

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120522\
 Data File : VY011694.D
 Acq On : 05 Dec 2022 14:19
 Operator : KP/MD
 Sample : N5870-05
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ML-5

Quant Time: Dec 06 00:36:33 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)

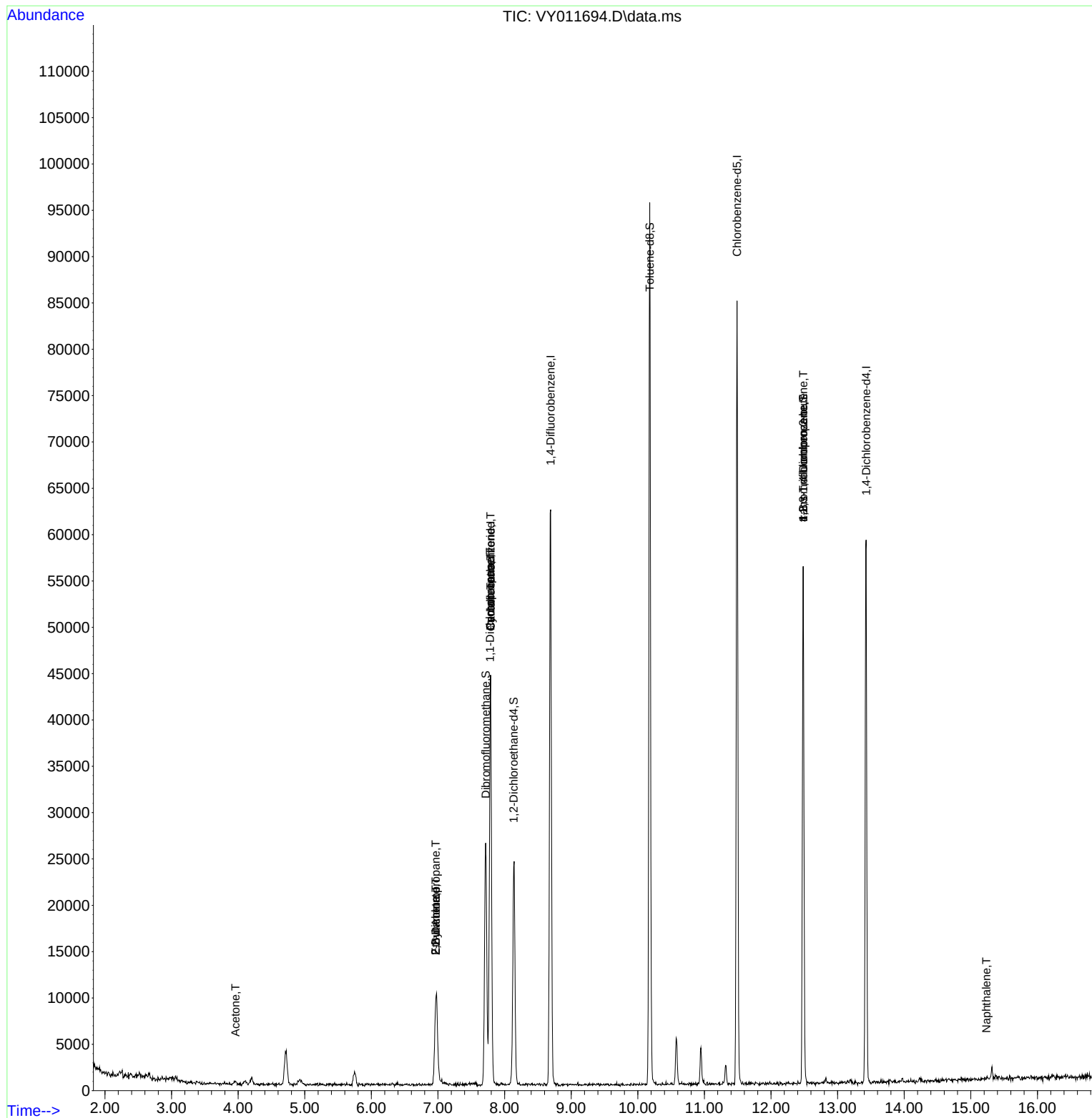
Internal Standards						
1) Pentafluorobenzene	7.789	168	32917	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	53287	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	45542	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	15812	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	19033	56.944	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 113.880%	
35) Dibromofluoromethane	7.716	113	18822	57.379	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 114.760%	
50) Toluene-d8	10.179	98	62987	52.840	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 105.680%	
62) 4-Bromofluorobenzene	12.483	95	15755	35.747	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 71.500%	
Target Compounds						Qvalue
3) Chloromethane	2.119	50	195	Below Cal	#	44
5) Bromomethane	2.668	94	204	Below Cal	#	33
11) Tert butyl alcohol	4.923	59	534	Below Cal	#	77
16) Acetone	3.960	43	542	4.992 ug/l	#	85
18) Methyl Acetate	4.241	43	19	Below Cal	#	56
20) Methylene Chloride	4.716	84	2955	Below Cal	#	77
25) 2-Butanone	6.966	43	561	3.932 ug/l	#	54
26) 2,2-Dichloropropane	6.966	77	694	1.155 ug/l	#	55
31) Cyclohexane	7.789	56	847	1.529 ug/l	#	17
36) 1,1-Dichloropropene	7.783	75	2770	5.402 ug/l	#	49
37) Ethyl Acetate	6.966	43	561	1.921 ug/l	#	1
38) Carbon Tetrachloride	7.789	117	3375	5.883 ug/l	#	16
76) 1,2,3-Trichloropropane	12.483	75	8322	48.871 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.483	75	8322	107.044 ug/l	#	7
95) Naphthalene	15.233	128	132	4.237 ug/l	#	69

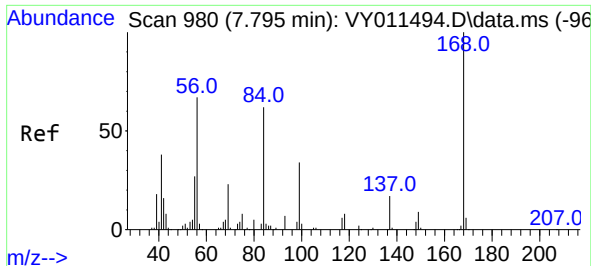
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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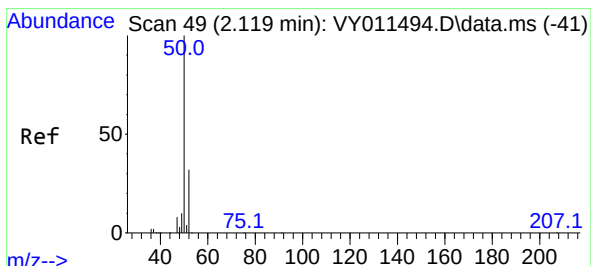
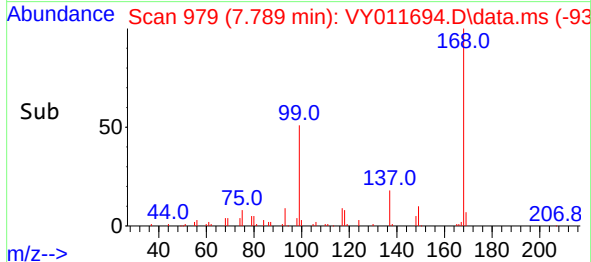
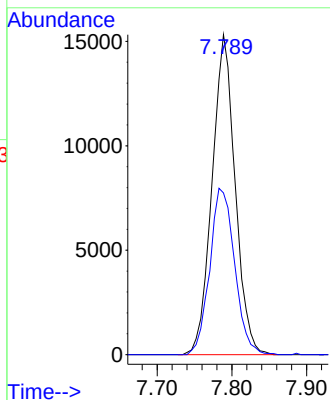
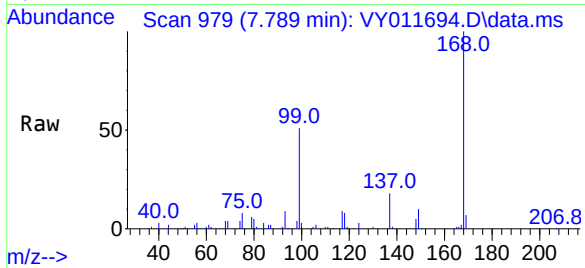




