

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070622\
 Data File : VY009459.D
 Acq On : 06 Jul 2022 17:15
 Operator : KP/MD
 Sample : N3605-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OE-2-070622

Quant Time: Jul 07 01:51:01 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062822S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 29 17:35:34 2022
 Response via : Initial Calibration

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

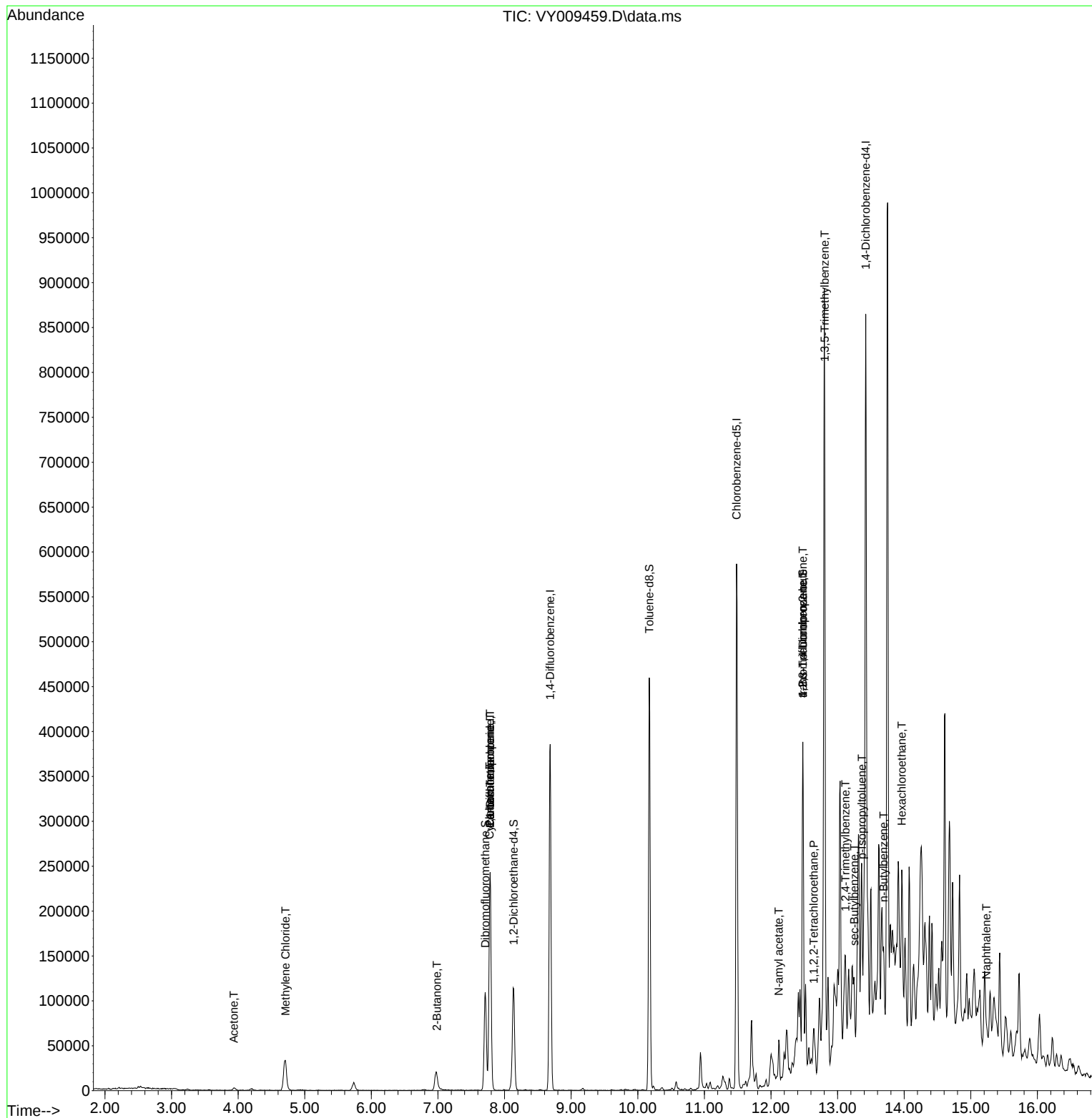
Internal Standards						
1) Pentafluorobenzene	7.783	168	192457	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	329193	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	315467	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	164801	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	85476	55.450	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 110.900%	
35) Dibromofluoromethane	7.710	113	77195	42.607	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 85.220%	
50) Toluene-d8	10.173	98	292163	52.595	ug/l	0.00
Spiked Amount	50.000	Range	78 - 125	Recovery	= 105.180%	
62) 4-Bromofluorobenzene	12.477	95	107346	40.745	ug/l	0.00
Spiked Amount	50.000	Range	50 - 146	Recovery	= 81.500%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.942	59	975	Below Cal	#	77
16) Acetone	3.936	43	4394	8.679	ug/l	96
18) Methyl Acetate	4.466	43	115	Below Cal	#	56
20) Methylene Chloride	4.710	84	25992	4.711	ug/l	86
25) 2-Butanone	6.984	43	1492	1.859	ug/l	# 54
31) Cyclohexane	7.777	56	4059	1.171	ug/l	# 1
36) 1,1-Dichloropropene	7.783	75	14560	4.596	ug/l	# 51
38) Carbon Tetrachloride	7.783	117	18920	5.714	ug/l	# 16
74) N-amyl acetate	12.118	43	10076	3.156	ug/l	# 74
75) 1,1,2,2-Tetrachloroethane	12.642	83	4569	1.938	ug/l	# 26
76) 1,2,3-Trichloropropane	12.477	75	55084	28.542	ug/l	# 100
80) 1,3,5-Trimethylbenzene	12.806	105	32244	3.168	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.477	75	55084	63.547	ug/l	# 8
84) 1,2,4-Trimethylbenzene	13.117	105	42671	4.411	ug/l	96
85) sec-Butylbenzene	13.251	105	14870	1.154	ug/l	# 72
86) p-Isopropyltoluene	13.367	119	11378	1.050	ug/l	96
89) n-Butylbenzene	13.690	91	45764	4.496	ug/l	# 75
90) Hexachloroethane	13.965	117	4922	2.292	ug/l	# 6
95) Naphthalene	15.233	128	6210	1.005	ug/l	# 82

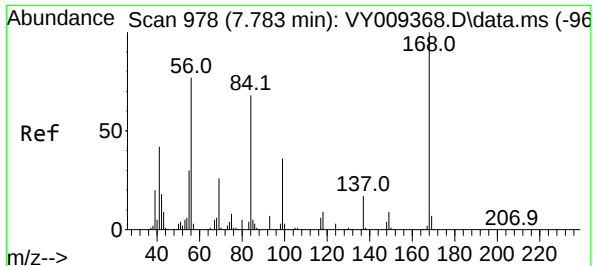
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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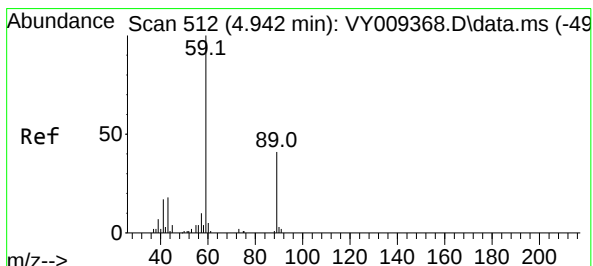
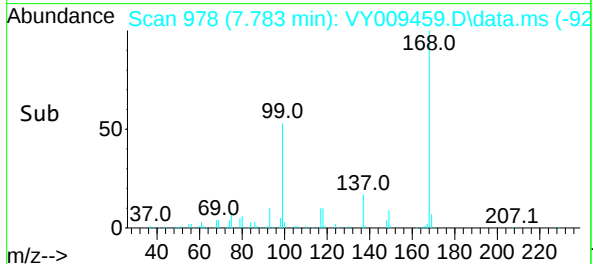
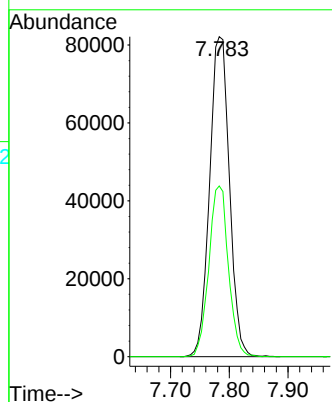
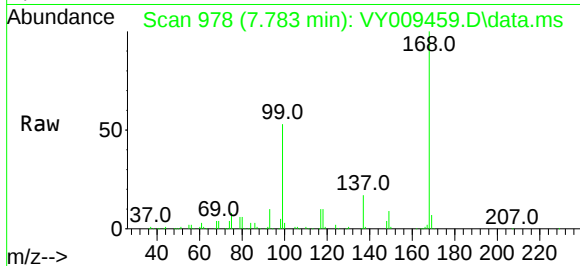




