

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022924\
 Data File : VY017534.D
 Acq On : 29 Feb 2024 17:41
 Operator : SY/MD
 Sample : P1653-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 294

Quant Time: Mar 01 00:33:10 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022324S.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 24 04:41:20 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	56725	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	89117	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	75293	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	26011	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	26620	49.516	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.040%
35) Dibromofluoromethane	7.728	113	30394	48.944	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.880%
50) Toluene-d8	10.185	98	100558	46.314	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	92.620%
62) 4-Bromofluorobenzene	12.483	95	23488	34.422	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	68.840%

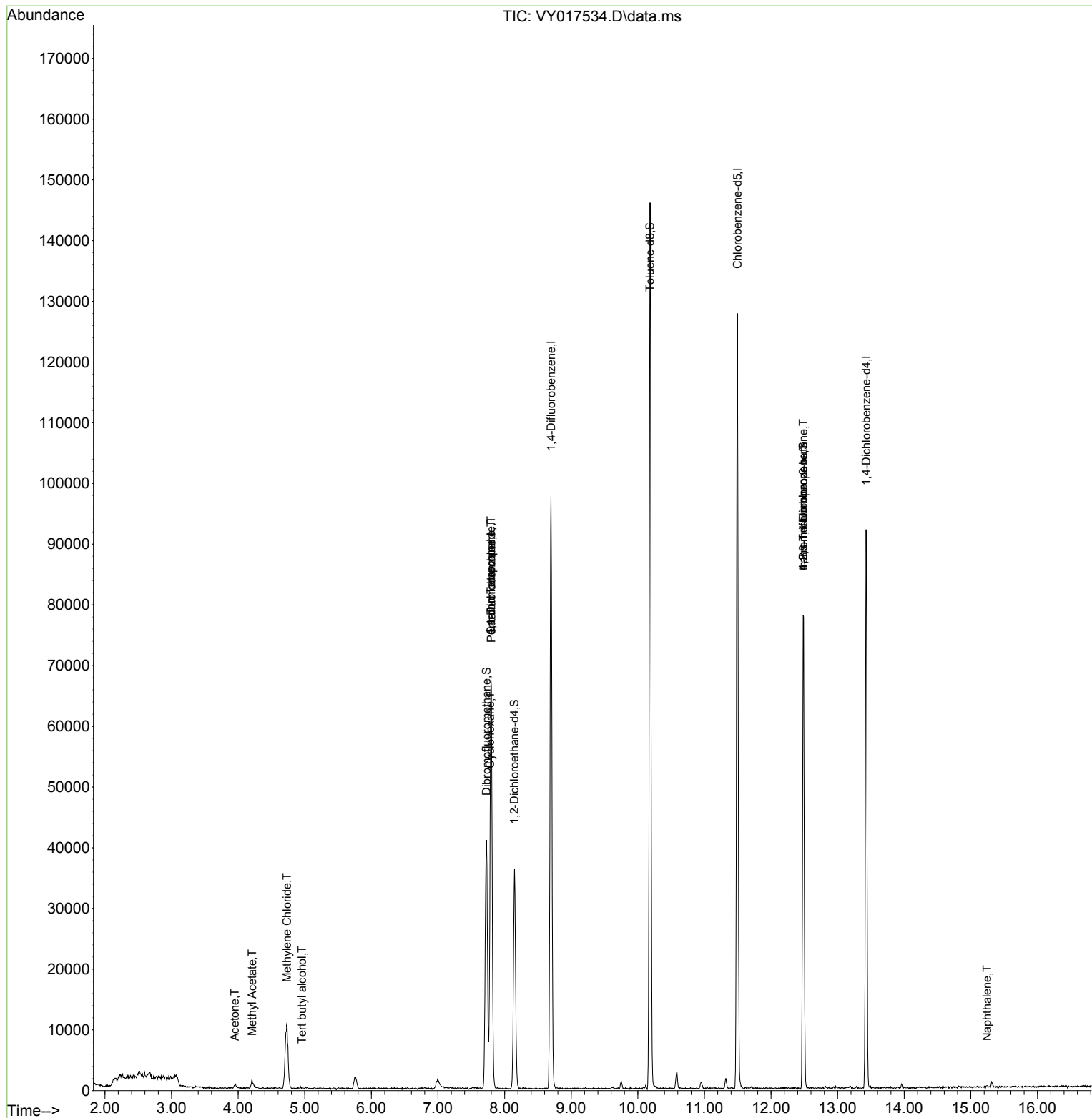
Target Compounds			Qvalue			
11) Tert butyl alcohol	4.960	59	65	1.423	ug/l #	88
16) Acetone	3.948	43	1042	9.993	ug/l #	76
18) Methyl Acetate	4.210	43	502	1.984	ug/l #	46
20) Methylene Chloride	4.735	84	8681	9.762	ug/l	94
31) Cyclohexane	7.783	56	899	1.028	ug/l #	6
36) 1,1-Dichloropropene	7.795	75	4040	4.822	ug/l #	43
38) Carbon Tetrachloride	7.795	117	5109	6.084	ug/l #	17
76) 1,2,3-Trichloropropane	12.483	75	11728	47.454	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	11728	109.039	ug/l #	16
95) Naphthalene	15.245	128	491	4.471	ug/l #	75

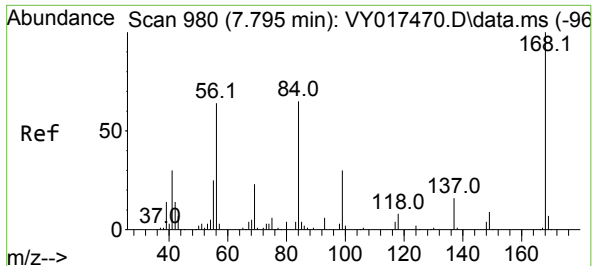
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

