

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041322\
 Data File : VY008312.D
 Acq On : 13 Apr 2022 15:03
 Operator : KP/MD
 Sample : N2349-13
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 DEL-7

Quant Time: Apr 14 05:56:54 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y040822S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 08 16:02:50 2022
 Response via : Initial Calibration

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

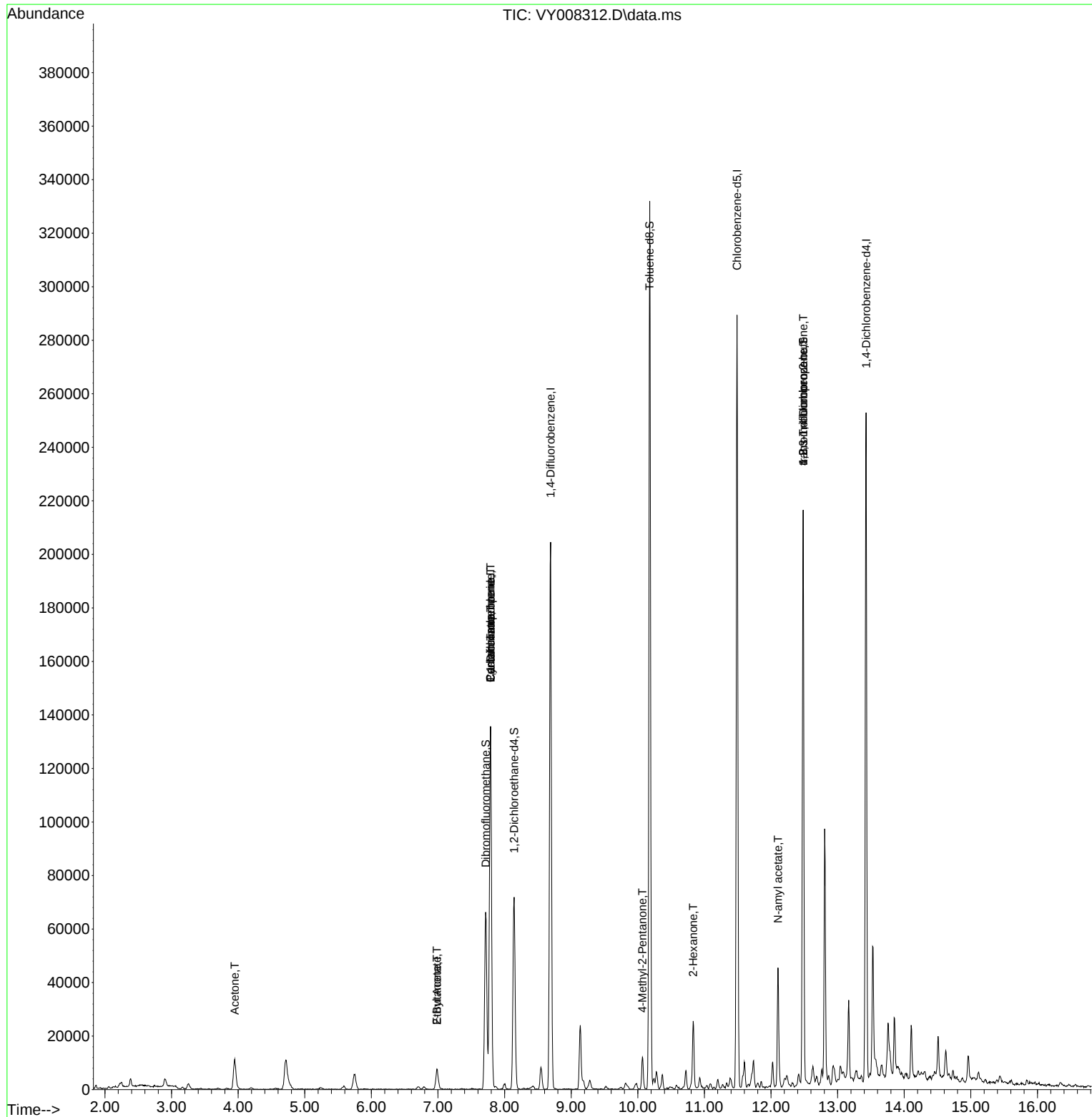
Internal Standards						
1) Pentafluorobenzene	7.789	168	104209	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	182404	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	158781	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	62781	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	53968	55.134	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 110.260%	
35) Dibromofluoromethane	7.716	113	47186	44.788	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 89.580%	
50) Toluene-d8	10.179	98	214644	59.541	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 119.080%	
62) 4-Bromofluorobenzene	12.483	95	64797	47.788	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 95.580%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.107	50	218	Below Cal	#	44
5) Bromomethane	2.656	94	117	Below Cal	#	71
16) Acetone	3.948	43	19194	81.524	ug/l #	87
18) Methyl Acetate	4.472	43	125	Below Cal	#	56
20) Methylene Chloride	4.722	84	8745	Below Cal	#	71
25) 2-Butanone	6.984	43	12186	33.101	ug/l #	79
31) Cyclohexane	7.789	56	2993	1.691	ug/l #	21
36) 1,1-Dichloropropene	7.789	75	8111	4.821	ug/l #	51
37) Ethyl Acetate	6.984	43	12186	14.048	ug/l #	72
38) Carbon Tetrachloride	7.789	117	10215	5.644	ug/l #	17
51) 4-Methyl-2-Pentanone	10.069	43	7634	9.183	ug/l #	88
59) 2-Hexanone	10.831	43	16636	29.083	ug/l	88
74) N-amyl acetate	12.105	43	24166	23.847	ug/l #	53
76) 1,2,3-Trichloropropane	12.483	75	33603	48.395	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	33603	108.283	ug/l #	8

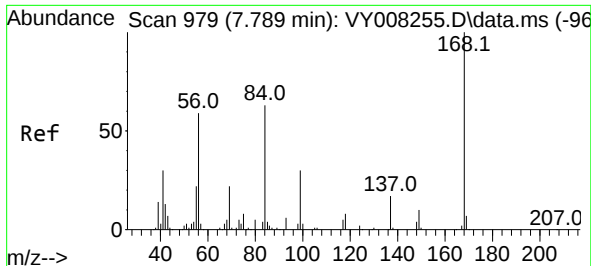
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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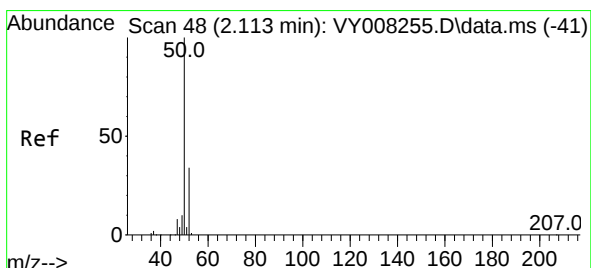
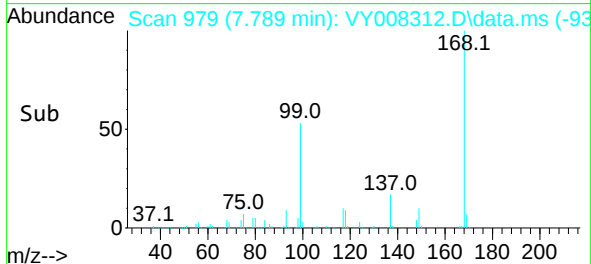
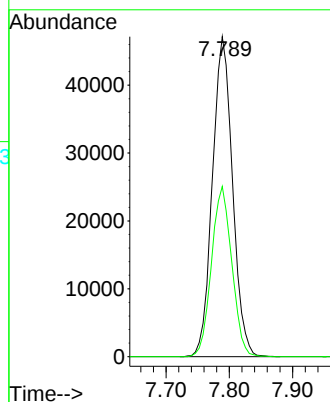
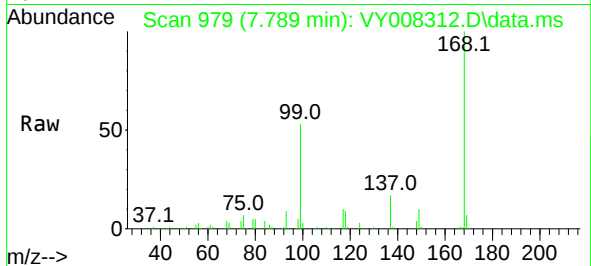




