

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071322\
 Data File : VY009554.D
 Acq On : 13 Jul 2022 13:21
 Operator : KP/MD
 Sample : N3597-04RE
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 20220509-COMPOSITE-DRE

Quant Time: Jul 14 02:43:59 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y070722S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 08 11:00:56 2022
 Response via : Initial Calibration

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

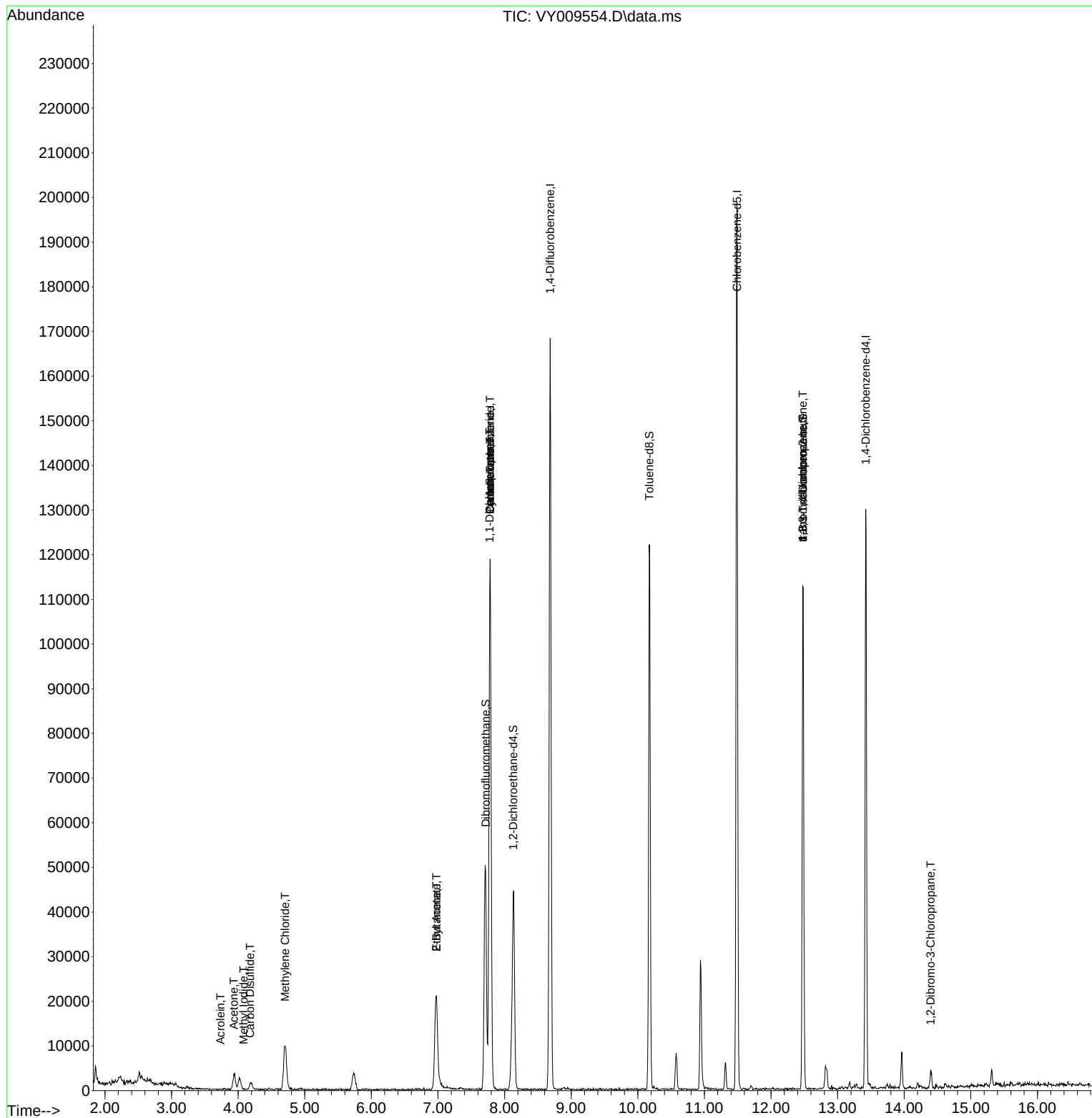
Internal Standards						
1) Pentafluorobenzene	7.783	168	97395	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	148729	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	112515	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	34993	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	30982	44.438	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	88.880%
35) Dibromofluoromethane	7.716	113	35311	45.122	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	90.240%
50) Toluene-d8	10.173	98	80286	34.979	ug/l	0.00
Spiked Amount	50.000	Range	78 - 125	Recovery	=	69.960%#
62) 4-Bromofluorobenzene	12.477	95	30738	27.826	ug/l	0.00
Spiked Amount	50.000	Range	50 - 146	Recovery	=	55.660%
Target Compounds						Qvalue
10) Methyl Iodide	4.082	142	90	4.234	ug/l #	58
11) Tert butyl alcohol	4.942	59	427	Below Cal	#	77
13) Acrolein	3.735	56	45	30.751	ug/l #	78
16) Acetone	3.936	43	5824	24.581	ug/l	95
17) Carbon Disulfide	4.180	76	1659	4.993	ug/l #	75
20) Methylene Chloride	4.704	84	7629	2.291	ug/l #	77
23) Vinyl Acetate	6.192	43	20	Below Cal	#	75
25) 2-Butanone	6.978	43	2589	6.755	ug/l #	89
31) Cyclohexane	7.783	56	1940	1.214	ug/l #	23
36) 1,1-Dichloropropene	7.777	75	6688	5.249	ug/l #	50
37) Ethyl Acetate	6.978	43	2589	3.242	ug/l #	43
38) Carbon Tetrachloride	7.783	117	8767	6.434	ug/l #	14
76) 1,2,3-Trichloropropane	12.477	75	16107	43.482	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	16107	88.992	ug/l #	7
92) 1,2-Dibromo-3-Chloropr...	14.397	75	1201	14.300	ug/l #	6

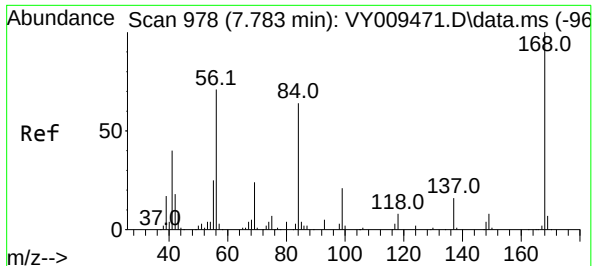
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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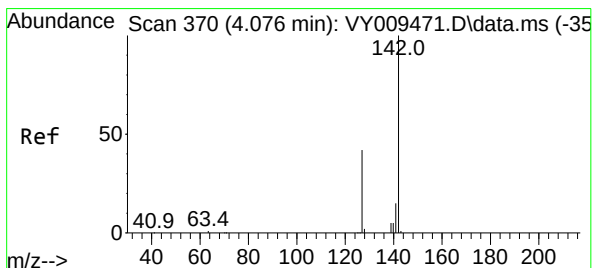
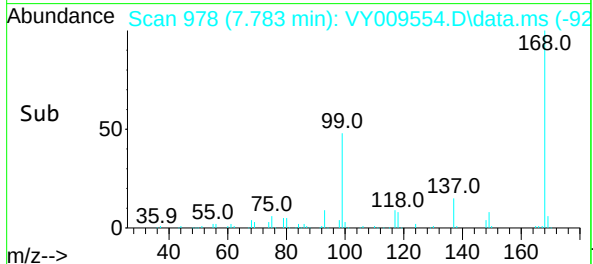
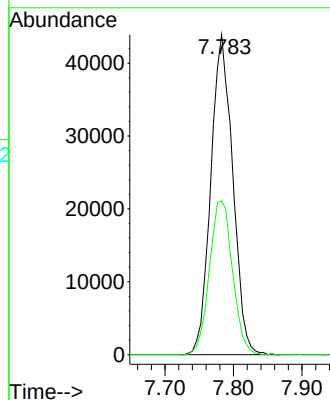
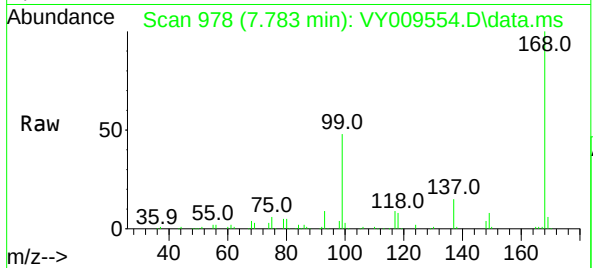




