

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062824\
 Data File : VY018734.D
 Acq On : 28 Jun 2024 17:26
 Operator : SY/MD
 Sample : VIBLK
 Misc : 8.2g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jul 01 01:49:07 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	7.795	168	346	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.685	114	1287	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	2465	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	3213	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.124	65	556	159.610	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	319.220%#
35) Dibromofluoromethane	7.710	113	248	31.589	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	63.180%
50) Toluene-d8	10.179	98	2150	71.211	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	142.420%#
62) 4-Bromofluorobenzene	12.483	95	10463	1097.469	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	2194.940%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.949	85	31	13.603	ug/l #	43
3) Chloromethane	2.107	50	164	34.942	ug/l #	43
4) Vinyl Chloride	2.144	62	25	4.301	ug/l #	42
5) Bromomethane	2.650	94	799	184.944	ug/l	98
6) Chloroethane	3.009	64	22	5.778	ug/l #	42
10) Methyl Iodide	4.082	142	213	53.814	ug/l #	54
11) Tert butyl alcohol	4.899	59	1267	2022.049	ug/l #	88
12) 1,1-Dichloroethene	3.832	96	44	13.388	ug/l #	1
13) Acrolein	3.692	56	42	208.493	ug/l #	15
14) Allyl chloride	4.442	41	68	15.348	ug/l #	44
16) Acetone	3.924	43	442	623.656	ug/l #	36
18) Methyl Acetate	4.253	43	22	12.238	ug/l #	46
20) Methylene Chloride	4.680	84	807	214.181	ug/l #	82
22) Diisopropyl ether	6.344	45	20	2.000	ug/l #	37
23) Vinyl Acetate	6.112	43	52	28.242	ug/l #	67
25) 2-Butanone	6.978	43	83	78.129	ug/l #	41
26) 2,2-Dichloropropane	6.966	77	440	81.044	ug/l #	61
29) Tetrahydrofuran	7.344	42	23	35.279	ug/l #	26
30) Chloroform	7.740	83	76	10.822	ug/l	96
31) Cyclohexane	7.819	56	43	8.058	ug/l #	21
32) 1,1,1-Trichloroethane	7.691	97	40	6.705	ug/l #	25
36) 1,1-Dichloropropene	7.947	75	45	4.164	ug/l #	1
37) Ethyl Acetate	7.076	43	50	9.815	ug/l #	67
39) Methylcyclohexane	9.203	83	137	10.347	ug/l #	22
41) Methacrylonitrile	7.271	41	96	37.469	ug/l #	23
43) Isopropyl Acetate	8.271	43	69	7.257	ug/l #	47
46) Dibromomethane	9.301	93	424	89.418	ug/l #	8
47) Bromodichloromethane	9.520	83	369	32.605	ug/l #	26
48) Methyl methacrylate	9.301	41	492	114.940	ug/l #	62
51) 4-Methyl-2-Pentanone	10.191	43	240	47.920	ug/l	94
52) Toluene	10.039	92	111	5.173	ug/l	82
53) t-1,3-Dichloropropene	10.569	75	29	2.932	ug/l #	45
54) cis-1,3-Dichloropropene	9.782	75	23	1.927	ug/l #	40
55) 1,1,2-Trichloroethane	10.642	97	143	22.674	ug/l #	42
56) Ethyl methacrylate	10.502	69	171	20.720	ug/l #	1
57) 1,3-Dichloropropane	10.697	76	21	2.004	ug/l #	1

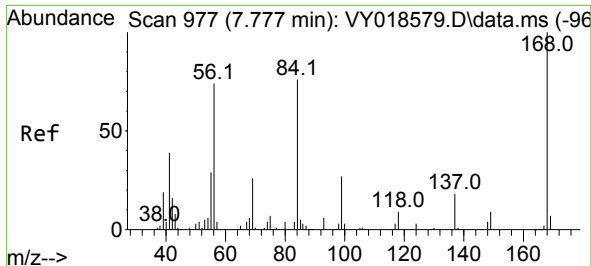
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 QLast Update : Fri Jun 14 07:08:24 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) 2-Hexanone	10.935	43	499	142.240	ug/l	63
60) Dibromochloromethane	10.996	129	83	10.594	ug/l	84
61) 1,2-Dibromoethane	10.935	107	276	47.352	ug/l	98
64) Tetrachloroethene	10.721	164	431	24.515	ug/l #	28
65) Chlorobenzene	11.502	112	424	8.327	ug/l #	42
66) 1,1,1,2-Tetrachloroethane	11.605	131	272	15.940	ug/l #	55
67) Ethyl Benzene	11.587	91	714	8.081	ug/l	95
68) m/p-Xylenes	11.697	106	445	12.943	ug/l #	16
69) o-Xylene	12.020	106	310	9.376	ug/l	84
70) Styrene	12.032	104	89	1.629	ug/l #	46
71) Bromoform	12.203	173	135	14.418	ug/l #	1
73) Isopropylbenzene	12.477	105	718	3.060	ug/l	92
74) N-amyl acetate	12.099	43	1040	21.647	ug/l #	53
75) 1,1,2,2-Tetrachloroethane	12.605	83	627	15.051	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	3818	126.678	ug/l #	100
77) Bromobenzene	12.355	156	3502	64.542	ug/l #	1
78) n-propylbenzene	12.916	91	404	1.471	ug/l	99
79) 2-Chlorotoluene	12.739	91	861	5.555	ug/l	70
80) 1,3,5-Trimethylbenzene	12.953	105	288	1.549	ug/l	93
81) trans-1,4-Dichloro-2-b...	12.386	75	275	23.900	ug/l #	34
82) 4-Chlorotoluene	12.739	91	861	5.516	ug/l	71
84) 1,2,4-Trimethylbenzene	13.111	105	222	1.194	ug/l	97
85) sec-Butylbenzene	13.215	105	453	1.846	ug/l	84
86) p-Isopropyltoluene	13.373	119	399	1.917	ug/l #	1
87) 1,3-Dichlorobenzene	13.355	146	291	2.659	ug/l #	69
89) n-Butylbenzene	13.550	91	545	2.906	ug/l	78
90) Hexachloroethane	13.952	117	628	16.613	ug/l	63
91) 1,2-Dichlorobenzene	13.739	146	590	6.311	ug/l #	1
92) 1,2-Dibromo-3-Chloropr...	14.361	75	23	3.813	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.001	180	849	16.300	ug/l #	4
94) Hexachlorobutadiene	15.086	225	66	2.466	ug/l #	1
95) Naphthalene	15.245	128	1262	12.966	ug/l #	76
96) 1,2,3-Trichlorobenzene	15.428	180	660	14.997	ug/l #	43

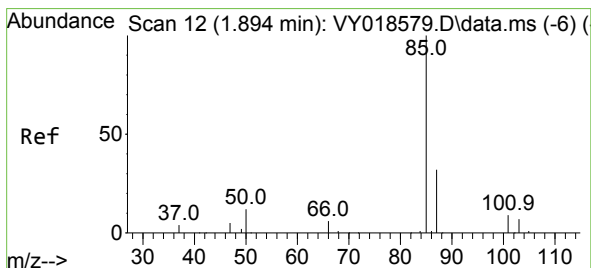
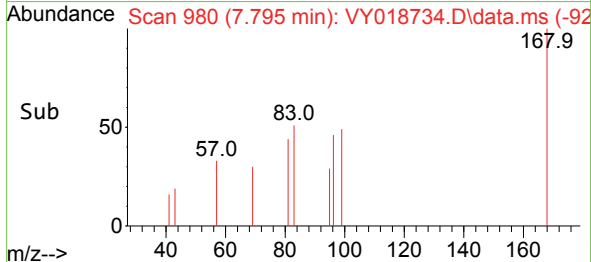
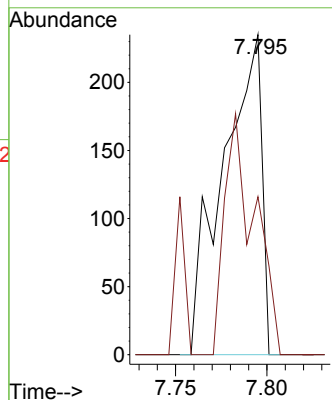
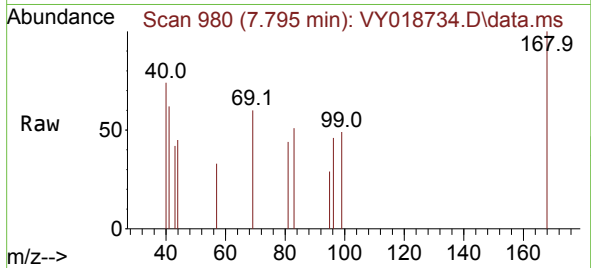
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.018 min
Lab File: VY018734.D
Acq: 28 Jun 2024 17:26

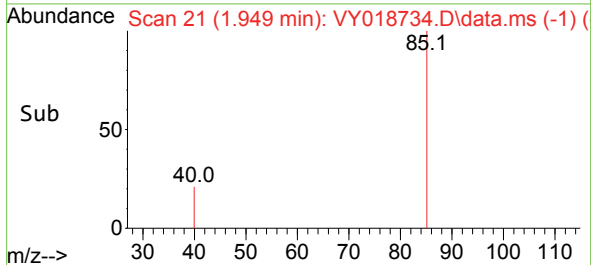
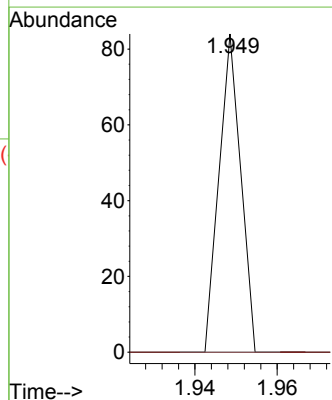
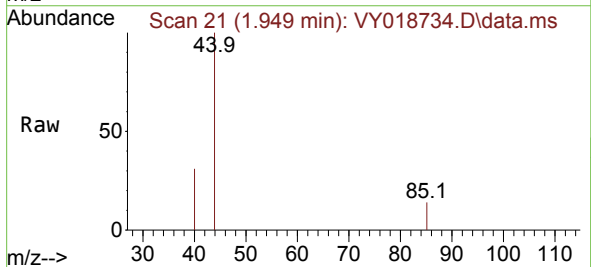
Instrument :
MSVOA_Y
ClientSampleId :

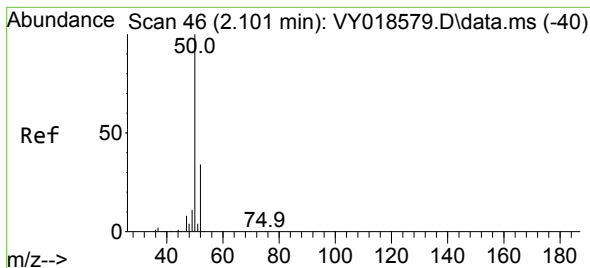
Tgt Ion:168 Resp: 346
Ion Ratio Lower Upper
168 100
99 49.4 39.1 58.7



#2
Dichlorodifluoromethane
Concen: 13.603 ug/l
RT: 1.949 min Scan# 21
Delta R.T. 0.055 min
Lab File: VY018734.D
Acq: 28 Jun 2024 17:26

Tgt Ion: 85 Resp: 31
Ion Ratio Lower Upper
85 100
87 0.0 16.0 48.0#





#3

Chloromethane

Concen: 34.942 ug/l

RT: 2.107 min Scan# 41

Delta R.T. 0.006 min

Lab File: VY018734.D

Acq: 28 Jun 2024 17:26

Instrument :

MSVOA_Y

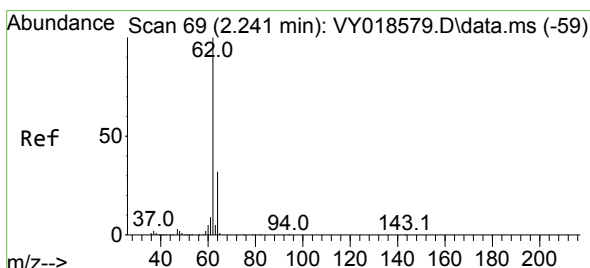
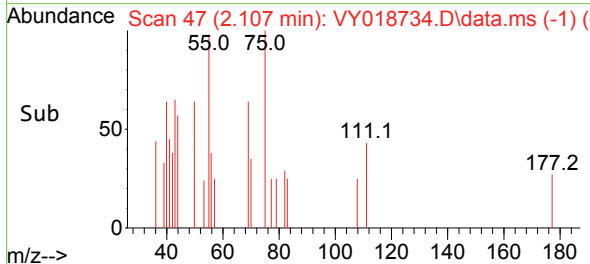
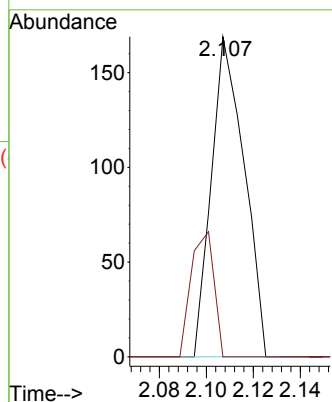
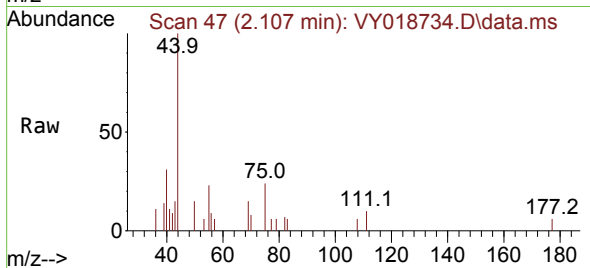
ClientSampleId :

Tgt Ion: 50 Resp: 164

Ion Ratio Lower Upper

50 100

52 0.0 25.6 38.4#



#4

Vinyl Chloride

Concen: 4.301 ug/l

RT: 2.144 min Scan# 53

Delta R.T. -0.098 min

Lab File: VY018734.D

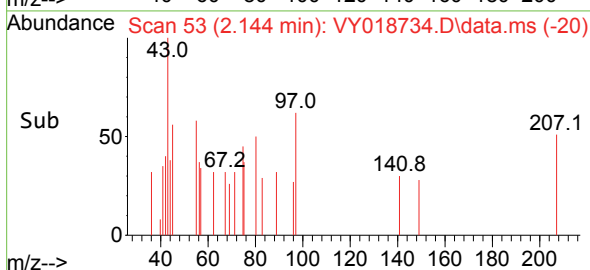
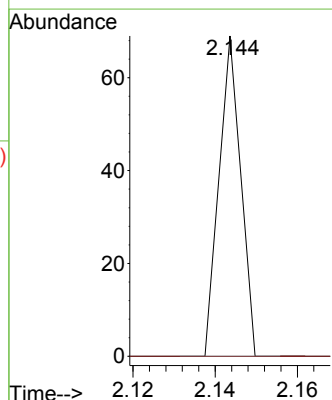
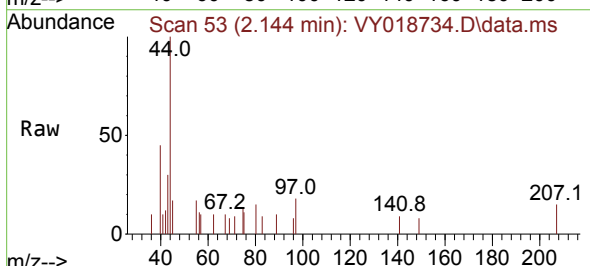
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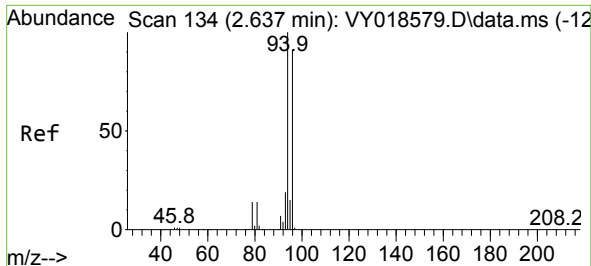
Tgt Ion: 62 Resp: 25

Ion Ratio Lower Upper

62 100

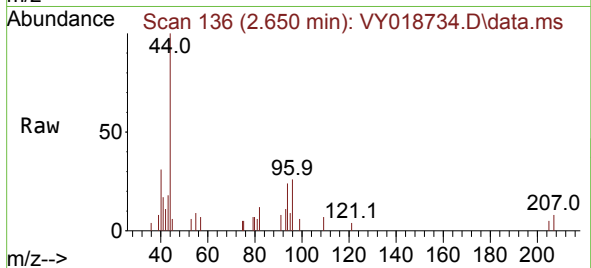
64 0.0 26.1 39.1#



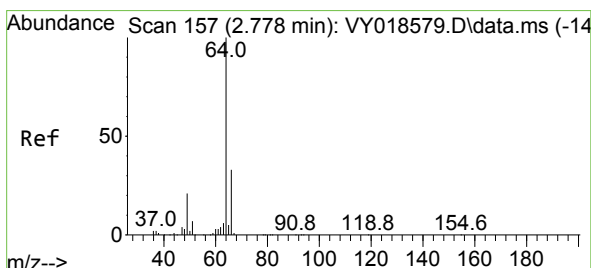
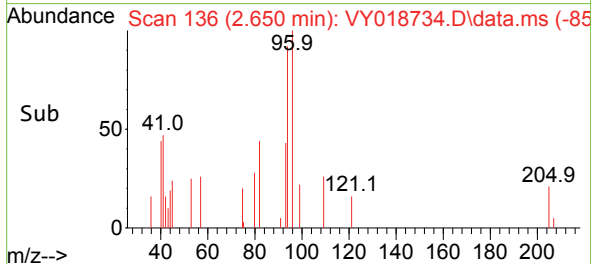
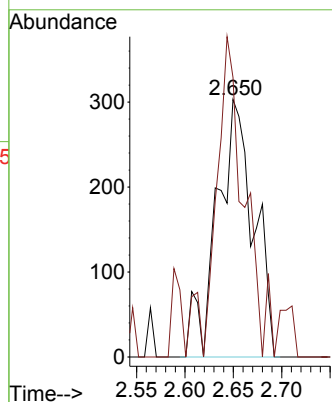


#5
Bromomethane
Concen: 184.944 ug/l
RT: 2.650 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY018734.D
Acq: 28 Jun 2024 17:26

Instrument :
MSVOA_Y
ClientSampleId :

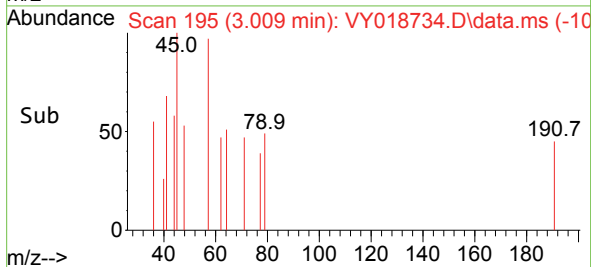
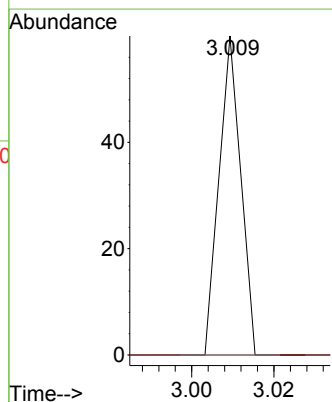
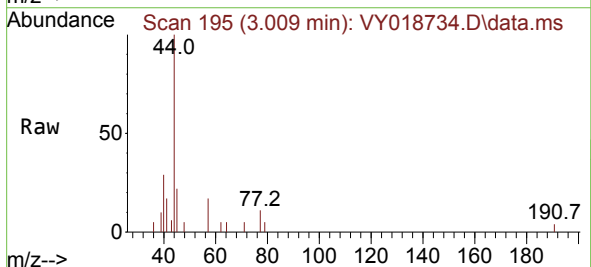


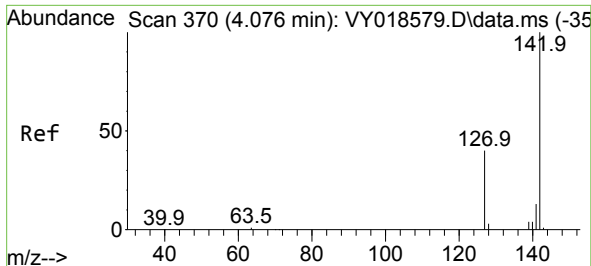
Tgt Ion: 94 Resp: 799
Ion Ratio Lower Upper
94 100
96 90.4 74.1 111.1



#6
Chloroethane
Concen: 5.778 ug/l
RT: 3.009 min Scan# 195
Delta R.T. 0.232 min
Lab File: VY018734.D
Acq: 28 Jun 2024 17:26

Tgt Ion: 64 Resp: 22
Ion Ratio Lower Upper
64 100
66 0.0 26.1 39.1#





#10

Methyl Iodide

Concen: 53.814 ug/l

RT: 4.082 min Scan# 31

Delta R.T. 0.006 min

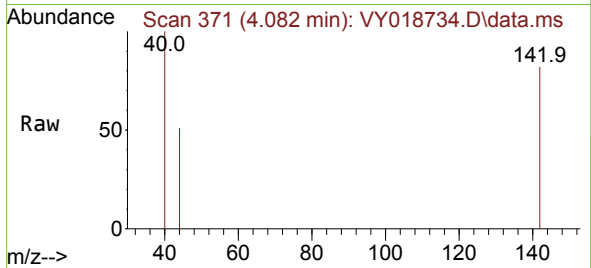
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Instrument :

MSVOA_Y

ClientSampleId :



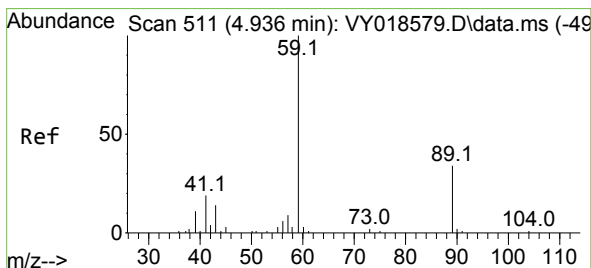
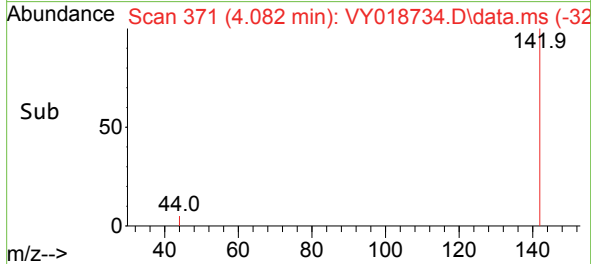
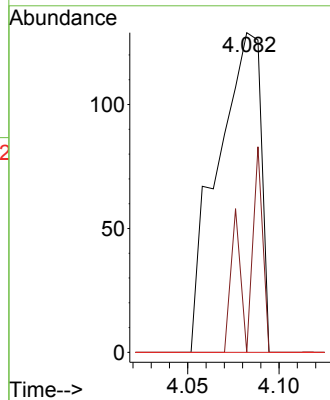
Tgt Ion:142 Resp: 213

