

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY113022\
 Data File : VY011643.D
 Acq On : 30 Nov 2022 16:02
 Operator : KP/MD
 Sample : N5819-02
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 S2

Quant Time: Dec 01 05:24:39 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111822S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 19 22:37:14 2022
 Response via : Initial Calibration

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

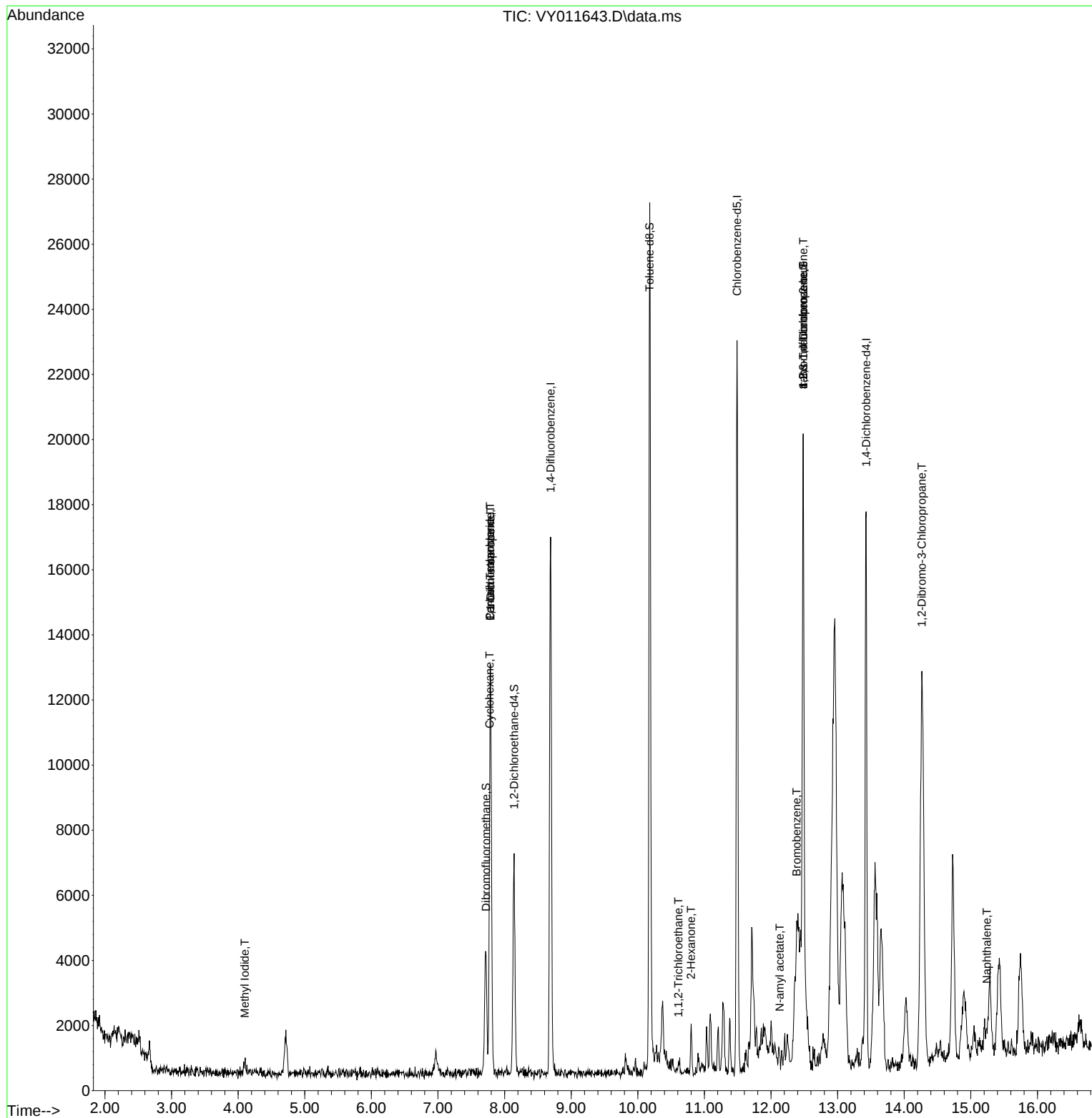
Internal Standards						
1) Pentafluorobenzene	7.783	168	9672	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.691	114	14857	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	12457	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	4968	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	5273	53.692	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.380%			
35) Dibromofluoromethane	7.722	113	3067	33.534	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 67.060%			
50) Toluene-d8	10.179	98	17410	52.384	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 104.760%			
62) 4-Bromofluorobenzene	12.483	95	4783	38.924	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 77.840%			
Target Compounds					Qvalue	
3) Chloromethane	2.113	50	97	Below Cal	#	44
5) Bromomethane	2.674	94	190	Below Cal		96
10) Methyl Iodide	4.101	142	597	5.522	ug/l #	58
20) Methylene Chloride	4.716	84	853	Below Cal	#	87
31) Cyclohexane	7.777	56	169	1.038	ug/l #	72
36) 1,1-Dichloropropene	7.789	75	866	6.058	ug/l #	42
38) Carbon Tetrachloride	7.783	117	880	5.502	ug/l #	11
55) 1,1,2-Trichloroethane	10.612	97	120	1.409	ug/l #	15
59) 2-Hexanone	10.801	43	522	8.959	ug/l #	28
74) N-amyl acetate	12.130	43	142	1.600	ug/l #	33
76) 1,2,3-Trichloropropane	12.483	75	2567	47.980	ug/l #	100
77) Bromobenzene	12.386	156	2182	26.008	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.483	75	2567	105.091	ug/l #	8
92) 1,2-Dibromo-3-Chloropr...	14.263	75	1386	119.368	ug/l #	6
95) Naphthalene	15.239	128	211	5.122	ug/l #	69

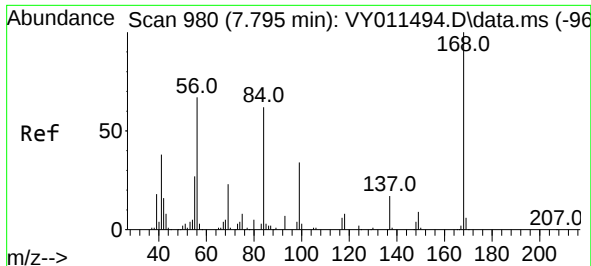
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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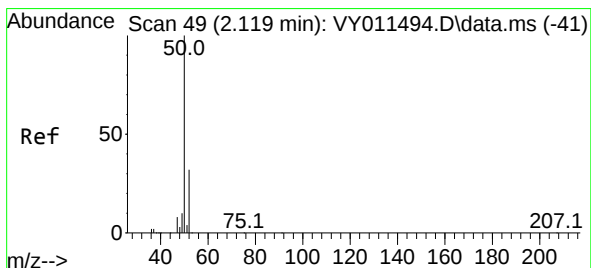
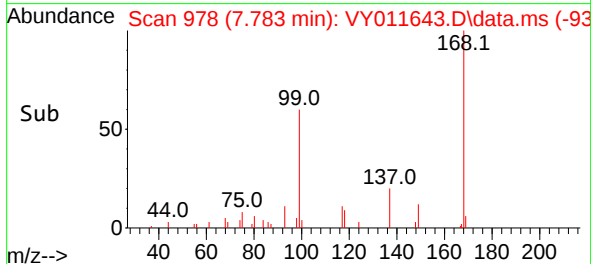
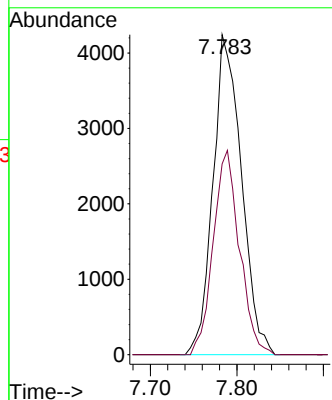
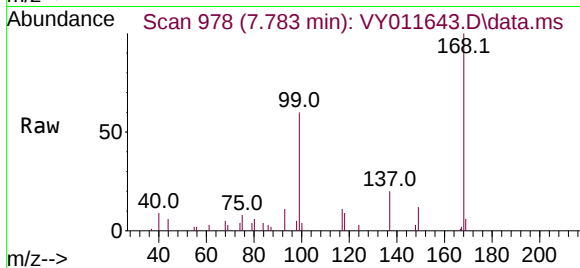




