

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062824\
 Data File : VY018730.D
 Acq On : 28 Jun 2024 15:48
 Operator : SY/MD
 Sample : P1329-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jul 01 01:46:41 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y061324S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 14 07:08:24 2024
 Response via : Initial Calibration

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

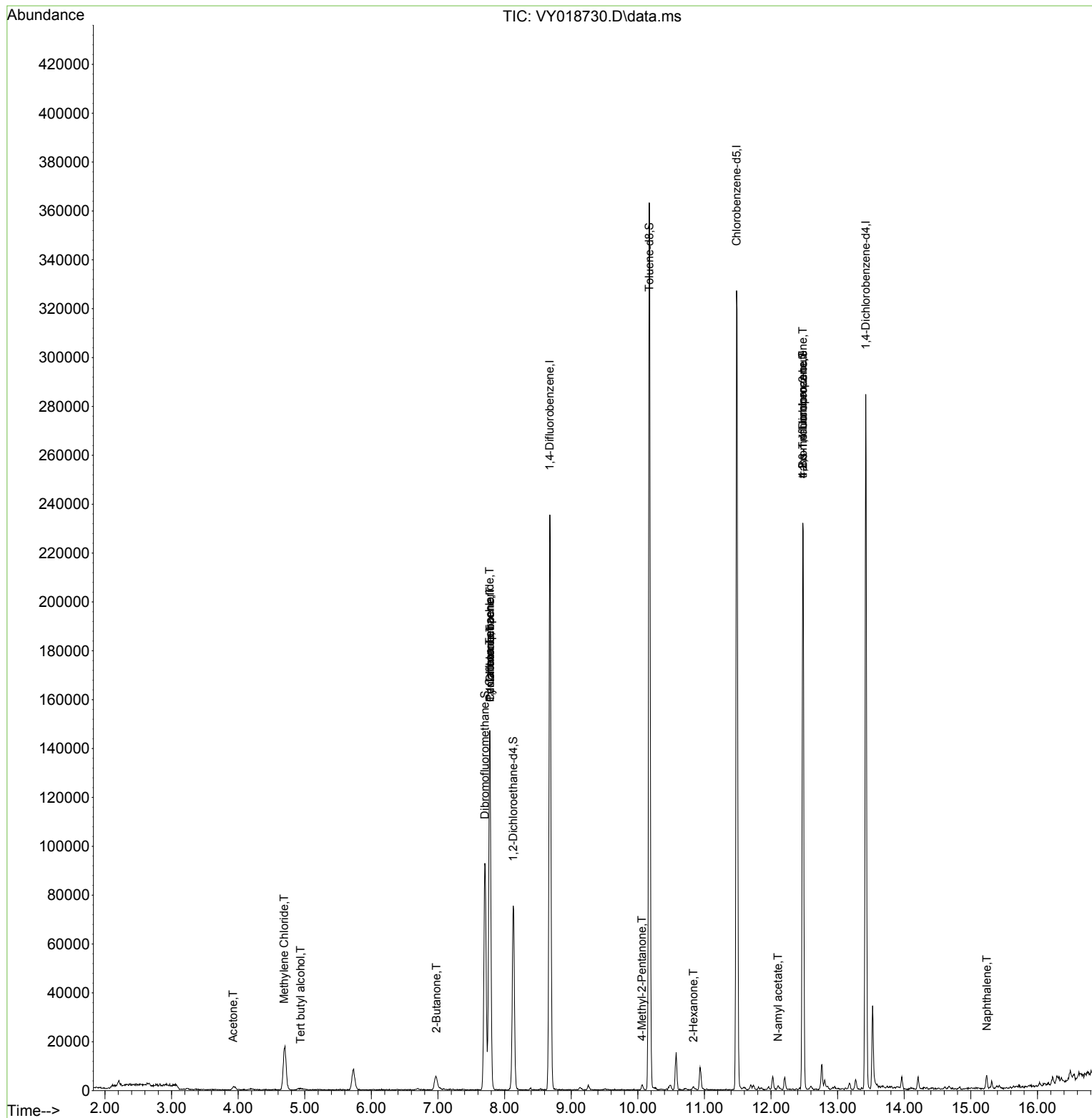
Internal Standards						
1) Pentafluorobenzene	7.783	168	115985	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.679	114	212730	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	190780	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	74137	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	57766	49.469	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.940%
35) Dibromofluoromethane	7.704	113	66111	50.945	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.900%
50) Toluene-d8	10.173	98	243668	48.827	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.660%
62) 4-Bromofluorobenzene	12.477	95	71143	45.146	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	90.300%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.936	59	1215	5.784	ug/l #	88
16) Acetone	3.924	43	2832	11.920	ug/l #	71
20) Methylene Chloride	4.692	84	14427	1.089	ug/l	94
25) 2-Butanone	6.978	43	1455	4.086	ug/l #	86
31) Cyclohexane	7.783	56	2103	1.176	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	8893	4.979	ug/l #	47
38) Carbon Tetrachloride	7.777	117	11523	6.149	ug/l #	18
51) 4-Methyl-2-Pentanone	10.063	43	1409	1.702	ug/l	94
59) 2-Hexanone	10.837	43	1089	1.878	ug/l	84
74) N-amyl acetate	12.105	43	1660	1.497	ug/l #	37
76) 1,2,3-Trichloropropane	12.477	75	37015	53.226	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	37015	139.418	ug/l #	16
95) Naphthalene	15.239	128	4860	2.164	ug/l	96

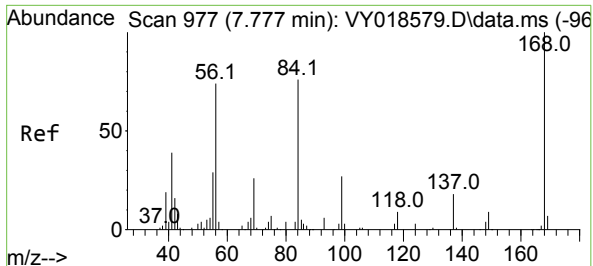
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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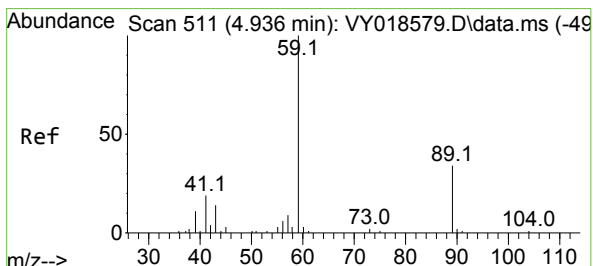
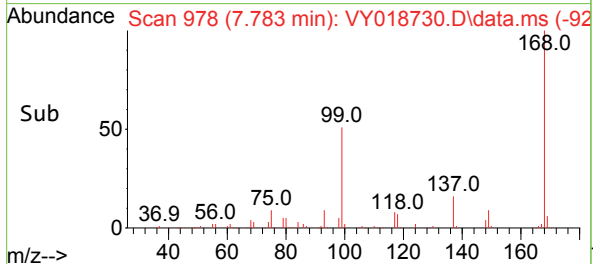
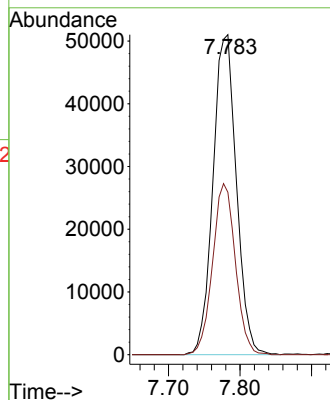
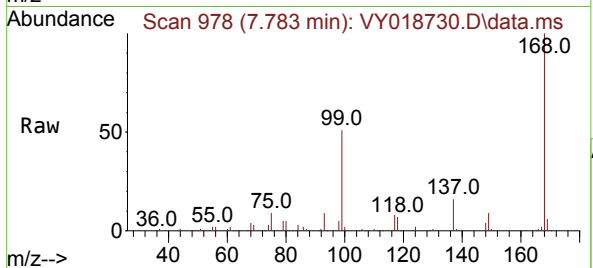