Ion Ratio Lower Upper

142 100

127 9.9 32.8 49.2#

141 0.0 11.4 17.2#



#11

Tert butyl alcohol

Concen: 2022.049 ug/l

RT: 4.899 min Scan# 505

Delta R.T. -0.037 min

Lab File: VY018734.D

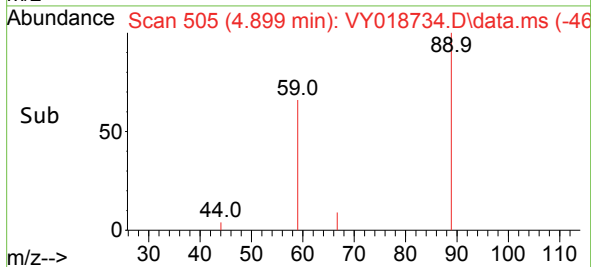
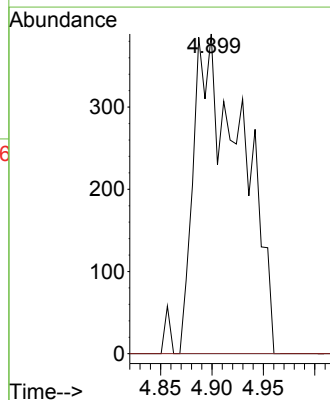
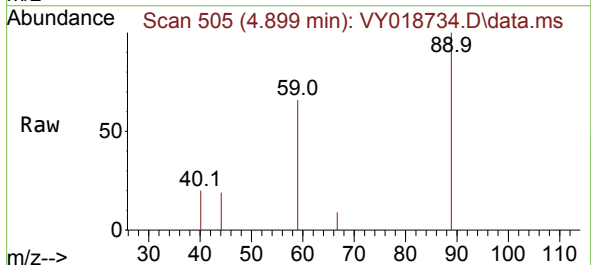
Acq: 28 Jun 2024 17:26

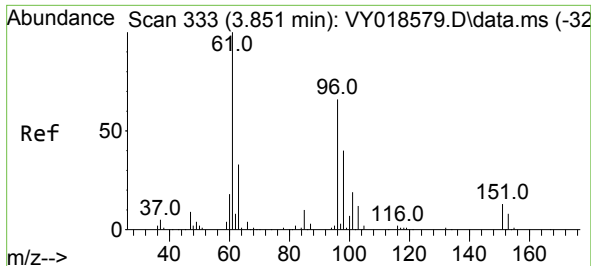
Tgt Ion: 59 Resp: 1267

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.6#





#12

1,1-Dichloroethene

Concen: 13.388 ug/l

RT: 3.832 min Scan# 31

Delta R.T. -0.018 min

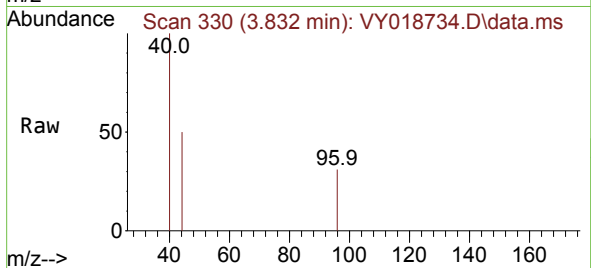
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Acq: 28 Jun 2024 17:26

Instrument :

MSVOA_Y

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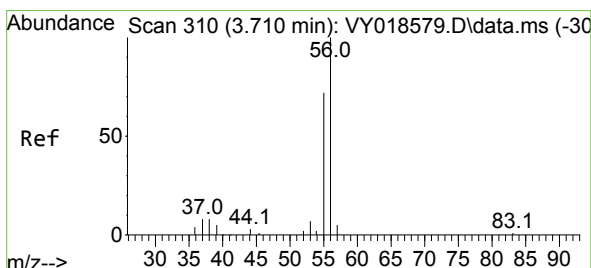
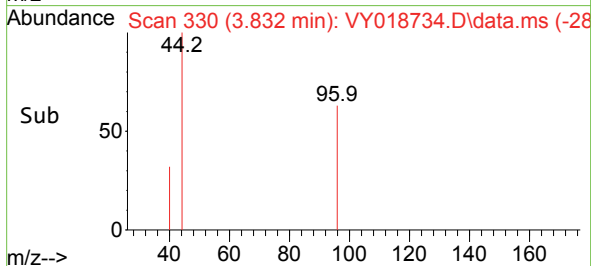
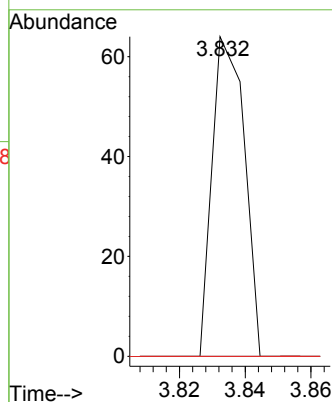
Tgt Ion: 96 Resp: 44

Ion Ratio Lower Upper

96 100

61 0.0 114.6 171.8#

98 0.0 50.8 76.2#



#13

Acrolein

Concen: 208.493 ug/l

RT: 3.692 min Scan# 307

Delta R.T. -0.018 min

Lab File: VY018734.D

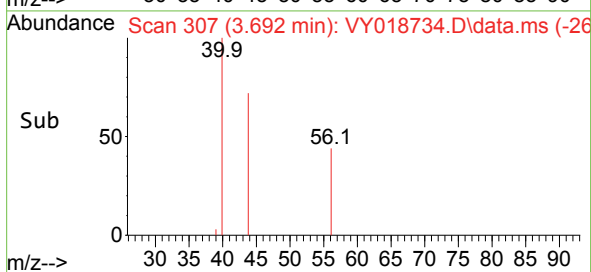
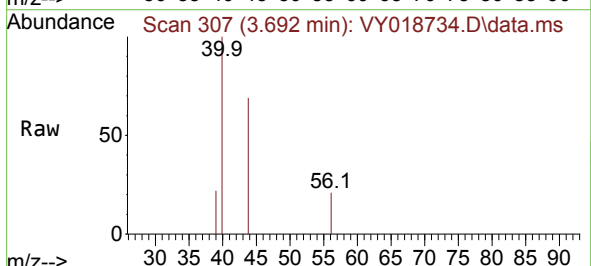
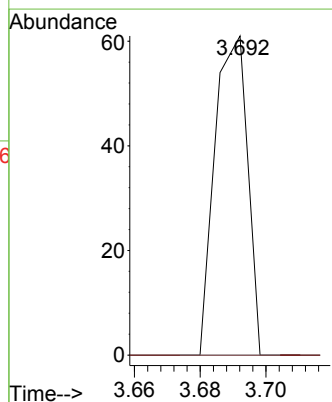
Acq: 28 Jun 2024 17:26

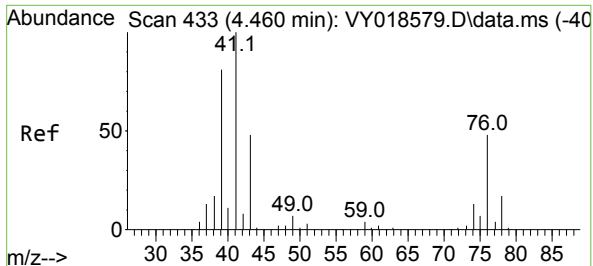
Tgt Ion: 56 Resp: 42

Ion Ratio Lower Upper

56 100

55 0.0 55.7 83.5#





#14

Allyl chloride

Concen: 15.348 ug/l

RT: 4.442 min Scan# 41

Delta R.T. -0.018 min

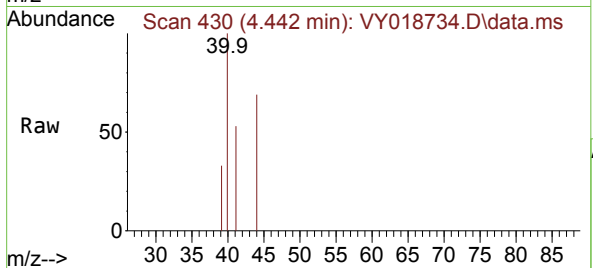
Lab File: VY018734.D

Acq: 28 Jun 2024 17:26

Instrument :

MSVOA_Y

ClientSampleId :



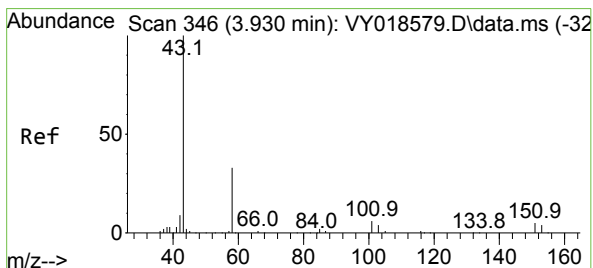
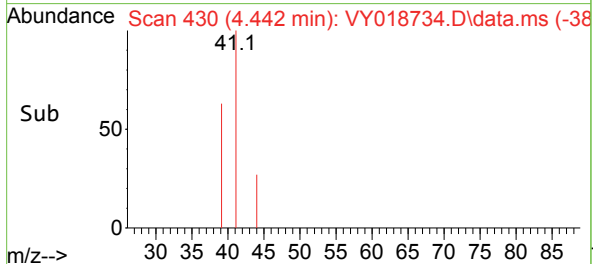
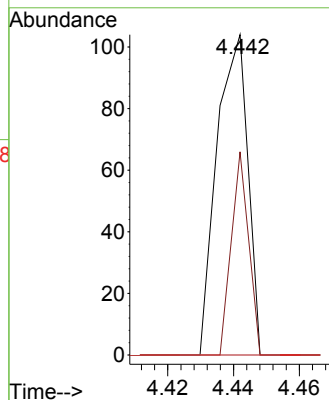
Tgt Ion: 41 Resp: 68

Ion Ratio Lower Upper

41 100

39 35.3 58.3 87.5#

76 0.0 39.0 58.6#



#16

Acetone

Concen: 623.656 ug/l

RT: 3.924 min Scan# 345

Delta R.T. -0.006 min

Lab File: VY018734.D

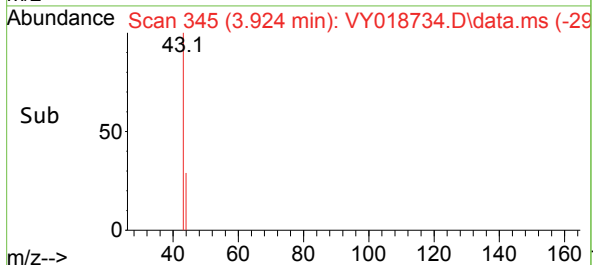
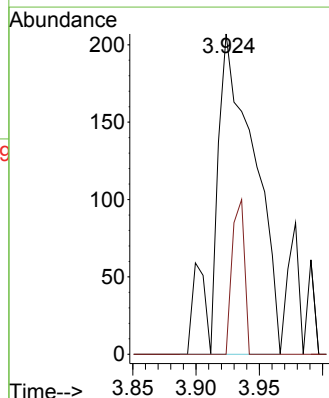
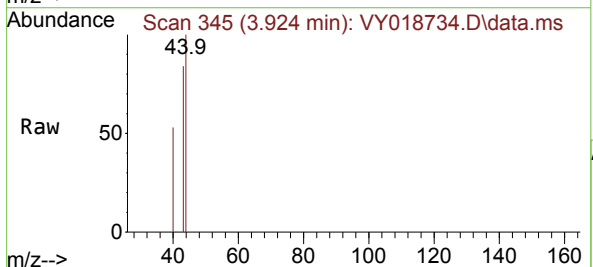
Acq: 28 Jun 2024 17:26

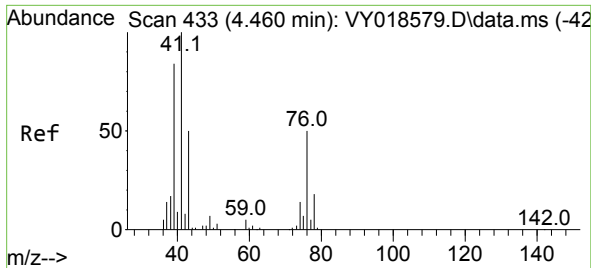
Tgt Ion: 43 Resp: 442

Ion Ratio Lower Upper

43 100

58 0.0 31.7 47.5#

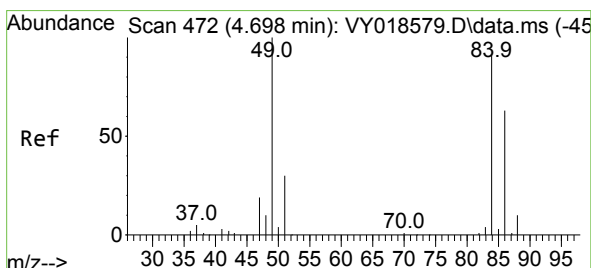
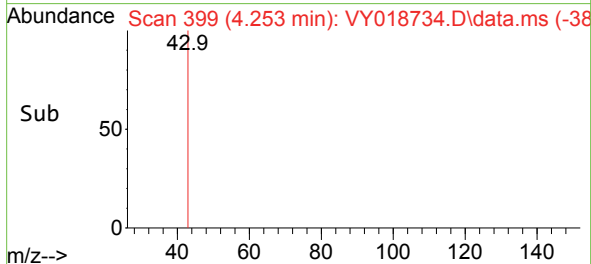
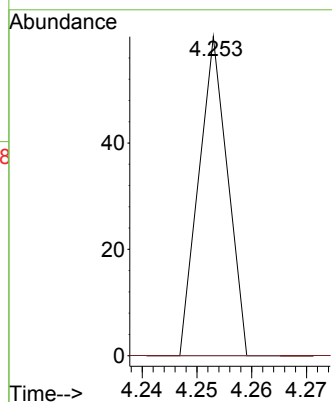
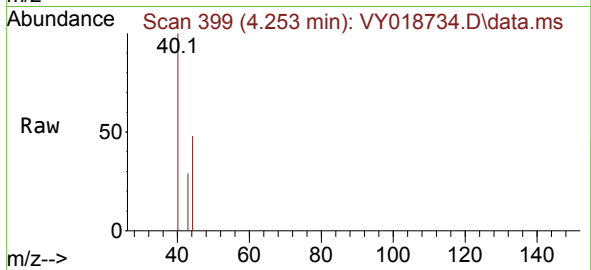




#18
Methyl Acetate
Concen: 12.238 ug/l
RT: 4.253 min Scan# 399
Delta R.T. -0.207 min
Lab File: VY018734.D
Acq: 28 Jun 2024 17:26

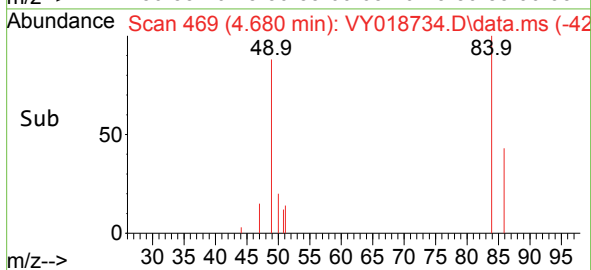
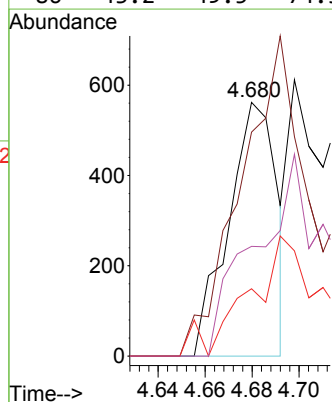
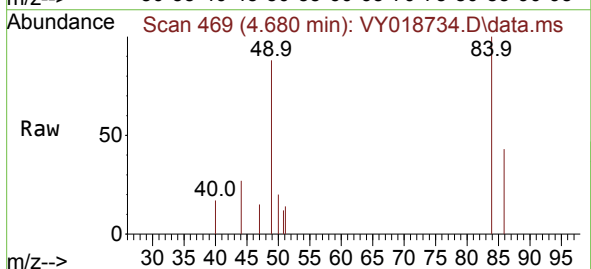
Instrument :
MSVOA_Y
ClientSampleId :

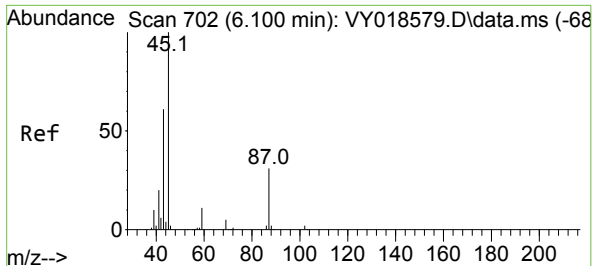
Tgt Ion: 43 Resp: 22
Ion Ratio Lower Upper
43 100
74 0.0 23.3 34.9#



#20
Methylene Chloride
Concen: 214.181 ug/l
RT: 4.680 min Scan# 469
Delta R.T. -0.018 min
Lab File: VY018734.D
Acq: 28 Jun 2024 17:26

Tgt Ion: 84 Resp: 807
Ion Ratio Lower Upper
84 100
49 88.3 84.4 126.6
51 26.5 26.0 39.0
86 43.2 49.5 74.3#





#22

Diisopropyl ether

Concen: 2.000 ug/l

RT: 6.344 min Scan# 741

Delta R.T. 0.244 min

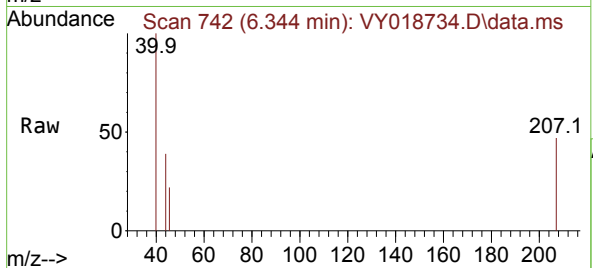
Lab File: VY018734.D

Acq: 28 Jun 2024 17:26

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 45 Resp: 20

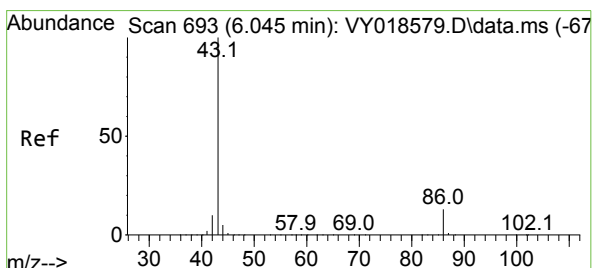
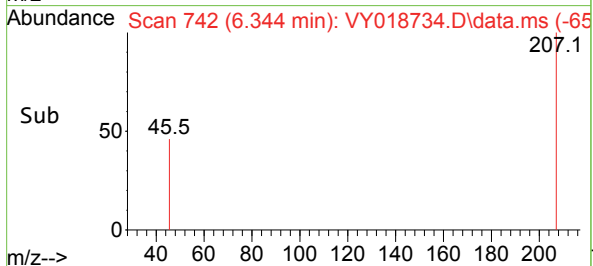
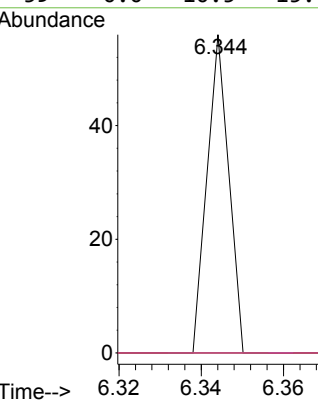
Ion Ratio Lower Upper

45 100

43 0.0 42.2 63.2#

87 0.0 25.0 37.6#

59 0.0 10.5 15.7#



#23

Vinyl Acetate

Concen: 28.242 ug/l

RT: 6.112 min Scan# 704

Delta R.T. 0.067 min

Lab File: VY018734.D

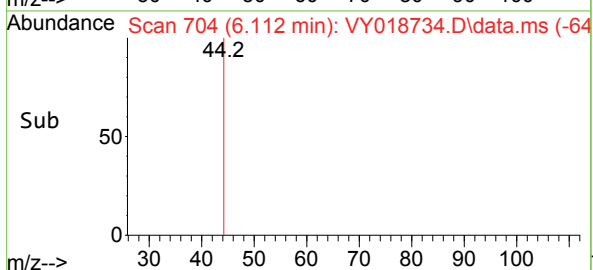
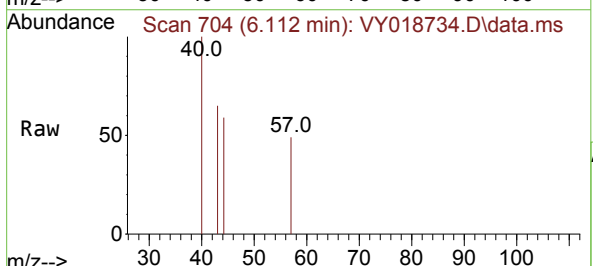
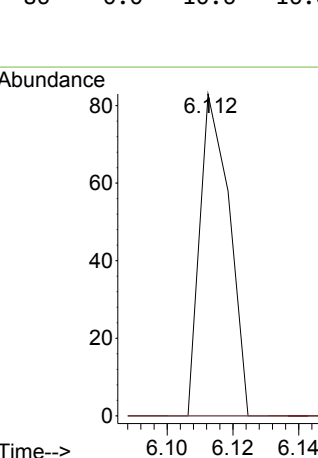
Acq: 28 Jun 2024 17:26

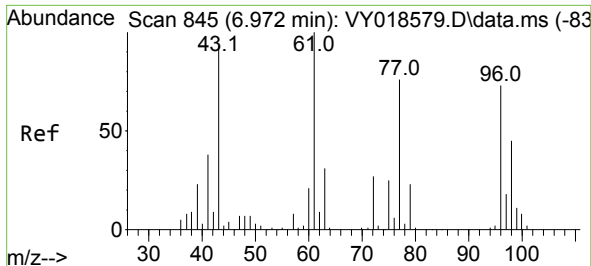
Tgt Ion: 43 Resp: 52

Ion Ratio Lower Upper

43 100

86 0.0 10.6 16.0#

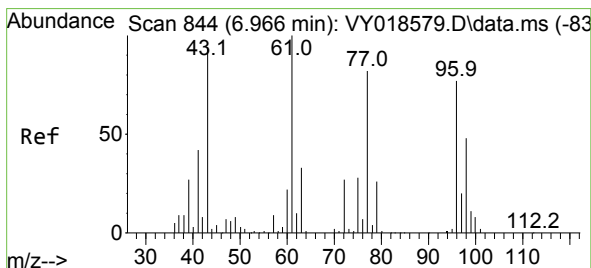
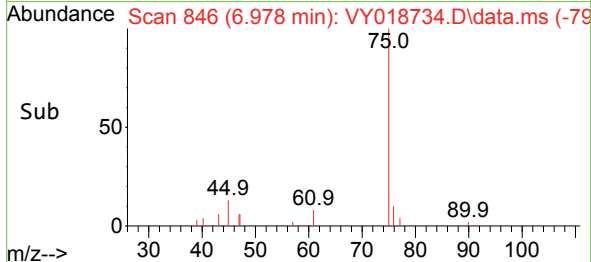
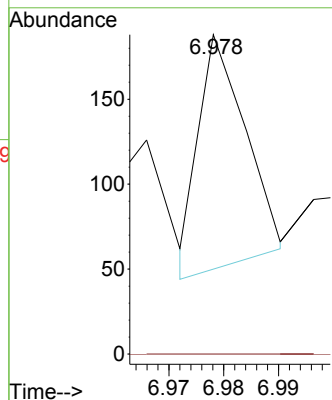
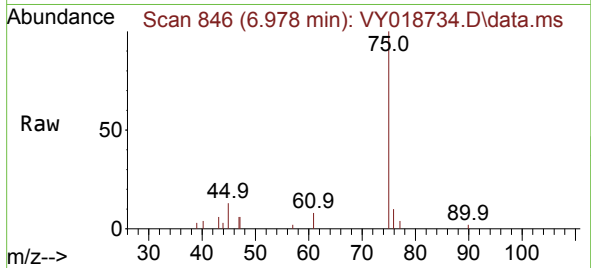




#25
2-Butanone
Concen: 78.129 ug/l
RT: 6.978 min Scan# 845
Delta R.T. 0.006 min
Lab File: VY018734.D
Acq: 28 Jun 2024 17:26