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY011643.D
Acq: 30 Nov 2022 16:02

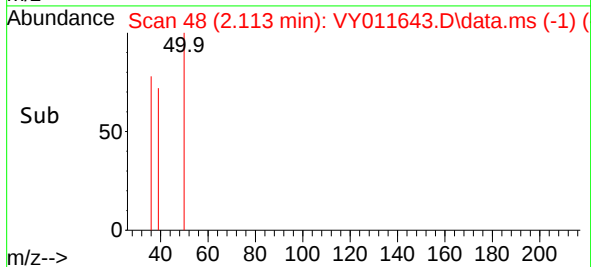
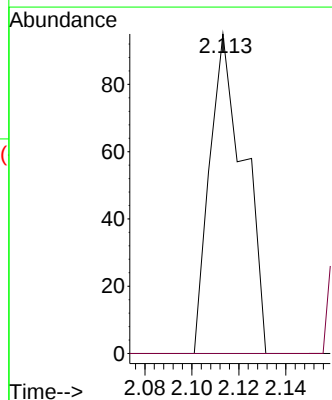
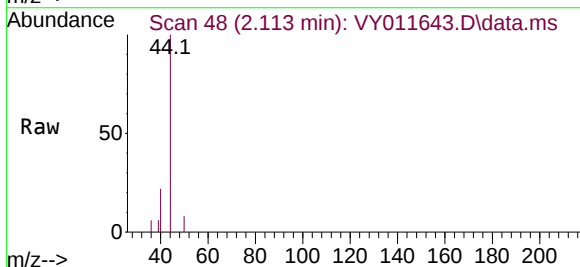
Instrument :
MSVOA_Y
ClientSampleId :
S2

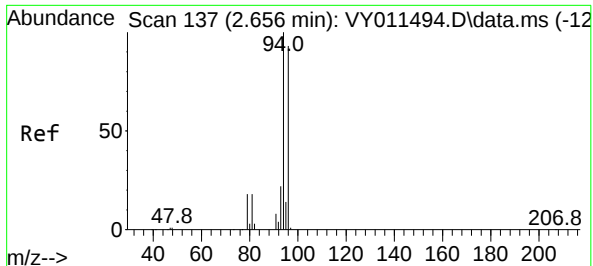
Tgt Ion:168 Resp: 9672
Ion Ratio Lower Upper
168 100
99 59.6 46.9 70.3



#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. -0.006 min
Lab File: VY011643.D
Acq: 30 Nov 2022 16:02

Tgt Ion: 50 Resp: 97
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#

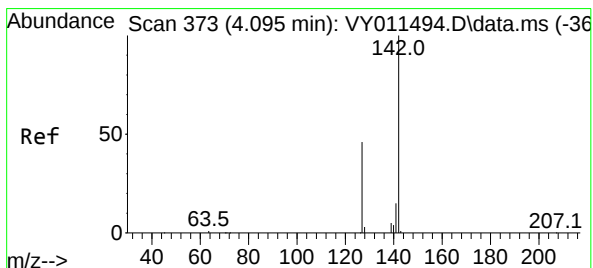
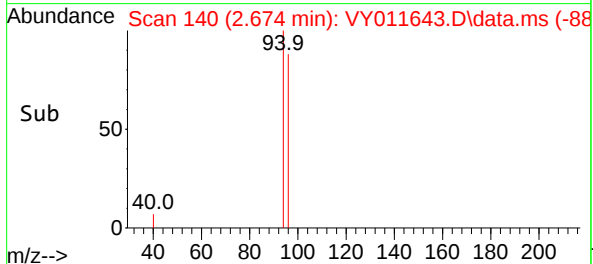
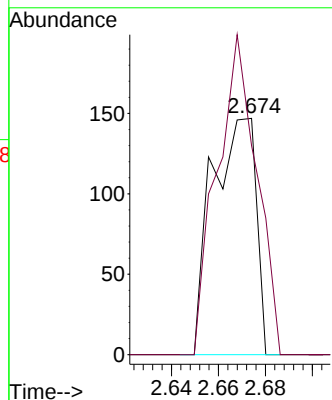
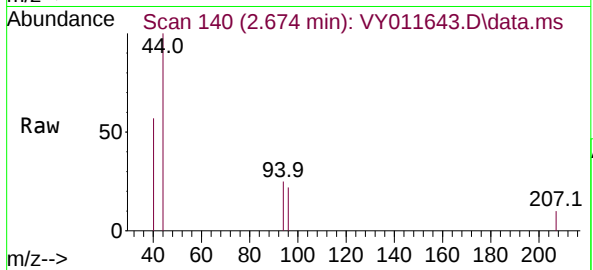




#5
Bromomethane
Concen: Below Cal
RT: 2.674 min Scan# 14
Delta R.T. 0.018 min
Lab File: VY011643.D
Acq: 30 Nov 2022 16:02

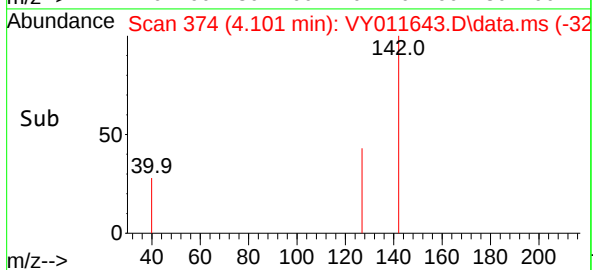
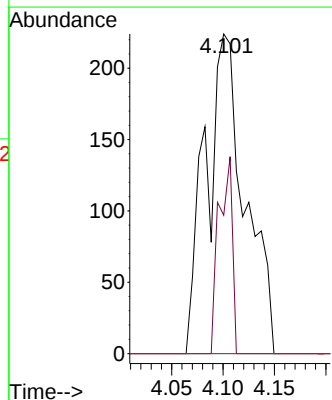
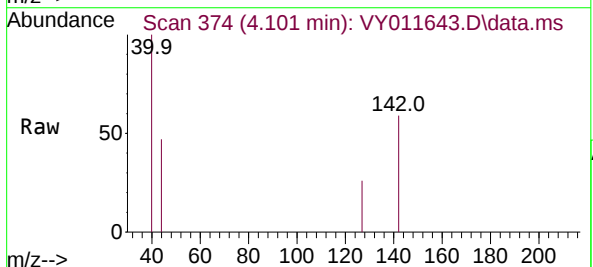
Instrument :
MSVOA_Y
ClientSampleId :
S2

