

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081623\
 Data File : VY015146.D
 Acq On : 16 Aug 2023 13:43
 Operator : SY/MD
 Sample : 04016-02
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 16 16:17:47 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 14 12:43:26 2023
 Response via : Initial Calibration

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

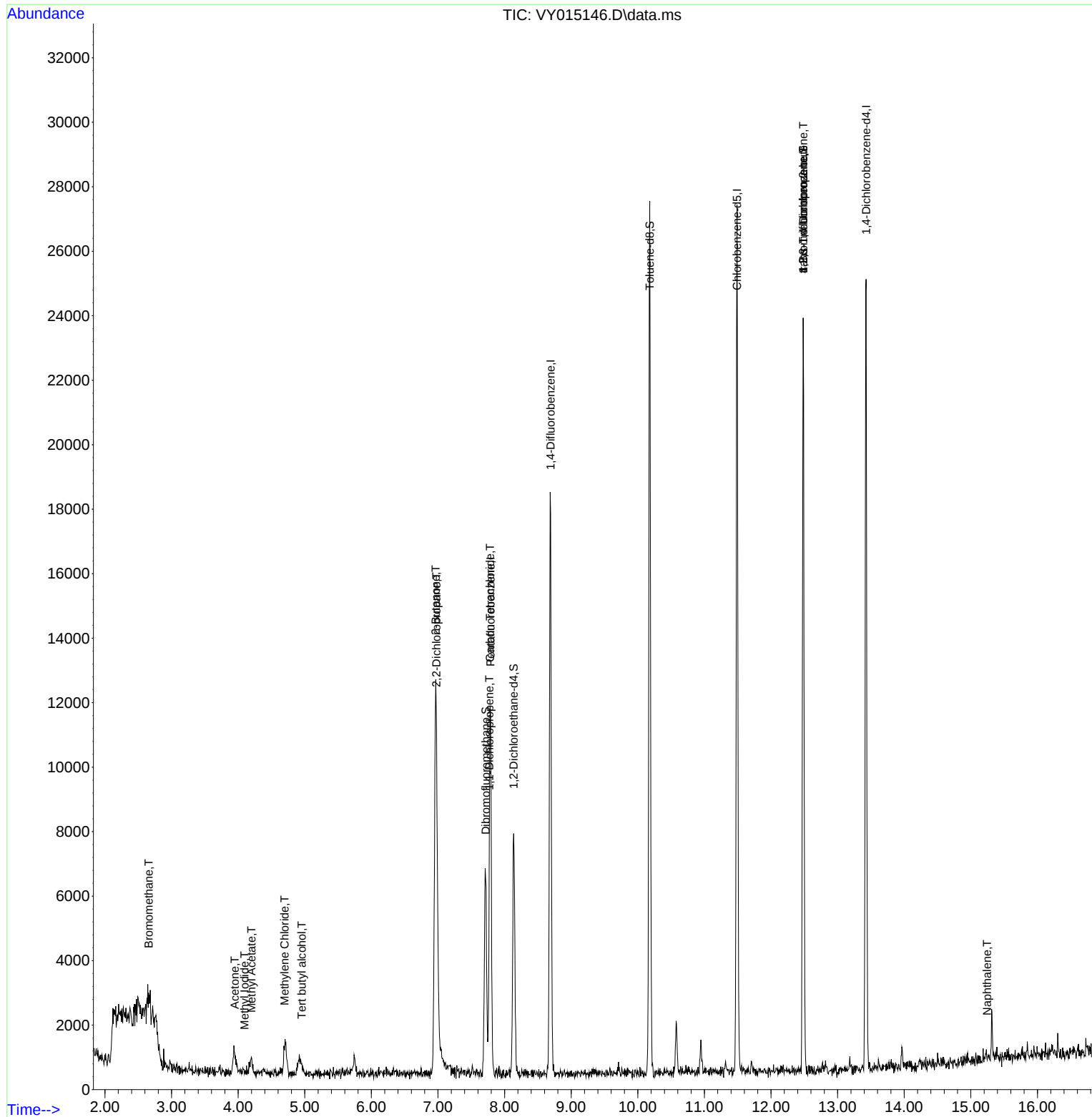
Internal Standards						
1) Pentafluorobenzene	7.789	168	9489	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	15571	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	15164	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	6654	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	5974	52.446	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	104.900%
35) Dibromofluoromethane	7.716	113	4703	46.948	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	93.900%
50) Toluene-d8	10.179	98	18528	49.686	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.380%
62) 4-Bromofluorobenzene	12.483	95	6385	46.879	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	93.760%
Target Compounds						
					Qvalue	
5) Bromomethane	2.656	94	345	4.948	ug/l	89
10) Methyl Iodide	4.094	142	146	1.880	ug/l #	38
11) Tert butyl alcohol	4.954	59	386	4.685	ug/l #	89
16) Acetone	3.948	43	1589	42.702	ug/l	93
18) Methyl Acetate	4.198	43	146	1.071	ug/l #	54
20) Methylene Chloride	4.698	84	763	4.632	ug/l #	62
25) 2-Butanone	6.966	43	408	7.744	ug/l #	49
26) 2,2-Dichloropropane	6.978	77	1011	6.631	ug/l #	54
31) Cyclohexane	7.789	56	226	Below Cal	#	55
36) 1,1-Dichloropropene	7.771	75	757	6.831	ug/l #	41
38) Carbon Tetrachloride	7.783	117	887	6.763	ug/l #	12
76) 1,2,3-Trichloropropane	12.483	75	3298	40.796	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	3298	89.608	ug/l #	10
95) Naphthalene	15.245	128	357	1.155	ug/l #	75

