

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020824\
 Data File : VY017316.D
 Acq On : 08 Feb 2024 16:34
 Operator : SY/MD
 Sample : P1391-01RE
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 09 00:14:19 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020124S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 02 00:56:04 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	43069	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	79073	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	68792	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	24553	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	20660	53.697	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	107.400%
35) Dibromofluoromethane	7.716	113	20839	48.810	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.620%
50) Toluene-d8	10.185	98	68641	44.157	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	88.320%
62) 4-Bromofluorobenzene	12.489	95	18428	36.189	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	72.380%

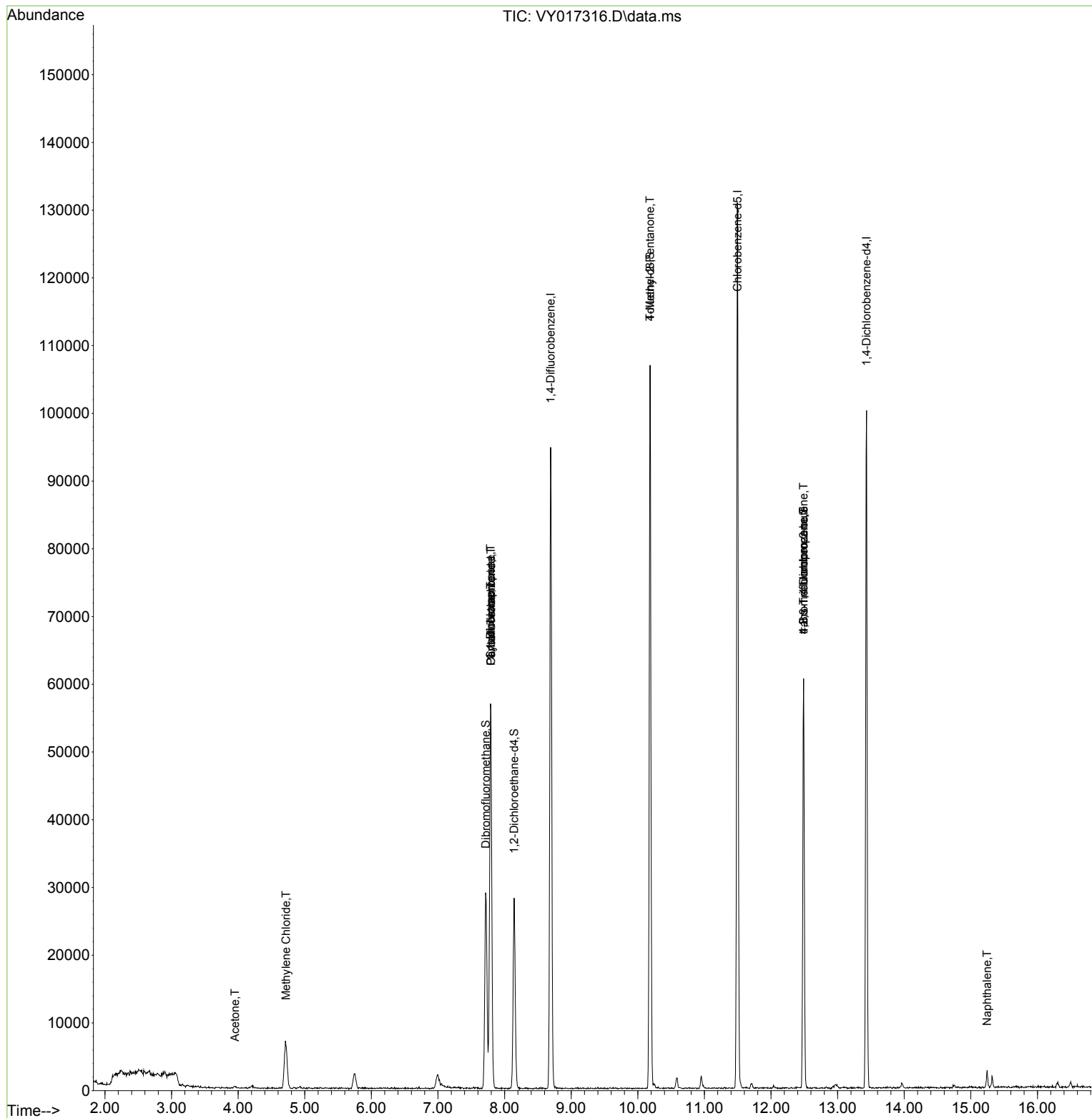
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.954	59	56	Below Cal	#	75
16) Acetone	3.954	43	417	3.688	ug/l #	88
20) Methylene Chloride	4.716	84	5331	8.610	ug/l	96
31) Cyclohexane	7.789	56	1060	1.367	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	3734	5.070	ug/l #	48
38) Carbon Tetrachloride	7.795	117	4287	6.080	ug/l #	16
51) 4-Methyl-2-Pentanone	10.185	43	335	1.034	ug/l #	1
76) 1,2,3-Trichloropropane	12.489	75	9781	43.160	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	9781	89.681	ug/l #	12
95) Naphthalene	15.245	128	2174	6.542	ug/l	96