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY018730.D
Acq: 28 Jun 2024 15:48

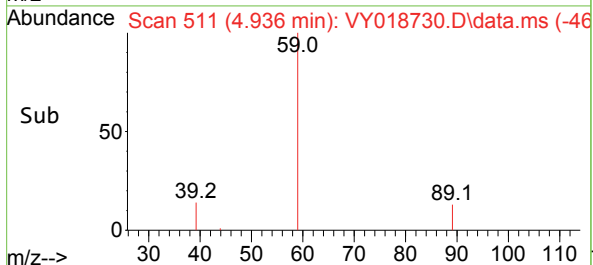
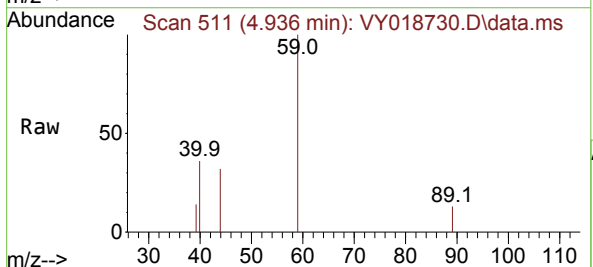
Instrument :
MSVOA_Y
ClientSampleId :

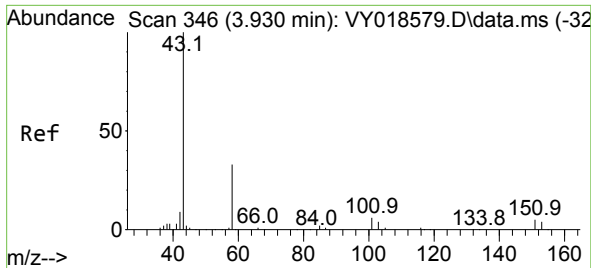
Tgt Ion:168 Resp: 115985
Ion Ratio Lower Upper
168 100
99 50.8 39.1 58.7



#11
Tert butyl alcohol
Concen: 5.784 ug/l
RT: 4.936 min Scan# 511
Delta R.T. -0.000 min
Lab File: VY018730.D
Acq: 28 Jun 2024 15:48

Tgt Ion: 59 Resp: 1215
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.6#





#16

Acetone

Concen: 11.920 ug/l

RT: 3.924 min Scan# 34

Delta R.T. -0.006 min

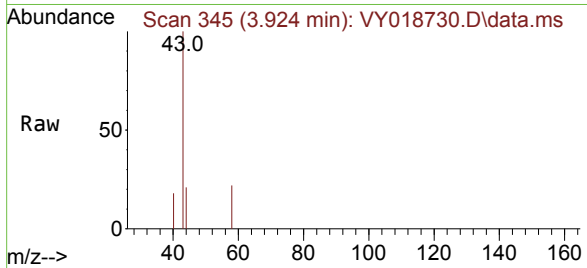
Lab File: VY018730.D

Acq: 28 Jun 2024 15:48

Instrument :

MSVOA_Y

ClientSampleId :

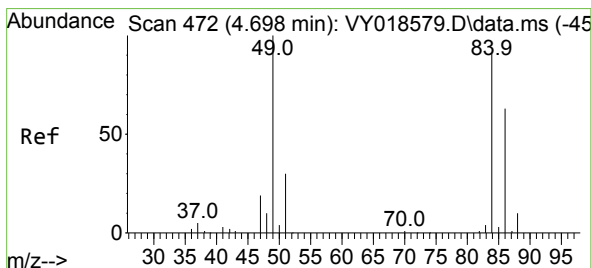
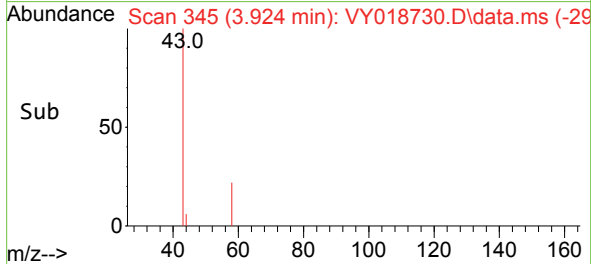
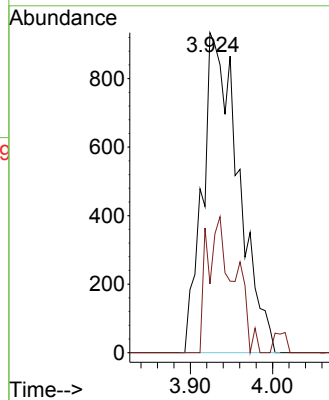


Tgt Ion: 43 Resp: 2832

Ion Ratio Lower Upper

43 100

58 21.5 31.7 47.5#



#20

Methylene Chloride

Concen: 1.089 ug/l

RT: 4.692 min Scan# 471

Delta R.T. -0.006 min

Lab File: VY018730.D

Acq: 28 Jun 2024 15:48

Tgt Ion: 84 Resp: 14427

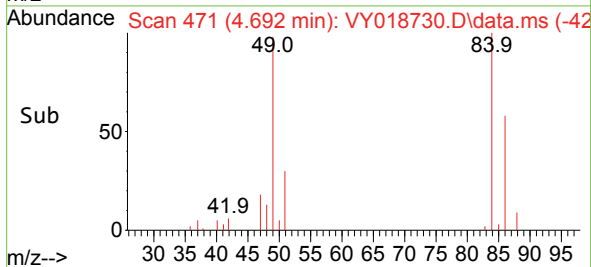
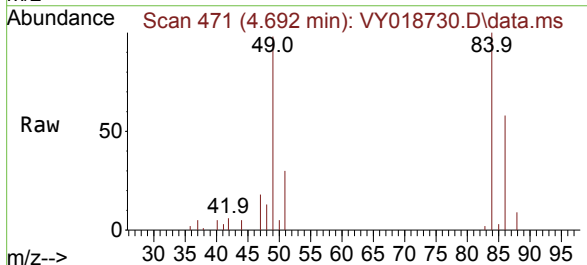
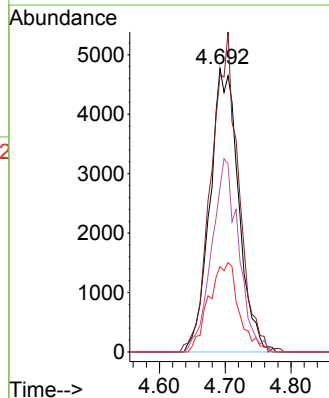
Ion Ratio Lower Upper

