

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102822\
 Data File : VY011187.D
 Acq On : 29 Oct 2022 04:15
 Operator : KP/MD
 Sample : N5310-11
 Misc : 5.09g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BIN 1-2-(2840)-VOC-7

Quant Time: Oct 29 06:48:06 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102822S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 28 23:42:14 2022
 Response via : Initial Calibration

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

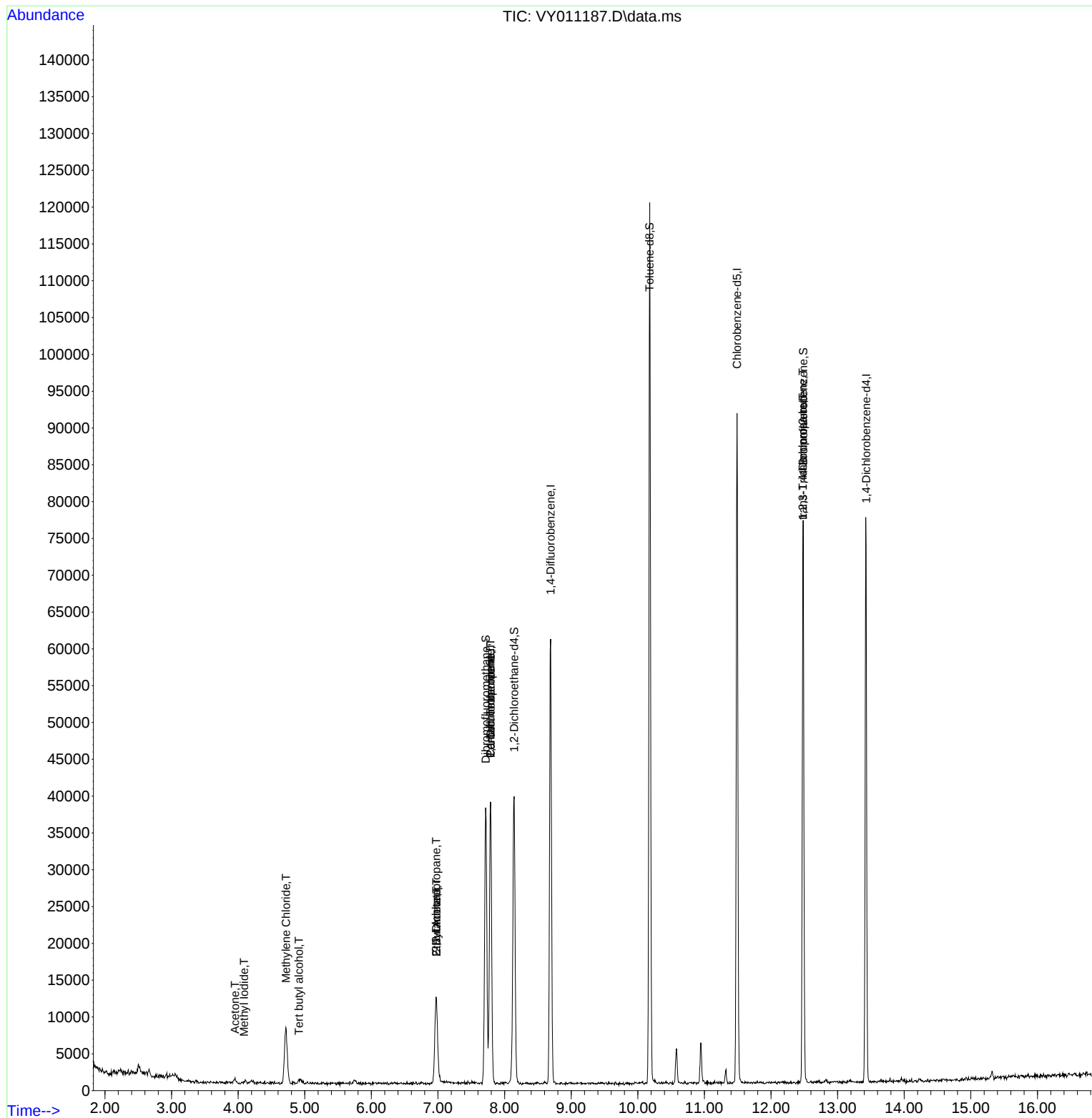
Internal Standards						
1) Pentafluorobenzene	7.789	168	30747	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	53895	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	53095	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	20635	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	30424	95.694	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	191.380%#
35) Dibromofluoromethane	7.716	113	26907	81.184	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	162.360%#
50) Toluene-d8	10.179	98	78831	60.037	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	120.080%
62) 4-Bromofluorobenzene	12.483	95	23233	54.076	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	108.160%
Target Compounds						
					Qvalue	
3) Chloromethane	2.125	50	126	Below Cal	#	4
5) Bromomethane	2.662	94	161	Below Cal	#	73
10) Methyl Iodide	4.088	142	450	1.497	ug/l #	72
11) Tert butyl alcohol	4.911	59	416	9.405	ug/l #	77
16) Acetone	3.954	43	829	10.657	ug/l #	80
18) Methyl Acetate	4.198	43	91	Below Cal	#	56
20) Methylene Chloride	4.716	84	5787	13.030	ug/l	83
25) 2-Butanone	6.978	43	514	4.610	ug/l #	54
26) 2,2-Dichloropropane	6.972	77	827	1.699	ug/l #	55
31) Cyclohexane	7.789	56	652	Below Cal	#	1
36) 1,1-Dichloropropene	7.789	75	2334	5.402	ug/l #	49
37) Ethyl Acetate	6.978	43	514	2.103	ug/l #	1
38) Carbon Tetrachloride	7.789	117	2881	6.122	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	11558	53.874	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	11558	114.411	ug/l #	7

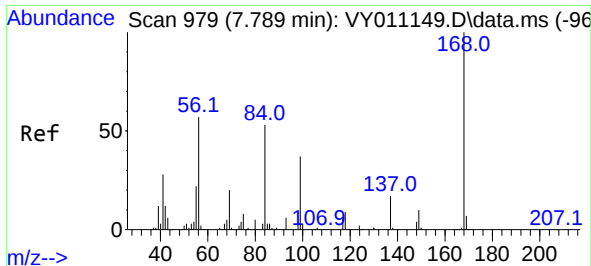
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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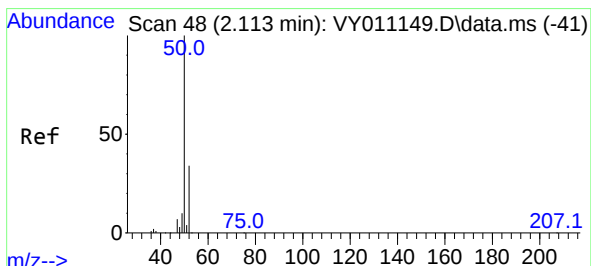
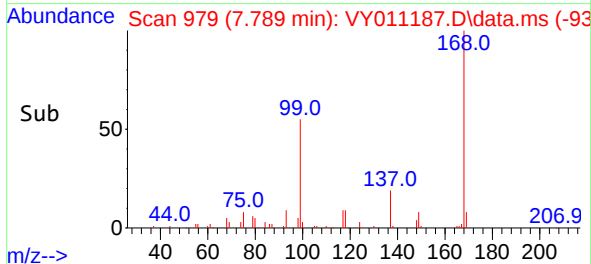
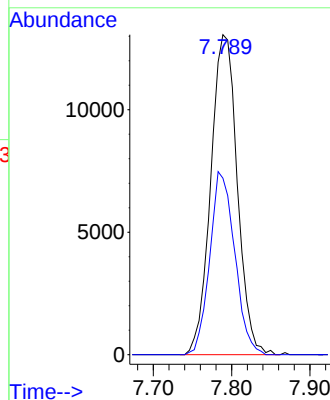
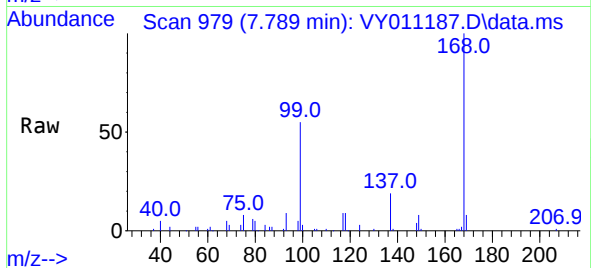