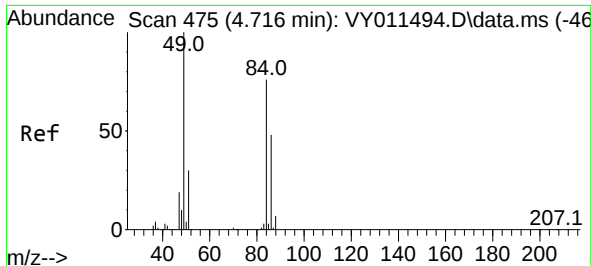
Tgt Ion: 94 Resp: 190
Ion Ratio Lower Upper
94 100
96 88.4 73.5 110.3



#10
Methyl Iodide
Concen: 5.522 ug/l
RT: 4.101 min Scan# 374
Delta R.T. 0.006 min
Lab File: VY011643.D
Acq: 30 Nov 2022 16:02

Tgt Ion:142 Resp: 597
Ion Ratio Lower Upper
142 100
127 20.9 41.5 62.3#
141 0.0 11.9 17.9#

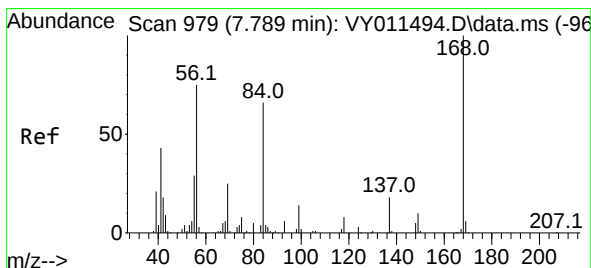
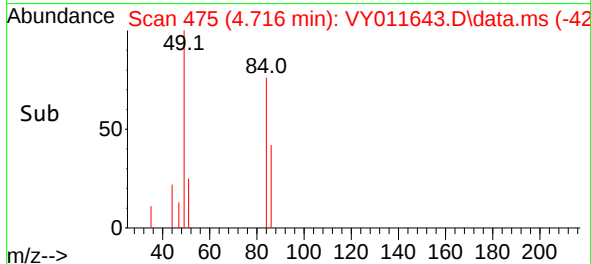
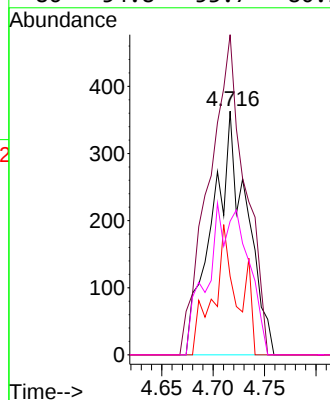
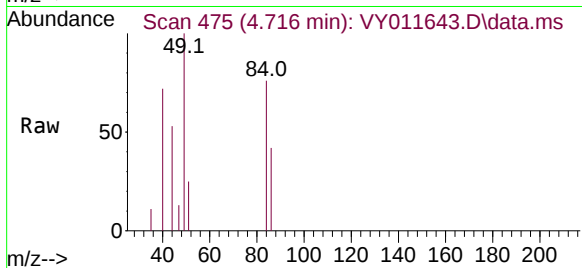




#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY011643.D
Acq: 30 Nov 2022 16:02

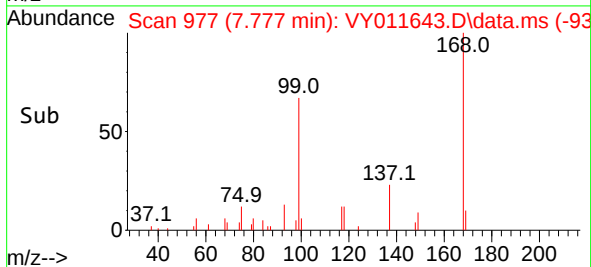
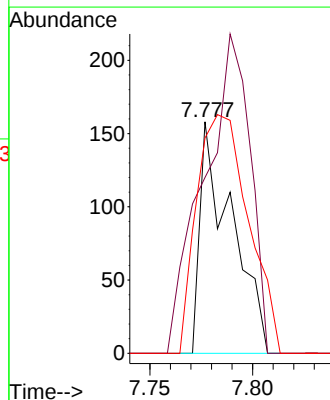
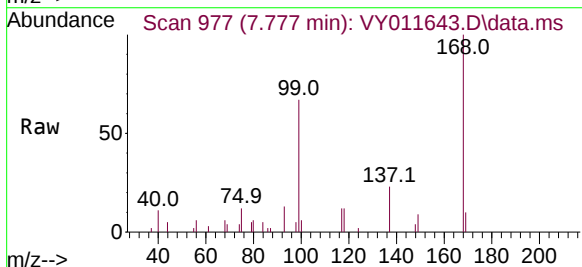
Instrument :
MSVOA_Y
ClientSampleId :
S2

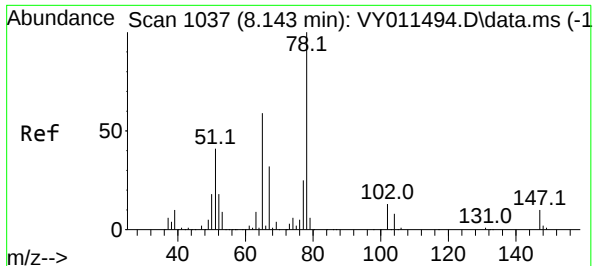
Tgt Ion:	84	Resp:	853
Ion	Ratio	Lower	Upper
84	100		
49	131.4	114.4	171.6
51	32.2	35.3	52.9#
86	54.8	53.7	80.5



#31
Cyclohexane
Concen: 1.038 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.012 min
Lab File: VY011643.D
Acq: 30 Nov 2022 16:02

Tgt Ion:	56	Resp:	169
Ion	Ratio	Lower	Upper
56	100		
69	75.9	26.7	40.1#
84	93.0	67.2	100.8





#33

1,2-Dichloroethane-d4

Concen: 53.692 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. -0.000 min

Lab File: VY011643.D

Acq: 30 Nov 2022 16:02

Instrument :

MSVOA_Y

ClientSampleId :

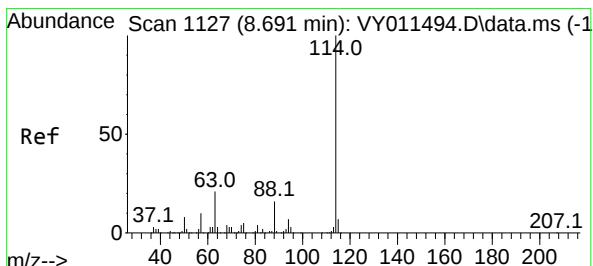
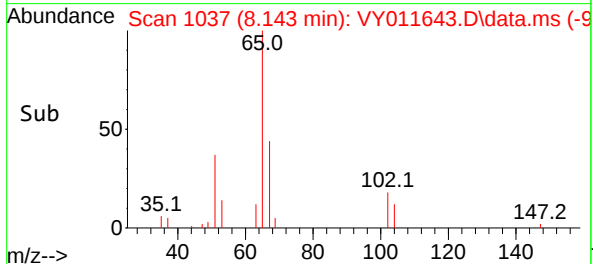
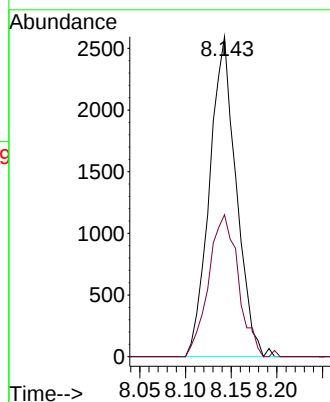
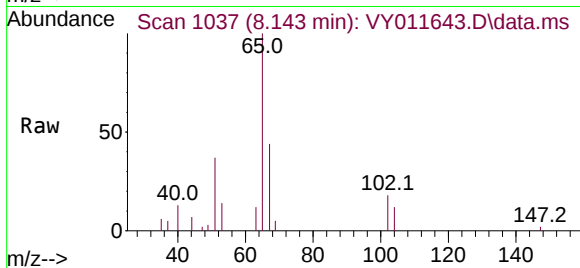
S2