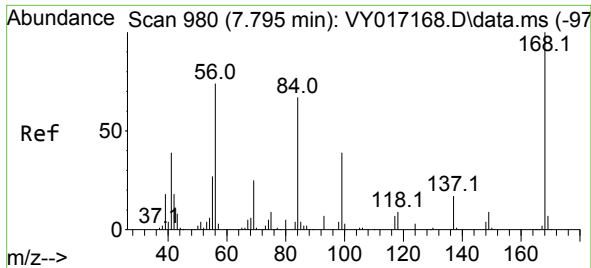
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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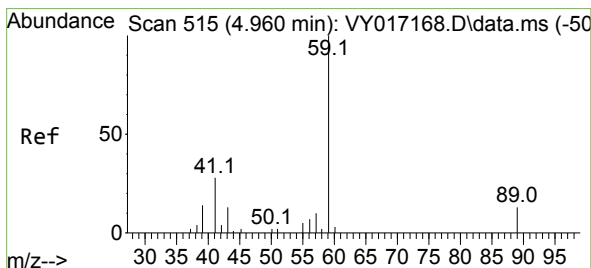
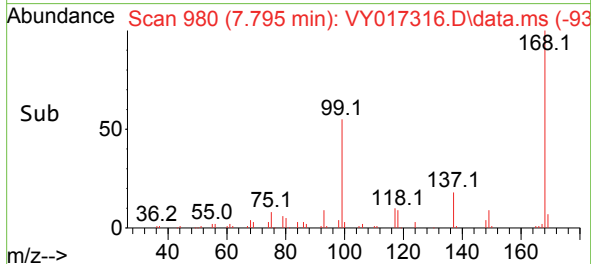
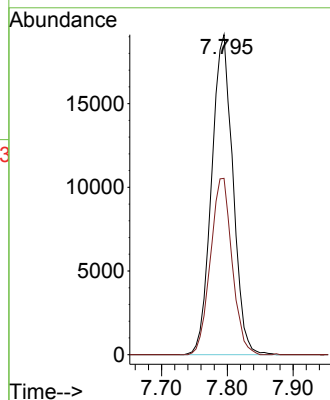
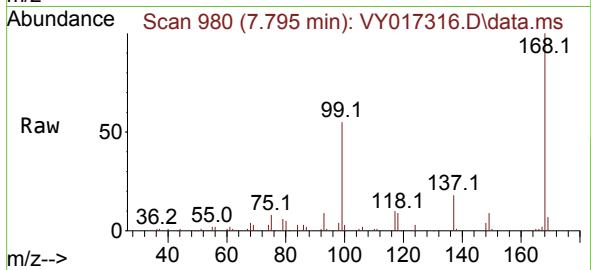




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY017316.D
Acq: 08 Feb 2024 16:34

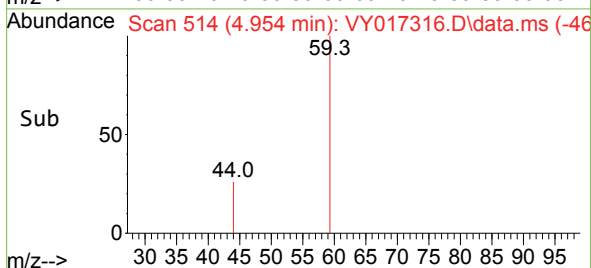
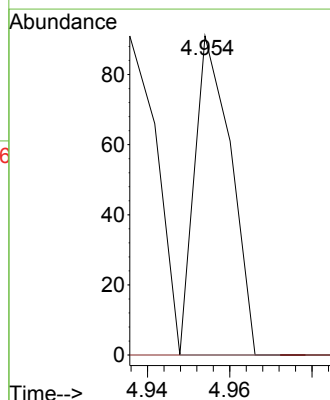
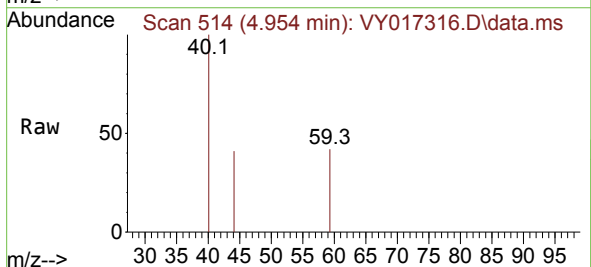
Instrument :
MSVOA_Y
ClientSampleId :

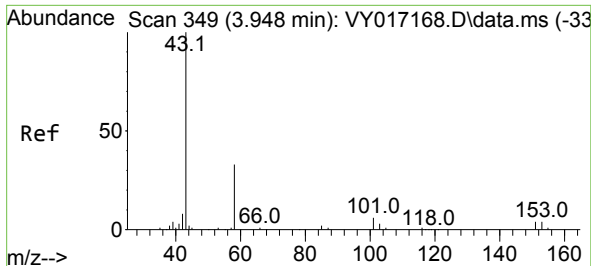
Tgt Ion:168 Resp: 43069
Ion Ratio Lower Upper
168 100
99 55.1 44.2 66.4



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.954 min Scan# 514
Delta R.T. -0.006 min
Lab File: VY017316.D
Acq: 08 Feb 2024 16:34

Tgt Ion: 59 Resp: 56
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#





#16

Acetone

Concen: 3.688 ug/l

RT: 3.954 min Scan# 3

Delta R.T. 0.006 min

Lab File: VY017316.D

Acq: 08 Feb 2024 16:34

Instrument :

MSVOA_Y

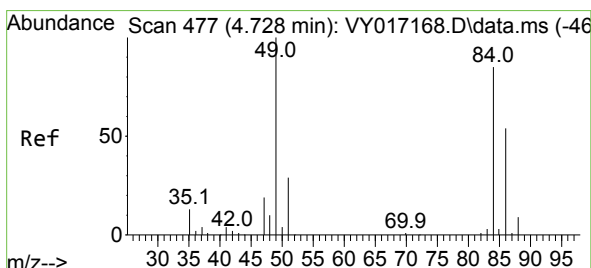
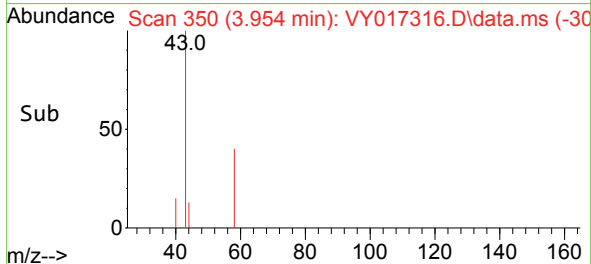
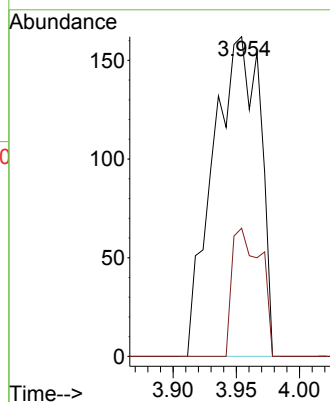
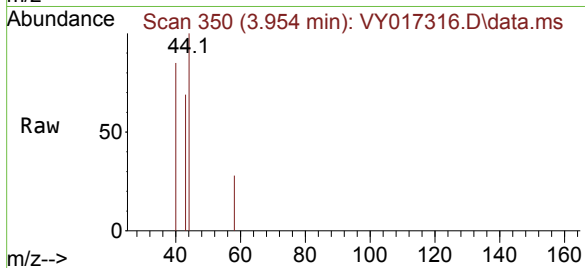
ClientSampleId :