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011187.D
Acq: 29 Oct 2022 04:15

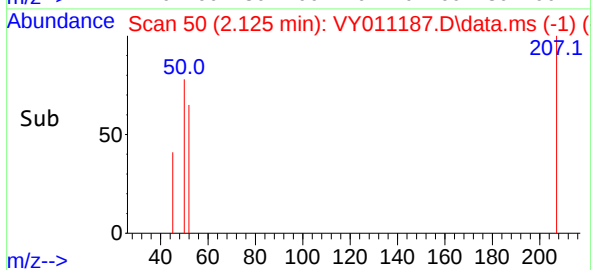
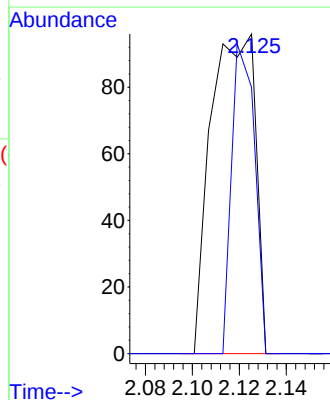
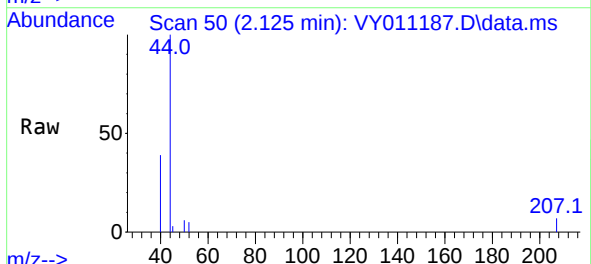
Instrument :
MSVOA_Y
ClientSampleId :
BIN 1-2-(2840)-VOC-7

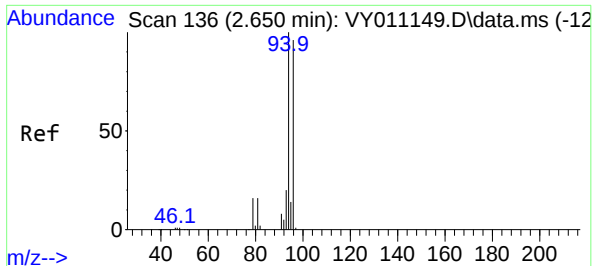
Tgt Ion:168 Resp: 30747
Ion Ratio Lower Upper
168 100
99 55.1 46.9 70.3



#3
Chloromethane
Concen: Below Cal
RT: 2.125 min Scan# 50
Delta R.T. 0.012 min
Lab File: VY011187.D
Acq: 29 Oct 2022 04:15

Tgt Ion: 50 Resp: 126
Ion Ratio Lower Upper
50 100
52 83.3 24.6 37.0#

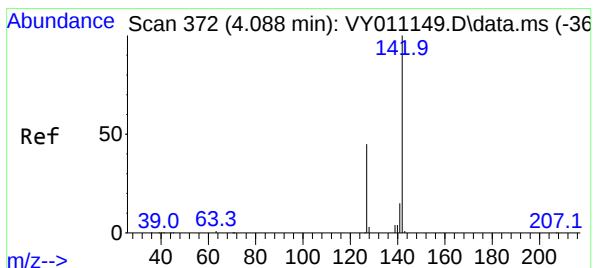
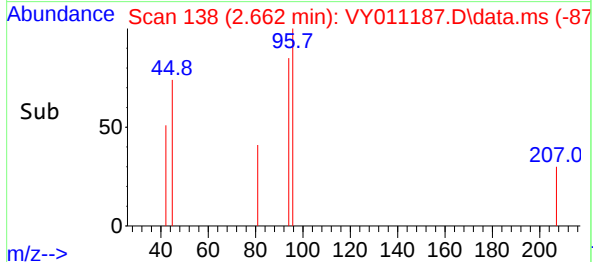
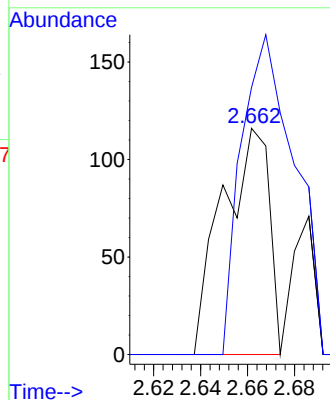
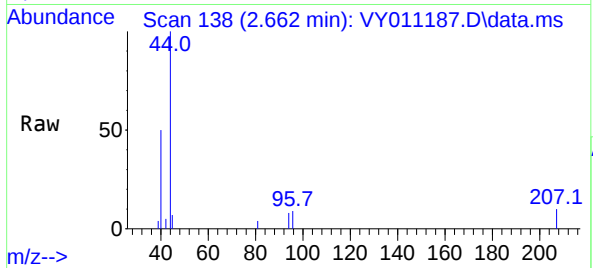




#5
Bromomethane
Concen: Below Cal
RT: 2.662 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY011187.D
Acq: 29 Oct 2022 04:15

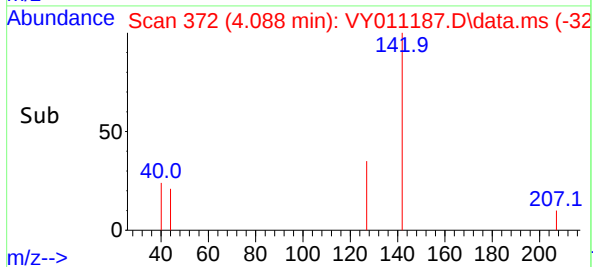
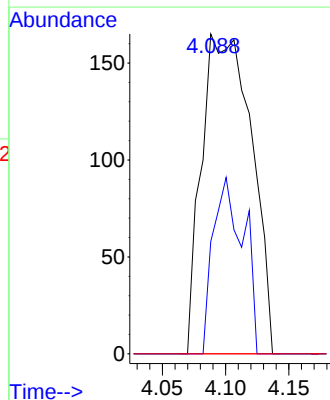
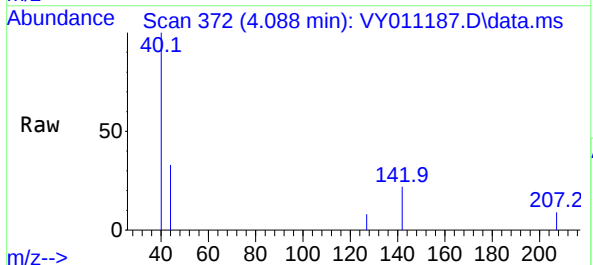
Instrument :
MSVOA_Y
ClientSampleId :
BIN 1-2-(2840)-VOC-7

