

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022124\
 Data File : VY017432.D
 Acq On : 21 Feb 2024 12:58
 Operator : SY/MD
 Sample : P1545-02
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 287

Quant Time: Feb 22 03:24:35 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y021924S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 20 06:16:24 2024
 Response via : Initial Calibration

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

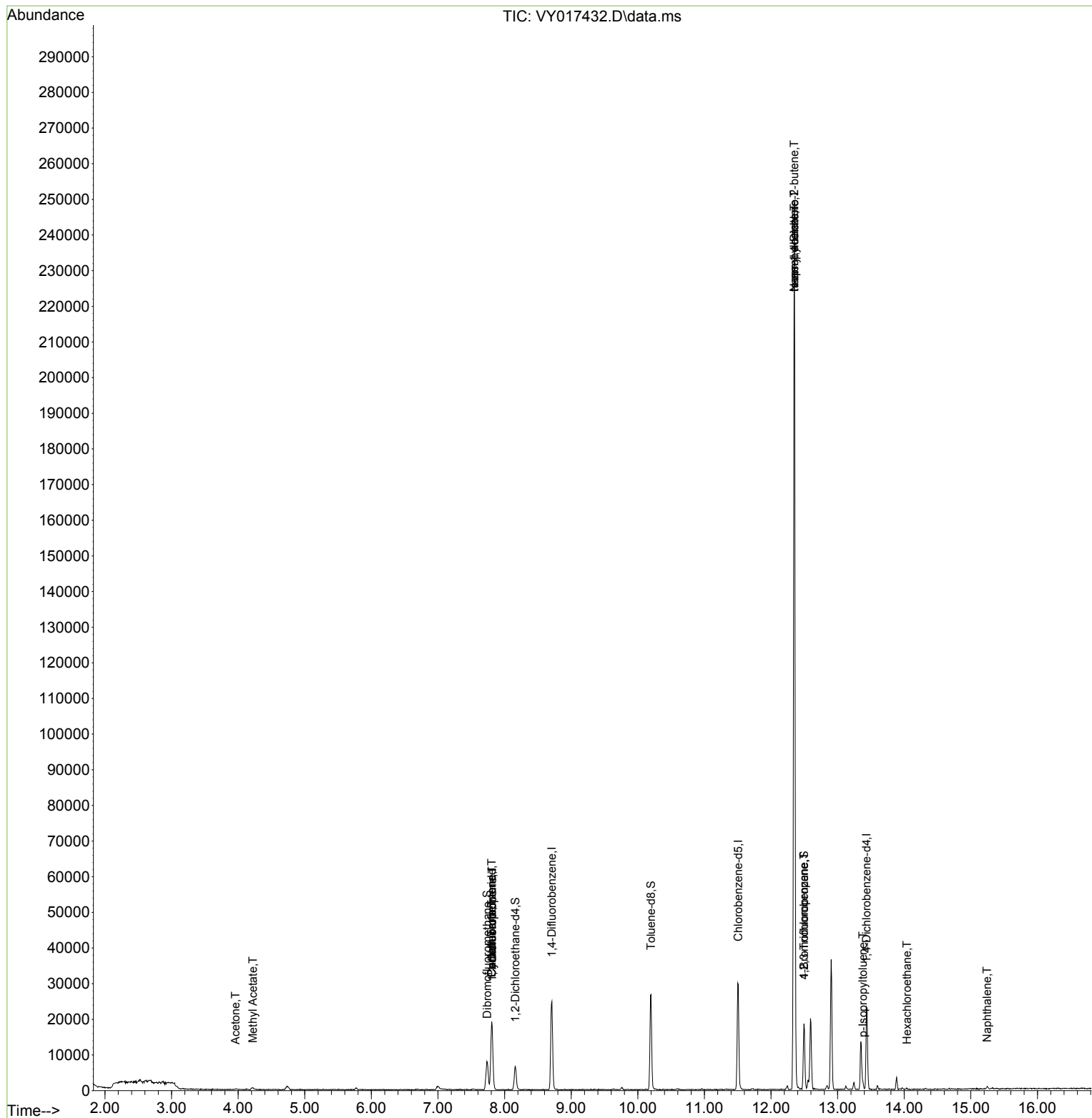
Internal Standards						
1) Pentafluorobenzene	7.807	168	15533	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.709	114	23439	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.508	117	18395	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.434	152	6227	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.161	65	5401	40.702	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	81.400%
35) Dibromofluoromethane	7.740	113	6116	44.576	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	89.160%
50) Toluene-d8	10.197	98	19057	35.813	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	71.620%
62) 4-Bromofluorobenzene	12.495	95	5130	29.635	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	59.280%
Target Compounds						Qvalue
5) Bromomethane	2.674	94	443	Below Cal		99
16) Acetone	3.960	43	191	6.646	ug/l #	67
18) Methyl Acetate	4.222	43	153	2.348	ug/l #	46
20) Methylene Chloride	4.735	84	854	Below Cal	#	76
31) Cyclohexane	7.807	56	265	1.009	ug/l #	28
36) 1,1-Dichloropropene	7.813	75	1198	5.228	ug/l #	43
38) Carbon Tetrachloride	7.807	117	1496	6.557	ug/l #	13
73) Isopropylbenzene	12.349	105	9974	20.736	ug/l #	70
74) N-amyl acetate	12.349	43	3859	46.077	ug/l #	11
76) 1,2,3-Trichloropropane	12.495	75	2793	46.260	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.349	75	323	12.473	ug/l #	1
86) p-Isopropyltoluene	13.379	119	1506	3.544	ug/l #	73
90) Hexachloroethane	14.044	117	135	1.621	ug/l #	12
95) Naphthalene	15.245	128	820	7.631	ug/l #	82

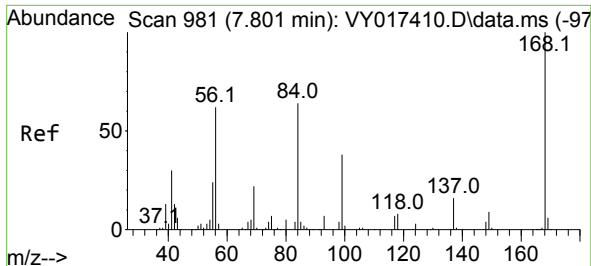
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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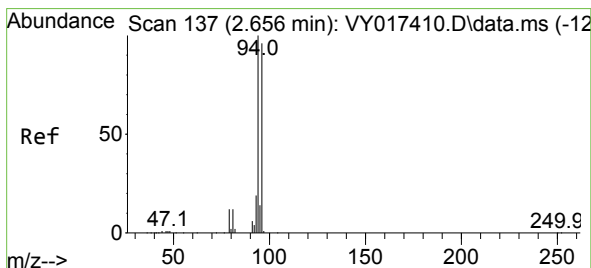
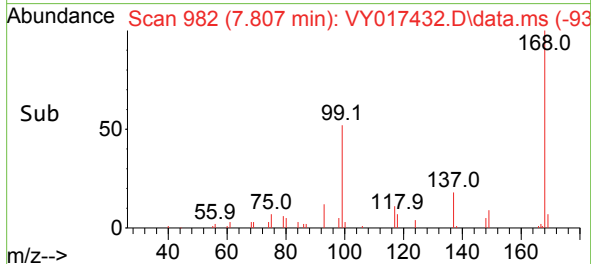
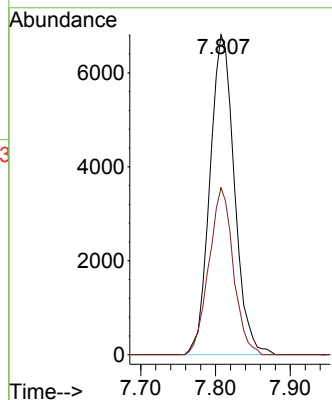
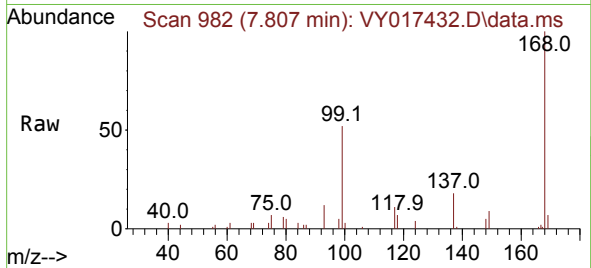




