

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122023\
 Data File : VY016748.D
 Acq On : 21 Dec 2023 08:18
 Operator : SY/MD
 Sample : 05876-17
 Misc : 5.09g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 21 14:20:11 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)

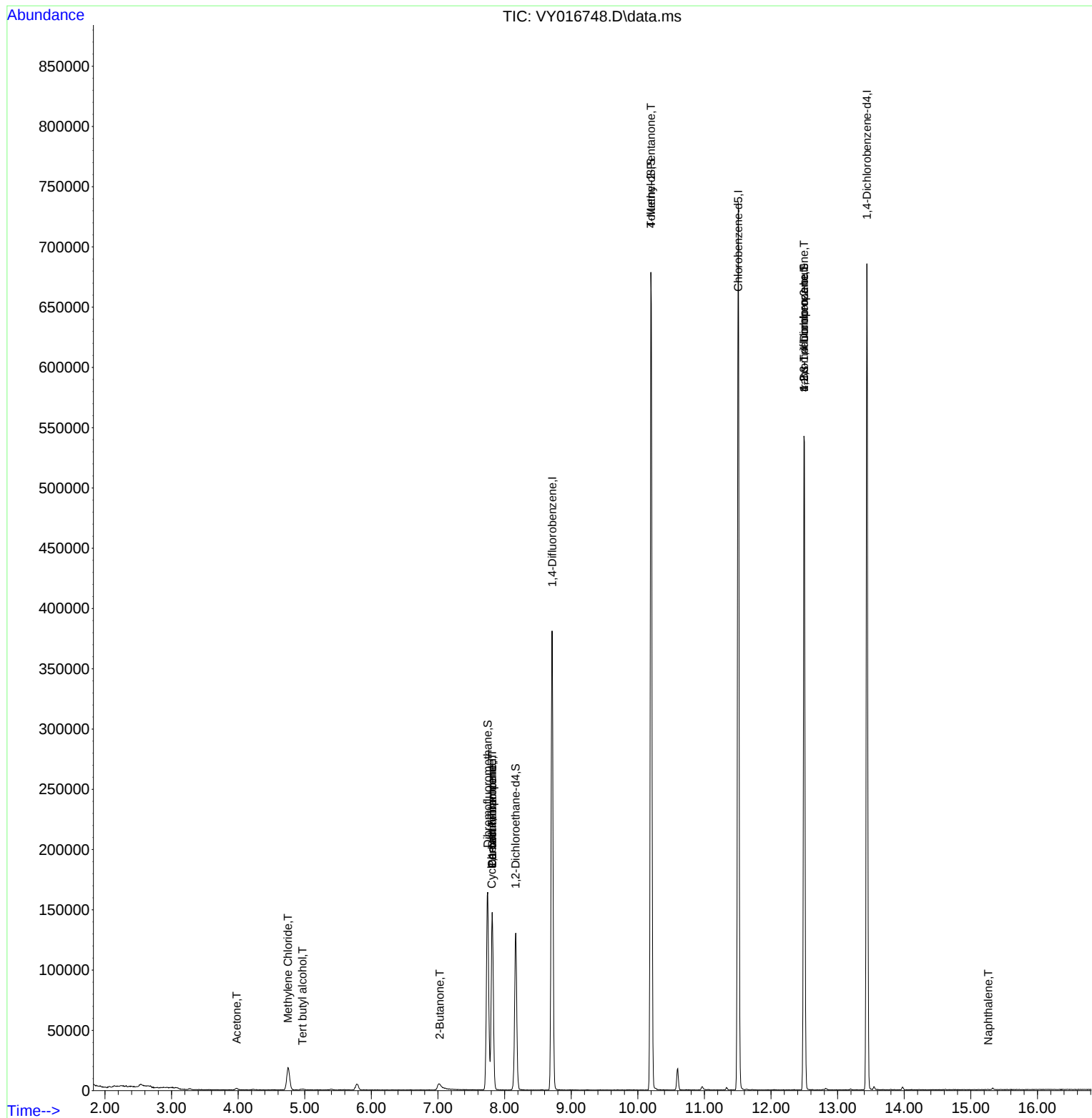
Internal Standards						
1) Pentafluorobenzene	7.813	168	110529	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.716	114	333774	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.508	117	385648	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.440	152	167300	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.167	65	97440	96.570	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 193.140%#			
35) Dibromofluoromethane	7.746	113	118691	62.079	ug/l	0.02
Spiked Amount 50.000	Range 54 - 147		Recovery = 124.160%			
50) Toluene-d8	10.197	98	446410	64.769	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 129.540%			
62) 4-Bromofluorobenzene	12.495	95	171977	76.910	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 153.820%#			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.966	59	1104	13.345	ug/l #	75
16) Acetone	3.979	43	2539	9.306	ug/l	96
20) Methylene Chloride	4.747	84	14571	7.753	ug/l	96
25) 2-Butanone	7.027	43	515	1.371	ug/l #	48
31) Cyclohexane	7.807	56	2506	1.296	ug/l #	3
36) 1,1-Dichloropropene	7.813	75	10170	3.318	ug/l #	49
38) Carbon Tetrachloride	7.813	117	11445	3.773	ug/l #	17
51) 4-Methyl-2-Pentanone	10.197	43	1916	1.409	ug/l #	1
76) 1,2,3-Trichloropropane	12.495	75	90092	48.714	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.495	75	90092	114.401	ug/l #	12
95) Naphthalene	15.263	128	88	3.609	ug/l #	69

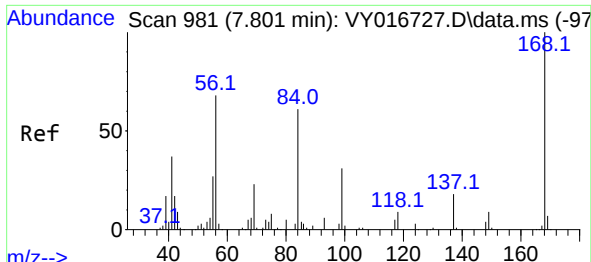
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 21 14:20:11 2023
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Quant Title : SW846 8260
QLast Update : Thu Dec 21 01:49:45 2023
Response via : Initial Calibration