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009459.D
Acq: 06 Jul 2022 17:15

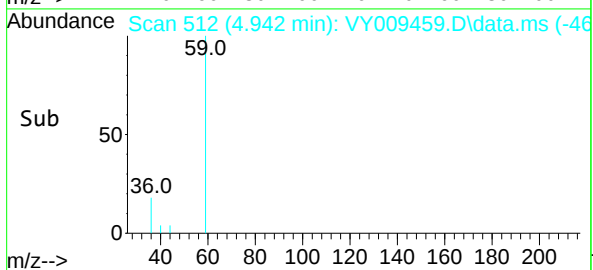
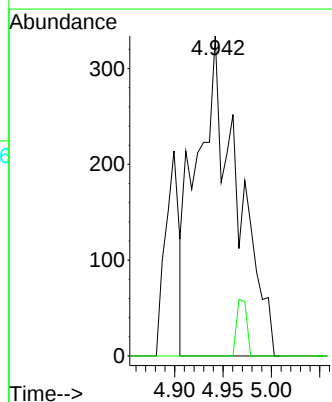
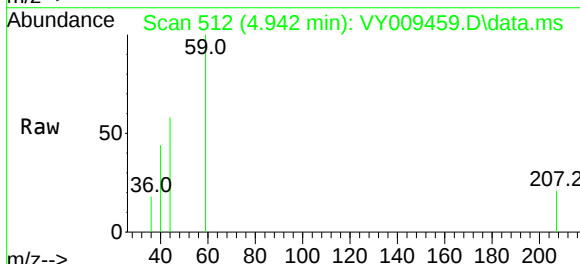
Instrument :
MSVOA_Y
ClientSampleId :
OE-2-070622

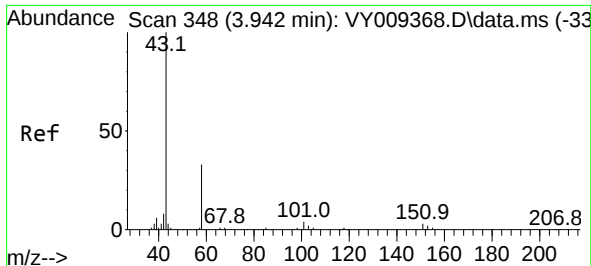
Tgt Ion:168 Resp: 192457
Ion Ratio Lower Upper
168 100
99 53.4 46.9 70.3



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.942 min Scan# 512
Delta R.T. -0.000 min
Lab File: VY009459.D
Acq: 06 Jul 2022 17:15

Tgt Ion: 59 Resp: 975
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#





#16

Acetone

Concen: 8.679 ug/l

RT: 3.936 min Scan# 34

Delta R.T. -0.006 min

Lab File: VY009459.D

Acq: 06 Jul 2022 17:15

Instrument :

MSVOA_Y

ClientSampleId :

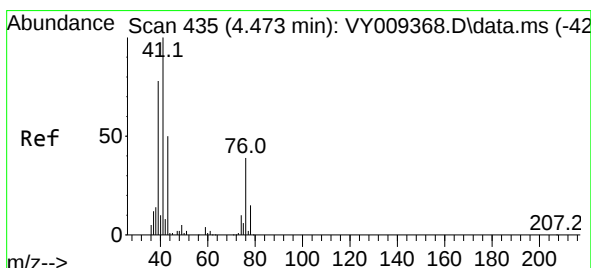
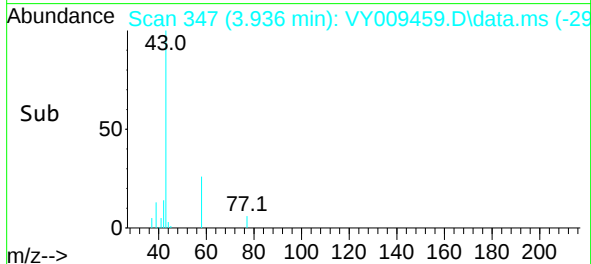
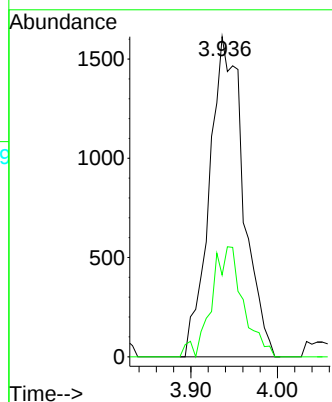
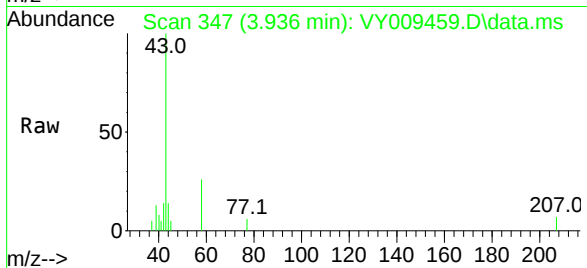
OE-2-070622

Tgt Ion: 43 Resp: 4394

Ion Ratio Lower Upper

43 100

58 25.5 22.0 33.0



#18

Methyl Acetate

Concen: Below Cal

RT: 4.466 min Scan# 434

Delta R.T. -0.007 min

Lab File: VY009459.D

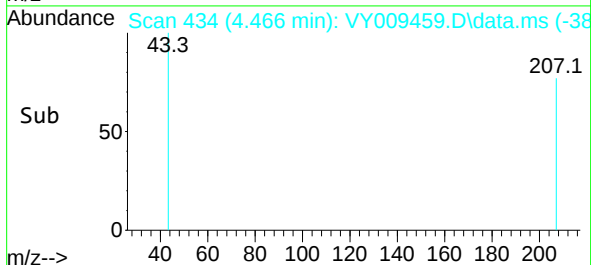
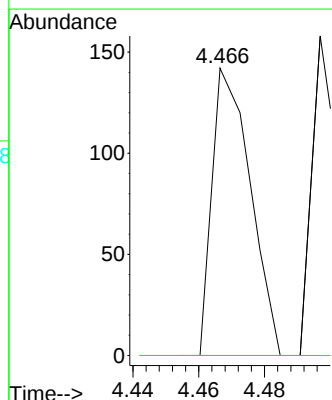
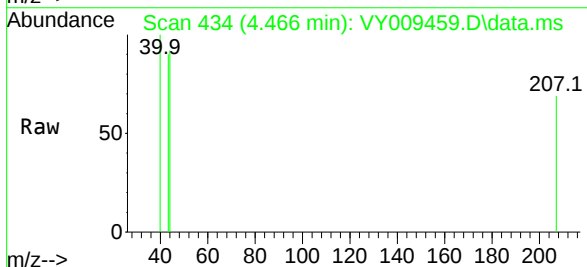
Acq: 06 Jul 2022 17:15

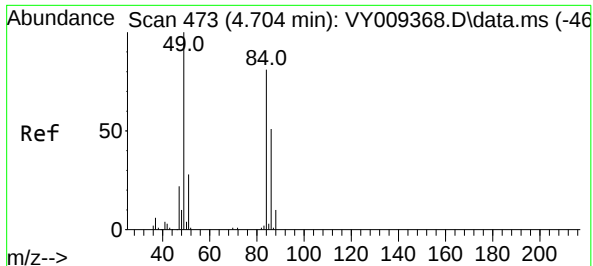
Tgt Ion: 43 Resp: 115

Ion Ratio Lower Upper

43 100

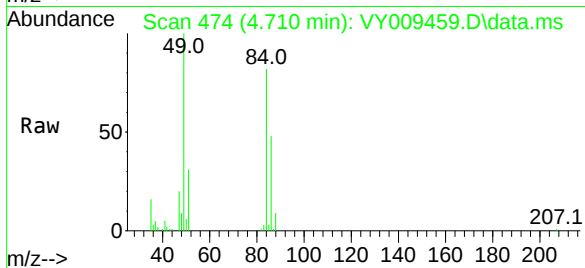
74 0.0 16.6 24.8#





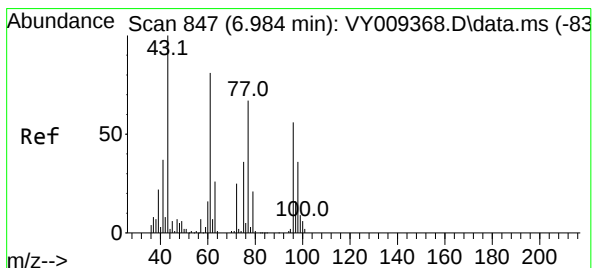
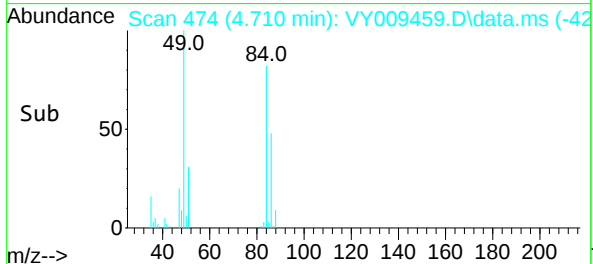
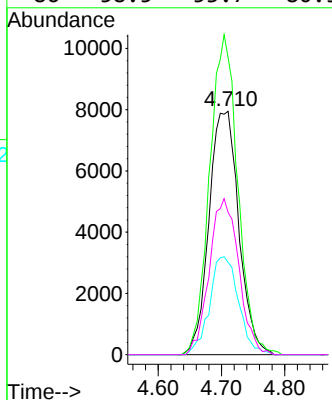
#20
Methylene Chloride
Concen: 4.711 ug/l
RT: 4.710 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY009459.D
Acq: 06 Jul 2022 17:15