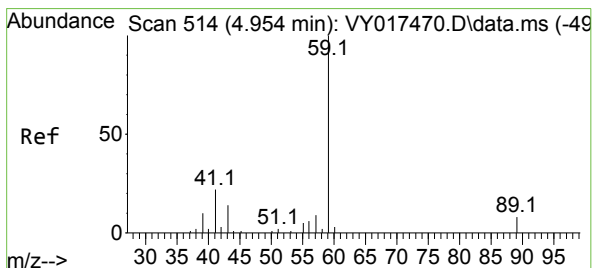
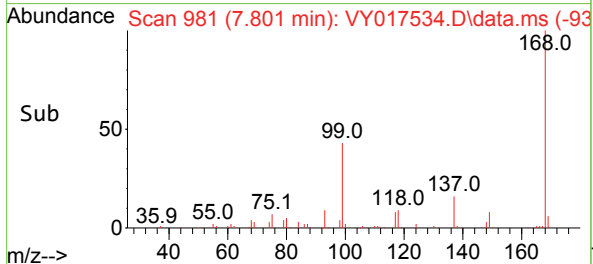
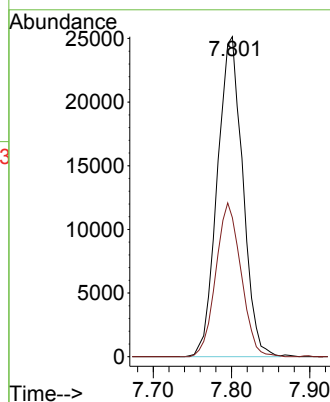
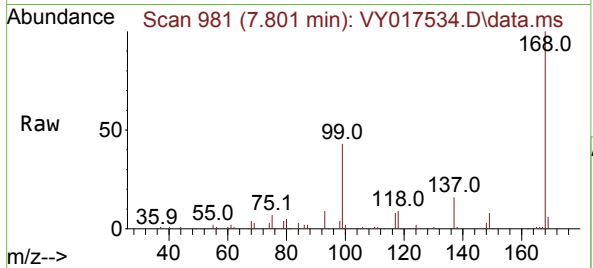




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY017534.D
Acq: 29 Feb 2024 17:41

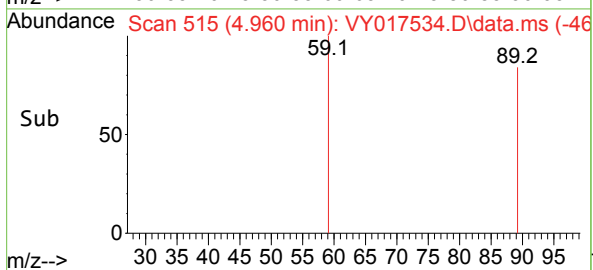
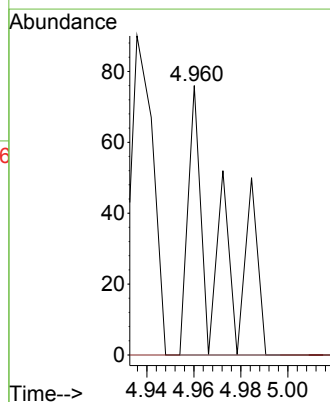
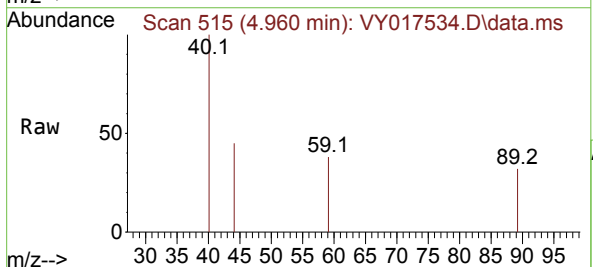
Instrument :
MSVOA_Y
ClientSampleId :
294

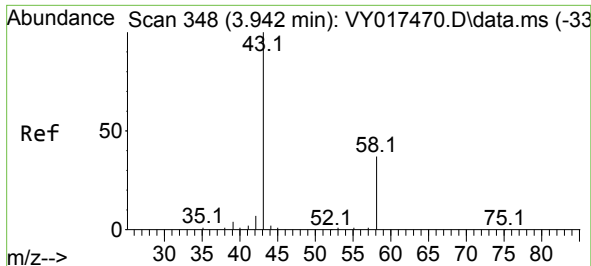
Tgt Ion:168 Resp: 56725
Ion Ratio Lower Upper
168 100
99 43.4 39.1 58.7



#11
Tert butyl alcohol
Concen: 1.423 ug/l
RT: 4.960 min Scan# 515
Delta R.T. 0.006 min
Lab File: VY017534.D
Acq: 29 Feb 2024 17:41

Tgt Ion: 59 Resp: 65
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.6#





#16

Acetone

Concen: 9.993 ug/l

RT: 3.948 min Scan# 348

Delta R.T. 0.006 min

Lab File: VY017534.D

Acq: 29 Feb 2024 17:41

Instrument :

MSVOA_Y

ClientSampleId :

