

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122223\
 Data File : VY016811.D
 Acq On : 22 Dec 2023 16:23
 Operator : SY/MD
 Sample : 05877-13
 Misc : 4.58g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 22 23:01:21 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122023S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 21 01:49:45 2023
 Response via : Initial Calibration

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

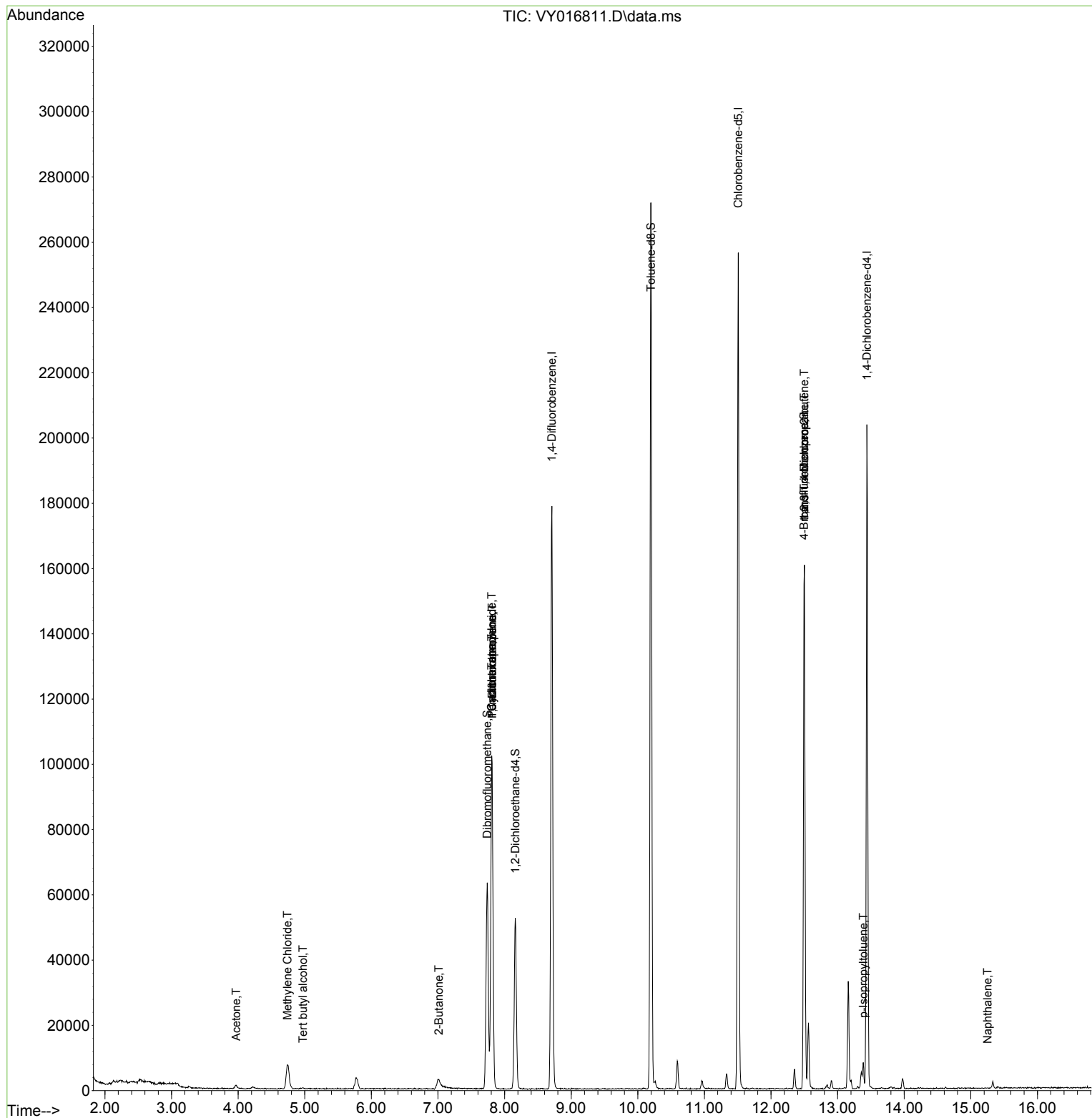
Internal Standards						
1) Pentafluorobenzene	7.813	168	76311	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.709	114	151765	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.508	117	136977	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.440	152	48543	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.161	65	40268	57.803	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 115.600%	
35) Dibromofluoromethane	7.740	113	46199	53.142	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.280%	
50) Toluene-d8	10.197	98	175576	56.025	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 112.040%	
62) 4-Bromofluorobenzene	12.495	95	47640	46.856	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 93.720%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.972	59	385	6.740	ug/l #	75
16) Acetone	3.973	43	2000	10.617	ug/l	93
20) Methylene Chloride	4.741	84	5965	3.402	ug/l	97
25) 2-Butanone	7.015	43	297	1.145	ug/l #	48
31) Cyclohexane	7.807	56	1754	1.314	ug/l #	25
36) 1,1-Dichloropropene	7.813	75	6827	4.898	ug/l #	48
38) Carbon Tetrachloride	7.807	117	7647	5.545	ug/l #	18
76) 1,2,3-Trichloropropane	12.501	75	25797	48.073	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.501	75	25797	112.897	ug/l #	12
86) p-Isopropyltoluene	13.385	119	4018	1.251	ug/l #	82
95) Naphthalene	15.251	128	45	3.621	ug/l #	69

