

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091423\
 Data File : VL040685.D
 Acq On : 14 Sep 2023 15:06
 Operator : SY/MD
 Sample : VSTDIC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Quant Time: Sep 15 05:50:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091423AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Sep 14 19:50:34 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.182	49	1236048	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.645	114	3288817	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.462	117	2811422	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.773	95	2154406	9.918	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.722	85	286337	1.051	ppbv	90
3) Chlorodifluoromethane	2.668	51	216461	1.075	ppbv	98
4) Chloromethane	2.806	50	85415	1.108	ppbv	96
5) Vinyl Chloride	2.912	62	87387	0.959	ppbv	89
6) Bromomethane	3.112	94	45309	1.031	ppbv	93
7) Chloroethane	3.189	64	30940	0.989	ppbv	93
8) Dichlorotetrafluoroethane	2.848	85	245058	1.090	ppbv	100
9) Propene	2.684	41	64017	1.104	ppbv	98
10) Heptane	7.571	43	85330	0.653	ppbv #	54
11) Trichlorofluoromethane	3.555	101	251977	1.052	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.060	101	183574	1.072	ppbv	100
13) Ethanol	3.243	45	18382	1.071	ppbv	72
14) Bromoethene	3.359	108	74552	1.038	ppbv	97
15) Acetone	3.465	43	178248	1.093	ppbv	99
16) 1,3-Butadiene	2.976	39	76161	1.072	ppbv	95
17) tert-Butyl alcohol	3.877	59	178830	1.071	ppbv	98
18) 1,1-Dichloroethene	3.874	96	78309	1.029	ppbv	87
19) Isopropyl Alcohol	3.575	45	108986	1.109	ppbv #	93
20) Methylene Chloride	3.925	84	96823	1.103	ppbv	97
21) Allyl Chloride	3.989	41	101310	1.014	ppbv	89
22) trans-1,2-Dichloroethene	4.436	96	72690	0.966	ppbv	98
23) Vinyl Acetate	4.620	43	90083	0.534	ppbv #	95
24) 1,1-Dichloroethane	4.558	63	166425	1.055	ppbv	98
25) Ethyl Acetate	5.205	43	279692	1.064	ppbv	99
26) Hexane	5.201	57	134612	1.083	ppbv	96
27) Carbon Disulfide	4.118	76	160440	0.925	ppbv #	87
28) Methyl tert-Butyl Ether	4.584	73	111900	1.046	ppbv	94
29) Chloroform	5.266	83	225005	1.048	ppbv	94
30) Cyclohexane	6.594	84	50773	0.542	ppbv #	28
31) cis-1,2-Dichloroethene	5.073	61	119056	1.032	ppbv	91
32) 1,1,1-Trichloroethane	5.992	97	222898	1.016	ppbv	97
34) 2-Butanone	4.780	43	67595	0.409	ppbv #	52
35) Carbon Tetrachloride	6.488	117	229233	1.015	ppbv	94
36) Benzene	6.362	78	245324	1.007	ppbv	95
37) 1,2-Dichloroethane	5.796	62	160323	0.962	ppbv #	96
38) Trichloroethene	7.285	130	97874	1.054	ppbv	96
39) 1,2-Dichloropropane	7.066	63	95104	1.015	ppbv	94
41) Tetrahydrofuran	5.562	42	82988	0.978	ppbv	97
42) Bromodichloromethane	7.243	83	228240	1.004	ppbv	98
43) Methyl Methacrylate	7.471	69	53151	0.587	ppbv #	29
44) 2,2,4-Trimethylpentane	7.320	57	392304	1.012	ppbv	97
45) t-1,3-Dichloropropene	8.706	75	59096	0.842	ppbv	89
46) cis-1,3-Dichloropropene	8.137	75	75145	0.875	ppbv	93

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 ALS Vial : 1 Sample Multiplier: 1

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 ClientSampleId :
 VSTDICC001

Quant Time: Sep 15 05:50:13 2023
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Sep 14 19:50:34 2023
 Response via : Initial Calibration

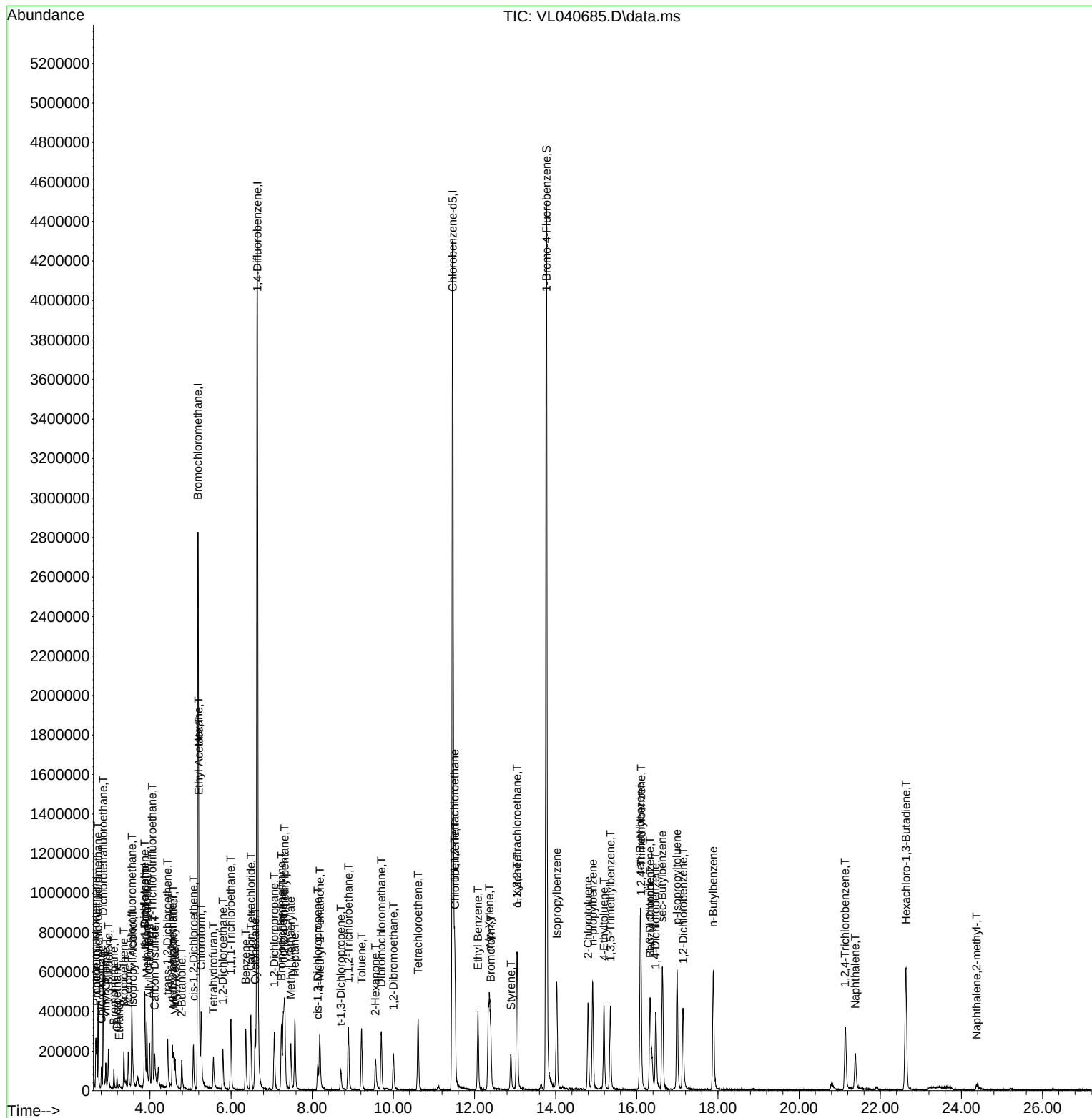
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) 1,1,2-Trichloroethane	8.893	97	105969	0.985	ppbv	95
48) Dibromochloromethane	9.706	129	166029	0.936	ppbv	96
49) Bromoform	12.401	173	125224	0.859	ppbv	95
50) 4-Methyl-2-Pentanone	8.188	43	214764	0.961	ppbv	97
51) 2-Hexanone	9.558	43	75382	0.489	ppbv #	45
52) Tetrachloroethene	10.610	164	54109	0.681	ppbv	92
53) Toluene	9.217	91	247413	0.962	ppbv	97
54) 1,2-Dibromoethane	10.005	107	139490	1.016	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.507	131	61034	0.455	ppbv #	10
57) Chlorobenzene	11.520	112	225587	1.060	ppbv	96
58) Ethyl Benzene	12.082	91	322318	1.006	ppbv	98
59) m/p-Xylene	12.368	91	369843	1.229	ppbv #	57
60) o-Xylene	13.053	91	290384	1.012	ppbv	98
61) Styrene	12.899	104	48509	0.403	ppbv #	14
62) Isopropylbenzene	14.027	105	453295	1.046	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.047	83	235025	1.045	ppbv	95
64) n-propylbenzene	14.918	120	62680	0.578	ppbv #	1
65) tert-Butylbenzene	16.085	119	406273	1.044	ppbv	97
66) Benzyl Chloride	16.333	91	9047	0.199	ppbv #	1
67) sec-Butylbenzene	16.629	105	592434	1.064	ppbv	98
69) p-Isopropyltoluene	16.989	119	259011	0.592	ppbv #	55
70) n-Butylbenzene	17.886	91	505656	1.050	ppbv	97
71) 2-Chlorotoluene	14.799	91	322054	1.004	ppbv	100
72) 4-Ethyltoluene	15.188	105	321074	0.997	ppbv #	97
73) 1,3,5-Trimethylbenzene	15.349	105	295367	1.019	ppbv	99
74) 1,2,4-Trimethylbenzene	16.105	105	377775	1.069	ppbv #	88
75) 1,3-Dichlorobenzene	16.326	146	213176	1.059	ppbv	99
76) 1,4-Dichlorobenzene	16.465	146	101124	0.511	ppbv #	19
77) 1,2-Dichlorobenzene	17.140	146	117637	0.587	ppbv #	26
78) Hexachloro-1,3-Butadiene	22.635	225	70490	0.465	ppbv #	1
79) Naphthalene	21.384	128	112506	0.512	ppbv	96
80) Naphthalene,2-methyl-	24.378	142	20051	0.372	ppbv	92
81) 1,2,4-Trichlorobenzene	21.133	180	57627	0.401	ppbv #	8

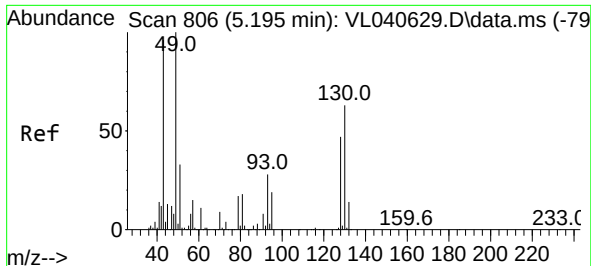
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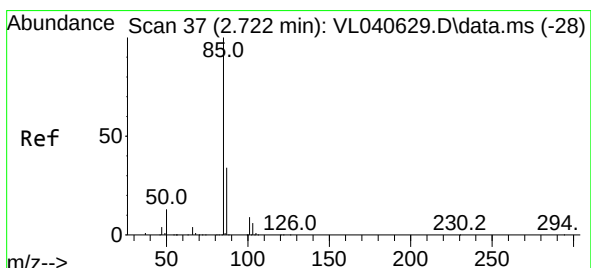
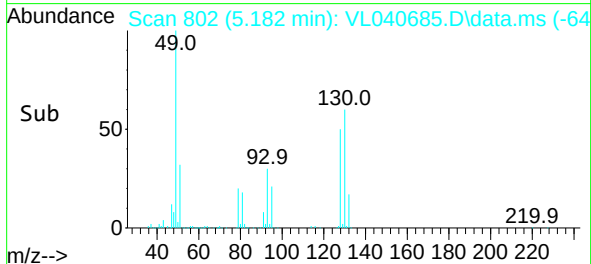
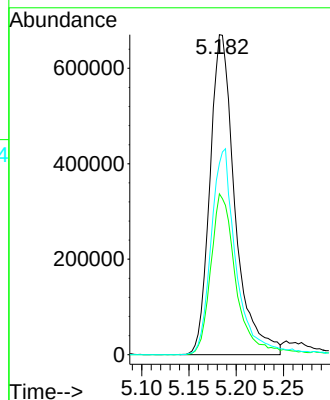
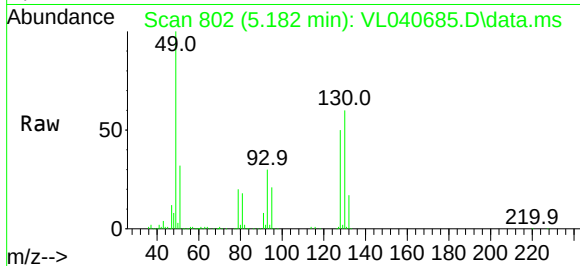




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.182 min Scan# 806
Delta R.T. -0.003 min
Lab File: VL040685.D
Acq: 14 Sep 2023 15:06

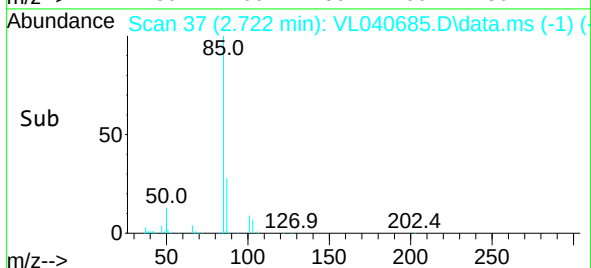
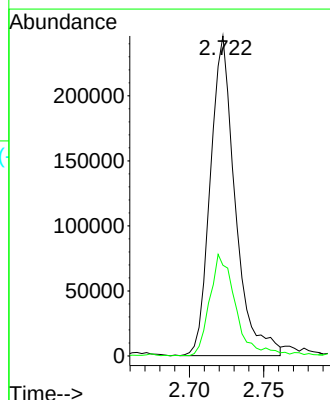
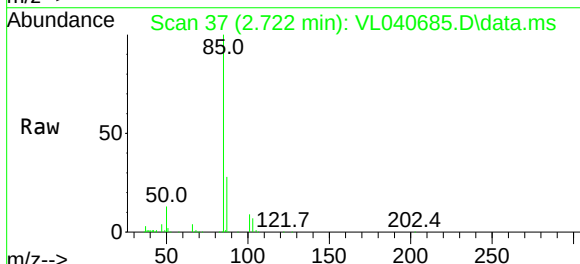
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

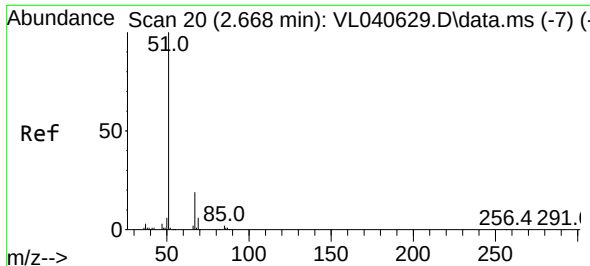
Tgt Ion: 49 Resp: 1236048
Ion Ratio Lower Upper
49 100
128 52.0 25.4 76.0
130 65.5 32.3 96.8



#2
Dichlorodifluoromethane
Concen: 1.051 ppbv
RT: 2.722 min Scan# 37
Delta R.T. 0.003 min
Lab File: VL040685.D
Acq: 14 Sep 2023 15:06

Tgt Ion: 85 Resp: 286337
Ion Ratio Lower Upper
85 100
87 28.3 27.2 40.8

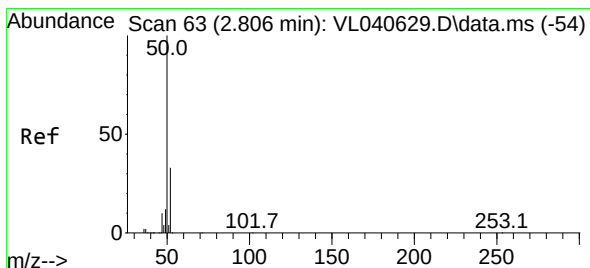
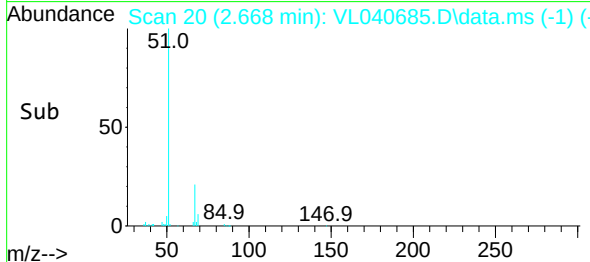
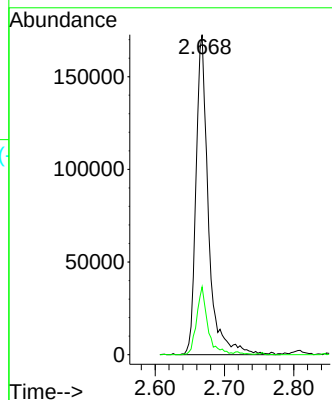
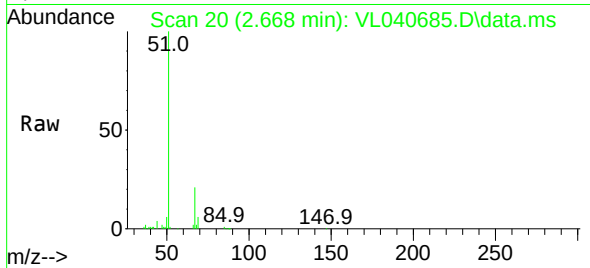




#3
Chlorodifluoromethane
Concen: 1.075 ppbv
RT: 2.668 min Scan# 20
Delta R.T. 0.003 min
Lab File: VL040685.D
Acq: 14 Sep 2023 15:06

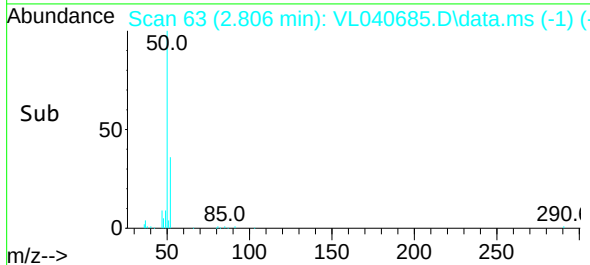
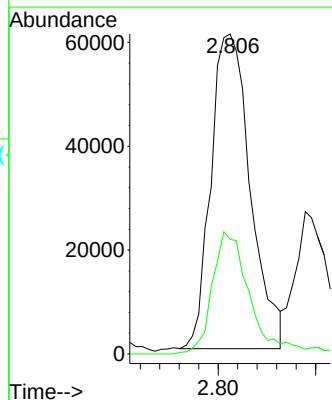
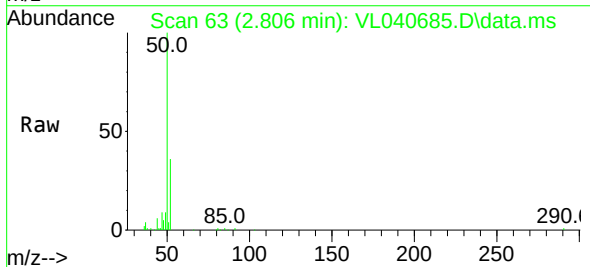
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

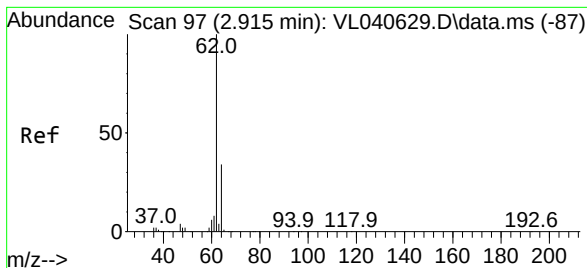
Tgt Ion: 51 Resp: 216461
Ion Ratio Lower Upper
51 100
67 20.0 16.7 25.1



#4
Chloromethane
Concen: 1.108 ppbv
RT: 2.806 min Scan# 63
Delta R.T. 0.003 min
Lab File: VL040685.D
Acq: 14 Sep 2023 15:06

Tgt Ion: 50 Resp: 85415
Ion Ratio Lower Upper
50 100
52 35.9 27.1 40.7

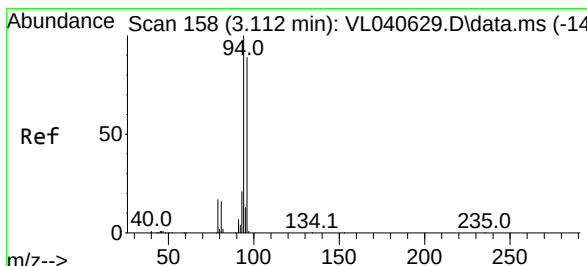
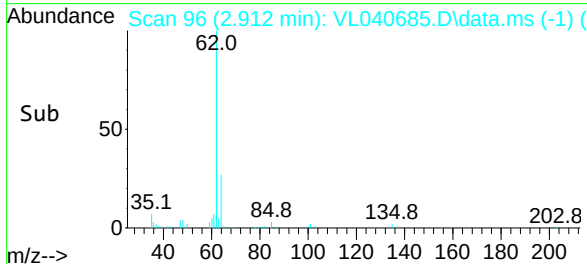
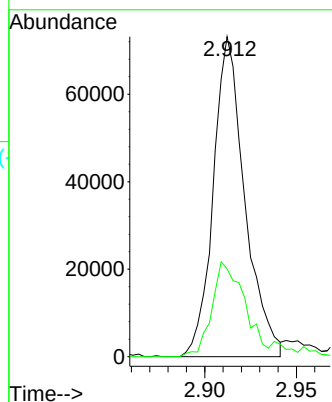
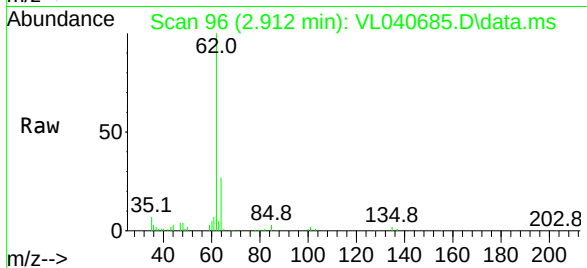




#5
 Vinyl Chloride
 Concen: 0.959 ppbv
 RT: 2.912 min Scan# 97
 Delta R.T. 0.003 min
 Lab File: VL040685.D
 Acq: 14 Sep 2023 15:06

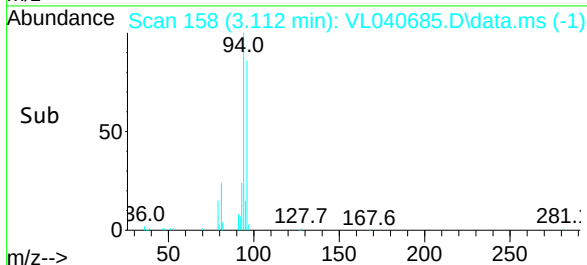
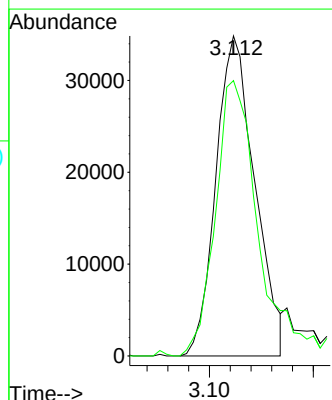
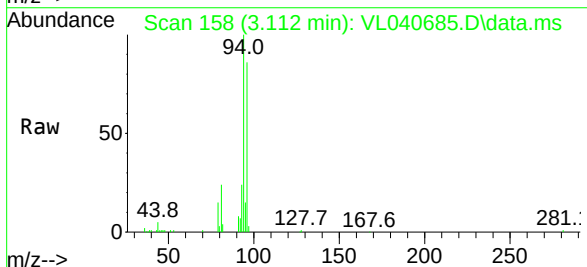
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC001

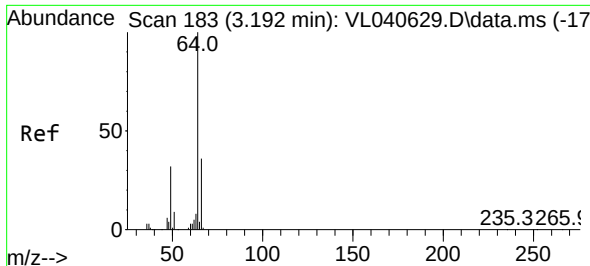
Tgt Ion: 62 Resp: 87387
 Ion Ratio Lower Upper
 62 100
 64 27.4 27.2 40.8



#6
 Bromomethane
 Concen: 1.031 ppbv
 RT: 3.112 min Scan# 158
 Delta R.T. 0.003 min
 Lab File: VL040685.D
 Acq: 14 Sep 2023 15:06