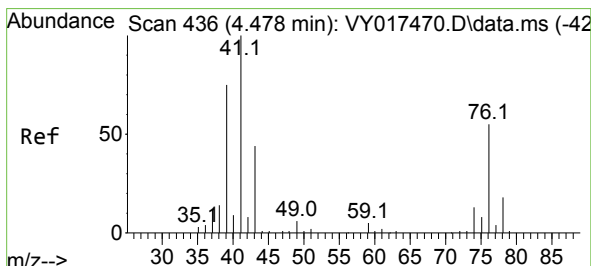
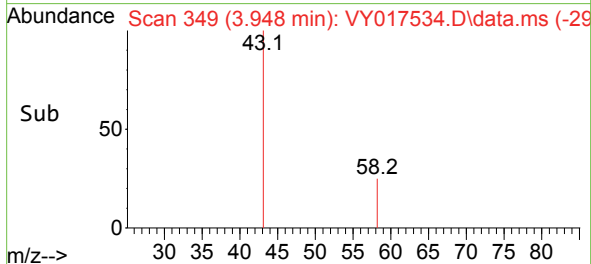
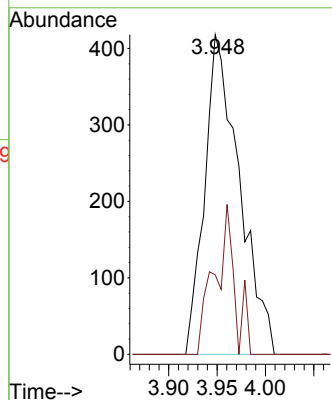
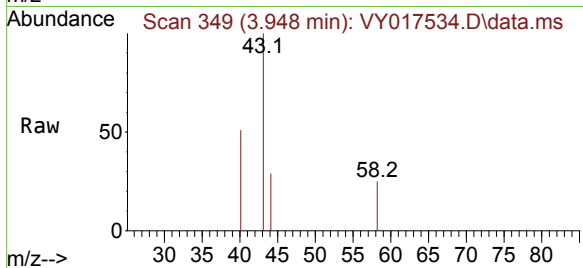
294

Tgt Ion: 43 Resp: 1042

Ion Ratio Lower Upper

43 100

58 24.9 31.7 47.5#



#18

Methyl Acetate

Concen: 1.984 ug/l

RT: 4.210 min Scan# 392

Delta R.T. -0.268 min

Lab File: VY017534.D

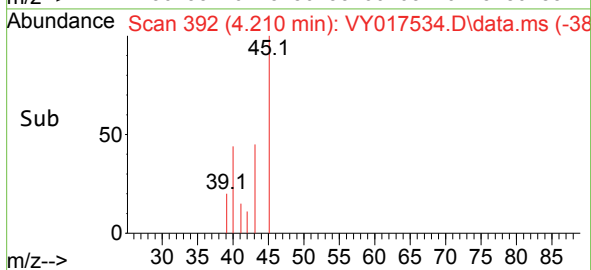
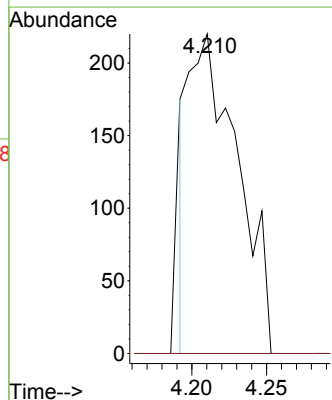
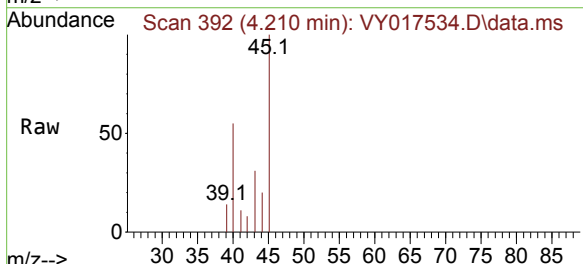
Acq: 29 Feb 2024 17:41

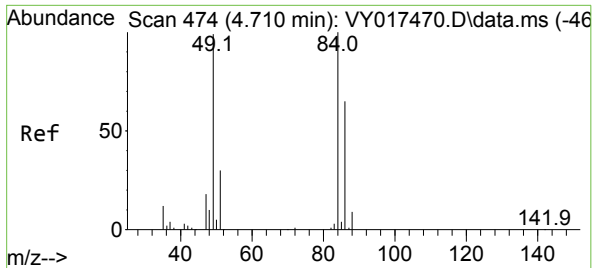
Tgt Ion: 43 Resp: 502

Ion Ratio Lower Upper

43 100

74 0.0 23.3 34.9#

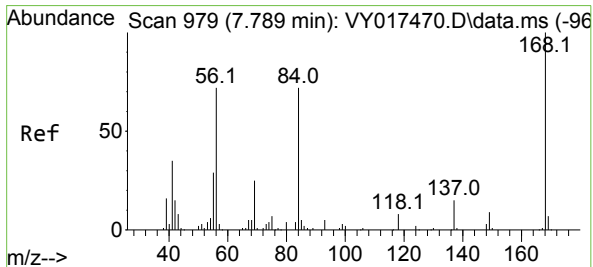
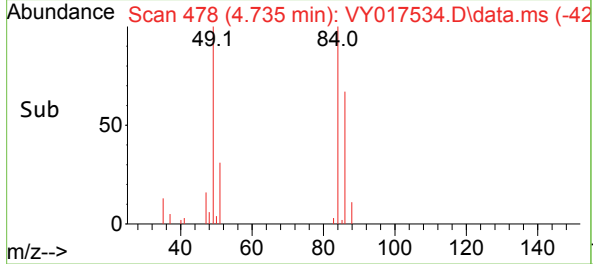
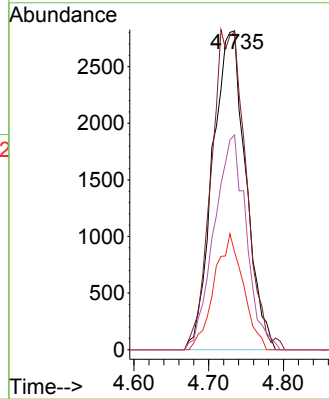
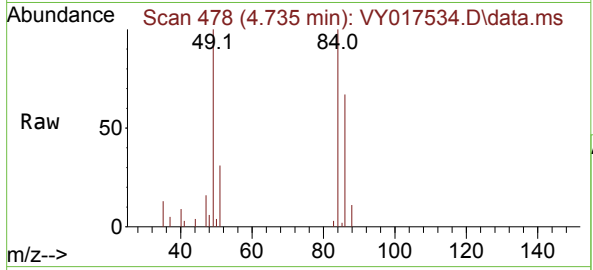




#20
Methylene Chloride
Concen: 9.762 ug/l
RT: 4.735 min Scan# 41
Delta R.T. 0.025 min
Lab File: VY017534.D
Acq: 29 Feb 2024 17:41