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY011694.D
Acq: 05 Dec 2022 14:19

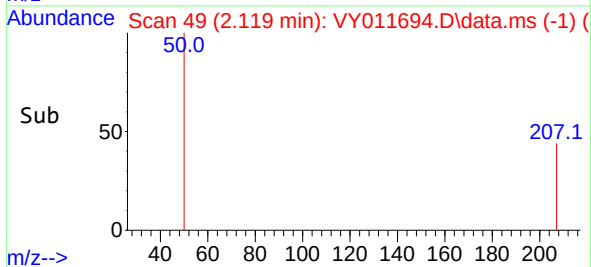
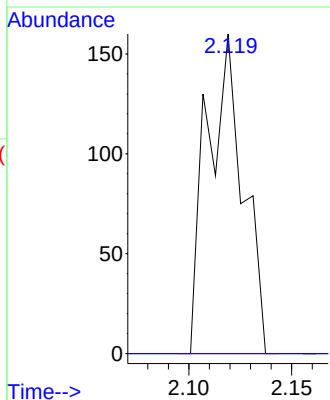
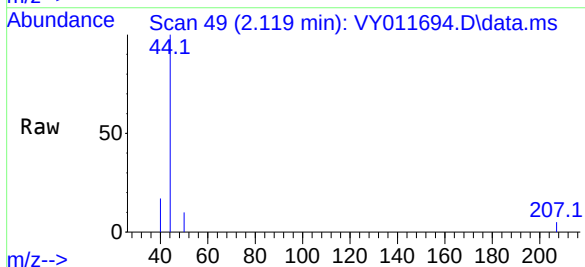
Instrument :
MSVOA_Y
ClientSampleId :
ML-5

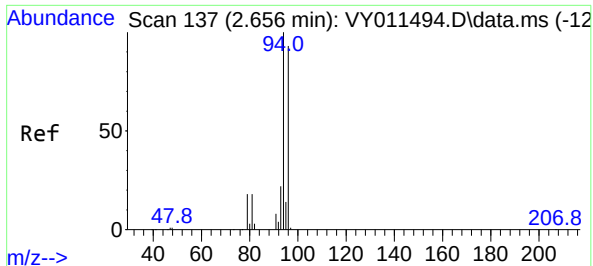
Tgt Ion:168 Resp: 32917
Ion Ratio Lower Upper
168 100
99 50.6 46.9 70.3



#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.000 min
Lab File: VY011694.D
Acq: 05 Dec 2022 14:19

Tgt Ion: 50 Resp: 195
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#

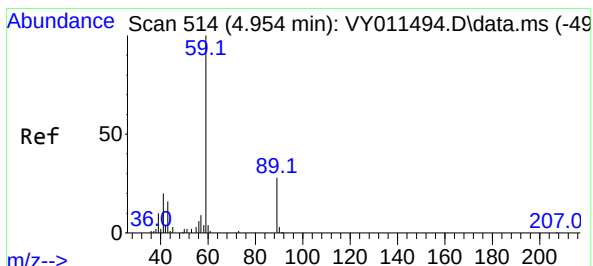
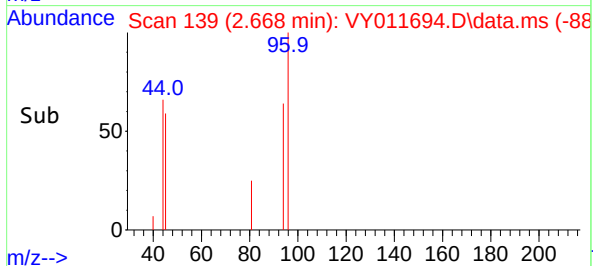
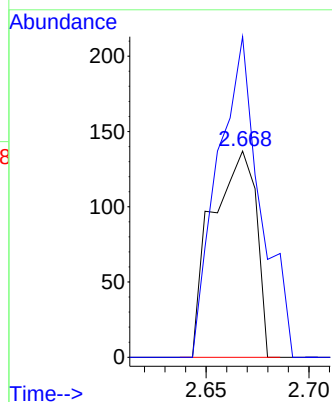
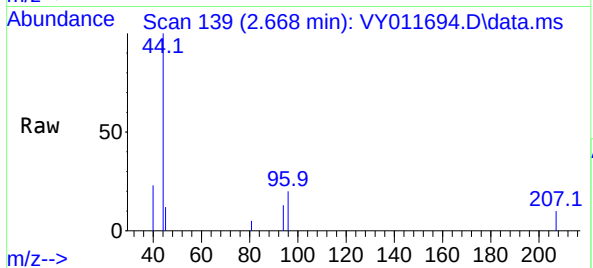




#5
Bromomethane
Concen: Below Cal
RT: 2.668 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY011694.D
Acq: 05 Dec 2022 14:19

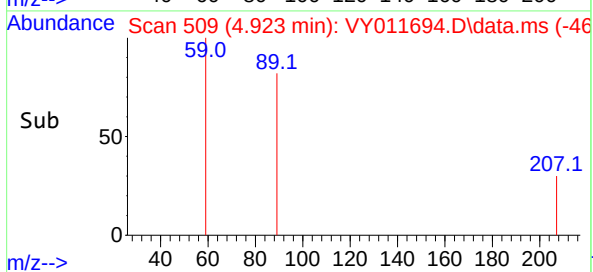
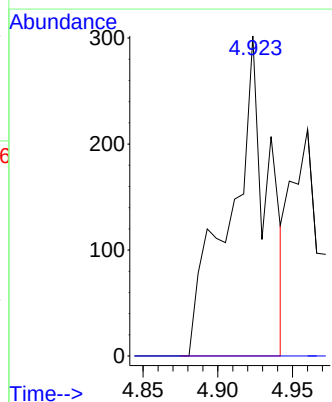
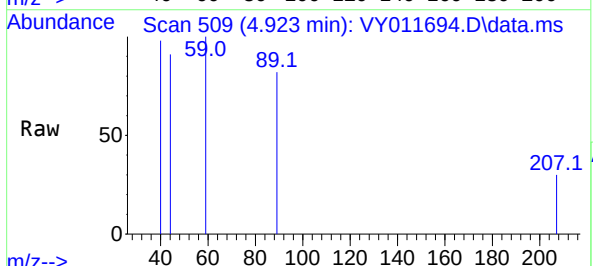
Instrument :
MSVOA_Y
ClientSampleId :
ML-5

