

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX013023\
 Data File : VX033946.D
 Acq On : 30 Jan 2023 15:05
 Operator : JC/MD
 Sample : 01361-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 31 04:46:45 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011123W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 11 14:48:42 2023
 Response via : Initial Calibration

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

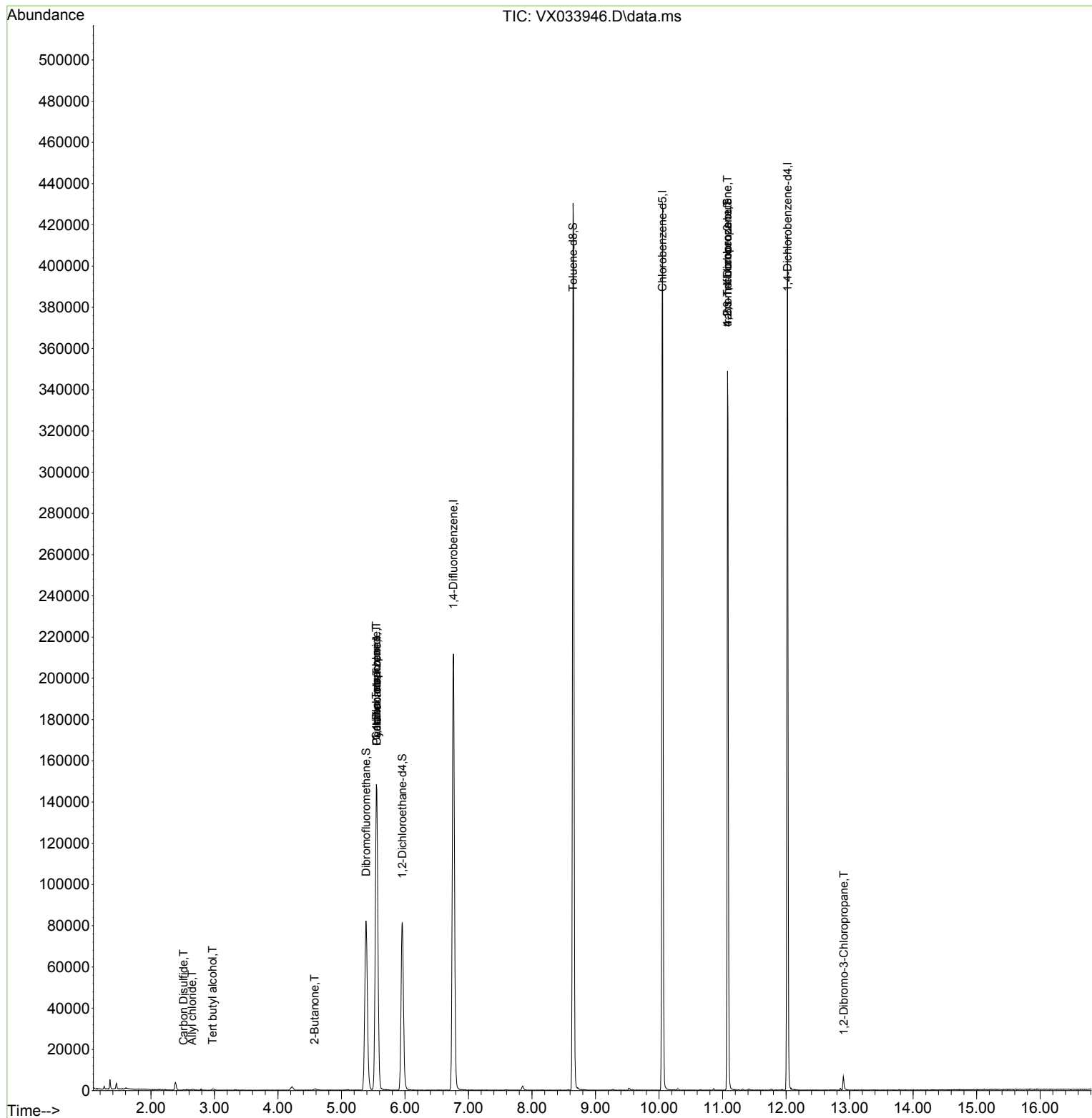
Internal Standards						
1) Pentafluorobenzene	5.556	168	162642	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	234490	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	208400	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	98621	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	77616	45.324	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	=	90.640%	
35) Dibromofluoromethane	5.385	113	71851	49.346	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	98.700%	
50) Toluene-d8	8.646	98	265796	50.101	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	=	100.200%	
62) 4-Bromofluorobenzene	11.079	95	90839	46.118	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	=	92.240%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.971	59	1110	3.731	ug/l #	92
14) Allyl chloride	2.648	41	601	0.241	ug/l #	22
16) Acetone	2.385	43	4298	Below Cal	#	80
17) Carbon Disulfide	2.513	76	221	1.886	ug/l #	76
20) Methylene Chloride	2.788	84	174	Below Cal	#	76
25) 2-Butanone	4.574	43	1096	0.980	ug/l	92
31) Cyclohexane	5.556	56	2319	0.920	ug/l #	1
36) 1,1-Dichloropropene	5.549	75	9543	4.491	ug/l #	49
37) Ethyl Acetate	4.574	43	1096	Below Cal	#	68
38) Carbon Tetrachloride	5.549	117	13581	6.171	ug/l #	15
73) Isopropylbenzene	10.963	105	75	Below Cal	#	48
76) 1,2,3-Trichloropropane	11.079	75	42236	23.309	ug/l #	34
79) 2-Chlorotoluene	11.469	91	53	Below Cal	#	39
81) trans-1,4-Dichloro-2-b...	11.079	75	42236	72.441	ug/l #	8
82) 4-Chlorotoluene	11.469	91	53	Below Cal	#	43
92) 1,2-Dibromo-3-Chloropr...	12.908	75	89	0.221	ug/l #	1

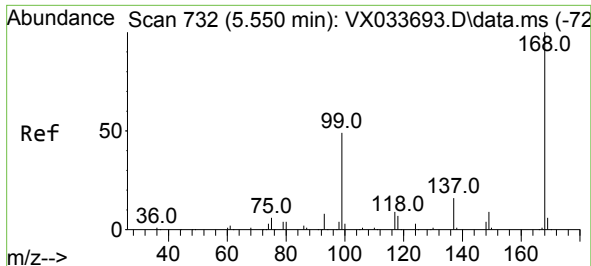
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011123W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 11 14:48:42 2023
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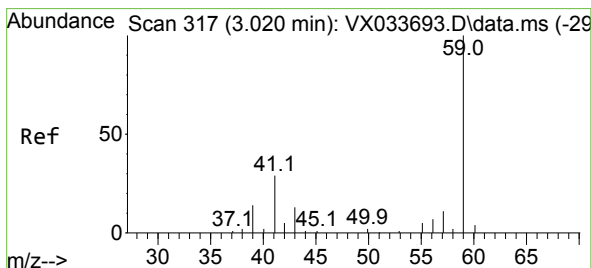
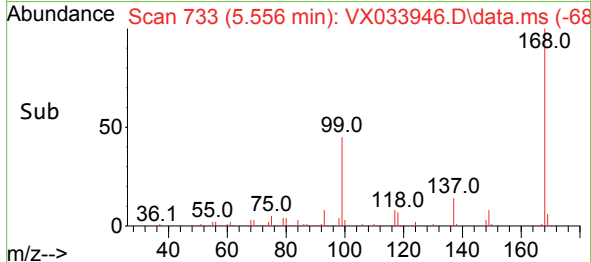
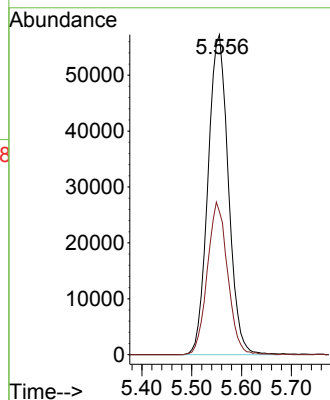
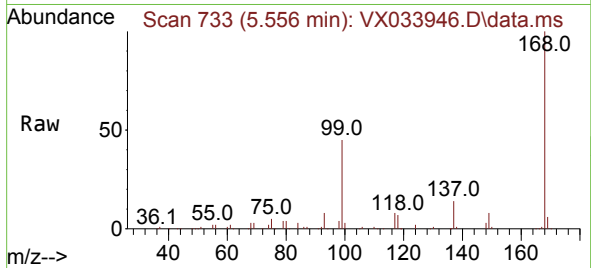




