

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL071023\
 Data File : VL040510.D
 Acq On : 10 Jul 2023 14:28
 Operator : SY/MD
 Sample : VSTDIC0.1
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

Quant Time: Jul 11 02:14:29 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL071023AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Mon Jul 10 16:32:00 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.202	49	1029639	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.664	114	2648016	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.481	117	2282918	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.790	95	1830201	10.130	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.300%

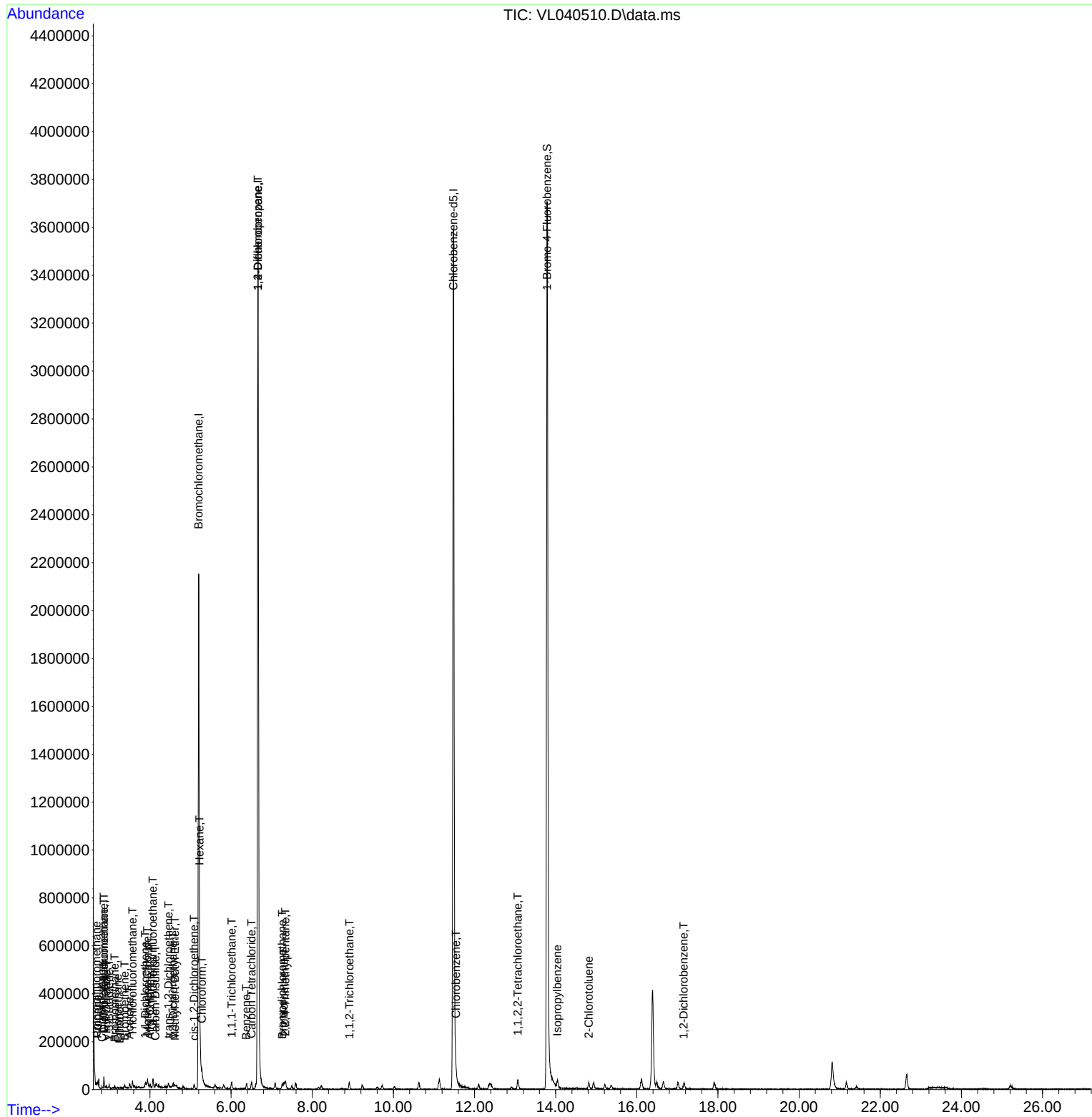
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.867	85	16263	0.079	ppbv	91
3) Chlorodifluoromethane	2.684	51	15412	0.094	ppbv #	89
4) Chloromethane	2.819	50	6545	0.101	ppbv	99
5) Vinyl Chloride	2.932	62	6849	0.101	ppbv	95
6) Bromomethane	3.131	94	2222	0.078	ppbv #	61
7) Chloroethane	3.205	64	2643	0.111	ppbv #	86
8) Dichlorotetrafluoroethane	2.867	85	16263	0.096	ppbv	91
9) Propene	2.703	41	4543	0.081	ppbv #	10
11) Trichlorofluoromethane	3.571	101	16917	0.102	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.073	101	6086	0.052	ppbv #	13
13) Ethanol	3.256	45	387	0.032	ppbv #	37
14) Bromoethene	3.378	108	5020	0.100	ppbv #	92
15) Acetone	3.497	43	10238	0.086	ppbv #	28
16) 1,3-Butadiene	2.993	39	4215	0.070	ppbv #	67
18) 1,1-Dichloroethene	3.883	96	6066	0.113	ppbv #	71
20) Methylene Chloride	3.938	84	9992	0.198	ppbv #	69
21) Allyl Chloride	4.005	41	6133	0.091	ppbv #	67
22) trans-1,2-Dichloroethene	4.456	96	3594	0.068	ppbv #	79
24) 1,1-Dichloroethane	4.568	63	11745	0.102	ppbv #	96
26) Hexane	5.221	57	7147	0.068	ppbv #	48
27) Carbon Disulfide	4.134	76	10458	0.085	ppbv #	43
28) Methyl tert-Butyl Ether	4.616	73	7615	0.090	ppbv	100
29) Chloroform	5.279	83	17119	0.098	ppbv	91
31) cis-1,2-Dichloroethene	5.086	61	8198	0.079	ppbv	93
32) 1,1,1-Trichloroethane	6.012	97	9068	0.053	ppbv #	48
35) Carbon Tetrachloride	6.501	117	10890	0.068	ppbv #	80
36) Benzene	6.375	78	16914	0.079	ppbv #	90
38) Trichloroethene	7.301	130	3698	0.046	ppbv #	91
39) 1,2-Dichloropropane	6.664	63	659726	8.043	ppbv #	26
42) Bromodichloromethane	7.259	83	8784	0.050	ppbv #	85
44) 2,2,4-Trimethylpentane	7.336	57	23420	0.068	ppbv #	85
47) 1,1,2-Trichloroethane	8.918	97	3594	0.040	ppbv	91
57) Chlorobenzene	11.542	112	7118	0.040	ppbv #	73
62) Isopropylbenzene	14.040	105	11506	0.032	ppbv #	49
63) 1,1,2,2-Tetrachloroethane	13.063	83	7358	0.043	ppbv #	18
71) 2-Chlorotoluene	14.815	91	8925	0.032	ppbv #	66
77) 1,2-Dichlorobenzene	17.156	146	5786	0.034	ppbv #	5

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

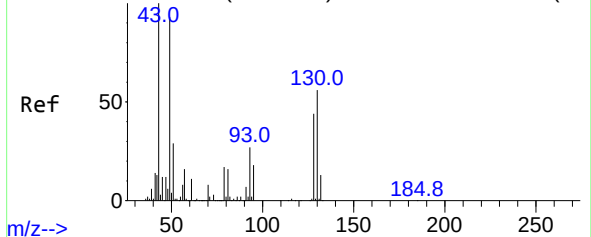
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL071023\
Data File : VL040510.D
Acq On : 10 Jul 2023 14:28
Operator : SY/MD
Sample : VSTDICC0.1
Misc : 400mL/MSVOA_L
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Instrument :
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ClientSampleId :
VSTDICC0.1

Quant Time: Jul 11 02:14:29 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL071023AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Mon Jul 10 16:32:00 2023
Response via : Initial Calibration



Abundance Scan 804 (5.189 min): VL040455.D\data.ms (-78)



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.202 min Scan# 80

Delta R.T. -0.000 min

Lab File: VL040510.D

Acq: 10 Jul 2023 14:28

Instrument :

MSVOA_1

ClientSampleId :

VSTDICC0.1

Tgt Ion: 49 Resp: 1029639

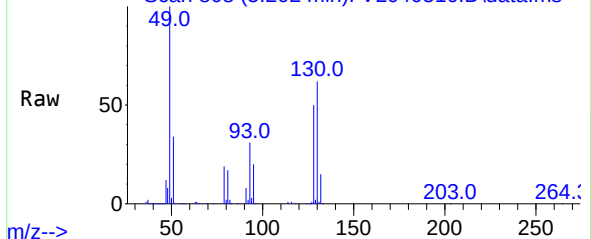
Ion Ratio Lower Upper

49 100

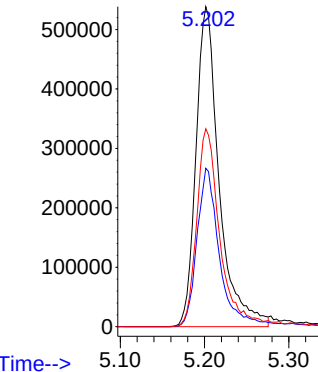
128 49.7 25.1 75.4

130 63.2 31.6 94.7

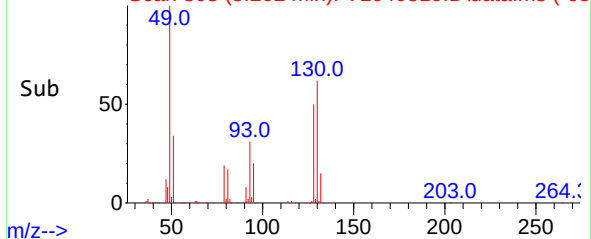
Abundance Scan 808 (5.202 min): VL040510.D\data.ms



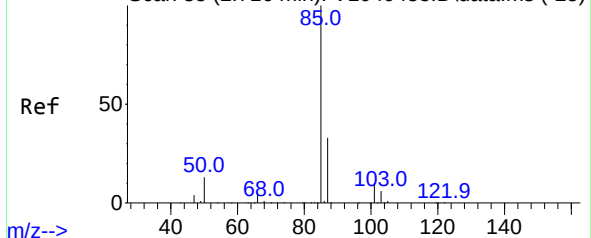
Abundance



Abundance Scan 808 (5.202 min): VL040510.D\data.ms (-65)



Abundance Scan 35 (2.716 min): VL040455.D\data.ms (-25)



#2

Dichlorodifluoromethane

Concen: 0.079 ppbv

RT: 2.867 min Scan# 82

Delta R.T. 0.129 min

Lab File: VL040510.D

Acq: 10 Jul 2023 14:28

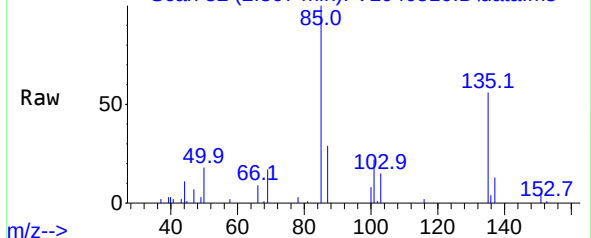
Tgt Ion: 85 Resp: 16263

Ion Ratio Lower Upper

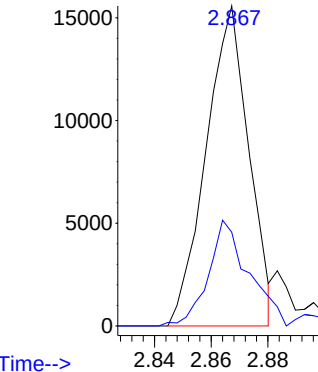
85 100

87 28.2 26.8 40.2

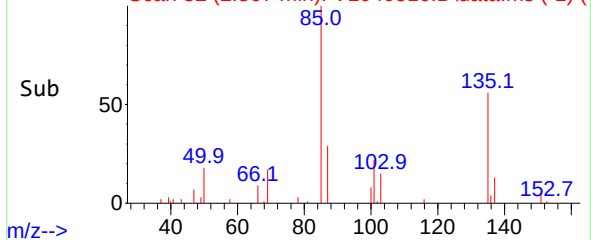
Abundance Scan 82 (2.867 min): VL040510.D\data.ms

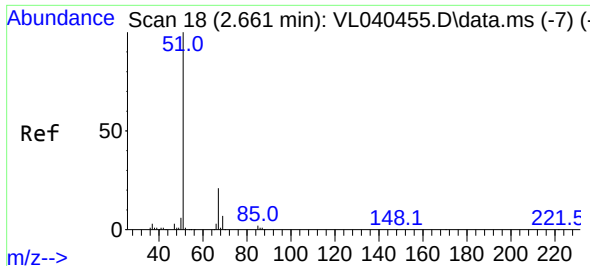


Abundance



Abundance Scan 82 (2.867 min): VL040510.D\data.ms (-1)