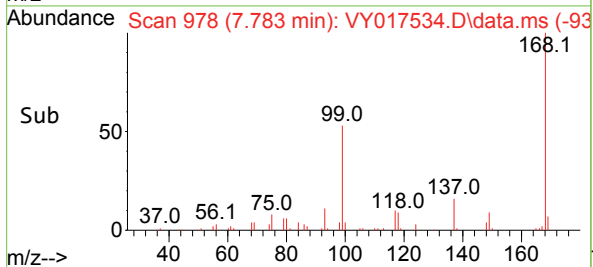
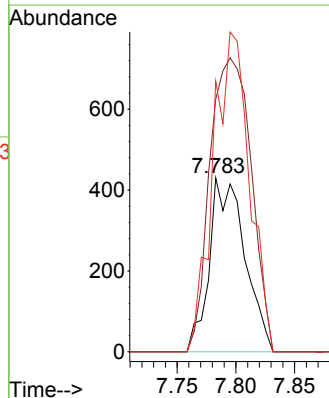
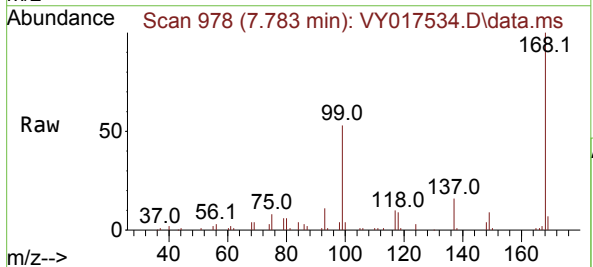
Instrument :
MSVOA_Y
ClientSampleId :
294

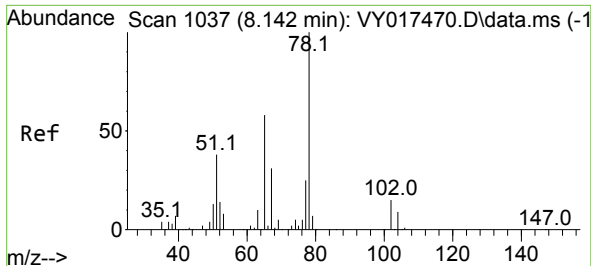
Tgt Ion:	84	Resp:	8681
Ion	Ratio	Lower	Upper
84	100		
49	99.6	84.4	126.6
51	30.6	26.0	39.0
86	67.3	49.5	74.3



#31
Cyclohexane
Concen: 1.028 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.006 min
Lab File: VY017534.D
Acq: 29 Feb 2024 17:41

Tgt Ion:	56	Resp:	899
Ion	Ratio	Lower	Upper
56	100		
69	145.3	28.7	43.1#
84	155.6	77.7	116.5#





#33

1,2-Dichloroethane-d4

Concen: 49.516 ug/l

RT: 8.149 min Scan# 110

Delta R.T. 0.006 min

Lab File: VY017534.D

Acq: 29 Feb 2024 17:41

Instrument :

MSVOA_Y

ClientSampleId :

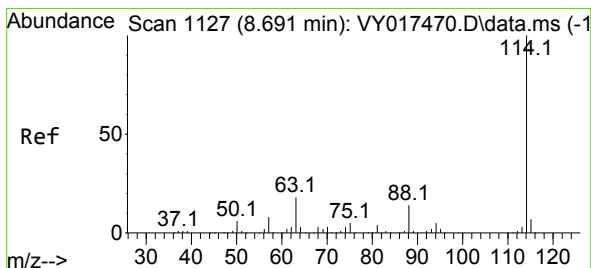
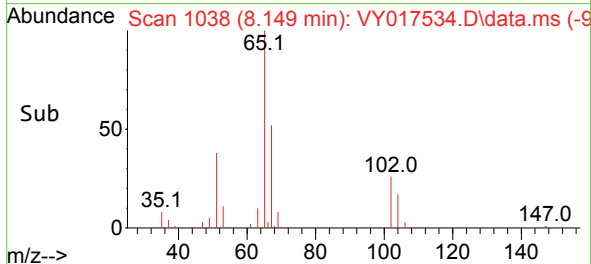
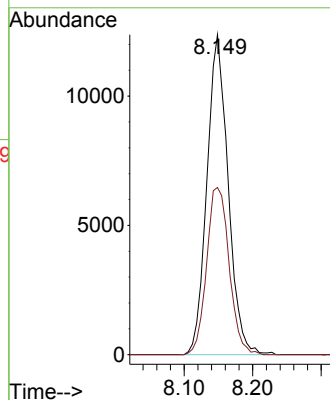
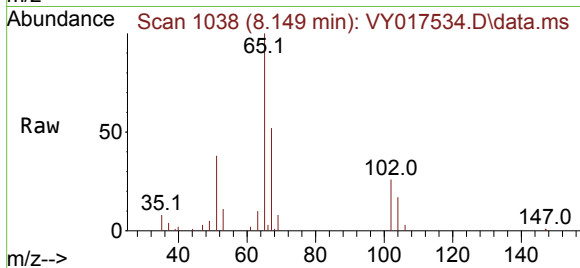
294