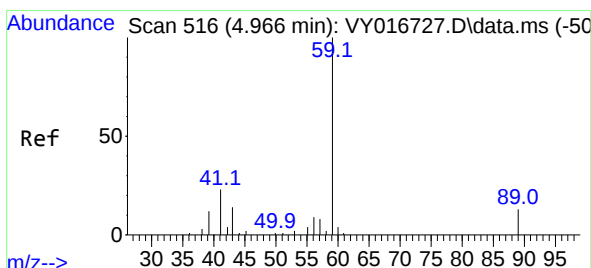
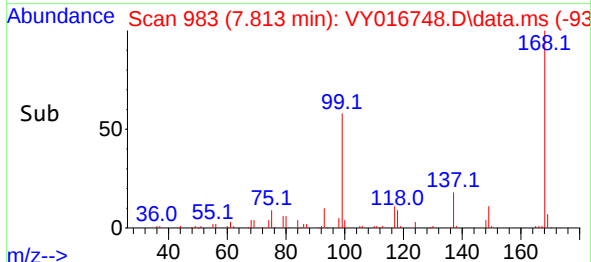
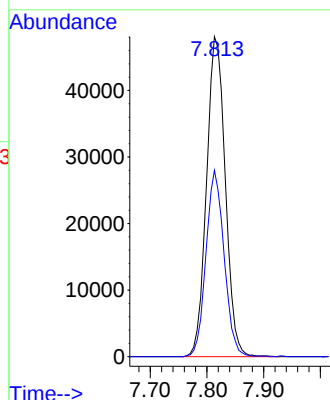
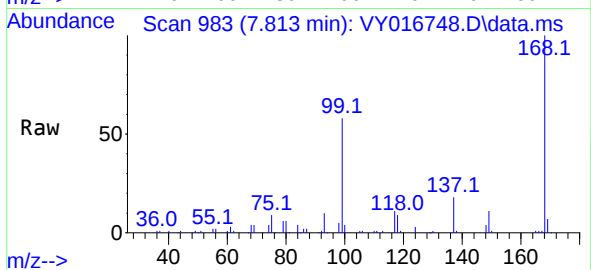




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.813 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY016748.D
Acq: 21 Dec 2023 08:18

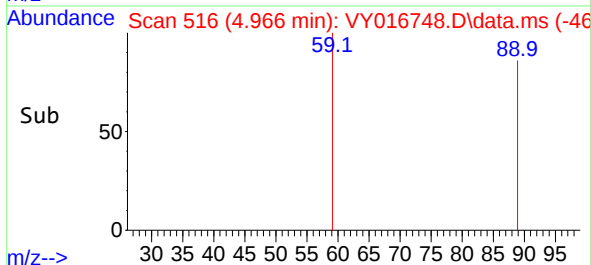
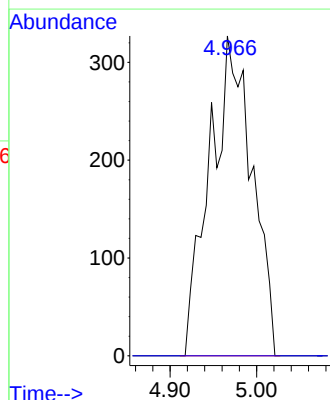
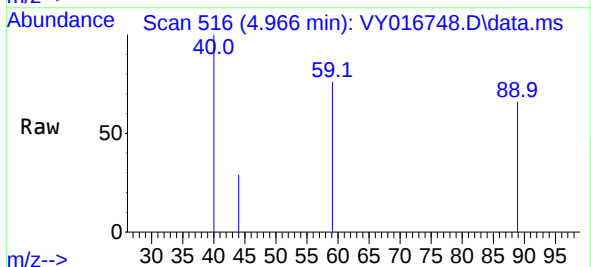
Instrument :
MSVOA_Y
ClientSampleId :

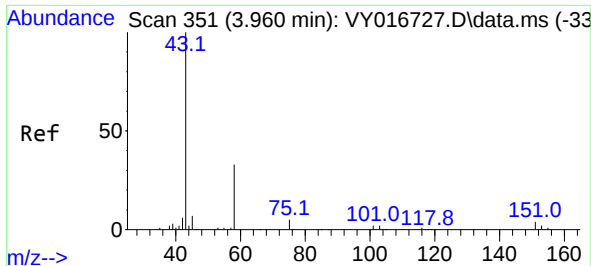
Tgt Ion:168 Resp: 110529
Ion Ratio Lower Upper
168 100
99 58.2 44.2 66.4



#11
Tert butyl alcohol
Concen: 13.345 ug/l
RT: 4.966 min Scan# 516
Delta R.T. 0.000 min
Lab File: VY016748.D
Acq: 21 Dec 2023 08:18

Tgt Ion: 59 Resp: 1104
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#

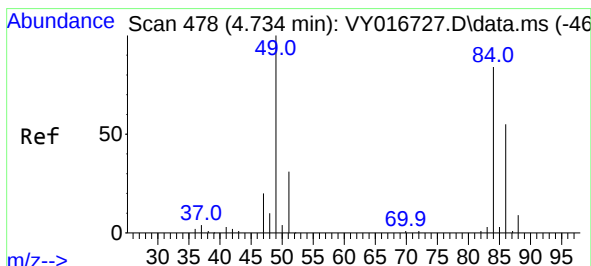
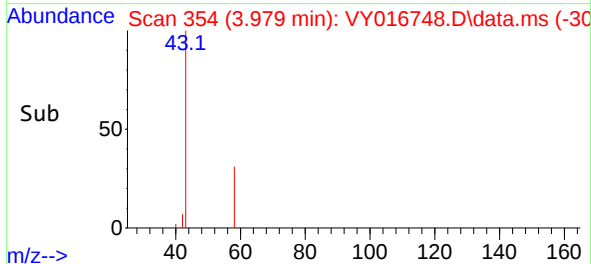
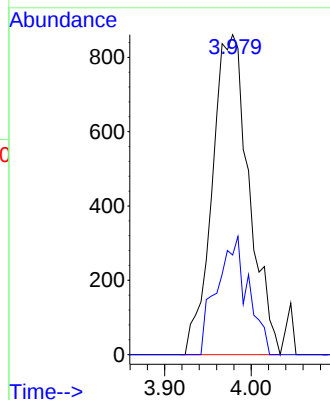
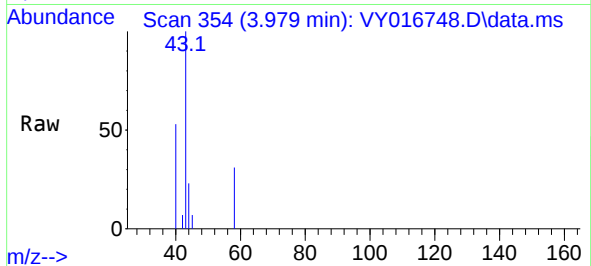