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008312.D
Acq: 13 Apr 2022 15:03

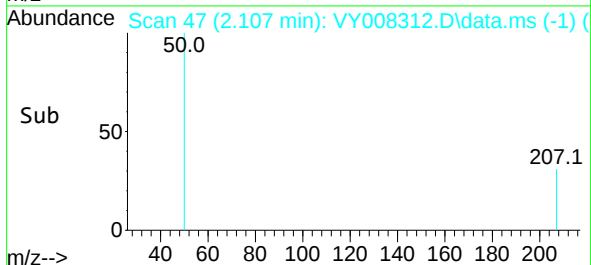
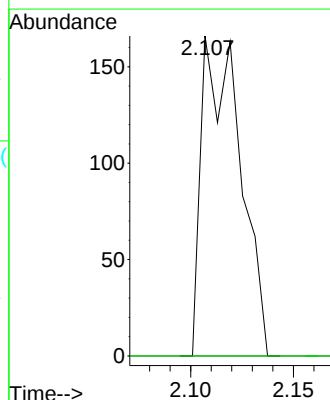
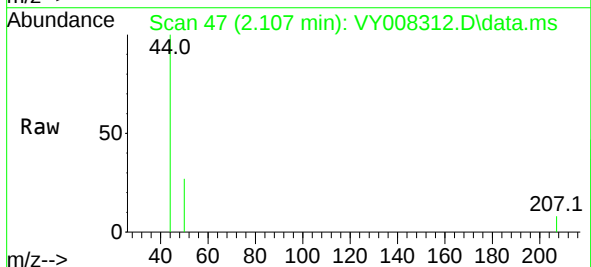
Instrument :
MSVOA_Y
ClientSampleId :
DEL-7

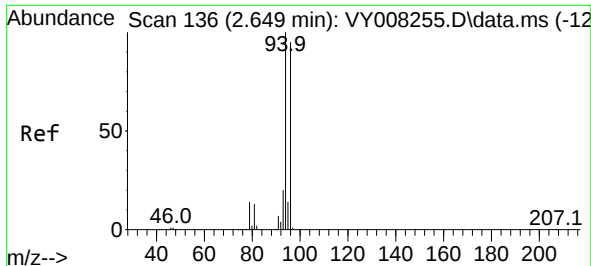
Tgt Ion:168 Resp: 104209
Ion Ratio Lower Upper
168 100
99 53.2 46.9 70.3



#3
Chloromethane
Concen: Below Cal
RT: 2.107 min Scan# 47
Delta R.T. -0.006 min
Lab File: VY008312.D
Acq: 13 Apr 2022 15:03

Tgt Ion: 50 Resp: 218
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#

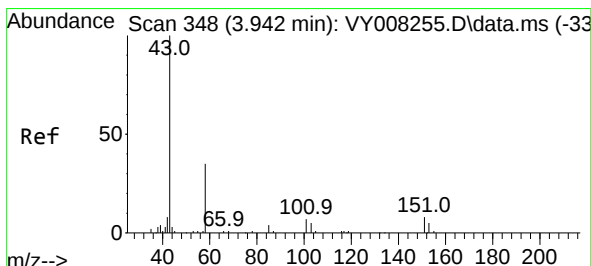
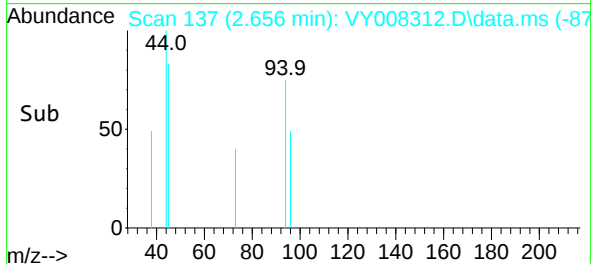
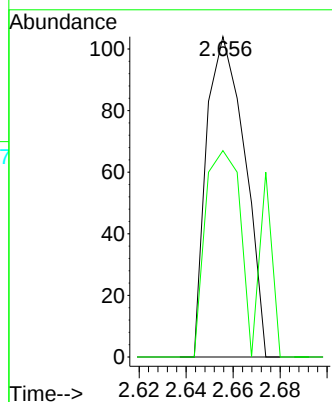
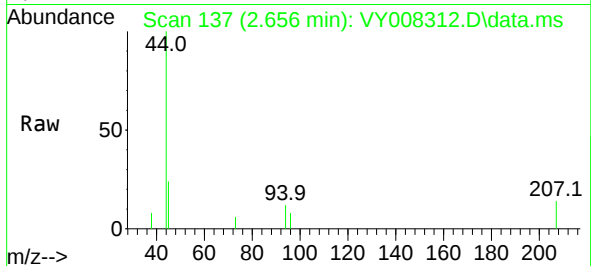




#5
Bromomethane
Concen: Below Cal
RT: 2.656 min Scan# 117
Delta R.T. 0.007 min
Lab File: VY008312.D
Acq: 13 Apr 2022 15:03

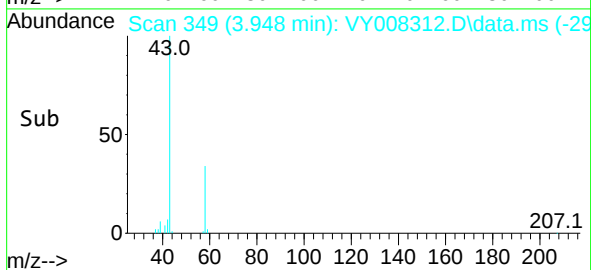
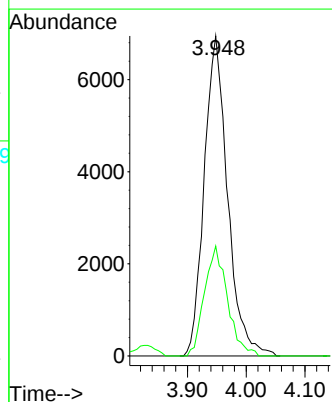
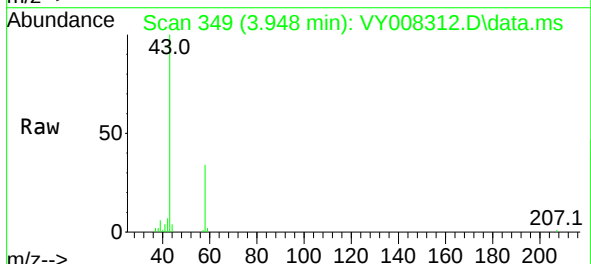
Instrument :
MSVOA_Y
ClientSampleId :
DEL-7