Tgt Ion: 94 Resp: 45309
 Ion Ratio Lower Upper
 94 100
 96 86.0 74.4 111.6

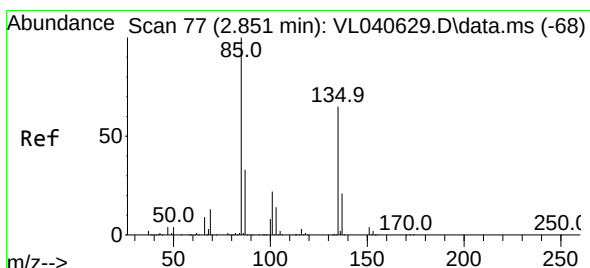
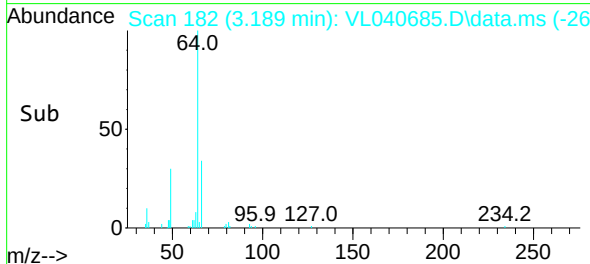
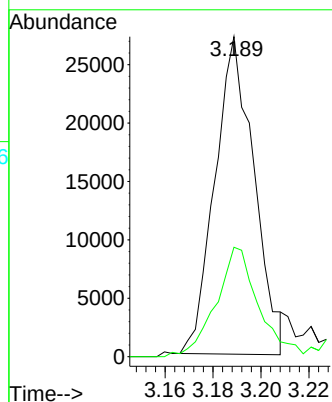
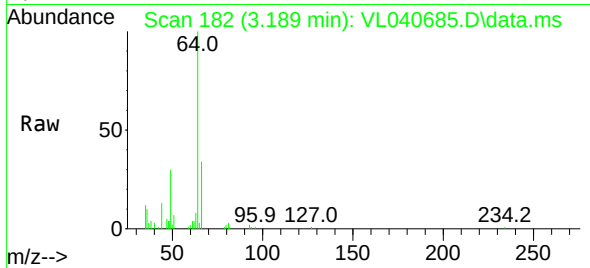




#7
Chloroethane
Concen: 0.989 ppbv
RT: 3.189 min Scan# 11
Delta R.T. 0.000 min
Lab File: VL040685.D
Acq: 14 Sep 2023 15:06

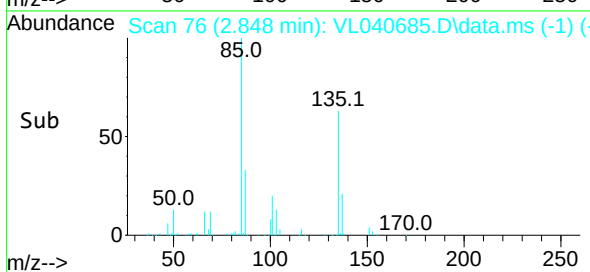
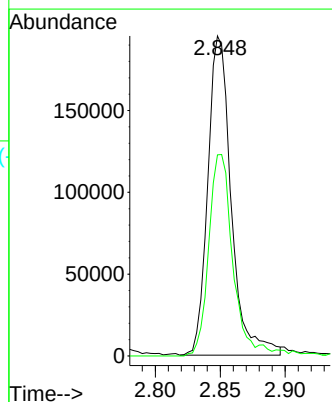
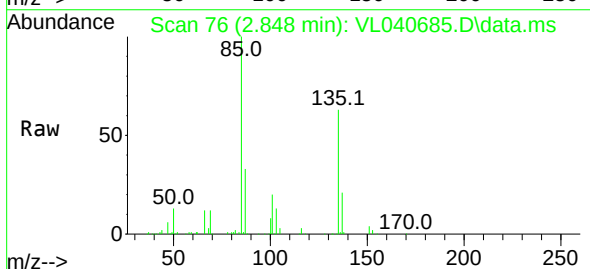
Instrument :
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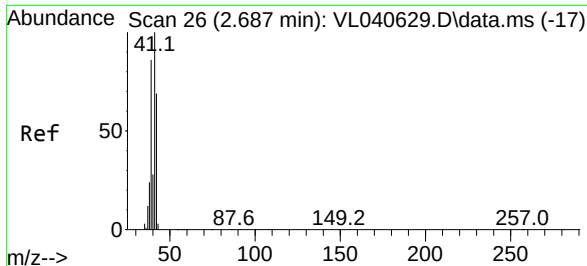
Tgt Ion: 64 Resp: 30940
Ion Ratio Lower Upper
64 100
66 34.2 24.5 36.7



#8
Dichlorotetrafluoroethane
Concen: 1.090 ppbv
RT: 2.848 min Scan# 76
Delta R.T. 0.000 min
Lab File: VL040685.D
Acq: 14 Sep 2023 15:06

Tgt Ion: 85 Resp: 245058
Ion Ratio Lower Upper
85 100
135 67.0 53.4 80.2





#9

Propene

Concen: 1.104 ppbv

RT: 2.684 min Scan# 21

Delta R.T. 0.000 min

Lab File: VL040685.D

Acq: 14 Sep 2023 15:06

Instrument :

MSVOA_L

ClientSampleId :

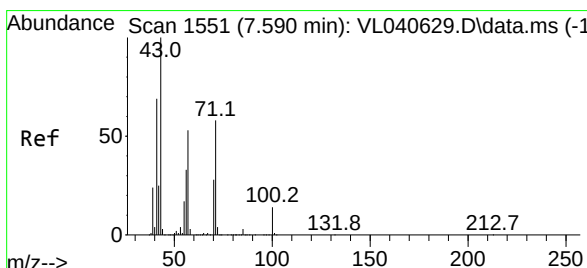
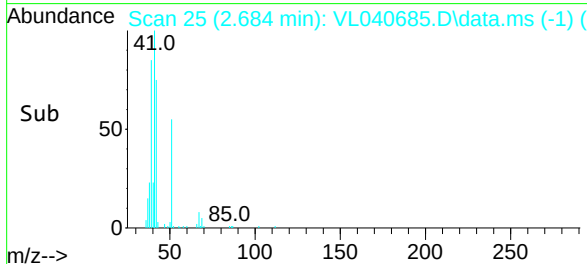
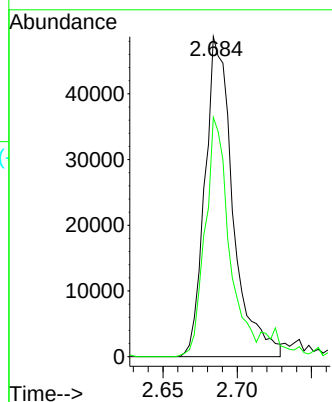
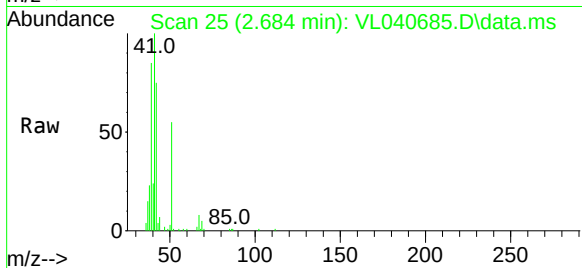
VSTDIC001

Tgt Ion: 41 Resp: 64017

Ion Ratio Lower Upper

41 100

42 72.4 56.7 85.1



#10

Heptane

Concen: 0.653 ppbv

RT: 7.571 min Scan# 1545

Delta R.T. -0.003 min

Lab File: VL040685.D

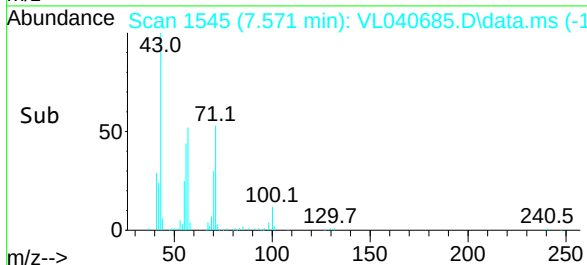
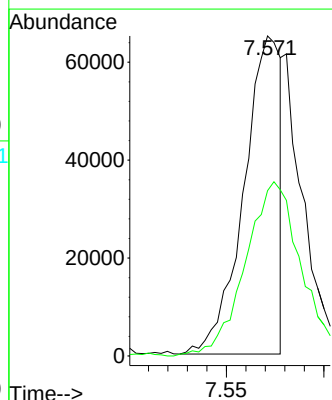
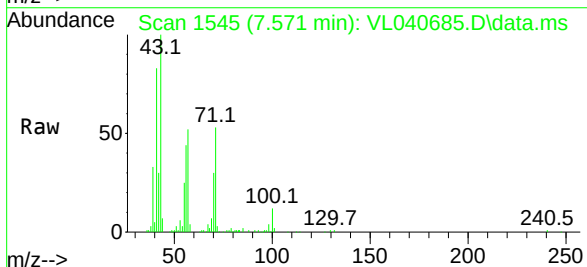
Acq: 14 Sep 2023 15:06

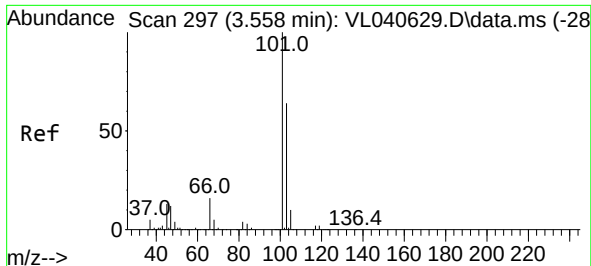
Tgt Ion: 43 Resp: 85330

Ion Ratio Lower Upper

43 100

57 84.5 41.8 62.6#

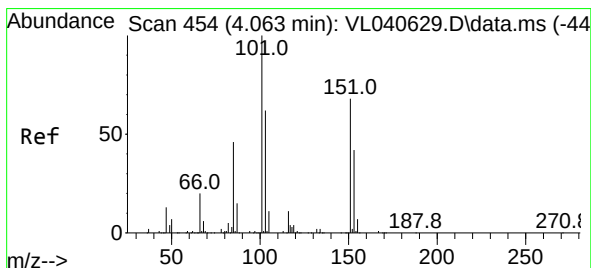
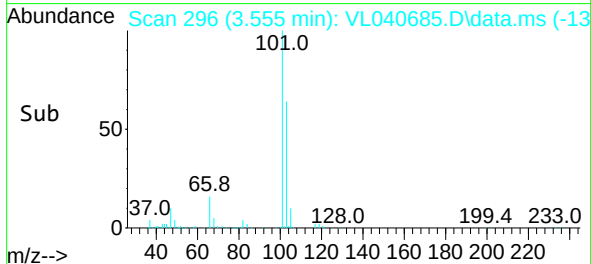
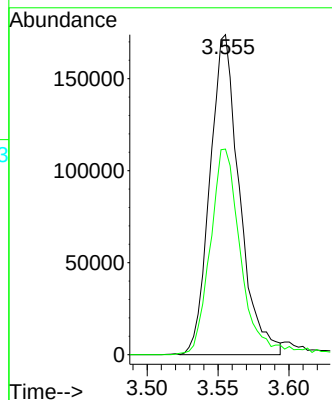
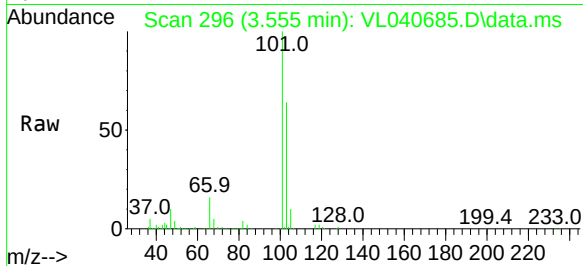




#11
 Trichlorofluoromethane
 Concen: 1.052 ppbv
 RT: 3.555 min Scan# 297
 Delta R.T. 0.003 min
 Lab File: VL040685.D
 Acq: 14 Sep 2023 15:06

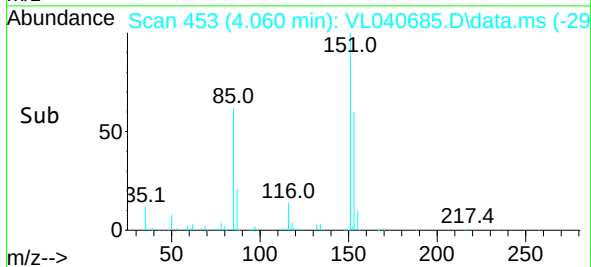
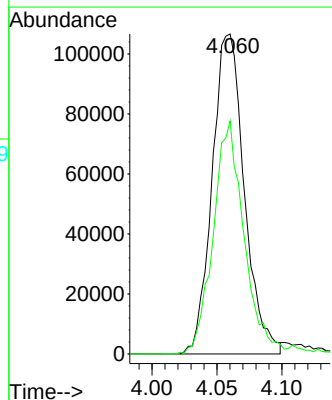
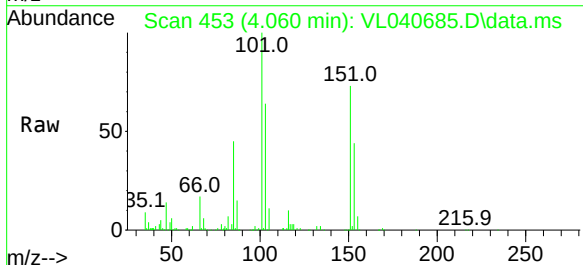
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

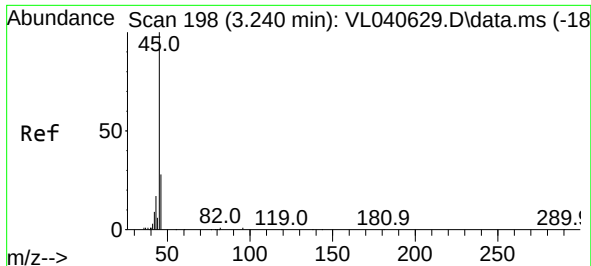
Tgt Ion:101 Resp: 251977
 Ion Ratio Lower Upper
 101 100
 103 63.8 51.3 76.9



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.072 ppbv
 RT: 4.060 min Scan# 453
 Delta R.T. 0.003 min
 Lab File: VL040685.D
 Acq: 14 Sep 2023 15:06

Tgt Ion:101 Resp: 183574
 Ion Ratio Lower Upper
 101 100
 151 71.0 56.8 85.2

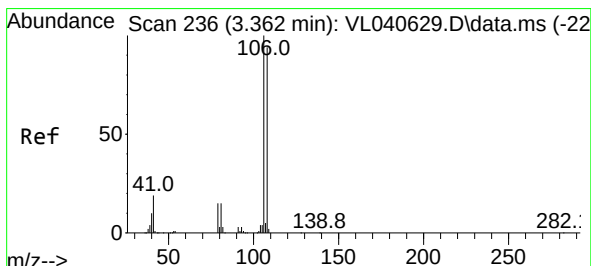
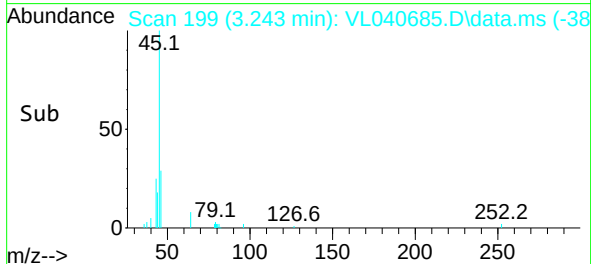
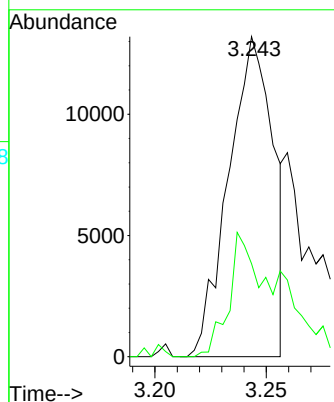
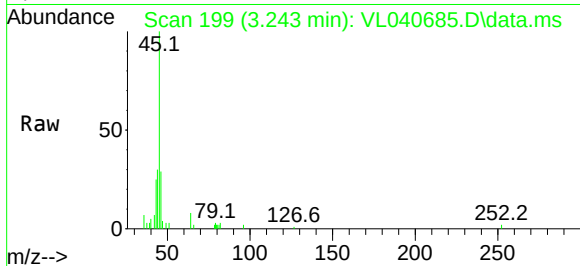




#13
 Ethanol
 Concen: 1.071 ppbv
 RT: 3.243 min Scan# 198
 Delta R.T. 0.016 min
 Lab File: VL040685.D
 Acq: 14 Sep 2023 15:06

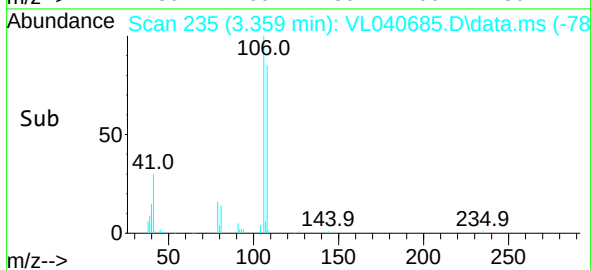
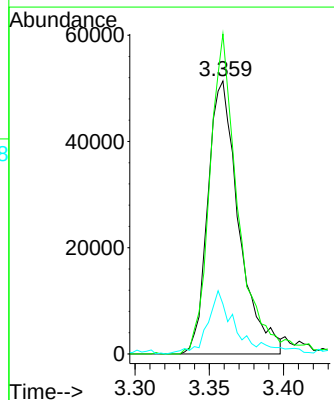
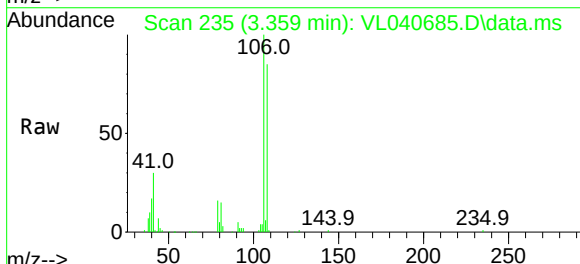
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

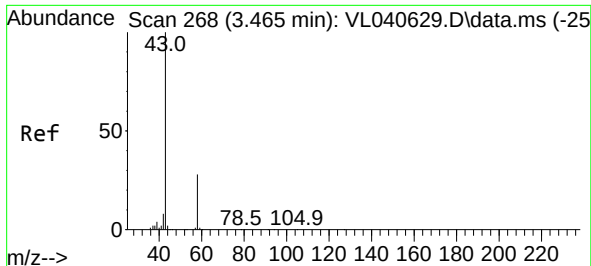
Tgt Ion: 45 Resp: 18382
 Ion Ratio Lower Upper
 45 100
 46 55.0 15.2 61.0



#14
 Bromoethene
 Concen: 1.038 ppbv
 RT: 3.359 min Scan# 235
 Delta R.T. 0.003 min
 Lab File: VL040685.D
 Acq: 14 Sep 2023 15:06

Tgt Ion: 108 Resp: 74552
 Ion Ratio Lower Upper
 108 100
 106 111.1 86.0 129.0
 79 20.7 15.6 23.4

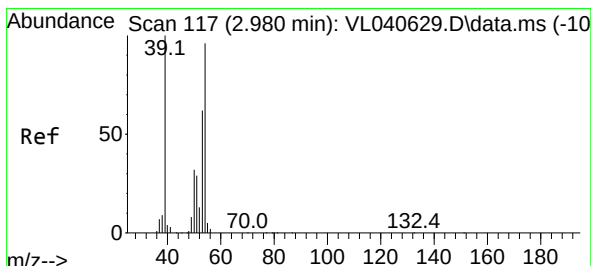
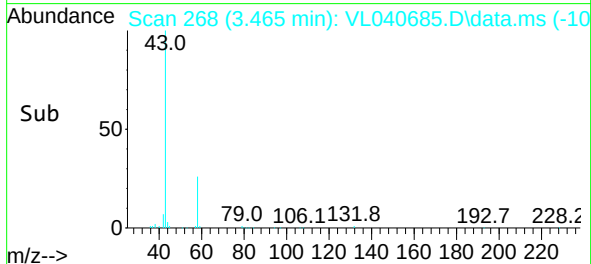
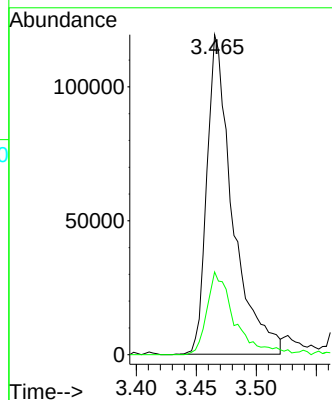
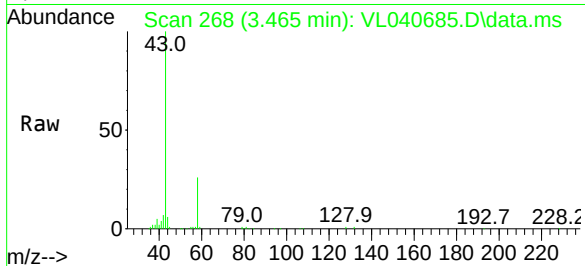




#15
Acetone
Concen: 1.093 ppbv
RT: 3.465 min Scan# 20
Delta R.T. 0.010 min
Lab File: VL040685.D
Acq: 14 Sep 2023 15:06

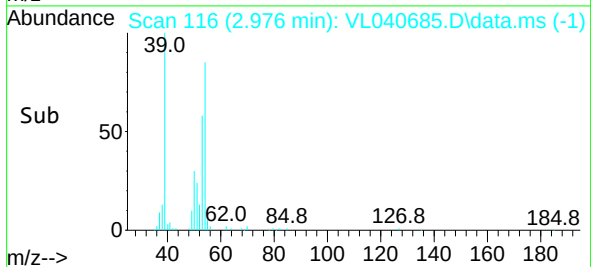
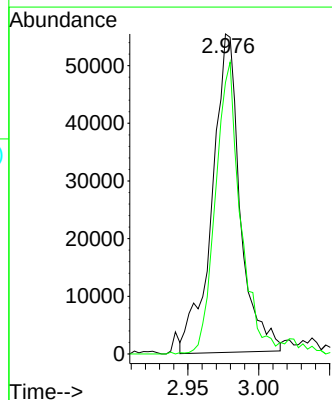
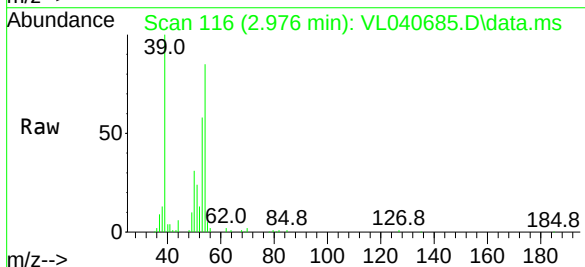
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

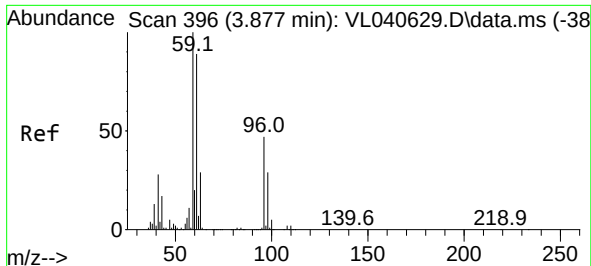
Tgt Ion: 43 Resp: 178248
Ion Ratio Lower Upper
43 100
58 27.8 22.6 34.0



#16
1,3-Butadiene
Concen: 1.072 ppbv
RT: 2.976 min Scan# 116
Delta R.T. 0.003 min
Lab File: VL040685.D
Acq: 14 Sep 2023 15:06

Tgt Ion: 39 Resp: 76161
Ion Ratio Lower Upper
39 100
54 85.4 64.8 97.2





#17

tert-Butyl alcohol

Concen: 1.071 ppbv

RT: 3.877 min Scan# 396

Delta R.T. 0.010 min

Lab File: VL040685.D

Acq: 14 Sep 2023 15:06

Instrument :

MSVOA_L

ClientSampleId :

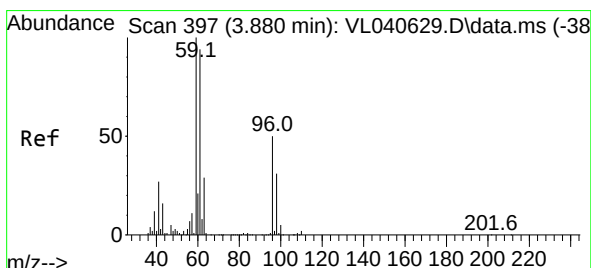
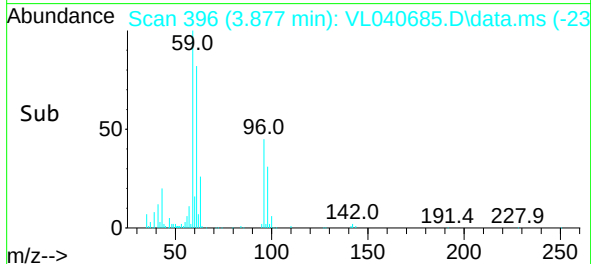
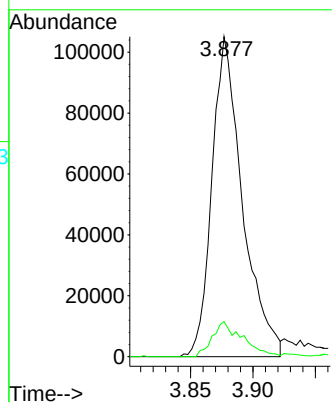
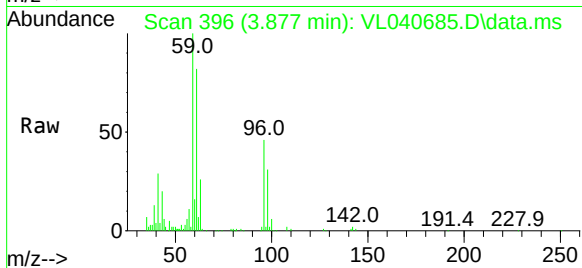
VSTDICC001