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.807 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY017432.D
Acq: 21 Feb 2024 12:58

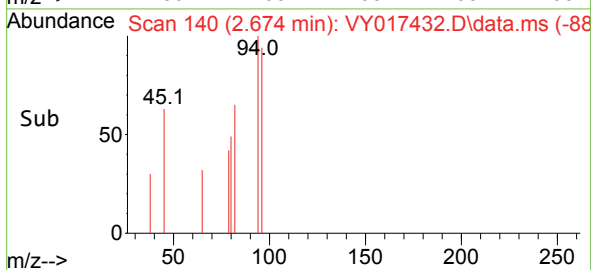
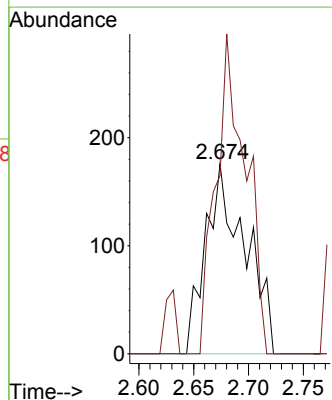
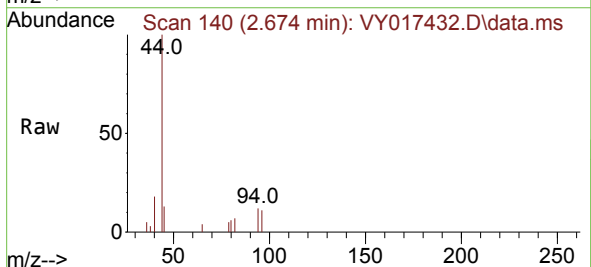
Instrument :
MSVOA_Y
ClientSampleId :
287

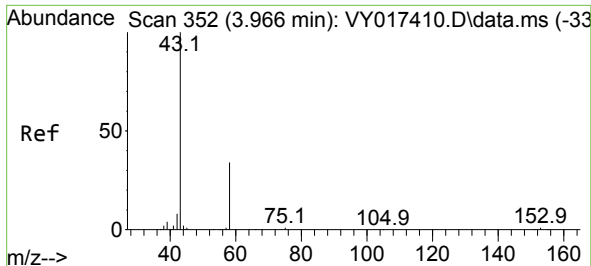
Tgt Ion:168 Resp: 15533
Ion Ratio Lower Upper
168 100
99 52.2 39.1 58.7



#5
Bromomethane
Concen: Below Cal
RT: 2.674 min Scan# 140
Delta R.T. 0.018 min
Lab File: VY017432.D
Acq: 21 Feb 2024 12:58

Tgt Ion: 94 Resp: 443
Ion Ratio Lower Upper
94 100
96 93.8 74.1 111.1





#16

Acetone

Concen: 6.646 ug/l

RT: 3.960 min Scan# 31

Delta R.T. -0.006 min

Lab File: VY017432.D

Acq: 21 Feb 2024 12:58

Instrument :

MSVOA_Y

ClientSampleId :

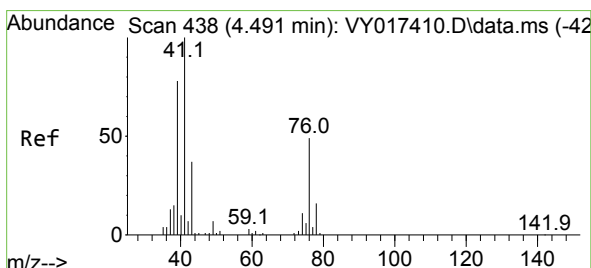
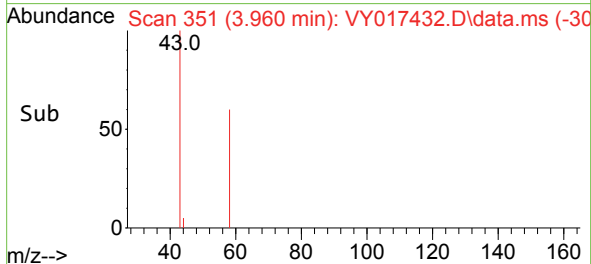
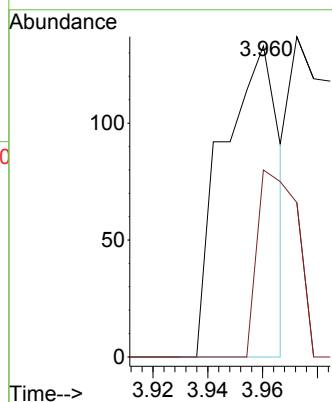
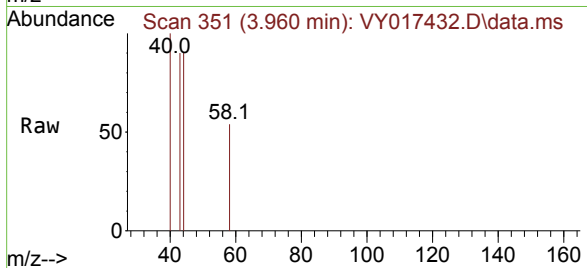
287

Tgt Ion: 43 Resp: 191

Ion Ratio Lower Upper

43 100

58 60.2 31.7 47.5#



#18

Methyl Acetate

Concen: 2.348 ug/l

RT: 4.222 min Scan# 394

Delta R.T. -0.268 min

Lab File: VY017432.D

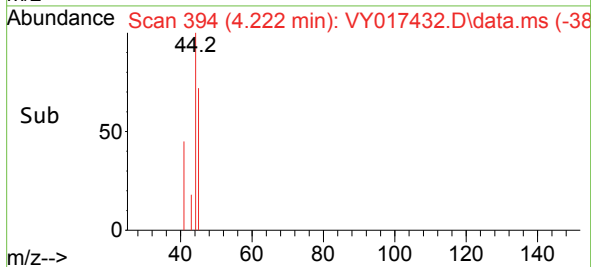
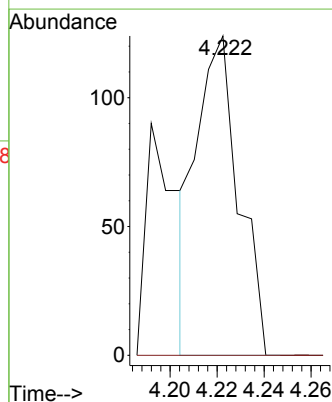
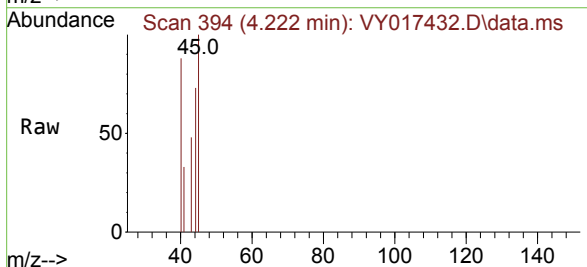
Acq: 21 Feb 2024 12:58

