

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022124\
 Data File : VY017442.D
 Acq On : 21 Feb 2024 16:52
 Operator : SY/MD
 Sample : P1537-09
 Misc : 3.86g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 9

Quant Time: Feb 22 03:40:17 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)

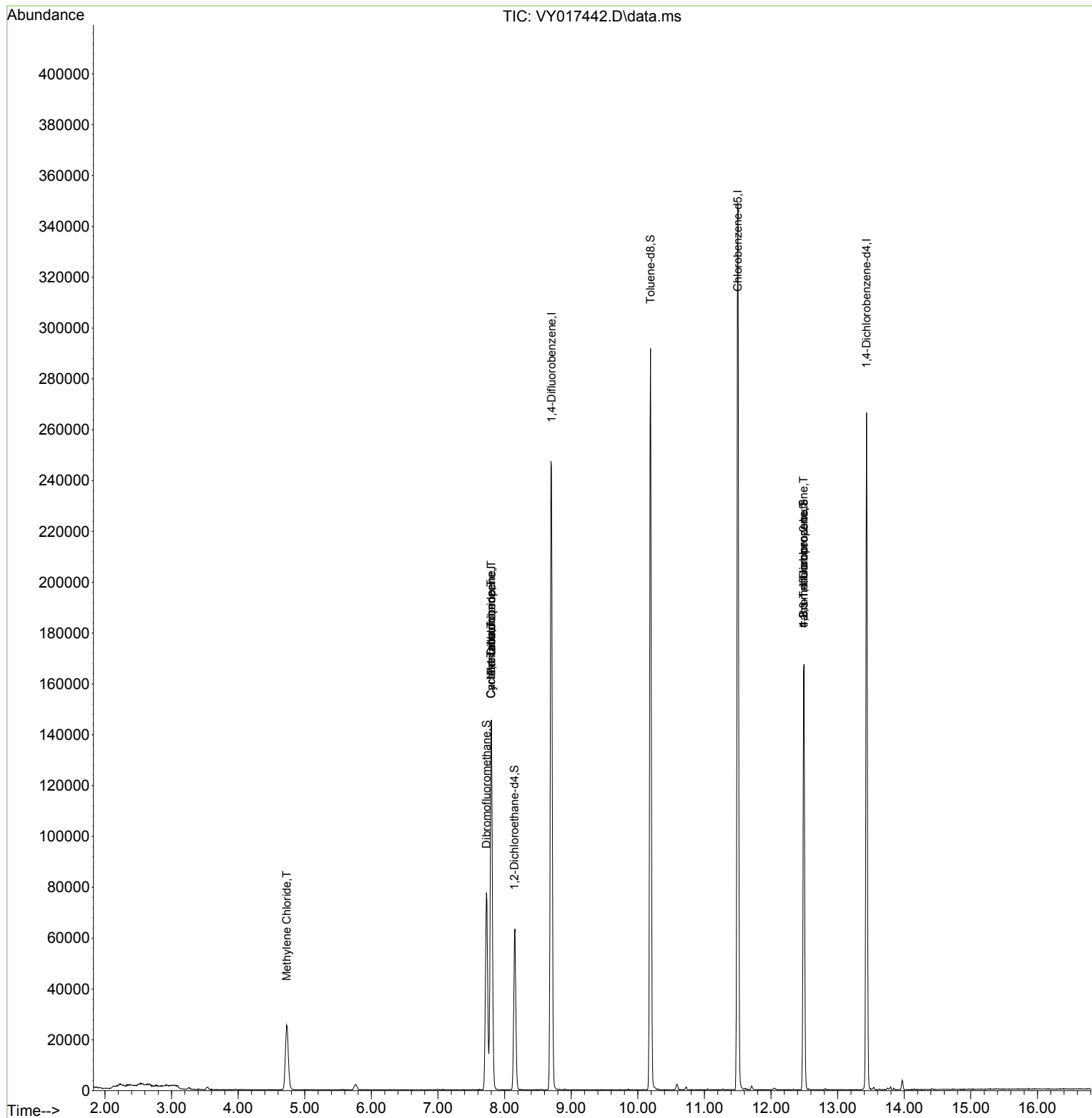
Internal Standards						
1) Pentafluorobenzene	7.801	168	118795	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	230810	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	203083	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	70078	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	47084	46.395	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	92.780%
35) Dibromofluoromethane	7.728	113	55790	41.293	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	82.580%
50) Toluene-d8	10.191	98	194580	37.134	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	74.260%
62) 4-Bromofluorobenzene	12.489	95	49993	29.346	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	58.700%
Target Compounds						
5) Bromomethane	2.674	94	232	Below Cal		96
20) Methylene Chloride	4.728	84	20772	10.606	ug/l	95
31) Cyclohexane	7.795	56	2139	1.065	ug/l #	1
36) 1,1-Dichloropropene	7.801	75	8576	3.801	ug/l #	48
38) Carbon Tetrachloride	7.795	117	11117	4.948	ug/l #	18
76) 1,2,3-Trichloropropane	12.489	75	24806	36.508	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	24806	85.120	ug/l #	16