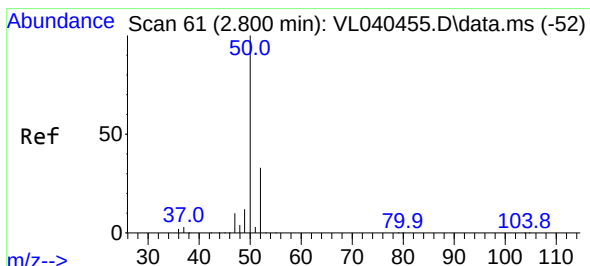
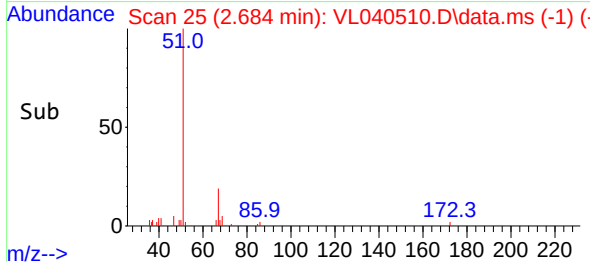
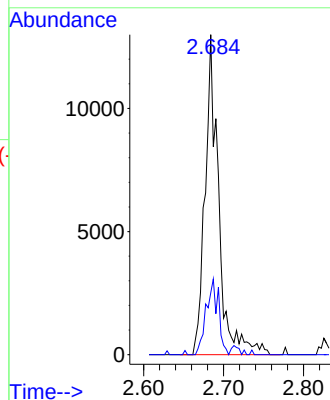
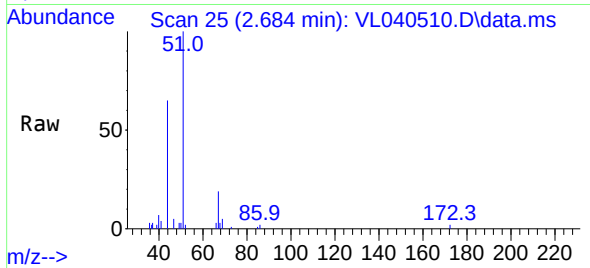




#3
Chlorodifluoromethane
Concen: 0.094 ppbv
RT: 2.684 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL040510.D
Acq: 10 Jul 2023 14:28

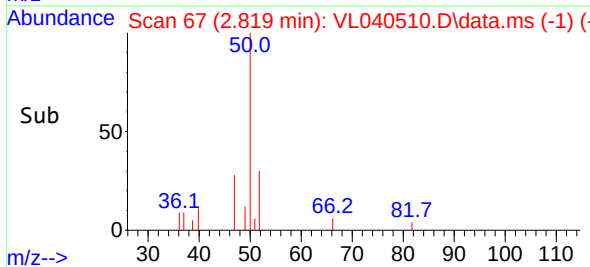
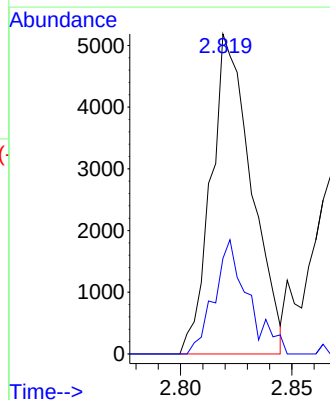
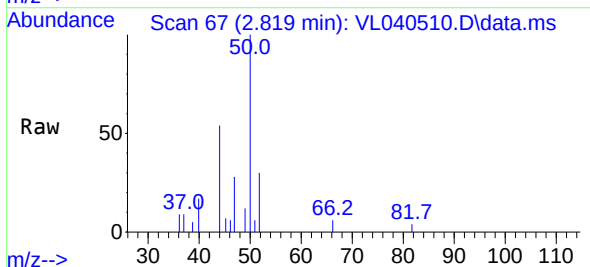
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

Tgt Ion: 51 Resp: 15412
Ion Ratio Lower Upper
51 100
67 23.0 14.6 21.8#

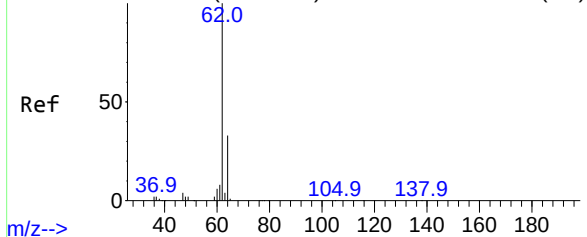


#4
Chloromethane
Concen: 0.101 ppbv
RT: 2.819 min Scan# 67
Delta R.T. -0.003 min
Lab File: VL040510.D
Acq: 10 Jul 2023 14:28

Tgt Ion: 50 Resp: 6545
Ion Ratio Lower Upper
50 100
52 29.8 24.4 36.6



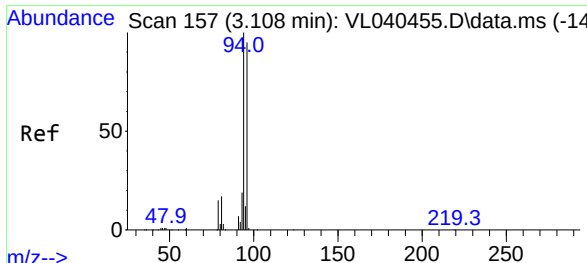
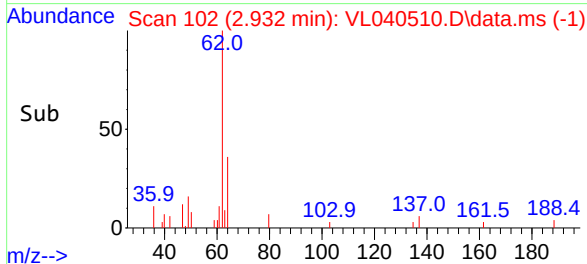
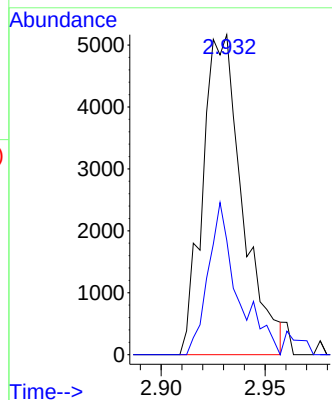
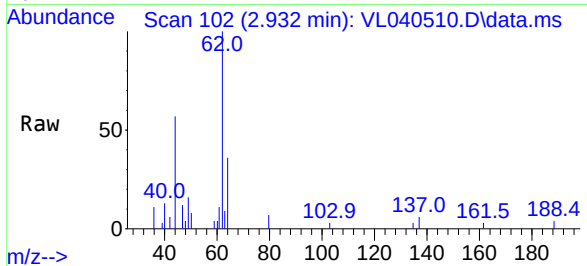
Abundance Scan 94 (2.906 min): VL040455.D\data.ms (-85)



#5
Vinyl Chloride
Concen: 0.101 ppbv
RT: 2.932 min Scan# 10
Delta R.T. 0.003 min
Lab File: VL040510.D
Acq: 10 Jul 2023 14:28

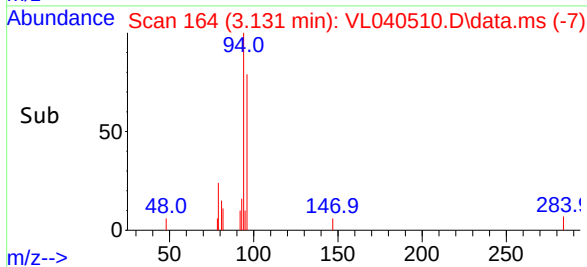
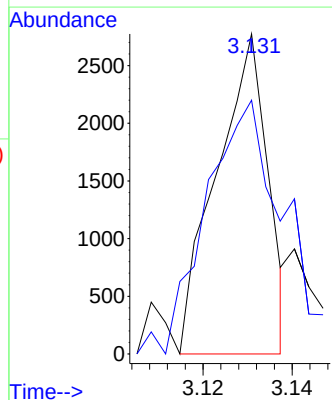
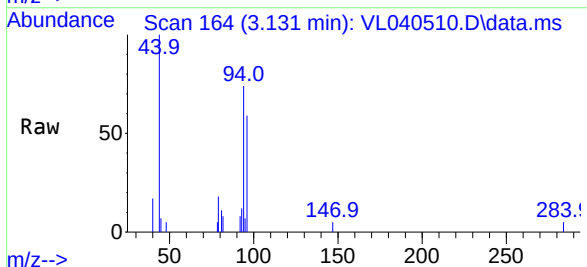
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

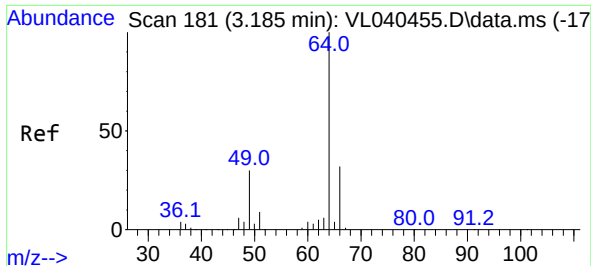
Tgt Ion: 62 Resp: 6849
Ion Ratio Lower Upper
62 100
64 35.8 26.4 39.6



#6
Bromomethane
Concen: 0.078 ppbv
RT: 3.131 min Scan# 164
Delta R.T. 0.003 min
Lab File: VL040510.D
Acq: 10 Jul 2023 14:28

Tgt Ion: 94 Resp: 2222
Ion Ratio Lower Upper
94 100
96 56.7 75.7 113.5#





#7

Chloroethane

Concen: 0.111 ppbv

RT: 3.205 min Scan# 11

Delta R.T. 0.000 min

Lab File: VL040510.D

Acq: 10 Jul 2023 14:28

Instrument :

MSVOA_1

ClientSampleId :

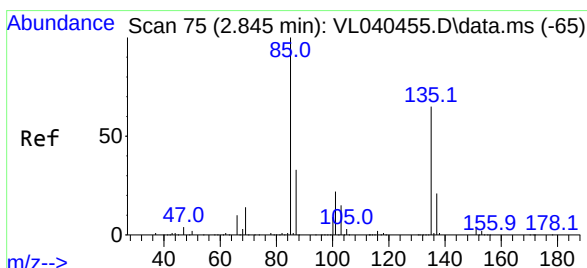
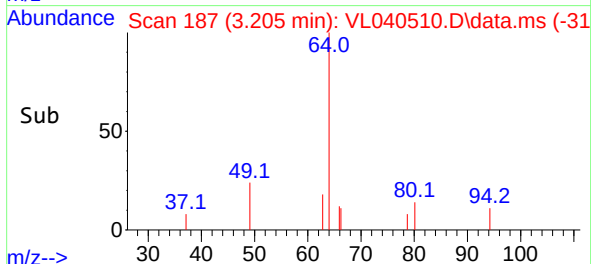
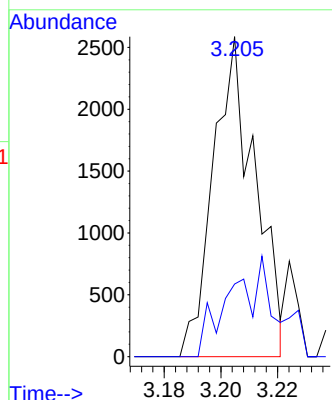
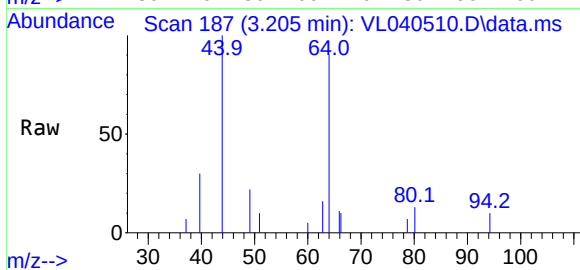
VSTDICC0.1

Tgt Ion: 64 Resp: 2643

Ion Ratio Lower Upper

64 100

66 22.7 24.4 36.6#



#8

Dichlorotetrafluoroethane

Concen: 0.096 ppbv

RT: 2.867 min Scan# 82

Delta R.T. 0.000 min

Lab File: VL040510.D

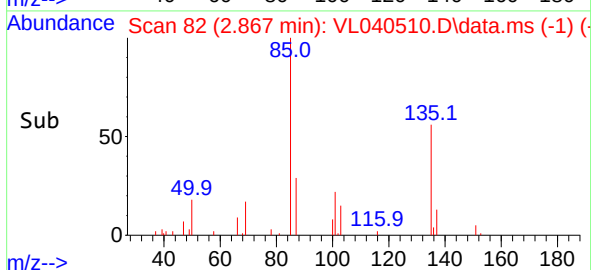
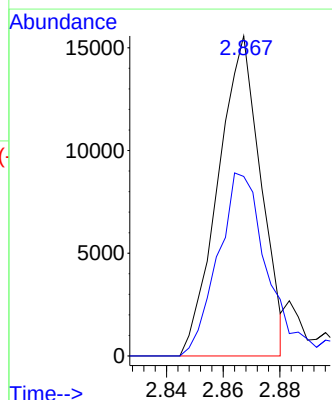
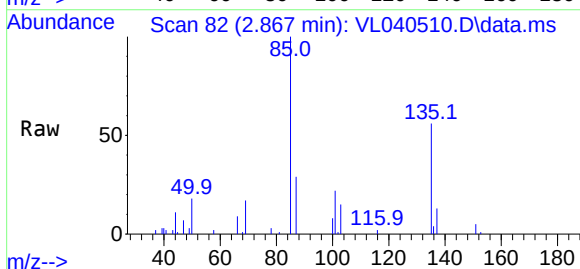
Acq: 10 Jul 2023 14:28