Tgt Ion: 65 Resp: 26620

Ion Ratio Lower Upper

65 100

67 55.6 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VY017534.D

Acq: 29 Feb 2024 17:41

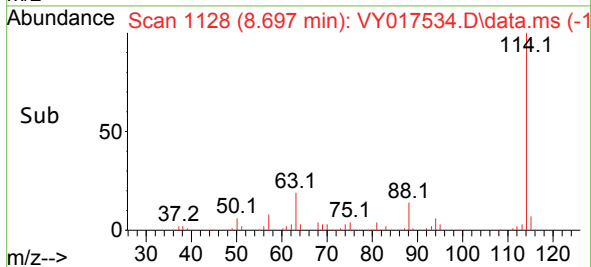
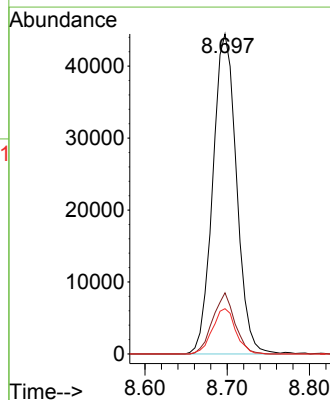
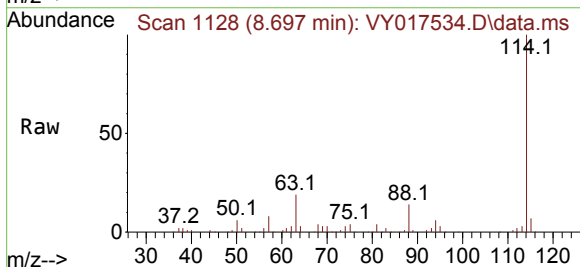
Tgt Ion:114 Resp: 89117

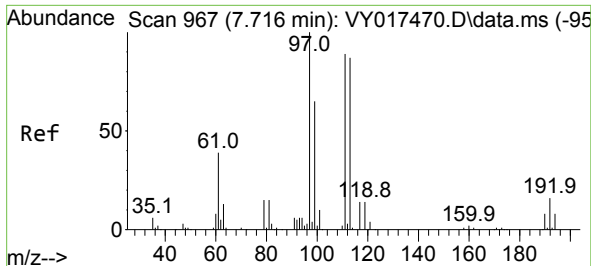
Ion Ratio Lower Upper

114 100

63 19.1 0.0 35.0

88 14.2 0.0 27.2

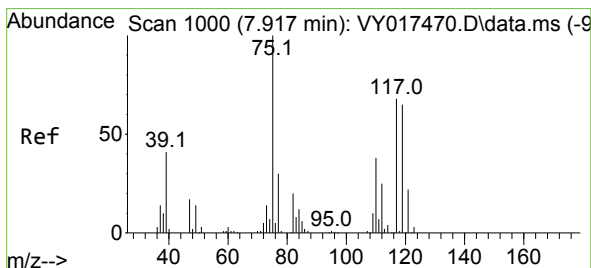
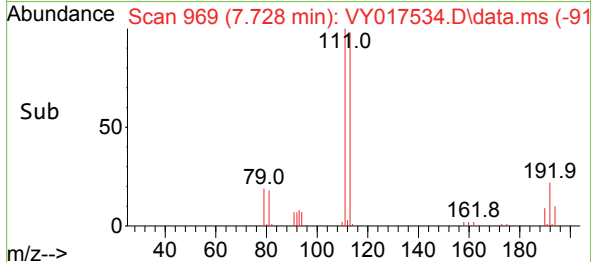
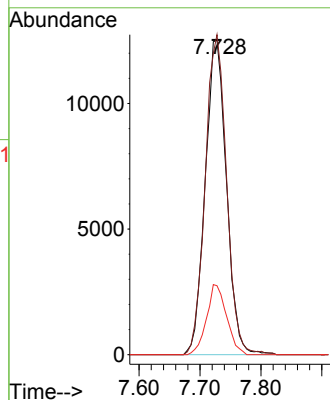
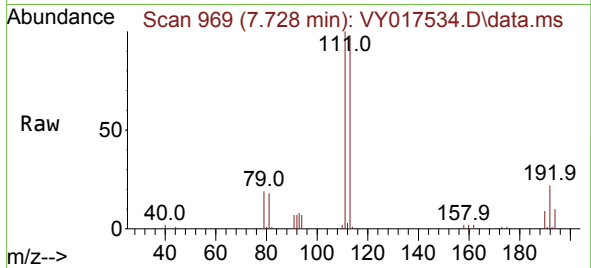




#35
Dibromofluoromethane
Concen: 48.944 ug/l
RT: 7.728 min Scan# 90
Delta R.T. 0.012 min
Lab File: VY017534.D
Acq: 29 Feb 2024 17:41

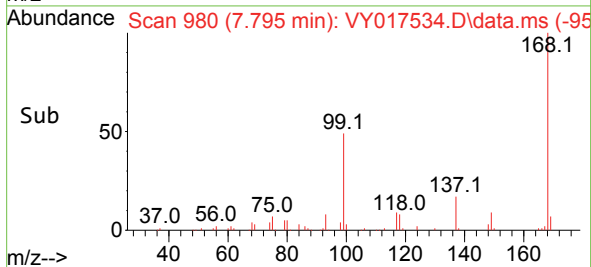
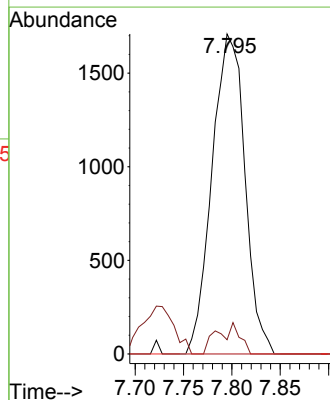
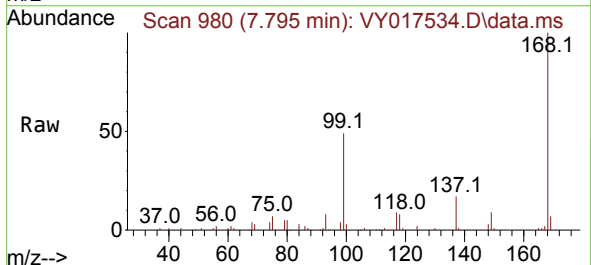
Instrument :
MSVOA_Y
ClientSampleId :
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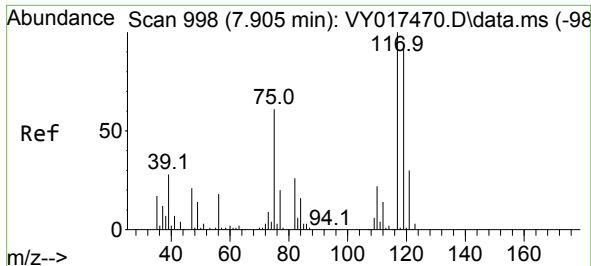
Tgt Ion:113 Resp: 30394
Ion Ratio Lower Upper
113 100
111 102.2 82.2 123.4
192 21.0 15.9 23.9



