

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081523\
 Data File : VL040631.D
 Acq On : 15 Aug 2023 11:37
 Operator : SY/MD
 Sample : VSTDICC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

Quant Time: Aug 16 04:47:24 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081523AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Aug 16 04:44:10 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.192	49	1056177	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.655	114	2884215	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.474	117	2579190	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.783	95	2026150	9.878	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.800%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.722	85	244555	1.075	ppbv	93
3) Chlorodifluoromethane	2.668	51	185570	1.070	ppbv	98
4) Chloromethane	2.806	50	68070	1.006	ppbv	93
5) Vinyl Chloride	2.912	62	77295	1.076	ppbv	99
6) Bromomethane	3.111	94	37626	0.994	ppbv	97
7) Chloroethane	3.192	64	27216	1.039	ppbv #	81
8) Dichlorotetrafluoroethane	2.848	85	200673	1.090	ppbv	99
9) Propene	2.684	41	55523	1.033	ppbv	99
10) Heptane	7.587	43	122673	0.991	ppbv	95
11) Trichlorofluoromethane	3.558	101	193892	1.056	ppbv	94
12) 1,1,2-Trichlorotrifluo...	4.063	101	146011	1.083	ppbv	99
13) Ethanol	3.253	45	16952	1.315	ppbv	89
14) Bromoethene	3.362	108	57107	1.032	ppbv	96
15) Acetone	3.471	43	130011	1.006	ppbv	91
16) 1,3-Butadiene	2.976	39	64939	1.011	ppbv	97
17) tert-Butyl alcohol	3.883	59	142052	1.037	ppbv	99
18) 1,1-Dichloroethene	3.877	96	63414	1.027	ppbv	93
19) Isopropyl Alcohol	3.587	45	81791	0.999	ppbv #	94
20) Methylene Chloride	3.931	84	74971	1.188	ppbv	91
21) Allyl Chloride	3.996	41	86409	1.011	ppbv	92
22) trans-1,2-Dichloroethene	4.446	96	59254	0.977	ppbv	100
23) Vinyl Acetate	4.626	43	130393	0.924	ppbv #	96
24) 1,1-Dichloroethane	4.561	63	136937	1.088	ppbv	99
25) Ethyl Acetate	5.211	43	259509	1.070	ppbv	99
26) Hexane	5.211	57	125194	1.066	ppbv	96
27) Carbon Disulfide	4.121	76	139737	1.000	ppbv #	92
28) Methyl tert-Butyl Ether	4.594	73	90838	1.001	ppbv	97
29) Chloroform	5.272	83	198336	1.067	ppbv	97
30) Cyclohexane	6.610	84	90872	1.056	ppbv	91
31) cis-1,2-Dichloroethene	5.079	61	106632	1.007	ppbv	85
32) 1,1,1-Trichloroethane	6.002	97	185675	1.041	ppbv	99
34) 2-Butanone	4.793	43	146133	1.005	ppbv	98
35) Carbon Tetrachloride	6.497	117	187474	1.037	ppbv	95
36) Benzene	6.375	78	222446	0.969	ppbv #	93
37) 1,2-Dichloroethane	5.806	62	139373	1.007	ppbv	100
38) Trichloroethene	7.298	130	53972	0.605	ppbv	95
39) 1,2-Dichloropropane	7.076	63	88683	1.016	ppbv	92
40) 1,4-Dioxane	7.275	88	173	0.005	ppbv #	1
41) Tetrahydrofuran	5.577	42	80759	0.987	ppbv	98
42) Bromodichloromethane	7.249	83	186687	0.969	ppbv	95
43) Methyl Methacrylate	7.487	69	83978	0.978	ppbv	98
44) 2,2,4-Trimethylpentane	7.330	57	370139	0.998	ppbv	97
45) t-1,3-Dichloropropene	8.719	75	38689	0.571	ppbv	99

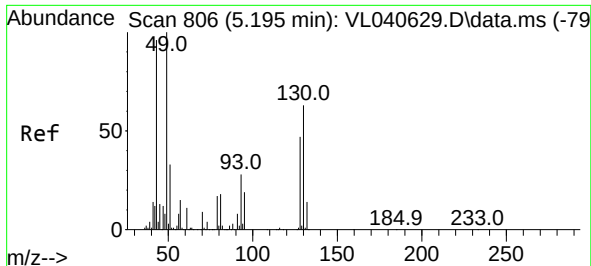
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081523\
 Data File : VL040631.D
 Acq On : 15 Aug 2023 11:37
 Operator : SY/MD
 Sample : VSTDICC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

Quant Time: Aug 16 04:47:24 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081523AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Aug 16 04:44:10 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.147	75	50846	0.609	ppbv	99
47) 1,1,2-Trichloroethane	8.902	97	99820	1.012	ppbv	95
48) Dibromochloromethane	9.719	129	148392	0.961	ppbv	99
49) Bromoform	12.410	173	107778	0.874	ppbv	97
50) 4-Methyl-2-Pentanone	8.201	43	205184	0.964	ppbv	100
51) 2-Hexanone	9.568	43	63310	0.424	ppbv #	29
52) Tetrachloroethene	10.626	164	55359	0.770	ppbv	92
53) Toluene	9.227	91	231251	0.948	ppbv	100
54) 1,2-Dibromoethane	10.015	107	127537	1.077	ppbv	91
56) 1,1,1,2-Tetrachloroethane	11.516	131	122129	1.023	ppbv #	1
57) Chlorobenzene	11.532	112	203131	1.020	ppbv #	91
58) Ethyl Benzene	12.098	91	301417	0.969	ppbv	93
59) m/p-Xylene	12.378	91	230141	0.812	ppbv #	3
60) o-Xylene	13.066	91	269200	1.001	ppbv	100
61) Styrene	12.905	104	103846	0.882	ppbv	95
62) Isopropylbenzene	14.037	105	408161	1.003	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.056	83	215885	1.059	ppbv	99
64) n-propylbenzene	14.924	120	102424	0.996	ppbv	89
65) tert-Butylbenzene	16.098	119	357625	1.014	ppbv	96
66) Benzyl Chloride	16.329	91	14421	0.328	ppbv #	60
67) sec-Butylbenzene	16.641	105	524813	1.020	ppbv	98
69) p-Isopropyltoluene	17.008	119	404994	1.006	ppbv	98
70) n-Butylbenzene	17.895	91	448062	1.019	ppbv	97
71) 2-Chlorotoluene	14.809	91	300354	0.995	ppbv	98
72) 4-Ethyltoluene	15.198	105	296109	0.975	ppbv	98
73) 1,3,5-Trimethylbenzene	15.358	105	266462	0.984	ppbv	94
74) 1,2,4-Trimethylbenzene	16.117	105	322400	1.017	ppbv	98
75) 1,3-Dichlorobenzene	16.339	146	176217	0.963	ppbv	94
76) 1,4-Dichlorobenzene	16.484	146	168916	0.924	ppbv	94
77) 1,2-Dichlorobenzene	17.153	146	181604	1.010	ppbv	98
78) Hexachloro-1,3-Butadiene	22.635	225	59786	0.437	ppbv #	18
79) Naphthalene	21.397	128	201819	0.952	ppbv	98
80) Naphthalene,2-methyl-	24.390	142	31985	0.565	ppbv	97
81) 1,2,4-Trichlorobenzene	21.156	180	98897	0.718	ppbv #	70

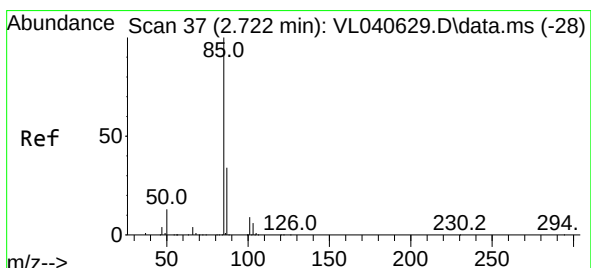
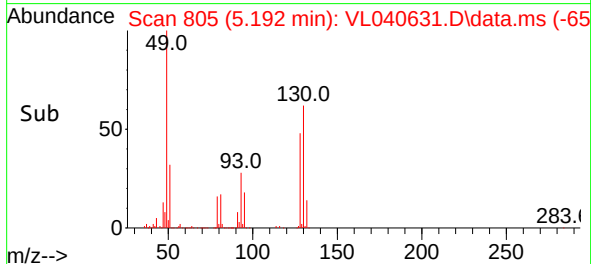
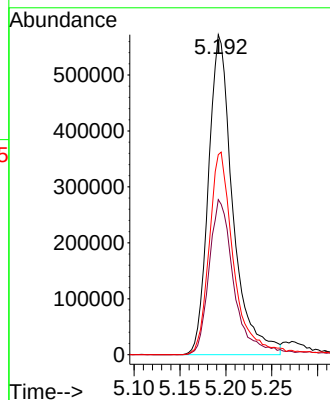
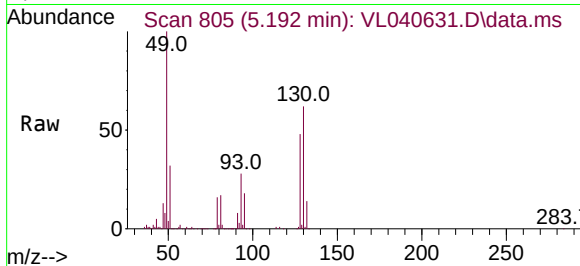
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.192 min Scan# 806
Delta R.T. -0.003 min
Lab File: VL040631.D
Acq: 15 Aug 2023 11:37

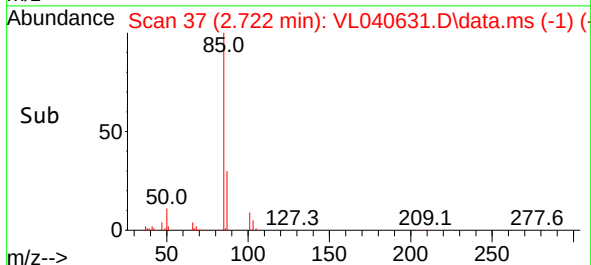
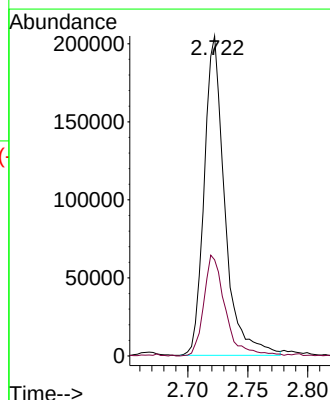
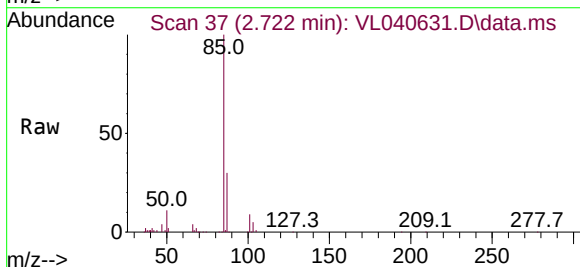
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

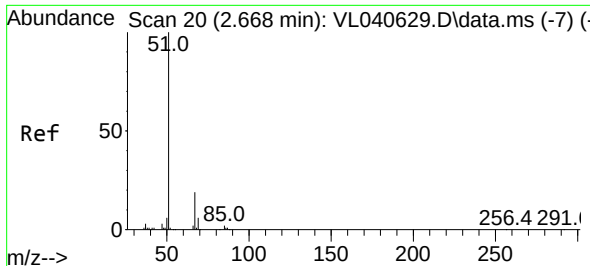
Tgt Ion: 49 Resp: 1056177
Ion Ratio Lower Upper
49 100
128 51.2 24.9 74.7
130 64.9 32.2 96.6



#2
Dichlorodifluoromethane
Concen: 1.075 ppbv
RT: 2.722 min Scan# 37
Delta R.T. -0.000 min
Lab File: VL040631.D
Acq: 15 Aug 2023 11:37

Tgt Ion: 85 Resp: 244555
Ion Ratio Lower Upper
85 100
87 30.1 27.5 41.3

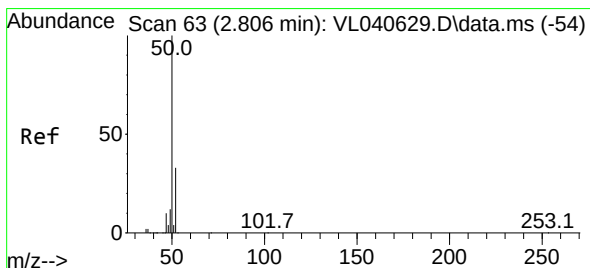
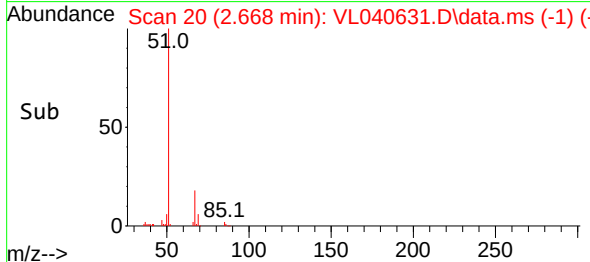
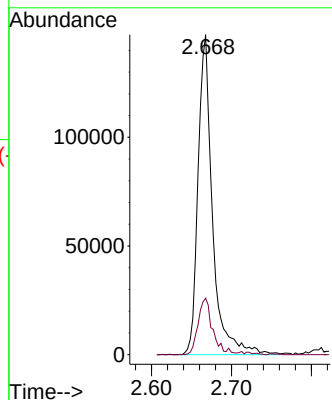
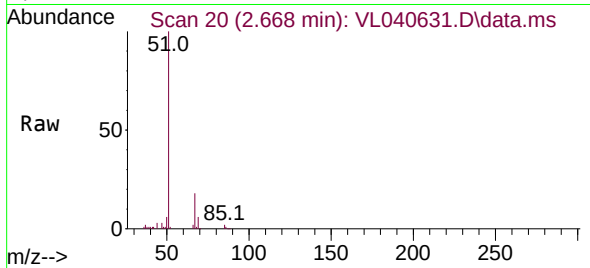




#3
Chlorodifluoromethane
Concen: 1.070 ppbv
RT: 2.668 min Scan# 20
Delta R.T. -0.000 min
Lab File: VL040631.D
Acq: 15 Aug 2023 11:37

