

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060324\
 Data File : VY018444.D
 Acq On : 03 Jun 2024 16:39
 Operator : SY/MD
 Sample : P2666-02
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VOC

Quant Time: Jun 04 05:42:47 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060324S.M
 Quant Title : Sw846 8260
 QLast Update : Tue Jun 04 05:38:21 2024
 Response via : Initial Calibration

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

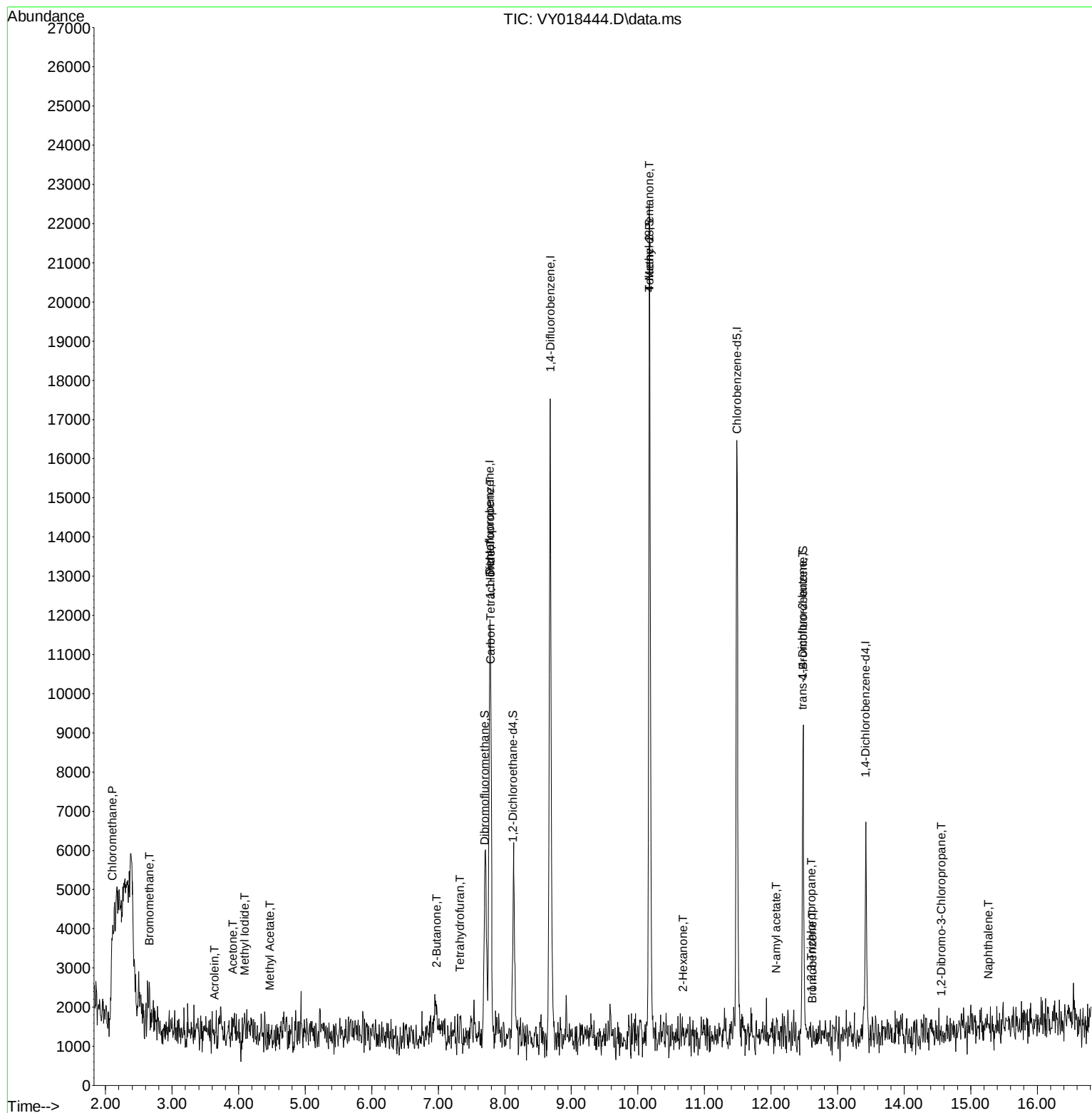
Internal Standards						
1) Pentafluorobenzene	7.777	168	7072	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.685	114	12841	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	8253	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	1327	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.124	65	3338	24.035	ug/l	-0.01
Spiked Amount 50.000	Range 50	- 163	Recovery	=	48.060%#	
35) Dibromofluoromethane	7.697	113	3175	19.499	ug/l	0.00
Spiked Amount 50.000	Range 54	- 147	Recovery	=	39.000%#	
50) Toluene-d8	10.173	98	13700	21.149	ug/l	0.00
Spiked Amount 50.000	Range 58	- 134	Recovery	=	42.300%#	
62) 4-Bromofluorobenzene	12.483	95	2729	13.530	ug/l	0.00
Spiked Amount 50.000	Range 30	- 143	Recovery	=	27.060%#	
Target Compounds						
					Qvalue	
3) Chloromethane	2.107	50	450	2.148	ug/l #	57
5) Bromomethane	2.662	94	468	2.800	ug/l #	48
10) Methyl Iodide	4.094	142	435	2.934	ug/l #	92
11) Tert butyl alcohol	4.936	59	94	Below Cal	#	88
13) Acrolein	3.637	56	73	5.135	ug/l #	39
16) Acetone	3.918	43	261	8.467	ug/l #	84
18) Methyl Acetate	4.472	43	108	1.401	ug/l #	46
20) Methylene Chloride	4.680	84	363	Below Cal	#	59
25) 2-Butanone	6.978	43	105	2.224	ug/l #	41
29) Tetrahydrofuran	7.325	42	33	1.076	ug/l #	57
36) 1,1-Dichloropropene	7.783	75	781	3.146	ug/l #	40
38) Carbon Tetrachloride	7.789	117	960	3.859	ug/l #	13
51) 4-Methyl-2-Pentanone	10.173	43	190	1.578	ug/l	98
59) 2-Hexanone	10.679	43	109	1.310	ug/l	69
74) N-amyl acetate	12.081	43	74	2.220	ug/l #	63
76) 1,2,3-Trichloropropane	12.605	75	88	5.348	ug/l #	100
77) Bromobenzene	12.617	156	41	1.410	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.477	75	1322	168.790	ug/l #	16
92) 1,2-Dibromo-3-Chloropr...	14.562	75	19	5.180	ug/l #	1
95) Naphthalene	15.263	128	66	1.218	ug/l #	69

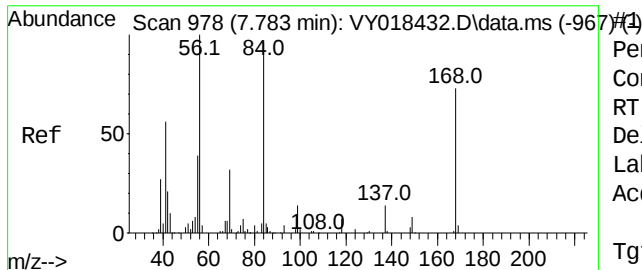
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jun 04 05:38:21 2024
Response via : Initial Calibration





Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.777 min Scan#

Delta R.T. -0.006 min

Lab File: VY018444.D

Acq: 03 Jun 2024 16:39

Instrument :

MSVOA_Y

ClientSampleId :

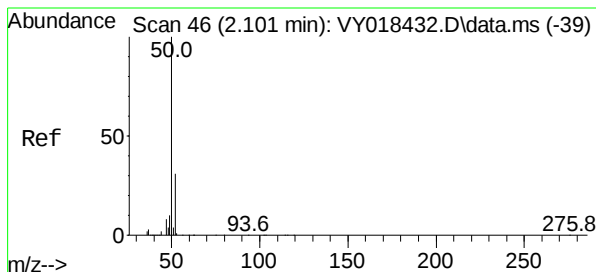
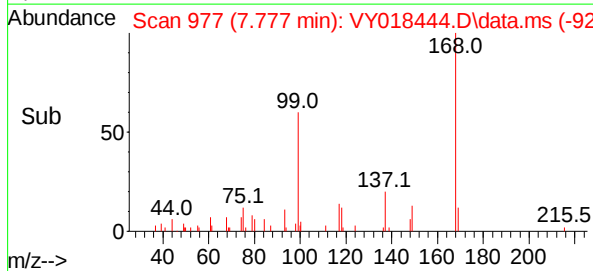
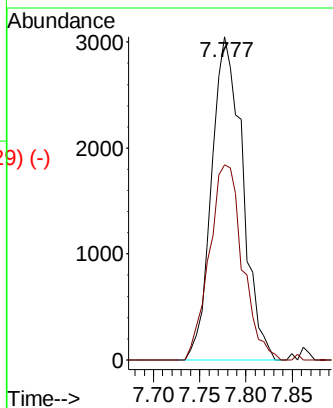
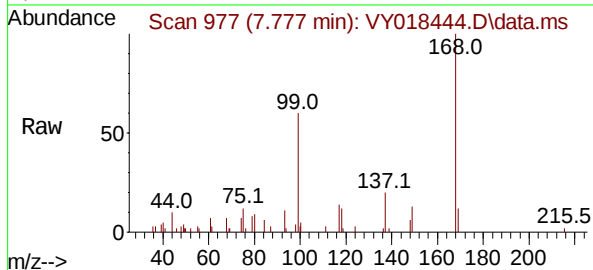
VOC