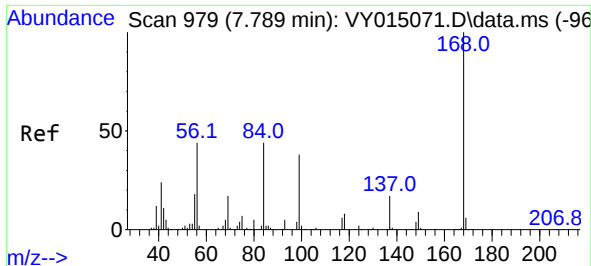
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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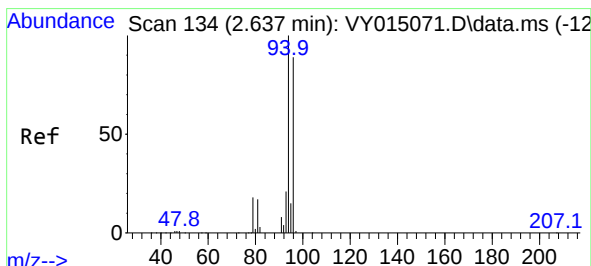
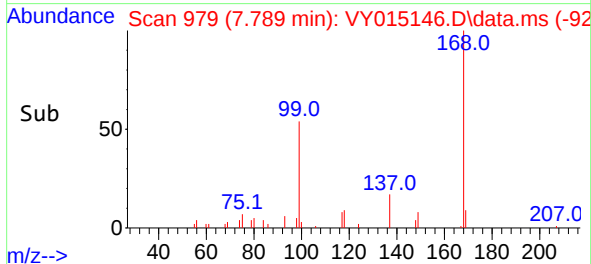
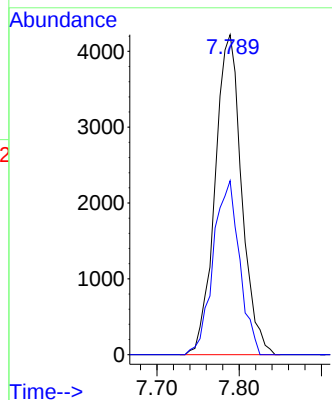
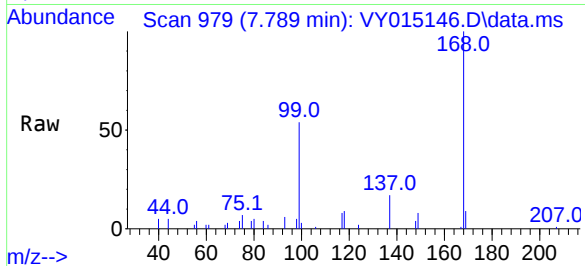




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015146.D
Acq: 16 Aug 2023 13:43

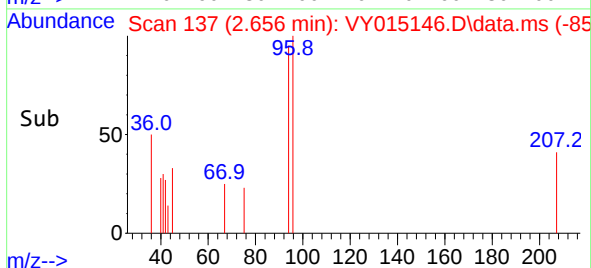
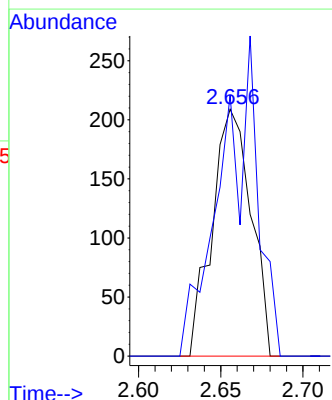
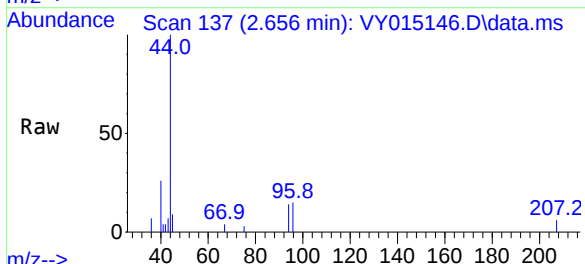
Instrument :
MSVOA_Y
ClientSampleId :

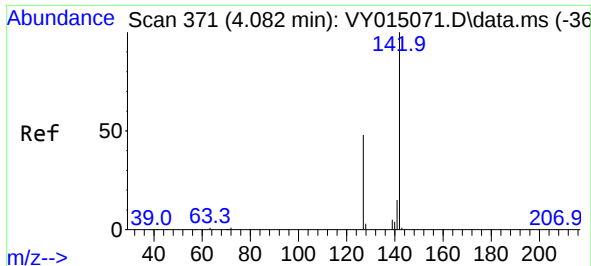
Tgt Ion:168 Resp: 9489
Ion Ratio Lower Upper
168 100
99 54.3 43.4 65.0



#5
Bromomethane
Concen: 4.948 ug/l
RT: 2.656 min Scan# 137
Delta R.T. 0.019 min
Lab File: VY015146.D
Acq: 16 Aug 2023 13:43

Tgt Ion: 94 Resp: 345
Ion Ratio Lower Upper
94 100
96 105.7 75.8 113.6





#10

Methyl Iodide

Concen: 1.880 ug/l

RT: 4.094 min Scan# 31

Delta R.T. 0.012 min

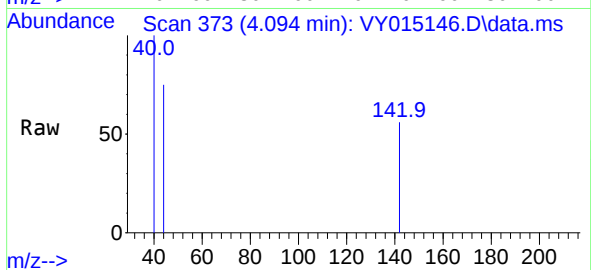
Lab File: VY015146.D

Acq: 16 Aug 2023 13:43

Instrument :

MSVOA_Y

ClientSampleId :



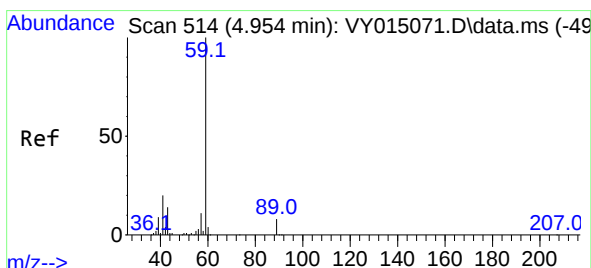
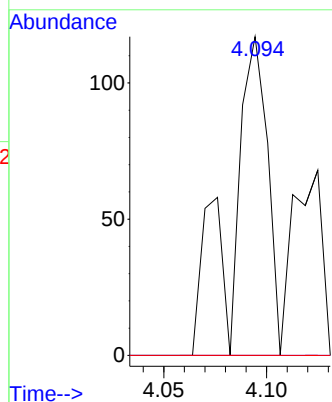
Tgt Ion:142 Resp: 146