Tgt Ion: 43 Resp: 417

Ion Ratio Lower Upper

43 100

58 40.1 26.6 39.8#



#20

Methylene Chloride

Concen: 8.610 ug/l

RT: 4.716 min Scan# 475

Delta R.T. -0.012 min

Lab File: VY017316.D

Acq: 08 Feb 2024 16:34

Tgt Ion: 84 Resp: 5331

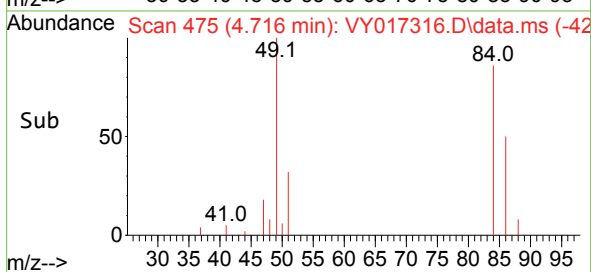
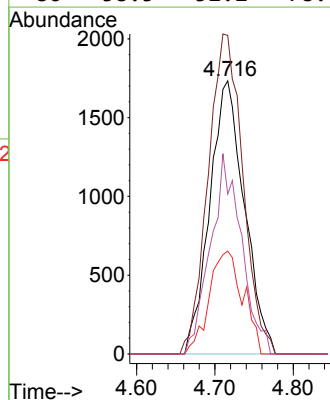
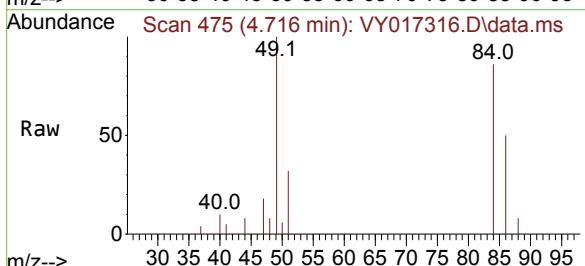
Ion Ratio Lower Upper

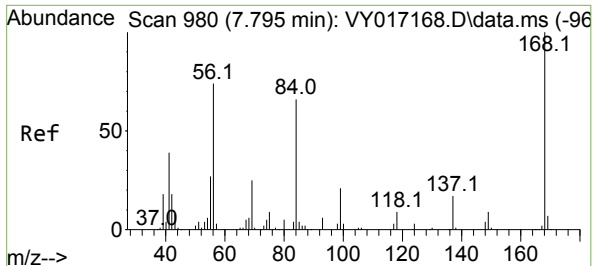
84 100

49 116.7 95.2 142.8

51 37.7 29.9 44.9

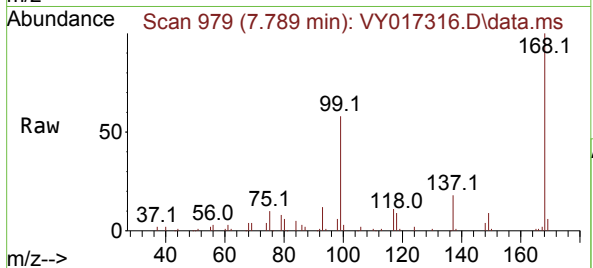
86 58.5 52.2 78.4



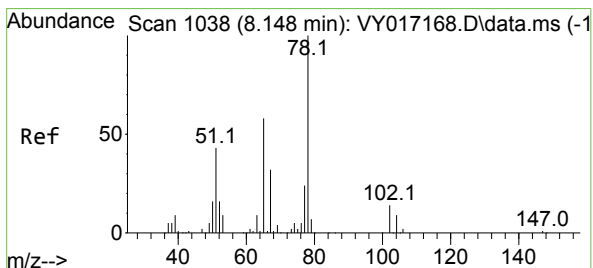
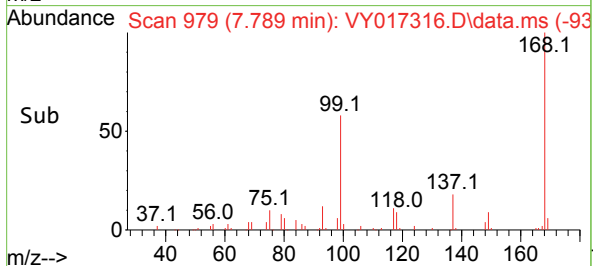
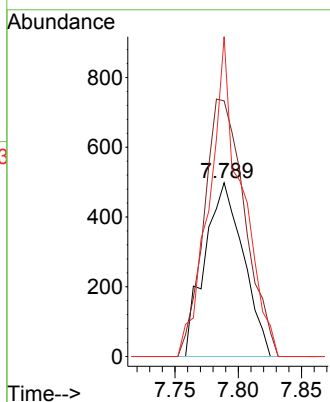


#31
Cyclohexane
Concen: 1.367 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY017316.D
Acq: 08 Feb 2024 16:34

Instrument :
MSVOA_Y
ClientSampleId :

