

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110323\
 Data File : VY016213.D
 Acq On : 03 Nov 2023 14:23
 Operator : SY/MD
 Sample : 05228-01
 Misc : 2.64g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 03 23:02:48 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 01 03:33:29 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	114440	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	198930	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	183505	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	49385	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	64841	60.551	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 121.100%	
35) Dibromofluoromethane	7.728	113	55998	47.217	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 94.440%	
50) Toluene-d8	10.191	98	234170	49.801	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.600%	
62) 4-Bromofluorobenzene	12.489	95	69881	43.462	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 86.920%	

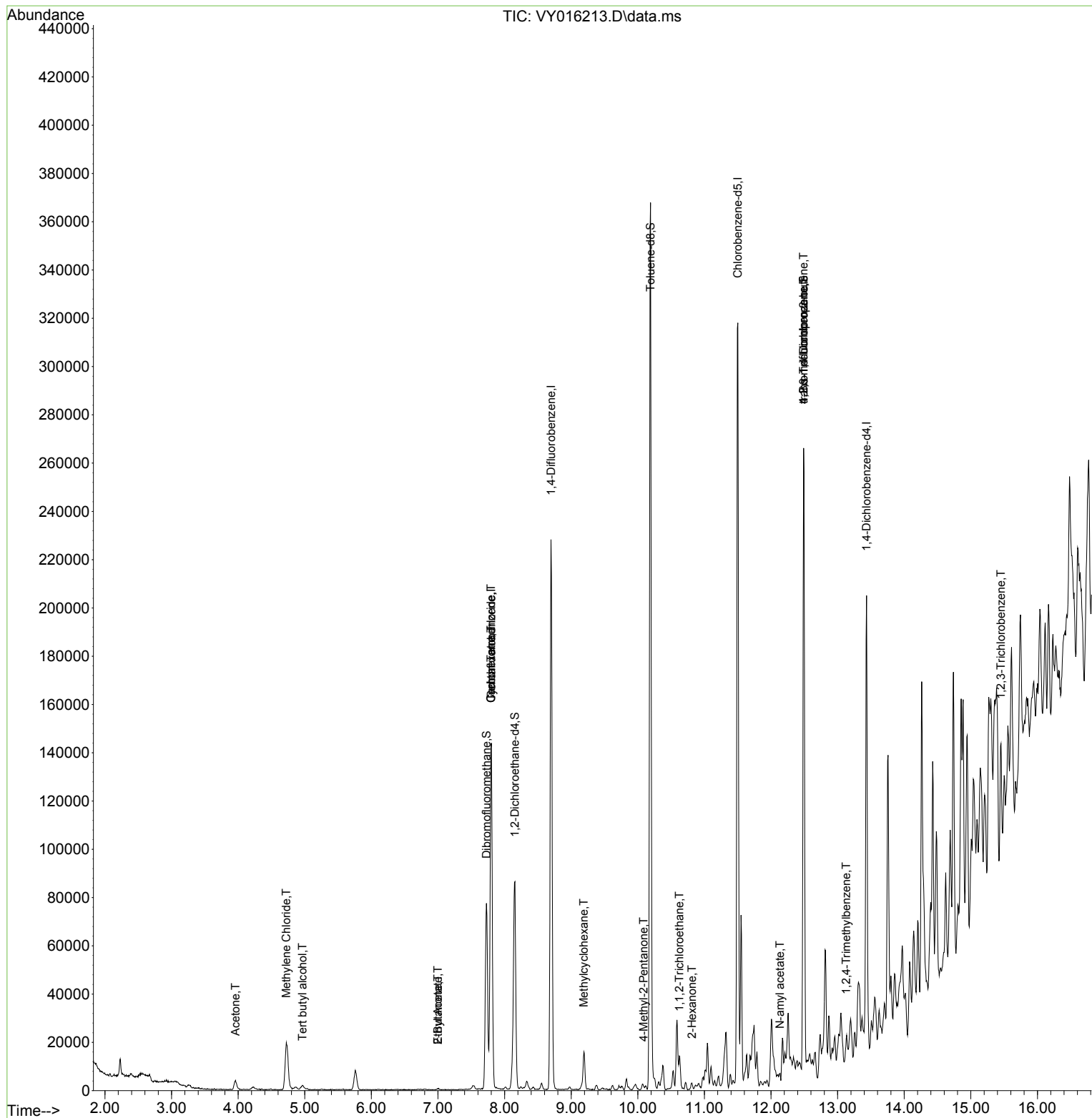
Target Compounds			Qvalue			
11) Tert butyl alcohol	4.966	59	3691	46.132	ug/l #	88
13) Acrolein	3.729	56	75	Below Cal	#	46
16) Acetone	3.960	43	6708	21.827	ug/l #	76
20) Methylene Chloride	4.722	84	15764	12.169	ug/l	86
25) 2-Butanone	6.996	43	867	2.935	ug/l	97
31) Cyclohexane	7.795	56	3025	1.838	ug/l #	1
37) Ethyl Acetate	6.996	43	867	1.137	ug/l #	71
38) Carbon Tetrachloride	7.795	117	11172	6.585	ug/l #	17
39) Methylcyclohexane	9.191	83	6399	3.130	ug/l	98
51) 4-Methyl-2-Pentanone	10.087	43	972	1.291	ug/l	91
55) 1,1,2-Trichloroethane	10.624	97	5768	6.112	ug/l #	17
59) 2-Hexanone	10.813	43	1299	2.518	ug/l #	27
74) N-amyl acetate	12.136	43	1139	1.415	ug/l #	46
76) 1,2,3-Trichloropropane	12.489	75	36731	78.980	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	36731	171.248	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.129	105	4383	1.476	ug/l	84
96) 1,2,3-Trichlorobenzene	15.452	180	4479	5.927	ug/l #	13

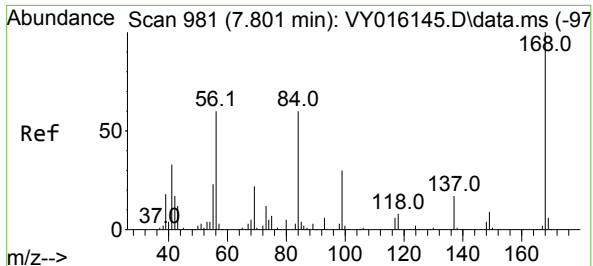
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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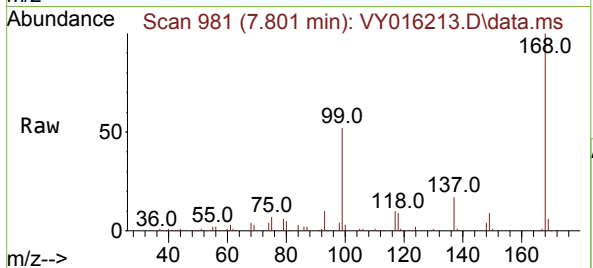
Quant Time: Nov 03 23:02:48 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 01 03:33:29 2023
Response via : Initial Calibration



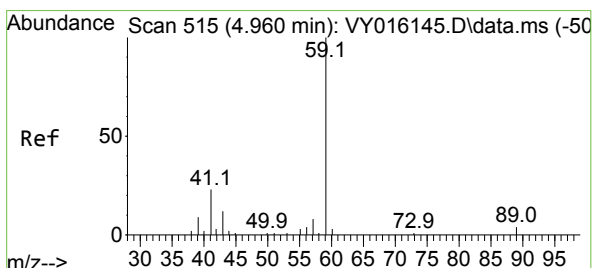
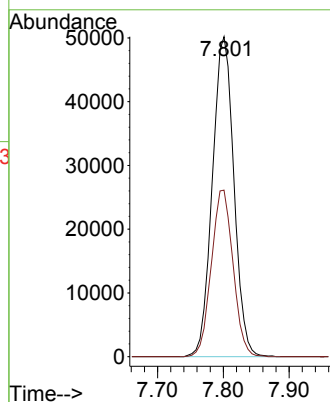
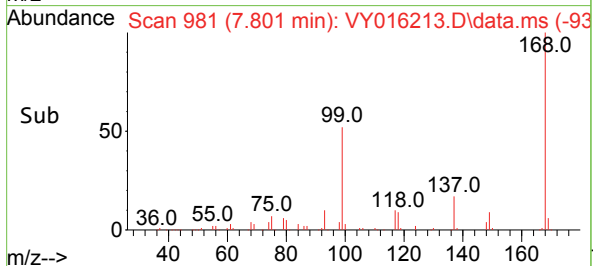