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009554.D
Acq: 13 Jul 2022 13:21

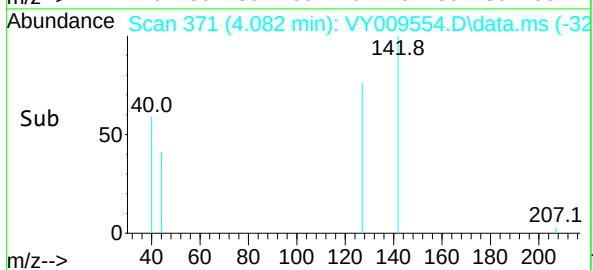
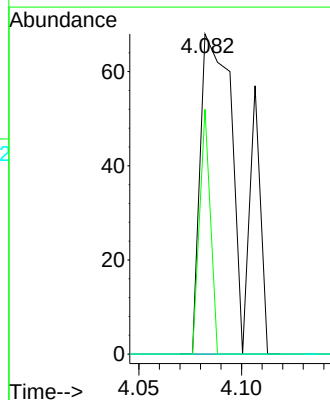
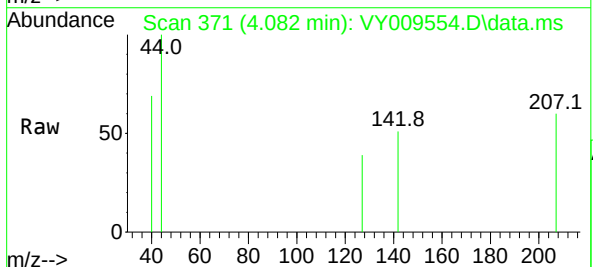
Instrument :
MSVOA_Y
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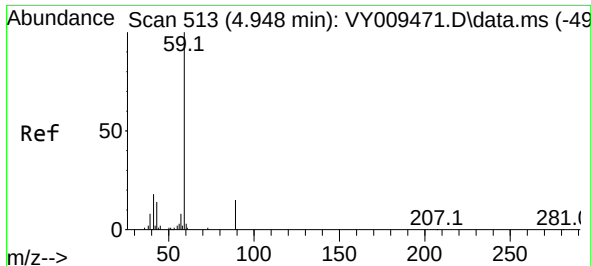
Tgt Ion:168 Resp: 97395
Ion Ratio Lower Upper
168 100
99 48.1 46.9 70.3



#10
Methyl Iodide
Concen: 4.234 ug/l
RT: 4.082 min Scan# 371
Delta R.T. 0.006 min
Lab File: VY009554.D
Acq: 13 Jul 2022 13:21

Tgt Ion:142 Resp: 90
Ion Ratio Lower Upper
142 100
127 21.1 41.5 62.3#
141 0.0 11.9 17.9#

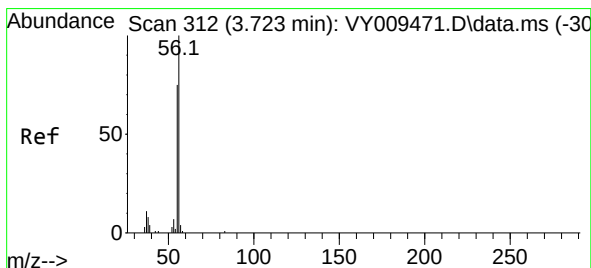
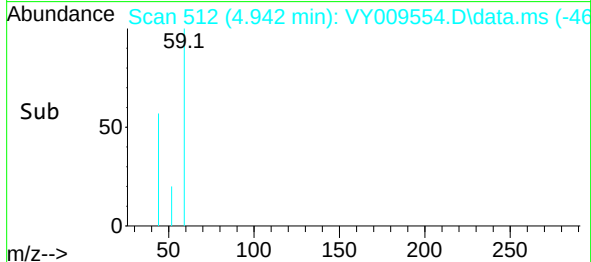
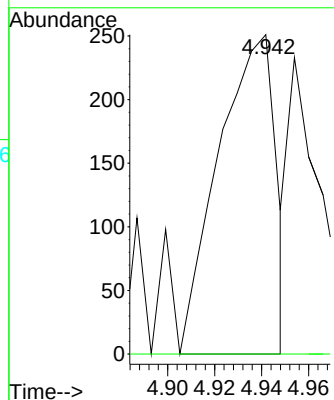
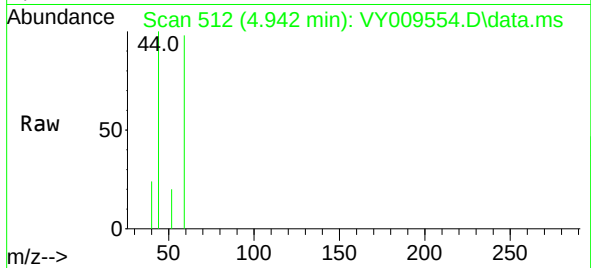




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.942 min Scan# 51
Delta R.T. -0.006 min
Lab File: VY009554.D
Acq: 13 Jul 2022 13:21

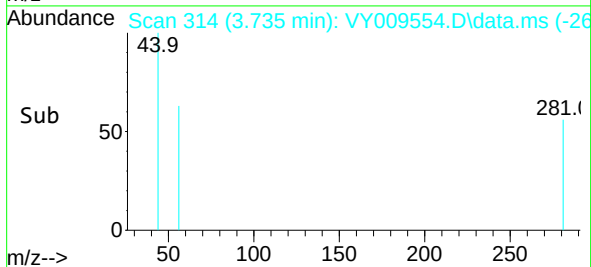
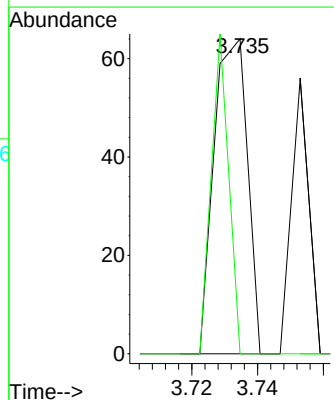
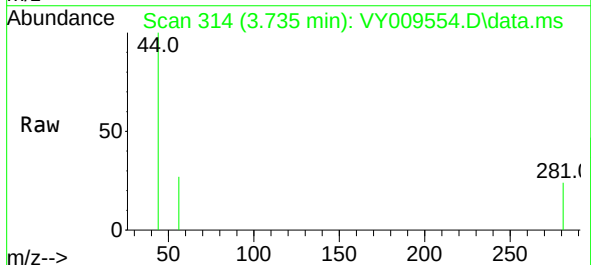
Instrument :
MSVOA_Y
ClientSampleId :
20220509-COMPOSITE-DRE