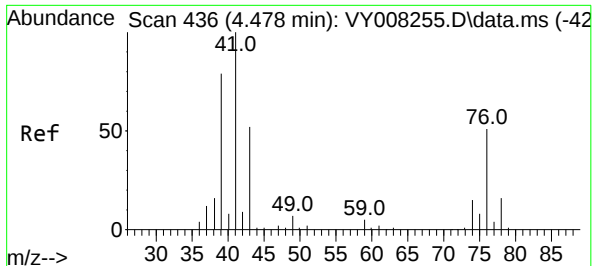
Tgt Ion: 94 Resp: 117
Ion Ratio Lower Upper
94 100
96 64.4 73.5 110.3#



#16
Acetone
Concen: 81.524 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY008312.D
Acq: 13 Apr 2022 15:03

Tgt Ion: 43 Resp: 19194
Ion Ratio Lower Upper
43 100
58 34.3 22.0 33.0#





#18

Methyl Acetate

Concen: Below Cal

RT: 4.472 min Scan# 41

Delta R.T. -0.006 min

Lab File: VY008312.D

Acq: 13 Apr 2022 15:03

Instrument :

MSVOA_Y

ClientSampleId :

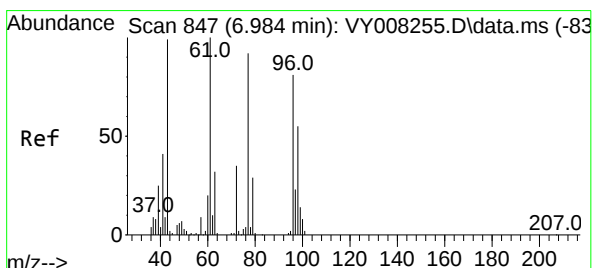
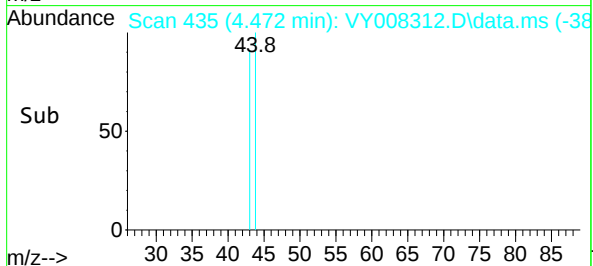
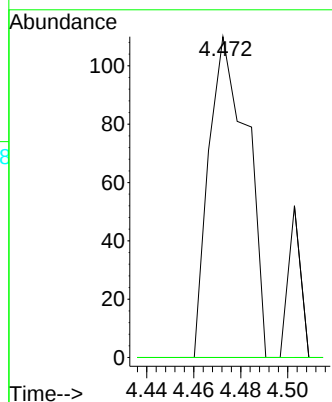
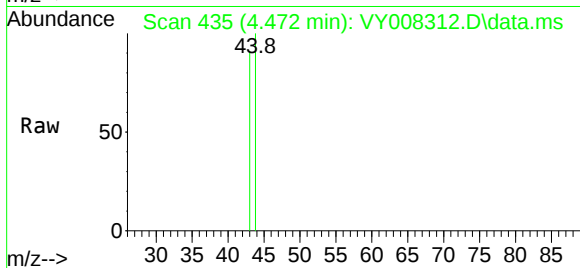
DEL-7

Tgt Ion: 43 Resp: 125

Ion Ratio Lower Upper

43 100

74 0.0 16.6 24.8#



#25

2-Butanone

Concen: 33.101 ug/l

RT: 6.984 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY008312.D

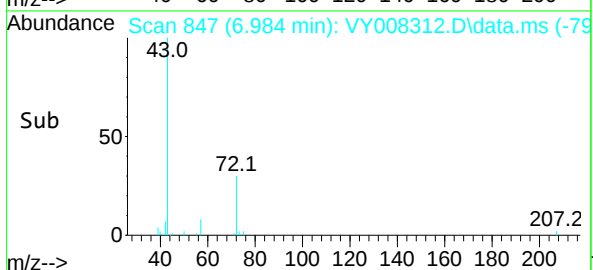
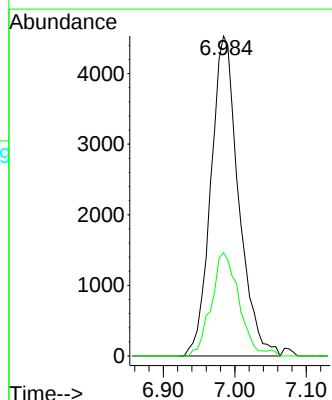
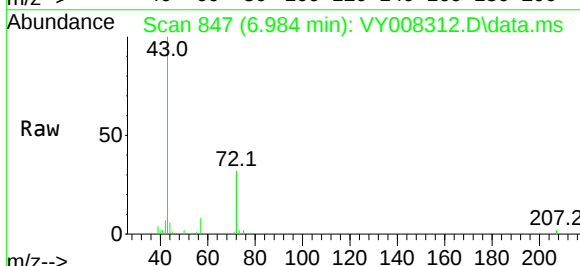
Acq: 13 Apr 2022 15:03