#36
1,1-Dichloropropene
Concen: 4.822 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.122 min
Lab File: VY017534.D
Acq: 29 Feb 2024 17:41

Tgt Ion: 75 Resp: 4040
Ion Ratio Lower Upper
75 100
110 3.6 19.0 57.0#
77 0.0 25.3 37.9#

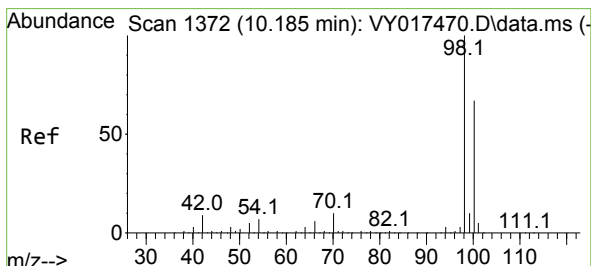
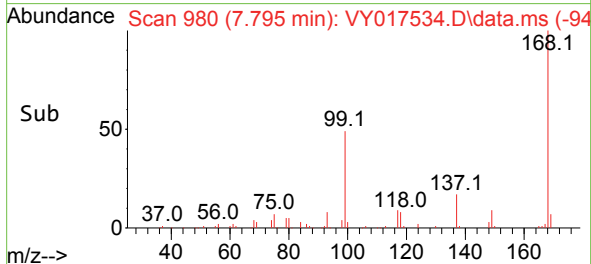
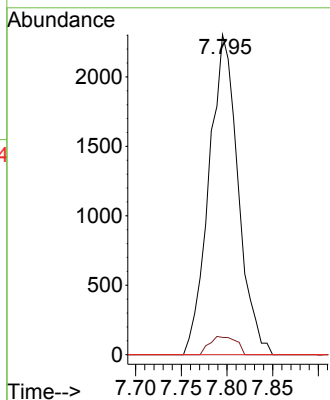
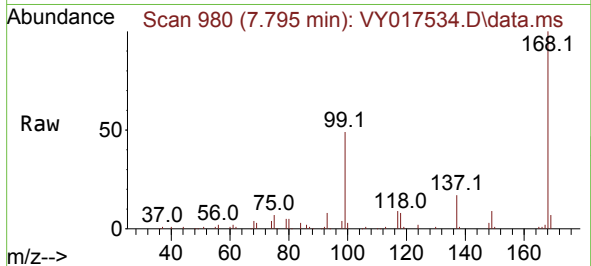




#38
Carbon Tetrachloride
Concen: 6.084 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY017534.D
Acq: 29 Feb 2024 17:41

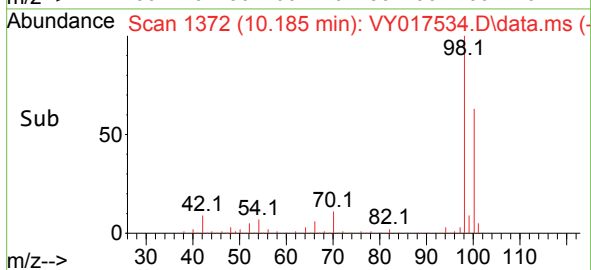
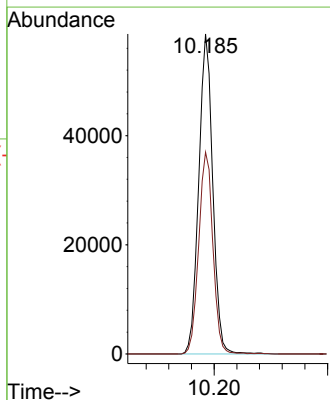
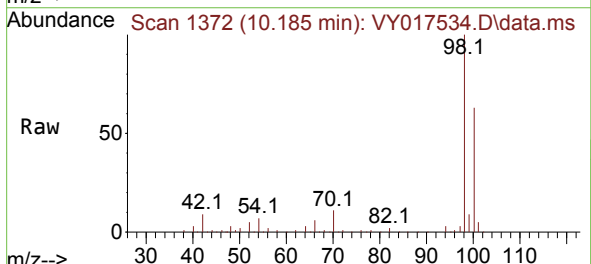
Instrument :
MSVOA_Y
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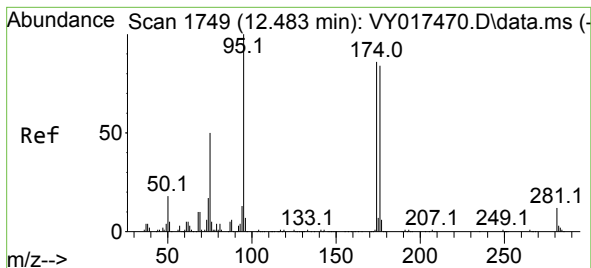
Tgt Ion:117 Resp: 5109
Ion Ratio Lower Upper
117 100
119 5.4 75.8 113.6#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 46.314 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY017534.D
Acq: 29 Feb 2024 17:41