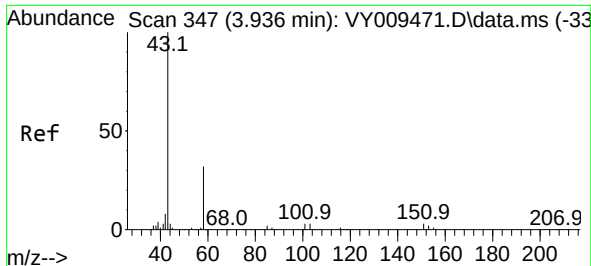
Tgt Ion: 59 Resp: 427
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#



#13
Acrolein
Concen: 30.751 ug/l
RT: 3.735 min Scan# 314
Delta R.T. 0.012 min
Lab File: VY009554.D
Acq: 13 Jul 2022 13:21

Tgt Ion: 56 Resp: 45
Ion Ratio Lower Upper
56 100
55 53.3 57.6 86.4#





#16

Acetone

Concen: 24.581 ug/l

RT: 3.936 min Scan# 34

Delta R.T. -0.000 min

Lab File: VY009554.D

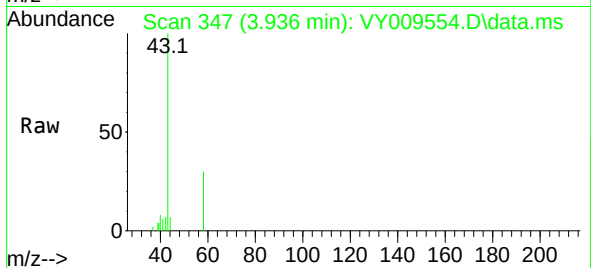
Acq: 13 Jul 2022 13:21

Instrument :

MSVOA_Y

ClientSampleId :

20220509-COMPOSITE-DRE

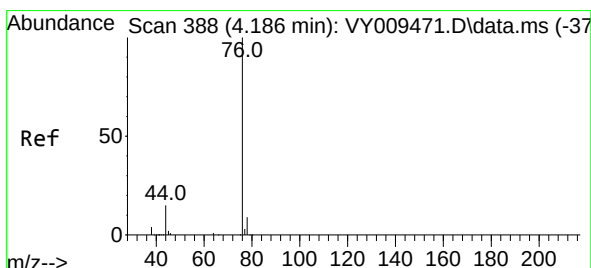
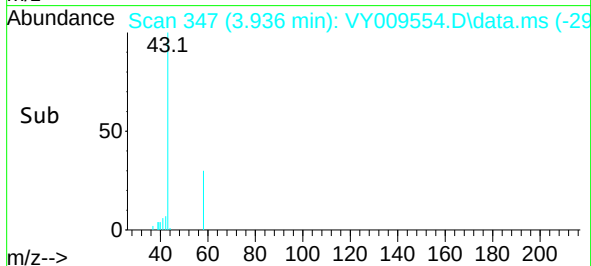
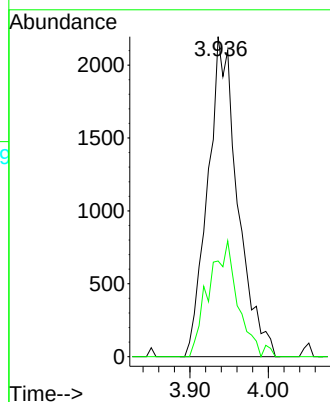


Tgt Ion: 43 Resp: 5824

Ion Ratio Lower Upper

43 100

58 29.9 22.0 33.0



#17

Carbon Disulfide

Concen: 4.993 ug/l

RT: 4.180 min Scan# 387

Delta R.T. -0.006 min

Lab File: VY009554.D

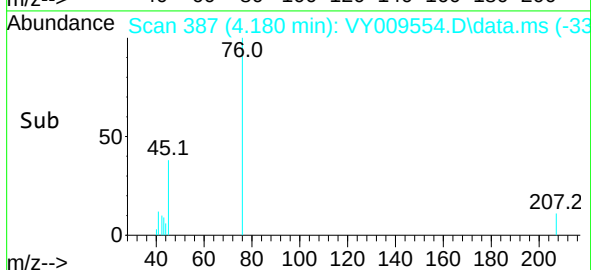
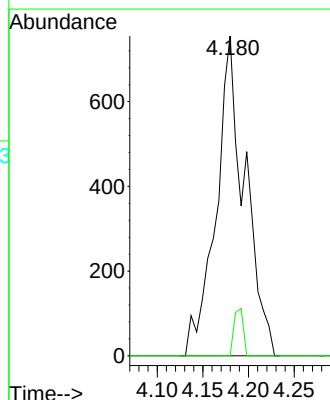
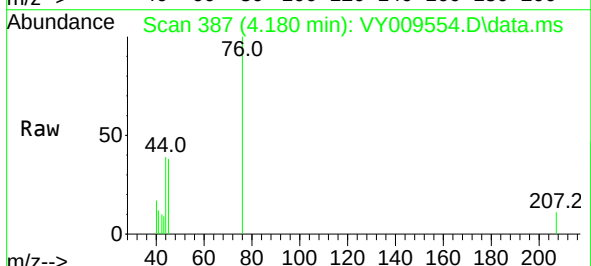
Acq: 13 Jul 2022 13:21

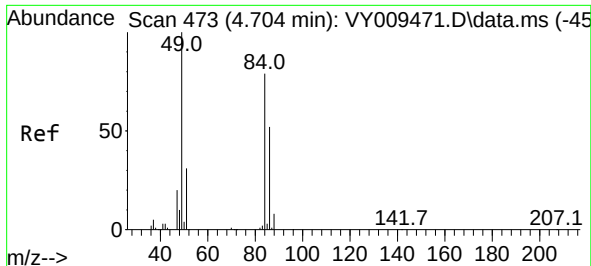
Tgt Ion: 76 Resp: 1659

Ion Ratio Lower Upper

76 100

78 0.0 7.4 11.0#

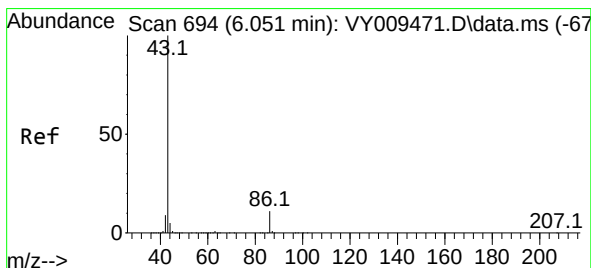
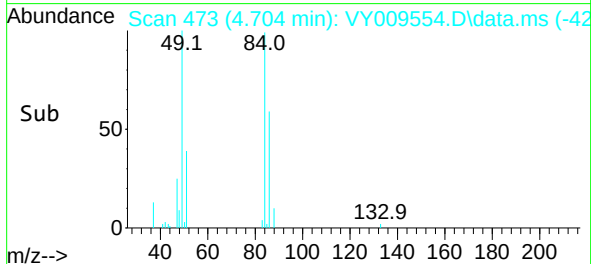
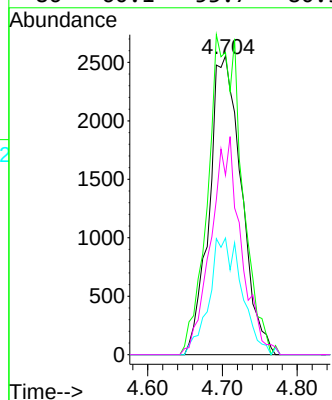
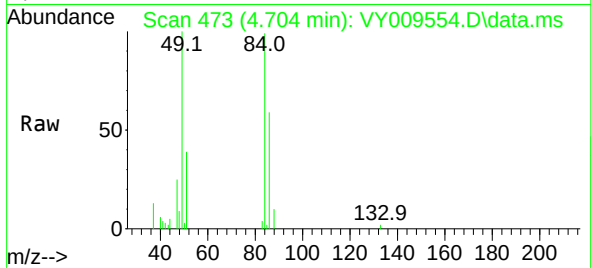




