

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091922\
 Data File : VX031481.D
 Acq On : 19 Sep 2022 23:31
 Operator : JC/MD
 Sample : N4653-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CAR-1948

Quant Time: Sep 20 09:51:36 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091922W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 20 09:45:29 2022
 Response via : Initial Calibration

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

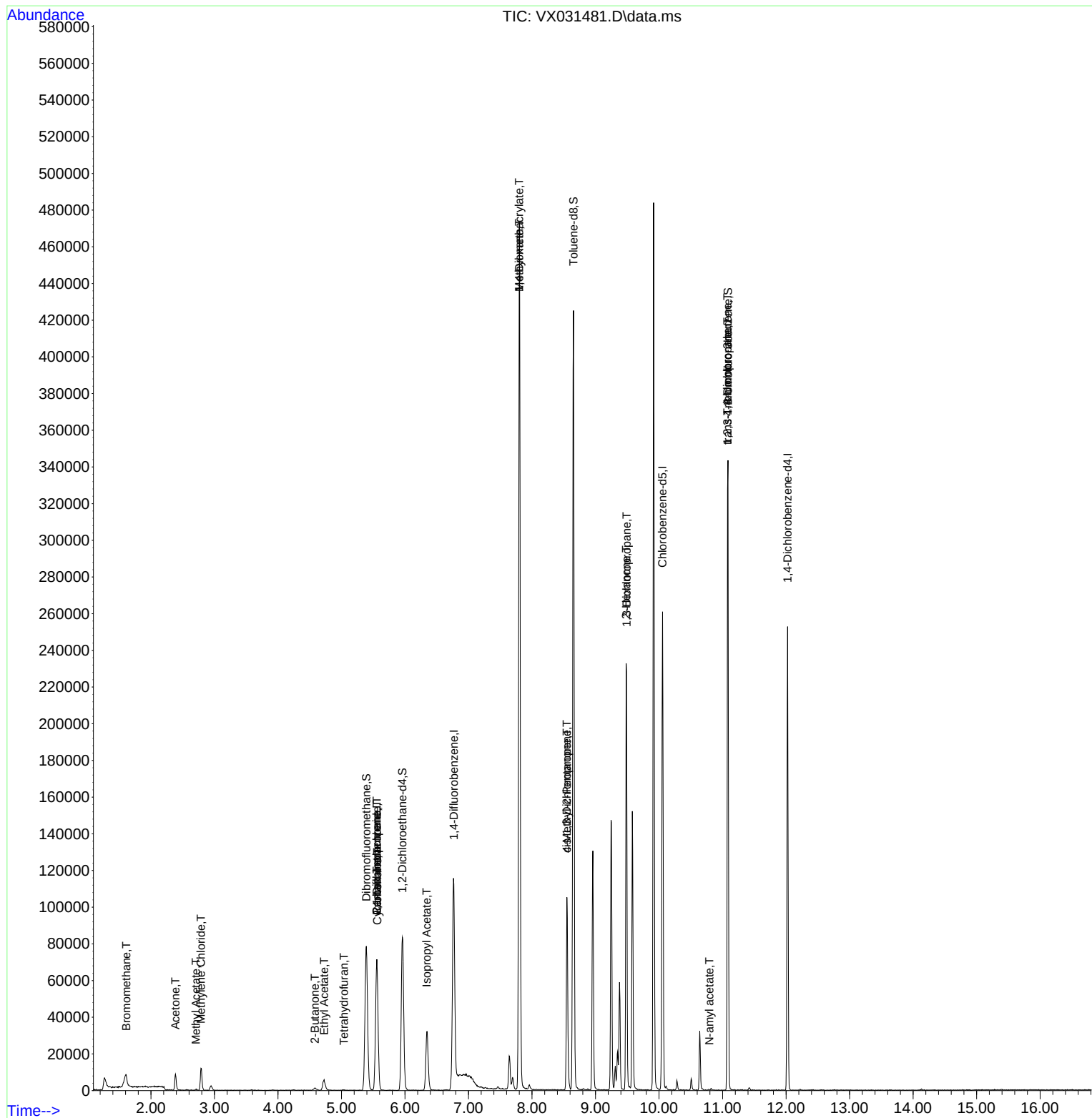
Internal Standards						
1) Pentafluorobenzene	5.556	168	67516	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	111738	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	111128	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	48154	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	75004	60.693	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 121.380%	
35) Dibromofluoromethane	5.391	113	64054	55.542	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 111.080%	
50) Toluene-d8	8.653	98	245628	55.176	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 110.360%	
62) 4-Bromofluorobenzene	11.085	95	78180	51.846	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 103.700%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.611	94	504	0.241	ug/l #	80
6) Chloroethane	1.697	64	191	Below Cal	#	43
11) Tert butyl alcohol	2.946	59	1617	Below Cal	#	73
13) Acrolein	2.123	56	48	Below Cal	#	1
16) Acetone	2.386	43	9153	5.324	ug/l	97
18) Methyl Acetate	2.709	43	764	0.413	ug/l	99
20) Methylene Chloride	2.788	84	5511	2.774	ug/l	92
25) 2-Butanone	4.580	43	1405	1.470	ug/l	96
29) Tetrahydrofuran	5.038	42	266	0.427	ug/l #	32
31) Cyclohexane	5.562	56	1683	0.916	ug/l #	58
36) 1,1-Dichloropropene	5.556	75	5312	2.991	ug/l #	51
37) Ethyl Acetate	4.727	43	10010	4.724	ug/l	98
38) Carbon Tetrachloride	5.556	117	7204	3.659	ug/l #	16
43) Isopropyl Acetate	6.342	43	44277	13.596	ug/l	98
48) Methyl methacrylate	7.799	41	41884	28.152	ug/l #	48
49) 1,4-Dioxane	7.799	88	23	0.677	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	36154	17.260	ug/l #	50
54) cis-1,3-Dichloropropene	8.549	75	15902	7.289	ug/l #	64
57) 1,3-Dichloropropane	9.488	76	2051	0.878	ug/l #	43
59) 2-Hexanone	9.482	43	26865	17.077	ug/l #	53
74) N-amyl acetate	10.793	43	360	0.247	ug/l #	43
75) 1,1,2,2-Tetrachloroethane	11.085	83	133	Below Cal	#	1
76) 1,2,3-Trichloropropane	11.079	75	44623	41.520	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	44623	133.687	ug/l #	11

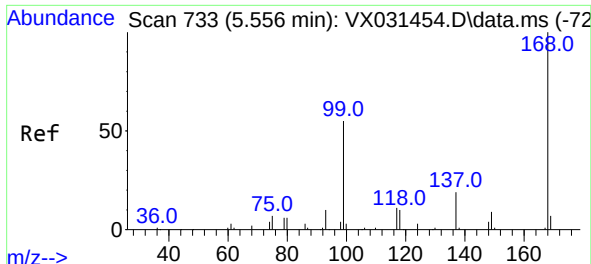
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091922\
Data File : VX031481.D
Acq On : 19 Sep 2022 23:31
Operator : JC/MD
Sample : N4653-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
CAR-1948

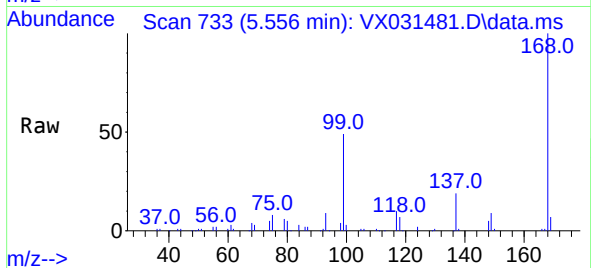
Quant Time: Sep 20 09:51:36 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091922W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 20 09:45:29 2022
Response via : Initial Calibration



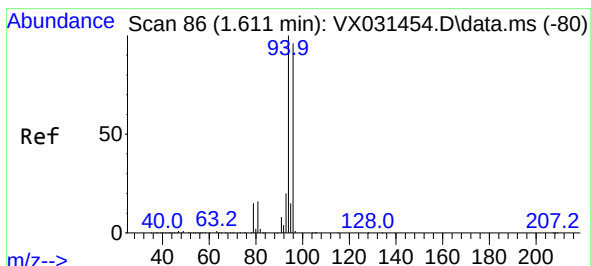
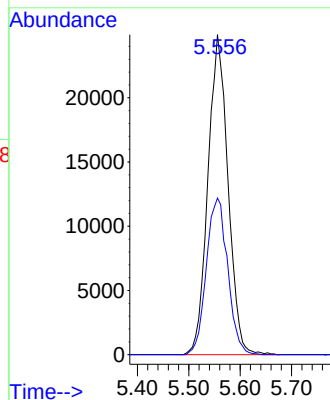
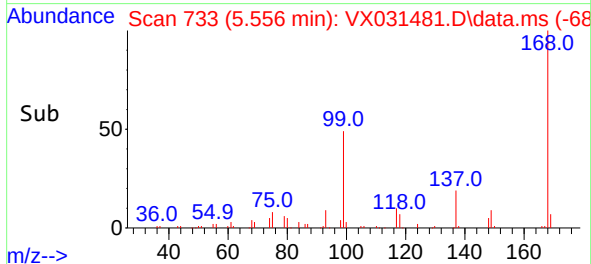


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX031481.D
Acq: 19 Sep 2022 23:31

Instrument :
MSVOA_X
ClientSampleId :
CAR-1948

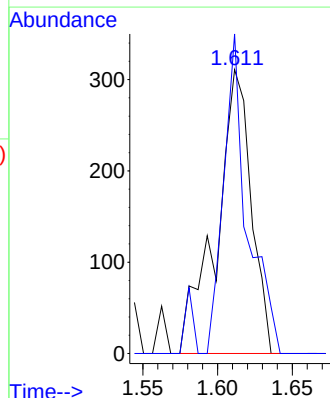
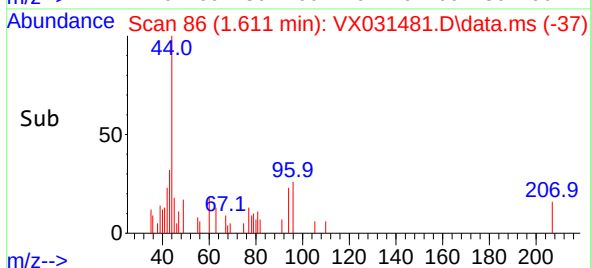
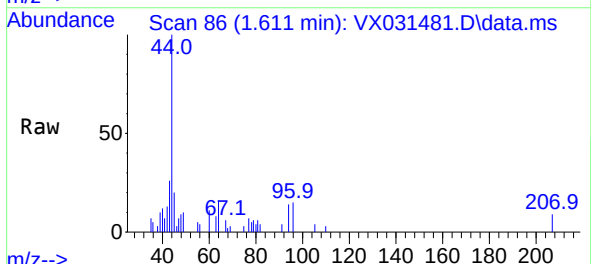