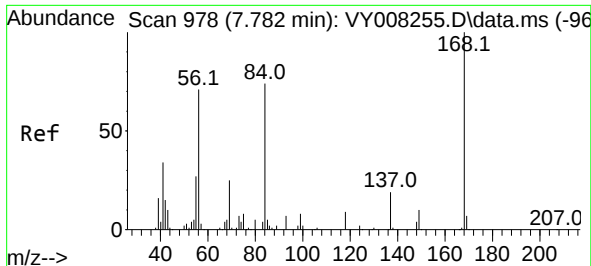
Tgt Ion: 43 Resp: 12186

Ion Ratio Lower Upper

43 100

72 32.2 17.7 26.5#

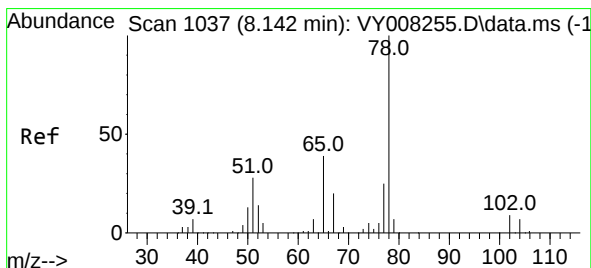
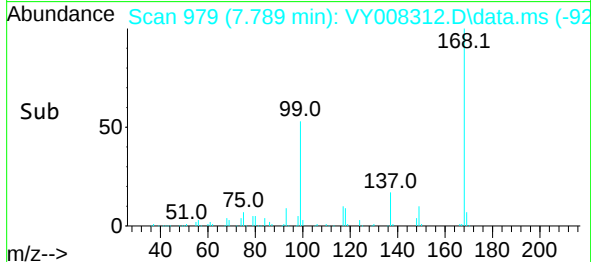
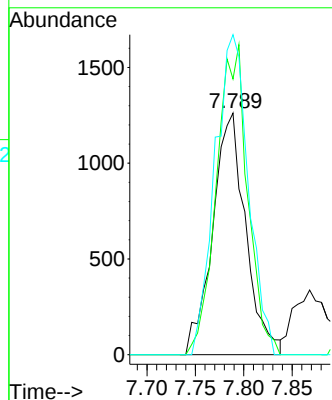
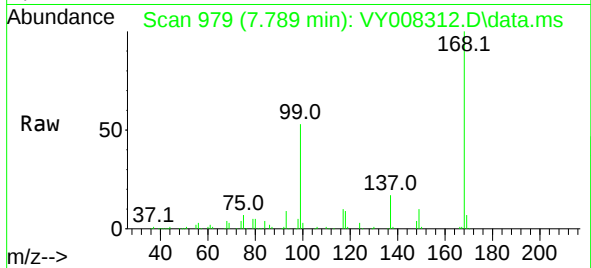




#31
Cyclohexane
Concen: 1.691 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.007 min
Lab File: VY008312.D
Acq: 13 Apr 2022 15:03

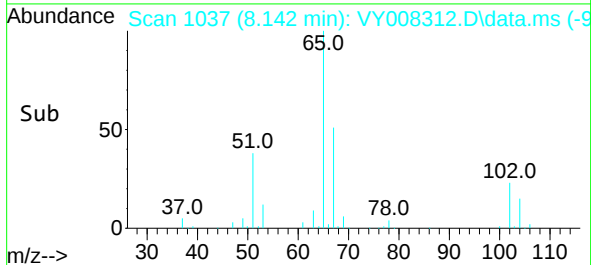
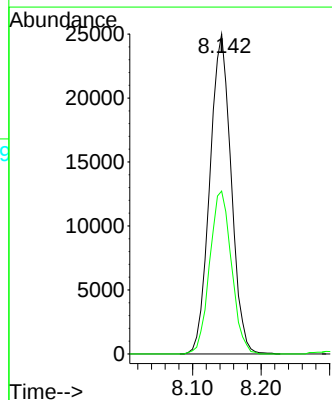
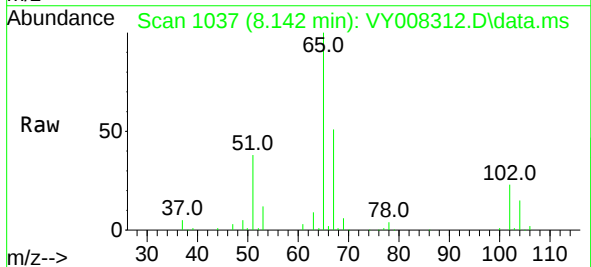
Instrument :
MSVOA_Y
ClientSampleId :
DEL-7

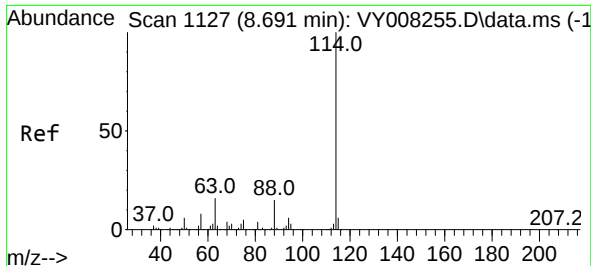
Tgt Ion: 56 Resp: 2993
Ion Ratio Lower Upper
56 100
69 114.1 26.7 40.1#
84 132.4 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 55.134 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VY008312.D
Acq: 13 Apr 2022 15:03

Tgt Ion: 65 Resp: 53968
Ion Ratio Lower Upper
65 100
67 52.1 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY008312.D

Acq: 13 Apr 2022 15:03

Instrument :

MSVOA_Y

ClientSampleId :

DEL-7

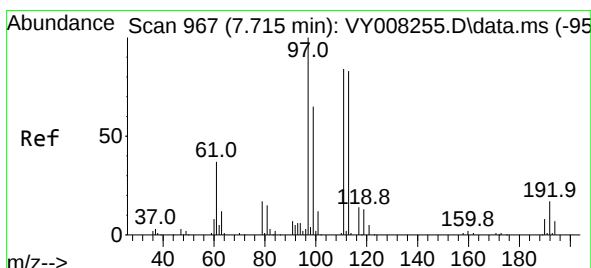
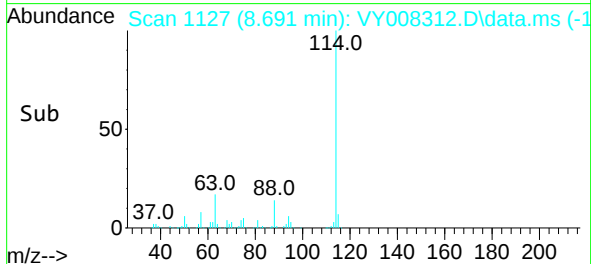
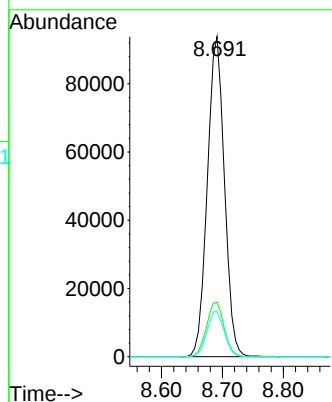
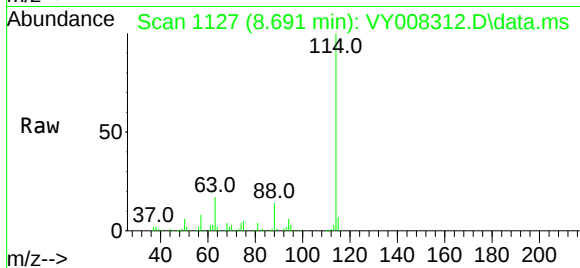
Tgt Ion:114 Resp: 182404