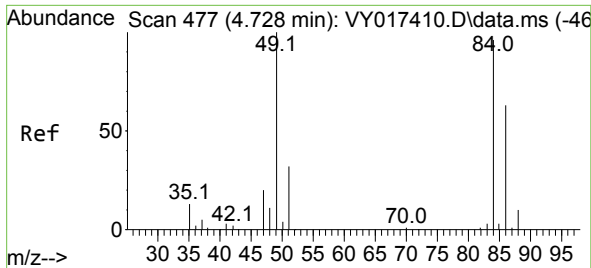
Tgt Ion: 43 Resp: 153

Ion Ratio Lower Upper

43 100

74 0.0 23.3 34.9#

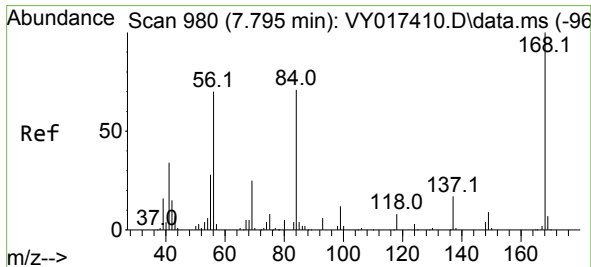
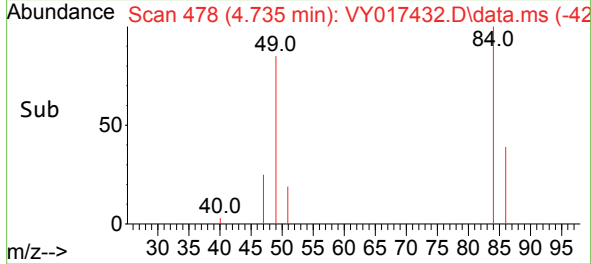
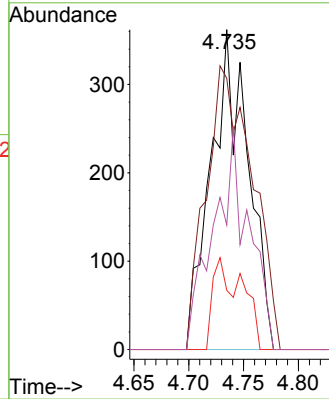
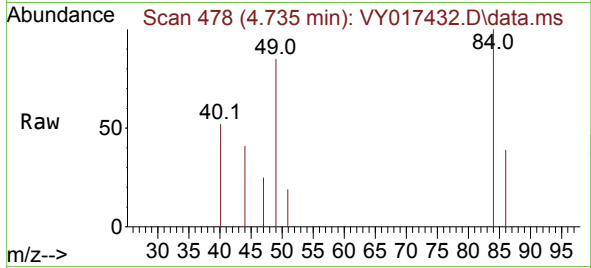




#20
Methylene Chloride
Concen: Below Cal
RT: 4.735 min Scan# 41
Delta R.T. 0.007 min
Lab File: VY017432.D
Acq: 21 Feb 2024 12:58

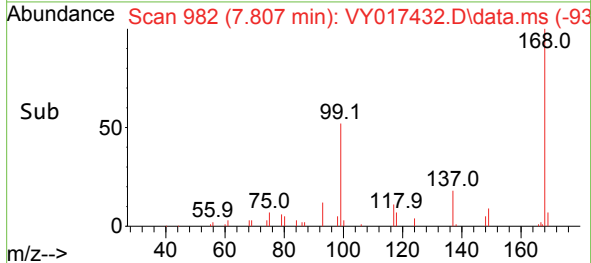
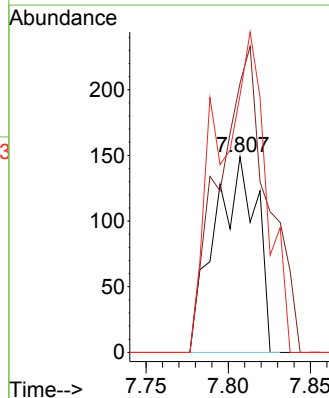
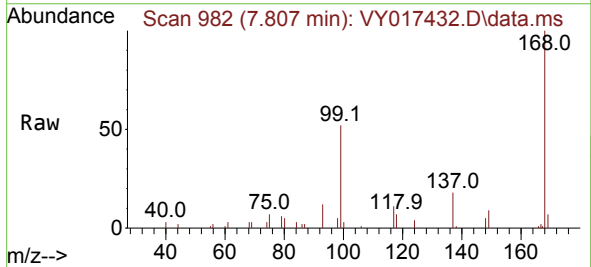
Instrument :
MSVOA_Y
ClientSampleId :
287

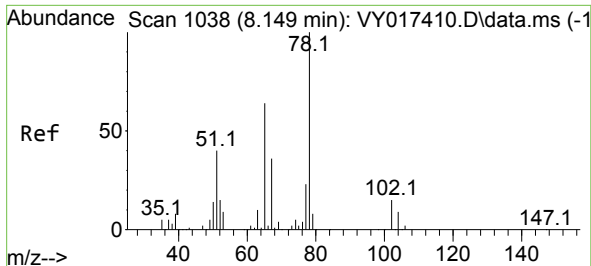
Tgt Ion: 84	Resp:	854
Ion	Ratio	Lower Upper
84	100	
49	84.8	84.4 126.6
51	18.5	26.0 39.0#
86	39.0	49.5 74.3#



#31
Cyclohexane
Concen: 1.009 ug/l
RT: 7.807 min Scan# 982
Delta R.T. 0.012 min
Lab File: VY017432.D
Acq: 21 Feb 2024 12:58

Tgt Ion: 56	Resp:	265
Ion	Ratio	Lower Upper
56	100	
69	137.6	28.7 43.1#
84	131.5	77.7 116.5#





#33

1,2-Dichloroethane-d4

Concen: 40.702 ug/l

RT: 8.161 min Scan# 1130

Delta R.T. 0.012 min

Lab File: VY017432.D

Acq: 21 Feb 2024 12:58

Instrument :

MSVOA_Y

ClientSampleId :