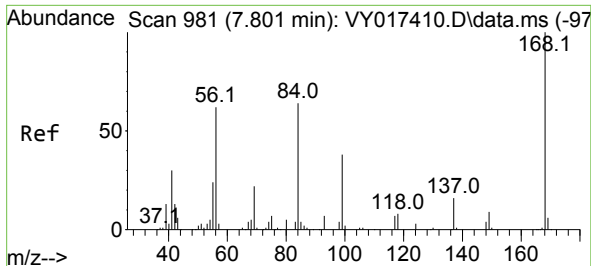
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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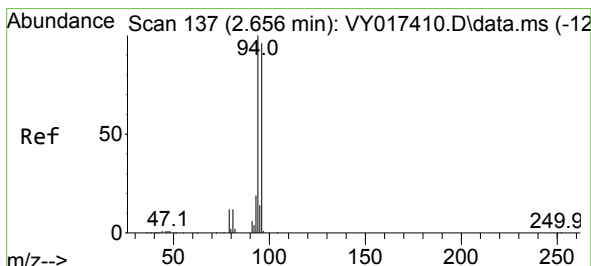
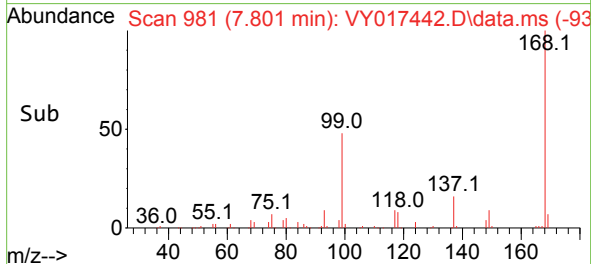
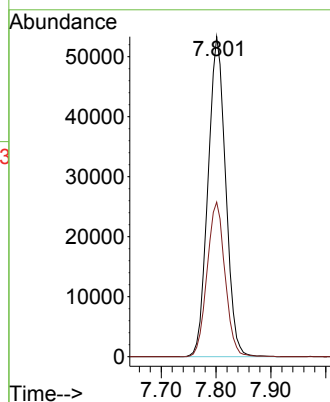
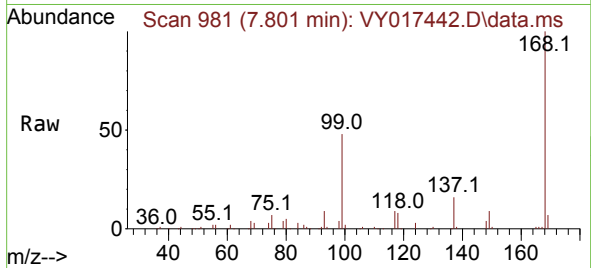




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY017442.D
Acq: 21 Feb 2024 16:52

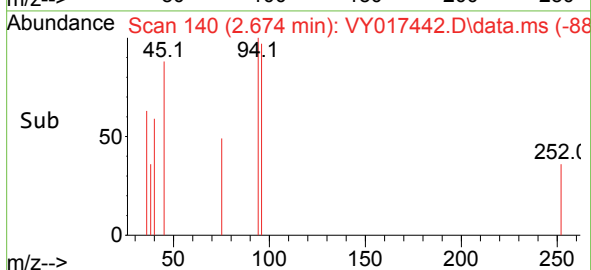
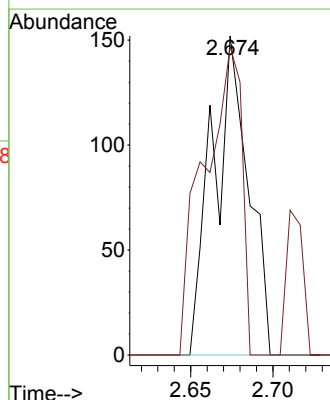
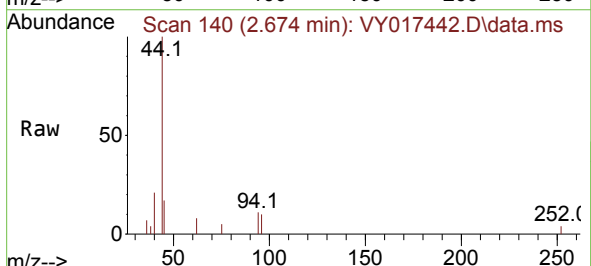
Instrument :
MSVOA_Y
ClientSampleId :
9

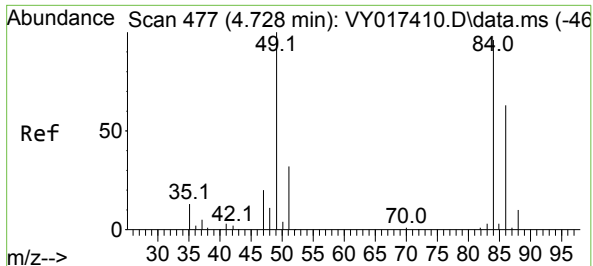
Tgt Ion:168 Resp: 118795
Ion Ratio Lower Upper
168 100
99 48.3 39.1 58.7