Instrument :
MSVOA_Y
ClientSampleId :
OE-2-070622



Tgt Ion: 84 Resp: 25992

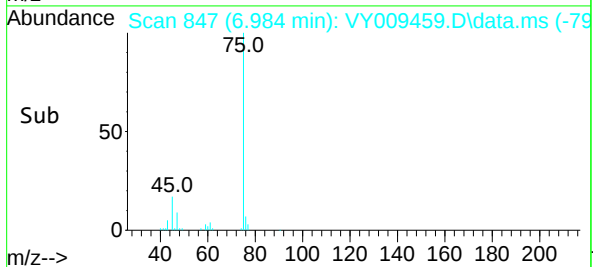
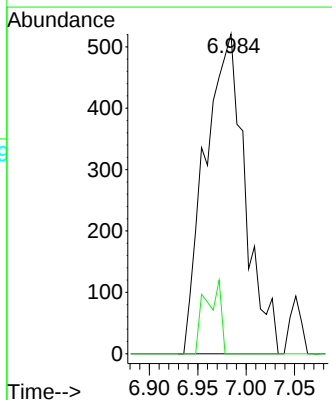
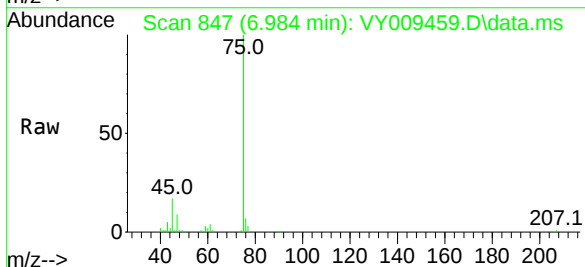
Ion	Ratio	Lower	Upper
84	100		
49	122.0	114.4	171.6
51	38.0	35.3	52.9
86	58.5	53.7	80.5

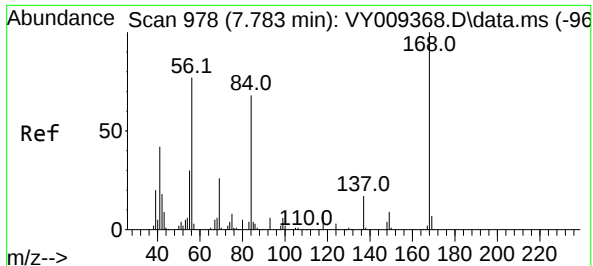


#25
2-Butanone
Concen: 1.859 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.006 min
Lab File: VY009459.D
Acq: 06 Jul 2022 17:15

Tgt Ion: 43 Resp: 1492

Ion	Ratio	Lower	Upper
43	100		
72	0.0	17.7	26.5#

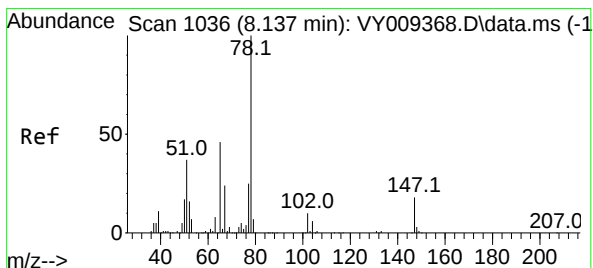
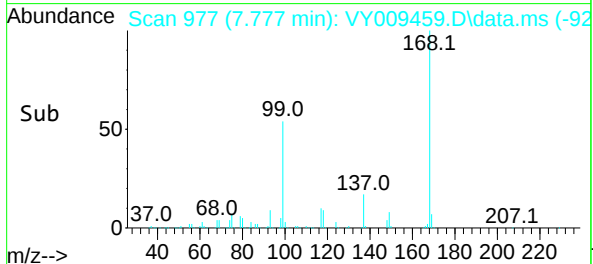
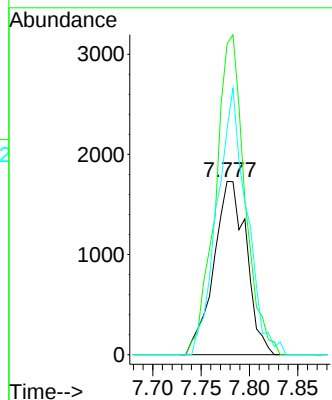
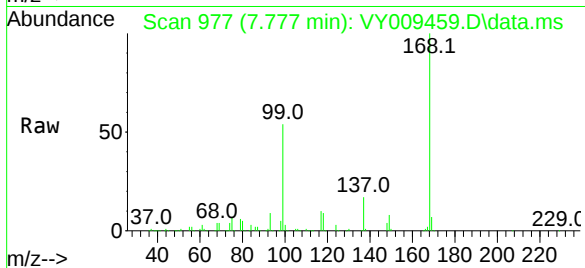




#31
Cyclohexane
Concen: 1.171 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY009459.D
Acq: 06 Jul 2022 17:15

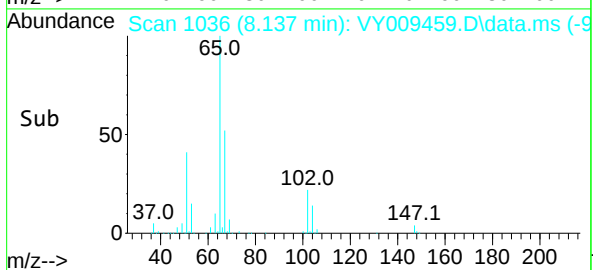
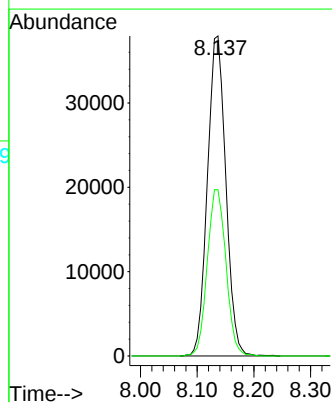
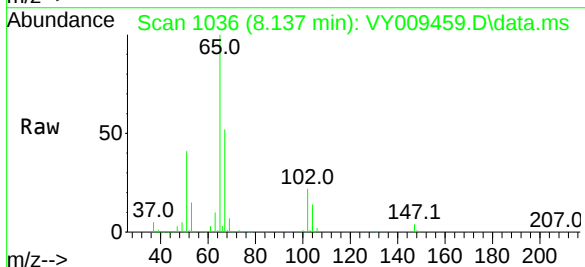
Instrument :
MSVOA_Y
ClientSampleId :
OE-2-070622

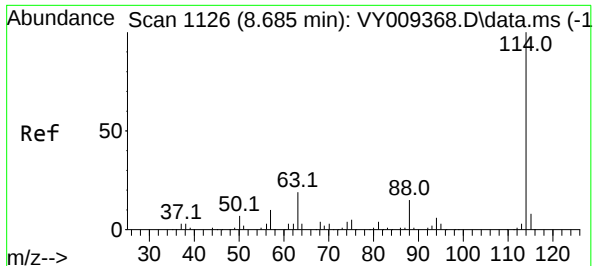
Tgt Ion: 56 Resp: 4059
Ion Ratio Lower Upper
56 100
69 179.4 26.7 40.1#
84 130.2 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 55.450 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. 0.001 min
Lab File: VY009459.D
Acq: 06 Jul 2022 17:15

Tgt Ion: 65 Resp: 85476
Ion Ratio Lower Upper
65 100
67 52.8 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: VY009459.D

Acq: 06 Jul 2022 17:15

Instrument :

MSVOA_Y

ClientSampleId :