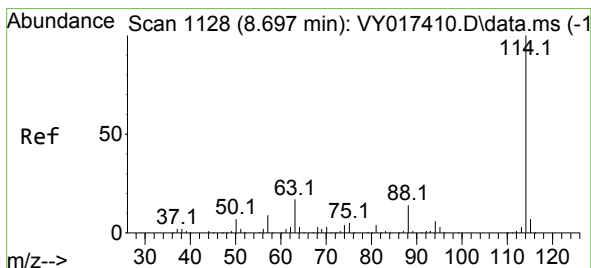
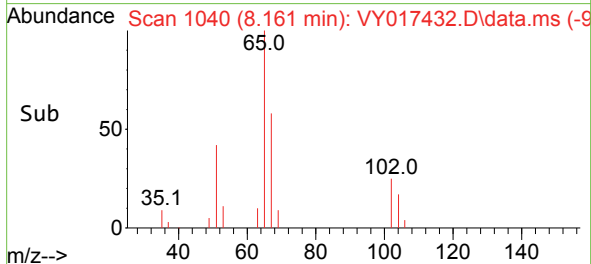
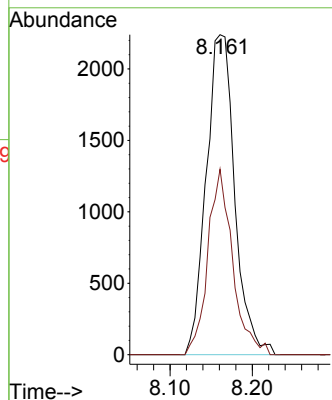
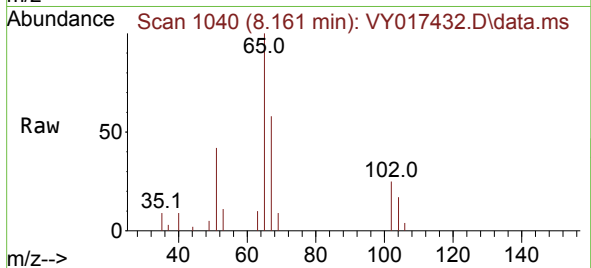
287

Tgt Ion: 65 Resp: 5401

Ion Ratio Lower Upper

65 100

67 50.3 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.709 min Scan# 1130

Delta R.T. 0.012 min

Lab File: VY017432.D

Acq: 21 Feb 2024 12:58

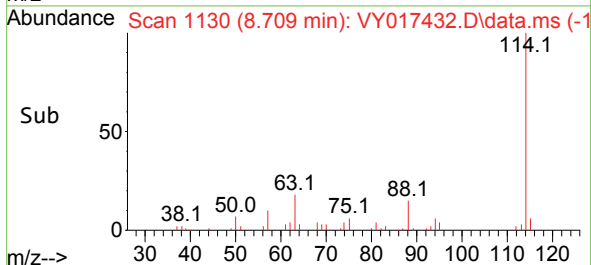
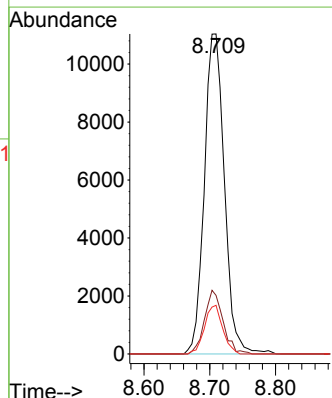
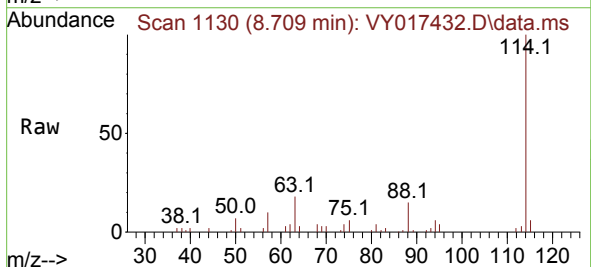
Tgt Ion: 114 Resp: 23439

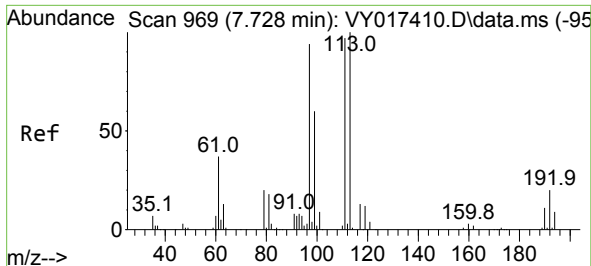
Ion Ratio Lower Upper

114 100

63 18.3 0.0 35.0

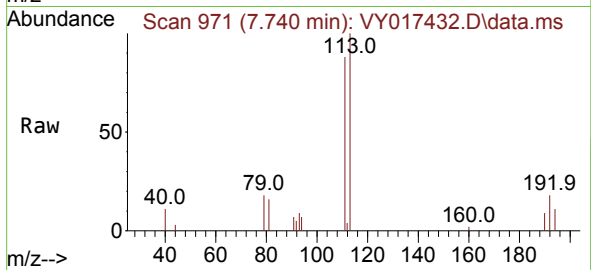
88 15.2 0.0 27.2



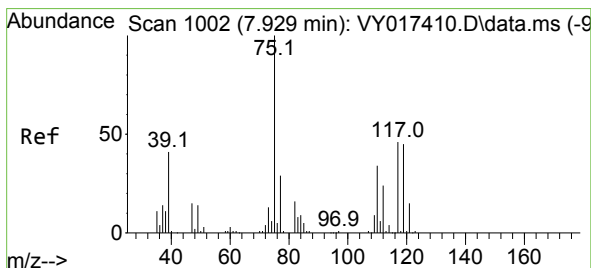
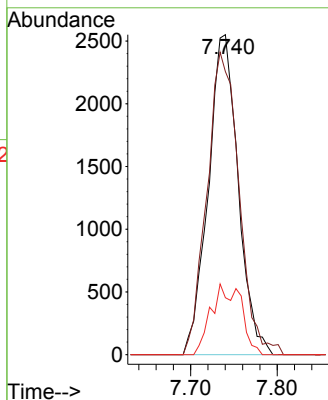
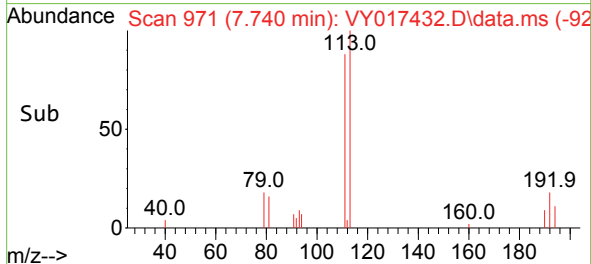


#35
Dibromofluoromethane
Concen: 44.576 ug/l
RT: 7.740 min Scan# 911
Delta R.T. 0.012 min
Lab File: VY017432.D
Acq: 21 Feb 2024 12:58

Instrument :
MSVOA_Y
ClientSampleId :
287

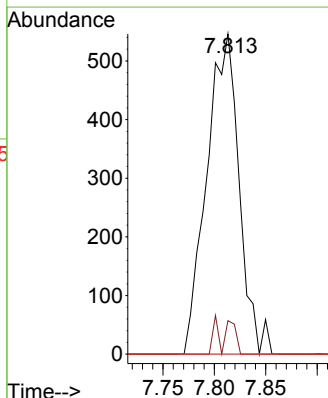
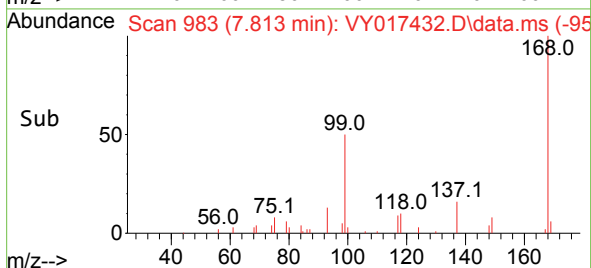
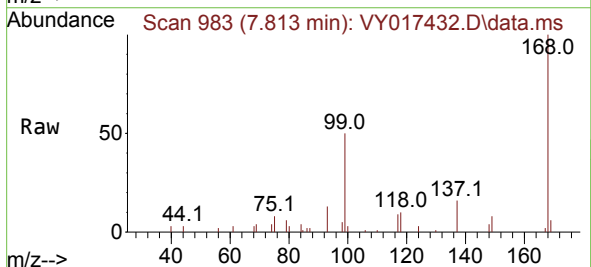