#5
Bromomethane
Concen: Below Cal
RT: 2.674 min Scan# 140
Delta R.T. 0.018 min
Lab File: VY017442.D
Acq: 21 Feb 2024 16:52

Tgt Ion: 94 Resp: 232
Ion Ratio Lower Upper
94 100
96 96.7 74.1 111.1





#20

Methylene Chloride

Concen: 10.606 ug/l

RT: 4.728 min Scan# 41

Delta R.T. 0.000 min

Lab File: VY017442.D

Acq: 21 Feb 2024 16:52

Instrument :

MSVOA_Y

ClientSampleId :

9

Tgt Ion: 84 Resp: 20772

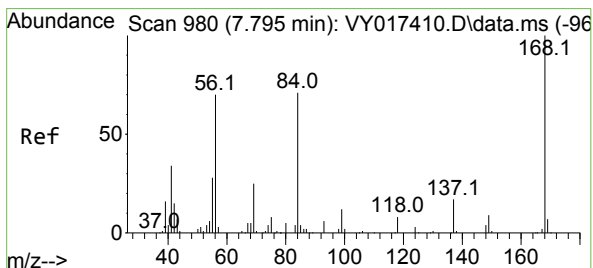
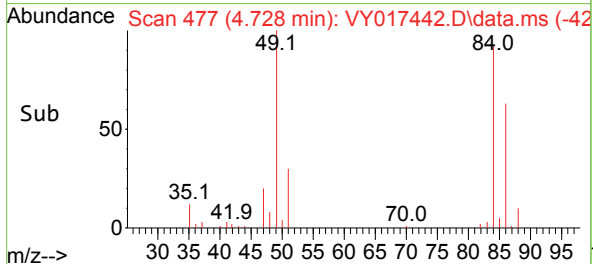
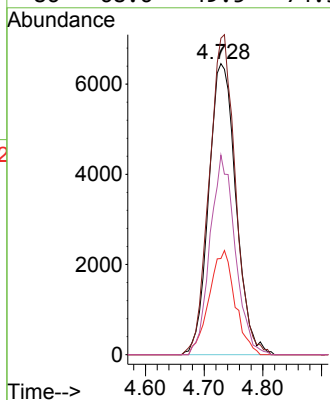
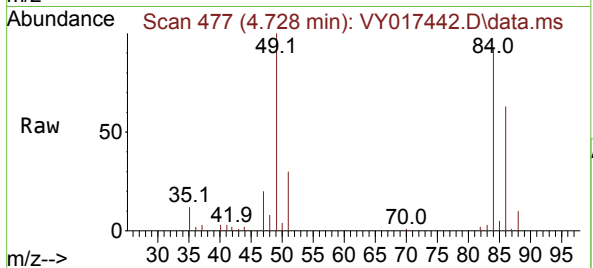
Ion Ratio Lower Upper

84 100

49 108.8 84.4 126.6

51 33.1 26.0 39.0

86 68.6 49.5 74.3



#31

Cyclohexane

Concen: 1.065 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.000 min

Lab File: VY017442.D

Acq: 21 Feb 2024 16:52

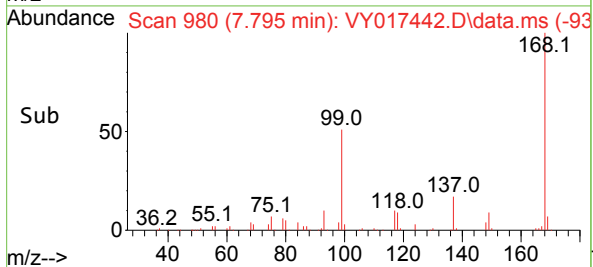
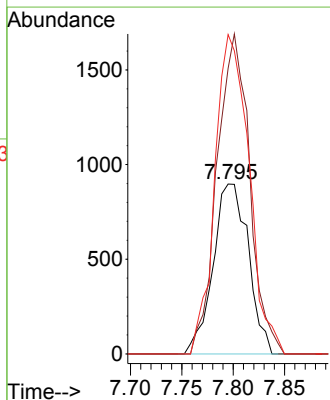
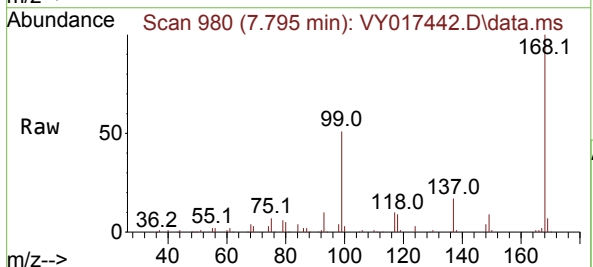
Tgt Ion: 56 Resp: 2139

