

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092922\
 Data File : VY010732.D
 Acq On : 29 Sep 2022 15:37
 Operator : KP/MD
 Sample : N4855-01
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OE-02-092822

Quant Time: Sep 30 08:21:35 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

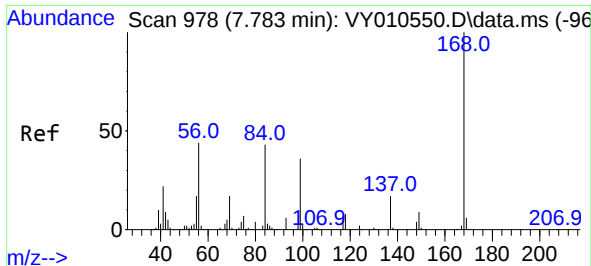
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.789	168	155090	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	265242	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	222431	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	91690	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	92973	62.676	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 125.360%	
35) Dibromofluoromethane	7.716	113	93062	54.976	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.960%	
50) Toluene-d8	10.179	98	259908	42.073	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 84.140%	
62) 4-Bromofluorobenzene	12.477	95	93693	39.802	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 79.600%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.900	85	486	Below Cal		94
3) Chloromethane	2.113	50	533	Below Cal		96
4) Vinyl Chloride	2.314	62	100	Below Cal	#	43
5) Bromomethane	2.656	94	650	Below Cal		100
11) Tert butyl alcohol	4.911	59	1274	Below Cal	#	77
16) Acetone	3.948	43	1596	5.276 ug/l	#	69
17) Carbon Disulfide	4.186	76	310	Below Cal	#	75
18) Methyl Acetate	4.466	43	48	Below Cal	#	56
25) 2-Butanone	6.966	43	1617	3.417 ug/l	#	54
31) Cyclohexane	7.783	56	3230	Below Cal	#	4
36) 1,1-Dichloropropene	7.783	75	11922	6.321 ug/l	#	51
37) Ethyl Acetate	6.966	43	1617	1.484 ug/l	#	20
38) Carbon Tetrachloride	7.783	117	15777	7.275 ug/l	#	16
73) Isopropylbenzene	12.325	105	9681	1.708 ug/l		96
74) N-amyl acetate	12.117	43	4681	3.406 ug/l	#	83
76) 1,2,3-Trichloropropane	12.477	75	48745	55.701 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.477	75	48745	123.847 ug/l	#	8

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

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Response via : Initial Calibration

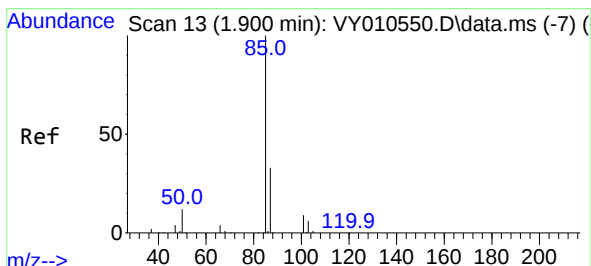
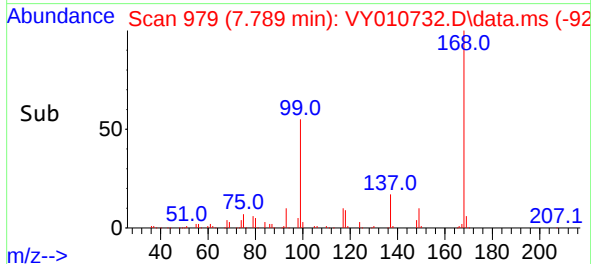
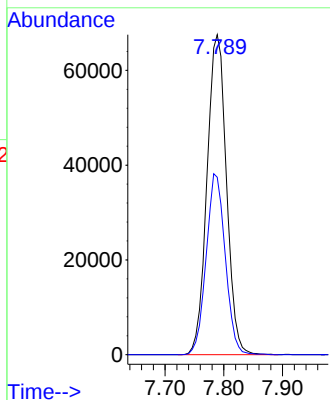
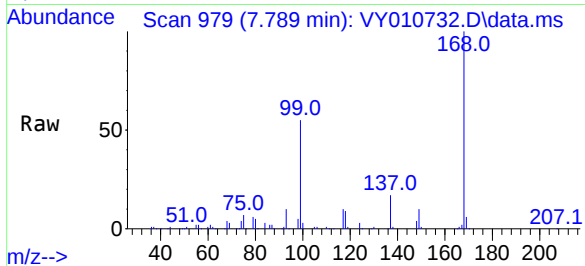




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010732.D
Acq: 29 Sep 2022 15:37

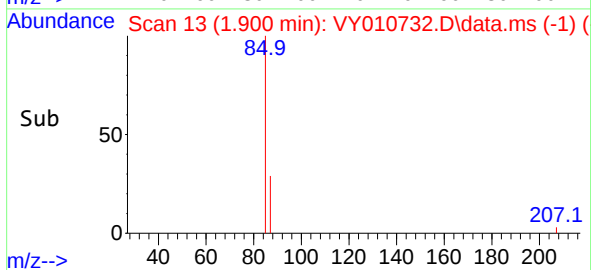
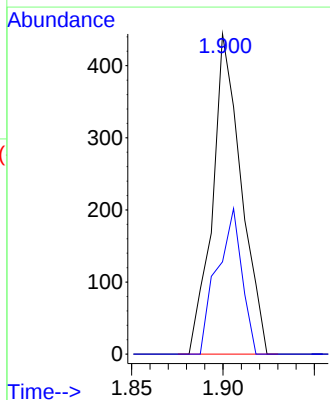
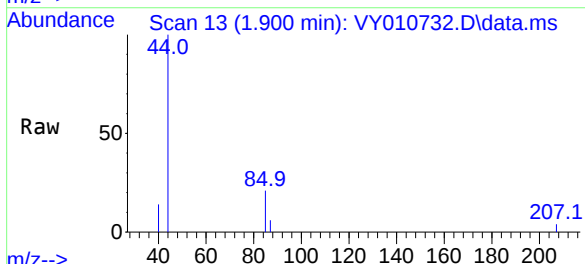
Instrument :
MSVOA_Y
ClientSampleId :
OE-02-092822

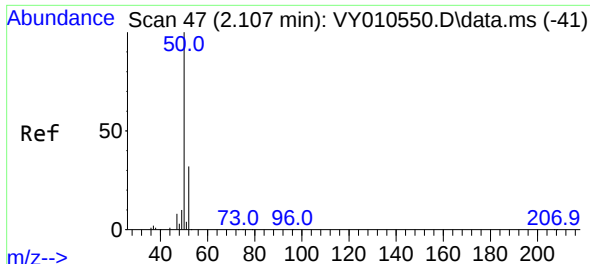
Tgt Ion:168 Resp: 155090
Ion Ratio Lower Upper
168 100
99 55.5 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY010732.D
Acq: 29 Sep 2022 15:37