Tgt Ion: 59 Resp: 178830

Ion Ratio Lower Upper

59 100

57 11.7 8.7 13.1



#18

1,1-Dichloroethene

Concen: 1.029 ppbv

RT: 3.874 min Scan# 395

Delta R.T. 0.003 min

Lab File: VL040685.D

Acq: 14 Sep 2023 15:06

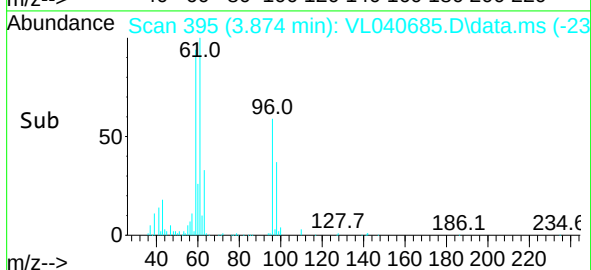
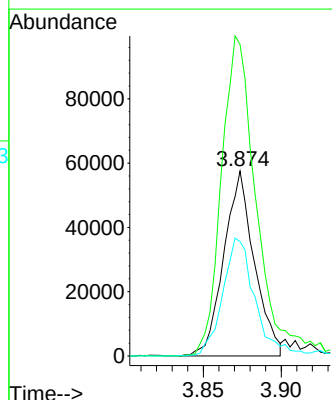
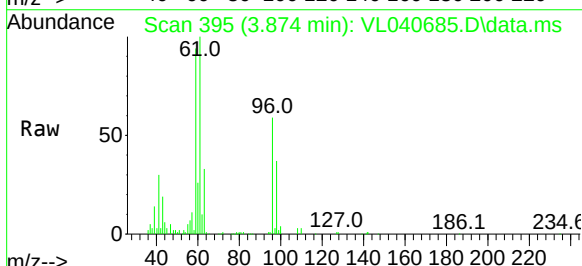
Tgt Ion: 96 Resp: 78309

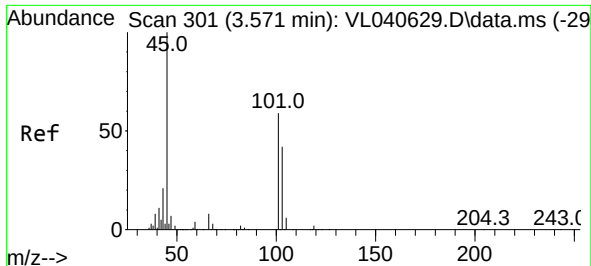
Ion Ratio Lower Upper

96 100

61 168.5 153.6 230.4

98 61.6 51.9 77.9

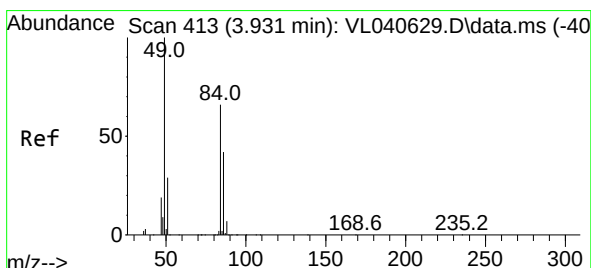
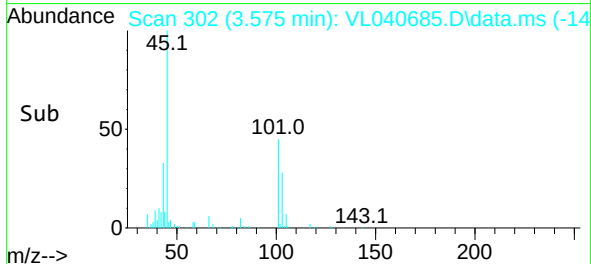
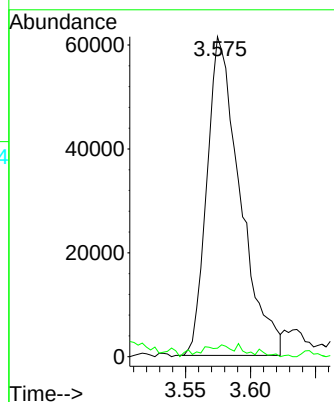
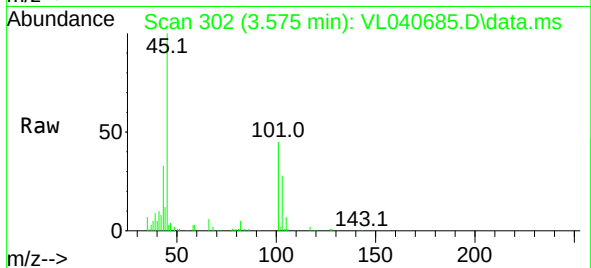




#19
Isopropyl Alcohol
Concen: 1.109 ppbv
RT: 3.575 min Scan# 301
Delta R.T. 0.010 min
Lab File: VL040685.D
Acq: 14 Sep 2023 15:06

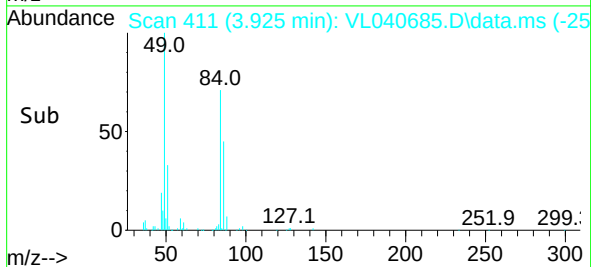
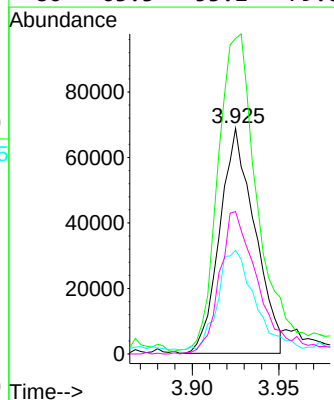
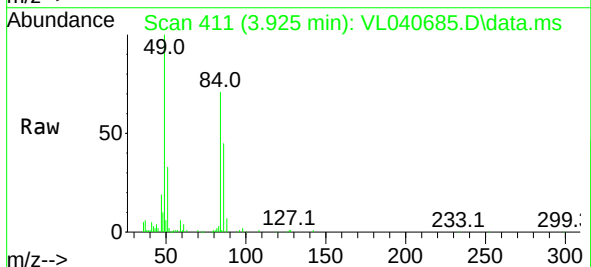
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

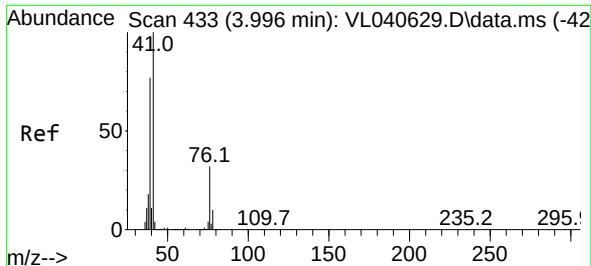
Tgt Ion: 45 Resp: 108986
Ion Ratio Lower Upper
45 100
58 4.8 1.9 2.9#



#20
Methylene Chloride
Concen: 1.103 ppbv
RT: 3.925 min Scan# 411
Delta R.T. 0.003 min
Lab File: VL040685.D
Acq: 14 Sep 2023 15:06

Tgt Ion: 84 Resp: 96823
Ion Ratio Lower Upper
84 100
49 138.3 114.4 171.6
51 44.3 35.5 53.3
86 63.3 53.2 79.8





#21

Allyl Chloride

Concen: 1.014 ppbv

RT: 3.989 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL040685.D

Acq: 14 Sep 2023 15:06

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC001

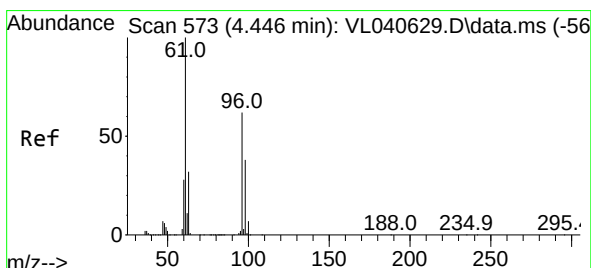
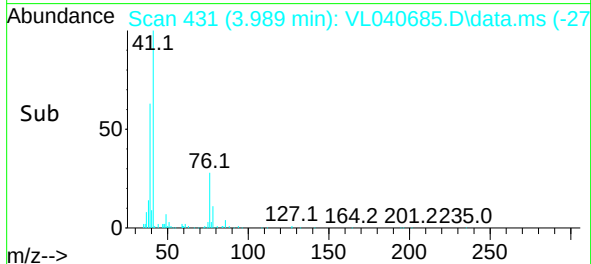
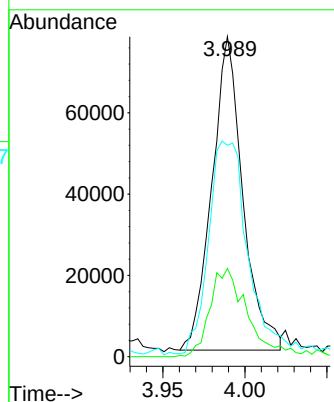
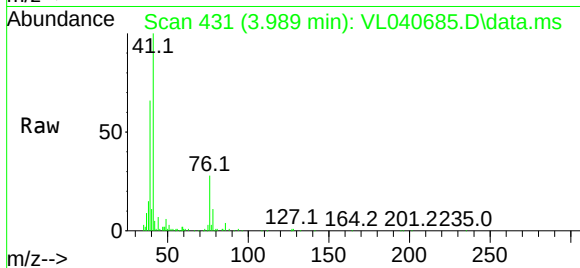
Tgt Ion: 41 Resp: 101310

Ion Ratio Lower Upper

41 100

76 34.9 26.6 40.0

39 94.0 65.0 97.4



#22

trans-1,2-Dichloroethene

Concen: 0.966 ppbv

RT: 4.436 min Scan# 570

Delta R.T. 0.003 min

Lab File: VL040685.D

Acq: 14 Sep 2023 15:06

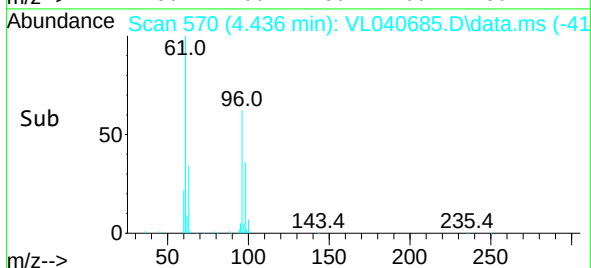
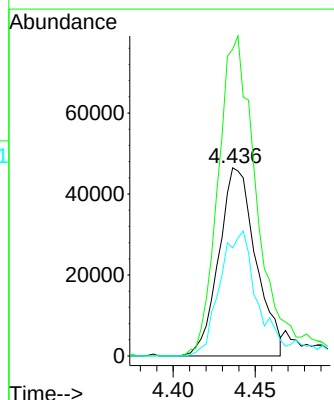
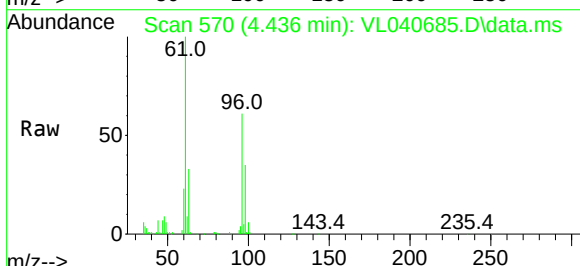
Tgt Ion: 96 Resp: 72690

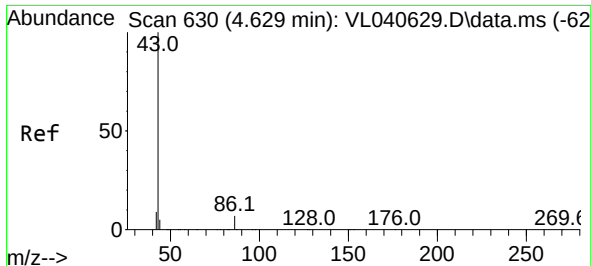
Ion Ratio Lower Upper

96 100

61 163.0 129.9 194.9

98 57.4 50.2 75.4



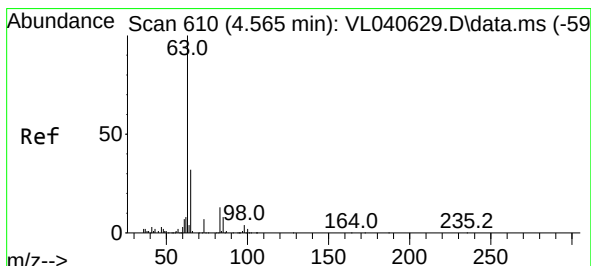
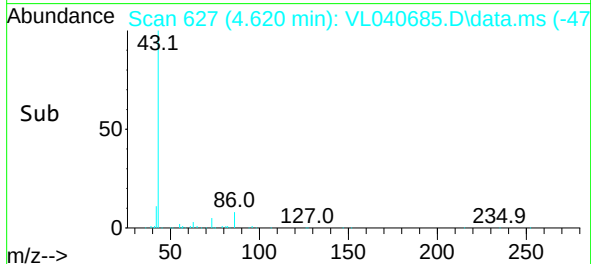
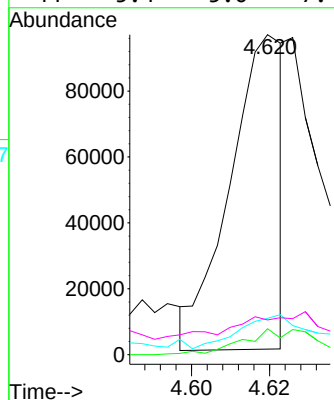
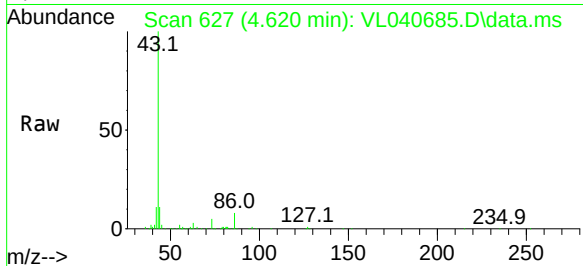


#23
 Vinyl Acetate
 Concen: 0.534 ppbv
 RT: 4.620 min Scan# 61
 Delta R.T. 0.003 min
 Lab File: VL040685.D
 Acq: 14 Sep 2023 15:06

Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC001

Tgt Ion: 43 Resp: 90083

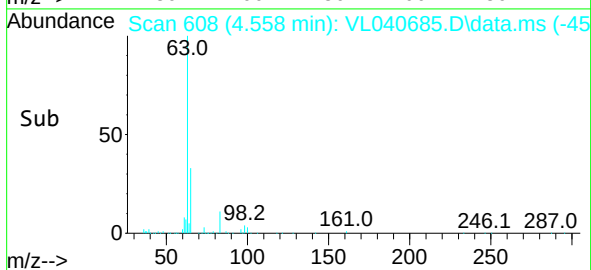
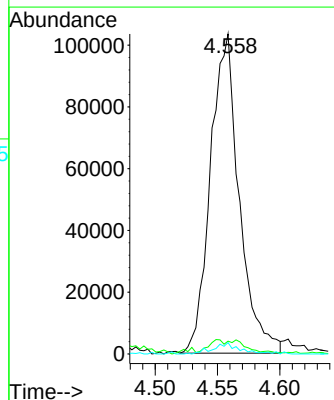
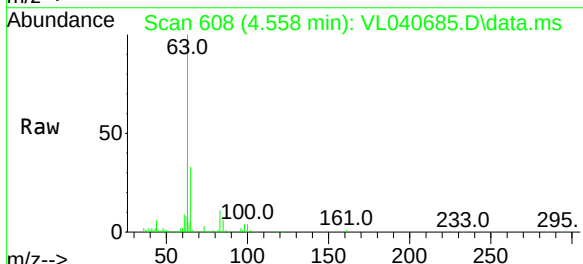
Ion	Ratio	Lower	Upper
43	100		
86	9.1	5.6	8.4#
42	7.7	7.6	11.4
44	5.4	5.0	7.4

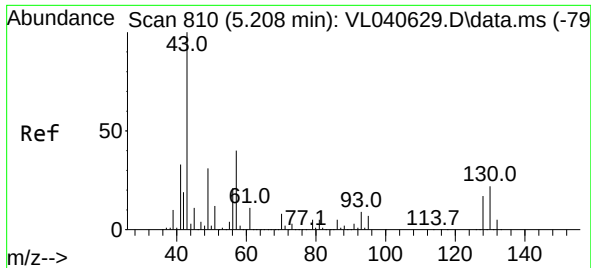


#24
 1,1-Dichloroethane
 Concen: 1.055 ppbv
 RT: 4.558 min Scan# 608
 Delta R.T. 0.006 min
 Lab File: VL040685.D
 Acq: 14 Sep 2023 15:06

Tgt Ion: 63 Resp: 166425

Ion	Ratio	Lower	Upper
63	100		
98	3.6	1.8	5.5
100	3.6	1.2	3.6



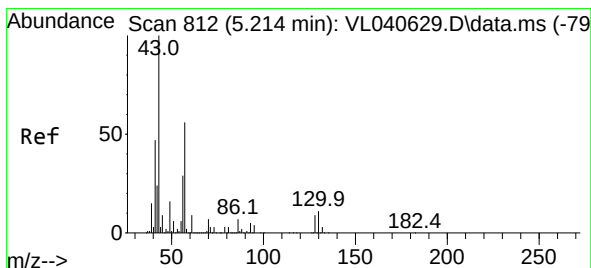
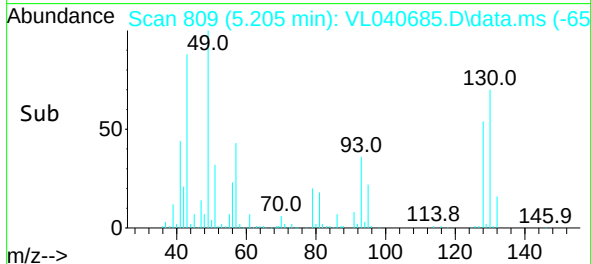
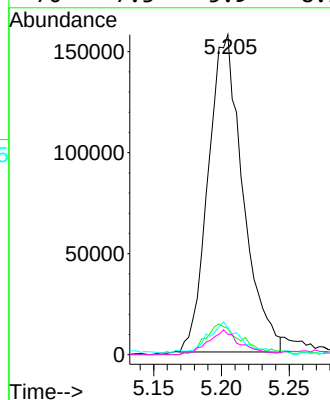
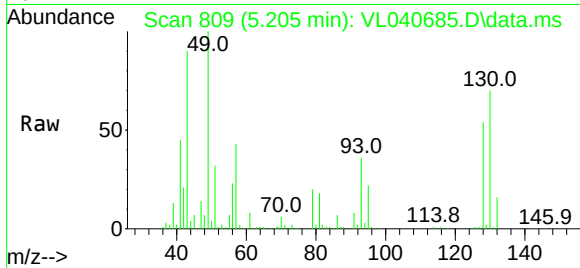


#25
Ethyl Acetate
Concen: 1.064 ppbv
RT: 5.205 min Scan# 808
Delta R.T. 0.010 min
Lab File: VL040685.D
Acq: 14 Sep 2023 15:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 43 Resp: 279692

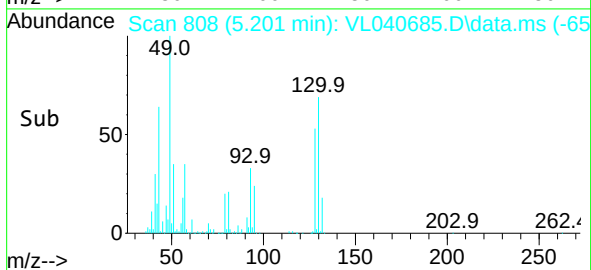
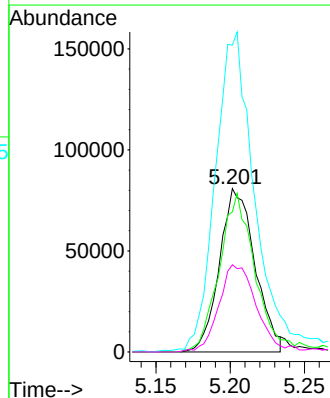
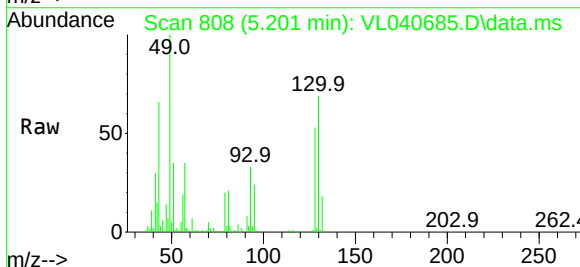
Ion	Ratio	Lower	Upper
43	100		
45	11.0	8.2	12.4
61	10.6	8.2	12.4
70	7.3	5.9	8.9

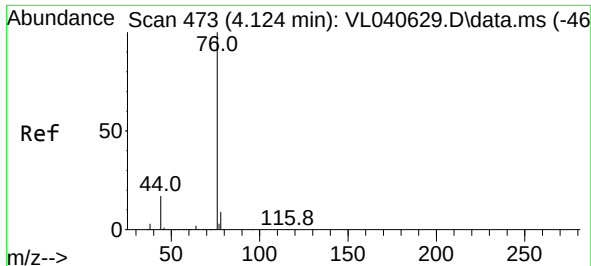


#26
Hexane
Concen: 1.083 ppbv
RT: 5.201 min Scan# 808
Delta R.T. -0.003 min
Lab File: VL040685.D
Acq: 14 Sep 2023 15:06

Tgt Ion: 57 Resp: 134612

Ion	Ratio	Lower	Upper
57	100		
41	101.6	75.2	112.8
43	226.9	185.6	278.4
56	58.1	43.8	65.8





#27

Carbon Disulfide

Concen: 0.925 ppbv

RT: 4.118 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL040685.D

Acq: 14 Sep 2023 15:06

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

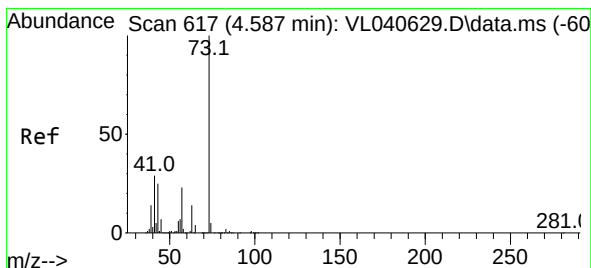
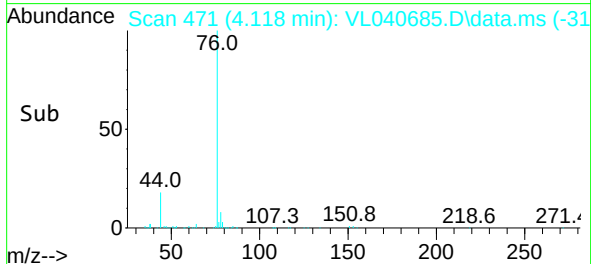
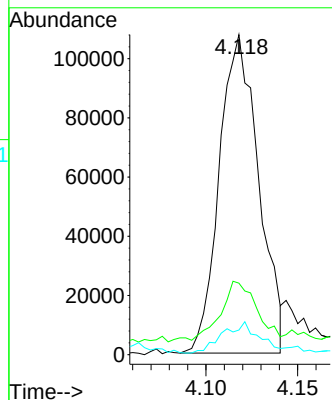
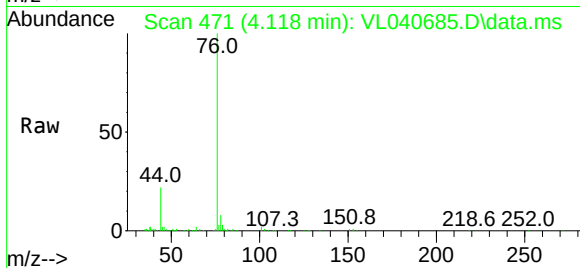
Tgt Ion: 76 Resp: 160440