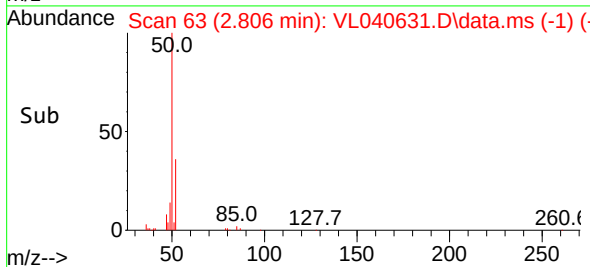
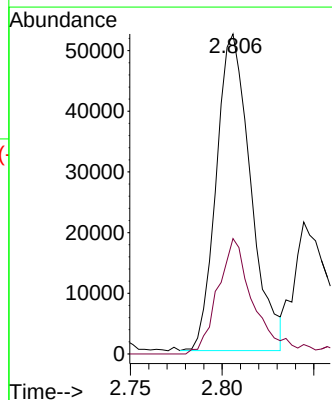
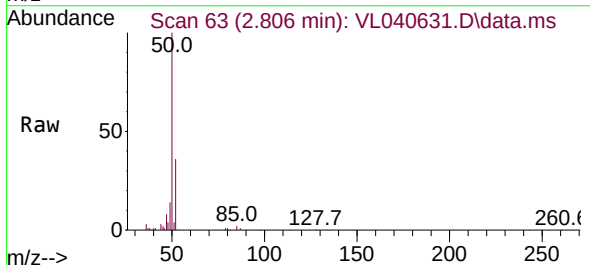
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

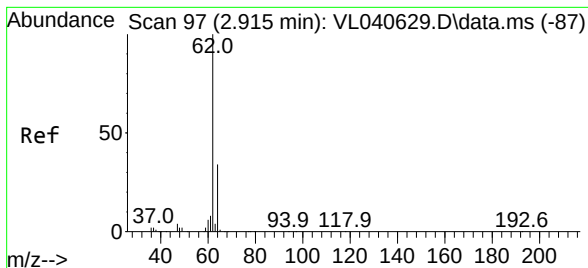
Tgt Ion: 51 Resp: 185570
Ion Ratio Lower Upper
51 100
67 17.7 15.0 22.6



#4
Chloromethane
Concen: 1.006 ppbv
RT: 2.806 min Scan# 63
Delta R.T. -0.000 min
Lab File: VL040631.D
Acq: 15 Aug 2023 11:37

Tgt Ion: 50 Resp: 68070
Ion Ratio Lower Upper
50 100
52 36.4 26.2 39.2

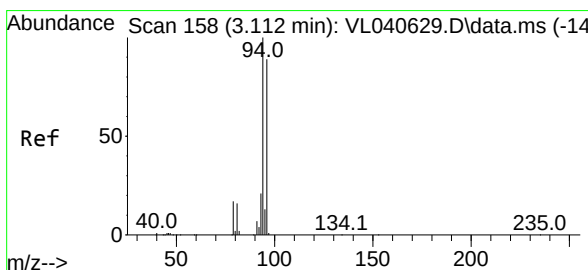
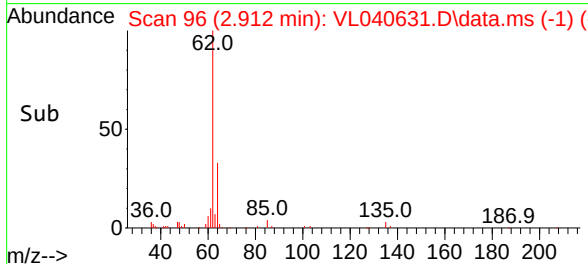
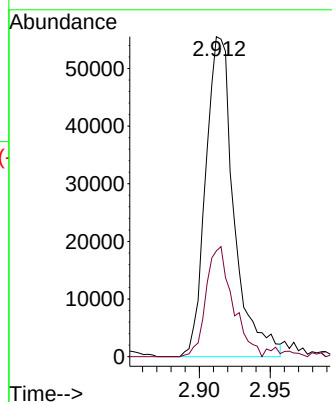
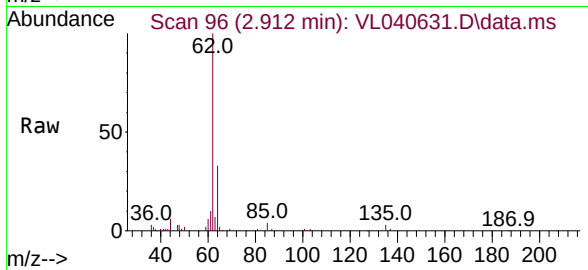




#5
 Vinyl Chloride
 Concen: 1.076 ppbv
 RT: 2.912 min Scan# 90
 Delta R.T. -0.003 min
 Lab File: VL040631.D
 Acq: 15 Aug 2023 11:37

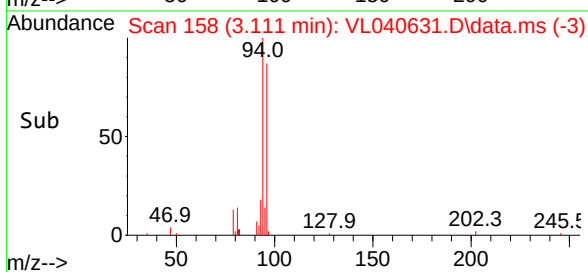
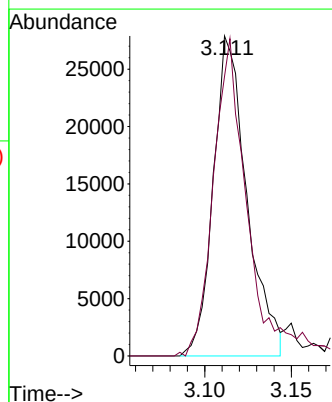
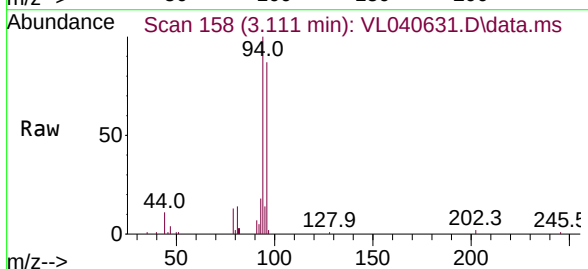
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

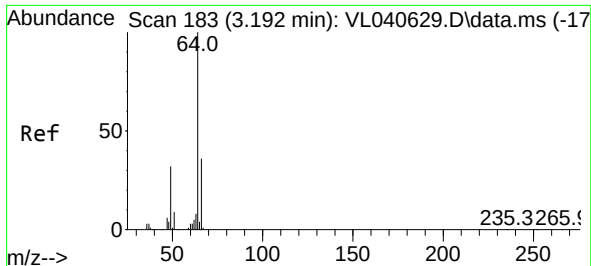
Tgt Ion: 62 Resp: 77295
 Ion Ratio Lower Upper
 62 100
 64 33.0 27.0 40.6



#6
 Bromomethane
 Concen: 0.994 ppbv
 RT: 3.111 min Scan# 158
 Delta R.T. -0.000 min
 Lab File: VL040631.D
 Acq: 15 Aug 2023 11:37

Tgt Ion: 94 Resp: 37626
 Ion Ratio Lower Upper
 94 100
 96 86.2 71.5 107.3

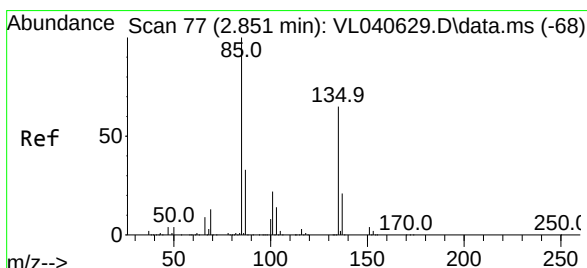
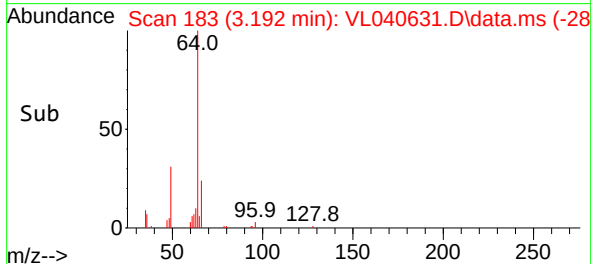
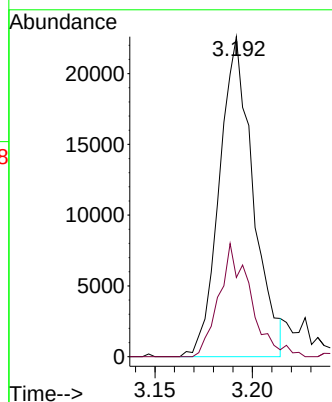
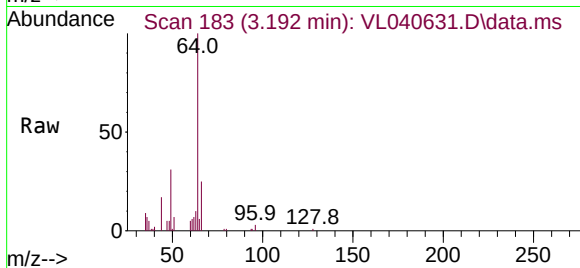




#7
Chloroethane
Concen: 1.039 ppbv
RT: 3.192 min Scan# 11
Delta R.T. -0.000 min
Lab File: VL040631.D
Acq: 15 Aug 2023 11:37

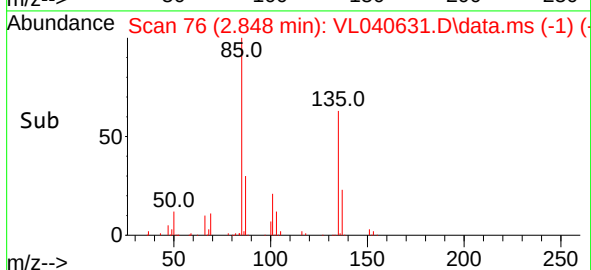
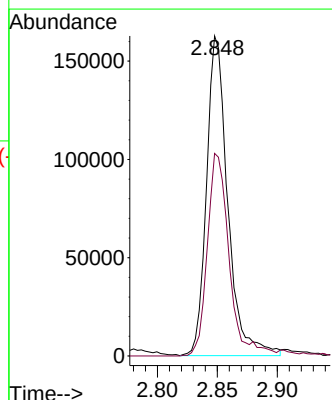
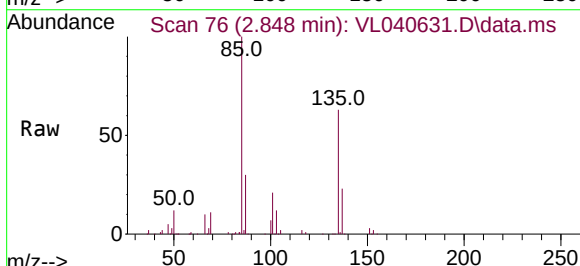
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

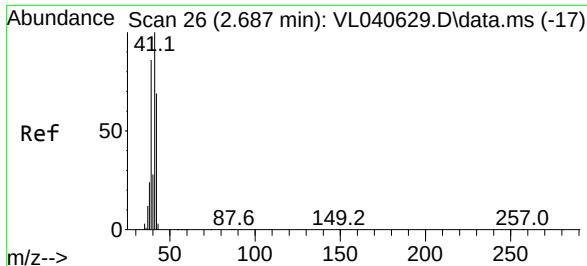
Tgt Ion: 64 Resp: 27216
Ion Ratio Lower Upper
64 100
66 24.7 28.7 43.1#



#8
Dichlorotetrafluoroethane
Concen: 1.090 ppbv
RT: 2.848 min Scan# 76
Delta R.T. -0.003 min
Lab File: VL040631.D
Acq: 15 Aug 2023 11:37

Tgt Ion: 85 Resp: 200673
Ion Ratio Lower Upper
85 100
135 67.2 52.8 79.2

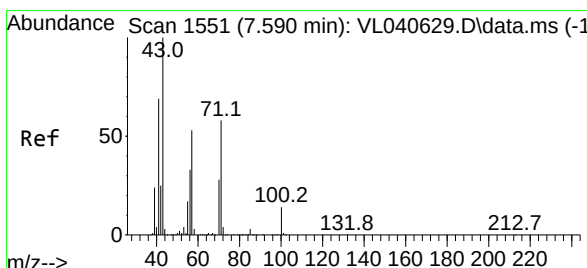
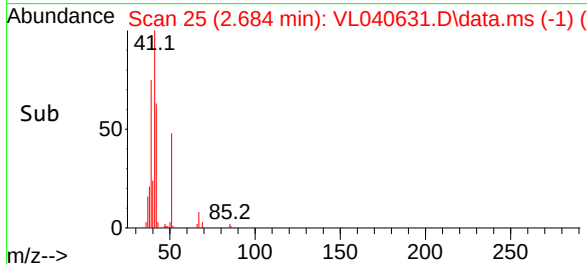
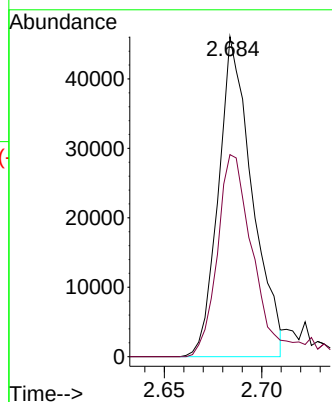
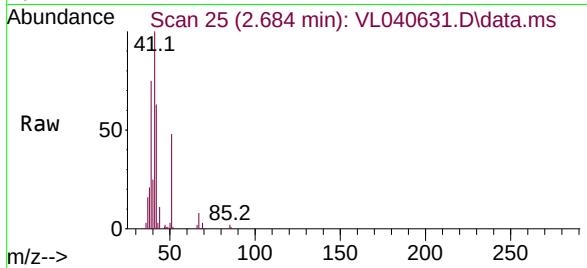




#9
 Propene
 Concen: 1.033 ppbv
 RT: 2.684 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: VL040631.D
 Acq: 15 Aug 2023 11:37

