

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010824\
 Data File : VY016931.D
 Acq On : 08 Jan 2024 12:55
 Operator : SY/MD
 Sample : P1055-07
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 09 06:34:50 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010224S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 02 14:25:32 2024
 Response via : Initial Calibration

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

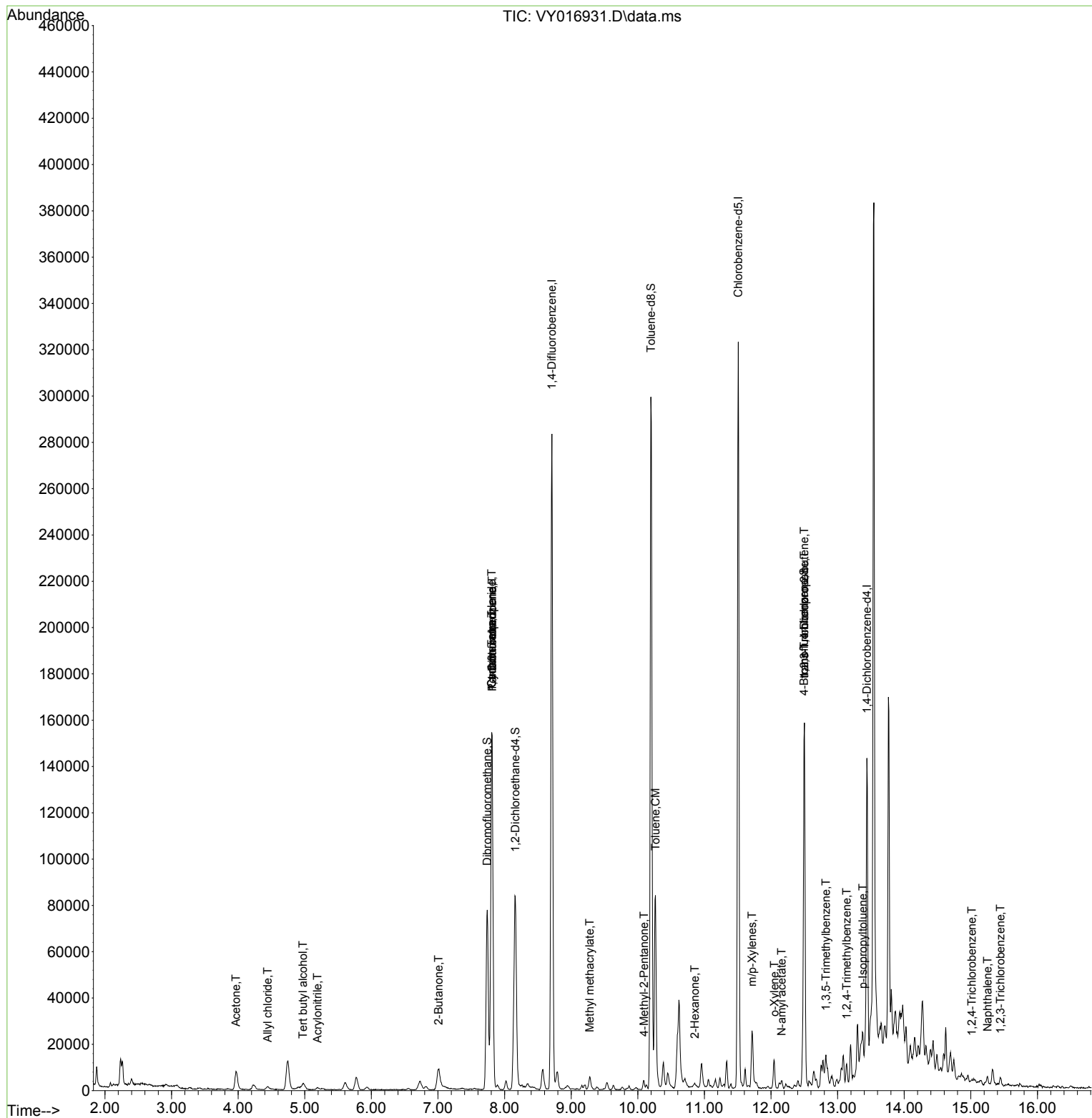
Internal Standards						
1) Pentafluorobenzene	7.813	168	112642	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.709	114	238012	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.508	117	171467	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.440	152	31249	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.161	65	52122	46.817	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	93.640%
35) Dibromofluoromethane	7.740	113	57019	37.594	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	75.180%
50) Toluene-d8	10.197	98	189760	36.333	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	72.660%
62) 4-Bromofluorobenzene	12.495	95	41423	23.508	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	47.020%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.972	59	5421	38.896	ug/l	98
13) Acrolein	3.747	56	79	Below Cal	#	15
14) Allyl chloride	4.442	41	2537	1.496	ug/l #	33
15) Acrylonitrile	5.192	53	1097	3.816	ug/l #	85
16) Acetone	3.966	43	14579	32.092	ug/l	99
20) Methylene Chloride	4.734	84	9559	Below Cal		88
25) 2-Butanone	7.008	43	4671	2.701	ug/l	95
31) Cyclohexane	7.807	56	7289	3.815	ug/l #	58
36) 1,1-Dichloropropene	7.813	75	9725	4.400	ug/l #	50
38) Carbon Tetrachloride	7.807	117	11429	5.089	ug/l #	18
48) Methyl methacrylate	9.276	41	2241	2.159	ug/l #	39
51) 4-Methyl-2-Pentanone	10.093	43	3049	2.980	ug/l	88
52) Toluene	10.264	92	34471	8.614	ug/l	99
59) 2-Hexanone	10.855	43	1006	1.336	ug/l	84
68) m/p-Xylenes	11.715	106	7569	3.207	ug/l	97
69) o-Xylene	12.050	106	3173	1.434	ug/l	95
74) N-amyl acetate	12.160	43	1508	2.941	ug/l #	80
76) 1,2,3-Trichloropropane	12.501	75	22257	65.634	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.825	105	2060	1.021	ug/l	93
81) trans-1,4-Dichloro-2-b...	12.501	75	22257	149.038	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.135	105	5612	2.824	ug/l	97
86) p-Isopropyltoluene	13.379	119	2516	1.157	ug/l #	77
93) 1,2,4-Trichlorobenzene	15.013	180	598	1.265	ug/l	78
95) Naphthalene	15.251	128	3179	4.590	ug/l	98
96) 1,2,3-Trichlorobenzene	15.446	180	601	1.497	ug/l	90

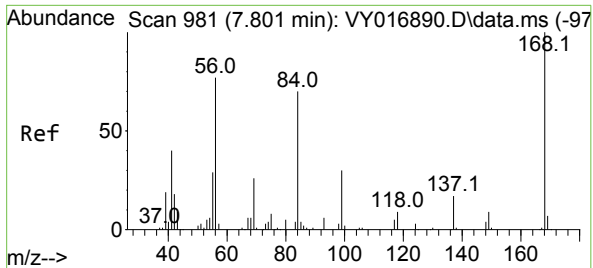
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010824\
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ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :

Quant Time: Jan 09 06:34:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010224S.M
Quant Title : SW846 8260
QLast Update : Tue Jan 02 14:25:32 2024
Response via : Initial Calibration

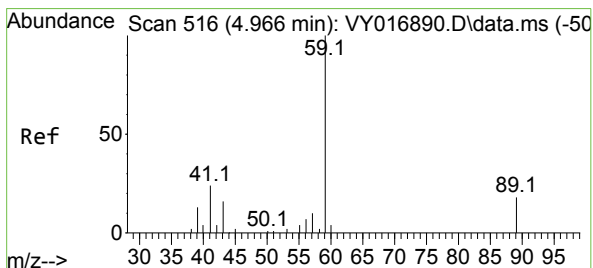
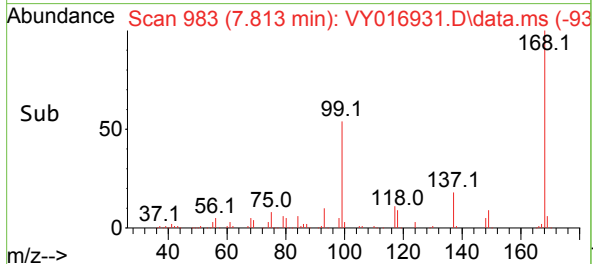
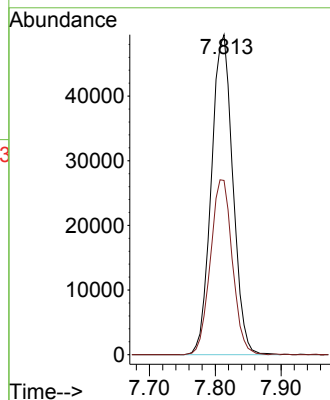
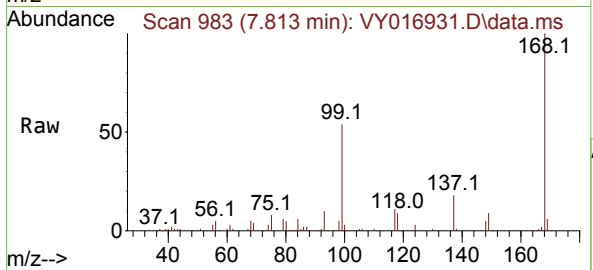




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.813 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY016931.D
Acq: 08 Jan 2024 12:55

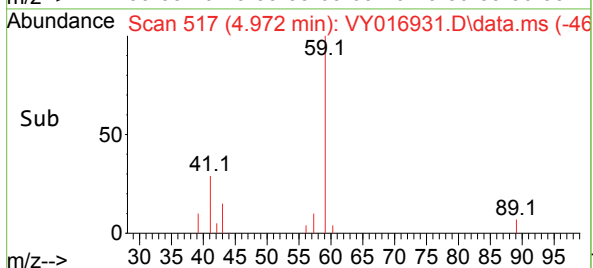
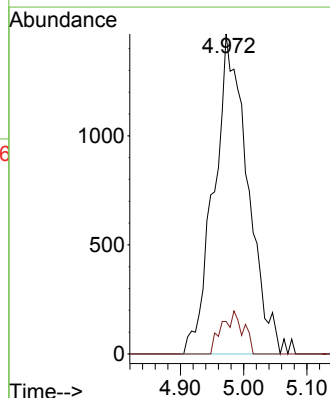
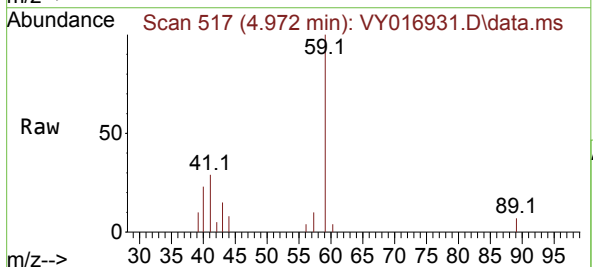
Instrument :
MSVOA_Y
ClientSampleId :