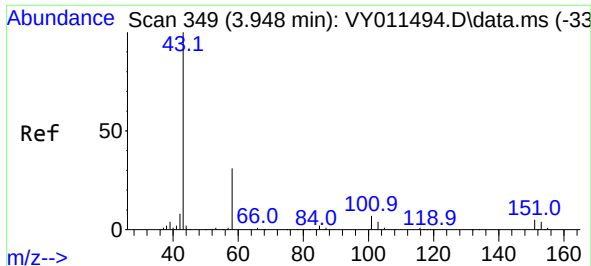
Tgt Ion: 94 Resp: 204
Ion Ratio Lower Upper
94 100
96 155.5 73.5 110.3#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.923 min Scan# 509
Delta R.T. -0.031 min
Lab File: VY011694.D
Acq: 05 Dec 2022 14:19

Tgt Ion: 59 Resp: 534
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

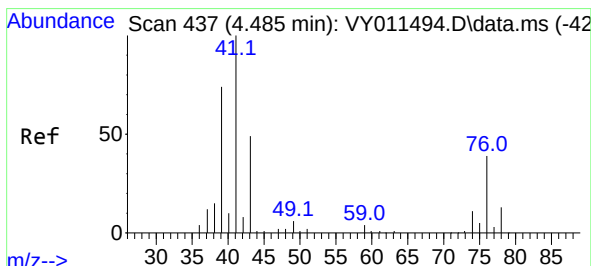
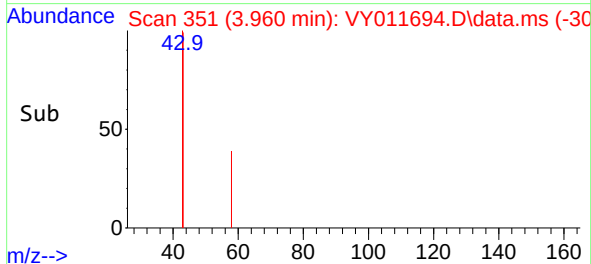
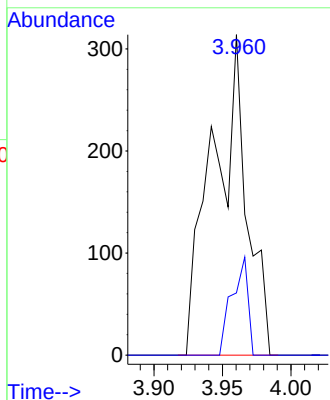
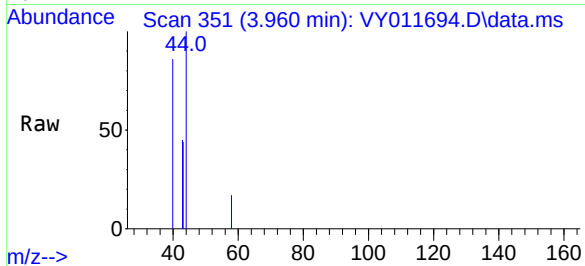




#16
Acetone
Concen: 4.992 ug/l
RT: 3.960 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY011694.D
Acq: 05 Dec 2022 14:19

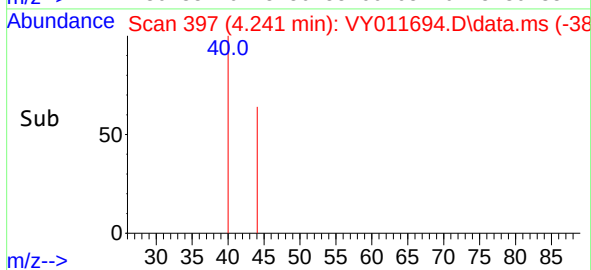
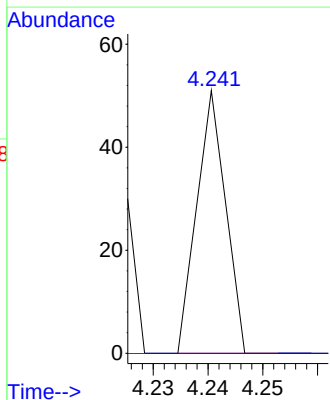
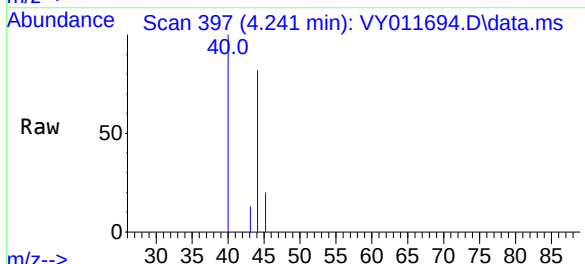
Instrument :
MSVOA_Y
ClientSampleId :
ML-5

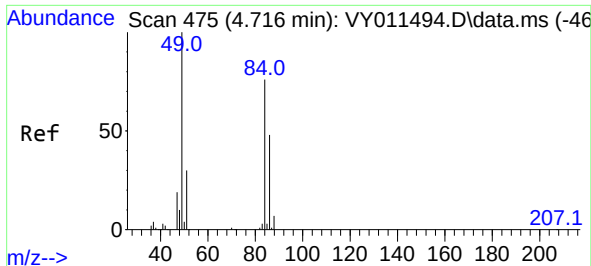
Tgt Ion: 43 Resp: 542
Ion Ratio Lower Upper
43 100
58 19.4 22.0 33.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.241 min Scan# 397
Delta R.T. -0.244 min
Lab File: VY011694.D
Acq: 05 Dec 2022 14:19

Tgt Ion: 43 Resp: 19
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#

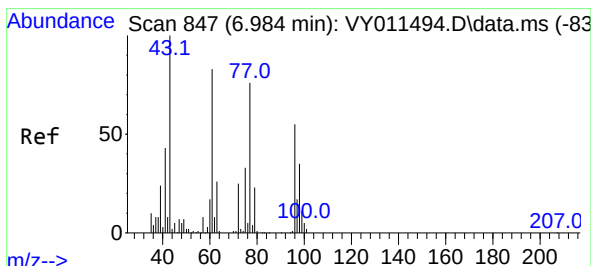
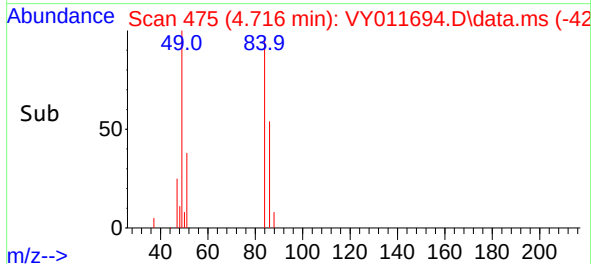
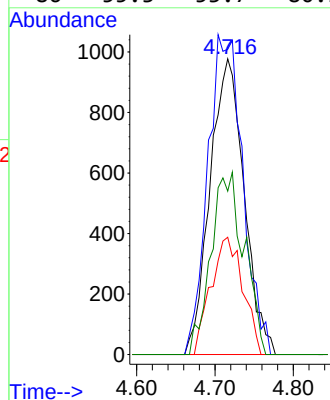
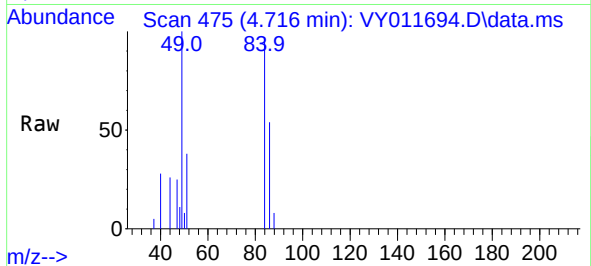




#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY011694.D
Acq: 05 Dec 2022 14:19