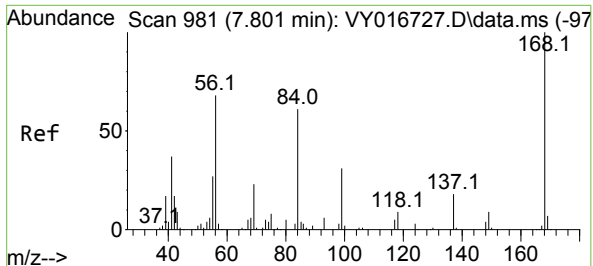
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 22 23:01:21 2023
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Quant Title : SW846 8260
QLast Update : Thu Dec 21 01:49:45 2023
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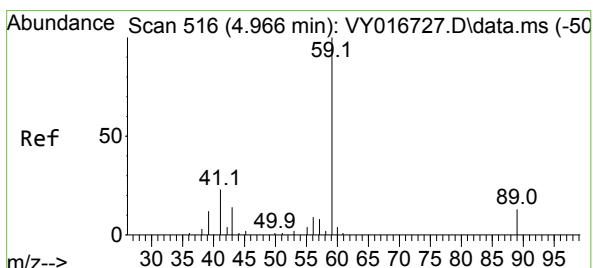
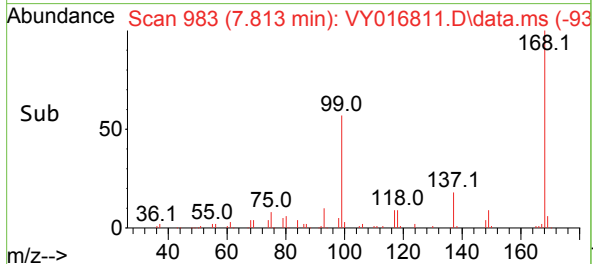
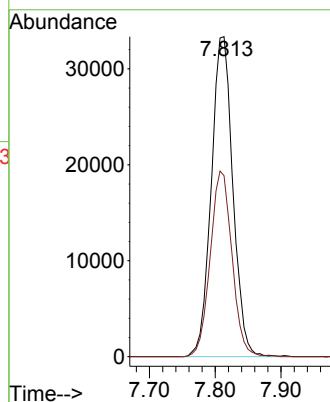
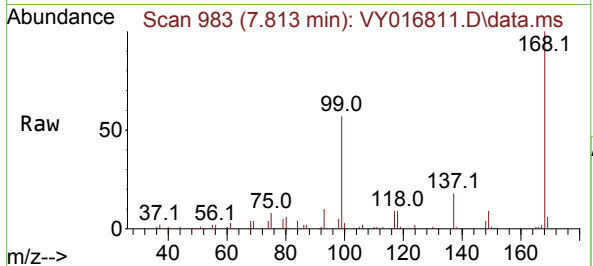




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.813 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY016811.D
Acq: 22 Dec 2023 16:23

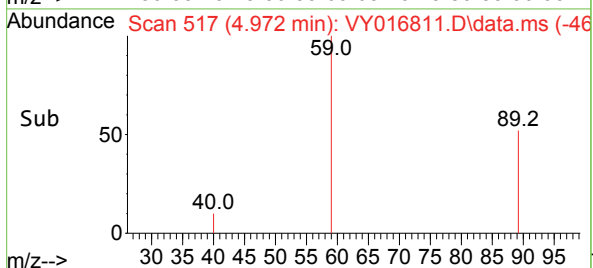
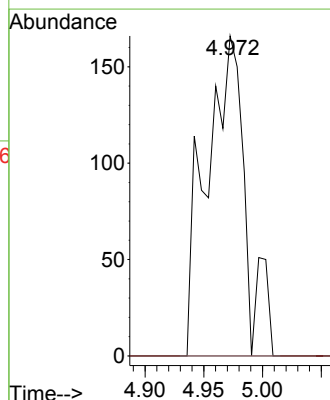
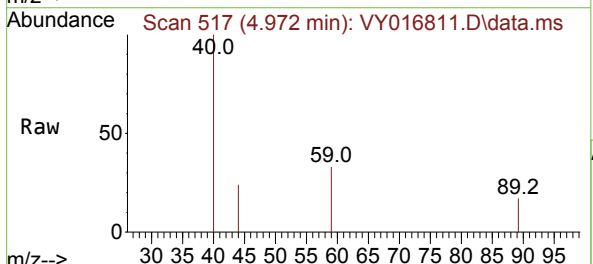
Instrument :
MSVOA_Y
ClientSampleId :

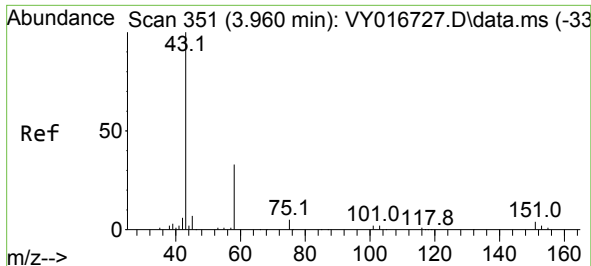
Tgt Ion:168 Resp: 76311
Ion Ratio Lower Upper
168 100
99 56.5 44.2 66.4



#11
Tert butyl alcohol
Concen: 6.740 ug/l
RT: 4.972 min Scan# 517
Delta R.T. 0.006 min
Lab File: VY016811.D
Acq: 22 Dec 2023 16:23

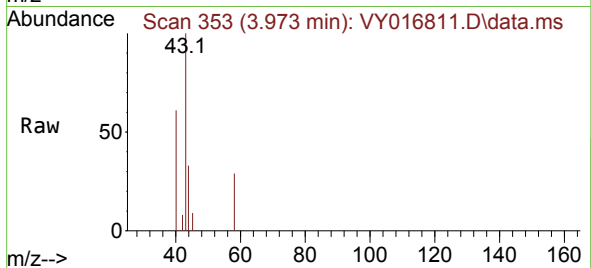
Tgt Ion: 59 Resp: 385
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#



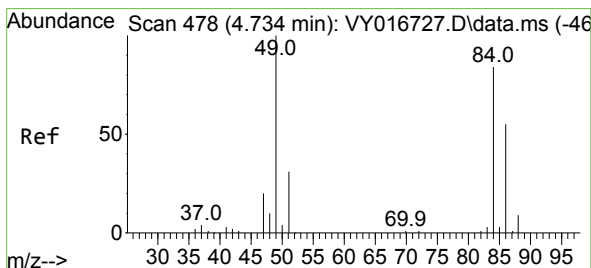
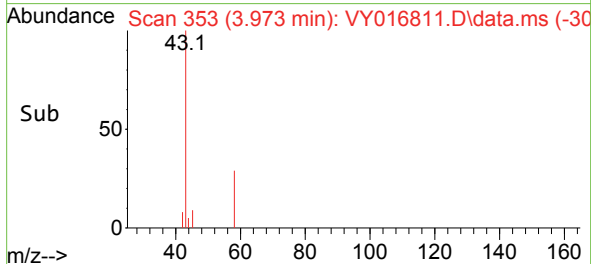
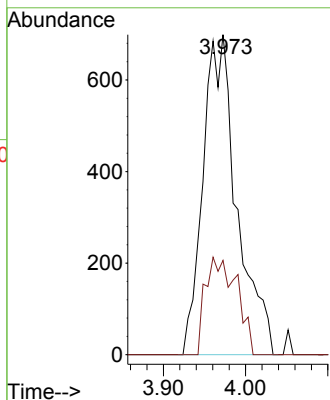