Ion Ratio Lower Upper

114 100

63 17.1 0.0 43.2

88 14.2 0.0 31.8



#35

Dibromofluoromethane

Concen: 44.788 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.001 min

Lab File: VY008312.D

Acq: 13 Apr 2022 15:03

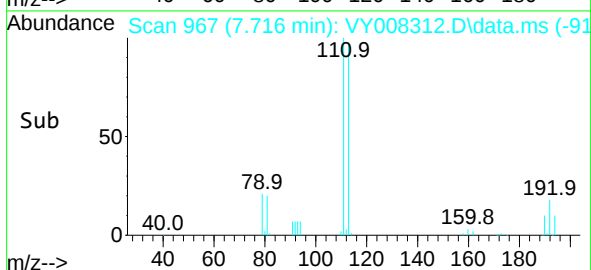
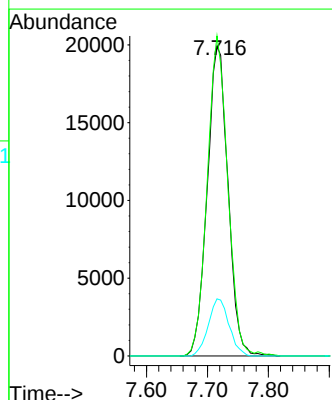
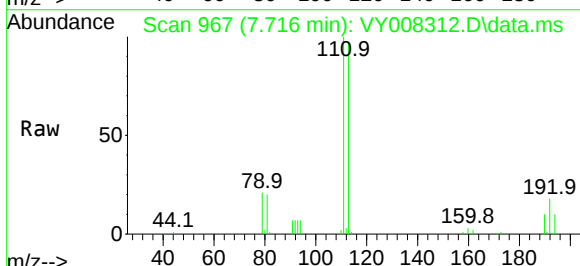
Tgt Ion:113 Resp: 47186

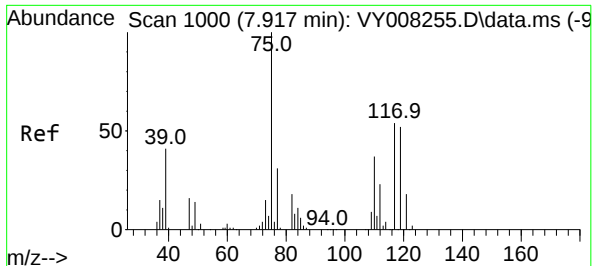
Ion Ratio Lower Upper

113 100

111 102.2 82.6 124.0

192 18.4 17.6 26.4

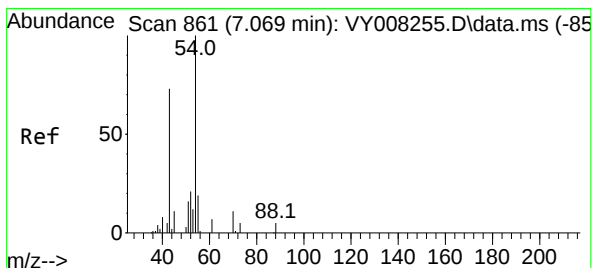
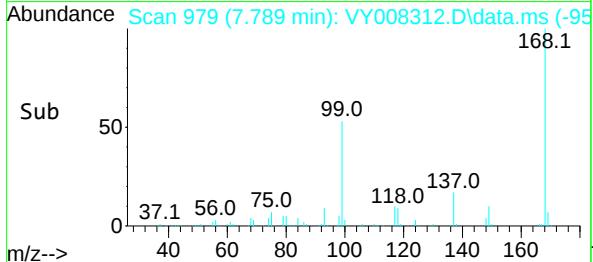
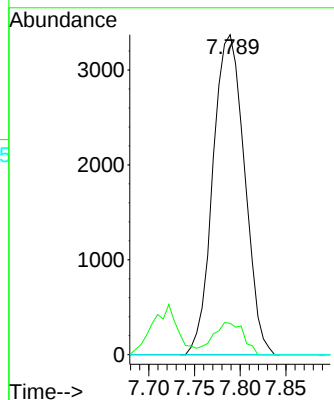
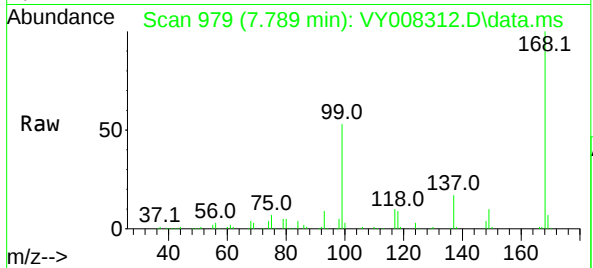




#36
1,1-Dichloropropene
Concen: 4.821 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY008312.D
Acq: 13 Apr 2022 15:03

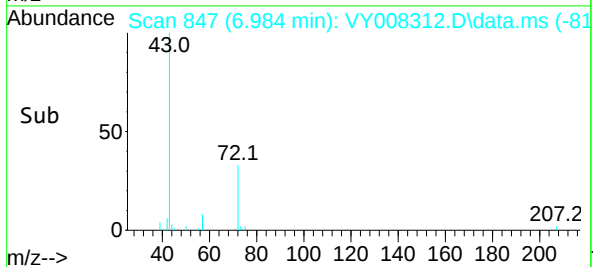
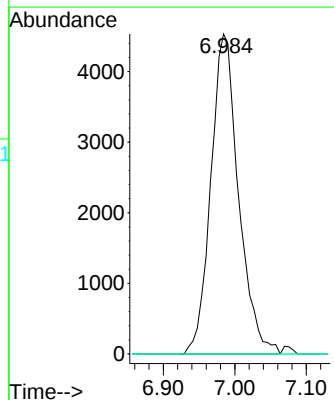
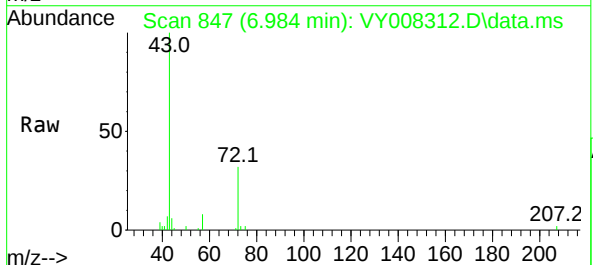
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DEL-7

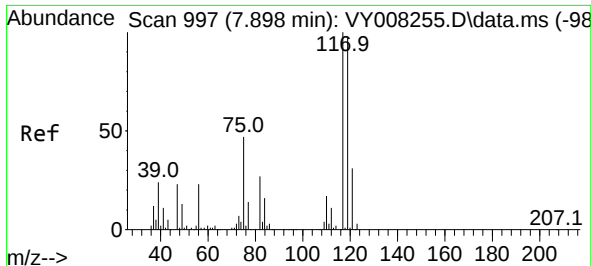
Tgt Ion: 75 Resp: 8111
Ion Ratio Lower Upper
75 100
110 9.7 17.1 51.2#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 14.048 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.085 min
Lab File: VY008312.D
Acq: 13 Apr 2022 15:03

Tgt Ion: 43 Resp: 12186
Ion Ratio Lower Upper
43 100
61 0.0 9.7 14.5#
70 0.0 7.1 10.7#