Tgt Ion: 85 Resp: 486
Ion Ratio Lower Upper
85 100
87 28.8 16.1 48.2

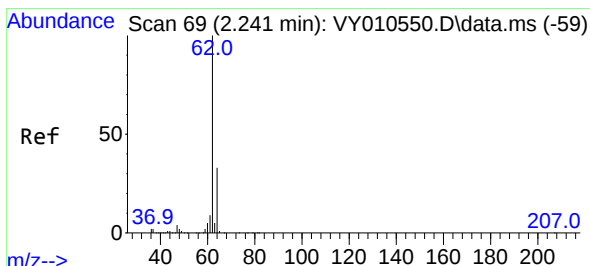
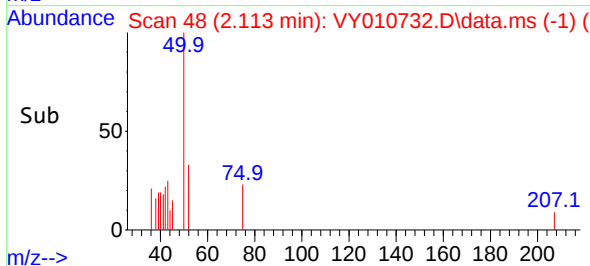
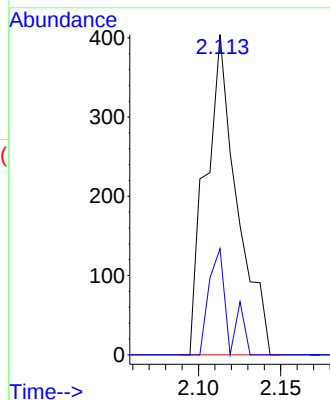
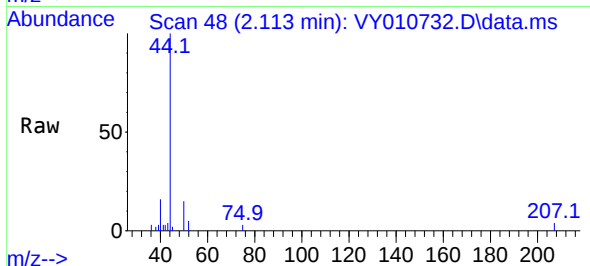




#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY010732.D
Acq: 29 Sep 2022 15:37

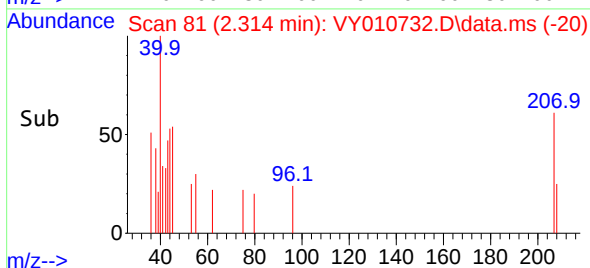
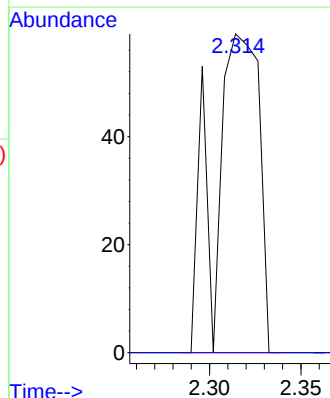
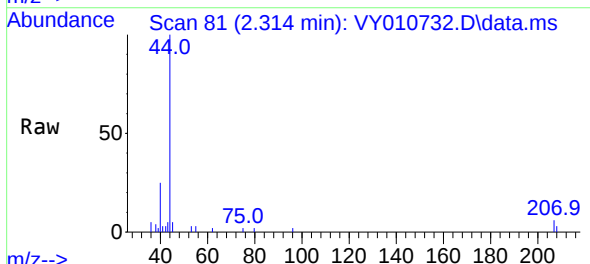
Instrument :
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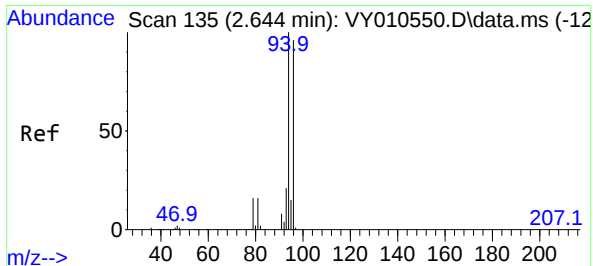
Tgt Ion: 50 Resp: 533
Ion Ratio Lower Upper
50 100
52 33.2 24.6 37.0



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.314 min Scan# 81
Delta R.T. 0.073 min
Lab File: VY010732.D
Acq: 29 Sep 2022 15:37

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

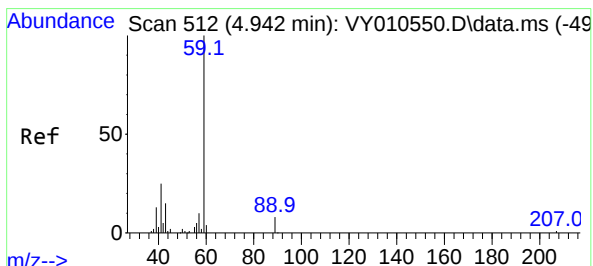
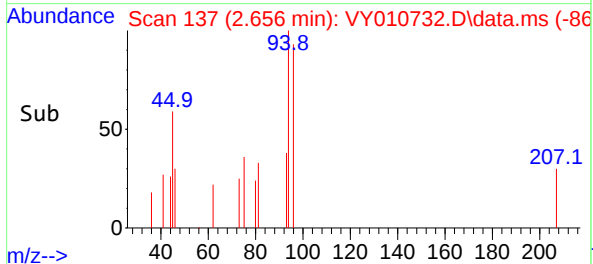
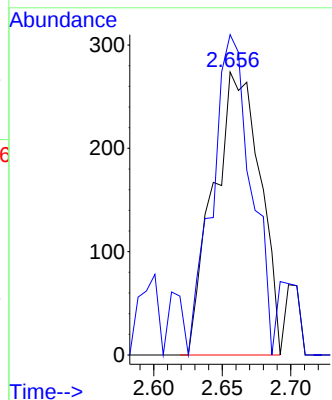
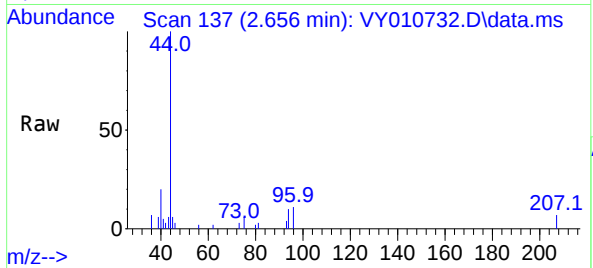




#5
Bromomethane
Concen: Below Cal
RT: 2.656 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY010732.D
Acq: 29 Sep 2022 15:37

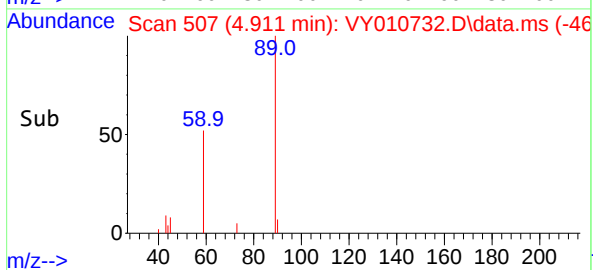
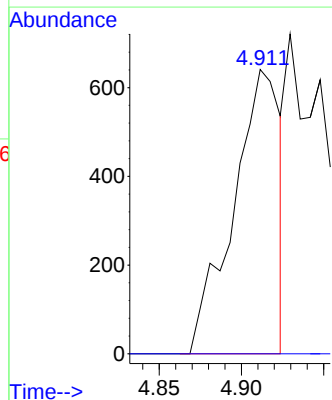
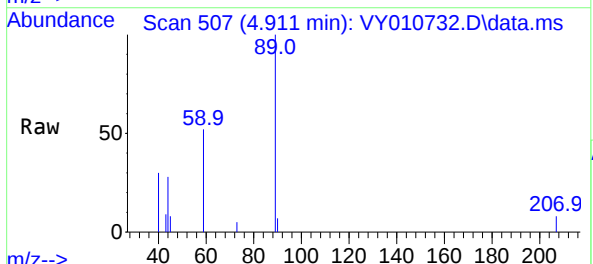
Instrument :
MSVOA_Y
ClientSampleId :
OE-02-092822