Tgt Ion:168 Resp: 67516
Ion Ratio Lower Upper
168 100
99 49.0 48.8 73.2

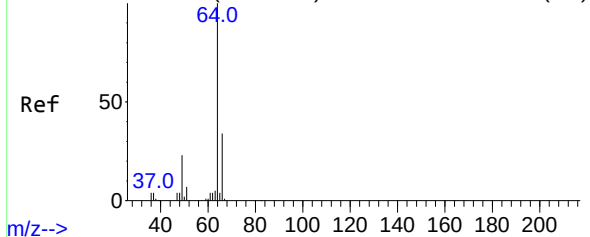


#5
Bromomethane
Concen: 0.241 ug/l
RT: 1.611 min Scan# 86
Delta R.T. 0.000 min
Lab File: VX031481.D
Acq: 19 Sep 2022 23:31

Tgt Ion: 94 Resp: 504
Ion Ratio Lower Upper
94 100
96 112.5 74.4 111.6#



Abundance Scan 98 (1.685 min): VX031454.D\data.ms (-92)



#6

Chloroethane

Concen: Below Cal

RT: 1.697 min Scan# 10

Delta R.T. 0.012 min

Lab File: VX031481.D

Acq: 19 Sep 2022 23:31

Instrument :

MSVOA_X

ClientSampleId :

CAR-1948

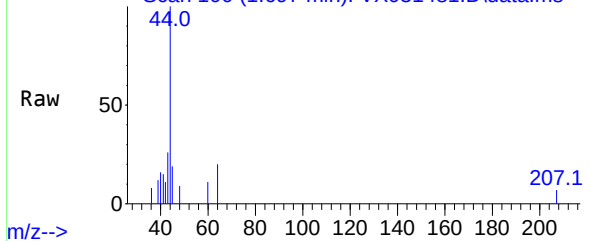
Tgt Ion: 64 Resp: 191

Ion Ratio Lower Upper

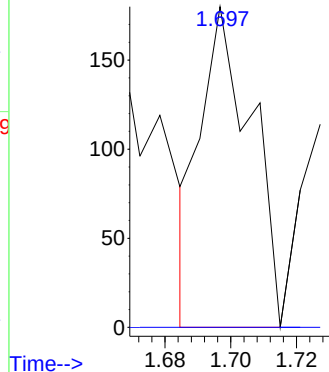
64 100

66 0.0 25.0 37.4#

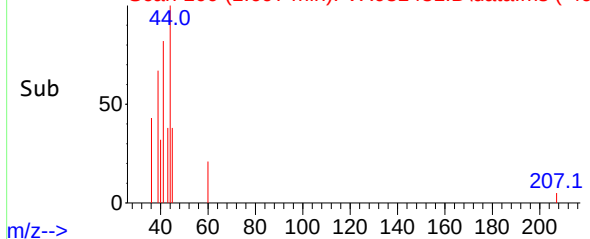
Abundance Scan 100 (1.697 min): VX031481.D\data.ms



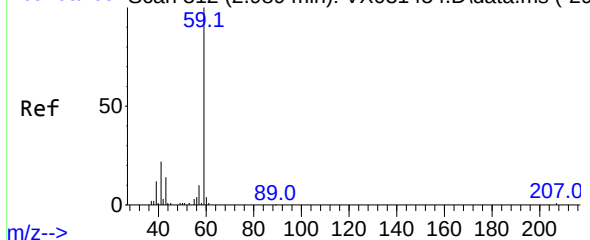
Abundance



Abundance Scan 100 (1.697 min): VX031481.D\data.ms (-49)



Abundance Scan 312 (2.989 min): VX031454.D\data.ms (-29)



#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.946 min Scan# 305

Delta R.T. -0.043 min

Lab File: VX031481.D

Acq: 19 Sep 2022 23:31

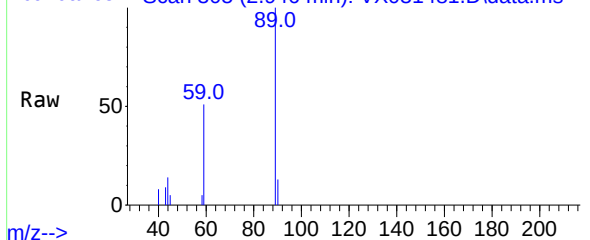
Tgt Ion: 59 Resp: 1617

Ion Ratio Lower Upper

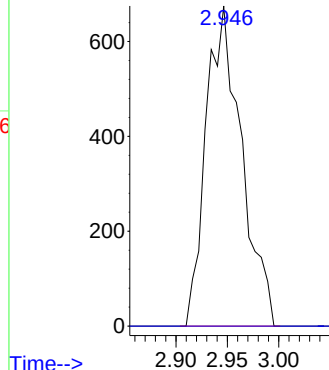
59 100

57 0.0 8.2 12.2#

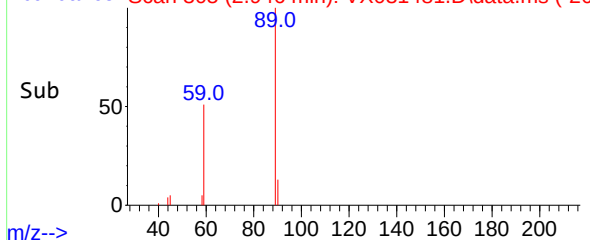
Abundance Scan 305 (2.946 min): VX031481.D\data.ms

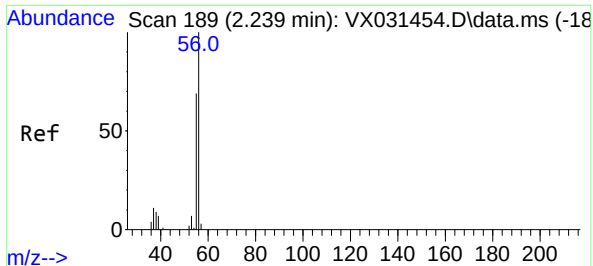


Abundance



Abundance Scan 305 (2.946 min): VX031481.D\data.ms (-26)

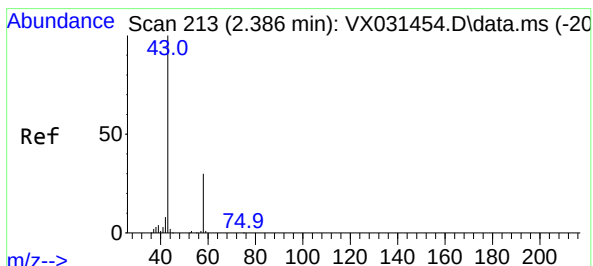
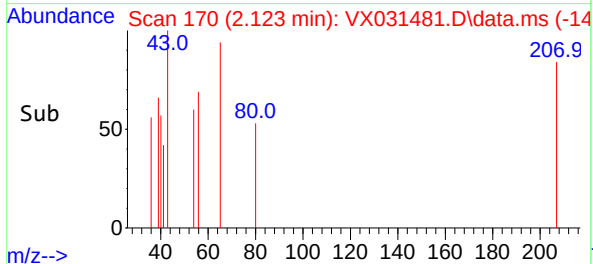
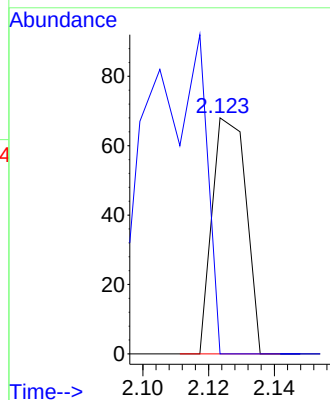
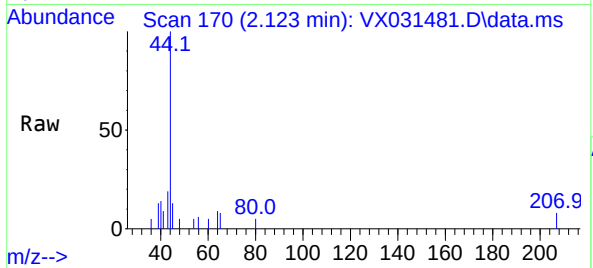




#13
Acrolein
Concen: Below Cal
RT: 2.123 min Scan# 11
Delta R.T. -0.116 min
Lab File: VX031481.D
Acq: 19 Sep 2022 23:31

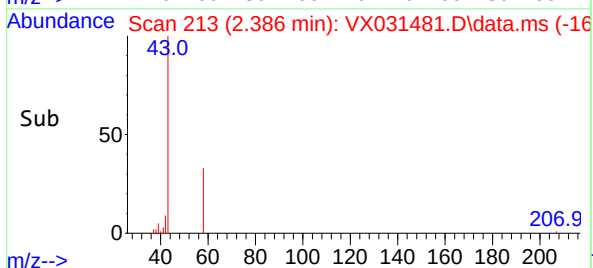
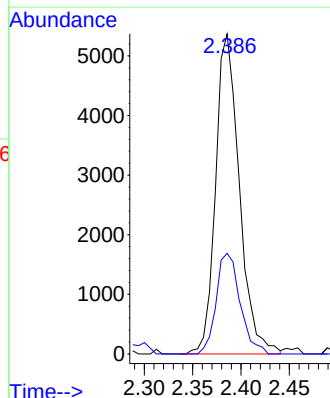
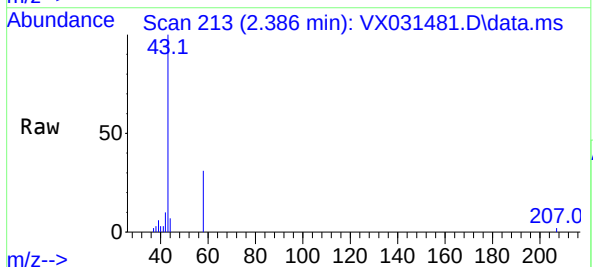
Instrument :
MSVOA_X
ClientSampleId :
CAR-1948