Tgt Ion:168 Resp: 7072

Ion Ratio Lower Upper

168 100

99 60.4 39.1 58.7#



Chloromethane

Concen: 2.148 ug/l

RT: 2.107 min Scan# 47

Delta R.T. 0.006 min

Lab File: VY018444.D

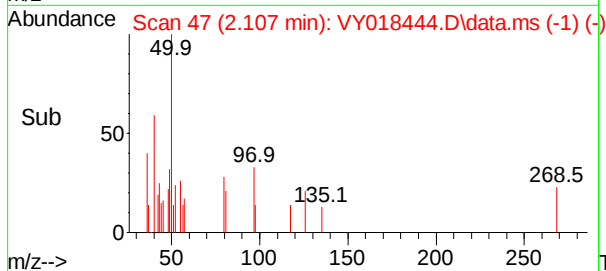
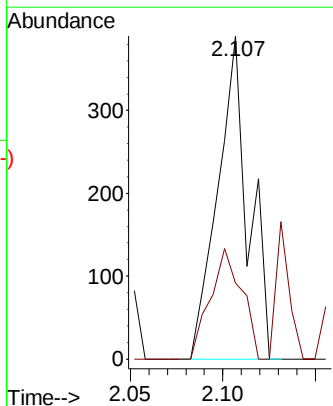
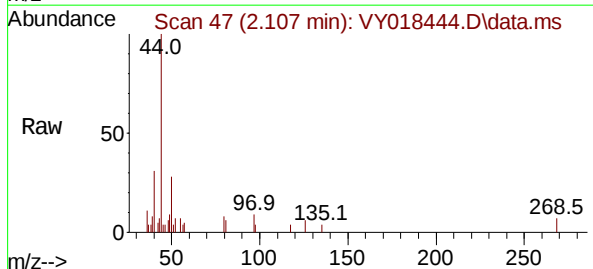
Acq: 03 Jun 2024 16:39

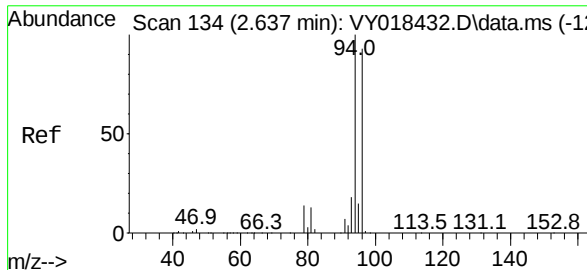
Tgt Ion: 50 Resp: 450

Ion Ratio Lower Upper

50 100

52 8.2 25.6 38.4#





Bromomethane

Concen: 2.800 ug/l

RT: 2.662 min Scan#

Delta R.T. 0.024 min

Lab File: VY018444.D

Acq: 03 Jun 2024 16:39

Instrument :

MSVOA_Y

ClientSampleId :

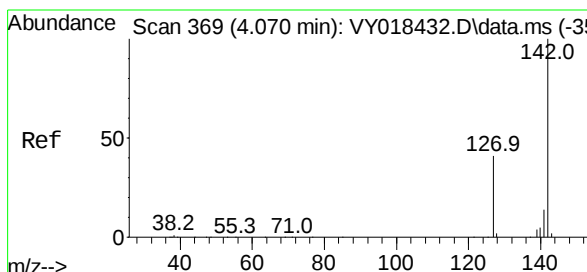
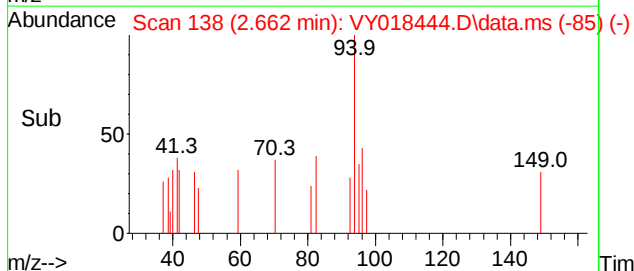
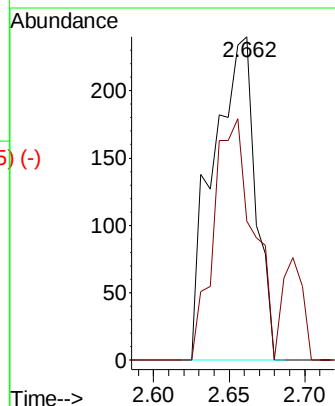
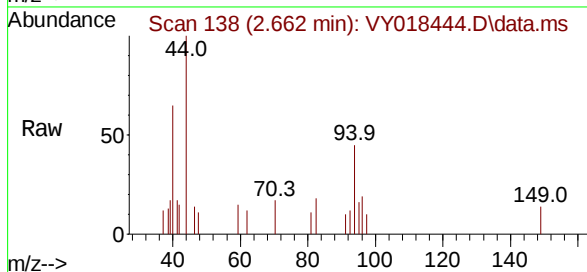
VOC

Tgt Ion: 94 Resp: 468

Ion Ratio Lower Upper

94 100

96 42.9 74.1 111.1#



Methyl Iodide

Concen: 2.934 ug/l

RT: 4.094 min Scan# 373

Delta R.T. 0.024 min

Lab File: VY018444.D

Acq: 03 Jun 2024 16:39

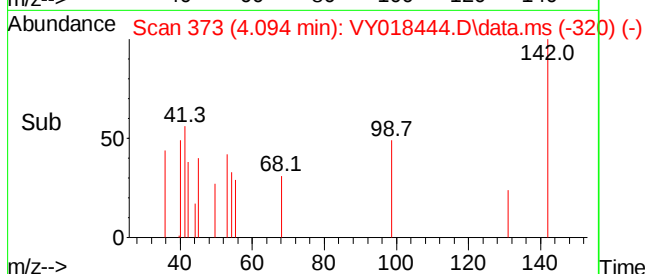
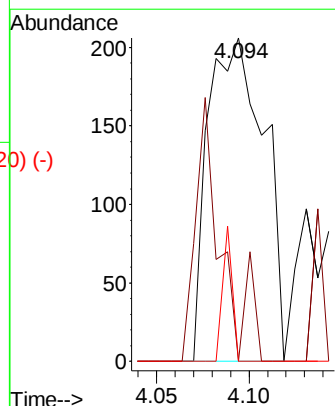
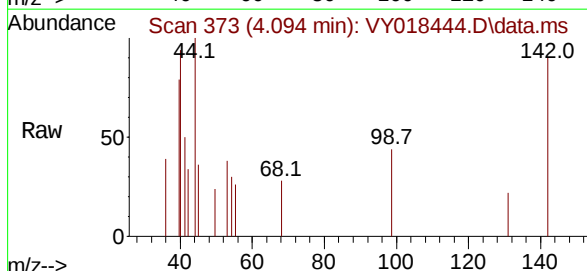
Tgt Ion:142 Resp: 435

