

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092822\
 Data File : VY010716.D
 Acq On : 28 Sep 2022 15:06
 Operator : KP/MD
 Sample : N4855-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OE-02-092822

Quant Time: Sep 29 01:13:33 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091922S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 20 01:02:44 2022
 Response via : Initial Calibration

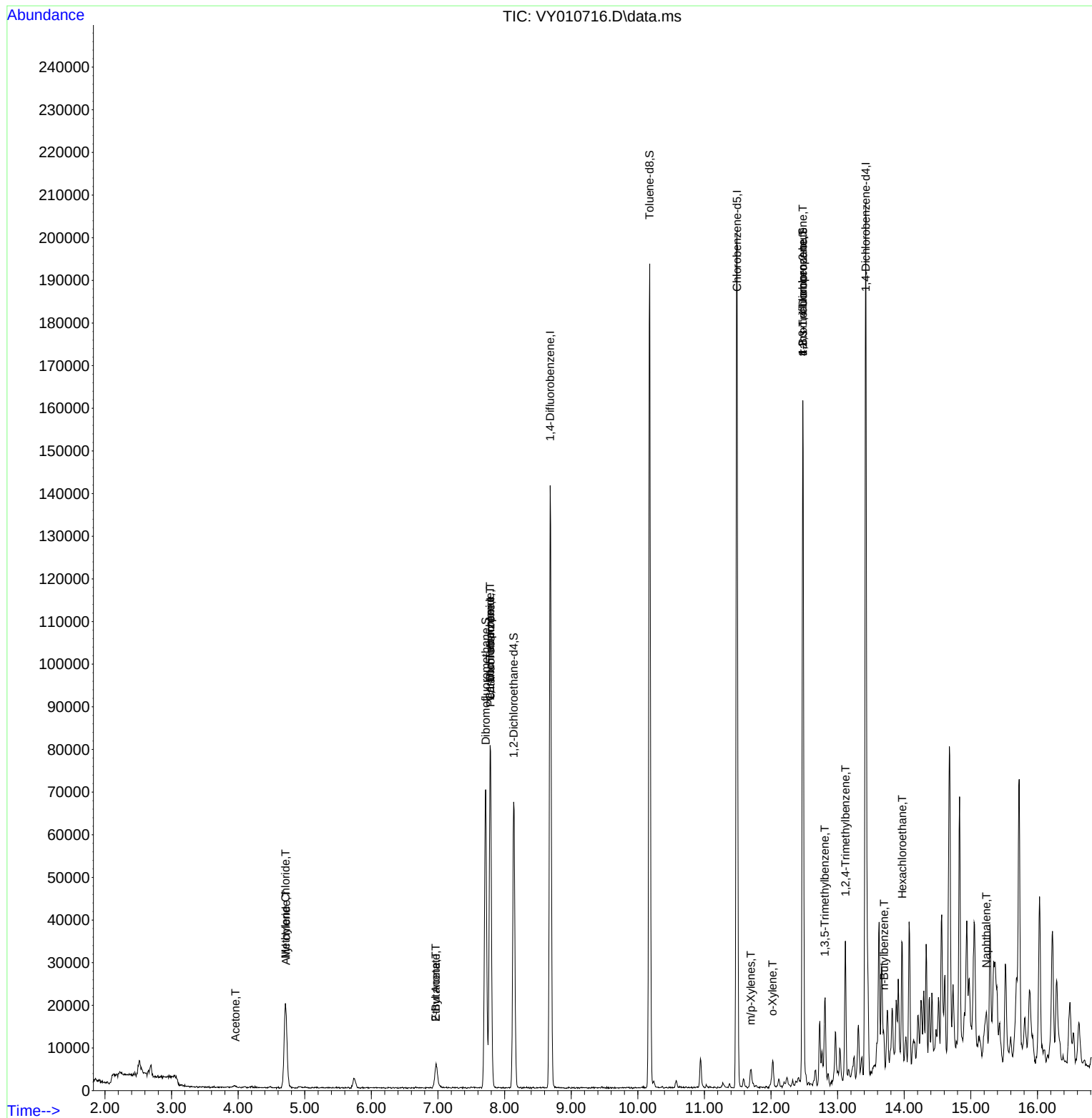
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.789	168	61701	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	118297	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	110933	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	50864	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	53005	89.815	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 179.640%#	
35) Dibromofluoromethane	7.716	113	48131	63.752	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 127.500%	
50) Toluene-d8	10.179	98	125846	45.409	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 90.820%	
62) 4-Bromofluorobenzene	12.477	95	47959	46.103	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 92.200%	
Target Compounds						Qvalue
3) Chloromethane	2.107	50	424	Below Cal	#	82
4) Vinyl Chloride	2.412	62	27	Below Cal	#	43
5) Bromomethane	2.662	94	261	Below Cal		99
11) Tert butyl alcohol	4.942	59	499	Below Cal	#	77
14) Allyl chloride	4.716	41	690	1.050	ug/l #	22
16) Acetone	3.960	43	809	6.722	ug/l	90
18) Methyl Acetate	4.472	43	345	Below Cal	#	56
20) Methylene Chloride	4.710	84	14924	14.987	ug/l	84
25) 2-Butanone	6.966	43	539	2.863	ug/l #	54
31) Cyclohexane	7.783	56	1546	Below Cal	#	55
36) 1,1-Dichloropropene	7.783	75	4865	5.783	ug/l #	51
37) Ethyl Acetate	6.966	43	539	1.109	ug/l #	54
38) Carbon Tetrachloride	7.783	117	6092	6.298	ug/l #	19
68) m/p-Xylenes	11.697	106	1564	1.199	ug/l	81
69) o-Xylene	12.026	106	1698	1.335	ug/l	90
76) 1,2,3-Trichloropropane	12.477	75	25690	52.919	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.806	105	6157	2.318	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.477	75	25690	117.661	ug/l #	7
84) 1,2,4-Trimethylbenzene	13.117	105	16001	6.064	ug/l	97
89) n-Butylbenzene	13.696	91	4007	1.501	ug/l #	78
90) Hexachloroethane	13.971	117	1523	2.728	ug/l #	6
95) Naphthalene	15.233	128	5110	3.074	ug/l	97

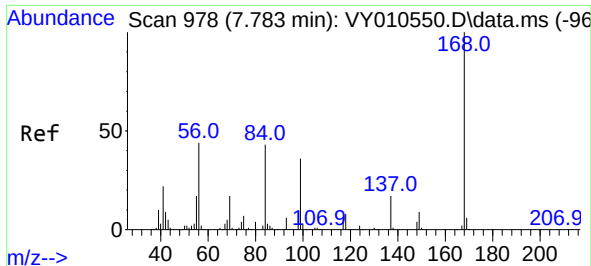
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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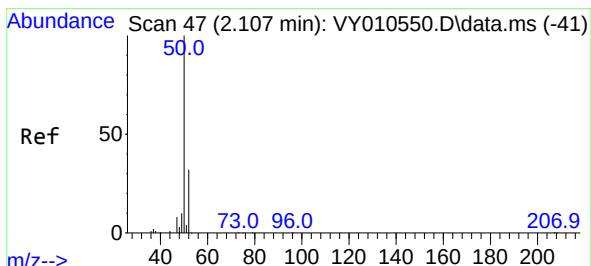
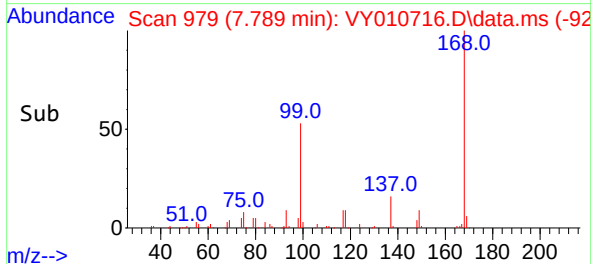
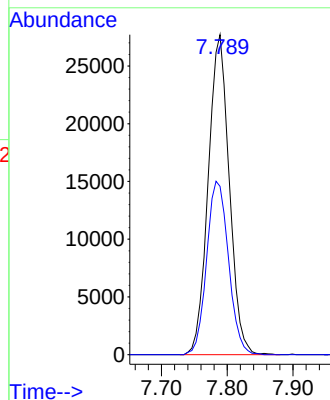
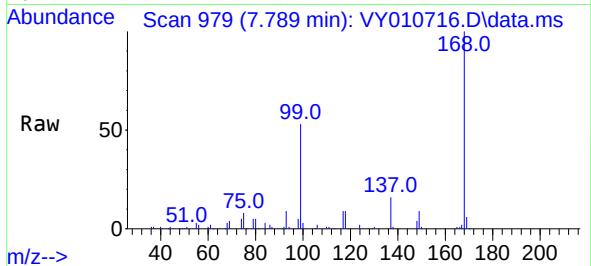




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010716.D
Acq: 28 Sep 2022 15:06