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.000 min
Lab File: VY016213.D
Acq: 03 Nov 2023 14:23

Instrument :
MSVOA_Y
ClientSampleId :

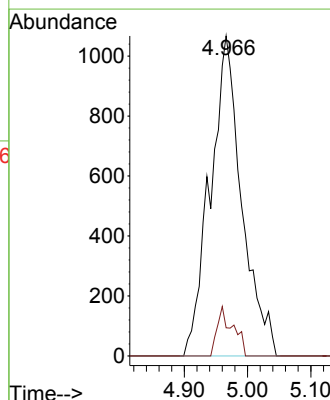
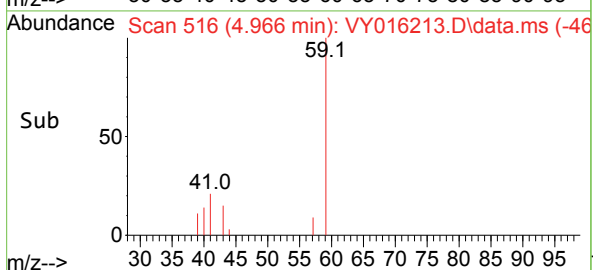
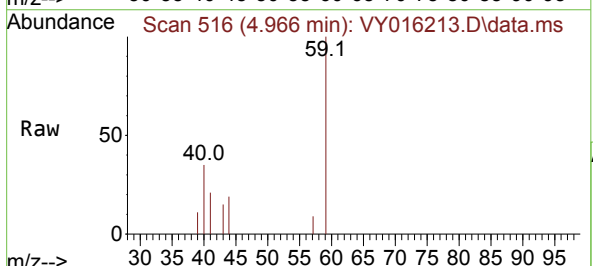


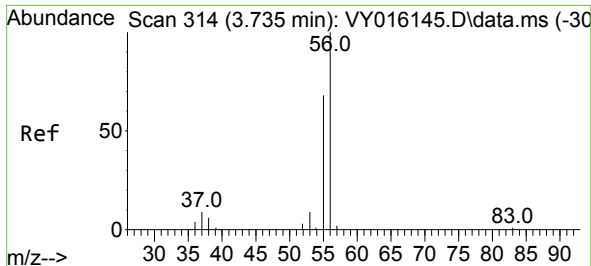
Tgt Ion:168 Resp: 114440
Ion Ratio Lower Upper
168 100
99 52.0 43.4 65.0



#11
Tert butyl alcohol
Concen: 46.132 ug/l
RT: 4.966 min Scan# 516
Delta R.T. 0.006 min
Lab File: VY016213.D
Acq: 03 Nov 2023 14:23

Tgt Ion: 59 Resp: 3691
Ion Ratio Lower Upper
59 100
57 7.7 3.0 4.4#





#13

Acrolein

Concen: Below Cal

RT: 3.729 min Scan# 314

Delta R.T. -0.006 min

Lab File: VY016213.D

Acq: 03 Nov 2023 14:23

Instrument :

MSVOA_Y

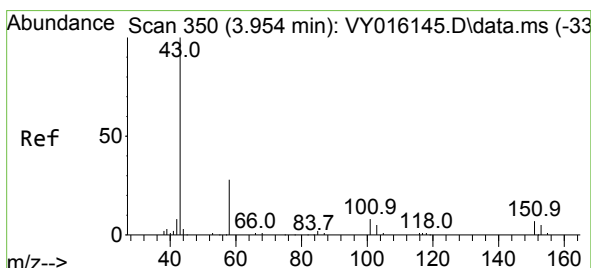
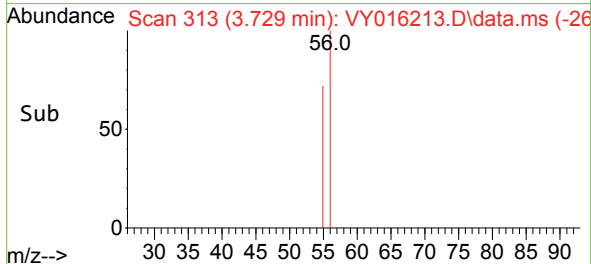
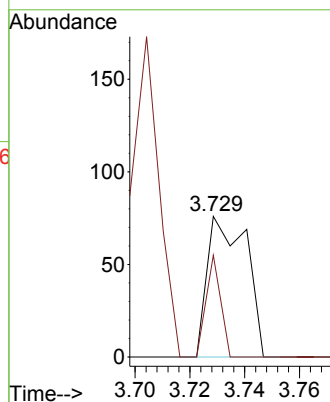
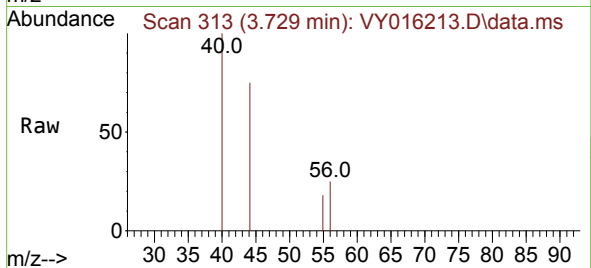
ClientSampleId :

Tgt Ion: 56 Resp: 75

Ion Ratio Lower Upper

56 100

55 26.7 57.0 85.4#



#16

Acetone

Concen: 21.827 ug/l

RT: 3.960 min Scan# 351

Delta R.T. 0.006 min

Lab File: VY016213.D

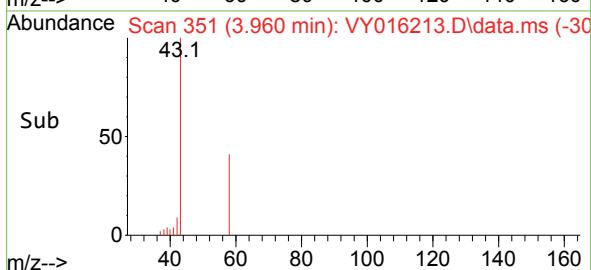
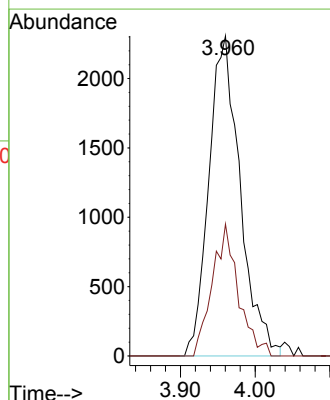
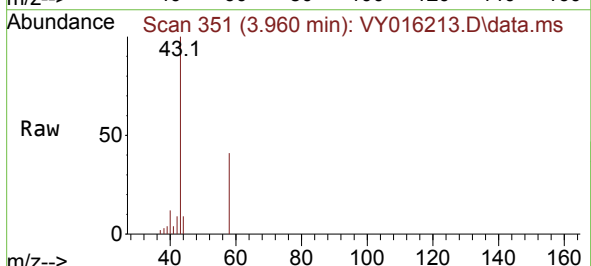
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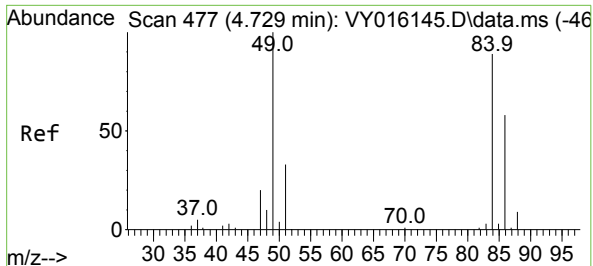
Tgt Ion: 43 Resp: 6708