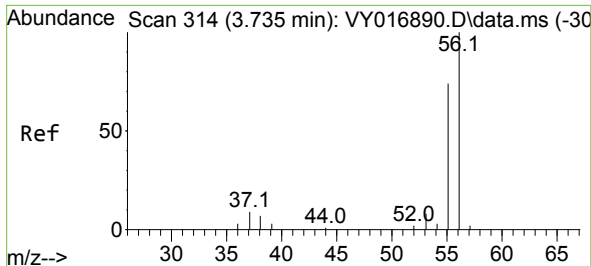
Tgt Ion:168 Resp: 112642
Ion Ratio Lower Upper
168 100
99 54.4 44.2 66.4



#11
Tert butyl alcohol
Concen: 38.896 ug/l
RT: 4.972 min Scan# 517
Delta R.T. 0.006 min
Lab File: VY016931.D
Acq: 08 Jan 2024 12:55

Tgt Ion: 59 Resp: 5421
Ion Ratio Lower Upper
59 100
57 8.6 7.4 11.0





#13

Acrolein

Concen: Below Cal

RT: 3.747 min Scan# 31

Delta R.T. 0.006 min

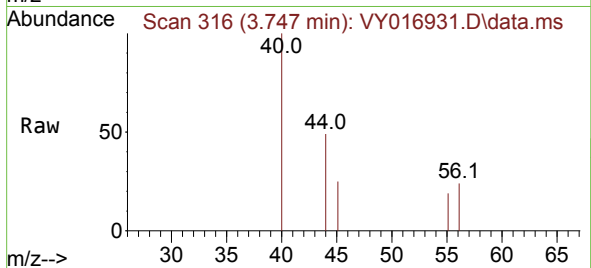
Lab File: VY016931.D

Acq: 08 Jan 2024 12:55

Instrument :

MSVOA_Y

ClientSampleId :

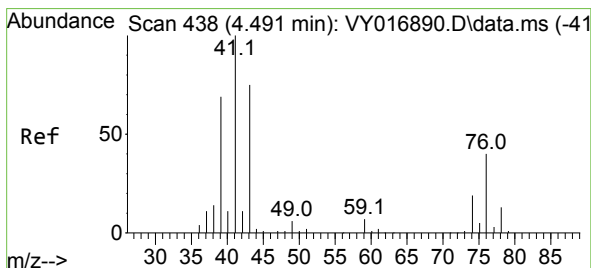
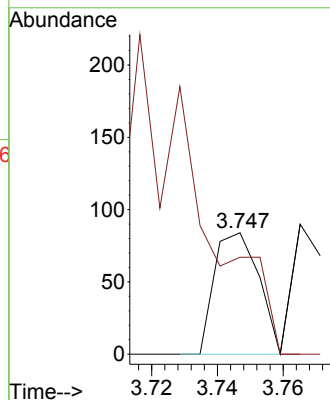
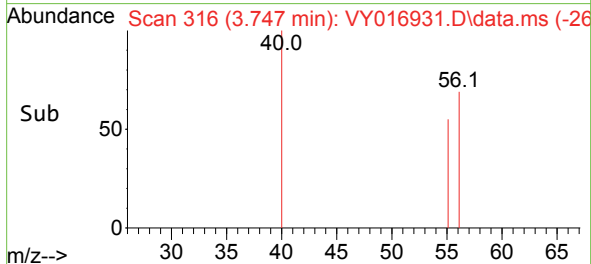


Tgt Ion: 56 Resp: 79

Ion Ratio Lower Upper

56 100

55 0.0 55.4 83.0#



#14

Allyl chloride

Concen: 1.496 ug/l

RT: 4.442 min Scan# 430

Delta R.T. -0.055 min

Lab File: VY016931.D

Acq: 08 Jan 2024 12:55

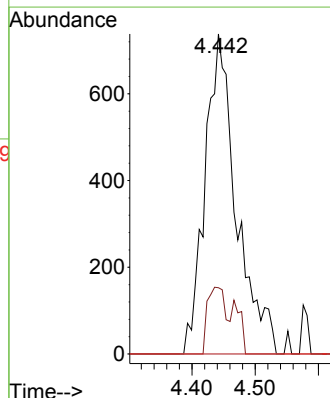
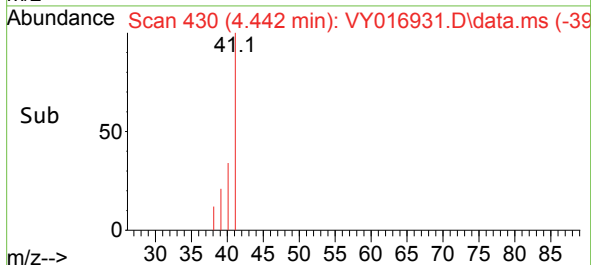
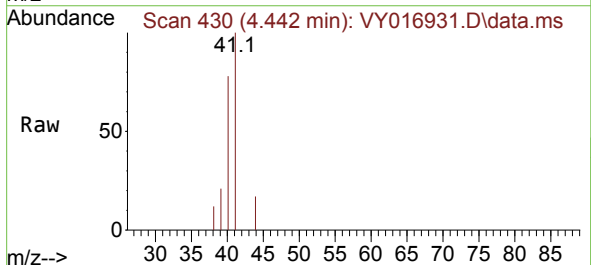
Tgt Ion: 41 Resp: 2537

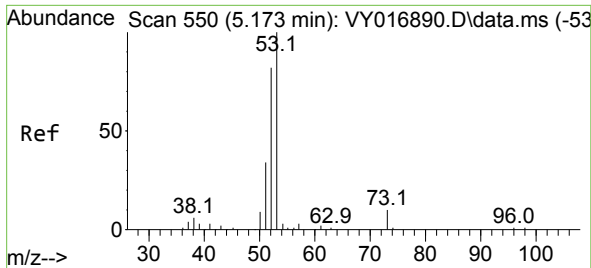
Ion Ratio Lower Upper

41 100

39 12.5 54.7 82.1#

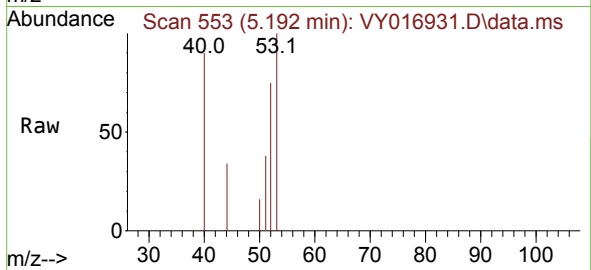
76 0.0 31.8 47.6#



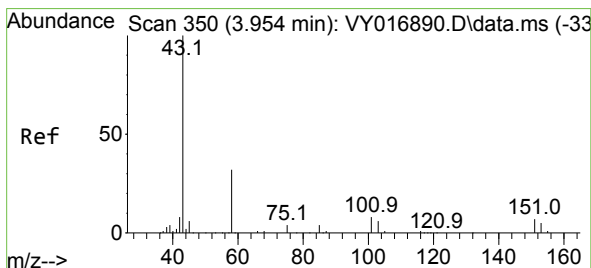
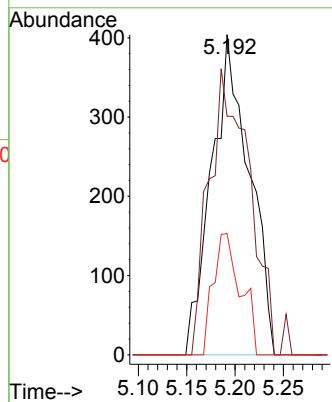
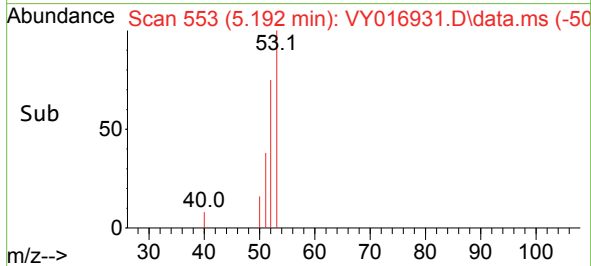


#15
Acrylonitrile
Concen: 3.816 ug/l
RT: 5.192 min Scan# 51
Delta R.T. 0.013 min
Lab File: VY016931.D
Acq: 08 Jan 2024 12:55

Instrument :
MSVOA_Y
ClientSampleId :

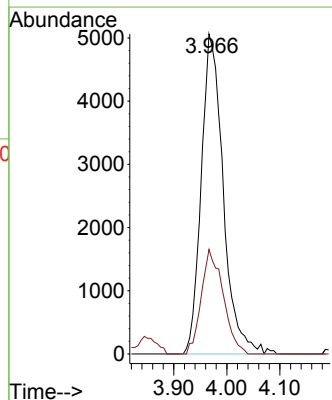
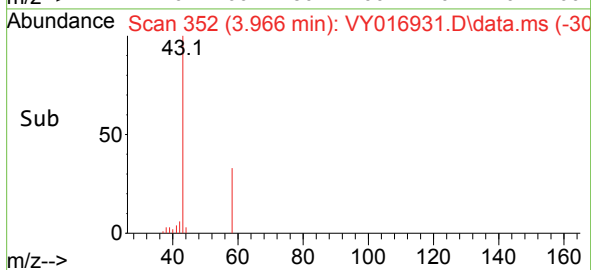
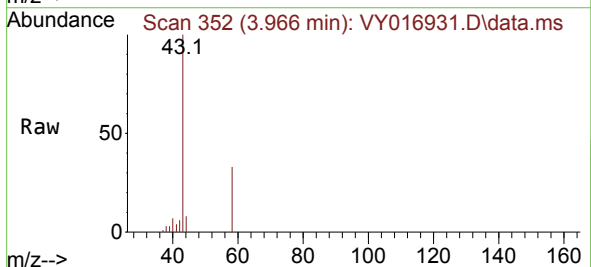