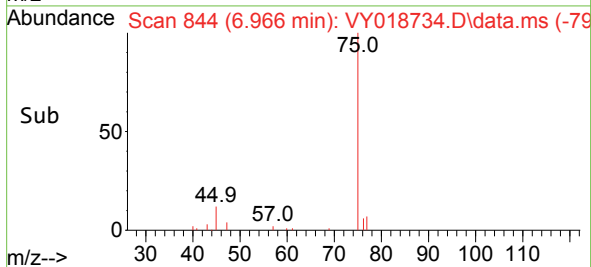
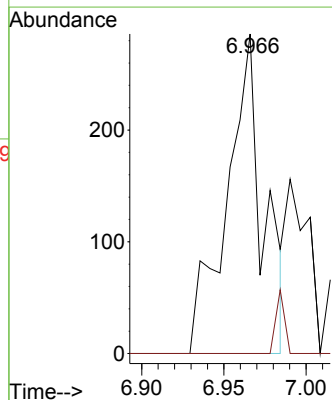
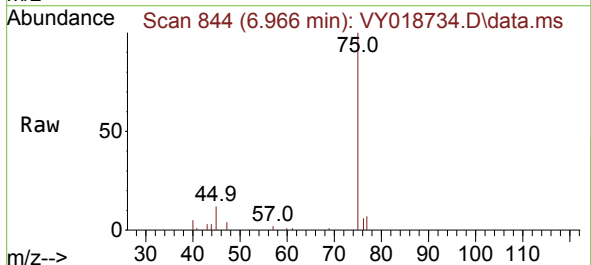
Instrument :
MSVOA_Y
ClientSampleId :

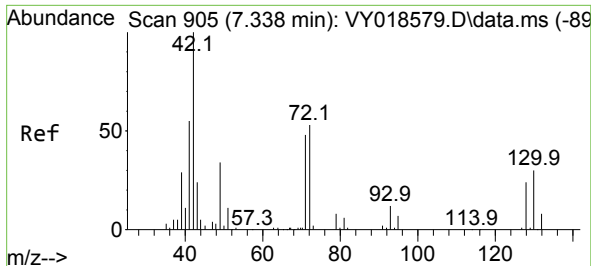
Tgt Ion: 43 Resp: 83
Ion Ratio Lower Upper
43 100
72 0.0 27.3 40.9#



#26
2,2-Dichloropropane
Concen: 81.044 ug/l
RT: 6.966 min Scan# 844
Delta R.T. 0.000 min
Lab File: VY018734.D
Acq: 28 Jun 2024 17:26

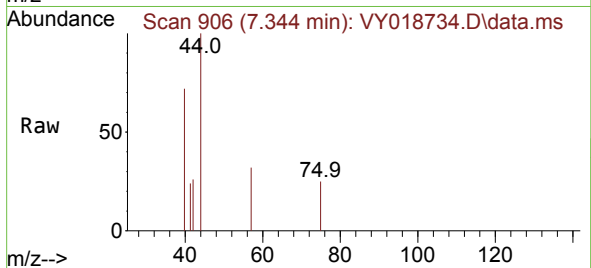
Tgt Ion: 77 Resp: 440
Ion Ratio Lower Upper
77 100
97 4.8 12.0 36.1#



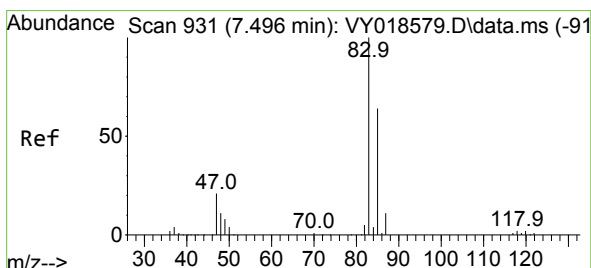
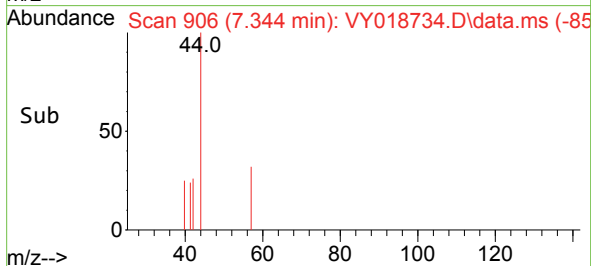
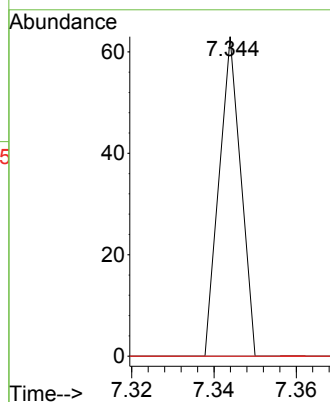


#29
Tetrahydrofuran
Concen: 35.279 ug/l
RT: 7.344 min Scan# 905
Delta R.T. 0.006 min
Lab File: VY018734.D
Acq: 28 Jun 2024 17:26

Instrument :
MSVOA_Y
ClientSampleId :

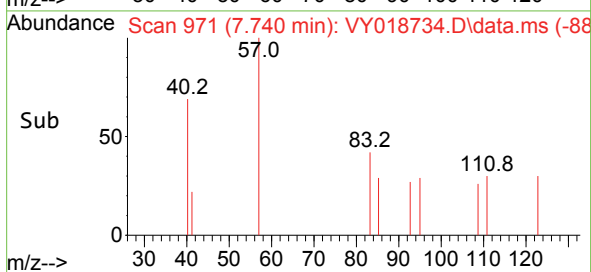
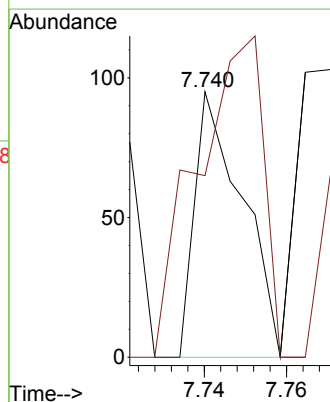
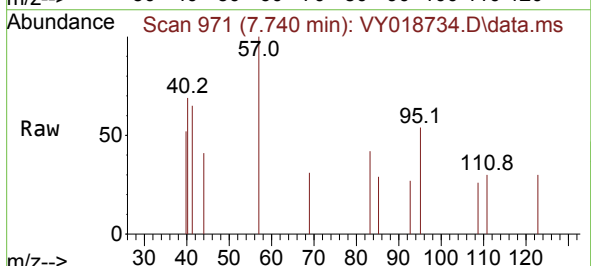


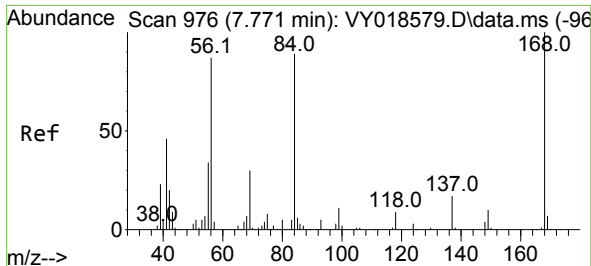
Tgt Ion: 42 Resp: 23
Ion Ratio Lower Upper
42 100
72 0.0 43.0 64.4#
71 0.0 40.8 61.2#



#30
Chloroform
Concen: 10.822 ug/l
RT: 7.740 min Scan# 971
Delta R.T. 0.244 min
Lab File: VY018734.D
Acq: 28 Jun 2024 17:26

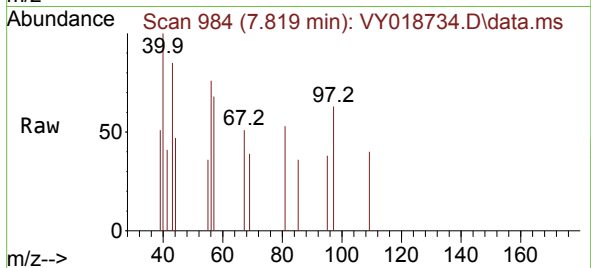
Tgt Ion: 83 Resp: 76
Ion Ratio Lower Upper
83 100
85 68.4 52.2 78.4



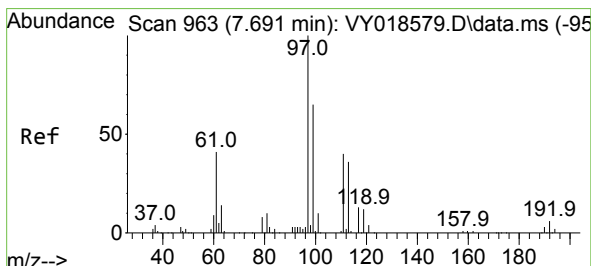
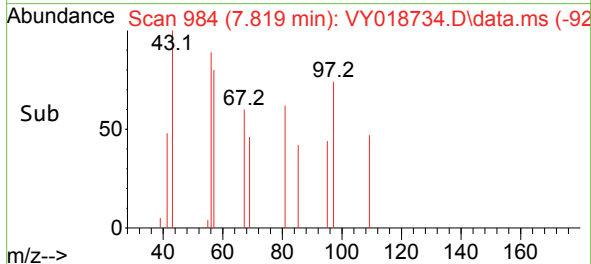
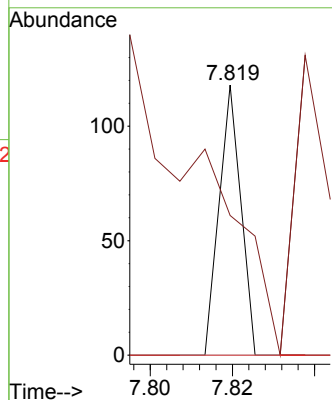


#31
Cyclohexane
Concen: 8.058 ug/l
RT: 7.819 min Scan# 91
Delta R.T. 0.049 min
Lab File: VY018734.D
Acq: 28 Jun 2024 17:26

Instrument :
MSVOA_Y
ClientSampleId :

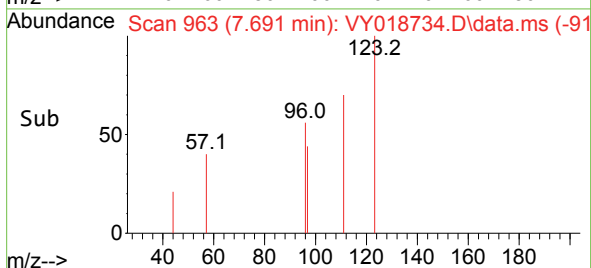
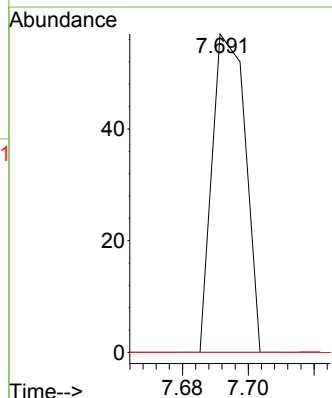
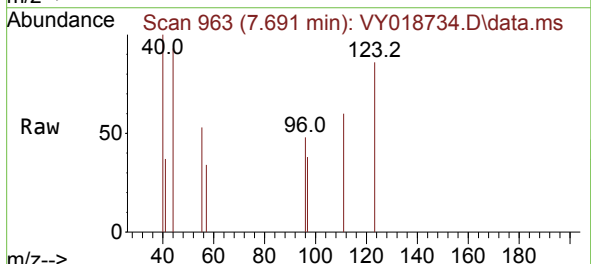


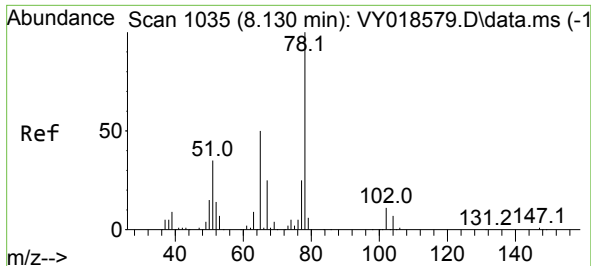
Tgt Ion: 56 Resp: 43
Ion Ratio Lower Upper
56 100
69 51.7 28.7 43.1#
84 0.0 77.7 116.5#



#32
1,1,1-Trichloroethane
Concen: 6.705 ug/l
RT: 7.691 min Scan# 963
Delta R.T. 0.000 min
Lab File: VY018734.D
Acq: 28 Jun 2024 17:26

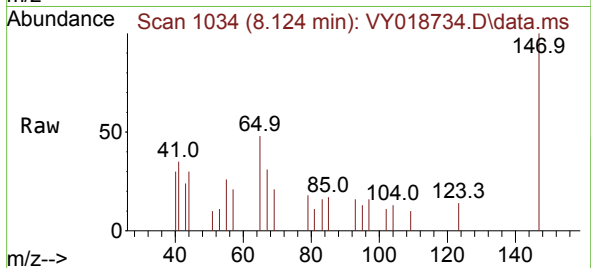
Tgt Ion: 97 Resp: 40
Ion Ratio Lower Upper
97 100
99 0.0 50.3 75.5#
61 0.0 32.6 48.8#



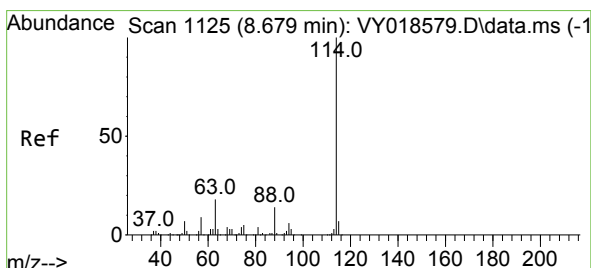
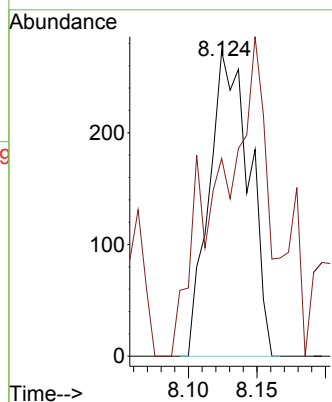
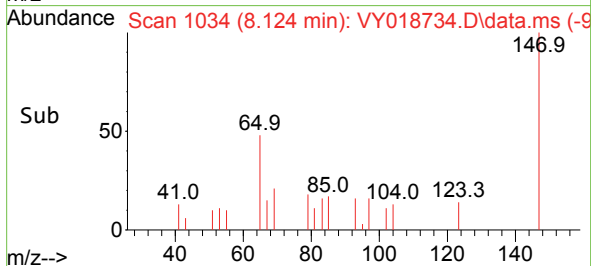


#33
 1,2-Dichloroethane-d4
 Concen: 159.610 ug/l
 RT: 8.124 min Scan# 1034
 Delta R.T. -0.006 min
 Lab File: VY018734.D
 Acq: 28 Jun 2024 17:26

Instrument :
 MSVOA_Y
 ClientSampleId :

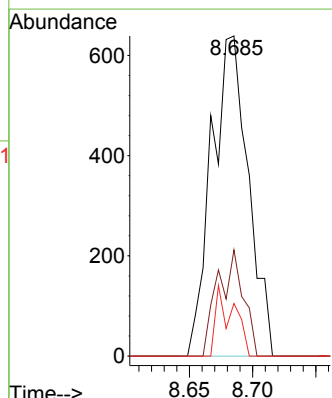
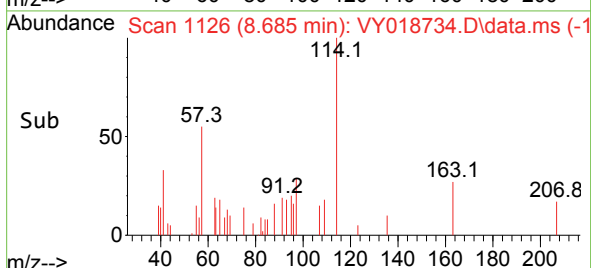
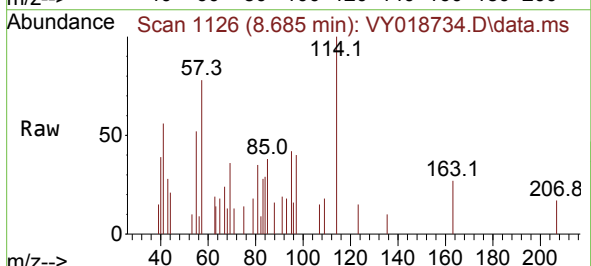


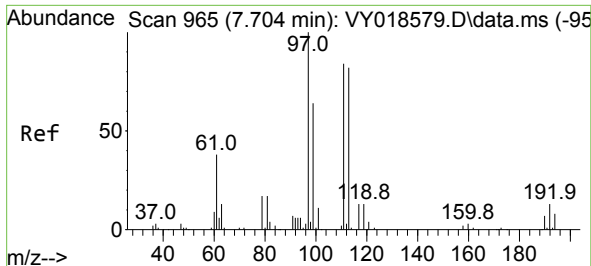
Tgt Ion: 65 Resp: 556
 Ion Ratio Lower Upper
 65 100
 67 0.0 0.0 109.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.685 min Scan# 1126
 Delta R.T. 0.006 min
 Lab File: VY018734.D
 Acq: 28 Jun 2024 17:26

Tgt Ion: 114 Resp: 1287
 Ion Ratio Lower Upper
 114 100
 63 33.2 0.0 35.0
 88 16.4 0.0 27.2

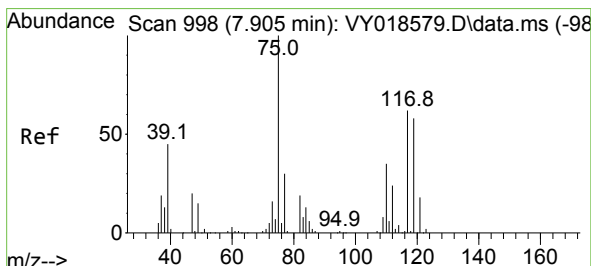
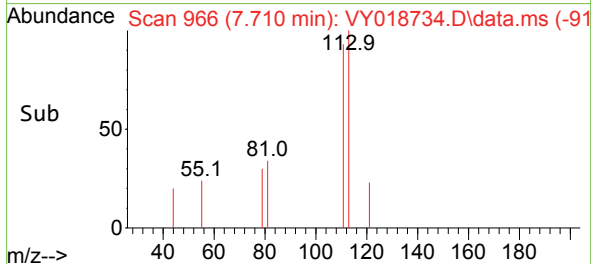
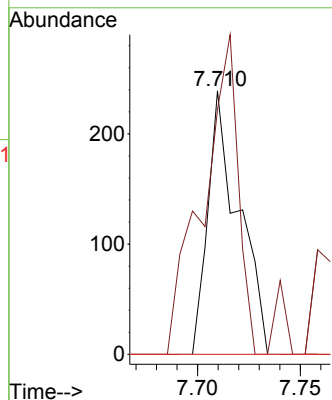
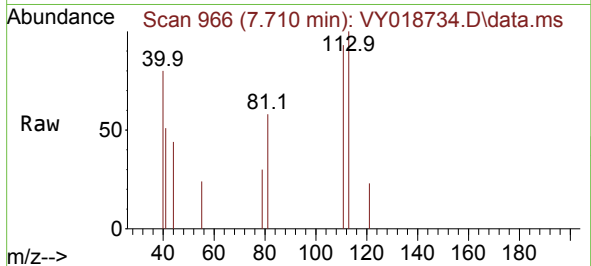




#35
Dibromofluoromethane
Concen: 31.589 ug/l
RT: 7.710 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY018734.D
Acq: 28 Jun 2024 17:26

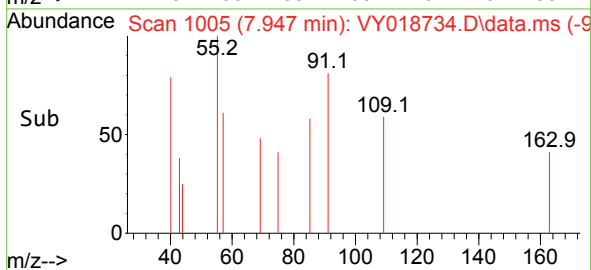
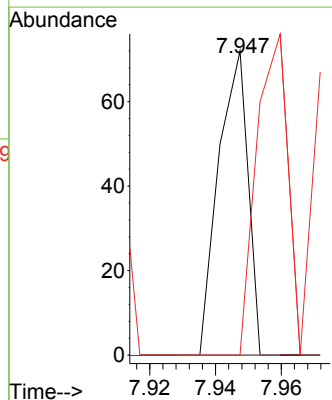
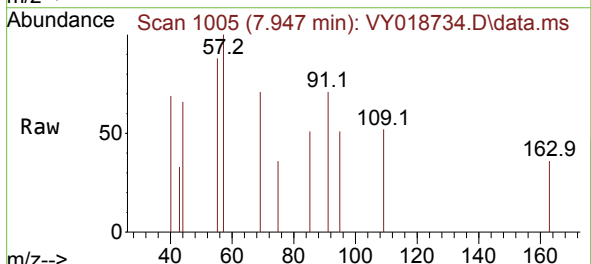
Instrument :
MSVOA_Y
ClientSampleId :

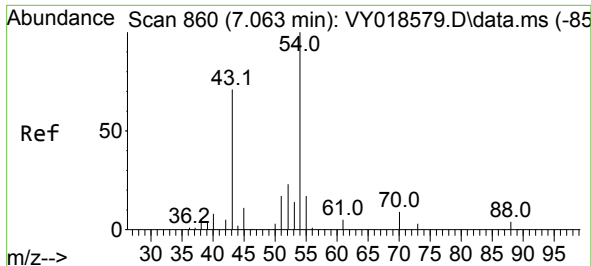
Tgt Ion:113 Resp: 248
Ion Ratio Lower Upper
113 100
111 139.5 82.2 123.4#
192 0.0 15.9 23.9#



#36
1,1-Dichloropropene
Concen: 4.164 ug/l
RT: 7.947 min Scan# 1005
Delta R.T. 0.043 min
Lab File: VY018734.D
Acq: 28 Jun 2024 17:26

Tgt Ion: 75 Resp: 45
Ion Ratio Lower Upper
75 100
110 0.0 19.0 57.0#
77 111.1 25.3 37.9#





#37

Ethyl Acetate

Concen: 9.815 ug/l

RT: 7.076 min Scan# 81

Delta R.T. 0.012 min

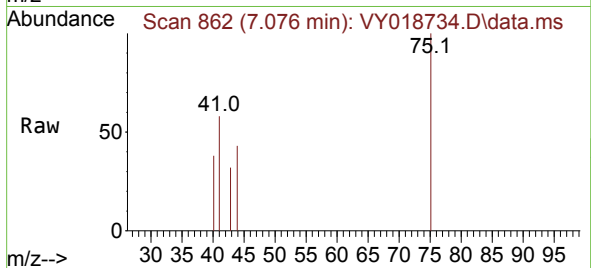
Lab File: VY018734.D

Acq: 28 Jun 2024 17:26

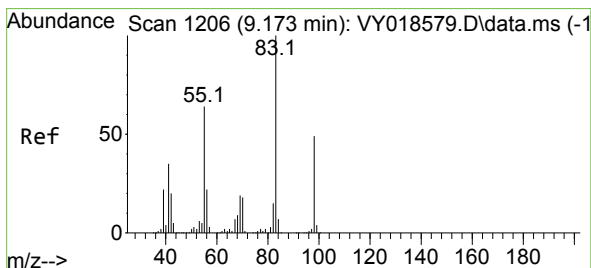
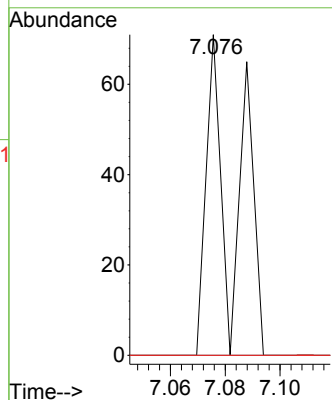
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	43	Resp:	50
Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.6	19.0#
70	0.0	7.8	11.8#