Tgt Ion: 65 Resp: 5273

Ion Ratio Lower Upper

65 100

67 49.2 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY011643.D

Acq: 30 Nov 2022 16:02

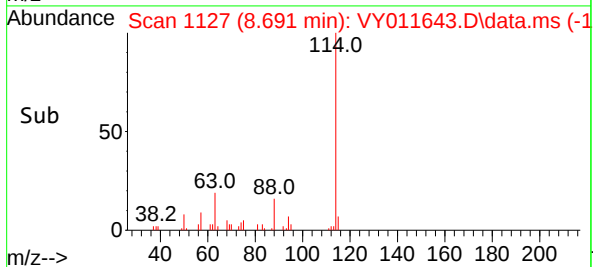
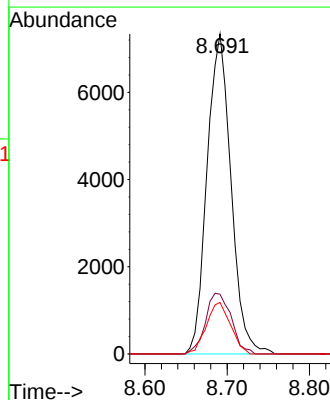
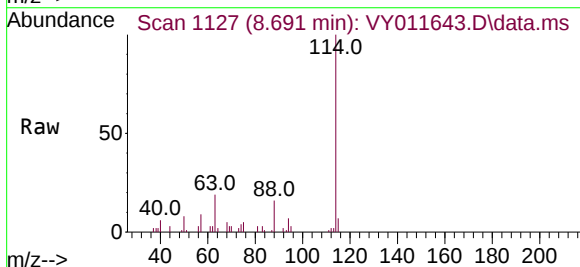
Tgt Ion: 114 Resp: 14857

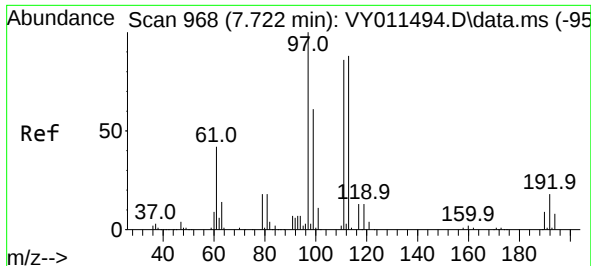
Ion Ratio Lower Upper

114 100

63 18.6 0.0 43.2

88 16.1 0.0 31.8





#35

Dibromofluoromethane

Concen: 33.534 ug/l

RT: 7.722 min Scan# 9

Delta R.T. -0.000 min

Lab File: VY011643.D

Acq: 30 Nov 2022 16:02

Instrument :

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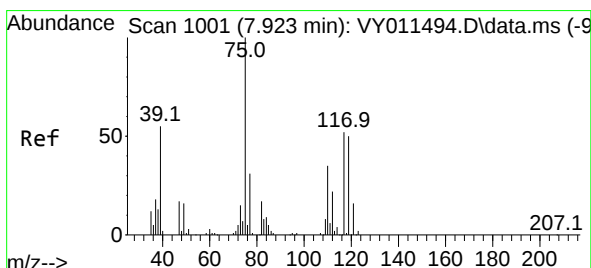
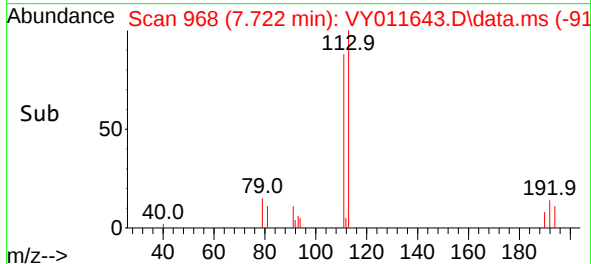
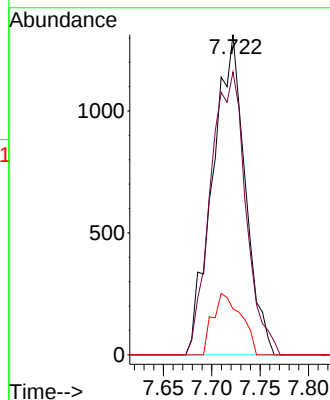
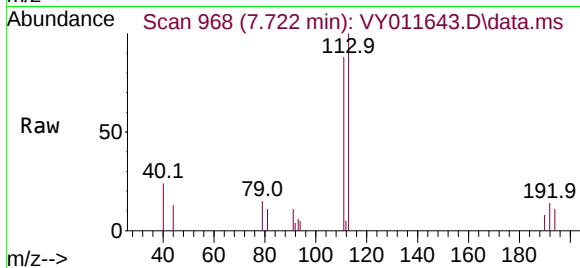
Tgt Ion:113 Resp: 3067

Ion Ratio Lower Upper

113 100

111 95.7 82.6 124.0

192 16.7 17.6 26.4#



#36

1,1-Dichloropropene

Concen: 6.058 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.134 min

Lab File: VY011643.D

Acq: 30 Nov 2022 16:02

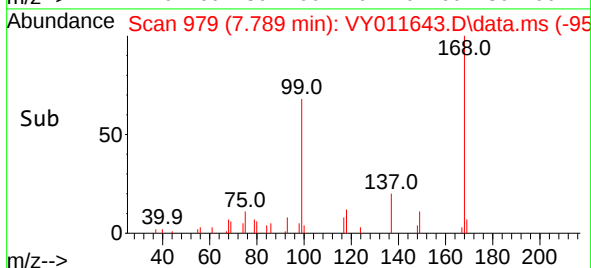
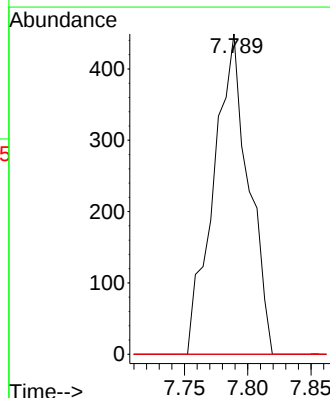
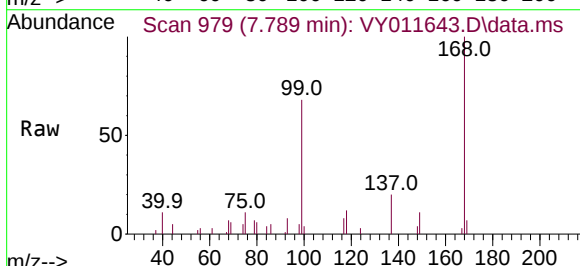
Tgt Ion: 75 Resp: 866