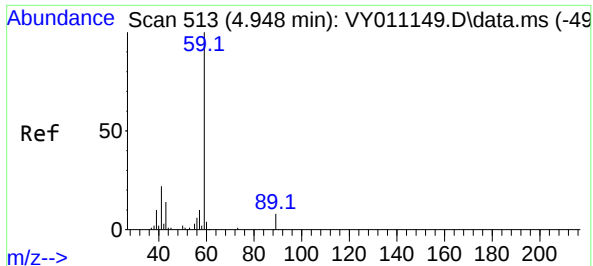
Tgt Ion: 94 Resp: 161
Ion Ratio Lower Upper
94 100
96 118.1 73.5 110.3#



#10
Methyl Iodide
Concen: 1.497 ug/l
RT: 4.088 min Scan# 372
Delta R.T. 0.000 min
Lab File: VY011187.D
Acq: 29 Oct 2022 04:15

Tgt Ion:142 Resp: 450
Ion Ratio Lower Upper
142 100
127 33.8 41.5 62.3#
141 0.0 11.9 17.9#





#11

Tert butyl alcohol

Concen: 9.405 ug/l

RT: 4.911 min Scan# 507

Delta R.T. -0.037 min

Lab File: VY011187.D

Acq: 29 Oct 2022 04:15

Instrument :

MSVOA_Y

ClientSampleId :

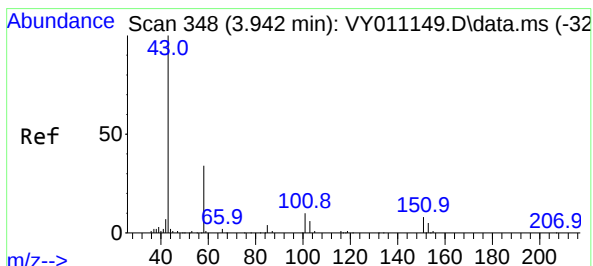
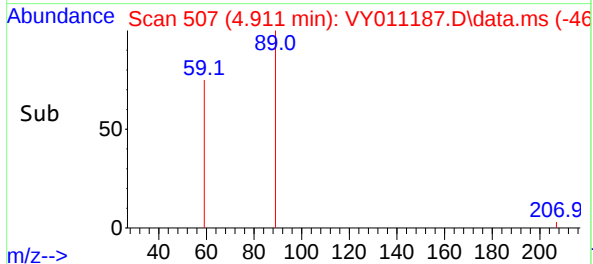
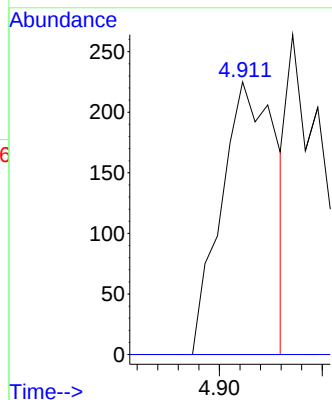
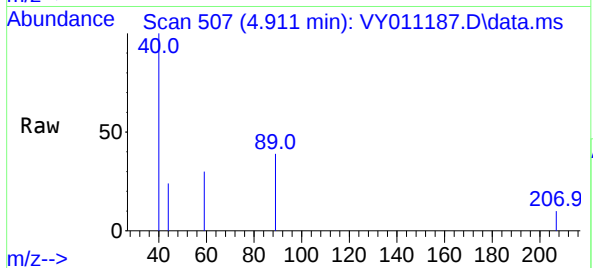
BIN 1-2-(2840)-VOC-7

Tgt Ion: 59 Resp: 416

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#16

Acetone

Concen: 10.657 ug/l

RT: 3.954 min Scan# 350

Delta R.T. 0.012 min

Lab File: VY011187.D

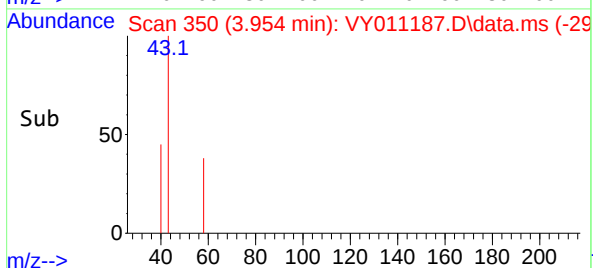
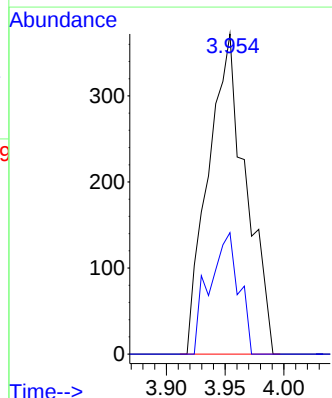
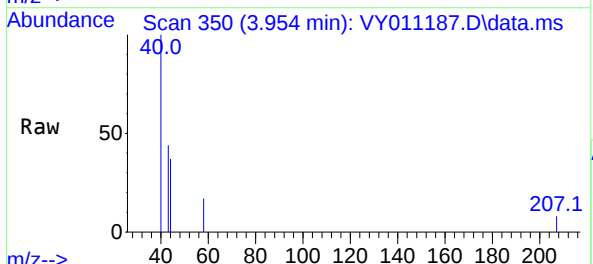
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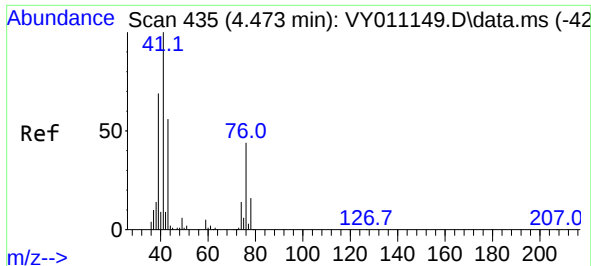
Tgt Ion: 43 Resp: 829

Ion Ratio Lower Upper

43 100

58 37.9 22.0 33.0#

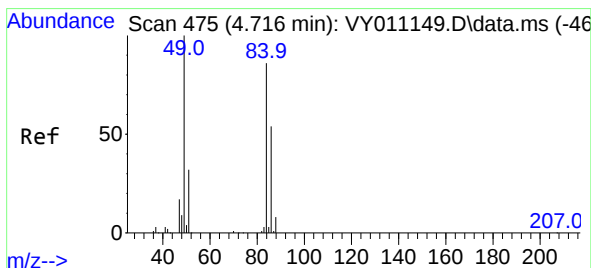
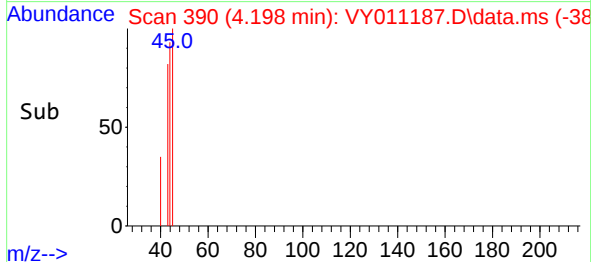
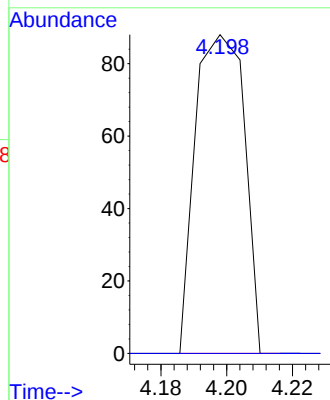
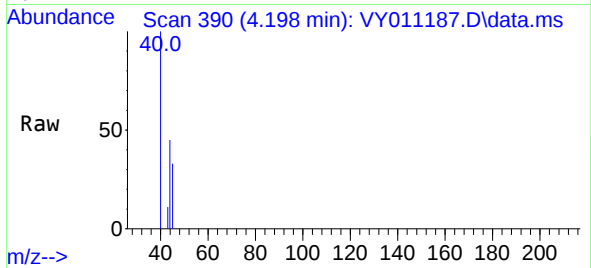