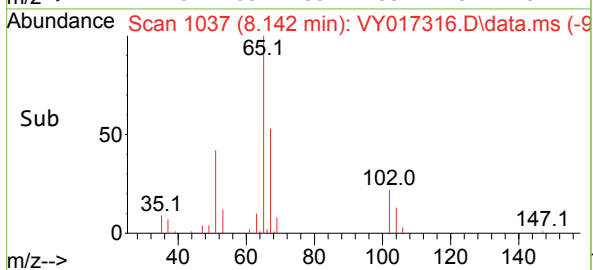
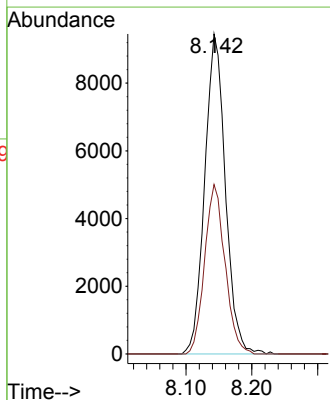
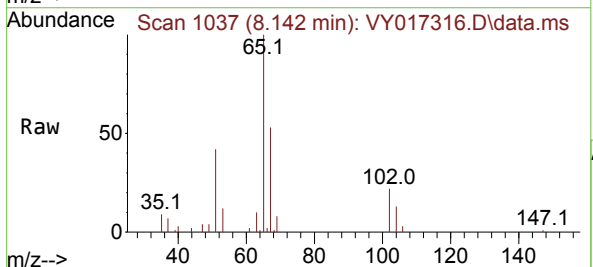


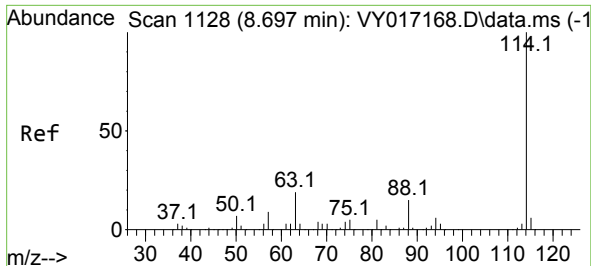
Tgt Ion: 56 Resp: 1060
Ion Ratio Lower Upper
56 100
69 147.2 27.0 40.6#
84 184.1 71.8 107.6#



#33
1,2-Dichloroethane-d4
Concen: 53.697 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.006 min
Lab File: VY017316.D
Acq: 08 Feb 2024 16:34

Tgt Ion: 65 Resp: 20660
Ion Ratio Lower Upper
65 100
67 52.3 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.006 min

Lab File: VY017316.D

Acq: 08 Feb 2024 16:34

Instrument :

MSVOA_Y

ClientSampleId :

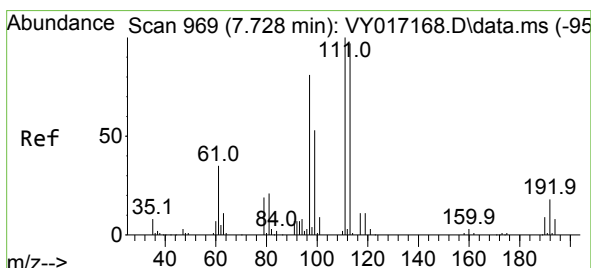
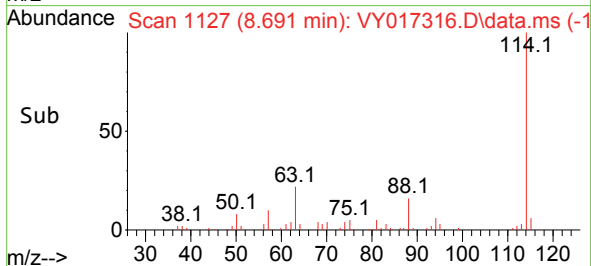
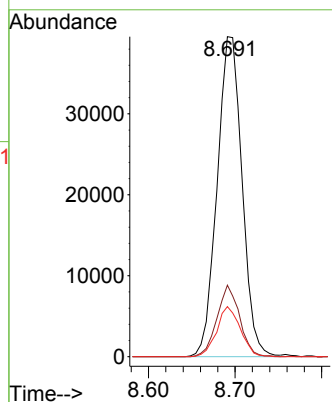
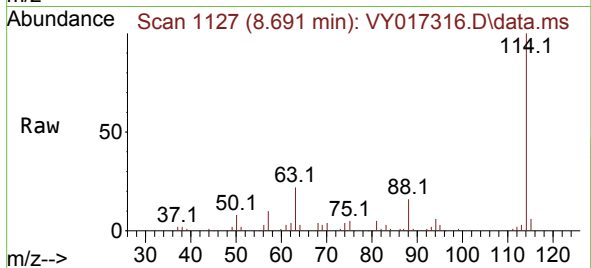
Tgt Ion:114 Resp: 79073

Ion Ratio Lower Upper

114 100

63 22.4 0.0 37.4

88 15.6 0.0 29.0



#35

Dibromofluoromethane

Concen: 48.810 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.012 min

Lab File: VY017316.D

Acq: 08 Feb 2024 16:34

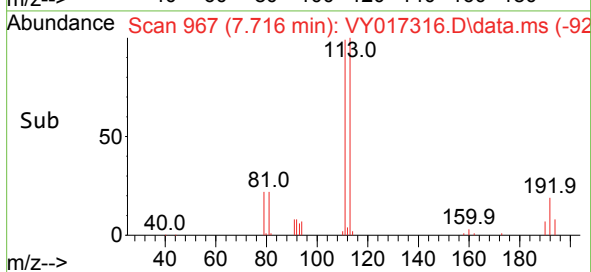
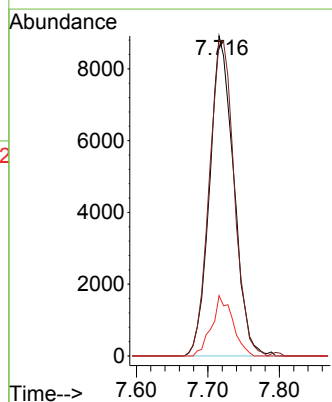
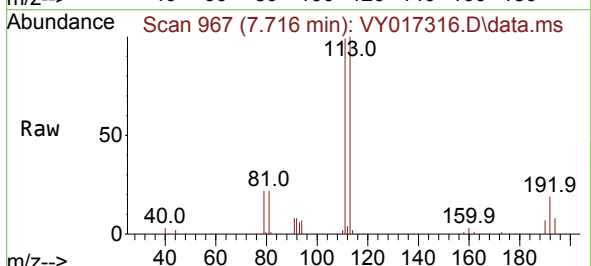
Tgt Ion:113 Resp: 20839