#39

Methylcyclohexane

Concen: 10.347 ug/l

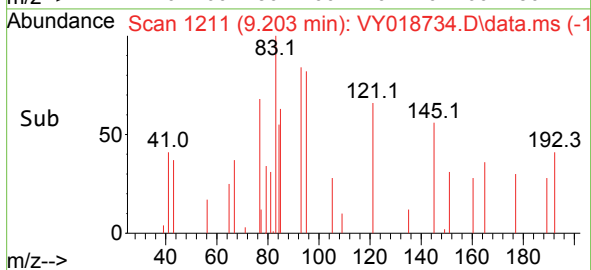
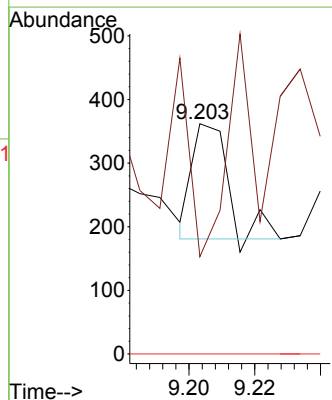
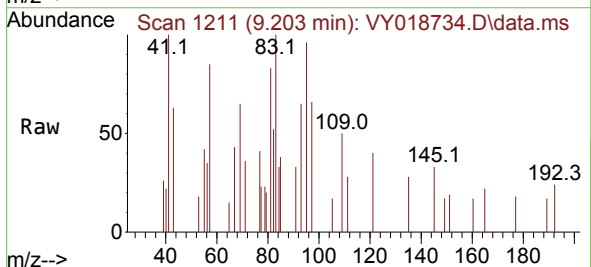
RT: 9.203 min Scan# 1211

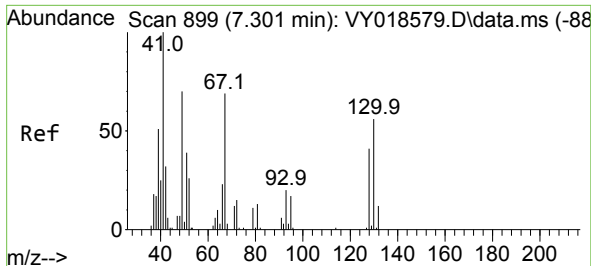
Delta R.T. 0.030 min

Lab File: VY018734.D

Acq: 28 Jun 2024 17:26

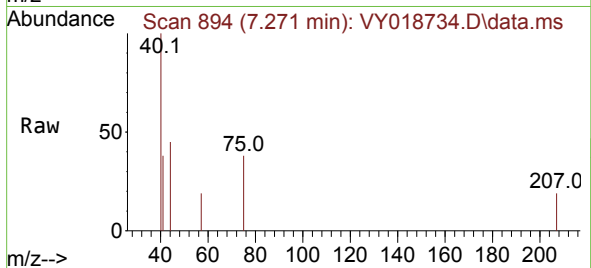
Tgt Ion:	83	Resp:	137
Ion	Ratio	Lower	Upper
83	100		
55	0.0	51.5	77.3#
98	0.0	40.5	60.7#



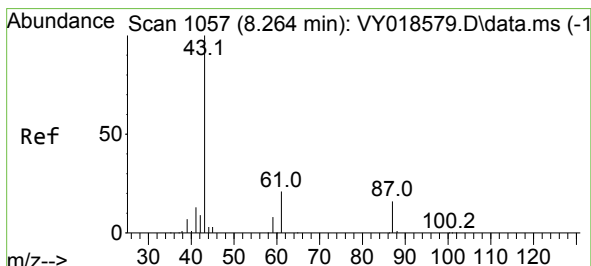
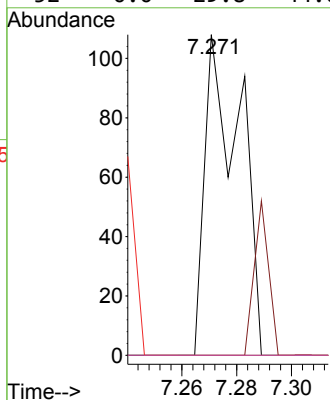
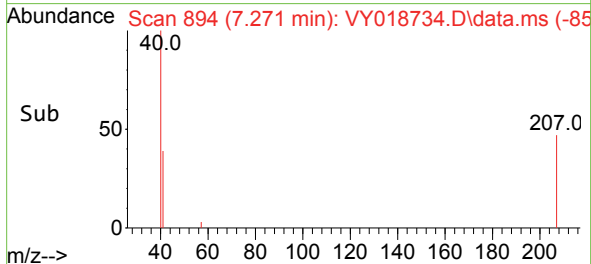


#41
Methacrylonitrile
Concen: 37.469 ug/l
RT: 7.271 min Scan# 899
Delta R.T. -0.030 min
Lab File: VY018734.D
Acq: 28 Jun 2024 17:26

Instrument :
MSVOA_Y
ClientSampleId :

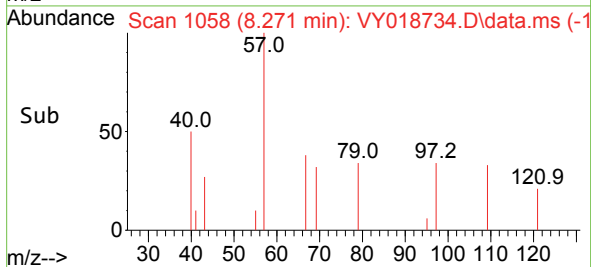
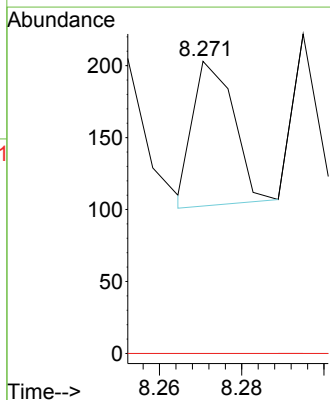
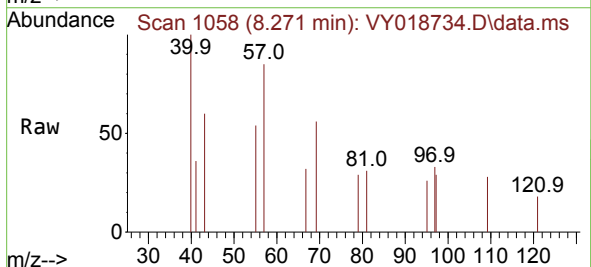


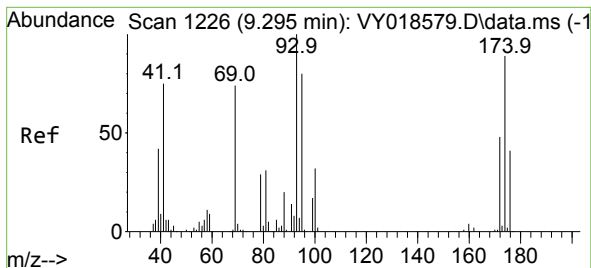
Tgt Ion:	41	Resp:	96
Ion	Ratio	Lower	Upper
41	100		
39	19.8	48.0	72.0#
67	0.0	75.1	112.7#
52	0.0	29.8	44.6#



#43
Isopropyl Acetate
Concen: 7.257 ug/l
RT: 8.271 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VY018734.D
Acq: 28 Jun 2024 17:26

Tgt Ion:	43	Resp:	69
Ion	Ratio	Lower	Upper
43	100		
61	0.0	27.9	41.9#
87	0.0	13.1	19.7#





#46

Dibromomethane

Concen: 89.418 ug/l

RT: 9.301 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY018734.D

Acq: 28 Jun 2024 17:26

Instrument :

MSVOA_Y

ClientSampleId :

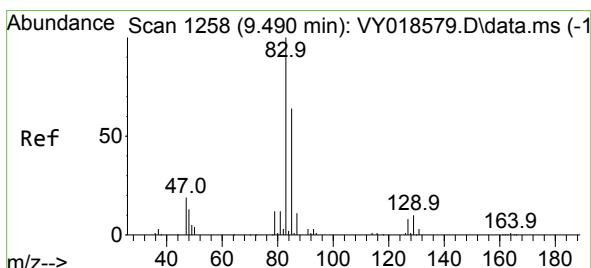
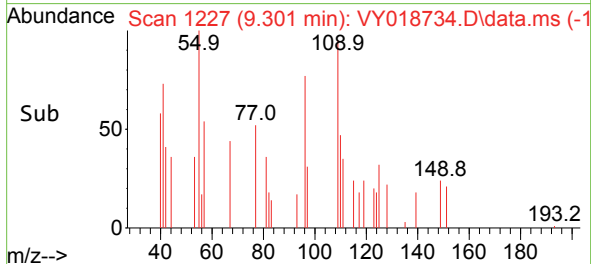
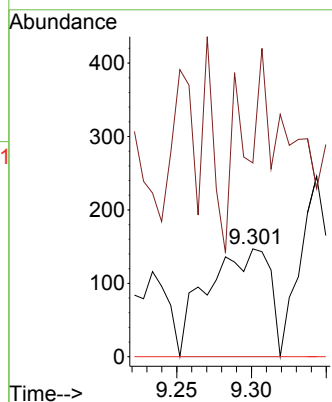
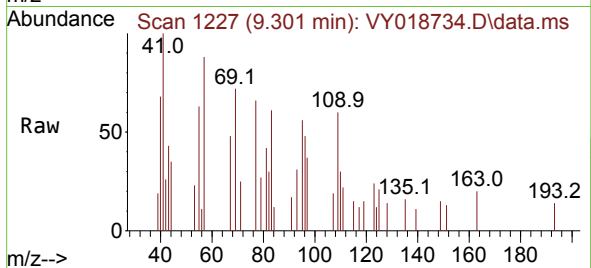
Tgt Ion: 93 Resp: 424

Ion Ratio Lower Upper

93 100

95 157.1 66.2 99.4#

174 0.0 80.9 121.3#



#47

Bromodichloromethane

Concen: 32.605 ug/l

RT: 9.520 min Scan# 1263

Delta R.T. 0.030 min

Lab File: VY018734.D

Acq: 28 Jun 2024 17:26

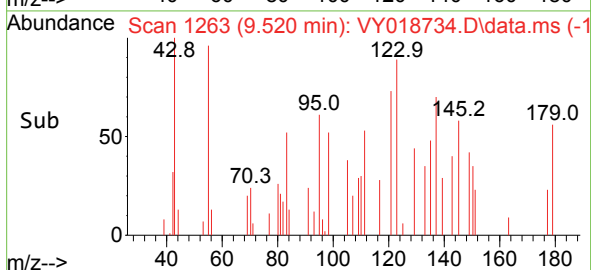
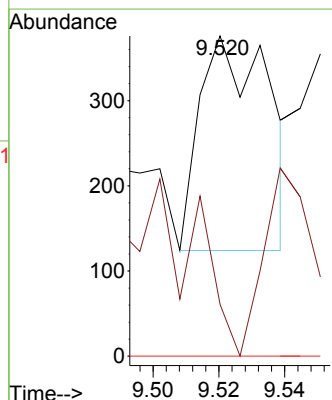
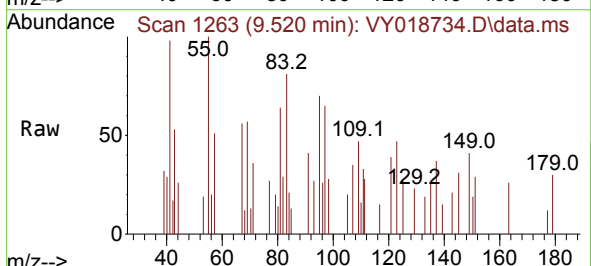
Tgt Ion: 83 Resp: 369

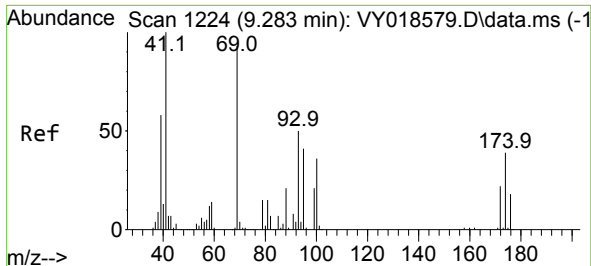
Ion Ratio Lower Upper

83 100

85 0.0 50.1 75.1#

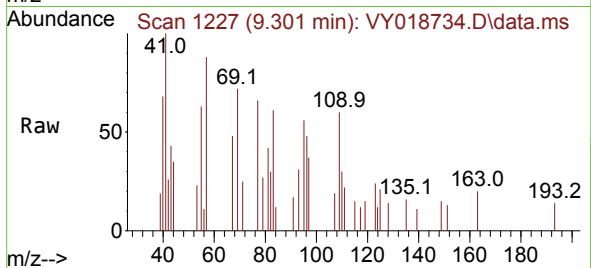
127 0.0 7.4 11.0#



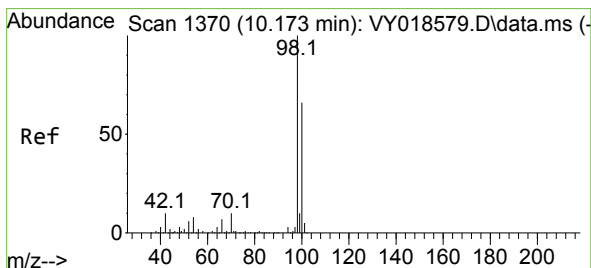
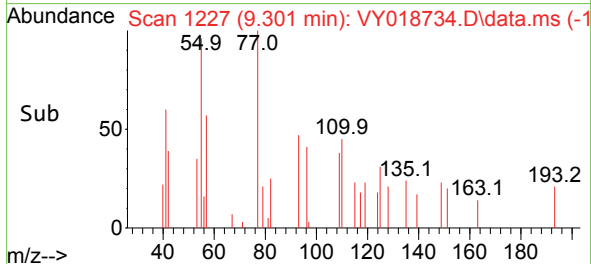
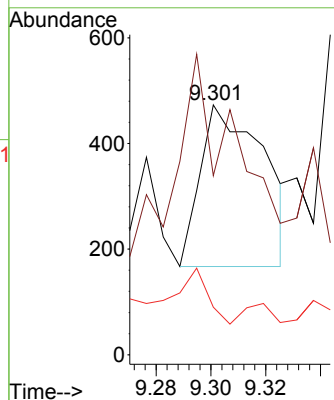


#48
Methyl methacrylate
Concen: 114.940 ug/l
RT: 9.301 min Scan# 11
Delta R.T. 0.018 min
Lab File: VY018734.D
Acq: 28 Jun 2024 17:26

Instrument :
MSVOA_Y
ClientSampleId :

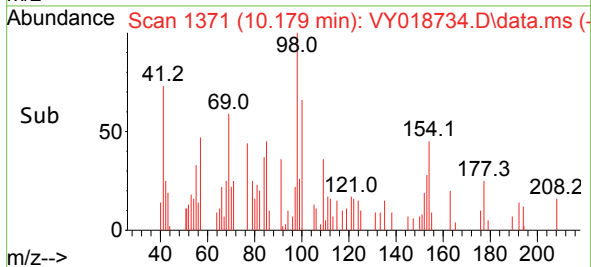
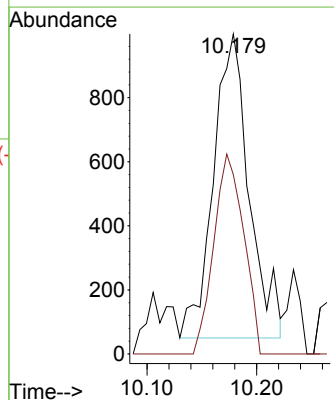
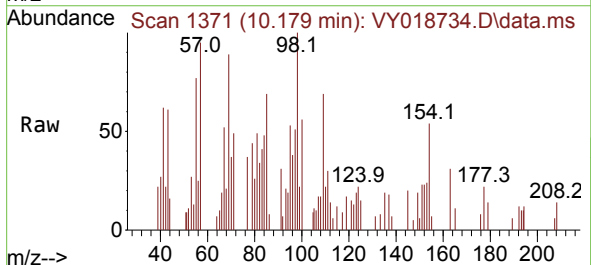


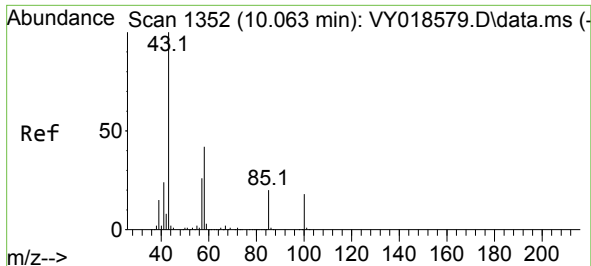
Tgt Ion: 41 Resp: 492
Ion Ratio Lower Upper
41 100
69 72.6 84.1 126.1#
39 18.1 43.6 65.4#



#50
Toluene-d8
Concen: 71.211 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.006 min
Lab File: VY018734.D
Acq: 28 Jun 2024 17:26

Tgt Ion: 98 Resp: 2150
Ion Ratio Lower Upper
98 100
100 55.0 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 47.920 ug/l

RT: 10.191 min Scan# 11

Delta R.T. 0.128 min

Lab File: VY018734.D

Acq: 28 Jun 2024 17:26

Instrument :

MSVOA_Y

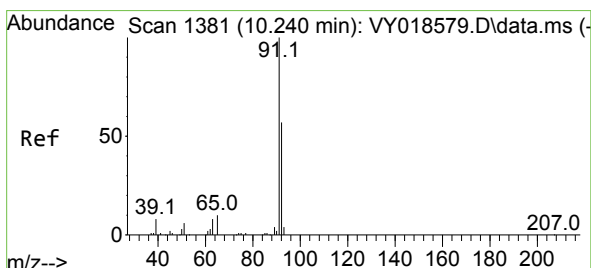
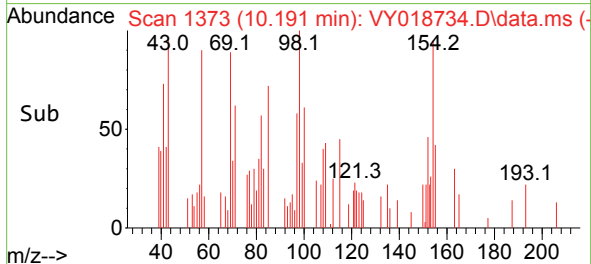
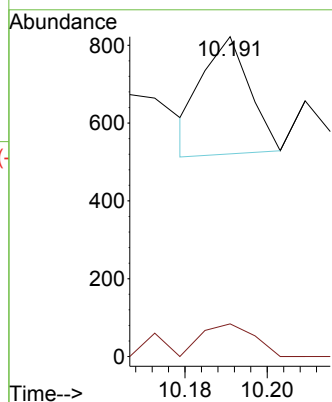
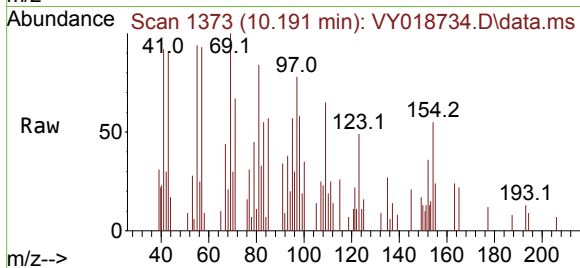
ClientSampleId :

Tgt Ion: 43 Resp: 240

Ion Ratio Lower Upper

43 100

58 40.4 35.7 53.5



#52

Toluene

Concen: 5.173 ug/l

RT: 10.039 min Scan# 1348

Delta R.T. -0.201 min

Lab File: VY018734.D

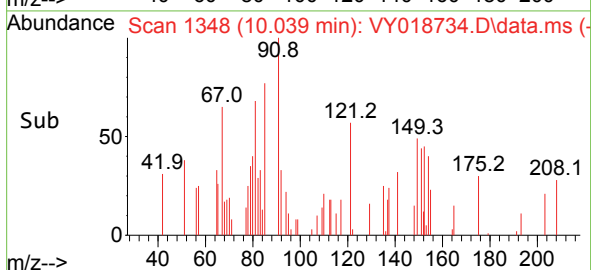
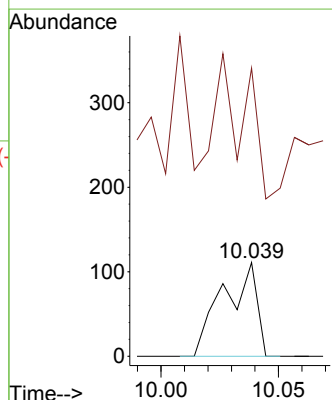
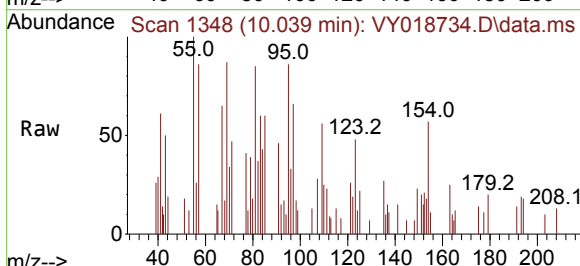
Acq: 28 Jun 2024 17:26

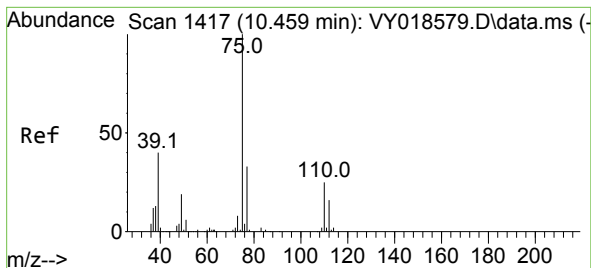
Tgt Ion: 92 Resp: 111

Ion Ratio Lower Upper

92 100

91 148.6 139.0 208.6

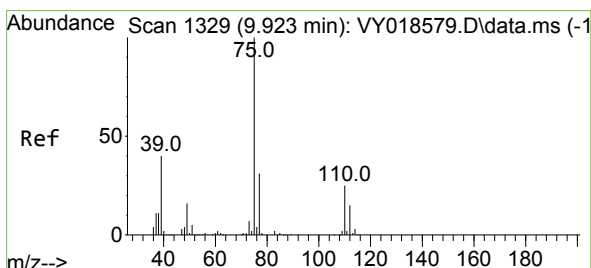
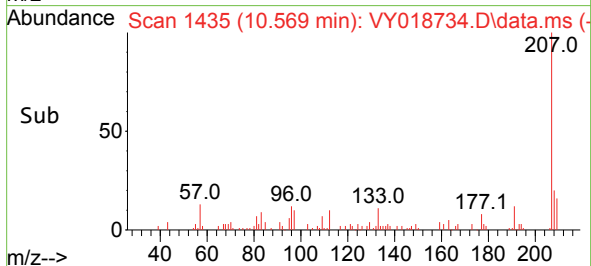
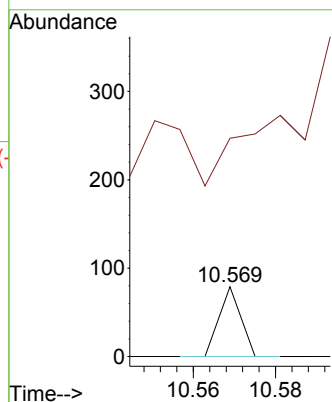
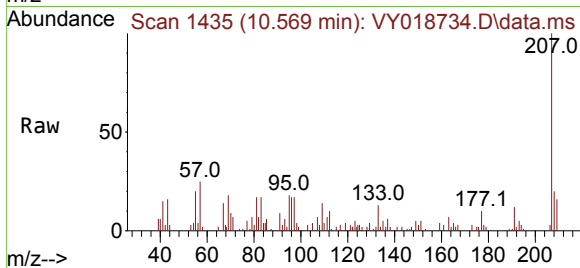




#53
 t-1,3-Dichloropropene
 Concen: 2.932 ug/l
 RT: 10.569 min Scan# 1417
 Delta R.T. 0.110 min
 Lab File: VY018734.D
 Acq: 28 Jun 2024 17:26