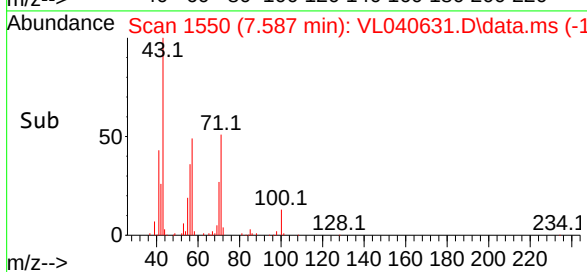
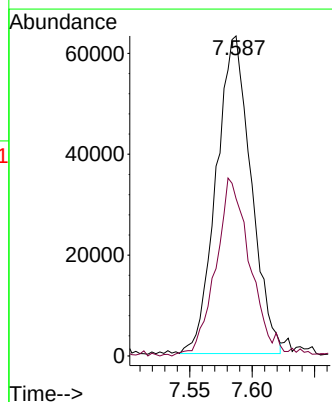
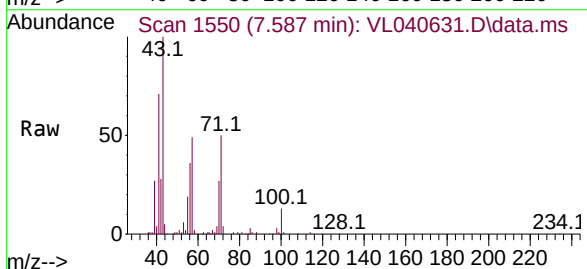
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC001

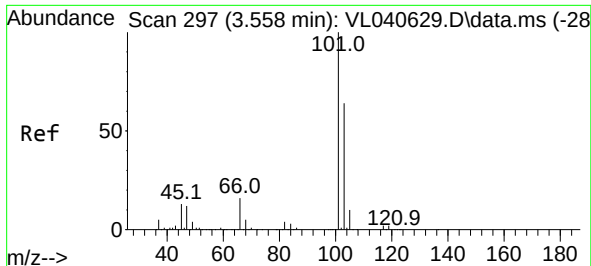
Tgt Ion: 41 Resp: 55523
 Ion Ratio Lower Upper
 41 100
 42 71.8 56.5 84.7



#10
 Heptane
 Concen: 0.991 ppbv
 RT: 7.587 min Scan# 1550
 Delta R.T. -0.003 min
 Lab File: VL040631.D
 Acq: 15 Aug 2023 11:37

Tgt Ion: 43 Resp: 122673
 Ion Ratio Lower Upper
 43 100
 57 56.8 42.5 63.7

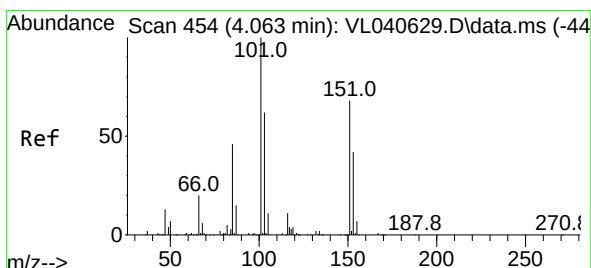
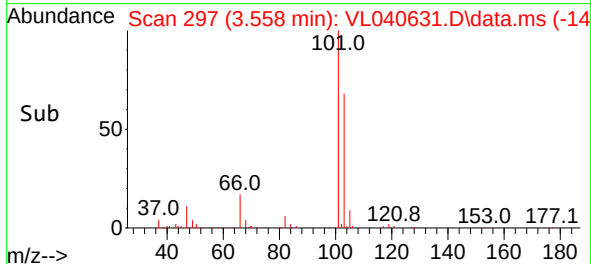
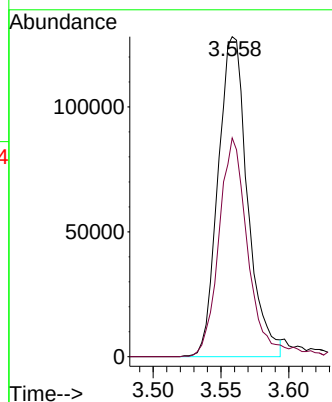
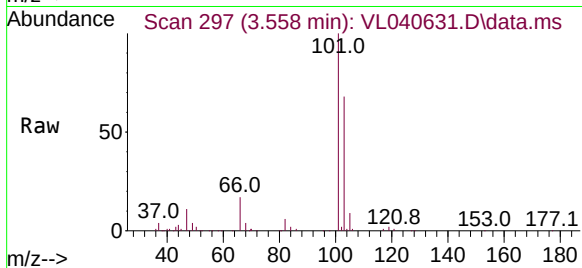




#11
 Trichlorofluoromethane
 Concen: 1.056 ppbv
 RT: 3.558 min Scan# 297
 Delta R.T. -0.000 min
 Lab File: VL040631.D
 Acq: 15 Aug 2023 11:37

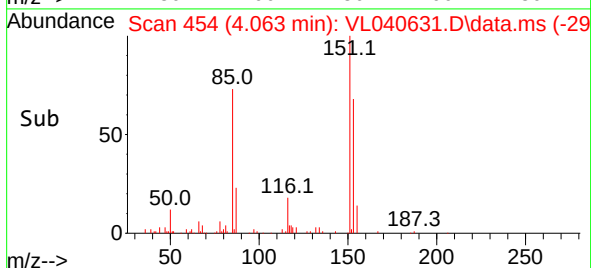
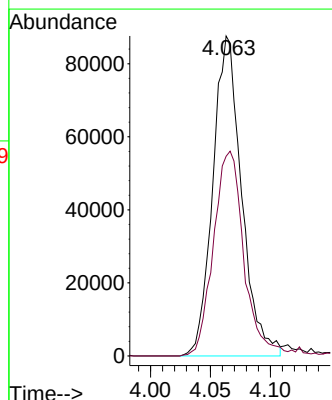
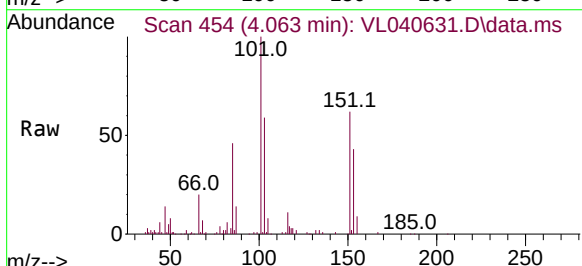
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC001

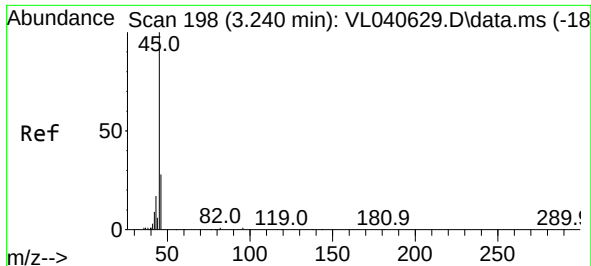
Tgt Ion:101 Resp: 193892
 Ion Ratio Lower Upper
 101 100
 103 68.3 51.1 76.7



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.083 ppbv
 RT: 4.063 min Scan# 454
 Delta R.T. -0.000 min
 Lab File: VL040631.D
 Acq: 15 Aug 2023 11:37

Tgt Ion:101 Resp: 146011
 Ion Ratio Lower Upper
 101 100
 151 69.5 56.2 84.2

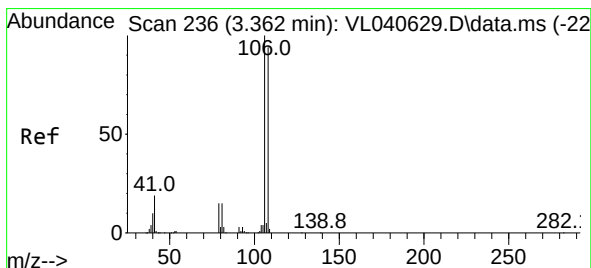
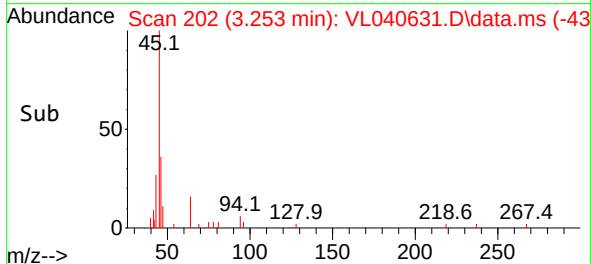
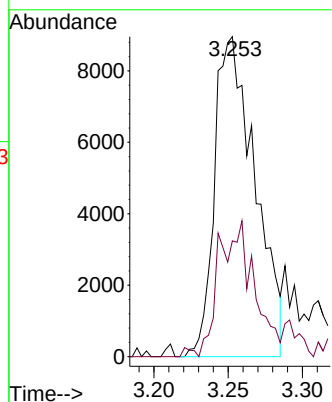
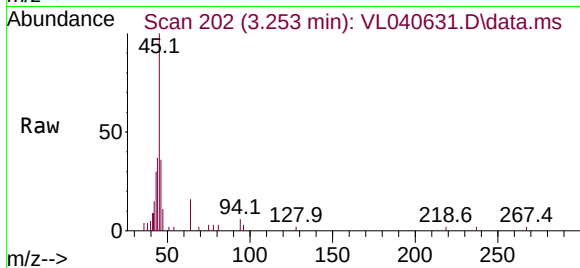




#13
Ethanol
Concen: 1.315 ppbv
RT: 3.253 min Scan# 202
Delta R.T. 0.013 min
Lab File: VL040631.D
Acq: 15 Aug 2023 11:37

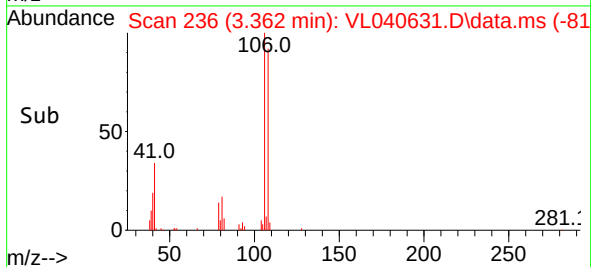
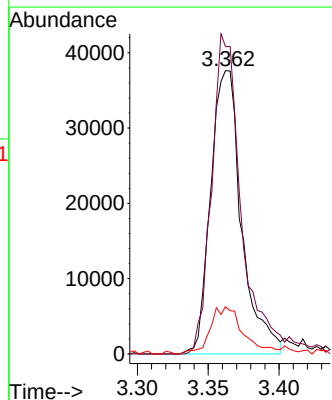
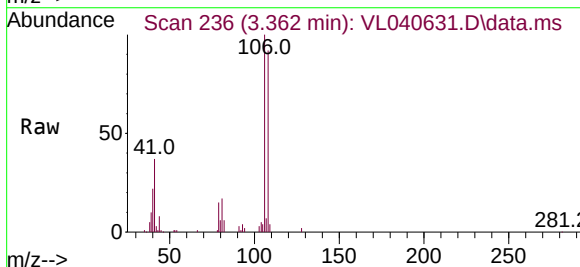
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

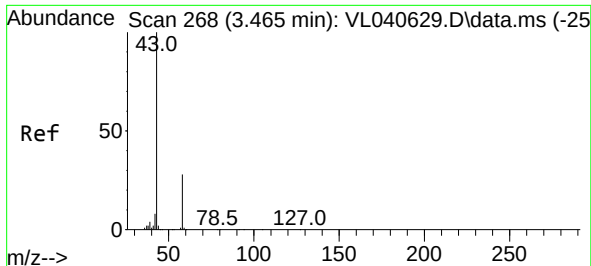
Tgt Ion: 45 Resp: 16952
Ion Ratio Lower Upper
45 100
46 41.7 14.2 56.6



#14
Bromoethene
Concen: 1.032 ppbv
RT: 3.362 min Scan# 236
Delta R.T. -0.000 min
Lab File: VL040631.D
Acq: 15 Aug 2023 11:37

Tgt Ion: 108 Resp: 57107
Ion Ratio Lower Upper
108 100
106 113.1 87.3 130.9
79 20.1 14.4 21.6

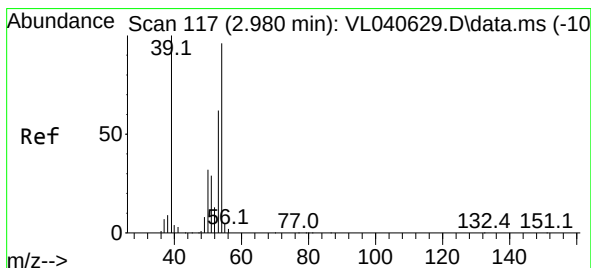
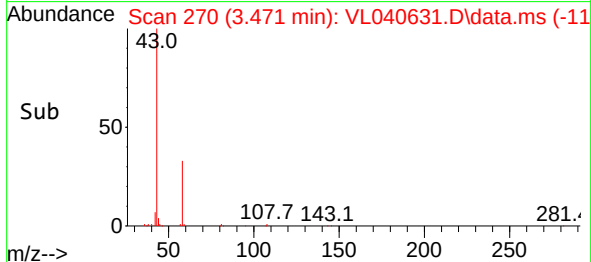
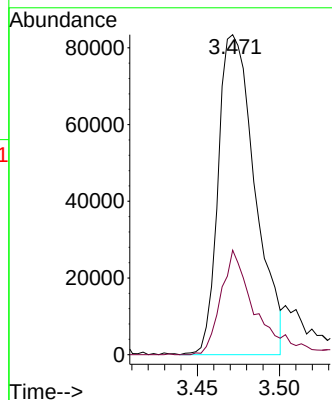
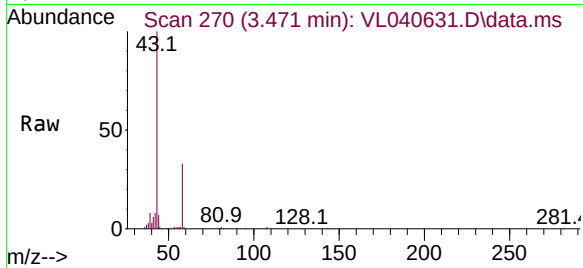




#15
Acetone
Concen: 1.006 ppbv
RT: 3.471 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL040631.D
Acq: 15 Aug 2023 11:37