#16
Acetone
Concen: 10.617 ug/l
RT: 3.973 min Scan# 31
Delta R.T. 0.013 min
Lab File: VY016811.D
Acq: 22 Dec 2023 16:23

Instrument :
MSVOA_Y
ClientSampleId :

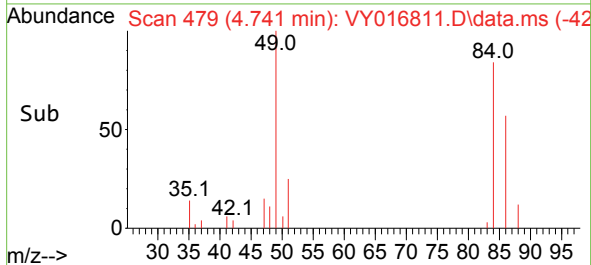
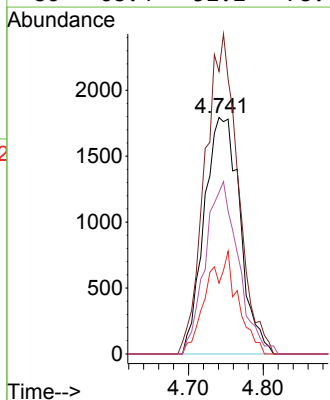
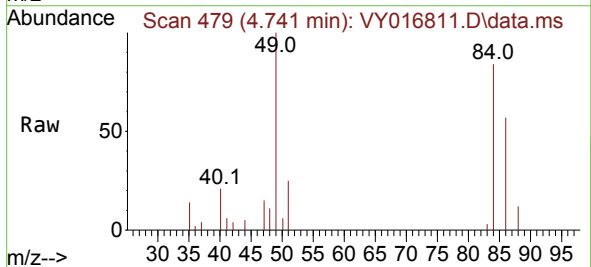


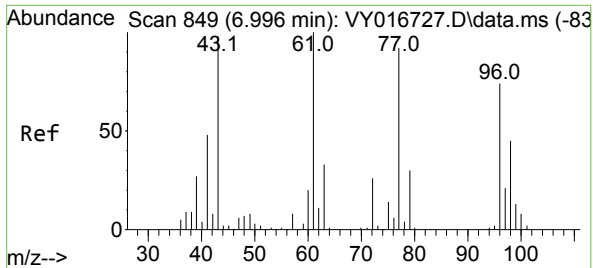
Tgt Ion: 43 Resp: 2000
Ion Ratio Lower Upper
43 100
58 29.5 26.6 39.8



#20
Methylene Chloride
Concen: 3.402 ug/l
RT: 4.741 min Scan# 479
Delta R.T. 0.007 min
Lab File: VY016811.D
Acq: 22 Dec 2023 16:23

Tgt Ion: 84 Resp: 5965
Ion Ratio Lower Upper
84 100
49 119.5 95.2 142.8
51 29.9 29.9 44.9
86 68.4 52.2 78.4





#25

2-Butanone

Concen: 1.145 ug/l

RT: 7.015 min Scan# 81

Delta R.T. 0.019 min

Lab File: VY016811.D

Acq: 22 Dec 2023 16:23

Instrument :

MSVOA_Y

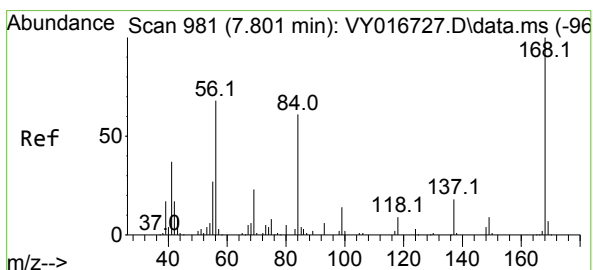
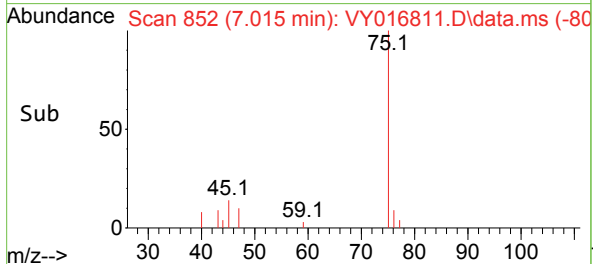
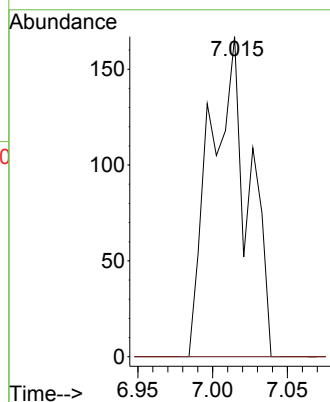
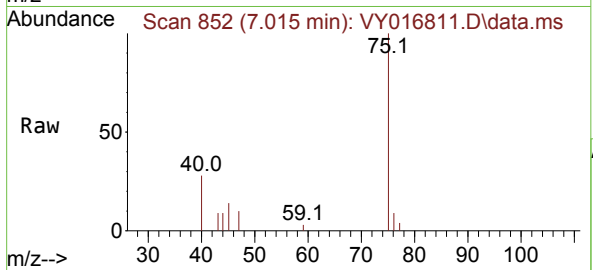
ClientSampleId :