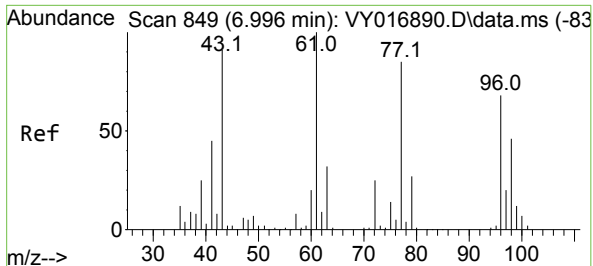
Tgt Ion: 53 Resp: 1097
Ion Ratio Lower Upper
53 100
52 94.6 65.1 97.7
51 27.5 29.0 43.4#



#16
Acetone
Concen: 32.092 ug/l
RT: 3.966 min Scan# 352
Delta R.T. 0.006 min
Lab File: VY016931.D
Acq: 08 Jan 2024 12:55

Tgt Ion: 43 Resp: 14579
Ion Ratio Lower Upper
43 100
58 32.6 26.6 39.8





#25

2-Butanone

Concen: 2.701 ug/l

RT: 7.008 min Scan# 81

Delta R.T. 0.012 min

Lab File: VY016931.D

Acq: 08 Jan 2024 12:55

Instrument :

MSVOA_Y

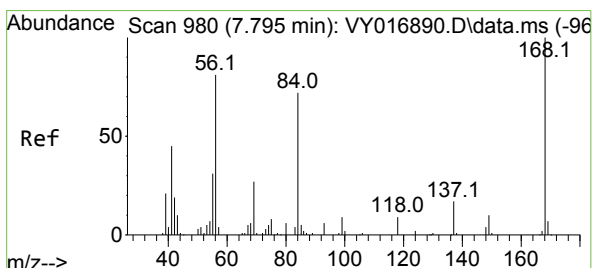
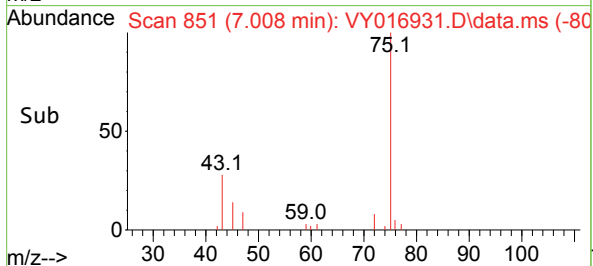
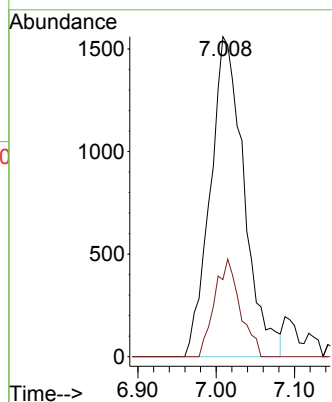
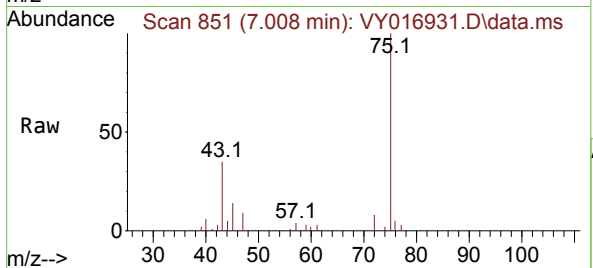
ClientSampleId :

Tgt Ion: 43 Resp: 4671

Ion Ratio Lower Upper

43 100

72 24.1 21.4 32.2



#31

Cyclohexane

Concen: 3.815 ug/l

RT: 7.807 min Scan# 982

Delta R.T. 0.006 min

Lab File: VY016931.D

Acq: 08 Jan 2024 12:55

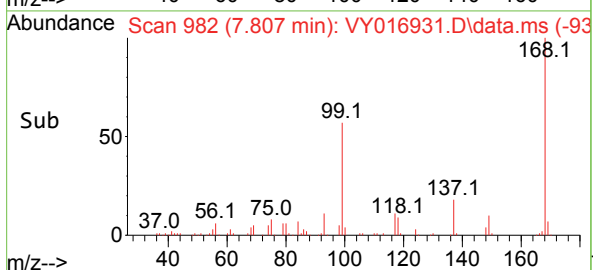
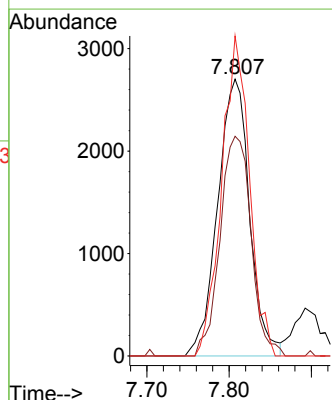
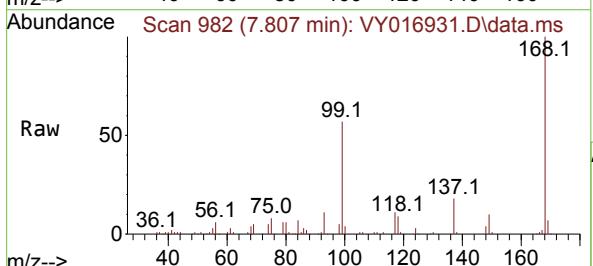
Tgt Ion: 56 Resp: 7289

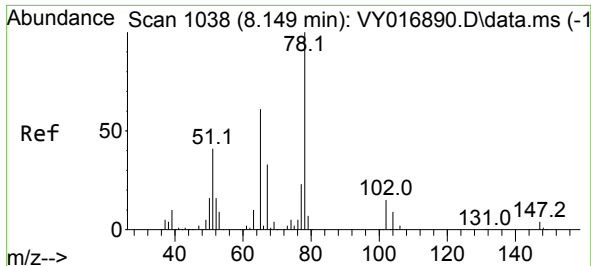
Ion Ratio Lower Upper

56 100

69 79.3 27.0 40.6#

84 115.6 71.8 107.6#





#33

1,2-Dichloroethane-d4

Concen: 46.817 ug/l

RT: 8.161 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VY016931.D

Acq: 08 Jan 2024 12:55

Instrument :

MSVOA_Y

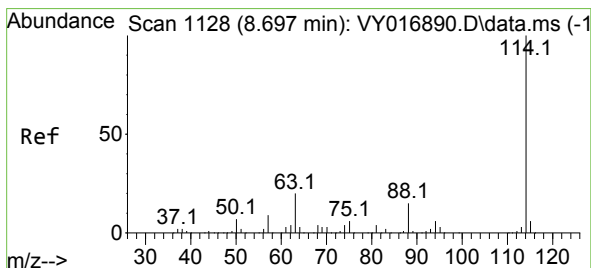
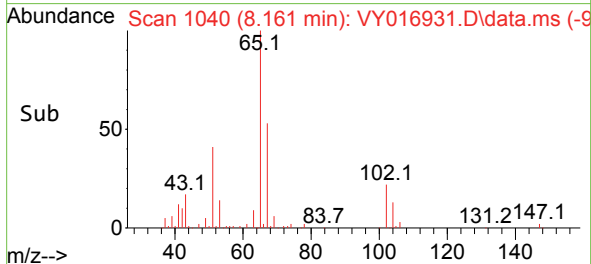
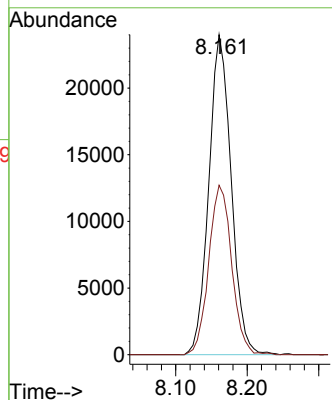
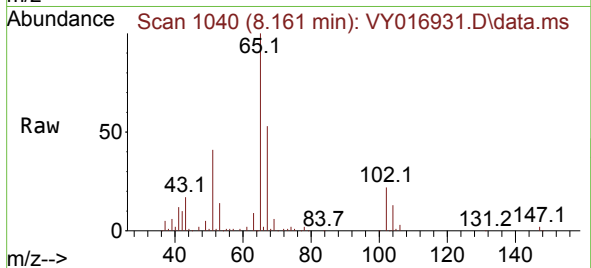
ClientSampleId :

Tgt Ion: 65 Resp: 52122

Ion Ratio Lower Upper

65 100

67 54.4 0.0 109.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.709 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VY016931.D

Acq: 08 Jan 2024 12:55

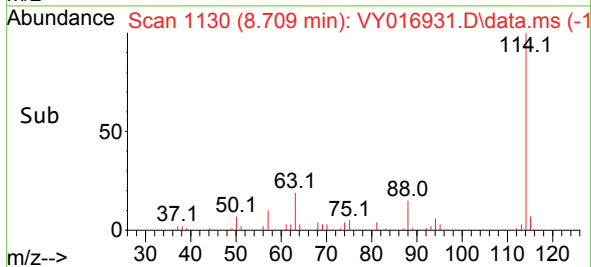
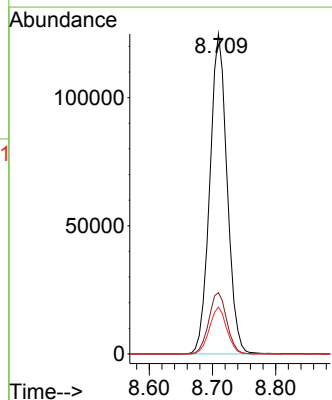
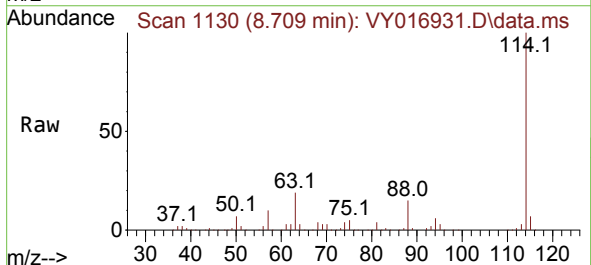
Tgt Ion: 114 Resp: 238012