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX033946.D
Acq: 30 Jan 2023 15:05

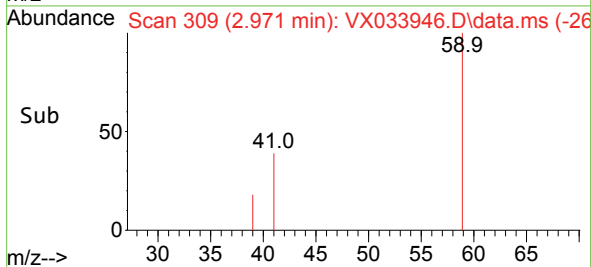
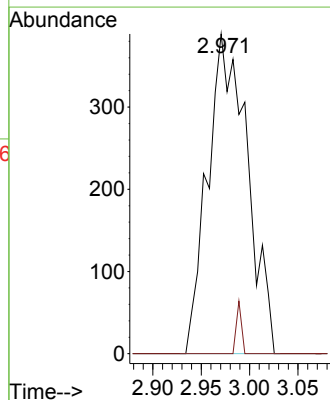
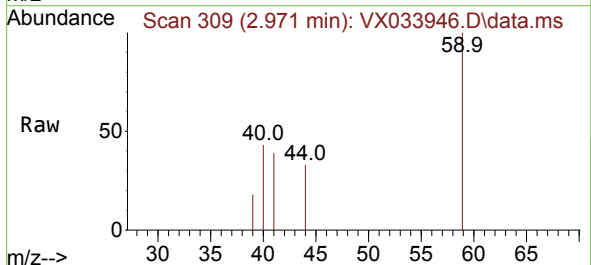
Instrument :
MSVOA_X
ClientSampleId :

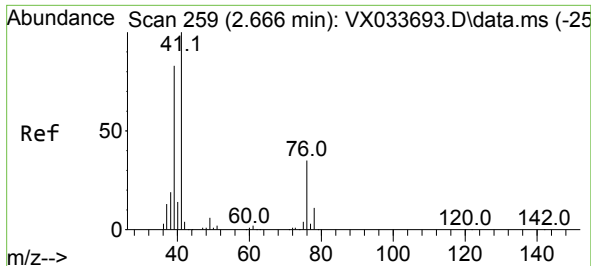
Tgt Ion:168 Resp: 162642
Ion Ratio Lower Upper
168 100
99 44.7 39.6 59.4



#11
Tert butyl alcohol
Concen: 3.731 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.049 min
Lab File: VX033946.D
Acq: 30 Jan 2023 15:05

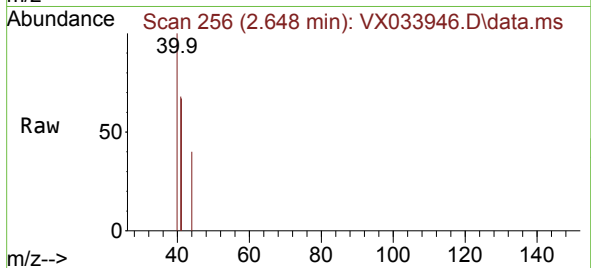
Tgt Ion: 59 Resp: 1110
Ion Ratio Lower Upper
59 100
57 2.1 3.7 5.5#



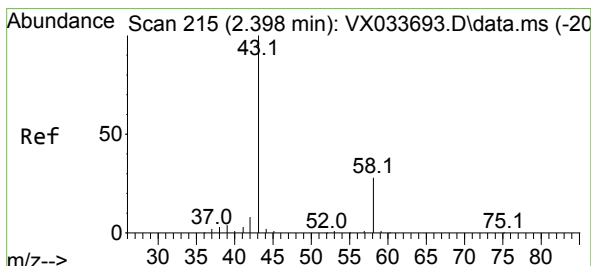
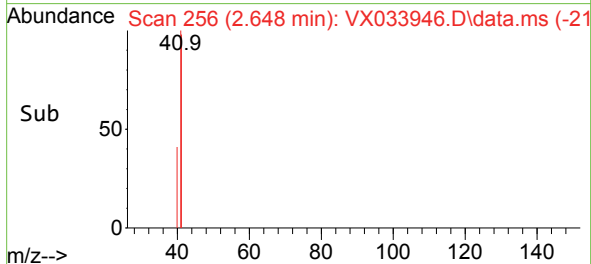
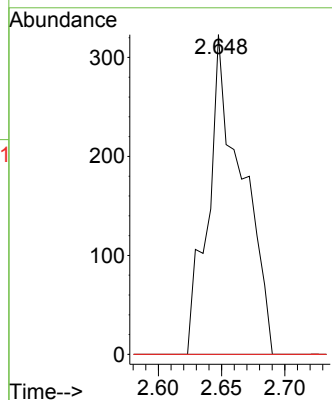


#14
 Allyl chloride
 Concen: 0.241 ug/l
 RT: 2.648 min Scan# 213
 Delta R.T. -0.019 min
 Lab File: VX033946.D
 Acq: 30 Jan 2023 15:05

Instrument :
 MSVOA_X
 ClientSampleId :

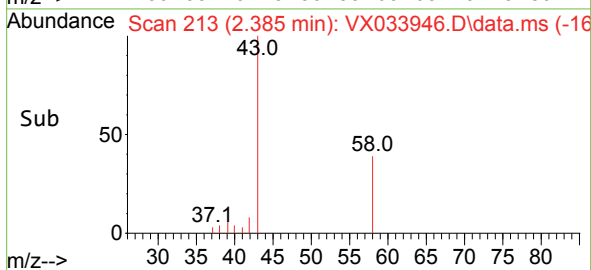
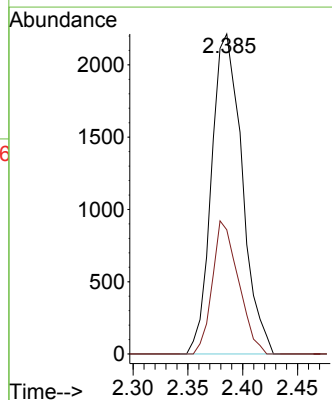
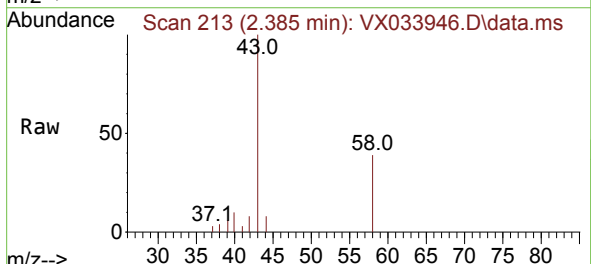


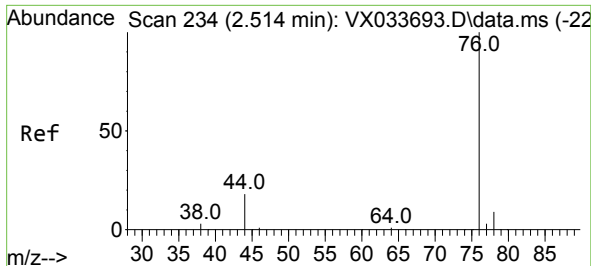
Tgt Ion: 41 Resp: 601
 Ion Ratio Lower Upper
 41 100
 39 0.0 59.0 88.4#
 76 0.0 24.6 37.0#