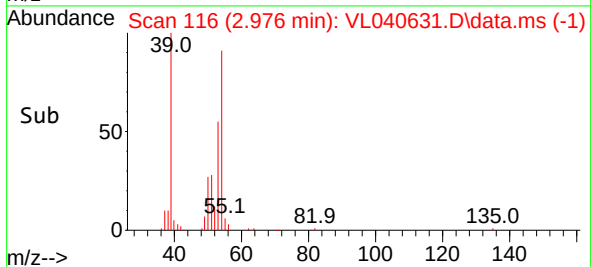
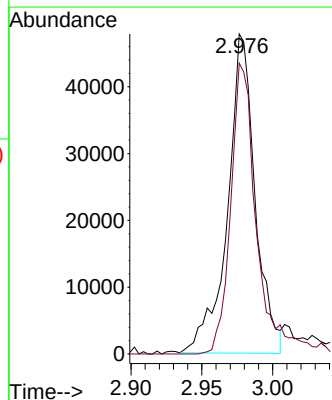
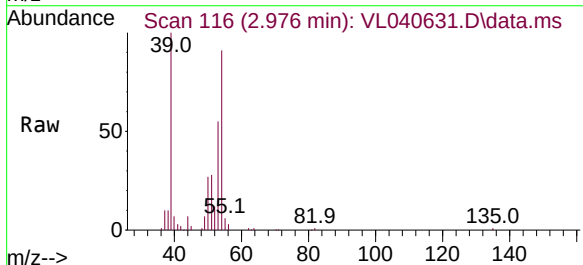
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

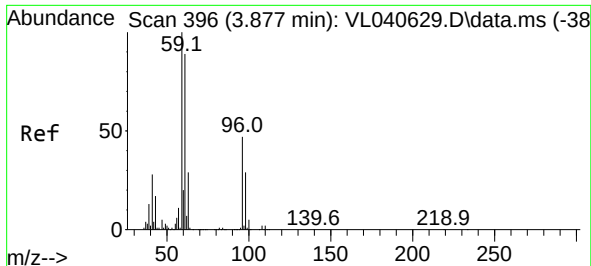
Tgt Ion: 43 Resp: 130011
Ion Ratio Lower Upper
43 100
58 32.9 22.4 33.6



#16
1,3-Butadiene
Concen: 1.011 ppbv
RT: 2.976 min Scan# 116
Delta R.T. -0.003 min
Lab File: VL040631.D
Acq: 15 Aug 2023 11:37

Tgt Ion: 39 Resp: 64939
Ion Ratio Lower Upper
39 100
54 86.0 66.6 99.8





#17

tert-Butyl alcohol

Concen: 1.037 ppbv

RT: 3.883 min Scan# 398

Delta R.T. 0.006 min

Lab File: VL040631.D

Acq: 15 Aug 2023 11:37

Instrument :

MSVOA_L

ClientSampleId :

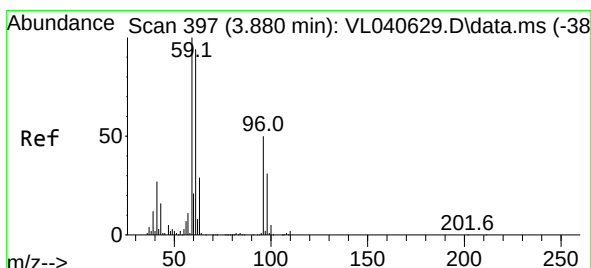
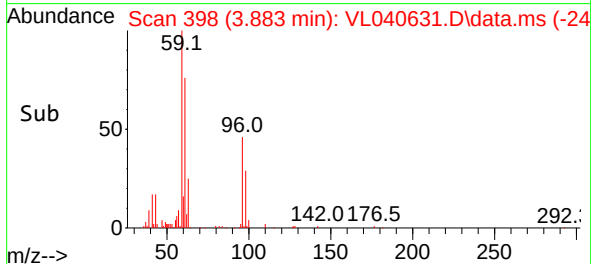
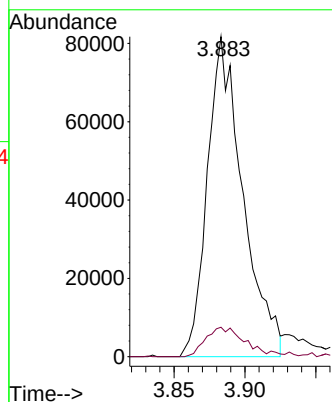
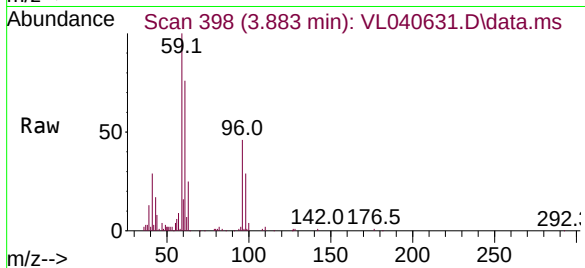
VSTDIC001

Tgt Ion: 59 Resp: 142052

Ion Ratio Lower Upper

59 100

57 11.0 8.4 12.6



#18

1,1-Dichloroethene

Concen: 1.027 ppbv

RT: 3.877 min Scan# 396

Delta R.T. -0.003 min

Lab File: VL040631.D

Acq: 15 Aug 2023 11:37

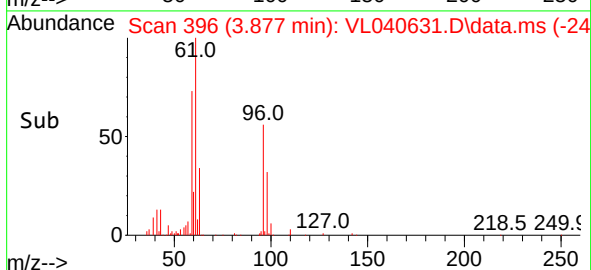
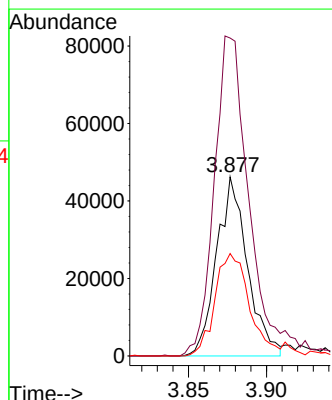
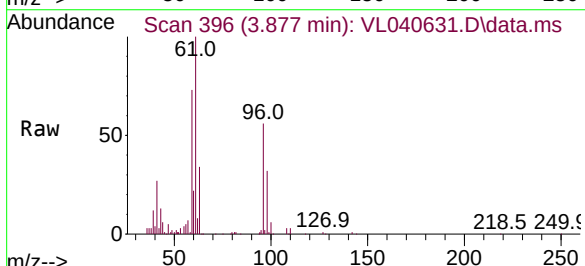
Tgt Ion: 96 Resp: 63414

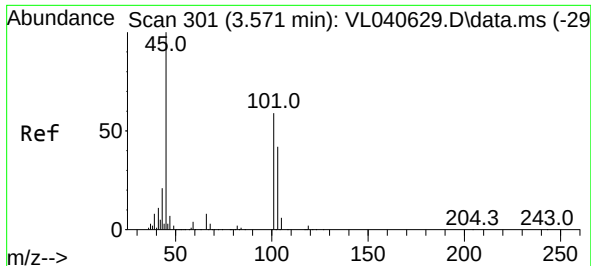
Ion Ratio Lower Upper

96 100

61 177.6 150.4 225.6

98 57.2 49.7 74.5

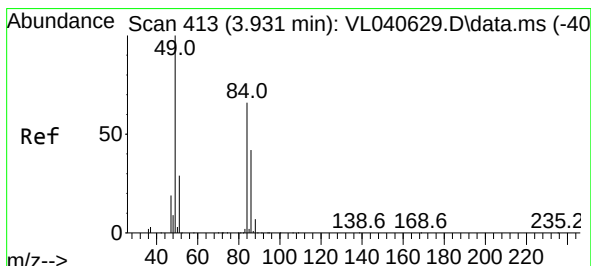
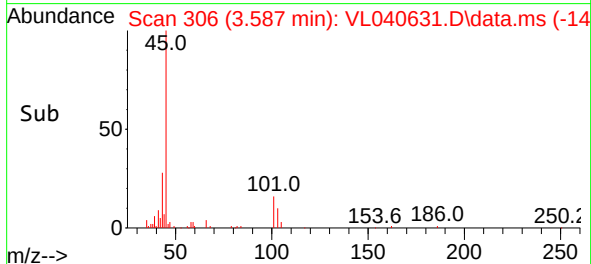
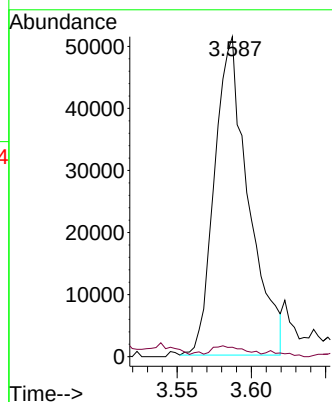
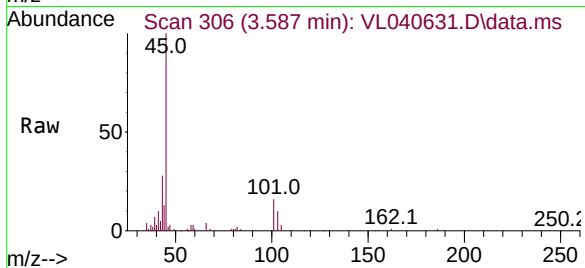




#19
Isopropyl Alcohol
Concen: 0.999 ppbv
RT: 3.587 min Scan# 306
Delta R.T. 0.016 min
Lab File: VL040631.D
Acq: 15 Aug 2023 11:37

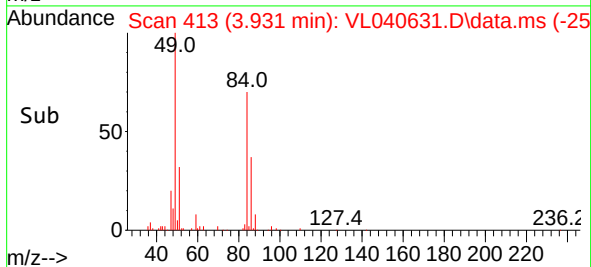
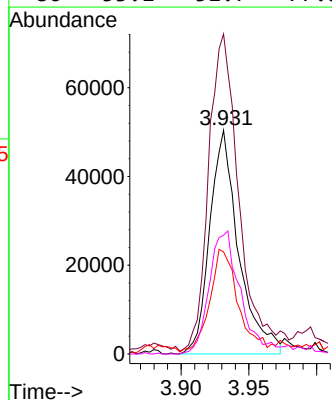
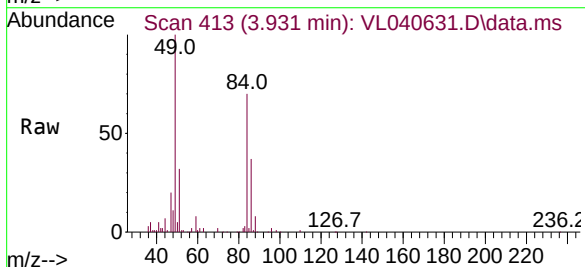
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC001

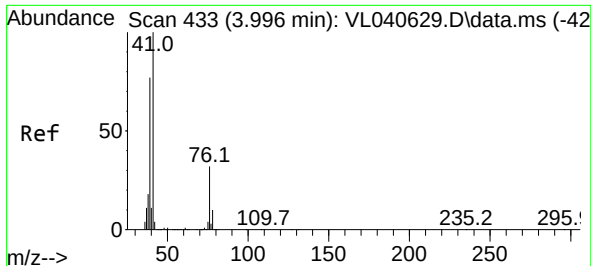
Tgt Ion: 45 Resp: 81791
Ion Ratio Lower Upper
45 100
58 4.6 1.9 2.9#



#20
Methylene Chloride
Concen: 1.188 ppbv
RT: 3.931 min Scan# 413
Delta R.T. -0.000 min
Lab File: VL040631.D
Acq: 15 Aug 2023 11:37

Tgt Ion: 84 Resp: 74971
Ion Ratio Lower Upper
84 100
49 140.4 122.1 183.1
51 44.8 35.4 53.2
86 53.1 51.7 77.5





#21

Allyl Chloride

Concen: 1.011 ppbv

RT: 3.996 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL040631.D

Acq: 15 Aug 2023 11:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

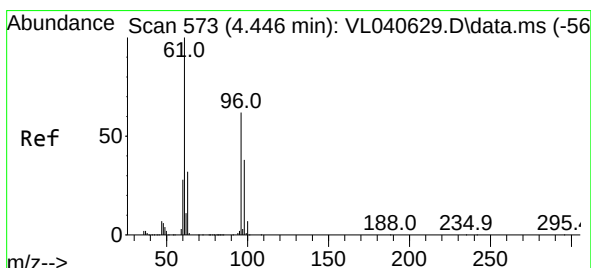
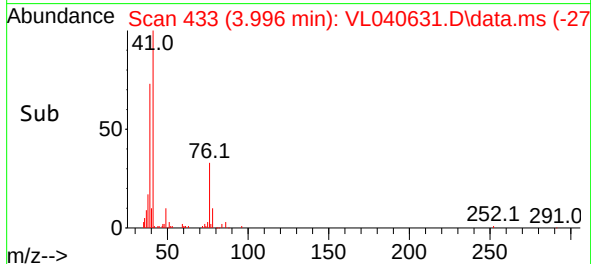
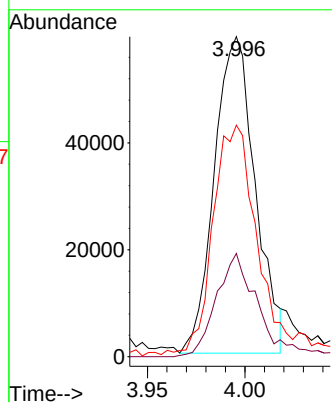
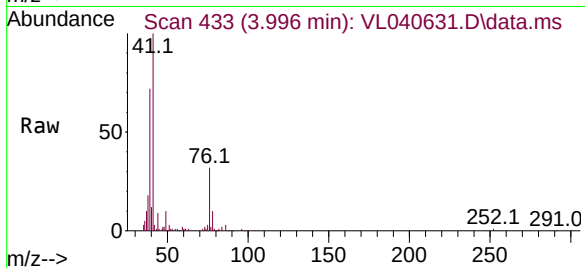
Tgt Ion: 41 Resp: 86409