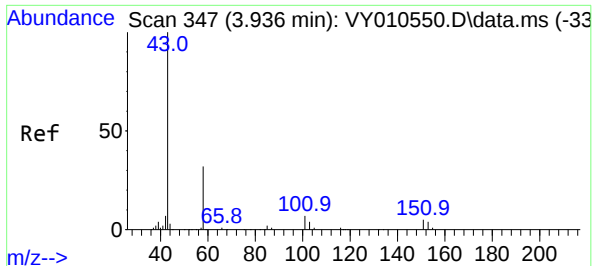
Tgt Ion: 94 Resp: 650
Ion Ratio Lower Upper
94 100
96 92.3 73.5 110.3



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.911 min Scan# 507
Delta R.T. -0.031 min
Lab File: VY010732.D
Acq: 29 Sep 2022 15:37

Tgt Ion: 59 Resp: 1274
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#





#16

Acetone

Concen: 5.276 ug/l

RT: 3.948 min Scan# 347

Delta R.T. 0.012 min

Lab File: VY010732.D

Acq: 29 Sep 2022 15:37

Instrument :

MSVOA_Y

ClientSampleId :

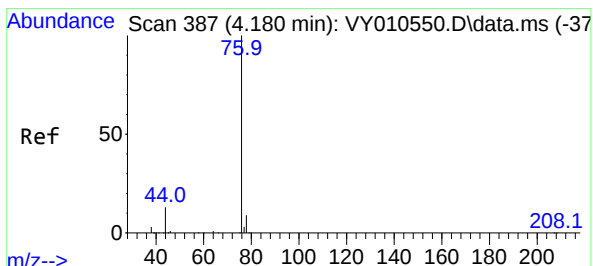
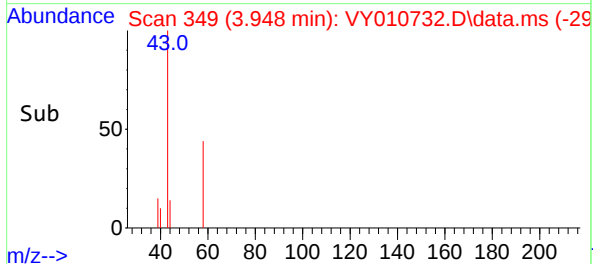
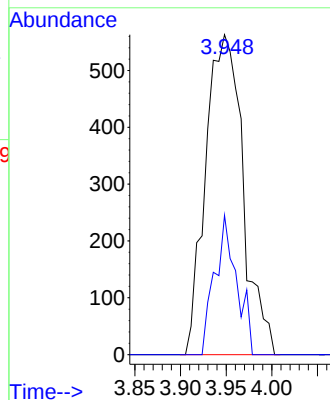
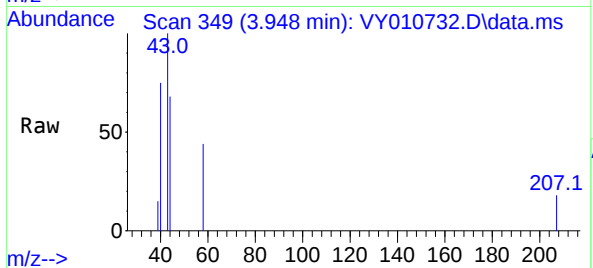
OE-02-092822

Tgt Ion: 43 Resp: 1596

Ion Ratio Lower Upper

43 100

58 43.5 22.0 33.0#



#17

Carbon Disulfide

Concen: Below Cal

RT: 4.186 min Scan# 388

Delta R.T. 0.006 min

Lab File: VY010732.D

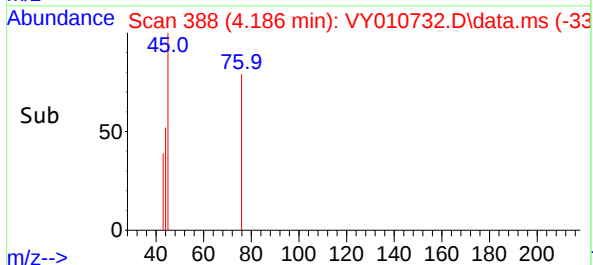
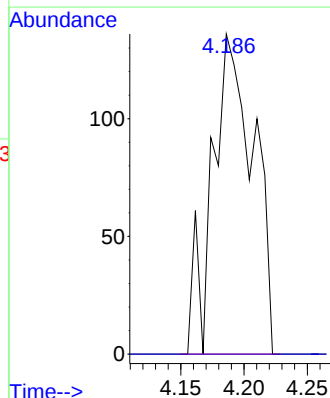
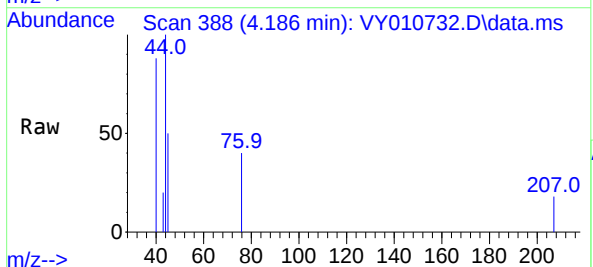
Acq: 29 Sep 2022 15:37

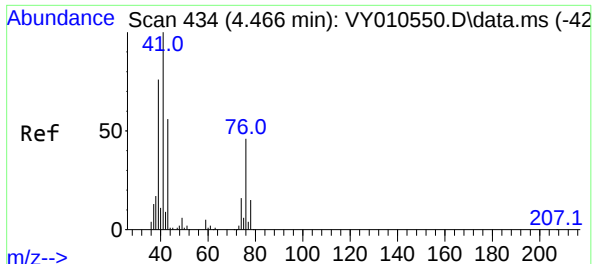
Tgt Ion: 76 Resp: 310

Ion Ratio Lower Upper

76 100

78 0.0 7.4 11.0#

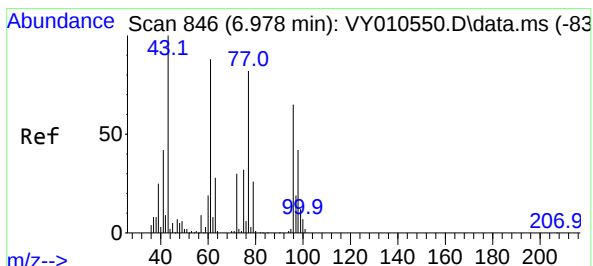
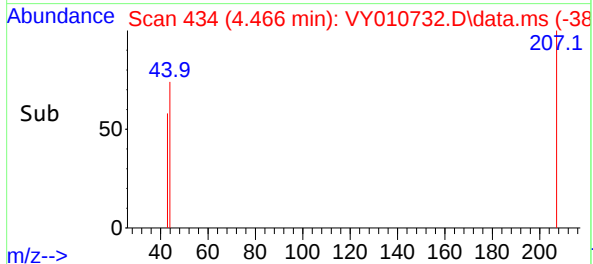
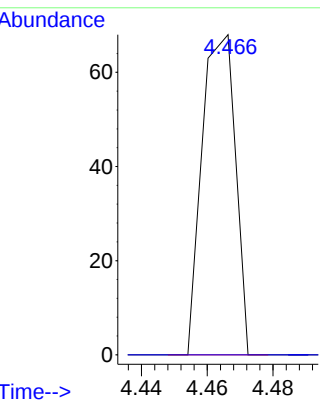
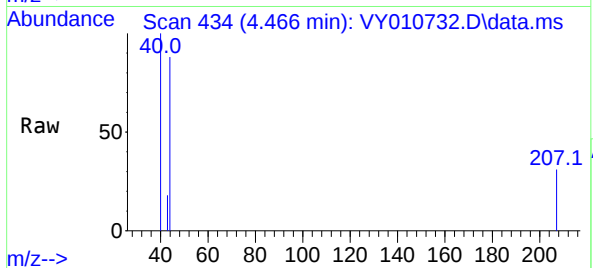