#16
Acetone
Concen: 9.306 ug/l
RT: 3.979 min Scan# 31
Delta R.T. 0.019 min
Lab File: VY016748.D
Acq: 21 Dec 2023 08:18

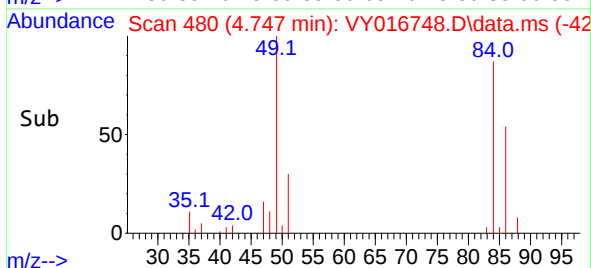
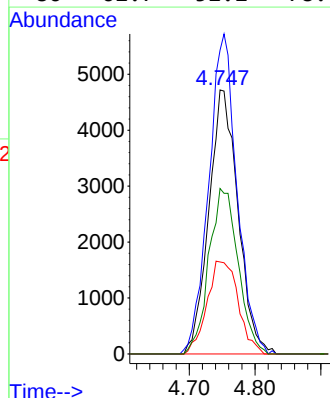
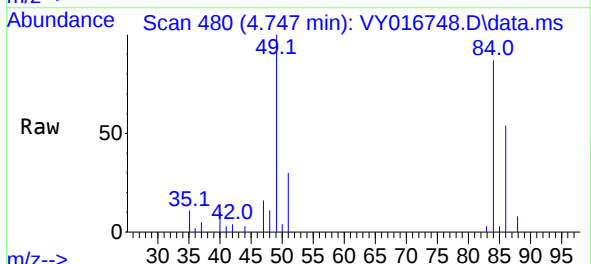
Instrument :
MSVOA_Y
ClientSampleId :

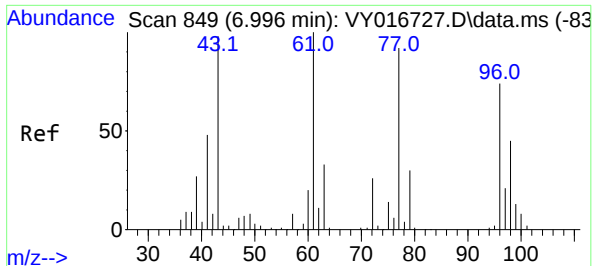
Tgt Ion: 43 Resp: 2539
Ion Ratio Lower Upper
43 100
58 31.1 26.6 39.8



#20
Methylene Chloride
Concen: 7.753 ug/l
RT: 4.747 min Scan# 480
Delta R.T. 0.013 min
Lab File: VY016748.D
Acq: 21 Dec 2023 08:18

Tgt Ion: 84 Resp: 14571
Ion Ratio Lower Upper
84 100
49 115.0 95.2 142.8
51 34.9 29.9 44.9
86 62.7 52.2 78.4

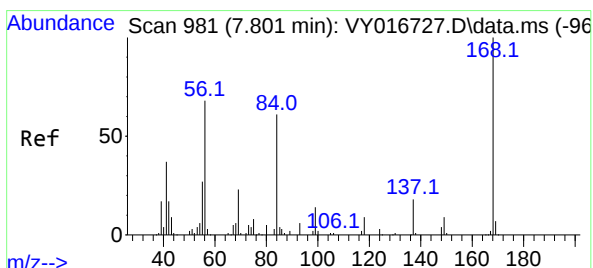
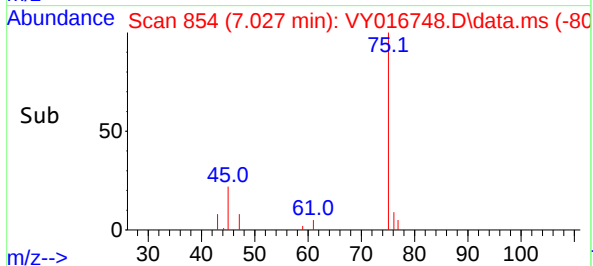
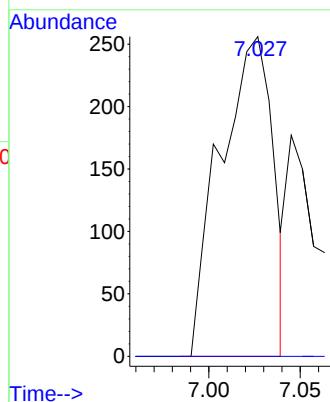
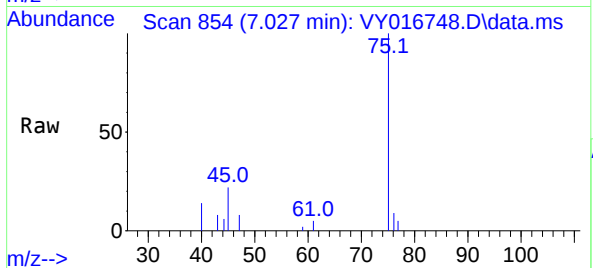




#25
2-Butanone
Concen: 1.371 ug/l
RT: 7.027 min Scan# 81
Delta R.T. 0.031 min
Lab File: VY016748.D
Acq: 21 Dec 2023 08:18

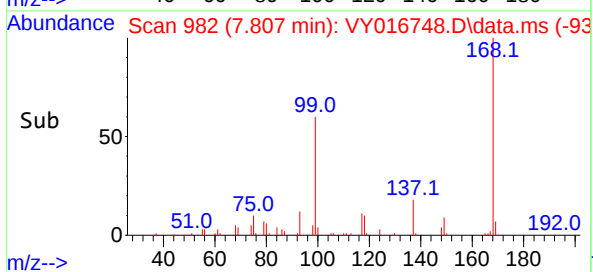
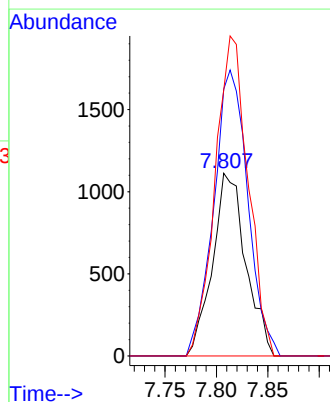
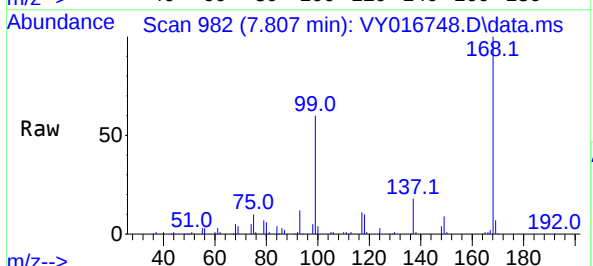
Instrument :
MSVOA_Y
ClientSampleId :