OE-2-070622

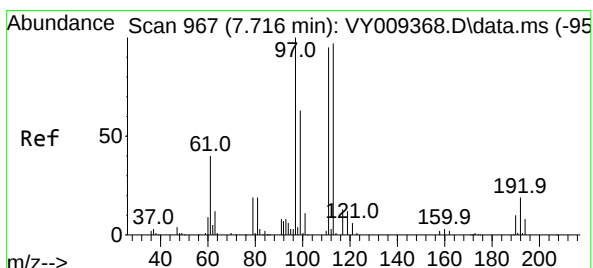
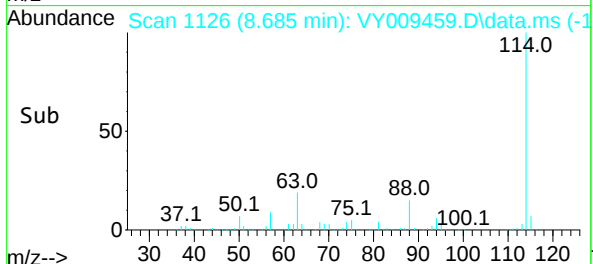
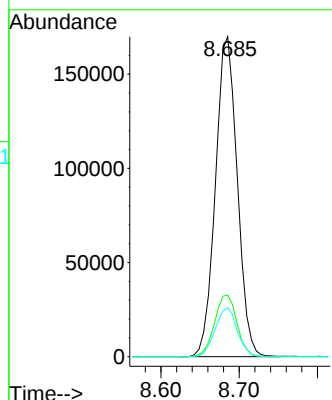
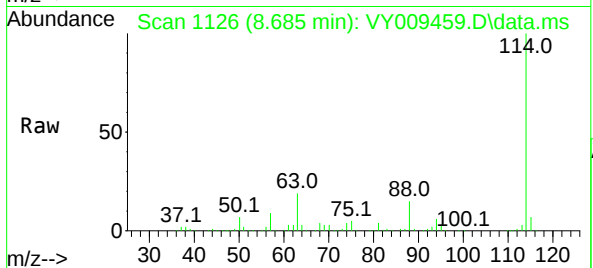
Tgt Ion:114 Resp: 329193

Ion Ratio Lower Upper

114 100

63 19.2 0.0 43.2

88 15.3 0.0 31.8



#35

Dibromofluoromethane

Concen: 42.607 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.000 min

Lab File: VY009459.D

Acq: 06 Jul 2022 17:15

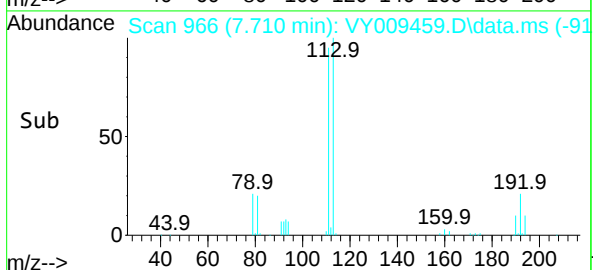
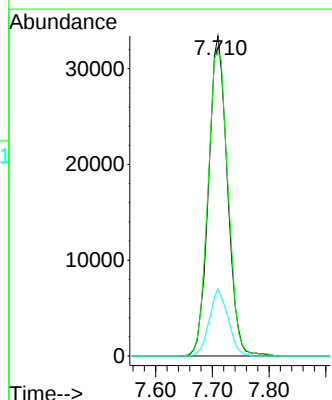
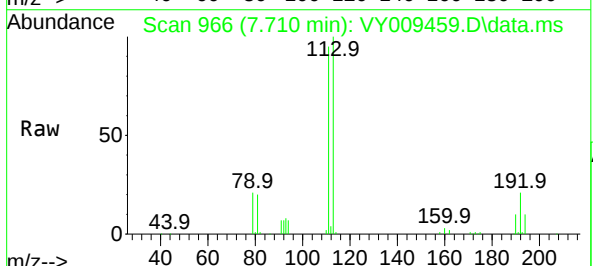
Tgt Ion:113 Resp: 77195

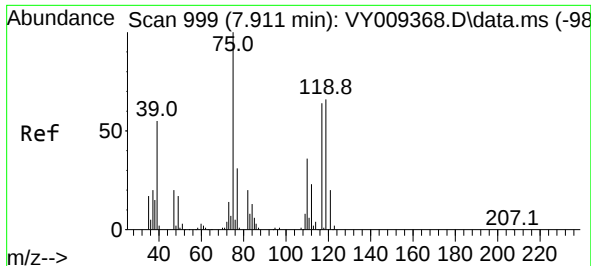
Ion Ratio Lower Upper

113 100

111 101.7 82.6 124.0

192 20.8 17.6 26.4

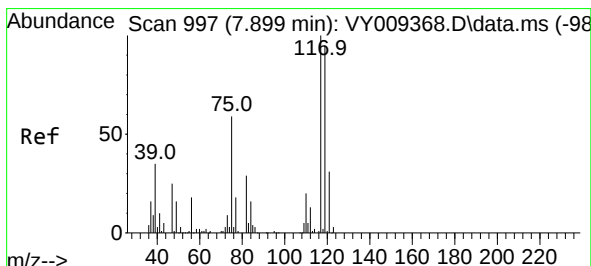
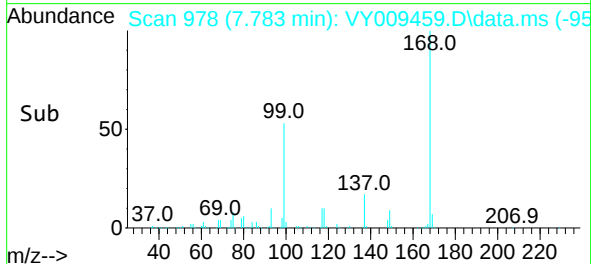
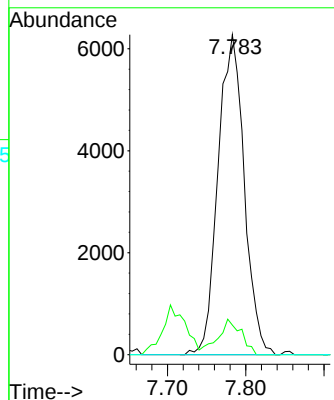
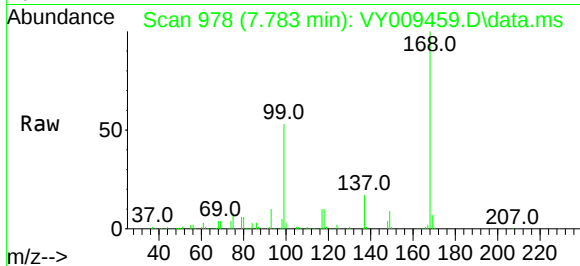




#36
 1,1-Dichloropropene
 Concen: 4.596 ug/l
 RT: 7.783 min Scan# 91
 Delta R.T. -0.128 min
 Lab File: VY009459.D
 Acq: 06 Jul 2022 17:15

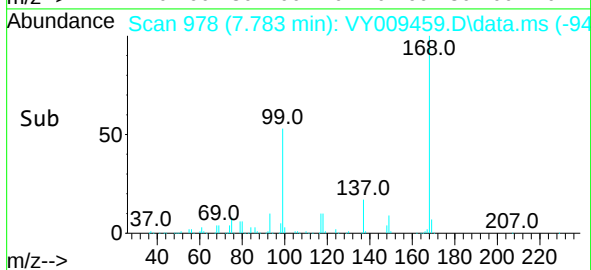
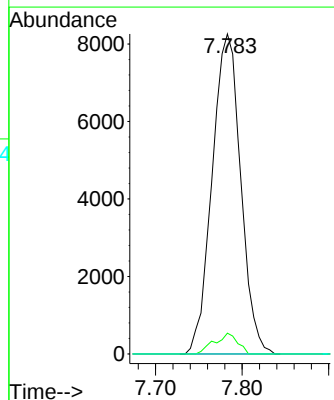
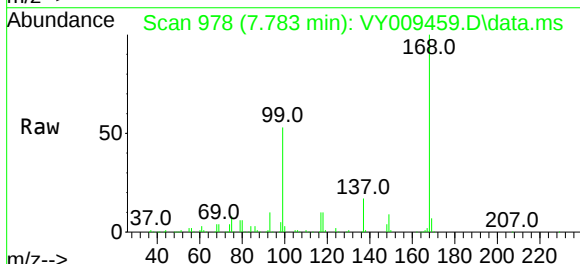
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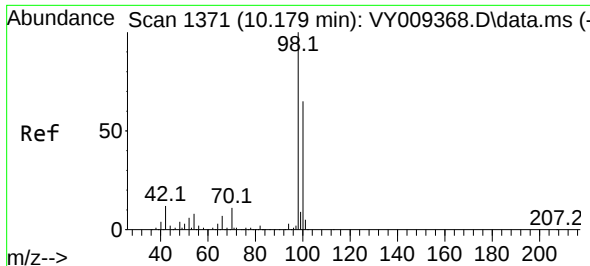
Tgt Ion: 75 Resp: 14560
 Ion Ratio Lower Upper
 75 100
 110 9.5 17.1 51.2#
 77 0.0 24.4 36.6#