#16
 Acetone
 Concen: Below Cal
 RT: 2.385 min Scan# 213
 Delta R.T. -0.013 min
 Lab File: VX033946.D
 Acq: 30 Jan 2023 15:05

Tgt Ion: 43 Resp: 4298
 Ion Ratio Lower Upper
 43 100
 58 38.8 22.6 33.8#





#17

Carbon Disulfide

Concen: 1.886 ug/l

RT: 2.513 min Scan# 21

Delta R.T. -0.001 min

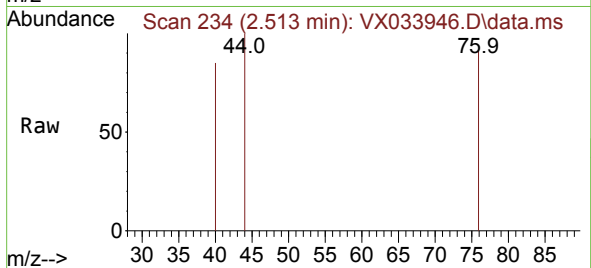
Lab File: VX033946.D

Acq: 30 Jan 2023 15:05

Instrument :

MSVOA_X

ClientSampleId :

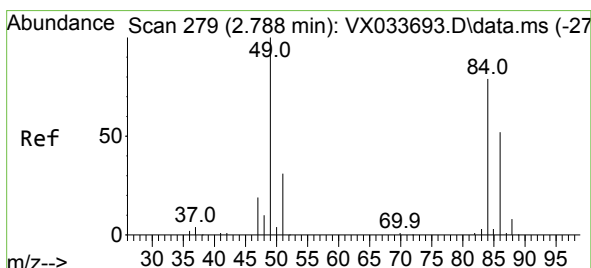
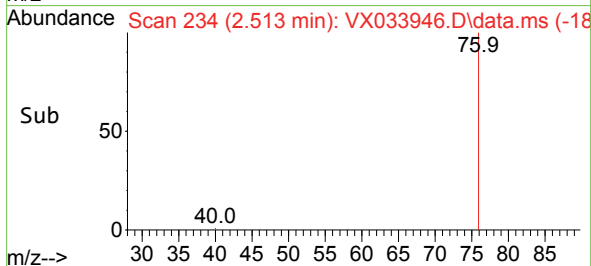
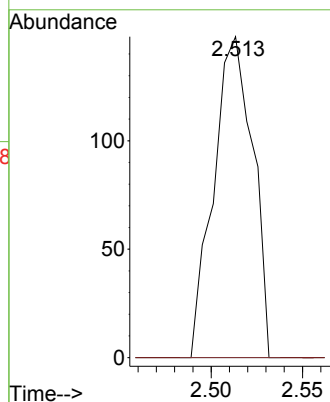


Tgt Ion: 76 Resp: 221

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.6#



#20

Methylene Chloride

Concen: Below Cal

RT: 2.788 min Scan# 279

Delta R.T. -0.000 min

Lab File: VX033946.D

Acq: 30 Jan 2023 15:05

Tgt Ion: 84 Resp: 174

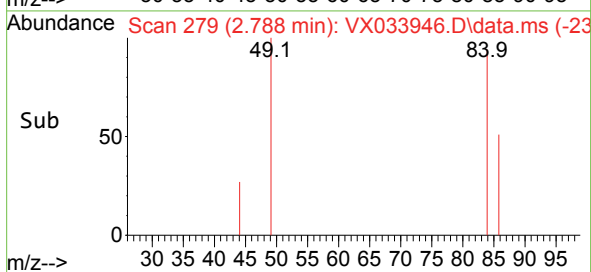
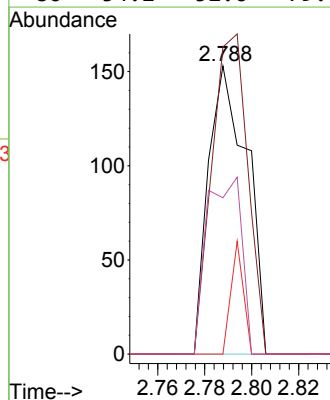
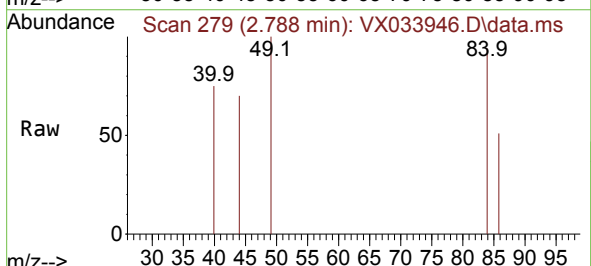
Ion Ratio Lower Upper

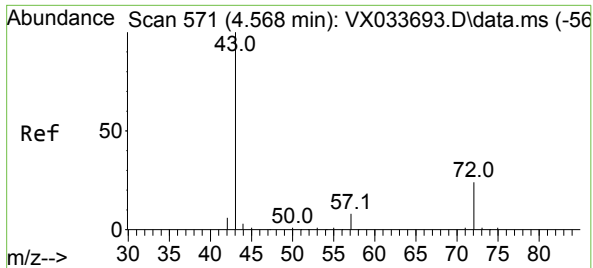
84 100

49 106.5 101.1 151.7

51 0.0 31.0 46.6#

86 54.2 52.6 79.0

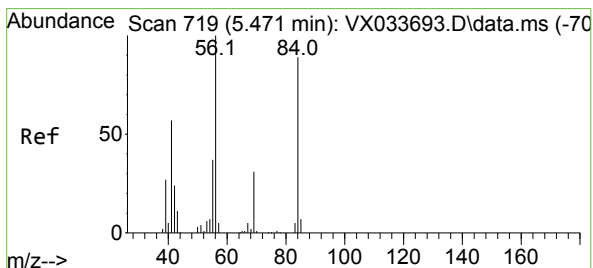
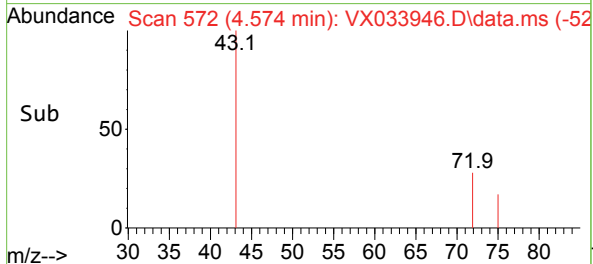
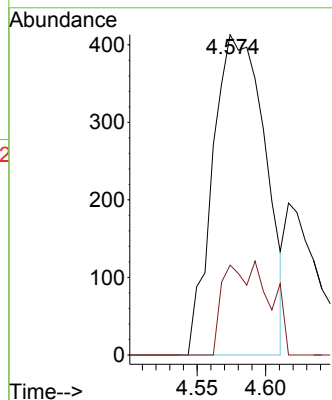
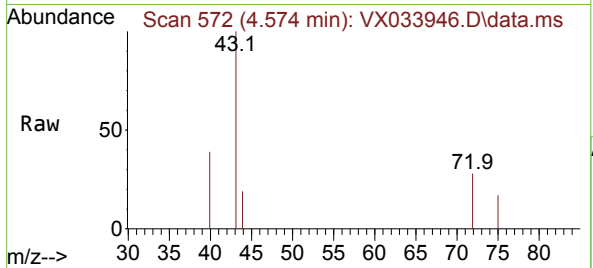




#25
2-Butanone
Concen: 0.980 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.006 min
Lab File: VX033946.D
Acq: 30 Jan 2023 15:05