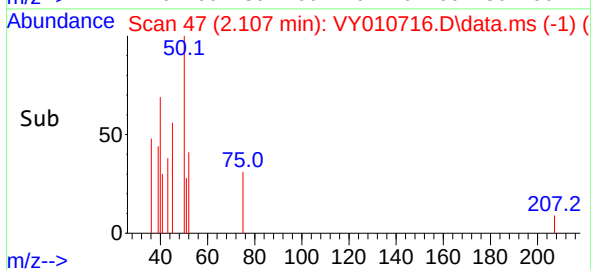
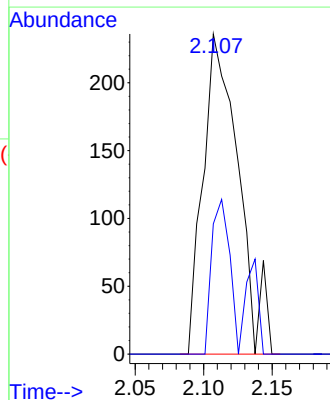
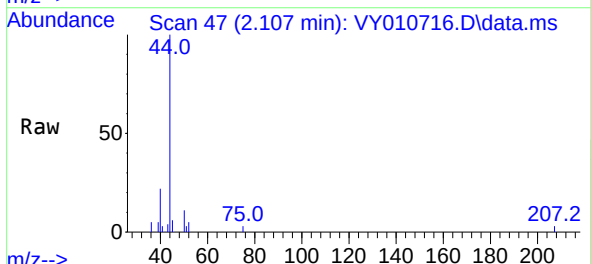
Instrument :
MSVOA_Y
ClientSampleId :
OE-02-092822

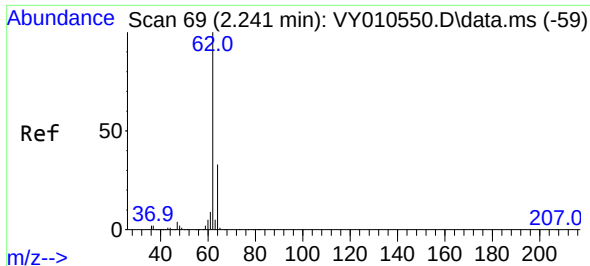
Tgt Ion:168 Resp: 61701
Ion Ratio Lower Upper
168 100
99 52.6 46.9 70.3



#3
Chloromethane
Concen: Below Cal
RT: 2.107 min Scan# 47
Delta R.T. 0.000 min
Lab File: VY010716.D
Acq: 28 Sep 2022 15:06

Tgt Ion: 50 Resp: 424
Ion Ratio Lower Upper
50 100
52 40.7 24.6 37.0#

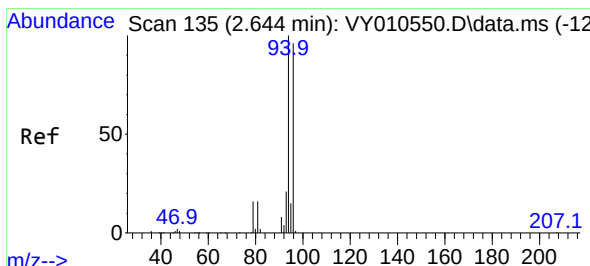
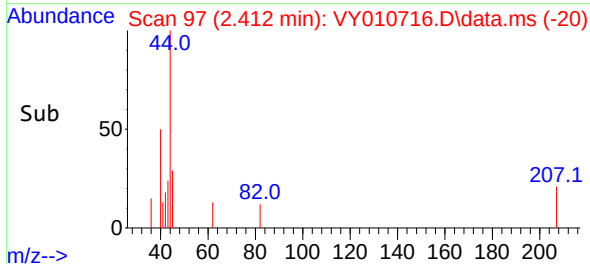
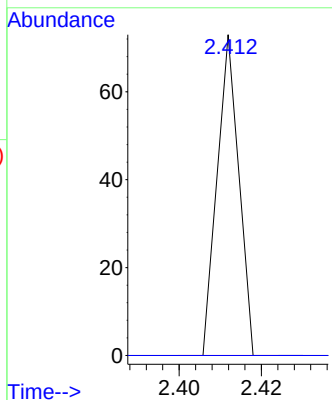
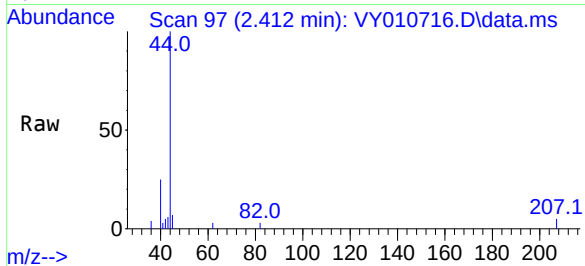




#4
 Vinyl Chloride
 Concen: Below Cal
 RT: 2.412 min Scan# 91
 Delta R.T. 0.171 min
 Lab File: VY010716.D
 Acq: 28 Sep 2022 15:06

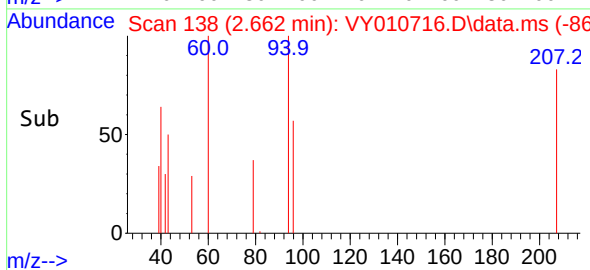
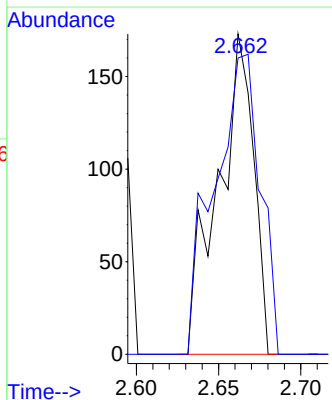
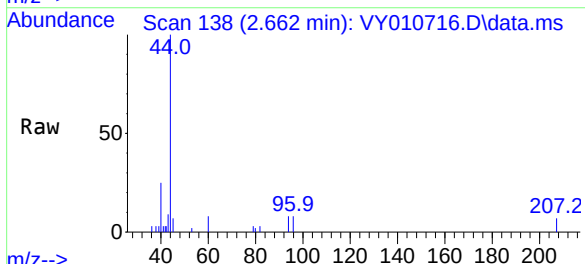
Instrument :
 MSVOA_Y
 ClientSampleId :
 OE-02-092822

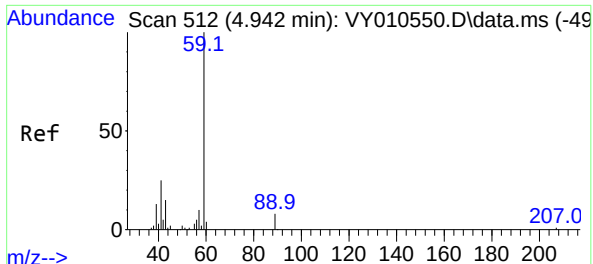
Tgt Ion: 62 Resp: 27
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.0 37.6#



#5
 Bromomethane
 Concen: Below Cal
 RT: 2.662 min Scan# 138
 Delta R.T. 0.018 min
 Lab File: VY010716.D
 Acq: 28 Sep 2022 15:06

Tgt Ion: 94 Resp: 261
 Ion Ratio Lower Upper
 94 100
 96 92.5 73.5 110.3





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.942 min Scan# 512

Delta R.T. -0.000 min

Lab File: VY010716.D

Acq: 28 Sep 2022 15:06

Instrument :

MSVOA_Y

ClientSampleId :

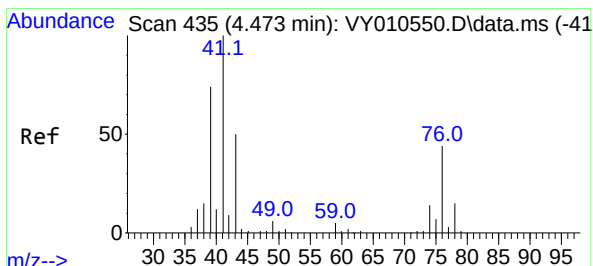
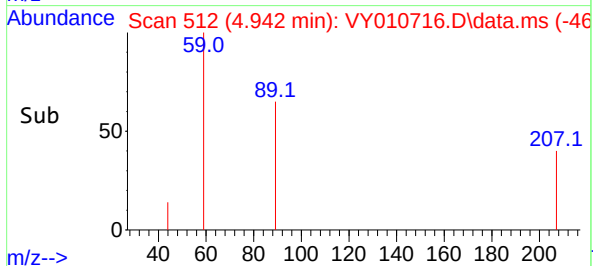
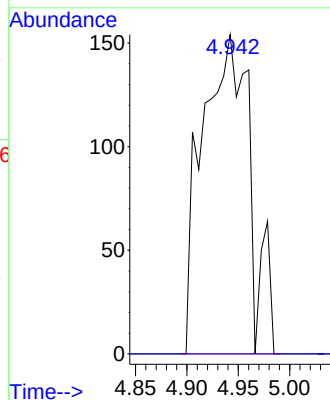
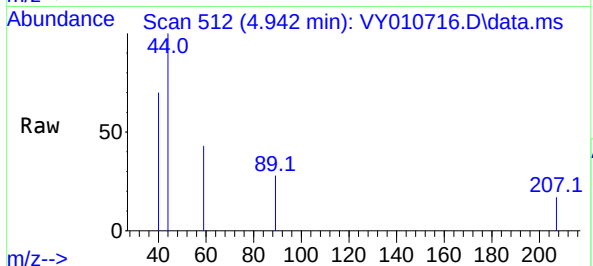
OE-02-092822