Ion Ratio Lower Upper

142 100

127 0.0 37.6 56.4#

141 0.0 11.8 17.8#



#11

Tert butyl alcohol

Concen: 4.685 ug/l

RT: 4.954 min Scan# 514

Delta R.T. 0.006 min

Lab File: VY015146.D

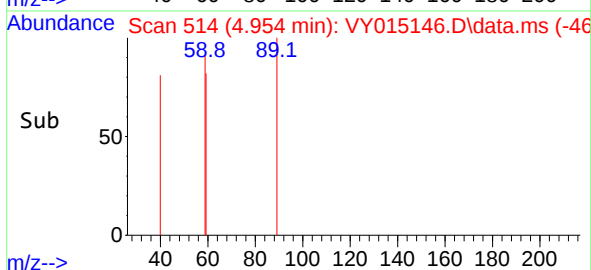
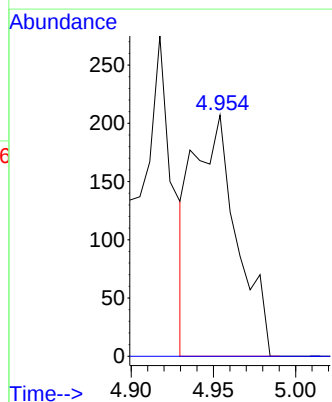
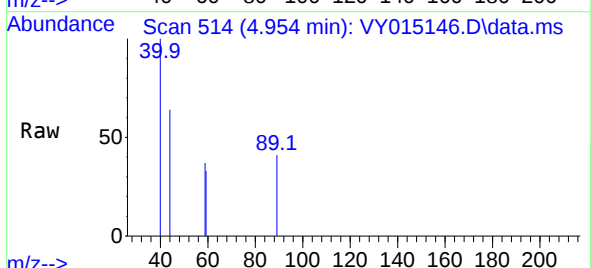
Acq: 16 Aug 2023 13:43

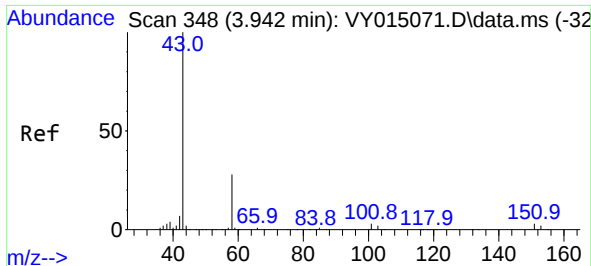
Tgt Ion: 59 Resp: 386

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.4#

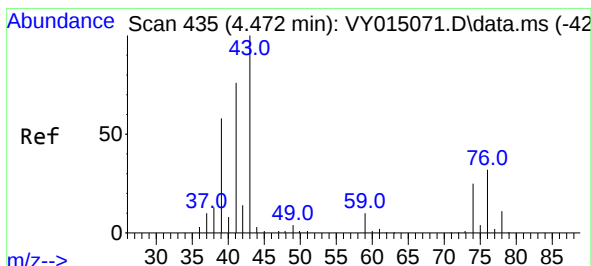
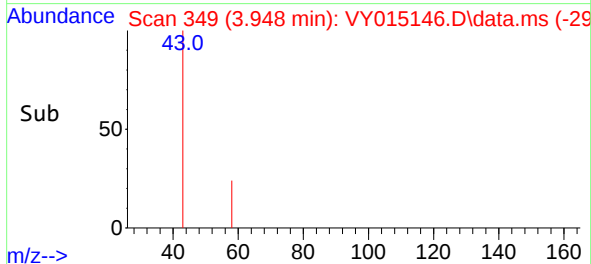
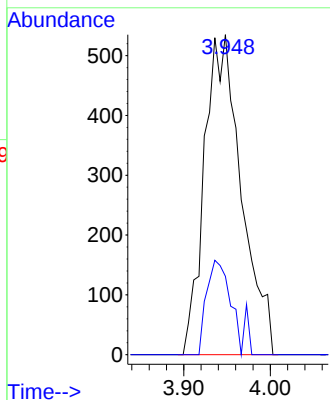
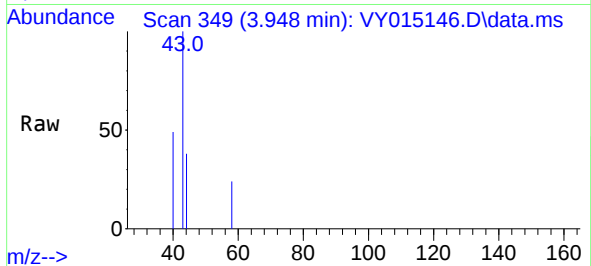




#16
Acetone
Concen: 42.702 ug/l
RT: 3.948 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY015146.D
Acq: 16 Aug 2023 13:43

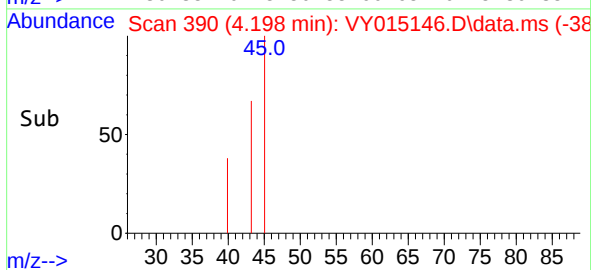
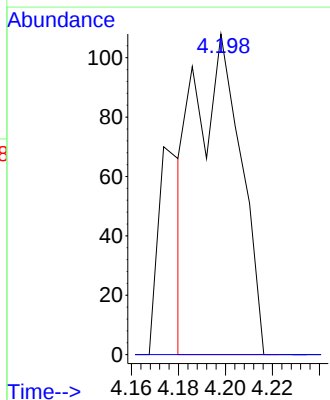
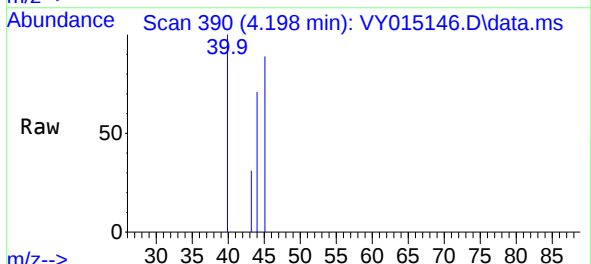
Instrument :
MSVOA_Y
ClientSampleId :

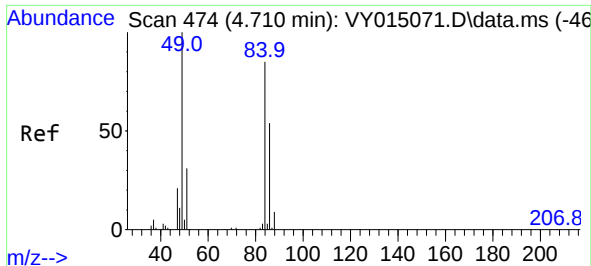
Tgt Ion: 43 Resp: 1589
Ion Ratio Lower Upper
43 100
58 24.5 22.7 34.1



#18
Methyl Acetate
Concen: 1.071 ug/l
RT: 4.198 min Scan# 390
Delta R.T. -0.268 min
Lab File: VY015146.D
Acq: 16 Aug 2023 13:43