#18
Methyl Acetate
Concen: Below Cal
RT: 4.198 min Scan# 390
Delta R.T. -0.275 min
Lab File: VY011187.D
Acq: 29 Oct 2022 04:15

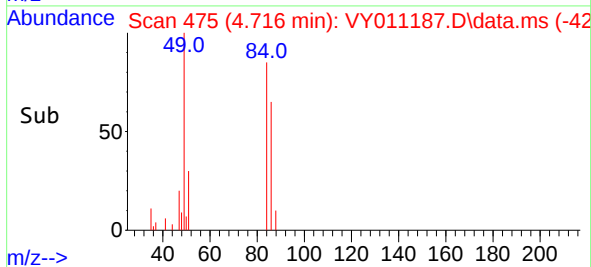
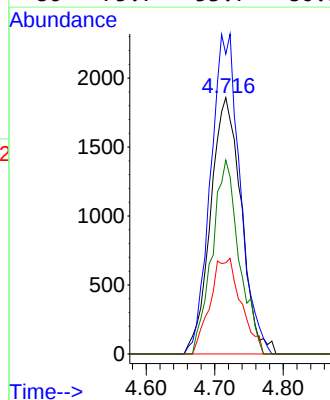
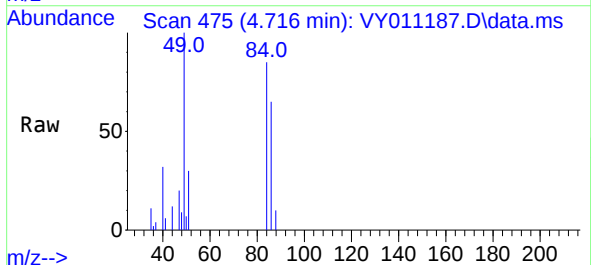
Instrument :
MSVOA_Y
ClientSampleId :
BIN 1-2-(2840)-VOC-7

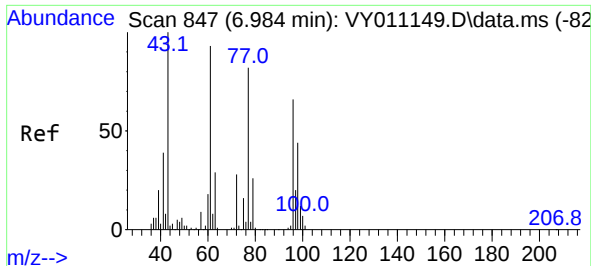
Tgt Ion: 43 Resp: 91
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: 13.030 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY011187.D
Acq: 29 Oct 2022 04:15

Tgt Ion: 84 Resp: 5787
Ion Ratio Lower Upper
84 100
49 117.0 114.4 171.6
51 35.6 35.3 52.9
86 75.7 53.7 80.5

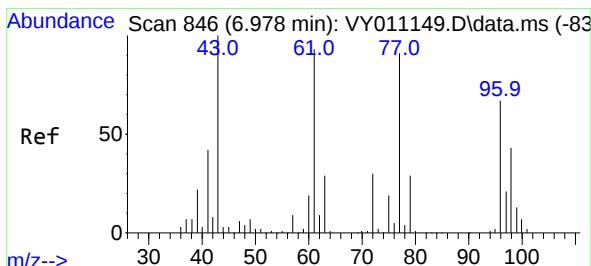
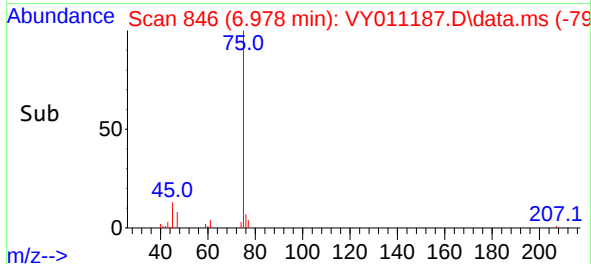
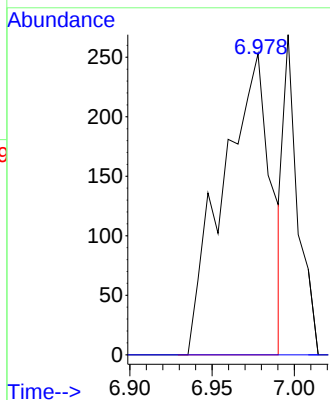
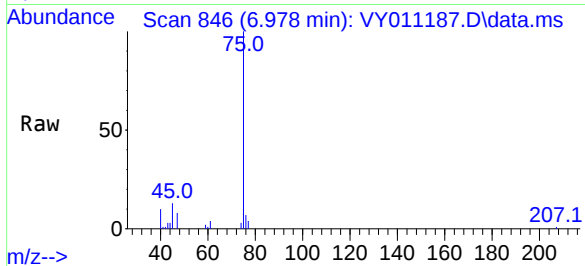




#25
2-Butanone
Concen: 4.610 ug/l
RT: 6.978 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY011187.D
Acq: 29 Oct 2022 04:15

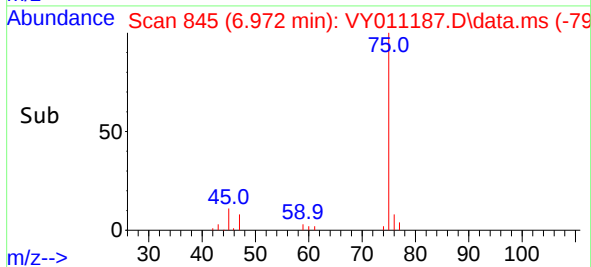
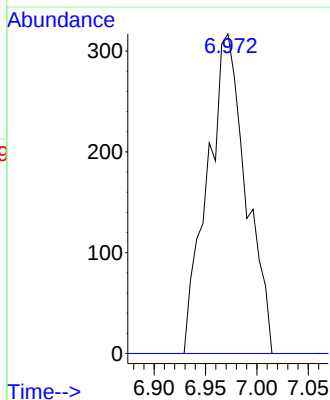
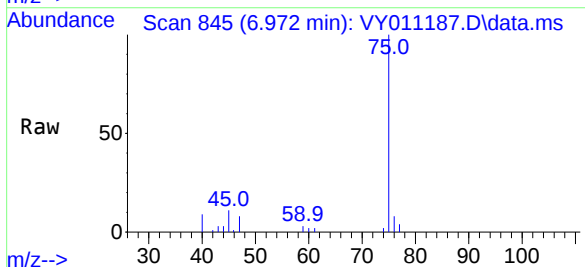
Instrument :
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ClientSampleId :
BIN 1-2-(2840)-VOC-7

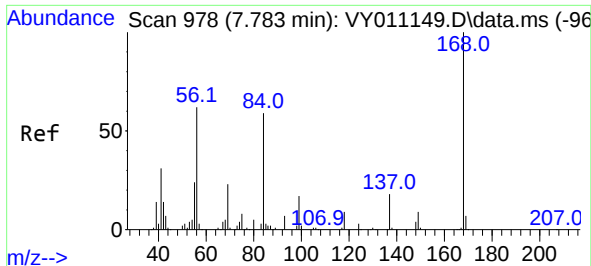
Tgt Ion: 43 Resp: 514
Ion Ratio Lower Upper
43 100
72 0.0 17.7 26.5#