#20
Methylene Chloride
Concen: 2.291 ug/l
RT: 4.704 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY009554.D
Acq: 13 Jul 2022 13:21

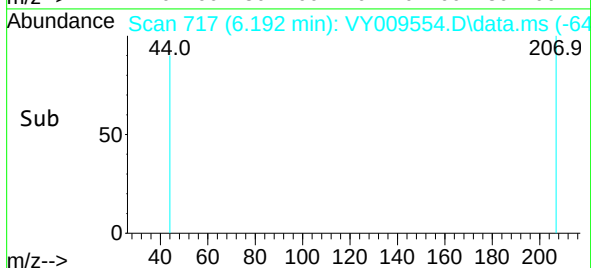
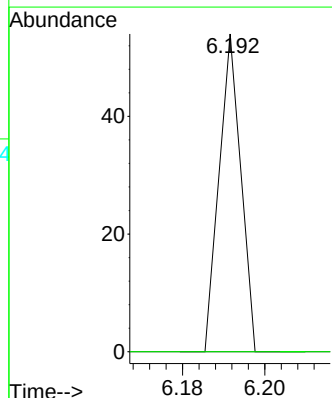
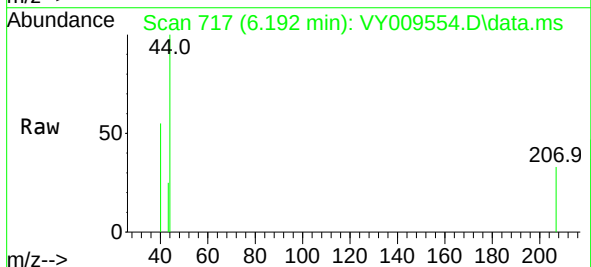
Instrument :
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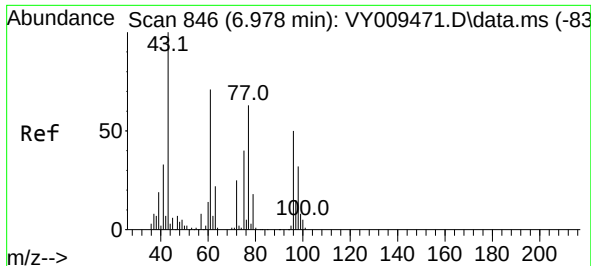
Tgt Ion: 84 Resp: 7629
Ion Ratio Lower Upper
84 100
49 101.2 114.4 171.6#
51 39.1 35.3 52.9
86 60.1 53.7 80.5



#23
Vinyl Acetate
Concen: Below Cal
RT: 6.192 min Scan# 717
Delta R.T. 0.141 min
Lab File: VY009554.D
Acq: 13 Jul 2022 13:21

Tgt Ion: 43 Resp: 20
Ion Ratio Lower Upper
43 100
86 0.0 7.1 10.7#

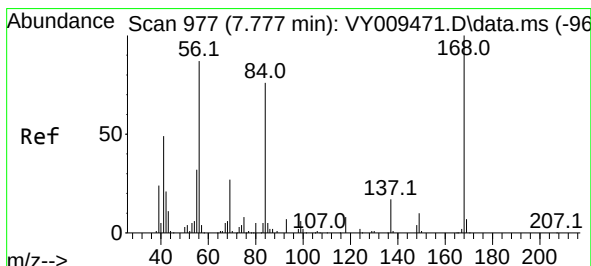
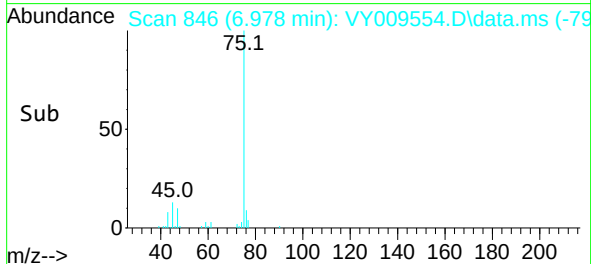
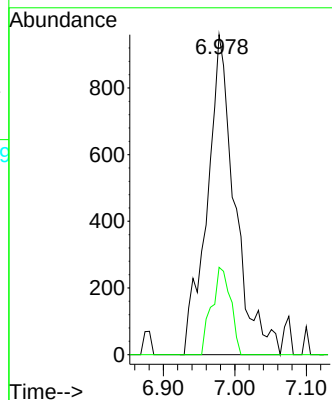
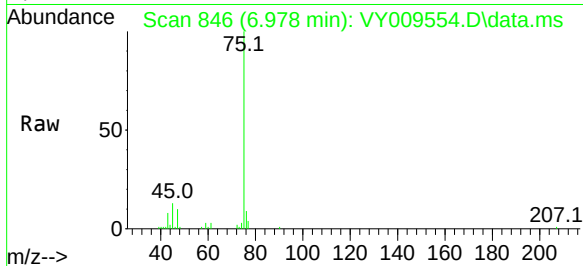




#25
2-Butanone
Concen: 6.755 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.000 min
Lab File: VY009554.D
Acq: 13 Jul 2022 13:21

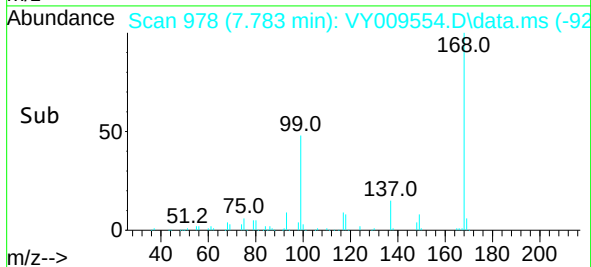
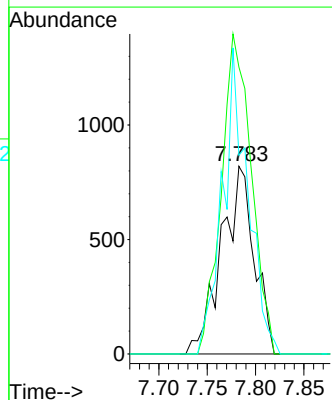
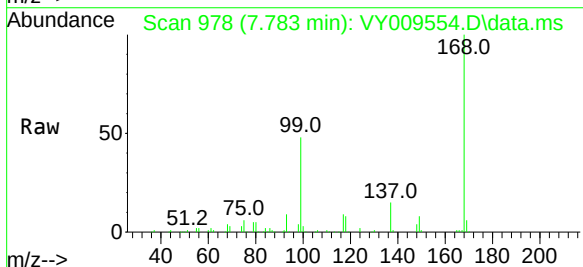
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20220509-COMPOSITE-DRE

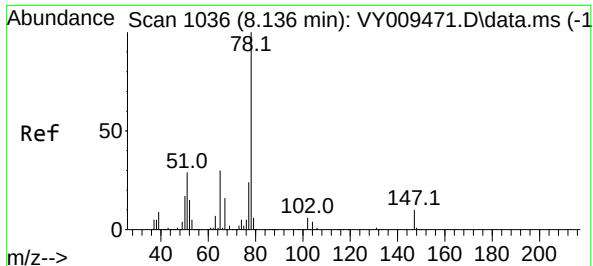
Tgt Ion: 43 Resp: 2589
Ion Ratio Lower Upper
43 100
72 27.3 17.7 26.5#