Ion Ratio Lower Upper

41 100

76 34.2 25.5 38.3

39 85.6 61.8 92.6



#22

trans-1,2-Dichloroethene

Concen: 0.977 ppbv

RT: 4.446 min Scan# 573

Delta R.T. -0.000 min

Lab File: VL040631.D

Acq: 15 Aug 2023 11:37

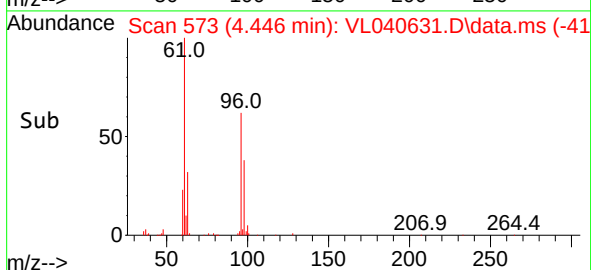
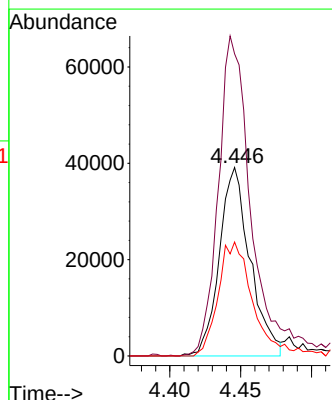
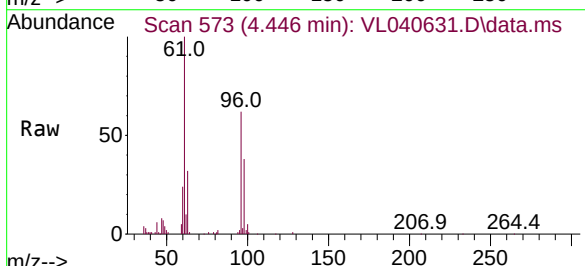
Tgt Ion: 96 Resp: 59254

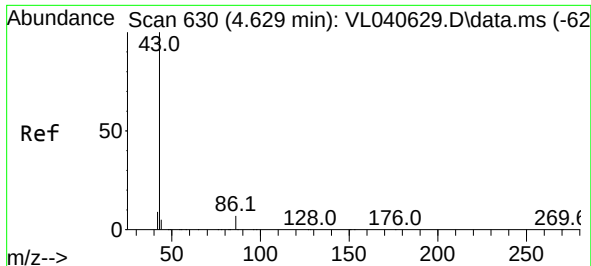
Ion Ratio Lower Upper

96 100

61 160.3 128.1 192.1

98 60.5 48.1 72.1

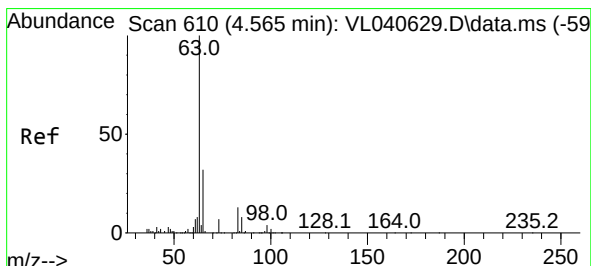
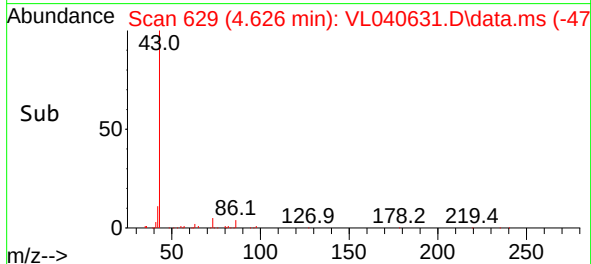
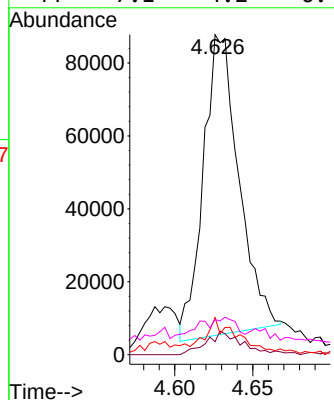
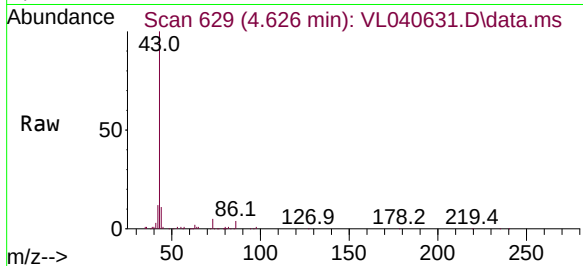




#23
 Vinyl Acetate
 Concen: 0.924 ppbv
 RT: 4.626 min Scan# 61
 Delta R.T. -0.003 min
 Lab File: VL040631.D
 Acq: 15 Aug 2023 11:37

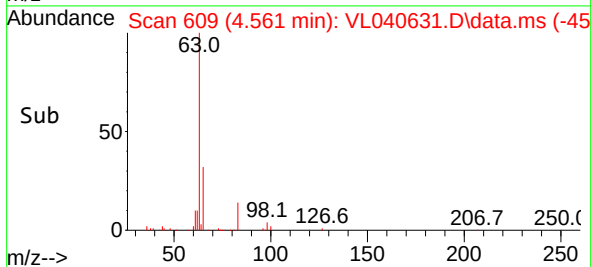
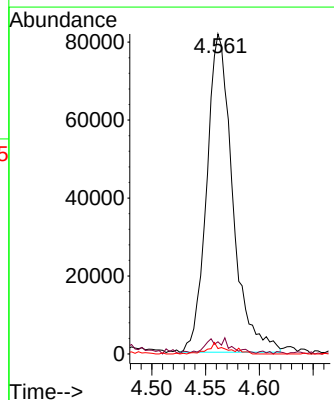
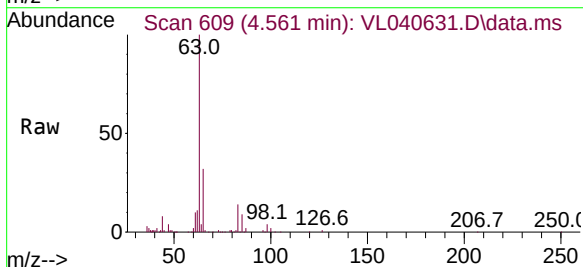
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC001

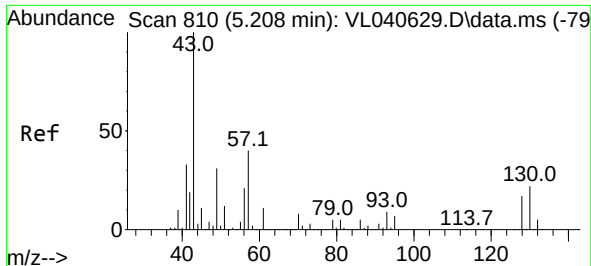
Tgt Ion: 43 Resp: 130393
 Ion Ratio Lower Upper
 43 100
 86 4.5 5.0 7.6#
 42 10.8 7.8 11.8
 44 7.1 4.2 6.4#



#24
 1,1-Dichloroethane
 Concen: 1.088 ppbv
 RT: 4.561 min Scan# 609
 Delta R.T. -0.003 min
 Lab File: VL040631.D
 Acq: 15 Aug 2023 11:37

Tgt Ion: 63 Resp: 136937
 Ion Ratio Lower Upper
 63 100
 98 3.6 2.0 6.0
 100 1.7 1.1 3.3



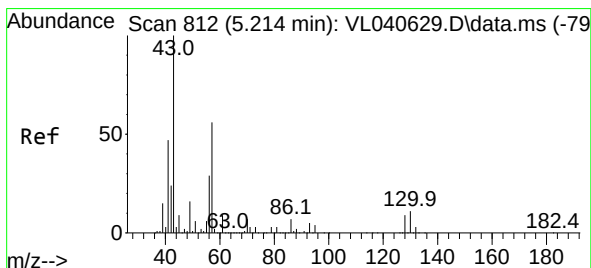
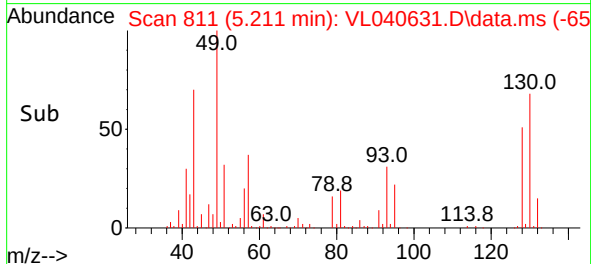
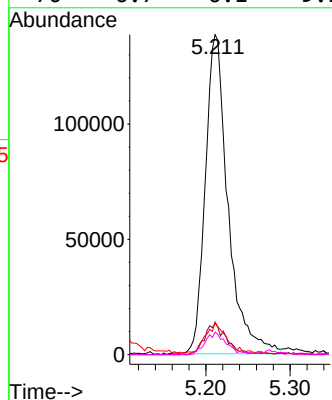
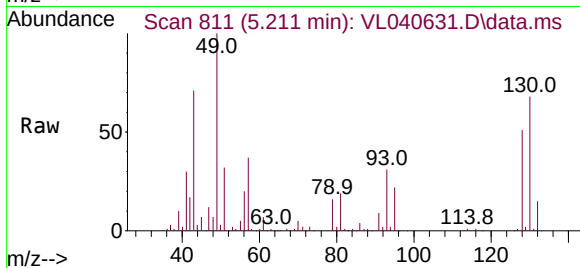


#25
Ethyl Acetate
Concen: 1.070 ppbv
RT: 5.211 min Scan# 811
Delta R.T. 0.003 min
Lab File: VL040631.D
Acq: 15 Aug 2023 11:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 43 Resp: 259509

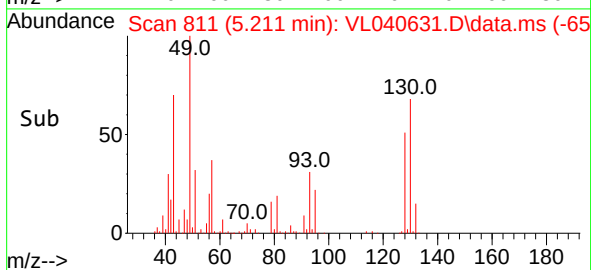
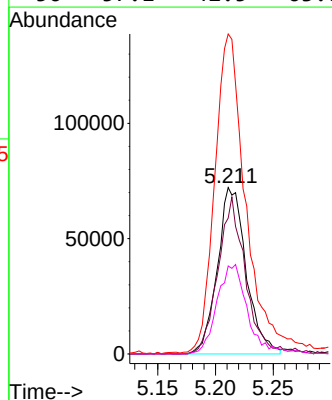
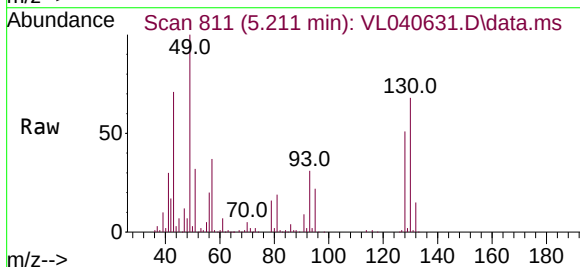
Ion	Ratio	Lower	Upper
43	100		
45	10.2	8.2	12.4
61	10.1	8.3	12.5
70	6.7	6.1	9.1

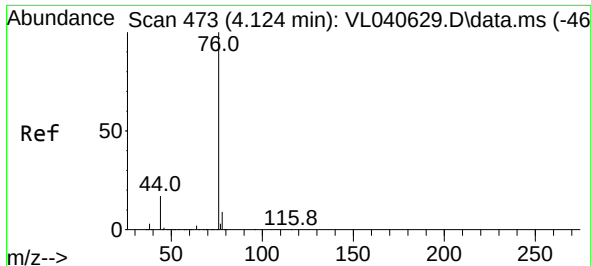


#26
Hexane
Concen: 1.066 ppbv
RT: 5.211 min Scan# 811
Delta R.T. -0.003 min
Lab File: VL040631.D
Acq: 15 Aug 2023 11:37

Tgt Ion: 57 Resp: 125194

Ion	Ratio	Lower	Upper
57	100		
41	91.4	69.3	103.9
43	216.4	177.9	266.9
56	57.1	42.5	63.7

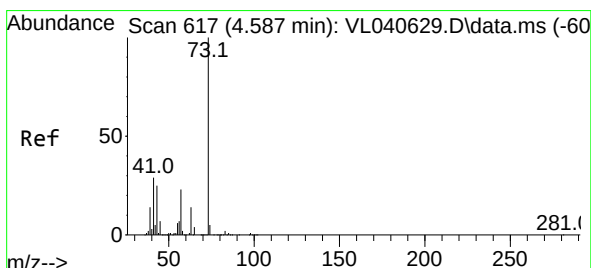
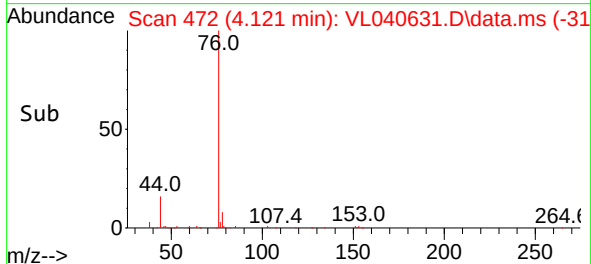
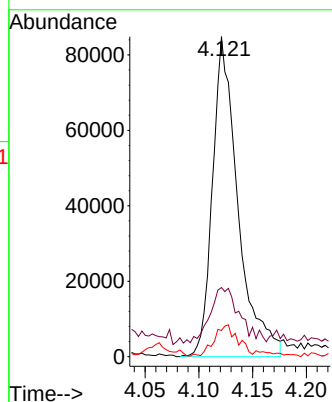
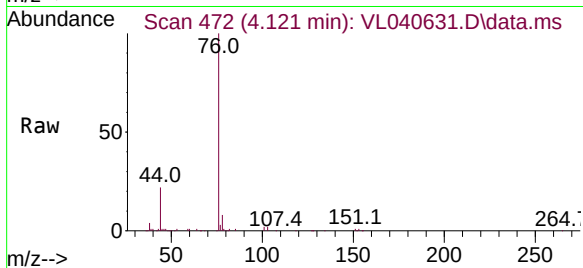