Tgt Ion: 98 Resp: 100558
Ion Ratio Lower Upper
98 100
100 64.0 52.0 78.0

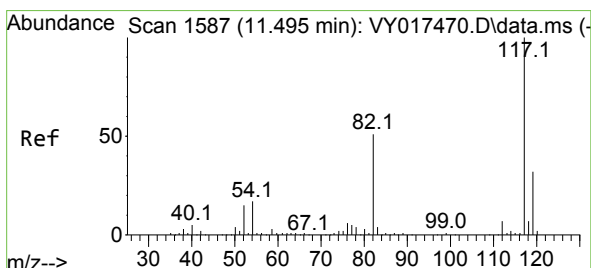
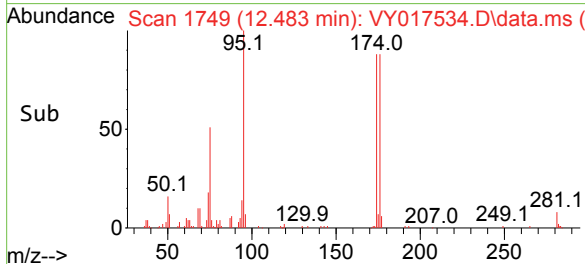
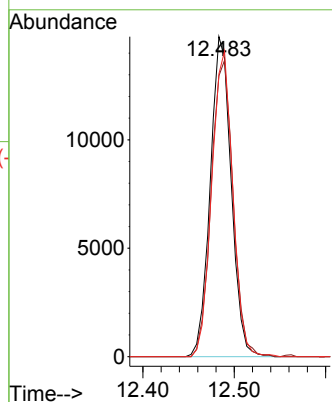
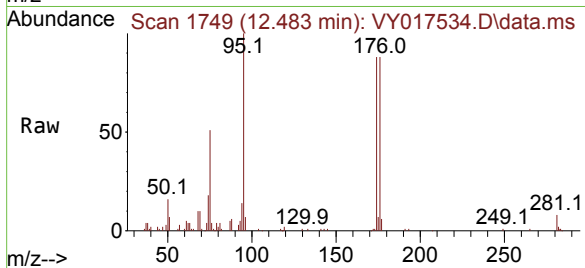




#62
4-Bromofluorobenzene
Concen: 34.422 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY017534.D
Acq: 29 Feb 2024 17:41

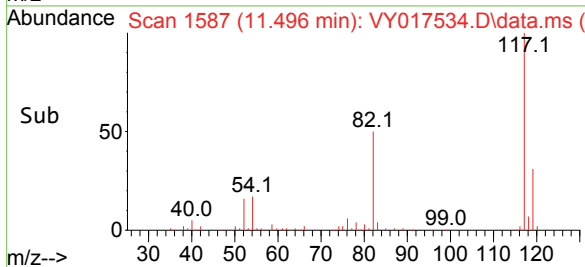
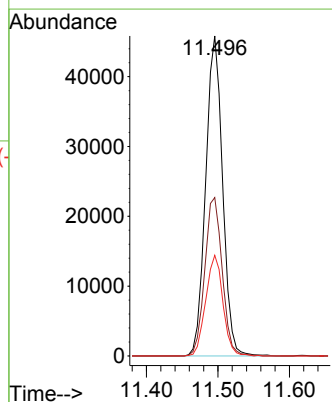
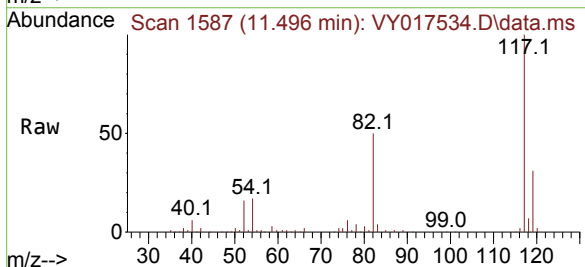
Instrument :
MSVOA_Y
ClientSampleId :
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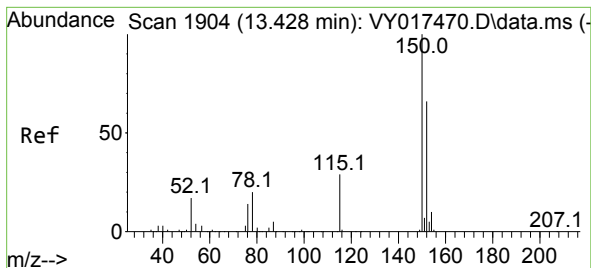
Tgt Ion: 95 Resp: 23488
Ion Ratio Lower Upper
95 100
174 96.1 0.0 175.6
176 96.0 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VY017534.D
Acq: 29 Feb 2024 17:41

Tgt Ion: 117 Resp: 75293
Ion Ratio Lower Upper
117 100
82 49.5 42.4 63.6
119 31.4 25.9 38.9

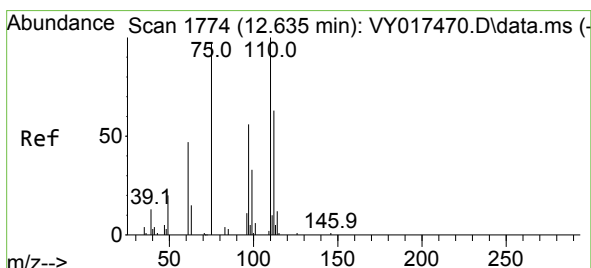
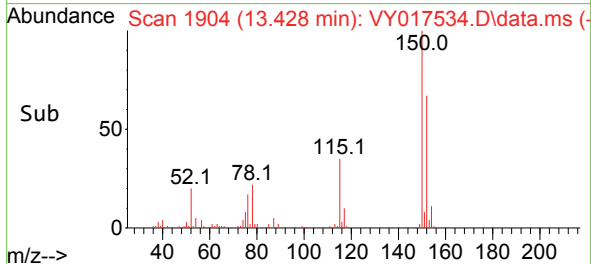
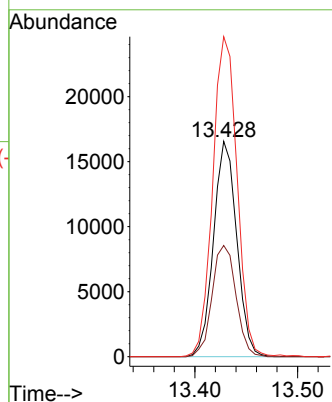
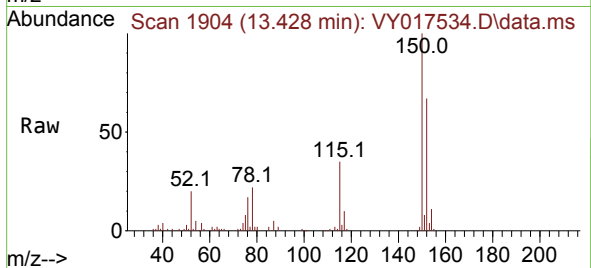