#31
Cyclohexane
Concen: 1.214 ug/l
RT: 7.783 min Scan# 978
Delta R.T. 0.006 min
Lab File: VY009554.D
Acq: 13 Jul 2022 13:21

Tgt Ion: 56 Resp: 1940
Ion Ratio Lower Upper
56 100
69 152.8 26.7 40.1#
84 105.9 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 44.438 ug/l

RT: 8.130 min Scan# 1103

Delta R.T. -0.006 min

Lab File: VY009554.D

Acq: 13 Jul 2022 13:21

Instrument :

MSVOA_Y

ClientSampleId :

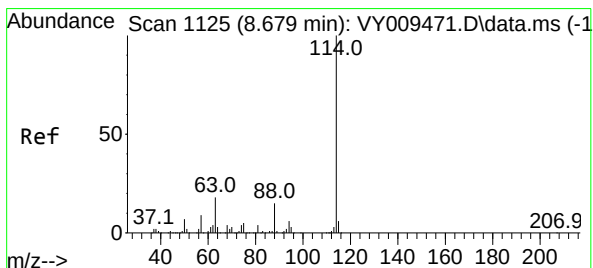
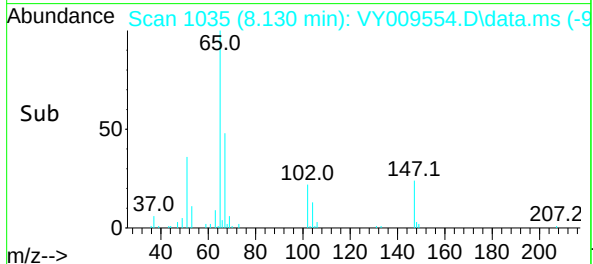
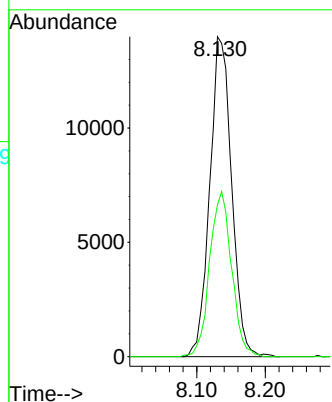
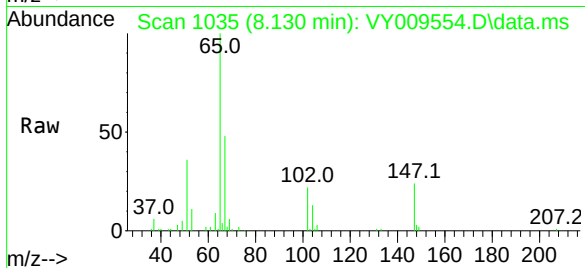
20220509-COMPOSITE-DRE

Tgt Ion: 65 Resp: 30982

Ion Ratio Lower Upper

65 100

67 52.0 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VY009554.D

Acq: 13 Jul 2022 13:21

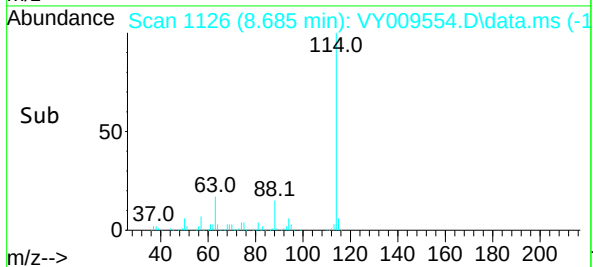
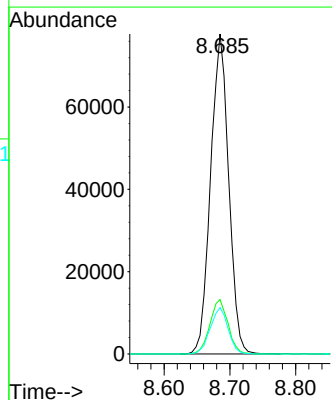
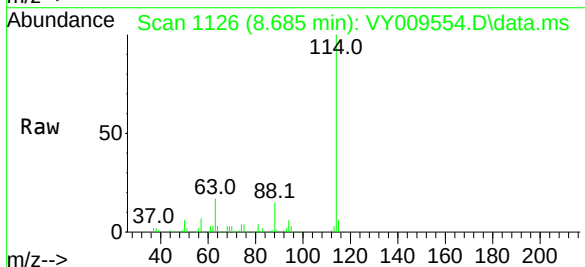
Tgt Ion: 114 Resp: 148729

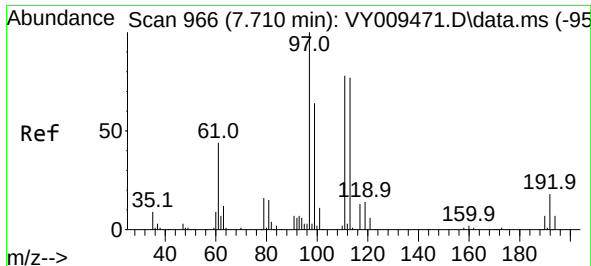
Ion Ratio Lower Upper

114 100

63 17.0 0.0 43.2

88 14.5 0.0 31.8

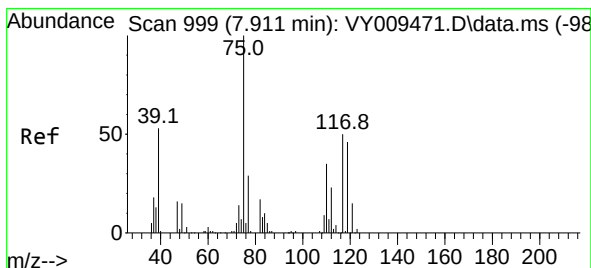
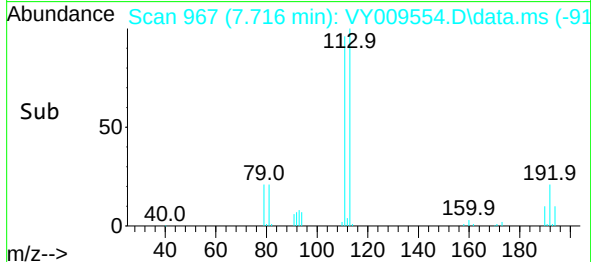
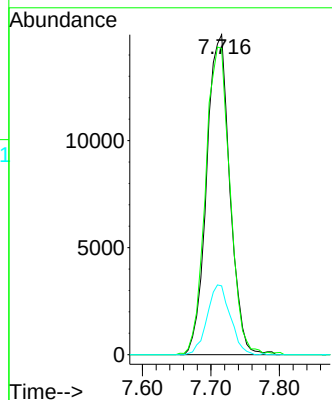
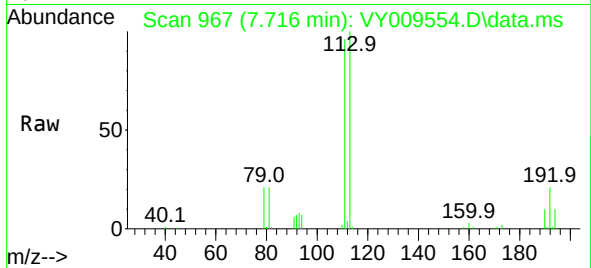