#38
 Carbon Tetrachloride
 Concen: 5.714 ug/l
 RT: 7.783 min Scan# 978
 Delta R.T. -0.110 min
 Lab File: VY009459.D
 Acq: 06 Jul 2022 17:15

Tgt Ion: 117 Resp: 18920
 Ion Ratio Lower Upper
 117 100
 119 6.5 77.9 116.9#
 121 0.0 24.8 37.2#

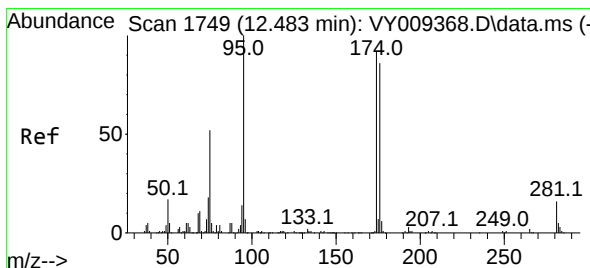
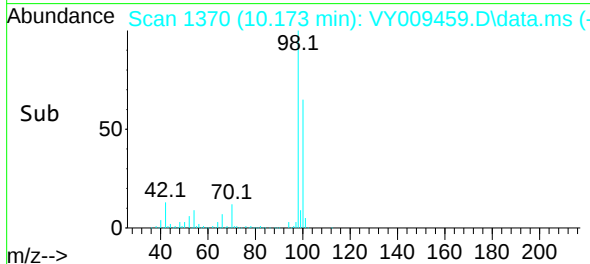
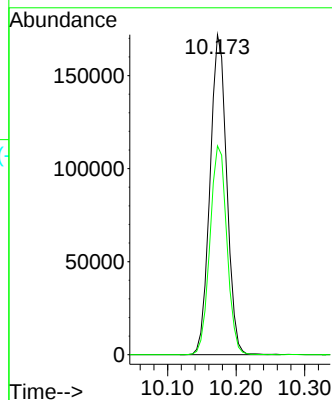
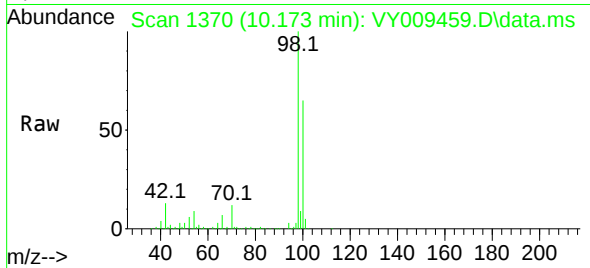




#50
Toluene-d8
Concen: 52.595 ug/l
RT: 10.173 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY009459.D
Acq: 06 Jul 2022 17:15

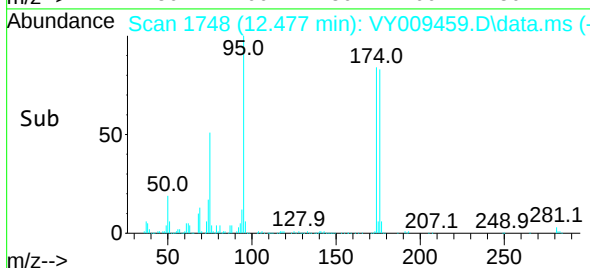
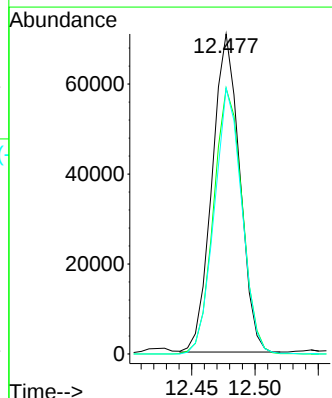
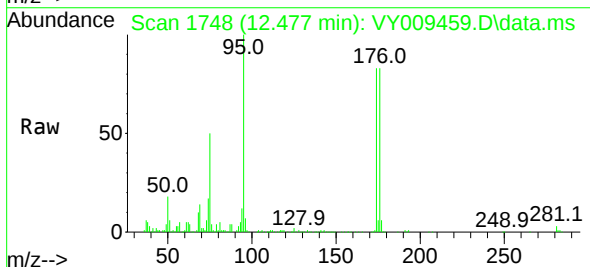
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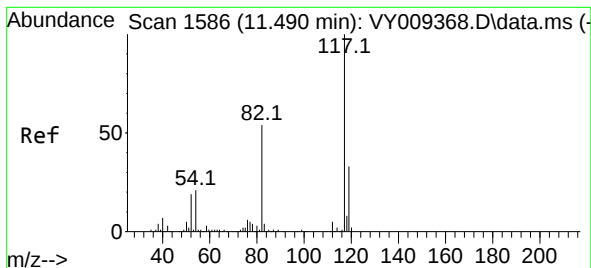
Tgt Ion: 98 Resp: 292163
Ion Ratio Lower Upper
98 100
100 66.0 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 40.745 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY009459.D
Acq: 06 Jul 2022 17:15

Tgt Ion: 95 Resp: 107346
Ion Ratio Lower Upper
95 100
174 86.2 0.0 177.0
176 83.3 0.0 175.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.483 min Scan# 11

Delta R.T. -0.007 min

Lab File: VY009459.D

Acq: 06 Jul 2022 17:15

Instrument :

MSVOA_Y

ClientSampleId :

OE-2-070622

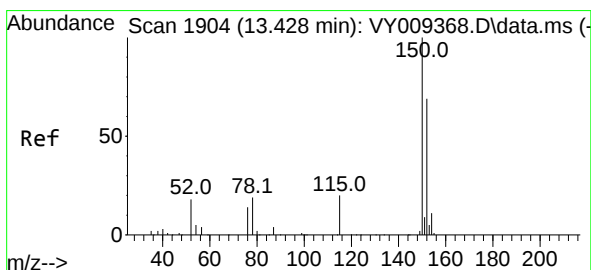
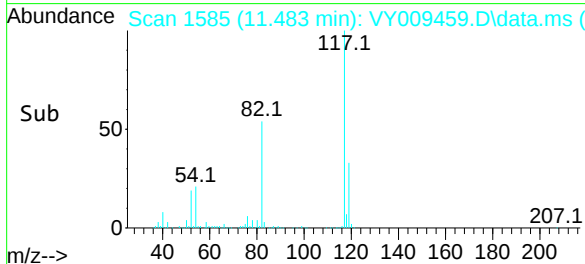
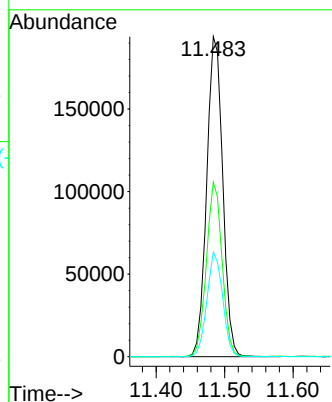
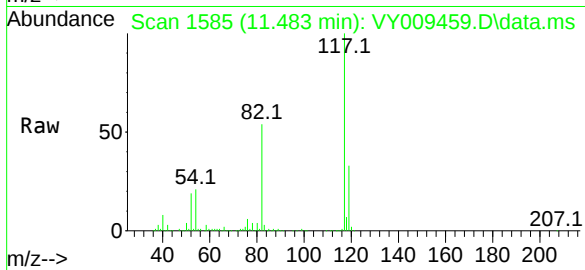
Tgt Ion:117 Resp: 315467

Ion Ratio Lower Upper

117 100

82 54.4 43.0 64.4

119 32.7 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: VY009459.D

Acq: 06 Jul 2022 17:15

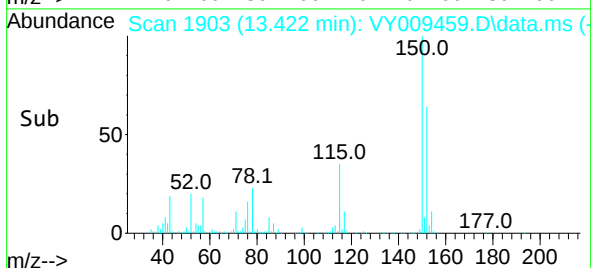
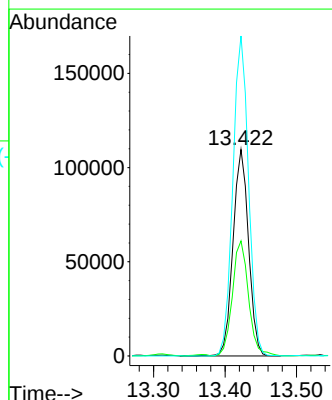
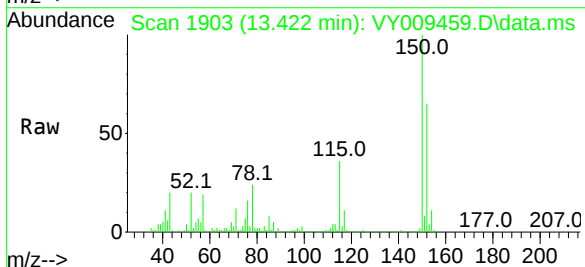
Tgt Ion:152 Resp: 164801