Tgt Ion: 59 Resp: 499

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#14

Allyl chloride

Concen: 1.050 ug/l

RT: 4.716 min Scan# 475

Delta R.T. 0.243 min

Lab File: VY010716.D

Acq: 28 Sep 2022 15:06

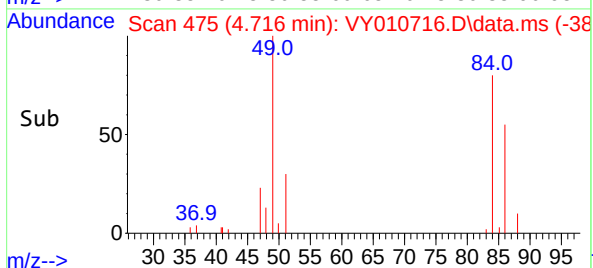
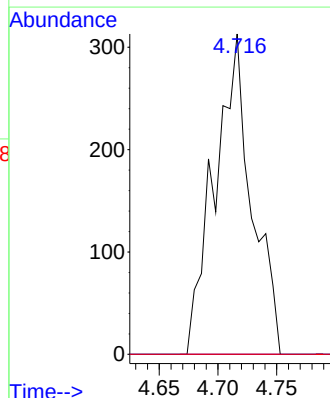
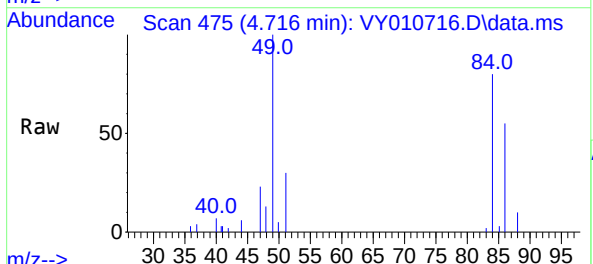
Tgt Ion: 41 Resp: 690

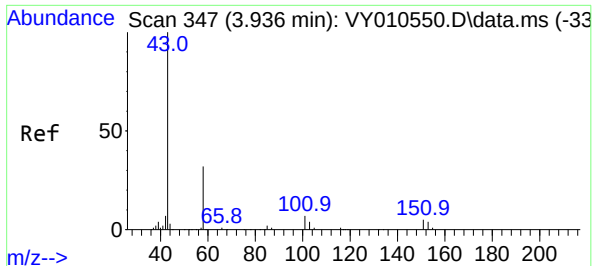
Ion Ratio Lower Upper

41 100

39 0.0 58.8 88.2#

76 0.0 25.1 37.7#

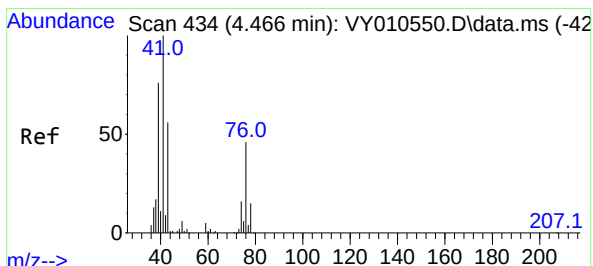
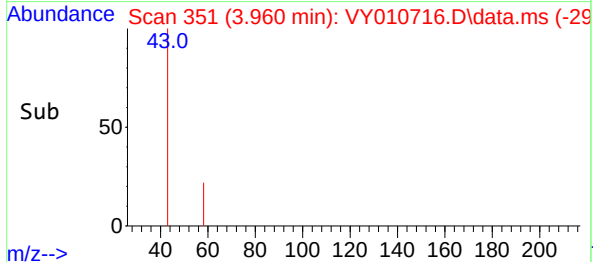
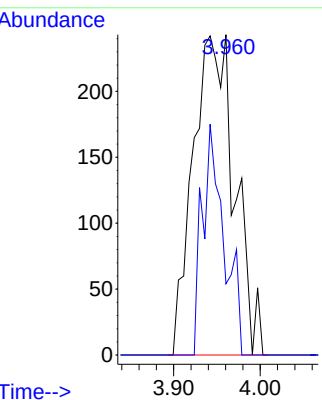
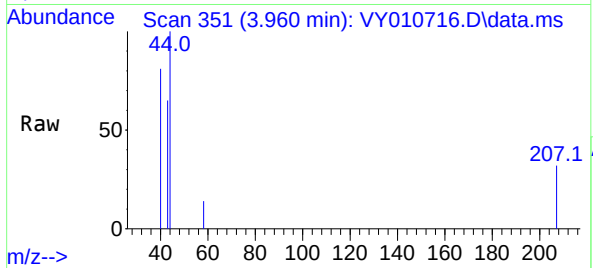




#16
Acetone
Concen: 6.722 ug/l
RT: 3.960 min Scan# 31
Delta R.T. 0.024 min
Lab File: VY010716.D
Acq: 28 Sep 2022 15:06

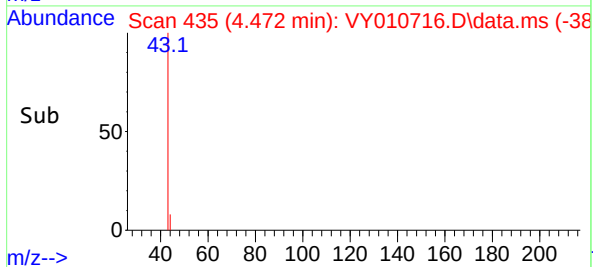
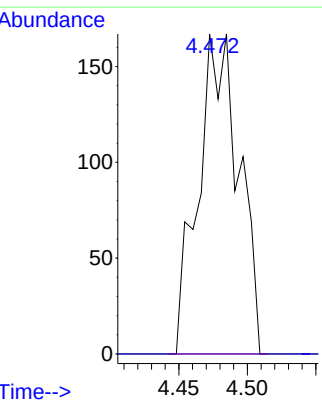
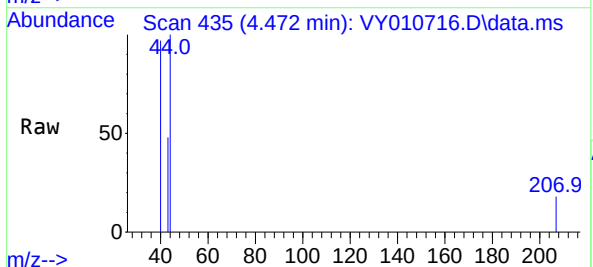
Instrument :
MSVOA_Y
ClientSampleId :
OE-02-092822

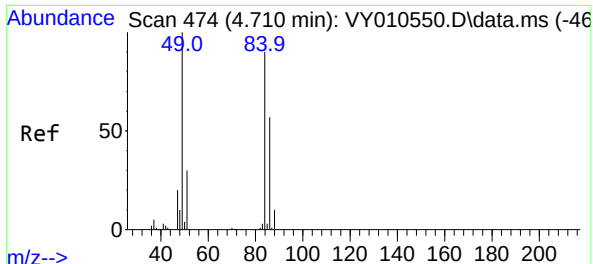
Tgt Ion: 43 Resp: 809
Ion Ratio Lower Upper
43 100
58 22.2 22.0 33.0



#18
Methyl Acetate
Concen: Below Cal
RT: 4.472 min Scan# 435
Delta R.T. 0.006 min
Lab File: VY010716.D
Acq: 28 Sep 2022 15:06

Tgt Ion: 43 Resp: 345
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#

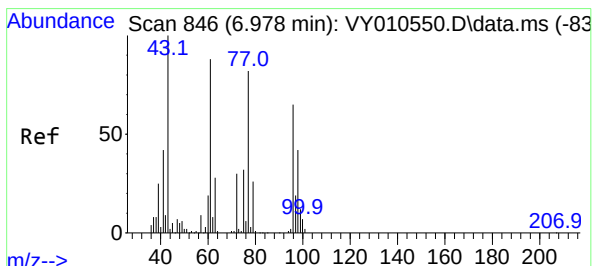
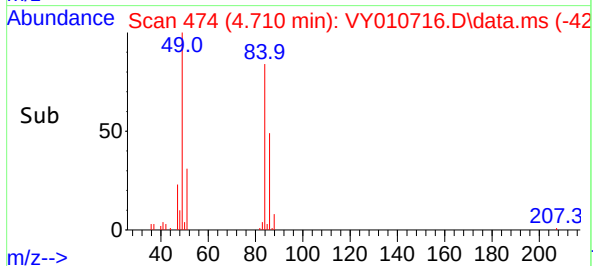
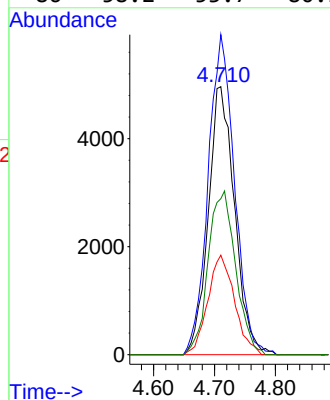
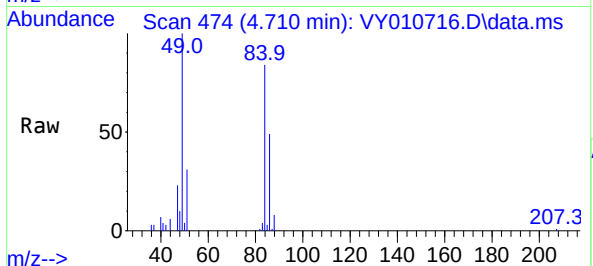




#20
Methylene Chloride
Concen: 14.987 ug/l
RT: 4.710 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY010716.D
Acq: 28 Sep 2022 15:06