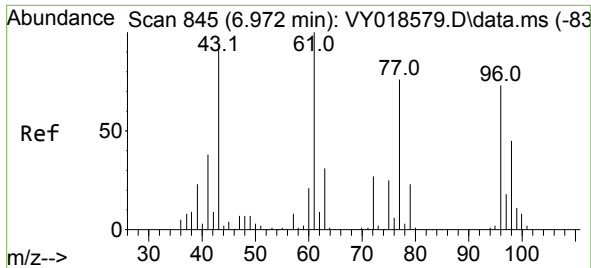
84 100

49 97.8 84.4 126.6

51 30.1 26.0 39.0

86 58.1 49.5 74.3

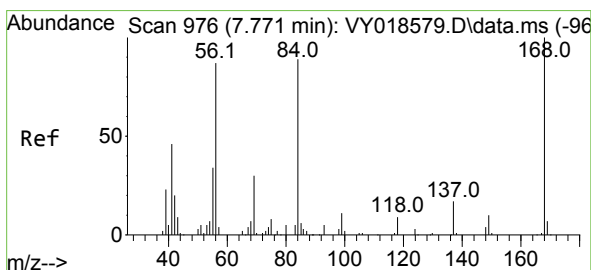
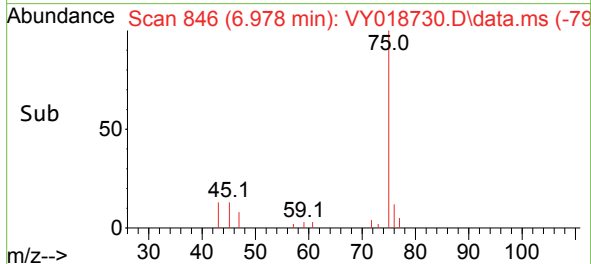
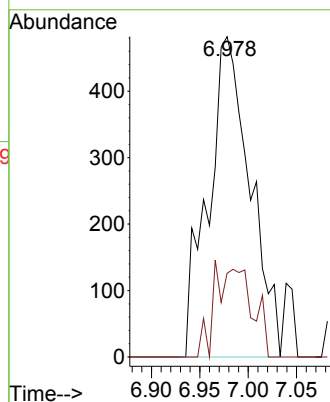
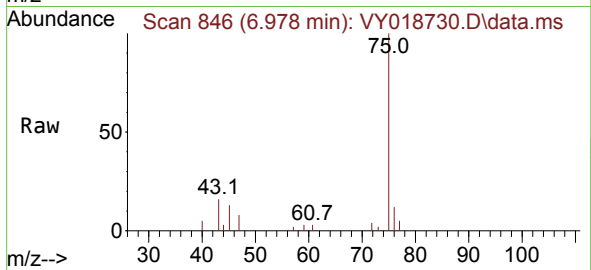




#25
2-Butanone
Concen: 4.086 ug/l
RT: 6.978 min Scan# 845
Delta R.T. 0.006 min
Lab File: VY018730.D
Acq: 28 Jun 2024 15:48

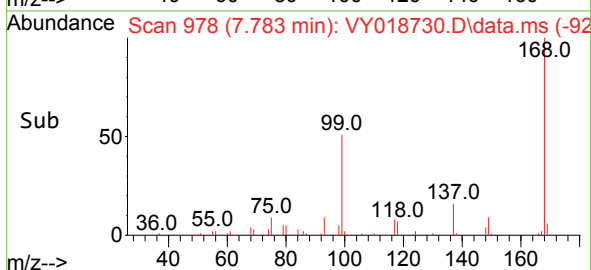
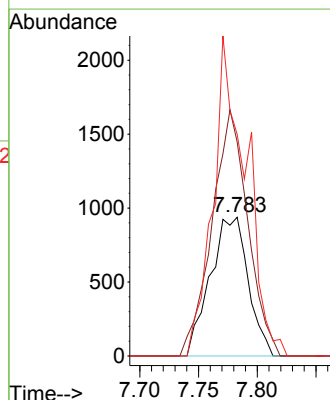
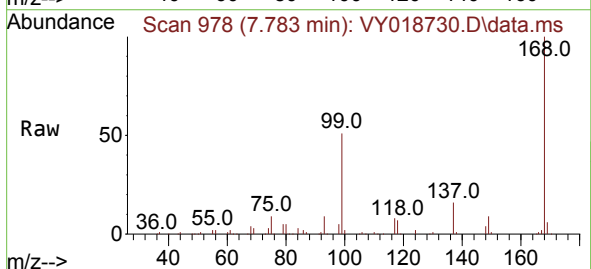
Instrument :
MSVOA_Y
ClientSampleId :

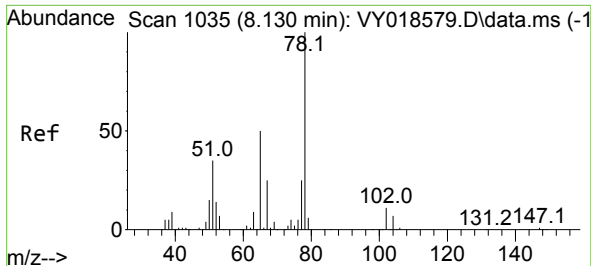
Tgt Ion: 43 Resp: 1455
Ion Ratio Lower Upper
43 100
72 26.1 27.3 40.9#



#31
Cyclohexane
Concen: 1.176 ug/l
RT: 7.783 min Scan# 978
Delta R.T. 0.012 min
Lab File: VY018730.D
Acq: 28 Jun 2024 15:48

Tgt Ion: 56 Resp: 2103
Ion Ratio Lower Upper
56 100
69 154.4 28.7 43.1#
84 159.9 77.7 116.5#