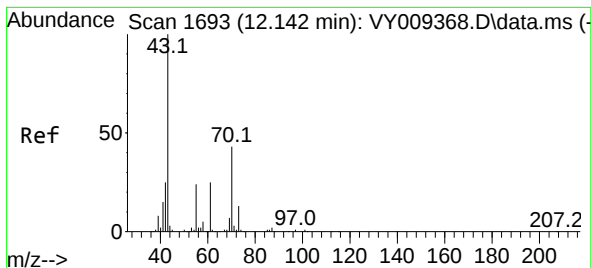
Ion Ratio Lower Upper

152 100

115 57.8 28.2 84.7

150 156.3 0.0 347.6





#74

N-amy1 acetate

Concen: 3.156 ug/l

RT: 12.118 min Scan# 1

Delta R.T. -0.024 min

Lab File: VY009459.D

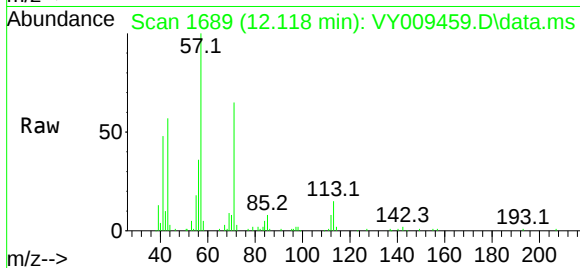
Acq: 06 Jul 2022 17:15

Instrument :

MSVOA_Y

ClientSampleId :

OE-2-070622



Tgt Ion: 43 Resp: 10076

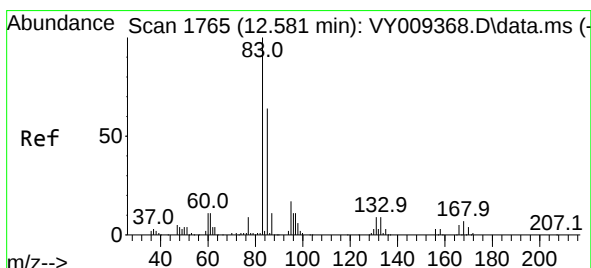
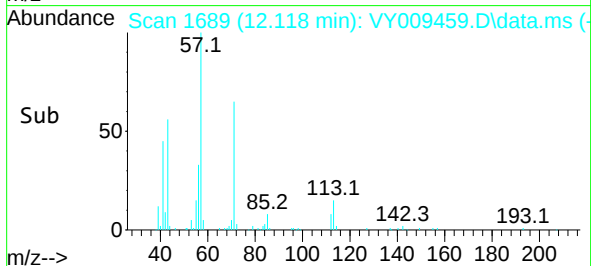
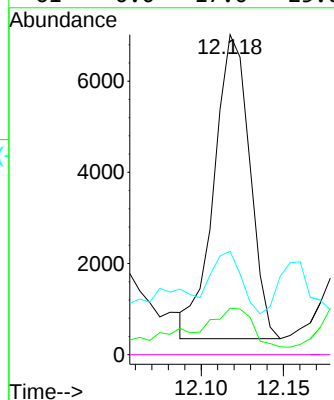
Ion Ratio Lower Upper

43 100

70 21.2 28.7 43.1#

55 16.8 17.3 25.9#

61 0.0 17.0 25.6#



#75

1,1,2,2-Tetrachloroethane

Concen: 1.938 ug/l

RT: 12.642 min Scan# 1775

Delta R.T. 0.061 min

Lab File: VY009459.D

Acq: 06 Jul 2022 17:15

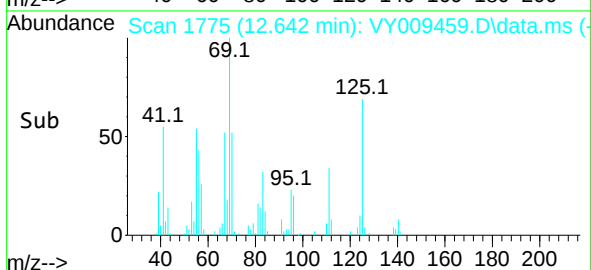
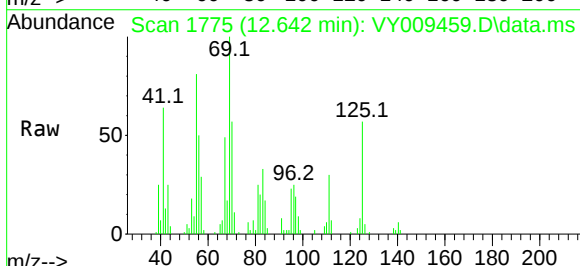
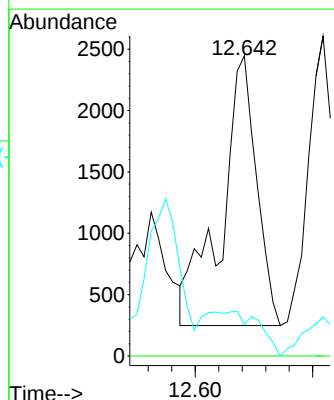
Tgt Ion: 83 Resp: 4569

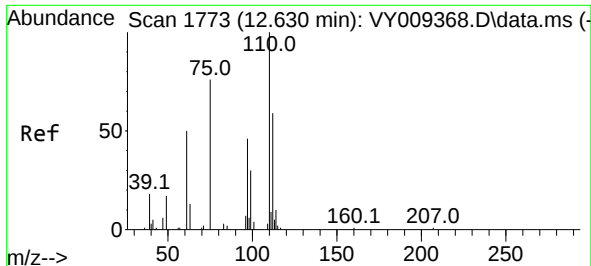
Ion Ratio Lower Upper

83 100

131 0.0 5.6 16.8#

85 0.0 32.3 96.8#

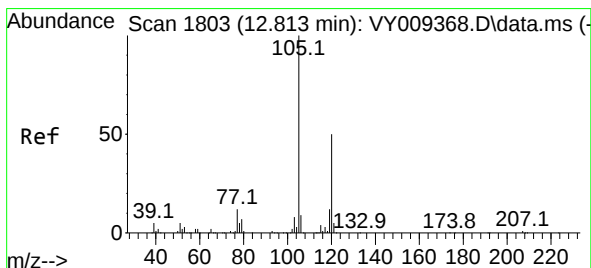
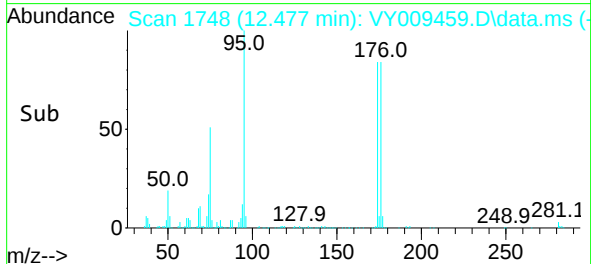
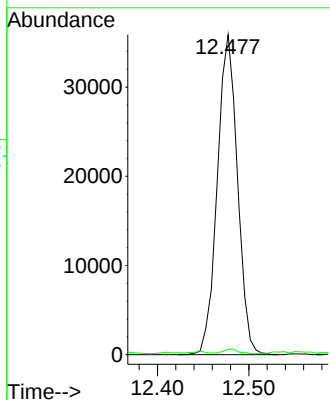
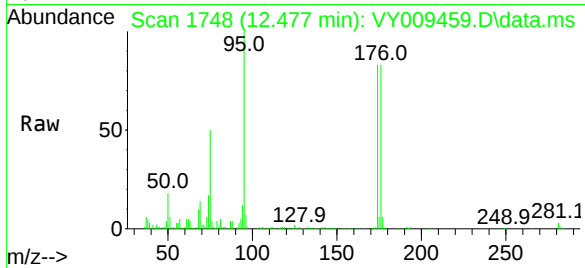




#76
1,2,3-Trichloropropane
Concen: 28.542 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.153 min
Lab File: VY009459.D
Acq: 06 Jul 2022 17:15