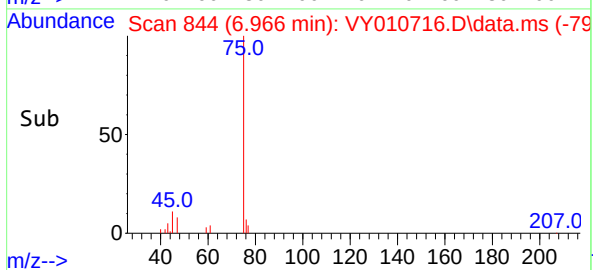
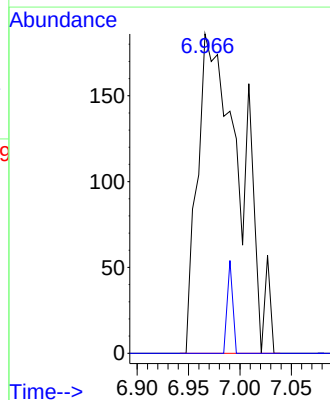
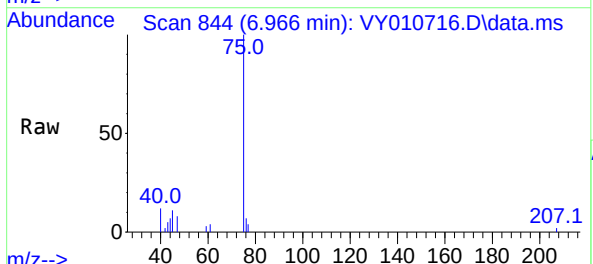
Instrument :
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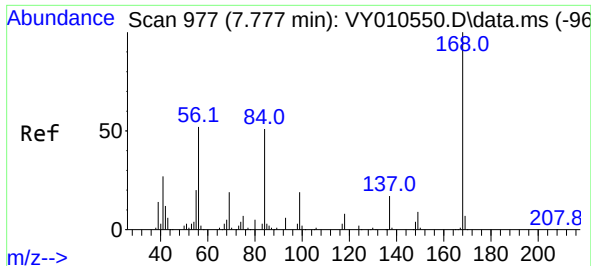
Tgt Ion:	84	Resp:	14924
Ion	Ratio	Lower	Upper
84	100		
49	119.4	114.4	171.6
51	37.1	35.3	52.9
86	58.2	53.7	80.5



#25
2-Butanone
Concen: 2.863 ug/l
RT: 6.966 min Scan# 844
Delta R.T. -0.012 min
Lab File: VY010716.D
Acq: 28 Sep 2022 15:06

Tgt Ion:	43	Resp:	539
Ion	Ratio	Lower	Upper
43	100		
72	0.0	17.7	26.5#

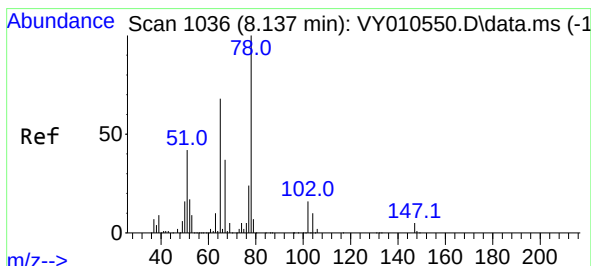
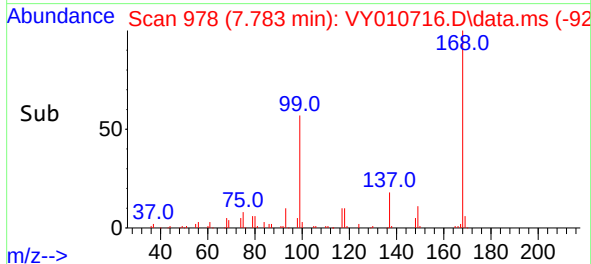
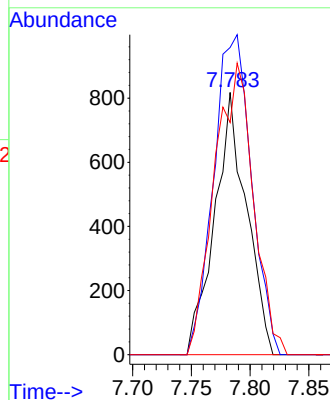
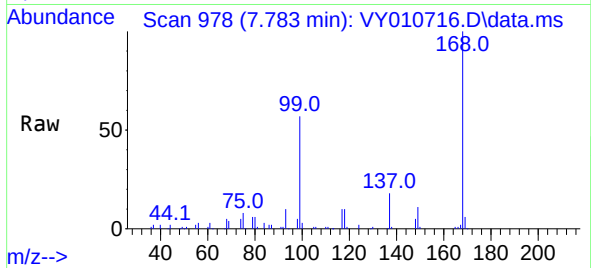




#31
Cyclohexane
Concen: Below Cal
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010716.D
Acq: 28 Sep 2022 15:06

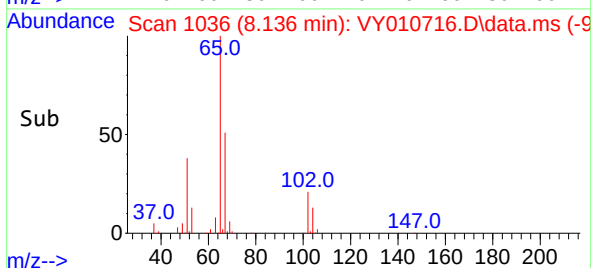
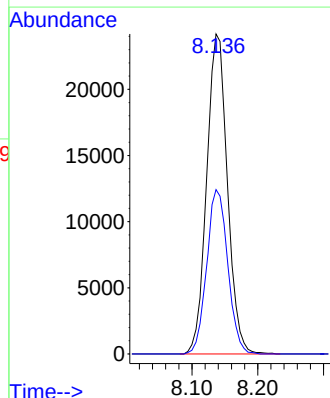
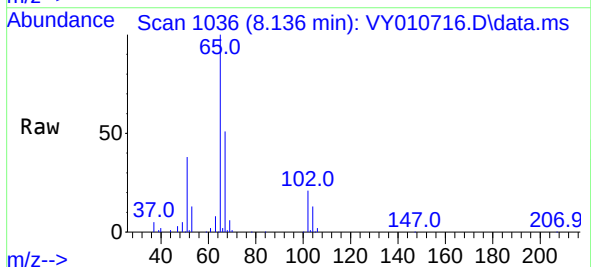
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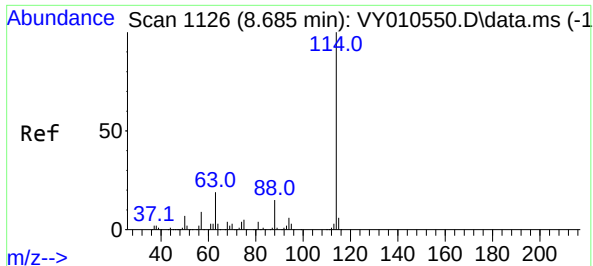
Tgt Ion: 56 Resp: 1546
Ion Ratio Lower Upper
56 100
69 117.1 26.7 40.1#
84 88.5 67.2 100.8



#33
1,2-Dichloroethane-d4
Concen: 89.815 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.001 min
Lab File: VY010716.D
Acq: 28 Sep 2022 15:06

Tgt Ion: 65 Resp: 53005
Ion Ratio Lower Upper
65 100
67 52.1 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY010716.D

Acq: 28 Sep 2022 15:06

Instrument :

MSVOA_Y

ClientSampleId :

OE-02-092822

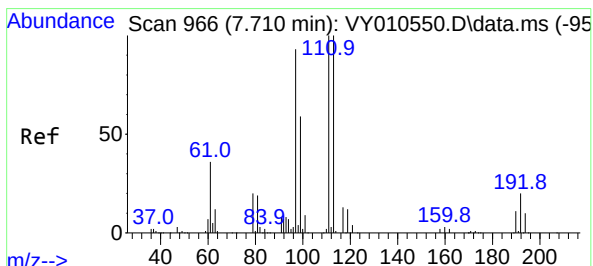
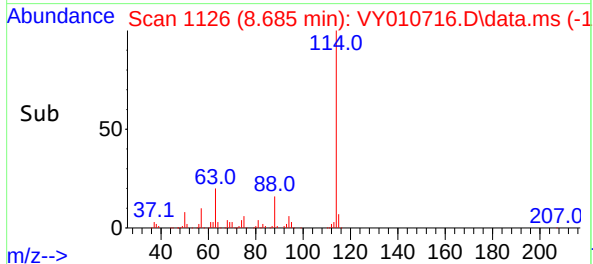
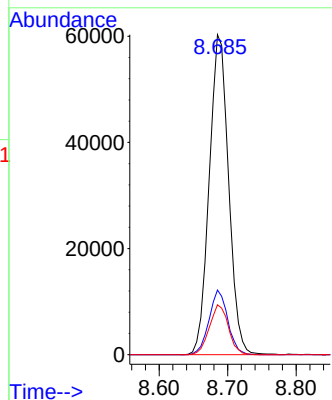
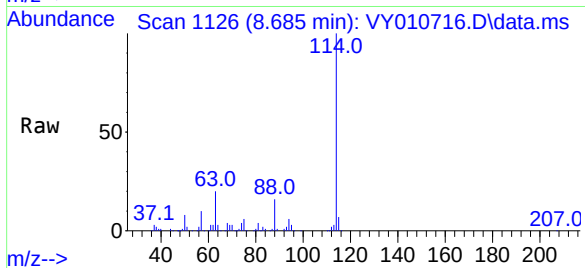
Tgt Ion:114 Resp: 118297