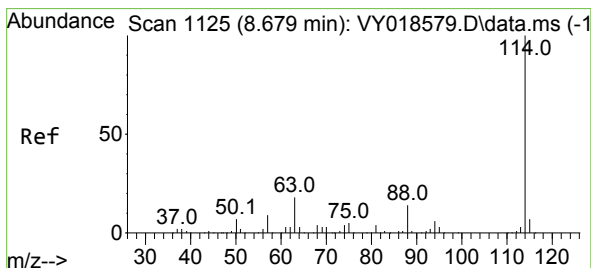
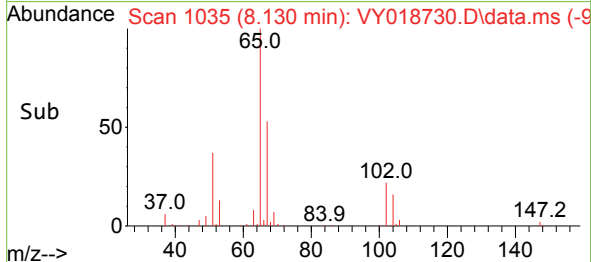
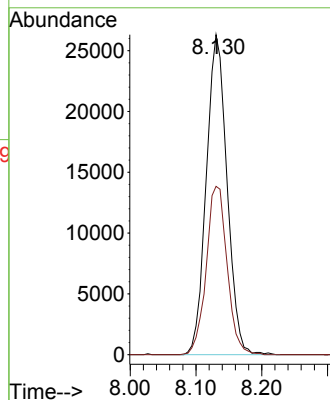
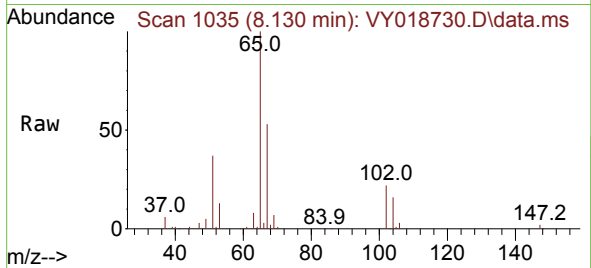




#33
 1,2-Dichloroethane-d4
 Concen: 49.469 ug/l
 RT: 8.130 min Scan# 1035
 Delta R.T. 0.000 min
 Lab File: VY018730.D
 Acq: 28 Jun 2024 15:48

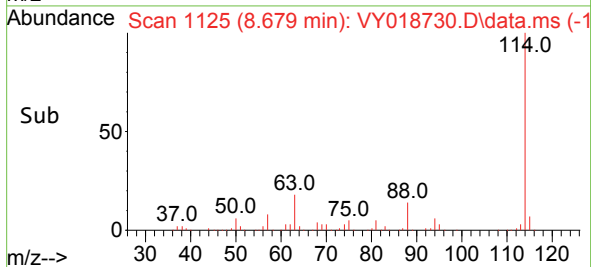
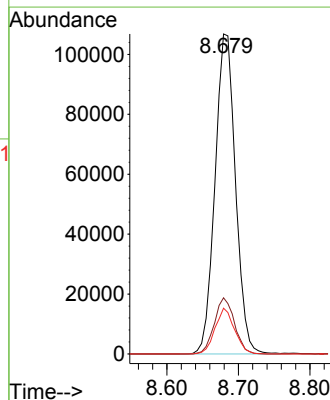
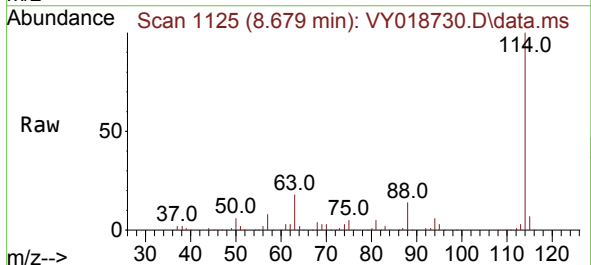
Instrument :
 MSVOA_Y
 ClientSampleId :

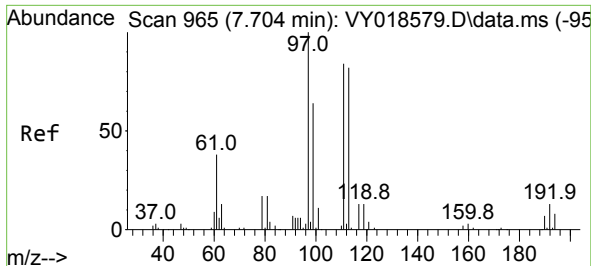
Tgt Ion: 65 Resp: 57766
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 109.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.679 min Scan# 1125
 Delta R.T. 0.000 min
 Lab File: VY018730.D
 Acq: 28 Jun 2024 15:48

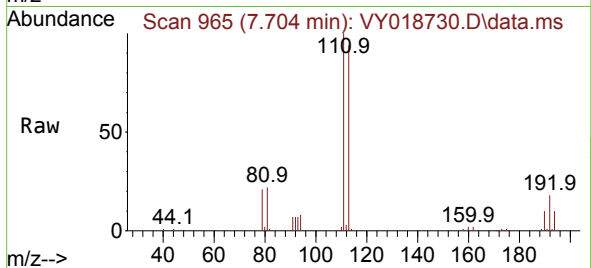
Tgt Ion:114 Resp: 212730
 Ion Ratio Lower Upper
 114 100
 63 17.6 0.0 35.0
 88 14.3 0.0 27.2



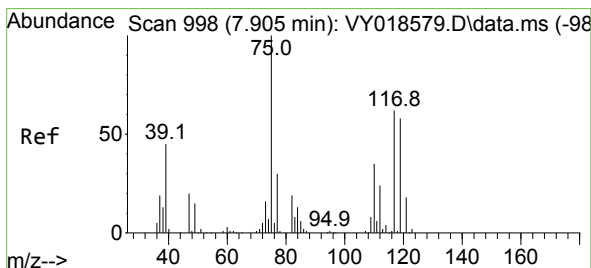
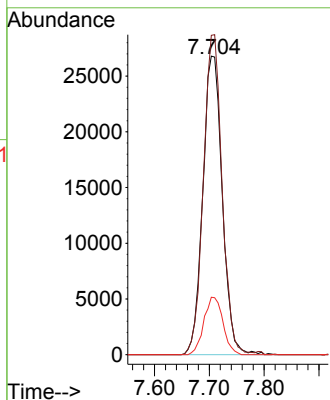
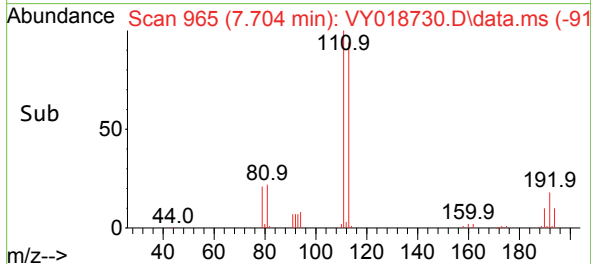


#35
Dibromofluoromethane
Concen: 50.945 ug/l
RT: 7.704 min Scan# 965
Delta R.T. 0.000 min
Lab File: VY018730.D
Acq: 28 Jun 2024 15:48

Instrument :
MSVOA_Y
ClientSampleId :