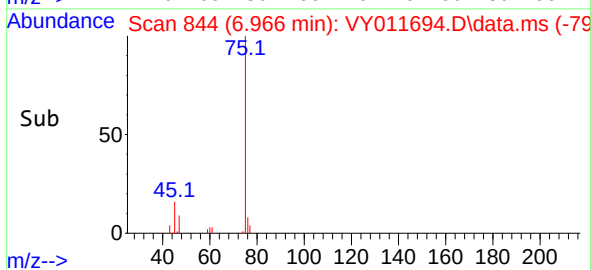
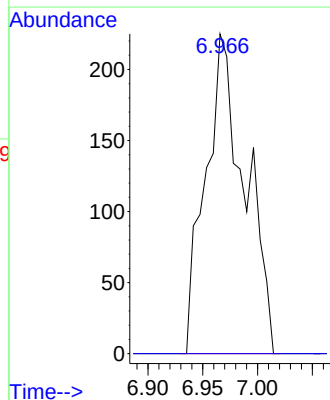
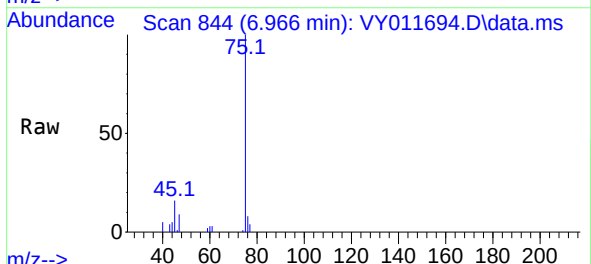
Instrument :
MSVOA_Y
ClientSampleId :
ML-5

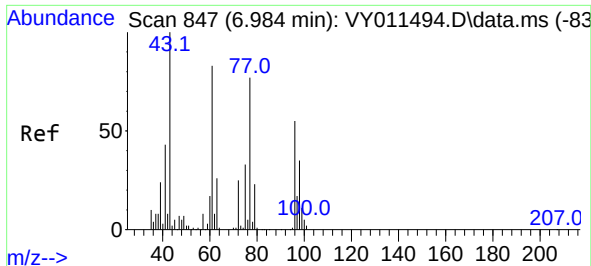
Tgt Ion:	84	Resp:	2955
Ion	Ratio	Lower	Upper
84	100		
49	103.3	114.4	171.6#
51	39.7	35.3	52.9
86	55.3	53.7	80.5



#25
2-Butanone
Concen: 3.932 ug/l
RT: 6.966 min Scan# 844
Delta R.T. -0.018 min
Lab File: VY011694.D
Acq: 05 Dec 2022 14:19

Tgt Ion:	43	Resp:	561
Ion	Ratio	Lower	Upper
43	100		
72	0.0	17.7	26.5#





#26

2,2-Dichloropropane

Concen: 1.155 ug/l

RT: 6.966 min Scan# 844

Delta R.T. -0.018 min

Lab File: VY011694.D

Acq: 05 Dec 2022 14:19

Instrument :

MSVOA_Y

ClientSampleId :

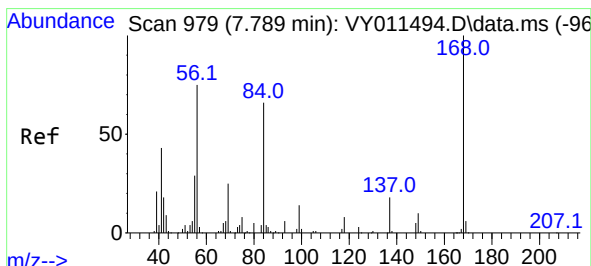
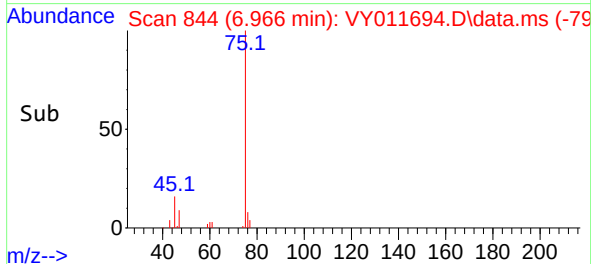
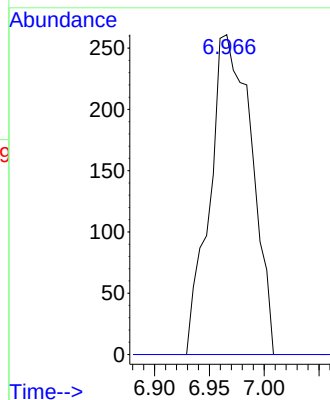
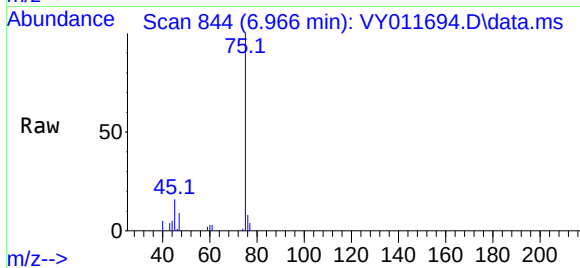
ML-5

Tgt Ion: 77 Resp: 694

Ion Ratio Lower Upper

77 100

97 0.0 10.4 31.4#



#31

Cyclohexane

Concen: 1.529 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.000 min

Lab File: VY011694.D

Acq: 05 Dec 2022 14:19

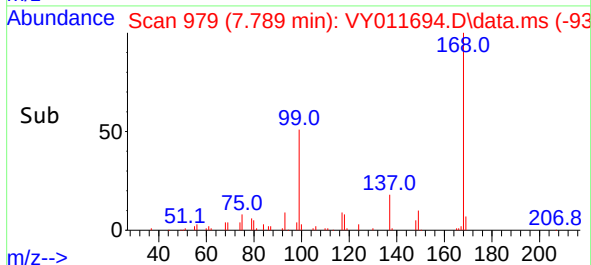
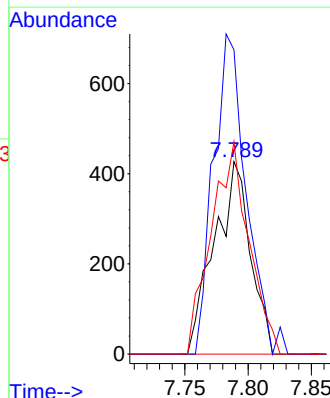
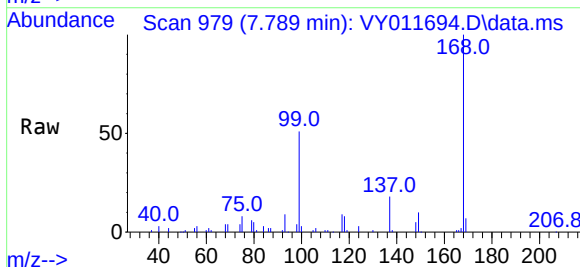
Tgt Ion: 56 Resp: 847