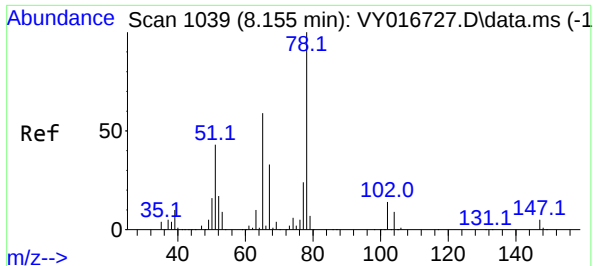
Tgt Ion: 43 Resp: 515
Ion Ratio Lower Upper
43 100
72 0.0 21.4 32.2#



#31
Cyclohexane
Concen: 1.296 ug/l
RT: 7.807 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY016748.D
Acq: 21 Dec 2023 08:18

Tgt Ion: 56 Resp: 2506
Ion Ratio Lower Upper
56 100
69 145.9 27.0 40.6#
84 145.4 71.8 107.6#





#33

1,2-Dichloroethane-d4

Concen: 96.570 ug/l

RT: 8.167 min Scan# 110

Delta R.T. 0.012 min

Lab File: VY016748.D

Acq: 21 Dec 2023 08:18

Instrument :

MSVOA_Y

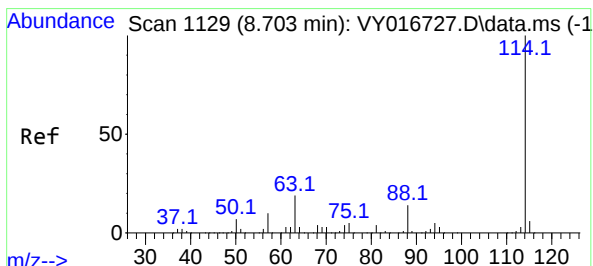
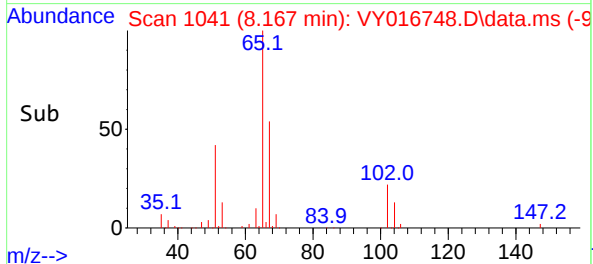
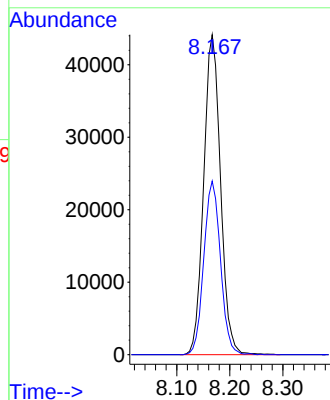
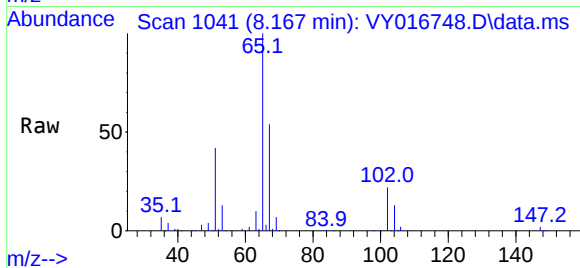
ClientSampleId :

Tgt Ion: 65 Resp: 97440

Ion Ratio Lower Upper

65 100

67 53.7 0.0 109.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.716 min Scan# 1131

Delta R.T. 0.013 min

Lab File: VY016748.D

Acq: 21 Dec 2023 08:18

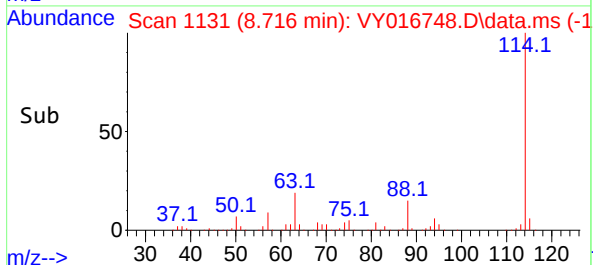
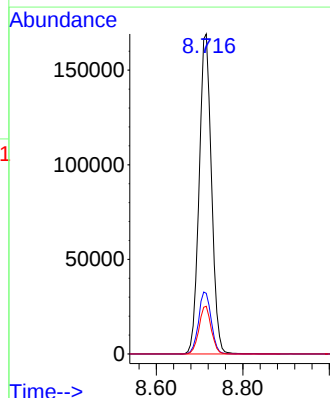
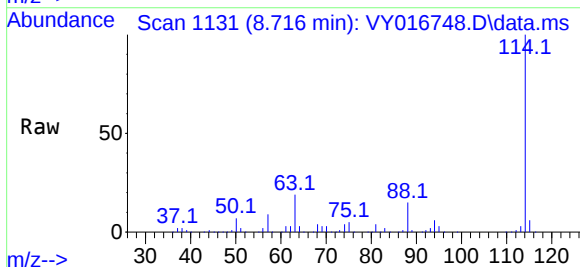
Tgt Ion: 114 Resp: 333774