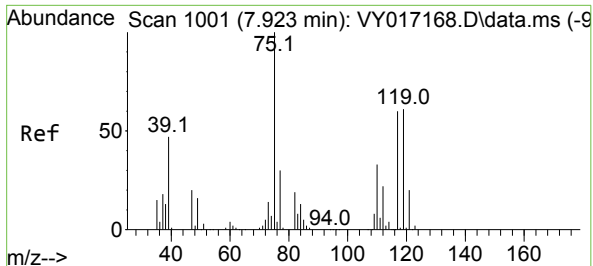
Ion Ratio Lower Upper

113 100

111 102.3 83.8 125.6

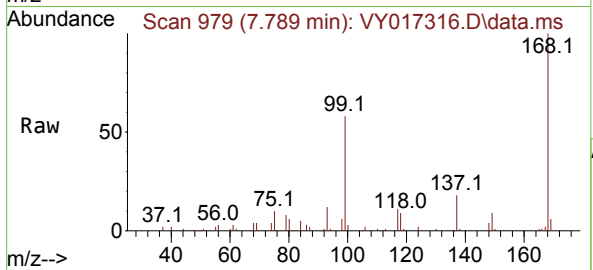
192 16.6 14.5 21.7



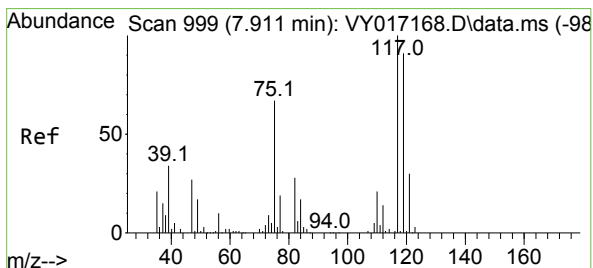
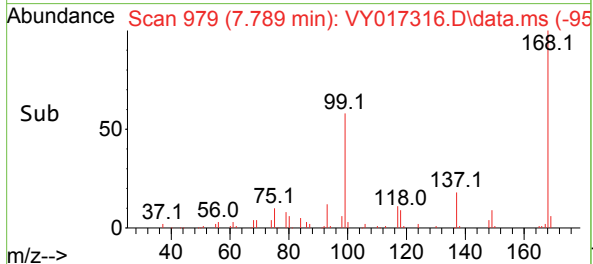
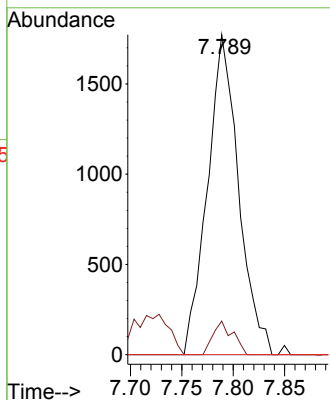


#36
1,1-Dichloropropene
Concen: 5.070 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.134 min
Lab File: VY017316.D
Acq: 08 Feb 2024 16:34

Instrument :
MSVOA_Y
ClientSampleId :

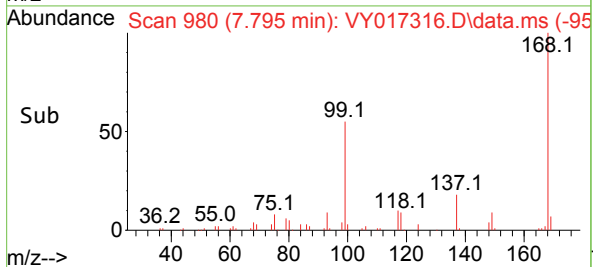
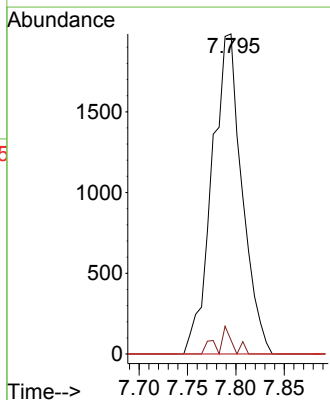
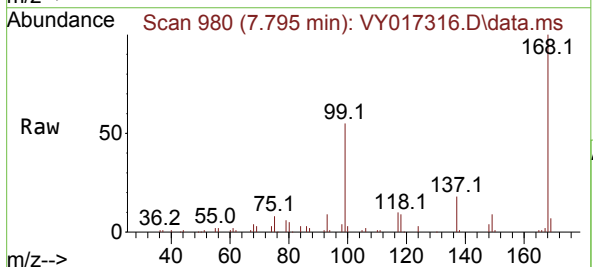


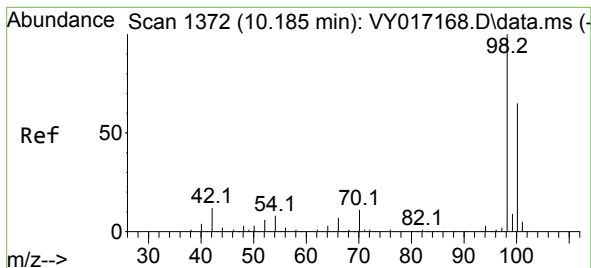
Tgt Ion: 75 Resp: 3734
Ion Ratio Lower Upper
75 100
110 6.7 17.4 52.3#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.080 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.116 min
Lab File: VY017316.D
Acq: 08 Feb 2024 16:34