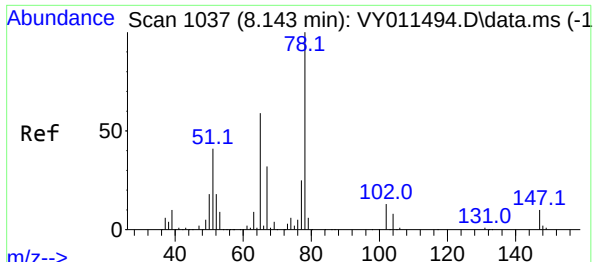
Ion Ratio Lower Upper

56 100

69 158.1 26.7 40.1#

84 110.3 67.2 100.8#

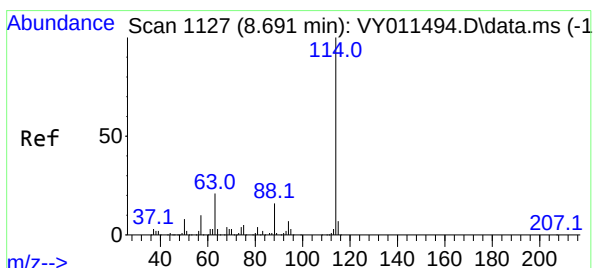
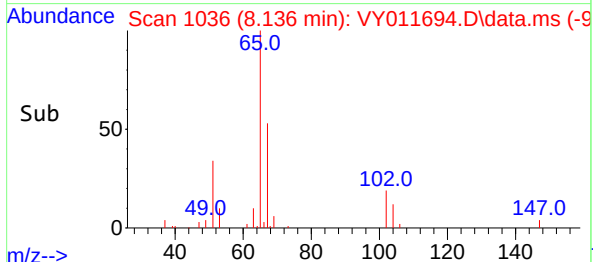
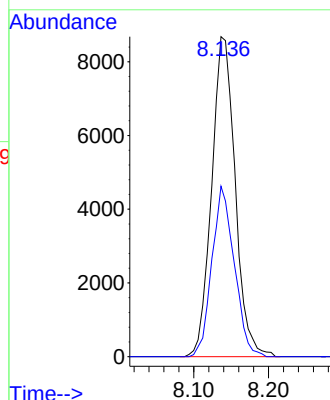
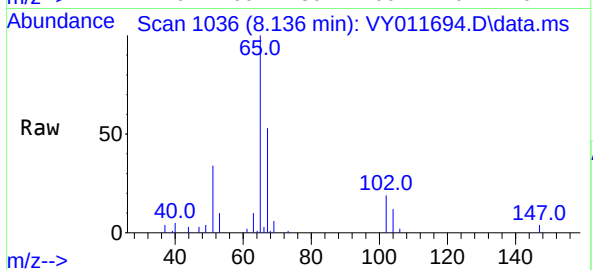




#33
 1,2-Dichloroethane-d4
 Concen: 56.944 ug/l
 RT: 8.136 min Scan# 1036
 Delta R.T. -0.007 min
 Lab File: VY011694.D
 Acq: 05 Dec 2022 14:19

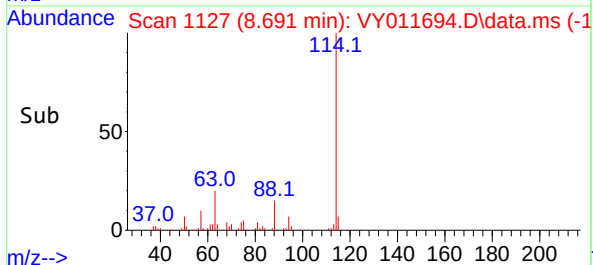
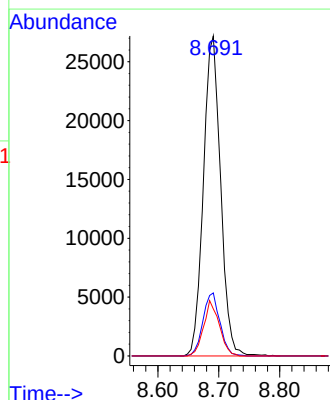
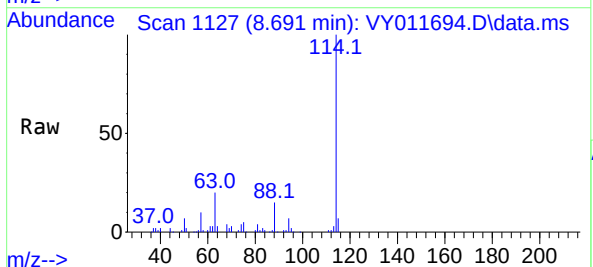
Instrument :
 MSVOA_Y
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 ML-5

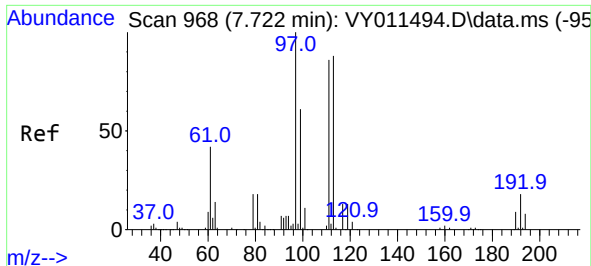
Tgt Ion: 65 Resp: 19033
 Ion Ratio Lower Upper
 65 100
 67 50.6 0.0 99.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. 0.000 min
 Lab File: VY011694.D
 Acq: 05 Dec 2022 14:19

Tgt Ion: 114 Resp: 53287
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 43.2
 88 14.7 0.0 31.8

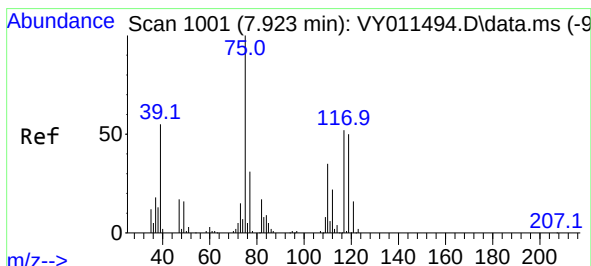
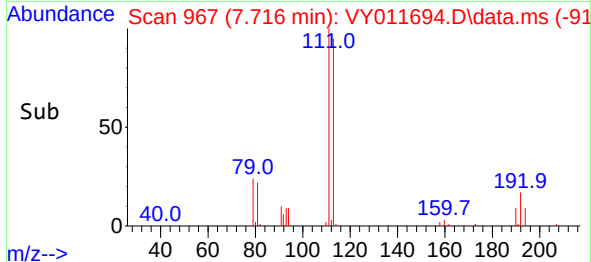
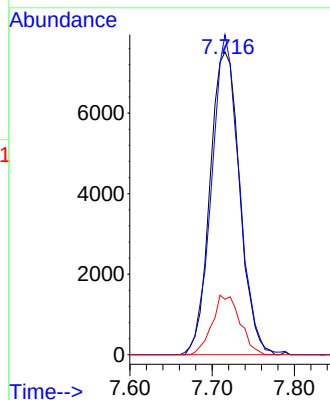
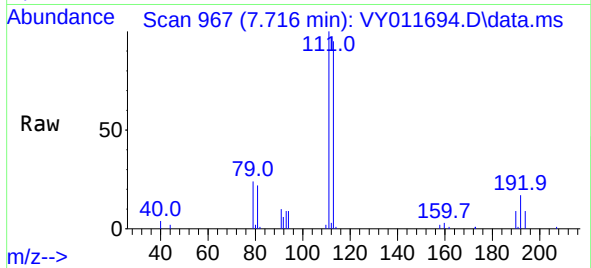




#35
Dibromofluoromethane
Concen: 57.379 ug/l
RT: 7.716 min Scan# 90
Delta R.T. -0.006 min
Lab File: VY011694.D
Acq: 05 Dec 2022 14:19