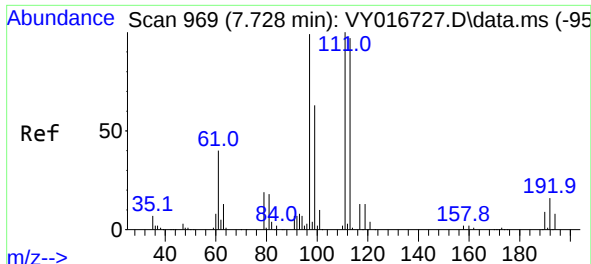
Ion Ratio Lower Upper

114 100

63 18.9 0.0 37.4

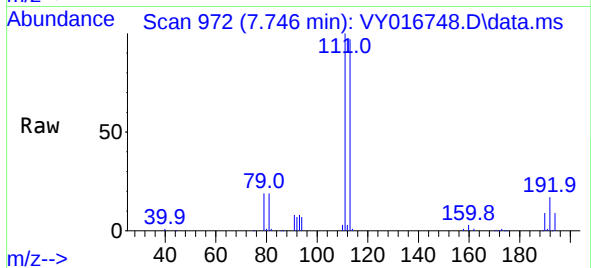
88 14.9 0.0 29.0





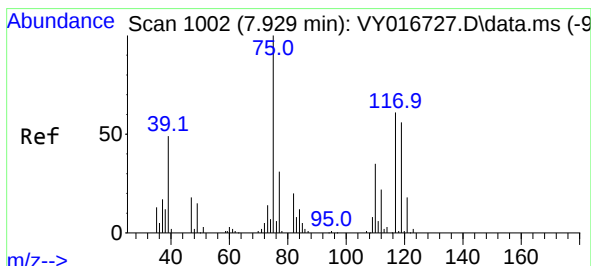
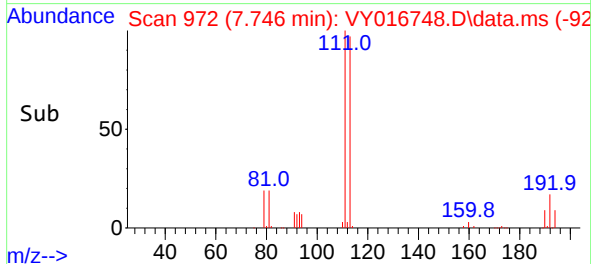
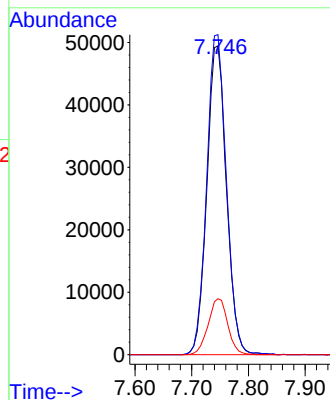
#35
 Dibromofluoromethane
 Concen: 62.079 ug/l
 RT: 7.746 min Scan# 91
 Delta R.T. 0.018 min
 Lab File: VY016748.D
 Acq: 21 Dec 2023 08:18

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:113 Resp: 118691

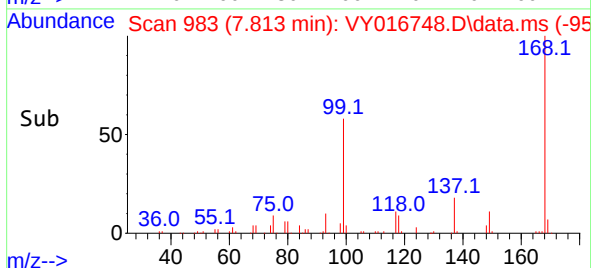
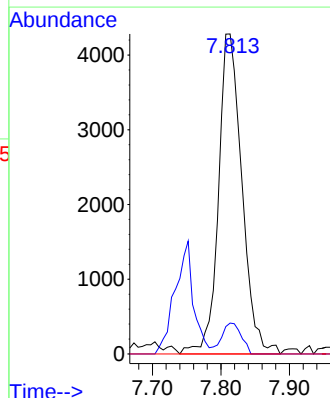
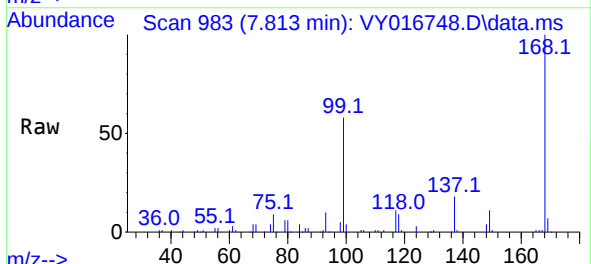
Ion	Ratio	Lower	Upper
113	100		
111	104.3	83.8	125.6
192	18.1	14.5	21.7

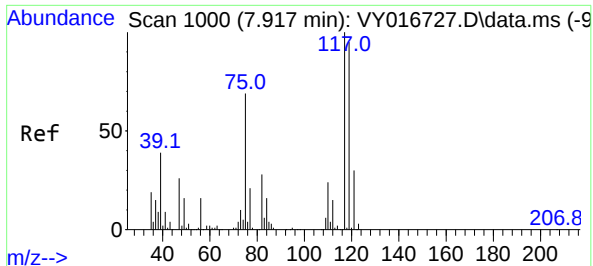


#36
 1,1-Dichloropropene
 Concen: 3.318 ug/l
 RT: 7.813 min Scan# 983
 Delta R.T. -0.116 min
 Lab File: VY016748.D
 Acq: 21 Dec 2023 08:18

Tgt Ion: 75 Resp: 10170

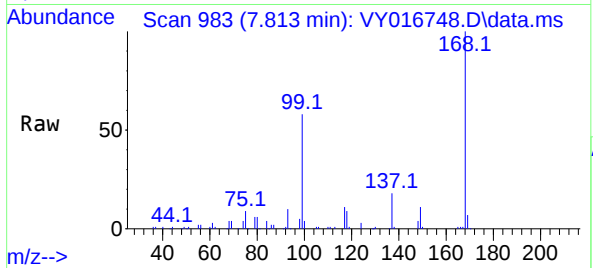
Ion	Ratio	Lower	Upper
75	100		
110	7.8	17.4	52.3#
77	0.0	24.7	37.1#



