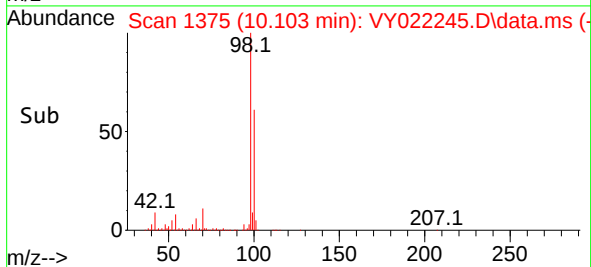
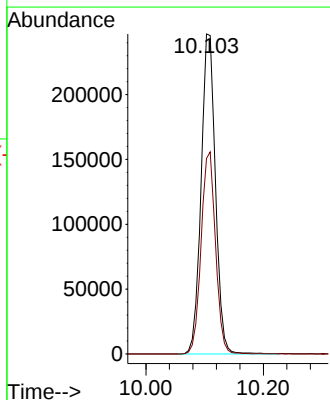
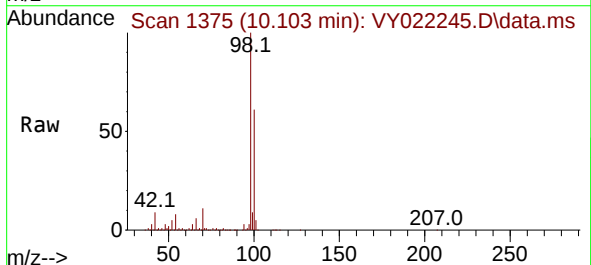
Instrument :
MSVOA_Y
ClientSampleId :
OR-636-VOC-10

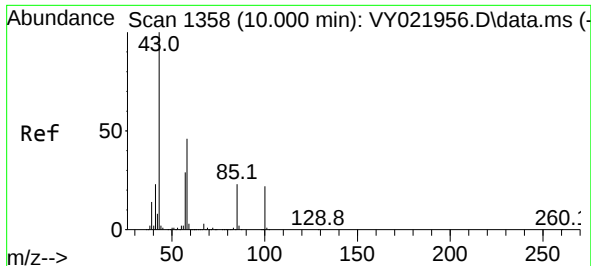
Tgt Ion:117 Resp: 19796
Ion Ratio Lower Upper
117 100
119 5.2 76.2 114.4#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 46.795 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY022245.D
Acq: 13 May 2025 15:57

Tgt Ion: 98 Resp: 419378
Ion Ratio Lower Upper
98 100
100 63.3 51.6 77.4

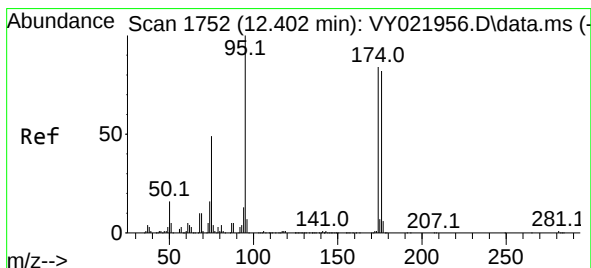
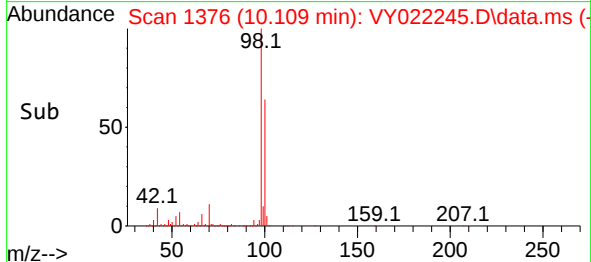
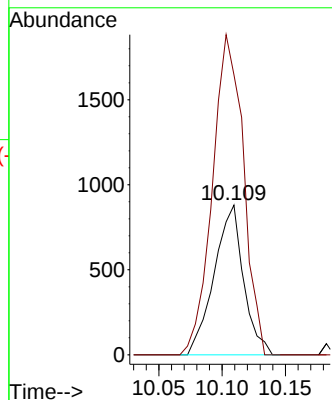
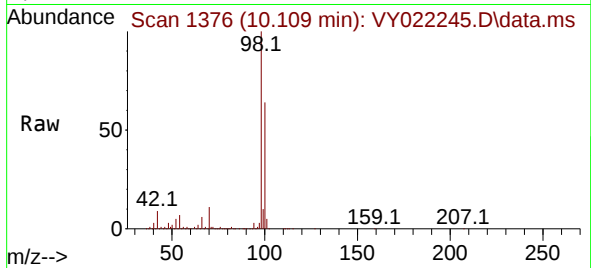




#51
4-Methyl-2-Pentanone
Concen: 1.233 ug/l
RT: 10.109 min Scan# 1358
Delta R.T. 0.110 min
Lab File: VY022245.D
Acq: 13 May 2025 15:57