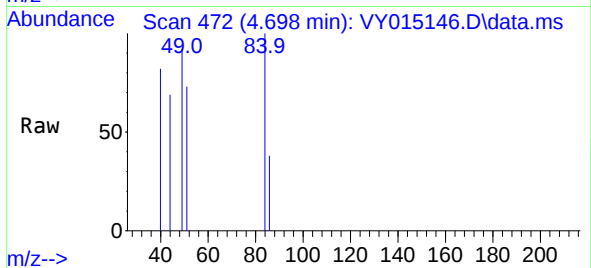
Tgt Ion: 43 Resp: 146
Ion Ratio Lower Upper
43 100
74 0.0 17.4 26.0#





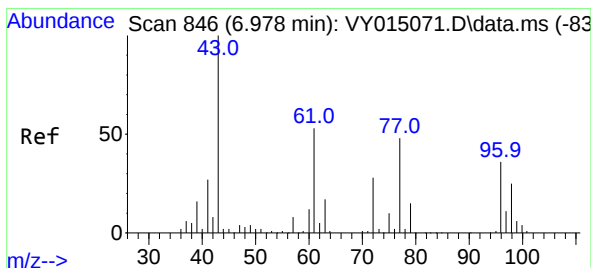
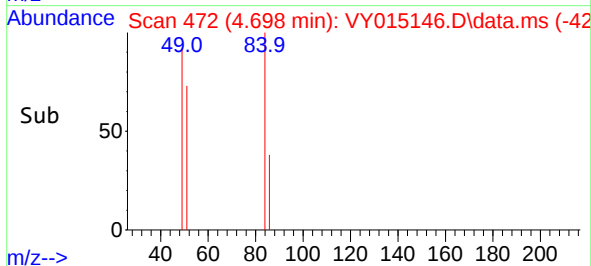
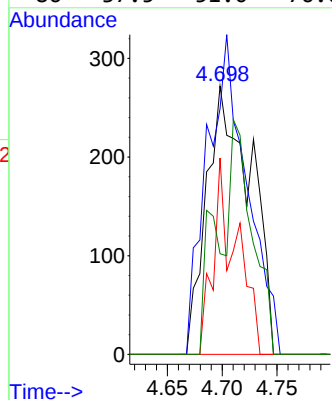
#20
Methylene Chloride
Concen: 4.632 ug/l
RT: 4.698 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY015146.D
Acq: 16 Aug 2023 13:43

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 84 Resp: 763

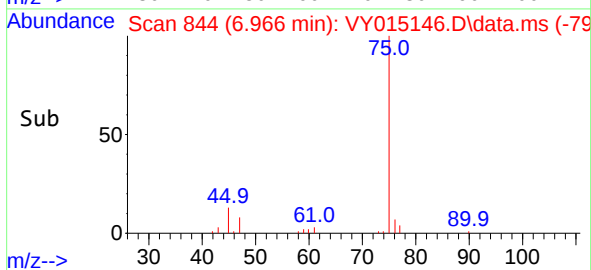
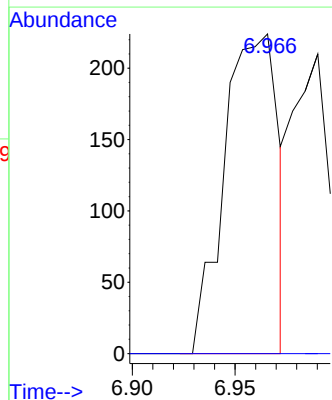
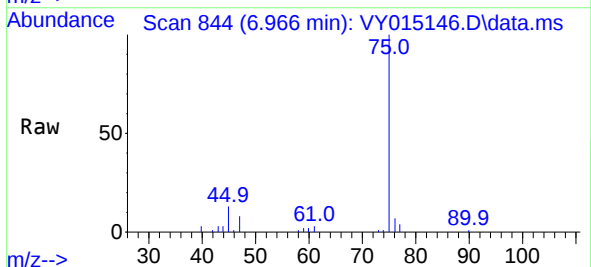
Ion	Ratio	Lower	Upper
84	100		
49	91.5	106.9	160.3#
51	73.2	33.2	49.8#
86	37.5	51.0	76.6#

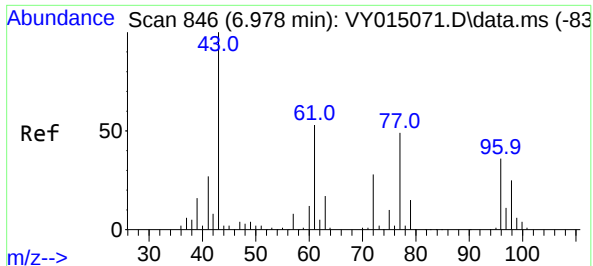


#25
2-Butanone
Concen: 7.744 ug/l
RT: 6.966 min Scan# 844
Delta R.T. -0.012 min
Lab File: VY015146.D
Acq: 16 Aug 2023 13:43

Tgt Ion: 43 Resp: 408

Ion	Ratio	Lower	Upper
43	100		
72	0.0	20.5	30.7#





#26

2,2-Dichloropropane

Concen: 6.631 ug/l

RT: 6.978 min Scan# 846

Delta R.T. 0.006 min

Lab File: VY015146.D

Acq: 16 Aug 2023 13:43

Instrument :

MSVOA_Y

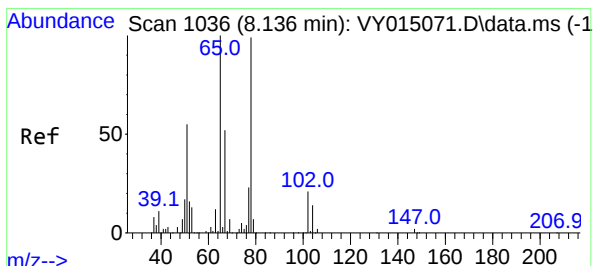
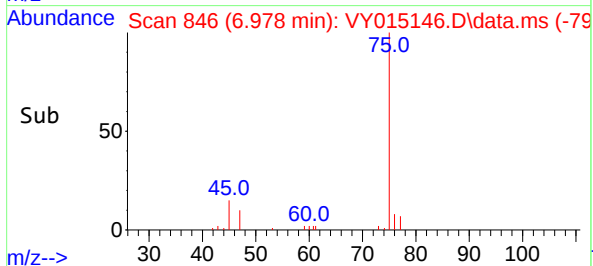
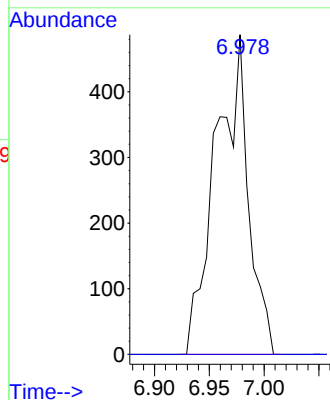
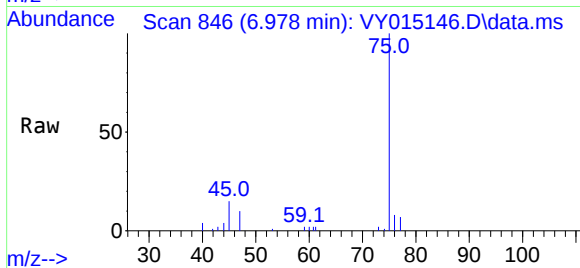
ClientSampleId :