Ion Ratio Lower Upper

43 100

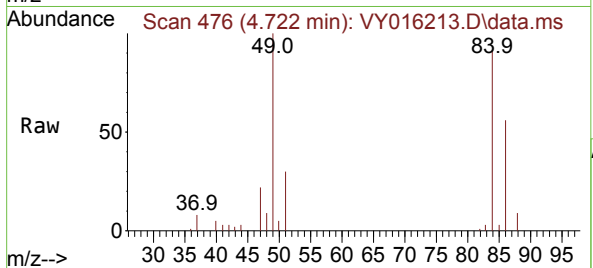
58 41.2 22.7 34.1#



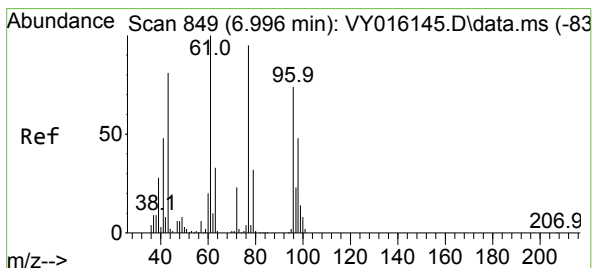
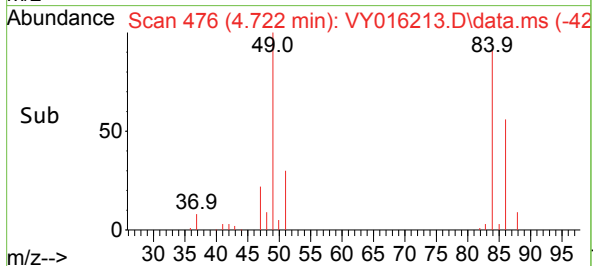
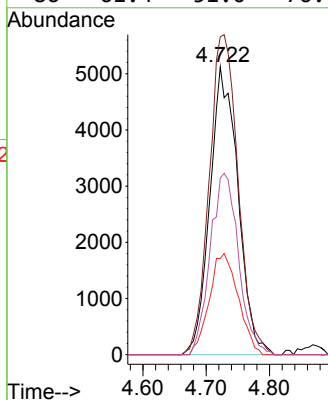


#20
Methylene Chloride
Concen: 12.169 ug/l
RT: 4.722 min Scan# 41
Delta R.T. -0.007 min
Lab File: VY016213.D
Acq: 03 Nov 2023 14:23

Instrument :
MSVOA_Y
ClientSampleId :

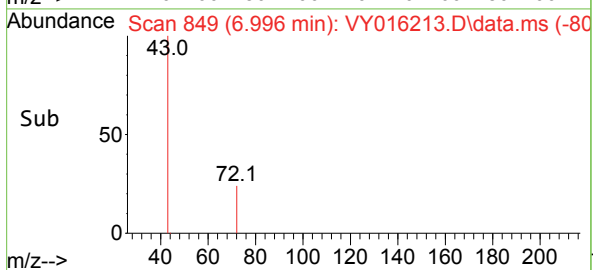
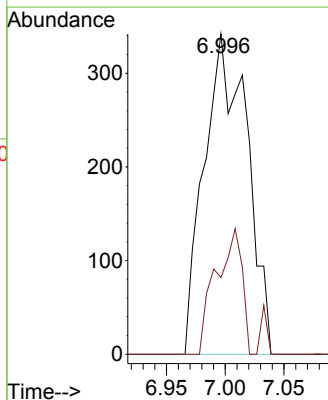
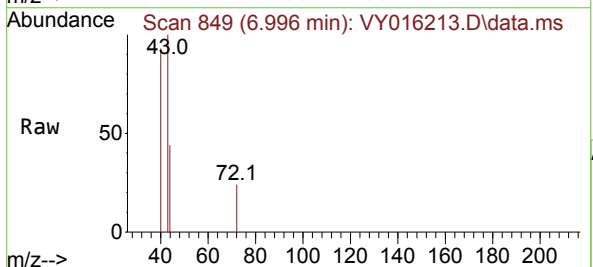


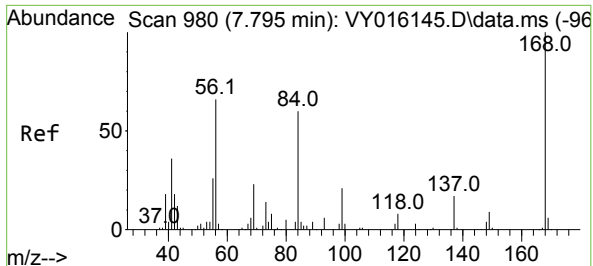
Tgt Ion:	84	Resp:	15764
Ion	Ratio	Lower	Upper
84	100		
49	110.4	106.9	160.3
51	33.4	33.2	49.8
86	61.4	51.0	76.6



#25
2-Butanone
Concen: 2.935 ug/l
RT: 6.996 min Scan# 849
Delta R.T. -0.000 min
Lab File: VY016213.D
Acq: 03 Nov 2023 14:23

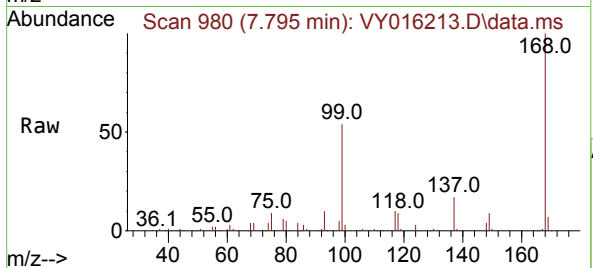
Tgt Ion:	43	Resp:	867
Ion	Ratio	Lower	Upper
43	100		
72	24.0	20.5	30.7



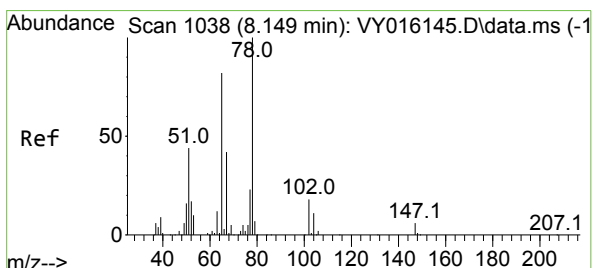
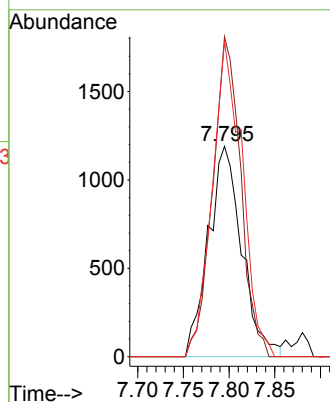
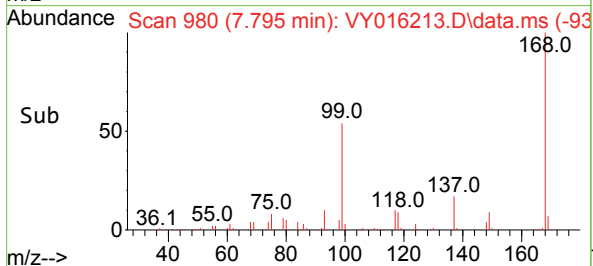


#31
Cyclohexane
Concen: 1.838 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY016213.D
Acq: 03 Nov 2023 14:23

Instrument :
MSVOA_Y
ClientSampleId :

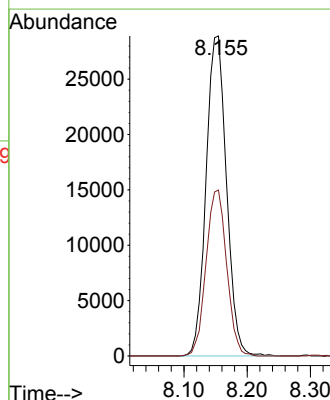
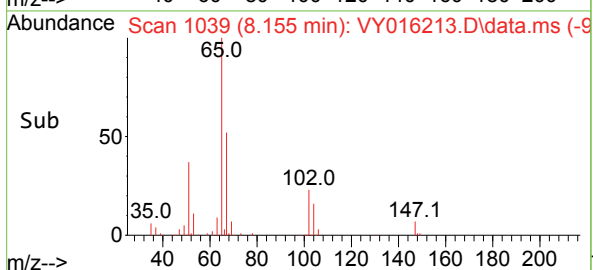
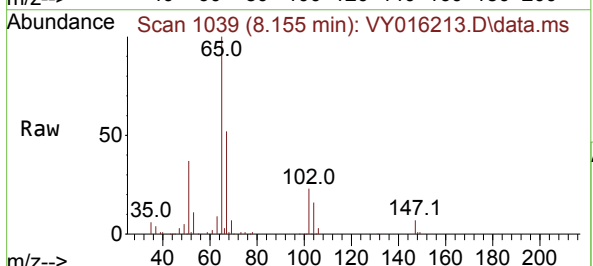