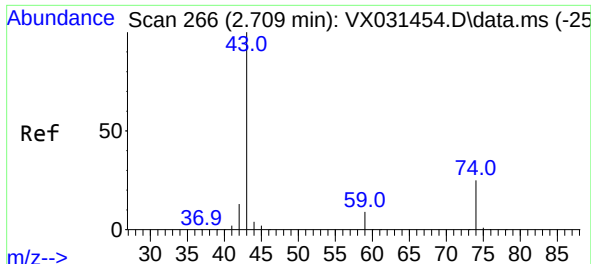
Tgt Ion: 56 Resp: 48
Ion Ratio Lower Upper
56 100
55 279.2 56.0 84.0#



#16
Acetone
Concen: 5.324 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX031481.D
Acq: 19 Sep 2022 23:31

Tgt Ion: 43 Resp: 9153
Ion Ratio Lower Upper
43 100
58 31.5 23.8 35.8

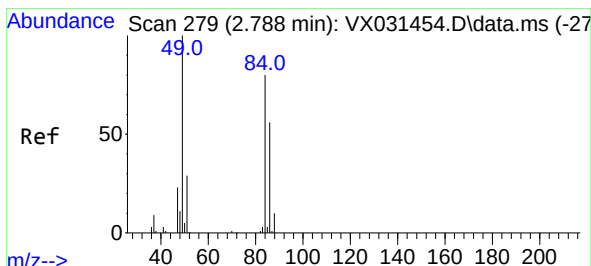
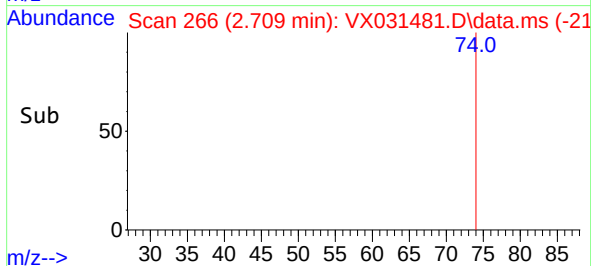
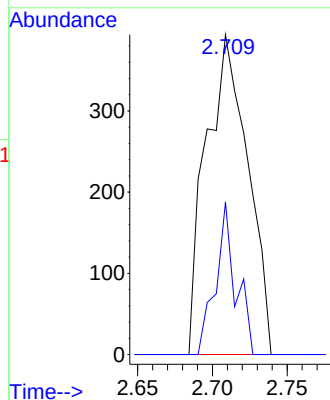
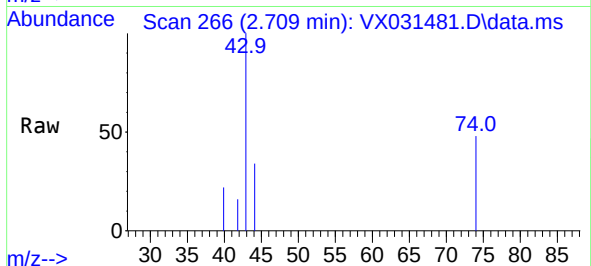




#18
Methyl Acetate
Concen: 0.413 ug/l
RT: 2.709 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX031481.D
Acq: 19 Sep 2022 23:31

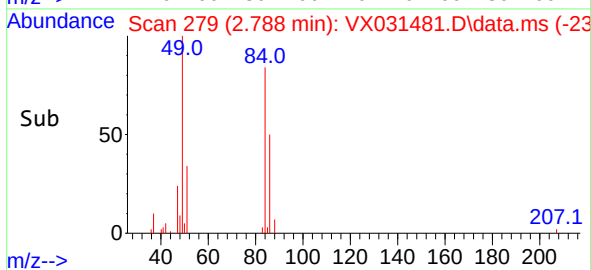
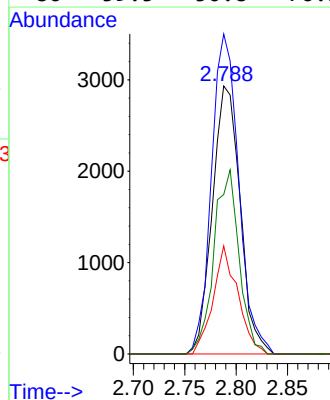
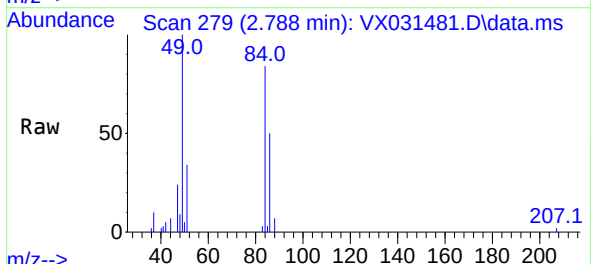
Instrument :
MSVOA_X
ClientSampleId :
CAR-1948

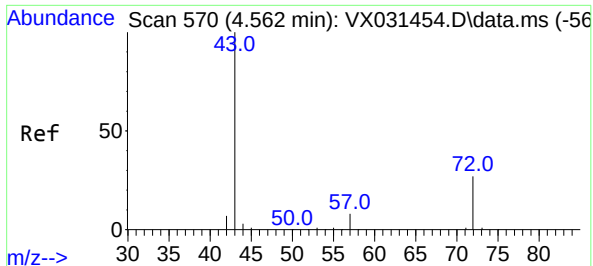
Tgt Ion: 43 Resp: 764
Ion Ratio Lower Upper
43 100
74 22.9 18.6 27.8



#20
Methylene Chloride
Concen: 2.774 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX031481.D
Acq: 19 Sep 2022 23:31

Tgt Ion: 84 Resp: 5511
Ion Ratio Lower Upper
84 100
49 119.4 105.9 158.9
51 40.3 32.2 48.2
86 59.5 50.8 76.2





#25

2-Butanone

Concen: 1.470 ug/l

RT: 4.580 min Scan# 51

Delta R.T. 0.018 min

Lab File: VX031481.D

Acq: 19 Sep 2022 23:31

Instrument :

MSVOA_X

ClientSampleId :

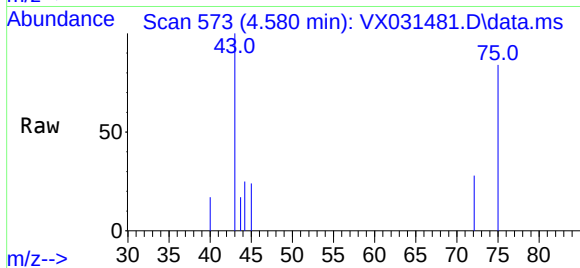
CAR-1948

Tgt Ion: 43 Resp: 1405

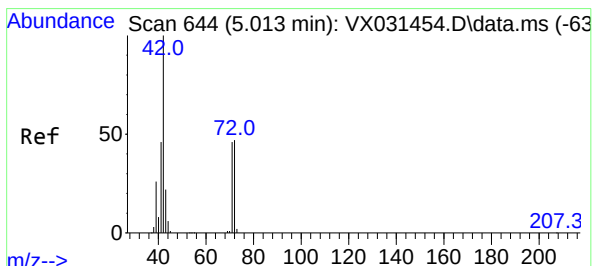
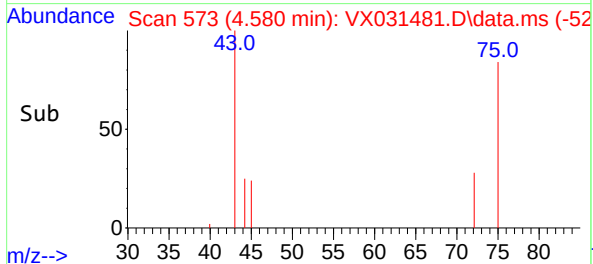
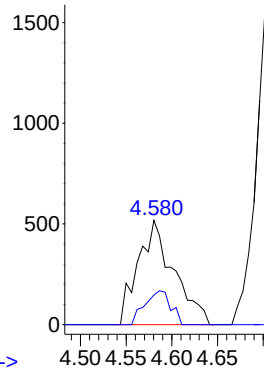
Ion Ratio Lower Upper

43 100

72 24.2 21.1 31.7



Abundance



#29

Tetrahydrofuran

Concen: 0.427 ug/l

RT: 5.038 min Scan# 648

Delta R.T. 0.025 min

Lab File: VX031481.D

Acq: 19 Sep 2022 23:31

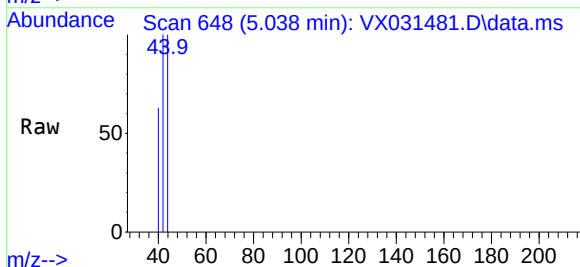
Tgt Ion: 42 Resp: 266

Ion Ratio Lower Upper

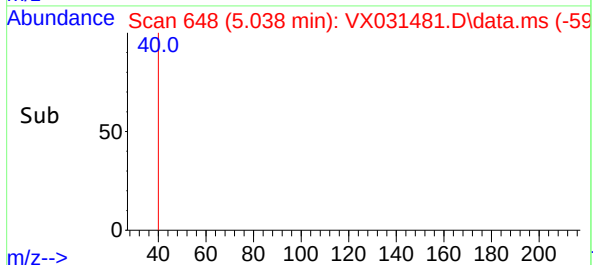
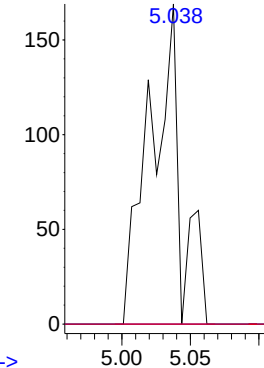
42 100