#27
Carbon Disulfide
Concen: 1.000 ppbv
RT: 4.121 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL040631.D
Acq: 15 Aug 2023 11:37

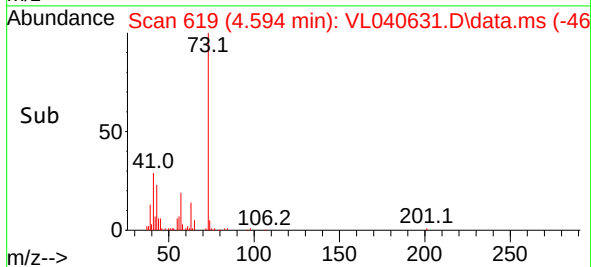
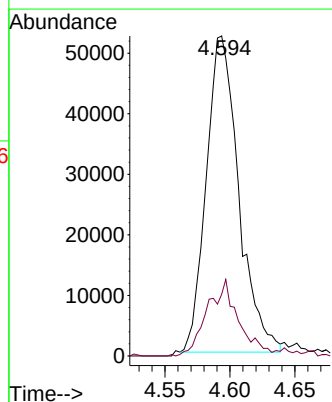
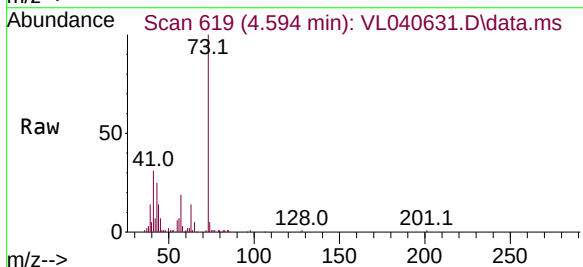
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC001

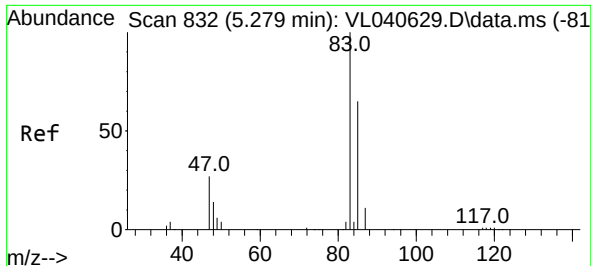
Tgt Ion: 76 Resp: 139737
Ion Ratio Lower Upper
76 100
44 22.0 14.3 21.5#
78 11.0 7.4 11.0



#28
Methyl tert-Butyl Ether
Concen: 1.001 ppbv
RT: 4.594 min Scan# 619
Delta R.T. 0.006 min
Lab File: VL040631.D
Acq: 15 Aug 2023 11:37

Tgt Ion: 73 Resp: 90838
Ion Ratio Lower Upper
73 100
57 25.0 18.9 28.3





#29

Chloroform

Concen: 1.067 ppbv

RT: 5.272 min Scan# 81

Delta R.T. -0.007 min

Lab File: VL040631.D

Acq: 15 Aug 2023 11:37

Instrument :

MSVOA_L

ClientSampleId :

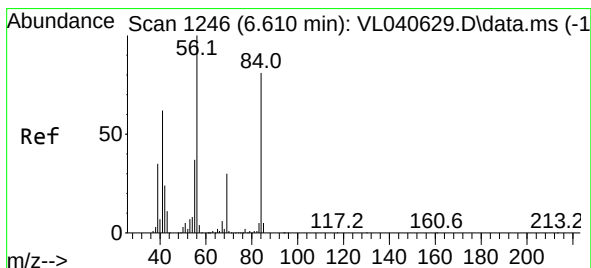
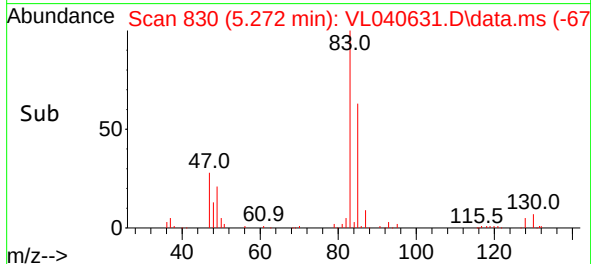
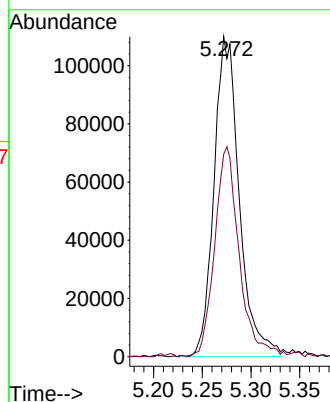
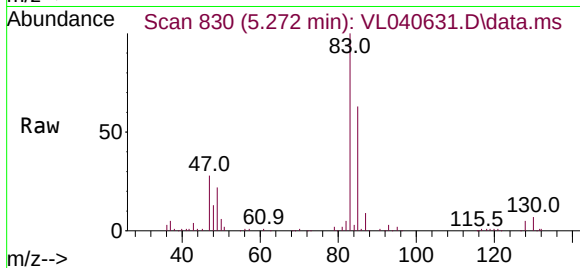
VSTDIC001

Tgt Ion: 83 Resp: 198336

Ion Ratio Lower Upper

83 100

85 62.9 52.2 78.2



#30

Cyclohexane

Concen: 1.056 ppbv

RT: 6.610 min Scan# 1246

Delta R.T. -0.000 min

Lab File: VL040631.D

Acq: 15 Aug 2023 11:37

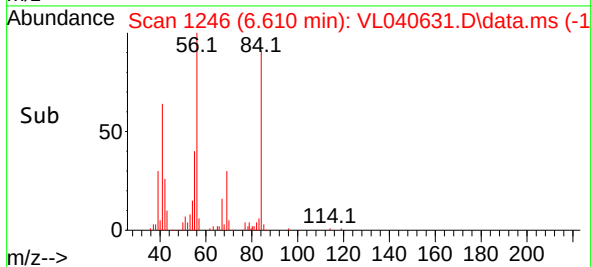
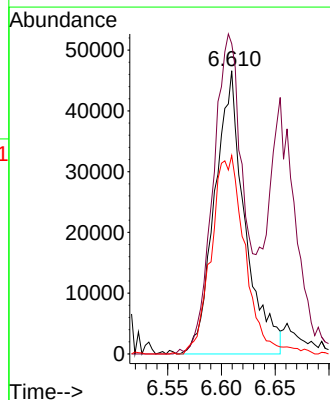
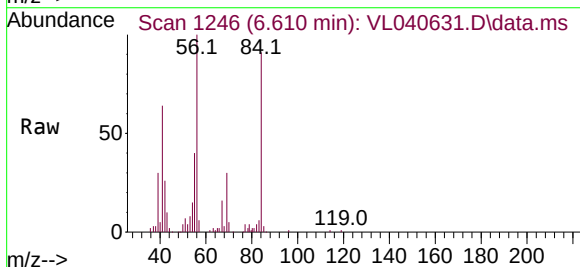
Tgt Ion: 84 Resp: 90872

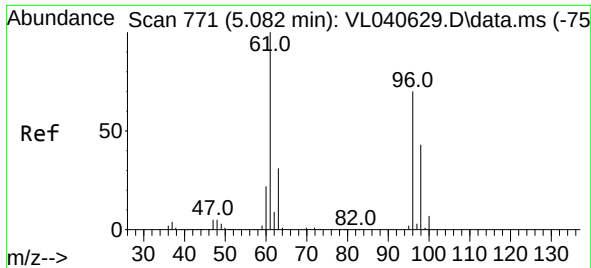
Ion Ratio Lower Upper

84 100

56 116.1 105.4 158.2

41 78.5 64.2 96.2

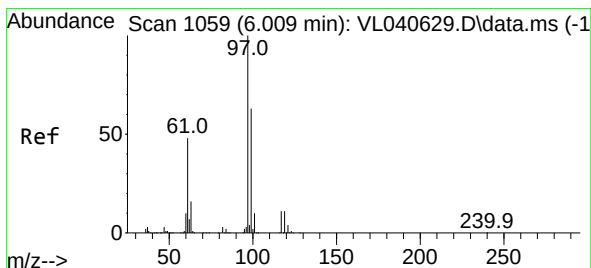
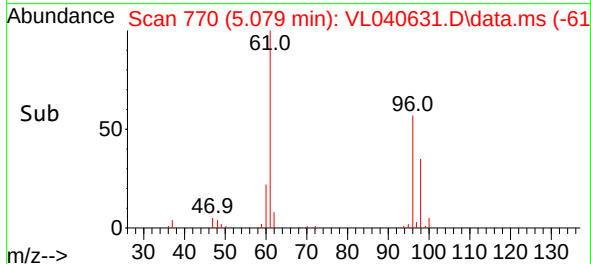
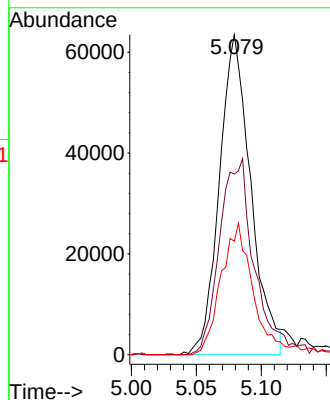
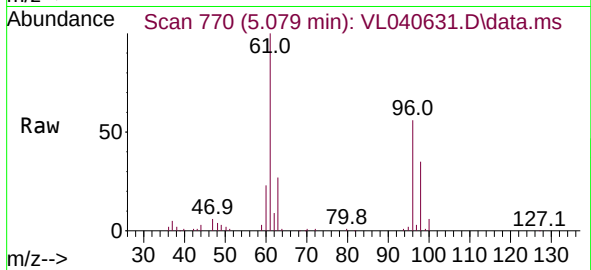




#31
 cis-1,2-Dichloroethene
 Concen: 1.007 ppbv
 RT: 5.079 min Scan# 771
 Delta R.T. -0.003 min
 Lab File: VL040631.D
 Acq: 15 Aug 2023 11:37

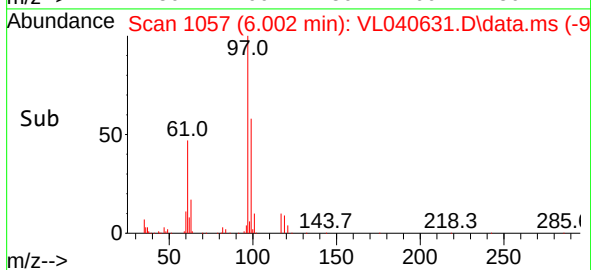
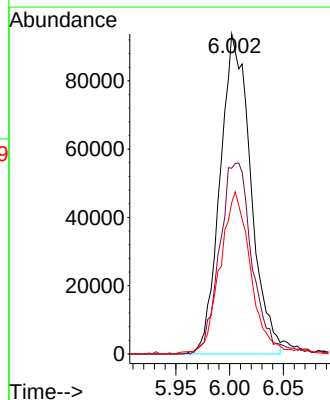
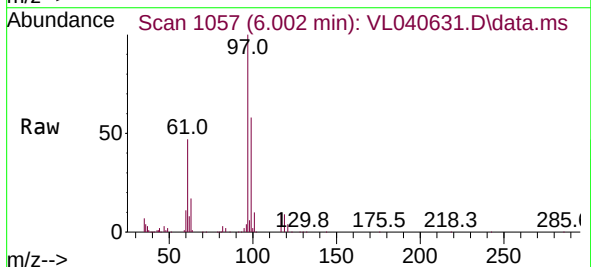
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

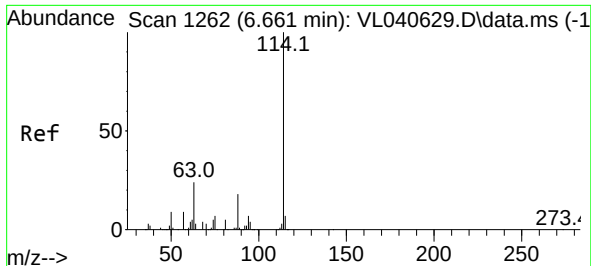
Tgt Ion: 61 Resp: 106632
 Ion Ratio Lower Upper
 61 100
 96 56.4 55.8 83.6
 98 35.5 34.8 52.2



#32
 1,1,1-Trichloroethane
 Concen: 1.041 ppbv
 RT: 6.002 min Scan# 1057
 Delta R.T. -0.007 min
 Lab File: VL040631.D
 Acq: 15 Aug 2023 11:37

Tgt Ion: 97 Resp: 185675
 Ion Ratio Lower Upper
 97 100
 99 64.2 51.2 76.8
 61 51.5 39.7 59.5





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.655 min Scan# 11

Delta R.T. -0.007 min

Lab File: VL040631.D

Acq: 15 Aug 2023 11:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

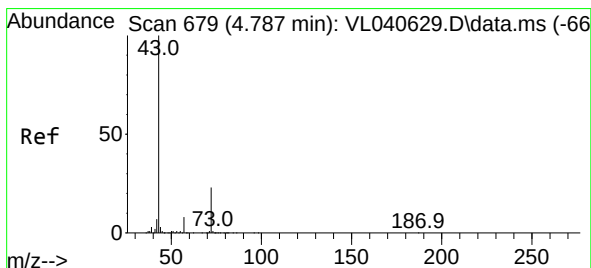
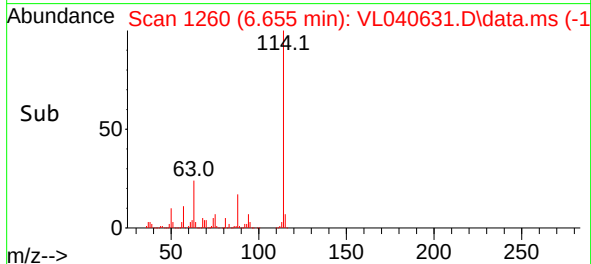
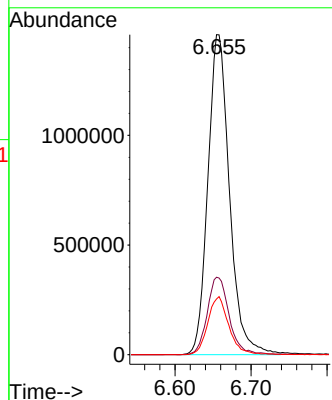
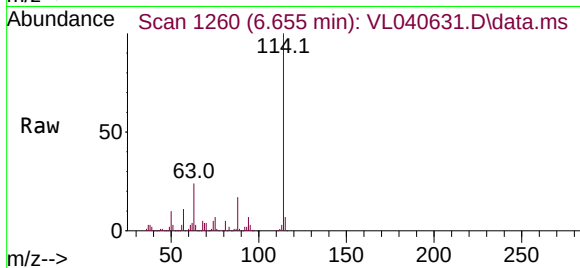
Tgt Ion:114 Resp: 2884215