Ion Ratio Lower Upper

114 100

63 20.2 0.0 43.2

88 15.6 0.0 31.8



#35

Dibromofluoromethane

Concen: 63.752 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.006 min

Lab File: VY010716.D

Acq: 28 Sep 2022 15:06

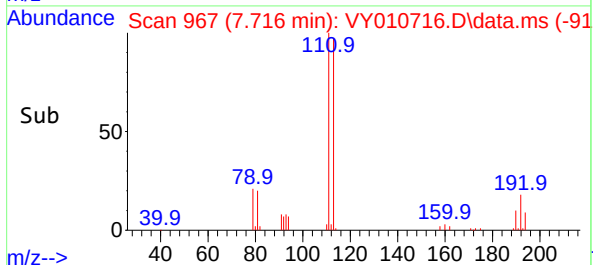
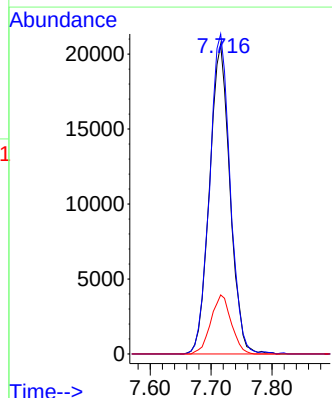
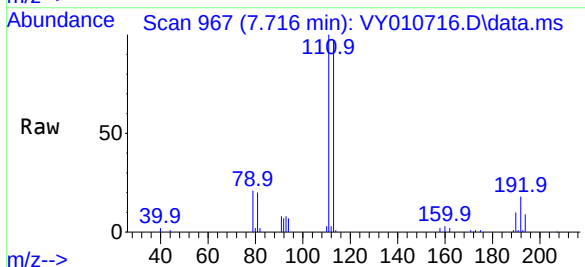
Tgt Ion:113 Resp: 48131

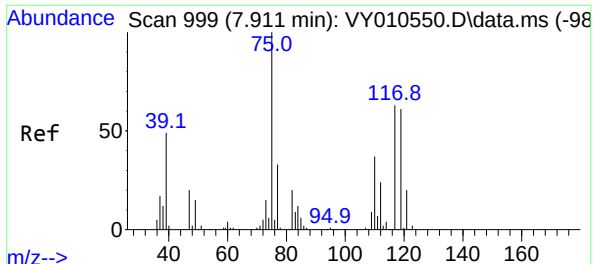
Ion Ratio Lower Upper

113 100

111 103.8 82.6 124.0

192 19.0 17.6 26.4

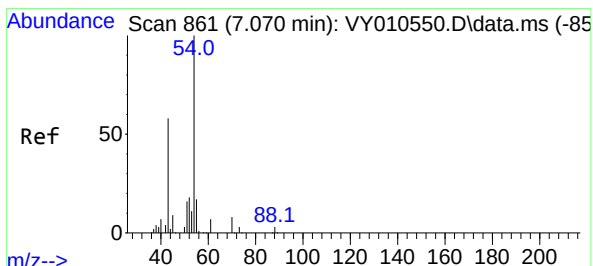
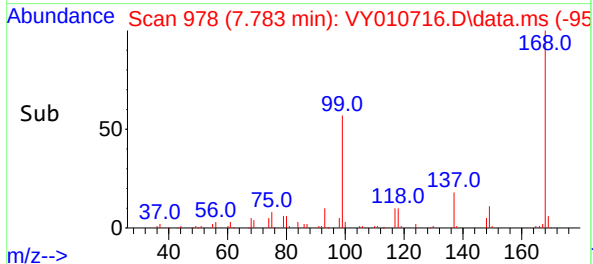
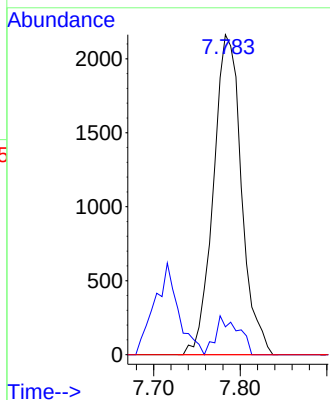
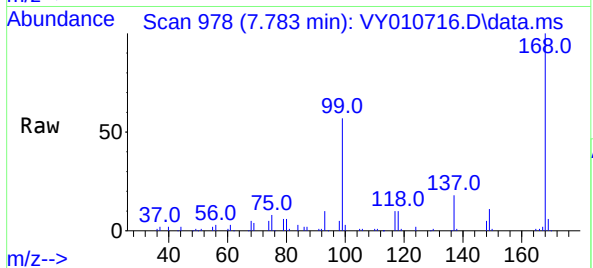




#36
1,1-Dichloropropene
Concen: 5.783 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY010716.D
Acq: 28 Sep 2022 15:06

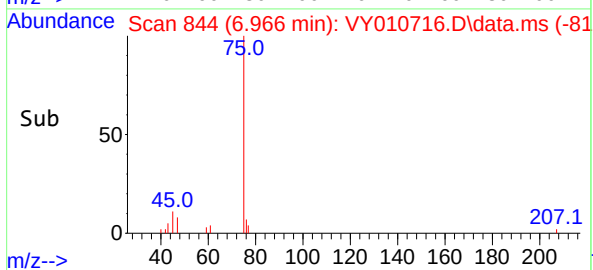
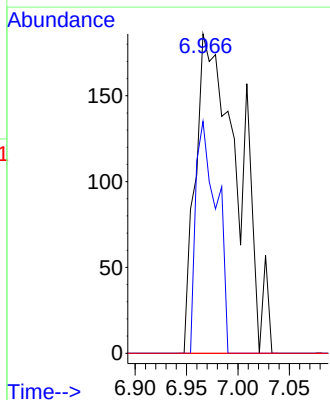
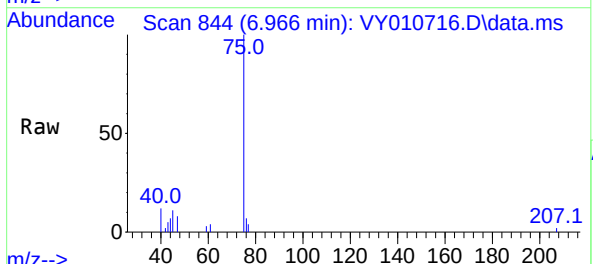
Instrument :
MSVOA_Y
ClientSampleId :
OE-02-092822

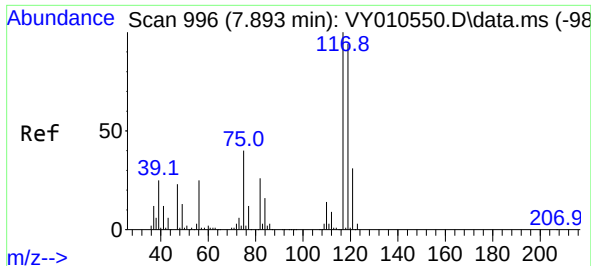
Tgt Ion: 75 Resp: 4865
Ion Ratio Lower Upper
75 100
110 9.7 17.1 51.2#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 1.109 ug/l
RT: 6.966 min Scan# 844
Delta R.T. -0.104 min
Lab File: VY010716.D
Acq: 28 Sep 2022 15:06

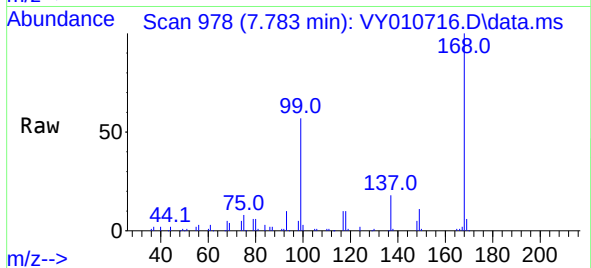
Tgt Ion: 43 Resp: 539
Ion Ratio Lower Upper
43 100
61 35.8 9.7 14.5#
70 0.0 7.1 10.7#



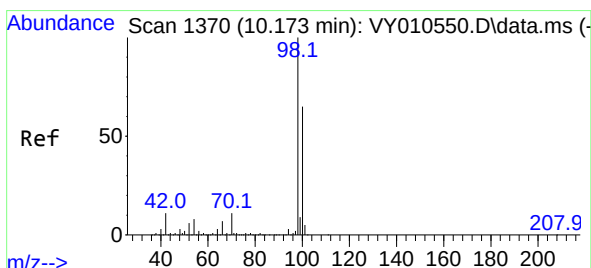
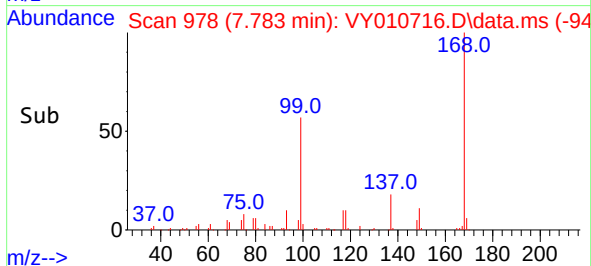
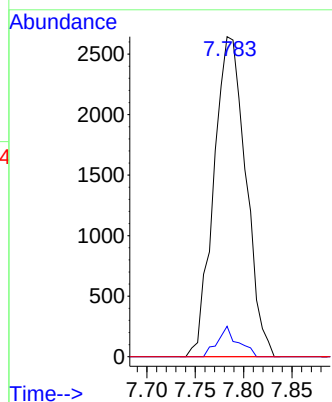


#38
Carbon Tetrachloride
Concen: 6.298 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY010716.D
Acq: 28 Sep 2022 15:06