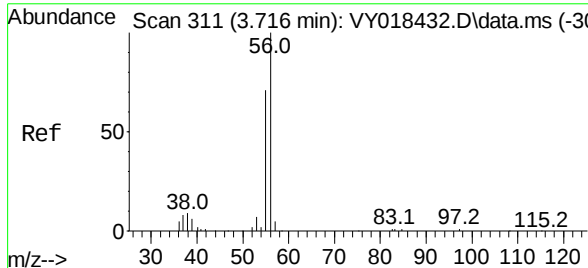
Ion Ratio Lower Upper

142 100

127 37.7 32.8 49.2

141 7.1 11.4 17.2#

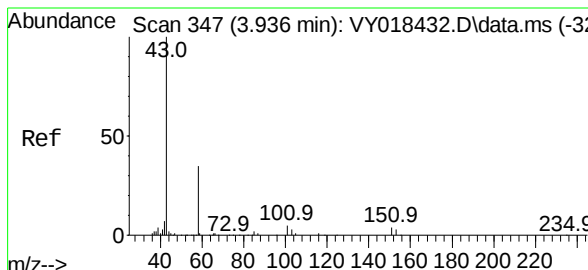
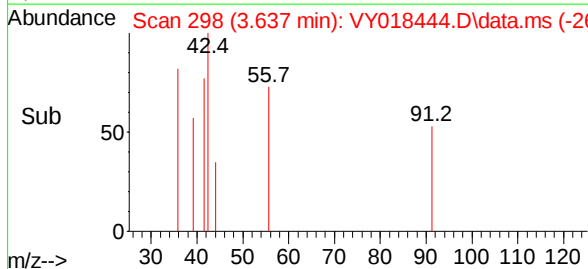
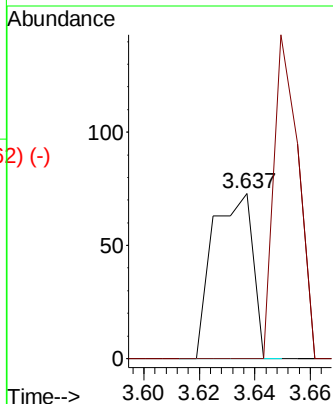
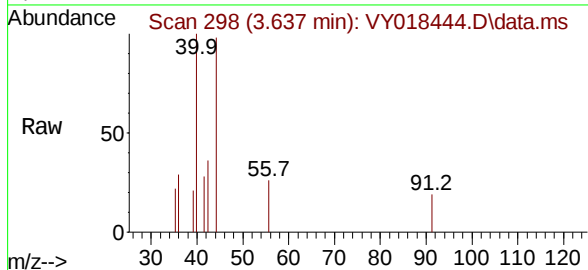




Acrolein
 Concen: 5.135 ug/l
 RT: 3.637 min Scan# 1
 Delta R.T. -0.079 min
 Lab File: VY018444.D
 Acq: 03 Jun 2024 16:39

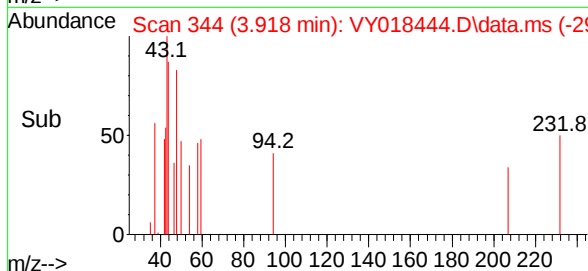
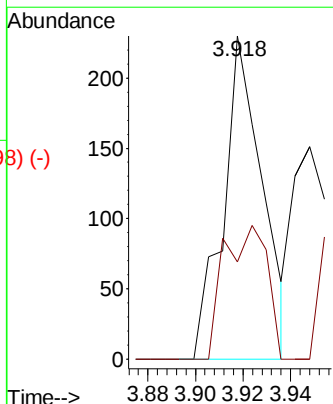
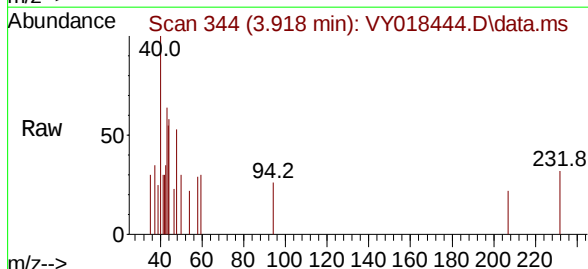
Instrument :
 MSVOA_Y
 ClientSampleId :
 VOC

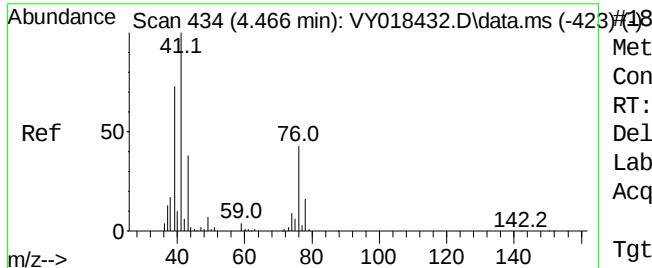
Tgt Ion: 56 Resp: 73
 Ion Ratio Lower Upper
 56 100
 55 119.2 55.7 83.5#



Acetone
 Concen: 8.467 ug/l
 RT: 3.918 min Scan# 344
 Delta R.T. -0.018 min
 Lab File: VY018444.D
 Acq: 03 Jun 2024 16:39

Tgt Ion: 43 Resp: 261
 Ion Ratio Lower Upper
 43 100
 58 30.0 31.7 47.5#





Methyl Acetate

Concen: 1.401 ug/l

RT: 4.472 min Scan# 418

Delta R.T. 0.006 min

Lab File: VY018444.D

Acq: 03 Jun 2024 16:39

Instrument :

MSVOA_Y

ClientSampleId :

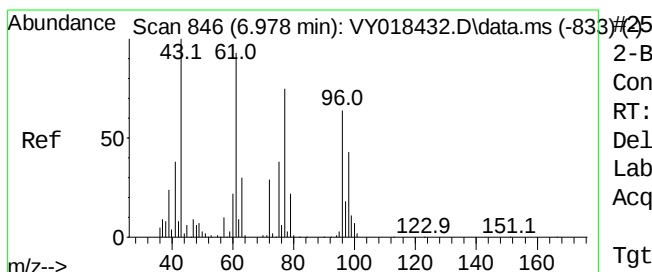
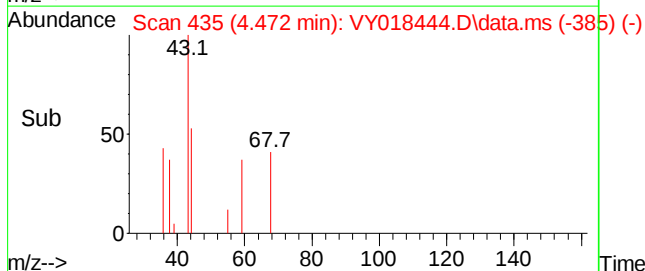
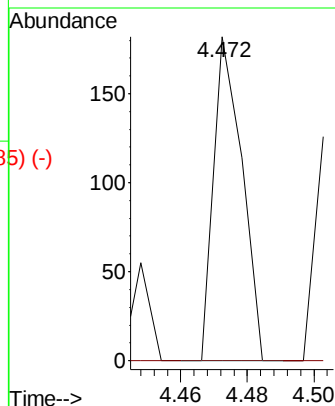
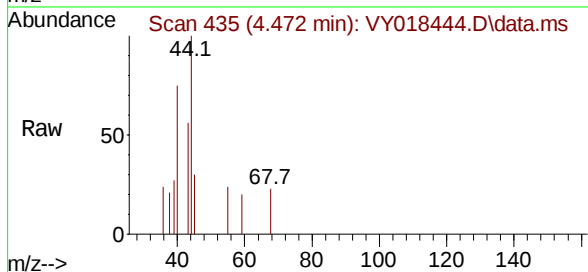
VOC

Tgt Ion: 43 Resp: 108

Ion Ratio Lower Upper

43 100

74 0.0 23.3 34.9#



2-Butanone

Concen: 2.224 ug/l

RT: 6.978 min Scan# 846

Delta R.T. -0.000 min

Lab File: VY018444.D

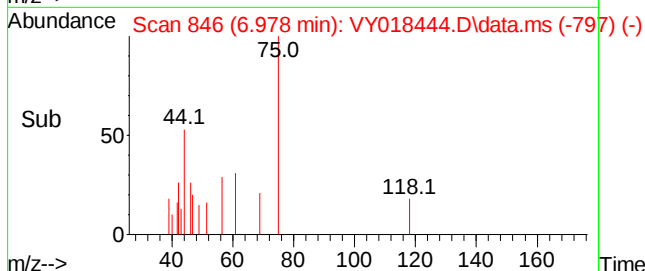
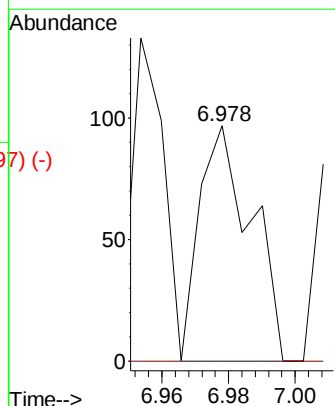
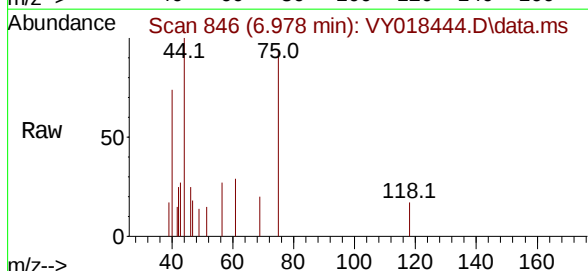
Acq: 03 Jun 2024 16:39