Tgt Ion: 85 Resp: 16263

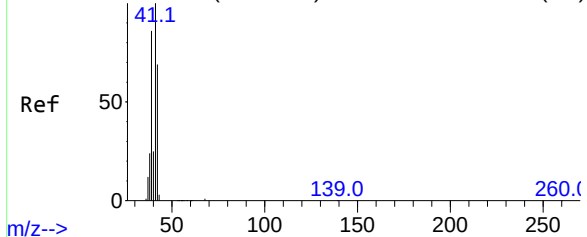
Ion Ratio Lower Upper

85 100

135 72.6 52.4 78.6



Abundance Scan 23 (2.677 min): VL040455.D\data.ms (-15)



#9

Propene

Concen: 0.081 ppbv

RT: 2.703 min Scan# 31

Delta R.T. 0.000 min

Lab File: VL040510.D

Acq: 10 Jul 2023 14:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.1

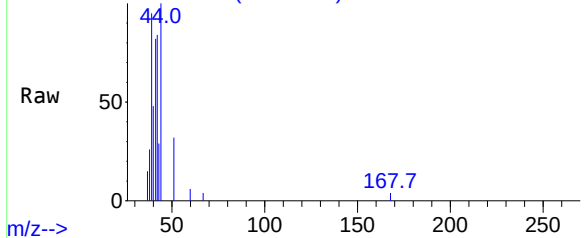
Tgt Ion: 41 Resp: 4543

Ion Ratio Lower Upper

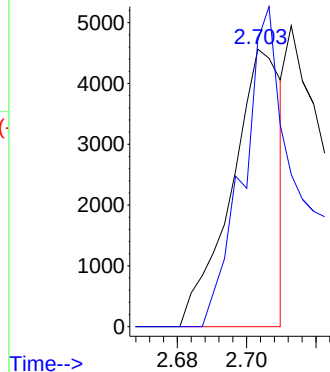
41 100

42 141.8 55.0 82.6#

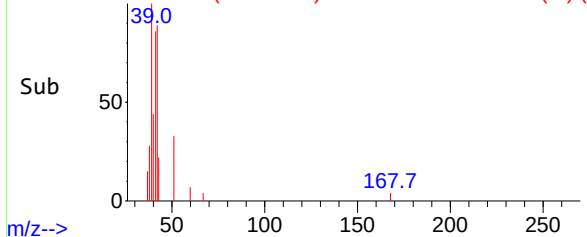
Abundance Scan 31 (2.703 min): VL040510.D\data.ms



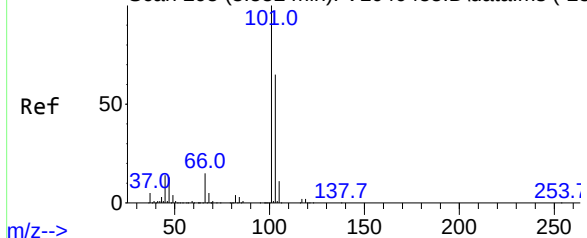
Abundance



Abundance Scan 31 (2.703 min): VL040510.D\data.ms (-1)



Abundance Scan 295 (3.552 min): VL040455.D\data.ms (-28)



#11

Trichlorofluoromethane

Concen: 0.102 ppbv

RT: 3.571 min Scan# 301

Delta R.T. 0.000 min

Lab File: VL040510.D

Acq: 10 Jul 2023 14:28

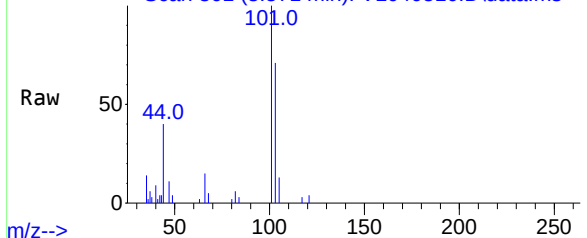
Tgt Ion: 101 Resp: 16917

Ion Ratio Lower Upper

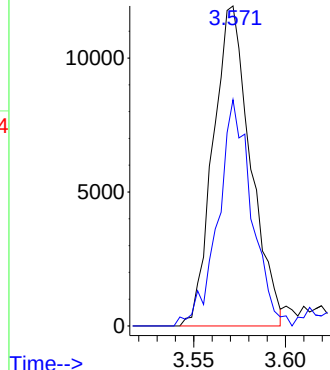
101 100

103 67.9 53.4 80.0

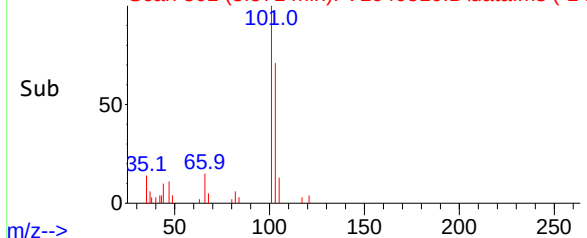
Abundance Scan 301 (3.571 min): VL040510.D\data.ms

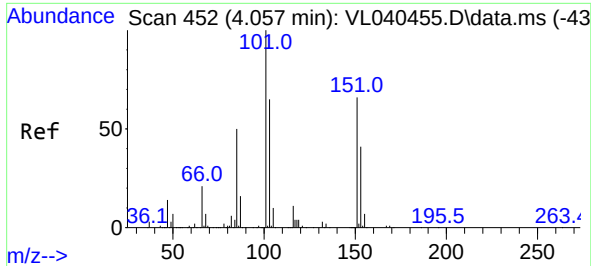


Abundance



Abundance Scan 301 (3.571 min): VL040510.D\data.ms (-14)

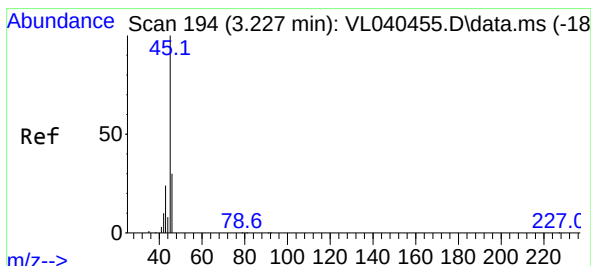
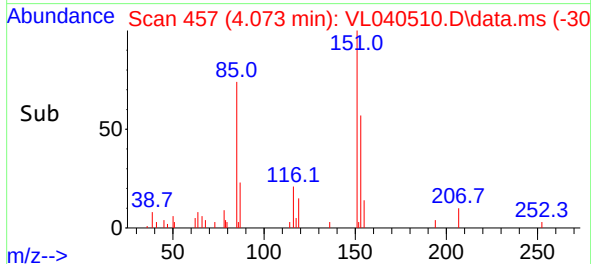
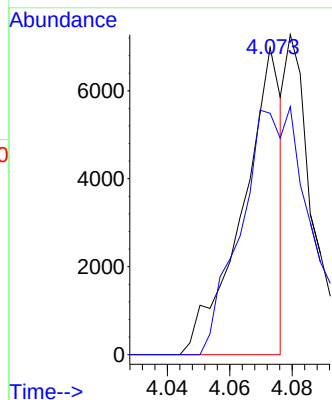
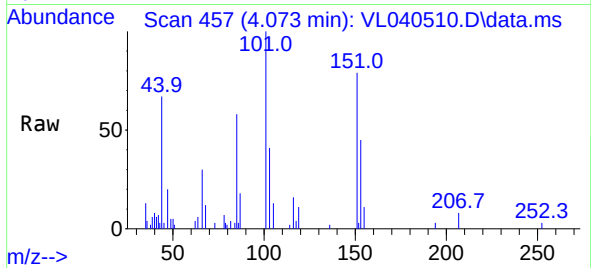




#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.052 ppbv
RT: 4.073 min Scan# 41
Delta R.T. 0.000 min
Lab File: VL040510.D
Acq: 10 Jul 2023 14:28

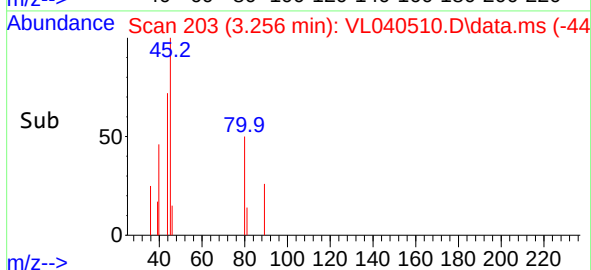
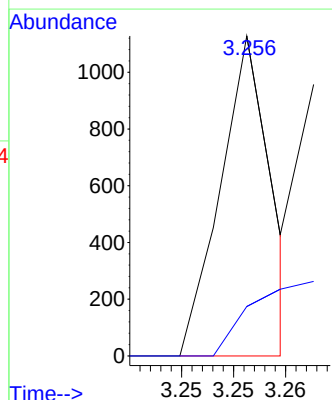
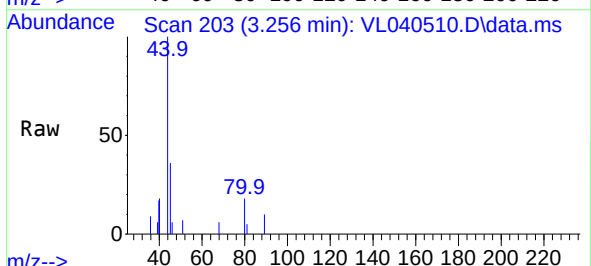
Instrument :
MSVOA_1
ClientSampleId :
VSTDICC0.1

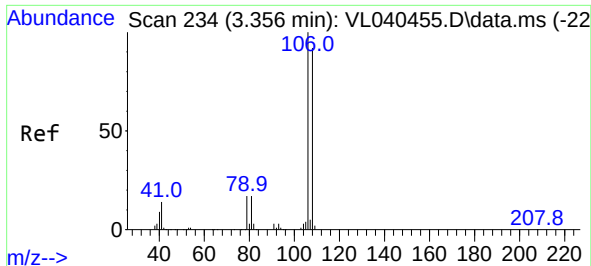
Tgt Ion:101 Resp: 6086
Ion Ratio Lower Upper
101 100
151 0.0 58.2 87.4#



#13
Ethanol
Concen: 0.032 ppbv
RT: 3.256 min Scan# 203
Delta R.T. 0.010 min
Lab File: VL040510.D
Acq: 10 Jul 2023 14:28

Tgt Ion: 45 Resp: 387
Ion Ratio Lower Upper
45 100
46 0.0 15.3 61.1#

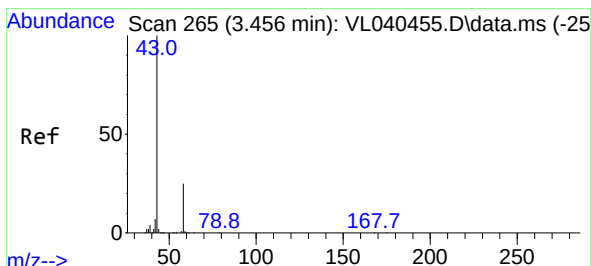
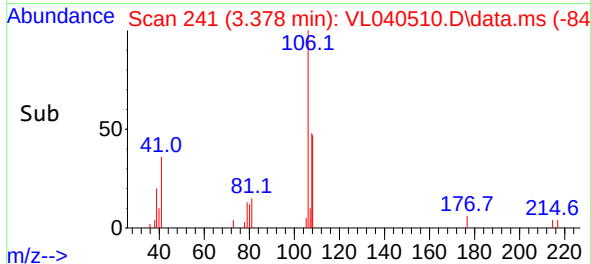
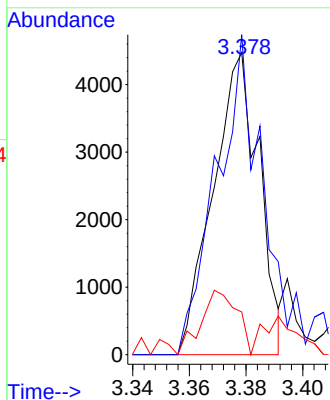
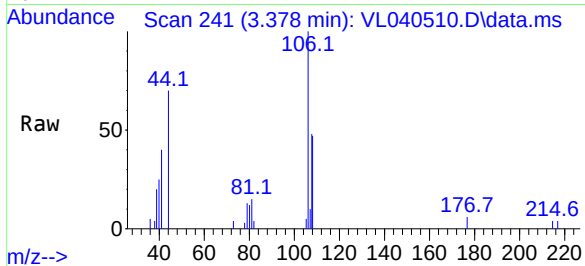




#14
Bromoethene
Concen: 0.100 ppbv
RT: 3.378 min Scan# 241
Delta R.T. 0.003 min
Lab File: VL040510.D
Acq: 10 Jul 2023 14:28