Ion Ratio Lower Upper

114 100

63 24.8 20.2 30.2

88 17.8 14.1 21.1



#34

2-Butanone

Concen: 1.005 ppbv

RT: 4.793 min Scan# 681

Delta R.T. 0.006 min

Lab File: VL040631.D

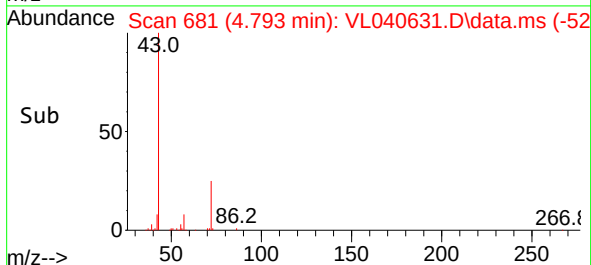
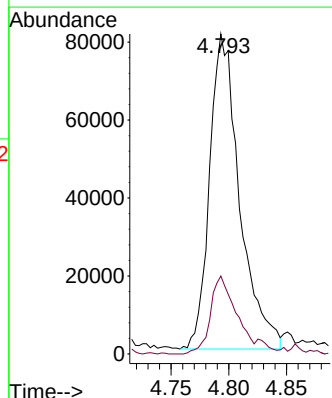
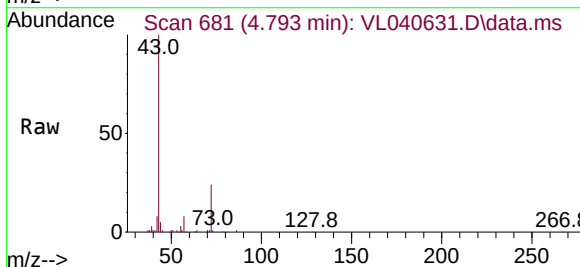
Acq: 15 Aug 2023 11:37

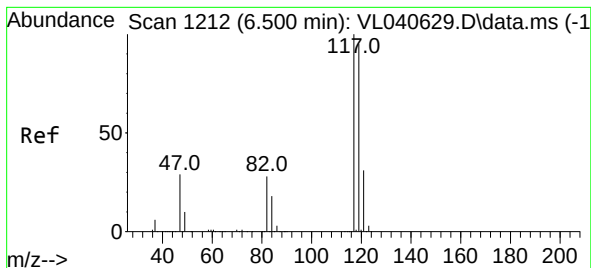
Tgt Ion: 43 Resp: 146133

Ion Ratio Lower Upper

43 100

72 22.8 19.2 28.8





#35

Carbon Tetrachloride

Concen: 1.037 ppbv

RT: 6.497 min Scan# 117

Delta R.T. -0.003 min

Lab File: VL040631.D

Acq: 15 Aug 2023 11:37

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC001

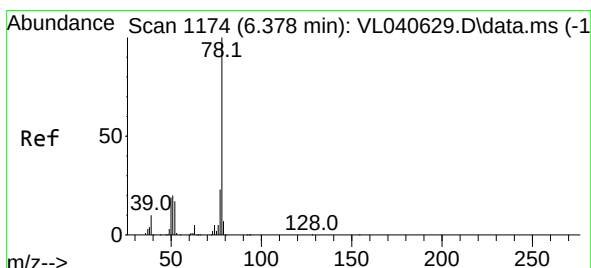
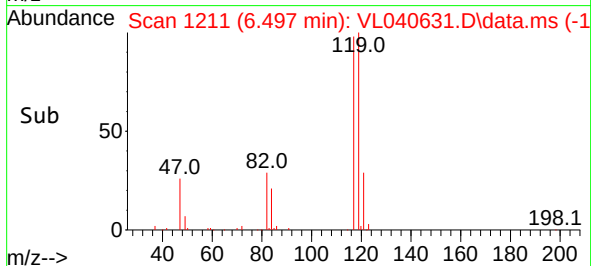
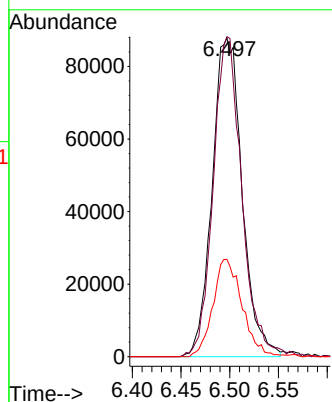
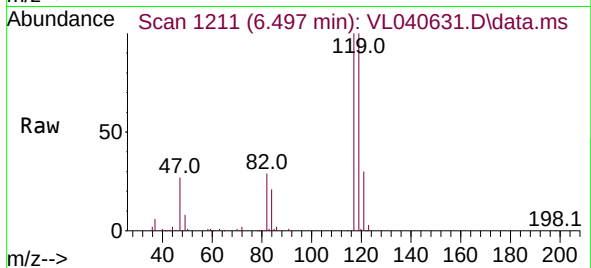
Tgt Ion:117 Resp: 187474

Ion Ratio Lower Upper

117 100

119 100.4 75.6 113.4

121 30.5 24.9 37.3



#36

Benzene

Concen: 0.969 ppbv

RT: 6.375 min Scan# 1173

Delta R.T. -0.003 min

Lab File: VL040631.D

Acq: 15 Aug 2023 11:37

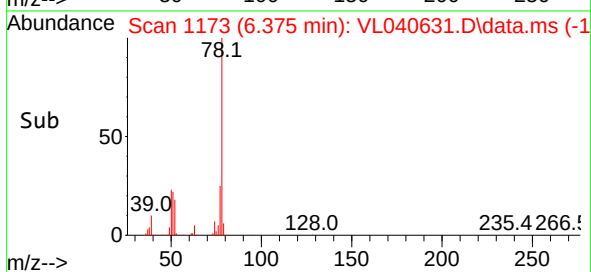
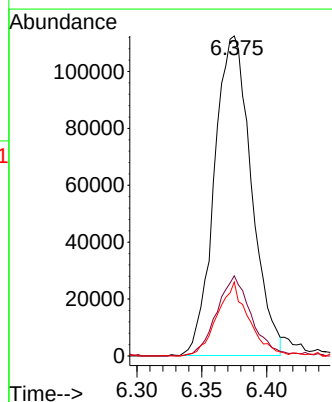
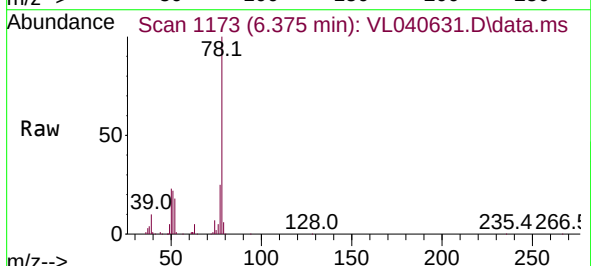
Tgt Ion: 78 Resp: 222446

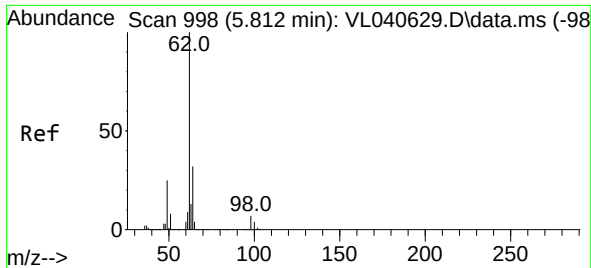
Ion Ratio Lower Upper

78 100

77 25.1 18.2 27.2

50 23.1 15.0 22.6#

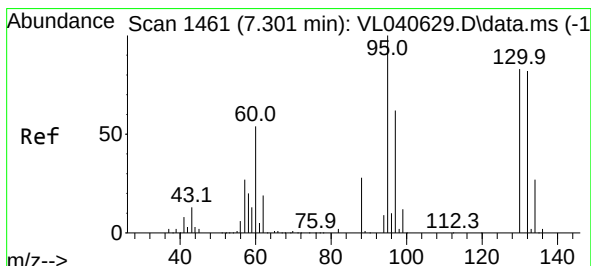
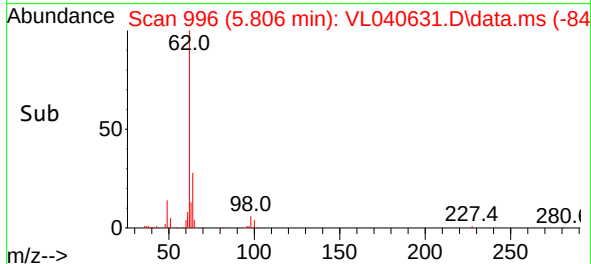
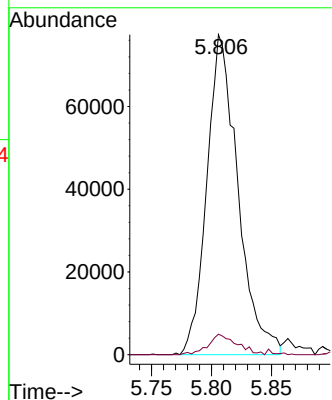
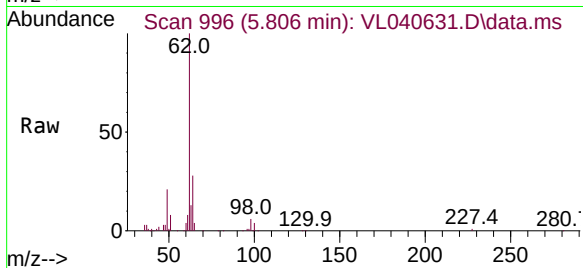




#37
1,2-Dichloroethane
Concen: 1.007 ppbv
RT: 5.806 min Scan# 998
Delta R.T. -0.007 min
Lab File: VL040631.D
Acq: 15 Aug 2023 11:37

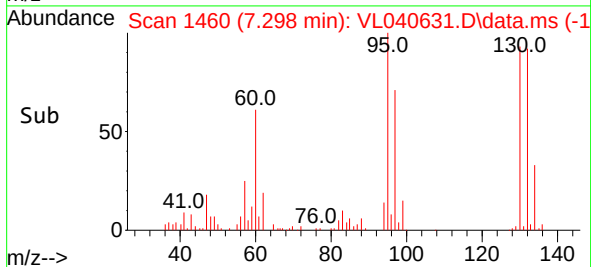
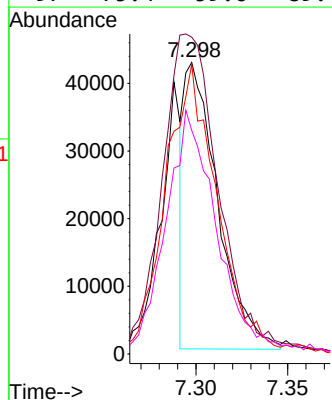
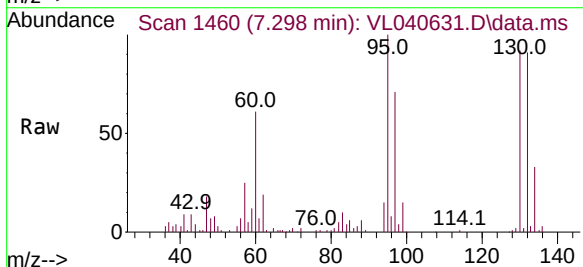
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

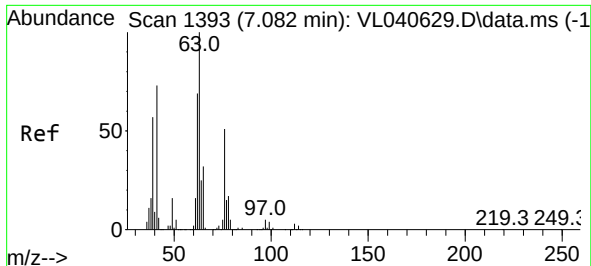
Tgt Ion: 62 Resp: 139373
Ion Ratio Lower Upper
62 100
98 6.3 4.9 7.3



#38
Trichloroethene
Concen: 0.605 ppbv
RT: 7.298 min Scan# 1460
Delta R.T. -0.003 min
Lab File: VL040631.D
Acq: 15 Aug 2023 11:37

Tgt Ion: 130 Resp: 53972
Ion Ratio Lower Upper
130 100
95 108.1 95.9 143.9
132 100.2 79.0 118.4
97 75.4 59.6 89.4





#39

1,2-Dichloropropane

Concen: 1.016 ppbv

RT: 7.076 min Scan# 11

Delta R.T. -0.007 min

Lab File: VL040631.D

Acq: 15 Aug 2023 11:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001

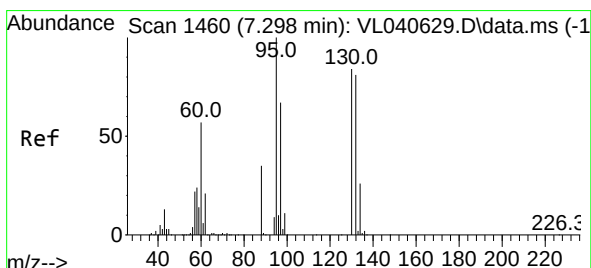
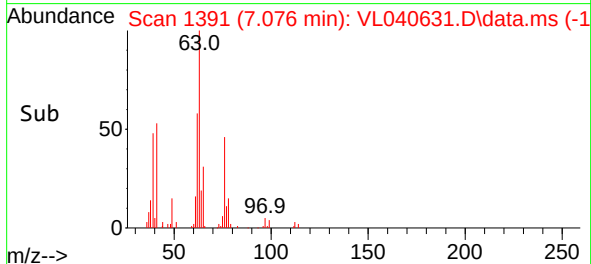
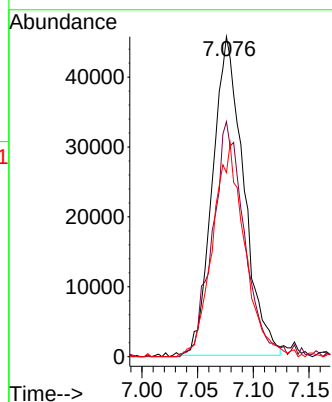
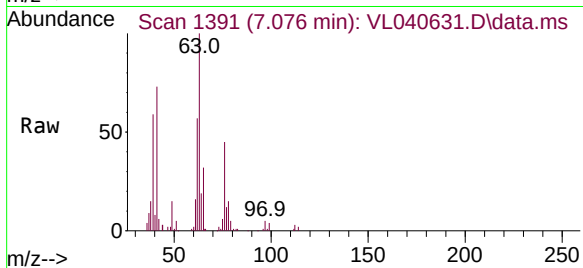
Tgt Ion: 63 Resp: 88683