#18
Methyl Acetate
Concen: Below Cal
RT: 4.466 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY010732.D
Acq: 29 Sep 2022 15:37

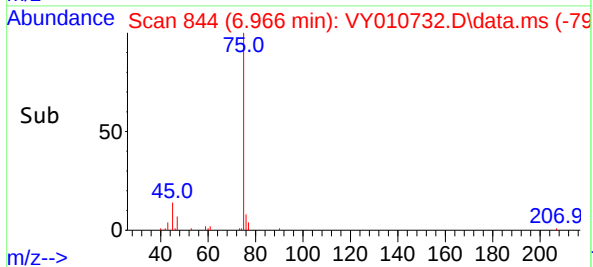
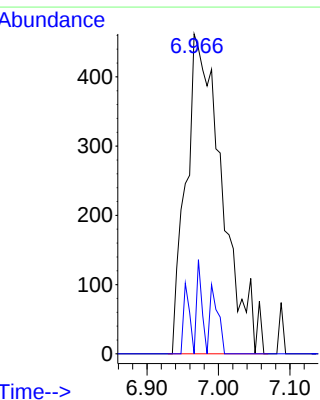
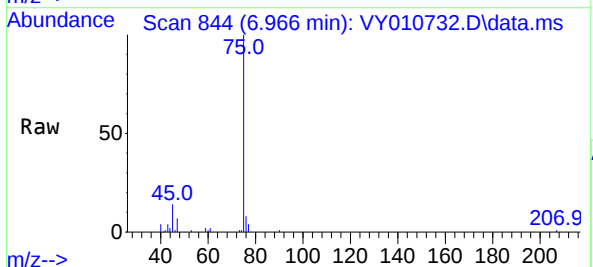
Instrument :
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ClientSampleId :
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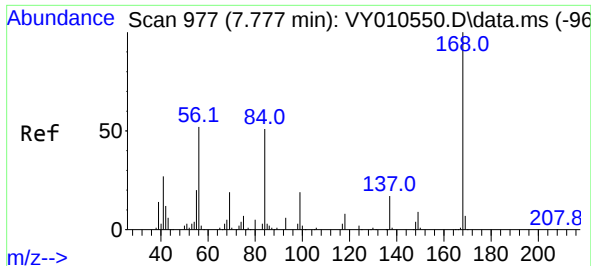
Tgt Ion: 43 Resp: 48
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#25
2-Butanone
Concen: 3.417 ug/l
RT: 6.966 min Scan# 844
Delta R.T. -0.012 min
Lab File: VY010732.D
Acq: 29 Sep 2022 15:37

Tgt Ion: 43 Resp: 1617
Ion Ratio Lower Upper
43 100
72 0.0 17.7 26.5#

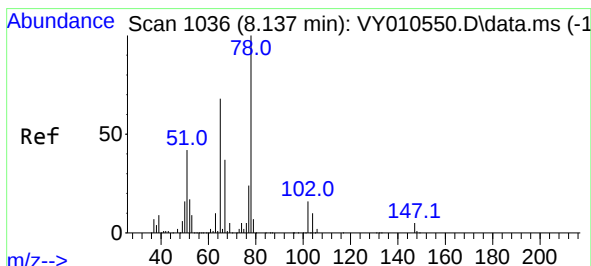
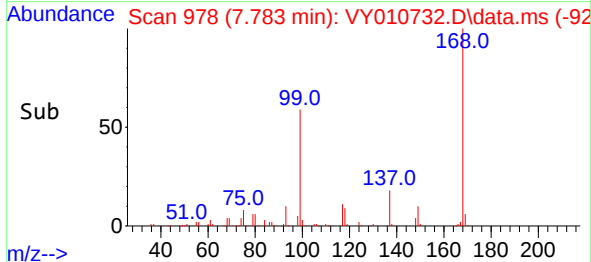
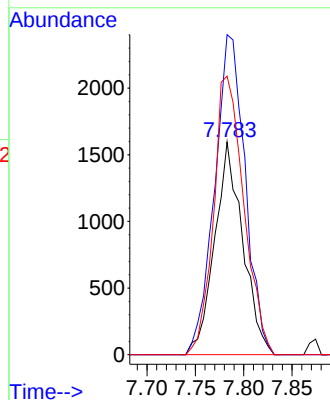
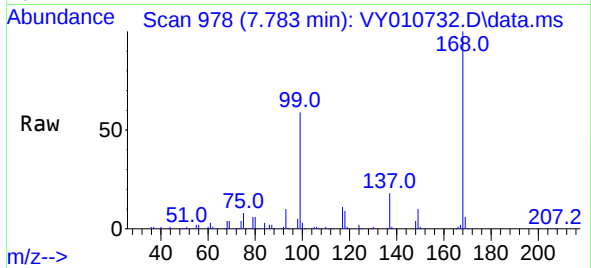




#31
Cyclohexane
Concen: Below Cal
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010732.D
Acq: 29 Sep 2022 15:37

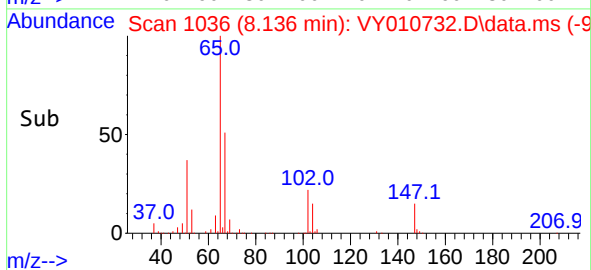
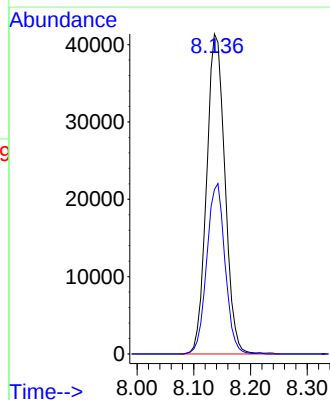
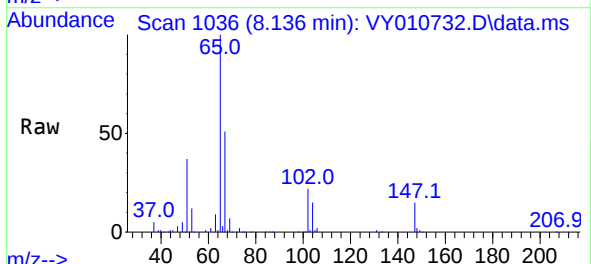
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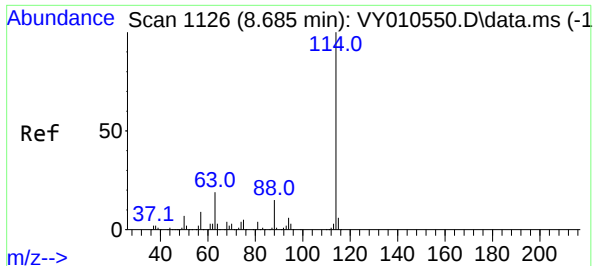
Tgt Ion: 56 Resp: 3230
Ion Ratio Lower Upper
56 100
69 150.5 26.7 40.1#
84 131.0 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 62.676 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.001 min
Lab File: VY010732.D
Acq: 29 Sep 2022 15:37