Tgt Ion: 117 Resp: 4287
Ion Ratio Lower Upper
117 100
119 4.3 76.0 114.0#
121 0.0 24.2 36.2#





#50

Toluene-d8

Concen: 44.157 ug/l

RT: 10.185 min Scan# 1372

Delta R.T. 0.000 min

Lab File: VY017316.D

Acq: 08 Feb 2024 16:34

Instrument :

MSVOA_Y

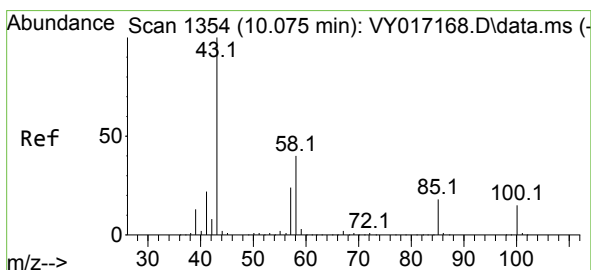
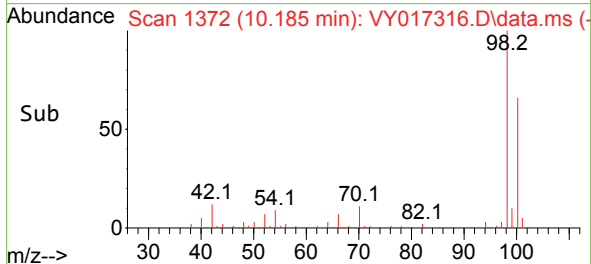
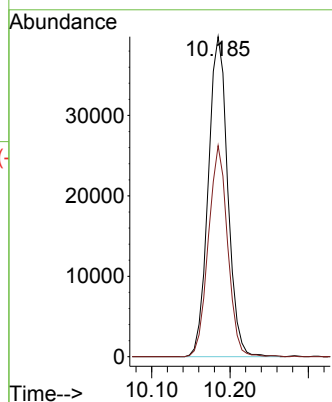
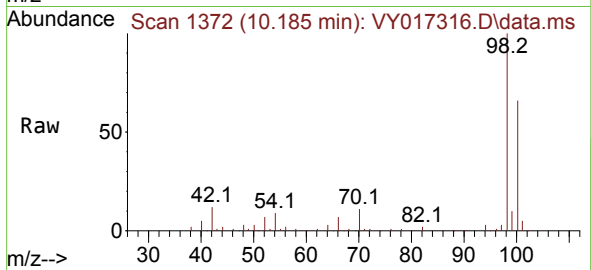
ClientSampleId :

Tgt Ion: 98 Resp: 68641

Ion Ratio Lower Upper

98 100

100 64.9 52.3 78.5



#51

4-Methyl-2-Pentanone

Concen: 1.034 ug/l

RT: 10.185 min Scan# 1372

Delta R.T. 0.110 min

Lab File: VY017316.D

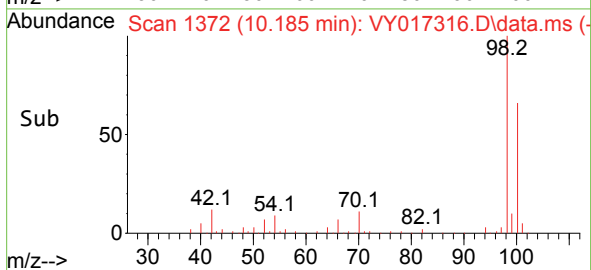
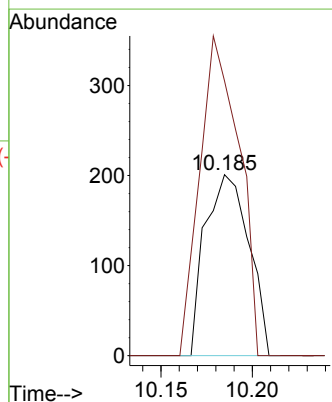
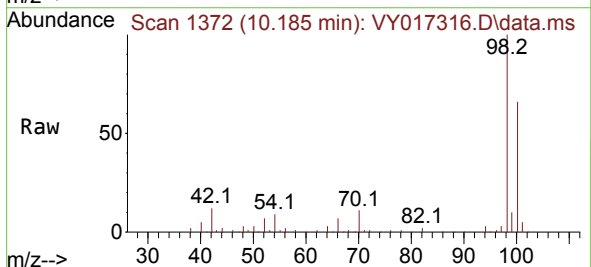
Acq: 08 Feb 2024 16:34