Tgt Ion: 43 Resp: 105

Ion Ratio Lower Upper

43 100

72 0.0 27.3 40.9#



Abundance Scan 905 (7.338 min): VY018432.D\data.ms (-890) #29

Tetrahydrofuran

Concen: 1.076 ug/l

RT: 7.325 min Scan#

Delta R.T. -0.012 min

Lab File: VY018444.D

Acq: 03 Jun 2024 16:39

Instrument :

MSVOA_Y

ClientSampleId :

VOC

Tgt Ion: 42 Resp: 33

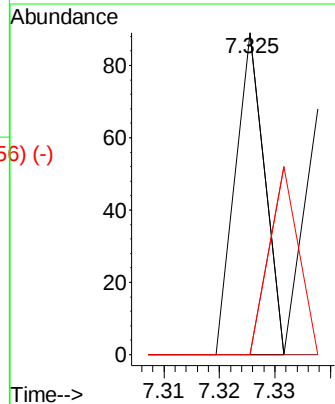
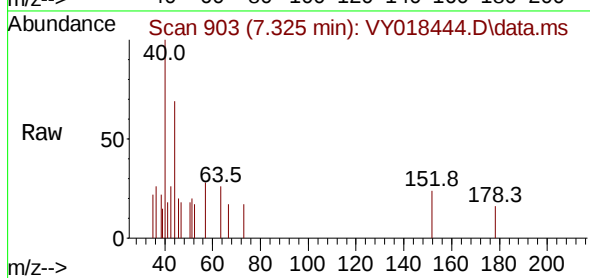
Ion Ratio Lower Upper

42 100

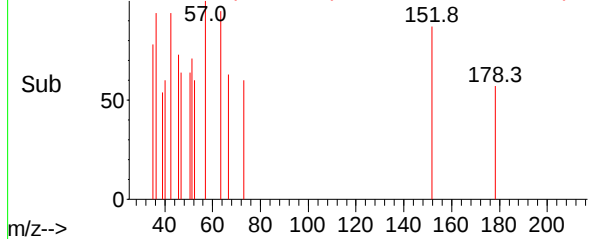
72 0.0 43.0 64.4#

71 57.6 40.8 61.2

Abundance Scan 903 (7.325 min): VY018444.D\data.ms



Abundance Scan 903 (7.325 min): VY018444.D\data.ms (-856) (-)



Abundance Scan 1036 (8.136 min): VY018432.D\data.ms (-1026) #33

1,2-Dichloroethane-d4

Concen: 24.035 ug/l

RT: 8.124 min Scan# 1034

Delta R.T. -0.012 min

Lab File: VY018444.D

Acq: 03 Jun 2024 16:39

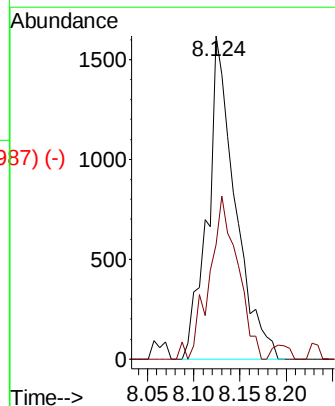
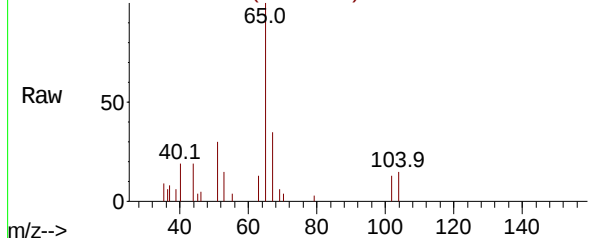
Tgt Ion: 65 Resp: 3338

Ion Ratio Lower Upper

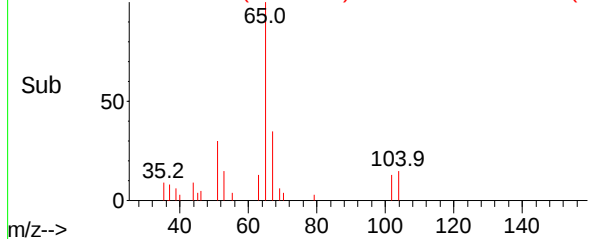
65 100

67 52.1 0.0 109.6

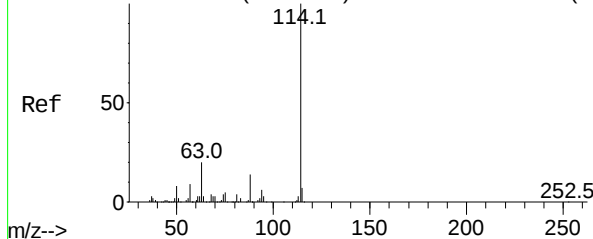
Abundance Scan 1034 (8.124 min): VY018444.D\data.ms



Abundance Scan 1034 (8.124 min): VY018444.D\data.ms (-987) (-)



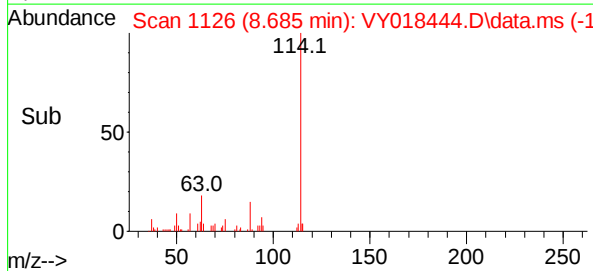
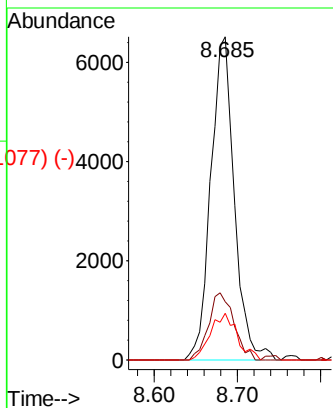
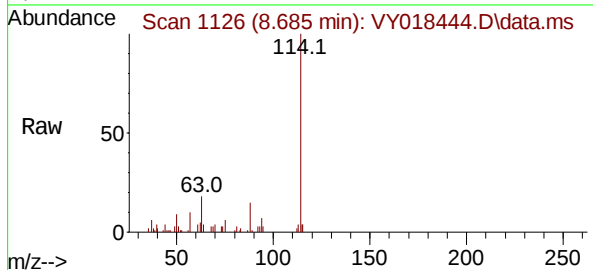
Abundance Scan 1126 (8.685 min): VY018432.D\data.ms (-1154)



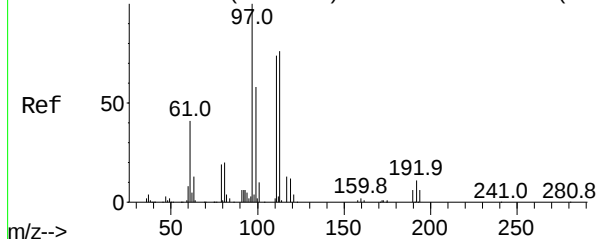
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VY018444.D
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Tgt Ion:	114	Resp:	12841
Ion	Ratio	Lower	Upper
114	100		
63	18.0	0.0	35.0
88	14.5	0.0	27.2

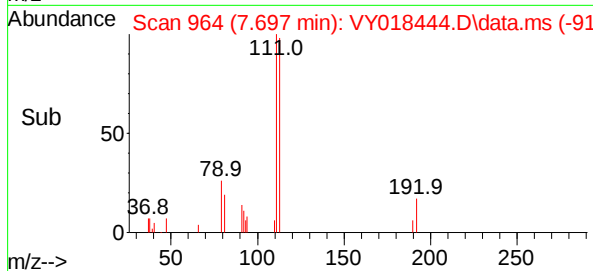
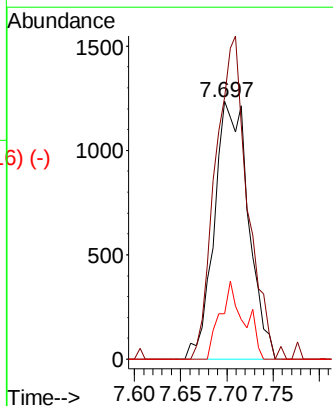
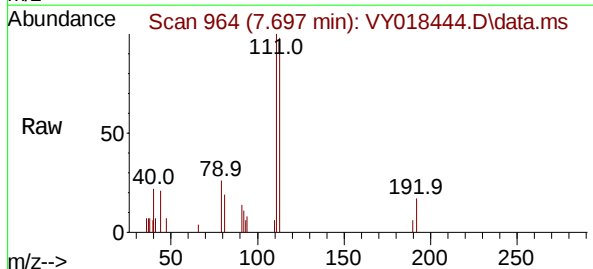