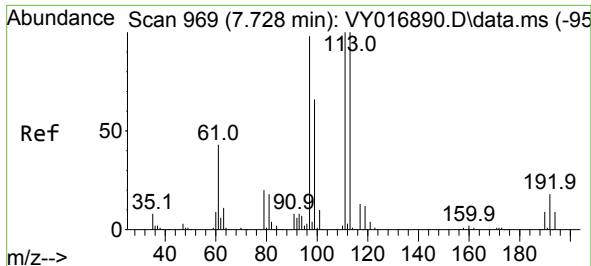
Ion Ratio Lower Upper

114 100

63 19.1 0.0 37.4

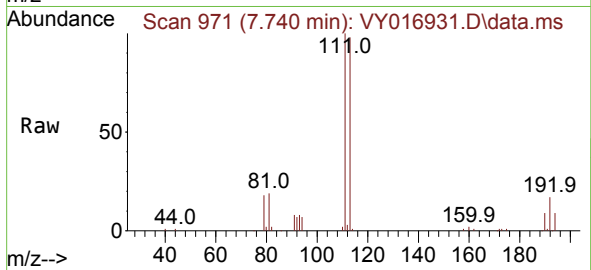
88 14.7 0.0 29.0



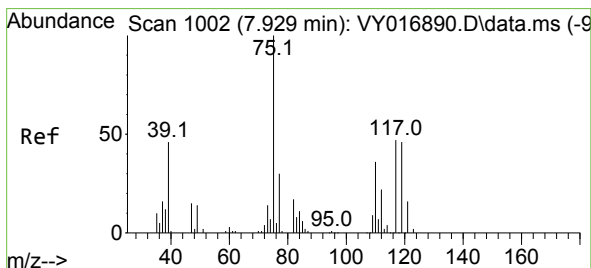
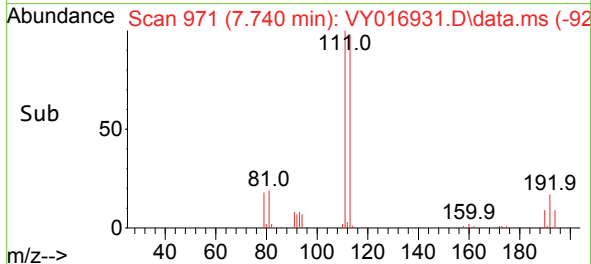
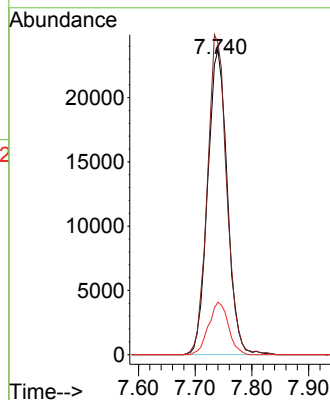


#35
Dibromofluoromethane
Concen: 37.594 ug/l
RT: 7.740 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY016931.D
Acq: 08 Jan 2024 12:55

Instrument :
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ClientSampleId :

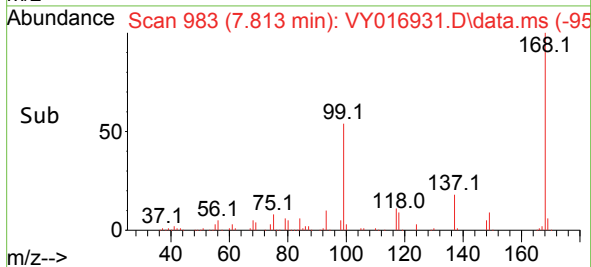
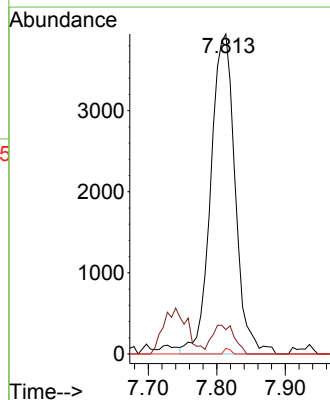
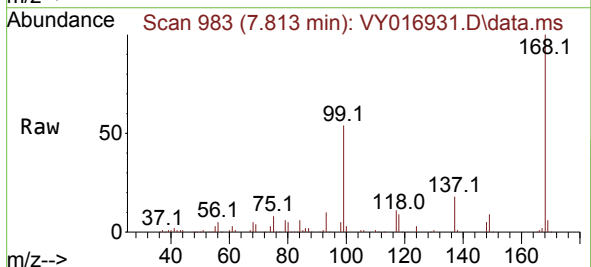


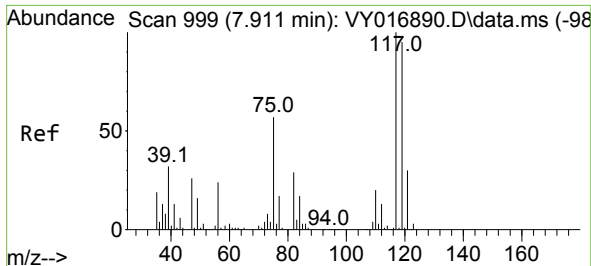
Tgt Ion:113 Resp: 57019
Ion Ratio Lower Upper
113 100
111 103.5 83.8 125.6
192 17.4 14.5 21.7



#36
1,1-Dichloropropene
Concen: 4.400 ug/l
RT: 7.813 min Scan# 983
Delta R.T. -0.116 min
Lab File: VY016931.D
Acq: 08 Jan 2024 12:55

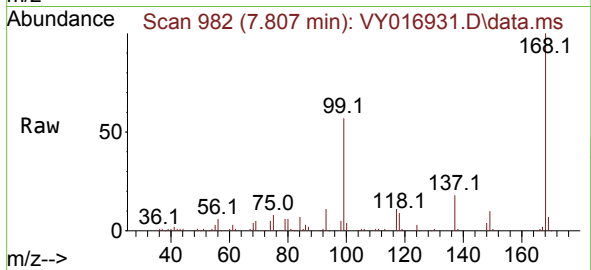
Tgt Ion: 75 Resp: 9725
Ion Ratio Lower Upper
75 100
110 8.2 17.4 52.3#
77 0.5 24.7 37.1#



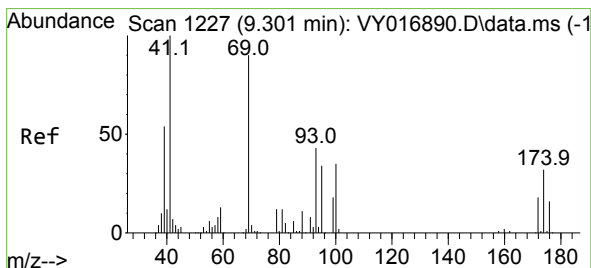
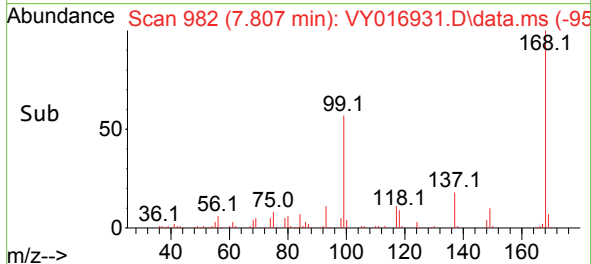
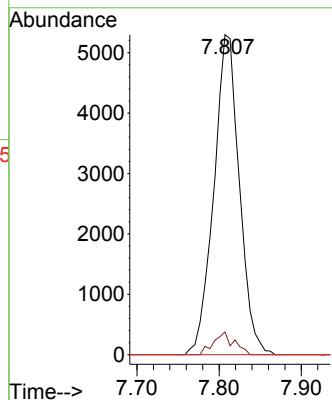


#38
Carbon Tetrachloride
Concen: 5.089 ug/l
RT: 7.807 min Scan# 911
Delta R.T. -0.110 min
Lab File: VY016931.D
Acq: 08 Jan 2024 12:55

Instrument :
MSVOA_Y
ClientSampleId :

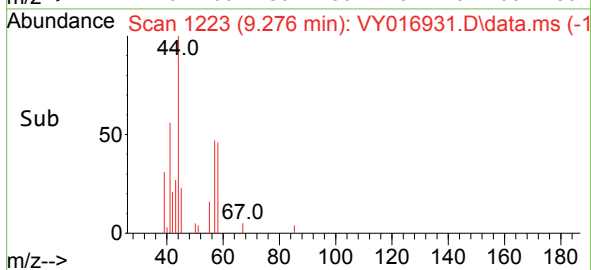
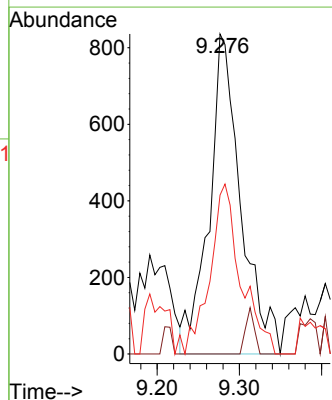
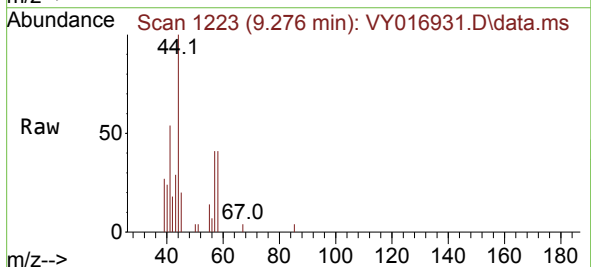


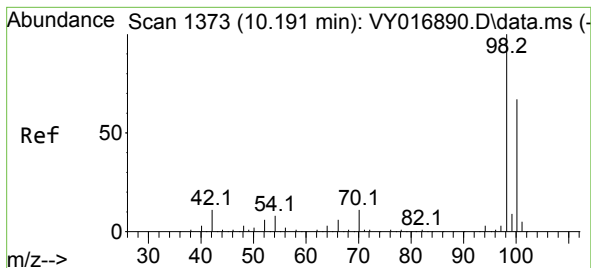
Tgt Ion:117 Resp: 11429
Ion Ratio Lower Upper
117 100
119 7.1 76.0 114.0#
121 0.0 24.2 36.2#



#48
Methyl methacrylate
Concen: 2.159 ug/l
RT: 9.276 min Scan# 1223
Delta R.T. -0.025 min
Lab File: VY016931.D
Acq: 08 Jan 2024 12:55

Tgt Ion: 41 Resp: 2241
Ion Ratio Lower Upper
41 100
69 0.0 72.1 108.1#
39 51.5 42.8 64.2





#50

Toluene-d8

Concen: 36.333 ug/l

RT: 10.197 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY016931.D

Acq: 08 Jan 2024 12:55

Instrument :