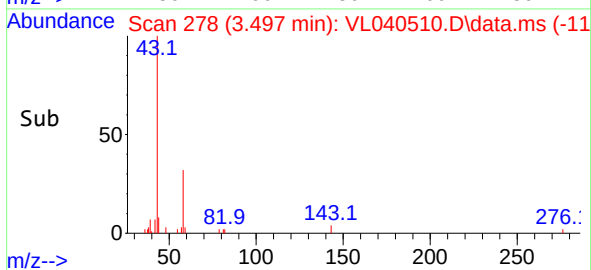
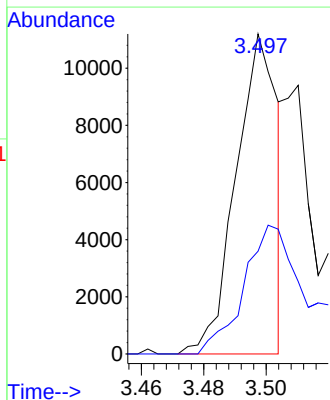
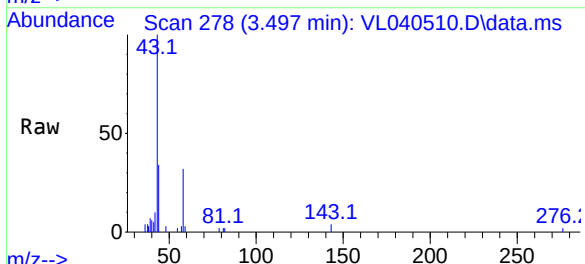
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

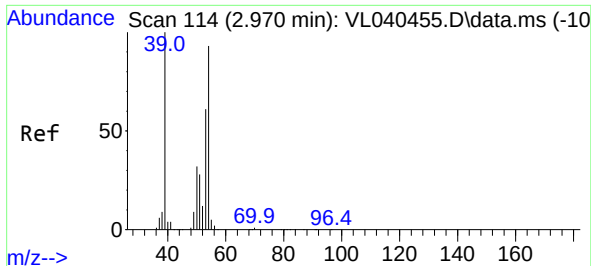
Tgt Ion:108 Resp: 5020
Ion Ratio Lower Upper
108 100
106 115.2 87.2 130.8
79 28.3 15.3 22.9#



#15
Acetone
Concen: 0.086 ppbv
RT: 3.497 min Scan# 278
Delta R.T. 0.023 min
Lab File: VL040510.D
Acq: 10 Jul 2023 14:28

Tgt Ion: 43 Resp: 10238
Ion Ratio Lower Upper
43 100
58 66.8 22.9 34.3#





#16

1,3-Butadiene

Concen: 0.070 ppbv

RT: 2.993 min Scan# 11

Delta R.T. 0.000 min

Lab File: VL040510.D

Acq: 10 Jul 2023 14:28

Instrument :

MSVOA_L

ClientSampleId :

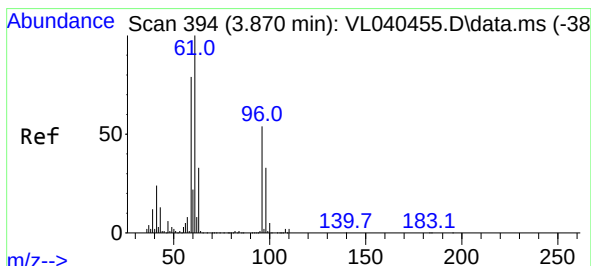
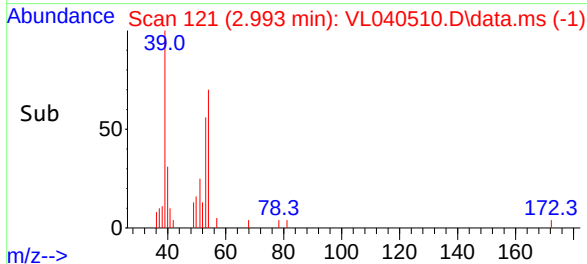
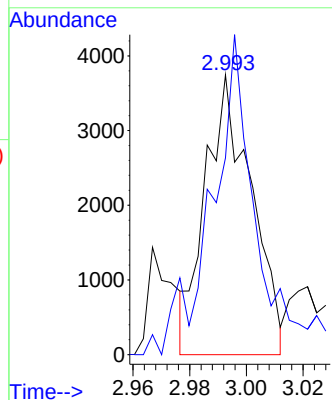
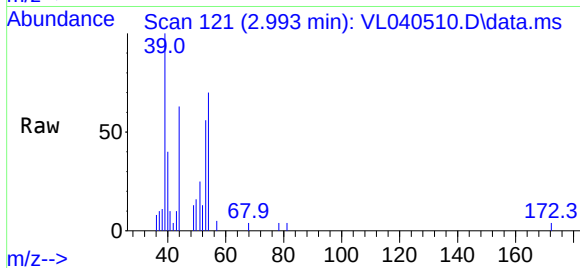
VSTDIC0.1

Tgt Ion: 39 Resp: 4215

Ion Ratio Lower Upper

39 100

54 113.1 66.6 100.0#



#18

1,1-Dichloroethene

Concen: 0.113 ppbv

RT: 3.883 min Scan# 398

Delta R.T. -0.006 min

Lab File: VL040510.D

Acq: 10 Jul 2023 14:28

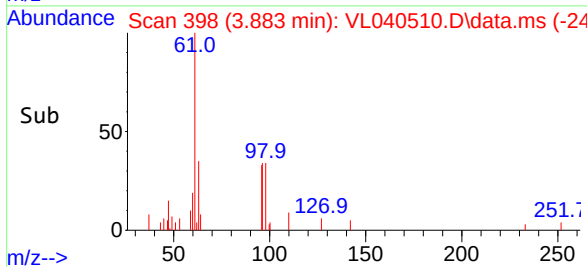
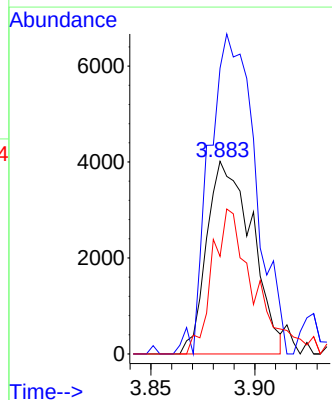
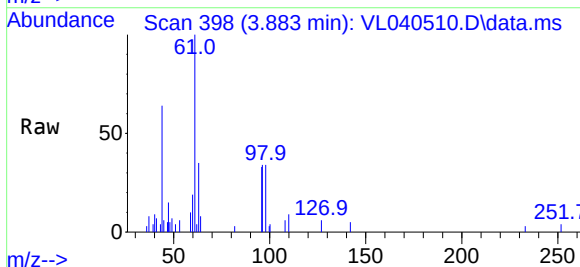
Tgt Ion: 96 Resp: 6066

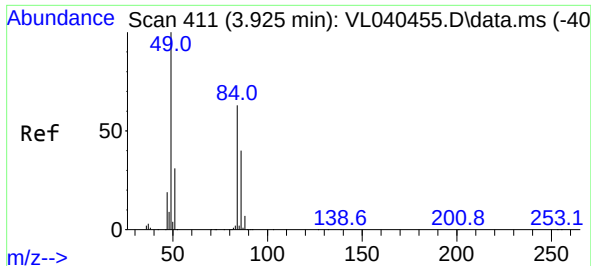
Ion Ratio Lower Upper

96 100

61 143.9 154.4 231.6#

98 50.7 50.0 75.0

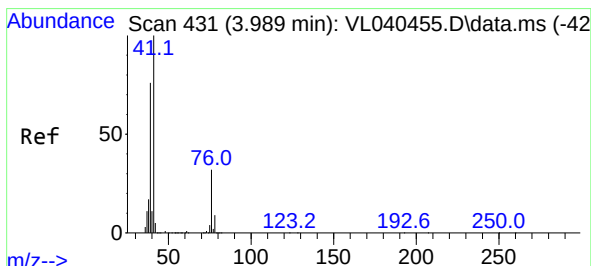
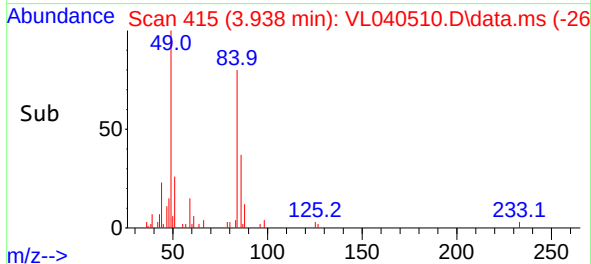
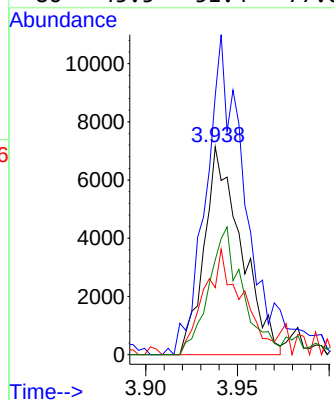
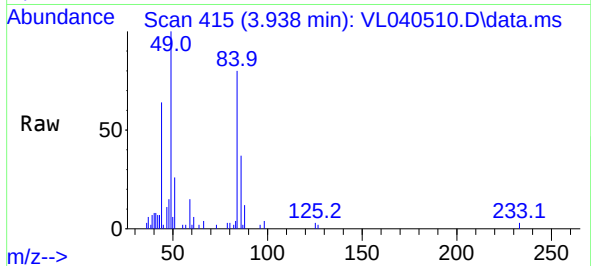




#20
Methylene Chloride
Concen: 0.198 ppbv
RT: 3.938 min Scan# 411
Delta R.T. -0.003 min
Lab File: VL040510.D
Acq: 10 Jul 2023 14:28

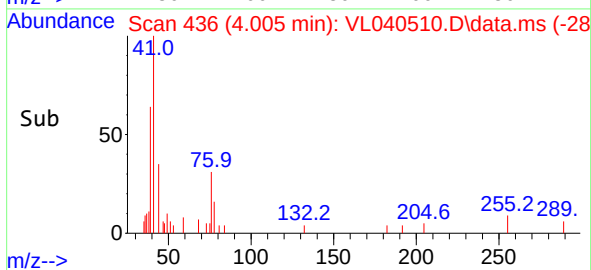
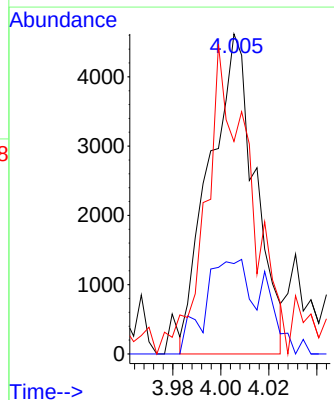
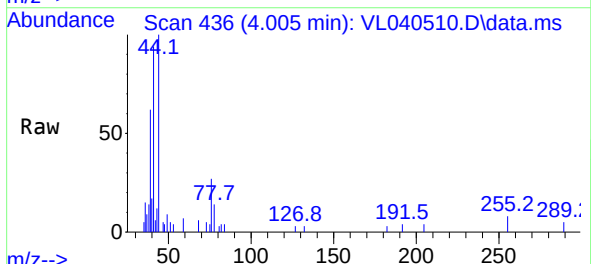
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

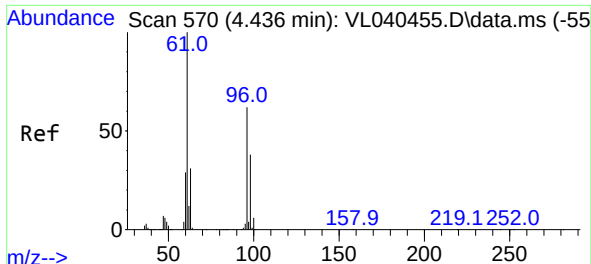
Tgt Ion:	84	Resp:	9992
Ion	Ratio	Lower	Upper
84	100		
49	107.1	123.4	185.2#
51	32.3	38.3	57.5#
86	45.5	51.4	77.0#



#21
Allyl Chloride
Concen: 0.091 ppbv
RT: 4.005 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL040510.D
Acq: 10 Jul 2023 14:28

Tgt Ion:	41	Resp:	6133
Ion	Ratio	Lower	Upper
41	100		
76	38.3	24.8	37.2#
39	111.4	60.6	91.0#

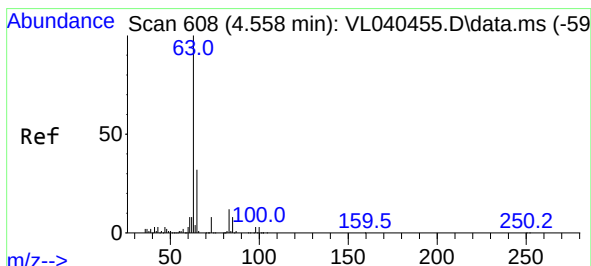
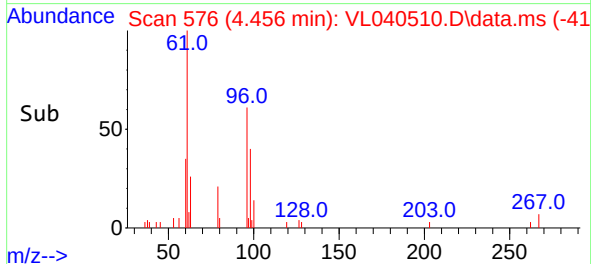
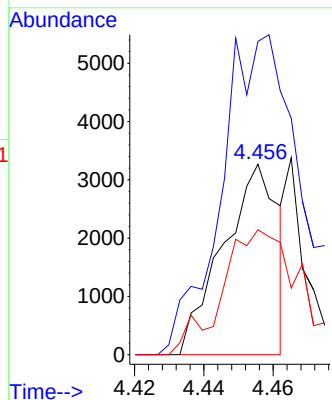
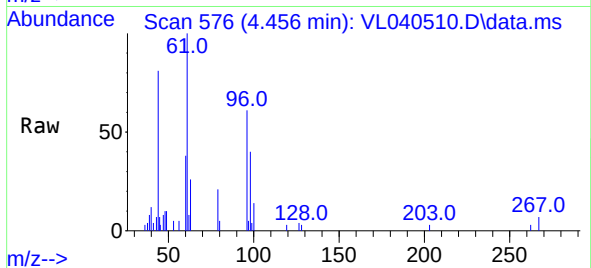