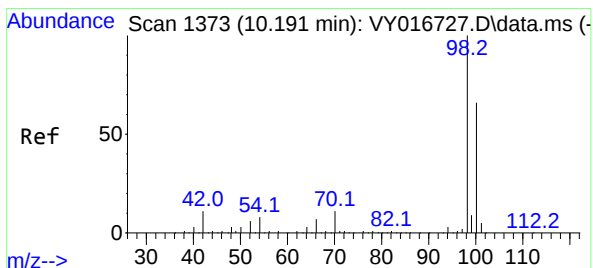
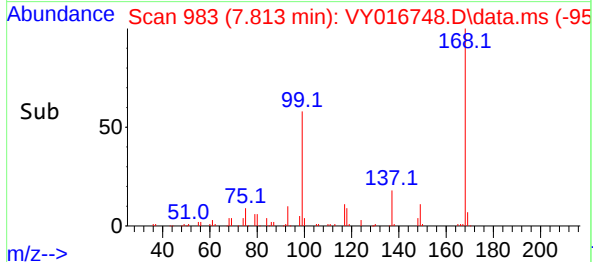
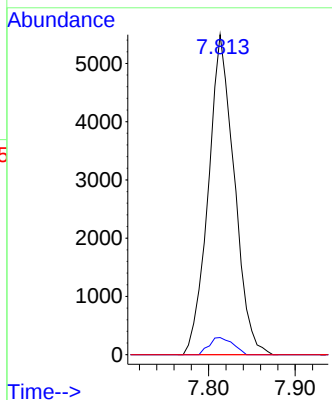


#38
Carbon Tetrachloride
Concen: 3.773 ug/l
RT: 7.813 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY016748.D
Acq: 21 Dec 2023 08:18

Instrument :
MSVOA_Y
ClientSampleId :

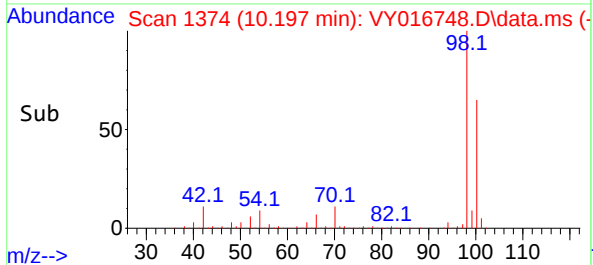
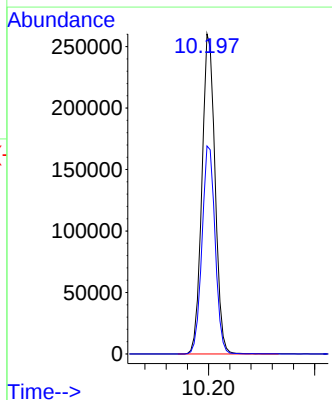
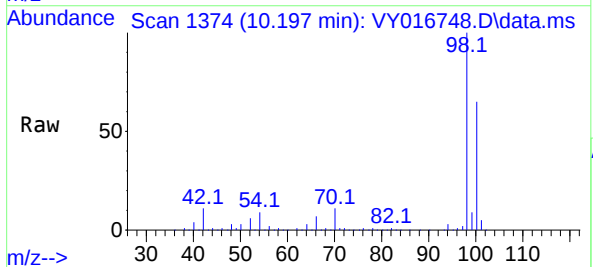


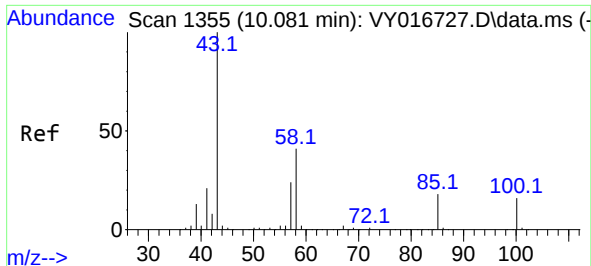
Tgt Ion:117 Resp: 11445
Ion Ratio Lower Upper
117 100
119 5.3 76.0 114.0#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 64.769 ug/l
RT: 10.197 min Scan# 1374
Delta R.T. 0.006 min
Lab File: VY016748.D
Acq: 21 Dec 2023 08:18

Tgt Ion: 98 Resp: 446410
Ion Ratio Lower Upper
98 100
100 65.0 52.3 78.5

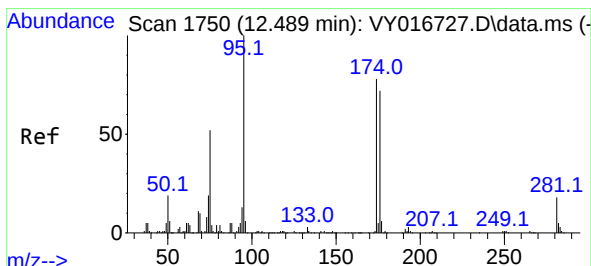
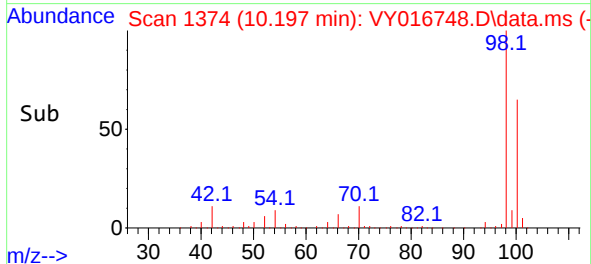
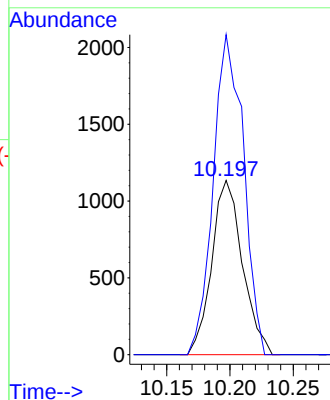
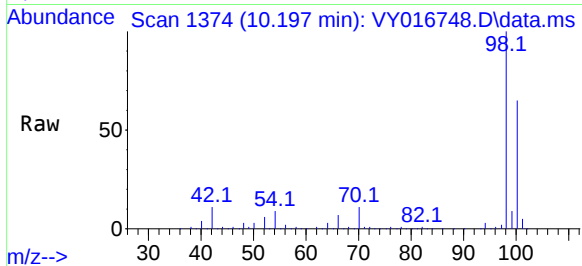




#51
4-Methyl-2-Pentanone
Concen: 1.409 ug/l
RT: 10.197 min Scan# 11
Delta R.T. 0.116 min
Lab File: VY016748.D
Acq: 21 Dec 2023 08:18