Ion Ratio Lower Upper

76 100

44 25.0 14.5 21.7#

78 12.5 7.7 11.5#



#28

Methyl tert-Butyl Ether

Concen: 1.046 ppbv

RT: 4.584 min Scan# 616

Delta R.T. 0.006 min

Lab File: VL040685.D

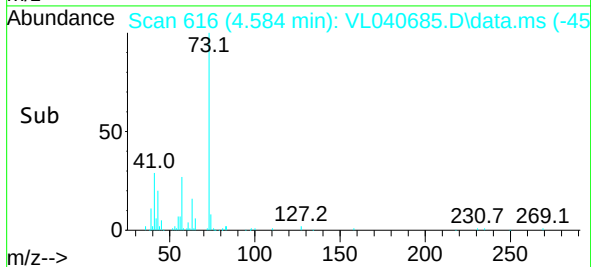
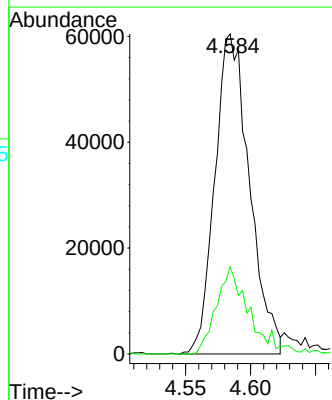
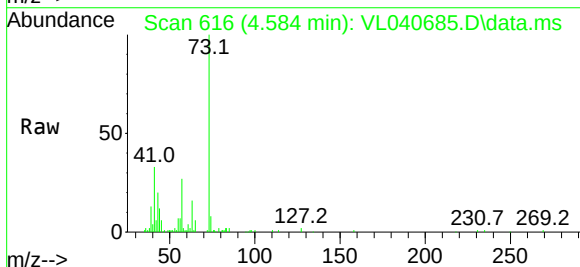
Acq: 14 Sep 2023 15:06

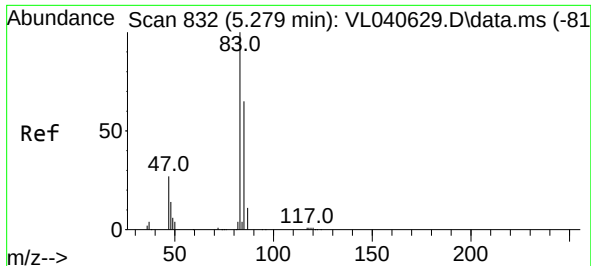
Tgt Ion: 73 Resp: 111900

Ion Ratio Lower Upper

73 100

57 26.3 18.8 28.2

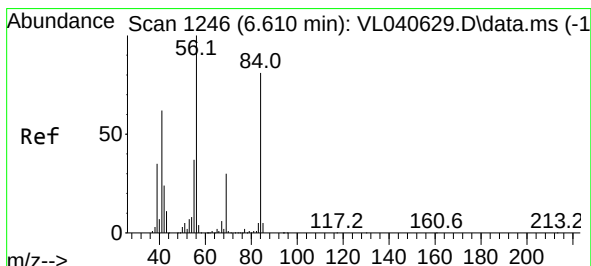
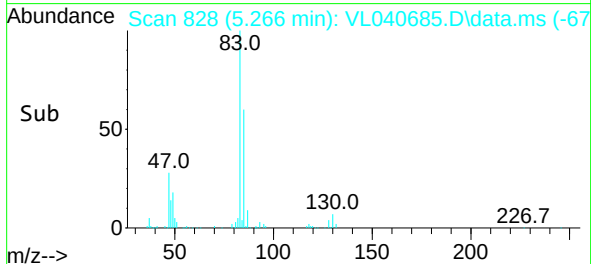
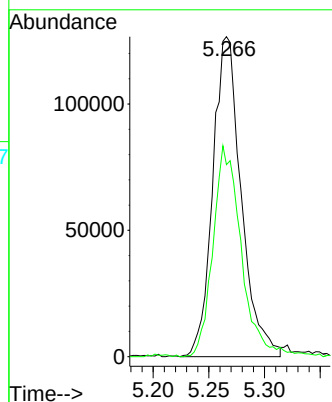
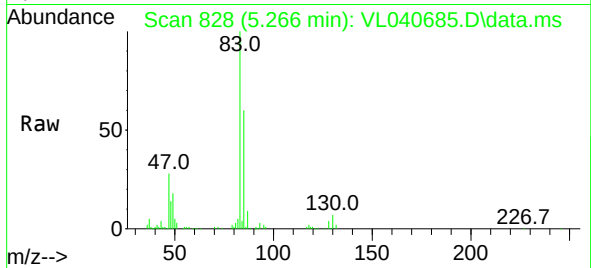




#29
Chloroform
Concen: 1.048 ppbv
RT: 5.266 min Scan# 81
Delta R.T. 0.000 min
Lab File: VL040685.D
Acq: 14 Sep 2023 15:06

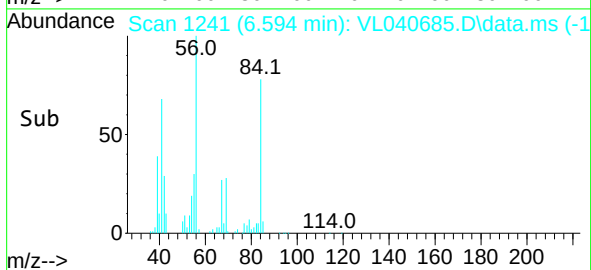
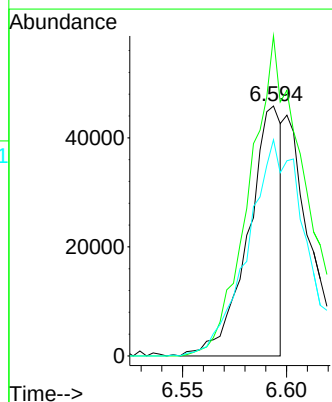
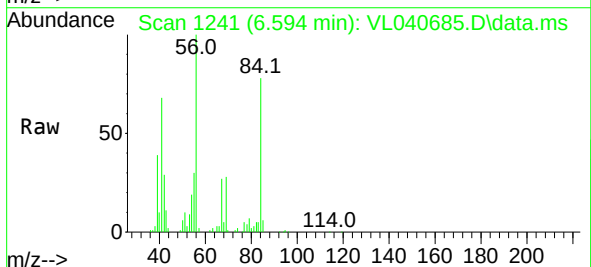
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

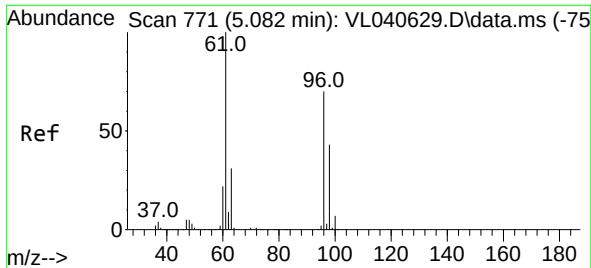
Tgt Ion: 83 Resp: 225005
Ion Ratio Lower Upper
83 100
85 60.0 51.8 77.8



#30
Cyclohexane
Concen: 0.542 ppbv
RT: 6.594 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VL040685.D
Acq: 14 Sep 2023 15:06

Tgt Ion: 84 Resp: 50773
Ion Ratio Lower Upper
84 100
56 203.1 103.2 154.8#
41 157.1 65.5 98.3#

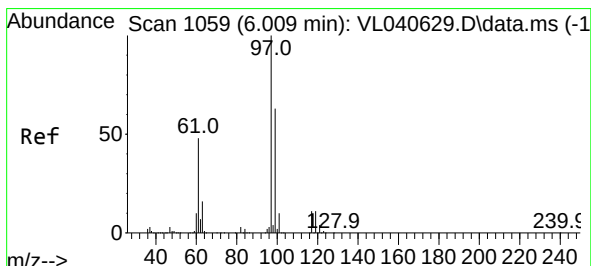
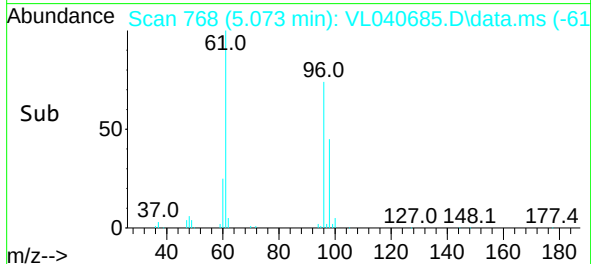
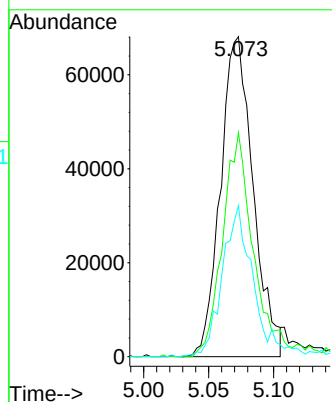
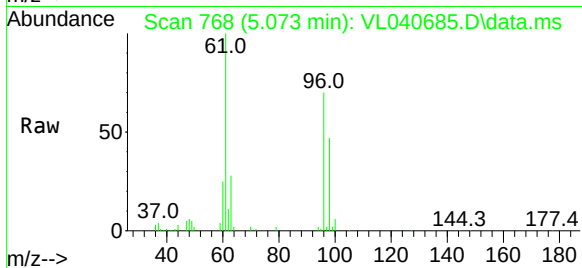




#31
 cis-1,2-Dichloroethene
 Concen: 1.032 ppbv
 RT: 5.073 min Scan# 71
 Delta R.T. 0.003 min
 Lab File: VL040685.D
 Acq: 14 Sep 2023 15:06

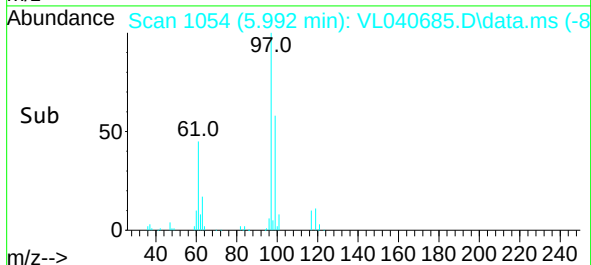
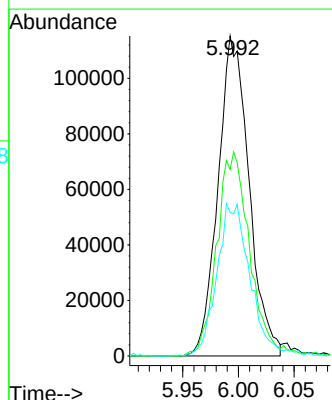
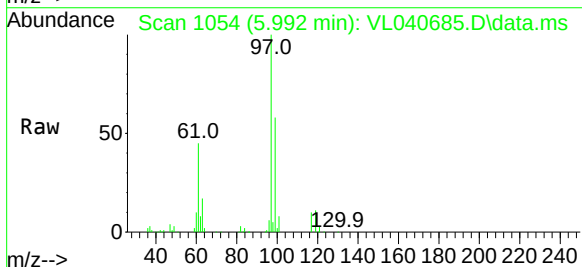
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC001

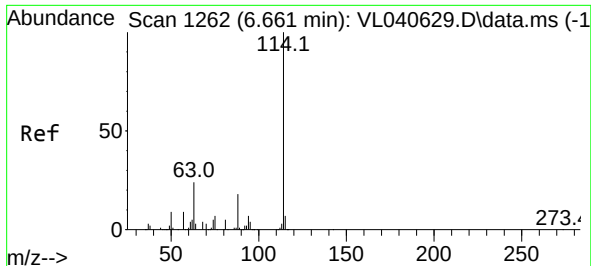
Tgt Ion: 61 Resp: 119056
 Ion Ratio Lower Upper
 61 100
 96 70.0 51.2 76.8
 98 47.2 32.3 48.5



#32
 1,1,1-Trichloroethane
 Concen: 1.016 ppbv
 RT: 5.992 min Scan# 1054
 Delta R.T. -0.003 min
 Lab File: VL040685.D
 Acq: 14 Sep 2023 15:06

Tgt Ion: 97 Resp: 222898
 Ion Ratio Lower Upper
 97 100
 99 68.1 52.4 78.6
 61 51.4 40.2 60.4





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.645 min Scan# 11

Delta R.T. 0.000 min

Lab File: VL040685.D

Acq: 14 Sep 2023 15:06

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001

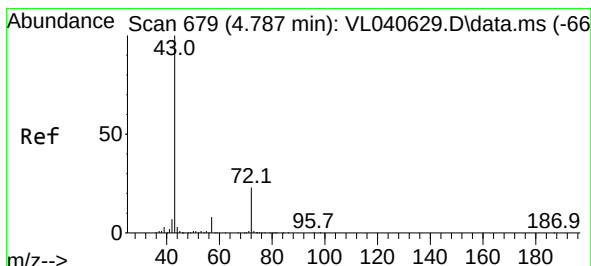
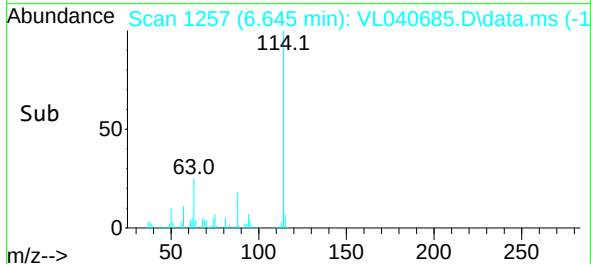
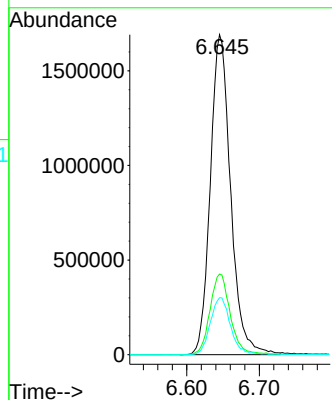
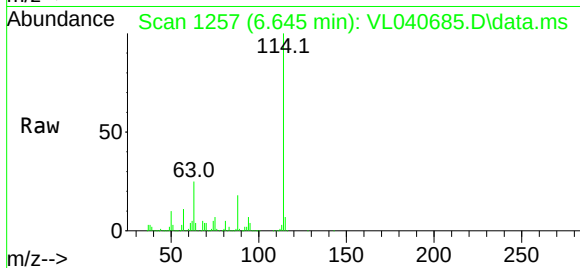
Tgt Ion:114 Resp: 3288817

Ion Ratio Lower Upper

114 100

63 25.5 21.1 31.7

88 17.9 14.5 21.7



#34

2-Butanone

Concen: 0.409 ppbv

RT: 4.780 min Scan# 677

Delta R.T. 0.003 min

Lab File: VL040685.D

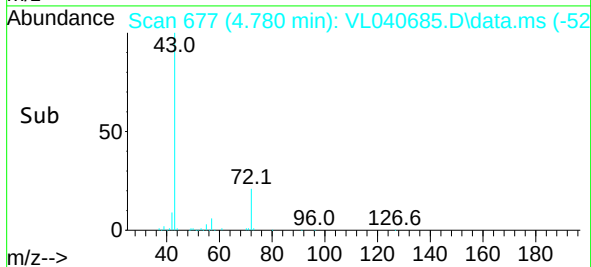
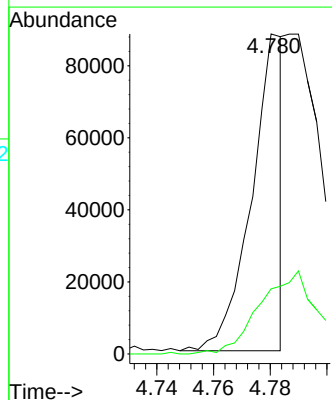
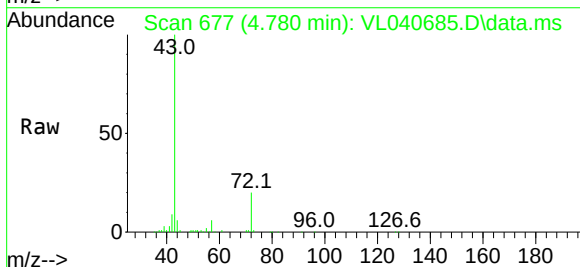
Acq: 14 Sep 2023 15:06

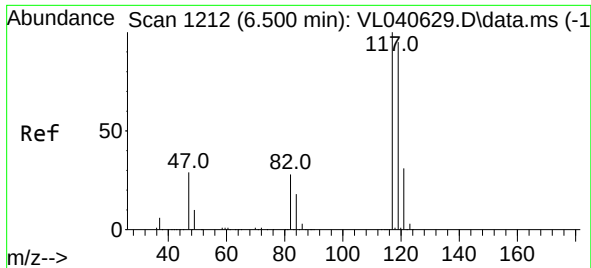
Tgt Ion: 43 Resp: 67595

Ion Ratio Lower Upper

43 100

72 0.0 18.6 27.8#





#35

Carbon Tetrachloride

Concen: 1.015 ppbv

RT: 6.488 min Scan# 11

Delta R.T. 0.003 min

Lab File: VL040685.D

Acq: 14 Sep 2023 15:06

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

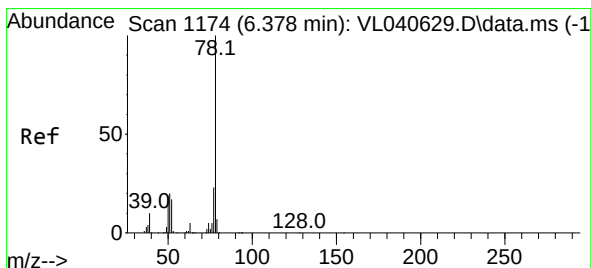
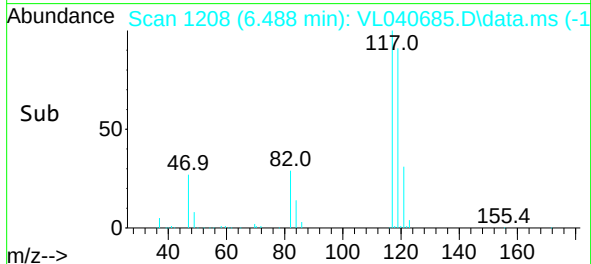
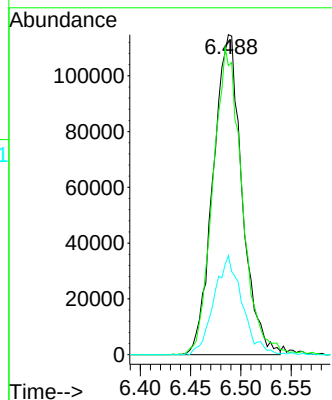
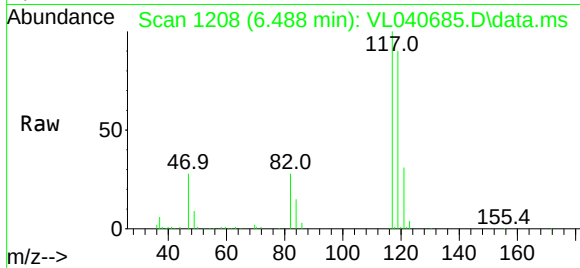
Tgt Ion:117 Resp: 229233

Ion Ratio Lower Upper

117 100

119 90.1 78.6 117.8

121 30.9 24.7 37.1



#36

Benzene

Concen: 1.007 ppbv

RT: 6.362 min Scan# 1169

Delta R.T. 0.000 min

Lab File: VL040685.D

Acq: 14 Sep 2023 15:06

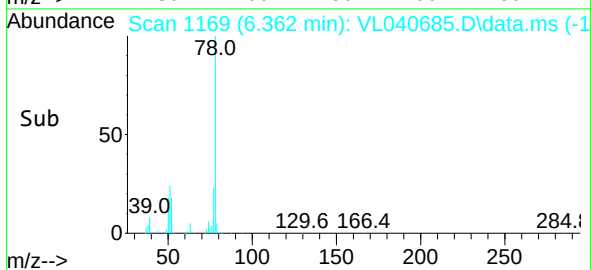
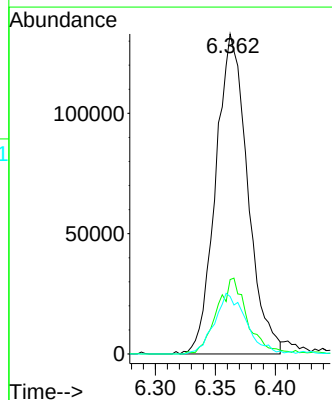
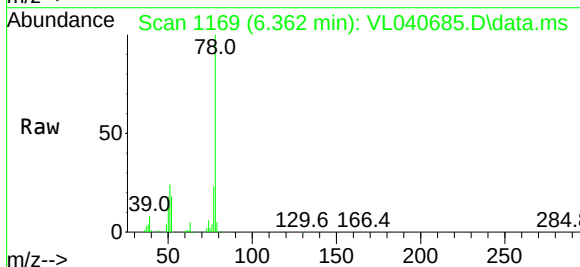
Tgt Ion: 78 Resp: 245324

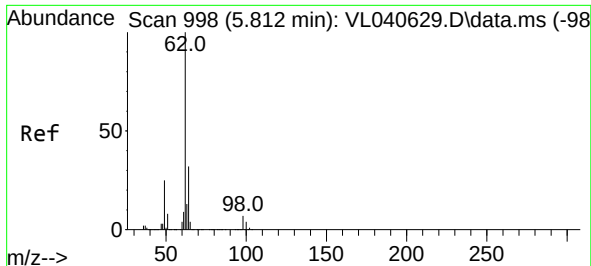
Ion Ratio Lower Upper

78 100

77 23.3 17.9 26.9

50 17.9 17.3 25.9

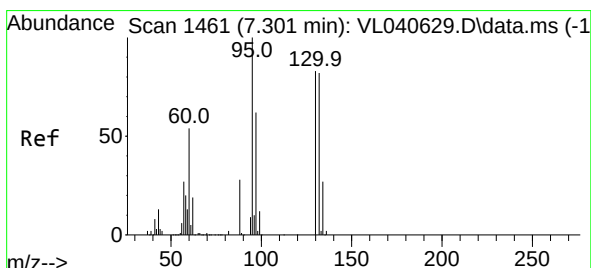
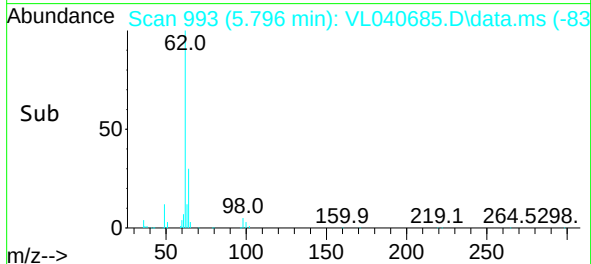
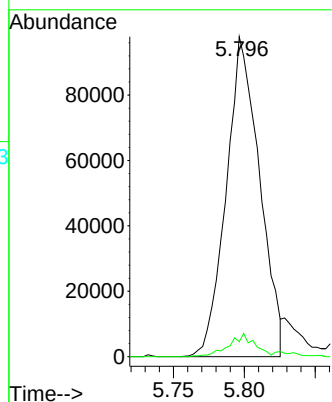
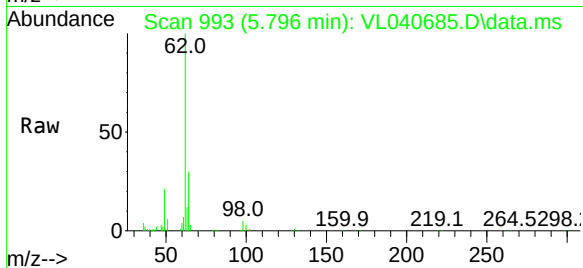




#37
1,2-Dichloroethane
Concen: 0.962 ppbv
RT: 5.796 min Scan# 998
Delta R.T. -0.003 min
Lab File: VL040685.D
Acq: 14 Sep 2023 15:06

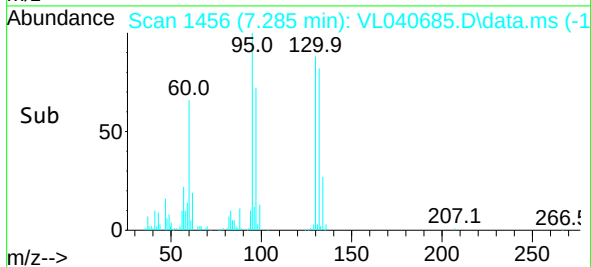
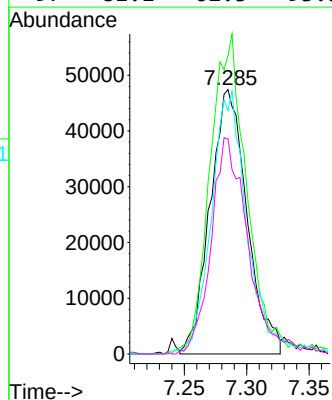
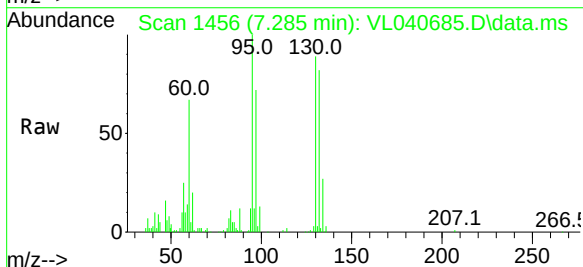
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