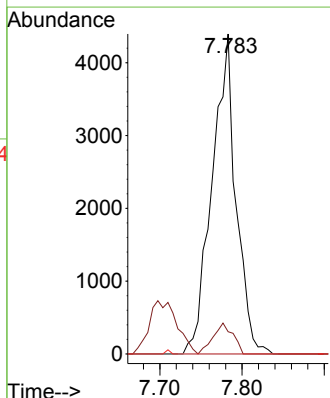
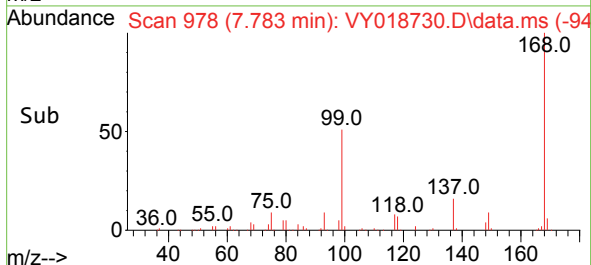
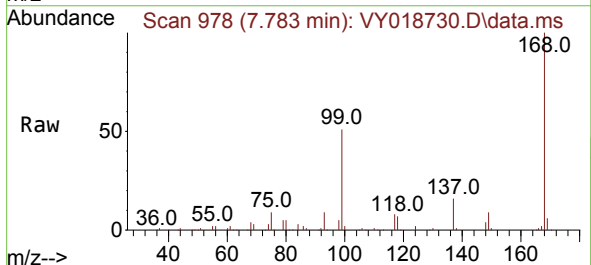


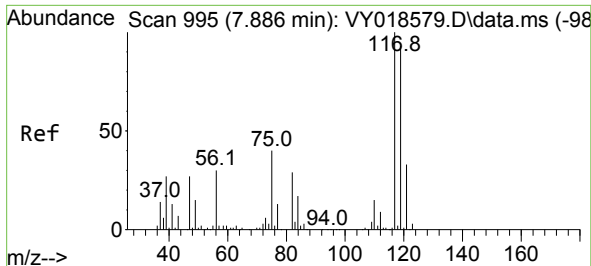
Tgt Ion:113 Resp: 66111
Ion Ratio Lower Upper
113 100
111 102.7 82.2 123.4
192 18.8 15.9 23.9



#36
1,1-Dichloropropene
Concen: 4.979 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.122 min
Lab File: VY018730.D
Acq: 28 Jun 2024 15:48

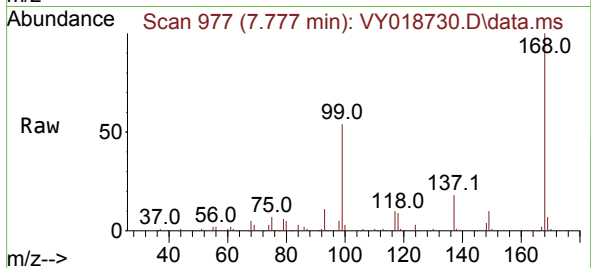
Tgt Ion: 75 Resp: 8893
Ion Ratio Lower Upper
75 100
110 8.0 19.0 57.0#
77 0.0 25.3 37.9#



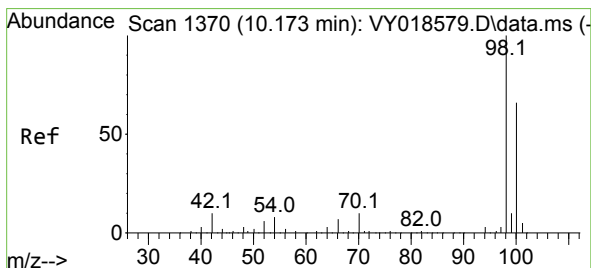
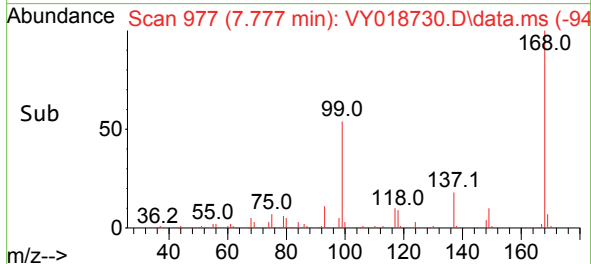
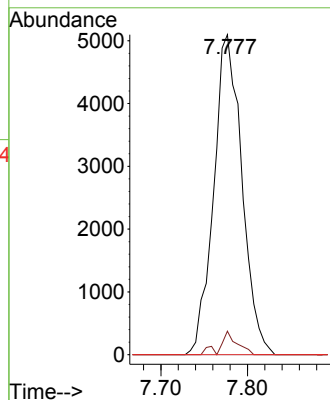


#38
Carbon Tetrachloride
Concen: 6.149 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY018730.D
Acq: 28 Jun 2024 15:48

Instrument :
MSVOA_Y
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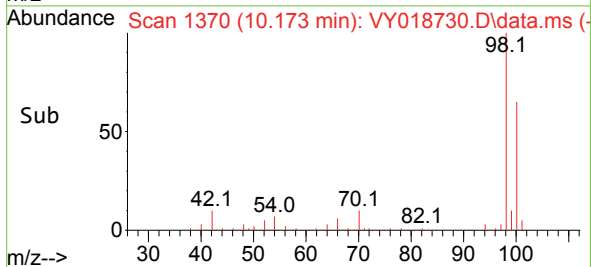
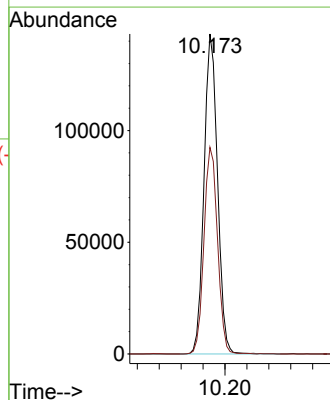
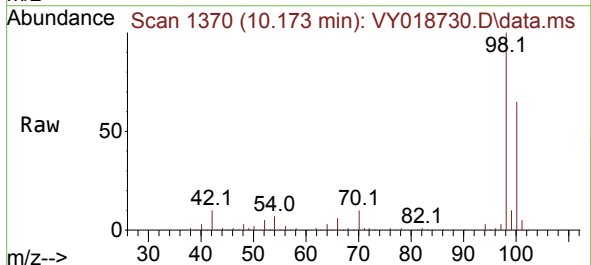


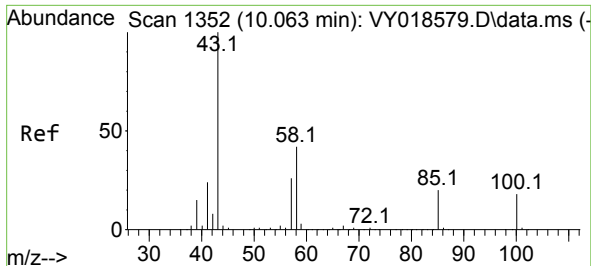
Tgt Ion:117 Resp: 11523
Ion Ratio Lower Upper
117 100
119 7.3 75.8 113.6#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 48.827 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. 0.000 min
Lab File: VY018730.D
Acq: 28 Jun 2024 15:48