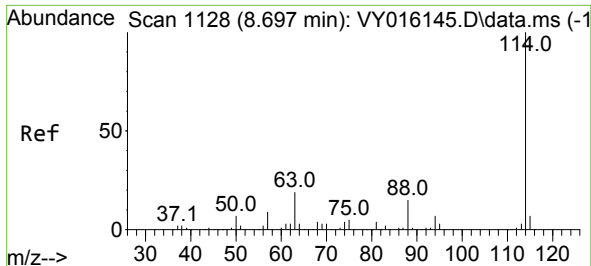
Tgt Ion: 56 Resp: 3025
Ion Ratio Lower Upper
56 100
69 152.1 27.8 41.6#
84 149.9 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 60.551 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. 0.006 min
Lab File: VY016213.D
Acq: 03 Nov 2023 14:23

Tgt Ion: 65 Resp: 64841
Ion Ratio Lower Upper
65 100
67 52.4 0.0 101.8

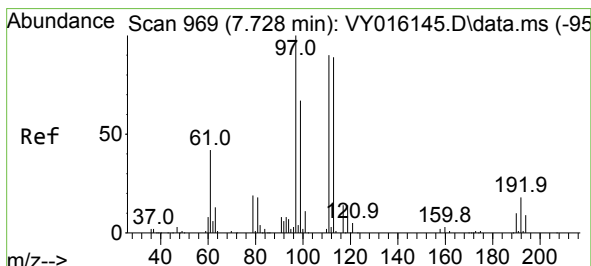
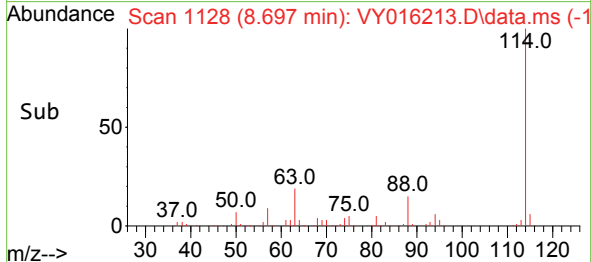
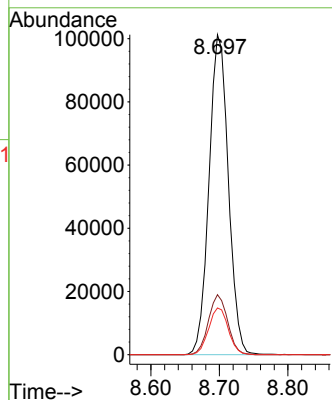
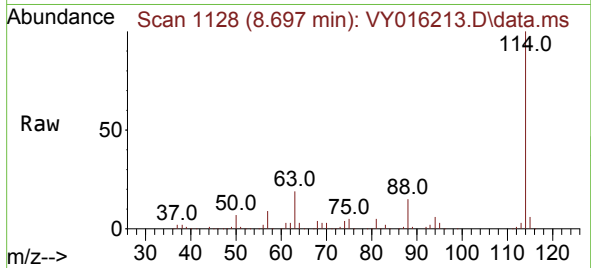




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VY016213.D
Acq: 03 Nov 2023 14:23

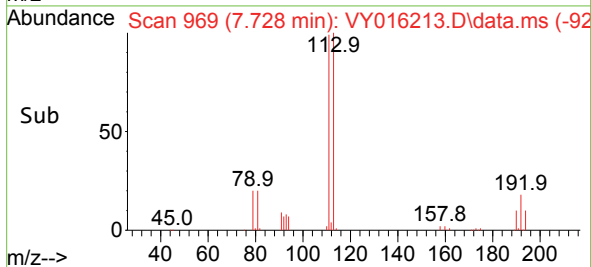
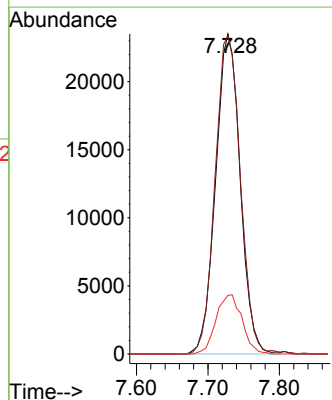
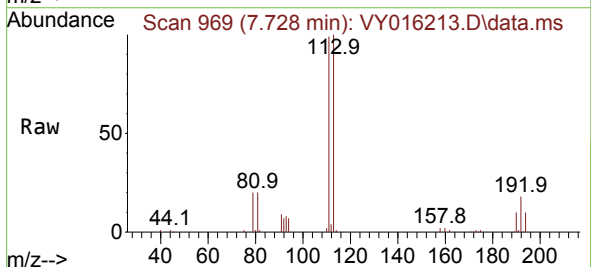
Instrument :
MSVOA_Y
ClientSampleId :

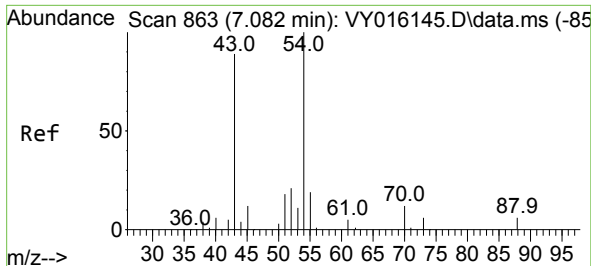
Tgt Ion:114 Resp: 198930
Ion Ratio Lower Upper
114 100
63 18.8 0.0 42.4
88 14.6 0.0 30.6



#35
Dibromofluoromethane
Concen: 47.217 ug/l
RT: 7.728 min Scan# 969
Delta R.T. -0.000 min
Lab File: VY016213.D
Acq: 03 Nov 2023 14:23

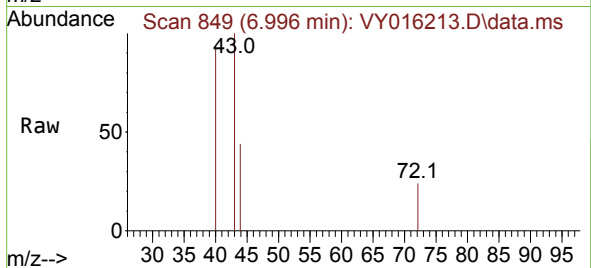
Tgt Ion:113 Resp: 55998
Ion Ratio Lower Upper
113 100
111 102.4 81.3 121.9
192 19.6 16.9 25.3



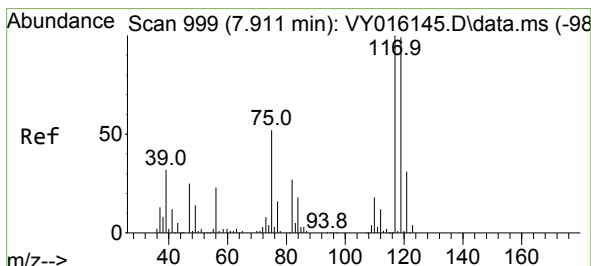
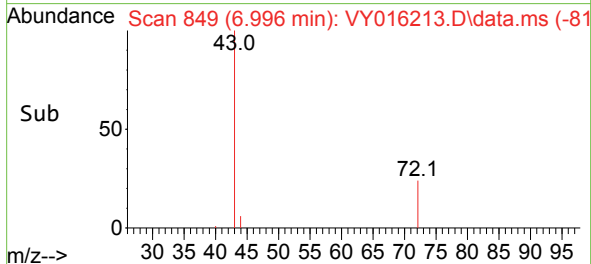
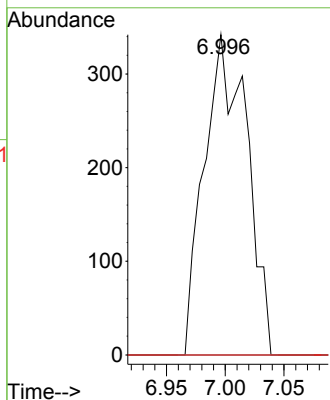


#37
Ethyl Acetate
Concen: 1.137 ug/l
RT: 6.996 min Scan# 84
Delta R.T. -0.086 min
Lab File: VY016213.D
Acq: 03 Nov 2023 14:23