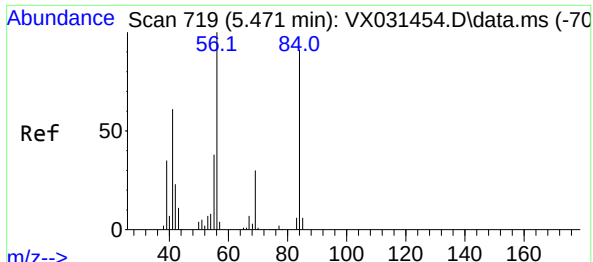
72 0.0 36.4 54.6#

71 0.0 33.5 50.3#



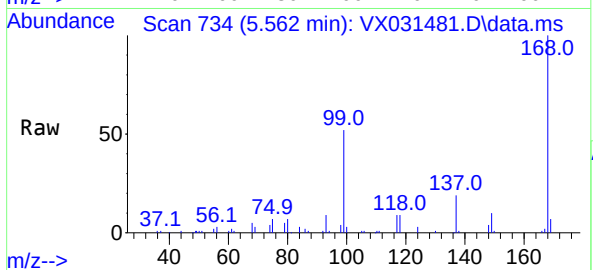
Abundance



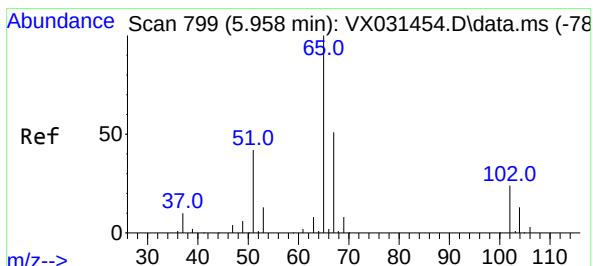
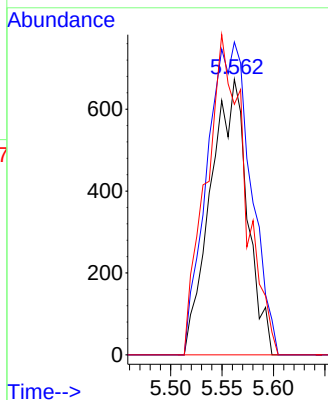
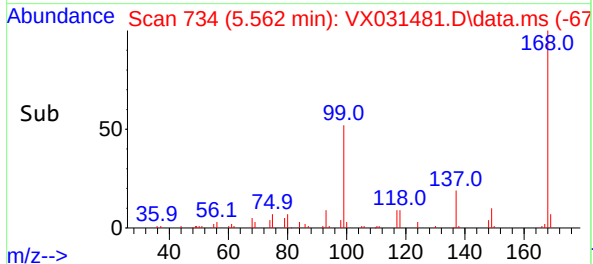


#31
Cyclohexane
Concen: 0.916 ug/l
RT: 5.562 min Scan# 719
Delta R.T. 0.091 min
Lab File: VX031481.D
Acq: 19 Sep 2022 23:31

Instrument :
MSVOA_X
ClientSampleId :
CAR-1948

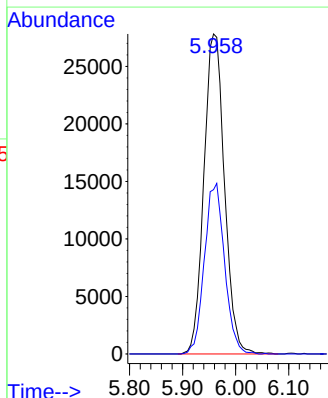
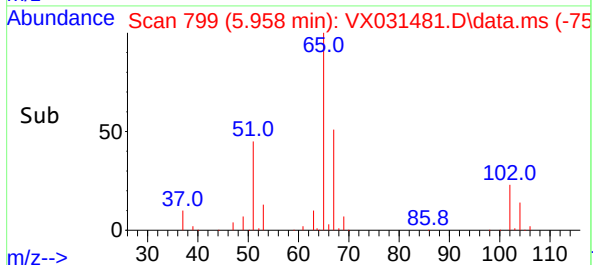
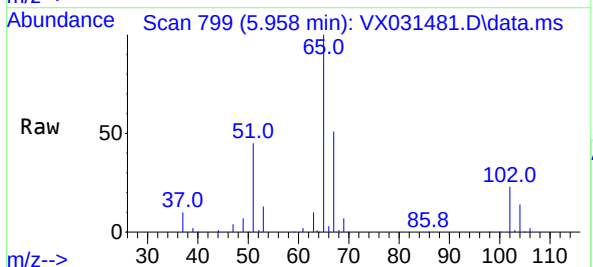


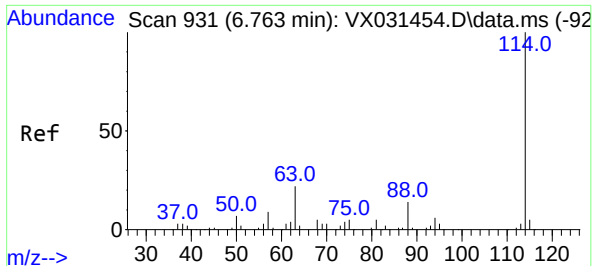
Tgt Ion: 56 Resp: 1683
Ion Ratio Lower Upper
56 100
69 113.5 25.1 37.7#
84 90.9 70.2 105.4



#33
1,2-Dichloroethane-d4
Concen: 60.693 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX031481.D
Acq: 19 Sep 2022 23:31

Tgt Ion: 65 Resp: 75004
Ion Ratio Lower Upper
65 100
67 52.2 0.0 102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 91

Delta R.T. 0.006 min

Lab File: VX031481.D

Acq: 19 Sep 2022 23:31

Instrument :

MSVOA_X

ClientSampleId :

CAR-1948

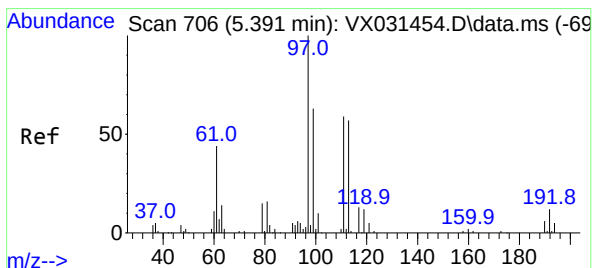
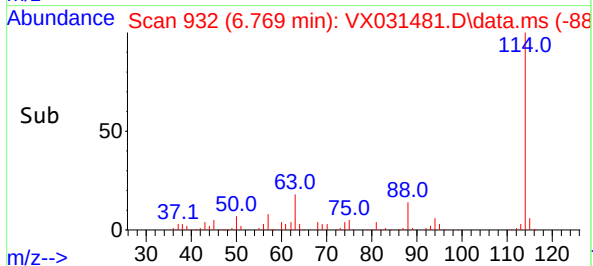
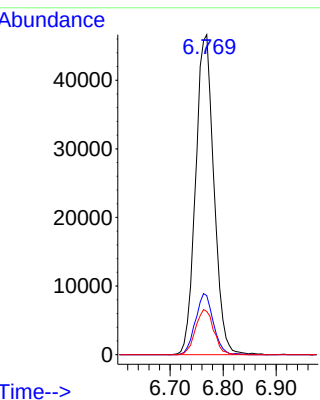
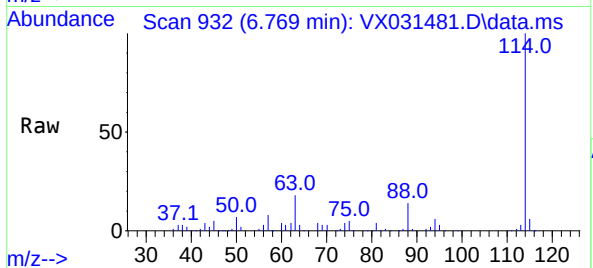
Tgt Ion:114 Resp: 111738

Ion Ratio Lower Upper

114 100

63 18.5 0.0 42.6

88 13.5 0.0 33.0



#35

Dibromofluoromethane

Concen: 55.542 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX031481.D

Acq: 19 Sep 2022 23:31

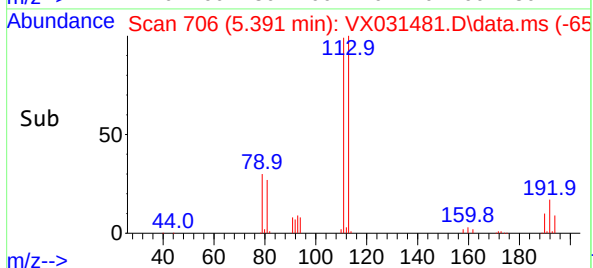
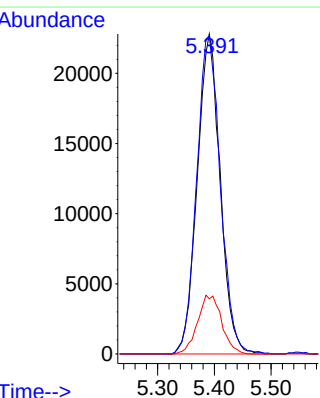
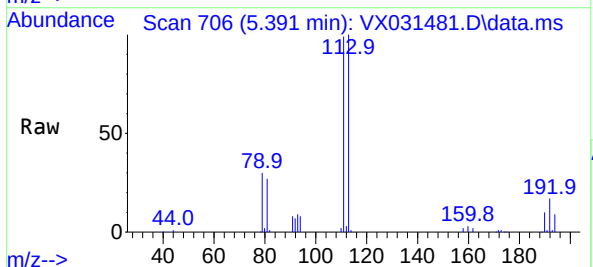
Tgt Ion:113 Resp: 64054