Instrument :
MSVOA_Y
ClientSampleId :
OE-02-092822

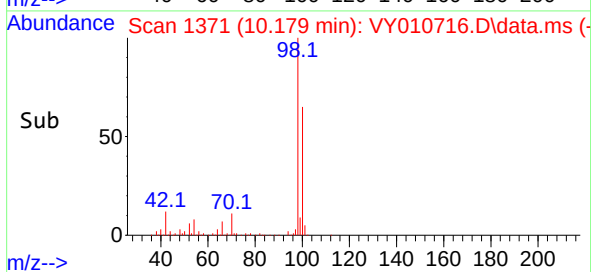
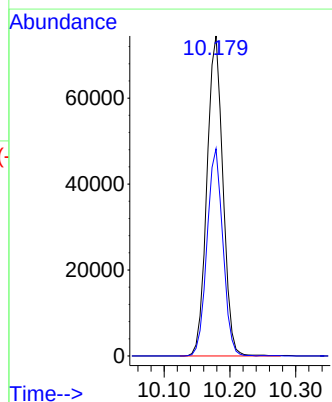
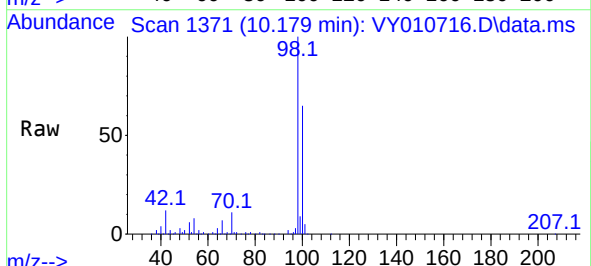


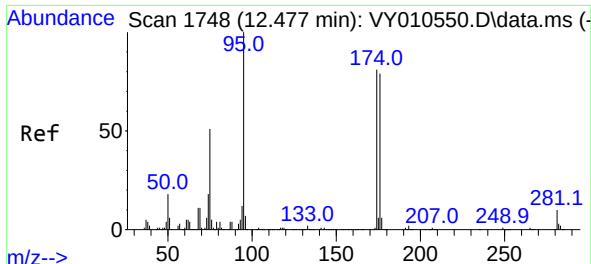
Tgt Ion:117 Resp: 6092
Ion Ratio Lower Upper
117 100
119 9.5 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 45.409 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.006 min
Lab File: VY010716.D
Acq: 28 Sep 2022 15:06

Tgt Ion: 98 Resp: 125846
Ion Ratio Lower Upper
98 100
100 64.2 50.2 75.2

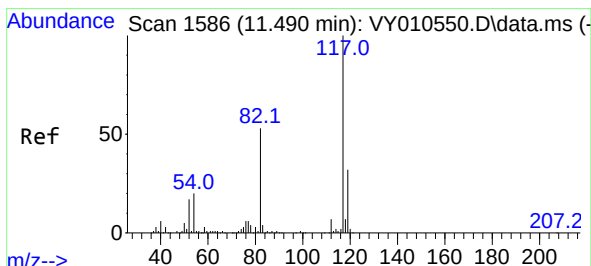
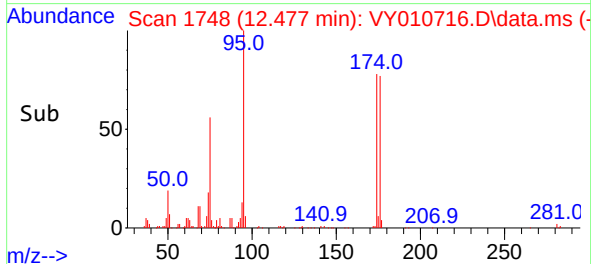
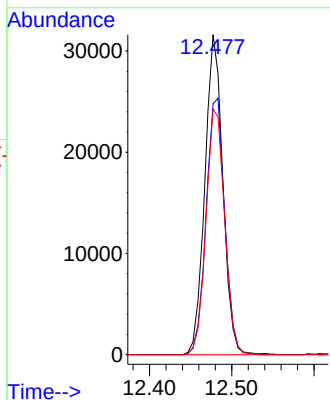
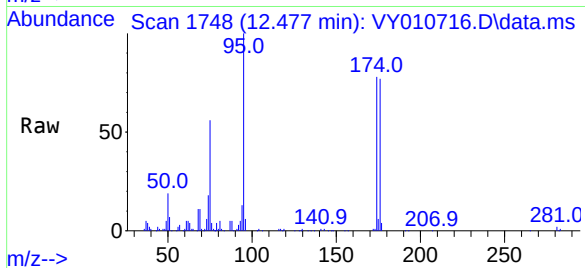




#62
4-Bromofluorobenzene
Concen: 46.103 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY010716.D
Acq: 28 Sep 2022 15:06

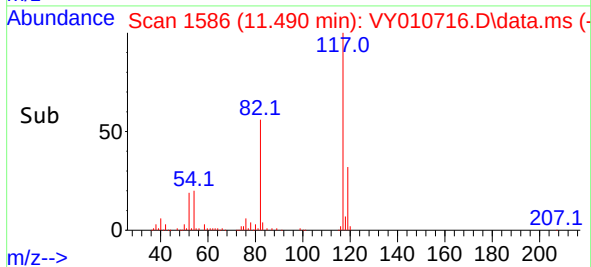
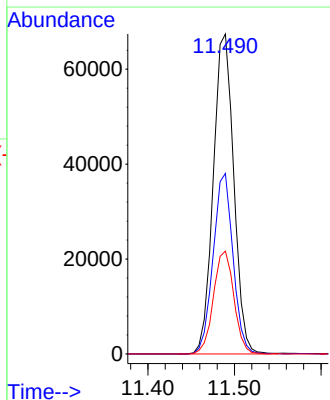
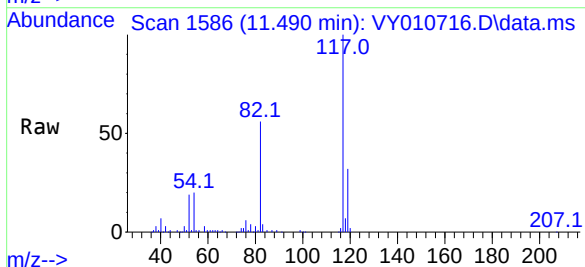
Instrument :
MSVOA_Y
ClientSampleId :
OE-02-092822

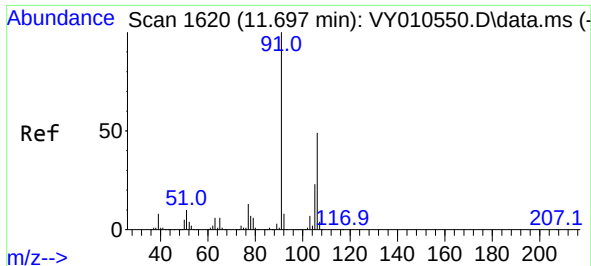
Tgt Ion: 95 Resp: 47959
Ion Ratio Lower Upper
95 100
174 83.1 0.0 177.0
176 79.6 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY010716.D
Acq: 28 Sep 2022 15:06

Tgt Ion: 117 Resp: 110933
Ion Ratio Lower Upper
117 100
82 56.4 43.0 64.4
119 32.1 25.4 38.0

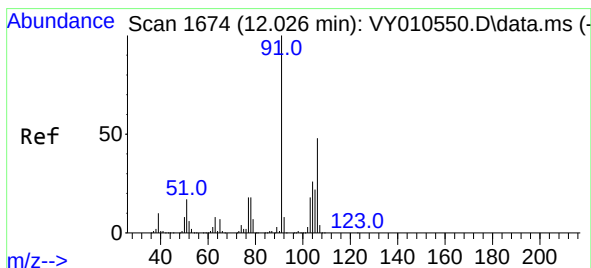
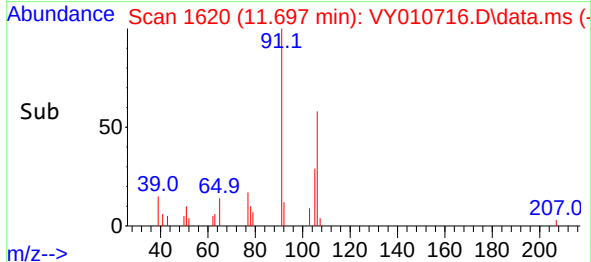
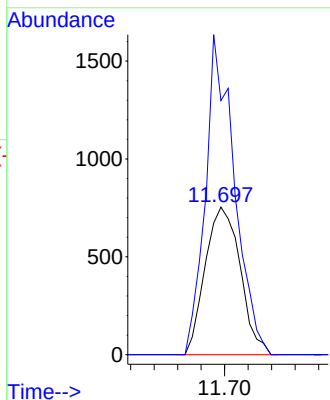
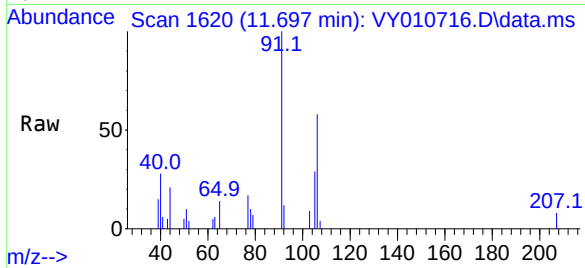




#68
m/p-Xylenes
Concen: 1.199 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. -0.000 min
Lab File: VY010716.D
Acq: 28 Sep 2022 15:06