Instrument :
MSVOA_Y
ClientSampleId :

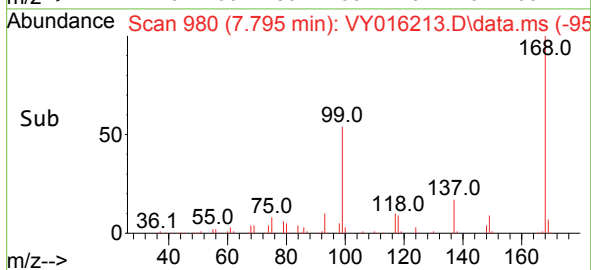
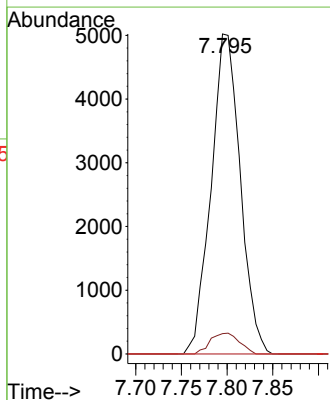
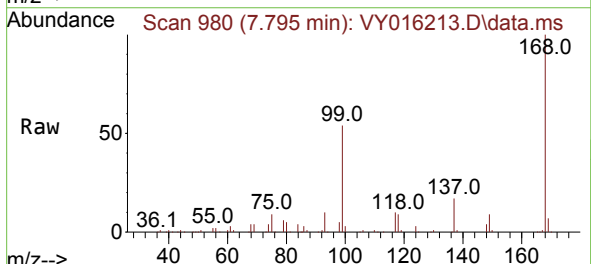


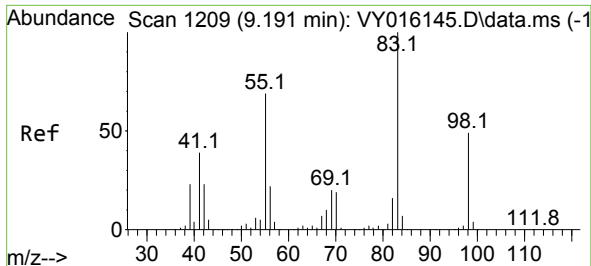
Tgt Ion: 43 Resp: 867
Ion Ratio Lower Upper
43 100
61 0.0 10.1 15.1#
70 0.0 7.1 10.7#



#38
Carbon Tetrachloride
Concen: 6.585 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.116 min
Lab File: VY016213.D
Acq: 03 Nov 2023 14:23

Tgt Ion: 117 Resp: 11172
Ion Ratio Lower Upper
117 100
119 6.3 76.4 114.6#
121 0.0 25.8 38.6#





#39

Methylcyclohexane

Concen: 3.130 ug/l

RT: 9.191 min Scan# 1209

Delta R.T. -0.000 min

Lab File: VY016213.D

Acq: 03 Nov 2023 14:23

Instrument :

MSVOA_Y

ClientSampleId :

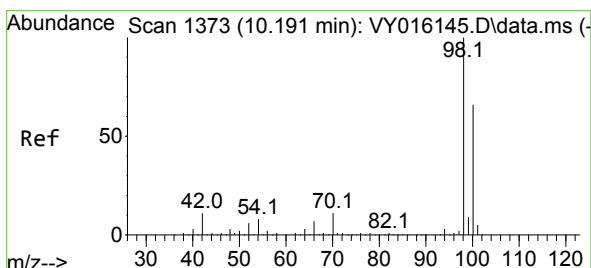
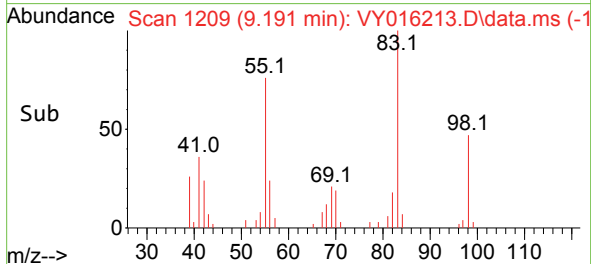
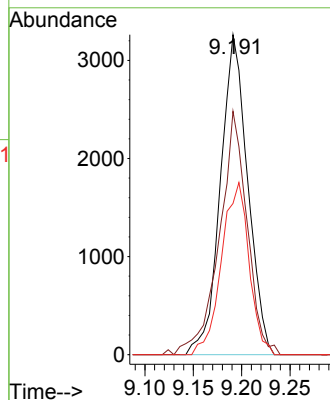
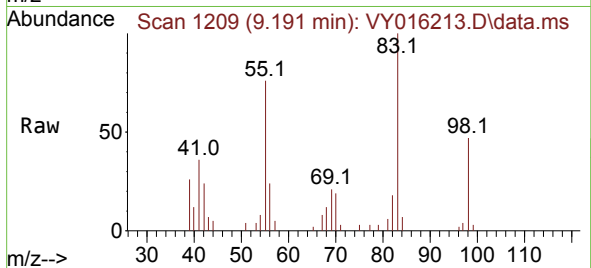
Tgt Ion: 83 Resp: 6399

Ion Ratio Lower Upper

83 100

55 76.0 63.0 94.4

98 47.2 37.4 56.2



#50

Toluene-d8

Concen: 49.801 ug/l

RT: 10.191 min Scan# 1373

Delta R.T. -0.000 min

Lab File: VY016213.D

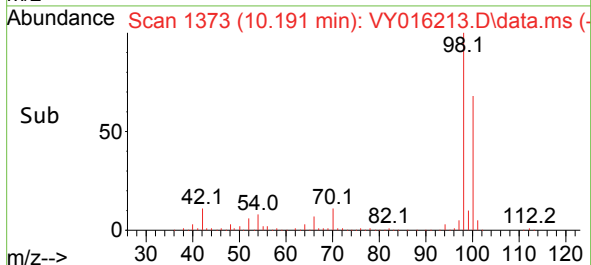
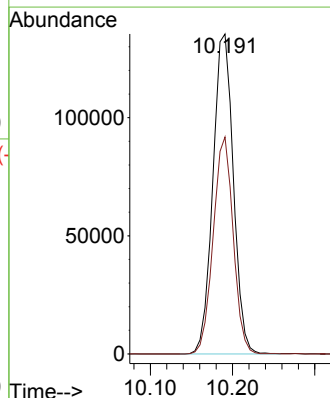
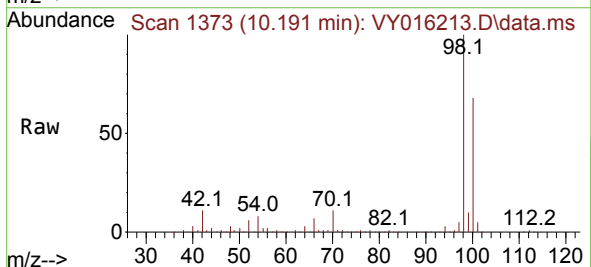
Acq: 03 Nov 2023 14:23