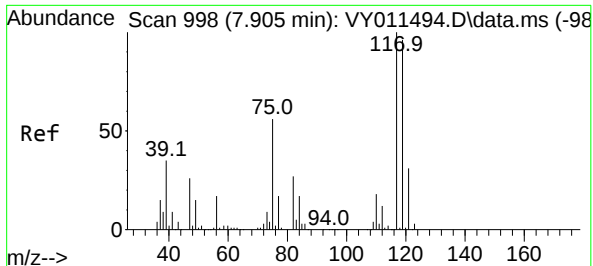
Ion Ratio Lower Upper

75 100

110 0.0 17.1 51.2#

77 0.0 24.4 36.6#

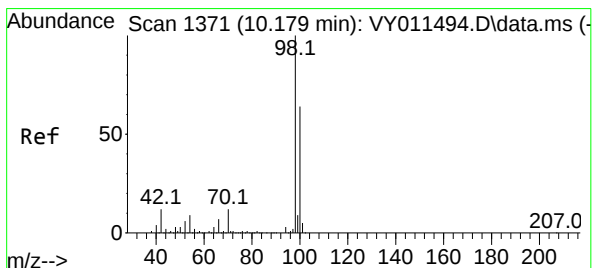
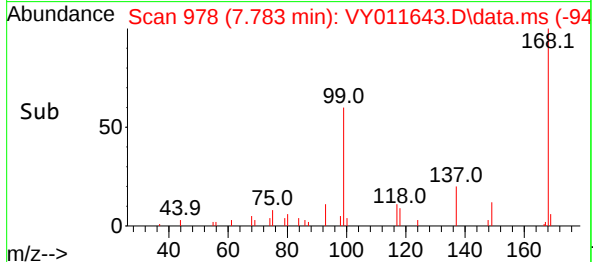
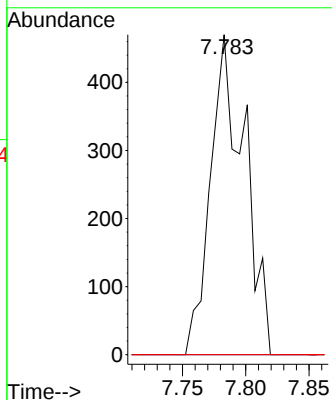
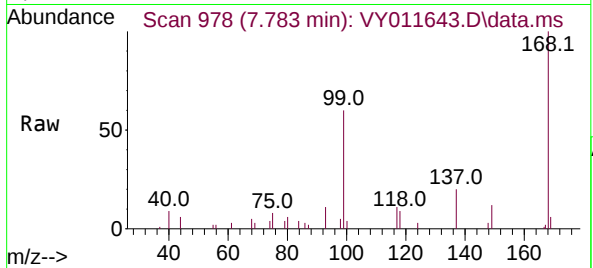




#38
Carbon Tetrachloride
Concen: 5.502 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY011643.D
Acq: 30 Nov 2022 16:02

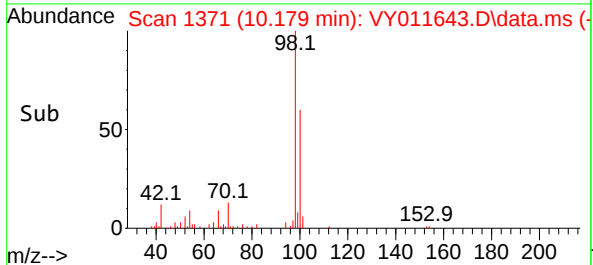
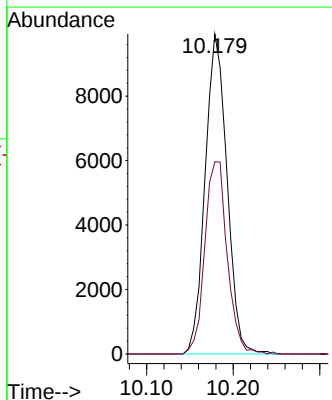
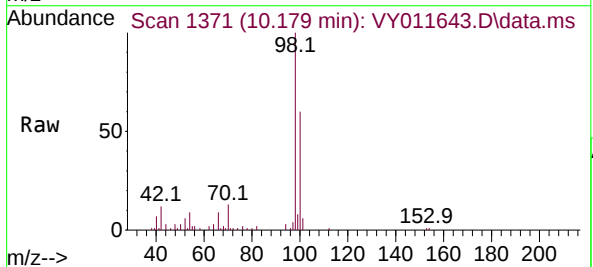
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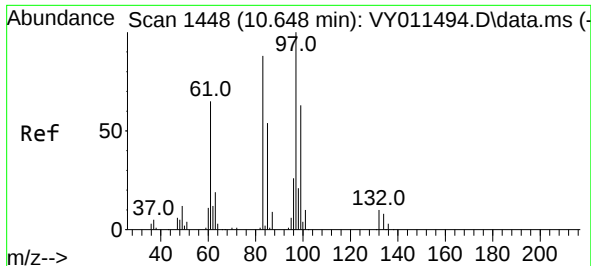
Tgt Ion:117 Resp: 880
Ion Ratio Lower Upper
117 100
119 0.0 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 52.384 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011643.D
Acq: 30 Nov 2022 16:02

Tgt Ion: 98 Resp: 17410
Ion Ratio Lower Upper
98 100
100 61.8 50.2 75.2

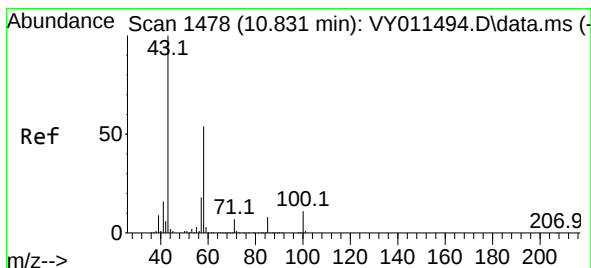
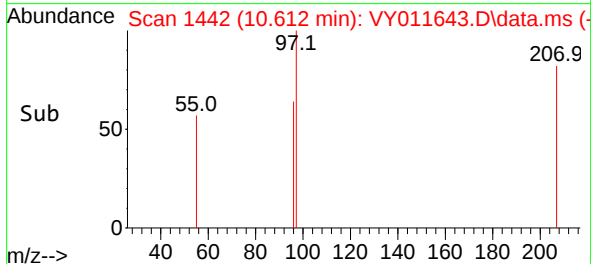
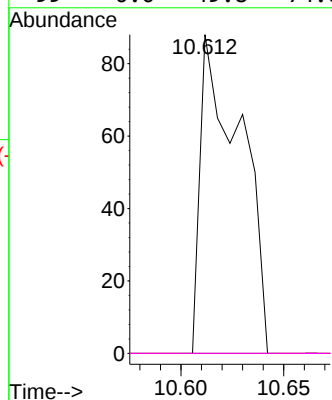
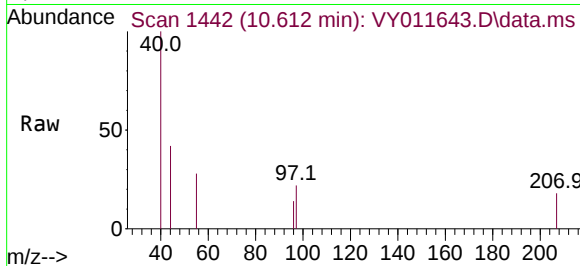




#55
1,1,2-Trichloroethane
Concen: 1.409 ug/l
RT: 10.612 min Scan# 1442
Delta R.T. -0.036 min
Lab File: VY011643.D
Acq: 30 Nov 2022 16:02