#26
2,2-Dichloropropane
Concen: 1.699 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.006 min
Lab File: VY011187.D
Acq: 29 Oct 2022 04:15

Tgt Ion: 77 Resp: 827
Ion Ratio Lower Upper
77 100
97 0.0 10.4 31.4#

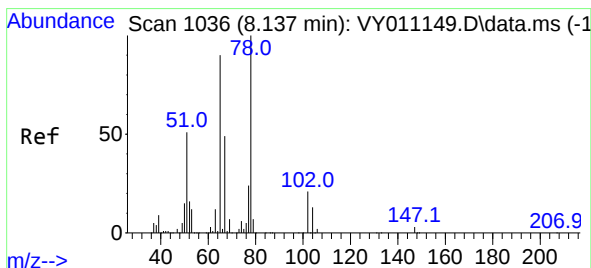
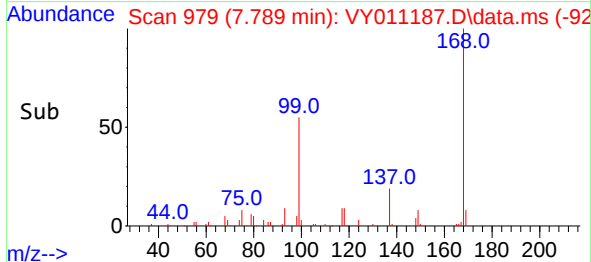
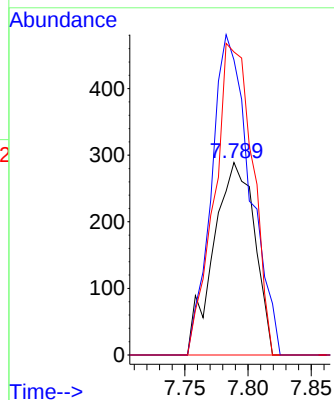
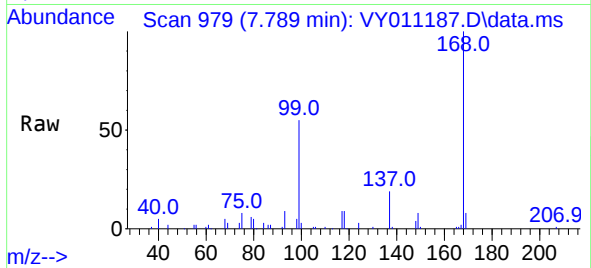




#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY011187.D
Acq: 29 Oct 2022 04:15

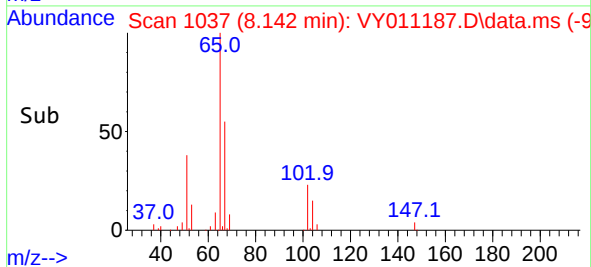
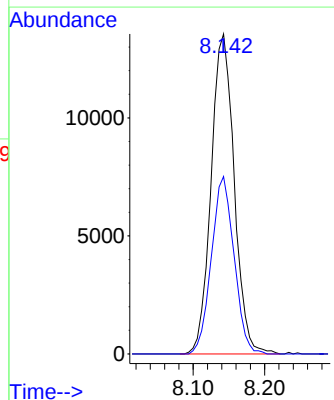
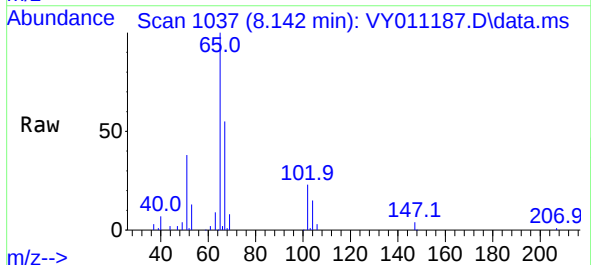
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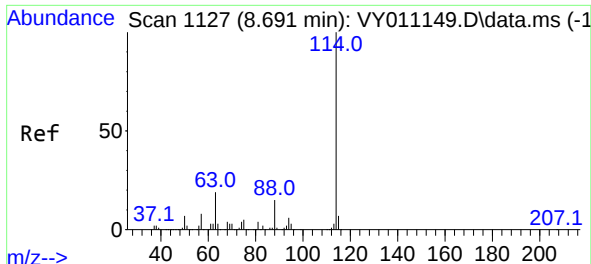
Tgt Ion: 56 Resp: 652
Ion Ratio Lower Upper
56 100
69 153.3 26.7 40.1#
84 157.4 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 95.694 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.005 min
Lab File: VY011187.D
Acq: 29 Oct 2022 04:15

Tgt Ion: 65 Resp: 30424
Ion Ratio Lower Upper
65 100
67 54.4 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY011187.D

Acq: 29 Oct 2022 04:15

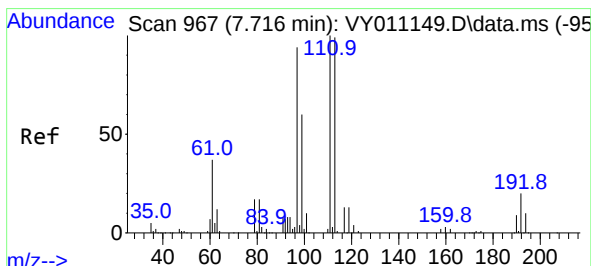
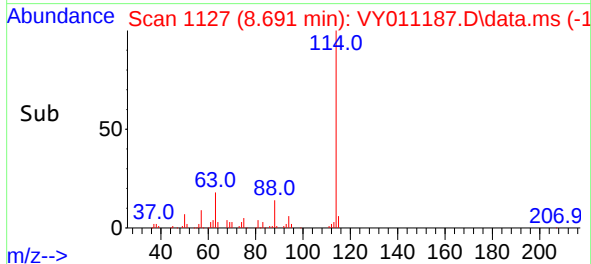
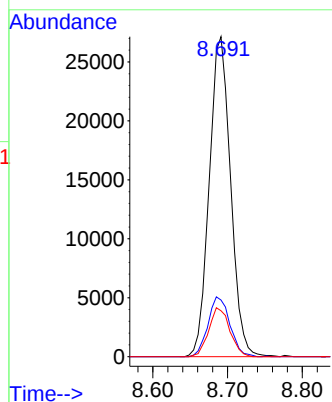
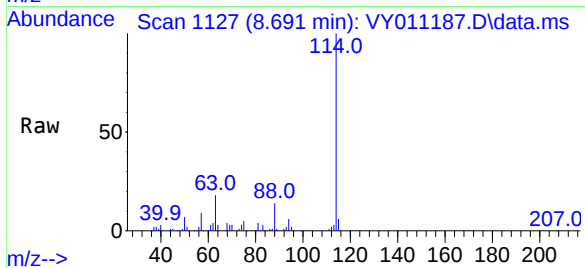
Instrument :

MSVOA_Y

ClientSampleId :