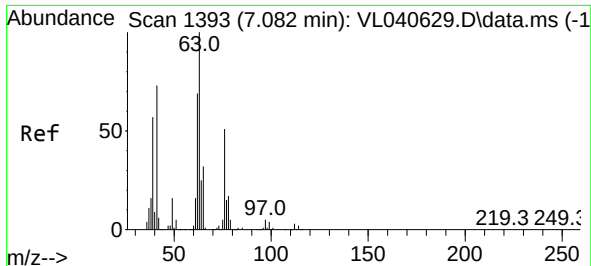
Tgt Ion: 62 Resp: 160323
Ion Ratio Lower Upper
62 100
98 6.6 4.2 6.4#



#38
Trichloroethene
Concen: 1.054 ppbv
RT: 7.285 min Scan# 1456
Delta R.T. 0.000 min
Lab File: VL040685.D
Acq: 14 Sep 2023 15:06

Tgt Ion:130 Resp: 97874
Ion Ratio Lower Upper
130 100
95 111.3 91.9 137.9
132 91.3 77.3 115.9
97 81.1 62.3 93.5





#39

1,2-Dichloropropane

Concen: 1.015 ppbv

RT: 7.066 min Scan# 11

Delta R.T. 0.000 min

Lab File: VL040685.D

Acq: 14 Sep 2023 15:06

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

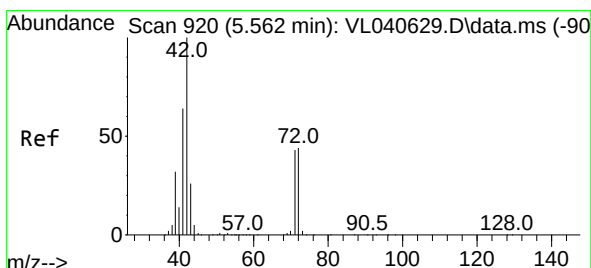
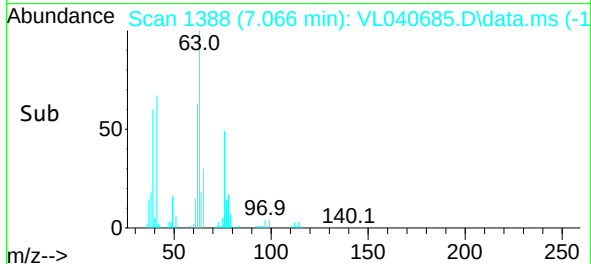
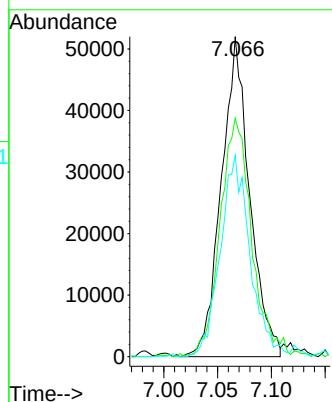
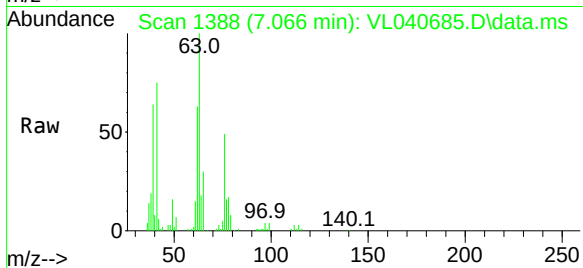
Tgt Ion: 63 Resp: 95104

Ion Ratio Lower Upper

63 100

41 73.6 61.6 92.4

62 62.8 55.8 83.8



#41

Tetrahydrofuran

Concen: 0.978 ppbv

RT: 5.562 min Scan# 920

Delta R.T. 0.013 min

Lab File: VL040685.D

Acq: 14 Sep 2023 15:06

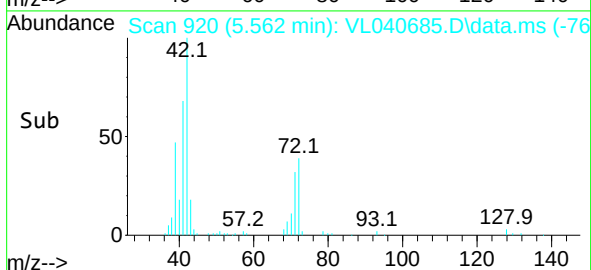
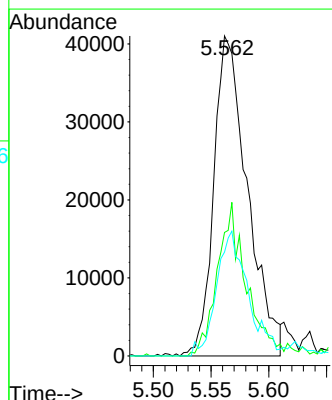
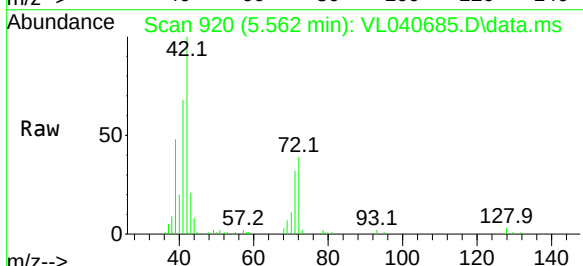
Tgt Ion: 42 Resp: 82988

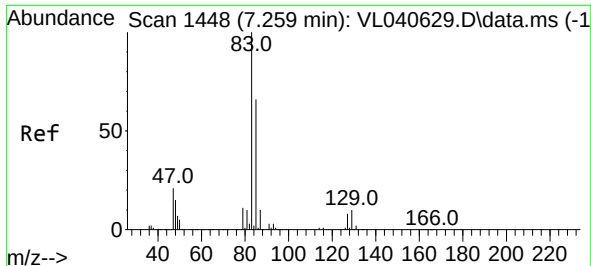
Ion Ratio Lower Upper

42 100

72 42.2 34.9 52.3

71 39.2 33.8 50.8





#42

Bromodichloromethane

Concen: 1.004 ppbv

RT: 7.243 min Scan# 1448

Delta R.T. 0.000 min

Lab File: VL040685.D

Acq: 14 Sep 2023 15:06

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

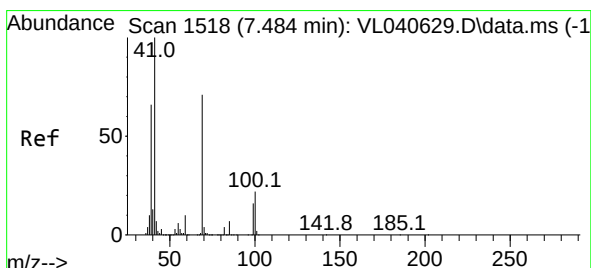
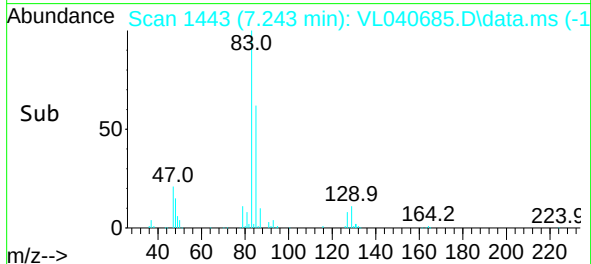
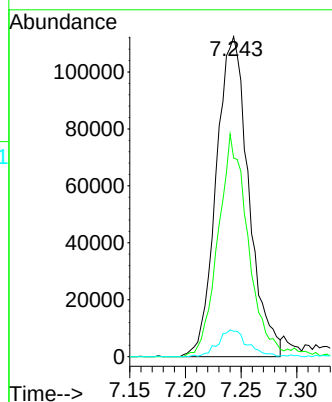
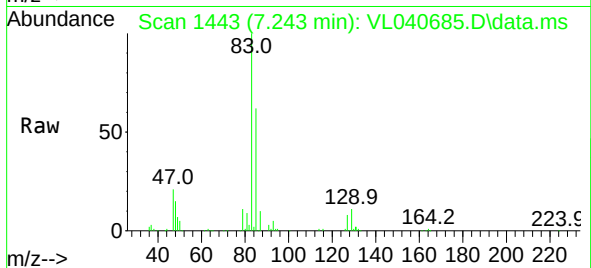
Tgt Ion: 83 Resp: 228240

Ion Ratio Lower Upper

83 100

85 62.1 51.2 76.8

127 8.0 6.2 9.4



#43

Methyl Methacrylate

Concen: 0.587 ppbv

RT: 7.471 min Scan# 1514

Delta R.T. 0.003 min

Lab File: VL040685.D

Acq: 14 Sep 2023 15:06

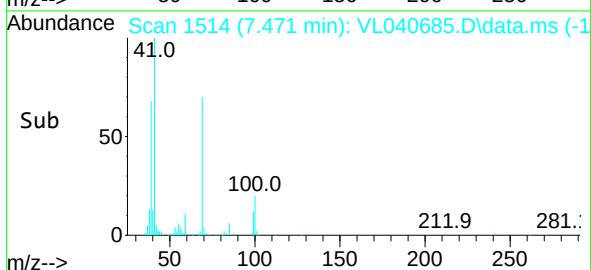
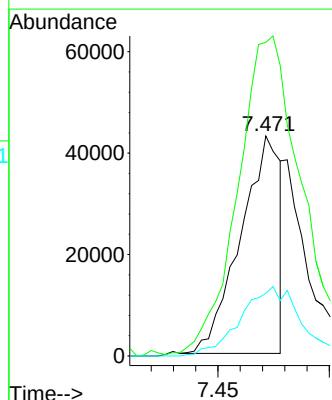
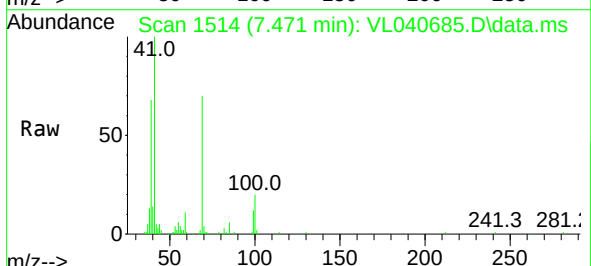
Tgt Ion: 69 Resp: 53151

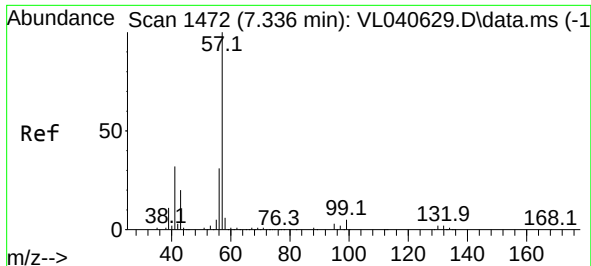
Ion Ratio Lower Upper

69 100

41 240.2 113.8 170.8#

100 49.2 25.4 38.0#





#44

2,2,4-Trimethylpentane

Concen: 1.012 ppbv

RT: 7.320 min Scan# 1472

Delta R.T. 0.000 min

Lab File: VL040685.D

Acq: 14 Sep 2023 15:06

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC001

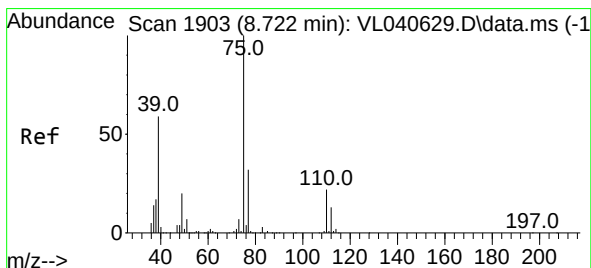
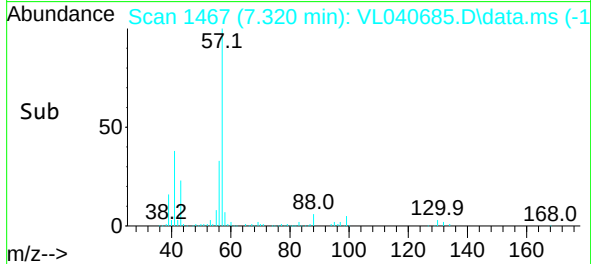
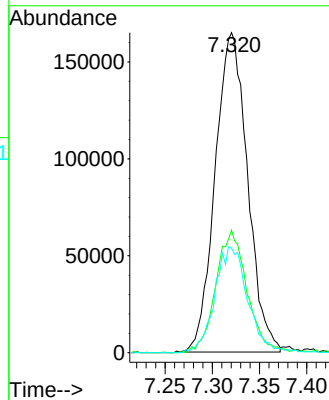
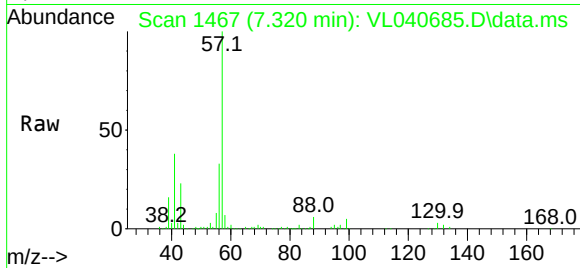
Tgt Ion: 57 Resp: 392304

Ion Ratio Lower Upper

57 100

41 37.3 28.5 42.7

56 33.9 25.4 38.2



#45

t-1,3-Dichloropropene

Concen: 0.842 ppbv

RT: 8.706 min Scan# 1898

Delta R.T. 0.003 min

Lab File: VL040685.D

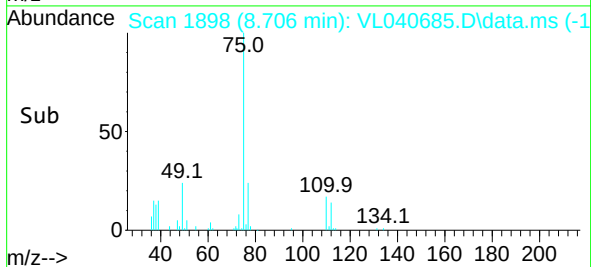
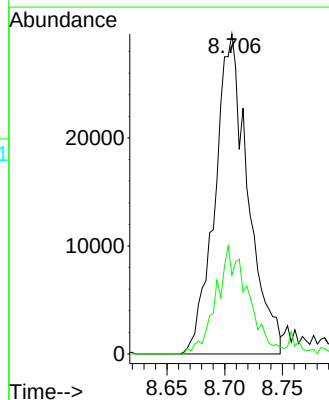
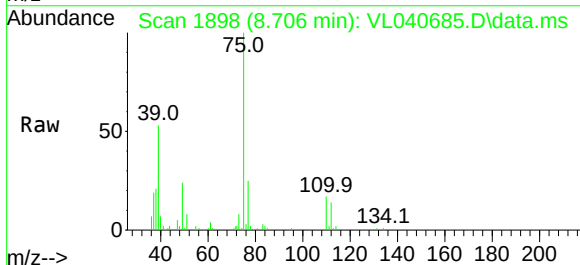
Acq: 14 Sep 2023 15:06

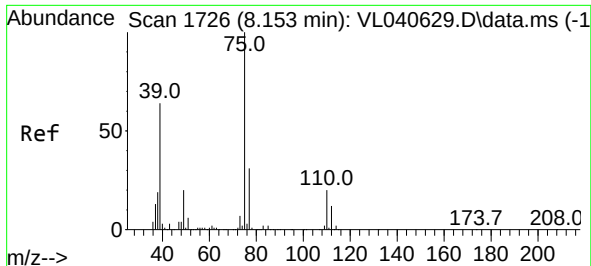
Tgt Ion: 75 Resp: 59096

Ion Ratio Lower Upper

75 100

77 24.7 24.5 36.7

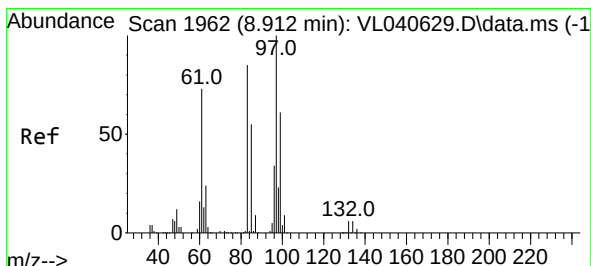
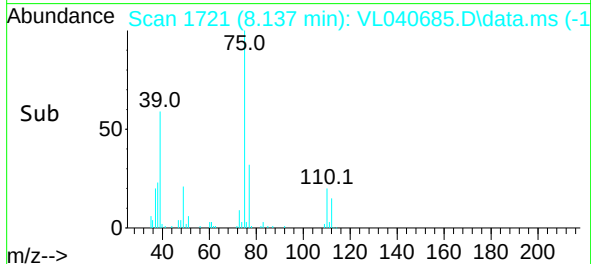
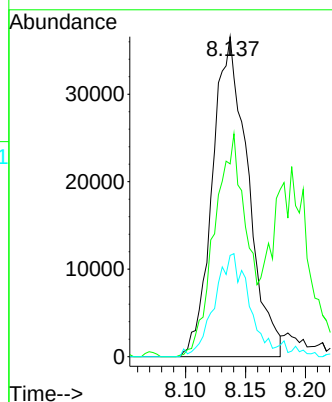
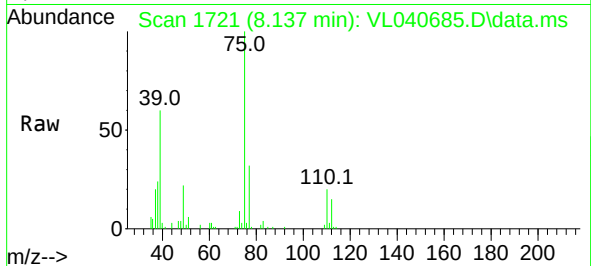




#46
 cis-1,3-Dichloropropene
 Concen: 0.875 ppbv
 RT: 8.137 min Scan# 1
 Delta R.T. 0.000 min
 Lab File: VL040685.D
 Acq: 14 Sep 2023 15:06

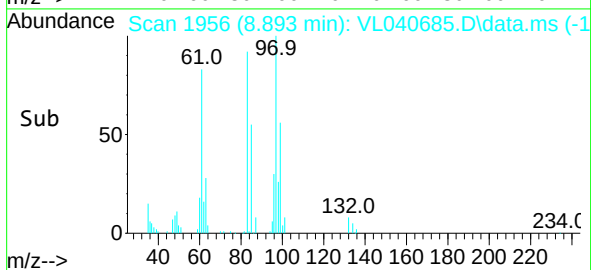
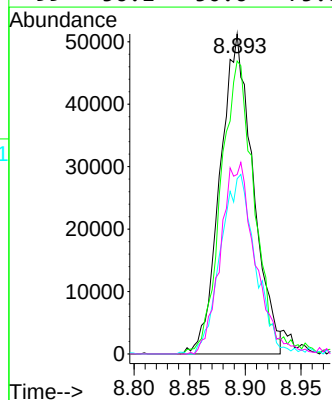
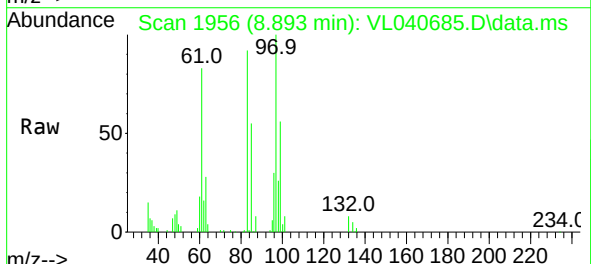
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

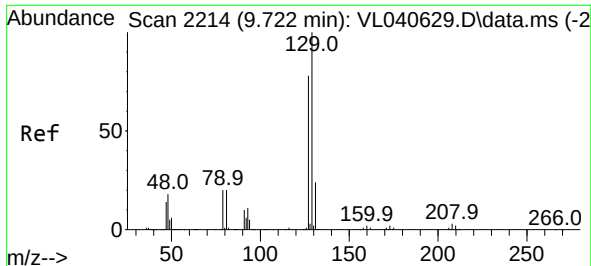
Tgt Ion:	75	Resp:	75145
Ion	Ratio	Lower	Upper
75	100		
39	59.8	54.0	81.0
77	30.9	23.6	35.4



#47
 1,1,2-Trichloroethane
 Concen: 0.985 ppbv
 RT: 8.893 min Scan# 1956
 Delta R.T. -0.003 min
 Lab File: VL040685.D
 Acq: 14 Sep 2023 15:06

Tgt Ion:	97	Resp:	105969
Ion	Ratio	Lower	Upper
97	100		
83	91.6	70.8	106.2
85	54.2	45.7	68.5
99	56.1	50.6	75.8

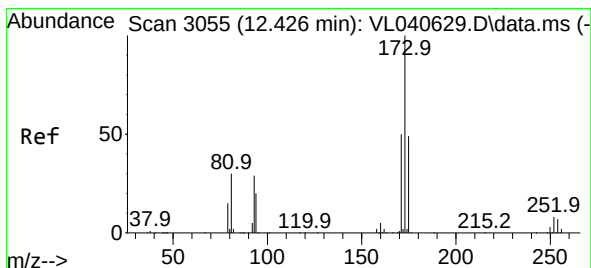
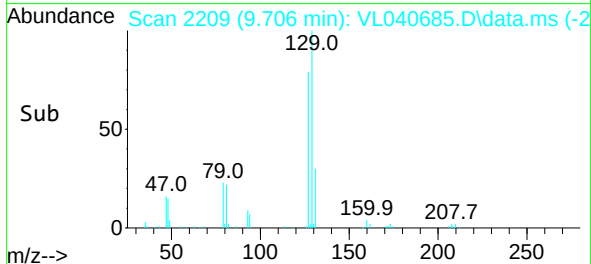
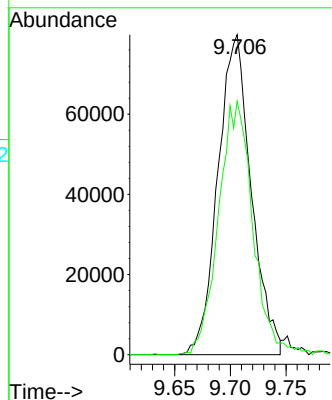
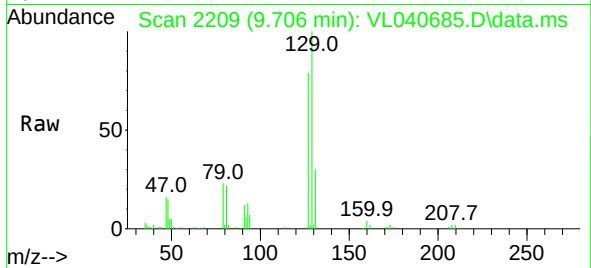




#48
 Dibromochloromethane
 Concen: 0.936 ppbv
 RT: 9.706 min Scan# 21
 Delta R.T. 0.003 min
 Lab File: VL040685.D
 Acq: 14 Sep 2023 15:06

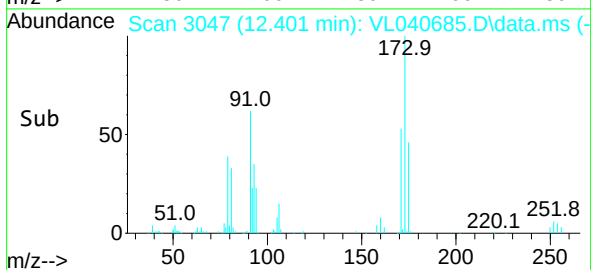
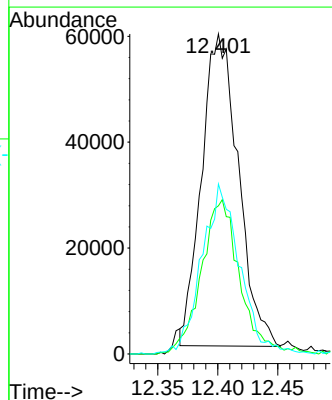
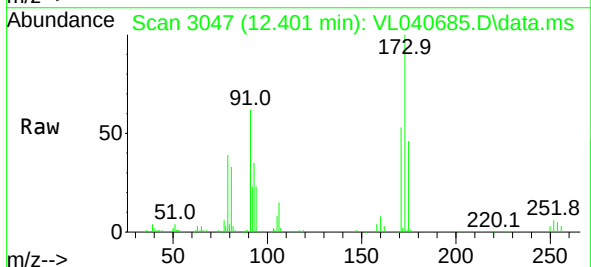
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

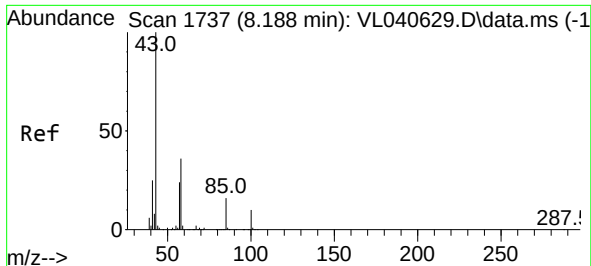
Tgt Ion:129 Resp: 166029
 Ion Ratio Lower Upper
 129 100
 127 82.0 39.4 118.2