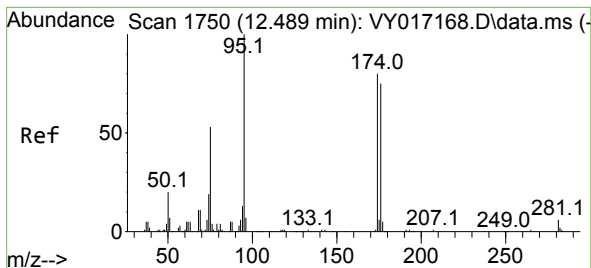
Tgt Ion: 43 Resp: 335

Ion Ratio Lower Upper

43 100

58 158.5 32.2 48.2#

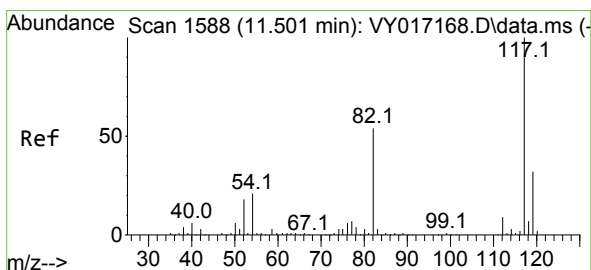
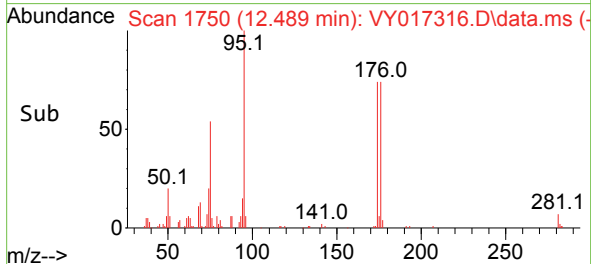
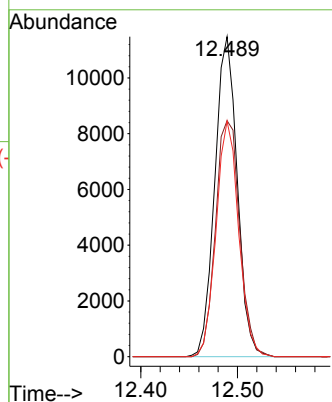
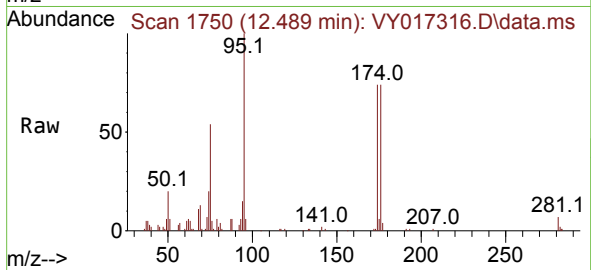




#62
4-Bromofluorobenzene
Concen: 36.189 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.000 min
Lab File: VY017316.D
Acq: 08 Feb 2024 16:34

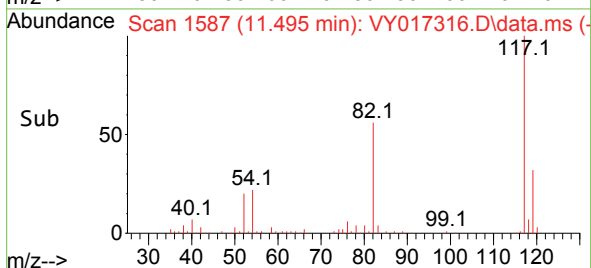
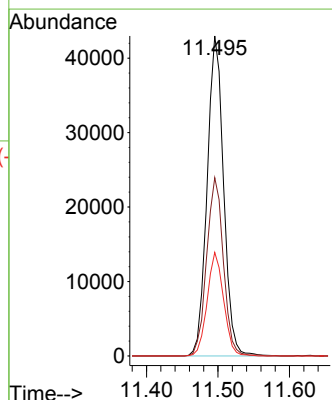
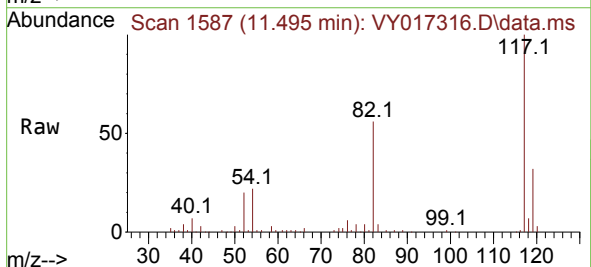
Instrument :
MSVOA_Y
ClientSampleId :

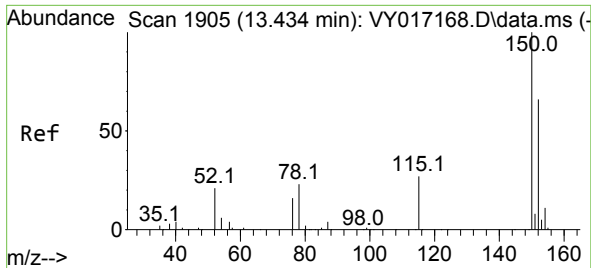
Tgt Ion: 95 Resp: 18428
Ion Ratio Lower Upper
95 100
174 79.5 0.0 160.0
176 74.2 0.0 151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.495 min Scan# 1587
Delta R.T. -0.006 min
Lab File: VY017316.D
Acq: 08 Feb 2024 16:34

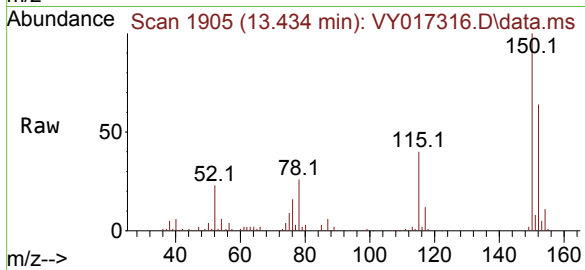
Tgt Ion: 117 Resp: 68792
Ion Ratio Lower Upper
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82 55.7 43.8 65.8
119 32.4 26.5 39.7



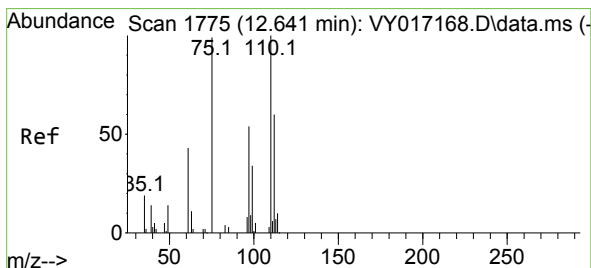
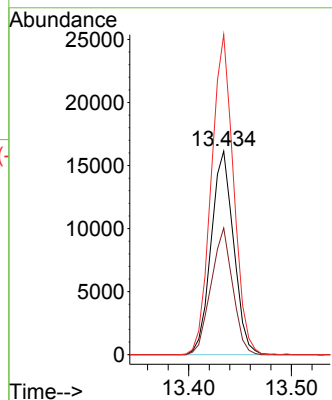
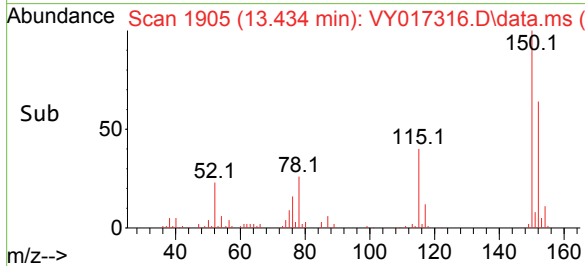