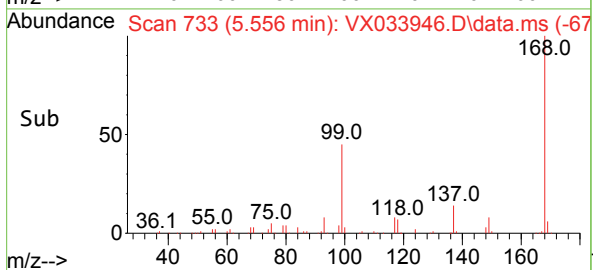
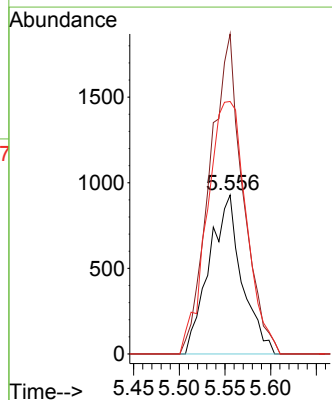
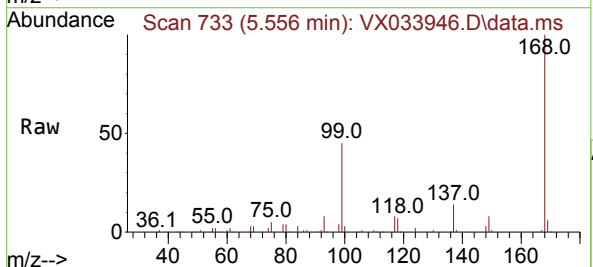
Instrument :
MSVOA_X
ClientSampleId :

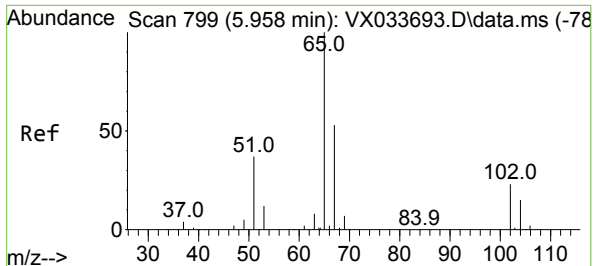
Tgt Ion: 43 Resp: 1096
Ion Ratio Lower Upper
43 100
72 28.1 19.4 29.2



#31
Cyclohexane
Concen: 0.920 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.085 min
Lab File: VX033946.D
Acq: 30 Jan 2023 15:05

Tgt Ion: 56 Resp: 2319
Ion Ratio Lower Upper
56 100
69 201.4 24.6 37.0#
84 158.9 71.0 106.6#





#33

1,2-Dichloroethane-d4

Concen: 45.324 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX033946.D

Acq: 30 Jan 2023 15:05

Instrument :

MSVOA_X

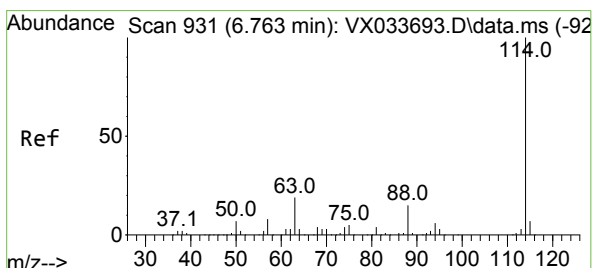
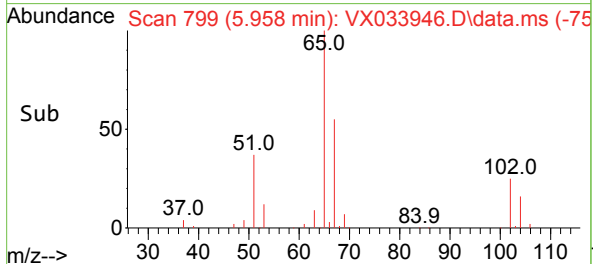
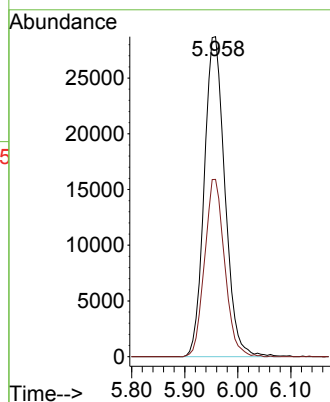
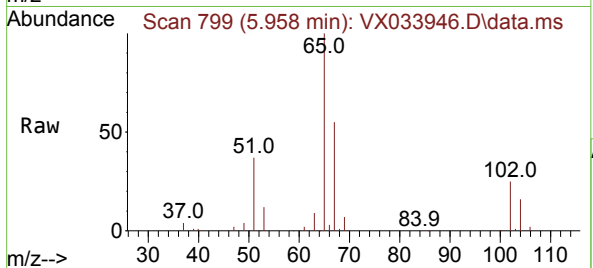
ClientSampleId :

Tgt Ion: 65 Resp: 77616

Ion Ratio Lower Upper

65 100

67 53.7 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX033946.D

Acq: 30 Jan 2023 15:05

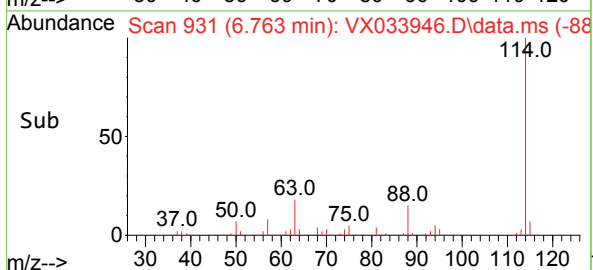
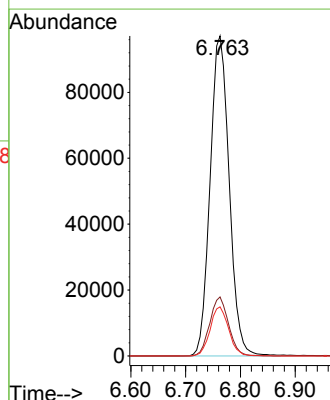
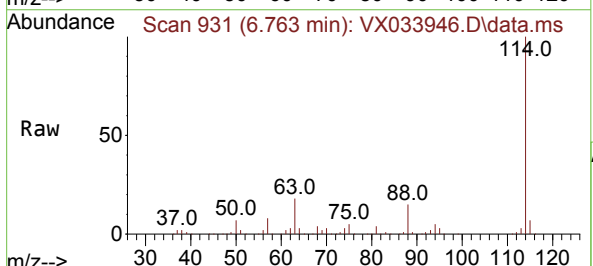
Tgt Ion: 114 Resp: 234490