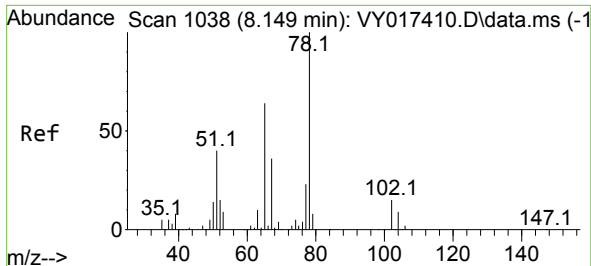
Ion Ratio Lower Upper

56 100

69 168.1 28.7 43.1#

84 188.1 77.7 116.5#





#33

1,2-Dichloroethane-d4

Concen: 46.395 ug/l

RT: 8.149 min Scan# 1109

Delta R.T. -0.000 min

Lab File: VY017442.D

Acq: 21 Feb 2024 16:52

Instrument :

MSVOA_Y

ClientSampleId :

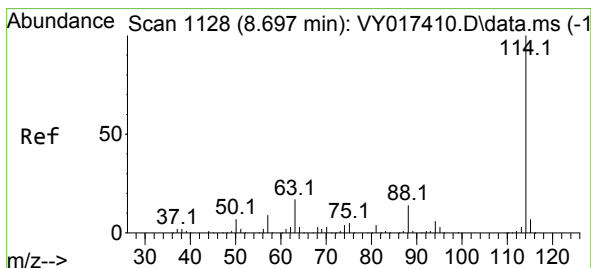
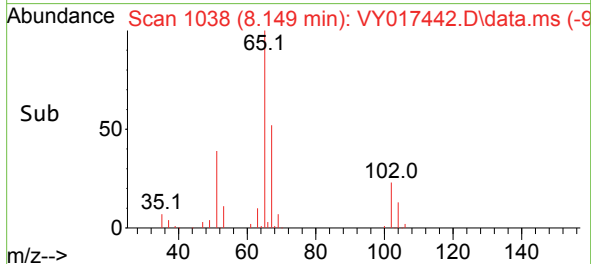
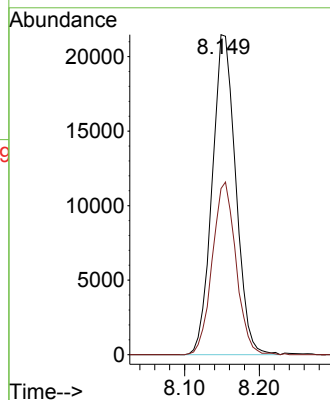
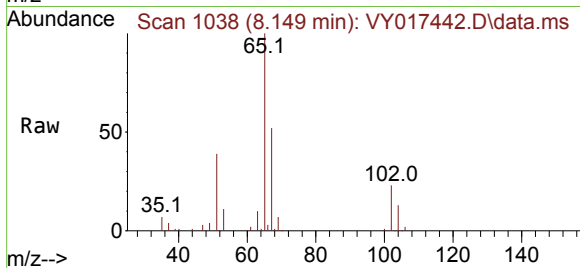
9

Tgt Ion: 65 Resp: 47084

Ion Ratio Lower Upper

65 100

67 54.2 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.703 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VY017442.D

Acq: 21 Feb 2024 16:52

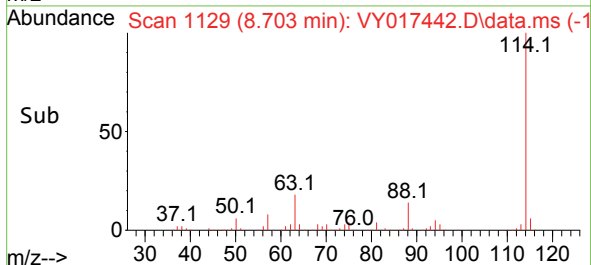
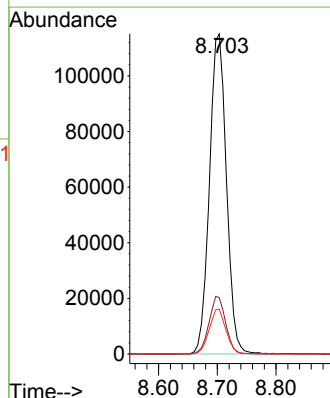
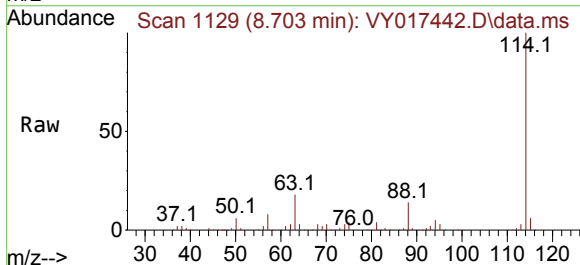
Tgt Ion:114 Resp: 230810