BIN 1-2-(2840)-VOC-7

Tgt Ion:114	Resp:	53895
Ion Ratio	Lower	Upper
114	100	
63	17.7	0.0 43.2
88	14.3	0.0 31.8



#35

Dibromofluoromethane

Concen: 81.184 ug/l

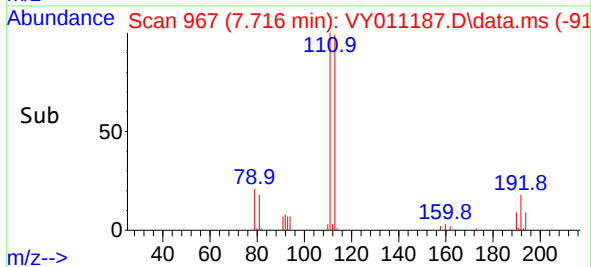
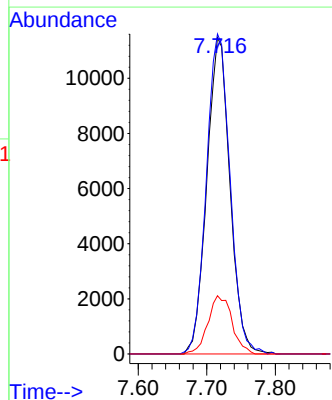
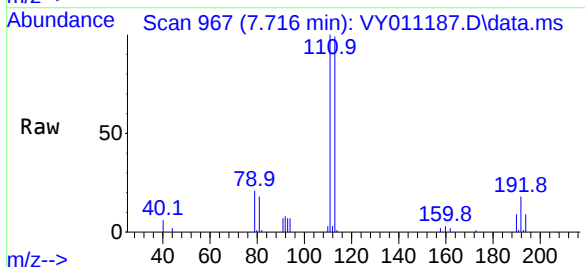
RT: 7.716 min Scan# 967

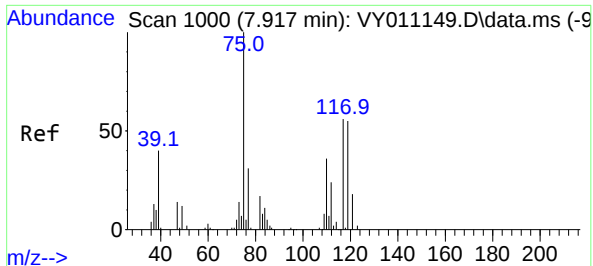
Delta R.T. -0.000 min

Lab File: VY011187.D

Acq: 29 Oct 2022 04:15

Tgt Ion:113	Resp:	26907
Ion Ratio	Lower	Upper
113	100	
111	103.5	82.6 124.0
192	19.1	17.6 26.4

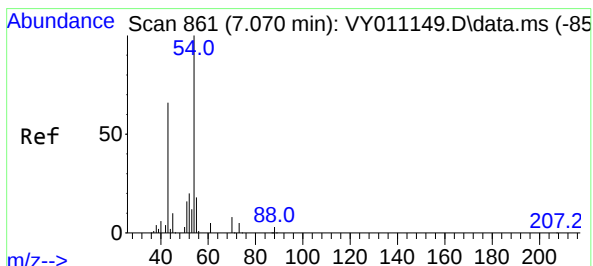
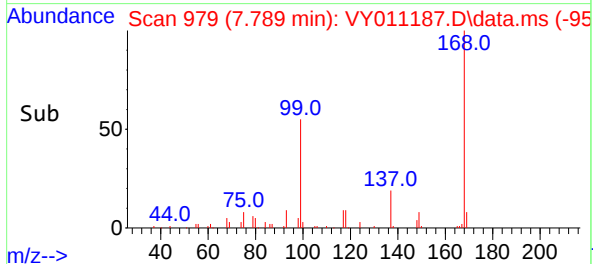
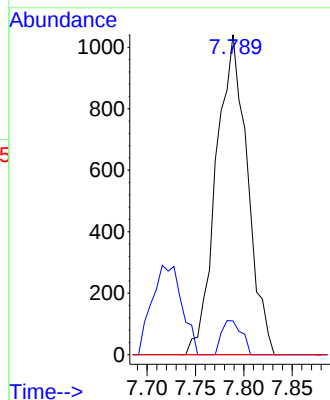
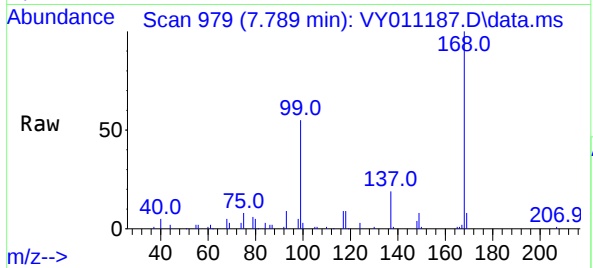




#36
1,1-Dichloropropene
Concen: 5.402 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY011187.D
Acq: 29 Oct 2022 04:15

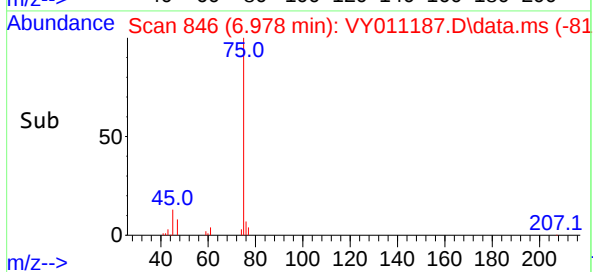
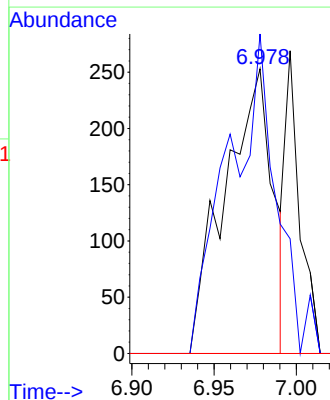
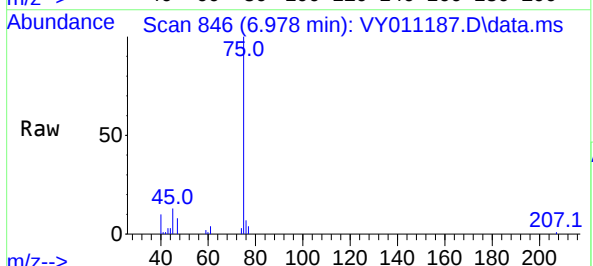
Instrument :
MSVOA_Y
ClientSampleId :
BIN 1-2-(2840)-VOC-7

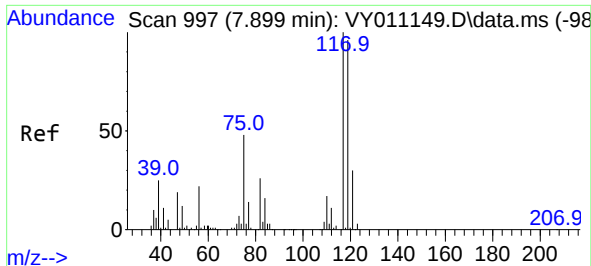
Tgt Ion: 75 Resp: 2334
Ion Ratio Lower Upper
75 100
110 6.8 17.1 51.2#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 2.103 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.092 min
Lab File: VY011187.D
Acq: 29 Oct 2022 04:15

Tgt Ion: 43 Resp: 514
Ion Ratio Lower Upper
43 100
61 113.2 9.7 14.5#
70 0.0 7.1 10.7#