Tgt Ion: 77 Resp: 1011

Ion Ratio Lower Upper

77 100

97 0.0 10.9 32.9#



#33

1,2-Dichloroethane-d4

Concen: 52.446 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY015146.D

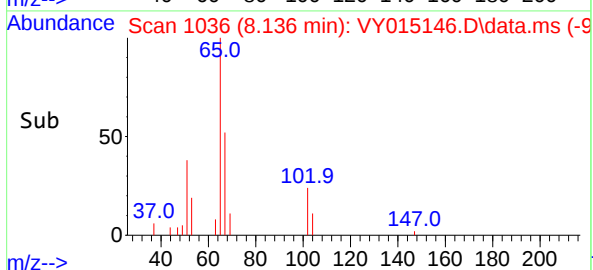
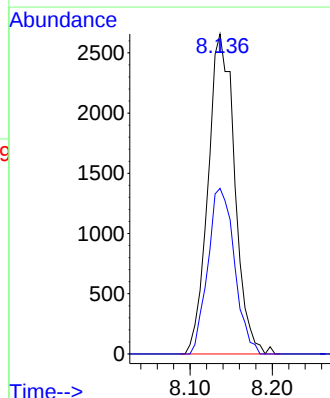
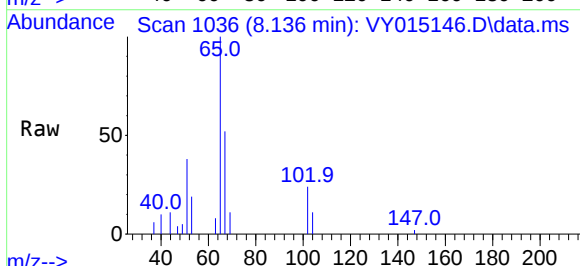
Acq: 16 Aug 2023 13:43

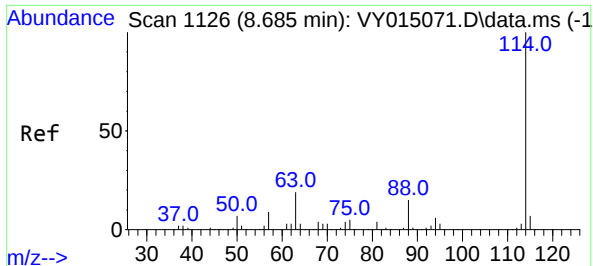
Tgt Ion: 65 Resp: 5974

Ion Ratio Lower Upper

65 100

67 51.6 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY015146.D

Acq: 16 Aug 2023 13:43

Instrument :

MSVOA_Y

ClientSampleId :

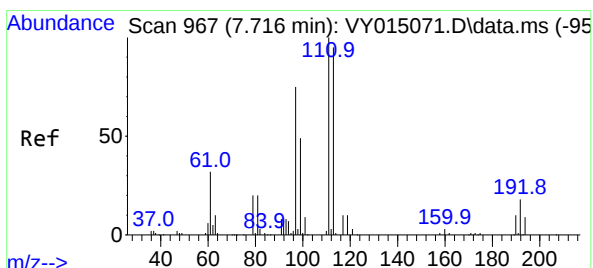
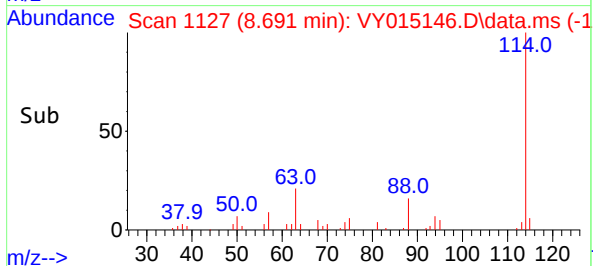
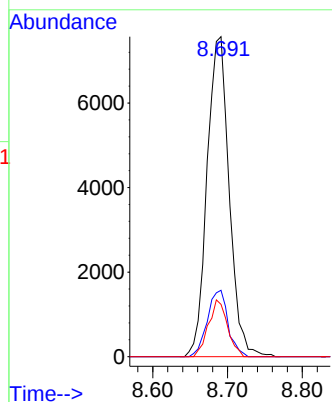
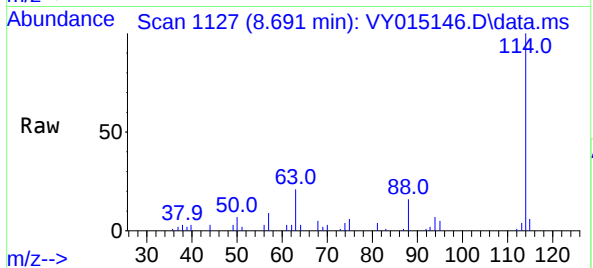
Tgt Ion:114 Resp: 15571

Ion Ratio Lower Upper

114 100

63 20.8 0.0 42.4

88 16.3 0.0 30.6



#35

Dibromofluoromethane

Concen: 46.948 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY015146.D

Acq: 16 Aug 2023 13:43

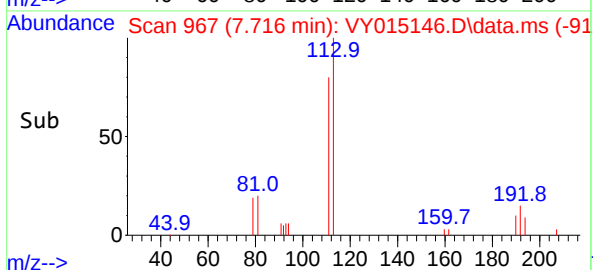
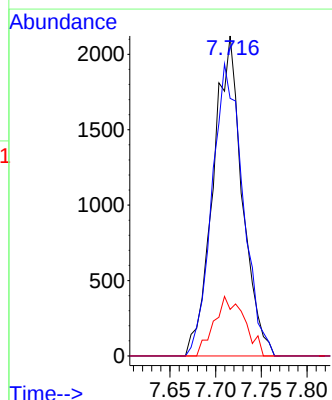
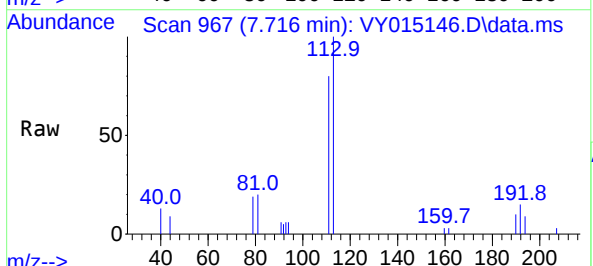
Tgt Ion:113 Resp: 4703