#22
trans-1,2-Dichloroethene
Concen: 0.068 ppbv
RT: 4.456 min Scan# 51
Delta R.T. 0.003 min
Lab File: VL040510.D
Acq: 10 Jul 2023 14:28

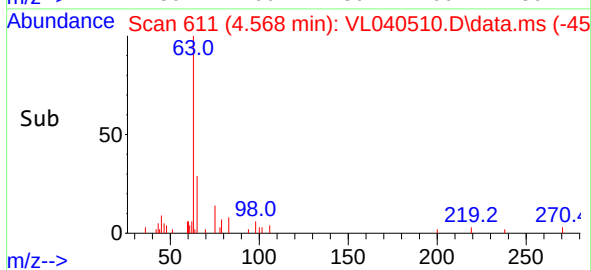
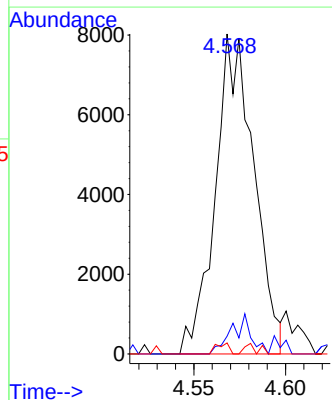
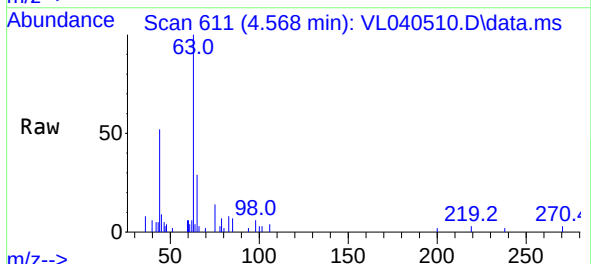
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

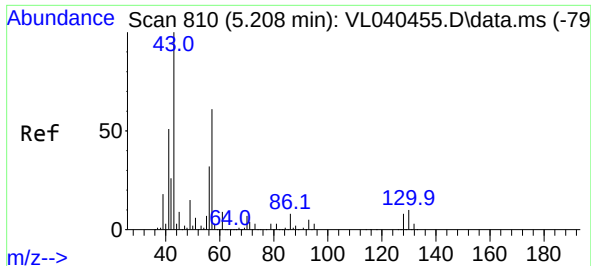
Tgt Ion: 96 Resp: 3594
Ion Ratio Lower Upper
96 100
61 135.8 137.7 206.5#
98 59.3 52.9 79.3



#24
1,1-Dichloroethane
Concen: 0.102 ppbv
RT: 4.568 min Scan# 611
Delta R.T. -0.003 min
Lab File: VL040510.D
Acq: 10 Jul 2023 14:28

Tgt Ion: 63 Resp: 11745
Ion Ratio Lower Upper
63 100
98 5.6 1.8 5.5#
100 3.5 1.4 4.0

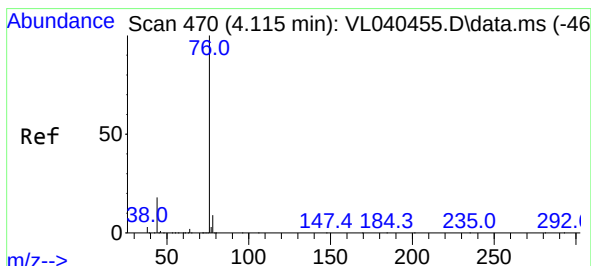
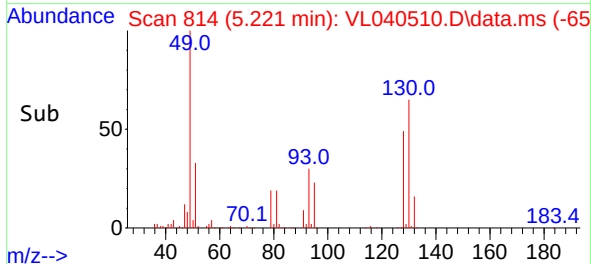
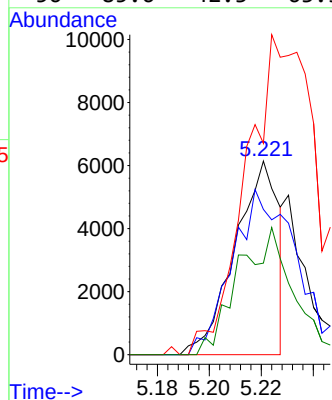
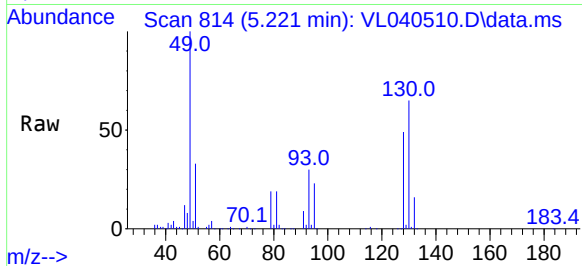




#26
Hexane
Concen: 0.068 ppbv
RT: 5.221 min Scan# 810
Delta R.T. 0.000 min
Lab File: VL040510.D
Acq: 10 Jul 2023 14:28

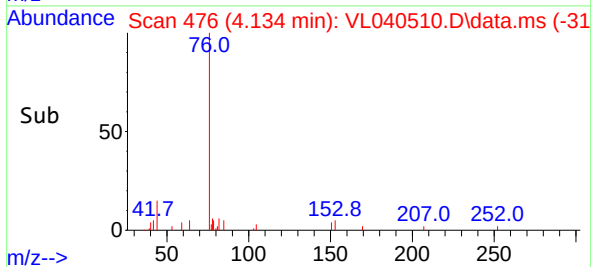
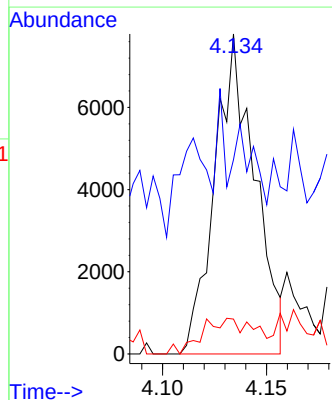
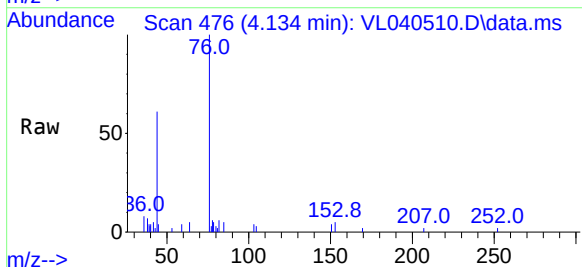
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

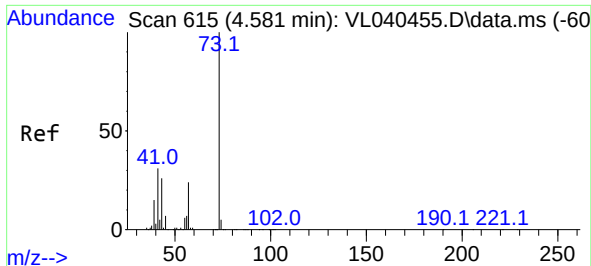
Tgt Ion: 57 Resp: 7147
Ion Ratio Lower Upper
57 100
41 134.2 69.5 104.3#
43 307.9 177.1 265.7#
56 85.6 42.3 63.5#



#27
Carbon Disulfide
Concen: 0.085 ppbv
RT: 4.134 min Scan# 476
Delta R.T. 0.003 min
Lab File: VL040510.D
Acq: 10 Jul 2023 14:28

Tgt Ion: 76 Resp: 10458
Ion Ratio Lower Upper
76 100
44 51.3 15.1 22.7#
78 0.0 7.5 11.3#





#28

Methyl tert-Butyl Ether

Concen: 0.090 ppbv

RT: 4.616 min Scan# 615

Delta R.T. 0.023 min

Lab File: VL040510.D

Acq: 10 Jul 2023 14:28

Instrument :

MSVOA_1

ClientSampleId :

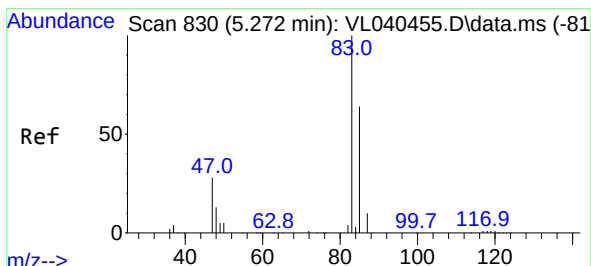
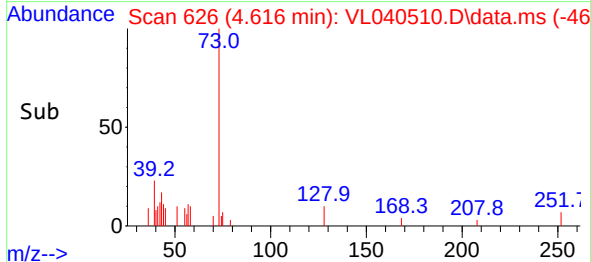
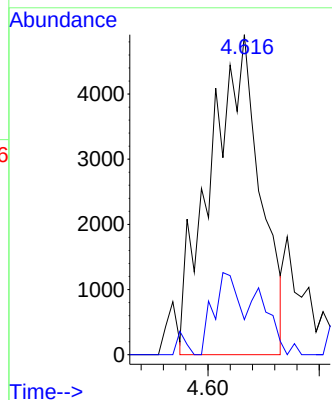
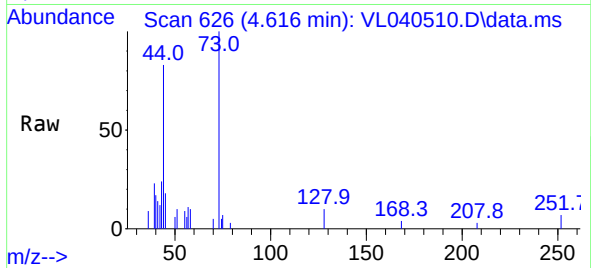
VSTDIC0.1

Tgt Ion: 73 Resp: 7615

Ion Ratio Lower Upper

73 100

57 23.4 18.8 28.2



#29

Chloroform

Concen: 0.098 ppbv

RT: 5.279 min Scan# 832

Delta R.T. -0.006 min

Lab File: VL040510.D

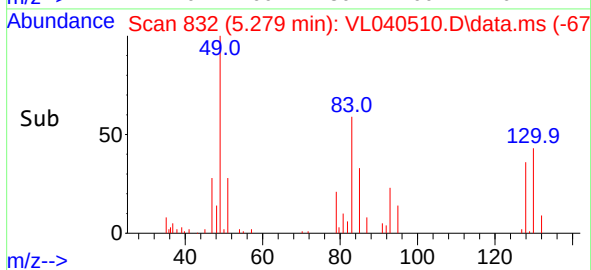
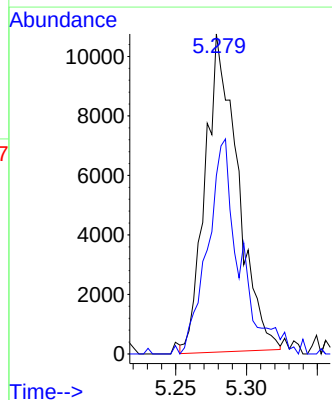
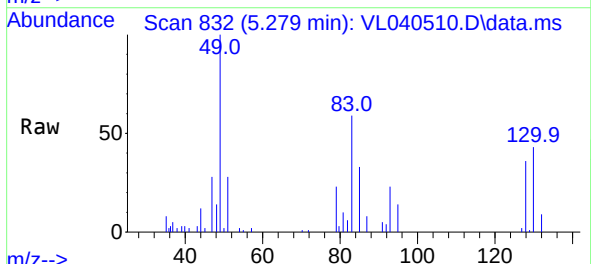
Acq: 10 Jul 2023 14:28