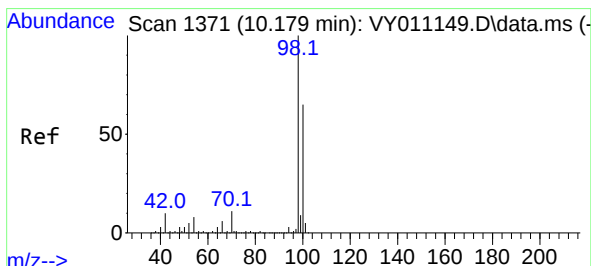
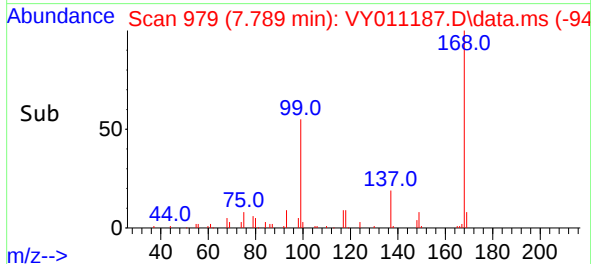
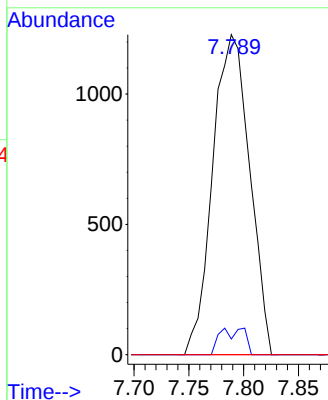
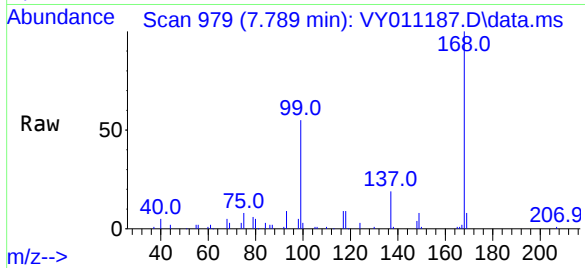




#38
Carbon Tetrachloride
Concen: 6.122 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY011187.D
Acq: 29 Oct 2022 04:15

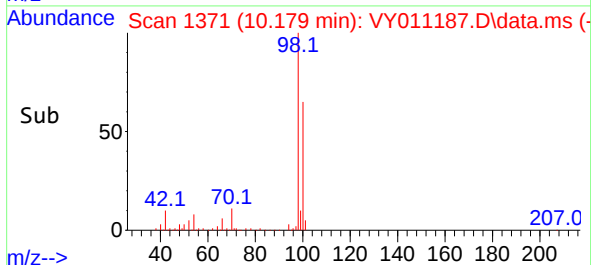
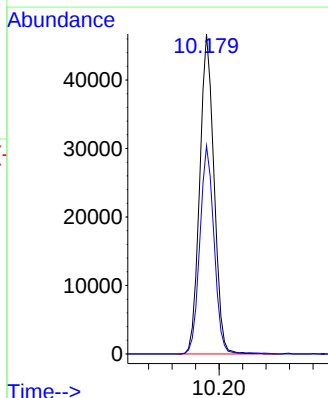
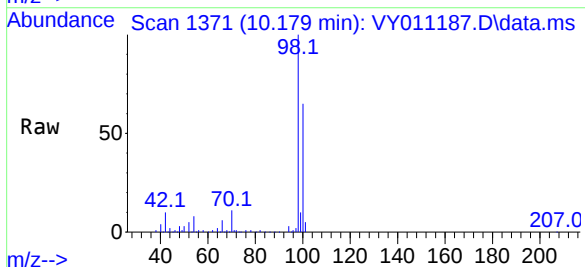
Instrument :
MSVOA_Y
ClientSampleId :
BIN 1-2-(2840)-VOC-7

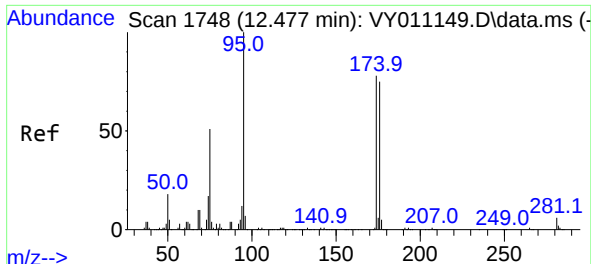
Tgt Ion:117 Resp: 2881
Ion Ratio Lower Upper
117 100
119 4.9 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 60.037 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011187.D
Acq: 29 Oct 2022 04:15

Tgt Ion: 98 Resp: 78831
Ion Ratio Lower Upper
98 100
100 64.4 50.2 75.2

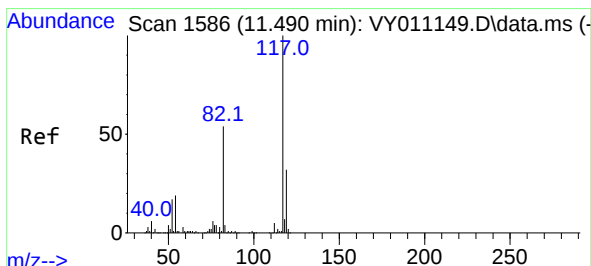
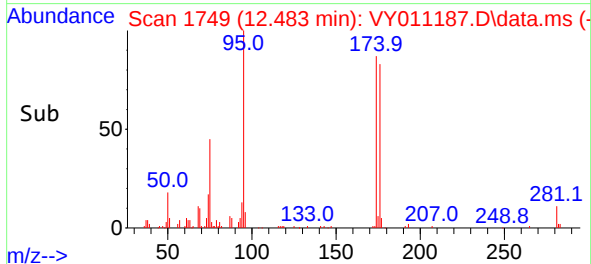
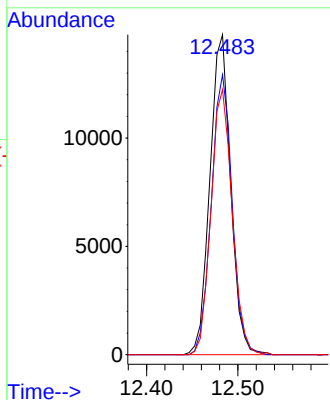
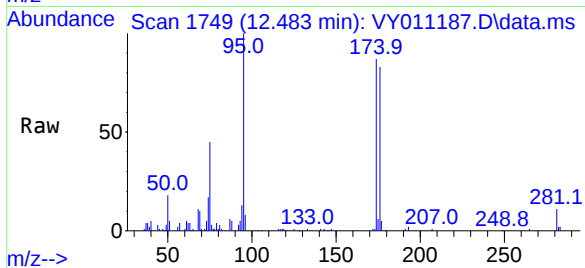




#62
4-Bromofluorobenzene
Concen: 54.076 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY011187.D
Acq: 29 Oct 2022 04:15