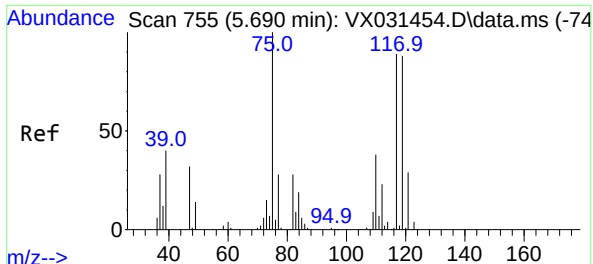
Ion Ratio Lower Upper

113 100

111 102.9 82.4 123.6

192 19.3 14.1 21.1

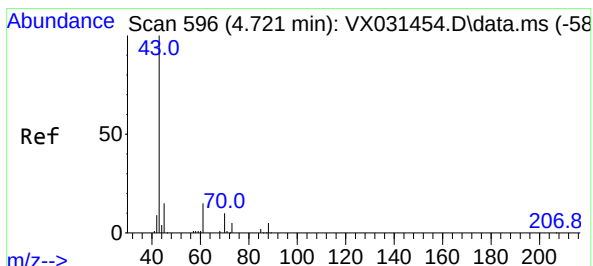
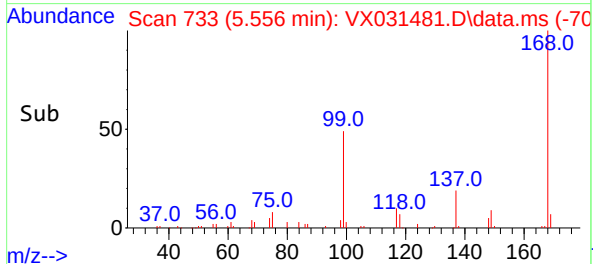
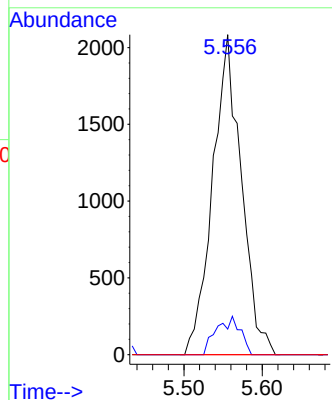
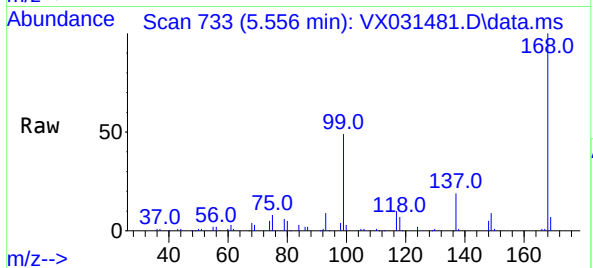




#36
1,1-Dichloropropene
Concen: 2.991 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX031481.D
Acq: 19 Sep 2022 23:31

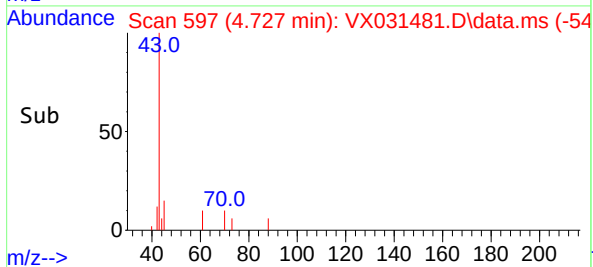
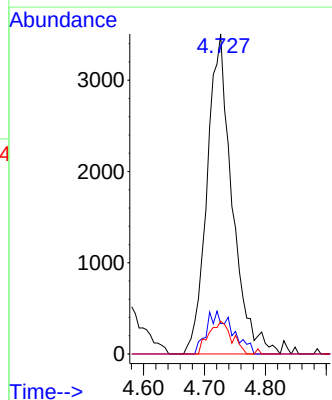
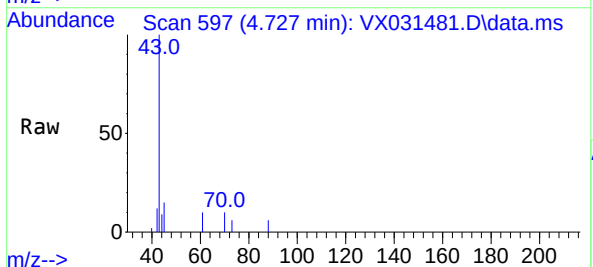
Instrument :
MSVOA_X
ClientSampleId :
CAR-1948

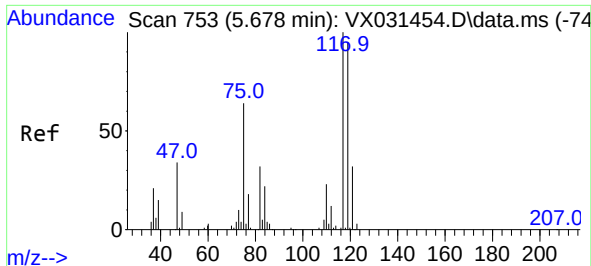
Tgt Ion: 75 Resp: 5312
Ion Ratio Lower Upper
75 100
110 9.9 17.5 52.5#
77 0.0 24.9 37.3#



#37
Ethyl Acetate
Concen: 4.724 ug/l
RT: 4.727 min Scan# 597
Delta R.T. 0.006 min
Lab File: VX031481.D
Acq: 19 Sep 2022 23:31

Tgt Ion: 43 Resp: 10010
Ion Ratio Lower Upper
43 100
61 13.8 11.1 16.7
70 9.4 8.6 13.0

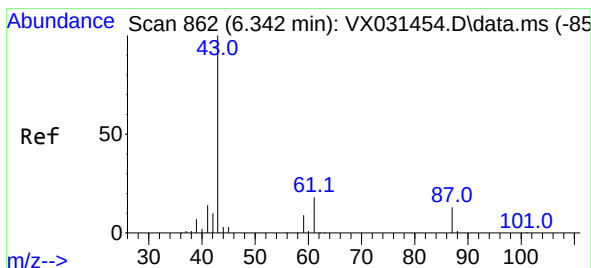
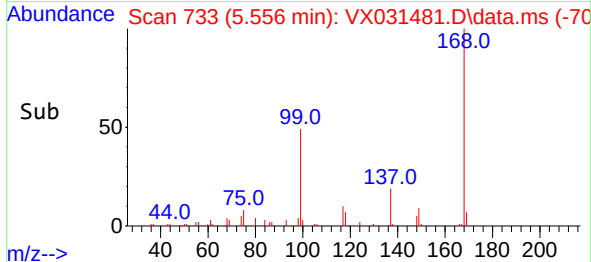
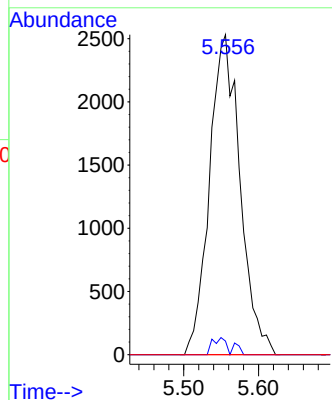
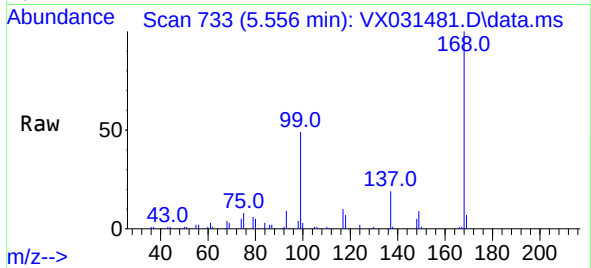




#38
Carbon Tetrachloride
Concen: 3.659 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX031481.D
Acq: 19 Sep 2022 23:31

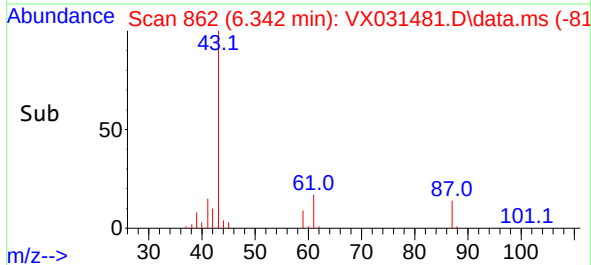
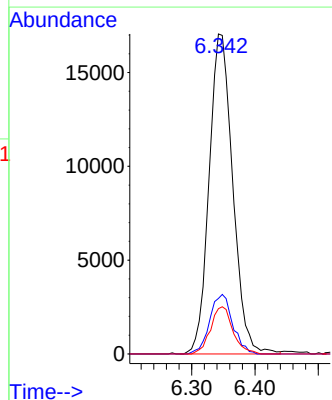
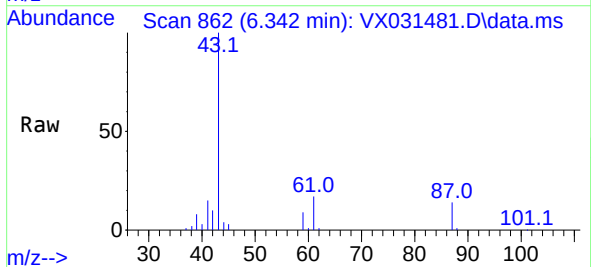
Instrument :
MSVOA_X
ClientSampleId :
CAR-1948

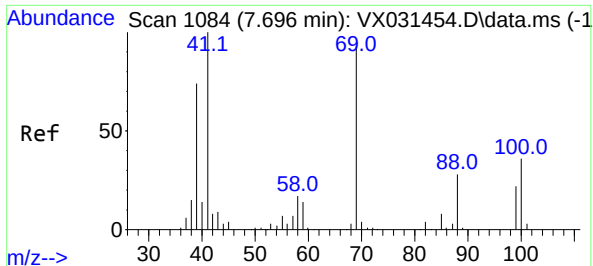
Tgt Ion:117 Resp: 7204
Ion Ratio Lower Upper
117 100
119 4.2 74.6 112.0#
121 0.0 25.3 37.9#



#43
Isopropyl Acetate
Concen: 13.596 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX031481.D
Acq: 19 Sep 2022 23:31

Tgt Ion: 43 Resp: 44277
Ion Ratio Lower Upper
43 100
61 18.1 15.3 22.9
87 13.9 10.6 15.8





#48

Methyl methacrylate

Concen: 28.152 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.103 min

Lab File: VX031481.D

Acq: 19 Sep 2022 23:31

Instrument :

MSVOA_X

ClientSampleId :