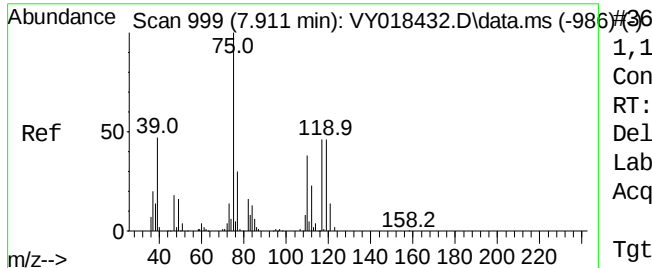
Abundance Scan 965 (7.704 min): VY018432.D\data.ms (-954)



Dibromofluoromethane
Concen: 19.499 ug/l
RT: 7.697 min Scan# 964
Delta R.T. -0.006 min
Lab File: VY018444.D
Acq: 03 Jun 2024 16:39

Tgt Ion:	113	Resp:	3175
Ion	Ratio	Lower	Upper
113	100		
111	117.7	82.2	123.4
192	21.2	15.9	23.9





1,1-Dichloroprene

Concen: 3.146 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.128 min

Lab File: VY018444.D

Acq: 03 Jun 2024 16:39

Instrument :

MSVOA_Y

ClientSampleId :

VOC

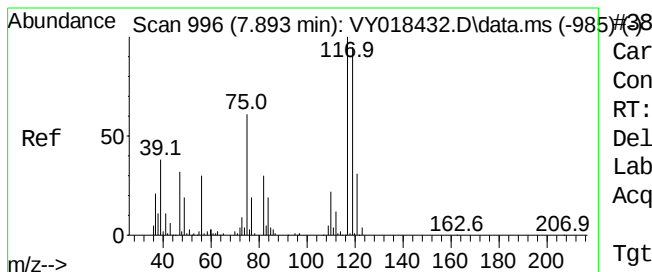
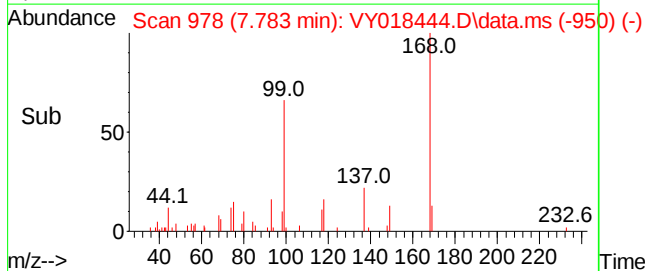
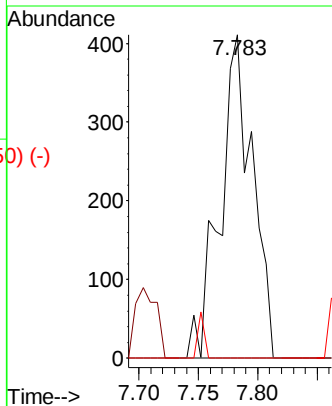
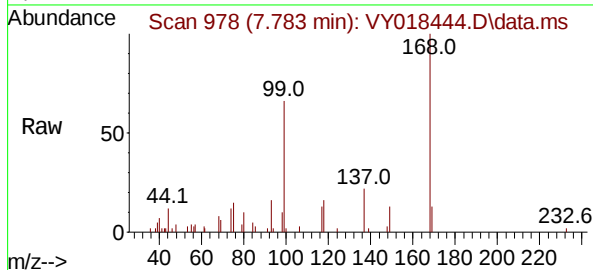
Tgt Ion: 75 Resp: 781

Ion Ratio Lower Upper

75 100

110 0.0 19.0 57.0#

77 0.0 25.3 37.9#



Carbon Tetrachloride

Concen: 3.859 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.104 min

Lab File: VY018444.D

Acq: 03 Jun 2024 16:39

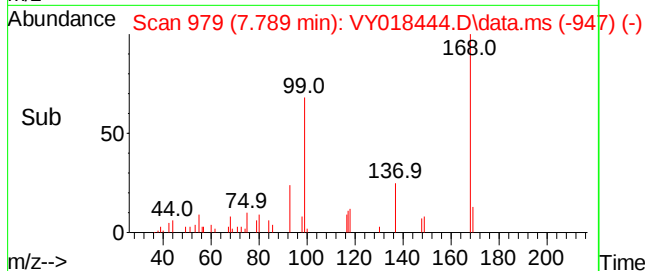
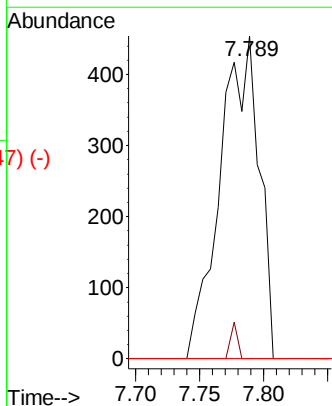
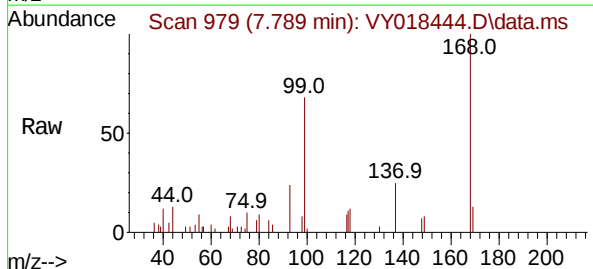
Tgt Ion: 117 Resp: 960

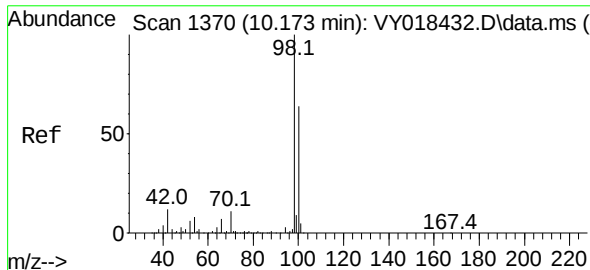
Ion Ratio Lower Upper

117 100

119 0.0 75.8 113.6#

121 0.0 24.0 36.0#





Toluene-d8

Concen: 21.149 ug/l

RT: 10.173 min Scan# 1370

Delta R.T. -0.000 min

Lab File: VY018444.D

Acq: 03 Jun 2024 16:39

Instrument :

MSVOA_Y

ClientSampleId :

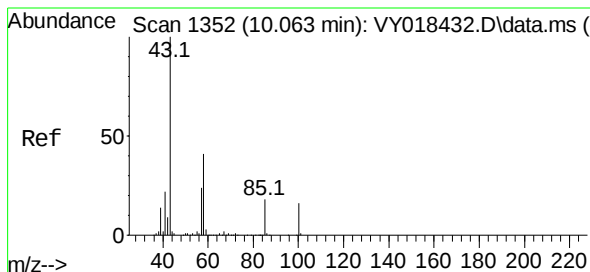
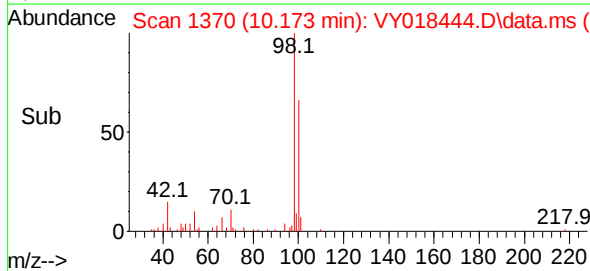
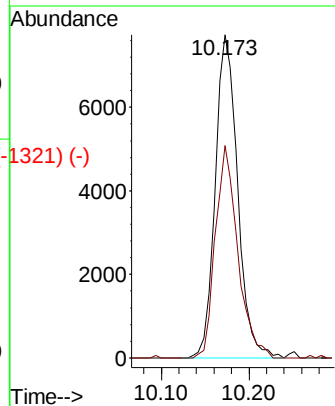
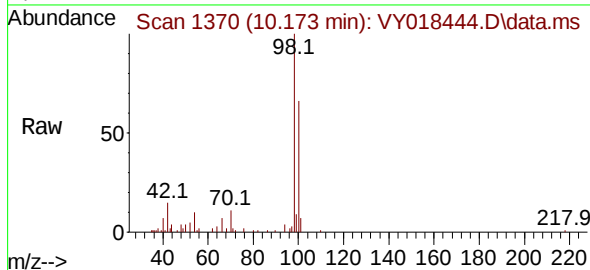
VOC