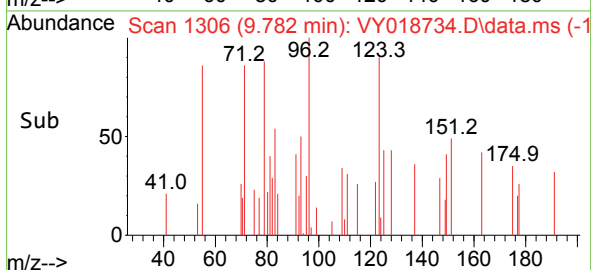
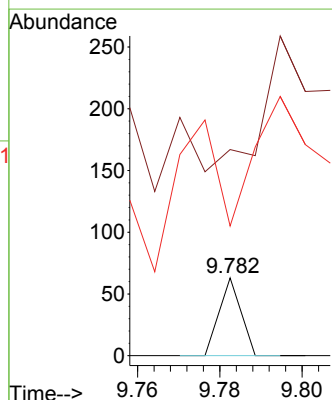
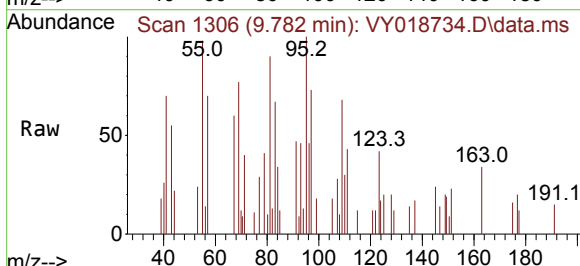
Instrument :
 MSVOA_Y
 ClientSampleId :

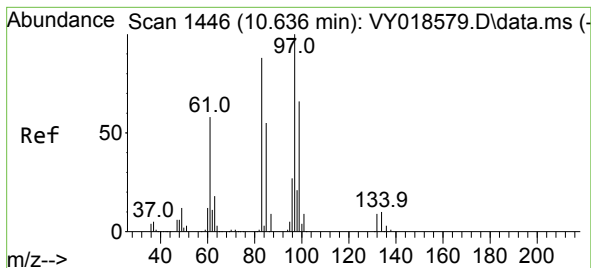
Tgt Ion: 75 Resp: 29
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.1 36.1#



#54
 cis-1,3-Dichloropropene
 Concen: 1.927 ug/l
 RT: 9.782 min Scan# 1306
 Delta R.T. -0.140 min
 Lab File: VY018734.D
 Acq: 28 Jun 2024 17:26

Tgt Ion: 75 Resp: 23
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.0#
 39 0.0 29.8 44.6#





#55

1,1,2-Trichloroethane

Concen: 22.674 ug/l

RT: 10.642 min Scan# 1446

Delta R.T. 0.006 min

Lab File: VY018734.D

Acq: 28 Jun 2024 17:26

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion: 97 Resp: 143

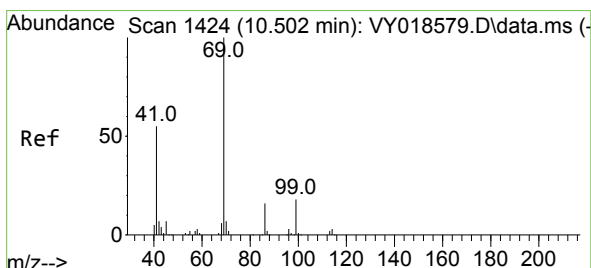
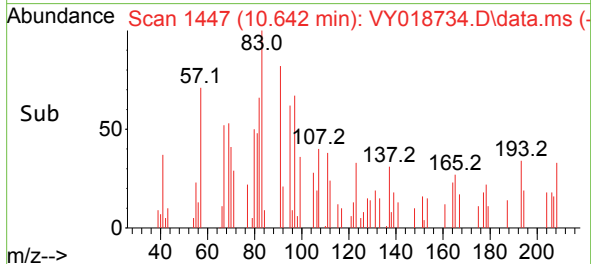
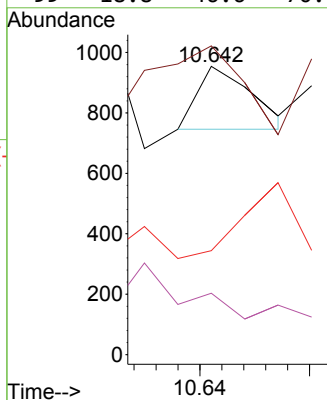
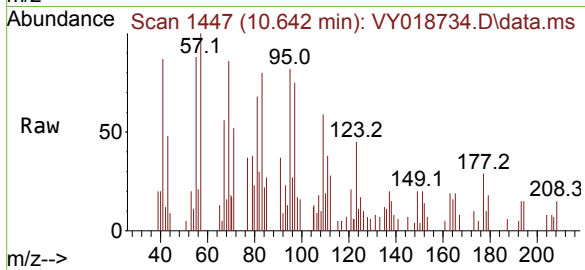
Ion Ratio Lower Upper

97 100

83 141.3 67.5 101.3#

85 12.5 42.9 64.3#

99 18.8 46.6 70.0#



#56

Ethyl methacrylate

Concen: 20.720 ug/l

RT: 10.502 min Scan# 1424

Delta R.T. 0.000 min

Lab File: VY018734.D

Acq: 28 Jun 2024 17:26

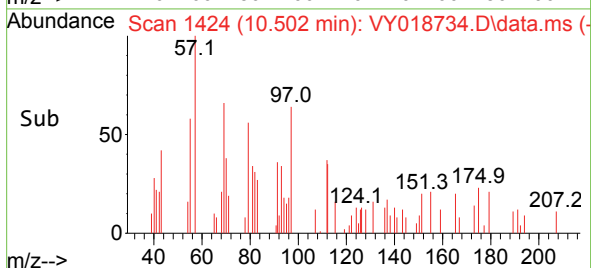
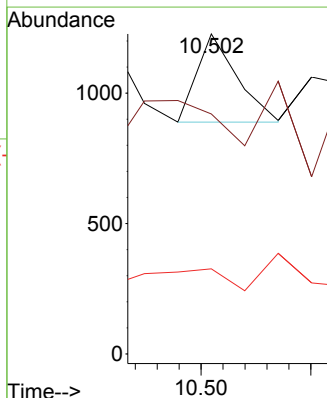
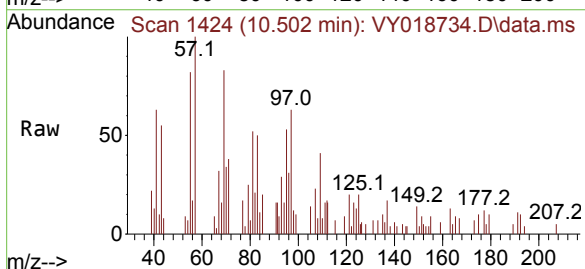
Tgt Ion: 69 Resp: 171

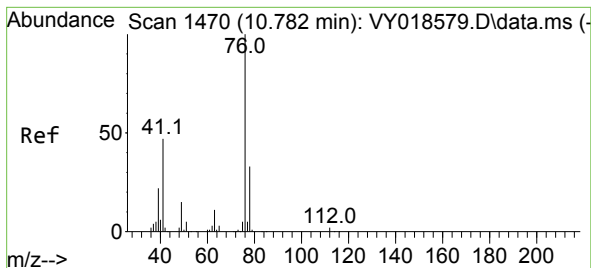
Ion Ratio Lower Upper

69 100

41 228.7 42.3 63.5#

39 101.2 22.9 34.3#





#57

1,3-Dichloropropane

Concen: 2.004 ug/l

RT: 10.697 min Scan# 1456

Delta R.T. -0.085 min

Lab File: VY018734.D

Acq: 28 Jun 2024 17:26

Instrument :

MSVOA_Y

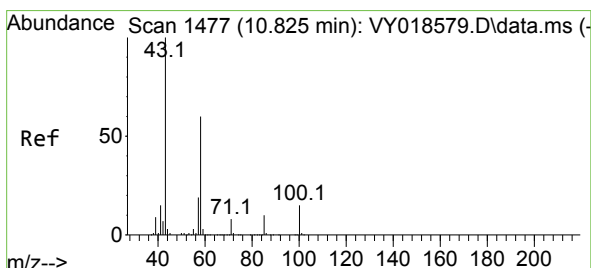
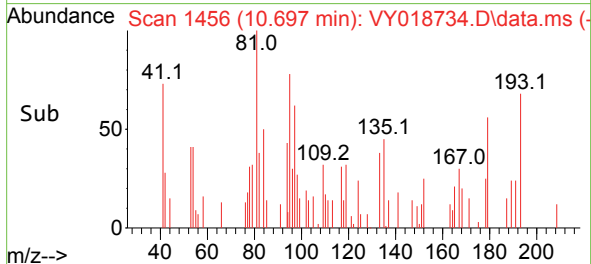
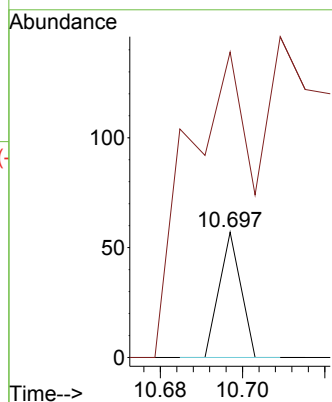
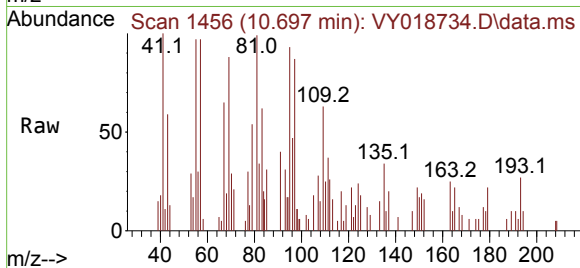
ClientSampleId :

Tgt Ion: 76 Resp: 21

Ion Ratio Lower Upper

76 100

78 714.3 26.2 39.4#



#59

2-Hexanone

Concen: 142.240 ug/l

RT: 10.935 min Scan# 1495

Delta R.T. 0.110 min

Lab File: VY018734.D

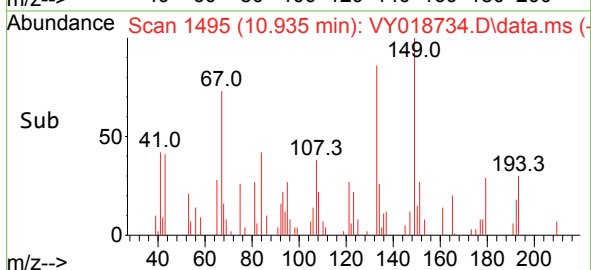
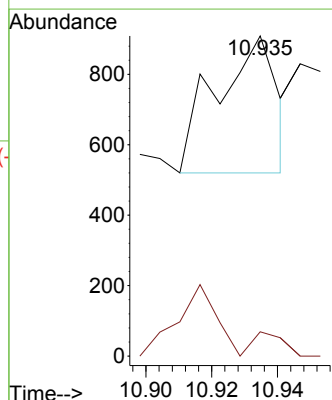
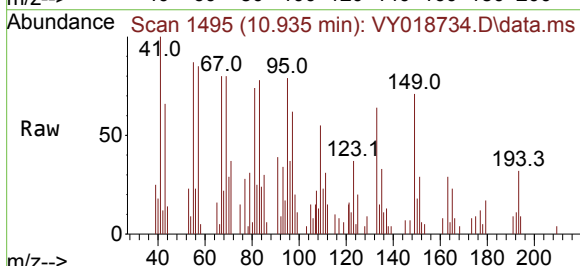
Acq: 28 Jun 2024 17:26

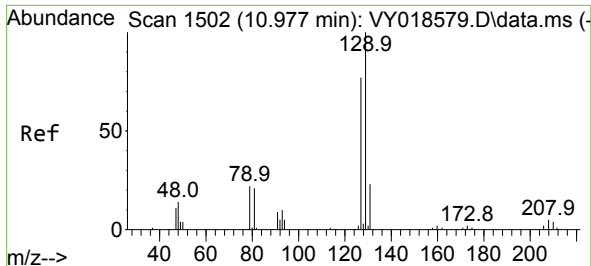
Tgt Ion: 43 Resp: 499

Ion Ratio Lower Upper

43 100

58 33.9 31.4 94.0

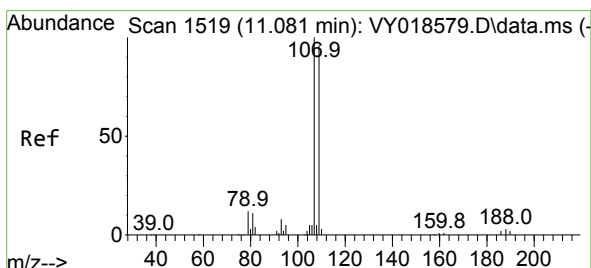
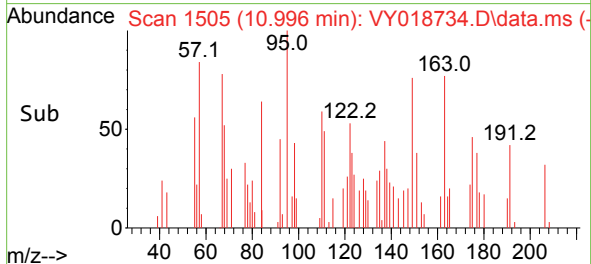
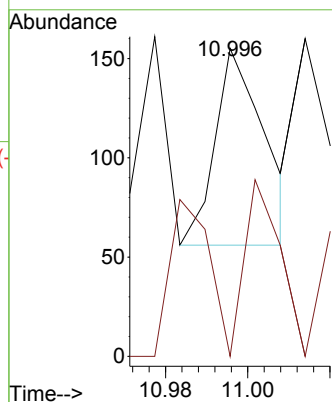
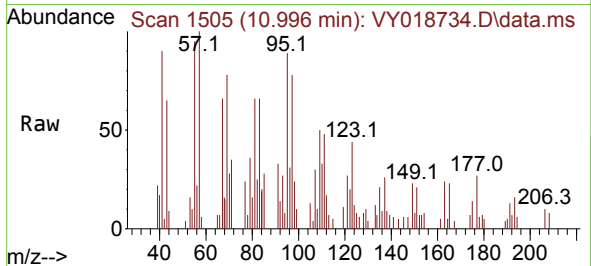




#60
Dibromochloromethane
Concen: 10.594 ug/l
RT: 10.996 min Scan# 11
Delta R.T. 0.018 min
Lab File: VY018734.D
Acq: 28 Jun 2024 17:26

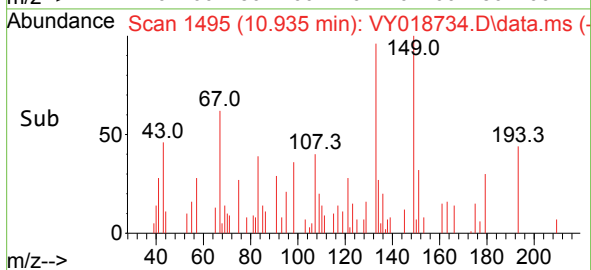
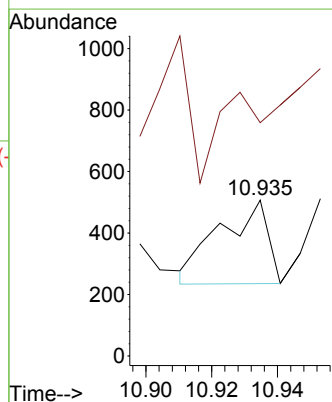
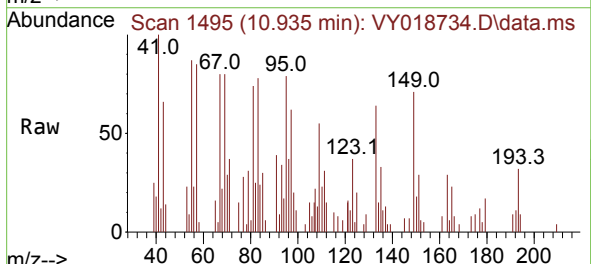
Instrument :
MSVOA_Y
ClientSampleId :

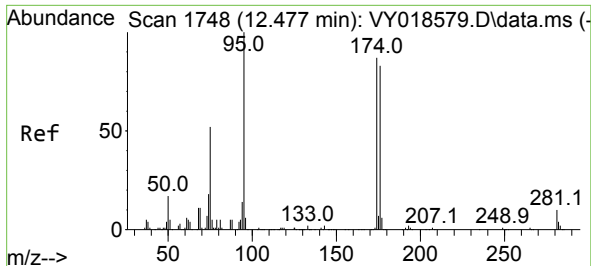
Tgt Ion:129 Resp: 83
Ion Ratio Lower Upper
129 100
127 63.9 39.0 117.0



#61
1,2-Dibromoethane
Concen: 47.352 ug/l
RT: 10.935 min Scan# 1495
Delta R.T. -0.146 min
Lab File: VY018734.D
Acq: 28 Jun 2024 17:26

Tgt Ion:107 Resp: 276
Ion Ratio Lower Upper
107 100
109 96.4 75.9 113.9

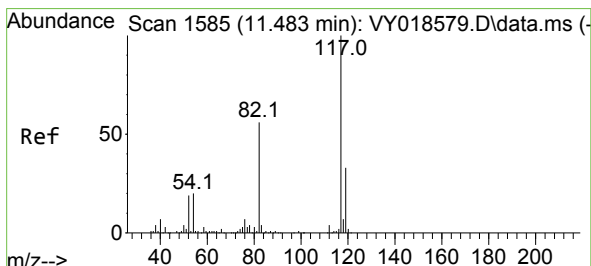
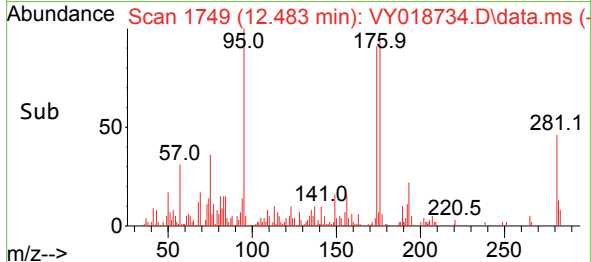
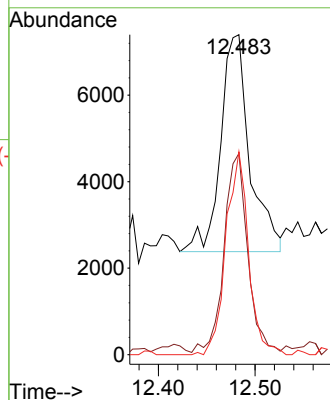
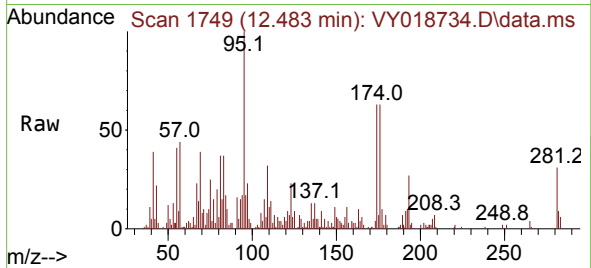




#62
4-Bromofluorobenzene
Concen: 1097.469 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY018734.D
Acq: 28 Jun 2024 17:26

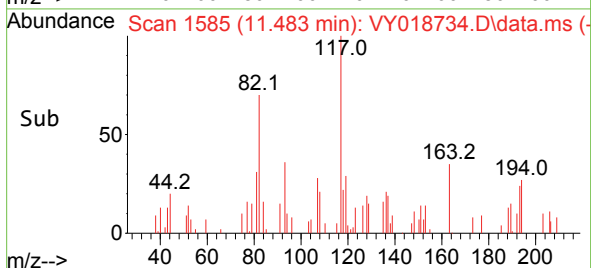
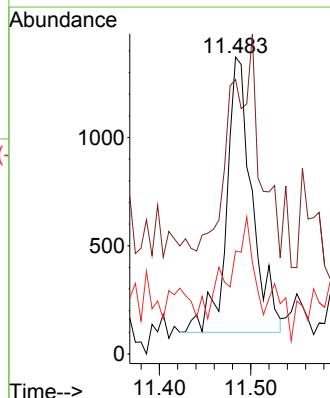
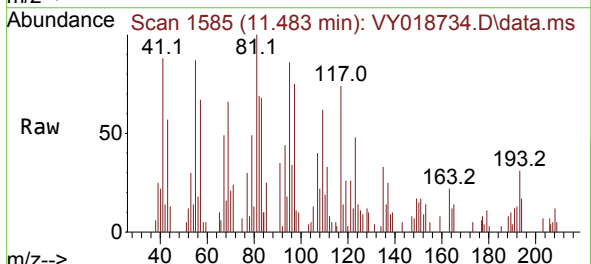
Instrument :
MSVOA_Y
ClientSampleId :

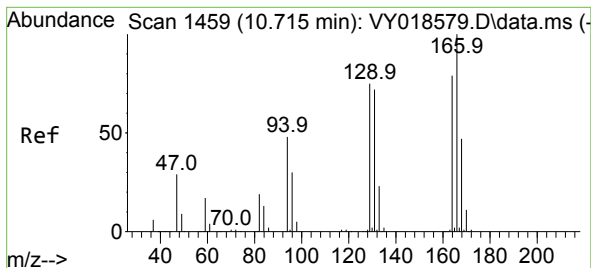
Tgt Ion: 95 Resp: 10463
Ion Ratio Lower Upper
95 100
174 74.7 0.0 175.6
176 72.5 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.483 min Scan# 1585
Delta R.T. 0.000 min
Lab File: VY018734.D
Acq: 28 Jun 2024 17:26

Tgt Ion:117 Resp: 2465
Ion Ratio Lower Upper
117 100
82 64.8 42.4 63.6#
119 19.2 25.9 38.9#





#64

Tetrachloroethene

Concen: 24.515 ug/l

RT: 10.721 min Scan# 1459

Delta R.T. 0.006 min

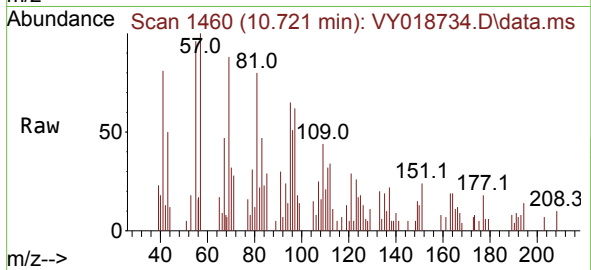
Lab File: VY018734.D

Acq: 28 Jun 2024 17:26

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:164 Resp: 431

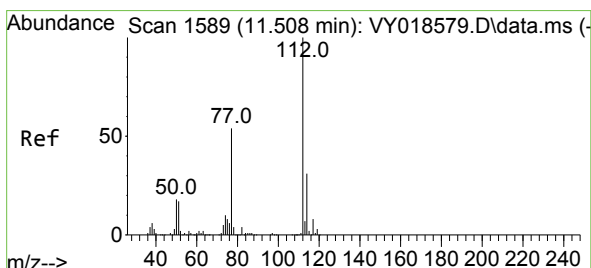
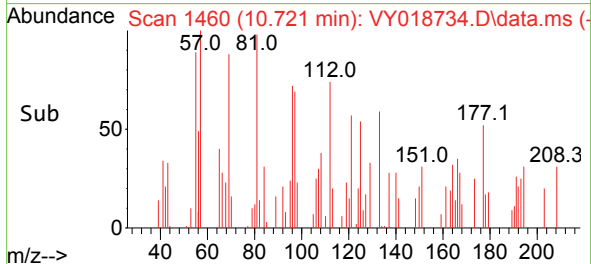
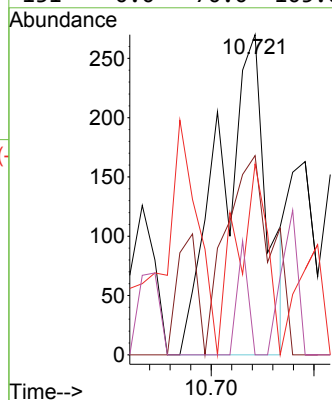
Ion Ratio Lower Upper