Tgt Ion: 98 Resp: 243668
Ion Ratio Lower Upper
98 100
100 64.9 52.0 78.0

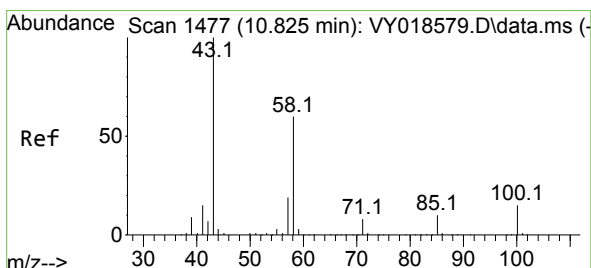
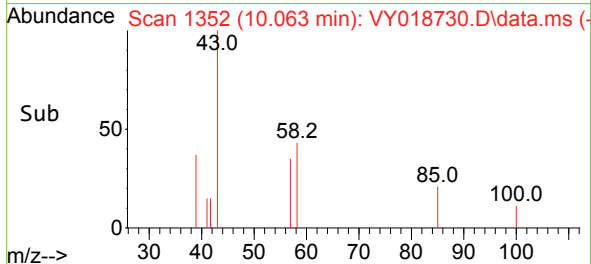
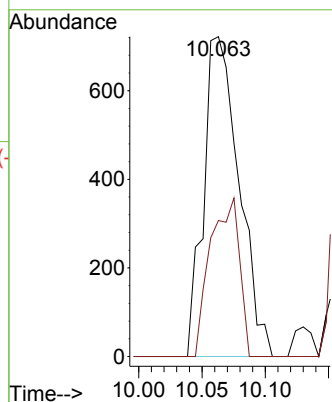
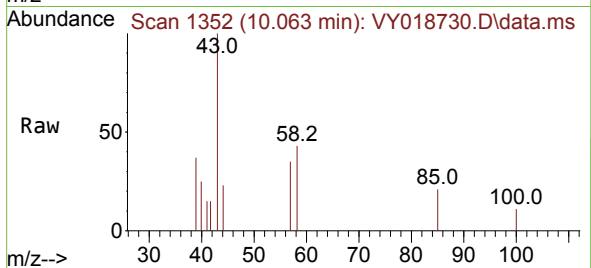




#51
4-Methyl-2-Pentanone
Concen: 1.702 ug/l
RT: 10.063 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY018730.D
Acq: 28 Jun 2024 15:48

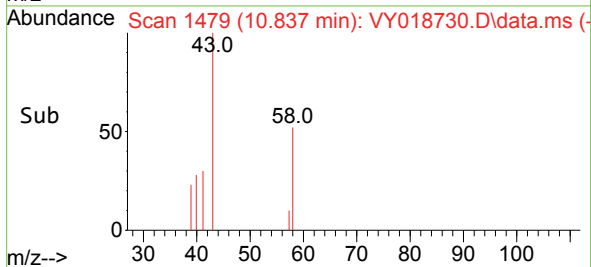
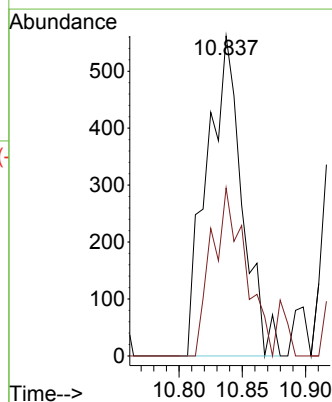
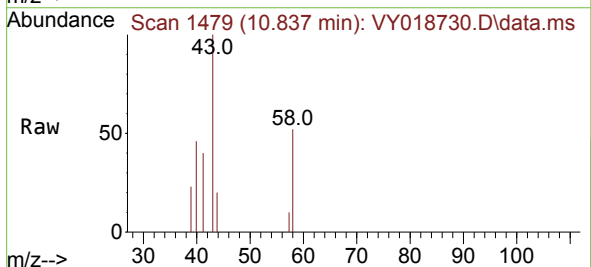
Instrument :
MSVOA_Y
ClientSampleId :

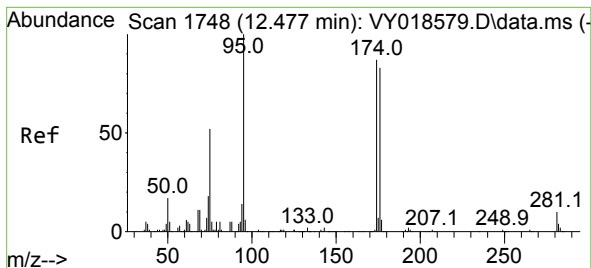
Tgt Ion: 43 Resp: 1409
Ion Ratio Lower Upper
43 100
58 40.5 35.7 53.5



#59
2-Hexanone
Concen: 1.878 ug/l
RT: 10.837 min Scan# 1479
Delta R.T. 0.012 min
Lab File: VY018730.D
Acq: 28 Jun 2024 15:48

Tgt Ion: 43 Resp: 1089
Ion Ratio Lower Upper
43 100
58 50.1 31.4 94.0

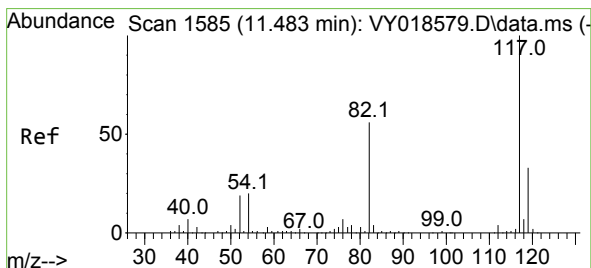
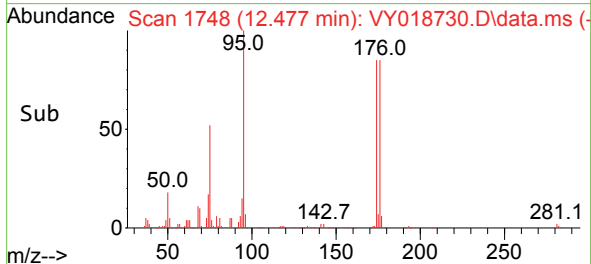
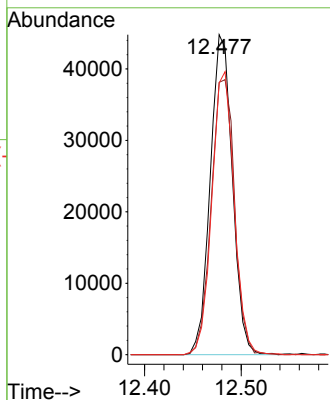
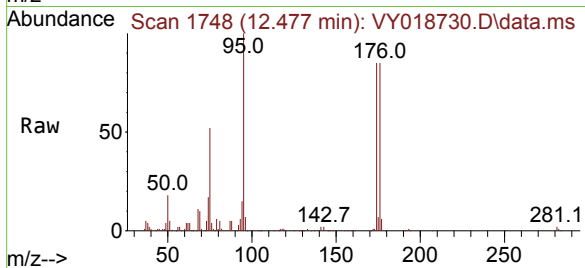