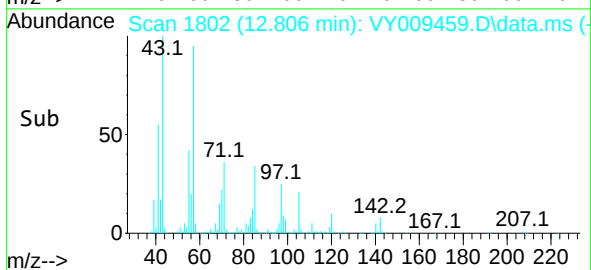
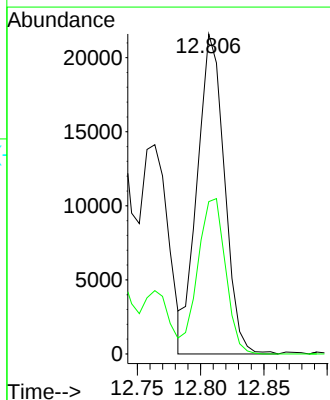
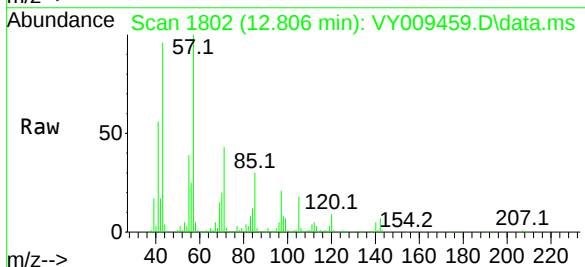
Instrument :
MSVOA_Y
ClientSampleId :
OE-2-070622

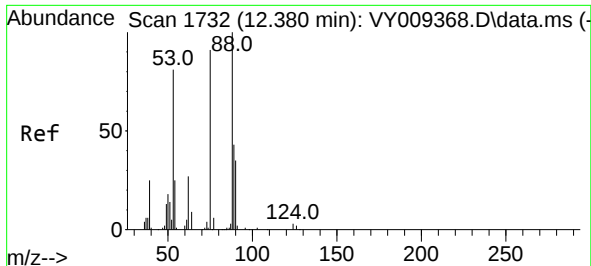
Tgt Ion: 75 Resp: 55084
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#80
1,3,5-Trimethylbenzene
Concen: 3.168 ug/l
RT: 12.806 min Scan# 1802
Delta R.T. -0.006 min
Lab File: VY009459.D
Acq: 06 Jul 2022 17:15

Tgt Ion: 105 Resp: 32244
Ion Ratio Lower Upper
105 100
120 49.7 24.4 73.4

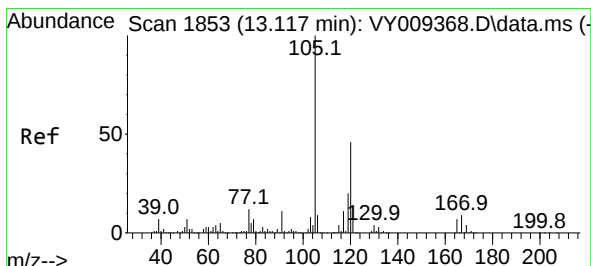
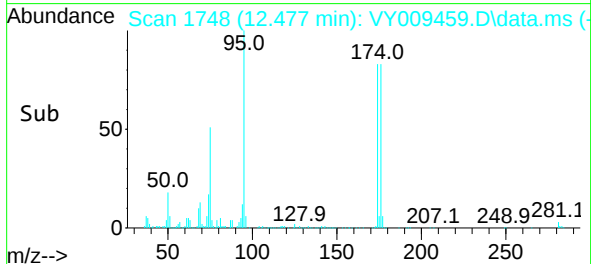
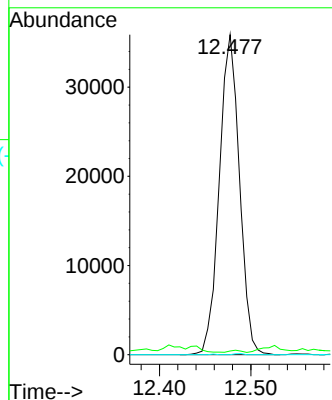
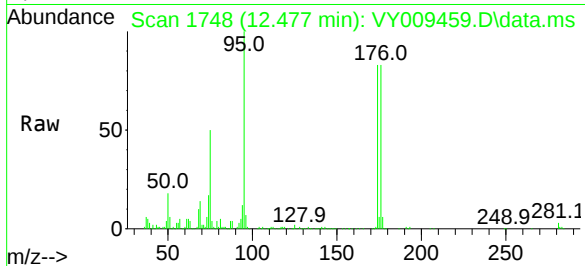




#81
trans-1,4-Dichloro-2-butene
Concen: 63.547 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.103 min
Lab File: VY009459.D
Acq: 06 Jul 2022 17:15

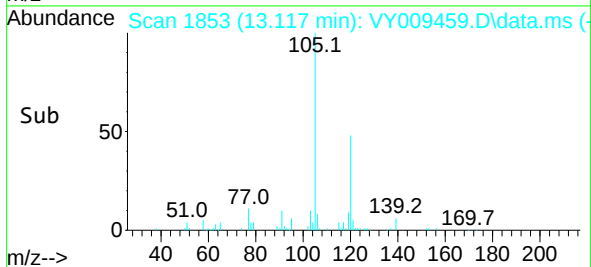
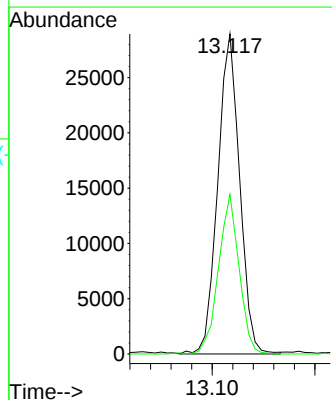
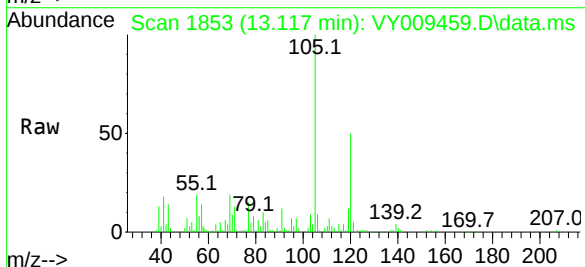
Instrument :
MSVOA_Y
ClientSampleId :
OE-2-070622

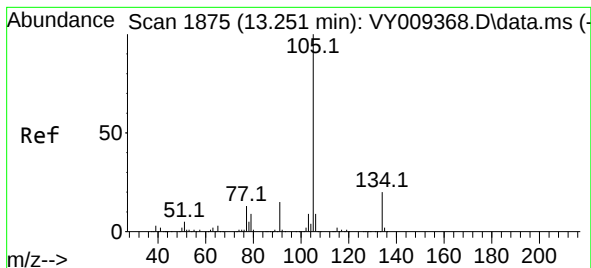
Tgt Ion: 75 Resp: 55084
Ion Ratio Lower Upper
75 100
53 0.4 85.3 127.9#
89 0.2 37.0 55.4#



#84
1,2,4-Trimethylbenzene
Concen: 4.411 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VY009459.D
Acq: 06 Jul 2022 17:15

Tgt Ion: 105 Resp: 42671
Ion Ratio Lower Upper
105 100
120 47.2 22.3 66.9





#85

sec-Butylbenzene

Concen: 1.154 ug/l

RT: 13.251 min Scan# 1875

Delta R.T. 0.000 min

Lab File: VY009459.D

Acq: 06 Jul 2022 17:15

Instrument :

MSVOA_Y

ClientSampleId :

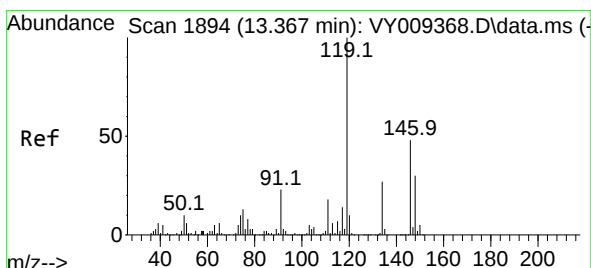
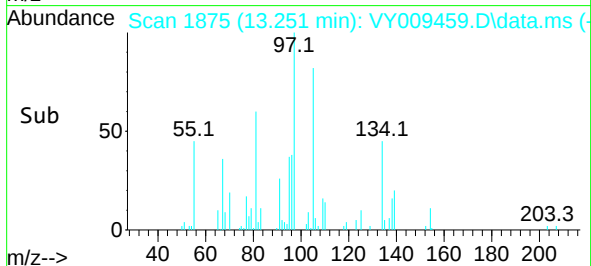
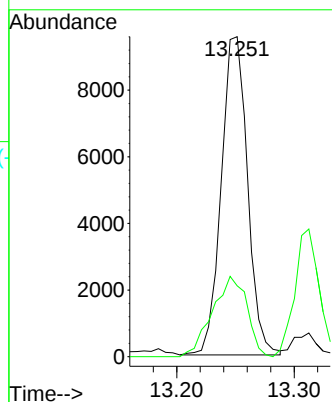
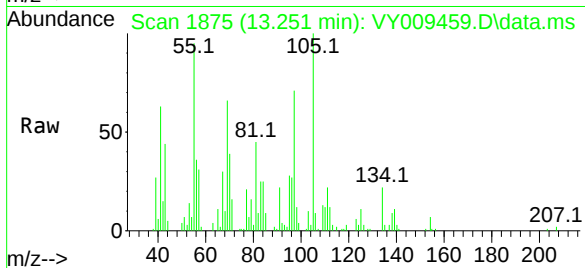
OE-2-070622