MSVOA_Y

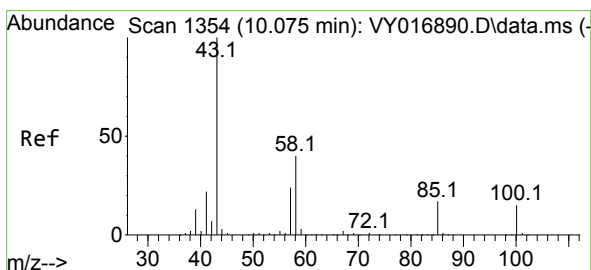
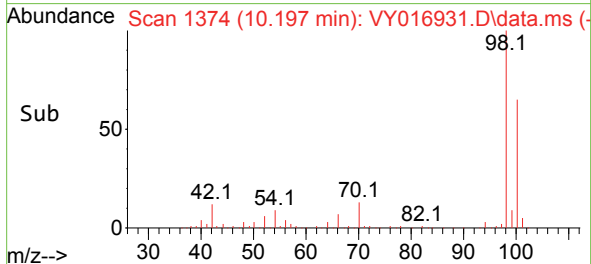
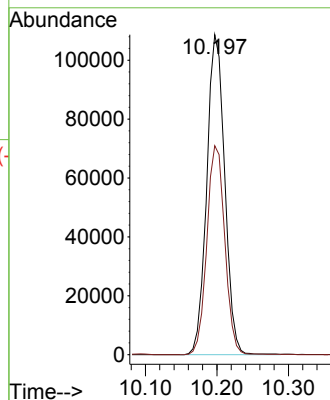
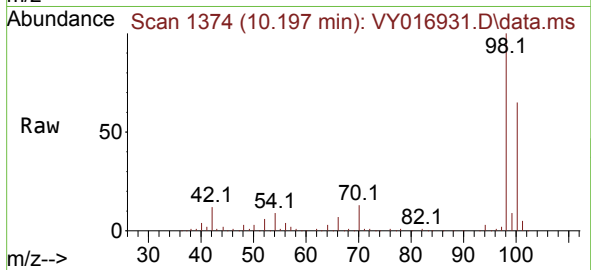
ClientSampleId :

Tgt Ion: 98 Resp: 189760

Ion Ratio Lower Upper

98 100

100 65.3 52.3 78.5



#51

4-Methyl-2-Pentanone

Concen: 2.980 ug/l

RT: 10.093 min Scan# 1357

Delta R.T. 0.012 min

Lab File: VY016931.D

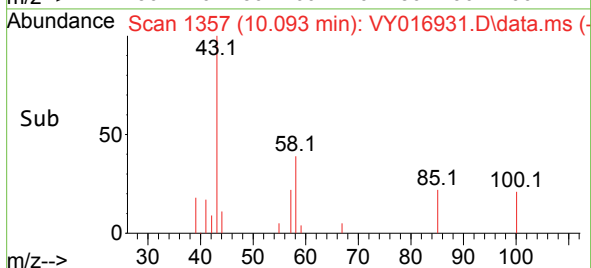
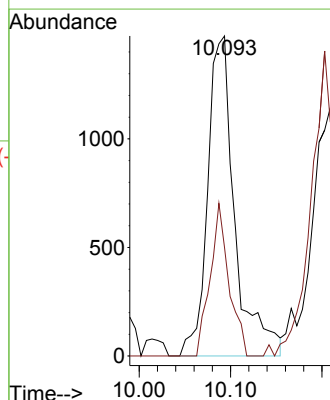
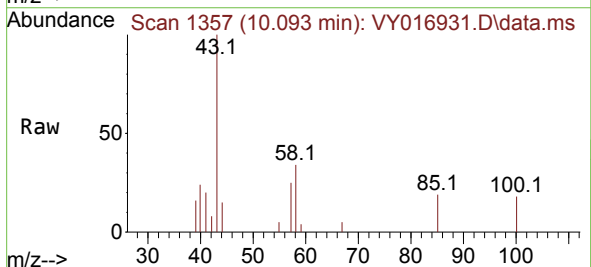
Acq: 08 Jan 2024 12:55

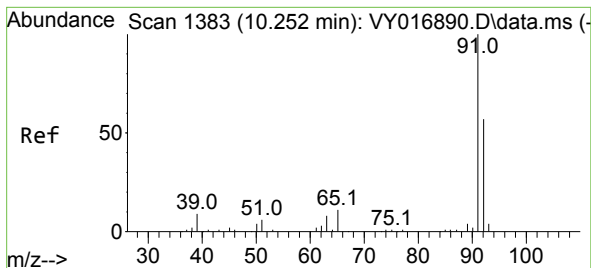
Tgt Ion: 43 Resp: 3049

Ion Ratio Lower Upper

43 100

58 33.0 32.2 48.2





#52

Toluene

Concen: 8.614 ug/l

RT: 10.264 min Scan# 11

Delta R.T. 0.012 min

Lab File: VY016931.D

Acq: 08 Jan 2024 12:55

Instrument :

MSVOA_Y

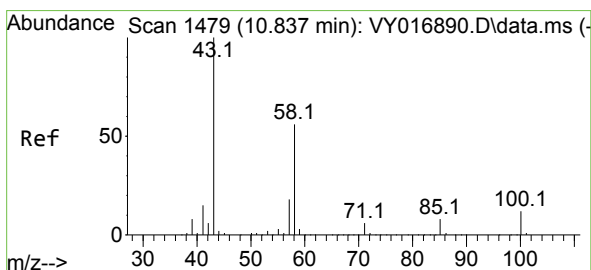
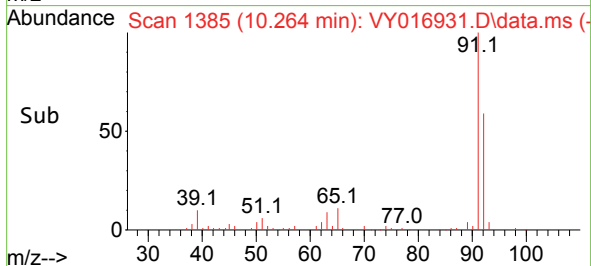
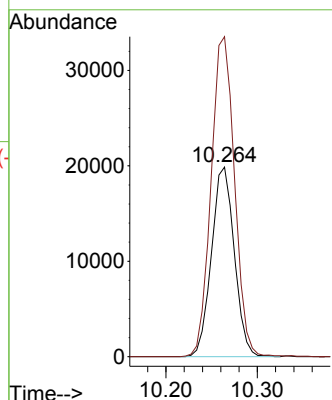
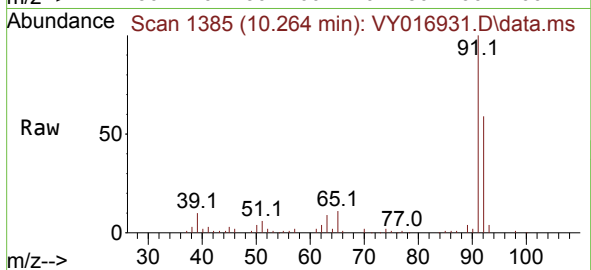
ClientSampleId :

Tgt Ion: 92 Resp: 34471

Ion Ratio Lower Upper

92 100

91 173.6 137.6 206.4



#59

2-Hexanone

Concen: 1.336 ug/l

RT: 10.855 min Scan# 1482

Delta R.T. 0.012 min

Lab File: VY016931.D

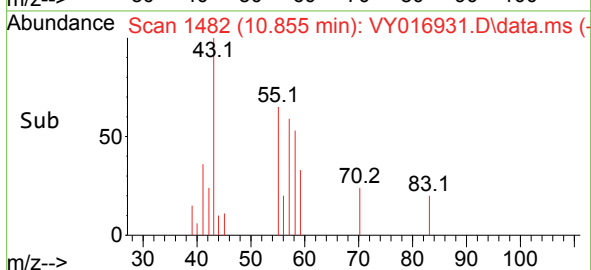
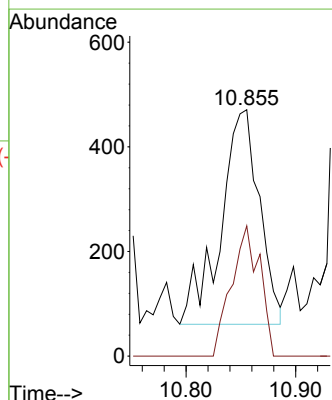
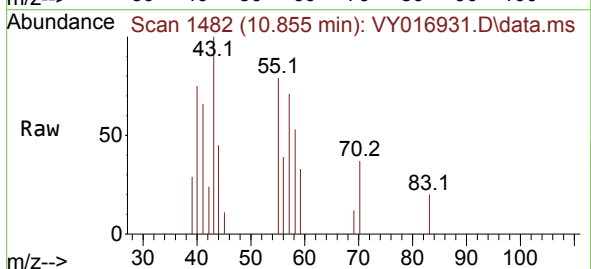
Acq: 08 Jan 2024 12:55

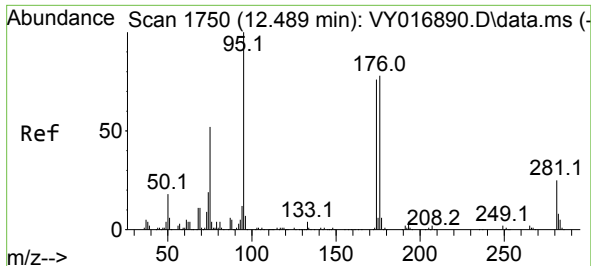
Tgt Ion: 43 Resp: 1006

Ion Ratio Lower Upper

43 100

58 44.2 28.1 84.3

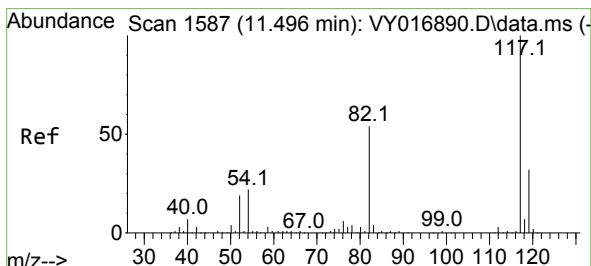
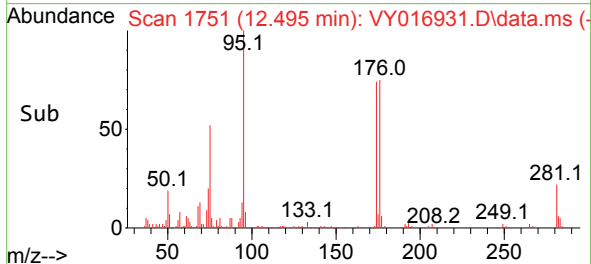
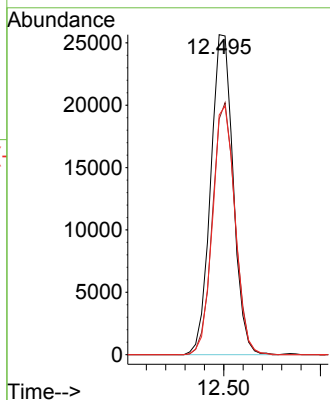
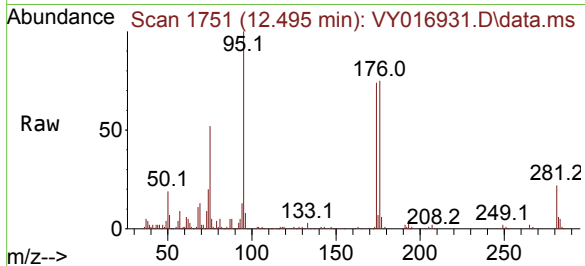