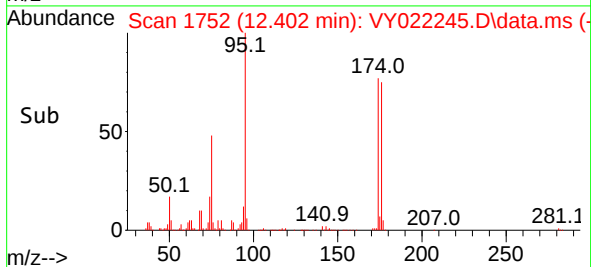
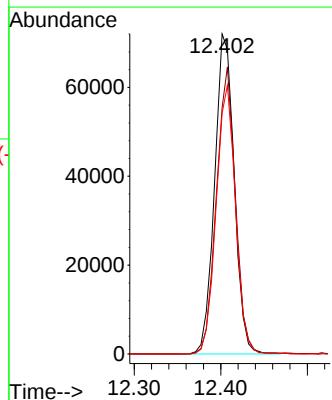
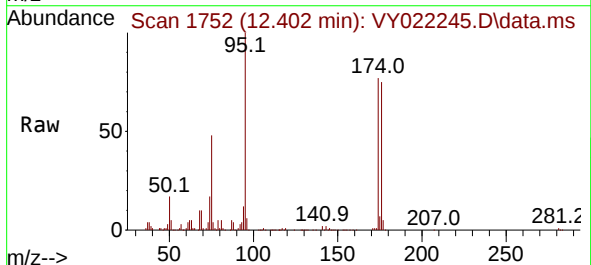
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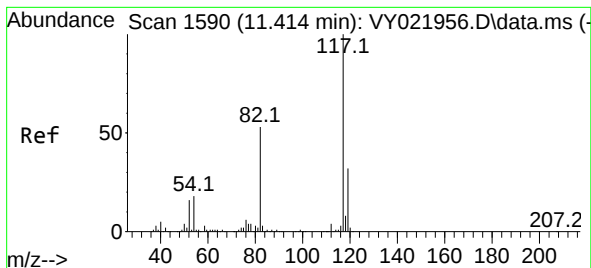
Tgt Ion: 43 Resp: 1423
Ion Ratio Lower Upper
43 100
58 225.2 36.6 55.0#



#62
4-Bromofluorobenzene
Concen: 37.473 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY022245.D
Acq: 13 May 2025 15:57

Tgt Ion: 95 Resp: 113056
Ion Ratio Lower Upper
95 100
174 87.5 0.0 179.0
176 83.0 0.0 171.8

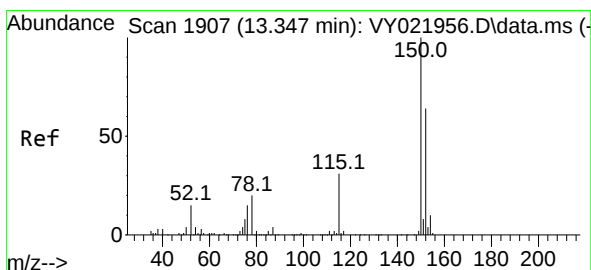
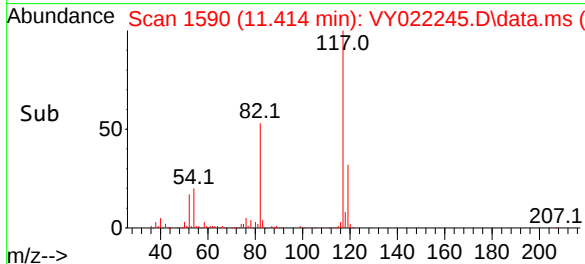
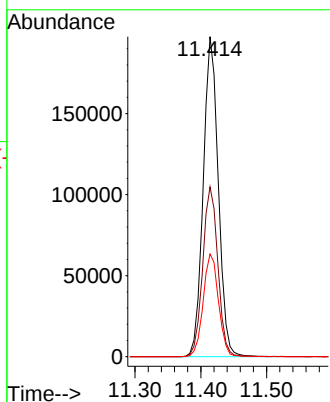
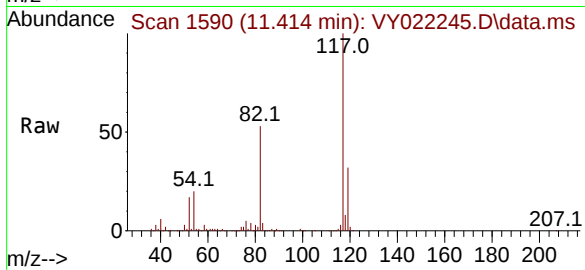




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY022245.D
Acq: 13 May 2025 15:57