Tgt Ion: 65 Resp: 92973
Ion Ratio Lower Upper
65 100
67 52.9 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: VY010732.D

Acq: 29 Sep 2022 15:37

Instrument :

MSVOA_Y

ClientSampleId :

OE-02-092822

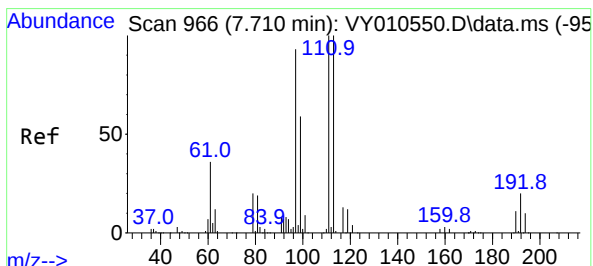
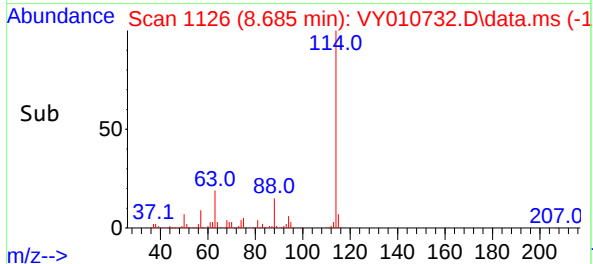
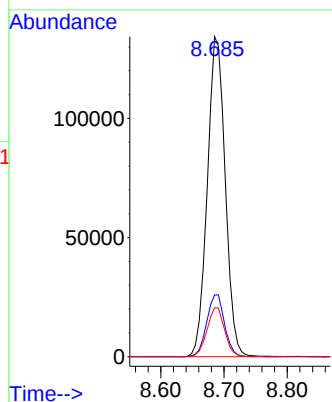
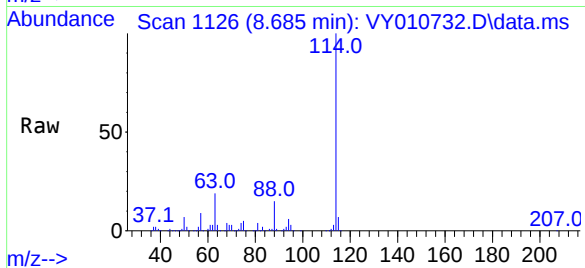
Tgt Ion:114 Resp: 265242

Ion Ratio Lower Upper

114 100

63 19.3 0.0 43.2

88 15.3 0.0 31.8



#35

Dibromofluoromethane

Concen: 54.976 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.006 min

Lab File: VY010732.D

Acq: 29 Sep 2022 15:37

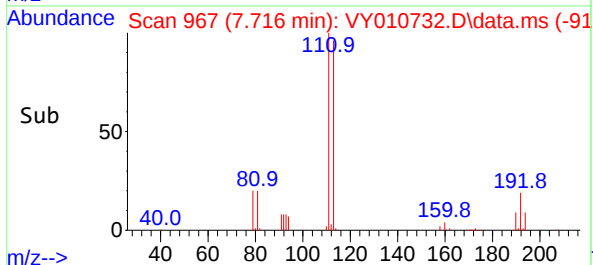
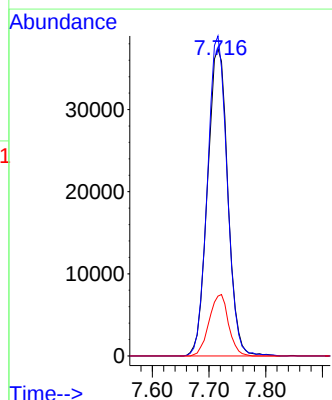
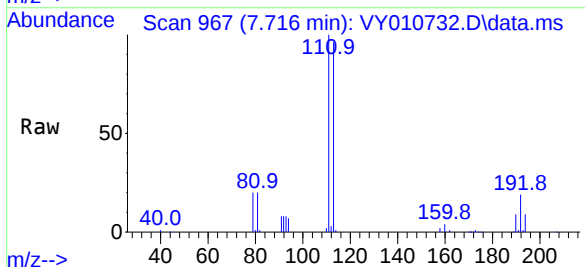
Tgt Ion:113 Resp: 93062

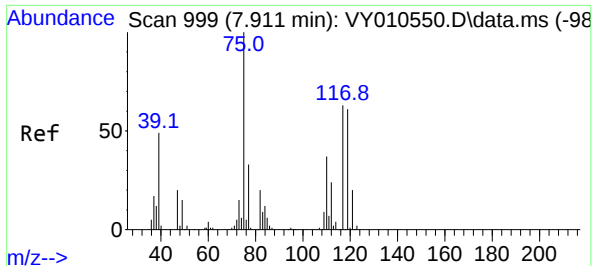
Ion Ratio Lower Upper

113 100

111 101.2 82.6 124.0

192 19.1 17.6 26.4





#36

1,1-Dichloropropene

Concen: 6.321 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY010732.D

Acq: 29 Sep 2022 15:37

Instrument :

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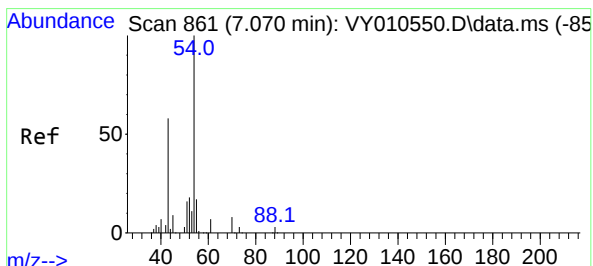
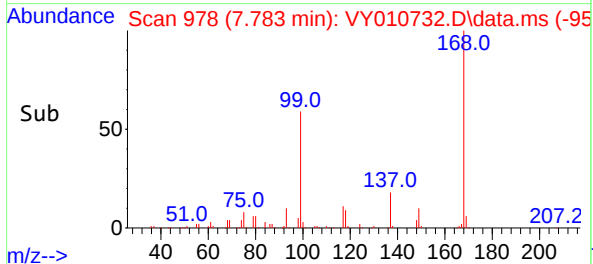
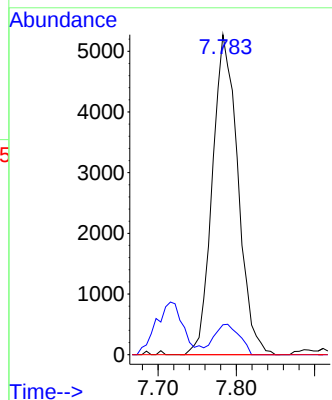
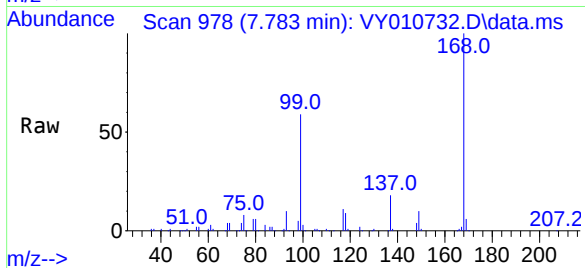
Tgt Ion: 75 Resp: 11922