#62
4-Bromofluorobenzene
Concen: 23.508 ug/l
RT: 12.495 min Scan# 1751
Delta R.T. 0.006 min
Lab File: VY016931.D
Acq: 08 Jan 2024 12:55

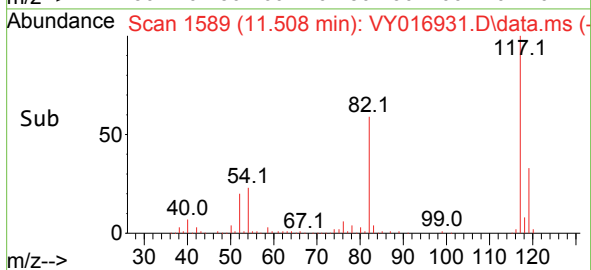
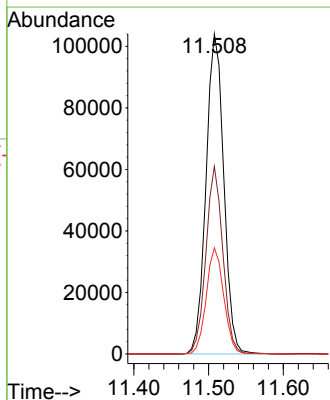
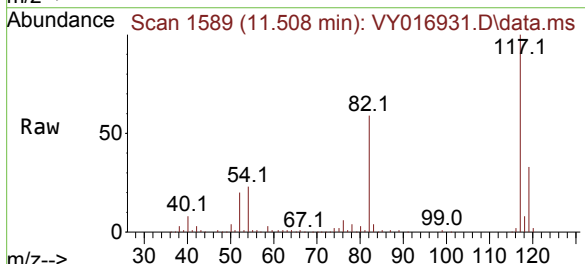
Instrument :
MSVOA_Y
ClientSampleId :

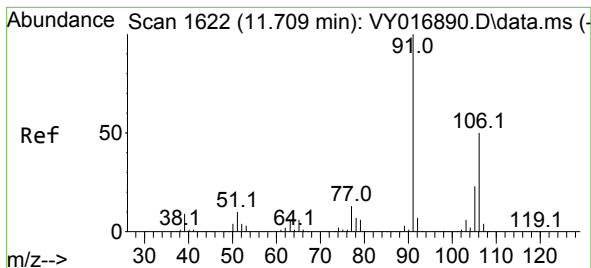
Tgt Ion: 95 Resp: 41423
Ion Ratio Lower Upper
95 100
174 78.6 0.0 160.0
176 78.0 0.0 151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.508 min Scan# 1589
Delta R.T. 0.006 min
Lab File: VY016931.D
Acq: 08 Jan 2024 12:55

Tgt Ion: 117 Resp: 171467
Ion Ratio Lower Upper
117 100
82 58.6 43.8 65.8
119 33.1 26.5 39.7

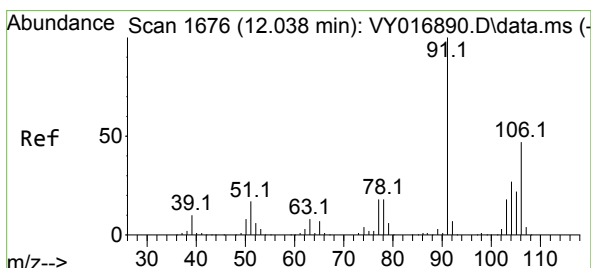
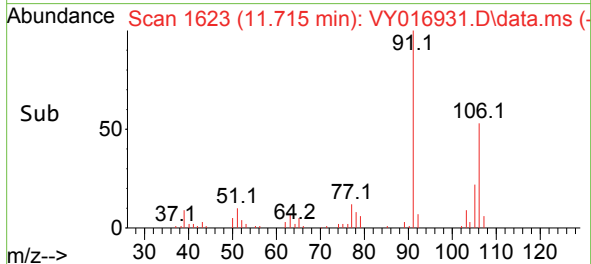
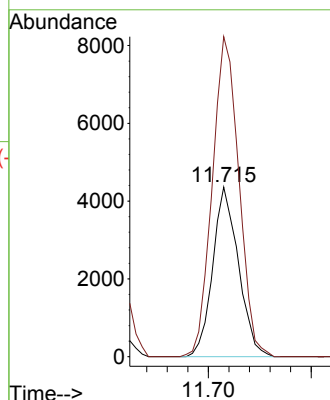
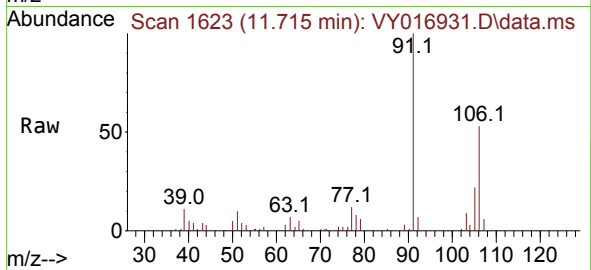




#68
m/p-Xylenes
Concen: 3.207 ug/l
RT: 11.715 min Scan# 1623
Delta R.T. 0.006 min
Lab File: VY016931.D
Acq: 08 Jan 2024 12:55

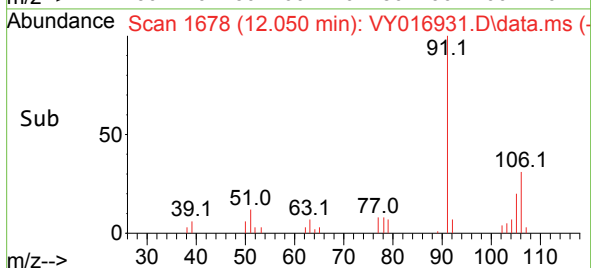
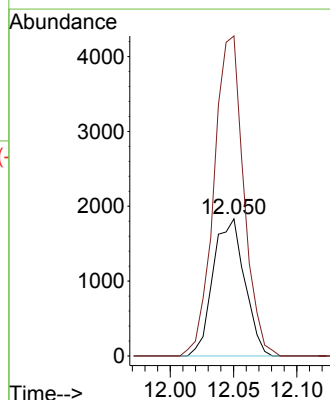
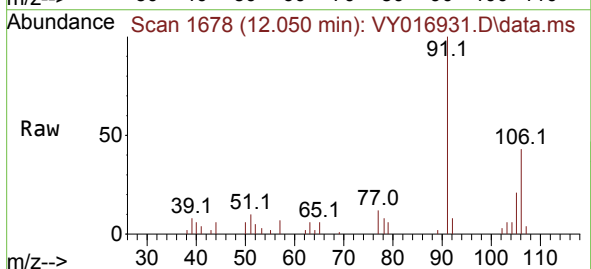
Instrument :
MSVOA_Y
ClientSampleId :

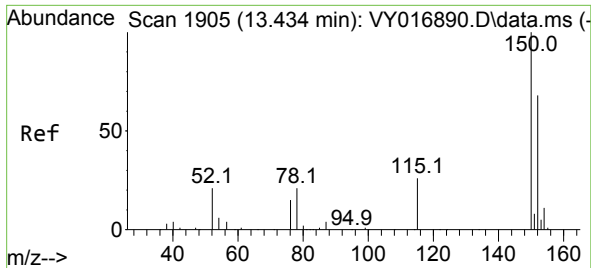
Tgt Ion:106 Resp: 7569
Ion Ratio Lower Upper
106 100
91 195.6 160.7 241.1



#69
o-Xylene
Concen: 1.434 ug/l
RT: 12.050 min Scan# 1678
Delta R.T. 0.012 min
Lab File: VY016931.D
Acq: 08 Jan 2024 12:55

Tgt Ion:106 Resp: 3173
Ion Ratio Lower Upper
106 100
91 220.5 106.5 319.5

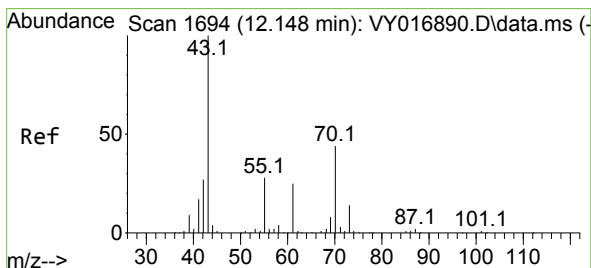
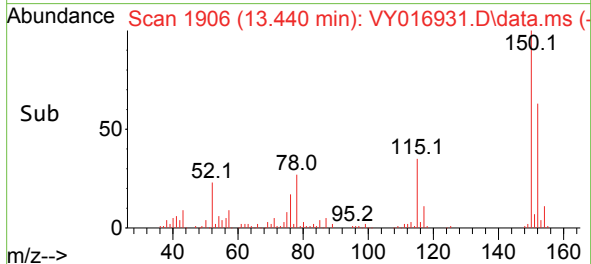
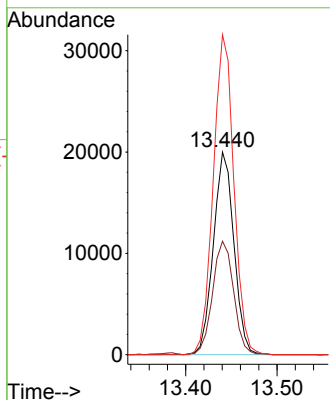
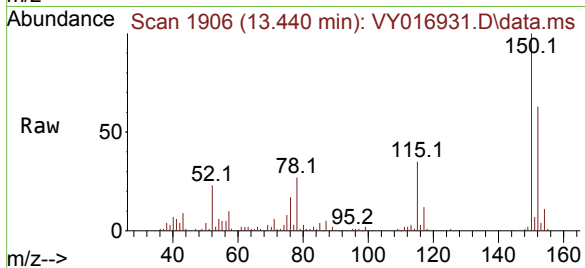