#62
4-Bromofluorobenzene
Concen: 45.146 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY018730.D
Acq: 28 Jun 2024 15:48

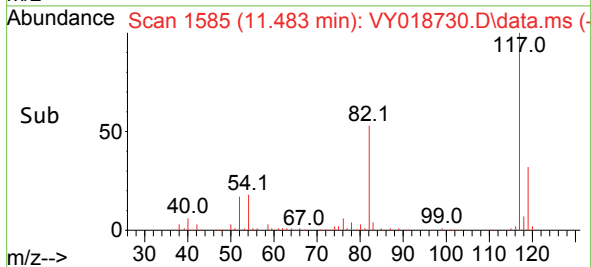
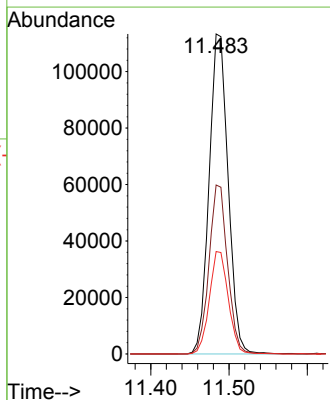
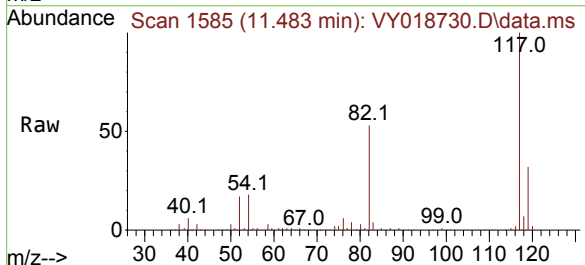
Instrument :
MSVOA_Y
ClientSampleId :

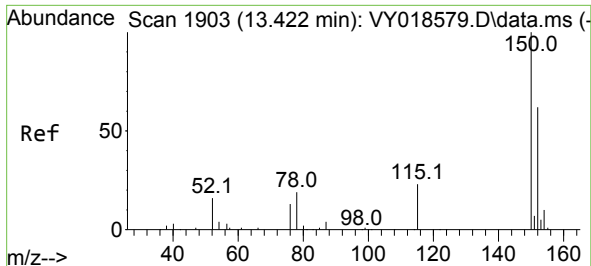
Tgt Ion: 95 Resp: 71143
Ion Ratio Lower Upper
95 100
174 90.6 0.0 175.6
176 89.1 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.483 min Scan# 1585
Delta R.T. 0.000 min
Lab File: VY018730.D
Acq: 28 Jun 2024 15:48

Tgt Ion: 117 Resp: 190780
Ion Ratio Lower Upper
117 100
82 52.8 42.4 63.6
119 32.0 25.9 38.9

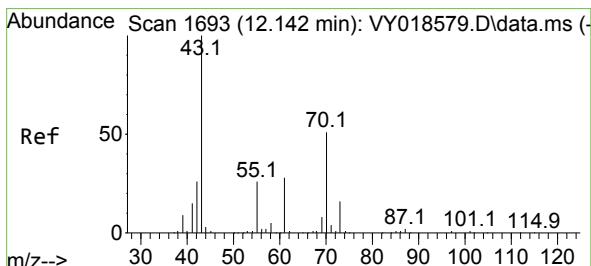
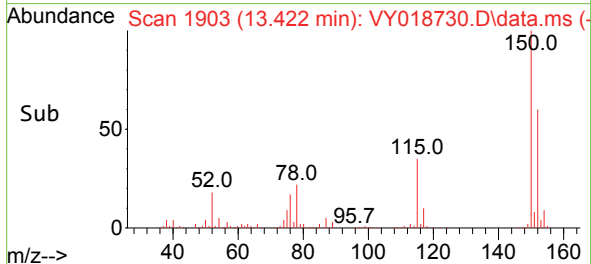
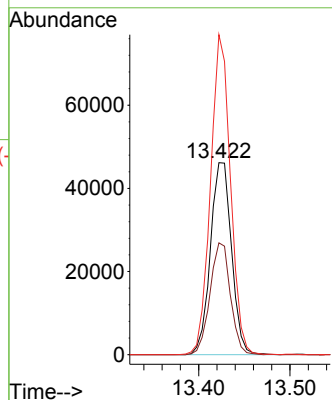
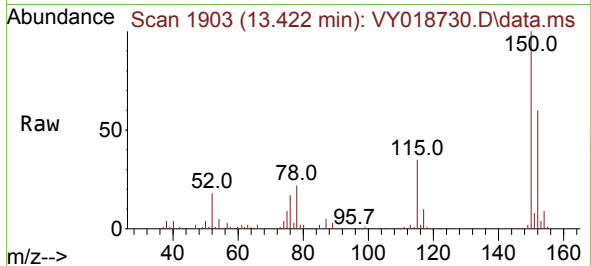




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. 0.000 min
 Lab File: VY018730.D
 Acq: 28 Jun 2024 15:48

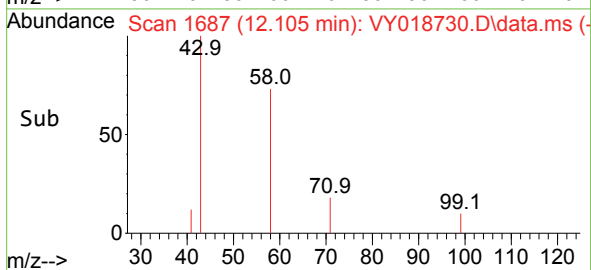
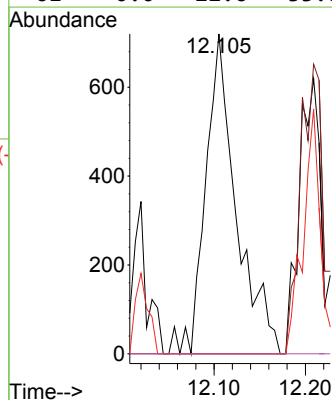
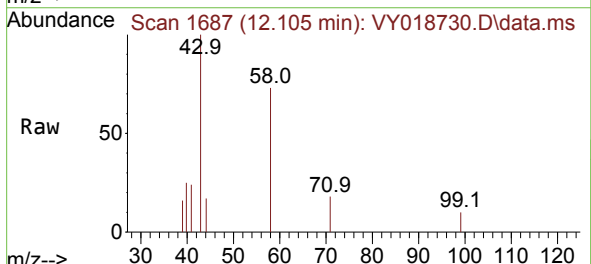
Instrument :
 MSVOA_Y
 ClientSampleId :