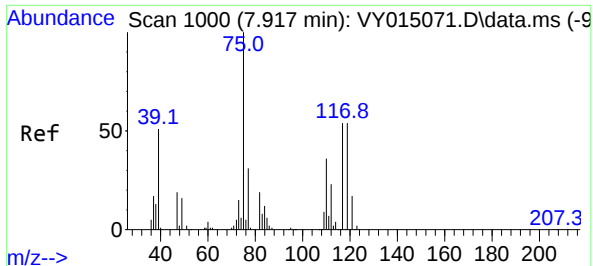
Ion Ratio Lower Upper

113 100

111 96.7 81.3 121.9

192 19.2 16.9 25.3





#36

1,1-Dichloropropene

Concen: 6.831 ug/l

RT: 7.771 min Scan# 91

Delta R.T. -0.140 min

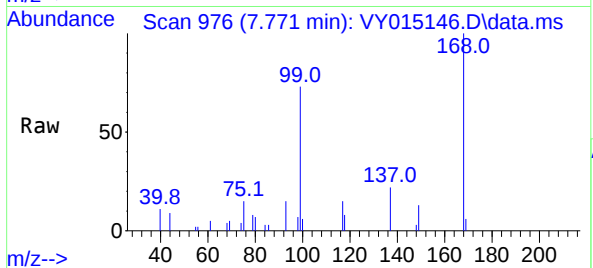
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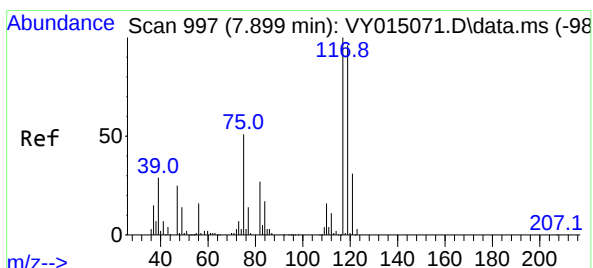
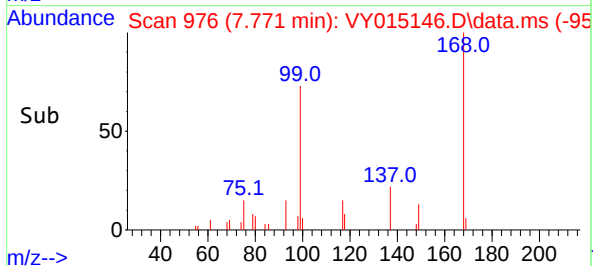
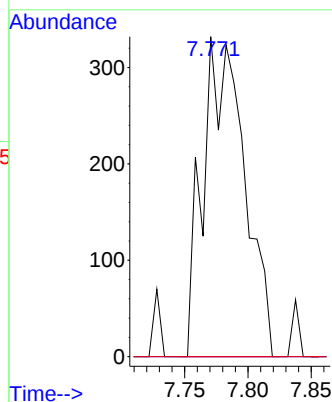
Tgt Ion: 75 Resp: 757

Ion Ratio Lower Upper

75 100

110 0.0 17.8 53.5#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 6.763 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.116 min

Lab File: VY015146.D

Acq: 16 Aug 2023 13:43

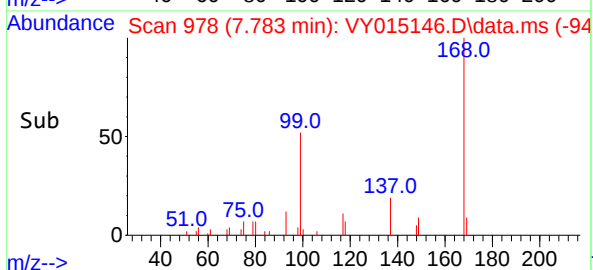
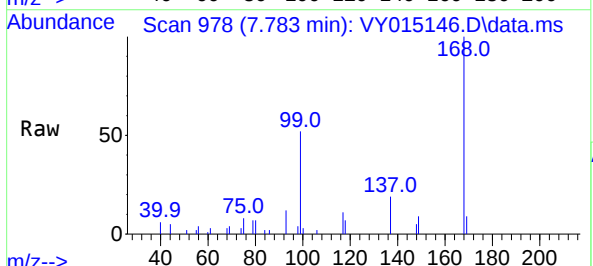
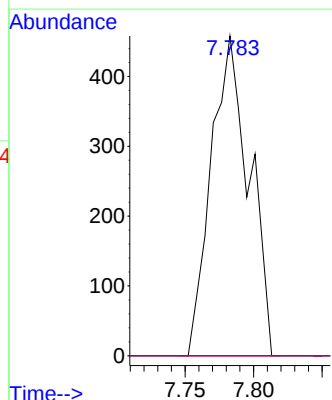
Tgt Ion: 117 Resp: 887

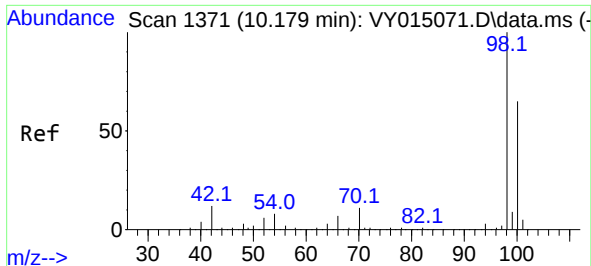
Ion Ratio Lower Upper

117 100

119 0.0 76.4 114.6#

121 0.0 25.8 38.6#

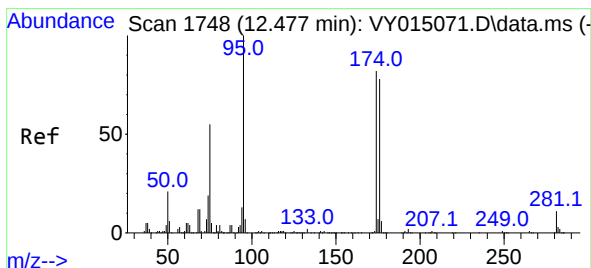
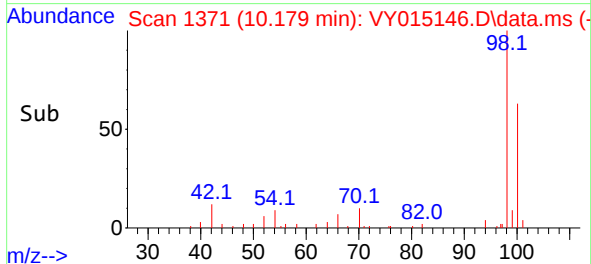
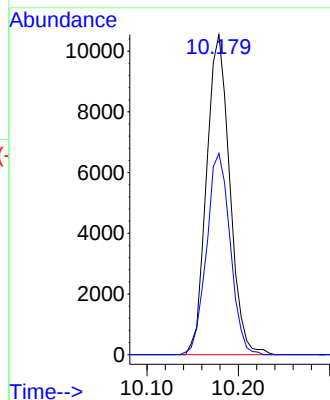
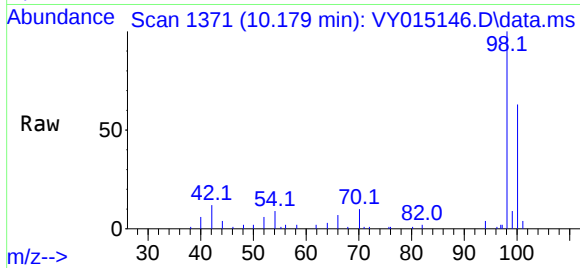