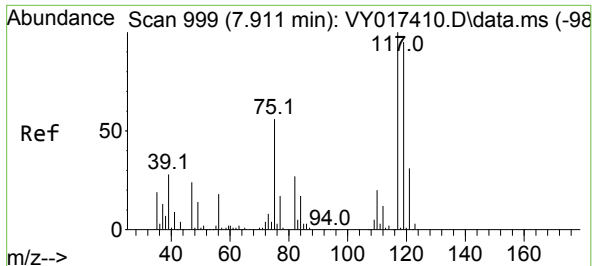
Tgt Ion:113 Resp: 6116
Ion Ratio Lower Upper
113 100
111 101.3 82.2 123.4
192 22.2 15.9 23.9



#36
1,1-Dichloropropene
Concen: 5.228 ug/l
RT: 7.813 min Scan# 983
Delta R.T. -0.116 min
Lab File: VY017432.D
Acq: 21 Feb 2024 12:58

Tgt Ion: 75 Resp: 1198
Ion Ratio Lower Upper
75 100
110 3.3 19.0 57.0#
77 0.0 25.3 37.9#

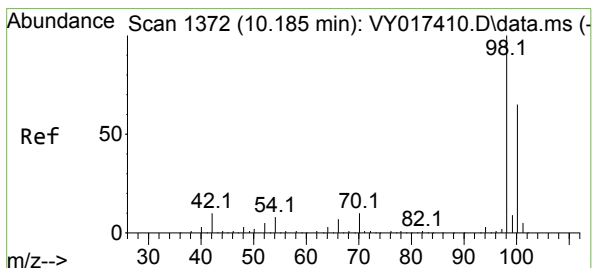
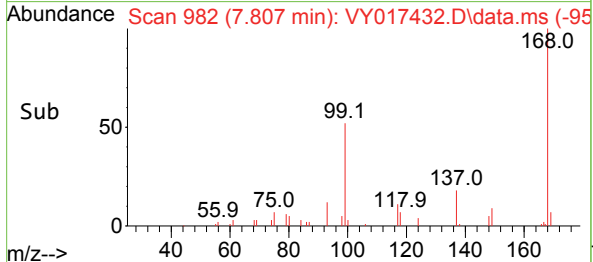
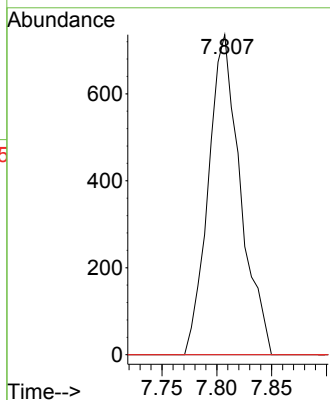
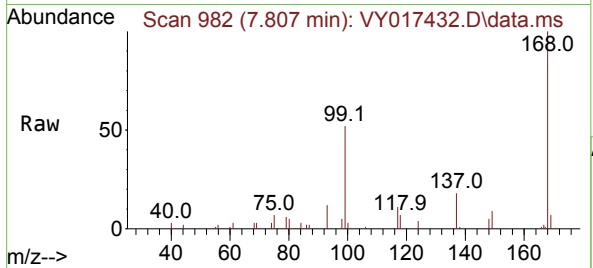




#38
Carbon Tetrachloride
Concen: 6.557 ug/l
RT: 7.807 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY017432.D
Acq: 21 Feb 2024 12:58

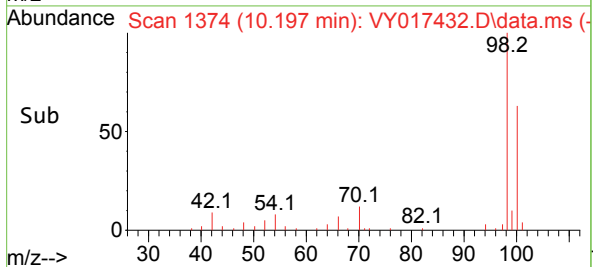
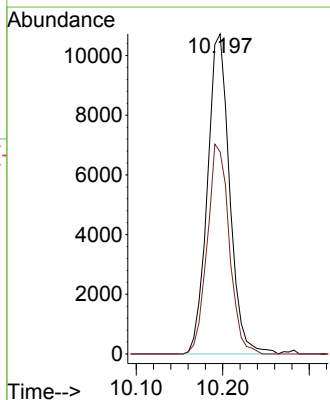
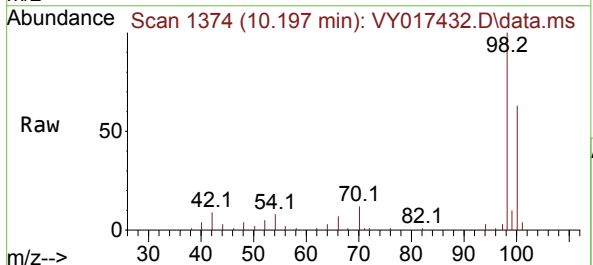
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ClientSampleId :
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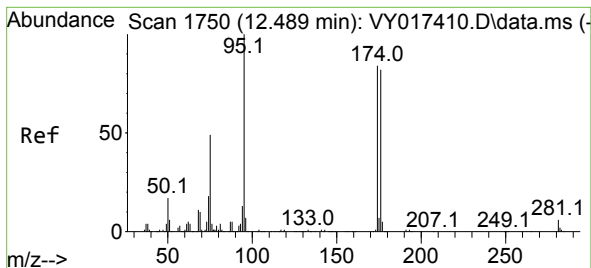
Tgt Ion:117 Resp: 1496
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 35.813 ug/l
RT: 10.197 min Scan# 1374
Delta R.T. 0.012 min
Lab File: VY017432.D
Acq: 21 Feb 2024 12:58