Tgt Ion: 43 Resp: 297

Ion Ratio Lower Upper

43 100

72 0.0 21.4 32.2#



#31

Cyclohexane

Concen: 1.314 ug/l

RT: 7.807 min Scan# 982

Delta R.T. 0.006 min

Lab File: VY016811.D

Acq: 22 Dec 2023 16:23

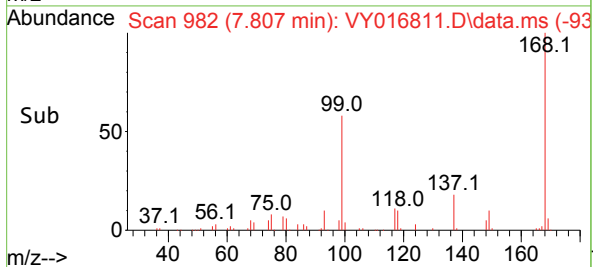
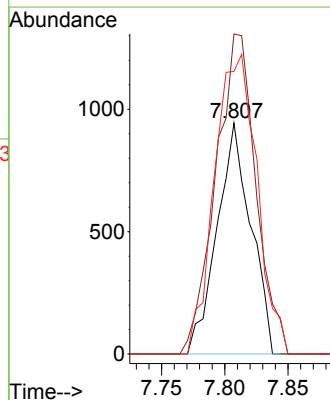
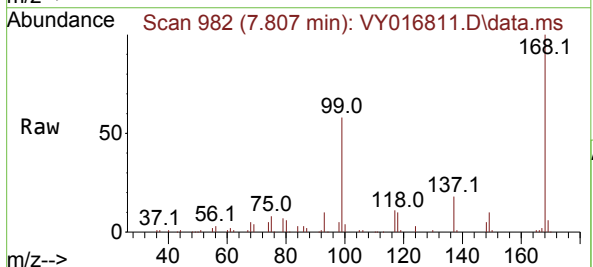
Tgt Ion: 56 Resp: 1754

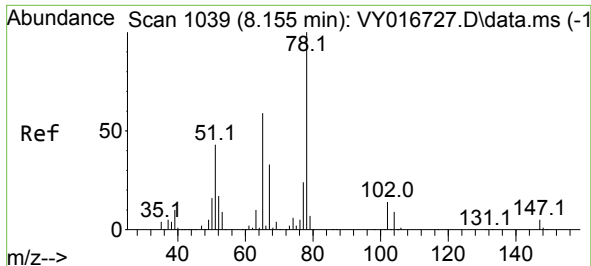
Ion Ratio Lower Upper

56 100

69 138.6 27.0 40.6#

84 122.4 71.8 107.6#





#33

1,2-Dichloroethane-d4

Concen: 57.803 ug/l

RT: 8.161 min Scan# 110

Delta R.T. 0.006 min

Lab File: VY016811.D

Acq: 22 Dec 2023 16:23

Instrument :

MSVOA_Y

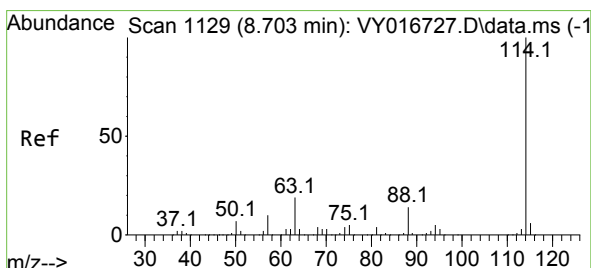
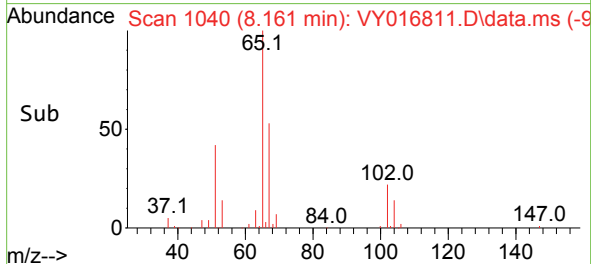
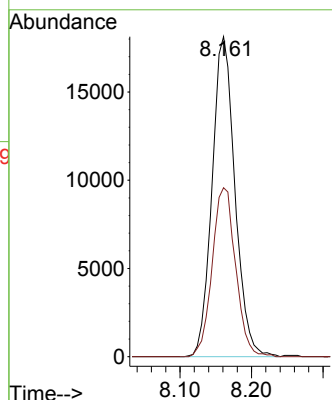
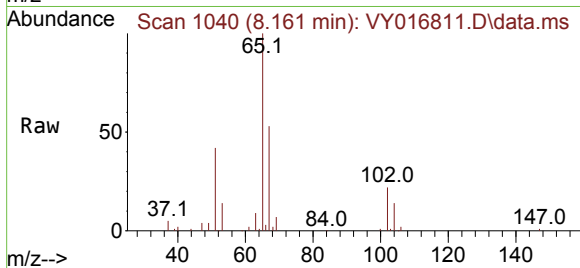
ClientSampleId :

Tgt Ion: 65 Resp: 40268

Ion Ratio Lower Upper

65 100

67 54.3 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: VY016811.D

Acq: 22 Dec 2023 16:23

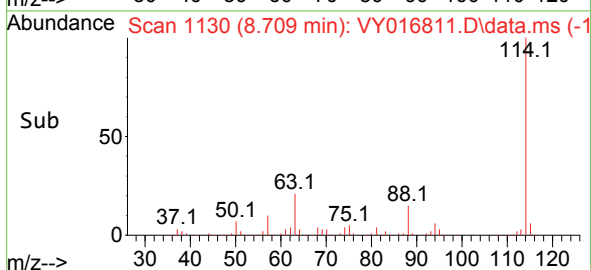
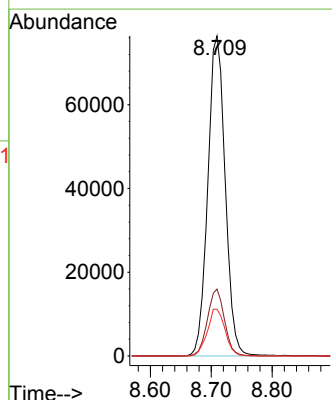
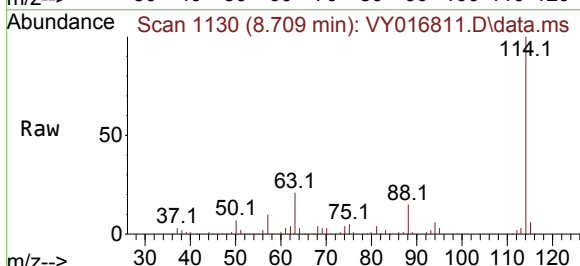
Tgt Ion: 114 Resp: 151765