#50
Toluene-d8
Concen: 49.686 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY015146.D
Acq: 16 Aug 2023 13:43

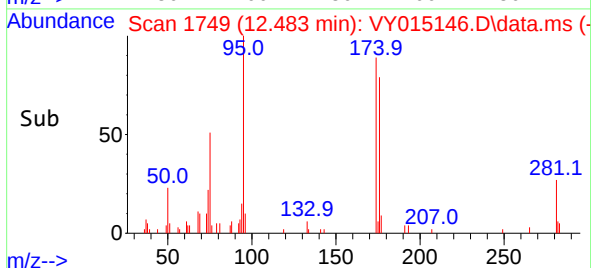
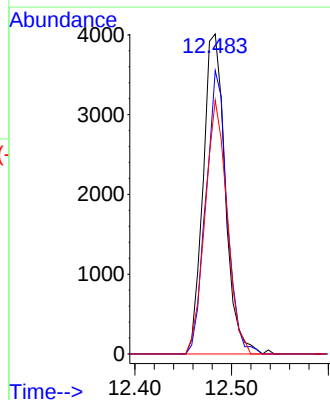
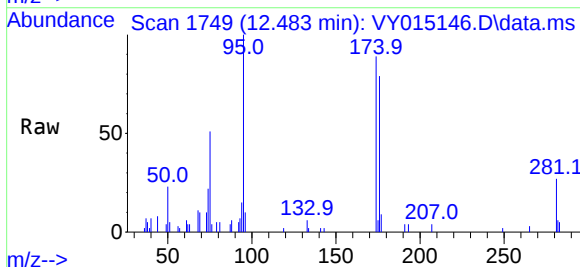
Instrument :
MSVOA_Y
ClientSampleId :

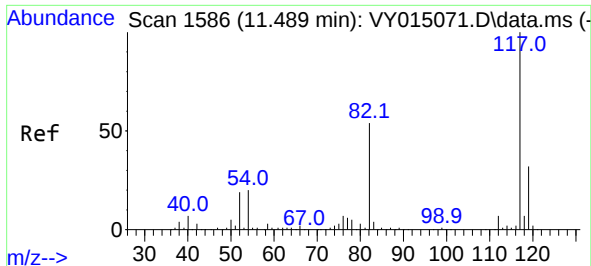
Tgt Ion: 98 Resp: 18528
Ion Ratio Lower Upper
98 100
100 64.1 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 46.879 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY015146.D
Acq: 16 Aug 2023 13:43

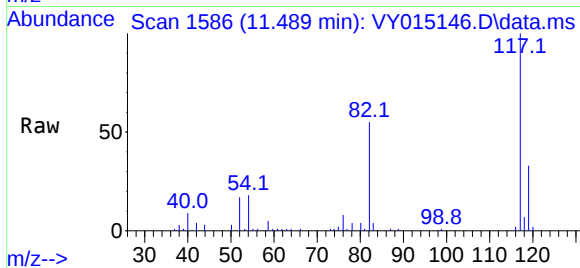
Tgt Ion: 95 Resp: 6385
Ion Ratio Lower Upper
95 100
174 84.5 0.0 178.2
176 79.1 0.0 173.8



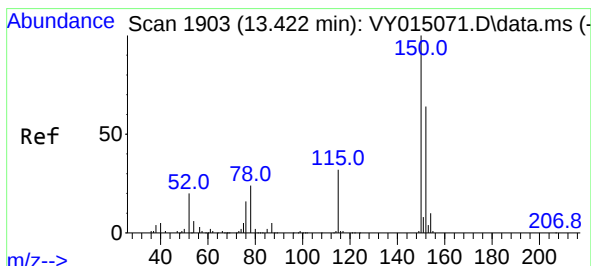
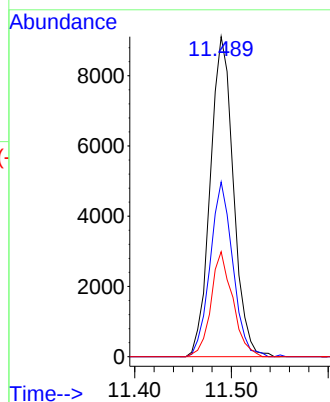
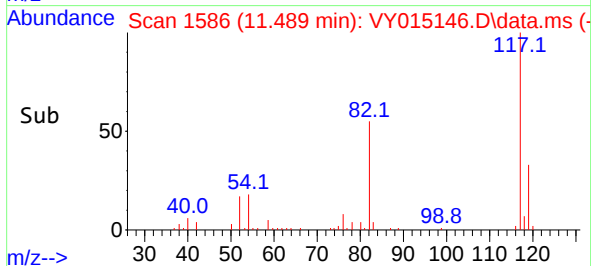


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY015146.D
Acq: 16 Aug 2023 13:43

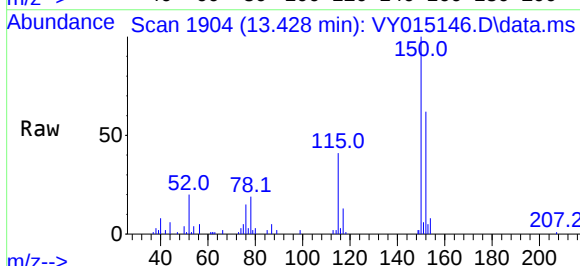
Instrument :
MSVOA_Y
ClientSampleId :



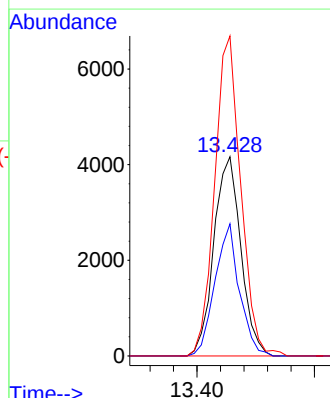
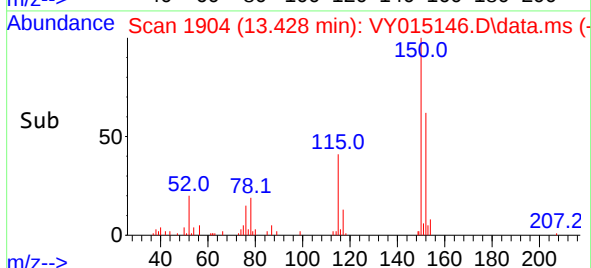
Tgt Ion:117 Resp: 15164
Ion Ratio Lower Upper
117 100
82 54.6 43.4 65.0
119 32.8 26.3 39.5