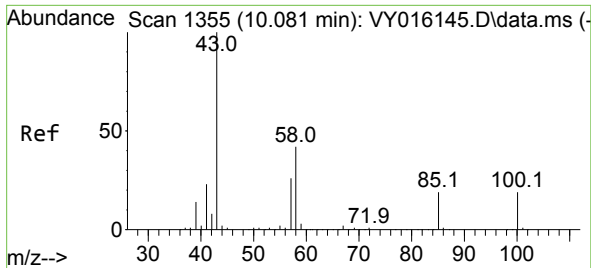
Tgt Ion: 98 Resp: 234170

Ion Ratio Lower Upper

98 100

100 66.2 50.1 75.1

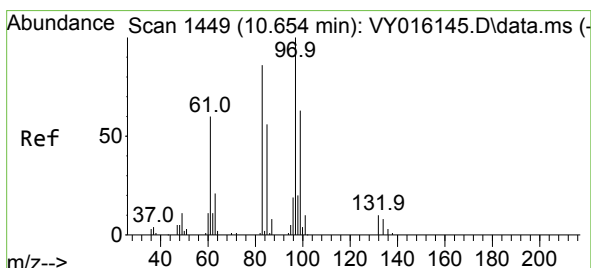
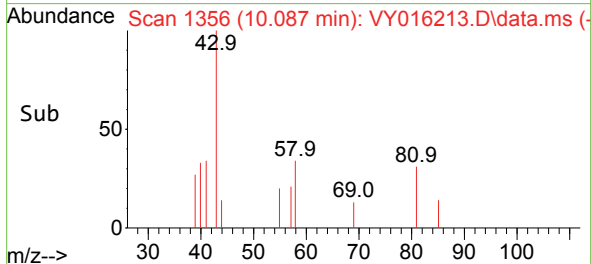
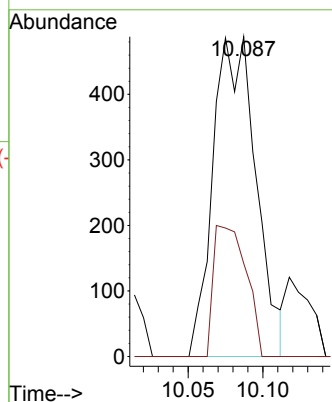
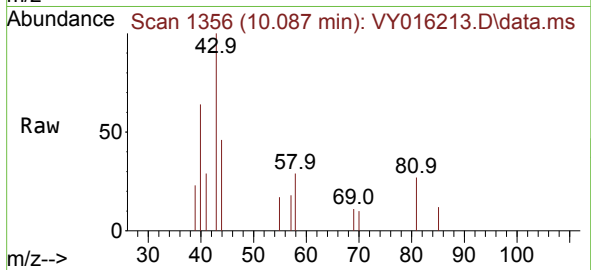




#51
4-Methyl-2-Pentanone
Concen: 1.291 ug/l
RT: 10.087 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY016213.D
Acq: 03 Nov 2023 14:23

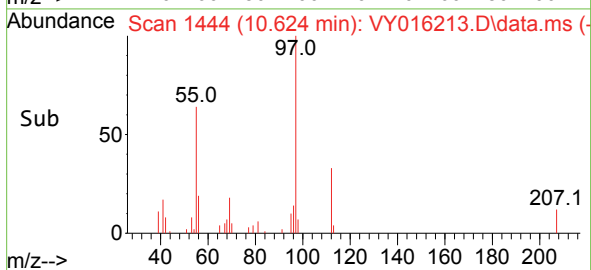
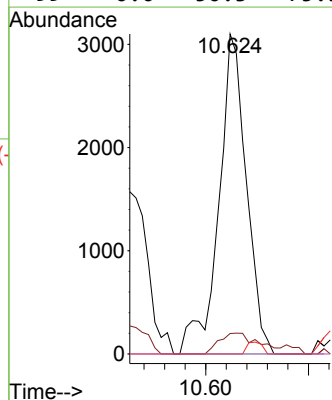
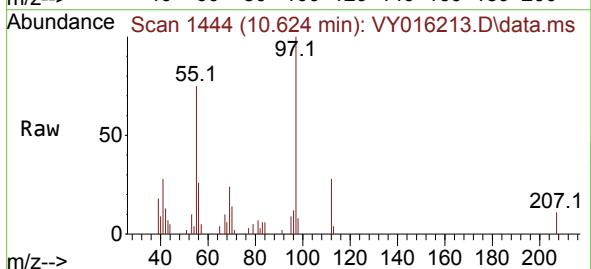
Instrument :
MSVOA_Y
ClientSampleId :

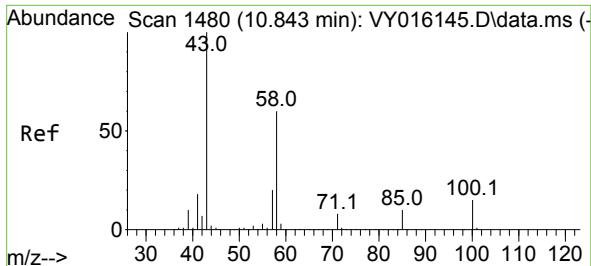
Tgt Ion: 43 Resp: 972
Ion Ratio Lower Upper
43 100
58 31.1 29.0 43.6



#55
1,1,2-Trichloroethane
Concen: 6.112 ug/l
RT: 10.624 min Scan# 1444
Delta R.T. -0.031 min
Lab File: VY016213.D
Acq: 03 Nov 2023 14:23

Tgt Ion: 97 Resp: 5768
Ion Ratio Lower Upper
97 100
83 6.4 72.0 108.0#
85 0.0 45.4 68.0#
99 0.0 50.3 75.5#

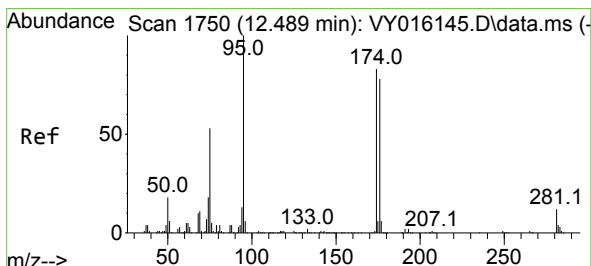
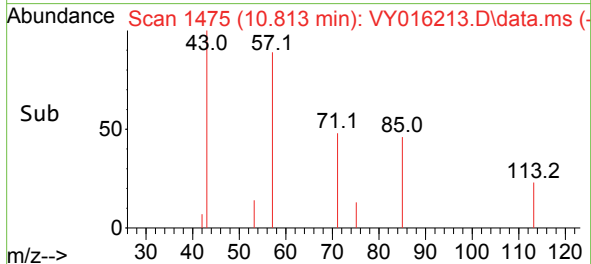
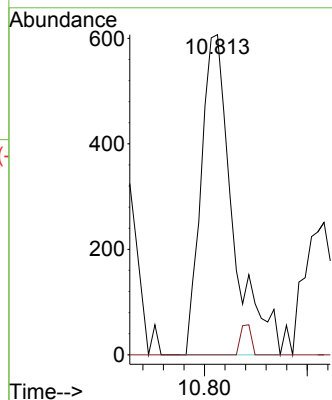
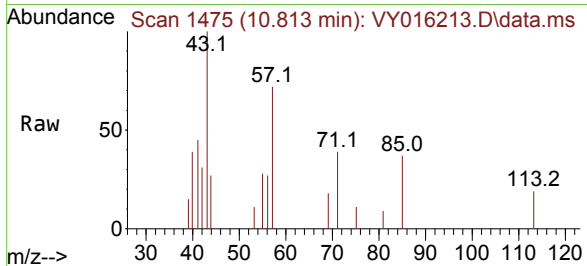




#59
2-Hexanone
Concen: 2.518 ug/l
RT: 10.813 min Scan# 1475
Delta R.T. -0.031 min
Lab File: VY016213.D
Acq: 03 Nov 2023 14:23

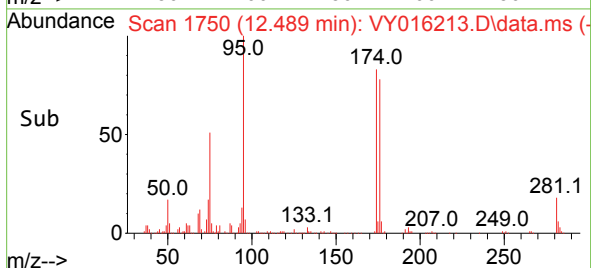
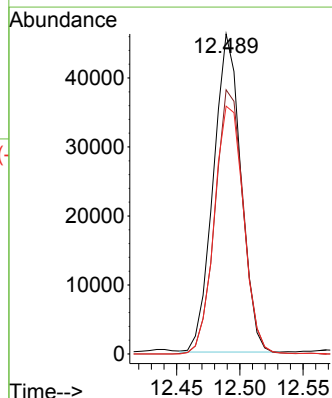
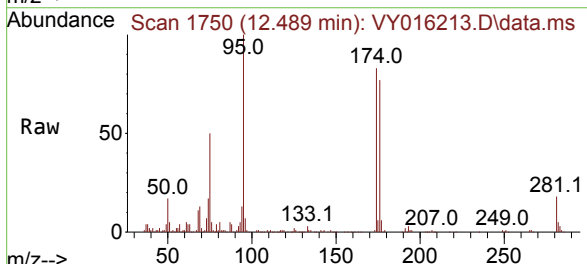
Instrument :
MSVOA_Y
ClientSampleId :