CAR-1948

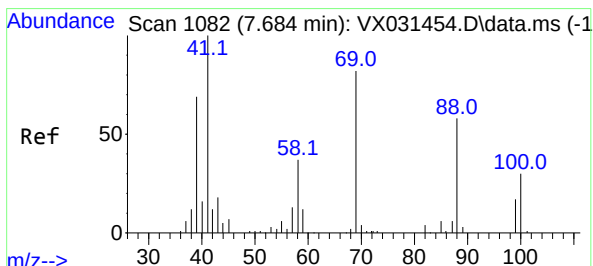
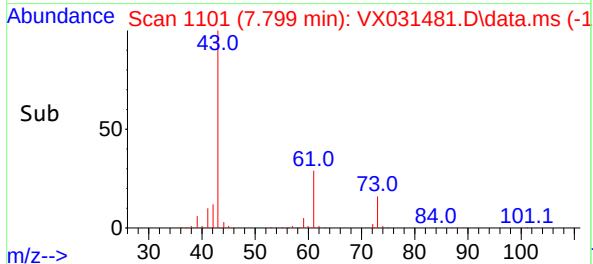
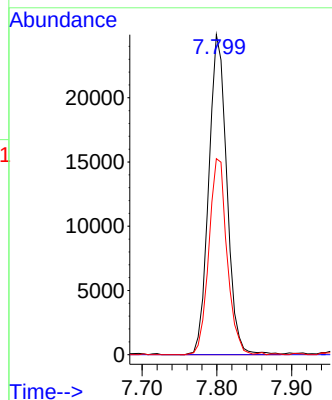
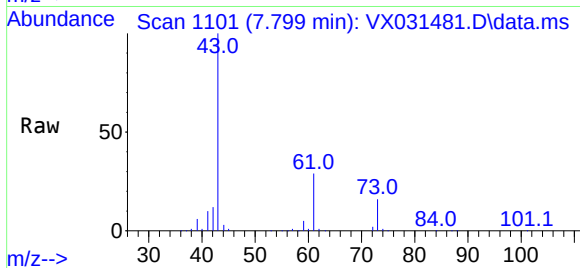
Tgt Ion: 41 Resp: 41884

Ion Ratio Lower Upper

41 100

69 0.0 64.6 96.8#

39 61.6 51.4 77.0



#49

1,4-Dioxane

Concen: 0.677 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.115 min

Lab File: VX031481.D

Acq: 19 Sep 2022 23:31

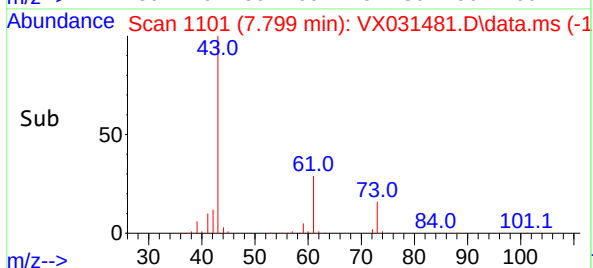
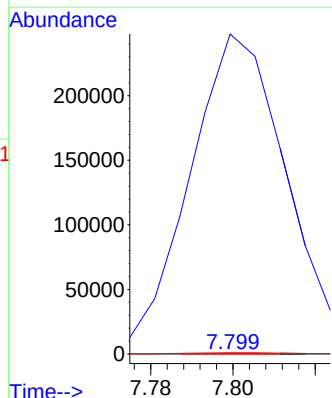
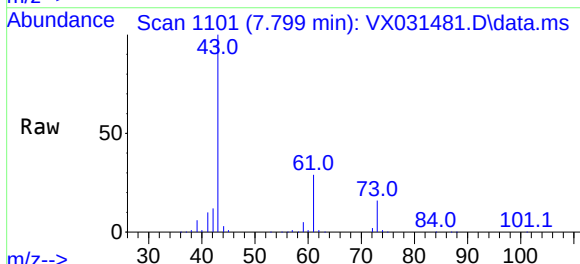
Tgt Ion: 88 Resp: 23

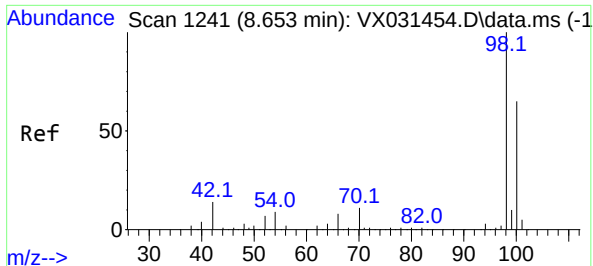
Ion Ratio Lower Upper

88 100

43 1795443.5 27.1 40.7#

58 7895.7 53.9 80.9#





#50

Toluene-d8

Concen: 55.176 ug/l

RT: 8.653 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX031481.D

Acq: 19 Sep 2022 23:31

Instrument :

MSVOA_X

ClientSampleId :

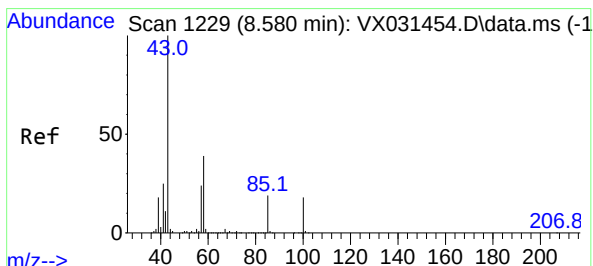
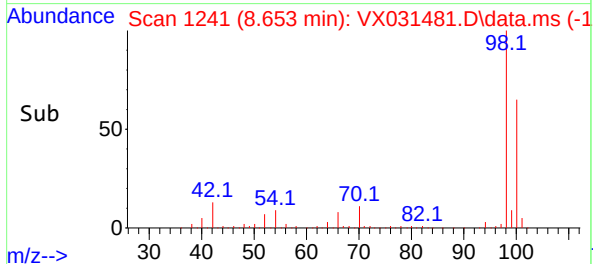
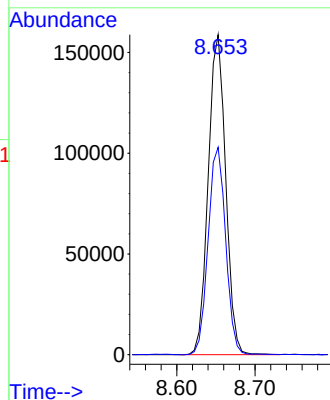
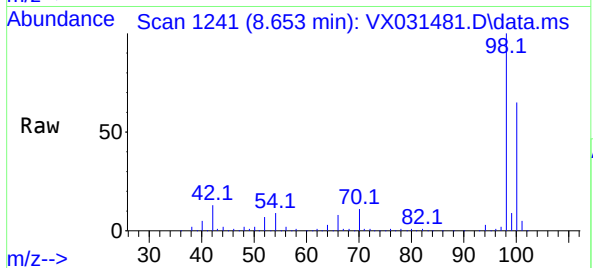
CAR-1948

Tgt Ion: 98 Resp: 245628

Ion Ratio Lower Upper

98 100

100 65.2 52.5 78.7



#51

4-Methyl-2-Pentanone

Concen: 17.260 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. -0.031 min

Lab File: VX031481.D

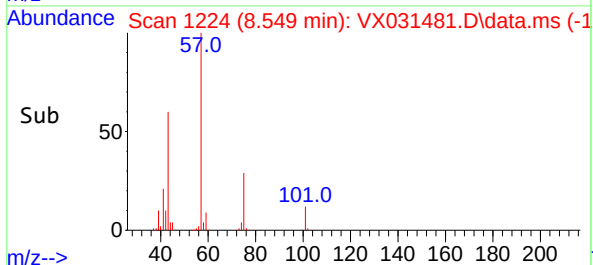
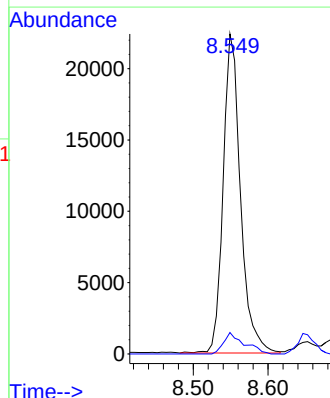
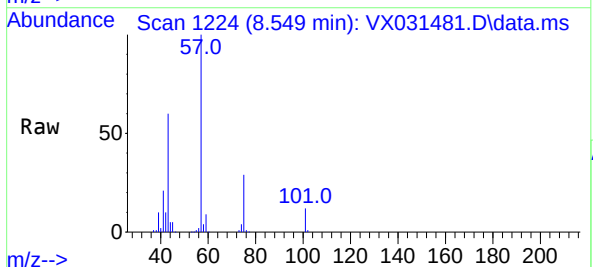
Acq: 19 Sep 2022 23:31

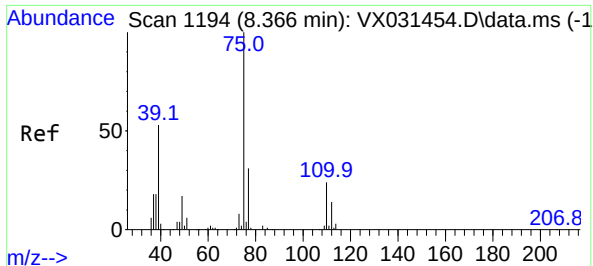
Tgt Ion: 43 Resp: 36154

Ion Ratio Lower Upper

43 100

58 8.0 30.6 46.0#





#54

cis-1,3-Dichloropropene

Concen: 7.289 ug/l

RT: 8.549 min Scan# 1194

Delta R.T. 0.183 min

Lab File: VX031481.D

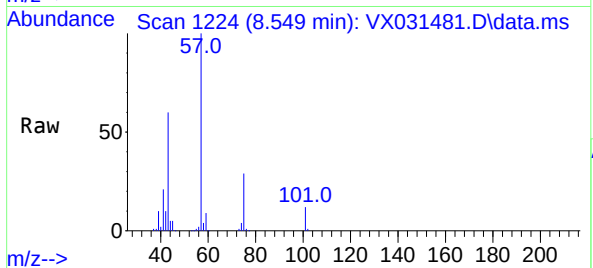
Acq: 19 Sep 2022 23:31

Instrument :

MSVOA_X

ClientSampleId :