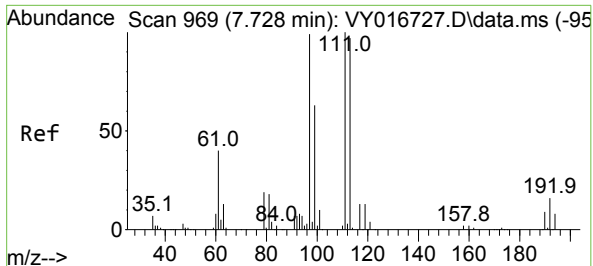
Ion Ratio Lower Upper

114 100

63 20.9 0.0 37.4

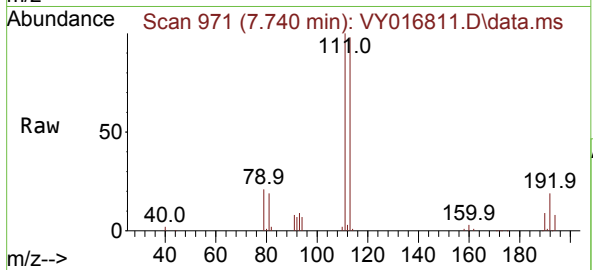
88 14.6 0.0 29.0



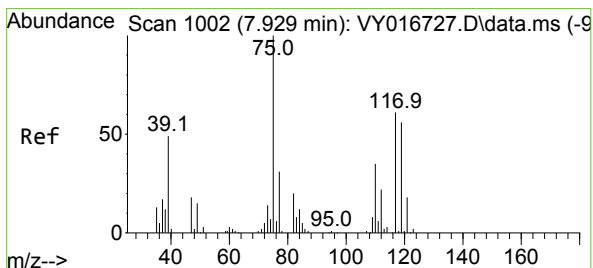
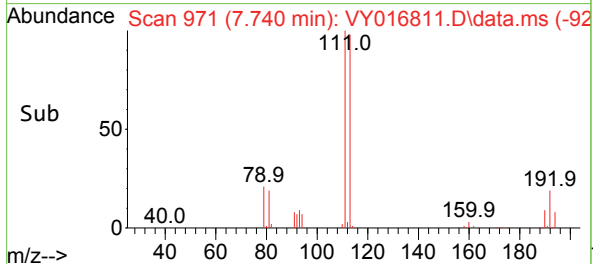
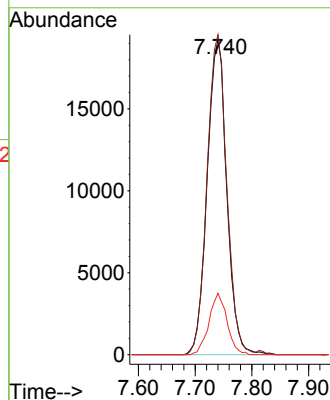


#35
Dibromofluoromethane
Concen: 53.142 ug/l
RT: 7.740 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY016811.D
Acq: 22 Dec 2023 16:23

Instrument :
MSVOA_Y
ClientSampleId :

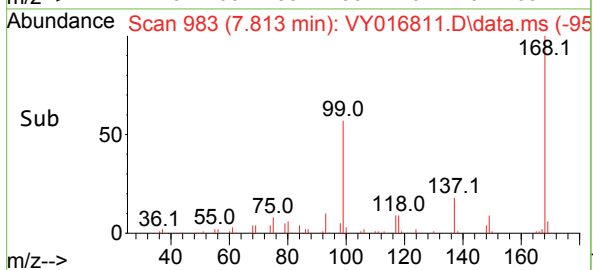
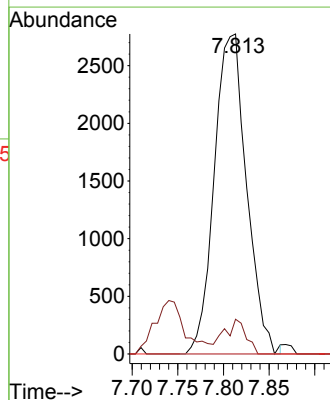
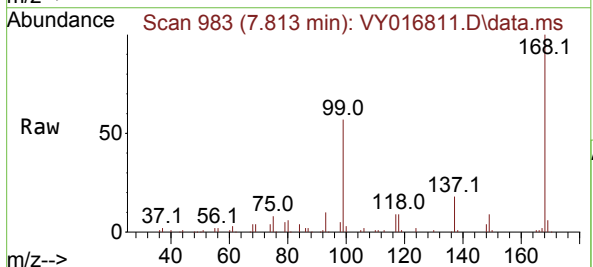


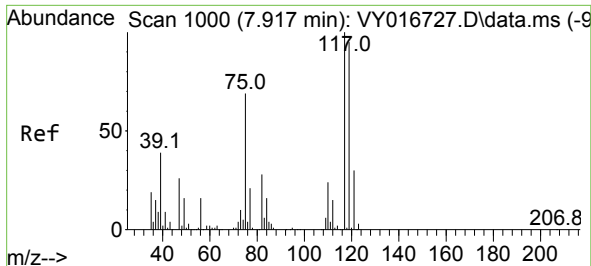
Tgt Ion:113 Resp: 46199
Ion Ratio Lower Upper
113 100
111 101.6 83.8 125.6
192 18.0 14.5 21.7



#36
1,1-Dichloropropene
Concen: 4.898 ug/l
RT: 7.813 min Scan# 983
Delta R.T. -0.116 min
Lab File: VY016811.D
Acq: 22 Dec 2023 16:23

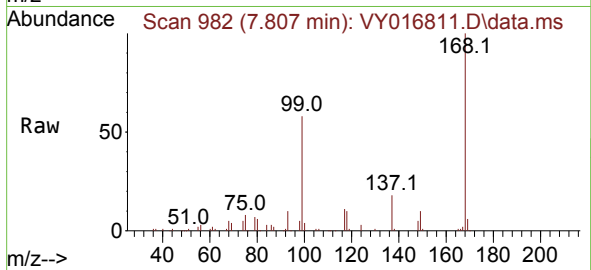
Tgt Ion: 75 Resp: 6827
Ion Ratio Lower Upper
75 100
110 7.1 17.4 52.3#
77 0.0 24.7 37.1#