164 100

166 30.4 102.6 154.0#

129 59.6 72.0 108.0#

131 0.0 70.0 105.0#



#65

Chlorobenzene

Concen: 8.327 ug/l

RT: 11.502 min Scan# 1588

Delta R.T. -0.006 min

Lab File: VY018734.D

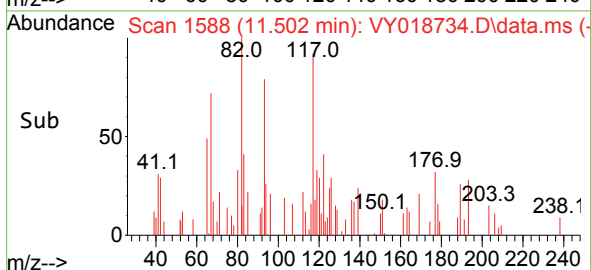
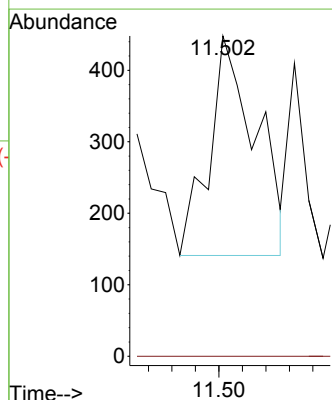
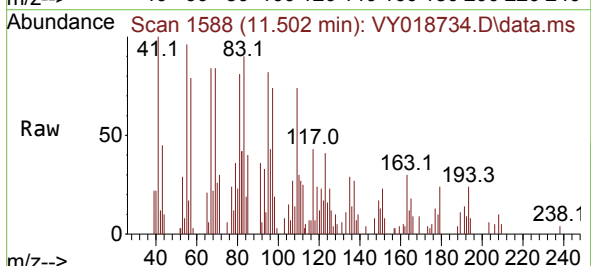
Acq: 28 Jun 2024 17:26

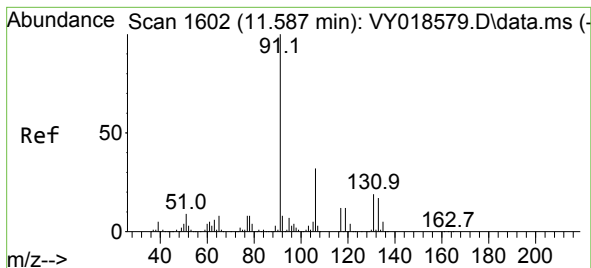
Tgt Ion:112 Resp: 424

Ion Ratio Lower Upper

112 100

114 0.0 26.4 39.6#

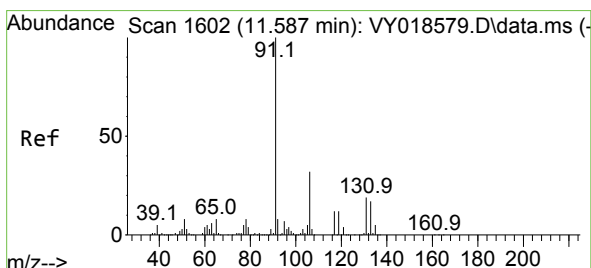
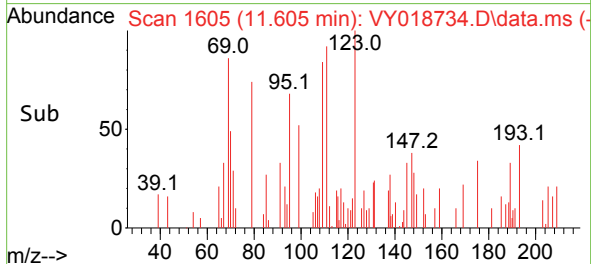
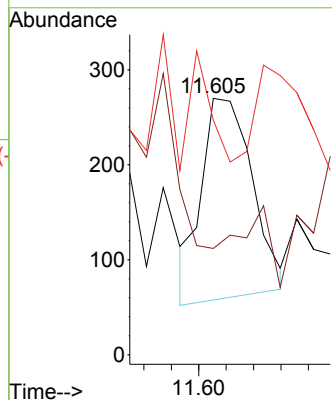
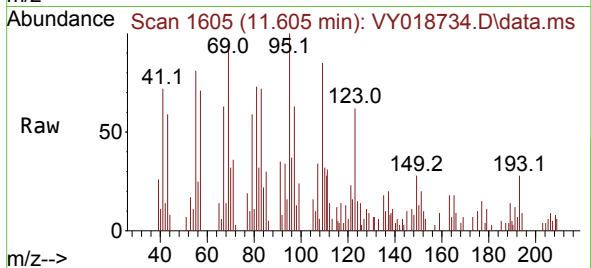




#66
1,1,1,2-Tetrachloroethane
Concen: 15.940 ug/l
RT: 11.605 min Scan# 1605
Delta R.T. 0.018 min
Lab File: VY018734.D
Acq: 28 Jun 2024 17:26

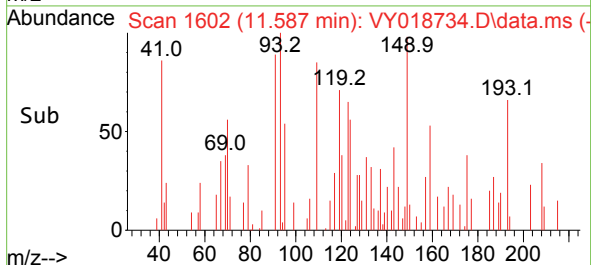
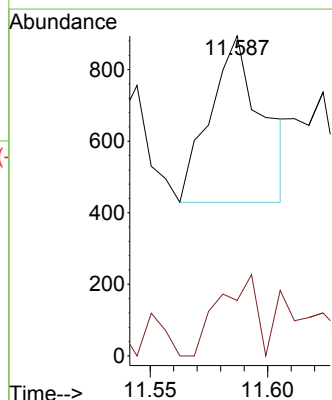
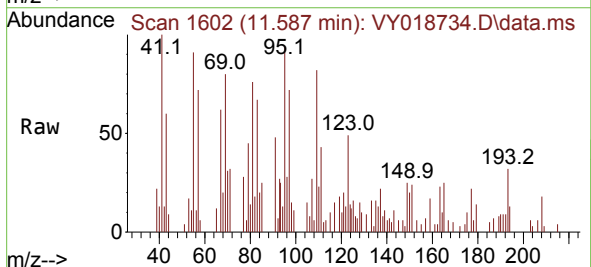
Instrument :
MSVOA_Y
ClientSampleId :

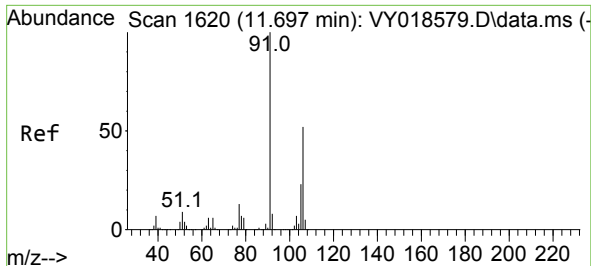
Tgt Ion:131 Resp: 272
Ion Ratio Lower Upper
131 100
133 63.2 47.8 143.3
119 19.1 34.1 102.2#



#67
Ethyl Benzene
Concen: 8.081 ug/l
RT: 11.587 min Scan# 1602
Delta R.T. 0.000 min
Lab File: VY018734.D
Acq: 28 Jun 2024 17:26

Tgt Ion: 91 Resp: 714
Ion Ratio Lower Upper
91 100
106 33.3 24.5 36.7

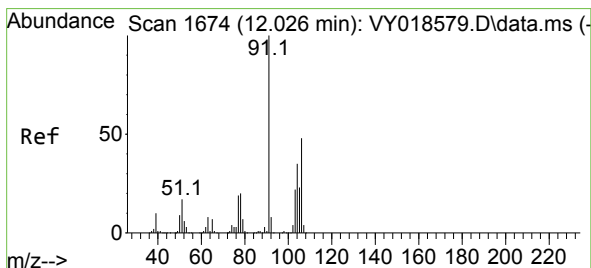
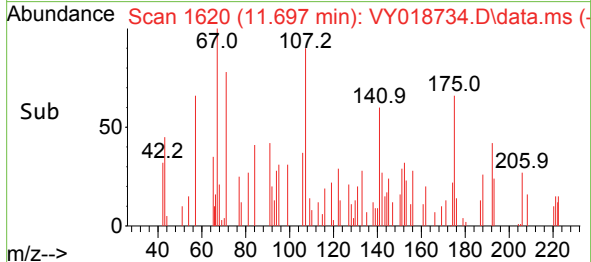
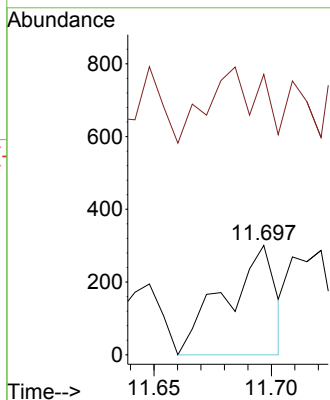
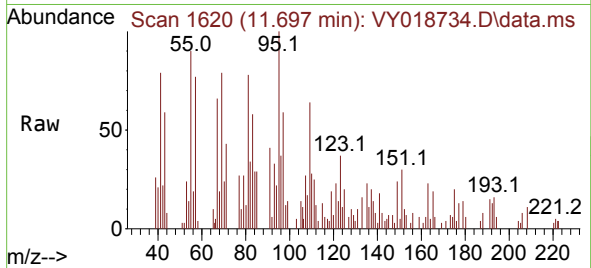




#68
m/p-Xylenes
Concen: 12.943 ug/l
RT: 11.697 min Scan# 1169
Delta R.T. 0.000 min
Lab File: VY018734.D
Acq: 28 Jun 2024 17:26

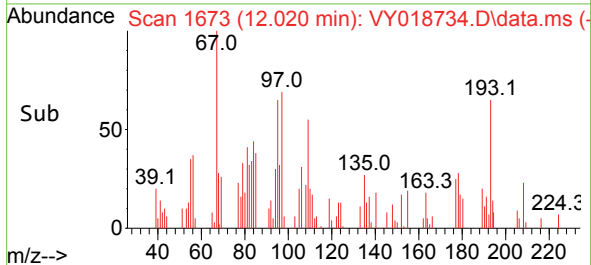
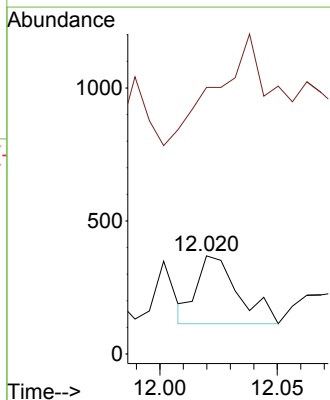
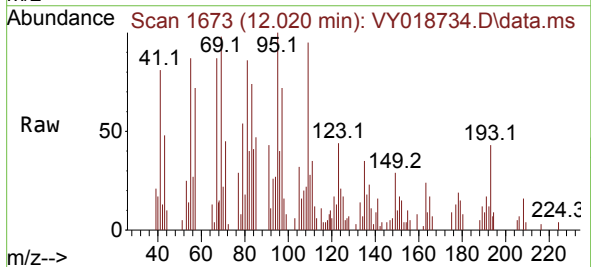
Instrument :
MSVOA_Y
ClientSampleId :

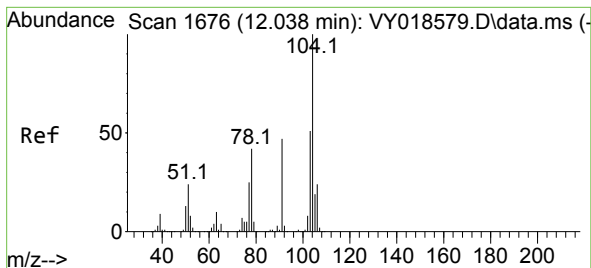
Tgt Ion:106 Resp: 445
Ion Ratio Lower Upper
106 100
91 70.1 156.0 234.0#



#69
o-Xylene
Concen: 9.376 ug/l
RT: 12.020 min Scan# 1673
Delta R.T. -0.006 min
Lab File: VY018734.D
Acq: 28 Jun 2024 17:26

Tgt Ion:106 Resp: 310
Ion Ratio Lower Upper
106 100
91 231.9 103.6 310.8





#70

Styrene

Concen: 1.629 ug/l

RT: 12.032 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY018734.D

Acq: 28 Jun 2024 17:26

Instrument :

MSVOA_Y

ClientSampleId :

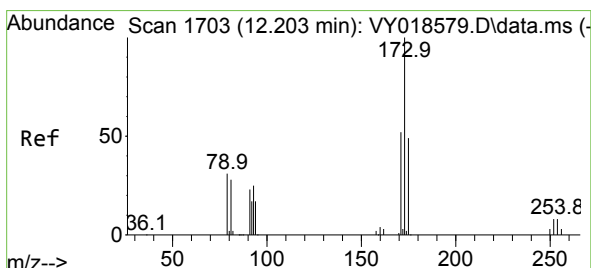
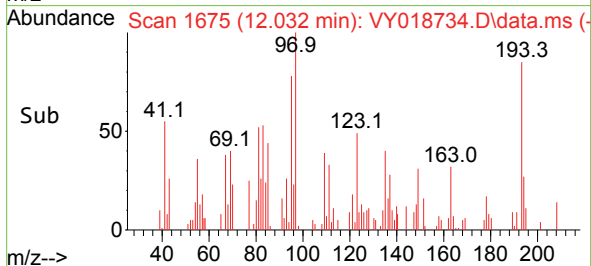
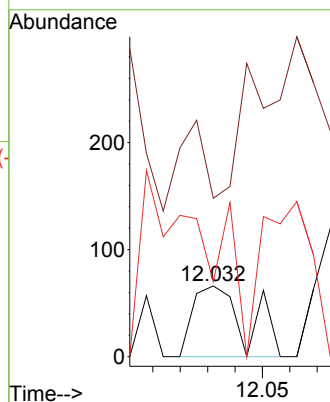
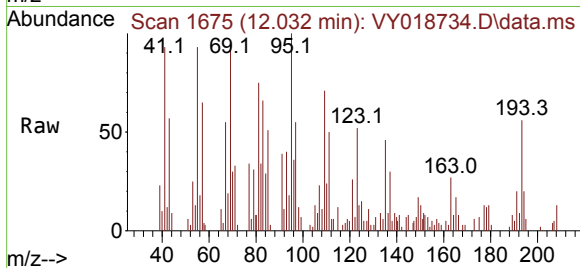
Tgt Ion:104 Resp: 89

Ion Ratio Lower Upper

104 100

78 64.0 37.0 55.4#

103 0.0 44.2 66.2#



#71

Bromoform

Concen: 14.418 ug/l

RT: 12.203 min Scan# 1703

Delta R.T. 0.000 min

Lab File: VY018734.D

Acq: 28 Jun 2024 17:26

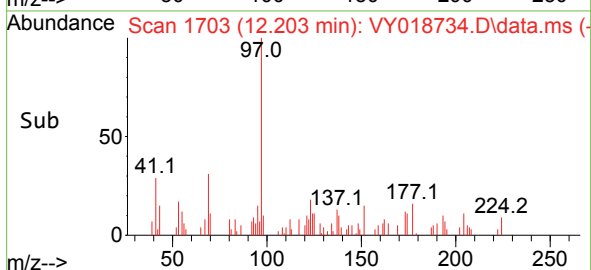
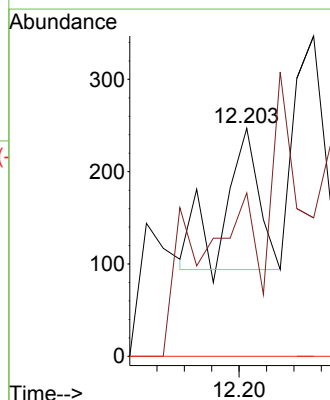
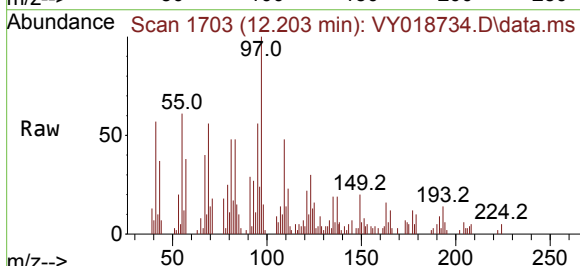
Tgt Ion:173 Resp: 135

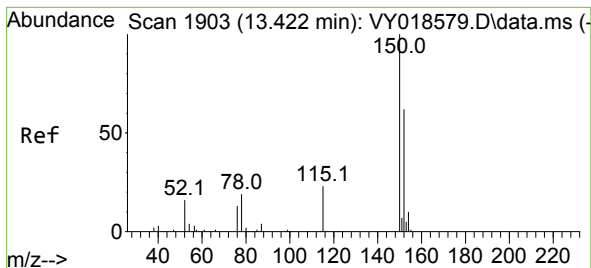
Ion Ratio Lower Upper

173 100

175 373.3 25.1 75.3#

254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY018734.D

Acq: 28 Jun 2024 17:26

Instrument :

MSVOA_Y

ClientSampleId :

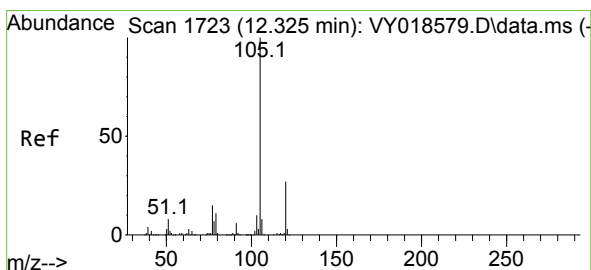
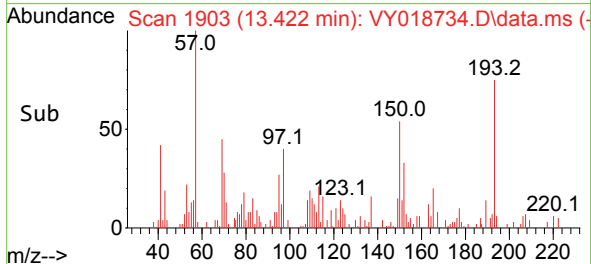
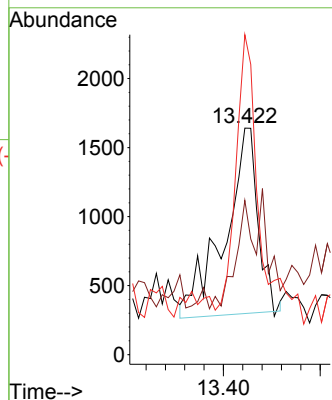
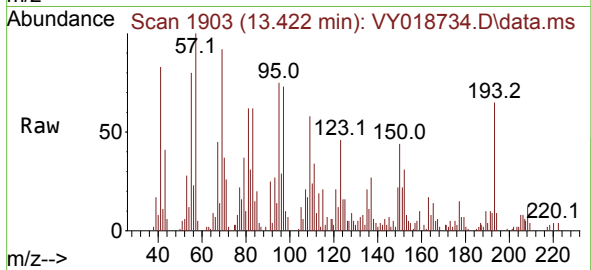
Tgt Ion:152 Resp: 3213

Ion Ratio Lower Upper

152 100

115 31.0 28.2 84.7

150 111.1 0.0 345.6



#73

Isopropylbenzene

Concen: 3.060 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.152 min

Lab File: VY018734.D

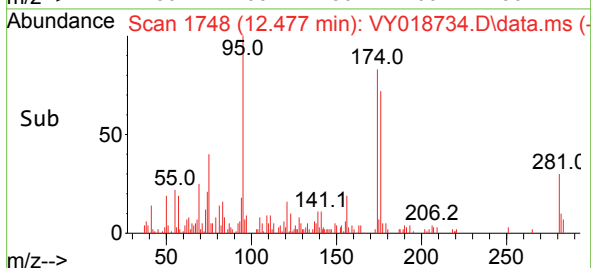
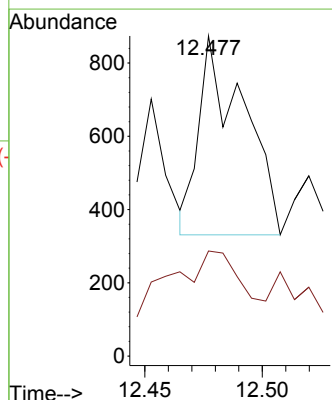
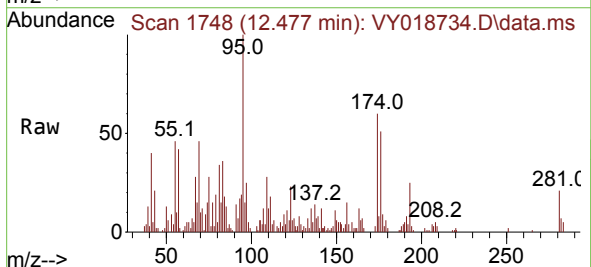
Acq: 28 Jun 2024 17:26

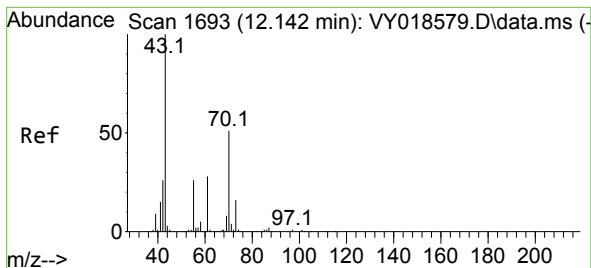
Tgt Ion:105 Resp: 718

Ion Ratio Lower Upper

105 100

120 30.9 13.4 40.1





#74

N-amy1 acetate

Concen: 21.647 ug/l

RT: 12.099 min Scan# 1

Delta R.T. -0.043 min

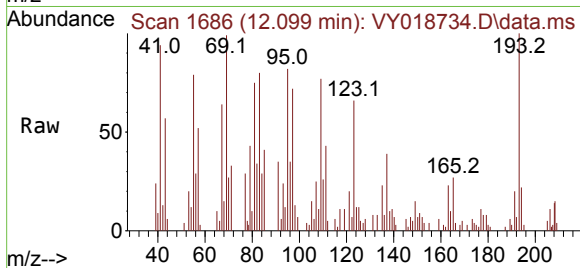
Lab File: VY018734.D

Acq: 28 Jun 2024 17:26

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 43 Resp: 1040

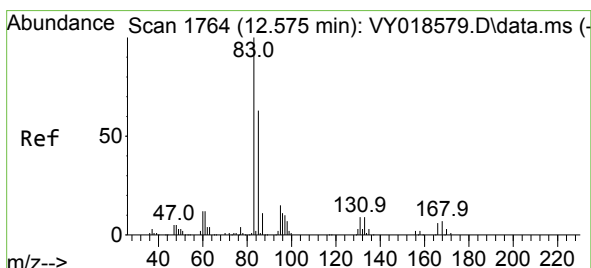
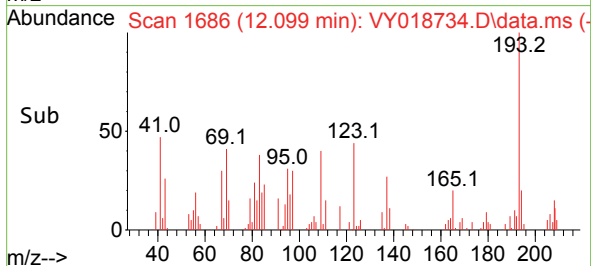
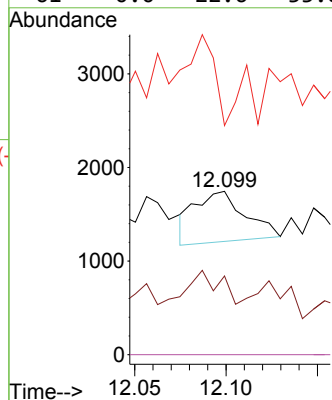
Ion Ratio Lower Upper