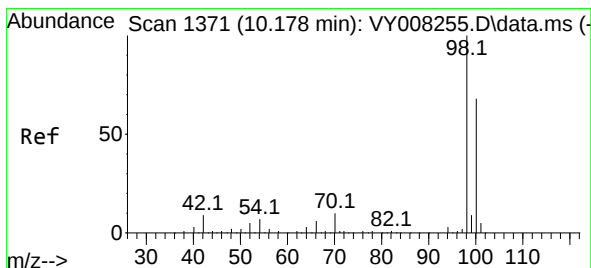
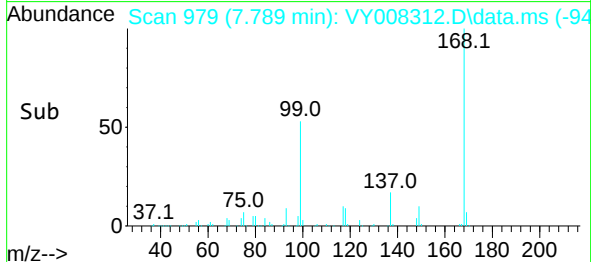
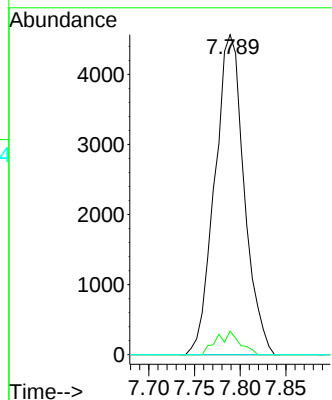
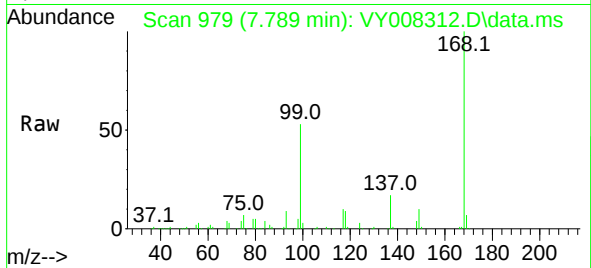




#38
Carbon Tetrachloride
Concen: 5.644 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.109 min
Lab File: VY008312.D
Acq: 13 Apr 2022 15:03

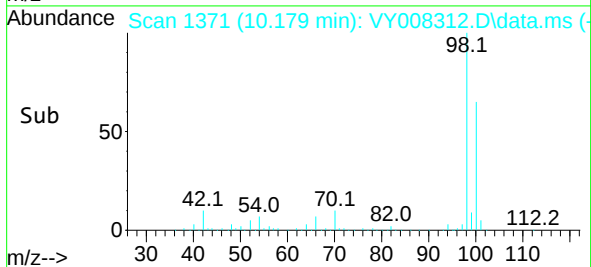
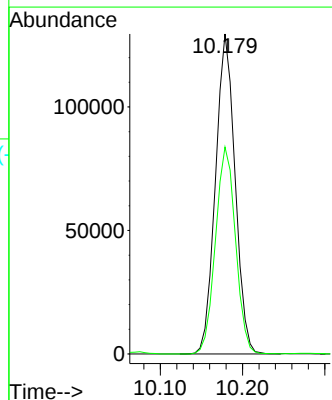
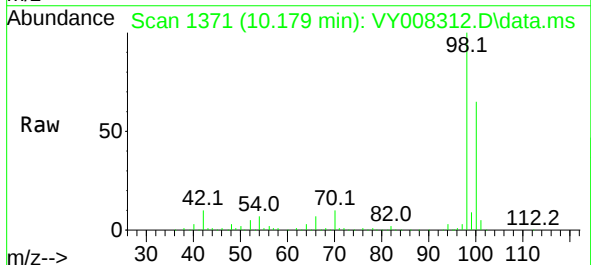
Instrument :
MSVOA_Y
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DEL-7

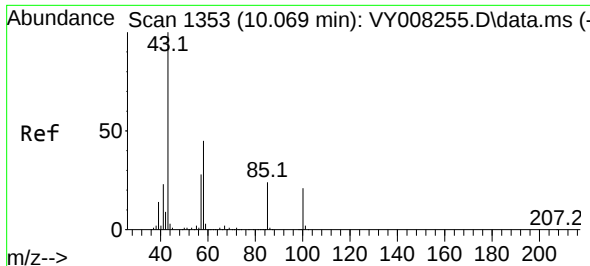
Tgt Ion:117 Resp: 10215
Ion Ratio Lower Upper
117 100
119 7.3 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 59.541 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.001 min
Lab File: VY008312.D
Acq: 13 Apr 2022 15:03

Tgt Ion: 98 Resp: 214644
Ion Ratio Lower Upper
98 100
100 66.1 50.2 75.2

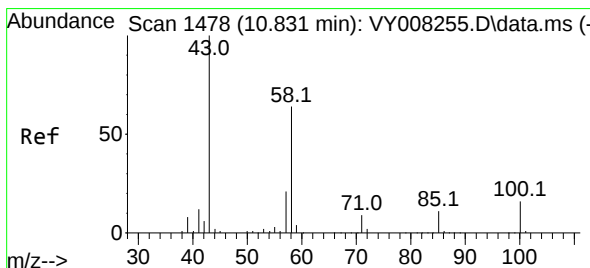
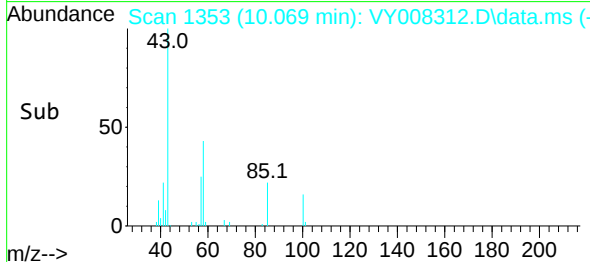
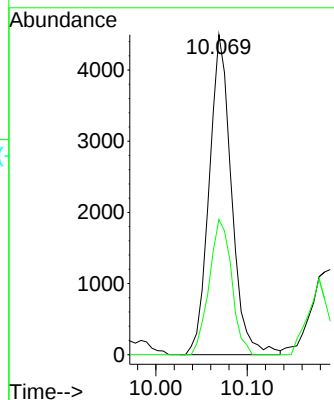
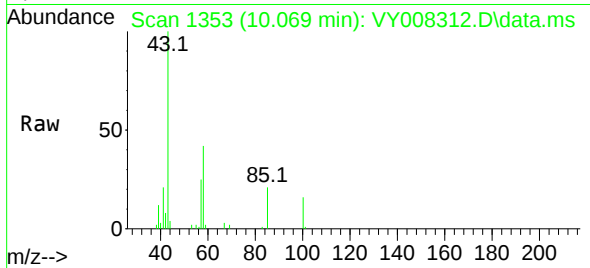




#51
4-Methyl-2-Pentanone
Concen: 9.183 ug/l
RT: 10.069 min Scan# 1353
Delta R.T. -0.000 min
Lab File: VY008312.D
Acq: 13 Apr 2022 15:03