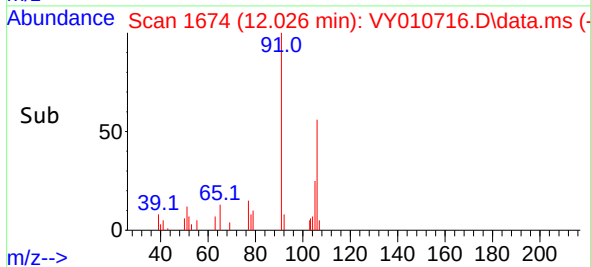
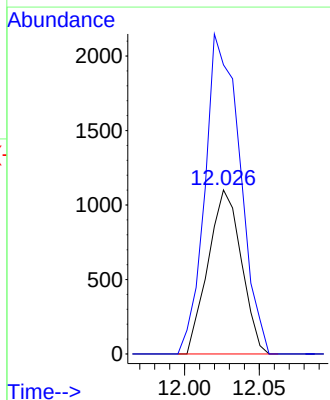
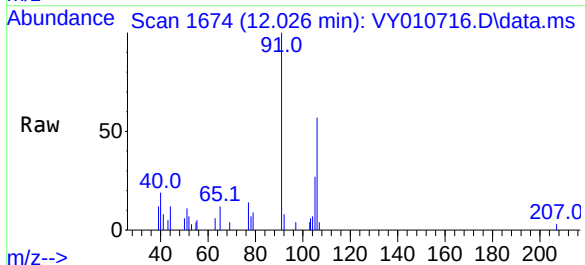
Instrument :
MSVOA_Y
ClientSampleId :
OE-02-092822

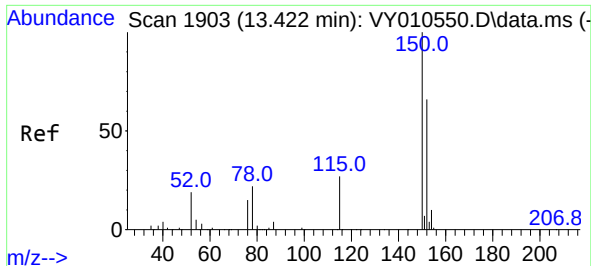
Tgt Ion:106 Resp: 1564
Ion Ratio Lower Upper
106 100
91 178.7 166.6 249.8



#69
o-Xylene
Concen: 1.335 ug/l
RT: 12.026 min Scan# 1674
Delta R.T. 0.000 min
Lab File: VY010716.D
Acq: 28 Sep 2022 15:06

Tgt Ion:106 Resp: 1698
Ion Ratio Lower Upper
106 100
91 205.4 110.3 331.0

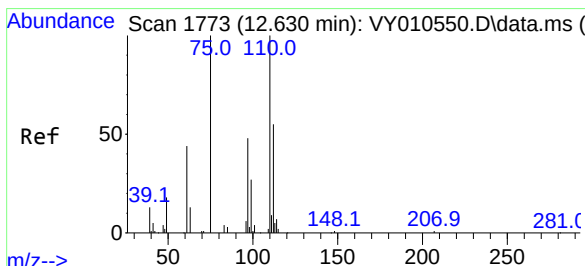
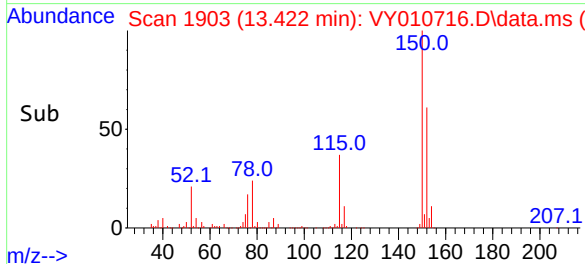
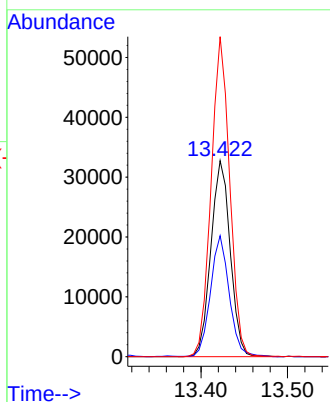
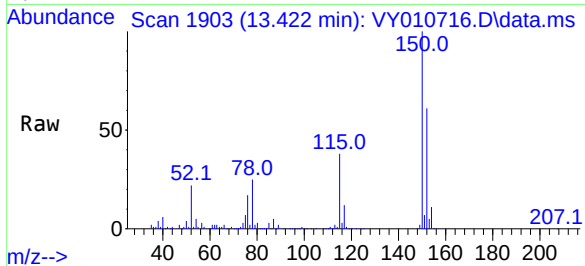




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. 0.000 min
 Lab File: VY010716.D
 Acq: 28 Sep 2022 15:06

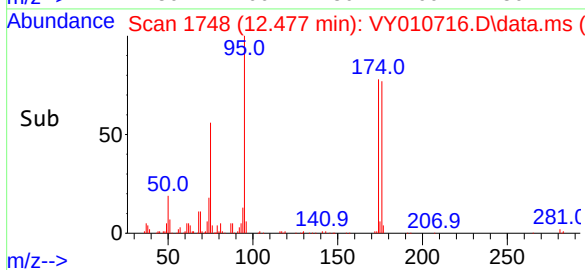
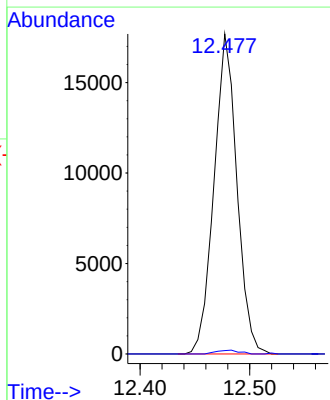
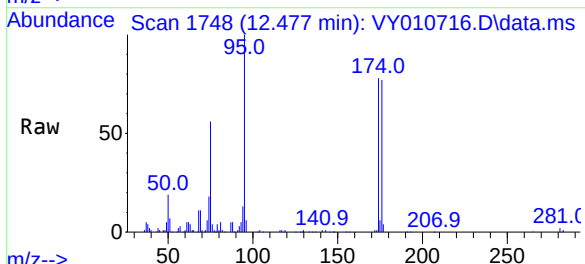
Instrument :
 MSVOA_Y
 ClientSampleId :
 OE-02-092822

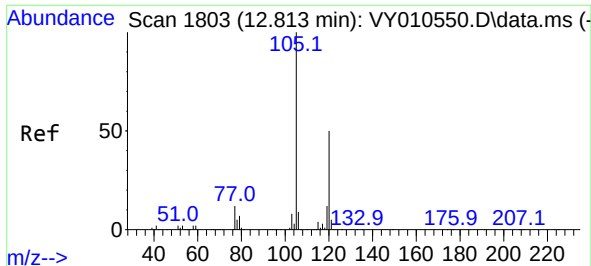
Tgt Ion:152 Resp: 50864
 Ion Ratio Lower Upper
 152 100
 115 60.0 28.2 84.7
 150 156.5 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 52.919 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.153 min
 Lab File: VY010716.D
 Acq: 28 Sep 2022 15:06

Tgt Ion: 75 Resp: 25690
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#

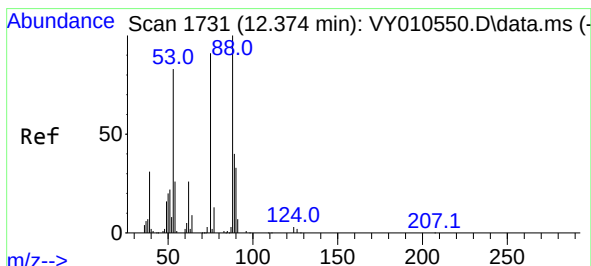
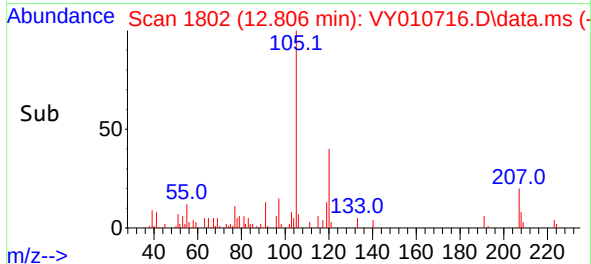
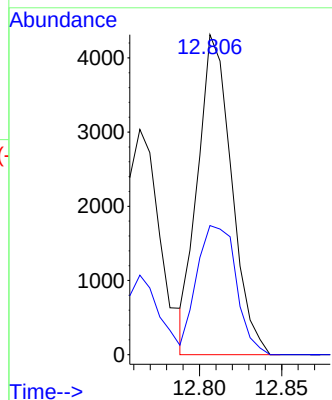
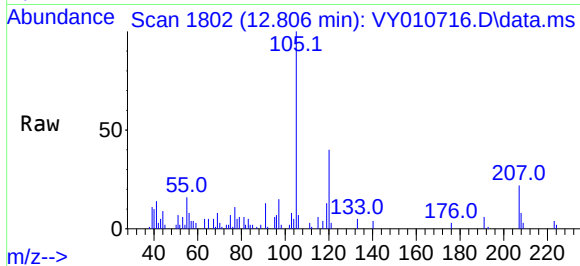




#80
1,3,5-Trimethylbenzene
Concen: 2.318 ug/l
RT: 12.806 min Scan# 11
Delta R.T. -0.007 min
Lab File: VY010716.D
Acq: 28 Sep 2022 15:06