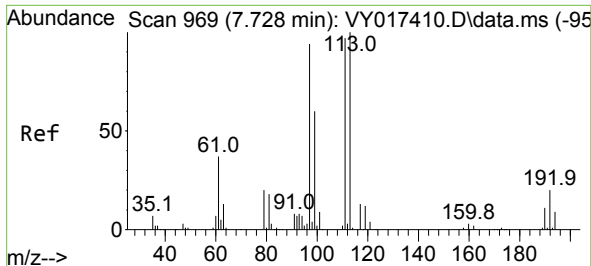
Ion Ratio Lower Upper

114 100

63 17.6 0.0 35.0

88 14.0 0.0 27.2

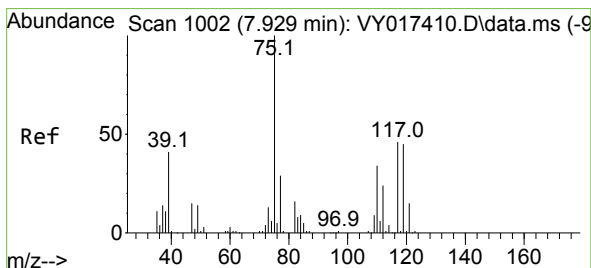
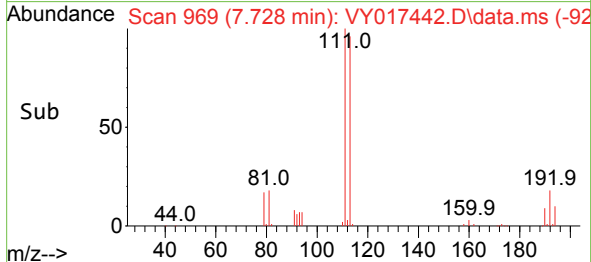
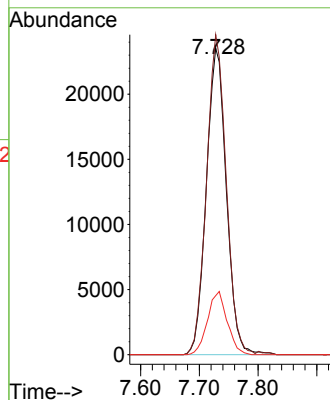
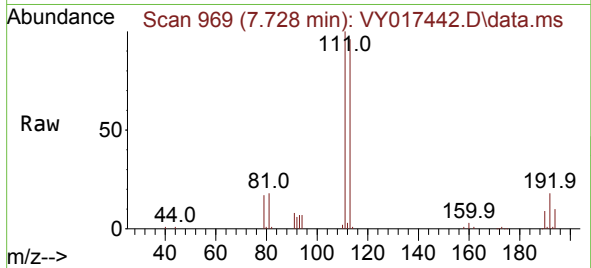




#35
Dibromofluoromethane
Concen: 41.293 ug/l
RT: 7.728 min Scan# 909
Delta R.T. -0.000 min
Lab File: VY017442.D
Acq: 21 Feb 2024 16:52

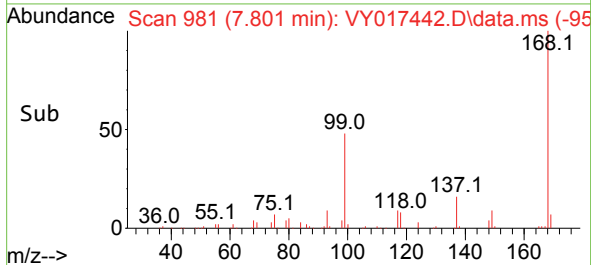
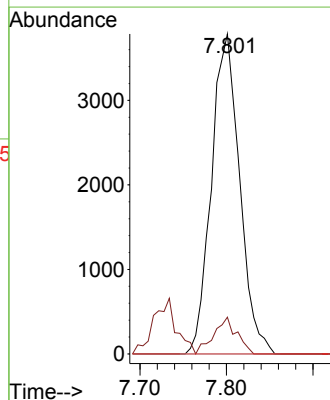
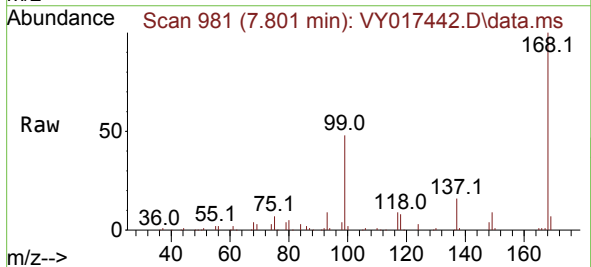
Instrument :
MSVOA_Y
ClientSampleId :
9

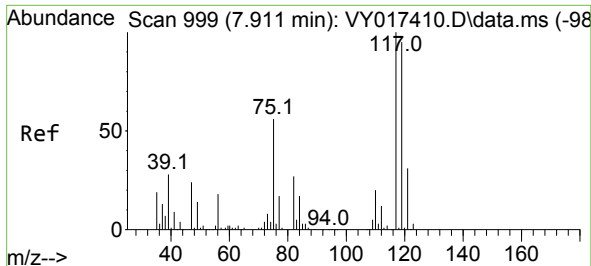
Tgt Ion:113 Resp: 55790
Ion Ratio Lower Upper
113 100
111 102.5 82.2 123.4
192 20.2 15.9 23.9



#36
1,1-Dichloropropene
Concen: 3.801 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.128 min
Lab File: VY017442.D
Acq: 21 Feb 2024 16:52