CAR-1948



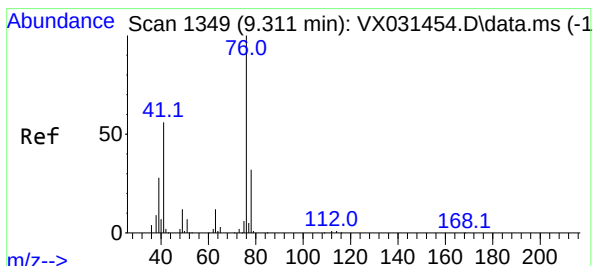
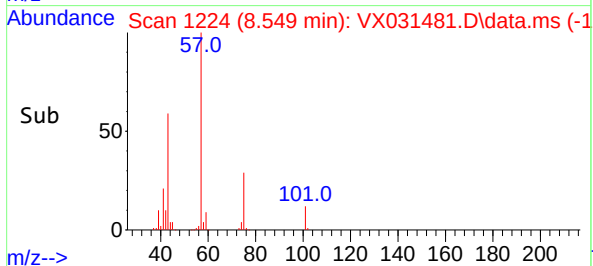
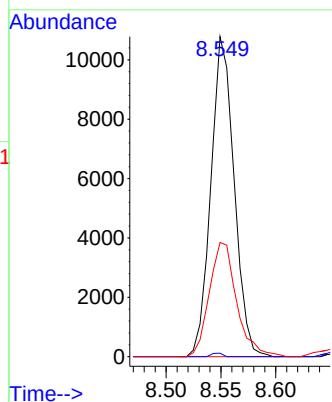
Tgt Ion: 75 Resp: 15902

Ion Ratio Lower Upper

75 100

77 1.1 24.4 36.6#

39 35.7 43.7 65.5#



#57

1,3-Dichloropropane

Concen: 0.878 ug/l

RT: 9.488 min Scan# 1378

Delta R.T. 0.177 min

Lab File: VX031481.D

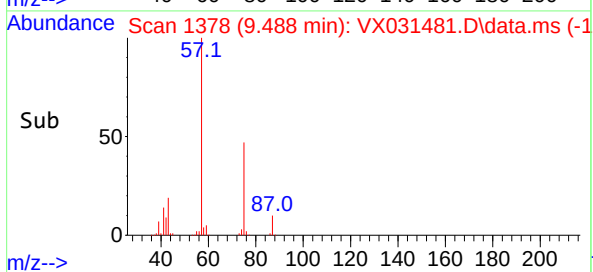
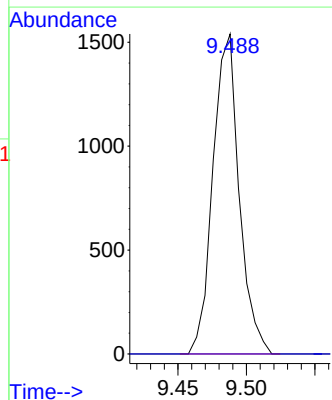
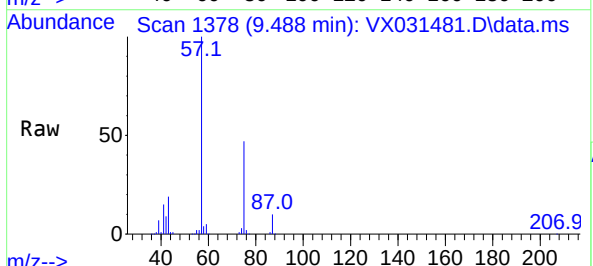
Acq: 19 Sep 2022 23:31

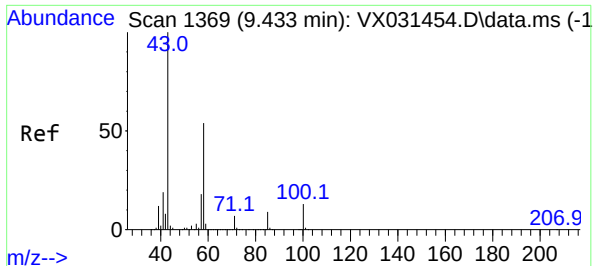
Tgt Ion: 76 Resp: 2051

Ion Ratio Lower Upper

76 100

78 0.0 25.5 38.3#





#59

2-Hexanone

Concen: 17.077 ug/l

RT: 9.482 min Scan# 11

Delta R.T. 0.049 min

Lab File: VX031481.D

Acq: 19 Sep 2022 23:31

Instrument :

MSVOA_X

ClientSampleId :

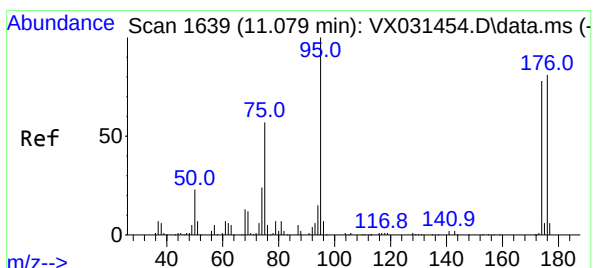
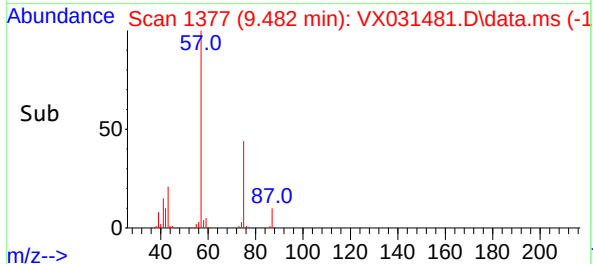
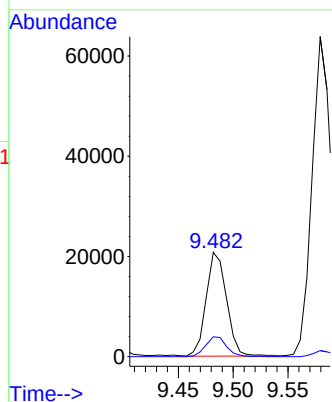
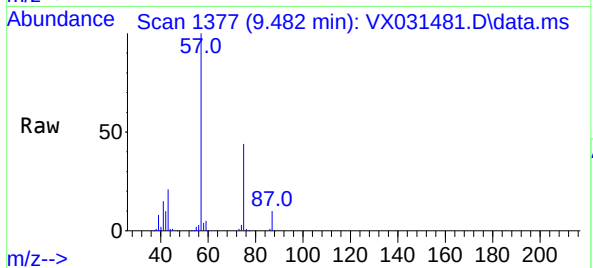
CAR-1948

Tgt Ion: 43 Resp: 26865

Ion Ratio Lower Upper

43 100

58 19.9 26.7 80.0#



#62

4-Bromofluorobenzene

Concen: 51.846 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.006 min

Lab File: VX031481.D

Acq: 19 Sep 2022 23:31

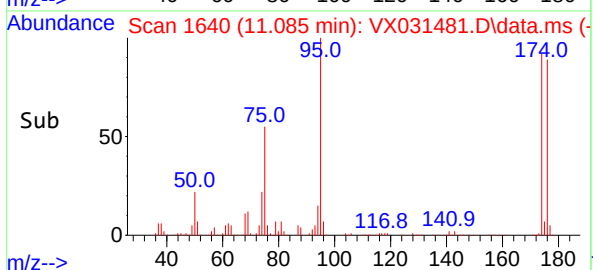
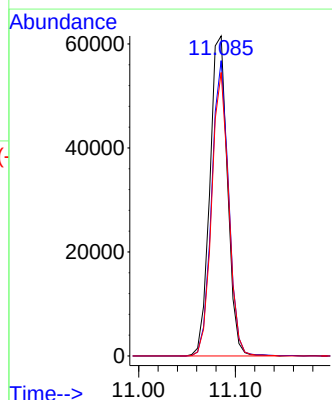
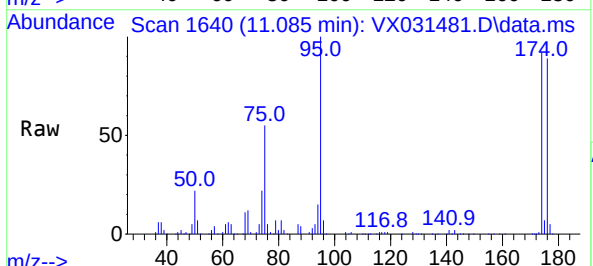
Tgt Ion: 95 Resp: 78180

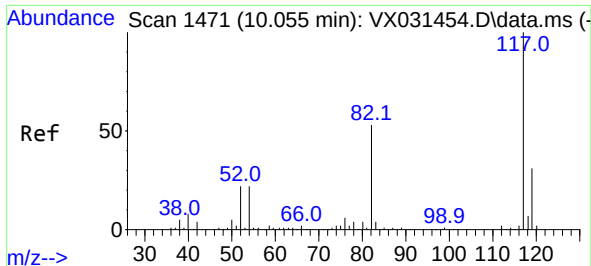
Ion Ratio Lower Upper

95 100

174 88.5 0.0 153.2

176 85.1 0.0 144.0

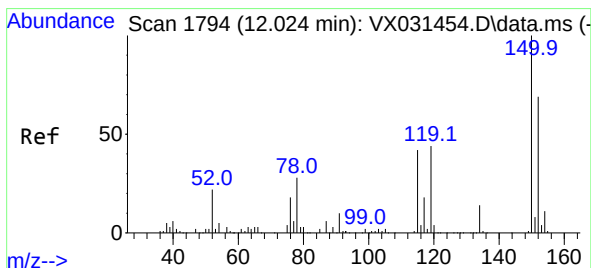
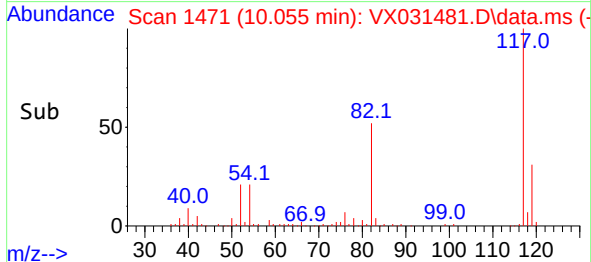
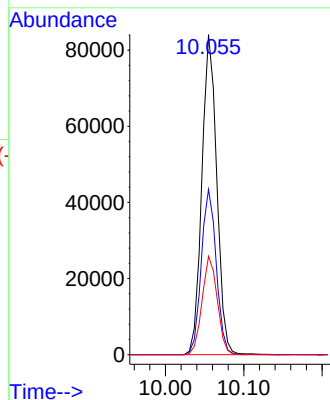
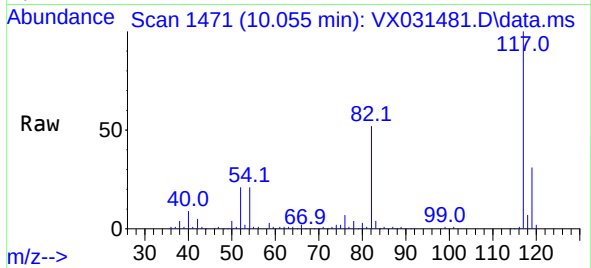