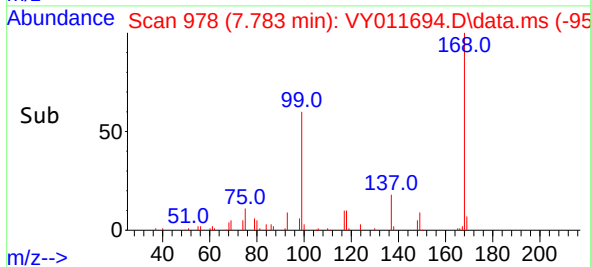
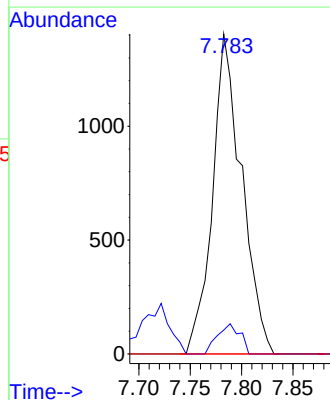
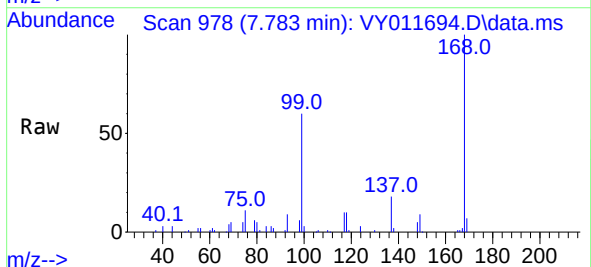
Instrument :
MSVOA_Y
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ML-5

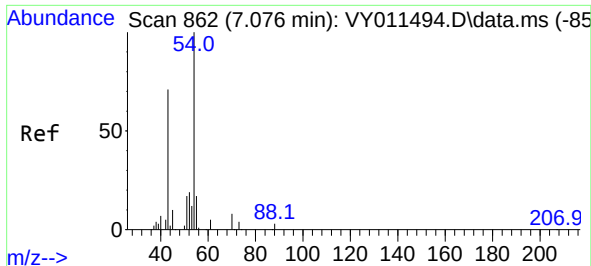
Tgt Ion:113 Resp: 18822
Ion Ratio Lower Upper
113 100
111 99.0 82.6 124.0
192 18.5 17.6 26.4



#36
1,1-Dichloropropene
Concen: 5.402 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.140 min
Lab File: VY011694.D
Acq: 05 Dec 2022 14:19

Tgt Ion: 75 Resp: 2770
Ion Ratio Lower Upper
75 100
110 7.3 17.1 51.2#
77 0.0 24.4 36.6#

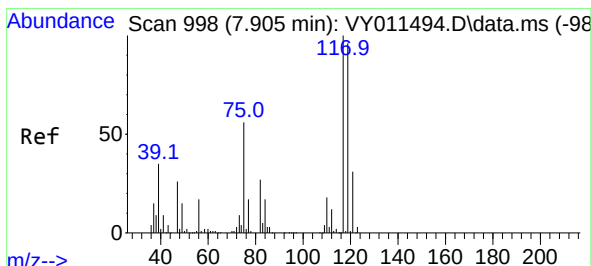
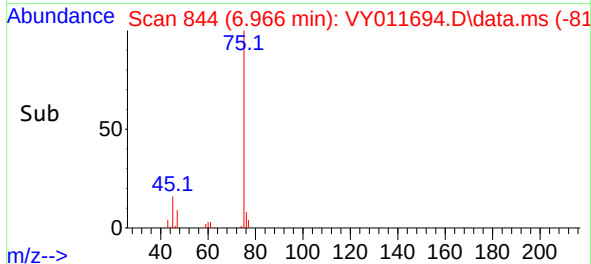
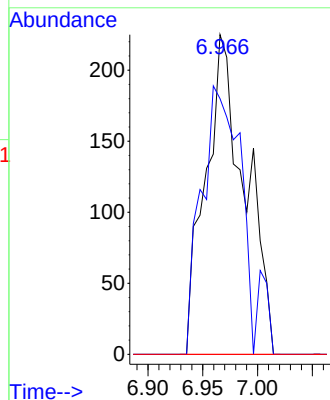
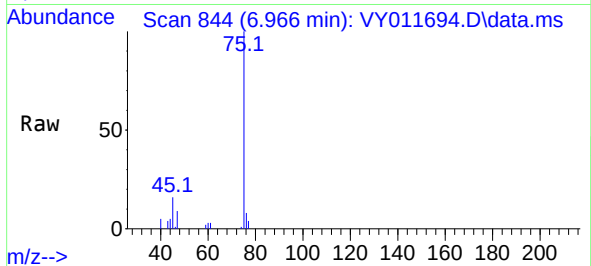




#37
Ethyl Acetate
Concen: 1.921 ug/l
RT: 6.966 min Scan# 844
Delta R.T. -0.110 min
Lab File: VY011694.D
Acq: 05 Dec 2022 14:19

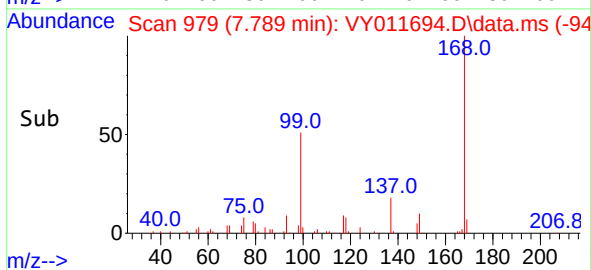
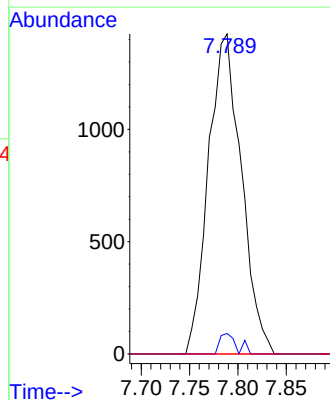
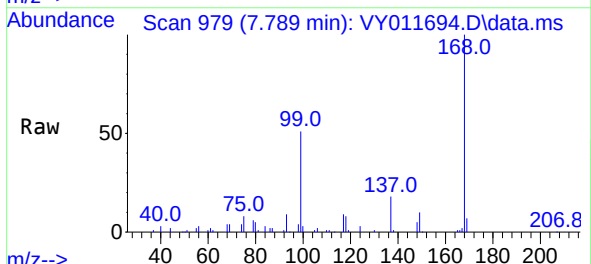
Instrument :
MSVOA_Y
ClientSampleId :
ML-5

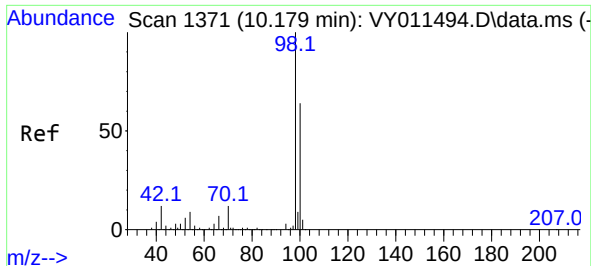
Tgt Ion: 43 Resp: 561
Ion Ratio Lower Upper
43 100
61 81.6 9.7 14.5#
70 0.0 7.1 10.7#



#38
Carbon Tetrachloride
Concen: 5.883 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.116 min
Lab File: VY011694.D
Acq: 05 Dec 2022 14:19

Tgt Ion: 117 Resp: 3375
Ion Ratio Lower Upper
117 100
119 6.4 77.9 116.9#
121 0.0 24.8 37.2#