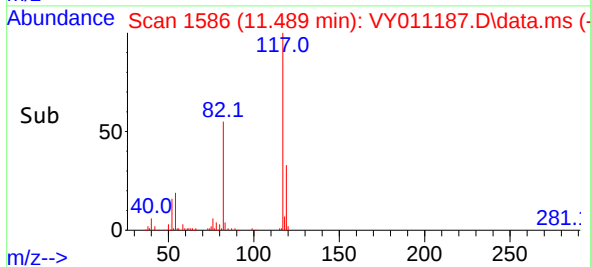
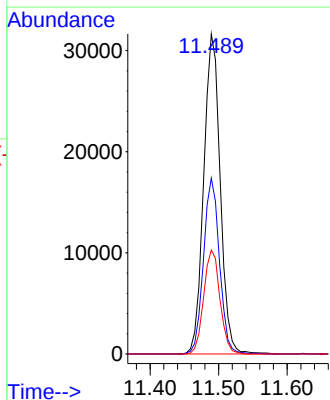
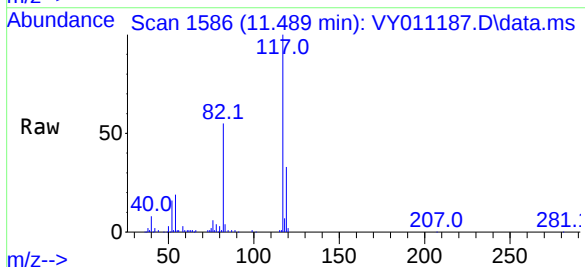
Instrument :
MSVOA_Y
ClientSampleId :
BIN 1-2-(2840)-VOC-7

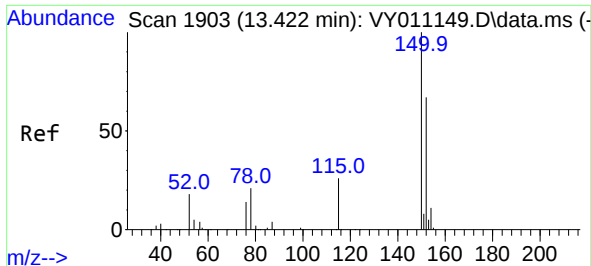
Tgt Ion: 95 Resp: 23233
Ion Ratio Lower Upper
95 100
174 88.0 0.0 177.0
176 84.7 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY011187.D
Acq: 29 Oct 2022 04:15

Tgt Ion: 117 Resp: 53095
Ion Ratio Lower Upper
117 100
82 54.9 43.0 64.4
119 32.5 25.4 38.0

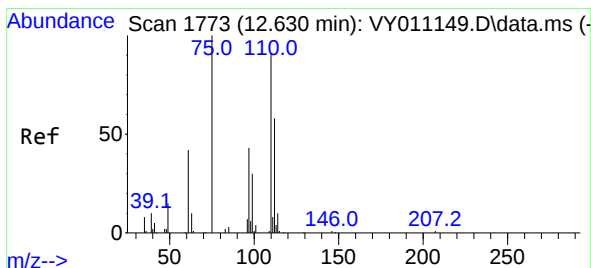
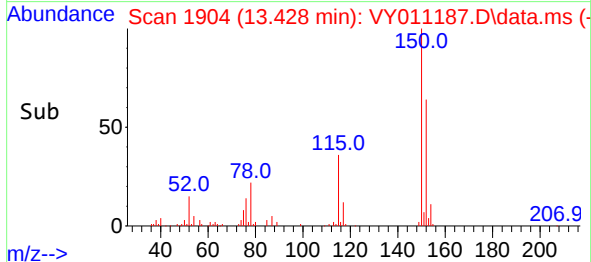
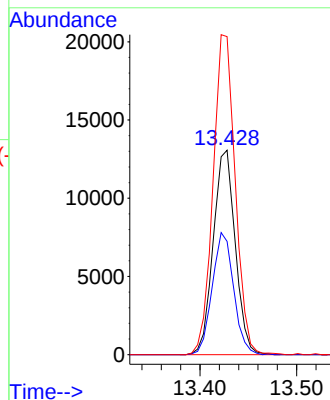
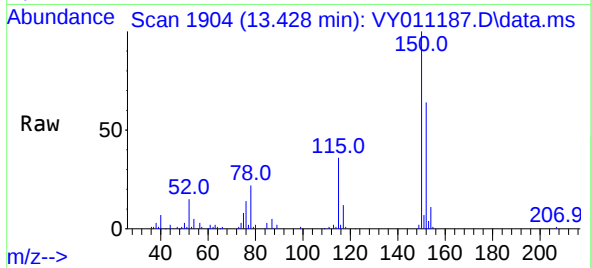




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1903
 Delta R.T. 0.006 min
 Lab File: VY011187.D
 Acq: 29 Oct 2022 04:15

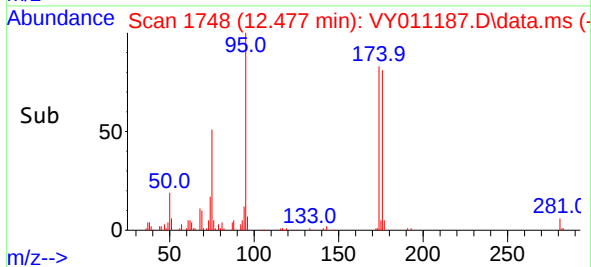
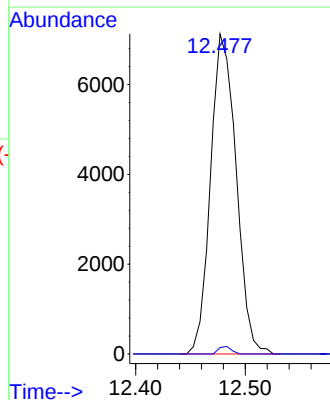
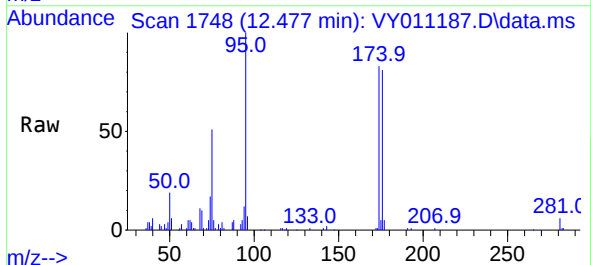
Instrument :
 MSVOA_Y
 ClientSampleId :
 BIN 1-2-(2840)-VOC-7

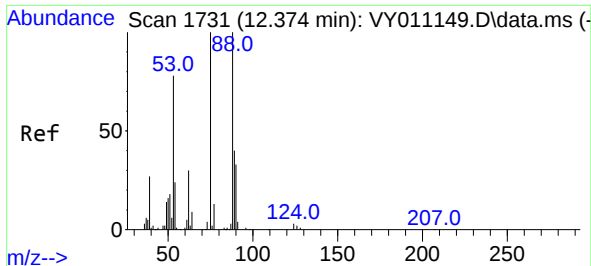
Tgt Ion:152 Resp: 20635
 Ion Ratio Lower Upper
 152 100
 115 58.2 28.2 84.7
 150 157.6 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 53.874 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.153 min
 Lab File: VY011187.D
 Acq: 29 Oct 2022 04:15

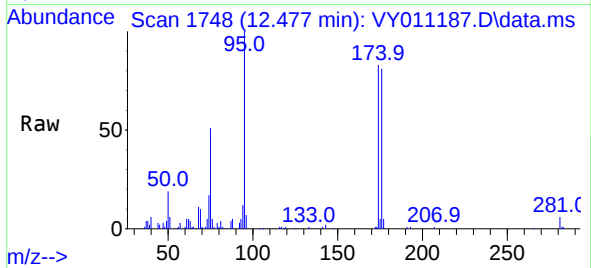
Tgt Ion: 75 Resp: 11558
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 114.411 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY011187.D
 Acq: 29 Oct 2022 04:15

Instrument :
 MSVOA_Y
 ClientSampleId :
 BIN 1-2-(2840)-VOC-7



Tgt Ion: 75 Resp: 11558
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.3 127.9#
 89 0.0 37.0 55.4#