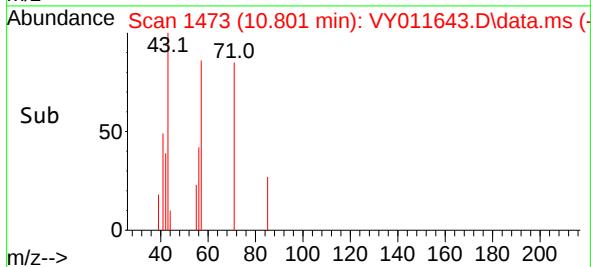
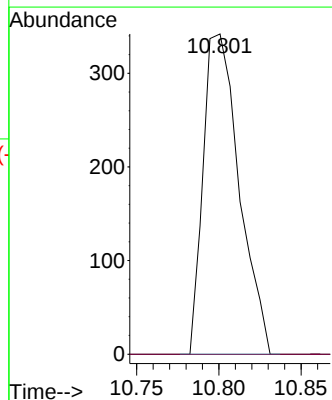
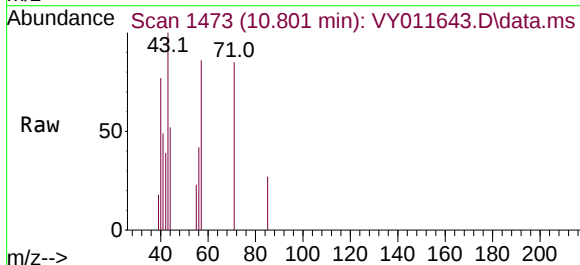
Instrument :
MSVOA_Y
ClientSampleId :
S2

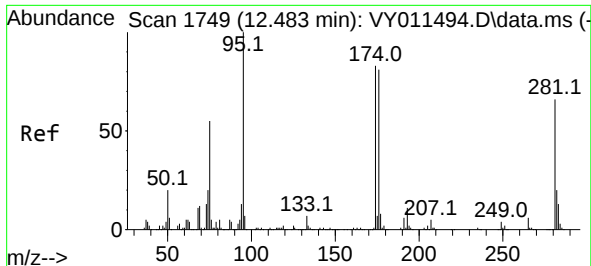
Tgt Ion:	97	Resp:	120
Ion	Ratio	Lower	Upper
97	100		
83	0.0	69.8	104.8#
85	0.0	44.3	66.5#
99	0.0	49.8	74.6#



#59
2-Hexanone
Concen: 8.959 ug/l
RT: 10.801 min Scan# 1473
Delta R.T. -0.030 min
Lab File: VY011643.D
Acq: 30 Nov 2022 16:02

Tgt Ion:	43	Resp:	522
Ion	Ratio	Lower	Upper
43	100		
58	0.0	24.4	73.4#

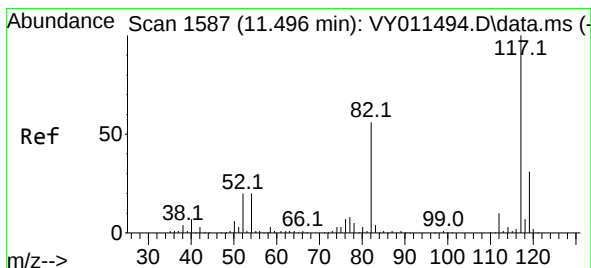
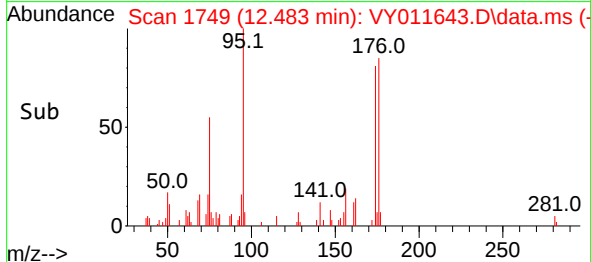
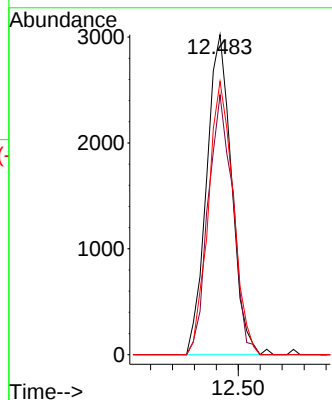
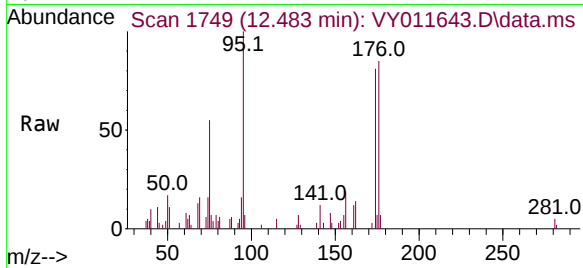




#62
4-Bromofluorobenzene
Concen: 38.924 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY011643.D
Acq: 30 Nov 2022 16:02

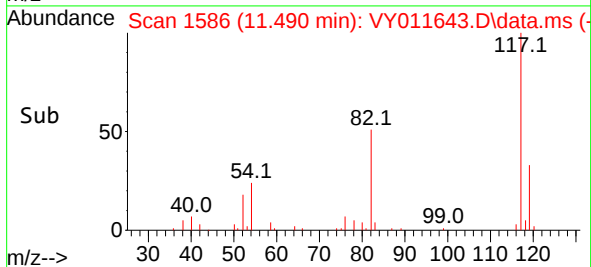
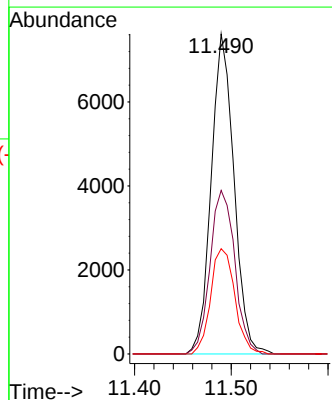
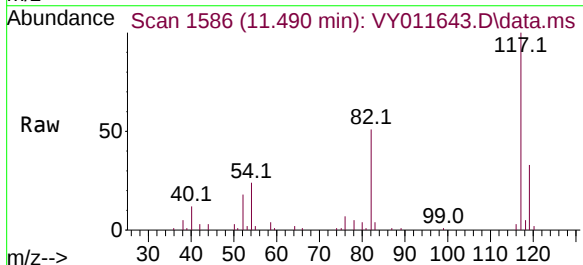
Instrument :
MSVOA_Y
ClientSampleId :
S2

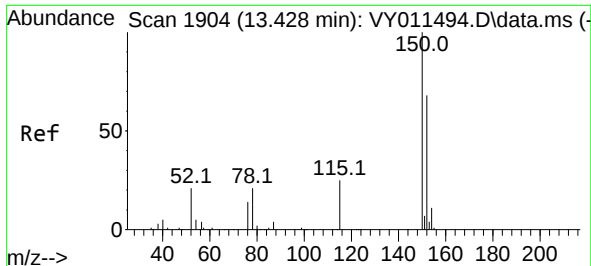
Tgt Ion: 95 Resp: 4783
Ion Ratio Lower Upper
95 100
174 80.2 0.0 177.0
176 85.4 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.006 min
Lab File: VY011643.D
Acq: 30 Nov 2022 16:02

Tgt Ion: 117 Resp: 12457
Ion Ratio Lower Upper
117 100
82 51.1 43.0 64.4
119 32.9 25.4 38.0