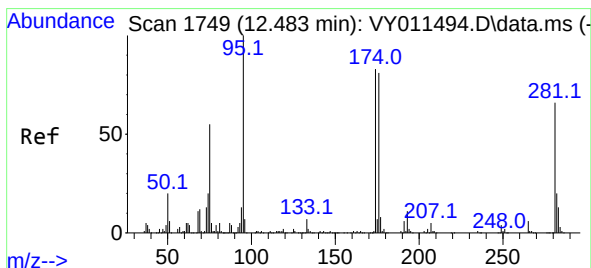
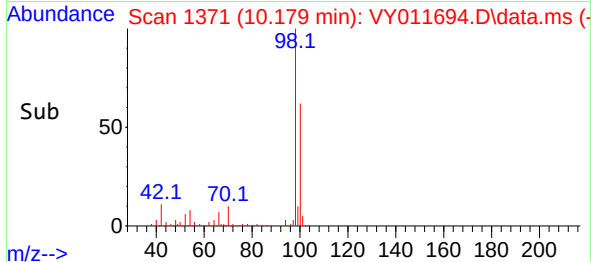
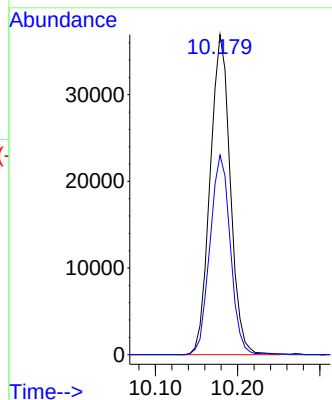
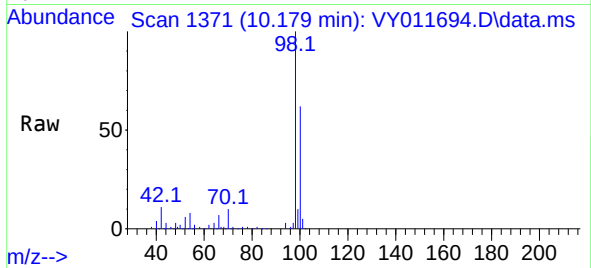




#50
Toluene-d8
Concen: 52.840 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011694.D
Acq: 05 Dec 2022 14:19

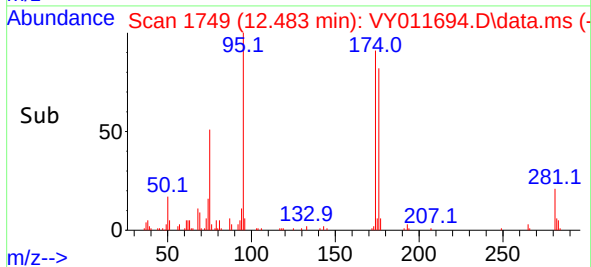
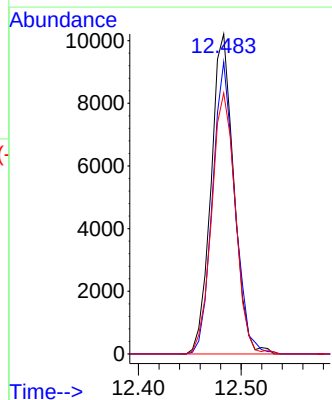
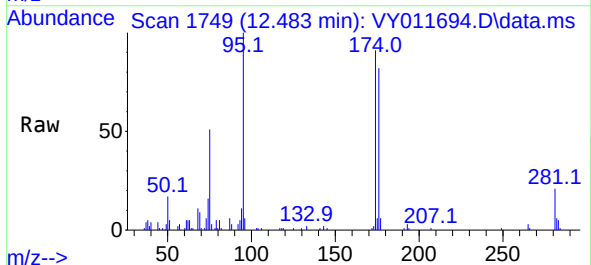
Instrument :
MSVOA_Y
ClientSampleId :
ML-5

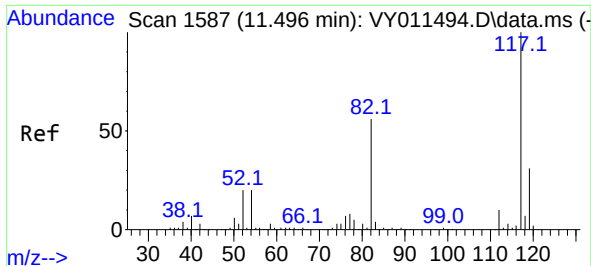
Tgt Ion: 98 Resp: 62987
Ion Ratio Lower Upper
98 100
100 63.0 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 35.747 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY011694.D
Acq: 05 Dec 2022 14:19

Tgt Ion: 95 Resp: 15755
Ion Ratio Lower Upper
95 100
174 89.0 0.0 177.0
176 84.3 0.0 175.8

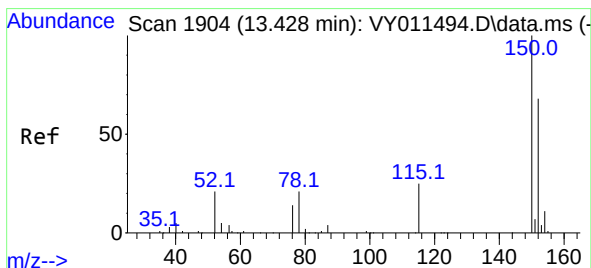
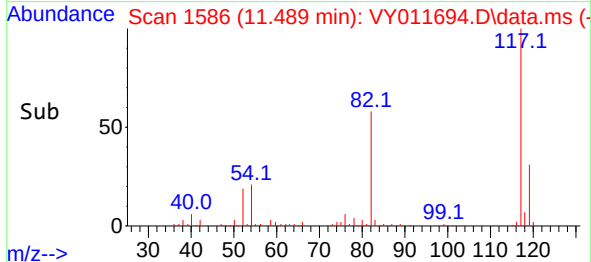
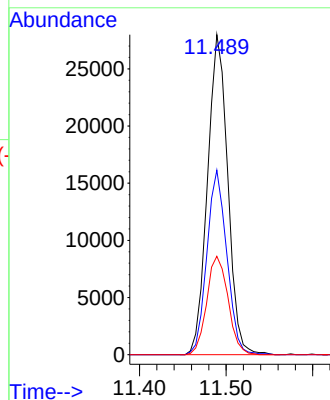
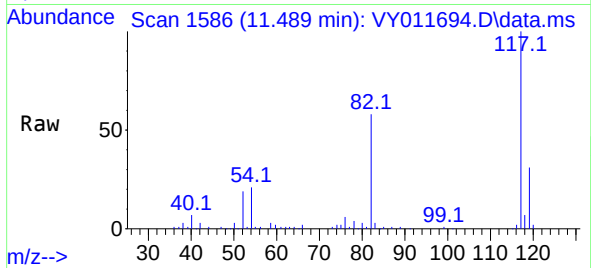




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.007 min
Lab File: VY011694.D
Acq: 05 Dec 2022 14:19