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY017534.D
 Acq: 29 Feb 2024 17:41

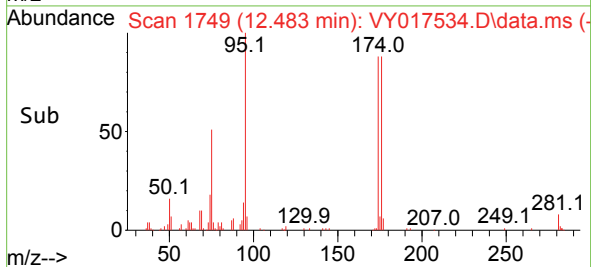
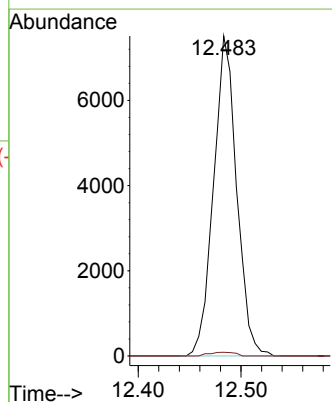
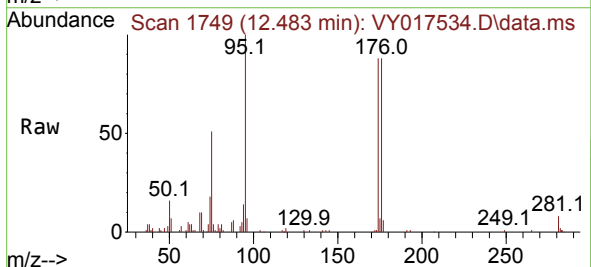
Instrument :
 MSVOA_Y
 ClientSampleId :
 294

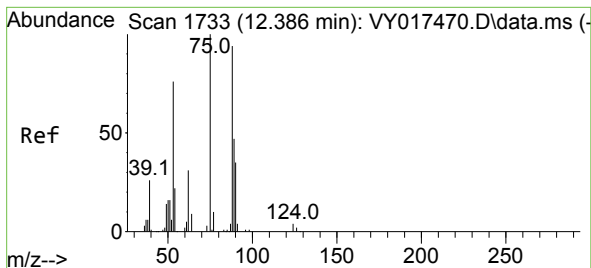
Tgt Ion:152 Resp: 26011
 Ion Ratio Lower Upper
 152 100
 115 53.1 28.2 84.7
 150 156.0 0.0 345.6



#76
 1,2,3-Trichloropropane
 Concen: 47.454 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.152 min
 Lab File: VY017534.D
 Acq: 29 Feb 2024 17:41

Tgt Ion: 75 Resp: 11728
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#

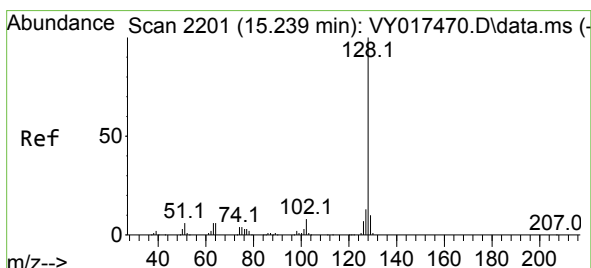
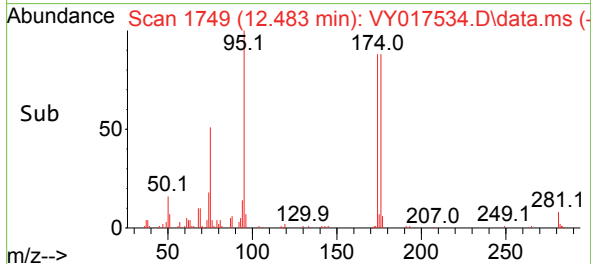
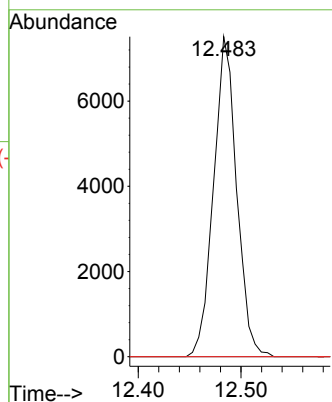
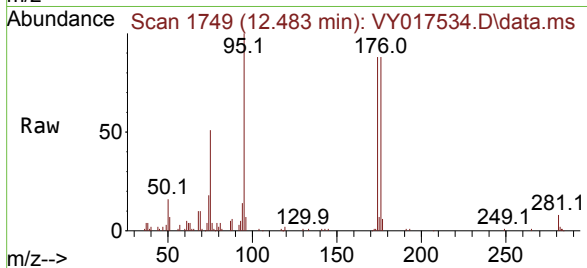




#81
trans-1,4-Dichloro-2-butene
Concen: 109.039 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.098 min
Lab File: VY017534.D
Acq: 29 Feb 2024 17:41

Instrument :
MSVOA_Y
ClientSampleId :
294

Tgt Ion: 75 Resp: 11728
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.0 35.8 53.6#



#95
Naphthalene
Concen: 4.471 ug/l
RT: 15.245 min Scan# 2202
Delta R.T. 0.006 min
Lab File: VY017534.D
Acq: 29 Feb 2024 17:41

Tgt Ion:128 Resp: 491
Ion Ratio Lower Upper
128 100
127 4.3 10.6 16.0#
129 0.0 8.6 13.0#