Tgt Ion: 98 Resp: 19057
Ion Ratio Lower Upper
98 100
100 65.0 52.0 78.0

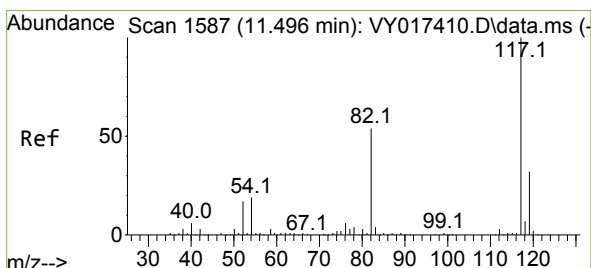
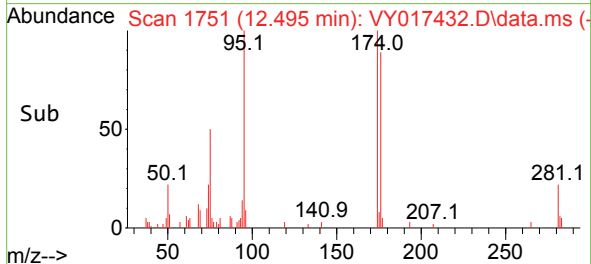
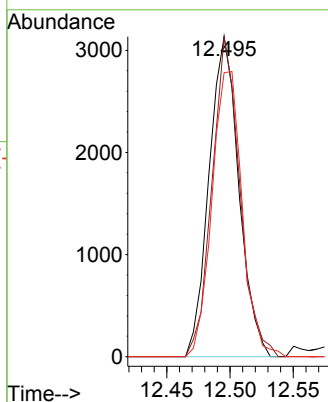
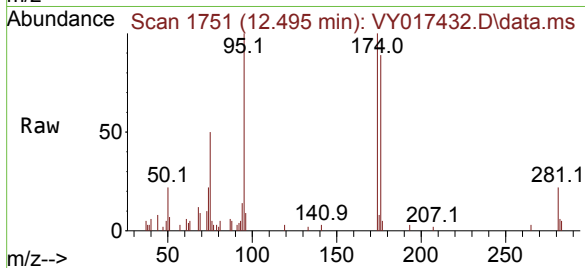




#62
4-Bromofluorobenzene
Concen: 29.635 ug/l
RT: 12.495 min Scan# 1751
Delta R.T. 0.006 min
Lab File: VY017432.D
Acq: 21 Feb 2024 12:58

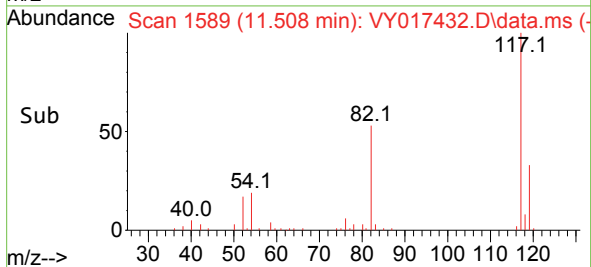
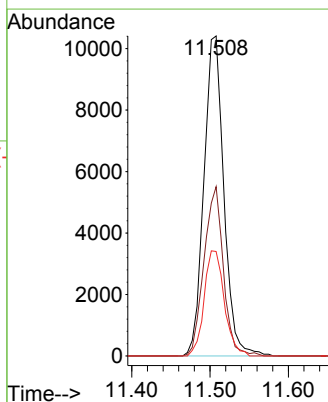
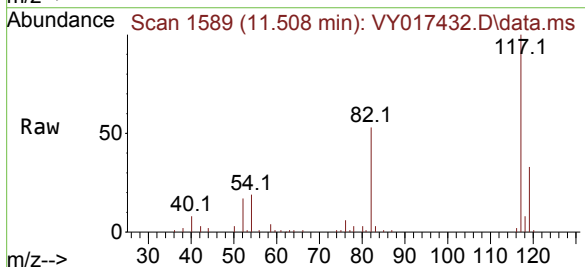
Instrument :
MSVOA_Y
ClientSampleId :
287

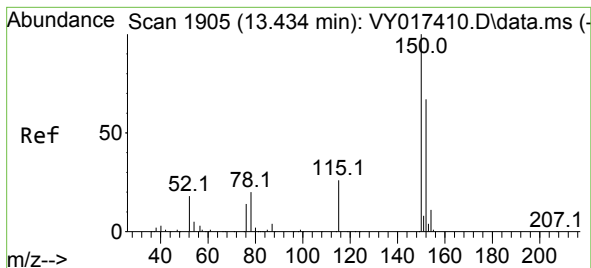
Tgt Ion:	95	Resp:	5130
Ion	Ratio	Lower	Upper
95	100		
174	93.1	0.0	175.6
176	90.1	0.0	171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.508 min Scan# 1589
Delta R.T. 0.012 min
Lab File: VY017432.D
Acq: 21 Feb 2024 12:58

Tgt Ion:	117	Resp:	18395
Ion	Ratio	Lower	Upper
117	100		
82	52.9	42.4	63.6
119	32.7	25.9	38.9

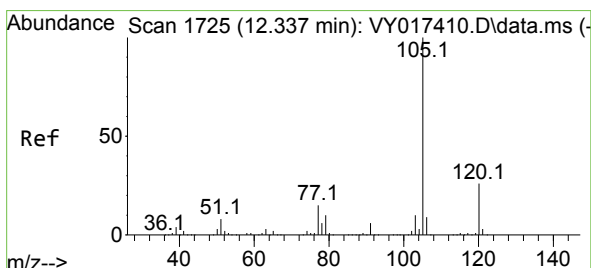
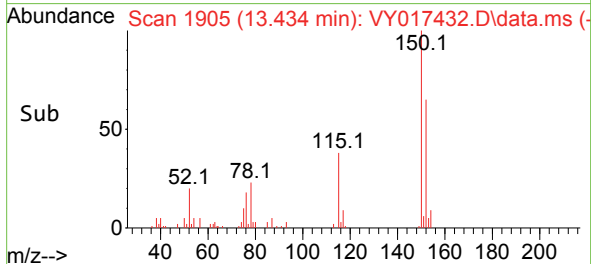
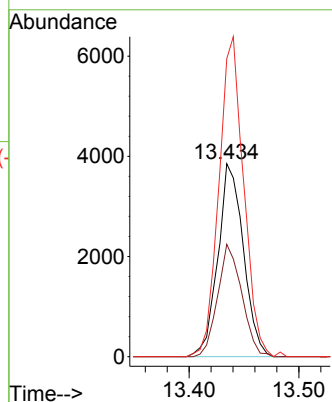
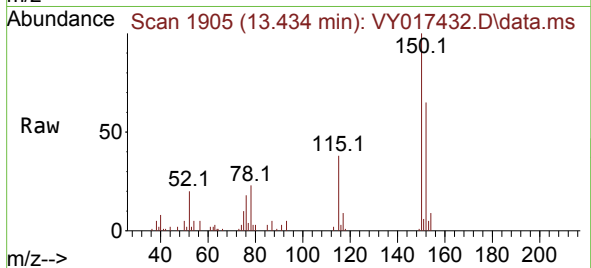




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.434 min Scan# 1905
Delta R.T. 0.000 min
Lab File: VY017432.D
Acq: 21 Feb 2024 12:58

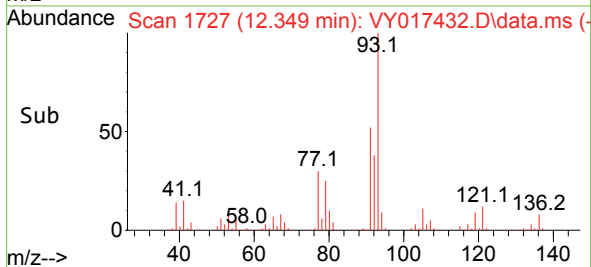
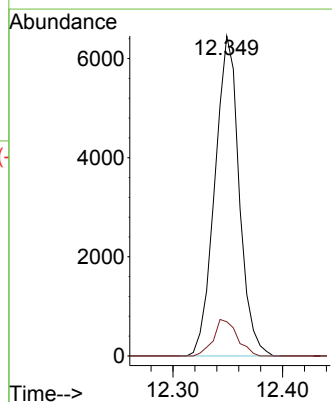
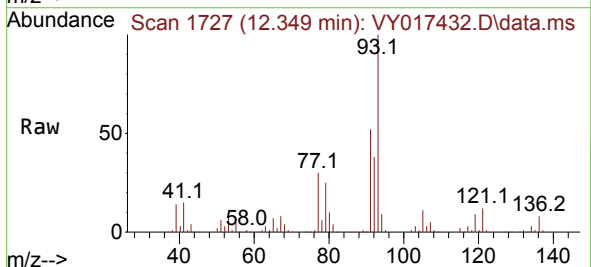
Instrument :
MSVOA_Y
ClientSampleId :
287