Ion Ratio Lower Upper

75 100

110 9.3 17.1 51.2#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 1.484 ug/l

RT: 6.966 min Scan# 844

Delta R.T. -0.104 min

Lab File: VY010732.D

Acq: 29 Sep 2022 15:37

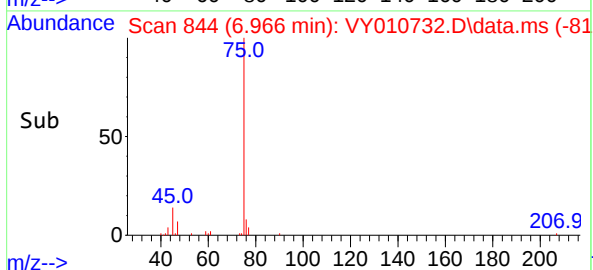
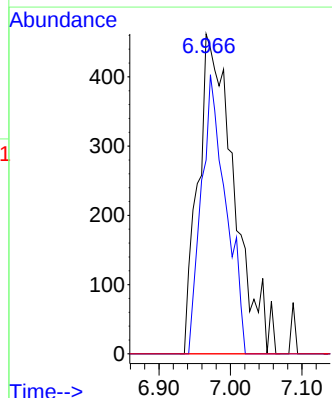
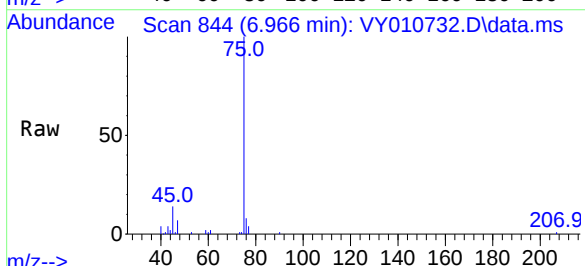
Tgt Ion: 43 Resp: 1617

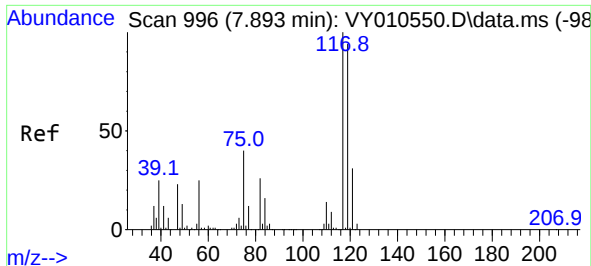
Ion Ratio Lower Upper

43 100

61 59.4 9.7 14.5#

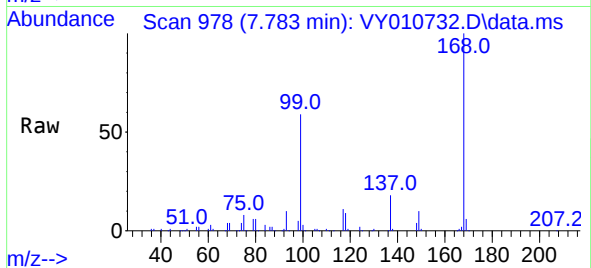
70 0.0 7.1 10.7#



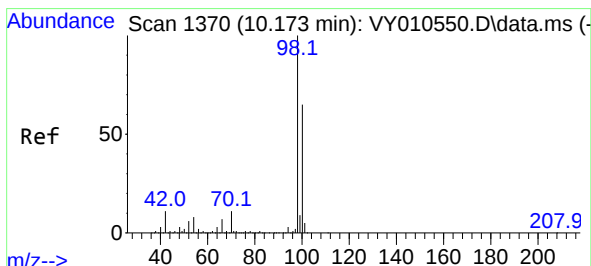
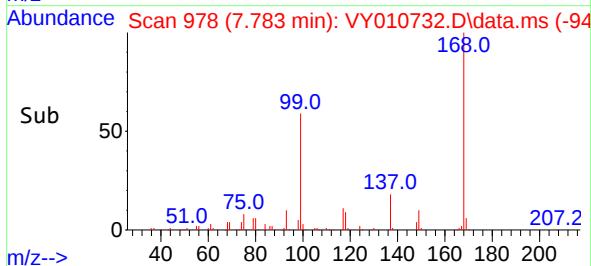
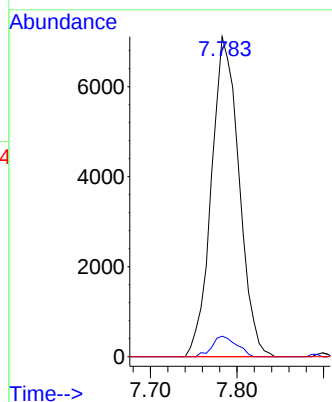


#38
Carbon Tetrachloride
Concen: 7.275 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY010732.D
Acq: 29 Sep 2022 15:37

Instrument :
MSVOA_Y
ClientSampleId :
OE-02-092822

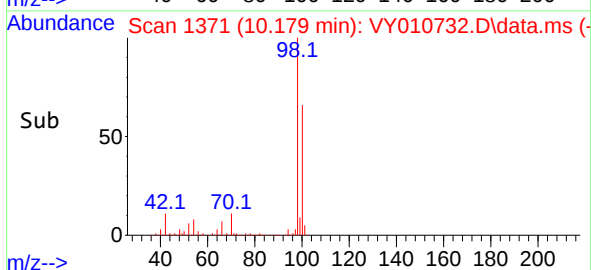
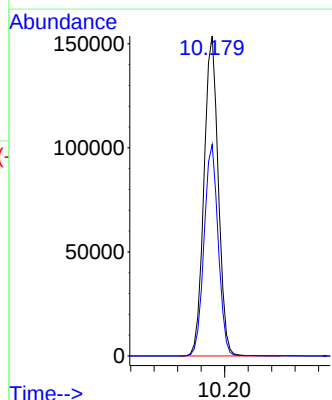
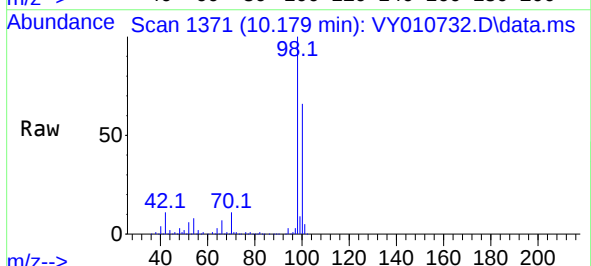


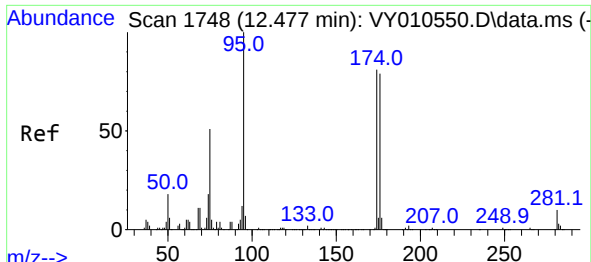
Tgt Ion:117 Resp: 15777
Ion Ratio Lower Upper
117 100
119 6.4 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 42.073 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.006 min
Lab File: VY010732.D
Acq: 29 Sep 2022 15:37