Tgt Ion: 98 Resp: 13700

Ion Ratio Lower Upper

98 100

100 66.0 52.0 78.0



4-Methyl-2-Pentanone

Concen: 1.578 ug/l

RT: 10.173 min Scan# 1370

Delta R.T. 0.110 min

Lab File: VY018444.D

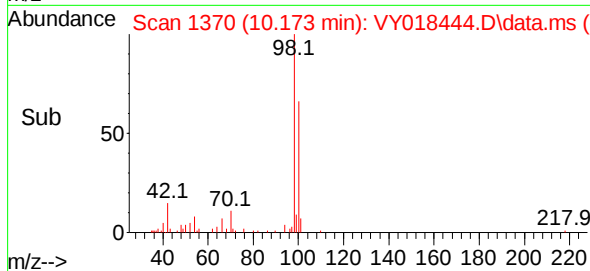
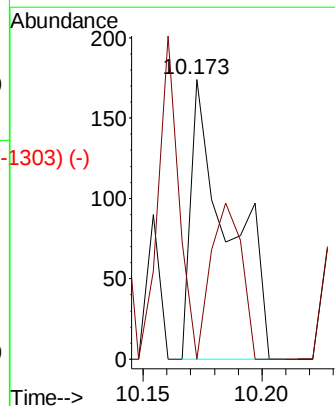
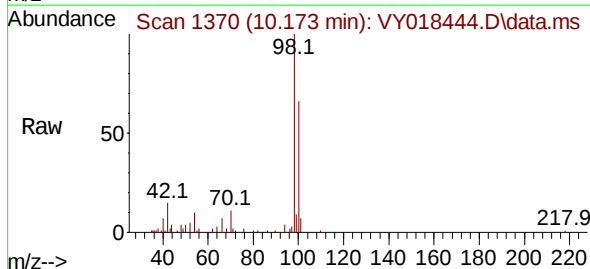
Acq: 03 Jun 2024 16:39

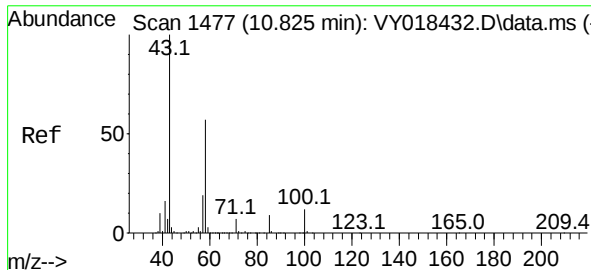
Tgt Ion: 43 Resp: 190

Ion Ratio Lower Upper

43 100

58 45.8 35.7 53.5

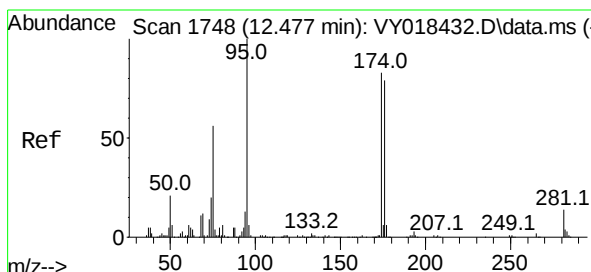
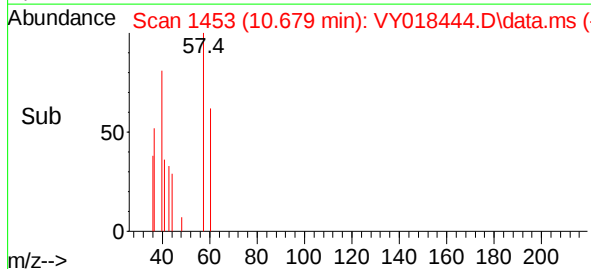
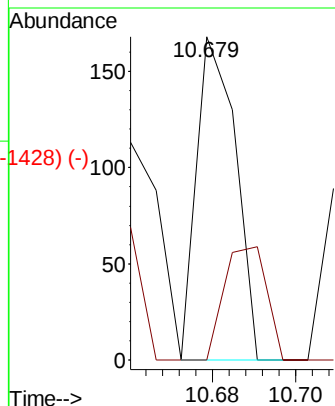
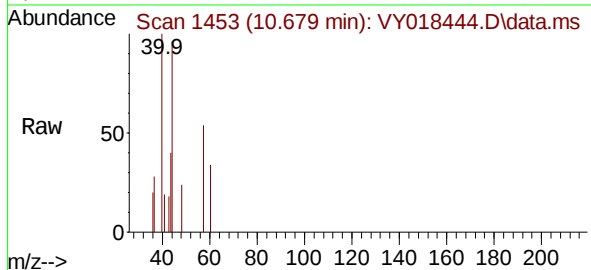




2-Hexanone
Concen: 1.310 ug/l
RT: 10.679 min Scan# 1453
Delta R.T. -0.146 min
Lab File: VY018444.D
Acq: 03 Jun 2024 16:39

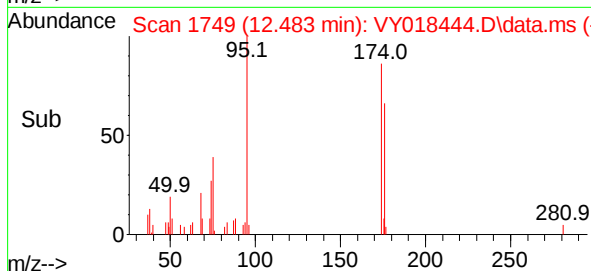
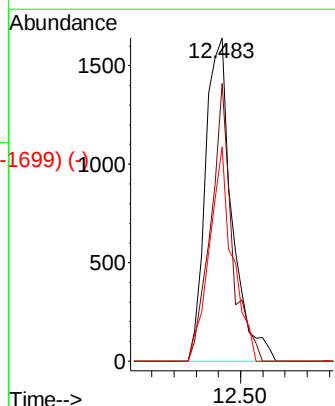
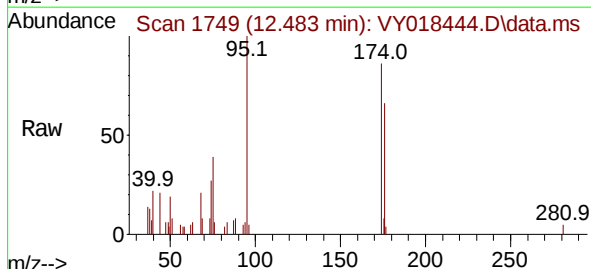
Instrument :
MSVOA_Y
ClientSampleId :
VOC

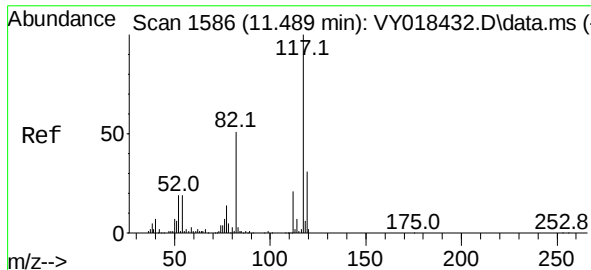
Tgt Ion: 43 Resp: 109
Ion Ratio Lower Upper
43 100
58 38.5 31.4 94.0



4-Bromofluorobenzene
Concen: 13.530 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY018444.D
Acq: 03 Jun 2024 16:39

Tgt Ion: 95 Resp: 2729
Ion Ratio Lower Upper
95 100
174 68.3 0.0 175.6
176 58.2 0.0 171.4