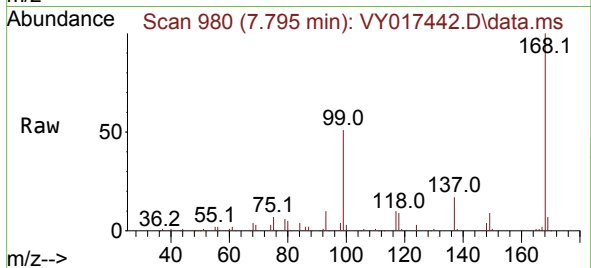
Tgt Ion: 75 Resp: 8576
Ion Ratio Lower Upper
75 100
110 9.3 19.0 57.0#
77 0.0 25.3 37.9#



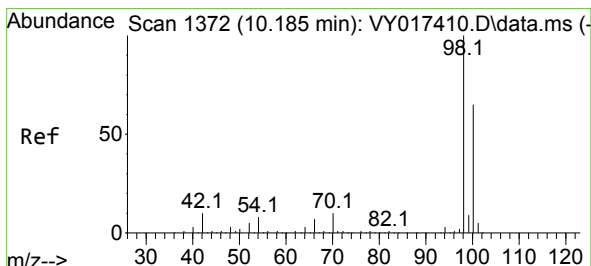
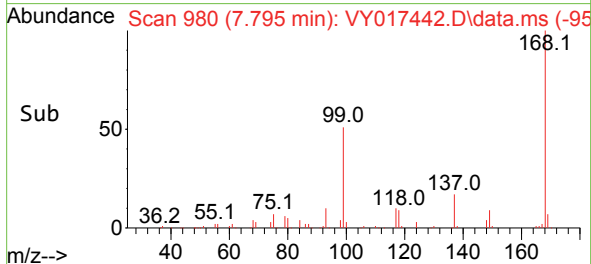
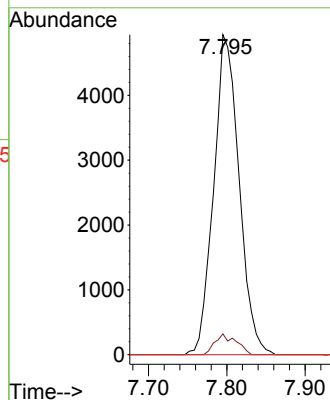


#38
Carbon Tetrachloride
Concen: 4.948 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY017442.D
Acq: 21 Feb 2024 16:52

Instrument :
MSVOA_Y
ClientSampleId :
9

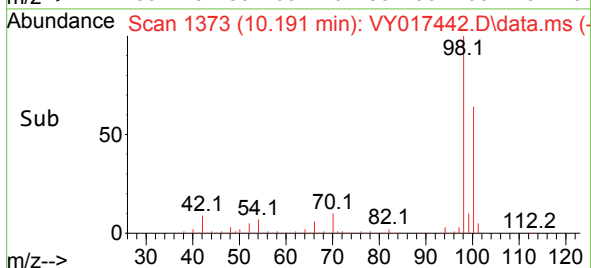
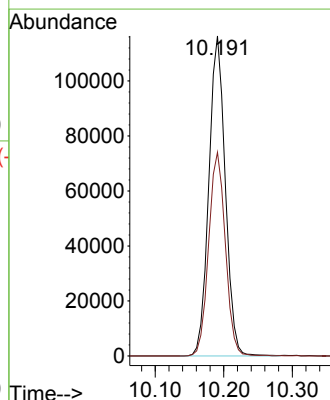
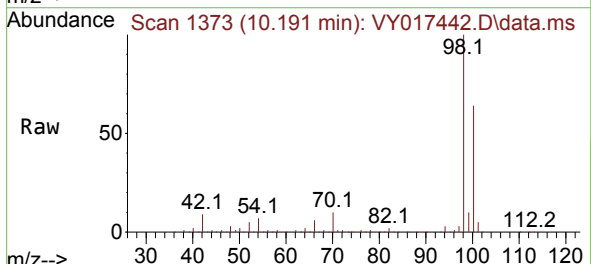


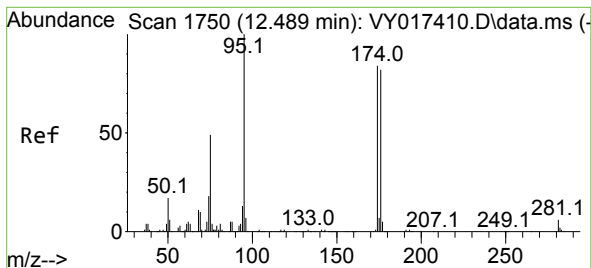
Tgt Ion:117 Resp: 11117
Ion Ratio Lower Upper
117 100
119 6.5 75.8 113.6#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 37.134 ug/l
RT: 10.191 min Scan# 1373
Delta R.T. 0.006 min
Lab File: VY017442.D
Acq: 21 Feb 2024 16:52