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.440 min Scan# 1905
Delta R.T. 0.006 min
Lab File: VY016931.D
Acq: 08 Jan 2024 12:55

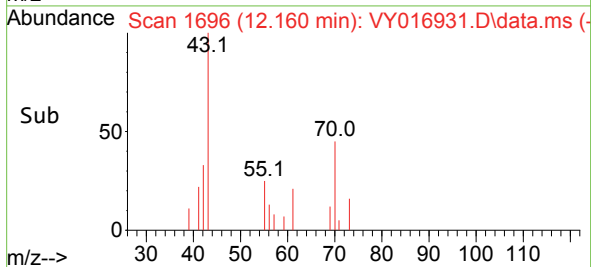
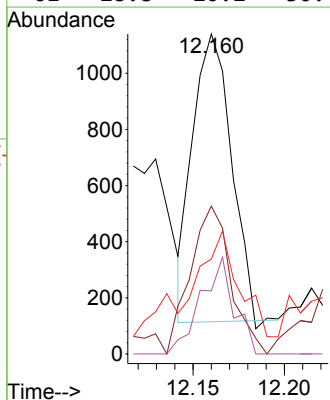
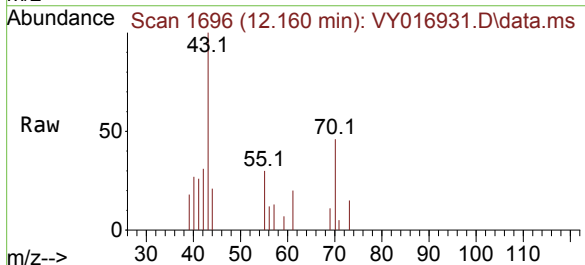
Instrument :
MSVOA_Y
ClientSampleId :

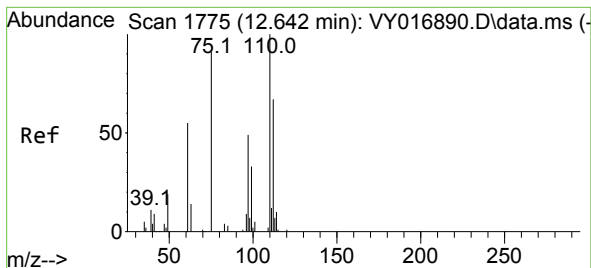
Tgt Ion:152 Resp: 31249
Ion Ratio Lower Upper
152 100
115 57.5 30.0 90.0
150 158.4 0.0 344.6



#74
N-ethyl acetate
Concen: 2.941 ug/l
RT: 12.160 min Scan# 1696
Delta R.T. 0.006 min
Lab File: VY016931.D
Acq: 08 Jan 2024 12:55

Tgt Ion: 43 Resp: 1508
Ion Ratio Lower Upper
43 100
70 58.4 36.6 55.0#
55 46.2 22.2 33.4#
61 28.8 20.2 30.4





#76

1,2,3-Trichloropropane

Concen: 65.634 ug/l

RT: 12.501 min Scan# 1752

Delta R.T. -0.141 min

Lab File: VY016931.D

Acq: 08 Jan 2024 12:55

Instrument :

MSVOA_Y

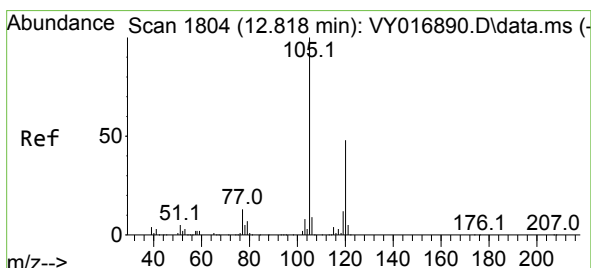
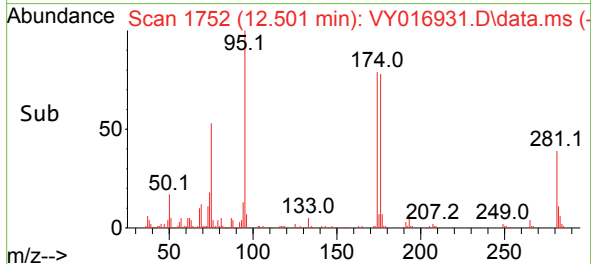
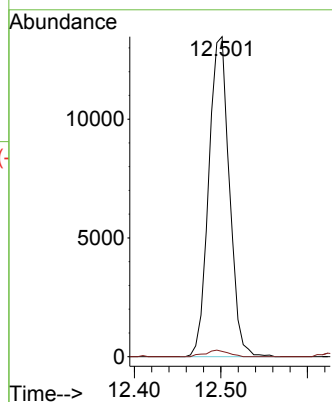
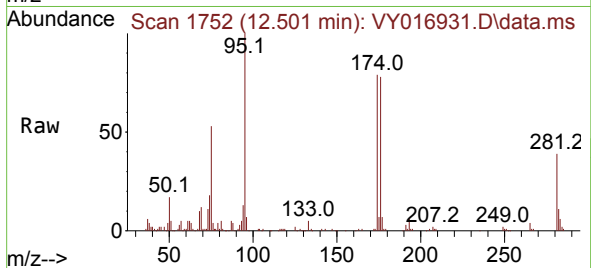
ClientSampleId :

Tgt Ion: 75 Resp: 22257

Ion Ratio Lower Upper

75 100

77 2.2 0.0 0.0#



#80

1,3,5-Trimethylbenzene

Concen: 1.021 ug/l

RT: 12.825 min Scan# 1805

Delta R.T. 0.007 min

Lab File: VY016931.D

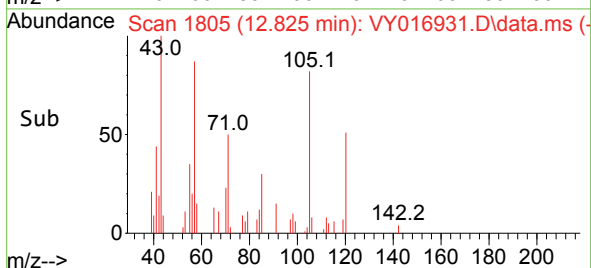
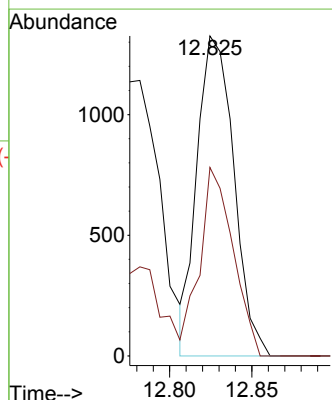
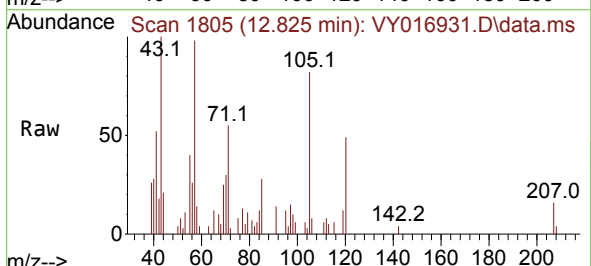
Acq: 08 Jan 2024 12:55

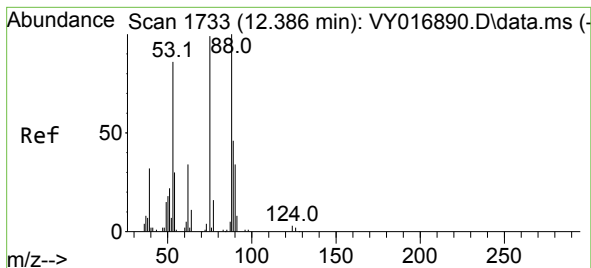
Tgt Ion: 105 Resp: 2060

Ion Ratio Lower Upper

105 100

120 53.3 24.3 72.8

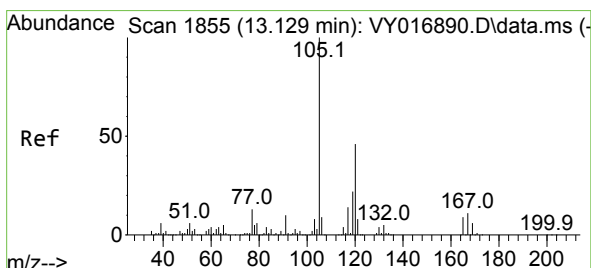
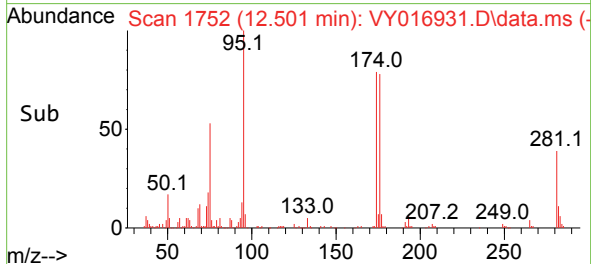
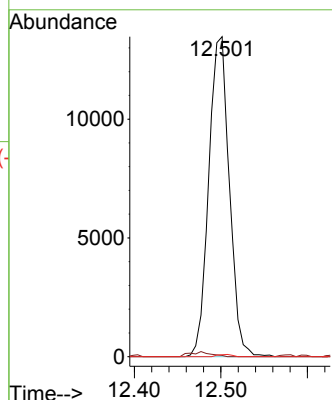
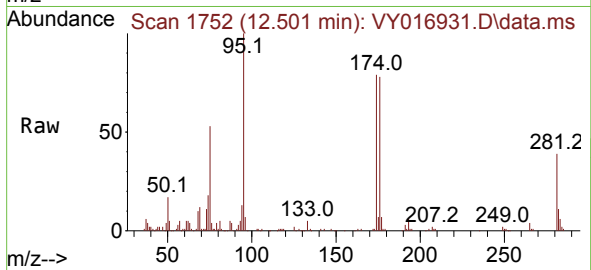




#81
trans-1,4-Dichloro-2-butene
Concen: 149.038 ug/l
RT: 12.501 min Scan# 1752
Delta R.T. 0.116 min
Lab File: VY016931.D
Acq: 08 Jan 2024 12:55