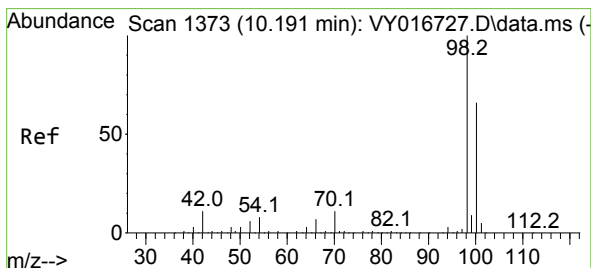
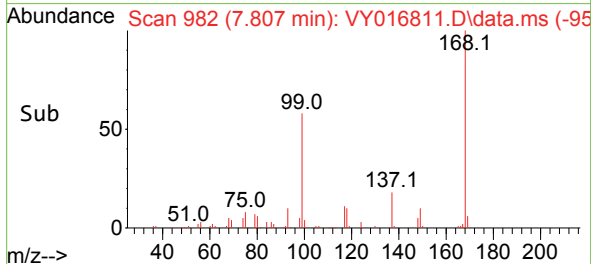
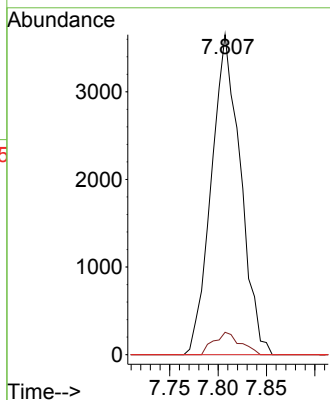


#38
Carbon Tetrachloride
Concen: 5.545 ug/l
RT: 7.807 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY016811.D
Acq: 22 Dec 2023 16:23

Instrument :
MSVOA_Y
ClientSampleId :

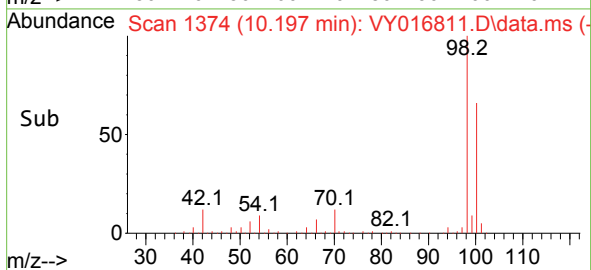
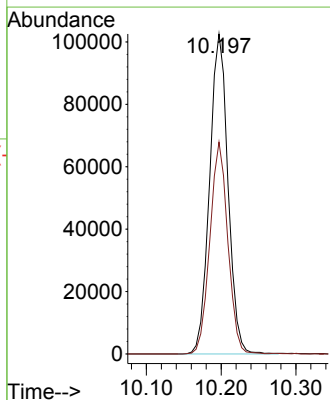
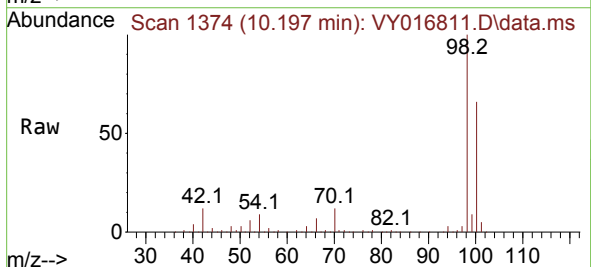


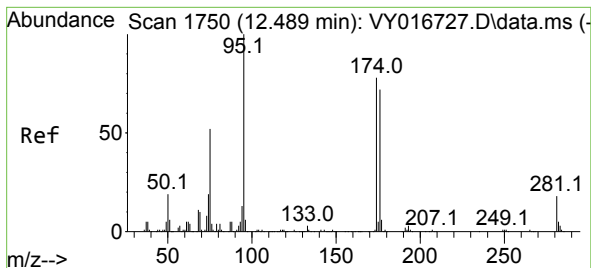
Tgt Ion:117 Resp: 7647
Ion Ratio Lower Upper
117 100
119 7.0 76.0 114.0#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 56.025 ug/l
RT: 10.197 min Scan# 1374
Delta R.T. 0.006 min
Lab File: VY016811.D
Acq: 22 Dec 2023 16:23

Tgt Ion: 98 Resp: 175576
Ion Ratio Lower Upper
98 100
100 64.5 52.3 78.5

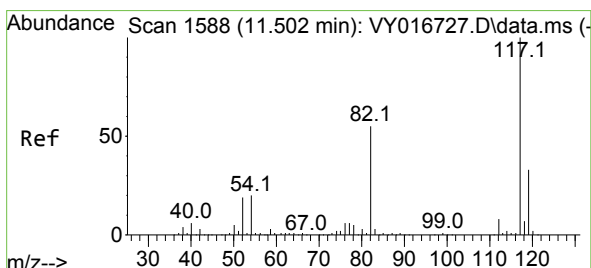
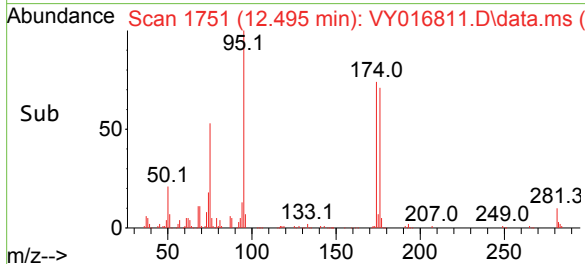
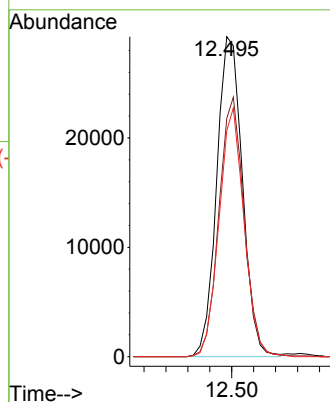
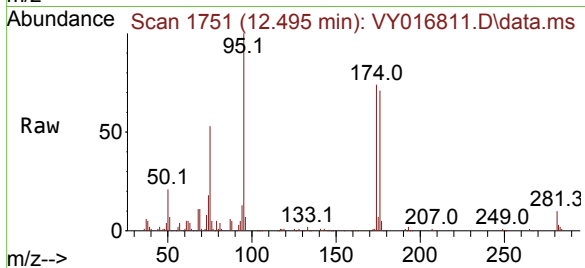




#62
4-Bromofluorobenzene
Concen: 46.856 ug/l
RT: 12.495 min Scan# 1751
Delta R.T. 0.006 min
Lab File: VY016811.D
Acq: 22 Dec 2023 16:23