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.434 min Scan# 1905
Delta R.T. 0.000 min
Lab File: VY017316.D
Acq: 08 Feb 2024 16:34

Instrument :
MSVOA_Y
ClientSampleId :

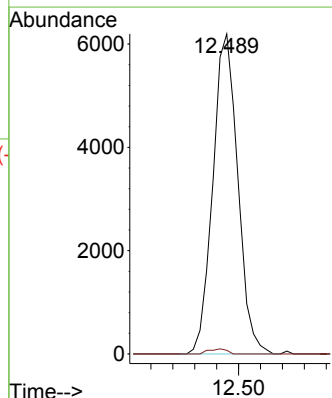
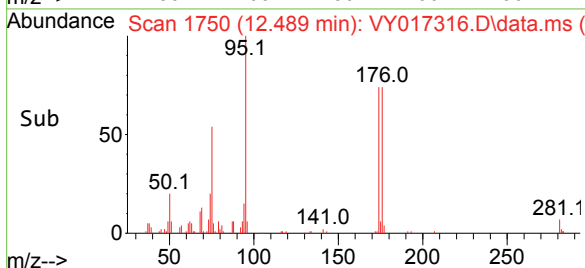
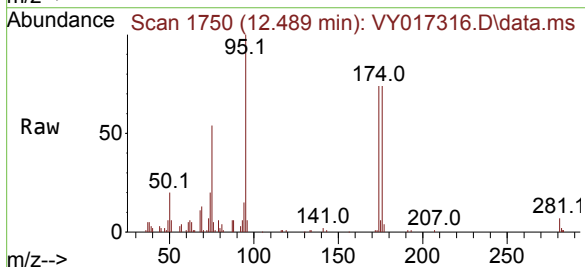


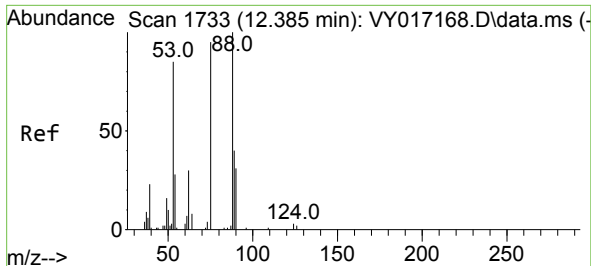
Tgt Ion:152 Resp: 24553
Ion Ratio Lower Upper
152 100
115 59.8 30.0 90.0
150 155.2 0.0 344.6



#76
1,2,3-Trichloropropane
Concen: 43.160 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.152 min
Lab File: VY017316.D
Acq: 08 Feb 2024 16:34

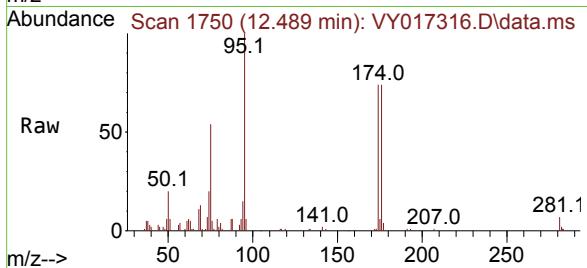
Tgt Ion: 75 Resp: 9781
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



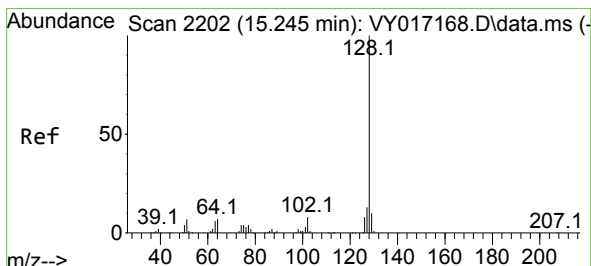
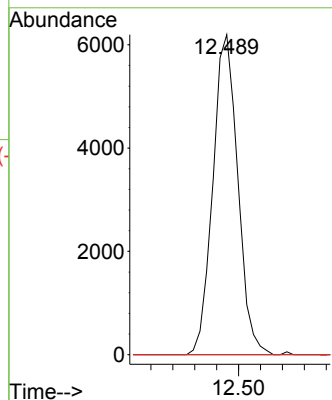
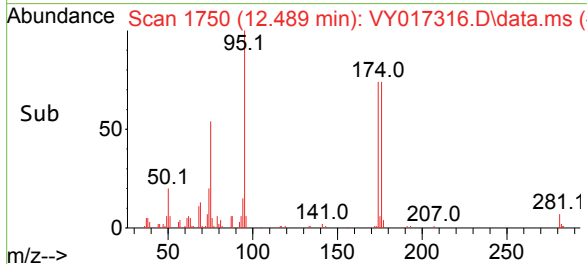


#81
trans-1,4-Dichloro-2-butene
Concen: 89.681 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.104 min
Lab File: VY017316.D
Acq: 08 Feb 2024 16:34

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 75 Resp: 9781
Ion Ratio Lower Upper
75 100
53 0.0 74.0 111.0#
89 0.0 36.5 54.7#



#95
Naphthalene
Concen: 6.542 ug/l
RT: 15.245 min Scan# 2202
Delta R.T. -0.000 min
Lab File: VY017316.D
Acq: 08 Feb 2024 16:34

Tgt Ion: 128 Resp: 2174
Ion Ratio Lower Upper
128 100
127 14.6 10.2 15.4
129 9.5 8.6 12.8