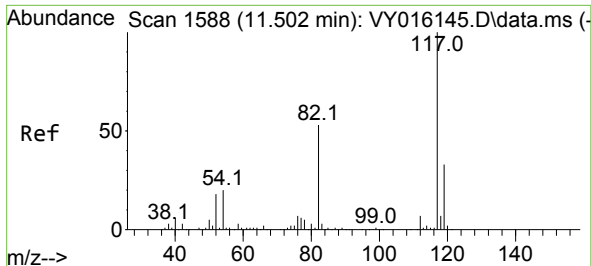
Tgt Ion: 43 Resp: 1299
Ion Ratio Lower Upper
43 100
58 0.0 25.1 75.3#



#62
4-Bromofluorobenzene
Concen: 43.462 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.000 min
Lab File: VY016213.D
Acq: 03 Nov 2023 14:23

Tgt Ion: 95 Resp: 69881
Ion Ratio Lower Upper
95 100
174 85.3 0.0 178.2
176 83.2 0.0 173.8

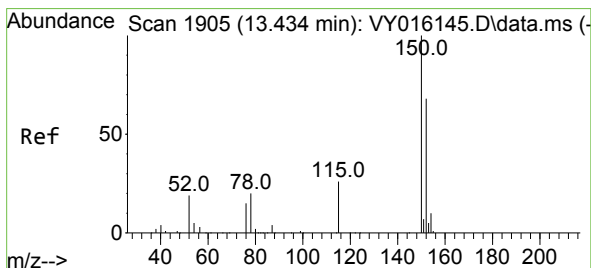
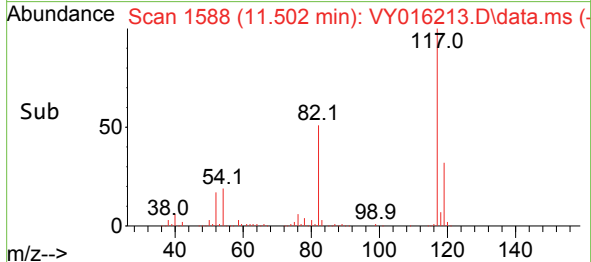
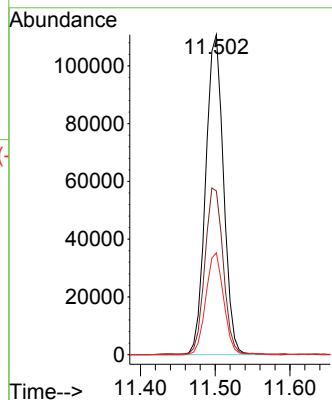
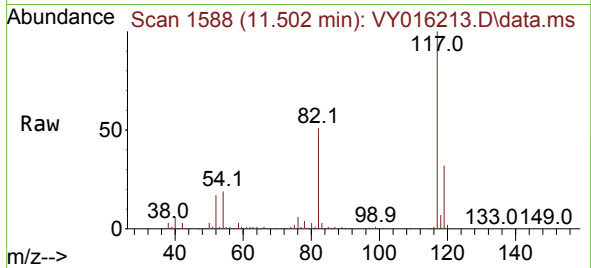




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.502 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY016213.D
Acq: 03 Nov 2023 14:23

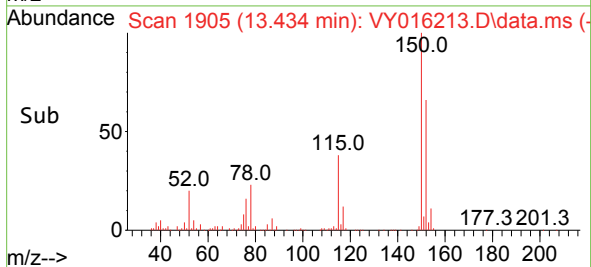
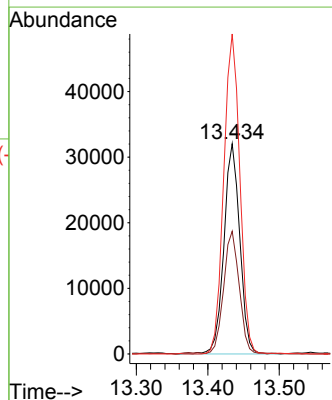
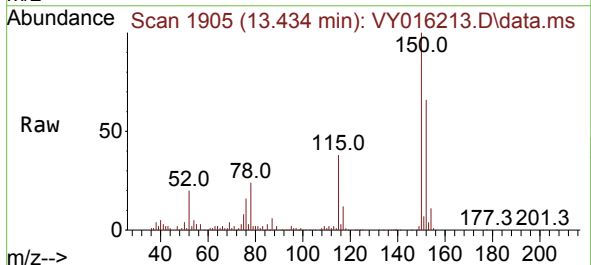
Instrument :
MSVOA_Y
ClientSampleId :

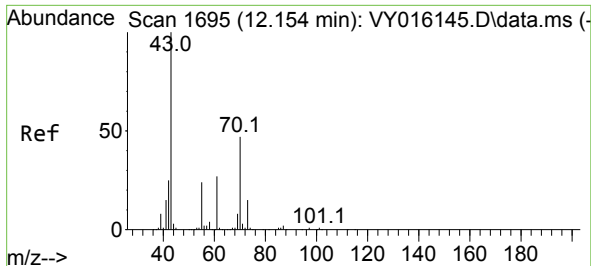
Tgt Ion:117 Resp: 183505
Ion Ratio Lower Upper
117 100
82 50.9 43.4 65.0
119 31.9 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.434 min Scan# 1905
Delta R.T. -0.000 min
Lab File: VY016213.D
Acq: 03 Nov 2023 14:23

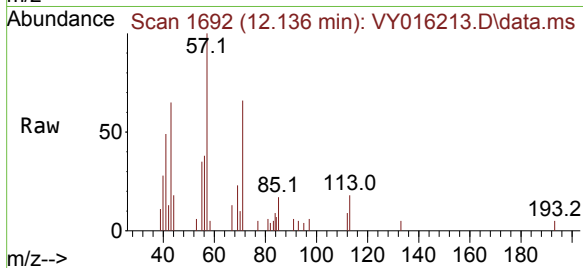
Tgt Ion:152 Resp: 49385
Ion Ratio Lower Upper
152 100
115 57.4 28.8 86.5
150 154.2 0.0 348.8



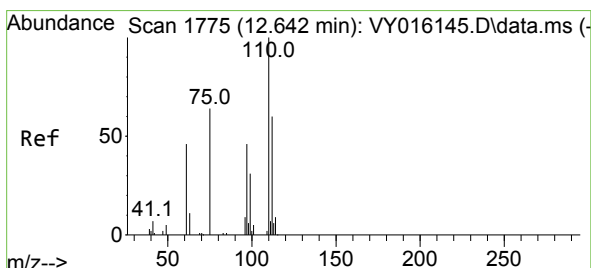
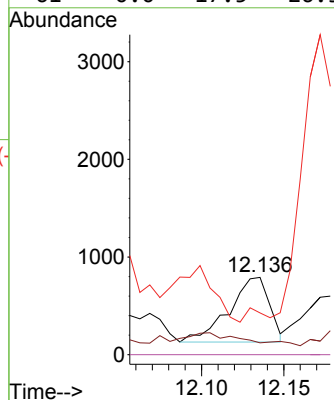
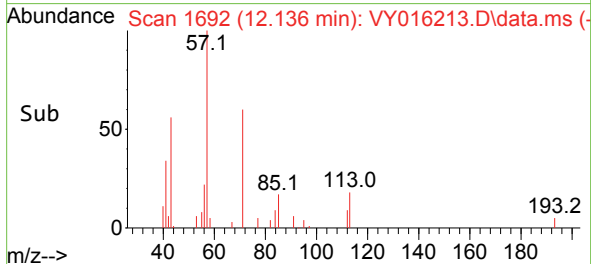


#74
N-amy1 acetate
Concen: 1.415 ug/l
RT: 12.136 min Scan# 1
Delta R.T. -0.018 min
Lab File: VY016213.D
Acq: 03 Nov 2023 14:23