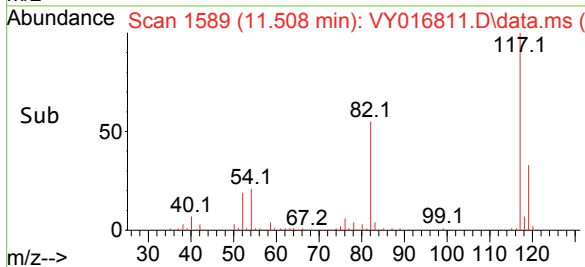
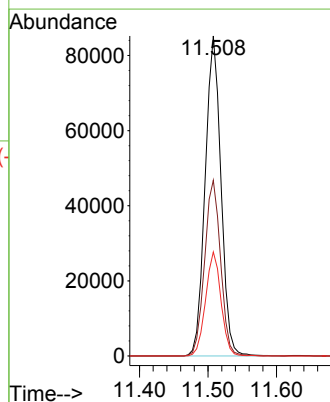
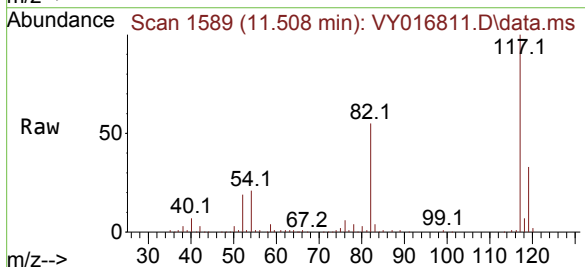
Instrument :
MSVOA_Y
ClientSampleId :

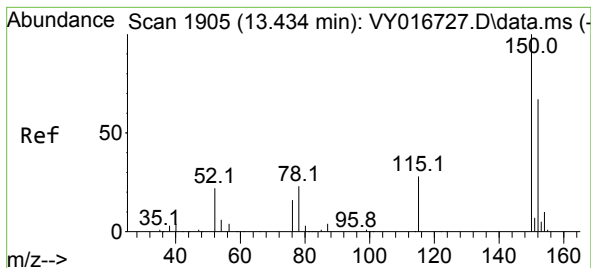
Tgt Ion: 95 Resp: 47640
Ion Ratio Lower Upper
95 100
174 79.3 0.0 160.0
176 75.5 0.0 151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.508 min Scan# 1589
Delta R.T. 0.006 min
Lab File: VY016811.D
Acq: 22 Dec 2023 16:23

Tgt Ion: 117 Resp: 136977
Ion Ratio Lower Upper
117 100
82 54.9 43.8 65.8
119 32.5 26.5 39.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.440 min Scan# 1905

Delta R.T. 0.006 min

Lab File: VY016811.D

Acq: 22 Dec 2023 16:23

Instrument :

MSVOA_Y

ClientSampleId :

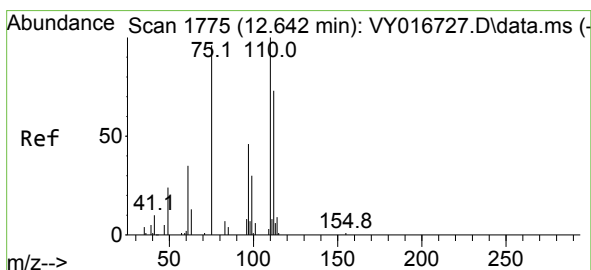
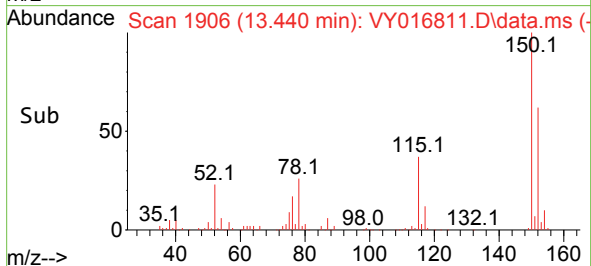
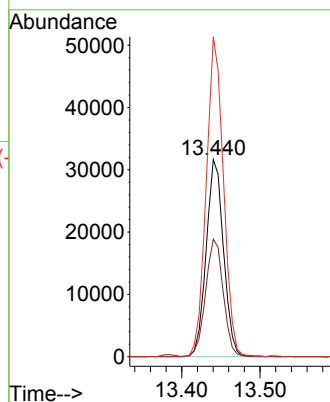
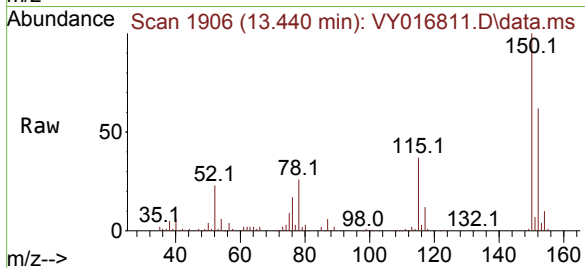
Tgt Ion:152 Resp: 48543

Ion Ratio Lower Upper

152 100

115 60.7 30.0 90.0

150 161.2 0.0 344.6



#76

1,2,3-Trichloropropane

Concen: 48.073 ug/l

RT: 12.501 min Scan# 1752

Delta R.T. -0.140 min

Lab File: VY016811.D

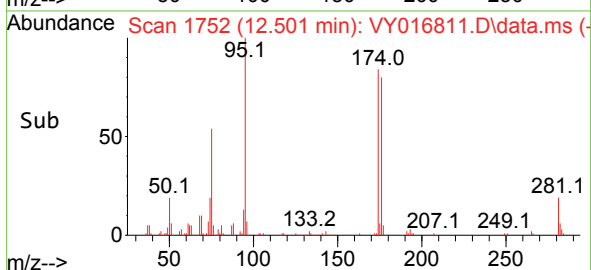
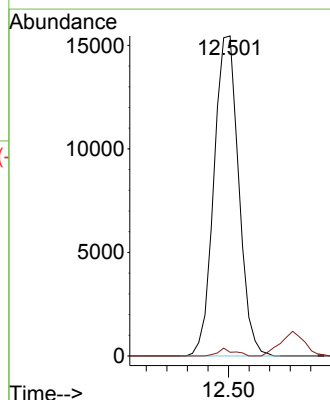
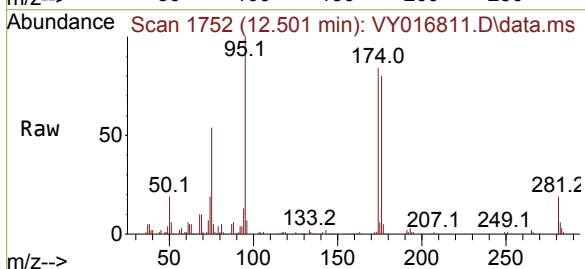
Acq: 22 Dec 2023 16:23