Tgt Ion:105 Resp: 14870

Ion Ratio Lower Upper

105 100

134 33.1 10.2 30.4#



#86

p-Isopropyltoluene

Concen: 1.050 ug/l

RT: 13.367 min Scan# 1894

Delta R.T. 0.000 min

Lab File: VY009459.D

Acq: 06 Jul 2022 17:15

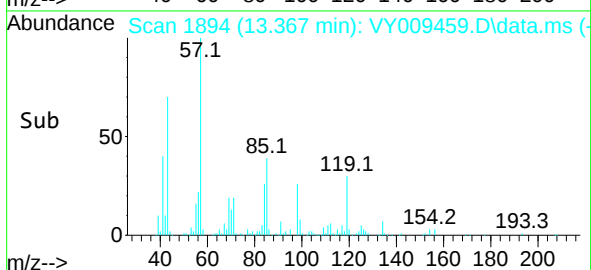
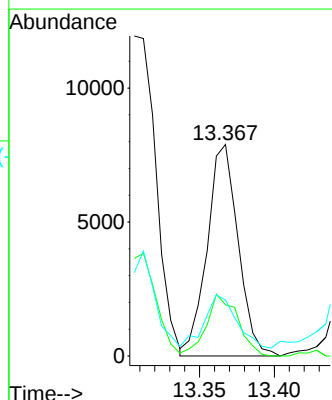
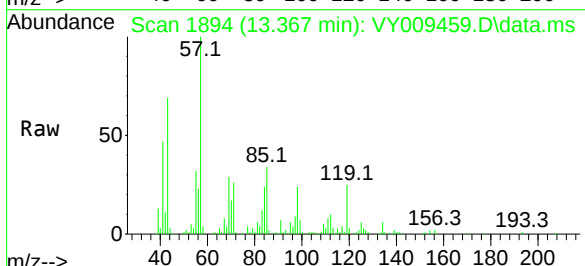
Tgt Ion:119 Resp: 11378

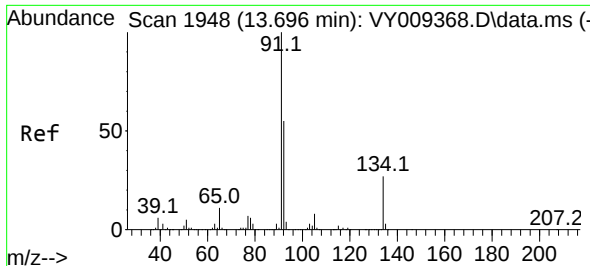
Ion Ratio Lower Upper

119 100

134 29.6 13.2 39.5

91 25.9 12.4 37.2

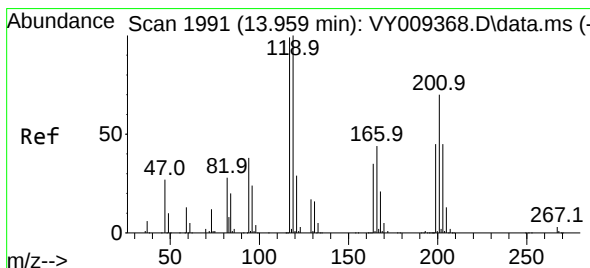
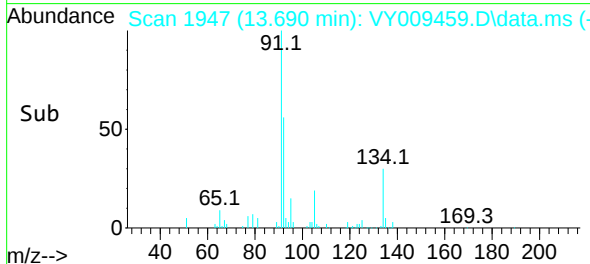
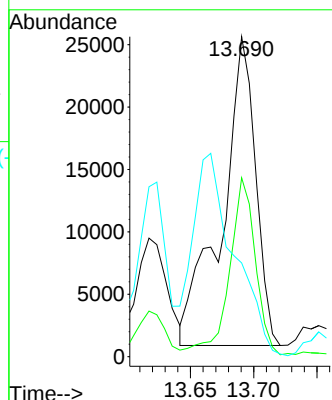
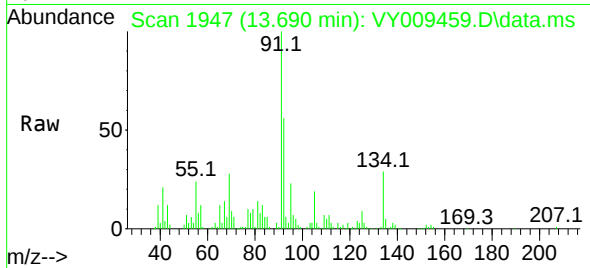




#89
n-Butylbenzene
Concen: 4.496 ug/l
RT: 13.690 min Scan# 1947
Delta R.T. -0.006 min
Lab File: VY009459.D
Acq: 06 Jul 2022 17:15

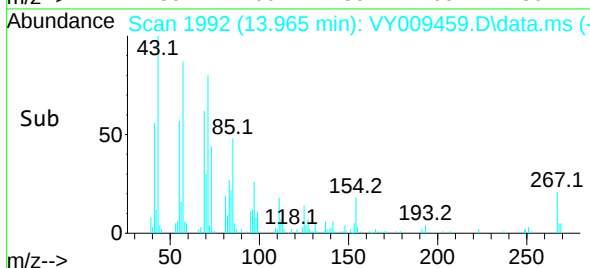
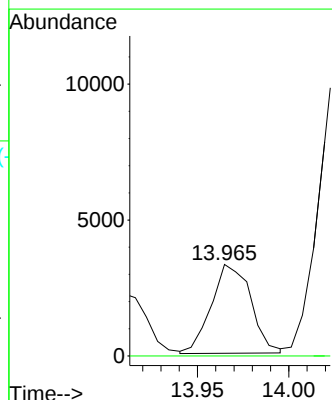
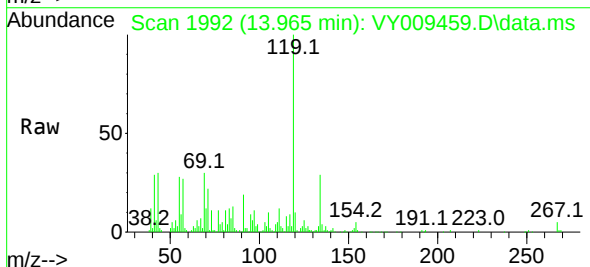
Instrument :
MSVOA_Y
ClientSampleId :
OE-2-070622

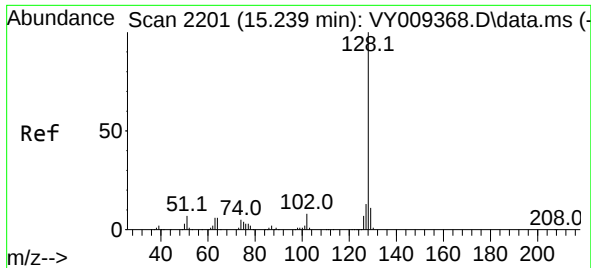
Tgt Ion: 91 Resp: 45764
Ion Ratio Lower Upper
91 100
92 44.4 26.3 78.9
134 0.0 13.0 38.9#



#90
Hexachloroethane
Concen: 2.292 ug/l
RT: 13.965 min Scan# 1992
Delta R.T. 0.006 min
Lab File: VY009459.D
Acq: 06 Jul 2022 17:15

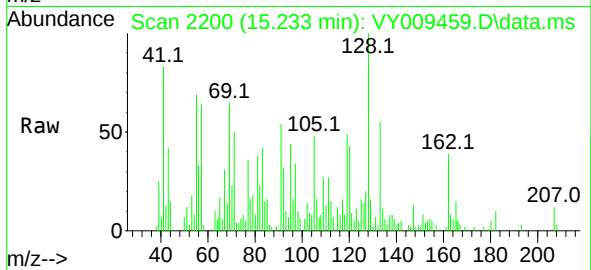
Tgt Ion: 117 Resp: 4922
Ion Ratio Lower Upper
117 100
201 0.0 43.0 128.8#





#95
Naphthalene
Concen: 1.005 ug/l
RT: 15.233 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY009459.D
Acq: 06 Jul 2022 17:15

Instrument :
MSVOA_Y
ClientSampleId :
OE-2-070622



Tgt Ion:128 Resp: 6210
Ion Ratio Lower Upper
128 100
127 26.5 11.0 16.4#
129 10.6 8.4 12.6