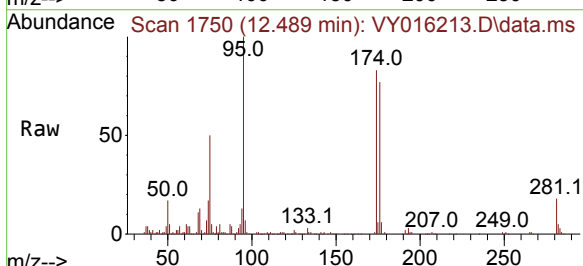
Instrument :
MSVOA_Y
ClientSampleId :



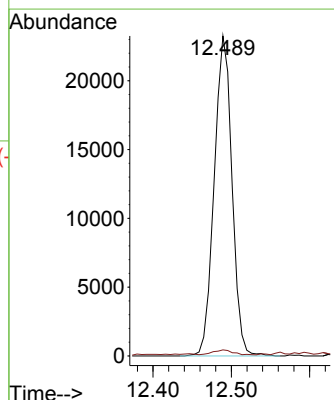
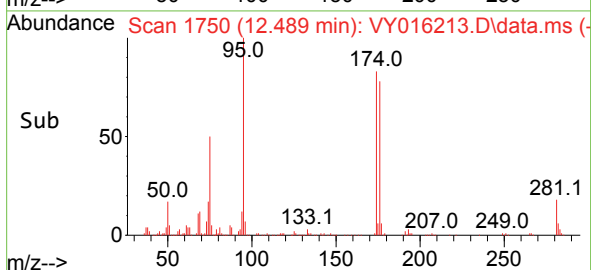
Tgt Ion: 43	Resp: 1139
Ion Ratio	Lower Upper
43 100	
70 0.0	29.7 44.5#
55 0.0	18.3 27.5#
61 0.0	17.5 26.3#

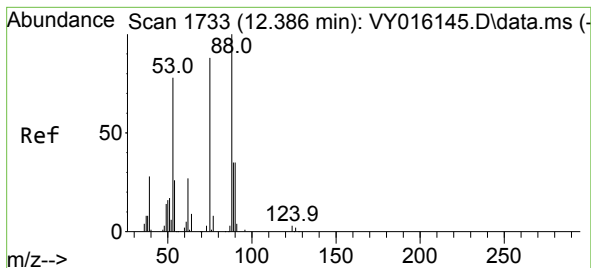


#76
1,2,3-Trichloropropane
Concen: 78.980 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.153 min
Lab File: VY016213.D
Acq: 03 Nov 2023 14:23



Tgt Ion: 75	Resp: 36731		
Ion Ratio	Lower	Upper	
75 100			
77 1.7	0.0	0.0#	

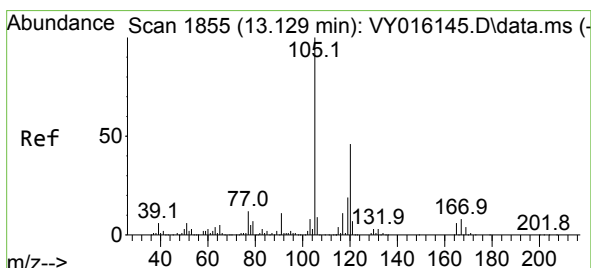
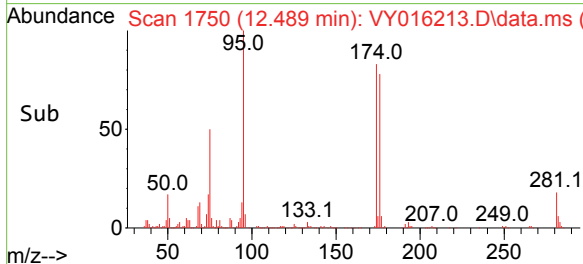
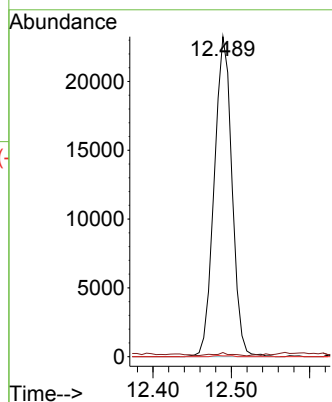
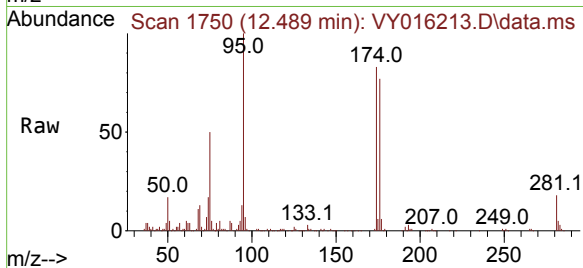




#81
 trans-1,4-Dichloro-2-butene
 Concen: 171.248 ug/l
 RT: 12.489 min Scan# 1750
 Delta R.T. 0.103 min
 Lab File: VY016213.D
 Acq: 03 Nov 2023 14:23

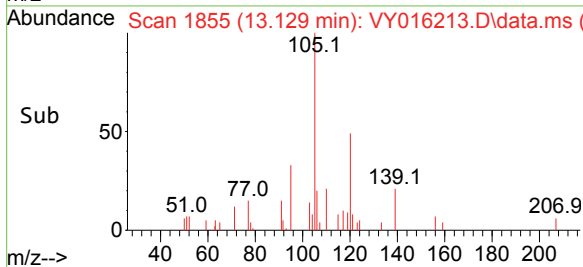
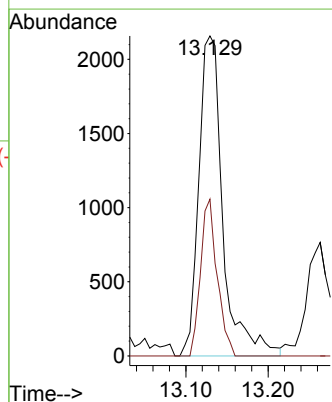
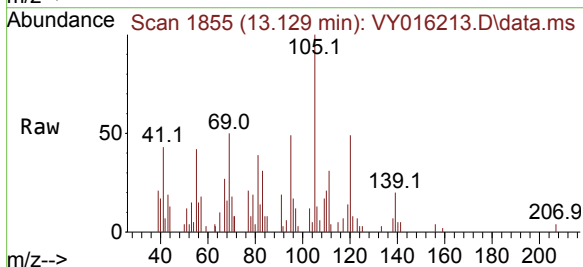
Instrument :
 MSVOA_Y
 ClientSampleId :

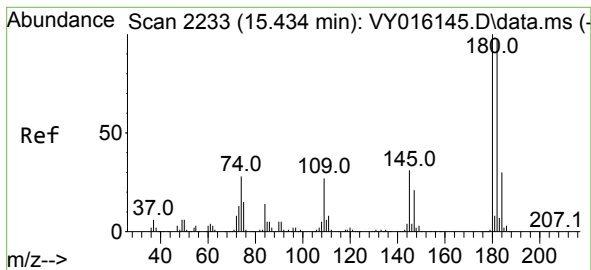
Tgt Ion: 75 Resp: 36731
 Ion Ratio Lower Upper
 75 100
 53 1.0 77.8 116.8#
 89 0.3 37.4 56.0#



#84
 1,2,4-Trimethylbenzene
 Concen: 1.476 ug/l
 RT: 13.129 min Scan# 1855
 Delta R.T. -0.000 min
 Lab File: VY016213.D
 Acq: 03 Nov 2023 14:23

Tgt Ion: 105 Resp: 4383
 Ion Ratio Lower Upper
 105 100
 120 33.9 22.2 66.6





#96

1,2,3-Trichlorobenzene

Concen: 5.927 ug/l

RT: 15.452 min Scan# 21

Delta R.T. 0.018 min

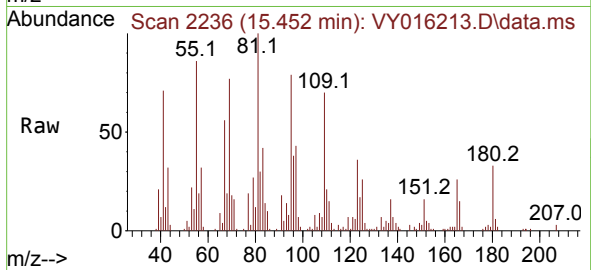
Lab File: VY016213.D

Acq: 03 Nov 2023 14:23

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:180 Resp: 4479

Ion Ratio Lower Upper

180 100

182 0.0 47.3 141.8#

145 0.0 15.4 46.2#