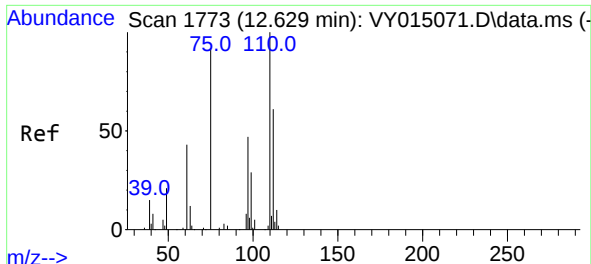


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY015146.D
Acq: 16 Aug 2023 13:43



Tgt Ion:152 Resp: 6654
Ion Ratio Lower Upper
152 100
115 60.1 28.8 86.5
150 155.0 0.0 348.8

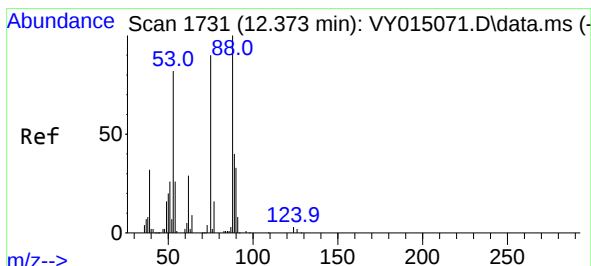
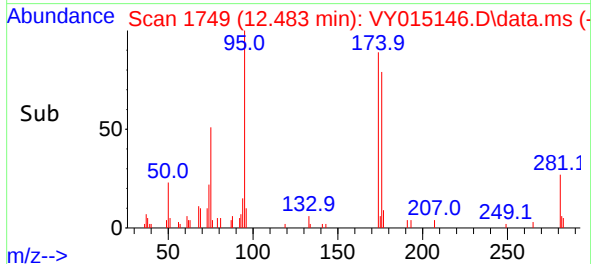
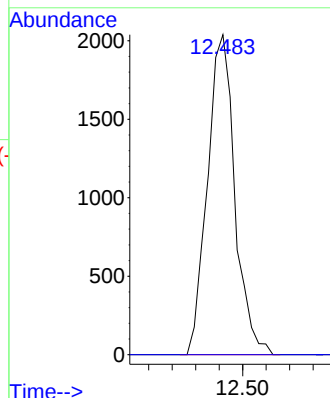
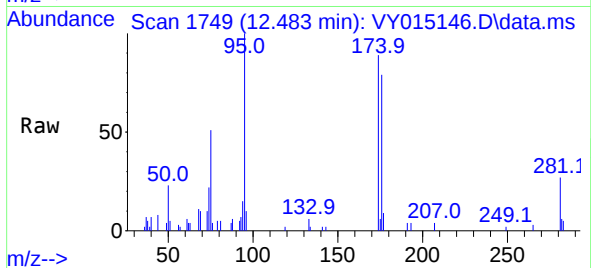




#76
1,2,3-Trichloropropane
Concen: 40.796 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.146 min
Lab File: VY015146.D
Acq: 16 Aug 2023 13:43

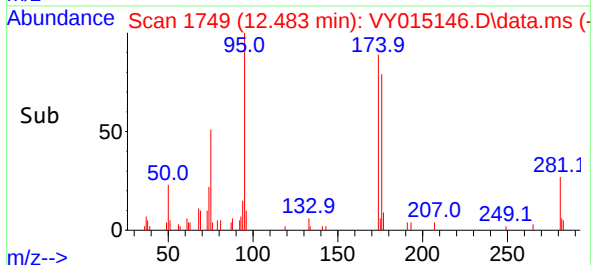
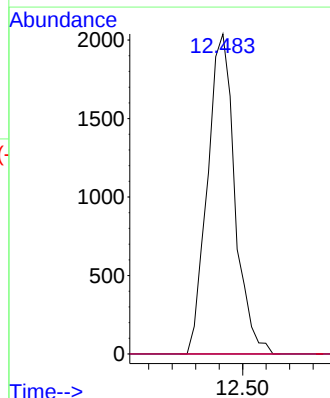
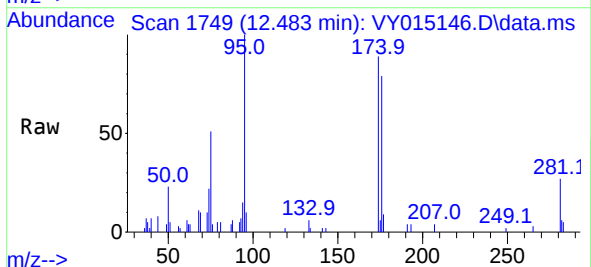
Instrument :
MSVOA_Y
ClientSampleId :

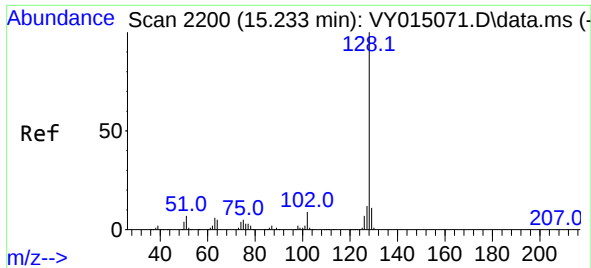
Tgt Ion: 75 Resp: 3298
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 89.608 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.110 min
Lab File: VY015146.D
Acq: 16 Aug 2023 13:43

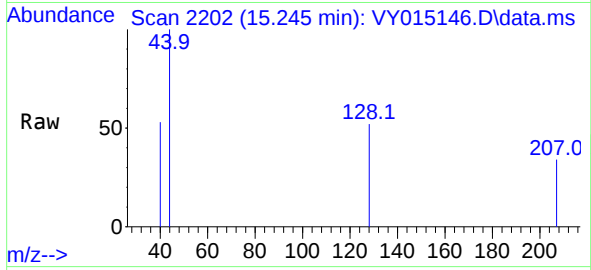
Tgt Ion: 75 Resp: 3298
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#





#95
Naphthalene
Concen: 1.155 ug/l
RT: 15.245 min Scan# 21
Delta R.T. 0.012 min
Lab File: VY015146.D
Acq: 16 Aug 2023 13:43

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:	128	Resp:	357
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.8	16.2#
129	5.3	8.6	13.0#