43 100

70 79.7 41.4 62.2#

55 0.0 23.3 34.9#

61 0.0 22.6 33.8#



#75

1,1,2,2-Tetrachloroethane

Concen: 15.051 ug/l

RT: 12.605 min Scan# 1769

Delta R.T. 0.030 min

Lab File: VY018734.D

Acq: 28 Jun 2024 17:26

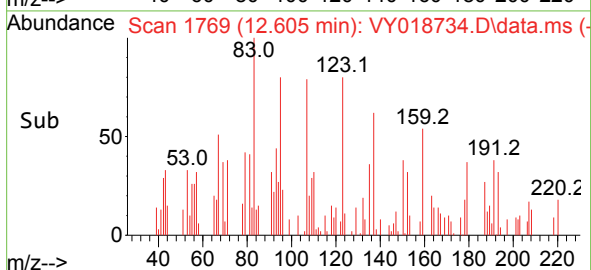
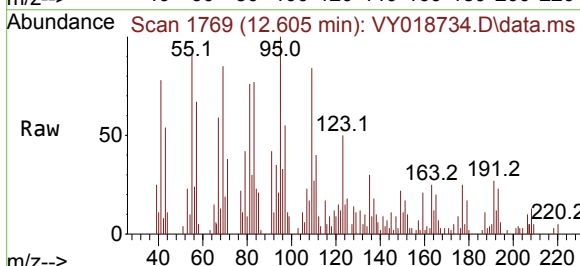
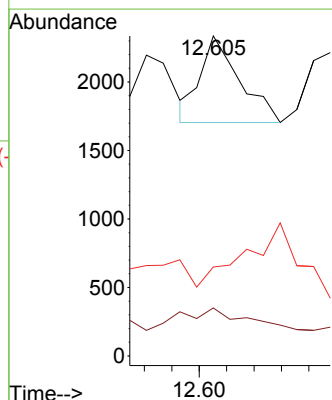
Tgt Ion: 83 Resp: 627

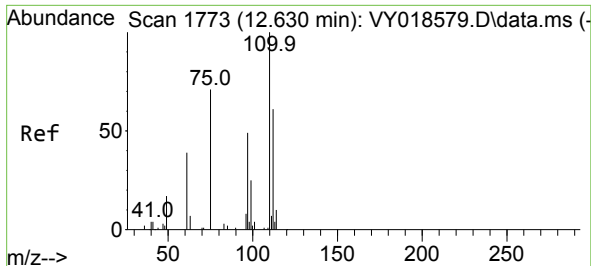
Ion Ratio Lower Upper

83 100

131 48.3 5.0 14.9#

85 0.0 32.0 96.0#

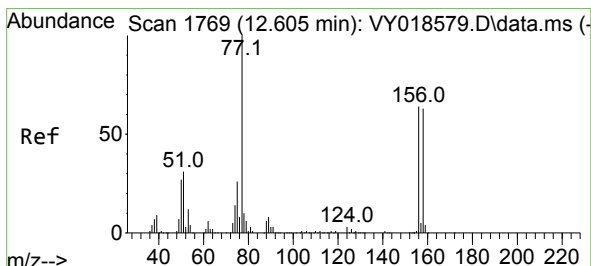
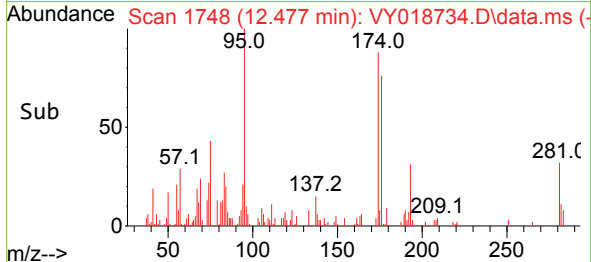
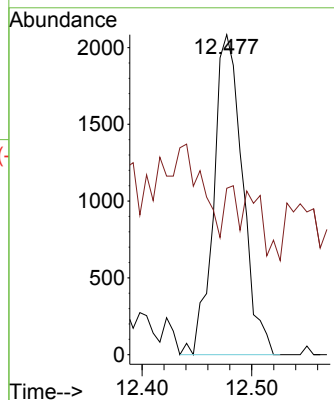
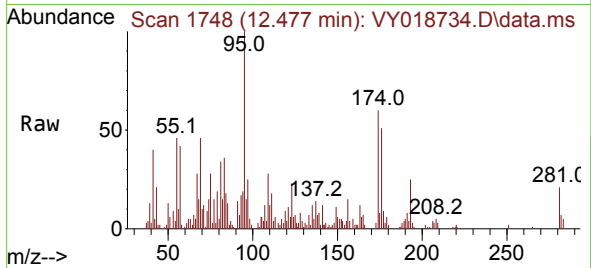




#76
1,2,3-Trichloropropane
Concen: 126.678 ug/l
RT: 12.477 min Scan# 1773
Delta R.T. -0.152 min
Lab File: VY018734.D
Acq: 28 Jun 2024 17:26

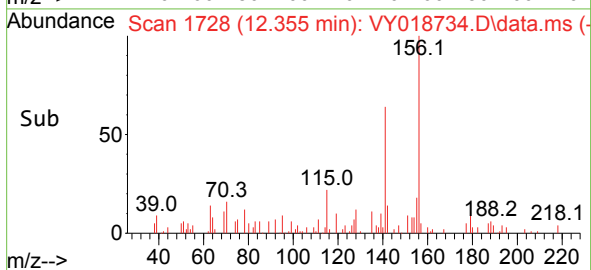
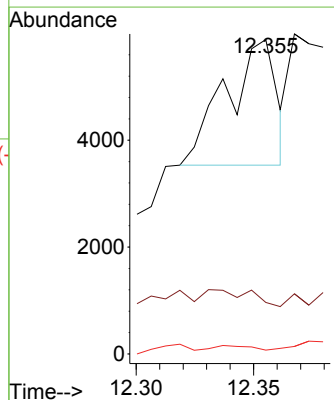
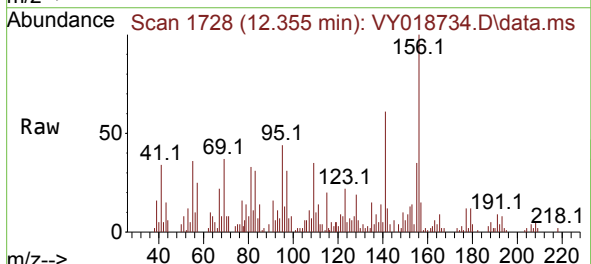
Instrument :
MSVOA_Y
ClientSampleId :

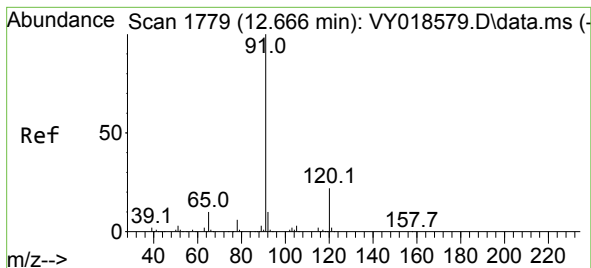
Tgt Ion: 75 Resp: 3818
Ion Ratio Lower Upper
75 100
77 6.8 0.0 0.0#



#77
Bromobenzene
Concen: 64.542 ug/l
RT: 12.355 min Scan# 1728
Delta R.T. -0.250 min
Lab File: VY018734.D
Acq: 28 Jun 2024 17:26

Tgt Ion:156 Resp: 3502
Ion Ratio Lower Upper
156 100
77 0.0 87.1 261.3#
158 2.2 48.6 145.9#





#78

n-propylbenzene

Concen: 1.471 ug/l

RT: 12.916 min Scan# 1791

Delta R.T. 0.250 min

Lab File: VY018734.D

Acq: 28 Jun 2024 17:26

Instrument :

MSVOA_Y

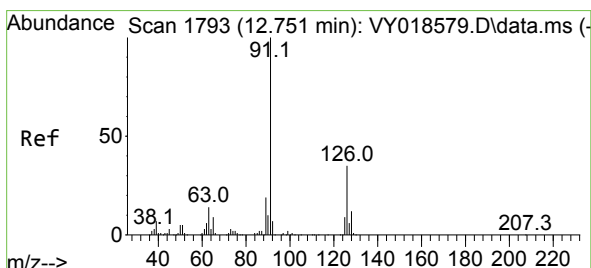
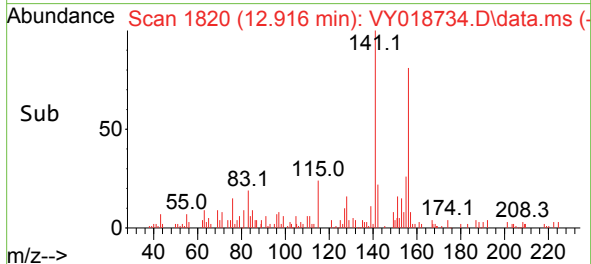
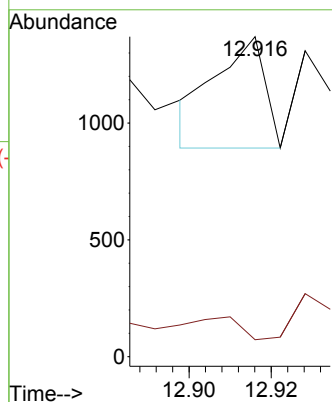
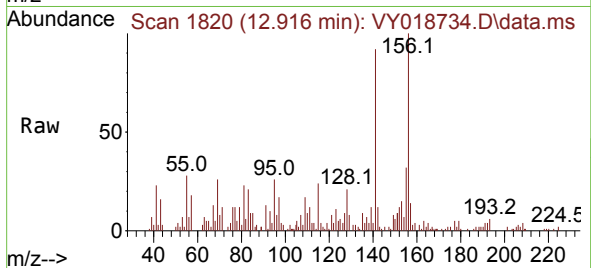
ClientSampleId :

Tgt Ion: 91 Resp: 404

Ion Ratio Lower Upper

91 100

120 22.3 11.5 34.4



#79

2-Chlorotoluene

Concen: 5.555 ug/l

RT: 12.739 min Scan# 1791

Delta R.T. -0.012 min

Lab File: VY018734.D

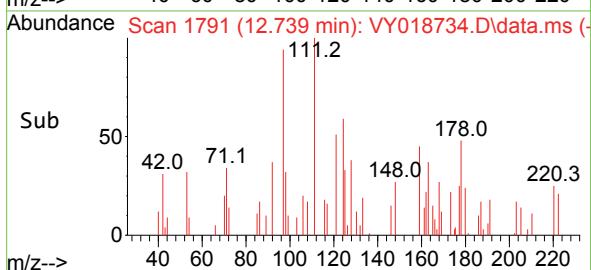
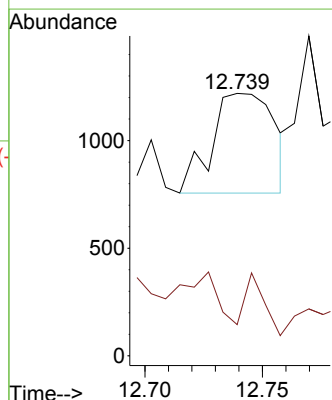
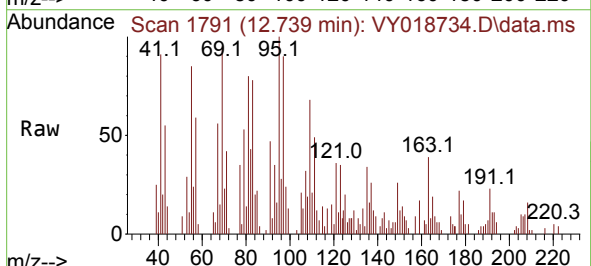
Acq: 28 Jun 2024 17:26

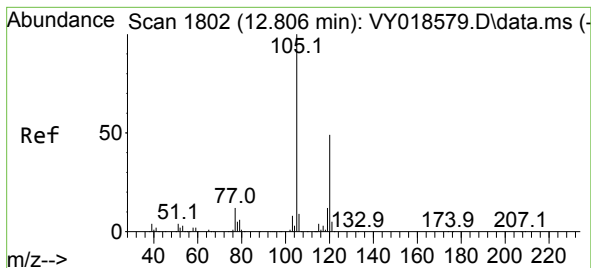
Tgt Ion: 91 Resp: 861

Ion Ratio Lower Upper

91 100

126 18.4 17.8 53.5





#80

1,3,5-Trimethylbenzene

Concen: 1.549 ug/l

RT: 12.953 min Scan# 11

Delta R.T. 0.146 min

Lab File: VY018734.D

Acq: 28 Jun 2024 17:26

Instrument :

MSVOA_Y

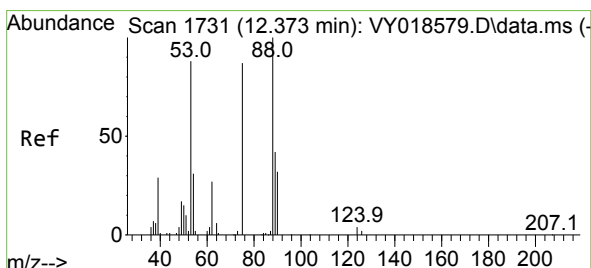
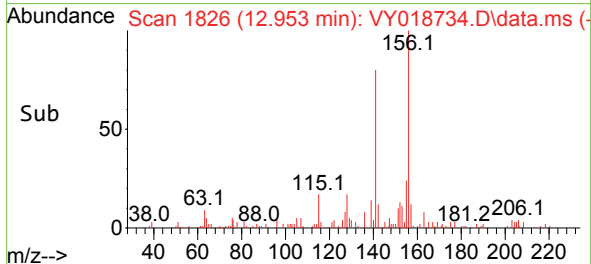
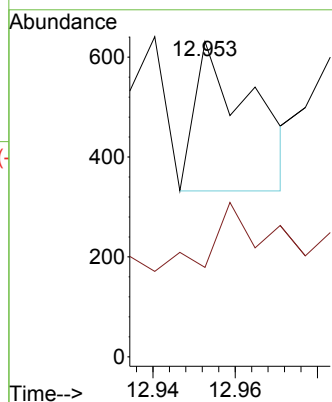
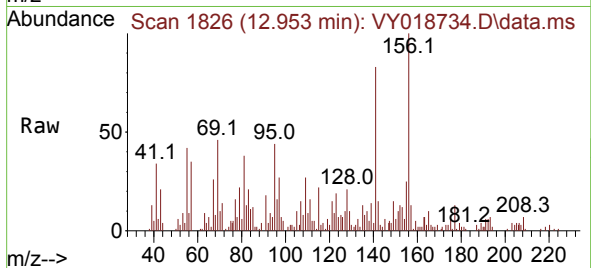
ClientSampleId :

Tgt Ion:105 Resp: 288

Ion Ratio Lower Upper

105 100

120 45.1 25.1 75.2



#81

trans-1,4-Dichloro-2-butene

Concen: 23.900 ug/l

RT: 12.386 min Scan# 1733

Delta R.T. 0.012 min

Lab File: VY018734.D

Acq: 28 Jun 2024 17:26

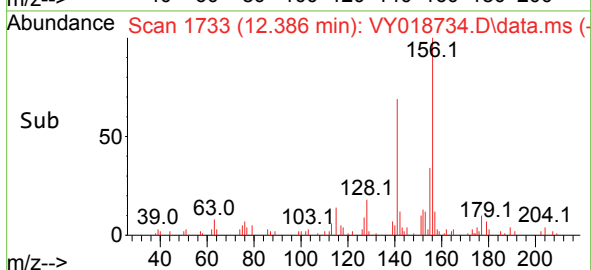
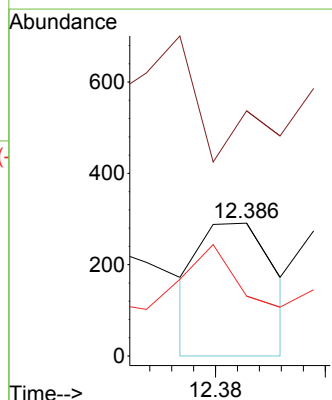
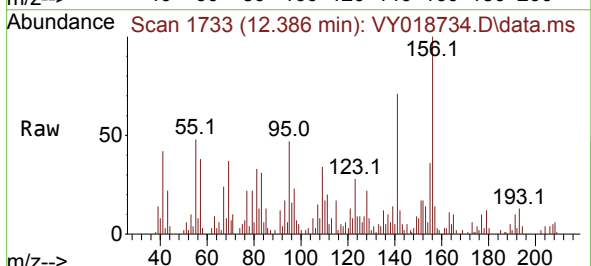
Tgt Ion: 75 Resp: 275

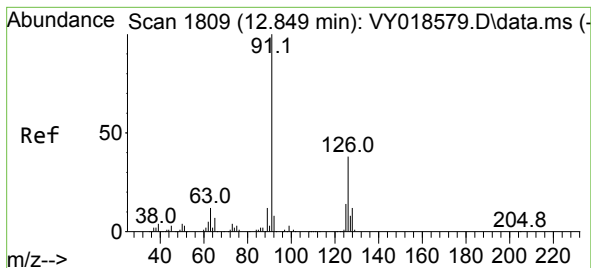
Ion Ratio Lower Upper

75 100

53 0.0 66.8 100.2#

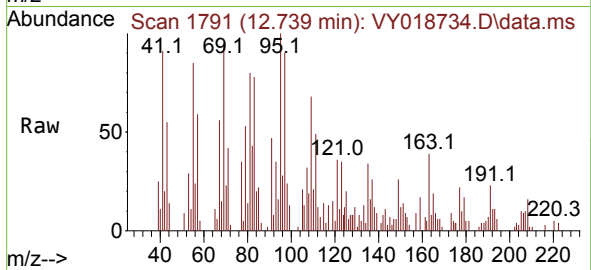
89 33.8 35.8 53.6#



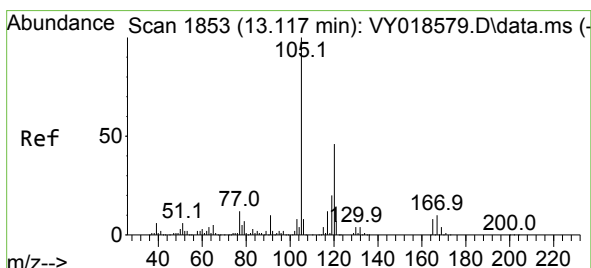
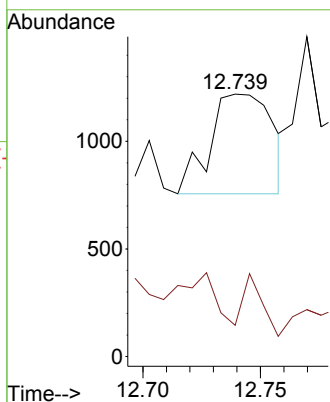
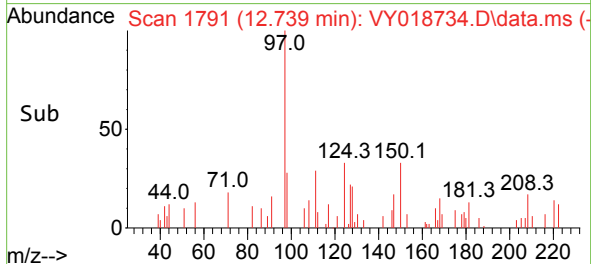


#82
4-Chlorotoluene
Concen: 5.516 ug/l
RT: 12.739 min Scan# 1791
Delta R.T. -0.110 min
Lab File: VY018734.D
Acq: 28 Jun 2024 17:26

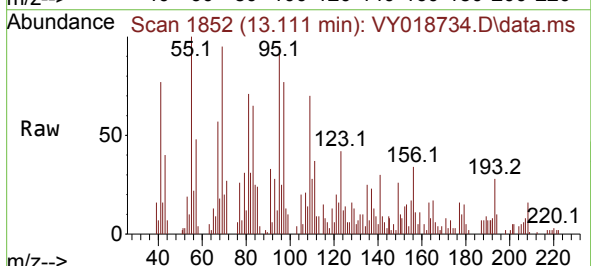
Instrument :
MSVOA_Y
ClientSampleId :



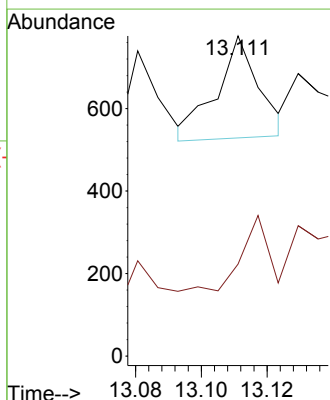
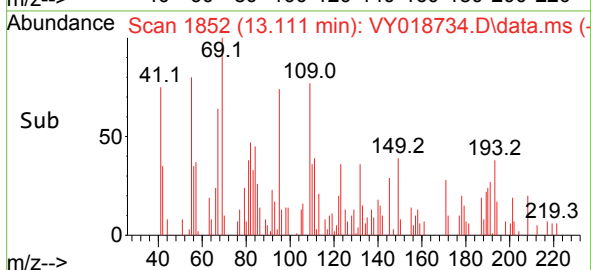
Tgt Ion: 91 Resp: 861
Ion Ratio Lower Upper
91 100
126 18.4 17.6 52.9

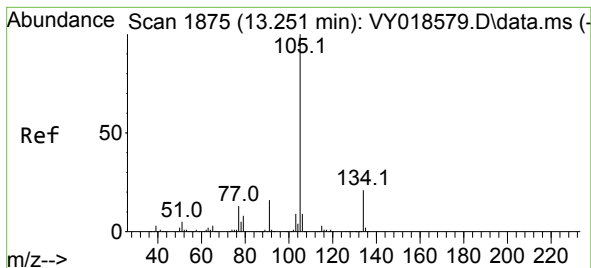


#84
1,2,4-Trimethylbenzene
Concen: 1.194 ug/l
RT: 13.111 min Scan# 1852
Delta R.T. -0.006 min
Lab File: VY018734.D
Acq: 28 Jun 2024 17:26



Tgt Ion: 105 Resp: 222
Ion Ratio Lower Upper
105 100
120 44.1 23.2 69.6





#85

sec-Butylbenzene

Concen: 1.846 ug/l

RT: 13.215 min Scan# 1869

Delta R.T. -0.037 min

Lab File: VY018734.D

Acq: 28 Jun 2024 17:26

Instrument :

MSVOA_Y

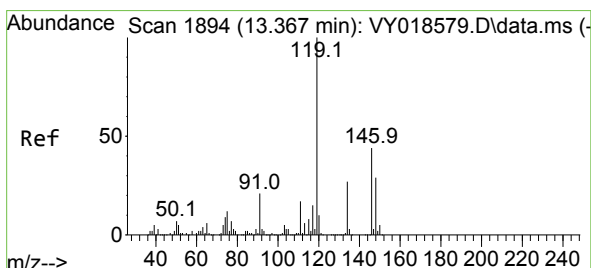
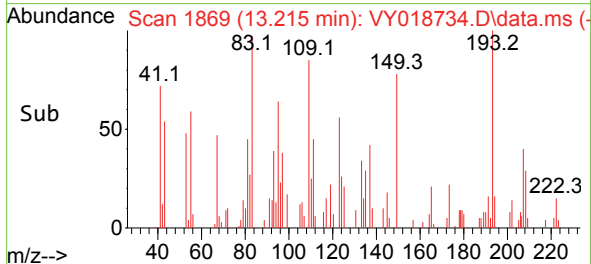
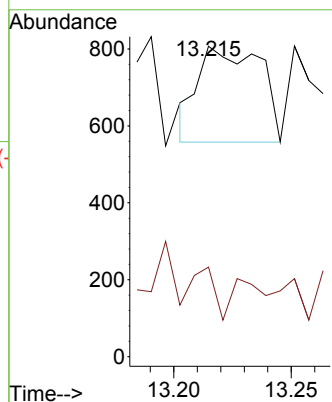
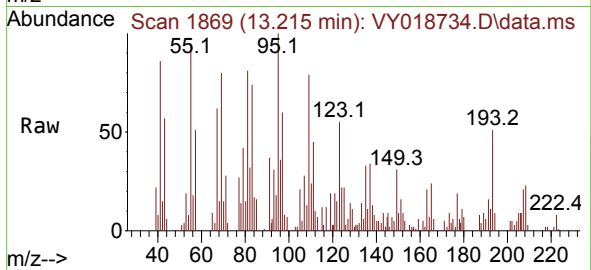
ClientSampleId :