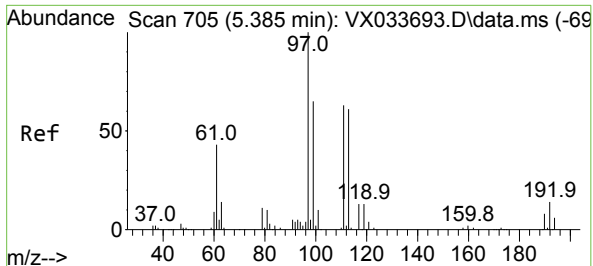
Ion Ratio Lower Upper

114 100

63 18.5 0.0 37.4

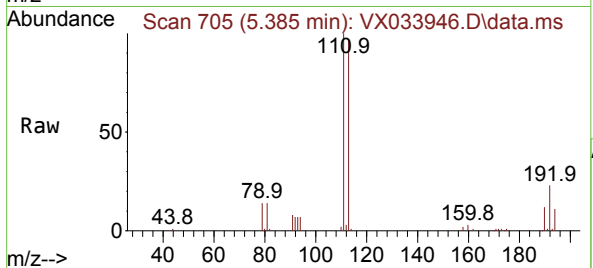
88 15.3 0.0 30.6



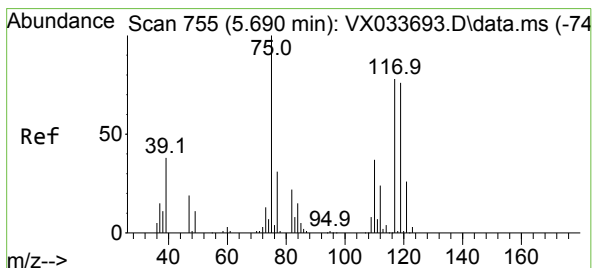
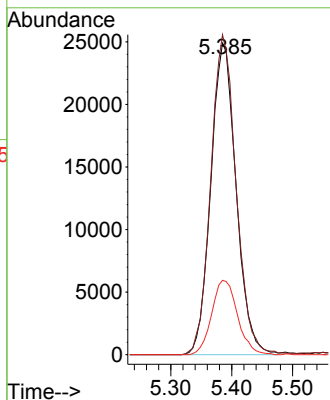
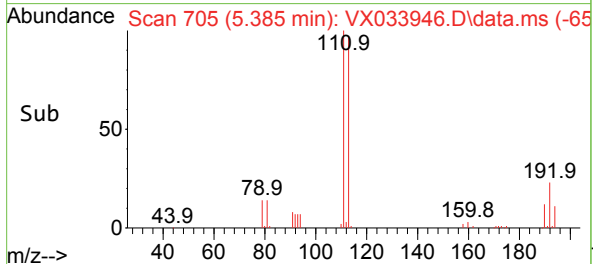


#35
Dibromofluoromethane
Concen: 49.346 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX033946.D
Acq: 30 Jan 2023 15:05

Instrument :
MSVOA_X
ClientSampleId :

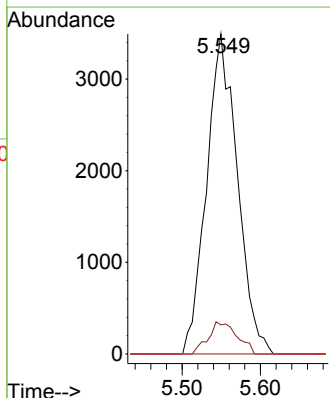
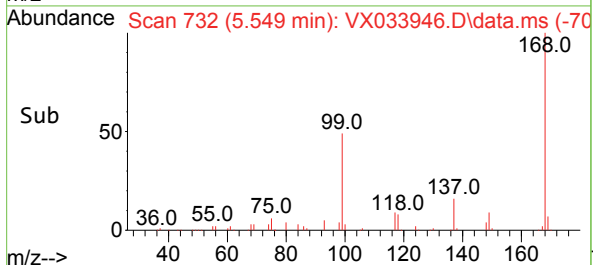
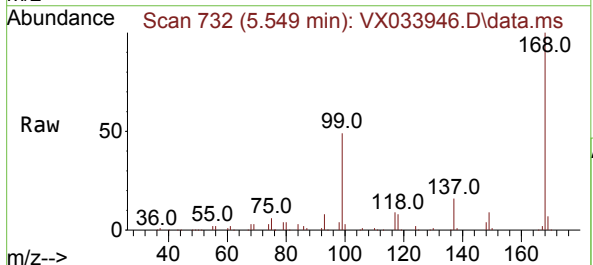


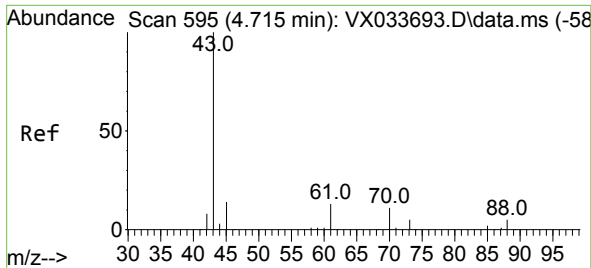
Tgt Ion:113 Resp: 71851
Ion Ratio Lower Upper
113 100
111 102.8 83.0 124.6
192 24.3 19.0 28.4



#36
1,1-Dichloropropene
Concen: 4.491 ug/l
RT: 5.549 min Scan# 732
Delta R.T. -0.141 min
Lab File: VX033946.D
Acq: 30 Jan 2023 15:05

Tgt Ion: 75 Resp: 9543
Ion Ratio Lower Upper
75 100
110 9.4 18.8 56.4#
77 0.0 25.1 37.7#





#37

Ethyl Acetate

Concen: Below Cal

RT: 4.574 min Scan# 51

Delta R.T. -0.141 min

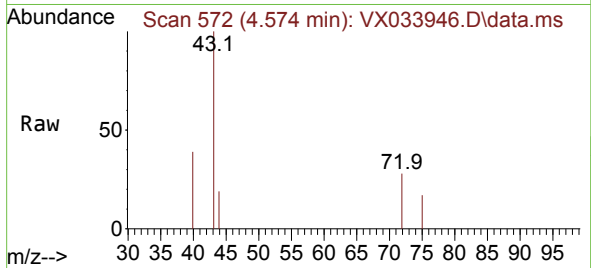
Lab File: VX033946.D

Acq: 30 Jan 2023 15:05

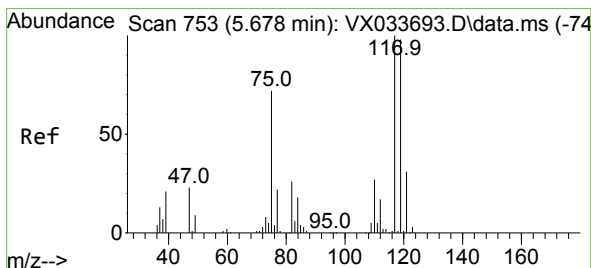
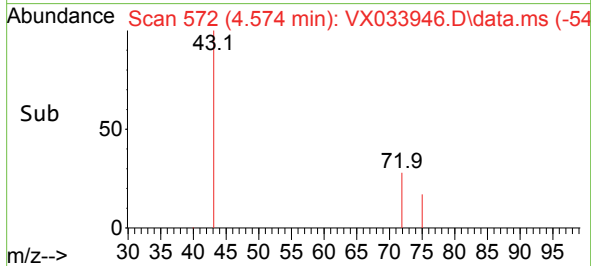
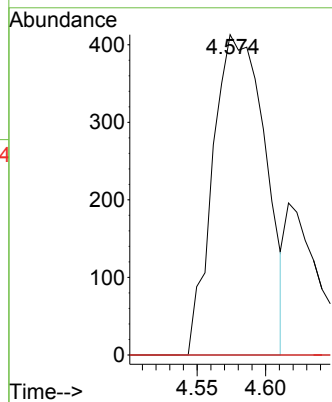
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	43	Resp:	1096
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.1	16.7#
70	0.0	8.5	12.7#



#38

Carbon Tetrachloride

Concen: 6.171 ug/l

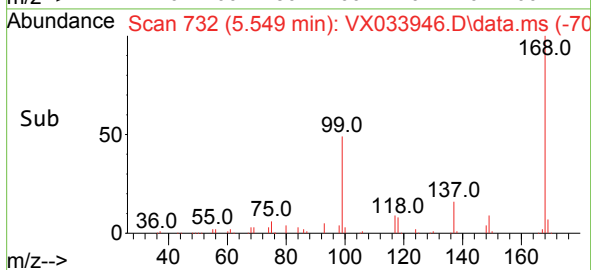
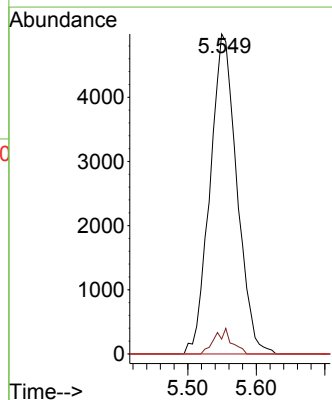
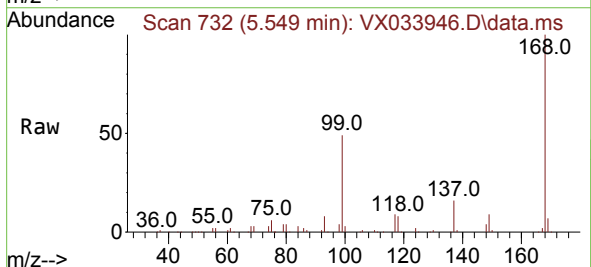
RT: 5.549 min Scan# 732