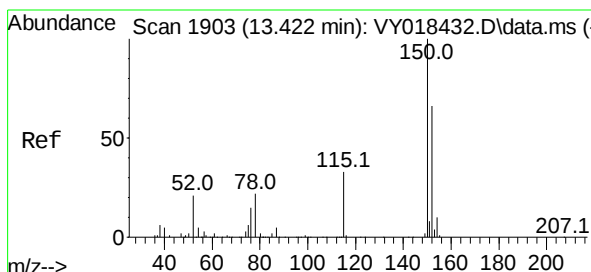
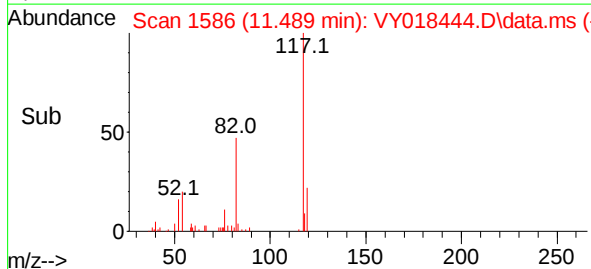
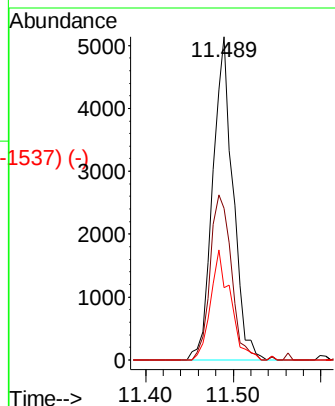
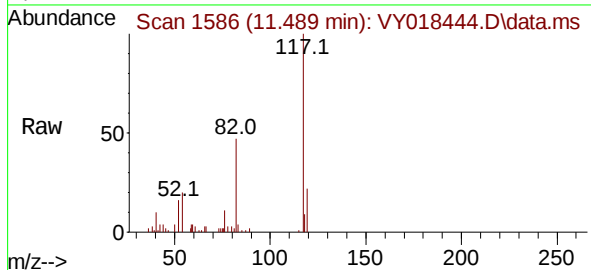




Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY018444.D
Acq: 03 Jun 2024 16:39

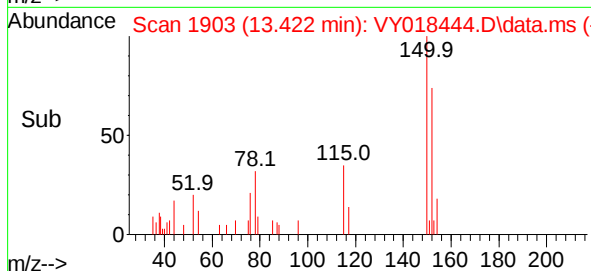
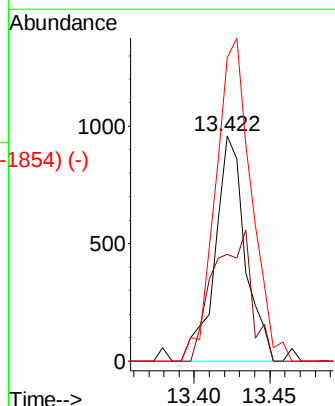
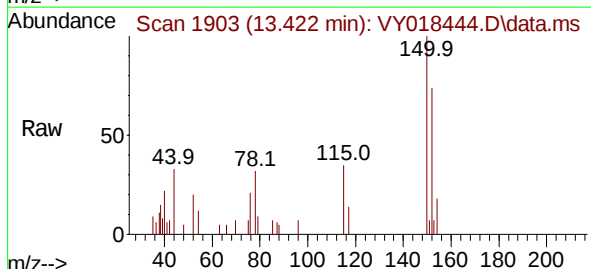
Instrument :
MSVOA_Y
ClientSampleId :
VOC

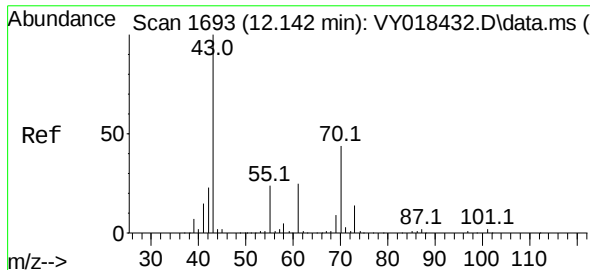
Tgt Ion:	117	Resp:	8253
Ion	Ratio	Lower	Upper
117	100		
82	47.0	42.4	63.6
119	22.4	25.9	38.9#



1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY018444.D
Acq: 03 Jun 2024 16:39

Tgt Ion:	152	Resp:	1327
Ion	Ratio	Lower	Upper
152	100		
115	72.6	28.2	84.7
150	170.0	0.0	345.6

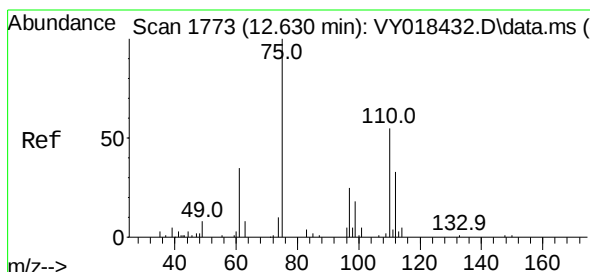
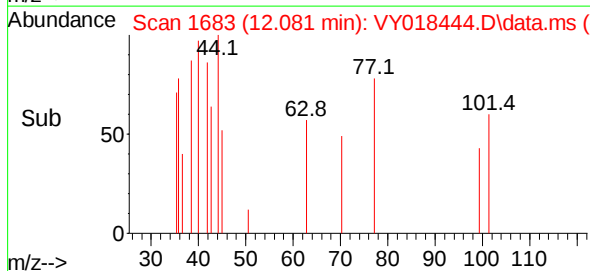
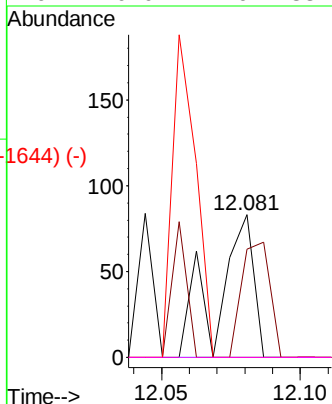
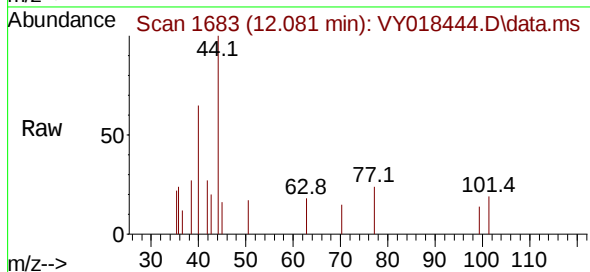




N-ethyl acetate
Concen: 2.220 ug/l
RT: 12.081 min Scan# 1664
Delta R.T. -0.061 min
Lab File: VY018444.D
Acq: 03 Jun 2024 16:39

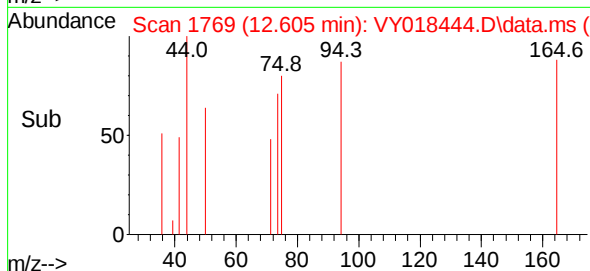
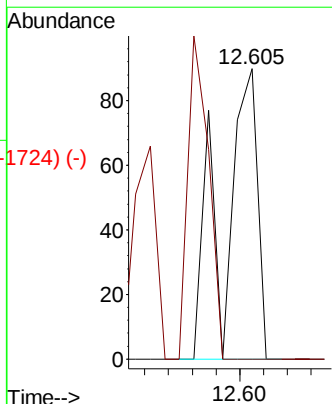
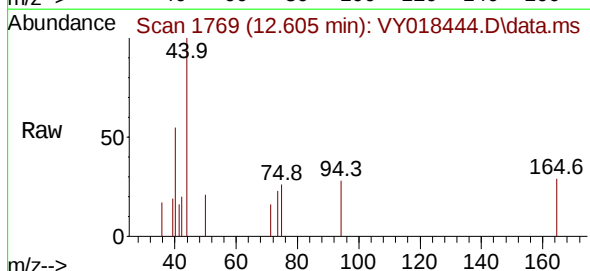
Instrument :
MSVOA_Y
ClientSampleId :
VOC

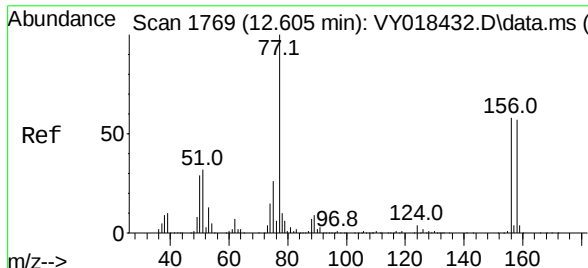
Tgt Ion:	43	Resp:	74
Ion	Ratio	Lower	Upper
43	100		
70	64.9	41.4	62.2#
55	0.0	23.3	34.9#
61	0.0	22.6	33.8#