Tgt Ion:105 Resp: 453

Ion Ratio Lower Upper

105 100

134 27.6 10.1 30.1



#86

p-Isopropyltoluene

Concen: 1.917 ug/l

RT: 13.373 min Scan# 1895

Delta R.T. 0.006 min

Lab File: VY018734.D

Acq: 28 Jun 2024 17:26

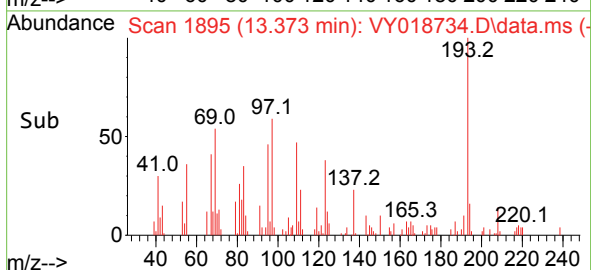
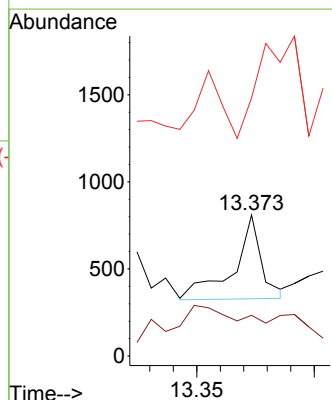
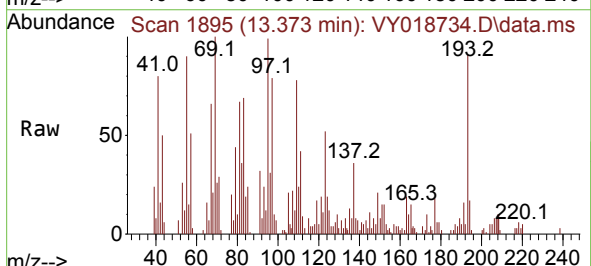
Tgt Ion:119 Resp: 399

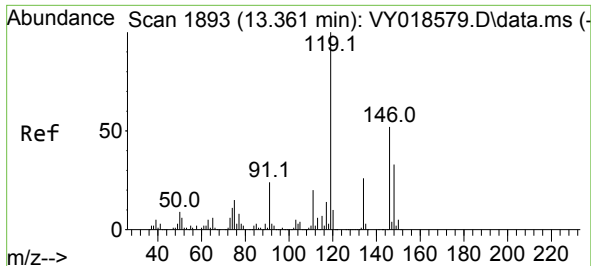
Ion Ratio Lower Upper

119 100

134 0.0 13.1 39.3#

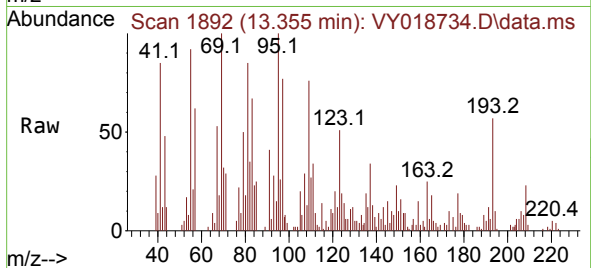
91 166.4 10.7 32.1#



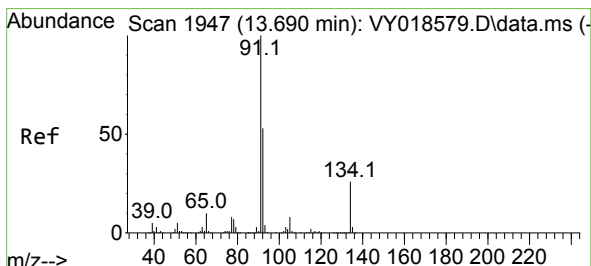
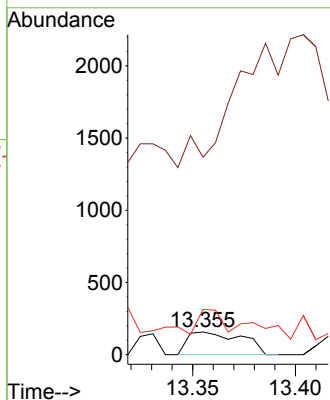
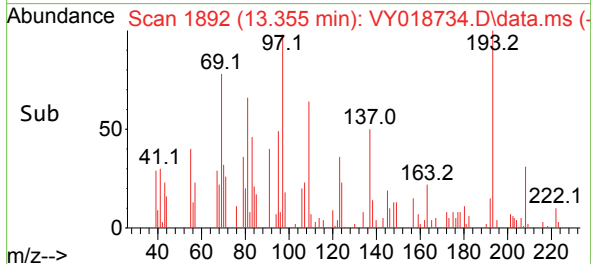


#87
1,3-Dichlorobenzene
Concen: 2.659 ug/l
RT: 13.355 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY018734.D
Acq: 28 Jun 2024 17:26

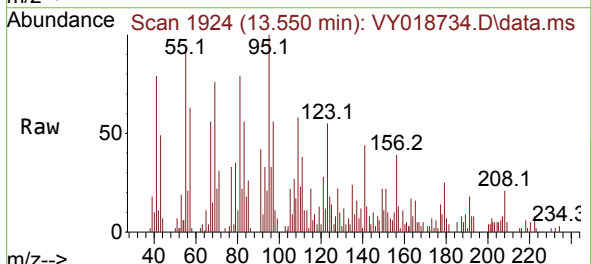
Instrument :
MSVOA_Y
ClientSampleId :



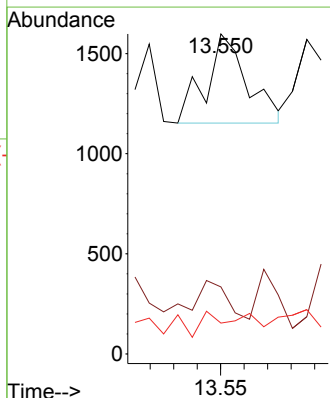
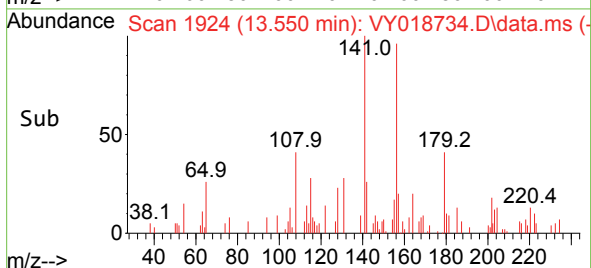
Tgt Ion:146 Resp: 291
Ion Ratio Lower Upper
146 100
111 0.0 19.0 57.0#
148 53.6 31.7 95.1

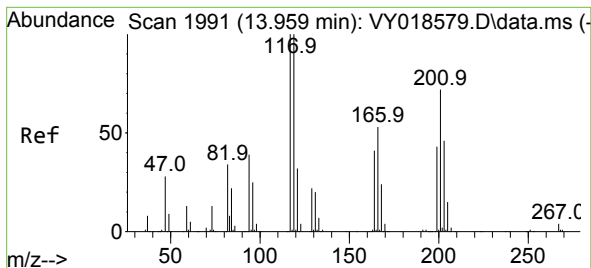


#89
n-Butylbenzene
Concen: 2.906 ug/l
RT: 13.550 min Scan# 1924
Delta R.T. -0.140 min
Lab File: VY018734.D
Acq: 28 Jun 2024 17:26



Tgt Ion: 91 Resp: 545
Ion Ratio Lower Upper
91 100
92 34.1 26.6 79.7
134 18.9 12.9 38.7





#90

Hexachloroethane

Concen: 16.613 ug/l

RT: 13.952 min Scan# 1991

Delta R.T. -0.006 min

Lab File: VY018734.D

Acq: 28 Jun 2024 17:26

Instrument :

MSVOA_Y

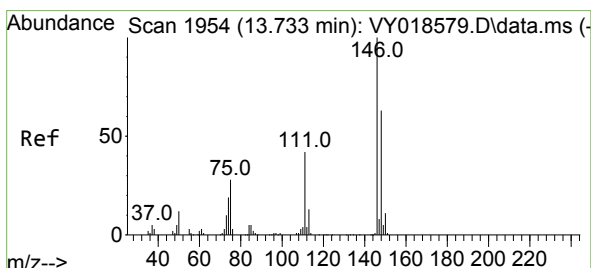
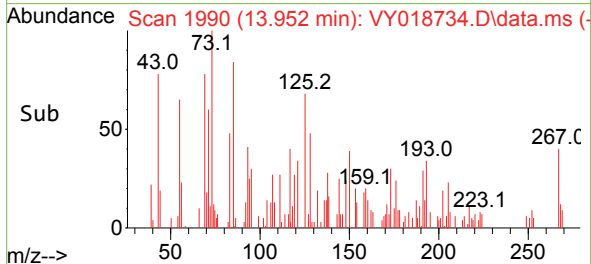
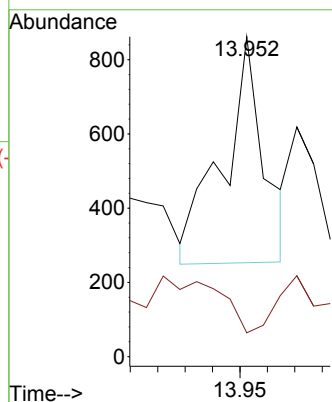
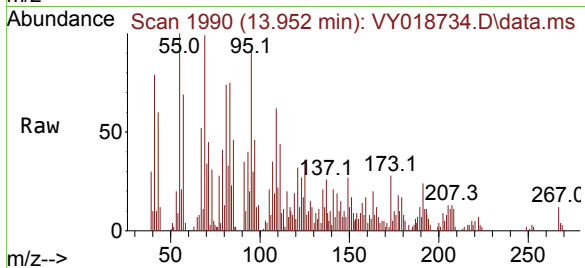
ClientSampleId :

Tgt Ion:117 Resp: 628

Ion Ratio Lower Upper

117 100

201 43.6 37.4 112.2



#91

1,2-Dichlorobenzene

Concen: 6.311 ug/l

RT: 13.739 min Scan# 1955

Delta R.T. 0.006 min

Lab File: VY018734.D

Acq: 28 Jun 2024 17:26

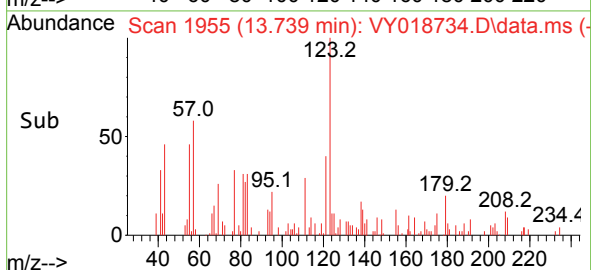
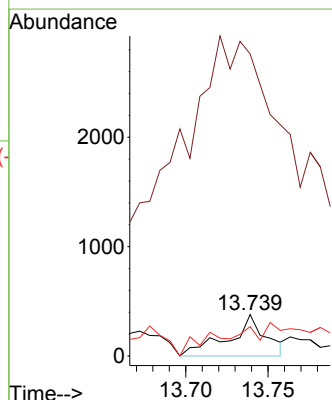
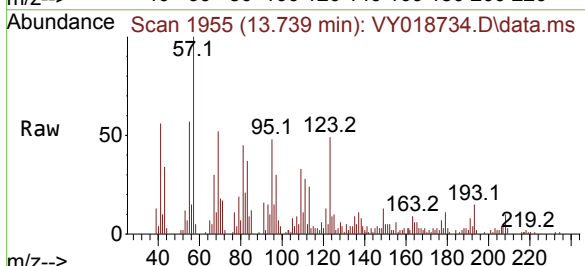
Tgt Ion:146 Resp: 590

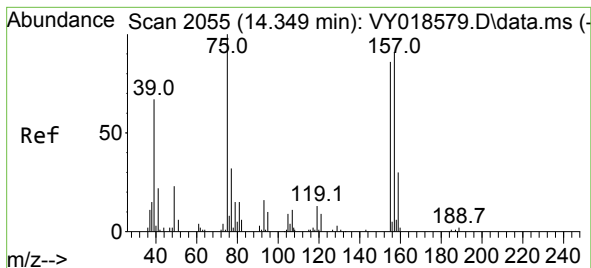
Ion Ratio Lower Upper

146 100

111 1367.8 19.9 59.7#

148 88.0 31.8 95.4

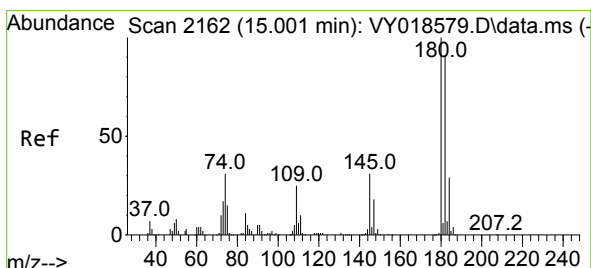
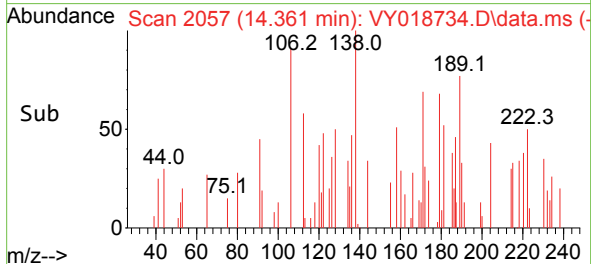
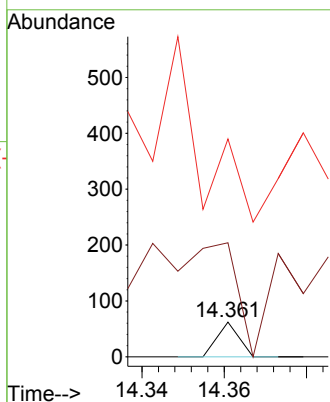
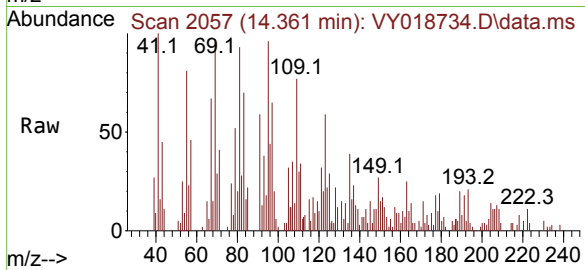




#92
1,2-Dibromo-3-Chloropropane
Concen: 3.813 ug/l
RT: 14.361 min Scan# 2057
Delta R.T. 0.012 min
Lab File: VY018734.D
Acq: 28 Jun 2024 17:26

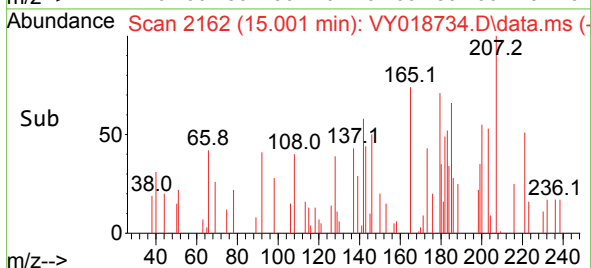
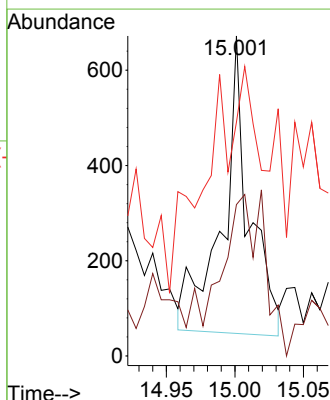
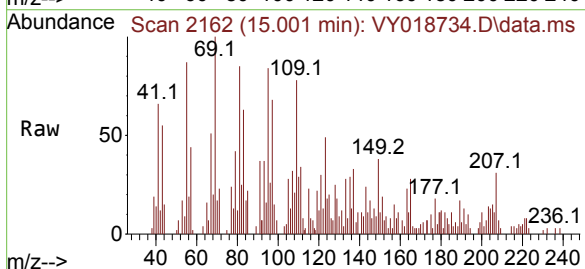
Instrument :
MSVOA_Y
ClientSampleId :

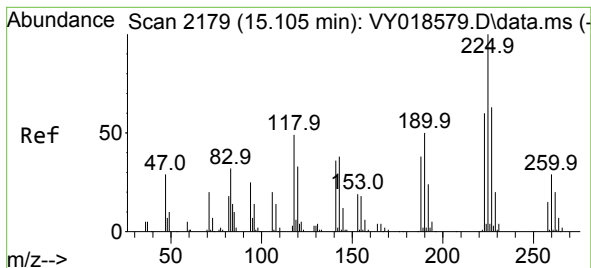
Tgt Ion: 75 Resp: 23
Ion Ratio Lower Upper
75 100
155 1200.0 48.6 145.8#
157 0.0 62.7 188.2#



#93
1,2,4-Trichlorobenzene
Concen: 16.300 ug/l
RT: 15.001 min Scan# 2162
Delta R.T. 0.000 min
Lab File: VY018734.D
Acq: 28 Jun 2024 17:26

Tgt Ion:180 Resp: 849
Ion Ratio Lower Upper
180 100
182 0.0 47.9 143.8#
145 76.3 14.2 42.6#





#94

Hexachlorobutadiene

Concen: 2.466 ug/l

RT: 15.086 min Scan# 2176

Delta R.T. -0.018 min

Lab File: VY018734.D

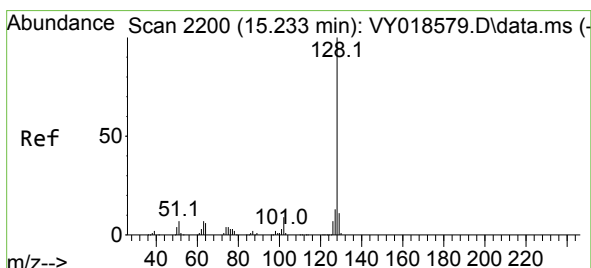
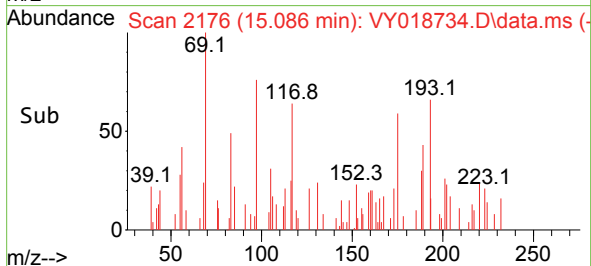
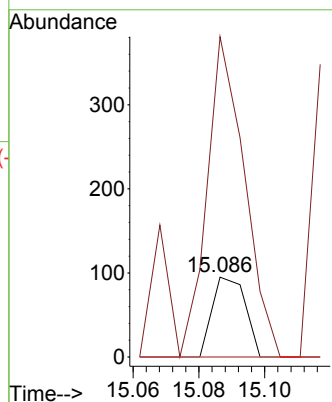
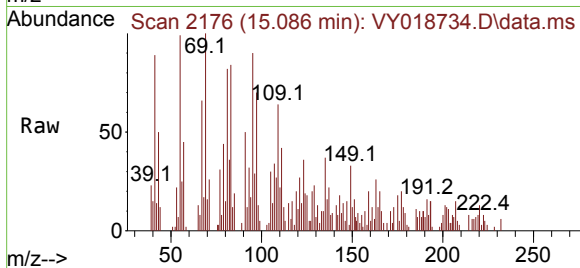
Acq: 28 Jun 2024 17:26

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:	225	Resp:	66
Ion	Ratio	Lower	Upper
225	100		
223	543.9	30.4	91.2#
227	0.0	31.9	95.9#



#95

Naphthalene

Concen: 12.966 ug/l

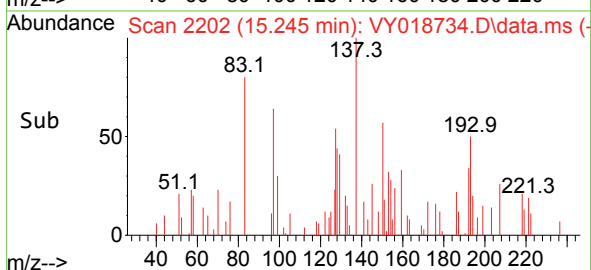
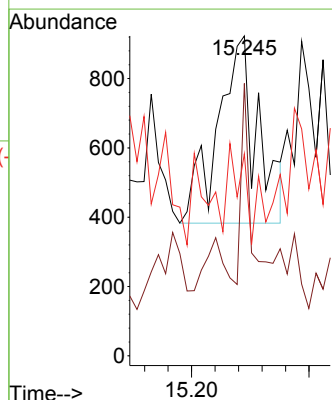
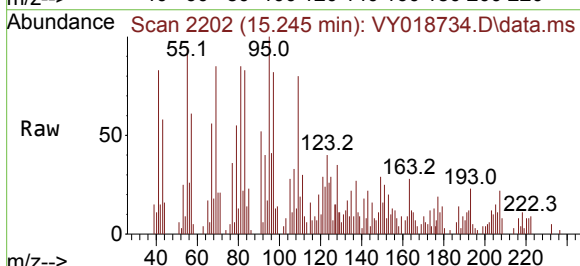
RT: 15.245 min Scan# 2202

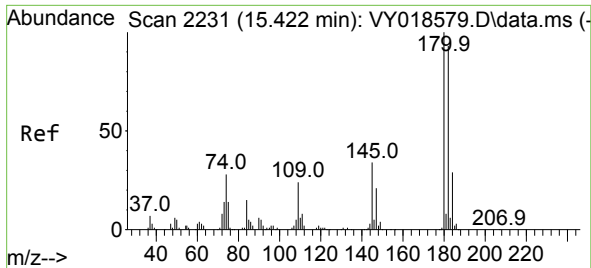
Delta R.T. 0.012 min

Lab File: VY018734.D

Acq: 28 Jun 2024 17:26

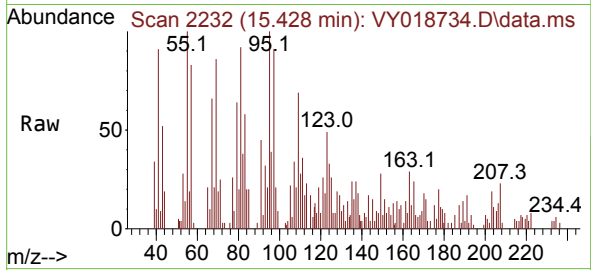
Tgt Ion:	128	Resp:	1262
Ion	Ratio	Lower	Upper
128	100		
127	21.7	10.6	16.0#
129	0.0	8.6	13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 14.997 ug/l
 RT: 15.428 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VY018734.D
 Acq: 28 Jun 2024 17:26

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:180 Resp: 660
 Ion Ratio Lower Upper
 180 100
 182 32.7 47.6 142.9#
 145 11.4 15.4 46.1#