#35
Dibromofluoromethane
Concen: 45.122 ug/l
RT: 7.716 min Scan# 90
Delta R.T. 0.006 min
Lab File: VY009554.D
Acq: 13 Jul 2022 13:21

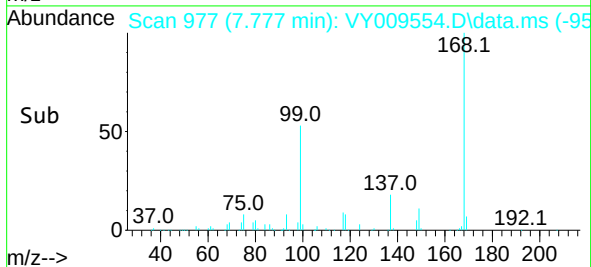
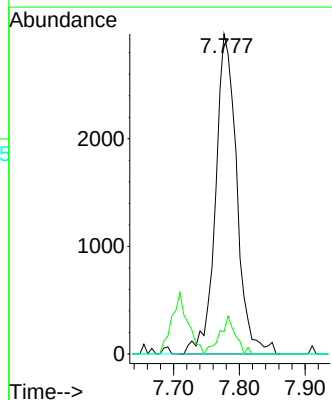
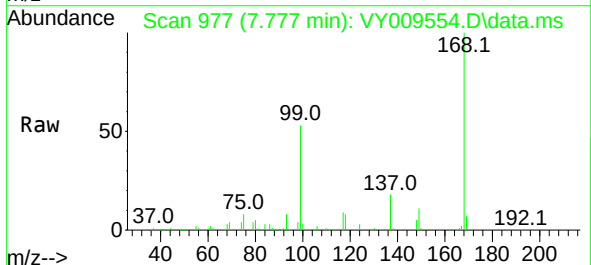
Instrument :
MSVOA_Y
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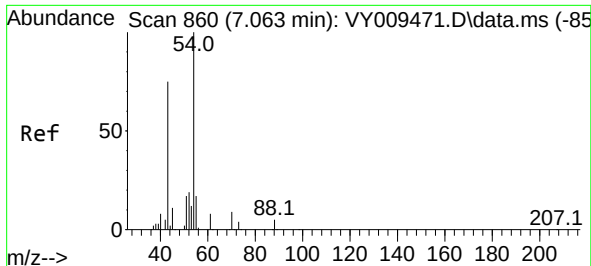
Tgt Ion:113 Resp: 35311
Ion Ratio Lower Upper
113 100
111 101.2 82.6 124.0
192 21.7 17.6 26.4



#36
1,1-Dichloropropene
Concen: 5.249 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.134 min
Lab File: VY009554.D
Acq: 13 Jul 2022 13:21

Tgt Ion: 75 Resp: 6688
Ion Ratio Lower Upper
75 100
110 8.7 17.1 51.2#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 3.242 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.085 min

Lab File: VY009554.D

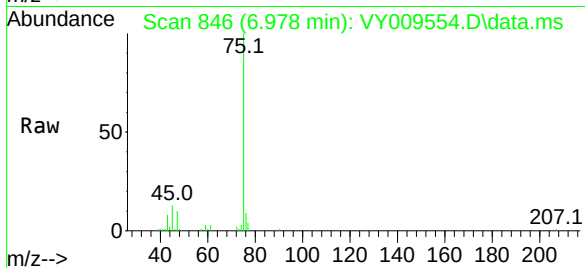
Acq: 13 Jul 2022 13:21

Instrument :

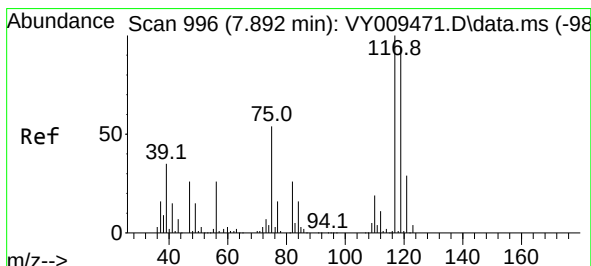
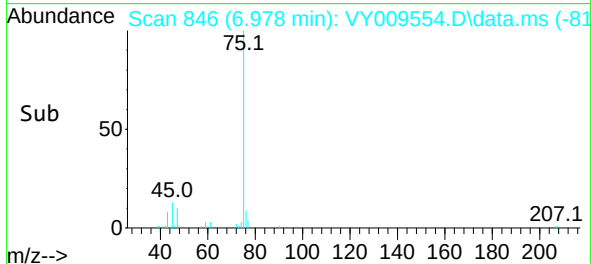
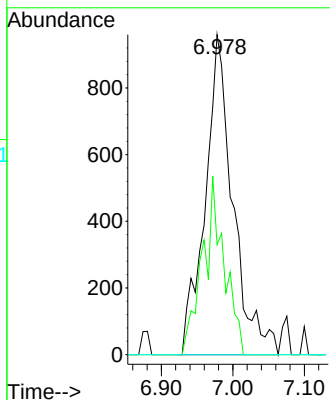
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Tgt Ion:	43	Resp:	2589
Ion	Ratio	Lower	Upper
43	100		
61	43.2	9.7	14.5#
70	0.0	7.1	10.7#



#38

Carbon Tetrachloride

Concen: 6.434 ug/l

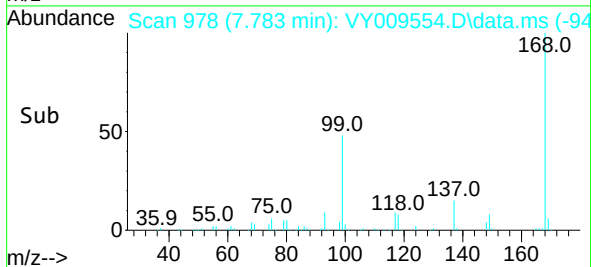
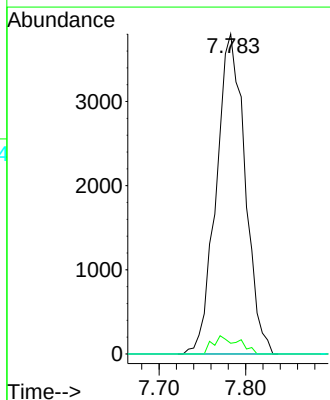
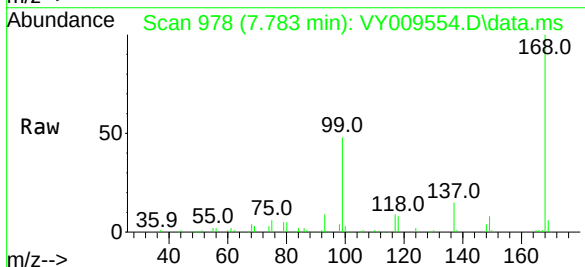
RT: 7.783 min Scan# 978

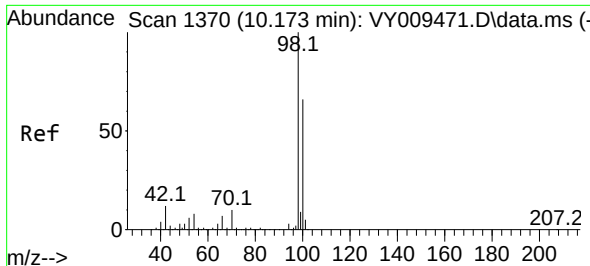
Delta R.T. -0.109 min

Lab File: VY009554.D

Acq: 13 Jul 2022 13:21

Tgt Ion:	117	Resp:	8767
Ion	Ratio	Lower	Upper
117	100		
119	3.4	77.9	116.9#
121	0.0	24.8	37.2#