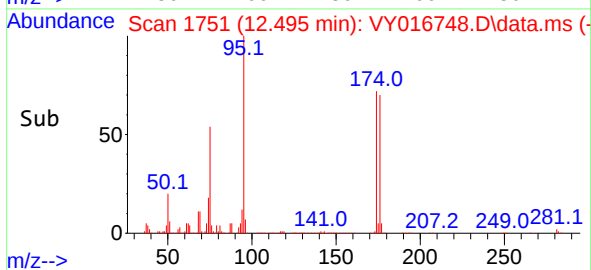
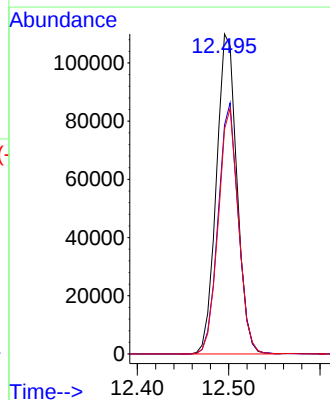
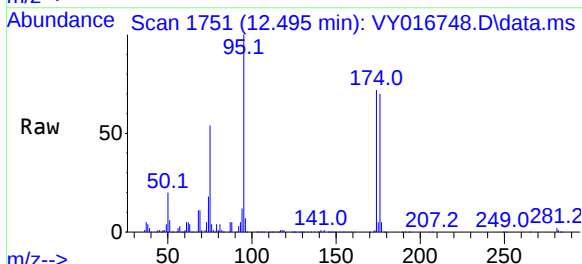
Instrument :
MSVOA_Y
ClientSampleId :

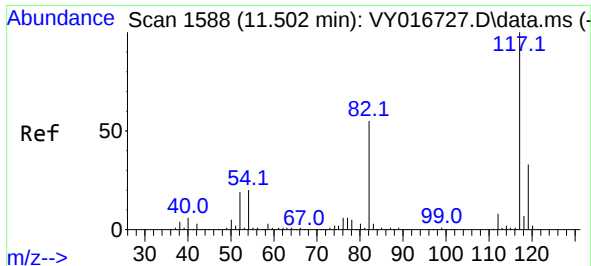
Tgt Ion: 43 Resp: 1916
Ion Ratio Lower Upper
43 100
58 180.9 32.2 48.2#



#62
4-Bromofluorobenzene
Concen: 76.910 ug/l
RT: 12.495 min Scan# 1751
Delta R.T. 0.006 min
Lab File: VY016748.D
Acq: 21 Dec 2023 08:18

Tgt Ion: 95 Resp: 171977
Ion Ratio Lower Upper
95 100
174 76.7 0.0 160.0
176 75.2 0.0 151.8

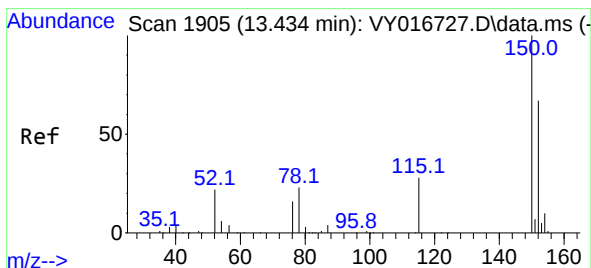
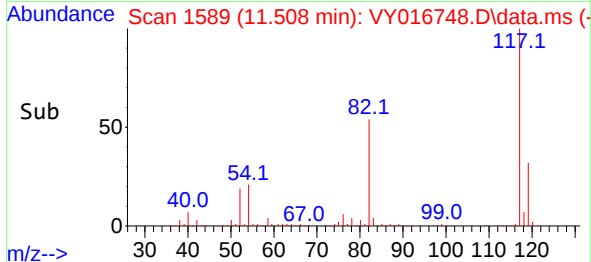
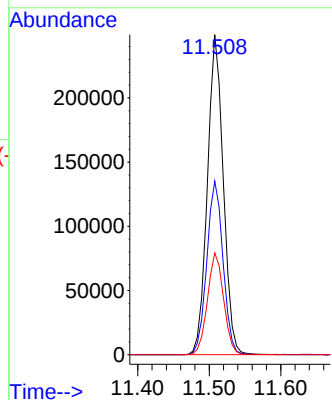
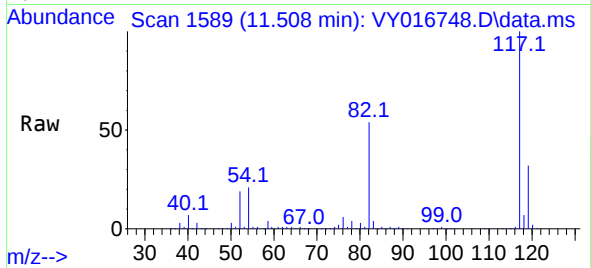




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.508 min Scan# 117
Delta R.T. 0.006 min
Lab File: VY016748.D
Acq: 21 Dec 2023 08:18

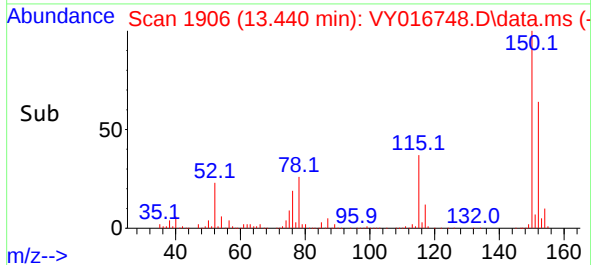
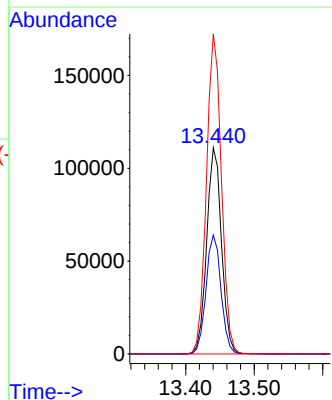
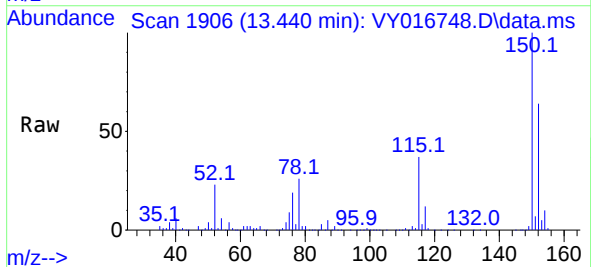
Instrument :
MSVOA_Y
ClientSampleId :