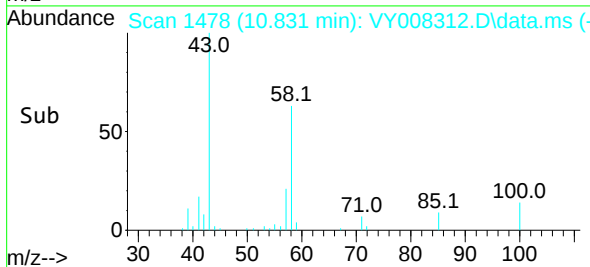
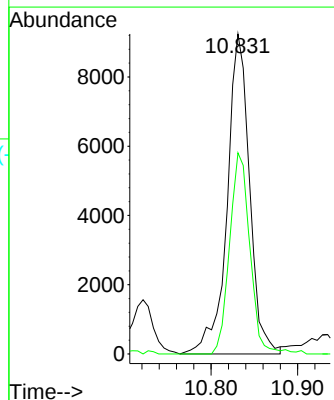
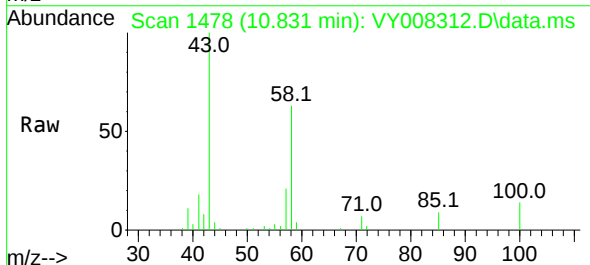
Instrument :
MSVOA_Y
ClientSampleId :
DEL-7

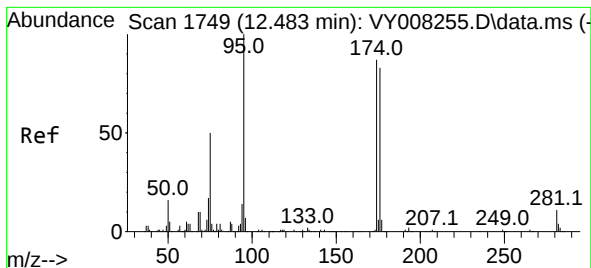
Tgt Ion: 43 Resp: 7634
Ion Ratio Lower Upper
43 100
58 42.2 28.1 42.1#



#59
2-Hexanone
Concen: 29.083 ug/l
RT: 10.831 min Scan# 1478
Delta R.T. 0.000 min
Lab File: VY008312.D
Acq: 13 Apr 2022 15:03

Tgt Ion: 43 Resp: 16636
Ion Ratio Lower Upper
43 100
58 57.0 24.4 73.4

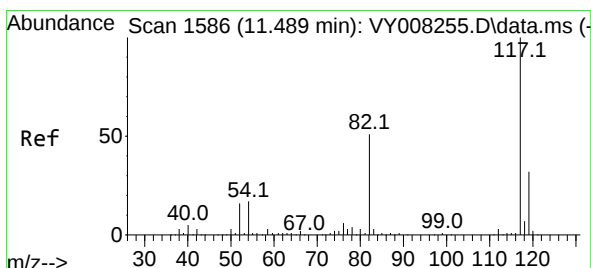
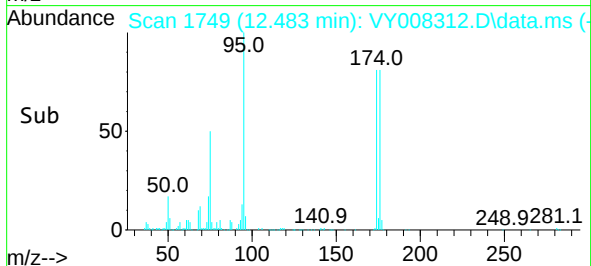
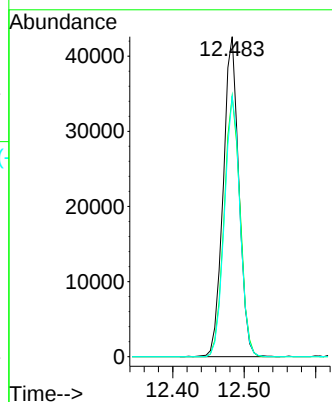
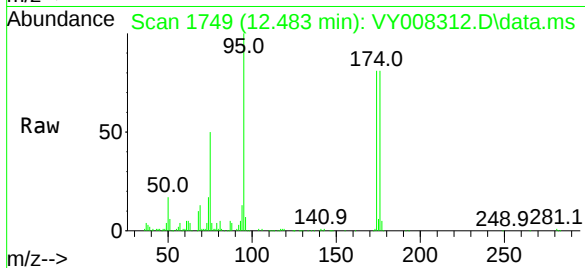




#62
4-Bromofluorobenzene
Concen: 47.788 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY008312.D
Acq: 13 Apr 2022 15:03

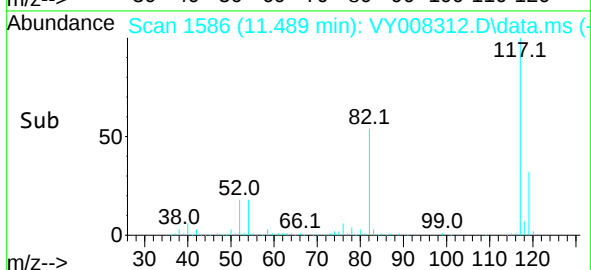
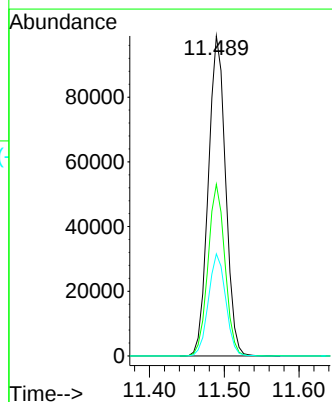
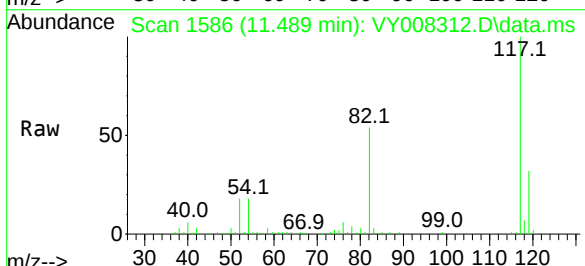
Instrument :
MSVOA_Y
ClientSampleId :
DEL-7

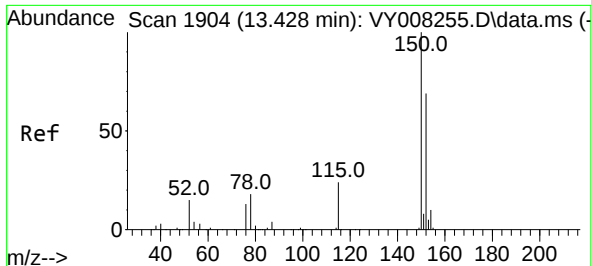
Tgt Ion: 95 Resp: 64797
Ion Ratio Lower Upper
95 100
174 83.0 0.0 177.0
176 80.9 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY008312.D
Acq: 13 Apr 2022 15:03

Tgt Ion: 117 Resp: 158781
Ion Ratio Lower Upper
117 100
82 53.6 43.0 64.4
119 31.9 25.4 38.0