Tgt Ion: 98 Resp: 259908
Ion Ratio Lower Upper
98 100
100 65.4 50.2 75.2

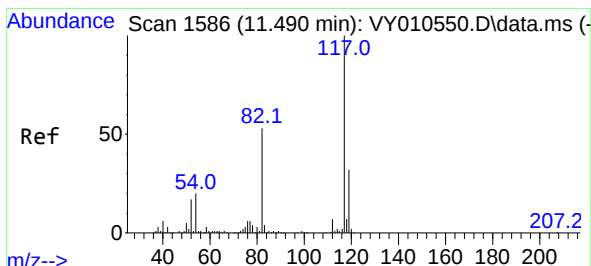
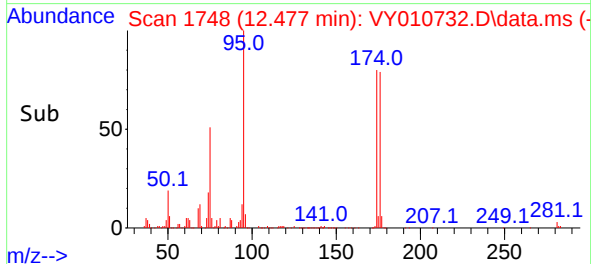
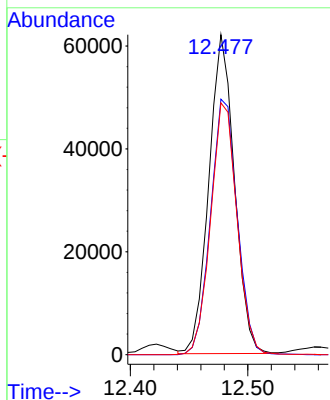
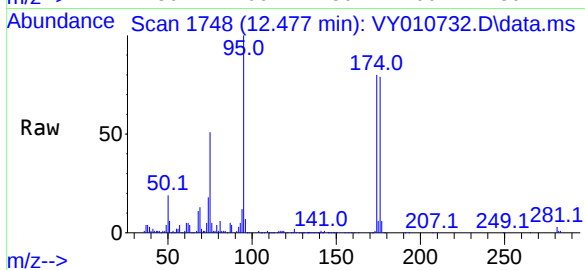




#62
4-Bromofluorobenzene
Concen: 39.802 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY010732.D
Acq: 29 Sep 2022 15:37

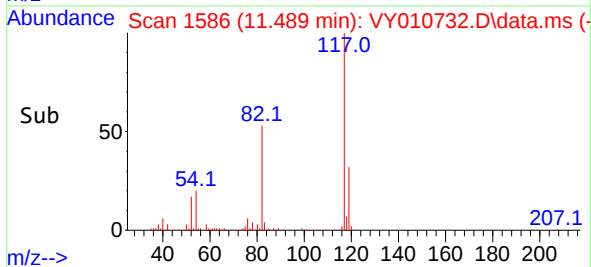
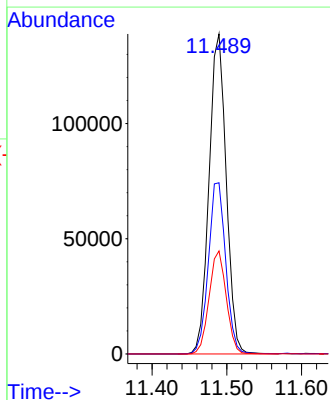
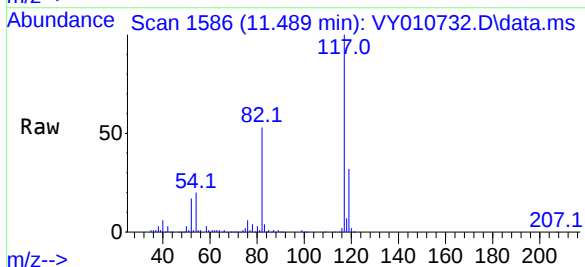
Instrument :
MSVOA_Y
ClientSampleId :
OE-02-092822

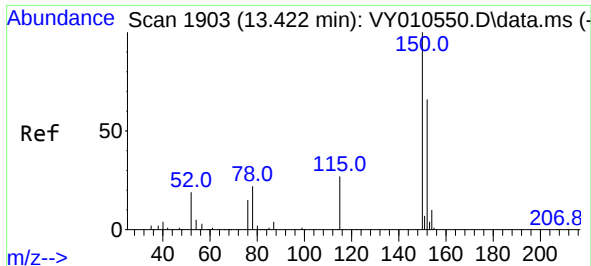
Tgt Ion:	95	Resp:	93693
Ion	Ratio	Lower	Upper
95	100		
174	83.9	0.0	177.0
176	81.7	0.0	175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY010732.D
Acq: 29 Sep 2022 15:37

Tgt Ion:	117	Resp:	222431
Ion	Ratio	Lower	Upper
117	100		
82	53.5	43.0	64.4
119	32.2	25.4	38.0

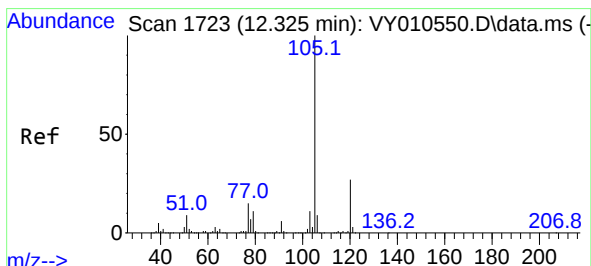
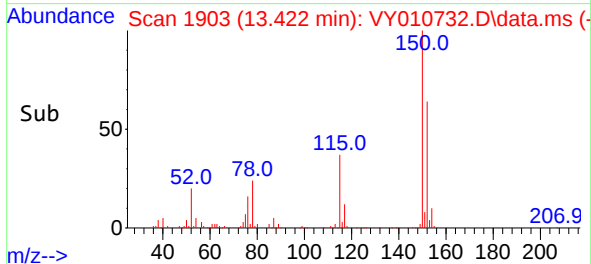
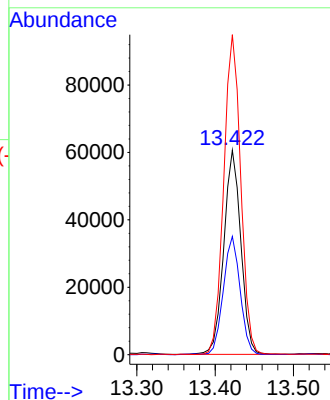
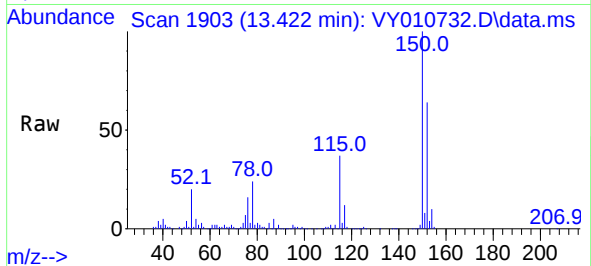




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY010732.D
Acq: 29 Sep 2022 15:37

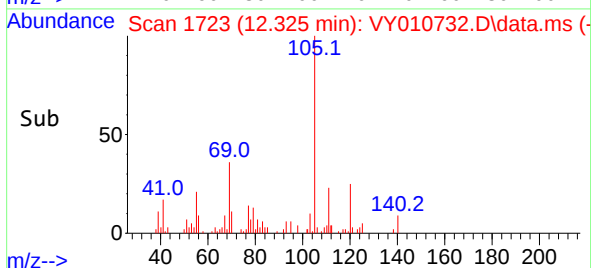
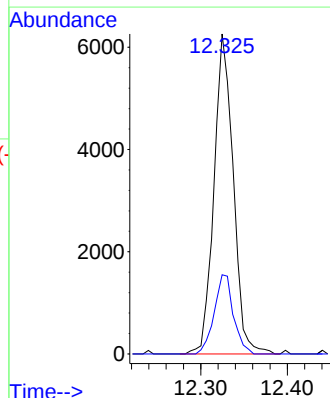
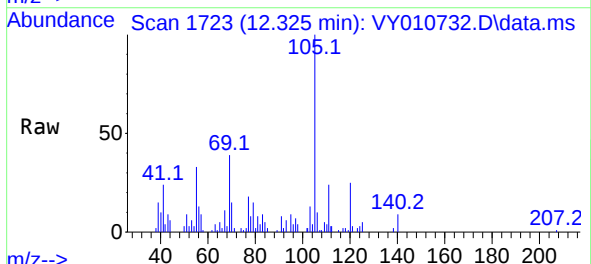
Instrument :
MSVOA_Y
ClientSampleId :
OE-02-092822