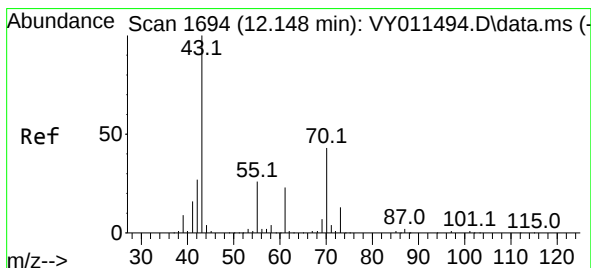
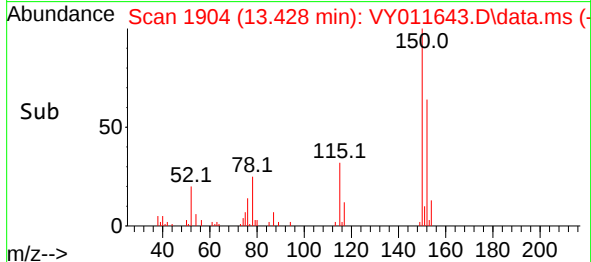
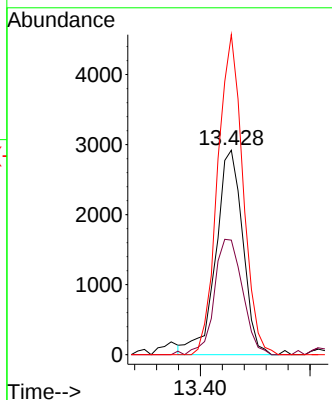
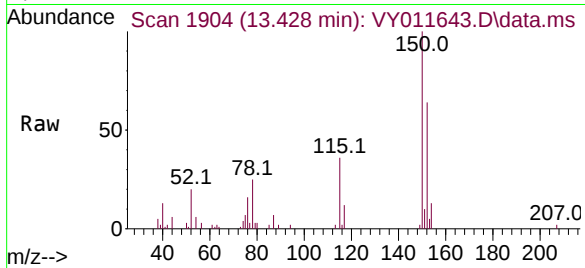




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY011643.D
Acq: 30 Nov 2022 16:02

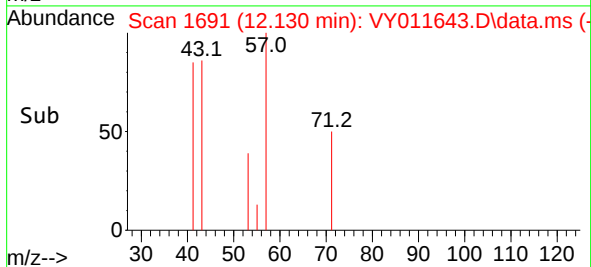
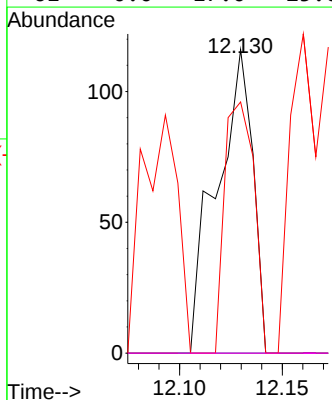
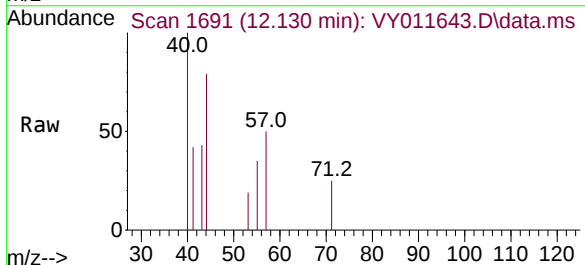
Instrument :
MSVOA_Y
ClientSampleId :
S2

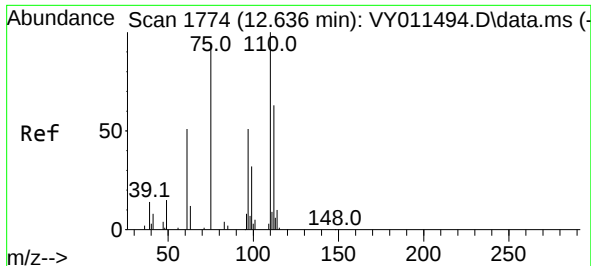
Tgt Ion:152 Resp: 4968
Ion Ratio Lower Upper
152 100
115 59.5 28.2 84.7
150 147.4 0.0 347.6



#74
N-ethyl acetate
Concen: 1.600 ug/l
RT: 12.130 min Scan# 1691
Delta R.T. -0.018 min
Lab File: VY011643.D
Acq: 30 Nov 2022 16:02

Tgt Ion: 43 Resp: 142
Ion Ratio Lower Upper
43 100
70 0.0 28.7 43.1#
55 67.6 17.3 25.9#
61 0.0 17.0 25.6#

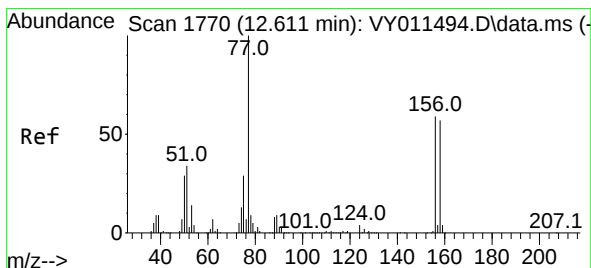
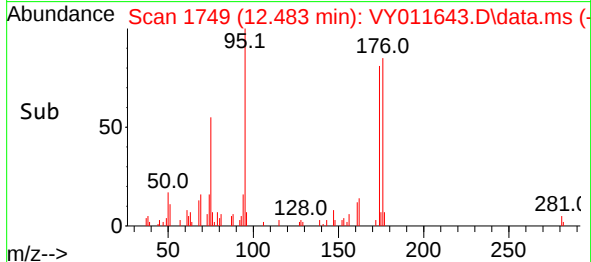
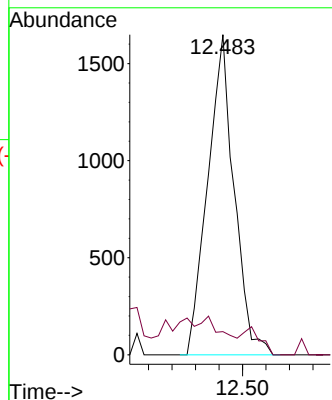
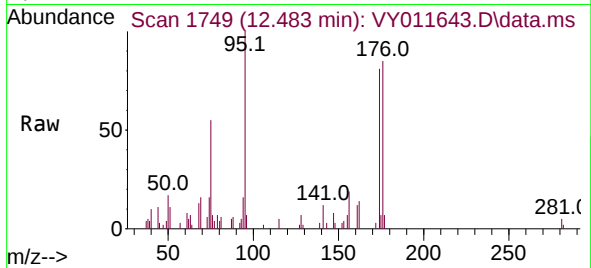




#76
1,2,3-Trichloropropane
Concen: 47.980 ug/l
RT: 12.483 min Scan# 1733
Delta R.T. -0.153 min
Lab File: VY011643.D
Acq: 30 Nov 2022 16:02

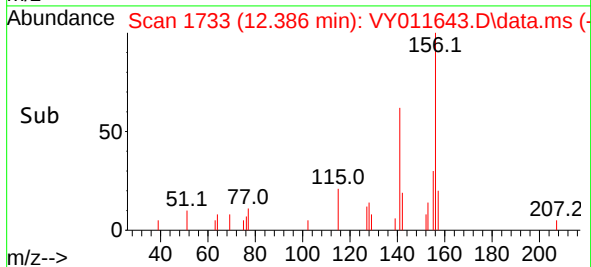
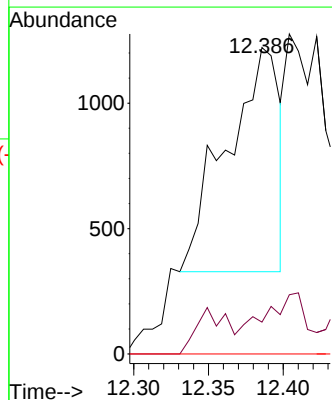
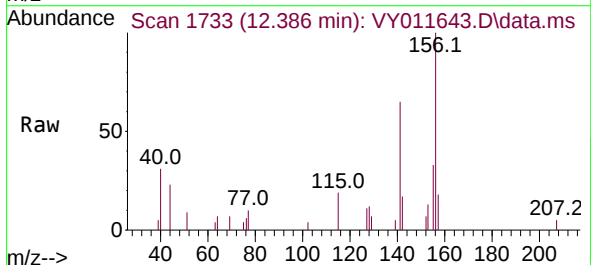
Instrument :
MSVOA_Y
ClientSampleId :
S2