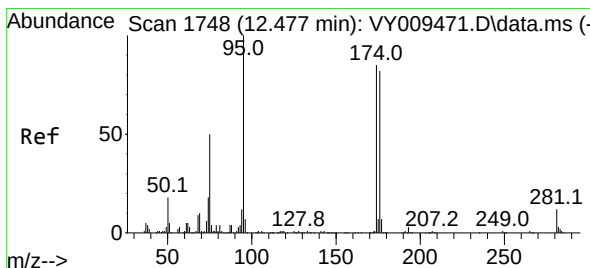
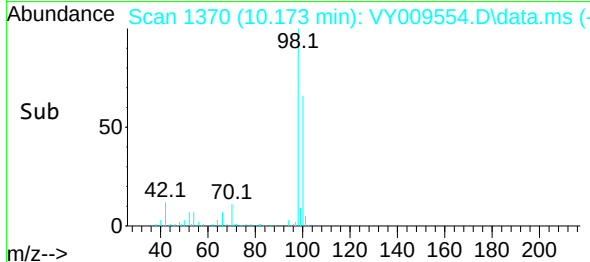
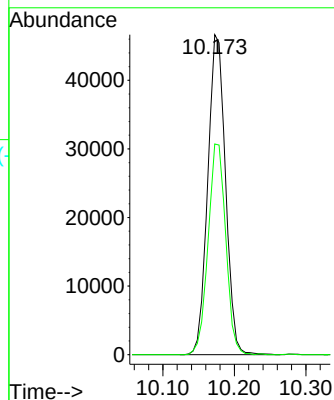
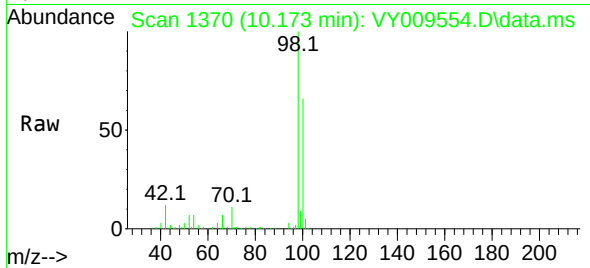




#50
Toluene-d8
Concen: 34.979 ug/l
RT: 10.173 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY009554.D
Acq: 13 Jul 2022 13:21

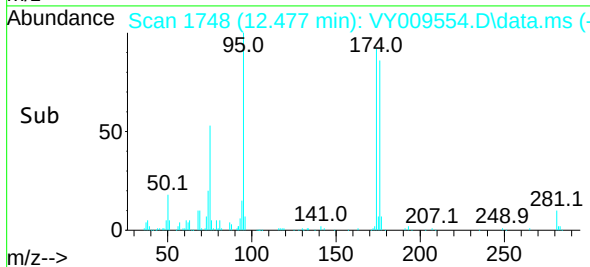
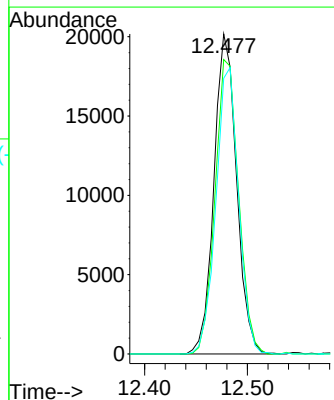
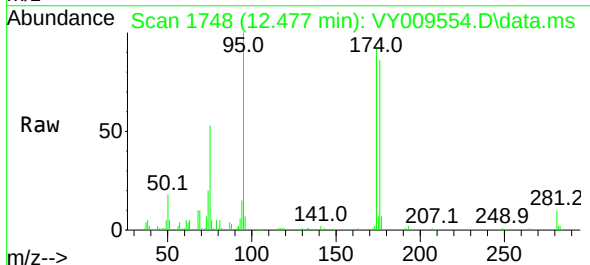
Instrument :
MSVOA_Y
ClientSampleId :
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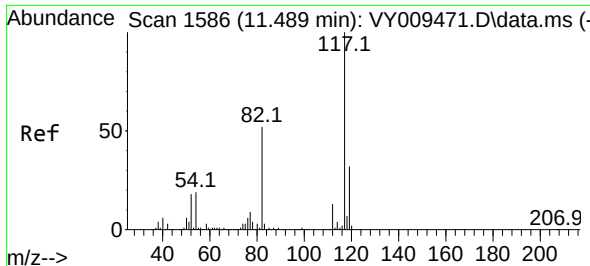
Tgt Ion: 98 Resp: 80286
Ion Ratio Lower Upper
98 100
100 65.6 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 27.826 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY009554.D
Acq: 13 Jul 2022 13:21

Tgt Ion: 95 Resp: 30738
Ion Ratio Lower Upper
95 100
174 95.7 0.0 177.0
176 89.9 0.0 175.8

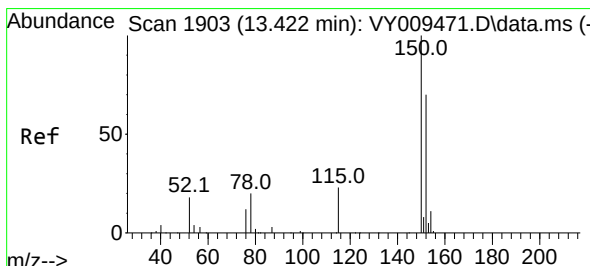
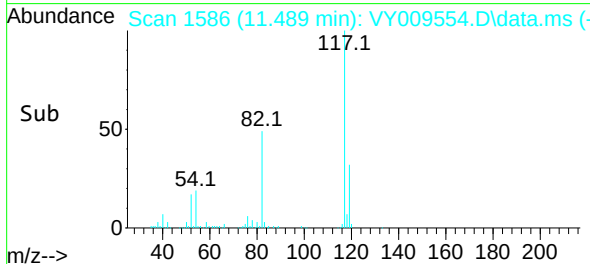
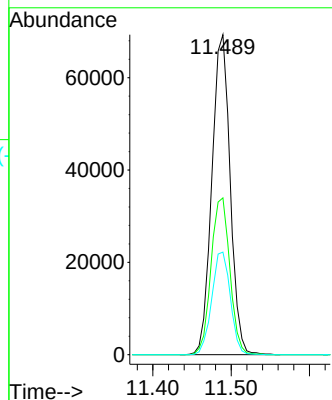
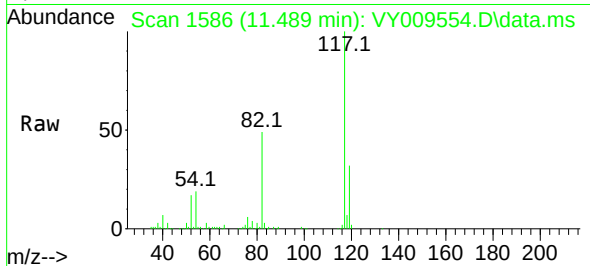




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY009554.D
Acq: 13 Jul 2022 13:21