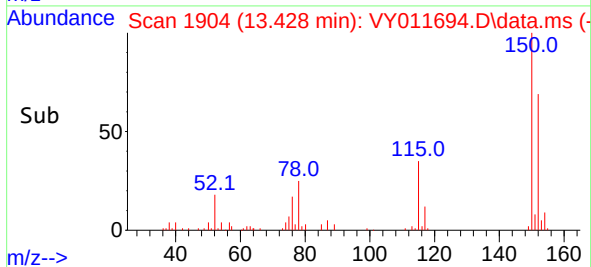
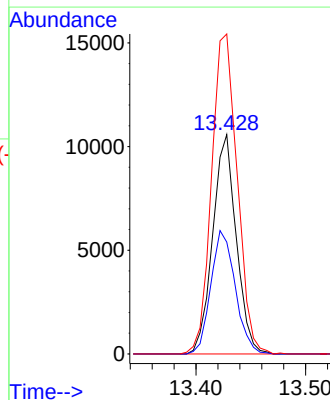
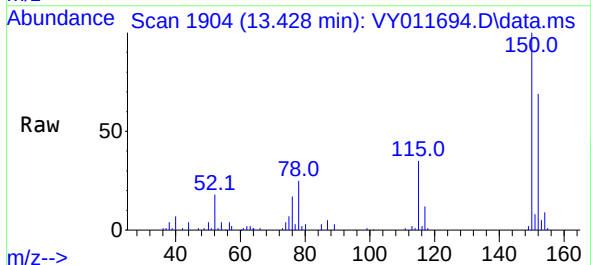
Instrument :
MSVOA_Y
ClientSampleId :
ML-5

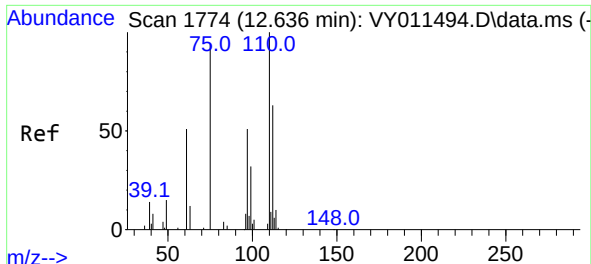
Tgt Ion:	117	Resp:	45542
Ion	Ratio	Lower	Upper
117	100		
82	57.6	43.0	64.4
119	30.8	25.4	38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY011694.D
Acq: 05 Dec 2022 14:19

Tgt Ion:	152	Resp:	15812
Ion	Ratio	Lower	Upper
152	100		
115	58.2	28.2	84.7
150	158.5	0.0	347.6

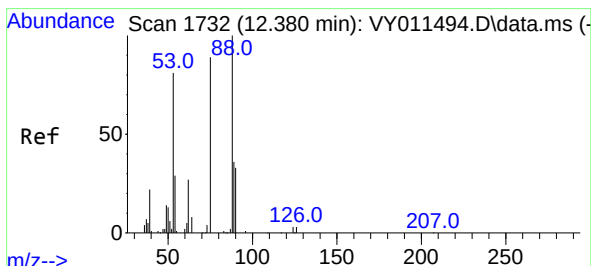
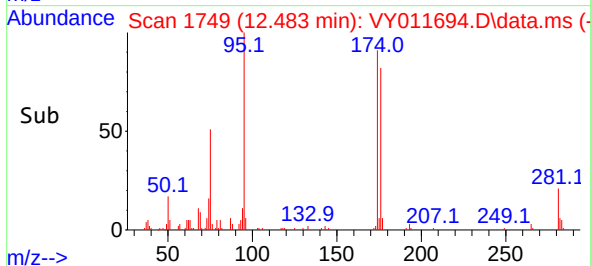
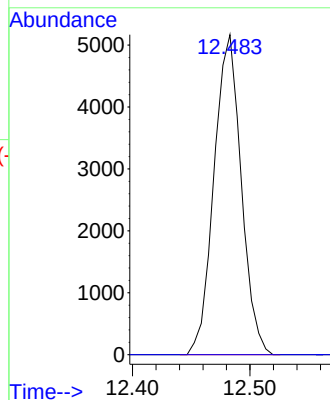
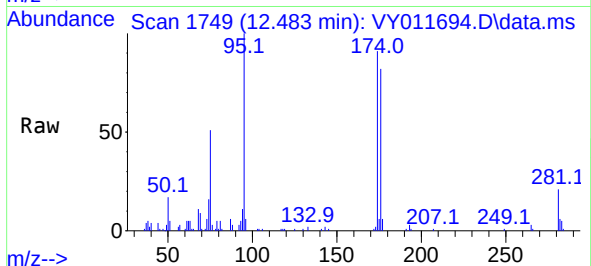




#76
1,2,3-Trichloropropane
Concen: 48.871 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY011694.D
Acq: 05 Dec 2022 14:19

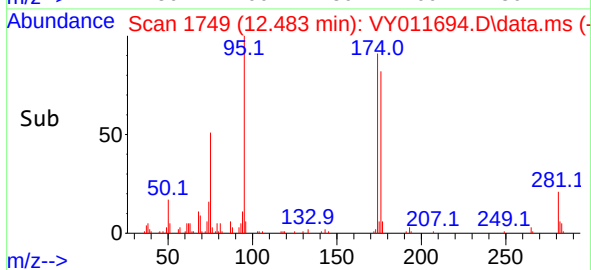
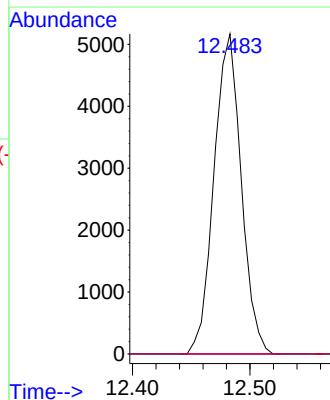
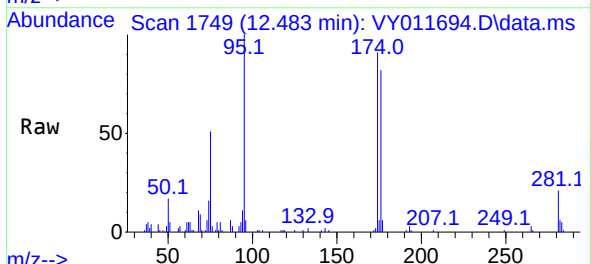
Instrument :
MSVOA_Y
ClientSampleId :
ML-5

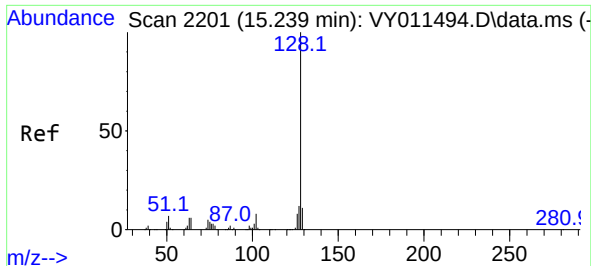
Tgt Ion: 75 Resp: 8322
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 107.044 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY011694.D
Acq: 05 Dec 2022 14:19

Tgt Ion: 75 Resp: 8322
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#





#95

Naphthalene

Concen: 4.237 ug/l

RT: 15.233 min Scan# 21

Delta R.T. -0.006 min

Lab File: VY011694.D

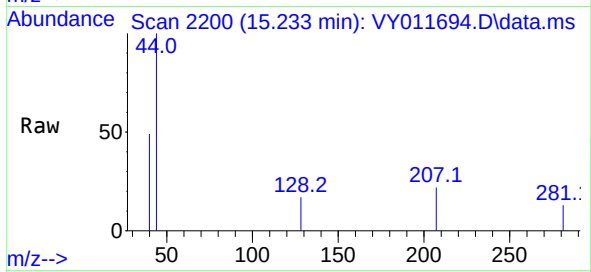
Acq: 05 Dec 2022 14:19

Instrument :

MSVOA_Y

ClientSampleId :

ML-5



Tgt Ion:128 Resp: 132

Ion Ratio Lower Upper

128 100

127 0.0 11.0 16.4#

129 0.0 8.4 12.6#