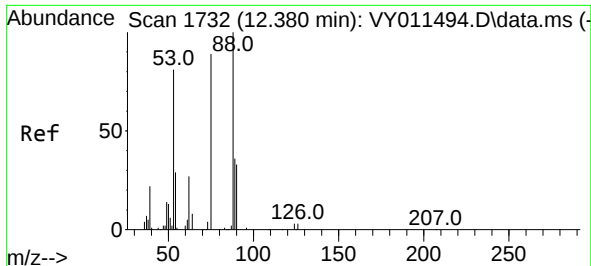
Tgt Ion: 75 Resp: 2567
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#77
Bromobenzene
Concen: 26.008 ug/l
RT: 12.386 min Scan# 1733
Delta R.T. -0.225 min
Lab File: VY011643.D
Acq: 30 Nov 2022 16:02

Tgt Ion: 156 Resp: 2182
Ion Ratio Lower Upper
156 100
77 0.0 95.5 286.4#
158 0.0 48.0 144.0#

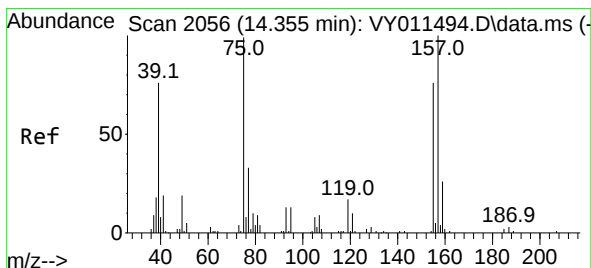
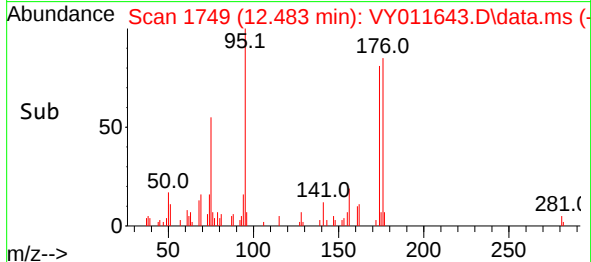
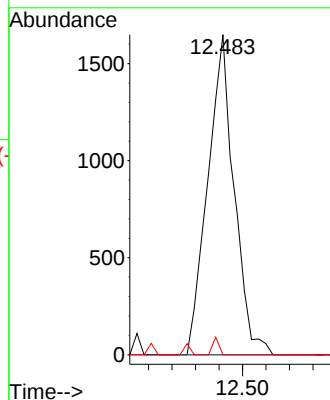
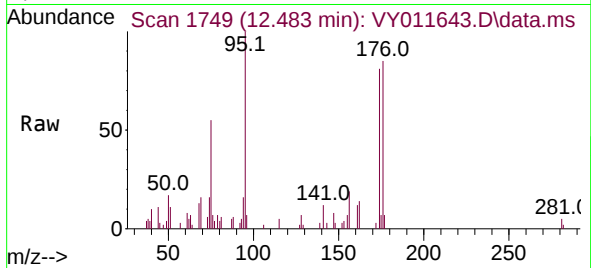




#81
trans-1,4-Dichloro-2-butene
Concen: 105.091 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.103 min
Lab File: VY011643.D
Acq: 30 Nov 2022 16:02

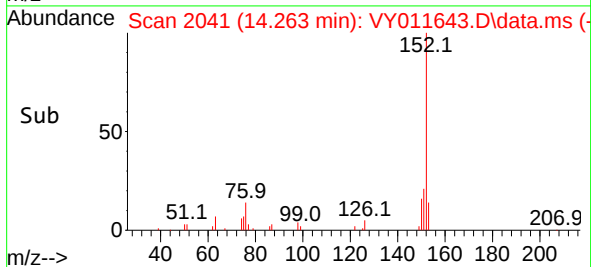
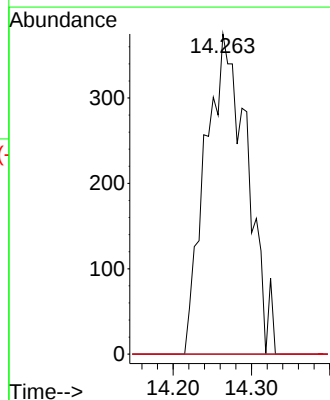
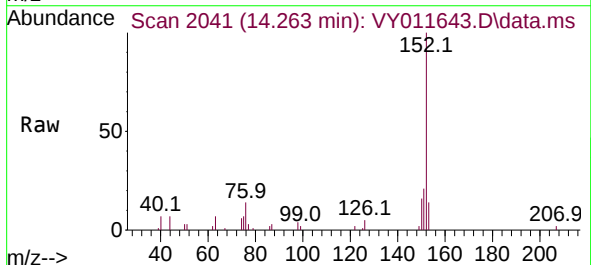
Instrument :
MSVOA_Y
ClientSampleId :
S2

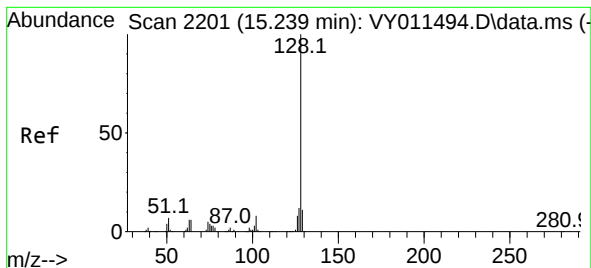
Tgt Ion: 75 Resp: 2567
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 1.3 37.0 55.4#



#92
1,2-Dibromo-3-Chloropropane
Concen: 119.368 ug/l
RT: 14.263 min Scan# 2041
Delta R.T. -0.092 min
Lab File: VY011643.D
Acq: 30 Nov 2022 16:02

Tgt Ion: 75 Resp: 1386
Ion Ratio Lower Upper
75 100
155 0.0 38.0 113.9#
157 0.0 47.8 143.3#





#95

Naphthalene

Concen: 5.122 ug/l

RT: 15.239 min Scan# 211

Delta R.T. -0.000 min

Lab File: VY011643.D

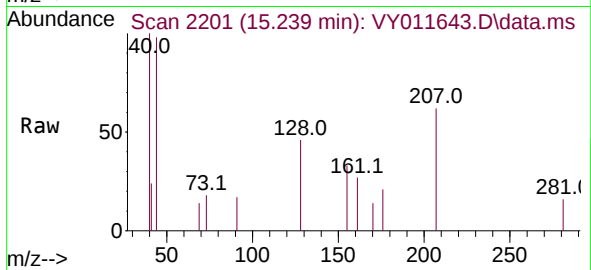
Acq: 30 Nov 2022 16:02

Instrument :

MSVOA_Y

ClientSampleId :

S2



Tgt Ion:	128	Resp:	211
Ion	Ratio	Lower	Upper
128	100		
127	0.0	11.0	16.4#
129	0.0	8.4	12.6#