#49
 Bromoform
 Concen: 0.859 ppbv
 RT: 12.401 min Scan# 3047
 Delta R.T. -0.003 min
 Lab File: VL040685.D
 Acq: 14 Sep 2023 15:06

Tgt Ion:173 Resp: 125224
 Ion Ratio Lower Upper
 173 100
 175 52.2 38.8 58.2
 171 56.3 42.2 63.2





#50

4-Methyl-2-Pentanone

Concen: 0.961 ppbv

RT: 8.188 min Scan# 11

Delta R.T. 0.016 min

Lab File: VL040685.D

Acq: 14 Sep 2023 15:06

Instrument :

MSVOA_L

ClientSampleId :

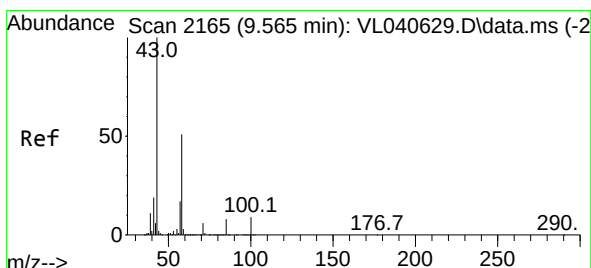
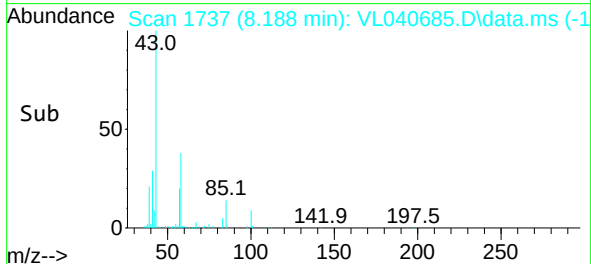
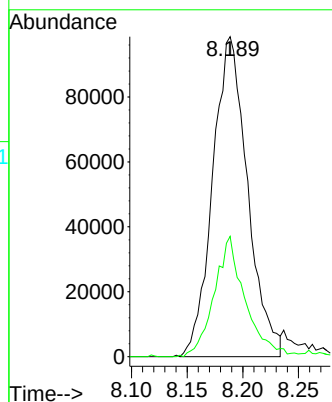
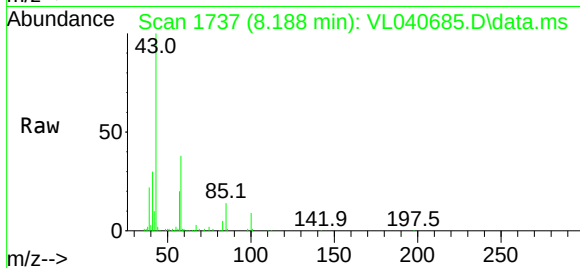
VSTDIC001

Tgt Ion: 43 Resp: 214764

Ion Ratio Lower Upper

43 100

58 33.4 28.2 42.4



#51

2-Hexanone

Concen: 0.489 ppbv

RT: 9.558 min Scan# 2163

Delta R.T. 0.013 min

Lab File: VL040685.D

Acq: 14 Sep 2023 15:06

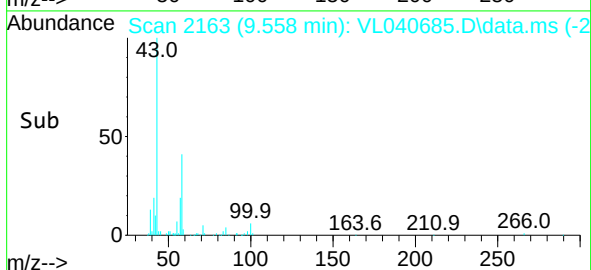
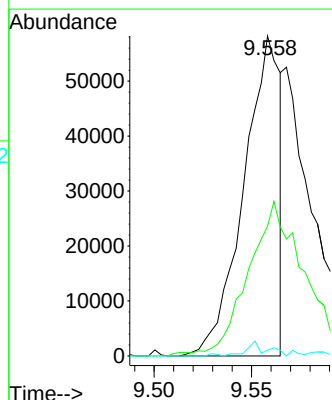
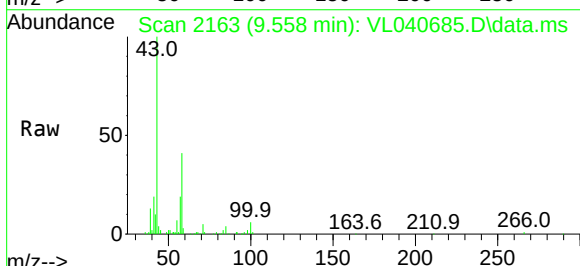
Tgt Ion: 43 Resp: 75382

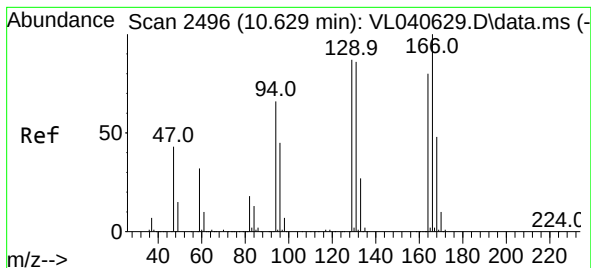
Ion Ratio Lower Upper

43 100

58 84.4 37.6 56.4#

98 4.0 0.6 1.0#





#52

Tetrachloroethene

Concen: 0.681 ppbv

RT: 10.610 min Scan# 2496

Delta R.T. 0.000 min

Lab File: VL040685.D

Acq: 14 Sep 2023 15:06

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion:164 Resp: 54109

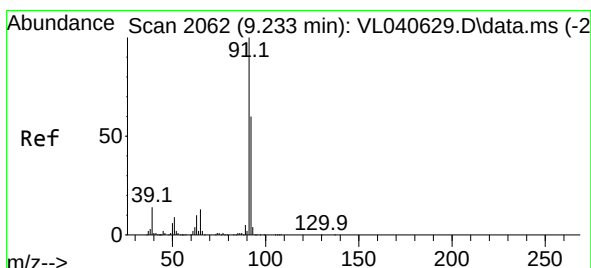
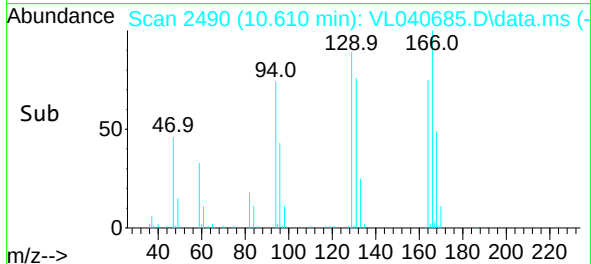
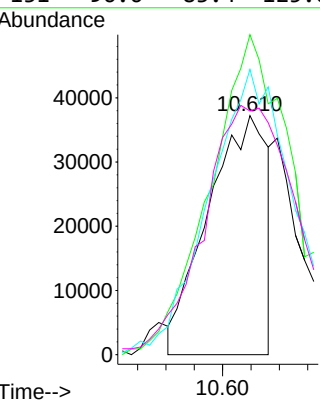
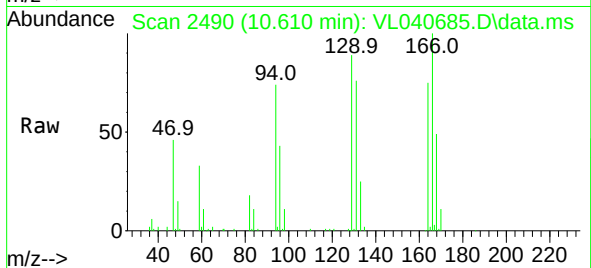
Ion Ratio Lower Upper

164 100

166 131.4 103.4 155.2

129 122.1 83.5 125.3

131 96.6 83.4 125.0



#53

Toluene

Concen: 0.962 ppbv

RT: 9.217 min Scan# 2057

Delta R.T. 0.000 min

Lab File: VL040685.D

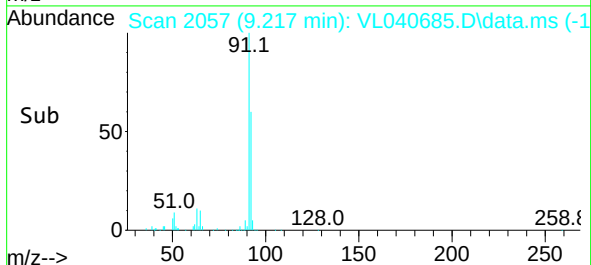
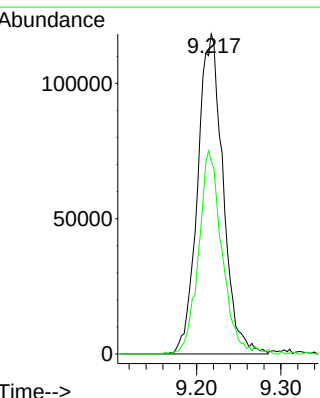
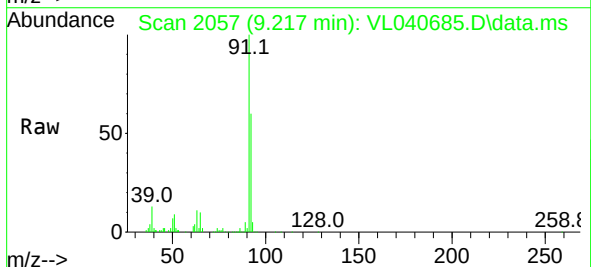
Acq: 14 Sep 2023 15:06

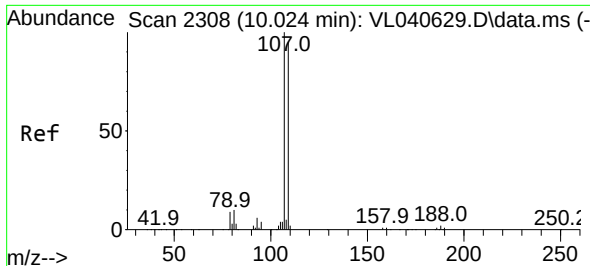
Tgt Ion: 91 Resp: 247413

Ion Ratio Lower Upper

91 100

92 58.6 48.5 72.7

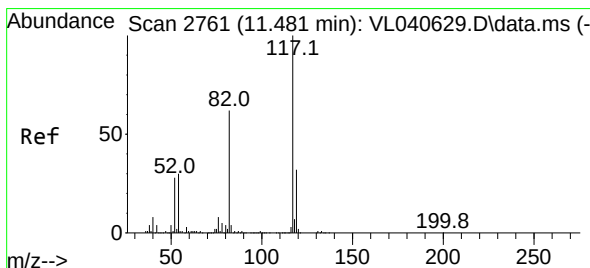
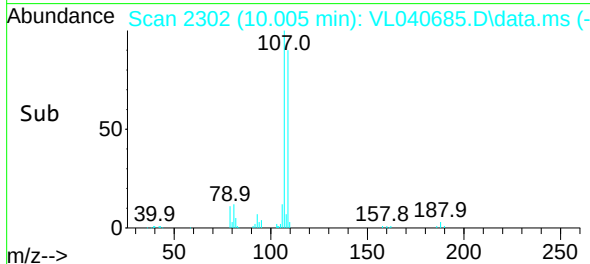
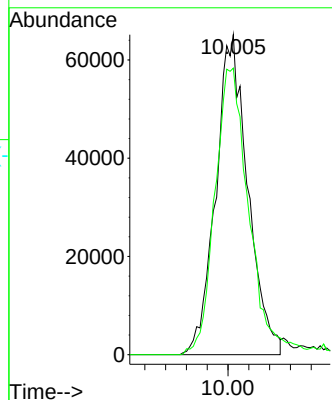
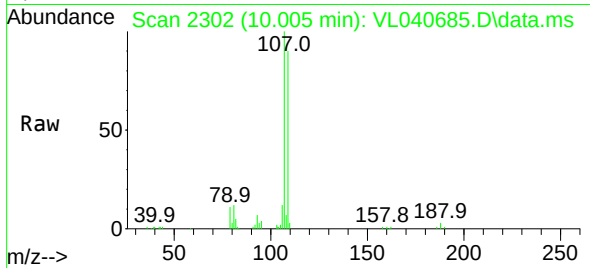




#54
1,2-Dibromoethane
Concen: 1.016 ppbv
RT: 10.005 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL040685.D
Acq: 14 Sep 2023 15:06

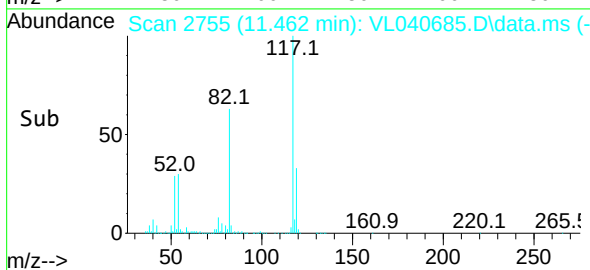
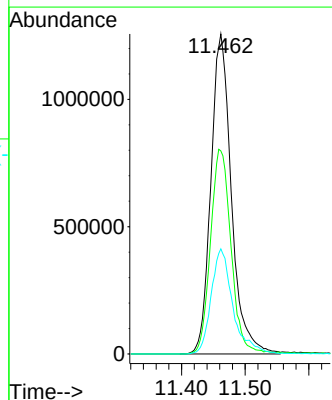
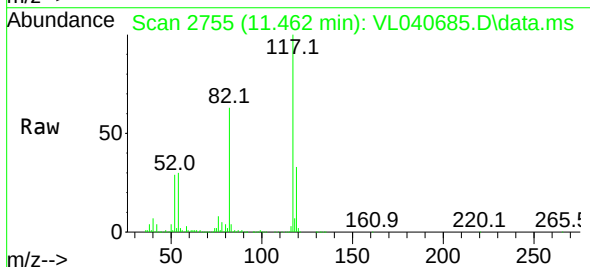
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

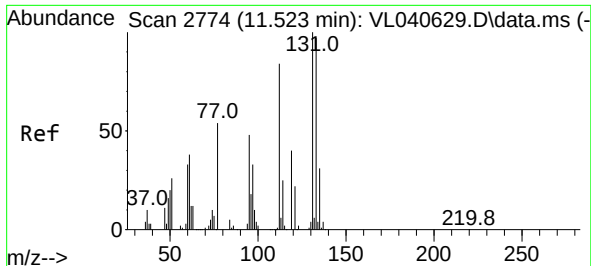
Tgt Ion:107 Resp: 139490
Ion Ratio Lower Upper
107 100
109 89.6 72.4 108.6



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.462 min Scan# 2755
Delta R.T. 0.000 min
Lab File: VL040685.D
Acq: 14 Sep 2023 15:06

Tgt Ion:117 Resp: 2811422
Ion Ratio Lower Upper
117 100
82 64.4 51.4 77.0
119 35.0 24.7 37.1

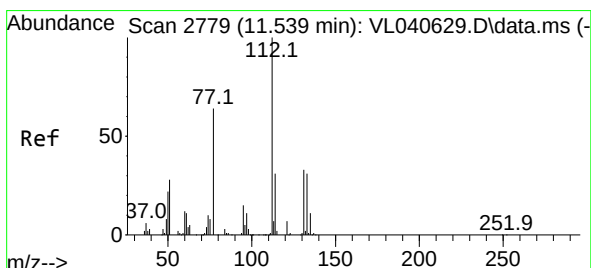
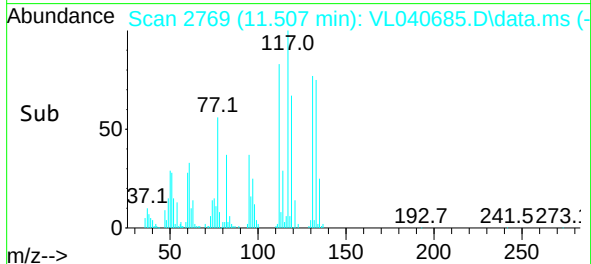
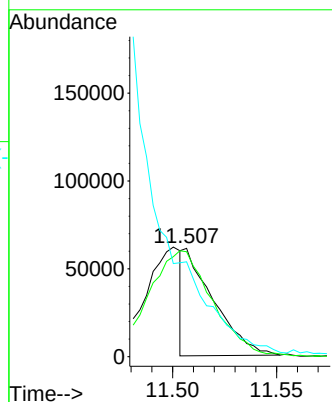
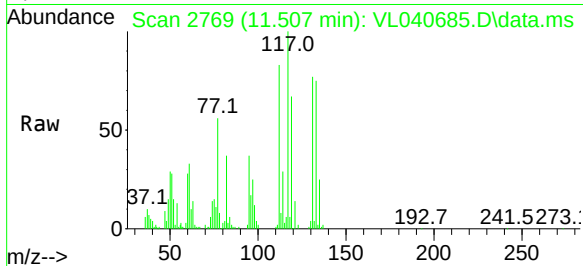




#56
1,1,1,2-Tetrachloroethane
Concen: 0.455 ppbv
RT: 11.507 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL040685.D
Acq: 14 Sep 2023 15:06

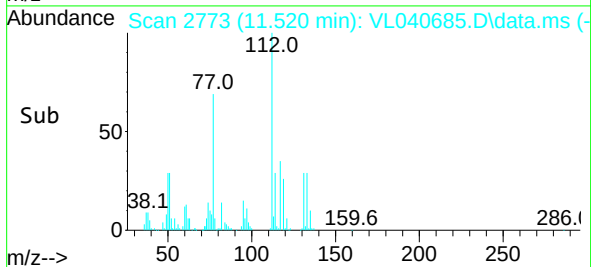
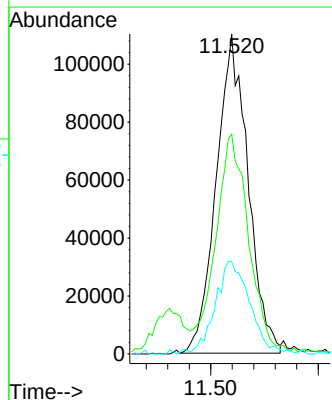
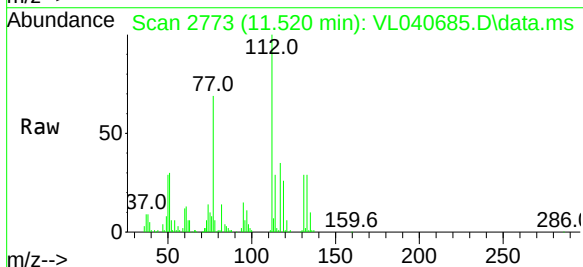
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

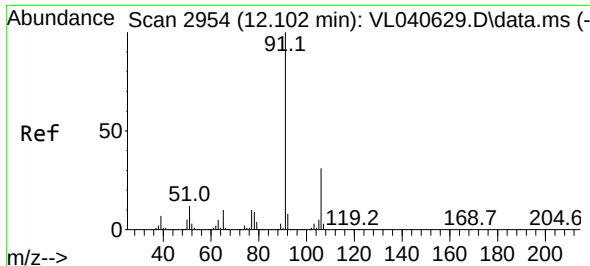
Tgt Ion:131 Resp: 61034
Ion Ratio Lower Upper
131 100
133 0.0 76.2 114.2#
119 0.0 45.5 68.3#



#57
Chlorobenzene
Concen: 1.060 ppbv
RT: 11.520 min Scan# 2773
Delta R.T. -0.003 min
Lab File: VL040685.D
Acq: 14 Sep 2023 15:06

Tgt Ion:112 Resp: 225587
Ion Ratio Lower Upper
112 100
77 66.1 50.8 76.2
114 28.5 28.2 34.4

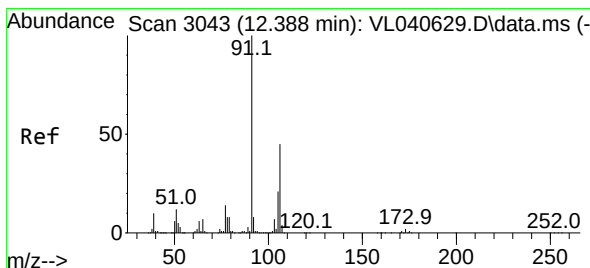
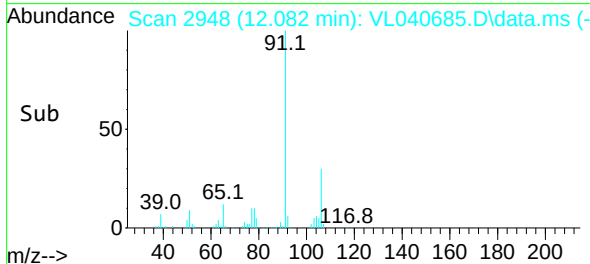
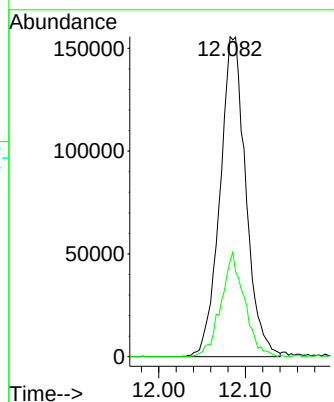
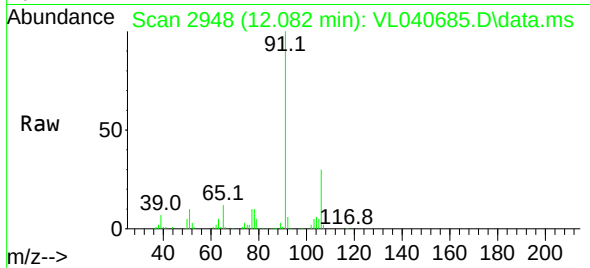




#58
Ethyl Benzene
Concen: 1.006 ppbv
RT: 12.082 min Scan# 2954
Delta R.T. 0.000 min
Lab File: VL040685.D
Acq: 14 Sep 2023 15:06

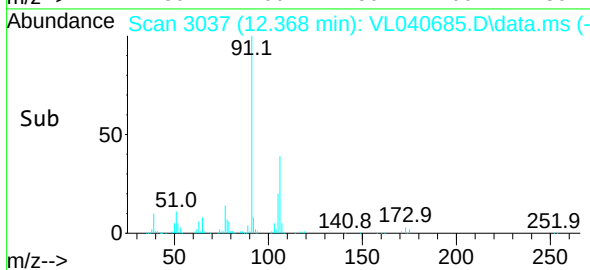
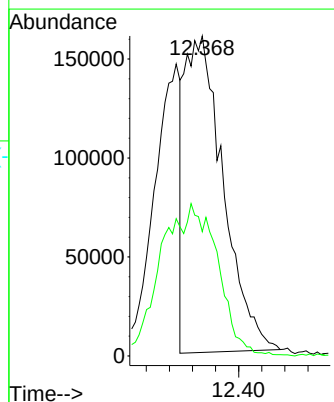
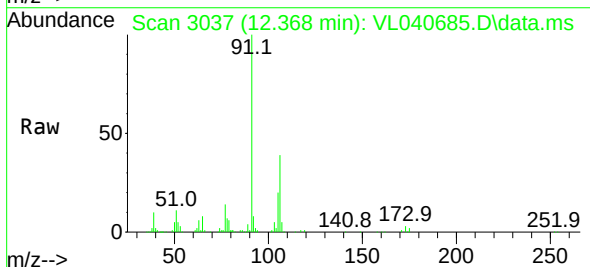
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC001

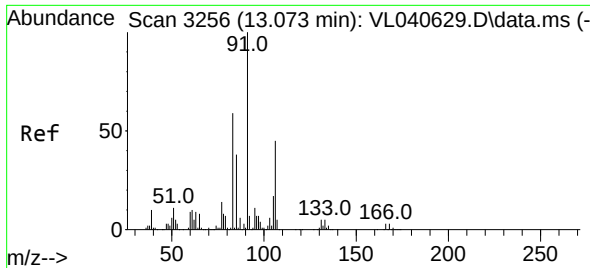
Tgt Ion: 91 Resp: 322318
Ion Ratio Lower Upper
91 100
106 30.0 24.7 37.1



#59
m/p-Xylene
Concen: 1.229 ppbv
RT: 12.368 min Scan# 3037
Delta R.T. 0.000 min
Lab File: VL040685.D
Acq: 14 Sep 2023 15:06