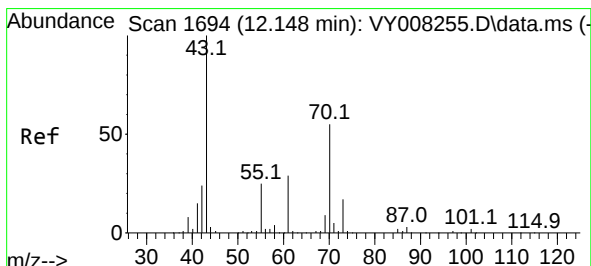
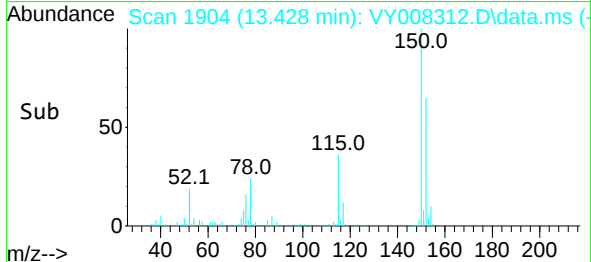
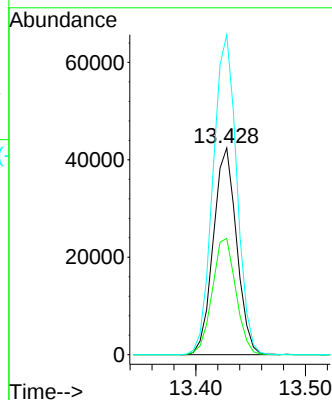
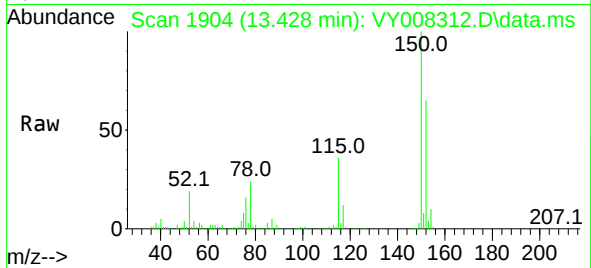




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY008312.D
Acq: 13 Apr 2022 15:03

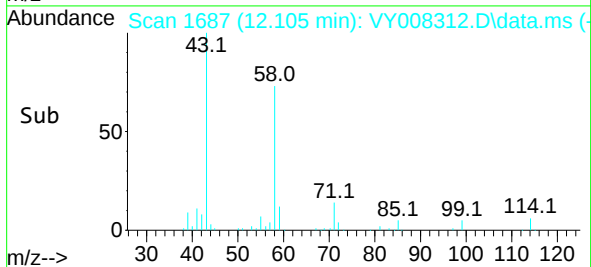
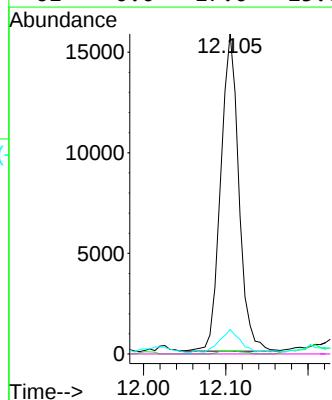
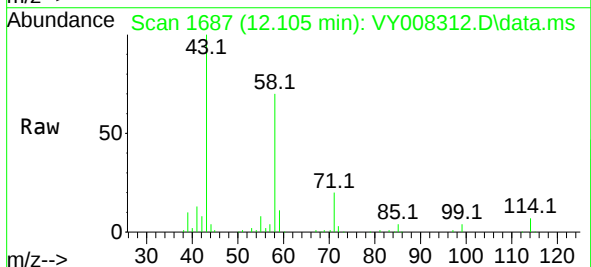
Instrument :
MSVOA_Y
ClientSampleId :
DEL-7

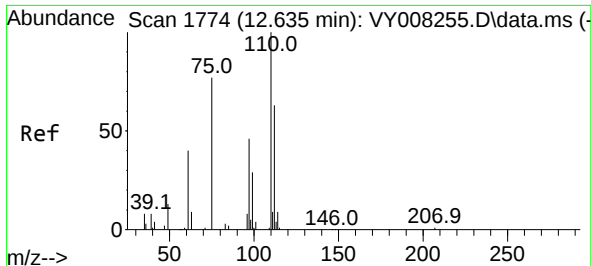
Tgt Ion:152 Resp: 62781
Ion Ratio Lower Upper
152 100
115 57.1 28.2 84.7
150 157.5 0.0 347.6



#74
N-ethyl acetate
Concen: 23.847 ug/l
RT: 12.105 min Scan# 1687
Delta R.T. -0.043 min
Lab File: VY008312.D
Acq: 13 Apr 2022 15:03

Tgt Ion: 43 Resp: 24166
Ion Ratio Lower Upper
43 100
70 1.3 28.7 43.1#
55 8.6 17.3 25.9#
61 0.0 17.0 25.6#

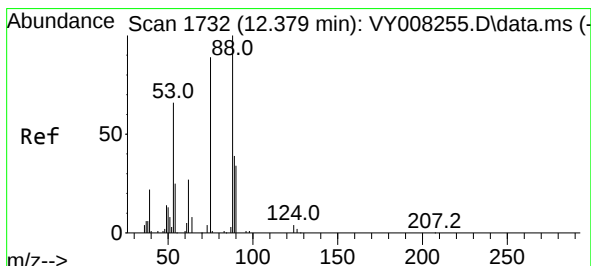
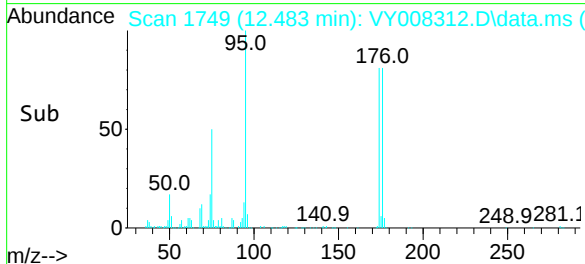
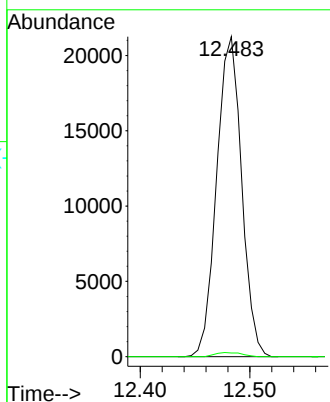
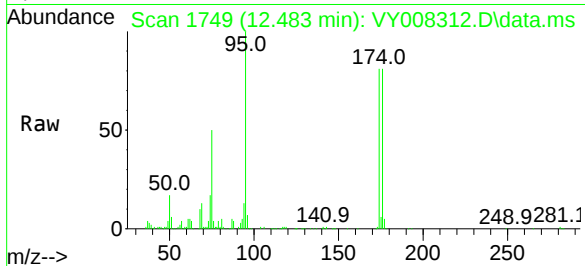




#76
1,2,3-Trichloropropane
Concen: 48.395 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY008312.D
Acq: 13 Apr 2022 15:03

Instrument :
MSVOA_Y
ClientSampleId :
DEL-7

Tgt Ion: 75 Resp: 33603
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 108.283 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY008312.D
Acq: 13 Apr 2022 15:03

Tgt Ion: 75 Resp: 33603
Ion Ratio Lower Upper
75 100
53 0.4 85.3 127.9#
89 0.0 37.0 55.4#