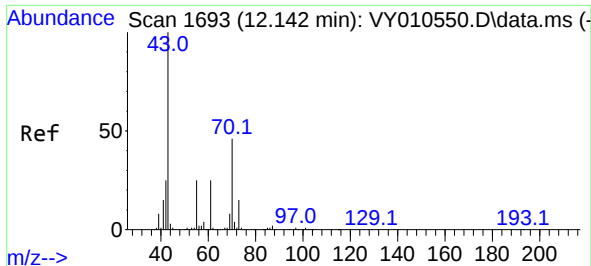
Tgt Ion:152 Resp: 91690
Ion Ratio Lower Upper
152 100
115 57.7 28.2 84.7
150 156.1 0.0 347.6



#73
Isopropylbenzene
Concen: 1.708 ug/l
RT: 12.325 min Scan# 1723
Delta R.T. -0.000 min
Lab File: VY010732.D
Acq: 29 Sep 2022 15:37

Tgt Ion:105 Resp: 9681
Ion Ratio Lower Upper
105 100
120 24.7 13.4 40.2

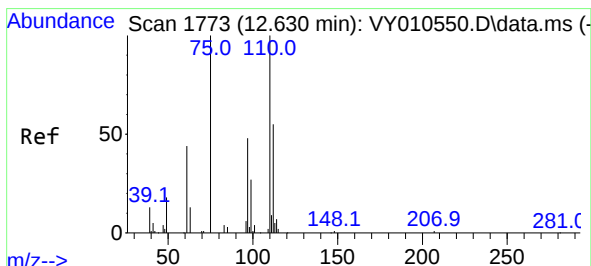
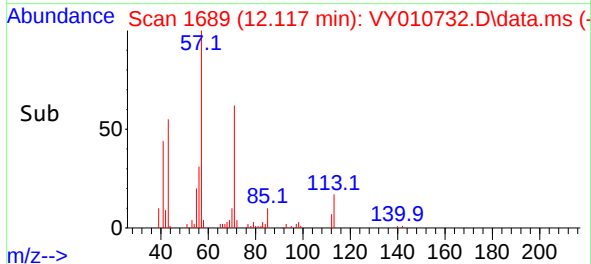
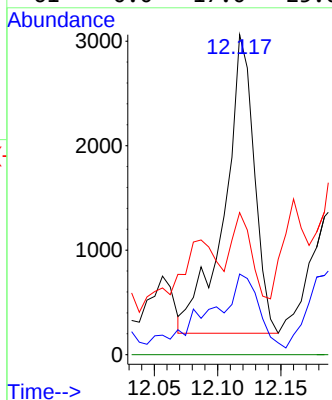
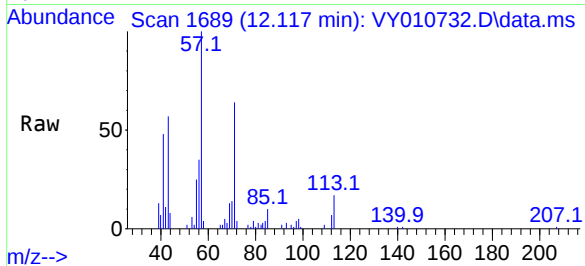




#74
N-amy1 acetate
Concen: 3.406 ug/l
RT: 12.117 min Scan# 1
Delta R.T. -0.025 min
Lab File: VY010732.D
Acq: 29 Sep 2022 15:37

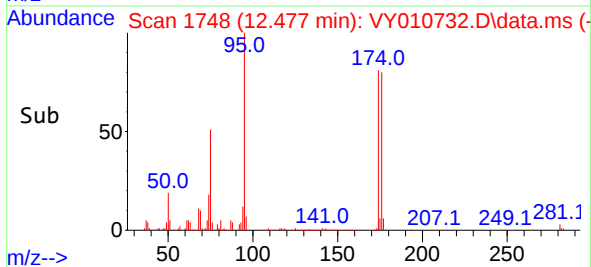
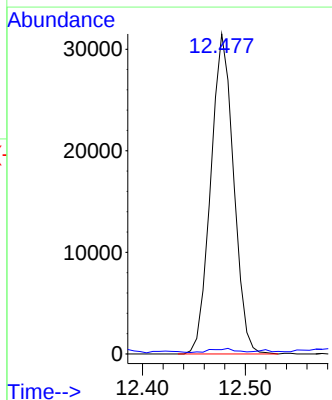
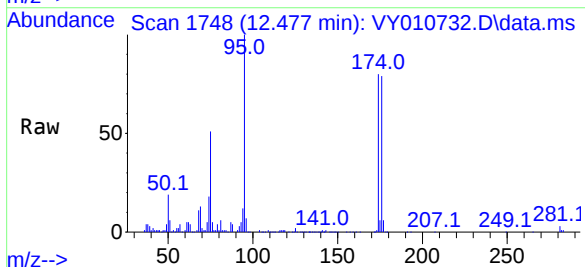
Instrument :
MSVOA_Y
ClientSampleId :
OE-02-092822

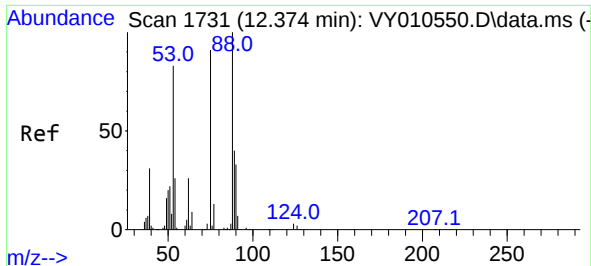
Tgt Ion:	43	Resp:	4681
Ion	Ratio	Lower	Upper
43	100		
70	40.0	28.7	43.1
55	18.4	17.3	25.9
61	0.0	17.0	25.6



#76
1,2,3-Trichloropropane
Concen: 55.701 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY010732.D
Acq: 29 Sep 2022 15:37

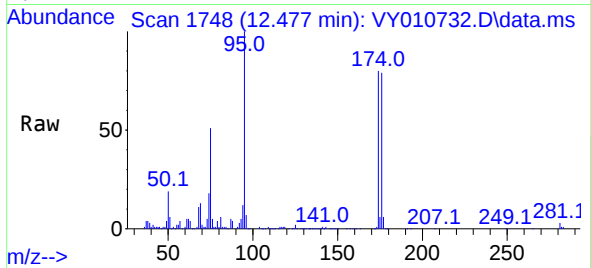
Tgt Ion:	75	Resp:	48745
Ion	Ratio	Lower	Upper
75	100		
77	1.3	0.0	0.0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 123.847 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY010732.D
 Acq: 29 Sep 2022 15:37

Instrument :
 MSVOA_Y
 ClientSampleId :
 OE-02-092822



Tgt Ion: 75 Resp: 48745
 Ion Ratio Lower Upper
 75 100
 53 0.9 85.3 127.9#
 89 0.0 37.0 55.4#