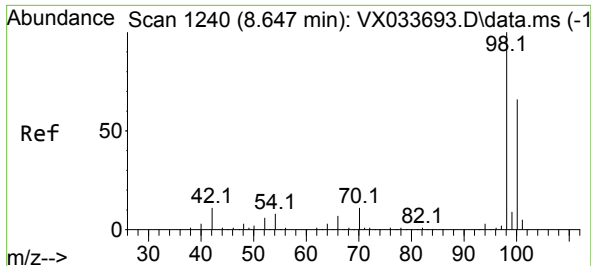
Delta R.T. -0.128 min

Lab File: VX033946.D

Acq: 30 Jan 2023 15:05

Tgt Ion:	117	Resp:	13581
Ion	Ratio	Lower	Upper
117	100		
119	4.6	78.0	117.0#
121	0.0	24.4	36.6#

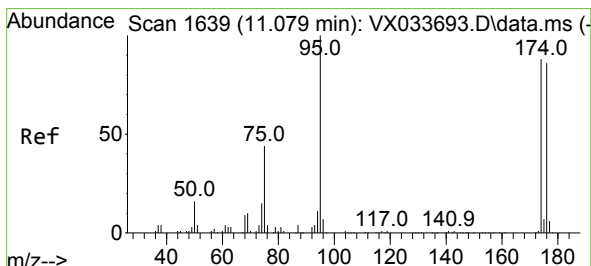
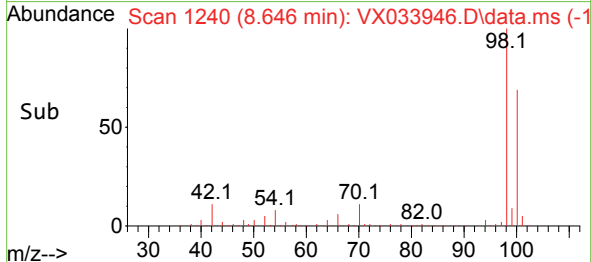
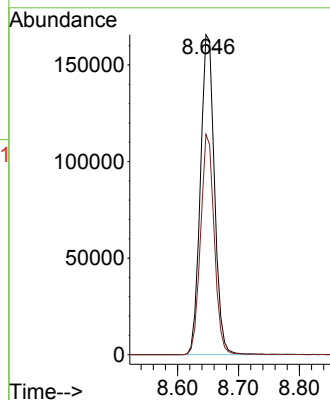
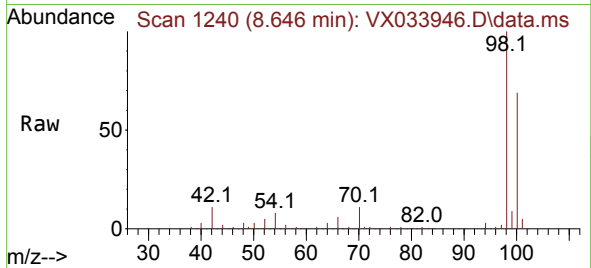




#50
Toluene-d8
Concen: 50.101 ug/l
RT: 8.646 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX033946.D
Acq: 30 Jan 2023 15:05

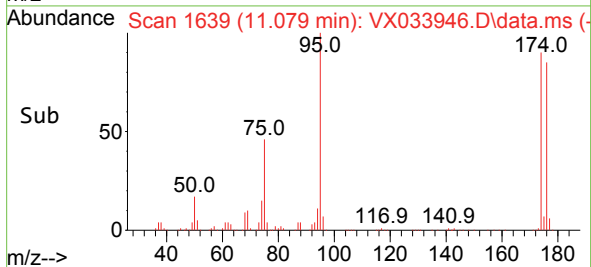
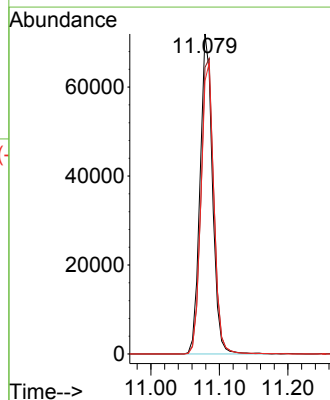
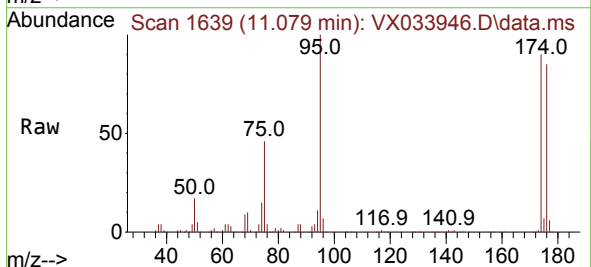
Instrument :
MSVOA_X
ClientSampleId :

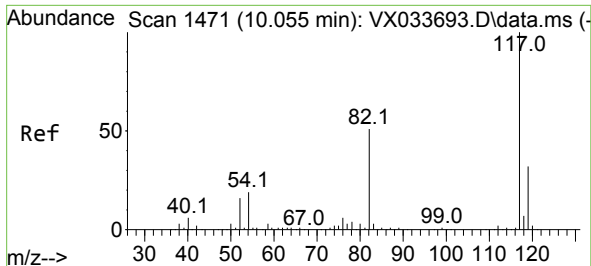
Tgt Ion: 98 Resp: 265796
Ion Ratio Lower Upper
98 100
100 67.0 53.6 80.4



#62
4-Bromofluorobenzene
Concen: 46.118 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX033946.D
Acq: 30 Jan 2023 15:05

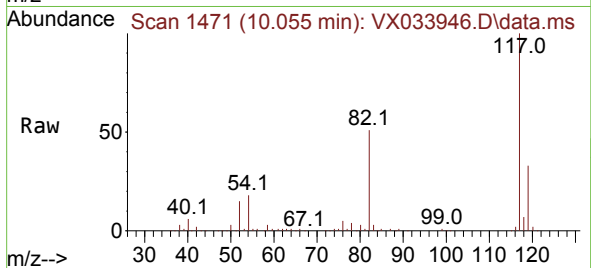
Tgt Ion: 95 Resp: 90839
Ion Ratio Lower Upper
95 100
174 95.8 0.0 184.4
176 94.3 0.0 178.8



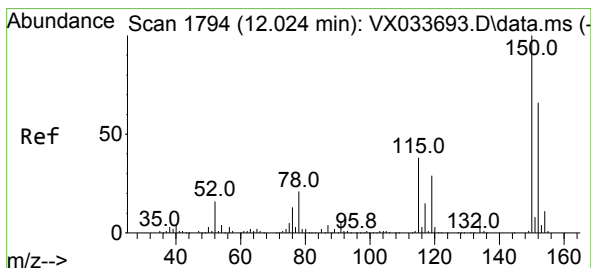
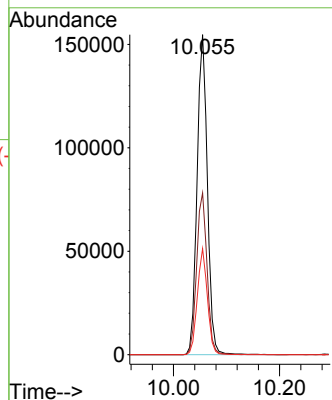
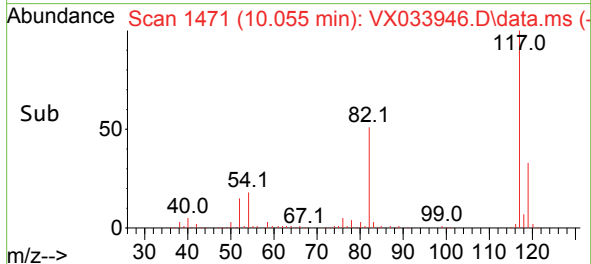