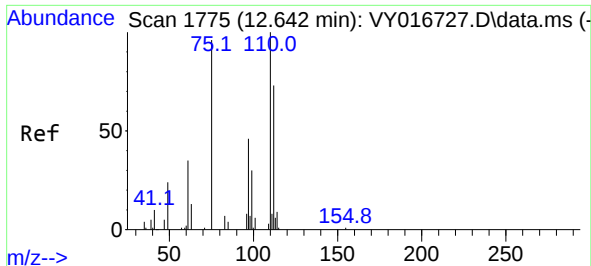
Tgt Ion:117 Resp: 385648
Ion Ratio Lower Upper
117 100
82 54.2 43.8 65.8
119 31.8 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.440 min Scan# 1906
Delta R.T. 0.006 min
Lab File: VY016748.D
Acq: 21 Dec 2023 08:18

Tgt Ion:152 Resp: 167300
Ion Ratio Lower Upper
152 100
115 58.4 30.0 90.0
150 156.5 0.0 344.6

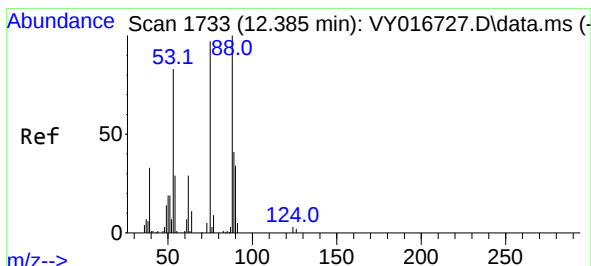
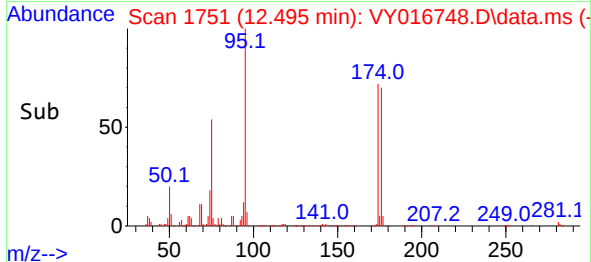
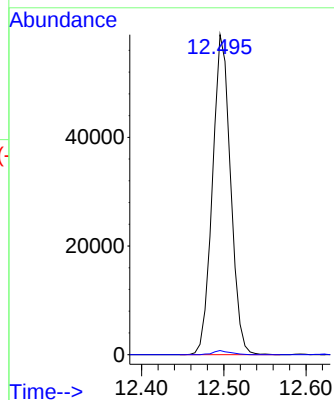
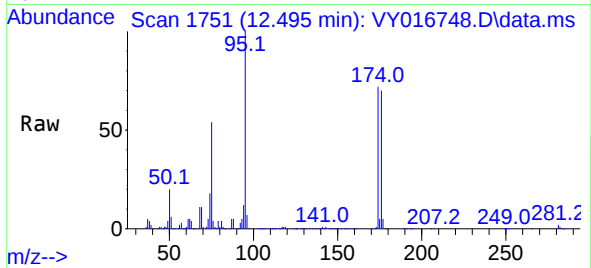




#76
1,2,3-Trichloropropane
Concen: 48.714 ug/l
RT: 12.495 min Scan# 1751
Delta R.T. -0.146 min
Lab File: VY016748.D
Acq: 21 Dec 2023 08:18

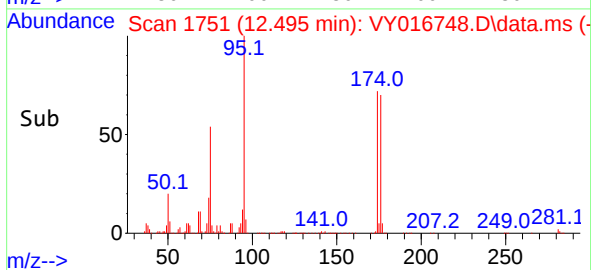
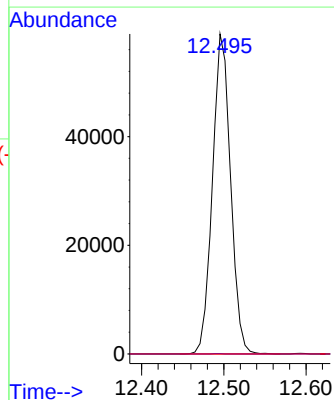
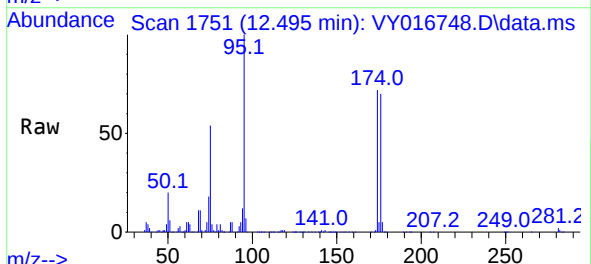
Instrument :
MSVOA_Y
ClientSampleId :

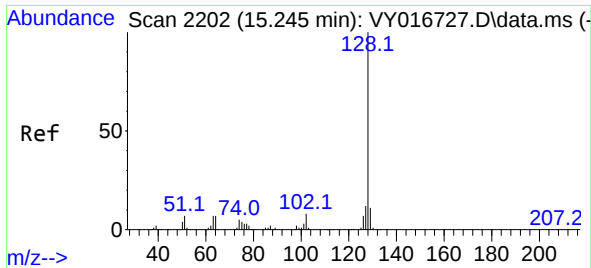
Tgt Ion: 75 Resp: 90092
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 114.401 ug/l
RT: 12.495 min Scan# 1751
Delta R.T. 0.110 min
Lab File: VY016748.D
Acq: 21 Dec 2023 08:18

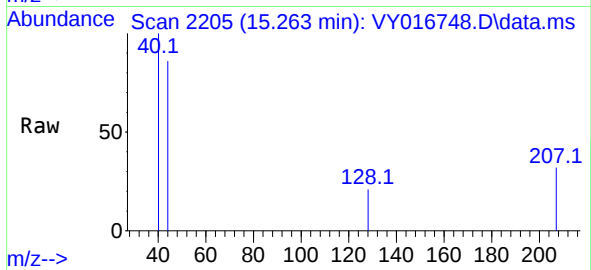
Tgt Ion: 75 Resp: 90092
Ion Ratio Lower Upper
75 100
53 0.0 74.0 111.0#
89 0.0 36.5 54.7#





#95
Naphthalene
Concen: 3.609 ug/l
RT: 15.263 min Scan# 21
Delta R.T. 0.018 min
Lab File: VY016748.D
Acq: 21 Dec 2023 08:18

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:	128	Resp:	88
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.2	15.4#
129	0.0	8.6	12.8#