Tgt Ion: 91 Resp: 369843
Ion Ratio Lower Upper
91 100
106 71.3 34.8 52.2#

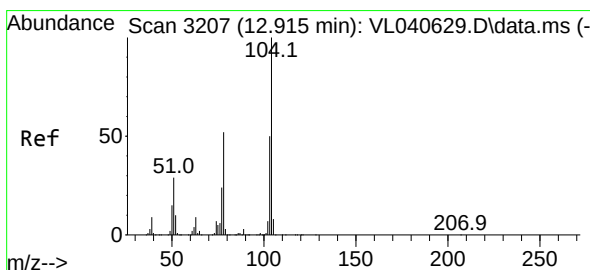
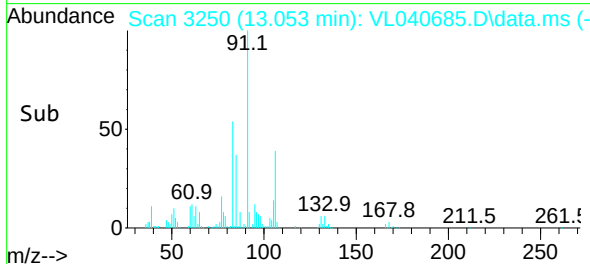
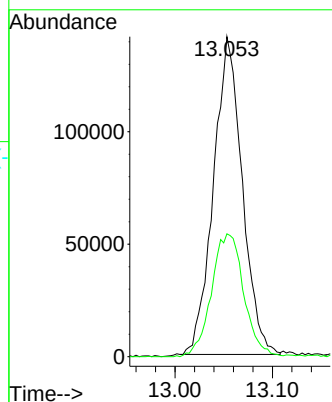
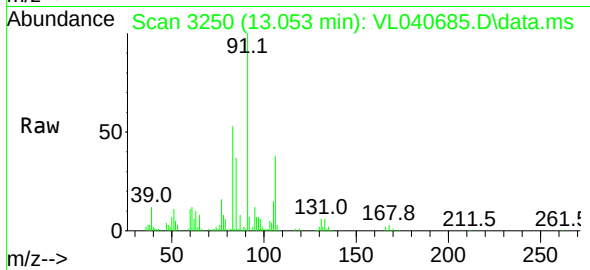




#60
o-Xylene
Concen: 1.012 ppbv
RT: 13.053 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL040685.D
Acq: 14 Sep 2023 15:06

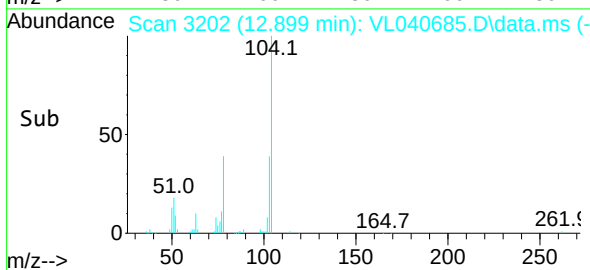
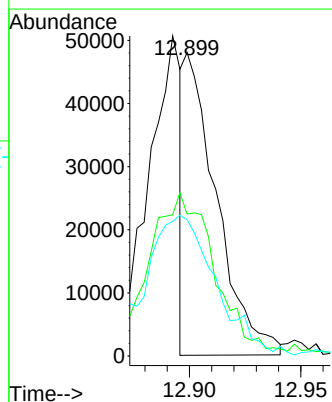
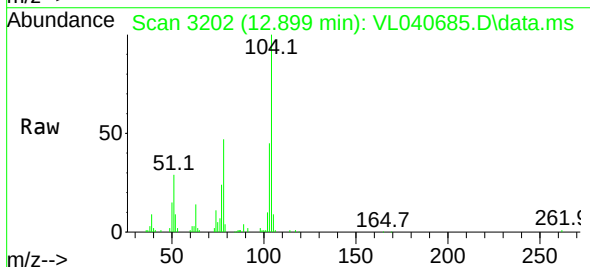
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

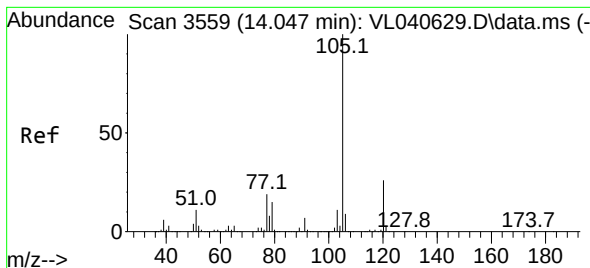
Tgt Ion: 91 Resp: 290384
Ion Ratio Lower Upper
91 100
106 43.5 22.3 66.9



#61
Styrene
Concen: 0.403 ppbv
RT: 12.899 min Scan# 3202
Delta R.T. 0.003 min
Lab File: VL040685.D
Acq: 14 Sep 2023 15:06

Tgt Ion: 104 Resp: 48509
Ion Ratio Lower Upper
104 100
78 117.6 43.4 65.0#
103 101.9 37.2 55.8#





#62

Isopropylbenzene

Concen: 1.046 ppbv

RT: 14.027 min Scan# 31

Delta R.T. 0.003 min

Lab File: VL040685.D

Acq: 14 Sep 2023 15:06

Instrument :

MSVOA_1

ClientSampleId :

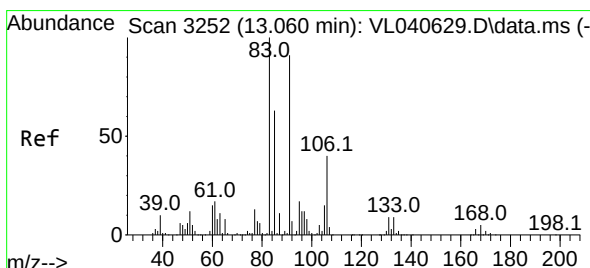
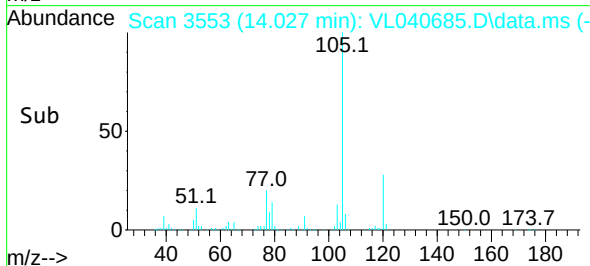
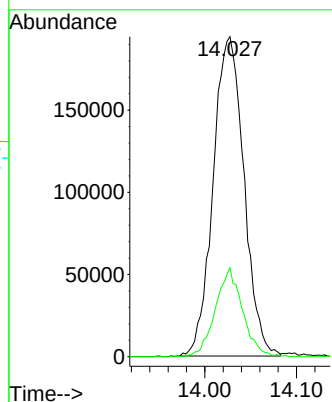
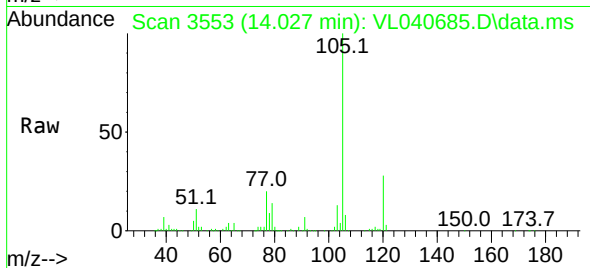
VSTDIC001

Tgt Ion:105 Resp: 453295

Ion Ratio Lower Upper

105 100

120 24.5 20.2 30.4



#63

1,1,2,2-Tetrachloroethane

Concen: 1.045 ppbv

RT: 13.047 min Scan# 3248

Delta R.T. 0.006 min

Lab File: VL040685.D

Acq: 14 Sep 2023 15:06

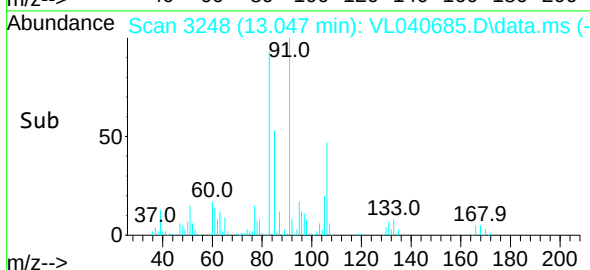
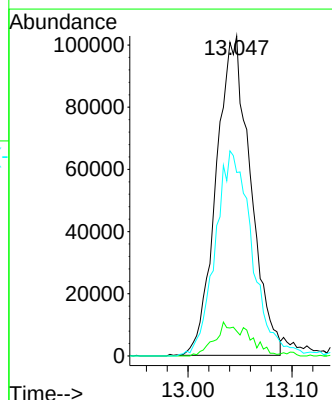
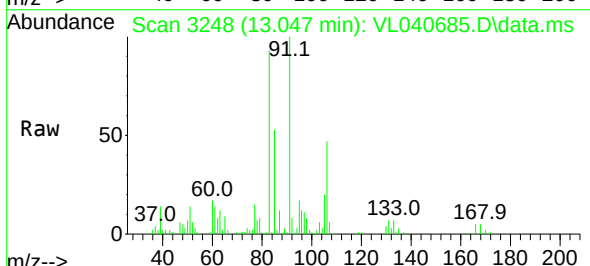
Tgt Ion: 83 Resp: 235025

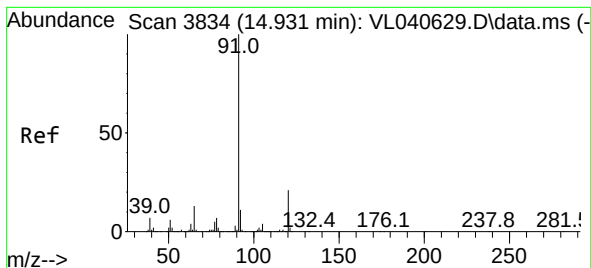
Ion Ratio Lower Upper

83 100

131 10.7 4.7 14.1

85 70.1 33.1 99.3





#64

n-propylbenzene

Concen: 0.578 ppbv

RT: 14.918 min Scan# 3830

Delta R.T. 0.007 min

Lab File: VL040685.D

Acq: 14 Sep 2023 15:06

Instrument :

MSVOA_L

ClientSampleId :

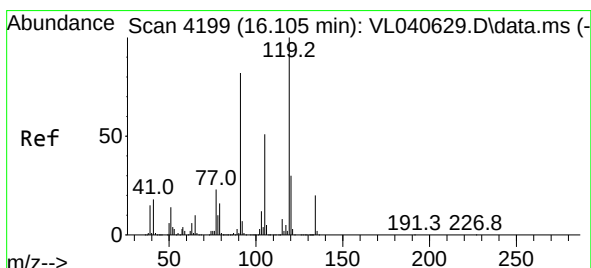
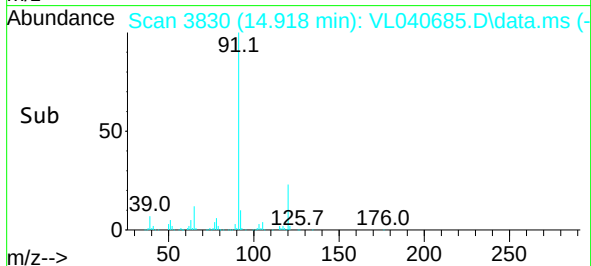
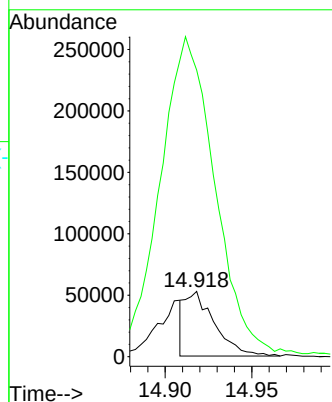
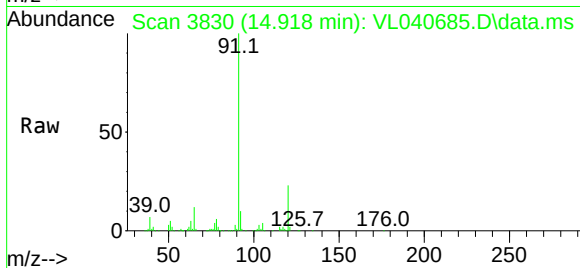
VSTDIC001

Tgt Ion:120 Resp: 62680

Ion Ratio Lower Upper

120 100

91 930.4 386.9 580.3#



#65

tert-Butylbenzene

Concen: 1.044 ppbv

RT: 16.085 min Scan# 4193

Delta R.T. 0.000 min

Lab File: VL040685.D

Acq: 14 Sep 2023 15:06

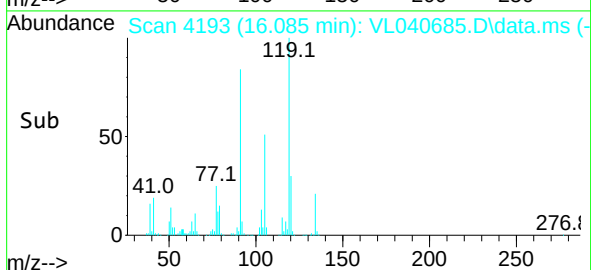
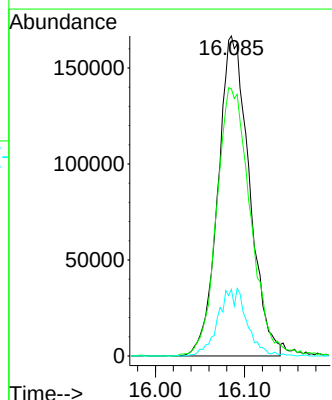
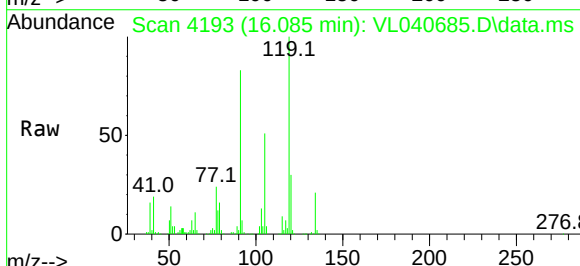
Tgt Ion:119 Resp: 406273

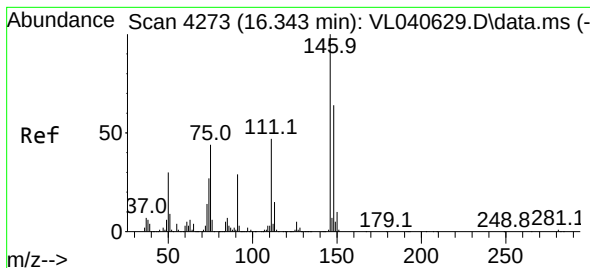
Ion Ratio Lower Upper

119 100

91 91.0 69.8 104.8

134 19.5 15.4 23.2





#66

Benzyl Chloride

Concen: 0.199 ppbv

RT: 16.333 min Scan# 41

Delta R.T. 0.010 min

Lab File: VL040685.D

Acq: 14 Sep 2023 15:06

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

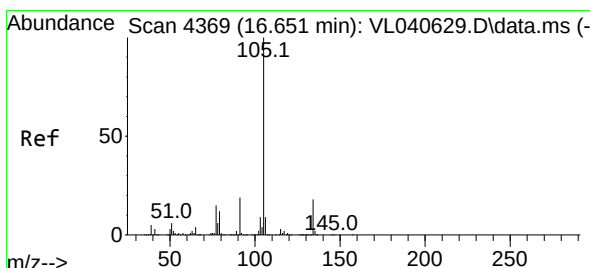
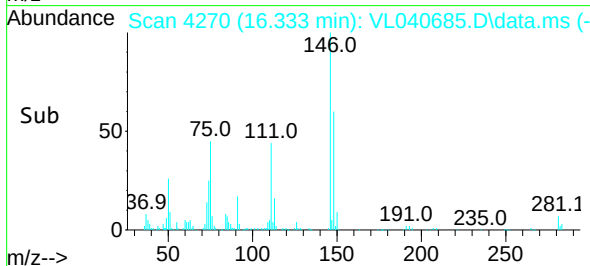
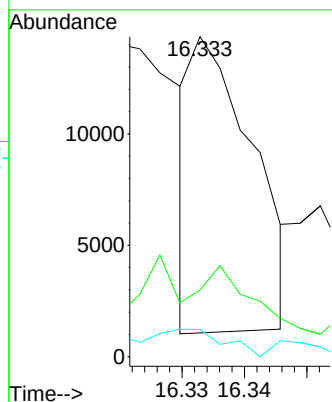
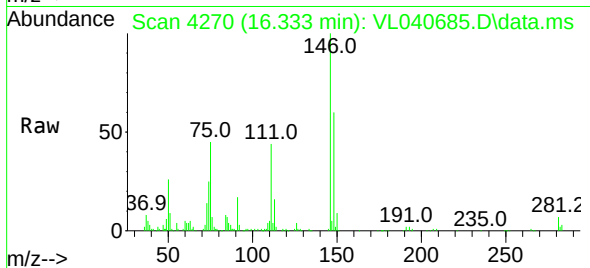
Tgt Ion: 91 Resp: 9047

Ion Ratio Lower Upper

91 100

126 109.4 13.6 20.4#

128 24.7 4.4 6.6#



#67

sec-Butylbenzene

Concen: 1.064 ppbv

RT: 16.629 min Scan# 4362

Delta R.T. -0.003 min

Lab File: VL040685.D

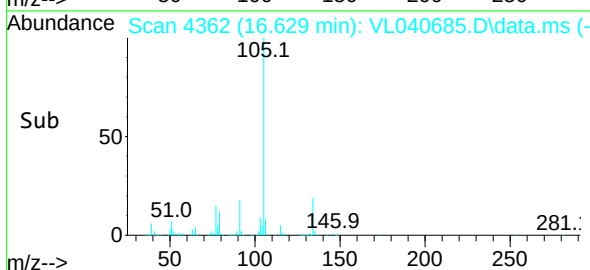
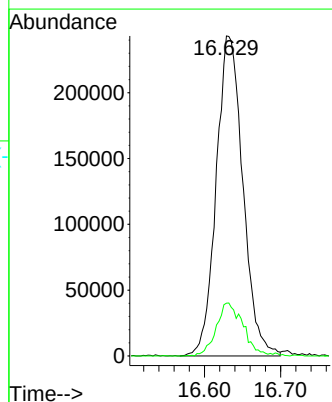
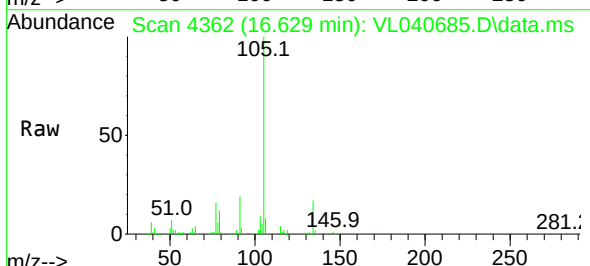
Acq: 14 Sep 2023 15:06

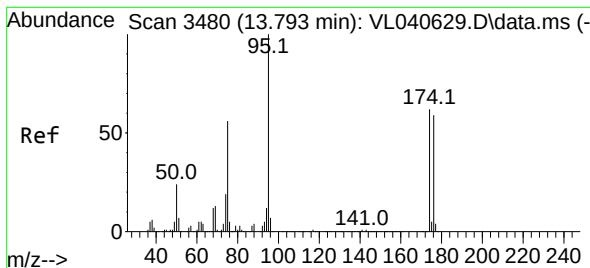
Tgt Ion: 105 Resp: 592434

Ion Ratio Lower Upper

105 100

134 16.9 14.1 21.1

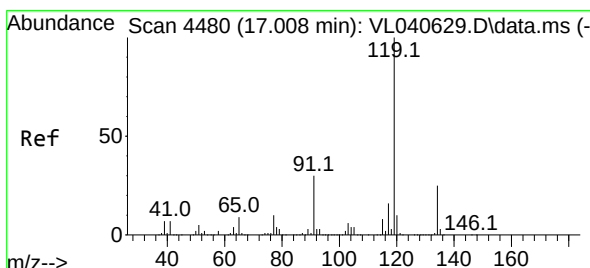
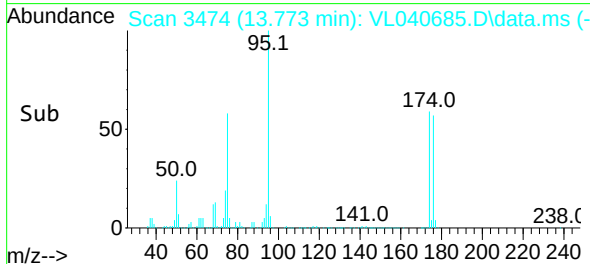
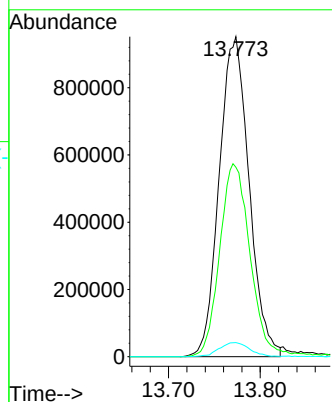
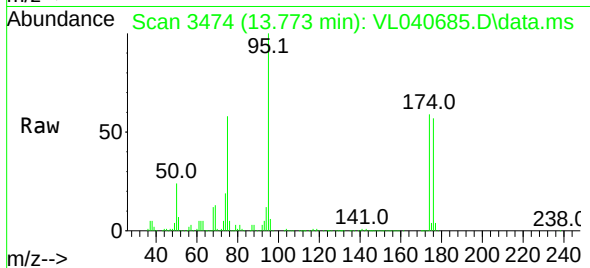




#68
1-Bromo-4-Fluorobenzene
Concen: 9.918 ppbv
RT: 13.773 min Scan# 3480
Delta R.T. 0.003 min
Lab File: VL040685.D
Acq: 14 Sep 2023 15:06

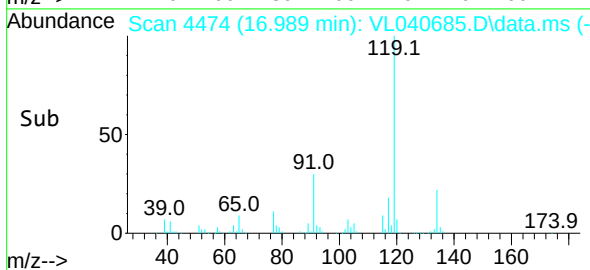
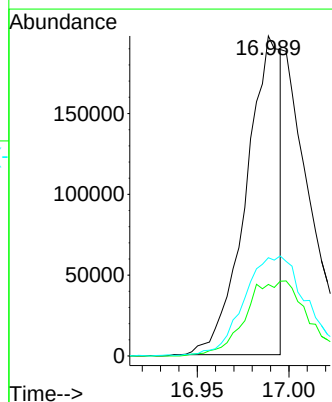
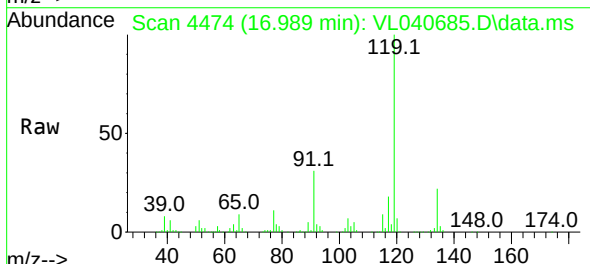
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC001

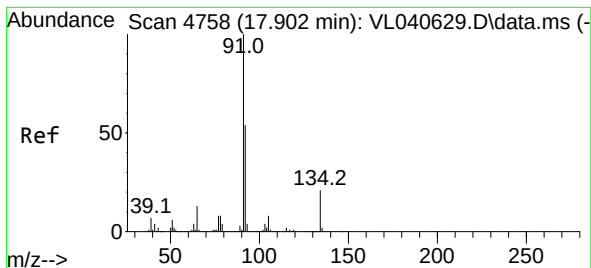
Tgt Ion: 95 Resp: 2154406
Ion Ratio Lower Upper
95 100
174 62.4 48.9 73.3
175 4.6 3.5 5.3



#69
p-Isopropyltoluene
Concen: 0.592 ppbv
RT: 16.989 min Scan# 4474
Delta R.T. -0.003 min
Lab File: VL040685.D
Acq: 14 Sep 2023 15:06

Tgt Ion: 119 Resp: 259011
Ion Ratio Lower Upper
119 100
134 43.7 20.2 30.2#
91 59.5 25.0 37.6#

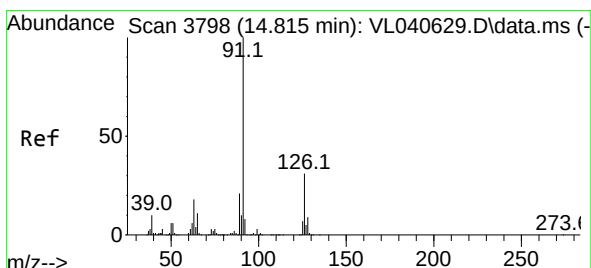
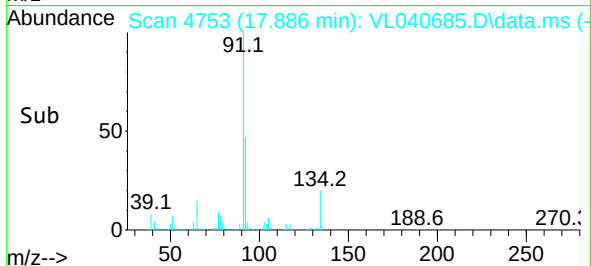
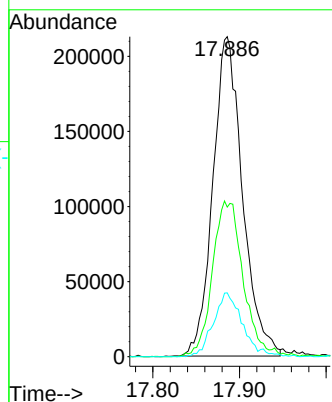
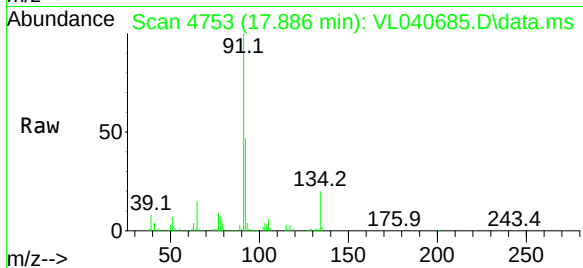