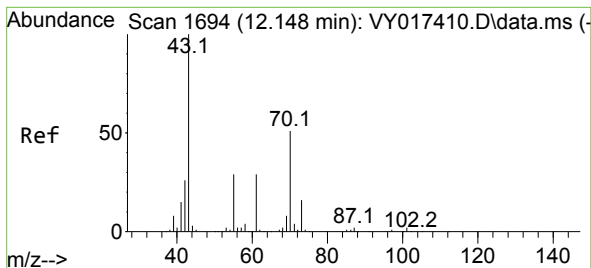
Tgt Ion:152 Resp: 6227
Ion Ratio Lower Upper
152 100
115 55.1 28.2 84.7
150 161.0 0.0 345.6



#73
Isopropylbenzene
Concen: 20.736 ug/l
RT: 12.349 min Scan# 1727
Delta R.T. 0.012 min
Lab File: VY017432.D
Acq: 21 Feb 2024 12:58

Tgt Ion:105 Resp: 9974
Ion Ratio Lower Upper
105 100
120 11.1 13.4 40.1#





#74

N-amy1 acetate

Concen: 46.077 ug/l

RT: 12.349 min Scan# 1

Delta R.T. 0.201 min

Lab File: VY017432.D

Acq: 21 Feb 2024 12:58

Instrument :

MSVOA_Y

ClientSampleId :

287

Tgt Ion: 43 Resp: 3859

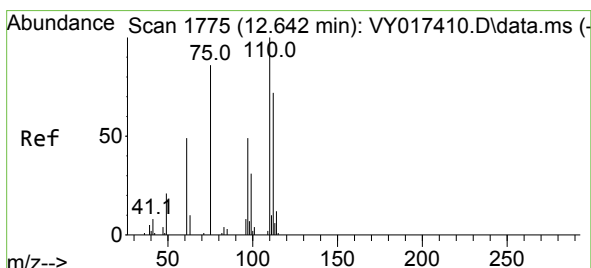
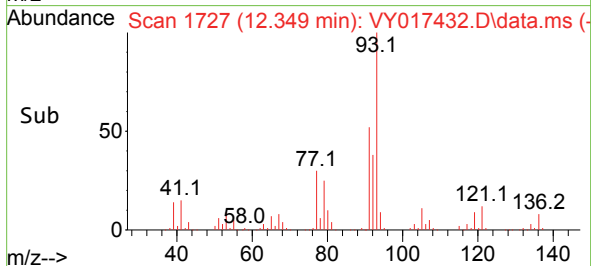
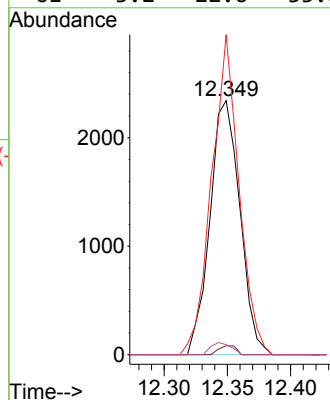
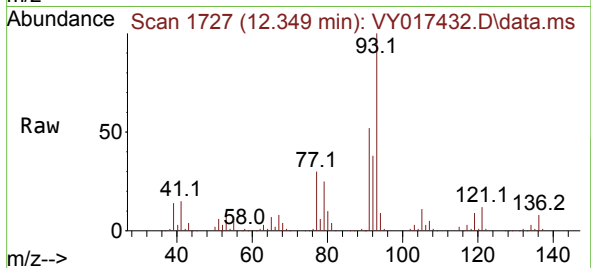
Ion Ratio Lower Upper

43 100

70 2.0 41.4 62.2#

55 114.9 23.3 34.9#

61 3.2 22.6 33.8#



#76

1,2,3-Trichloropropane

Concen: 46.260 ug/l

RT: 12.495 min Scan# 1751

Delta R.T. -0.146 min

Lab File: VY017432.D

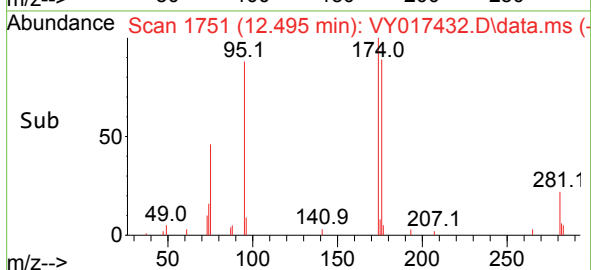
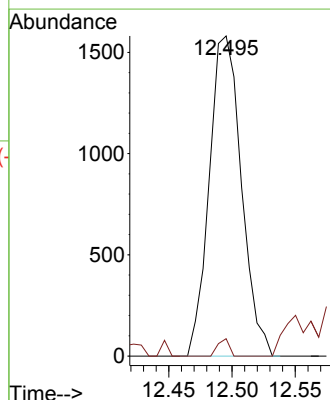
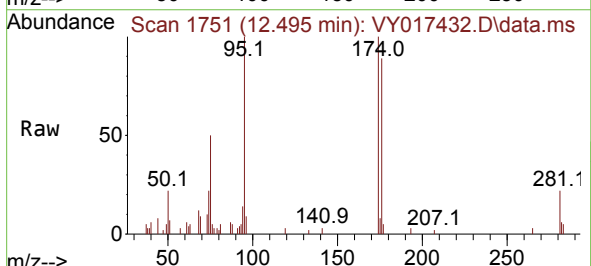
Acq: 21 Feb 2024 12:58