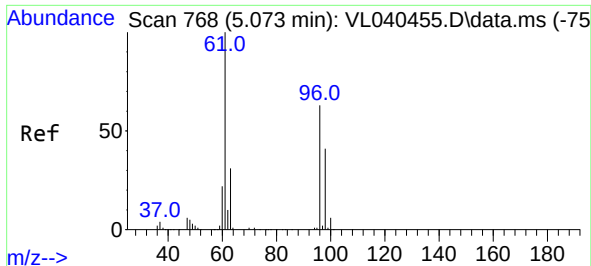
Tgt Ion: 83 Resp: 17119

Ion Ratio Lower Upper

83 100

85 57.1 51.1 76.7

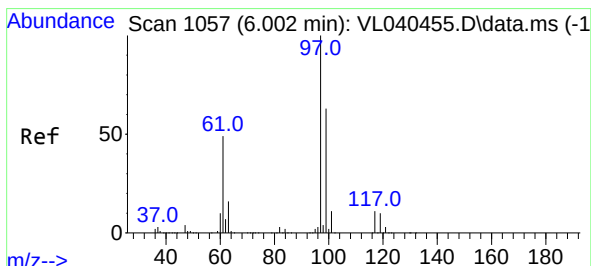
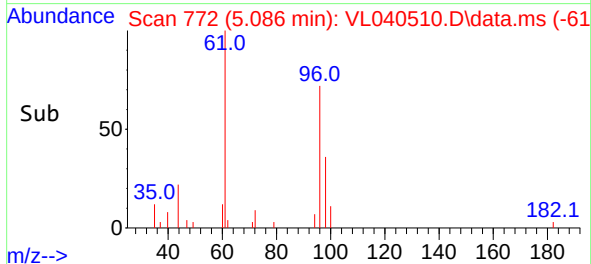
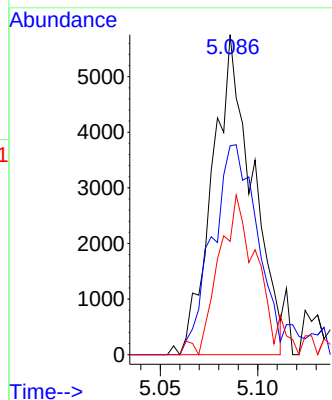
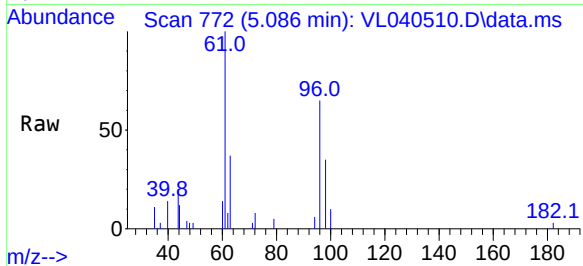




#31
 cis-1,2-Dichloroethene
 Concen: 0.079 ppbv
 RT: 5.086 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VL040510.D
 Acq: 10 Jul 2023 14:28

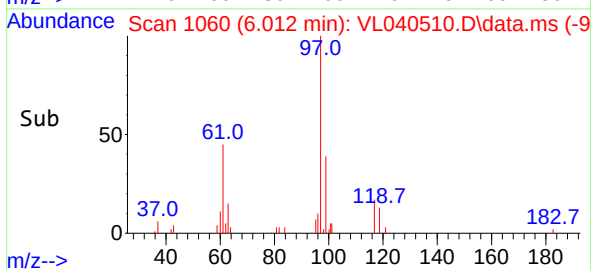
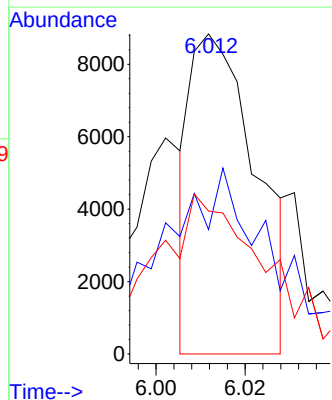
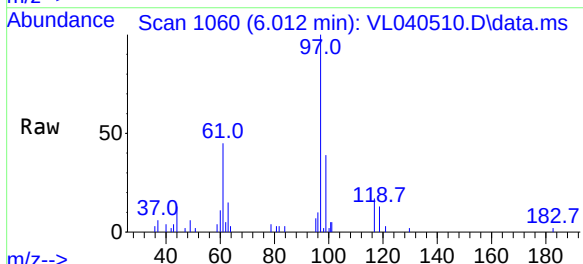
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.1

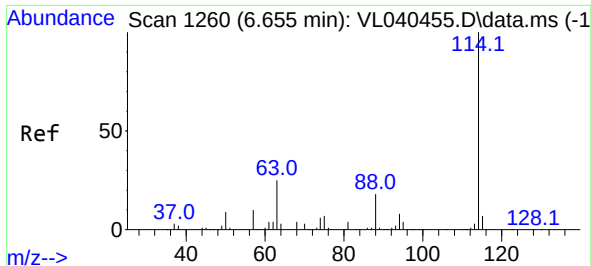
Tgt Ion: 61 Resp: 8198
 Ion Ratio Lower Upper
 61 100
 96 65.3 54.7 82.1
 98 35.4 34.6 52.0



#32
 1,1,1-Trichloroethane
 Concen: 0.053 ppbv
 RT: 6.012 min Scan# 1060
 Delta R.T. 0.000 min
 Lab File: VL040510.D
 Acq: 10 Jul 2023 14:28

Tgt Ion: 97 Resp: 9068
 Ion Ratio Lower Upper
 97 100
 99 101.4 52.0 78.0#
 61 89.4 38.9 58.3#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.664 min Scan# 11

Delta R.T. 0.000 min

Lab File: VL040510.D

Acq: 10 Jul 2023 14:28

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

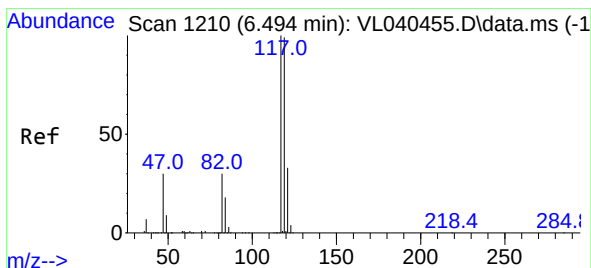
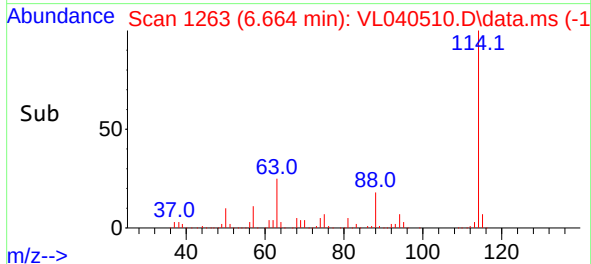
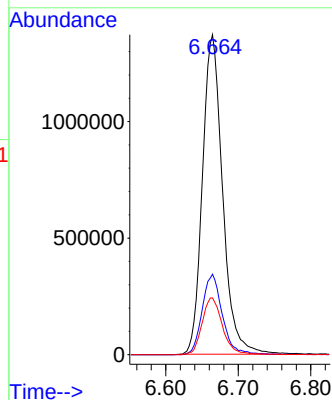
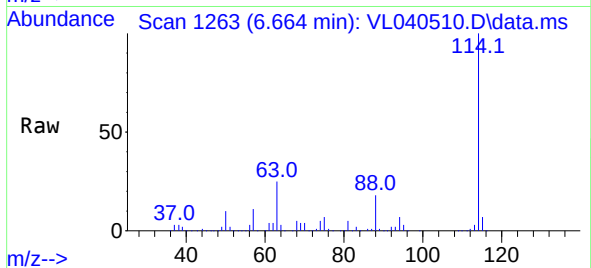
Tgt Ion:114 Resp: 2648016

Ion Ratio Lower Upper

114 100

63 25.3 19.6 29.4

88 18.0 14.2 21.2



#35

Carbon Tetrachloride

Concen: 0.068 ppbv

RT: 6.501 min Scan# 1212

Delta R.T. -0.003 min

Lab File: VL040510.D

Acq: 10 Jul 2023 14:28

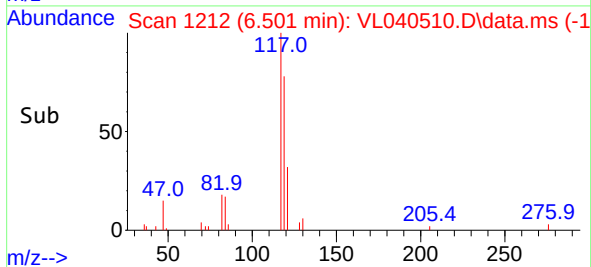
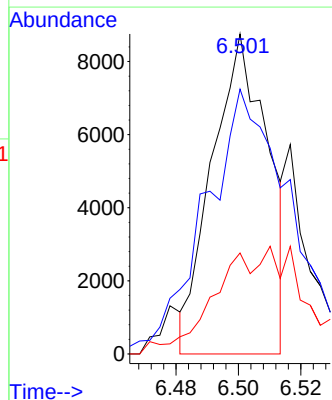
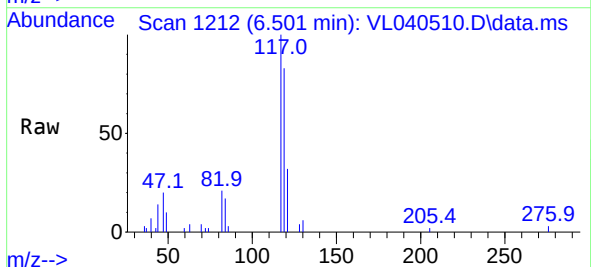
Tgt Ion:117 Resp: 10890

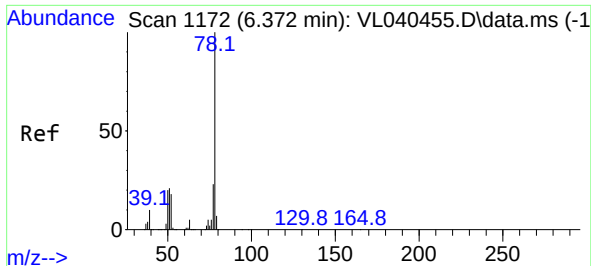
Ion Ratio Lower Upper

117 100

119 72.1 77.8 116.6#

121 30.2 24.8 37.2

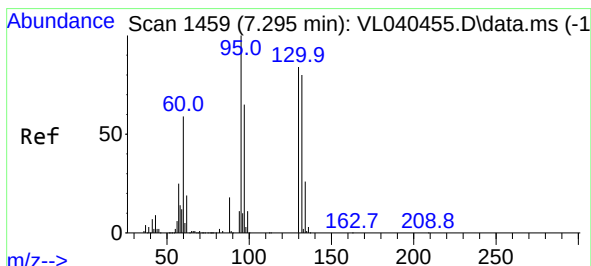
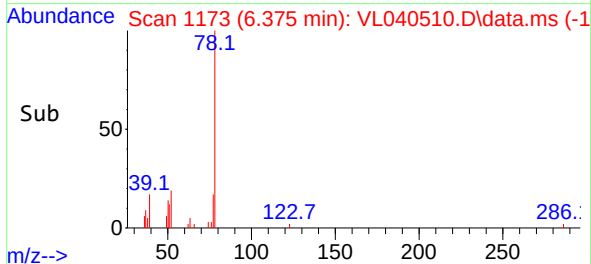
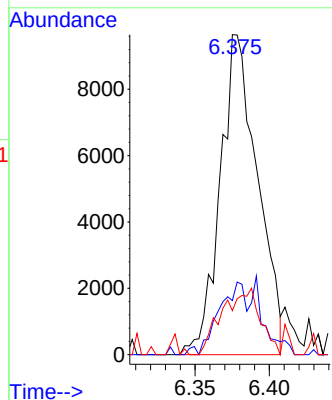
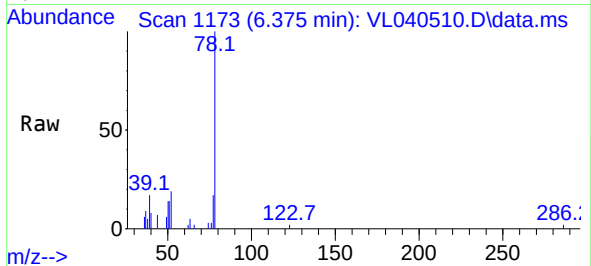




#36
Benzene
Concen: 0.079 ppbv
RT: 6.375 min Scan# 1173
Delta R.T. -0.006 min
Lab File: VL040510.D
Acq: 10 Jul 2023 14:28

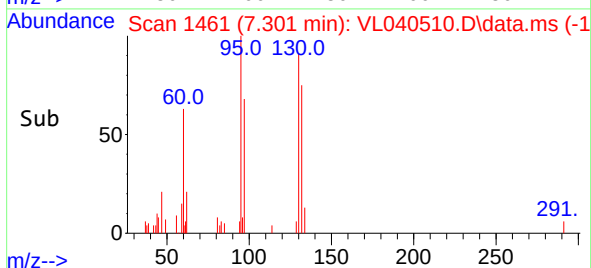
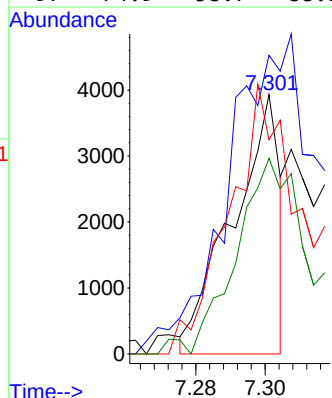
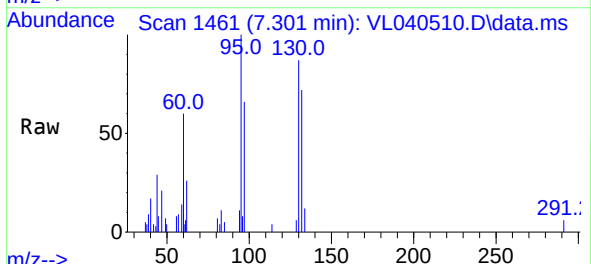
Instrument :
MSVOA_1
ClientSampleId :
VSTDICC0.1