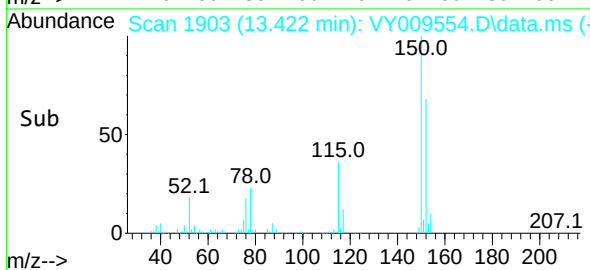
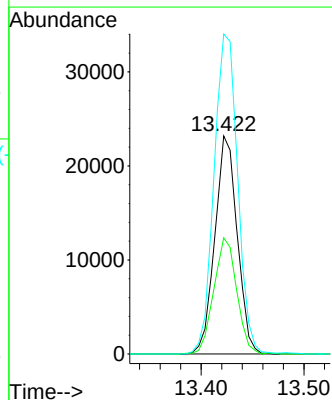
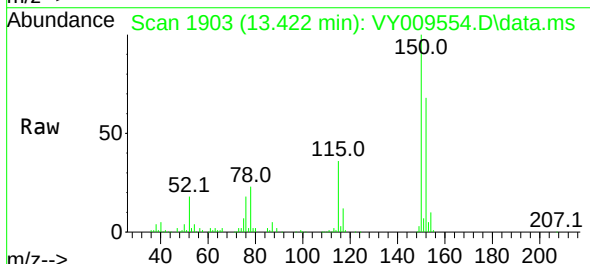
Instrument :
MSVOA_Y
ClientSampleId :
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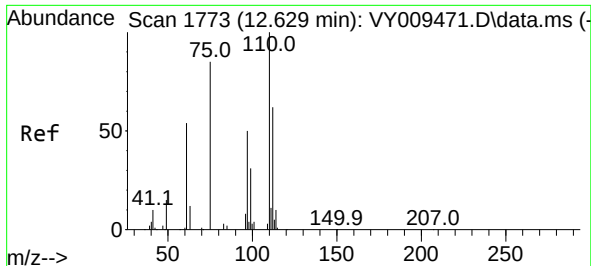
Tgt Ion:117 Resp: 112515
Ion Ratio Lower Upper
117 100
82 49.0 43.0 64.4
119 32.0 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY009554.D
Acq: 13 Jul 2022 13:21

Tgt Ion:152 Resp: 34993
Ion Ratio Lower Upper
152 100
115 54.5 28.2 84.7
150 155.1 0.0 347.6

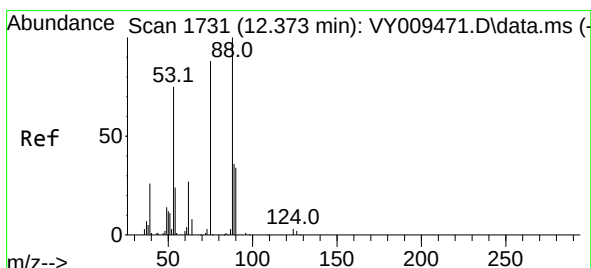
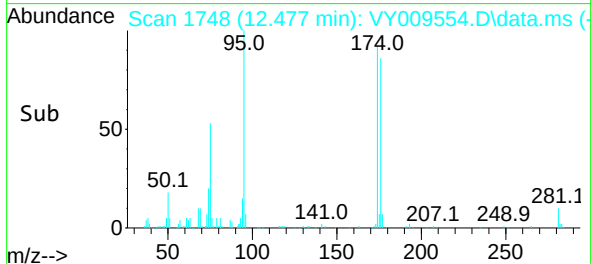
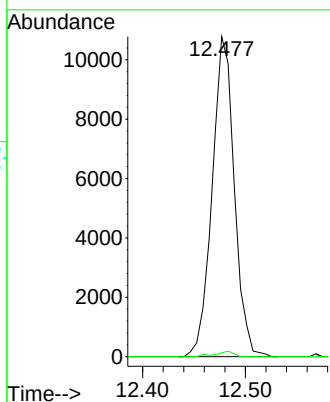
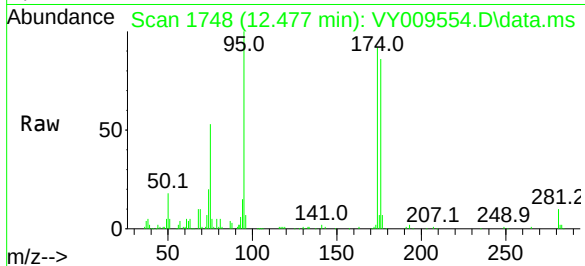




#76
1,2,3-Trichloropropane
Concen: 43.482 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY009554.D
Acq: 13 Jul 2022 13:21

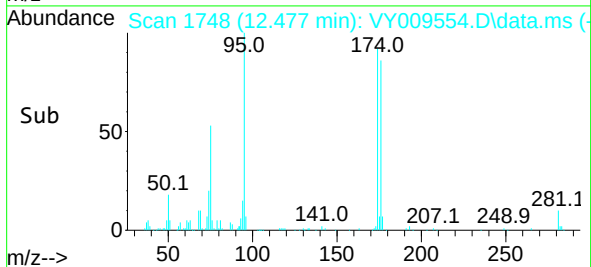
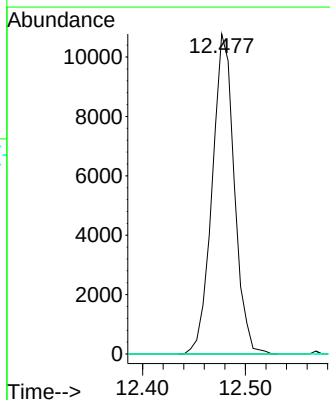
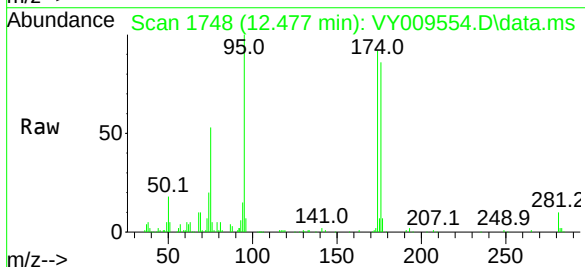
Instrument :
MSVOA_Y
ClientSampleId :
20220509-COMPOSITE-DRE

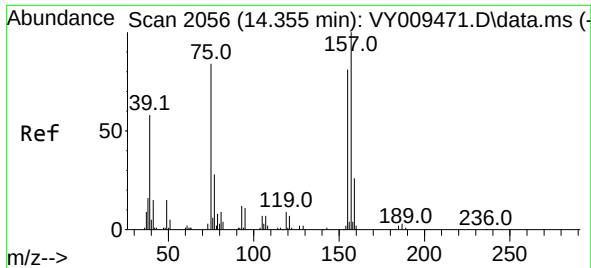
Tgt Ion: 75 Resp: 16107
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 88.992 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY009554.D
Acq: 13 Jul 2022 13:21

Tgt Ion: 75 Resp: 16107
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#





#92

1,2-Dibromo-3-Chloropropane

Concen: 14.300 ug/l

RT: 14.397 min Scan# 20

Delta R.T. 0.042 min

Lab File: VY009554.D

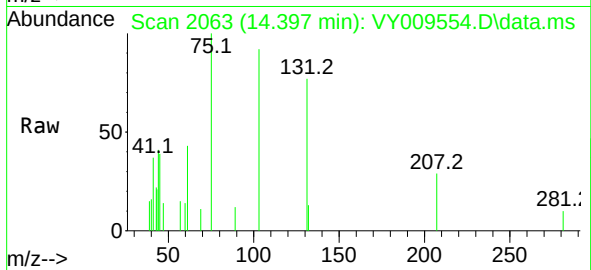
Acq: 13 Jul 2022 13:21

Instrument :

MSVOA_Y

ClientSampleId :

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Tgt Ion: 75 Resp: 1201

Ion Ratio Lower Upper

75 100

155 0.0 38.0 113.9#

157 0.0 47.8 143.3#