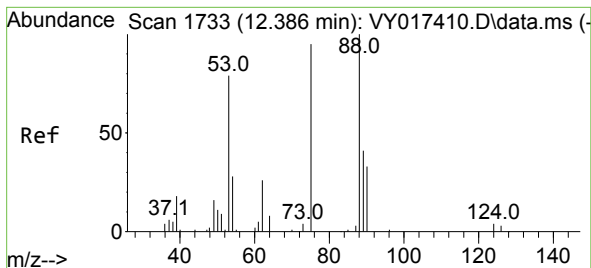
Tgt Ion: 75 Resp: 2793

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

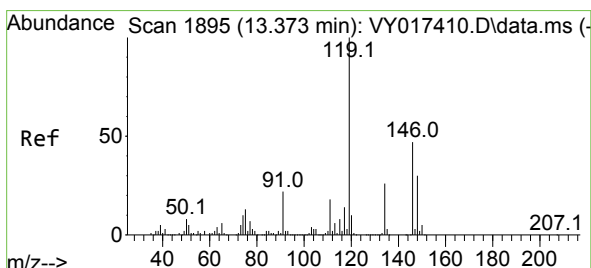
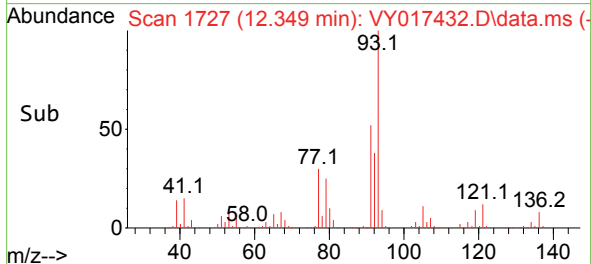
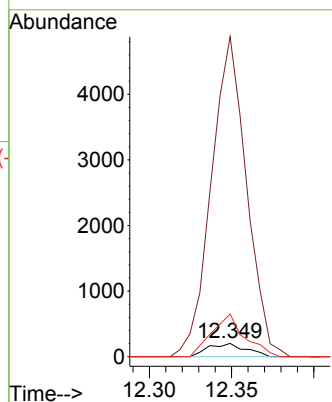
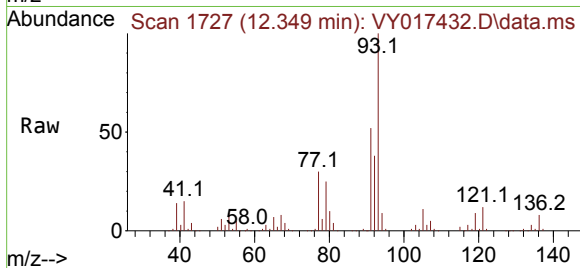




#81
trans-1,4-Dichloro-2-butene
Concen: 12.473 ug/l
RT: 12.349 min Scan# 1727
Delta R.T. -0.037 min
Lab File: VY017432.D
Acq: 21 Feb 2024 12:58

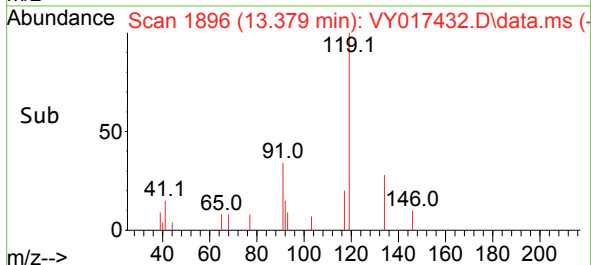
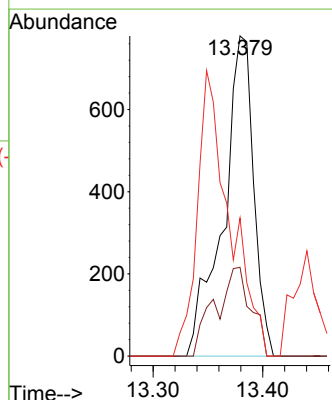
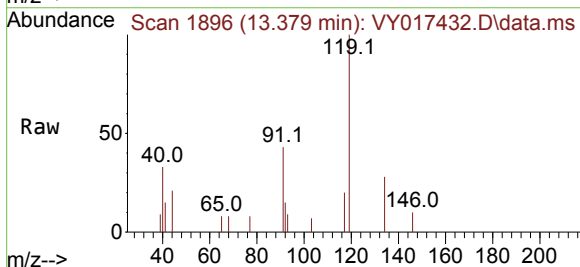
Instrument :
MSVOA_Y
ClientSampleId :
287

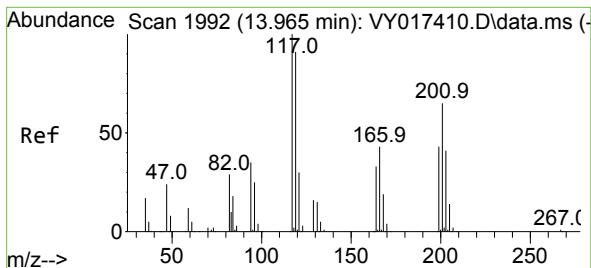
Tgt Ion: 75 Resp: 323
Ion Ratio Lower Upper
75 100
53 2250.5 66.8 100.2#
89 280.2 35.8 53.6#



#86
p-Isopropyltoluene
Concen: 3.544 ug/l
RT: 13.379 min Scan# 1896
Delta R.T. 0.006 min
Lab File: VY017432.D
Acq: 21 Feb 2024 12:58

Tgt Ion: 119 Resp: 1506
Ion Ratio Lower Upper
119 100
134 32.5 13.1 39.3
91 0.0 10.7 32.1#





#90

Hexachloroethane

Concen: 1.621 ug/l

RT: 14.044 min Scan# 2005

Delta R.T. 0.079 min

Lab File: VY017432.D

Acq: 21 Feb 2024 12:58

Instrument :

MSVOA_Y

ClientSampleId :

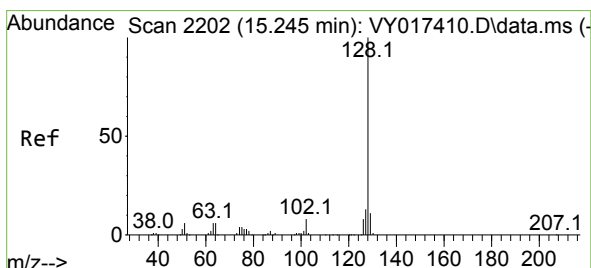
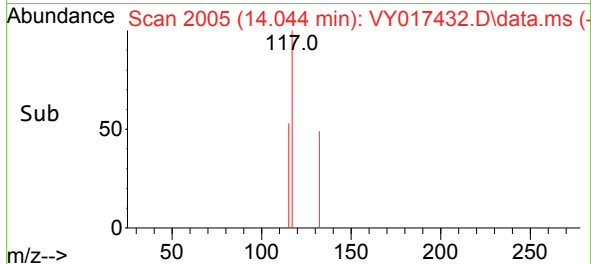
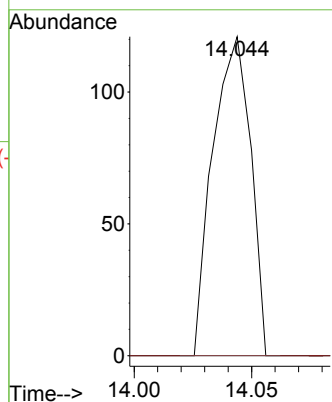
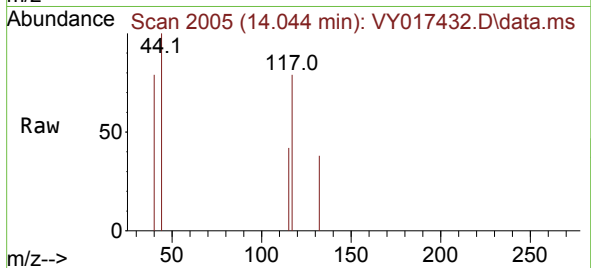
287

Tgt Ion:117 Resp: 135

Ion Ratio Lower Upper

117 100

201 0.0 37.4 112.2#



#95

Naphthalene

Concen: 7.631 ug/l

RT: 15.245 min Scan# 2202

Delta R.T. -0.000 min

Lab File: VY017432.D

Acq: 21 Feb 2024 12:58

Tgt Ion:128 Resp: 820

Ion Ratio Lower Upper

128 100

127 9.8 10.6 16.0#

129 0.0 8.6 13.0#