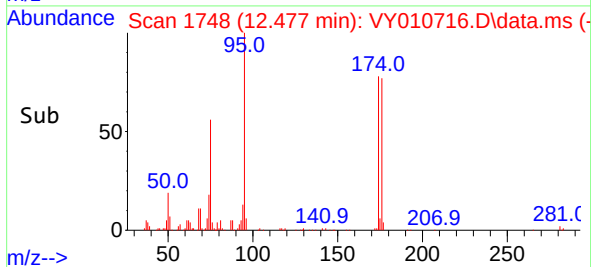
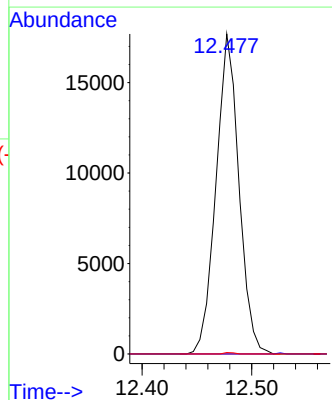
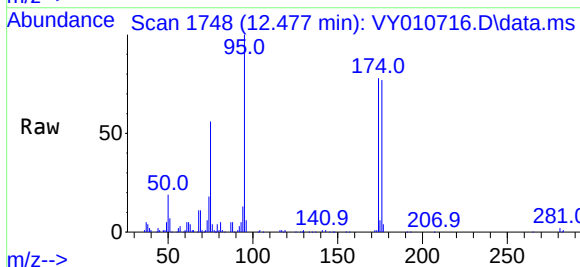
Instrument :
MSVOA_Y
ClientSampleId :
OE-02-092822

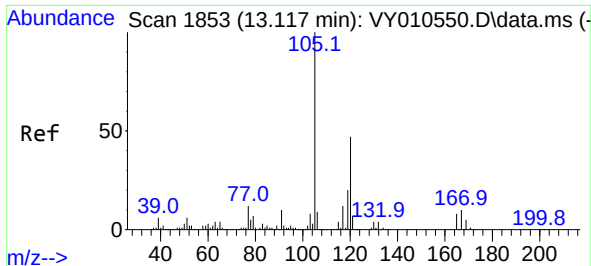
Tgt Ion:105 Resp: 6157
Ion Ratio Lower Upper
105 100
120 47.0 24.4 73.4



#81
trans-1,4-Dichloro-2-butene
Concen: 117.661 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.103 min
Lab File: VY010716.D
Acq: 28 Sep 2022 15:06

Tgt Ion: 75 Resp: 25690
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.2 37.0 55.4#

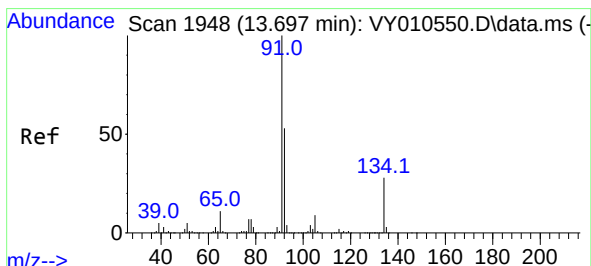
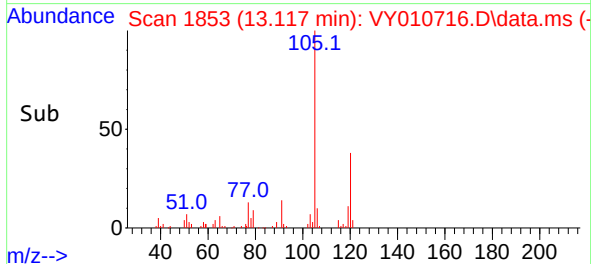
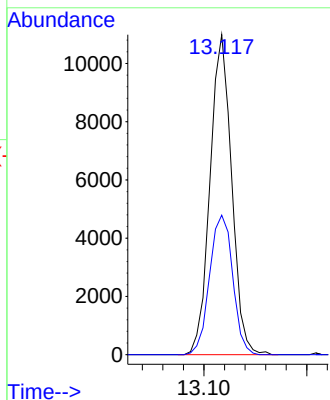
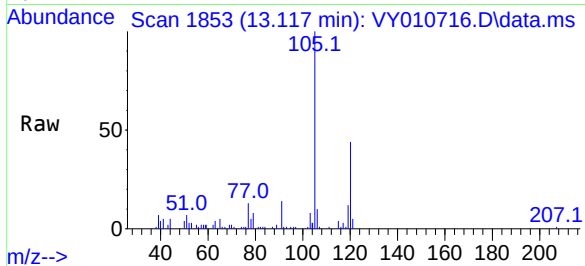




#84
1,2,4-Trimethylbenzene
Concen: 6.064 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VY010716.D
Acq: 28 Sep 2022 15:06

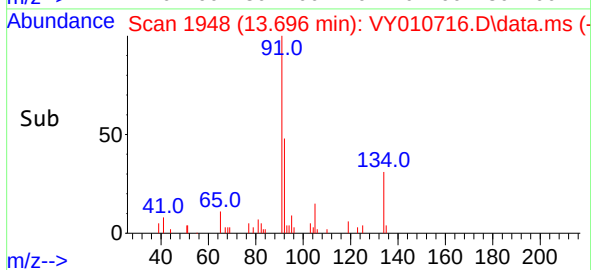
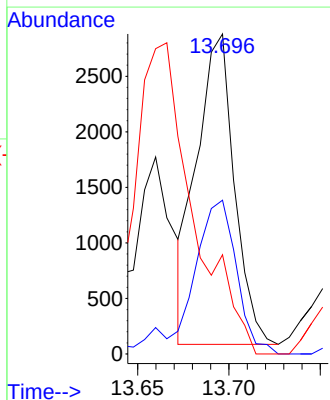
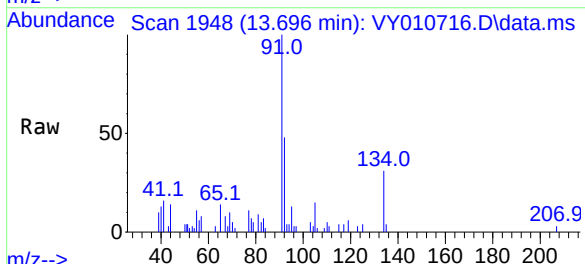
Instrument :
MSVOA_Y
ClientSampleId :
OE-02-092822

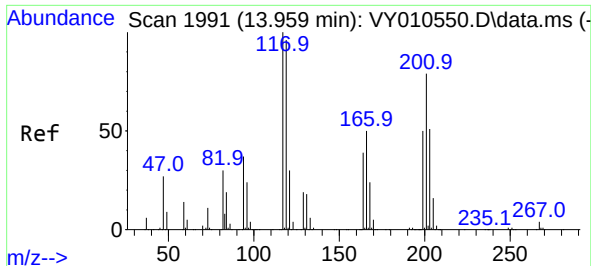
Tgt Ion:105 Resp: 16001
Ion Ratio Lower Upper
105 100
120 46.7 22.3 66.9



#89
n-Butylbenzene
Concen: 1.501 ug/l
RT: 13.696 min Scan# 1948
Delta R.T. -0.001 min
Lab File: VY010716.D
Acq: 28 Sep 2022 15:06

Tgt Ion: 91 Resp: 4007
Ion Ratio Lower Upper
91 100
92 58.0 26.3 78.9
134 0.0 13.0 38.9#

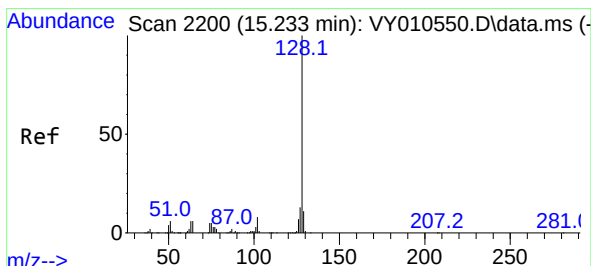
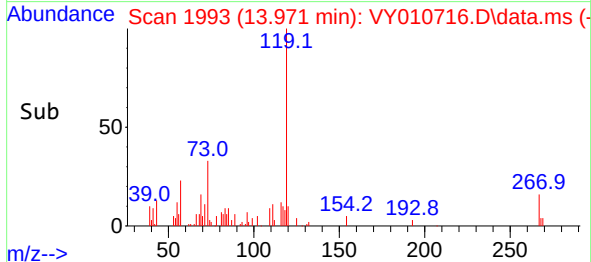
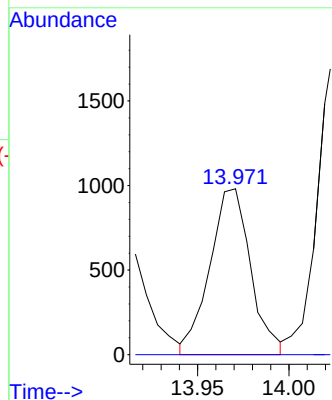
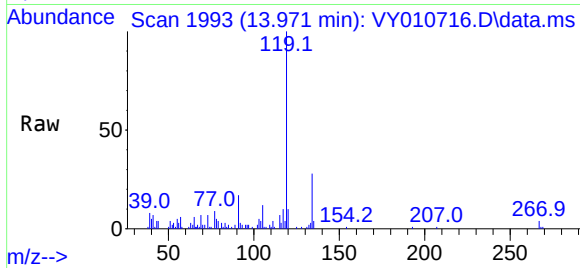




#90
Hexachloroethane
Concen: 2.728 ug/l
RT: 13.971 min Scan# 1993
Delta R.T. 0.012 min
Lab File: VY010716.D
Acq: 28 Sep 2022 15:06

Instrument :
MSVOA_Y
ClientSampleId :
OE-02-092822

Tgt Ion:117 Resp: 1523
Ion Ratio Lower Upper
117 100
201 0.0 43.0 128.8#



#95
Naphthalene
Concen: 3.074 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.000 min
Lab File: VY010716.D
Acq: 28 Sep 2022 15:06

Tgt Ion:128 Resp: 5110
Ion Ratio Lower Upper
128 100
127 15.1 11.0 16.4
129 11.6 8.4 12.6