Tgt Ion: 98 Resp: 194580
Ion Ratio Lower Upper
98 100
100 64.6 52.0 78.0

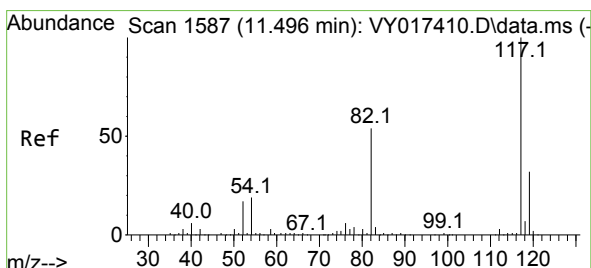
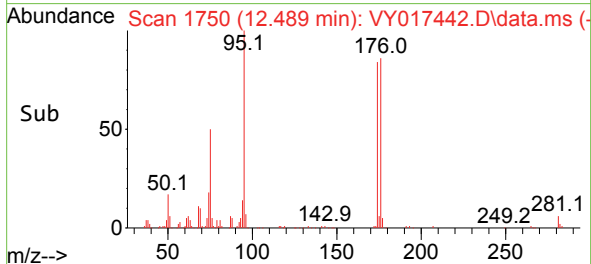
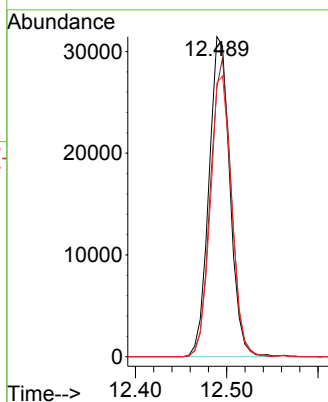
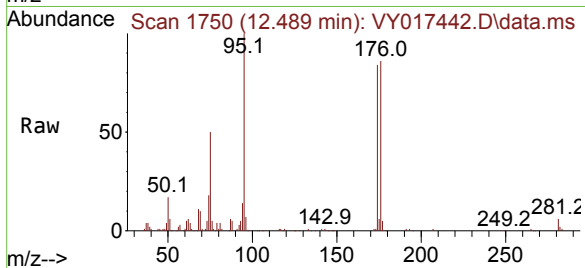




#62
4-Bromofluorobenzene
Concen: 29.346 ug/l
RT: 12.489 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY017442.D
Acq: 21 Feb 2024 16:52

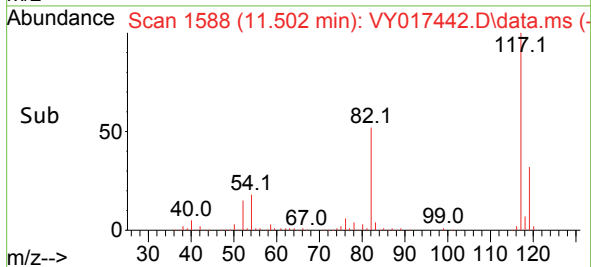
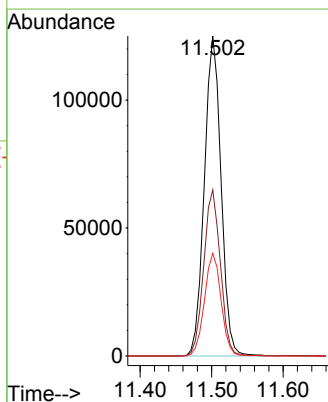
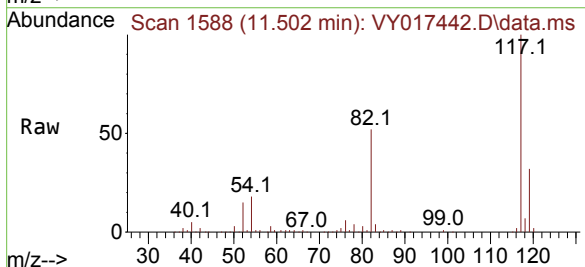
Instrument :
MSVOA_Y
ClientSampleId :
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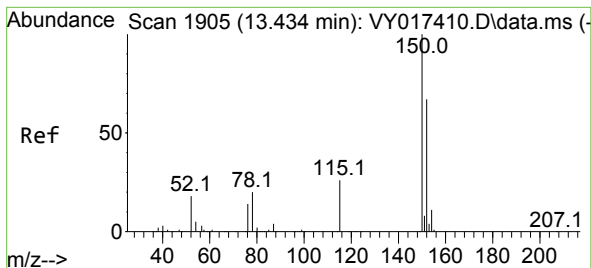
Tgt Ion:	95	Resp:	49993
Ion	Ratio	Lower	Upper
95	100		
174	92.9	0.0	175.6
176	89.9	0.0	171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.502 min Scan# 1588
Delta R.T. 0.006 min
Lab File: VY017442.D
Acq: 21 Feb 2024 16:52

Tgt Ion:	117	Resp:	203083
Ion	Ratio	Lower	Upper
117	100		
82	51.9	42.4	63.6
119	32.0	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: VY017442.D

Acq: 21 Feb 2024 16:52

Instrument :

MSVOA_Y

ClientSampleId :