#70
n-Butylbenzene
Concen: 1.050 ppbv
RT: 17.886 min Scan# 4753
Delta R.T. 0.003 min
Lab File: VL040685.D
Acq: 14 Sep 2023 15:06

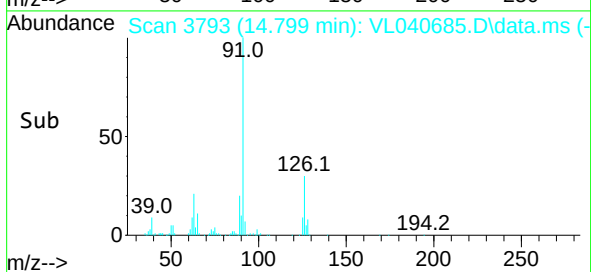
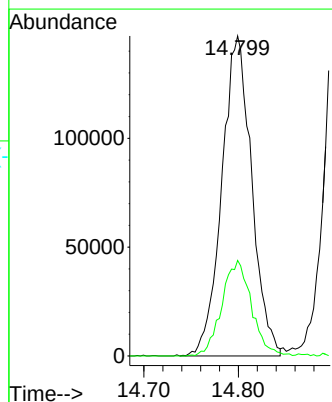
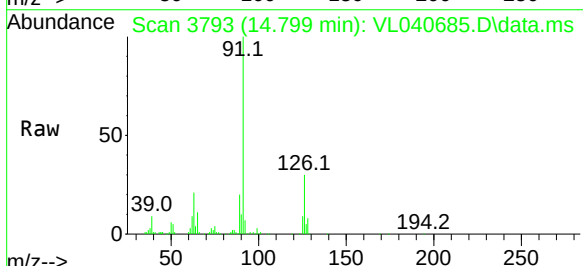
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

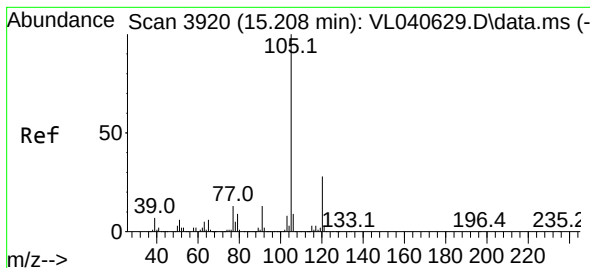
Tgt Ion: 91 Resp: 505656
Ion Ratio Lower Upper
91 100
92 51.2 42.7 64.1
134 19.8 17.0 25.4



#71
2-Chlorotoluene
Concen: 1.004 ppbv
RT: 14.799 min Scan# 3793
Delta R.T. 0.003 min
Lab File: VL040685.D
Acq: 14 Sep 2023 15:06

Tgt Ion: 91 Resp: 322054
Ion Ratio Lower Upper
91 100
126 30.0 12.0 47.8

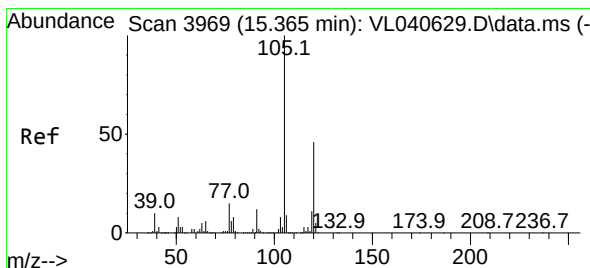
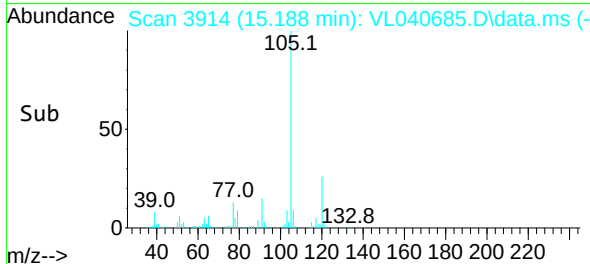
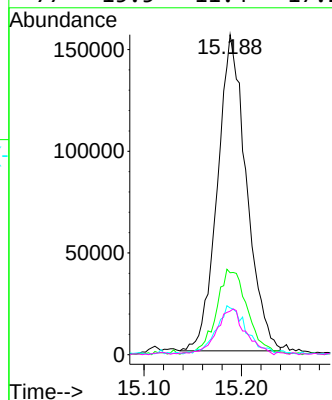
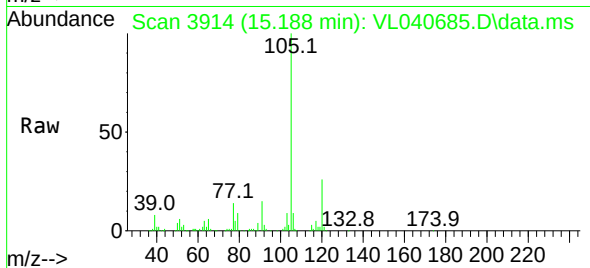




#72
4-Ethyltoluene
Concen: 0.997 ppbv
RT: 15.188 min Scan# 3914
Delta R.T. 0.000 min
Lab File: VL040685.D
Acq: 14 Sep 2023 15:06

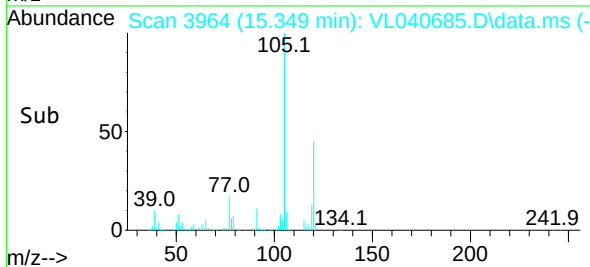
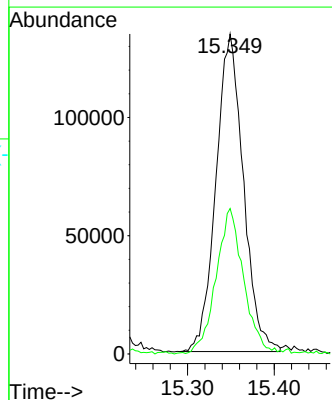
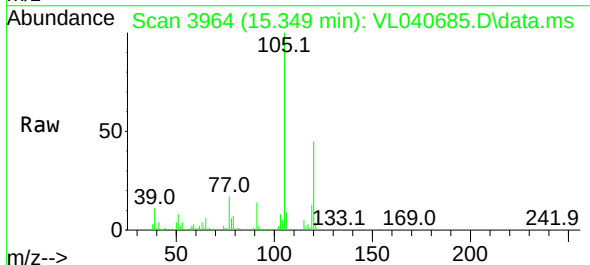
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

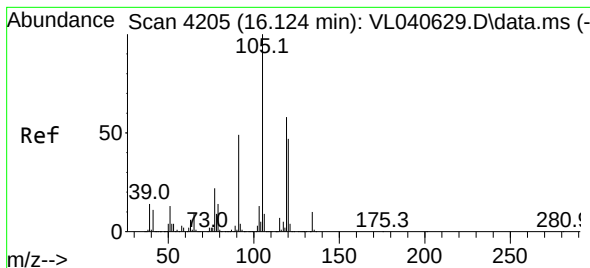
Tgt Ion:105 Resp: 321074
Ion Ratio Lower Upper
105 100
120 29.1 23.9 35.9
91 16.7 11.0 16.4#
77 15.5 11.4 17.2



#73
1,3,5-Trimethylbenzene
Concen: 1.019 ppbv
RT: 15.349 min Scan# 3964
Delta R.T. 0.003 min
Lab File: VL040685.D
Acq: 14 Sep 2023 15:06

Tgt Ion:105 Resp: 295367
Ion Ratio Lower Upper
105 100
120 45.5 36.1 54.1





#74

1,2,4-Trimethylbenzene

Concen: 1.069 ppbv

RT: 16.105 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL040685.D

Acq: 14 Sep 2023 15:06

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion:105 Resp: 377775

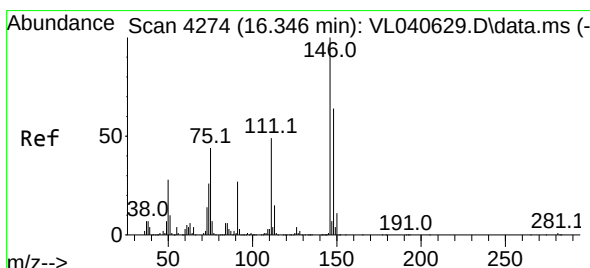
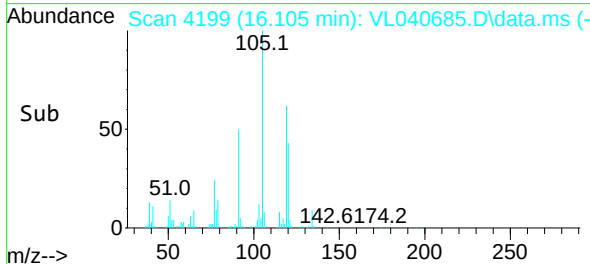
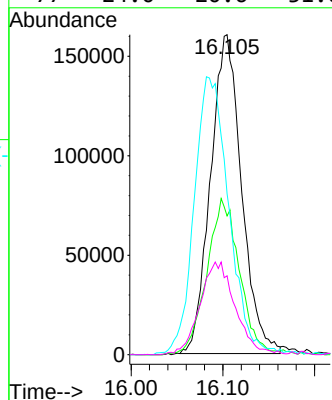
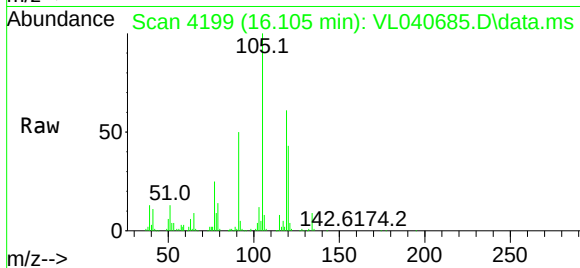
Ion Ratio Lower Upper

105 100

120 42.3 38.6 57.8

91 48.7 50.0 75.0#

77 24.0 20.6 31.0



#75

1,3-Dichlorobenzene

Concen: 1.059 ppbv

RT: 16.326 min Scan# 4268

Delta R.T. 0.000 min

Lab File: VL040685.D

Acq: 14 Sep 2023 15:06

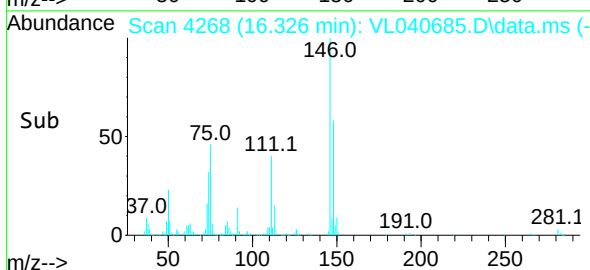
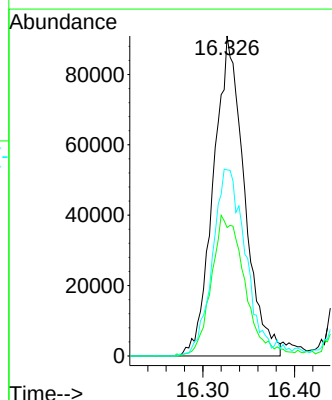
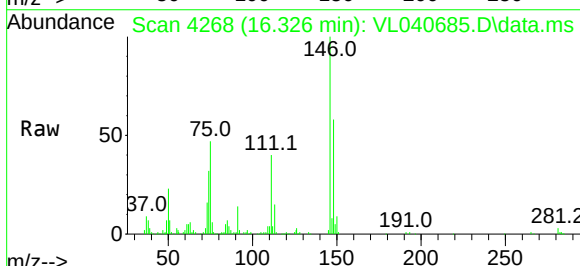
Tgt Ion:146 Resp: 213176

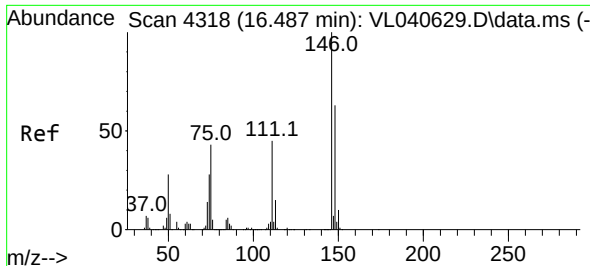
Ion Ratio Lower Upper

146 100

111 47.4 23.9 71.7

148 64.0 31.8 95.4

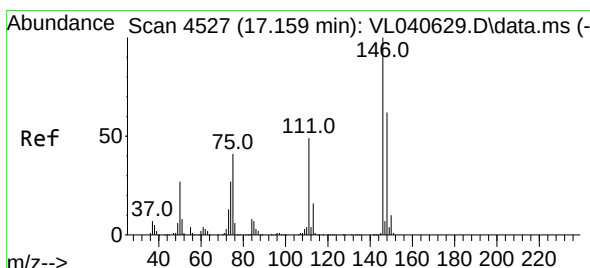
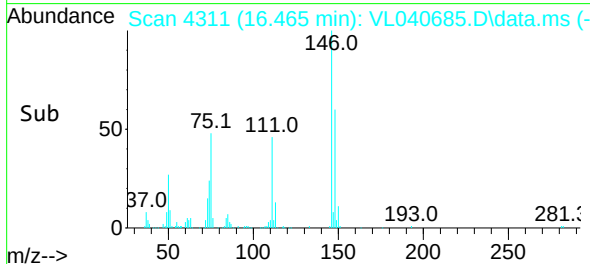
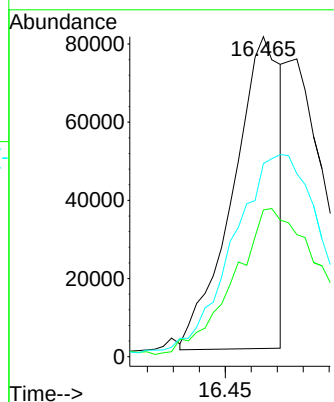
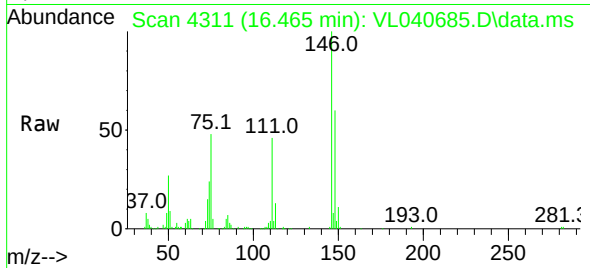




#76
1,4-Dichlorobenzene
Concen: 0.511 ppbv
RT: 16.465 min Scan# 411
Delta R.T. -0.003 min
Lab File: VL040685.D
Acq: 14 Sep 2023 15:06

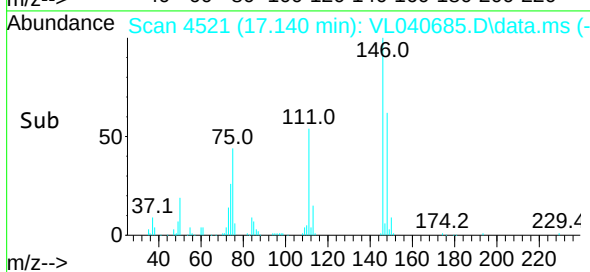
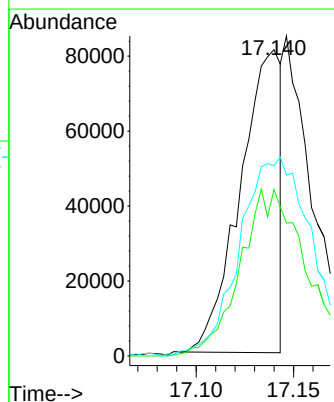
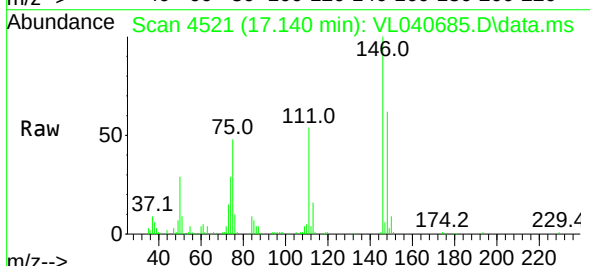
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

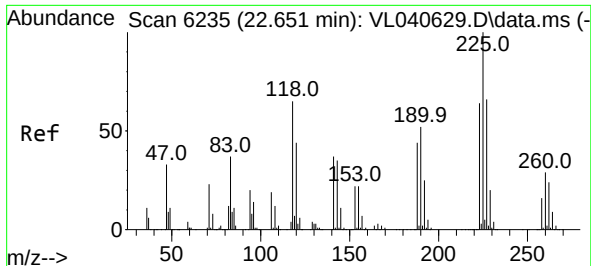
Tgt Ion:146 Resp: 101124
Ion Ratio Lower Upper
146 100
111 94.9 23.8 71.2#
148 135.4 32.6 97.7#



#77
1,2-Dichlorobenzene
Concen: 0.587 ppbv
RT: 17.140 min Scan# 4521
Delta R.T. 0.000 min
Lab File: VL040685.D
Acq: 14 Sep 2023 15:06

Tgt Ion:146 Resp: 117637
Ion Ratio Lower Upper
146 100
111 93.4 25.0 75.0#
148 0.0 32.4 97.0#

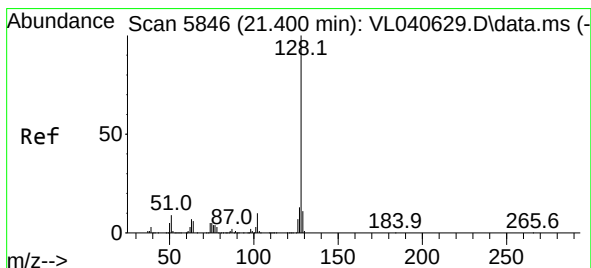
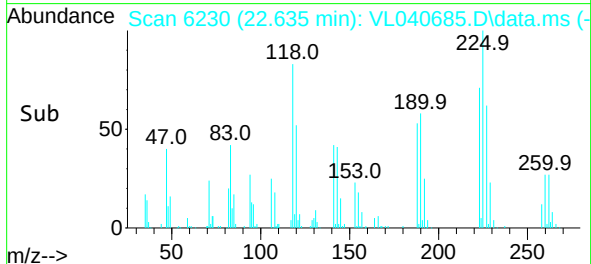
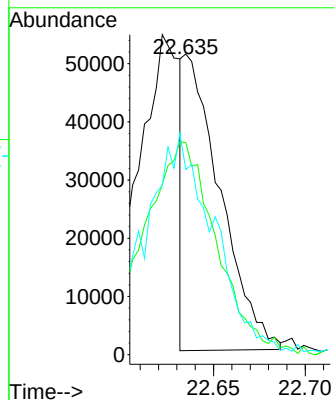
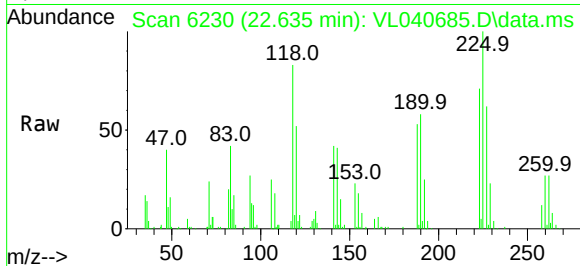




#78
Hexachloro-1,3-Butadiene
Concen: 0.465 ppbv
RT: 22.635 min Scan# 61
Delta R.T. 0.006 min
Lab File: VL040685.D
Acq: 14 Sep 2023 15:06

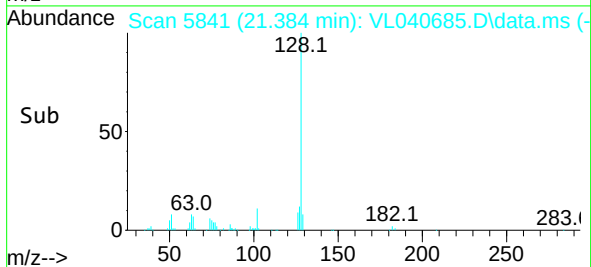
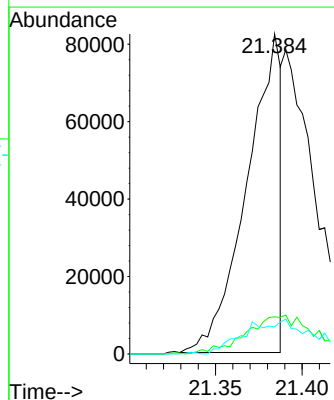
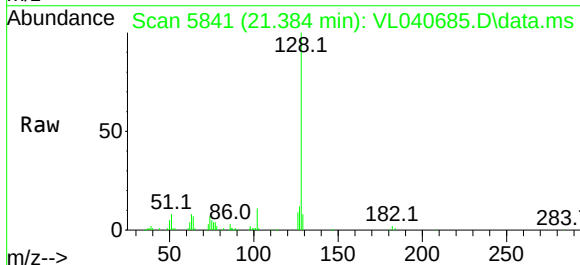
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

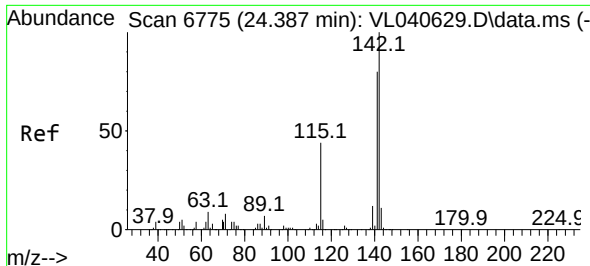
Tgt Ion:225 Resp: 70490
Ion Ratio Lower Upper
225 100
223 151.9 51.2 76.8#
227 148.1 50.7 76.1#



#79
Naphthalene
Concen: 0.512 ppbv
RT: 21.384 min Scan# 5841
Delta R.T. 0.006 min
Lab File: VL040685.D
Acq: 14 Sep 2023 15:06

Tgt Ion:128 Resp: 112506
Ion Ratio Lower Upper
128 100
127 11.4 9.8 14.6
129 8.5 8.4 12.6

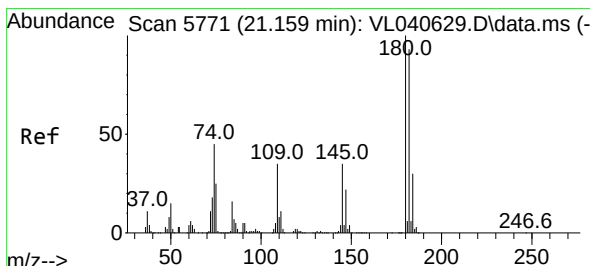
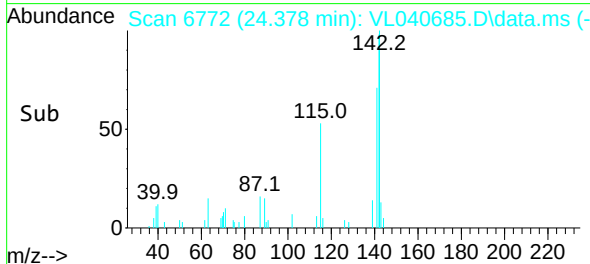
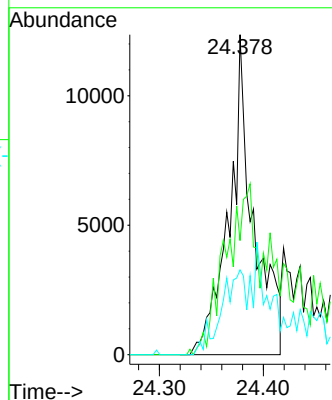
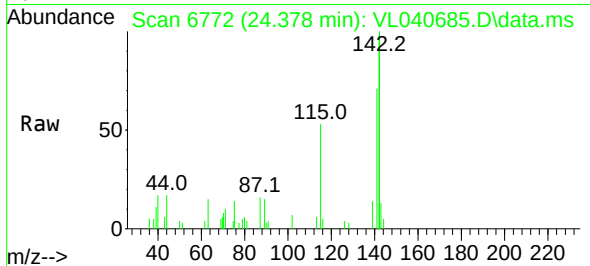




#80
Naphthalene, 2-methyl-
Concen: 0.372 ppbv
RT: 24.378 min Scan# 61
Delta R.T. 0.003 min
Lab File: VL040685.D
Acq: 14 Sep 2023 15:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion:142 Resp: 20051
Ion Ratio Lower Upper
142 100
141 93.9 67.0 100.6
115 49.0 37.4 56.2



#81
1,2,4-Trichlorobenzene
Concen: 0.401 ppbv
RT: 21.133 min Scan# 5763
Delta R.T. -0.003 min
Lab File: VL040685.D
Acq: 14 Sep 2023 15:06

Tgt Ion:180 Resp: 57627
Ion Ratio Lower Upper
180 100
182 0.0 77.9 116.9#
184 68.0 24.4 36.6#