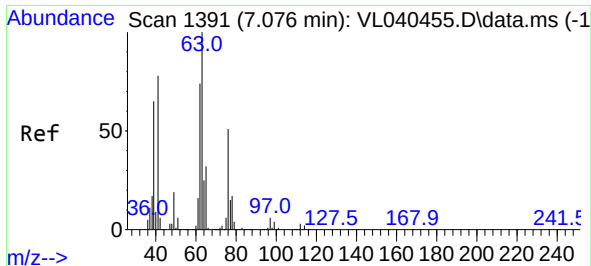
Tgt Ion: 78 Resp: 16914
Ion Ratio Lower Upper
78 100
77 16.9 17.4 26.0#
50 13.8 14.4 21.6#



#38
Trichloroethene
Concen: 0.046 ppbv
RT: 7.301 min Scan# 1461
Delta R.T. -0.003 min
Lab File: VL040510.D
Acq: 10 Jul 2023 14:28

Tgt Ion:130 Resp: 3698
Ion Ratio Lower Upper
130 100
95 108.3 90.2 135.2
132 74.2 76.3 114.5#
97 74.9 58.7 88.1





#39

1,2-Dichloropropane

Concen: 8.043 ppbv

RT: 6.664 min Scan# 11

Delta R.T. -0.418 min

Lab File: VL040510.D

Acq: 10 Jul 2023 14:28

Instrument :

MSVOA_1

ClientSampleId :

VSTDICC0.1

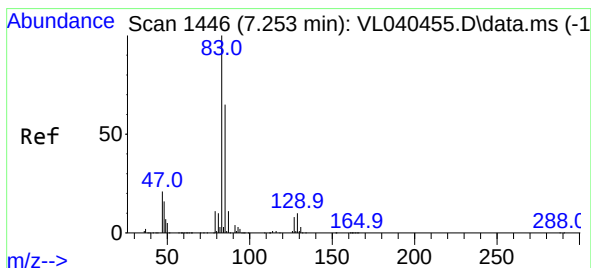
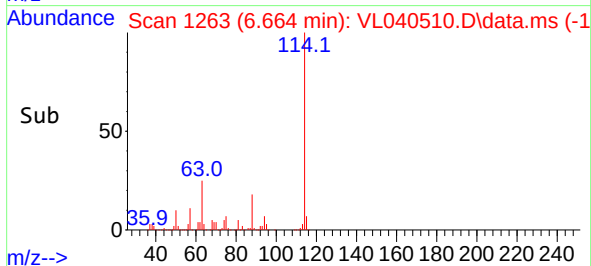
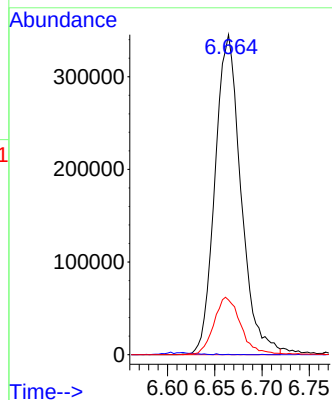
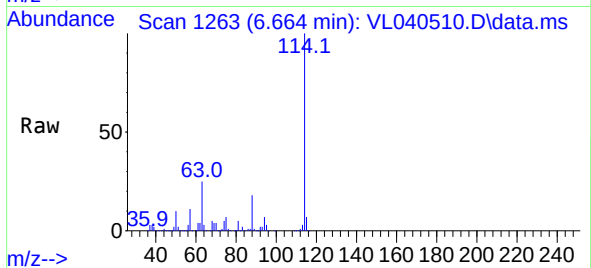
Tgt Ion: 63 Resp: 659726

Ion Ratio Lower Upper

63 100

41 0.1 54.3 81.5#

62 17.1 55.6 83.4#



#42

Bromodichloromethane

Concen: 0.050 ppbv

RT: 7.259 min Scan# 1448

Delta R.T. 0.000 min

Lab File: VL040510.D

Acq: 10 Jul 2023 14:28

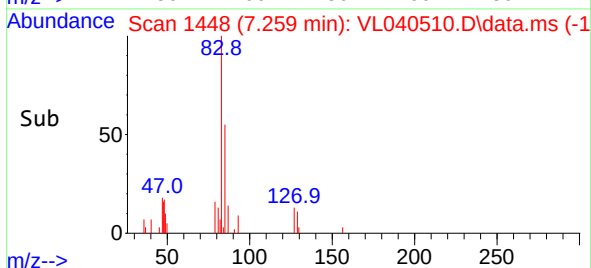
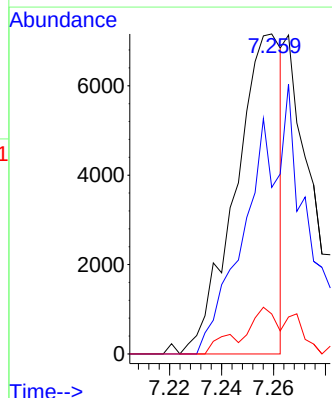
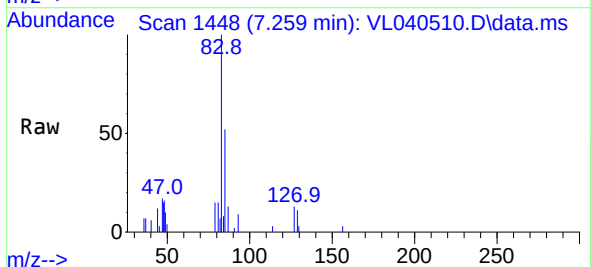
Tgt Ion: 83 Resp: 8784

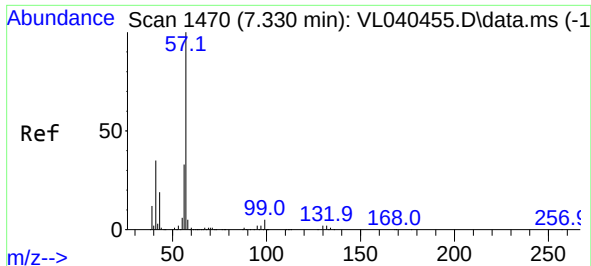
Ion Ratio Lower Upper

83 100

85 52.0 51.1 76.7

127 12.5 6.5 9.7#

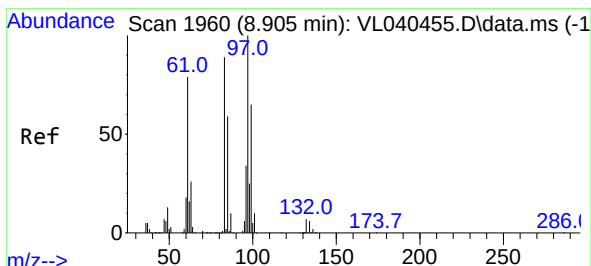
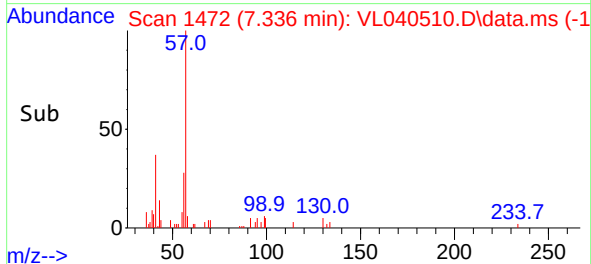
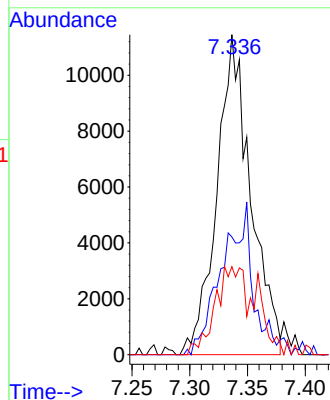
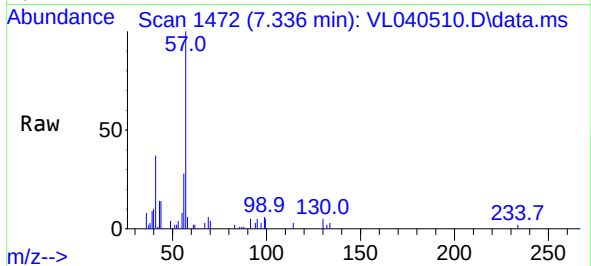




#44
2,2,4-Trimethylpentane
Concen: 0.068 ppbv
RT: 7.336 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VL040510.D
Acq: 10 Jul 2023 14:28

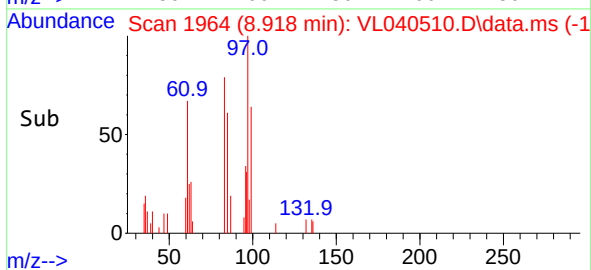
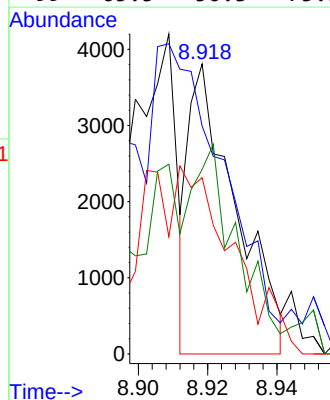
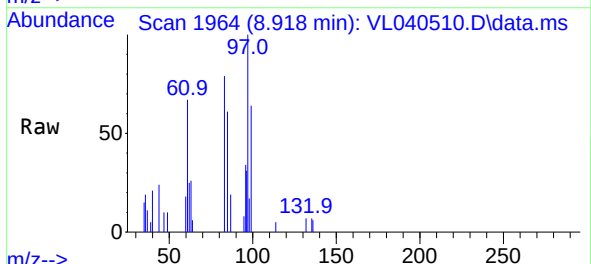
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

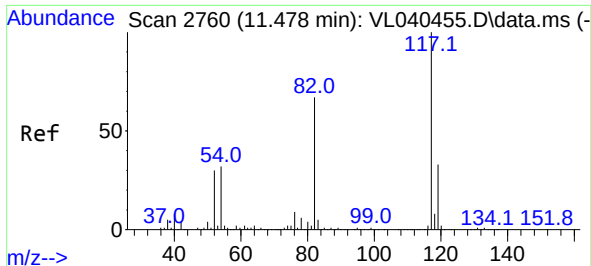
Tgt Ion: 57 Resp: 23420
Ion Ratio Lower Upper
57 100
41 45.4 25.5 38.3#
56 34.3 25.1 37.7



#47
1,1,2-Trichloroethane
Concen: 0.040 ppbv
RT: 8.918 min Scan# 1964
Delta R.T. 0.010 min
Lab File: VL040510.D
Acq: 10 Jul 2023 14:28

Tgt Ion: 97 Resp: 3594
Ion Ratio Lower Upper
97 100
83 78.5 73.4 110.0
85 53.8 46.6 70.0
99 65.5 50.3 75.5

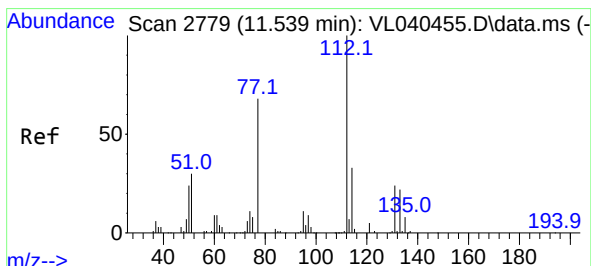
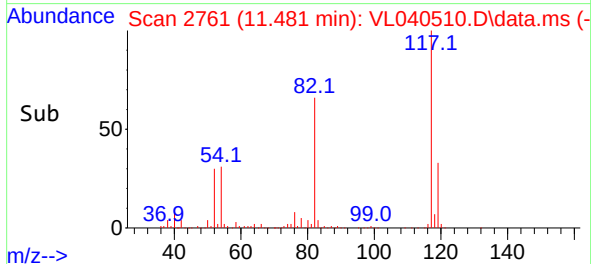
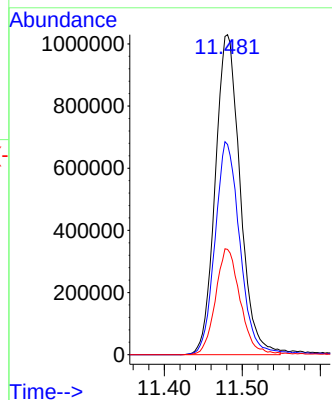
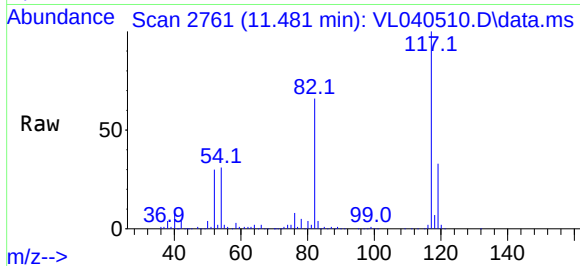




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.481 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL040510.D
Acq: 10 Jul 2023 14:28