9

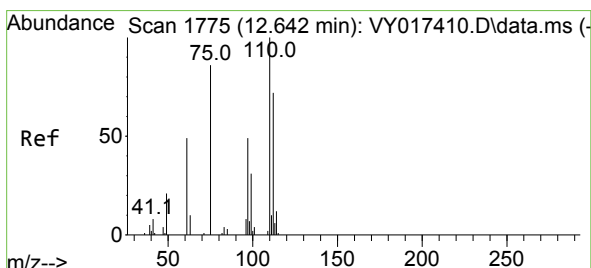
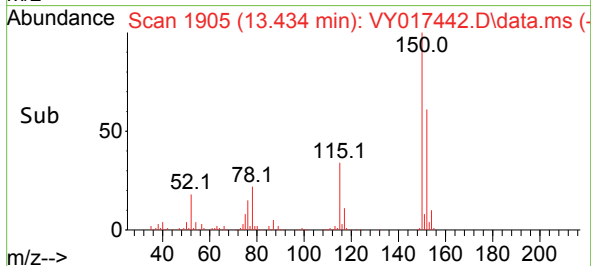
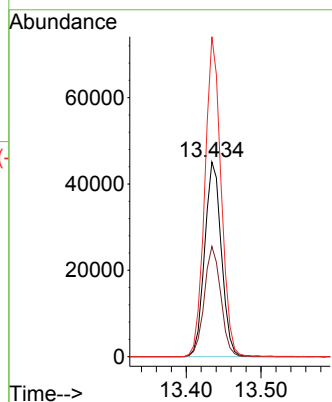
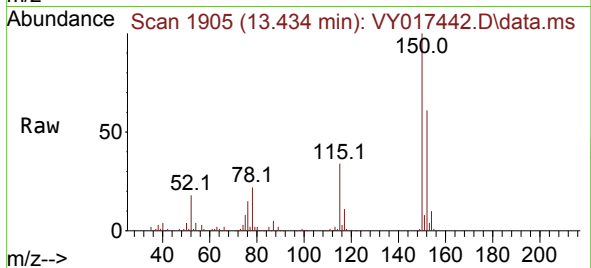
Tgt Ion:152 Resp: 70078

Ion Ratio Lower Upper

152 100

115 55.8 28.2 84.7

150 159.6 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 36.508 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. -0.152 min

Lab File: VY017442.D

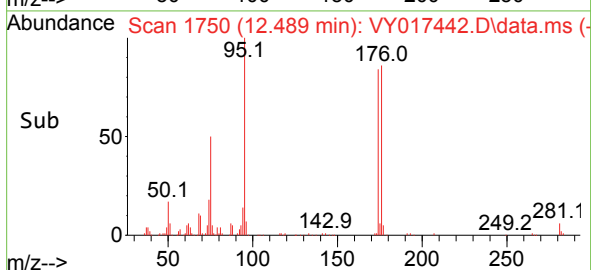
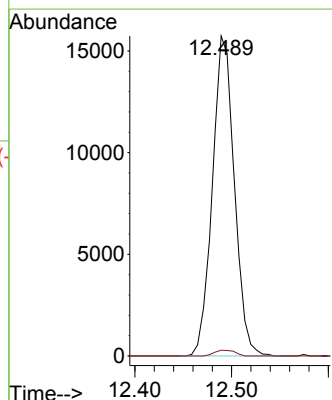
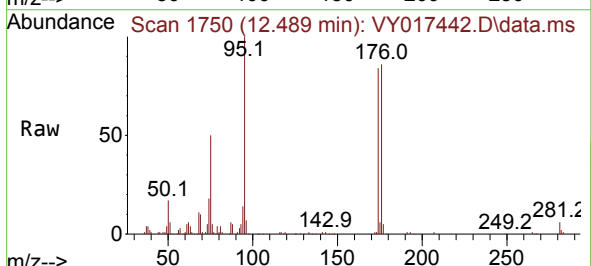
Acq: 21 Feb 2024 16:52

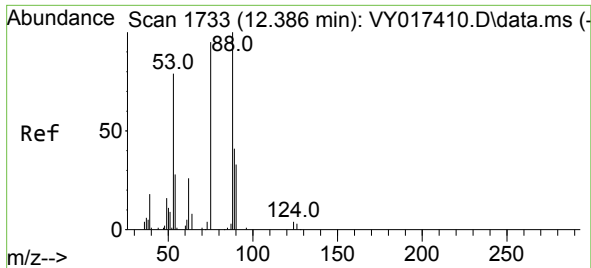
Tgt Ion: 75 Resp: 24806

Ion Ratio Lower Upper

75 100

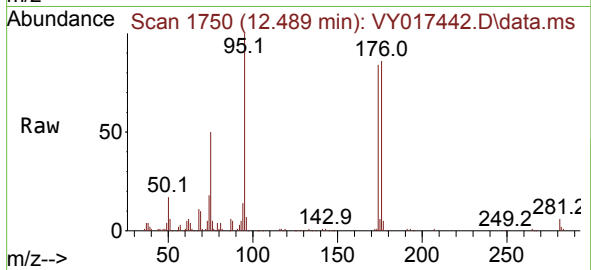
77 1.7 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 85.120 ug/l
RT: 12.489 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY017442.D
Acq: 21 Feb 2024 16:52

Instrument :
MSVOA_Y
ClientSampleId :
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Tgt Ion:	75	Resp:	24806
Ion	Ratio	Lower	Upper
75	100		
53	0.0	66.8	100.2#
89	0.0	35.8	53.6#