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX033946.D
Acq: 30 Jan 2023 15:05

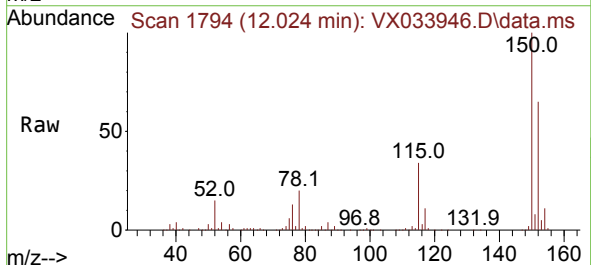
Instrument :
MSVOA_X
ClientSampleId :



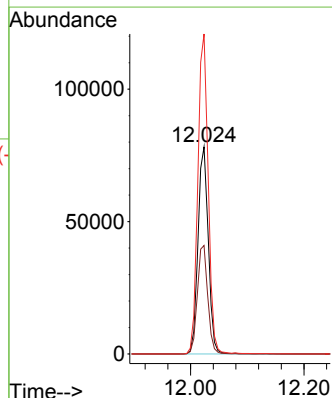
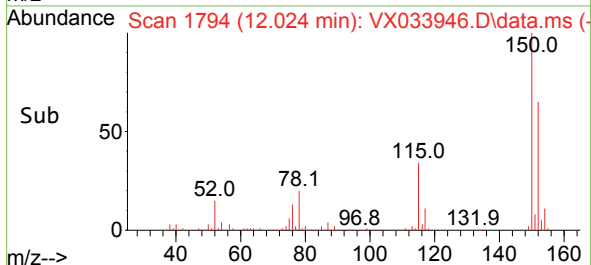
Tgt Ion:117 Resp: 208400
Ion Ratio Lower Upper
117 100
82 50.5 40.6 60.8
119 33.1 25.6 38.4

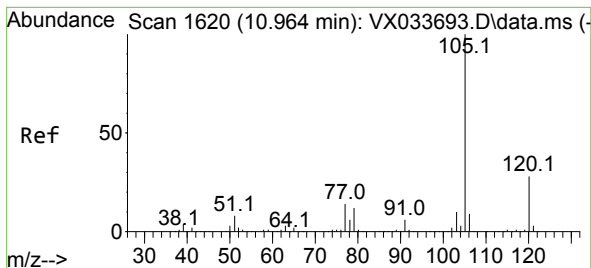


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX033946.D
Acq: 30 Jan 2023 15:05



Tgt Ion:152 Resp: 98621
Ion Ratio Lower Upper
152 100
115 52.8 38.7 116.1
150 155.2 0.0 348.2





#73

Isopropylbenzene

Concen: Below Cal

RT: 10.963 min Scan# 1639

Delta R.T. -0.001 min

Lab File: VX033946.D

Acq: 30 Jan 2023 15:05

Instrument :

MSVOA_X

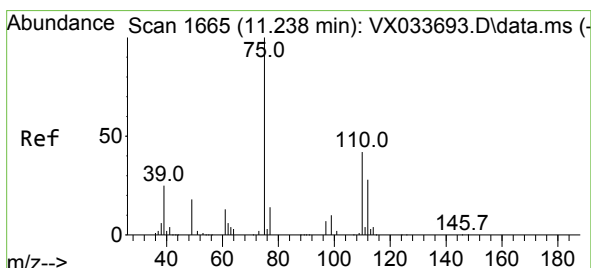
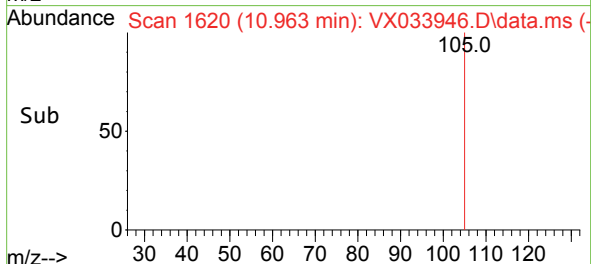
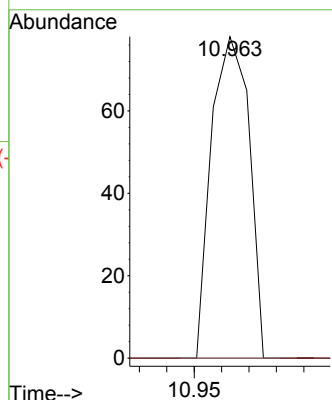
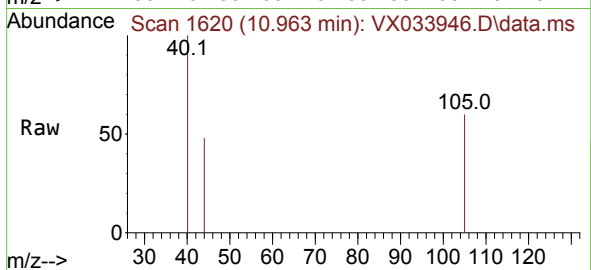
ClientSampleId :

Tgt Ion:105 Resp: 75

Ion Ratio Lower Upper

105 100

120 0.0 13.6 40.8#



#76

1,2,3-Trichloropropane

Concen: 23.309 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX033946.D

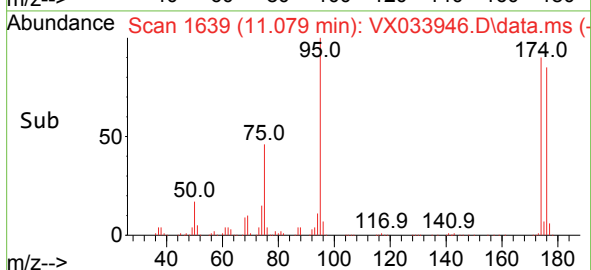
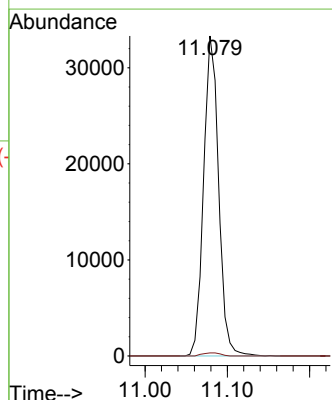
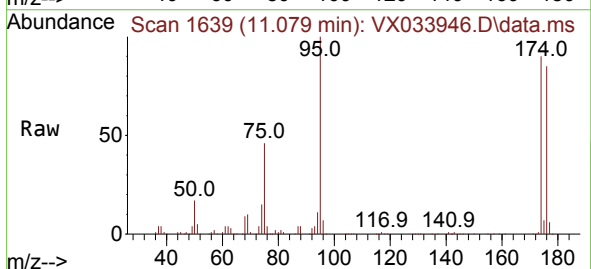
Acq: 30 Jan 2023 15:05