1,2,3-Trichloropropane
Concen: 5.348 ug/l
RT: 12.605 min Scan# 1769
Delta R.T. -0.024 min
Lab File: VY018444.D
Acq: 03 Jun 2024 16:39

Tgt Ion:	75	Resp:	88
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

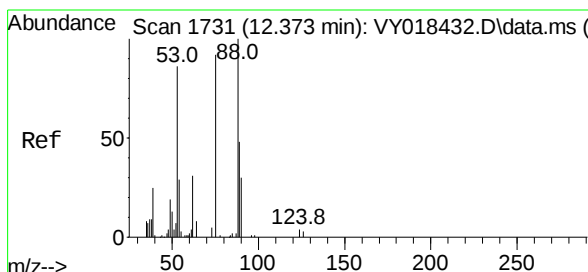
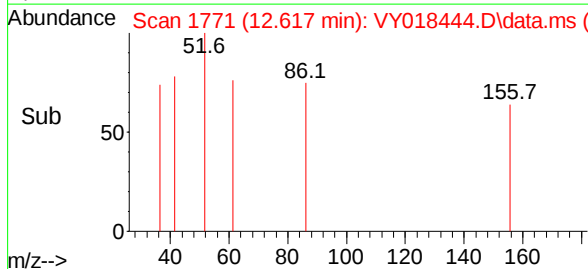
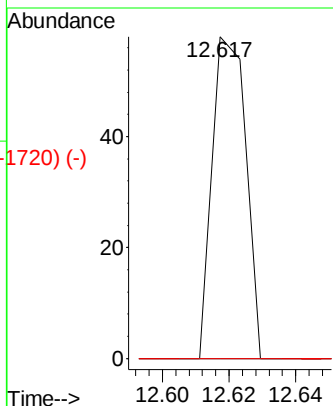
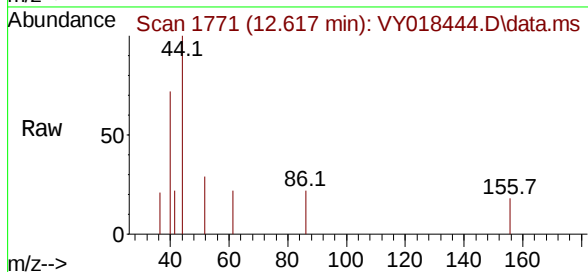




Scan 1769 (12.605 min): VY018432.D\data.ms (-1769) (-)
 Bromobenzene
 Concen: 1.410 ug/l
 RT: 12.617 min Scan# 1771
 Delta R.T. 0.012 min
 Lab File: VY018444.D
 Acq: 03 Jun 2024 16:39

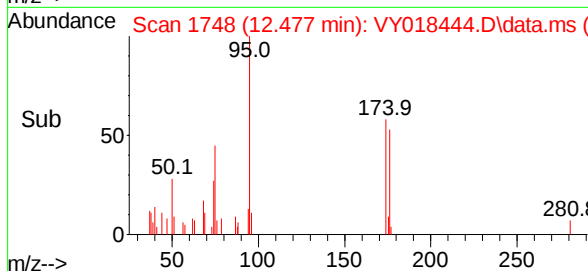
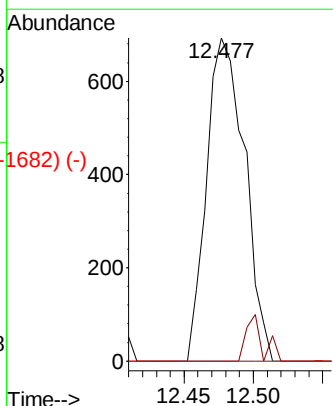
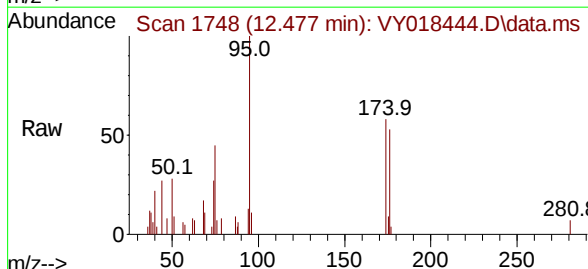
Instrument : MSVOA_Y
 ClientSampleId : VOC

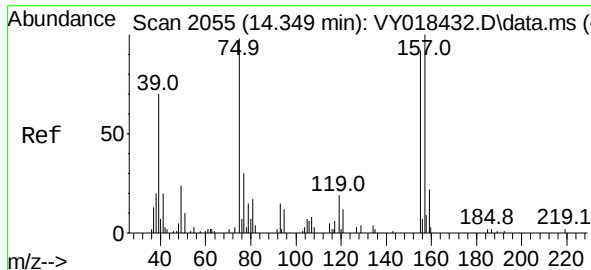
Tgt Ion:	156	Resp:	41
Ion	Ratio	Lower	Upper
156	100		
77	0.0	87.1	261.3#
158	0.0	48.6	145.9#



Scan 1731 (12.373 min): VY018432.D\data.ms (-1731) (-)
 trans-1,4-Dichloro-2-butene
 Concen: 168.790 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. 0.104 min
 Lab File: VY018444.D
 Acq: 03 Jun 2024 16:39

Tgt Ion:	75	Resp:	1322
Ion	Ratio	Lower	Upper
75	100		
53	0.0	66.8	100.2#
89	0.0	35.8	53.6#

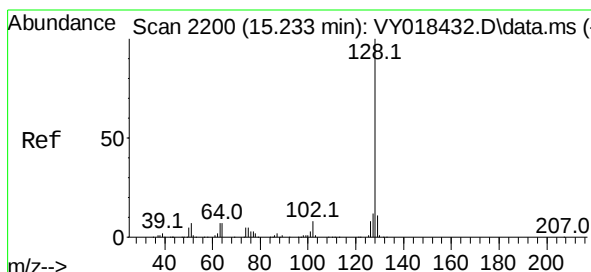
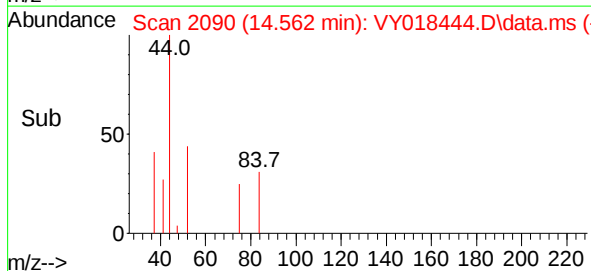
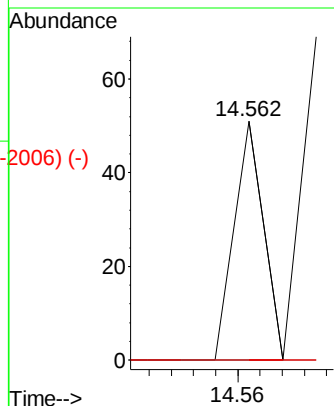
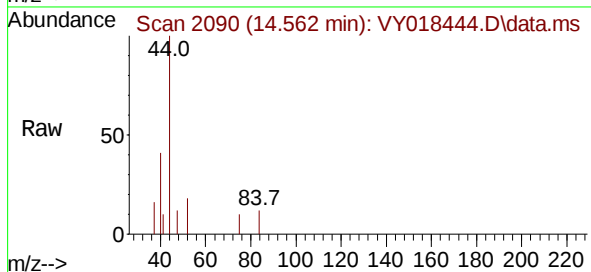




1,2-Dibromo-3-Chloropropane
 Concen: 5.180 ug/l
 RT: 14.562 min Scan# 2099
 Delta R.T. 0.213 min
 Lab File: VY018444.D
 Acq: 03 Jun 2024 16:39

Instrument :
 MSVOA_Y
 ClientSampleId :
 VOC

Tgt Ion:	75	Resp:	19
Ion	Ratio	Lower	Upper
75	100		
155	0.0	48.6	145.8#
157	0.0	62.7	188.2#



Naphthalene
 Concen: 1.218 ug/l
 RT: 15.263 min Scan# 2205
 Delta R.T. 0.030 min
 Lab File: VY018444.D
 Acq: 03 Jun 2024 16:39

Tgt Ion:	128	Resp:	66
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	16.0#
129	0.0	8.6	13.0#