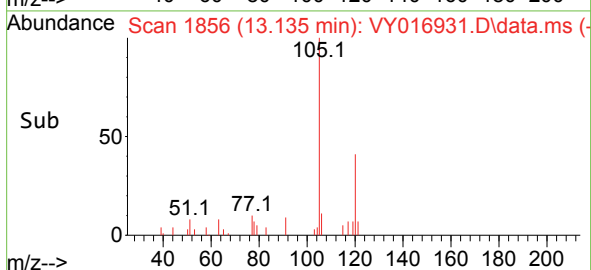
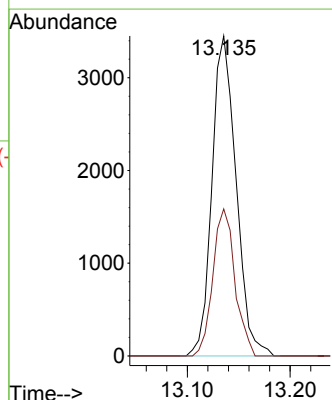
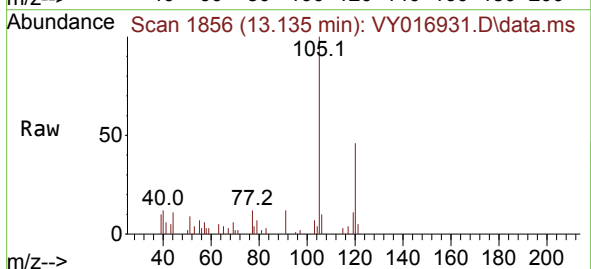
Instrument :
MSVOA_Y
ClientSampleId :

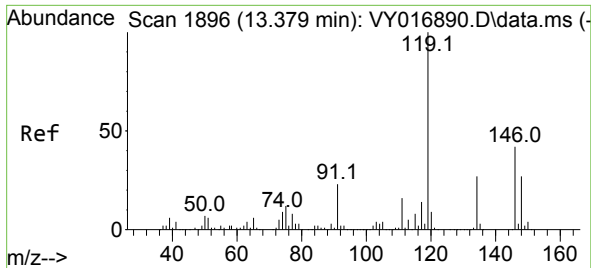
Tgt Ion: 75 Resp: 22257
Ion Ratio Lower Upper
75 100
53 0.0 74.0 111.0#
89 0.5 36.5 54.7#



#84
1,2,4-Trimethylbenzene
Concen: 2.824 ug/l
RT: 13.135 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VY016931.D
Acq: 08 Jan 2024 12:55

Tgt Ion: 105 Resp: 5612
Ion Ratio Lower Upper
105 100
120 42.1 22.1 66.3

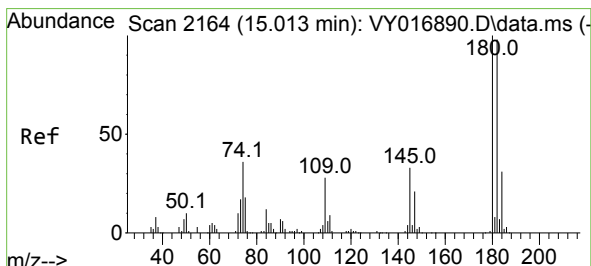
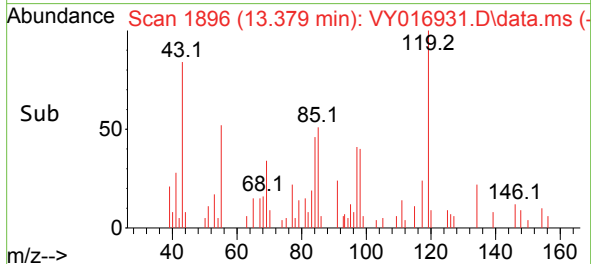
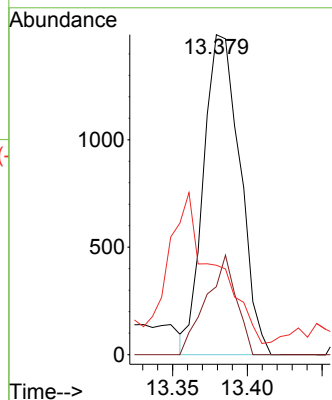
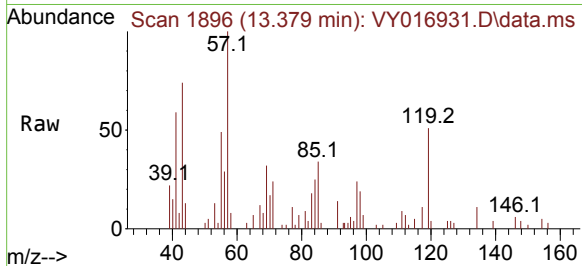




#86
p-Isopropyltoluene
Concen: 1.157 ug/l
RT: 13.379 min Scan# 119
Delta R.T. 0.000 min
Lab File: VY016931.D
Acq: 08 Jan 2024 12:55

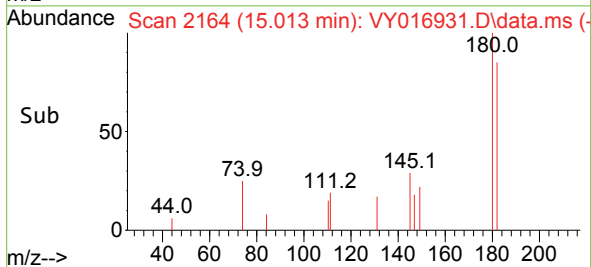
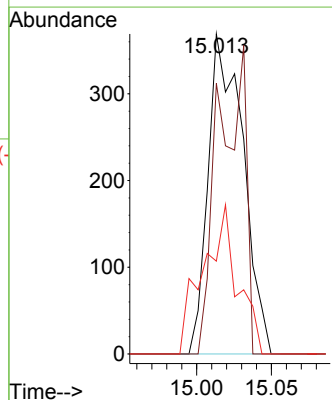
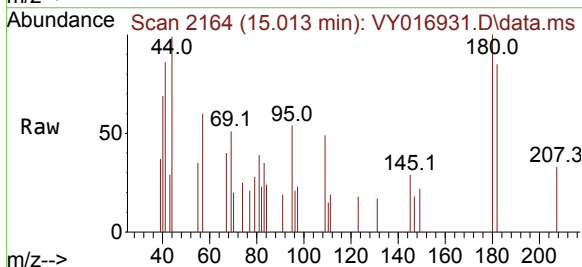
Instrument :
MSVOA_Y
ClientSampleId :

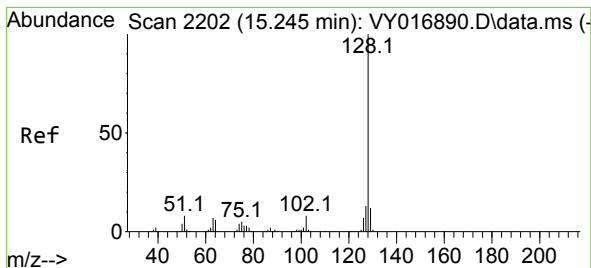
Tgt Ion:119 Resp: 2516
Ion Ratio Lower Upper
119 100
134 25.8 13.1 39.1
91 0.0 11.7 35.0#



#93
1,2,4-Trichlorobenzene
Concen: 1.265 ug/l
RT: 15.013 min Scan# 2164
Delta R.T. -0.006 min
Lab File: VY016931.D
Acq: 08 Jan 2024 12:55

Tgt Ion:180 Resp: 598
Ion Ratio Lower Upper
180 100
182 75.3 47.9 143.7
145 46.0 15.9 47.7





#95

Naphthalene

Concen: 4.590 ug/l

RT: 15.251 min Scan# 2202

Delta R.T. 0.006 min

Lab File: VY016931.D

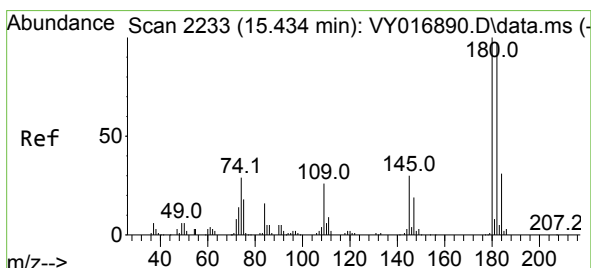
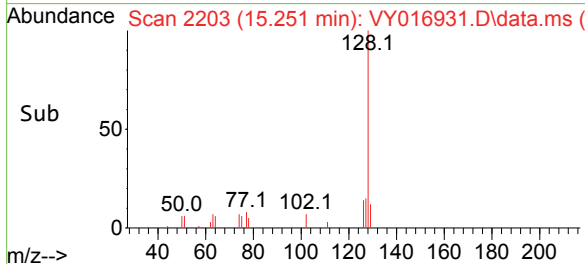
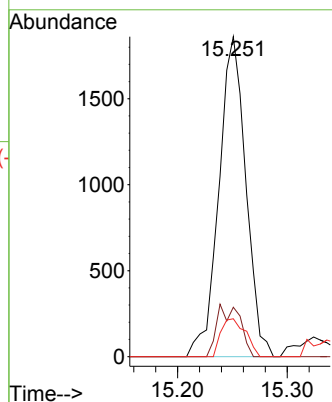
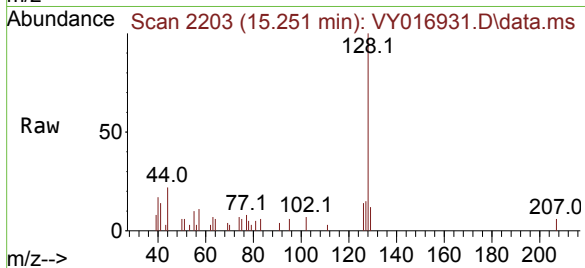
Acq: 08 Jan 2024 12:55

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:	128	Resp:	3179
Ion	Ratio	Lower	Upper
128	100		
127	13.9	10.2	15.4
129	10.8	8.6	12.8



#96

1,2,3-Trichlorobenzene

Concen: 1.497 ug/l

RT: 15.446 min Scan# 2235

Delta R.T. 0.012 min

Lab File: VY016931.D

Acq: 08 Jan 2024 12:55

Tgt Ion:	180	Resp:	601
Ion	Ratio	Lower	Upper
180	100		
182	100.8	46.3	138.8
145	40.3	16.1	48.2