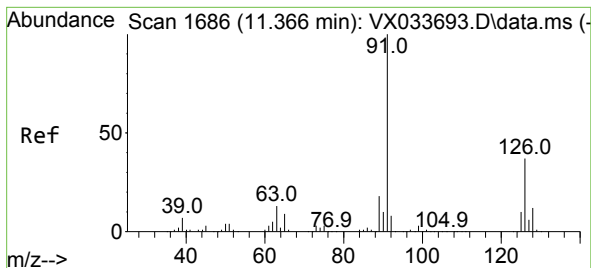
Tgt Ion: 75 Resp: 42236

Ion Ratio Lower Upper

75 100

77 1.2 21.8 65.4#





#79

2-Chlorotoluene

Concen: Below Cal

RT: 11.469 min Scan# 1

Delta R.T. 0.103 min

Lab File: VX033946.D

Acq: 30 Jan 2023 15:05

Instrument :

MSVOA_X

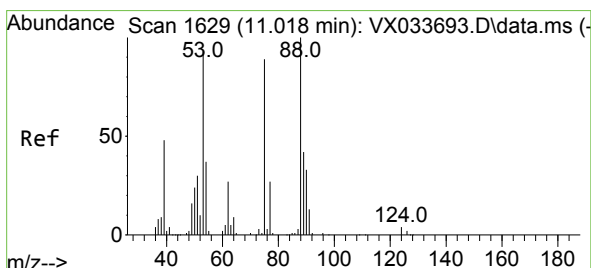
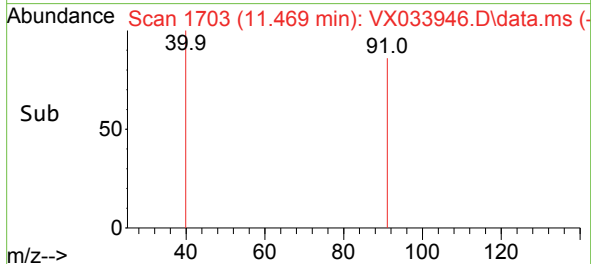
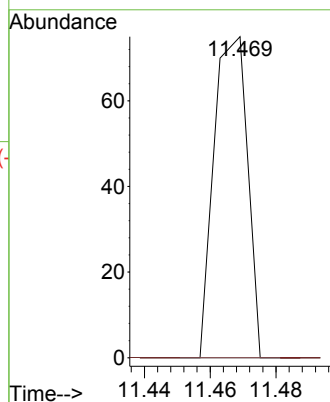
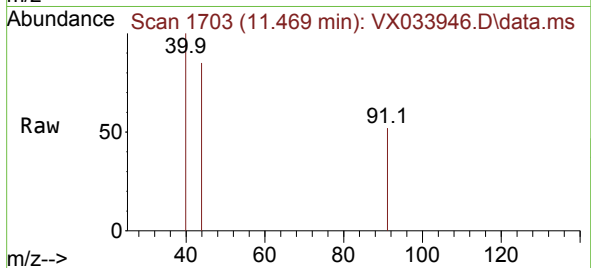
ClientSampleId :

Tgt Ion: 91 Resp: 53

Ion Ratio Lower Upper

91 100

126 0.0 18.1 54.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 72.441 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX033946.D

Acq: 30 Jan 2023 15:05

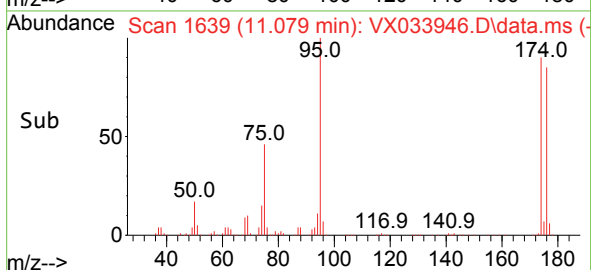
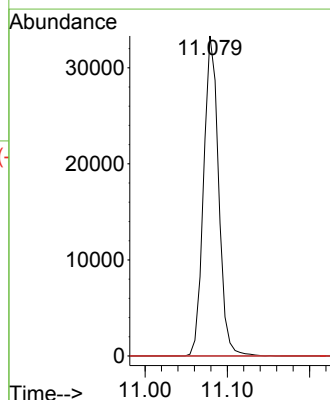
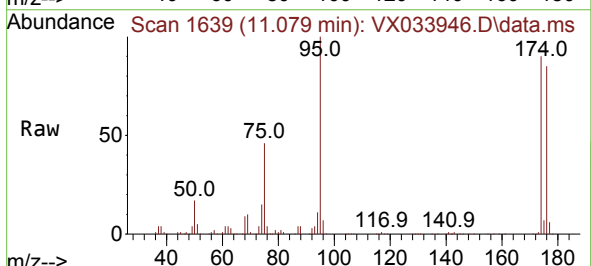
Tgt Ion: 75 Resp: 42236

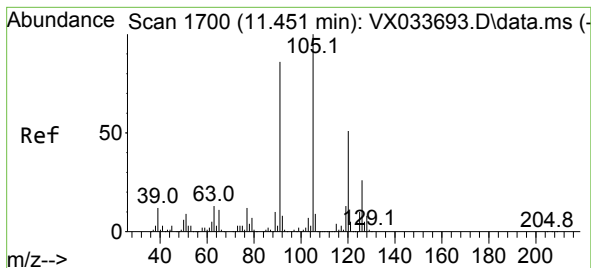
Ion Ratio Lower Upper

75 100

53 0.0 83.0 124.6#

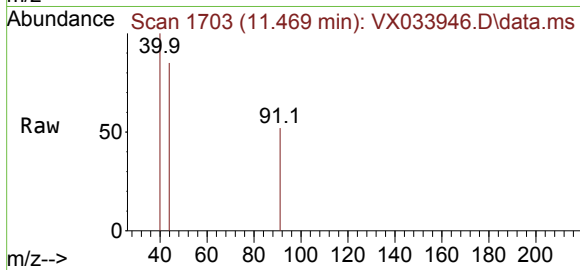
89 0.0 37.7 56.5#



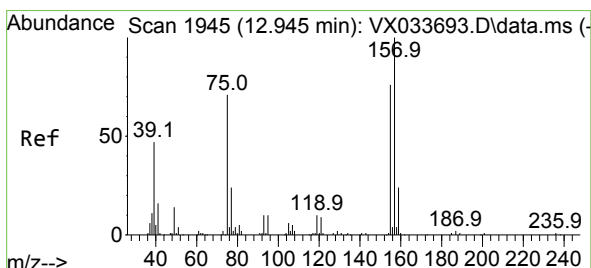
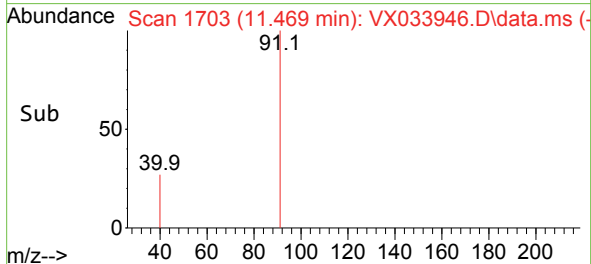
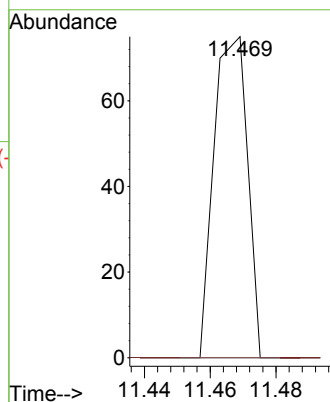


#82
4-Chlorotoluene
Concen: Below Cal
RT: 11.469 min Scan# 11
Delta R.T. 0.018 min
Lab File: VX033946.D
Acq: 30 Jan 2023 15:05

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 91 Resp: 53
Ion Ratio Lower Upper
91 100
126 0.0 15.8 47.4#



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.221 ug/l
RT: 12.908 min Scan# 1939
Delta R.T. -0.037 min
Lab File: VX033946.D
Acq: 30 Jan 2023 15:05

Tgt Ion: 75 Resp: 89
Ion Ratio Lower Upper
75 100
155 0.0 51.7 155.1#
157 0.0 67.5 202.3#