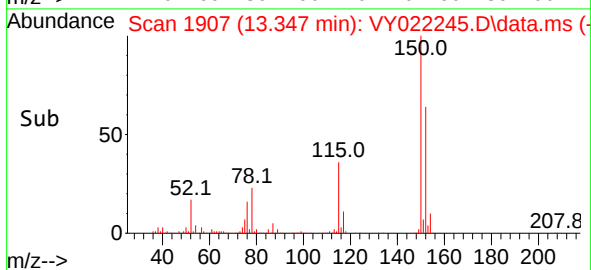
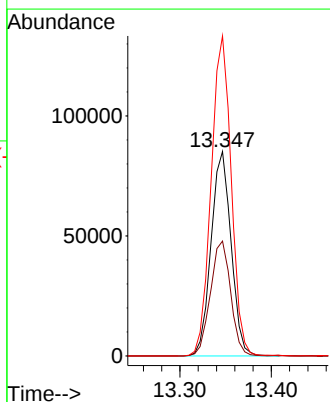
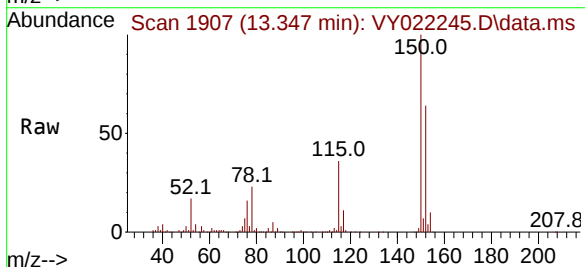
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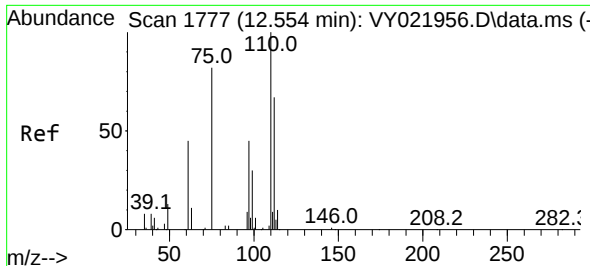
Tgt Ion:117 Resp: 314822
Ion Ratio Lower Upper
117 100
82 53.1 42.1 63.1
119 32.1 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022245.D
Acq: 13 May 2025 15:57

Tgt Ion:152 Resp: 129549
Ion Ratio Lower Upper
152 100
115 56.9 28.0 84.0
150 156.9 0.0 345.6

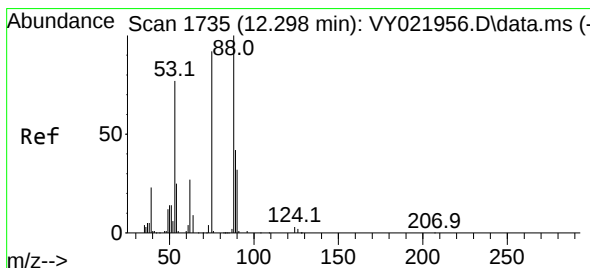
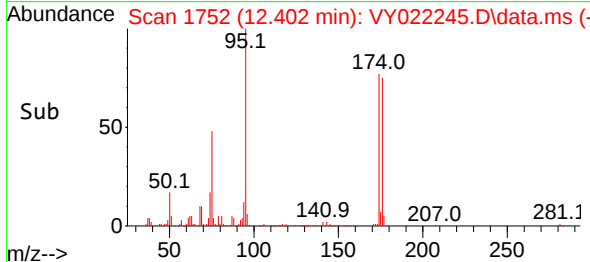
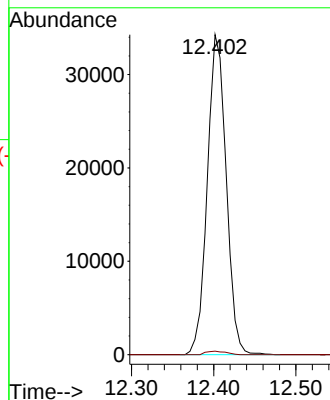
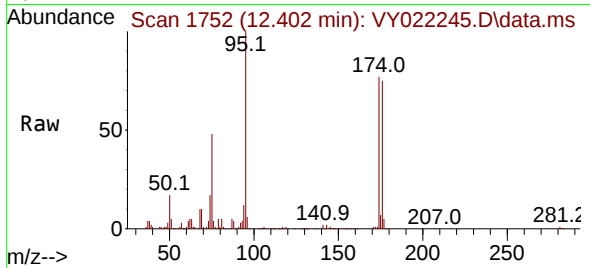




#76
1,2,3-Trichloropropane
Concen: 49.293 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.152 min
Lab File: VY022245.D
Acq: 13 May 2025 15:57

Instrument :
MSVOA_Y
ClientSampleId :
OR-636-VOC-10

Tgt Ion: 75 Resp: 54698
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 118.705 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.104 min
Lab File: VY022245.D
Acq: 13 May 2025 15:57

Tgt Ion: 75 Resp: 54698
Ion Ratio Lower Upper
75 100
53 0.2 66.0 99.0#
89 0.0 37.2 55.8#