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX031481.D
Acq: 19 Sep 2022 23:31

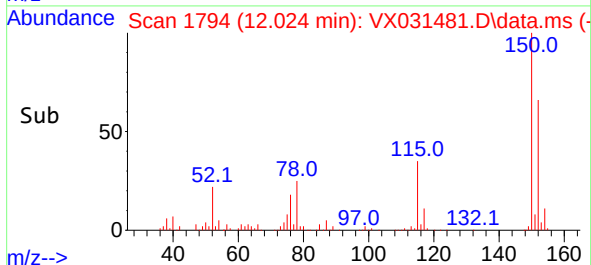
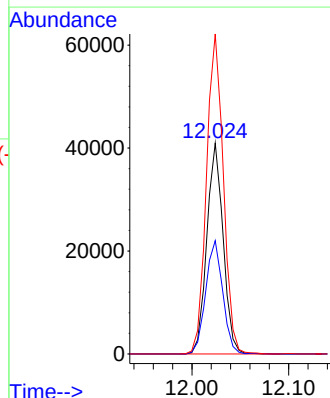
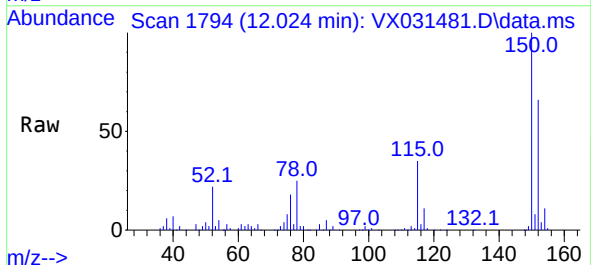
Instrument :
MSVOA_X
ClientSampleId :
CAR-1948

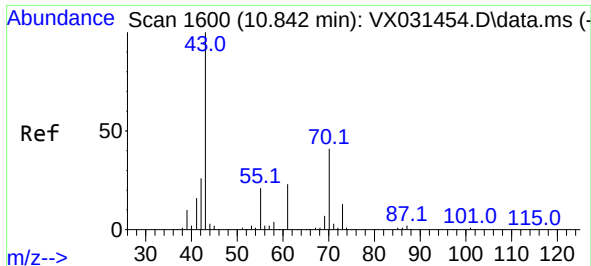
Tgt Ion:117 Resp: 111128
Ion Ratio Lower Upper
117 100
82 51.6 46.8 70.2
119 30.8 26.4 39.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX031481.D
Acq: 19 Sep 2022 23:31

Tgt Ion:152 Resp: 48154
Ion Ratio Lower Upper
152 100
115 56.2 43.4 130.1
150 156.9 0.0 346.8

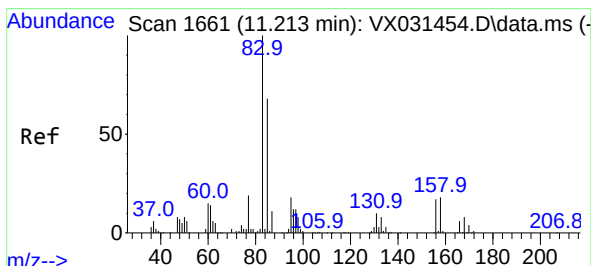
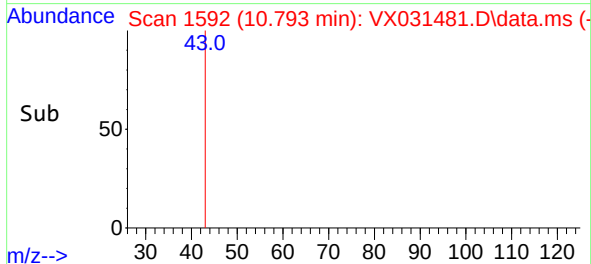
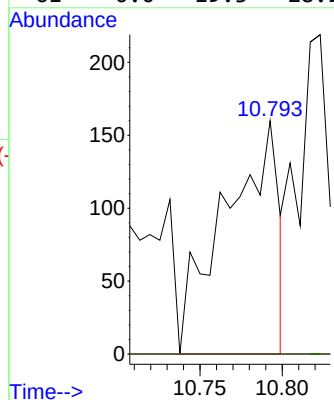
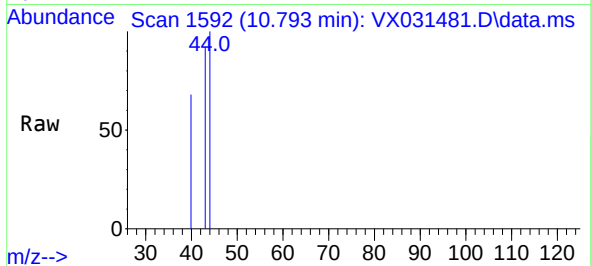




#74
N-amy1 acetate
Concen: 0.247 ug/l
RT: 10.793 min Scan# 11
Delta R.T. -0.049 min
Lab File: VX031481.D
Acq: 19 Sep 2022 23:31

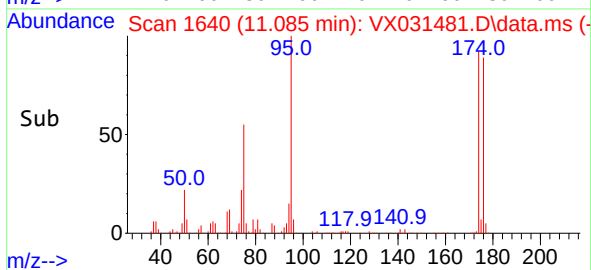
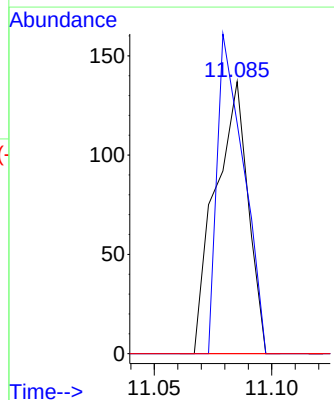
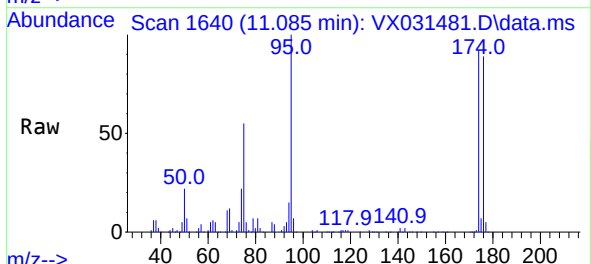
Instrument :
MSVOA_X
ClientSampleId :
CAR-1948

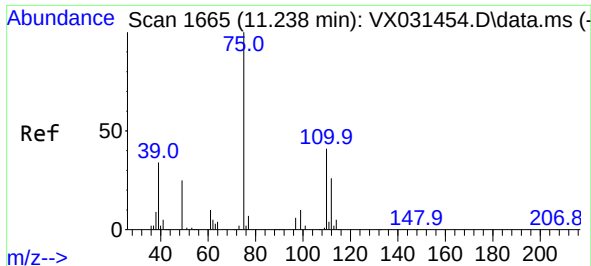
Tgt Ion: 43	Resp:	360
Ion	Ratio	Lower Upper
43	100	
70	0.0	33.4 50.2#
55	0.0	18.2 27.2#
61	0.0	19.3 28.9#



#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 11.085 min Scan# 1640
Delta R.T. -0.128 min
Lab File: VX031481.D
Acq: 19 Sep 2022 23:31

Tgt Ion: 83	Resp:	133
Ion	Ratio	Lower Upper
83	100	
131	94.7	5.1 15.4#
85	0.0	32.6 97.8#

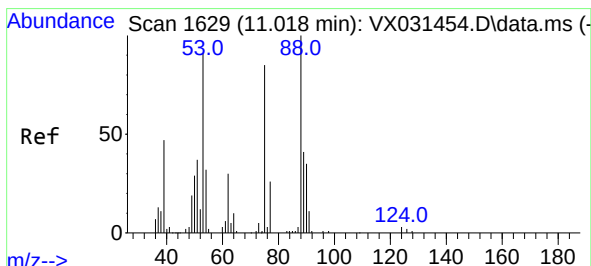
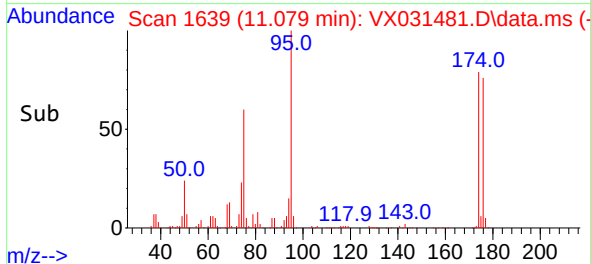
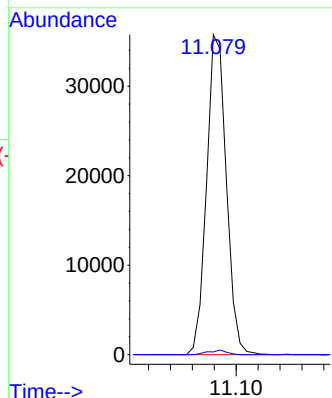
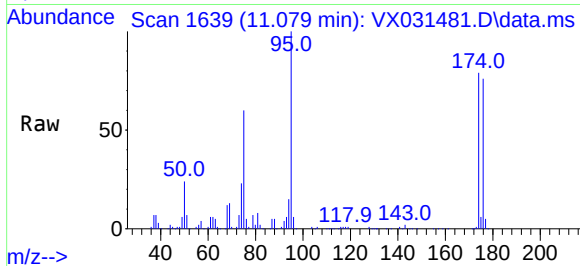




#76
1,2,3-Trichloropropane
Concen: 41.520 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX031481.D
Acq: 19 Sep 2022 23:31

Instrument :
MSVOA_X
ClientSampleId :
CAR-1948

Tgt Ion: 75 Resp: 44623
Ion Ratio Lower Upper
75 100
77 1.3 20.3 60.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 133.687 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX031481.D
Acq: 19 Sep 2022 23:31

Tgt Ion: 75 Resp: 44623
Ion Ratio Lower Upper
75 100
53 0.0 77.6 116.4#
89 0.1 37.4 56.0#