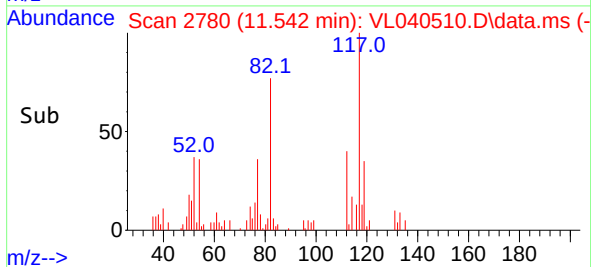
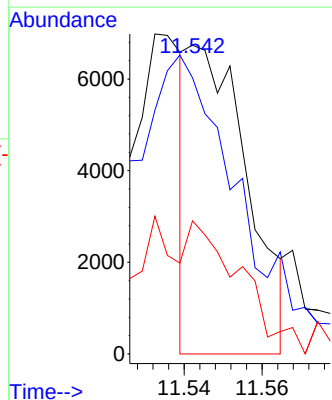
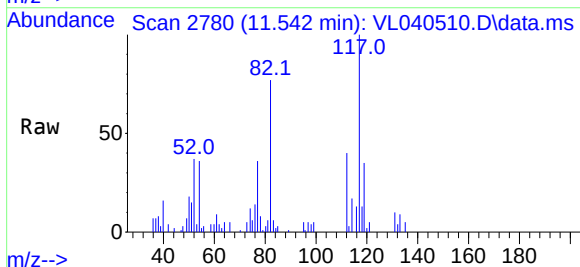
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

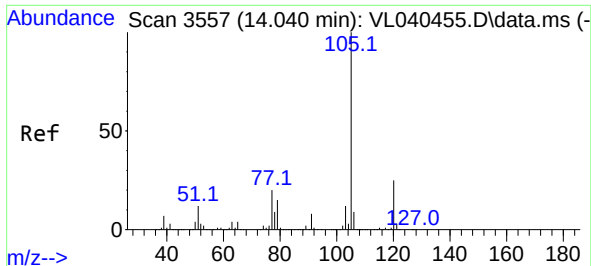
Tgt Ion:117 Resp: 2282918
Ion Ratio Lower Upper
117 100
82 67.3 50.2 75.4
119 33.2 26.9 40.3



#57
Chlorobenzene
Concen: 0.040 ppbv
RT: 11.542 min Scan# 2780
Delta R.T. 0.006 min
Lab File: VL040510.D
Acq: 10 Jul 2023 14:28

Tgt Ion:112 Resp: 7118
Ion Ratio Lower Upper
112 100
77 81.6 51.0 76.6#
114 51.9 28.3 34.5#

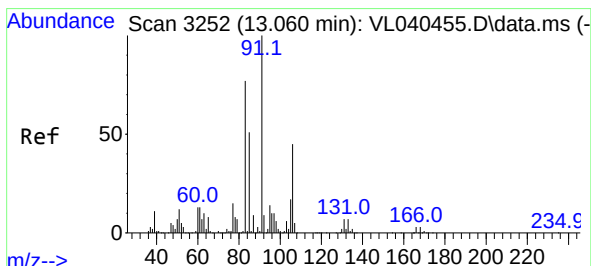
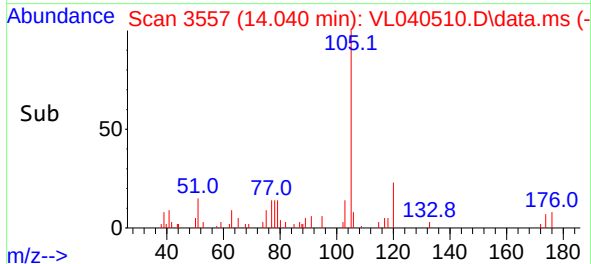
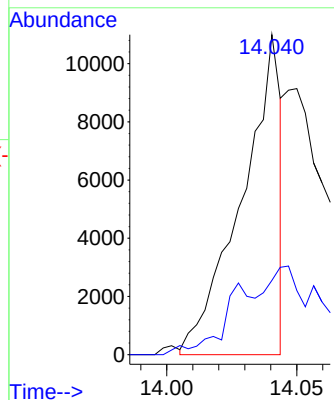
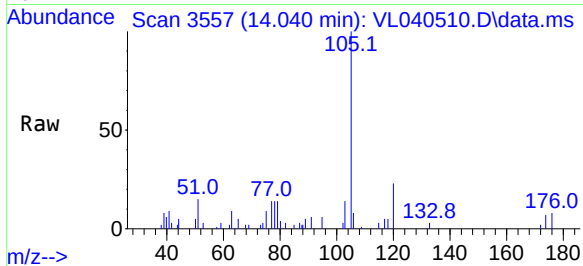




#62
Isopropylbenzene
Concen: 0.032 ppbv
RT: 14.040 min Scan# 311
Delta R.T. 0.000 min
Lab File: VL040510.D
Acq: 10 Jul 2023 14:28

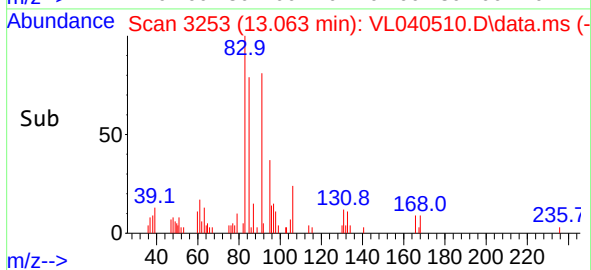
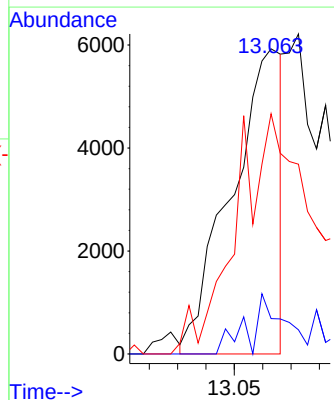
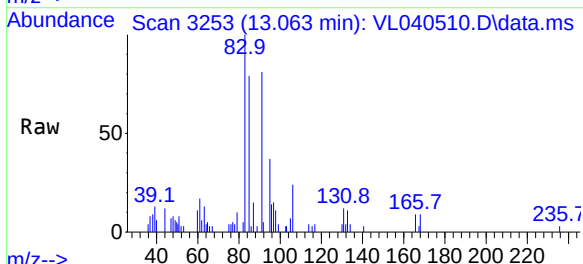
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

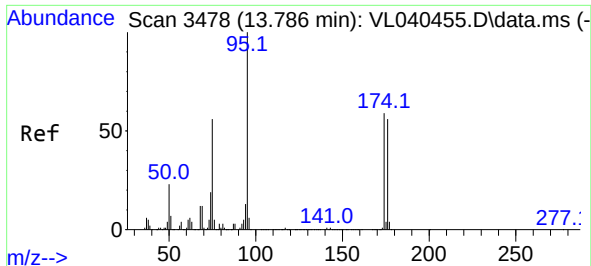
Tgt Ion:105 Resp: 11506
Ion Ratio Lower Upper
105 100
120 0.0 20.8 31.2#



#63
1,1,2,2-Tetrachloroethane
Concen: 0.043 ppbv
RT: 13.063 min Scan# 3253
Delta R.T. 0.003 min
Lab File: VL040510.D
Acq: 10 Jul 2023 14:28

Tgt Ion: 83 Resp: 7358
Ion Ratio Lower Upper
83 100
131 17.5 4.6 13.8#
85 136.7 32.8 98.3#

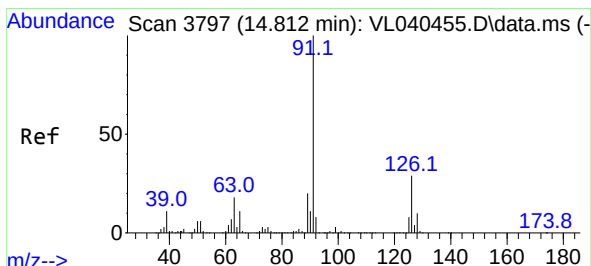
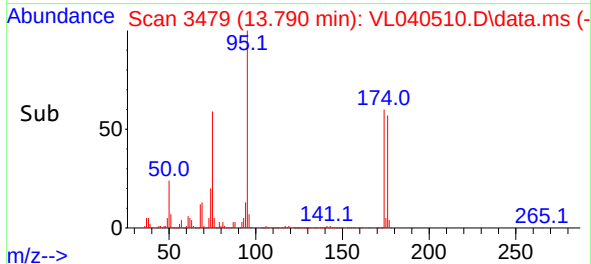
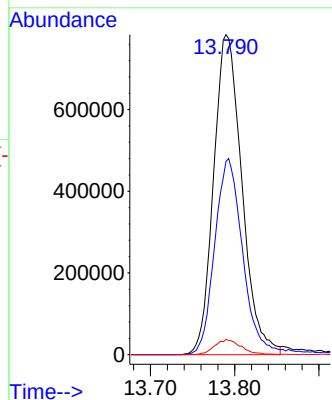
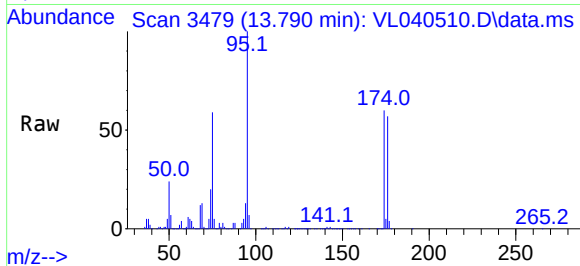




#68
1-Bromo-4-Fluorobenzene
Concen: 10.130 ppbv
RT: 13.790 min Scan# 3478
Delta R.T. 0.006 min
Lab File: VL040510.D
Acq: 10 Jul 2023 14:28

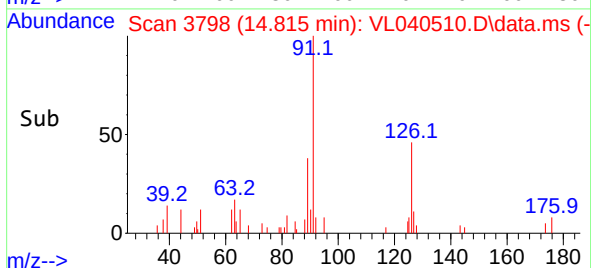
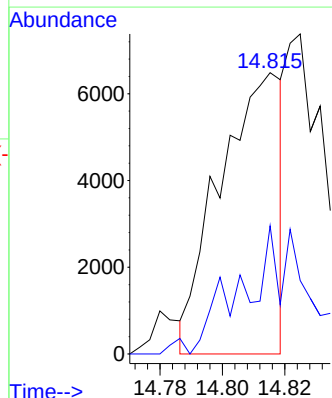
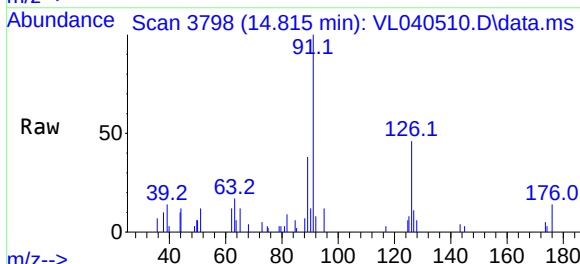
Instrument :
MSVOA_1
ClientSampleId :
VSTDICC0.1

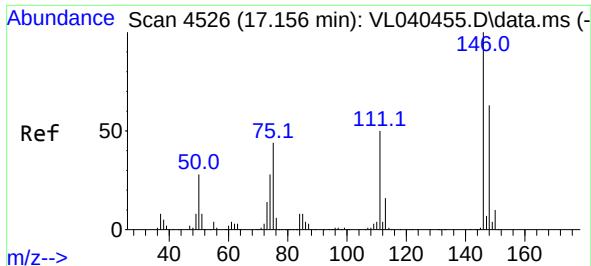
Tgt Ion: 95 Resp: 1830201
Ion Ratio Lower Upper
95 100
174 62.5 50.6 75.8
175 4.5 3.7 5.5



#71
2-Chlorotoluene
Concen: 0.032 ppbv
RT: 14.815 min Scan# 3798
Delta R.T. 0.003 min
Lab File: VL040510.D
Acq: 10 Jul 2023 14:28

Tgt Ion: 91 Resp: 8925
Ion Ratio Lower Upper
91 100
126 49.8 12.4 49.8#





#77

1,2-Dichlorobenzene

Concen: 0.034 ppbv

RT: 17.156 min Scan# 4

Delta R.T. 0.003 min

Lab File: VL040510.D

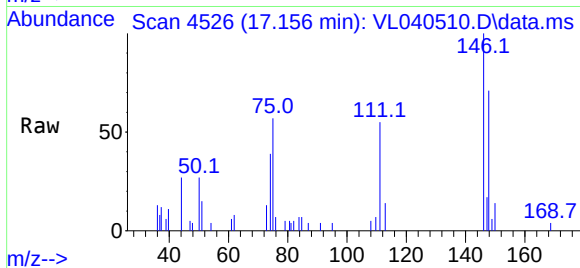
Acq: 10 Jul 2023 14:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1



Tgt Ion:146 Resp: 5786

Ion Ratio Lower Upper

146 100

111 0.0 24.3 72.8#

148 152.1 32.1 96.3#