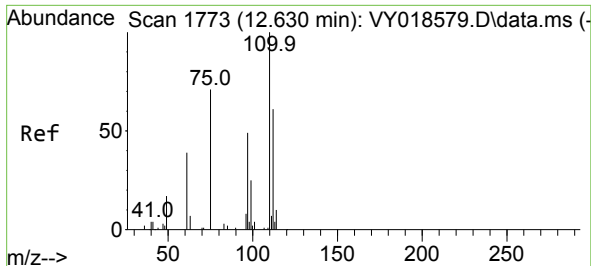
Tgt Ion:152 Resp: 74137
 Ion Ratio Lower Upper
 152 100
 115 56.2 28.2 84.7
 150 157.0 0.0 345.6



#74
 N-ethyl acetate
 Concen: 1.497 ug/l
 RT: 12.105 min Scan# 1687
 Delta R.T. -0.037 min
 Lab File: VY018730.D
 Acq: 28 Jun 2024 15:48

Tgt Ion: 43 Resp: 1660
 Ion Ratio Lower Upper
 43 100
 70 0.0 41.4 62.2#
 55 0.0 23.3 34.9#
 61 0.0 22.6 33.8#

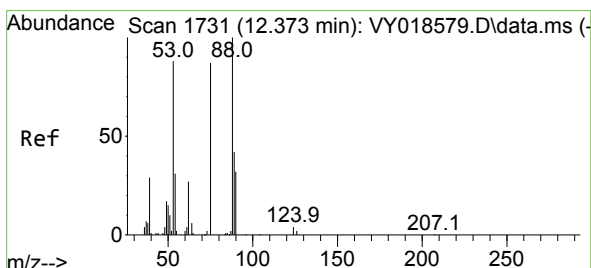
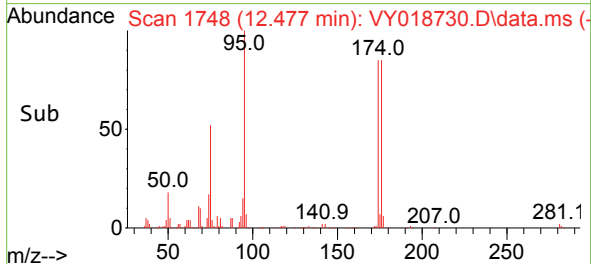
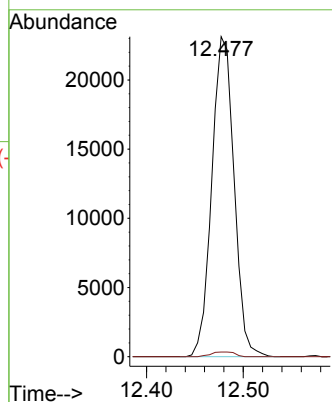
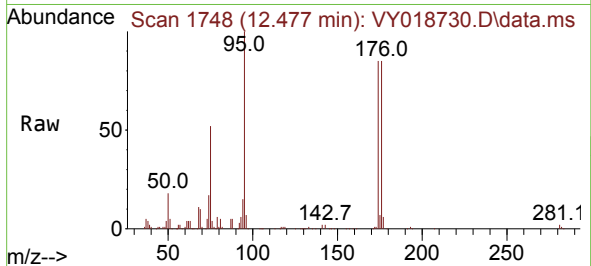




#76
1,2,3-Trichloropropane
Concen: 53.226 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY018730.D
Acq: 28 Jun 2024 15:48

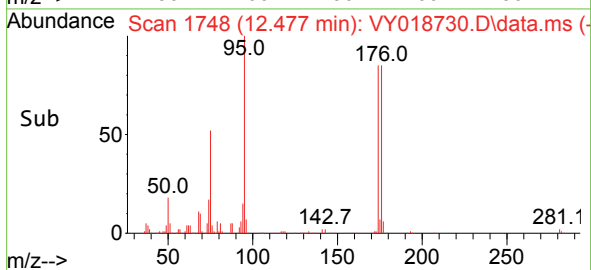
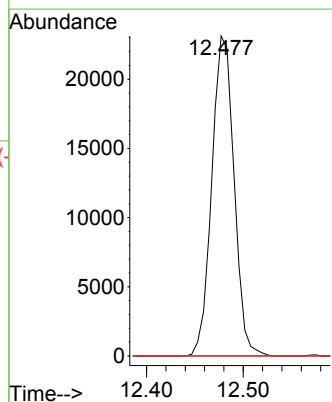
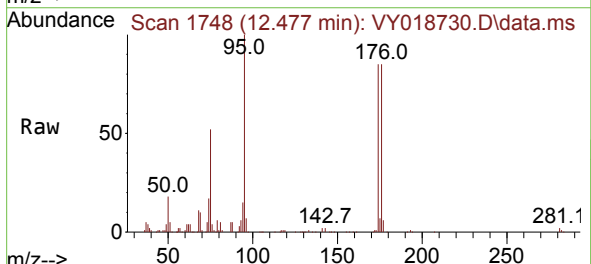
Instrument :
MSVOA_Y
ClientSampleId :

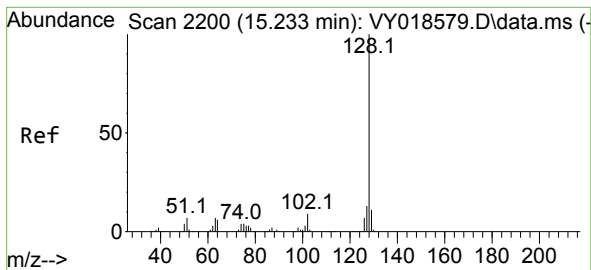
Tgt Ion: 75 Resp: 37015
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 139.418 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY018730.D
Acq: 28 Jun 2024 15:48

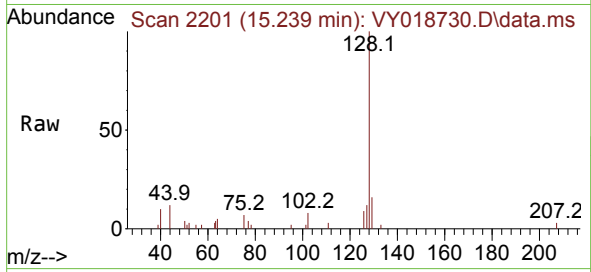
Tgt Ion: 75 Resp: 37015
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.0 35.8 53.6#





#95
Naphthalene
Concen: 2.164 ug/l
RT: 15.239 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY018730.D
Acq: 28 Jun 2024 15:48

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:	128	Resp:	4860
Ion	Ratio	Lower	Upper
128	100		
127	11.7	10.6	16.0
129	12.0	8.6	13.0