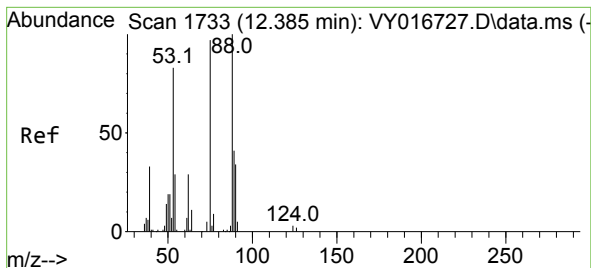
Tgt Ion: 75 Resp: 25797

Ion Ratio Lower Upper

75 100

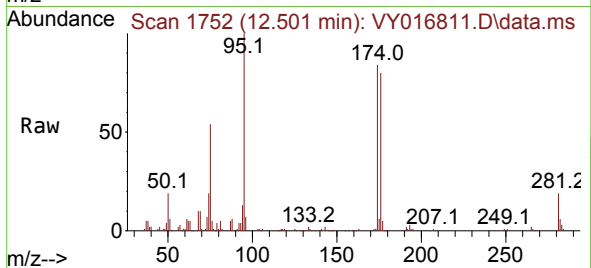
77 1.6 0.0 0.0#



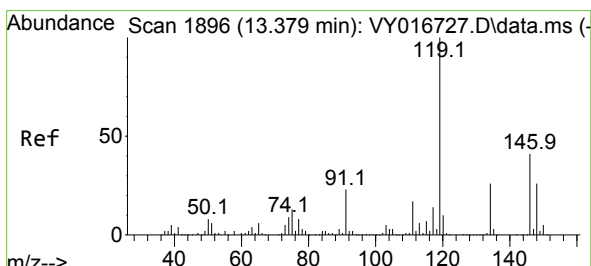
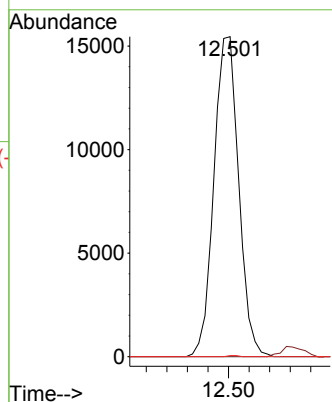
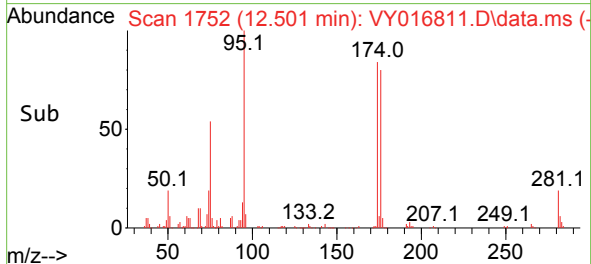


#81
trans-1,4-Dichloro-2-butene
Concen: 112.897 ug/l
RT: 12.501 min Scan# 1752
Delta R.T. 0.116 min
Lab File: VY016811.D
Acq: 22 Dec 2023 16:23

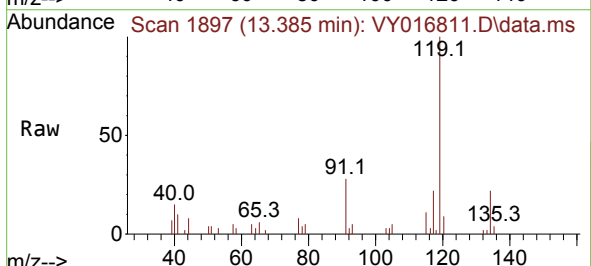
Instrument :
MSVOA_Y
ClientSampleId :



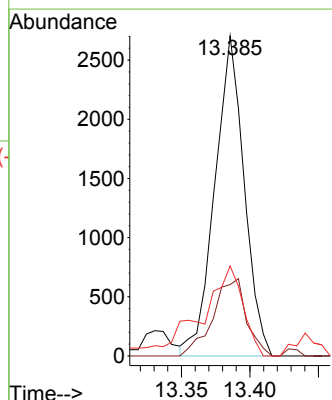
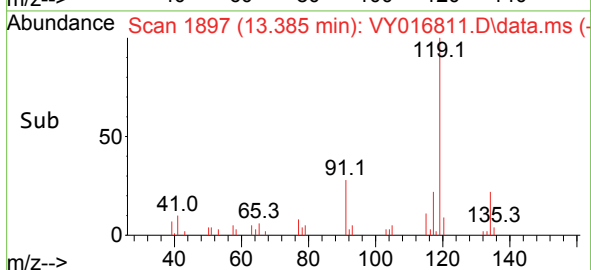
Tgt Ion: 75 Resp: 25797
Ion Ratio Lower Upper
75 100
53 0.0 74.0 111.0#
89 0.2 36.5 54.7#

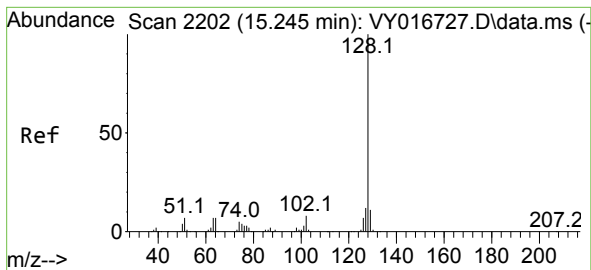


#86
p-Isopropyltoluene
Concen: 1.251 ug/l
RT: 13.385 min Scan# 1897
Delta R.T. 0.006 min
Lab File: VY016811.D
Acq: 22 Dec 2023 16:23



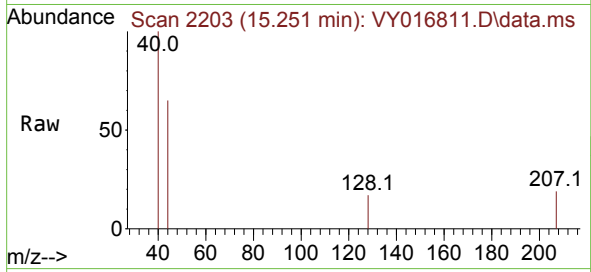
Tgt Ion: 119 Resp: 4018
Ion Ratio Lower Upper
119 100
134 27.7 13.1 39.1
91 40.2 11.7 35.0#





#95
Naphthalene
Concen: 3.621 ug/l
RT: 15.251 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY016811.D
Acq: 22 Dec 2023 16:23

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.2	15.4#
129	0.0	8.6	12.8#