Ion Ratio Lower Upper

63 100

41 73.8 58.2 87.2

62 56.9 55.0 82.4



#40

1,4-Dioxane

Concen: 0.005 ppbv

RT: 7.275 min Scan# 1453

Delta R.T. -0.023 min

Lab File: VL040631.D

Acq: 15 Aug 2023 11:37

Tgt Ion: 88 Resp: 173

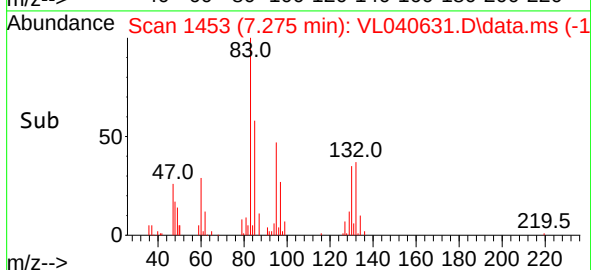
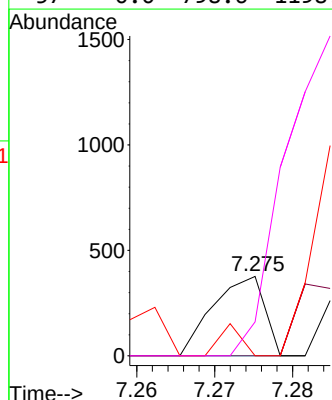
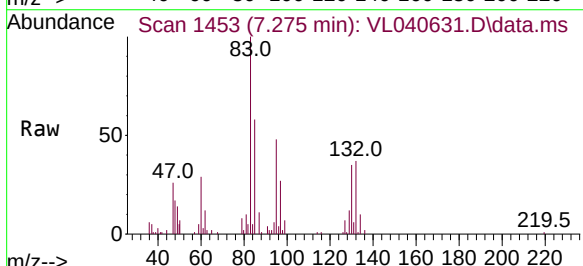
Ion Ratio Lower Upper

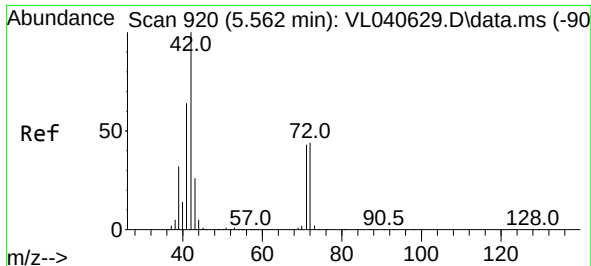
88 100

58 0.0 92.8 139.2#

43 0.0 179.1 268.7#

57 0.0 798.6 1198.0#





#41

Tetrahydrofuran

Concen: 0.987 ppbv

RT: 5.577 min Scan# 91

Delta R.T. 0.016 min

Lab File: VL040631.D

Acq: 15 Aug 2023 11:37

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC001

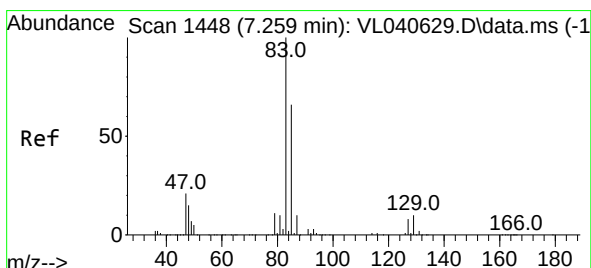
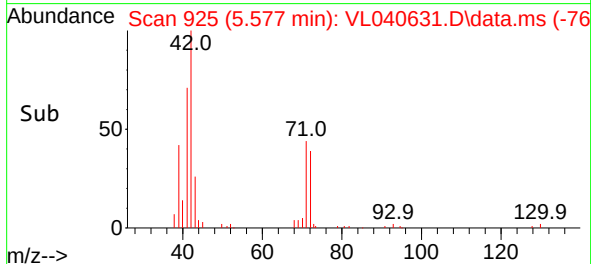
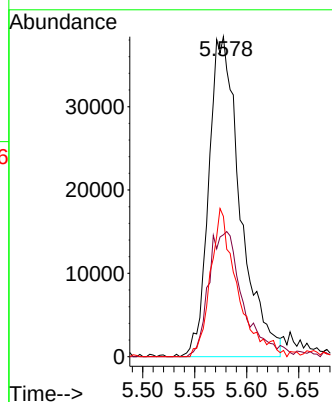
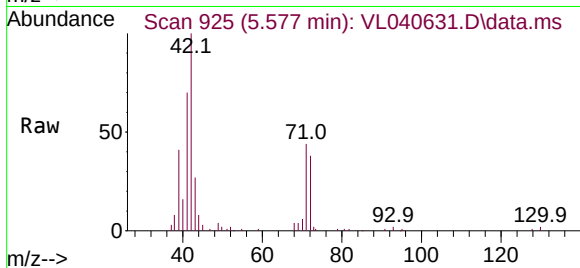
Tgt Ion: 42 Resp: 80759

Ion Ratio Lower Upper

42 100

72 43.3 34.2 51.4

71 40.1 33.4 50.0



#42

Bromodichloromethane

Concen: 0.969 ppbv

RT: 7.249 min Scan# 1445

Delta R.T. -0.010 min

Lab File: VL040631.D

Acq: 15 Aug 2023 11:37

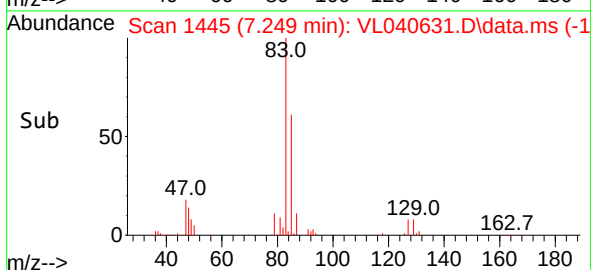
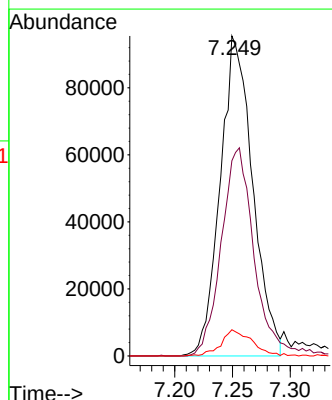
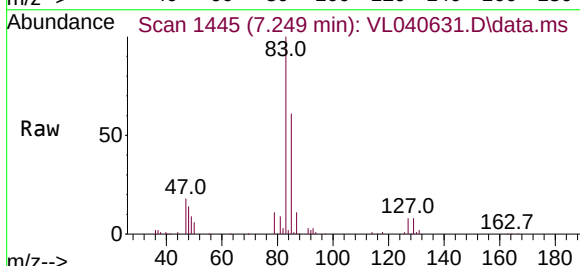
Tgt Ion: 83 Resp: 186687

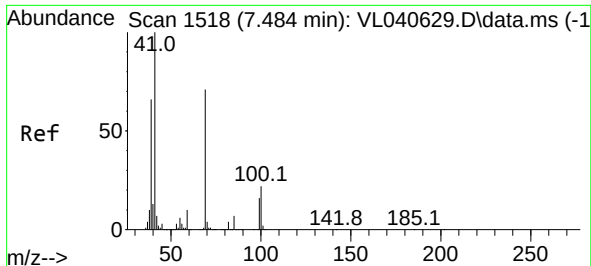
Ion Ratio Lower Upper

83 100

85 61.0 52.5 78.7

127 8.2 6.1 9.1

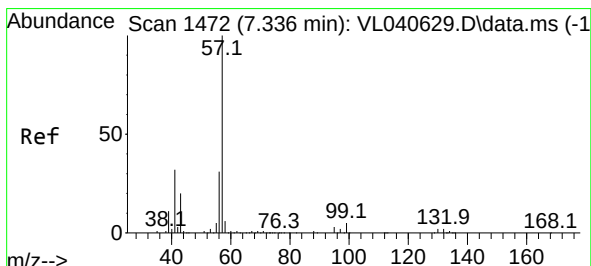
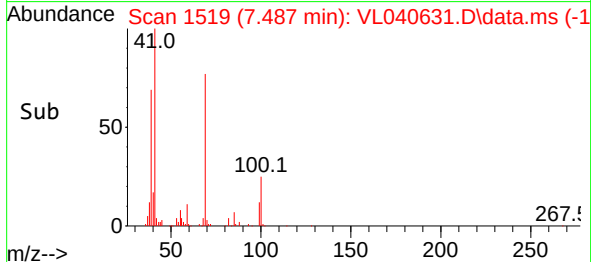
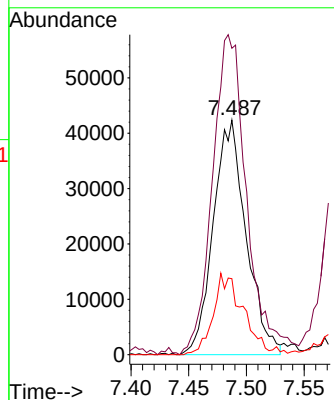
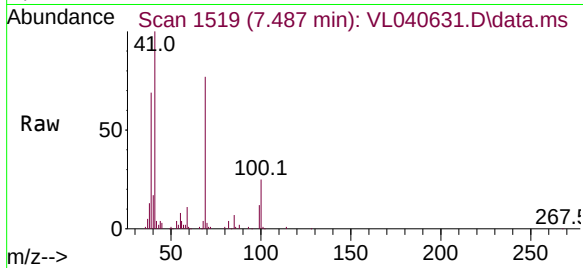




#43
Methyl Methacrylate
Concen: 0.978 ppbv
RT: 7.487 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL040631.D
Acq: 15 Aug 2023 11:37

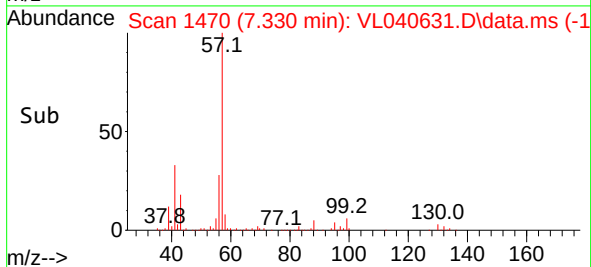
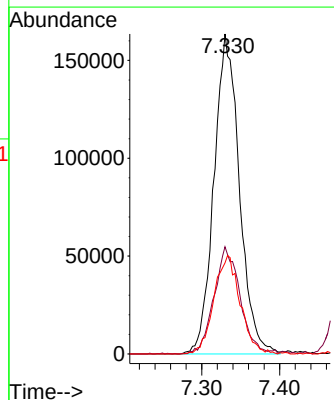
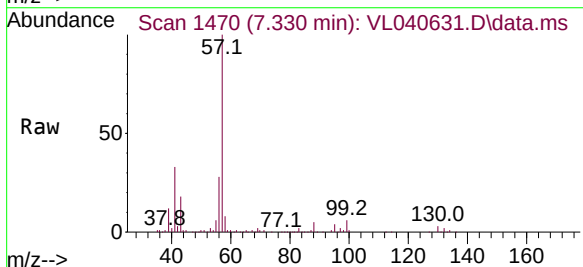
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC001

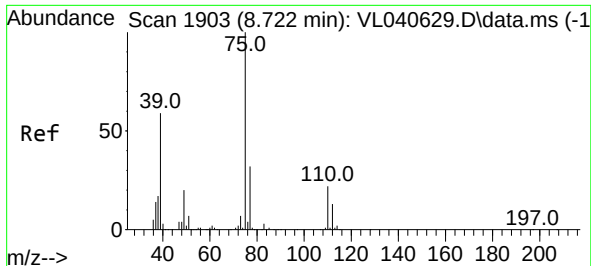
Tgt Ion: 69 Resp: 83978
Ion Ratio Lower Upper
69 100
41 142.2 111.8 167.8
100 31.8 25.8 38.6



#44
2,2,4-Trimethylpentane
Concen: 0.998 ppbv
RT: 7.330 min Scan# 1470
Delta R.T. -0.007 min
Lab File: VL040631.D
Acq: 15 Aug 2023 11:37

Tgt Ion: 57 Resp: 370139
Ion Ratio Lower Upper
57 100
41 34.8 26.2 39.4
56 31.9 24.7 37.1





#45

t-1,3-Dichloropropene

Concen: 0.571 ppbv

RT: 8.719 min Scan# 1902

Delta R.T. -0.003 min

Lab File: VL040631.D

Acq: 15 Aug 2023 11:37

Instrument :

MSVOA_L

ClientSampleId :

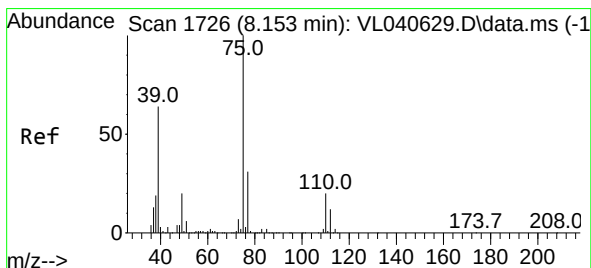
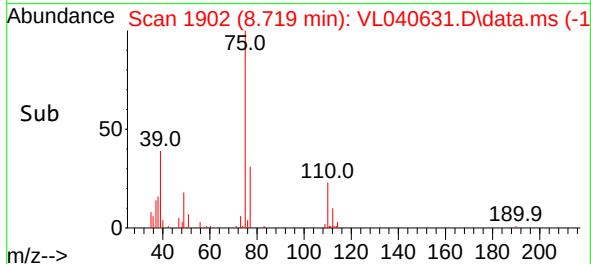
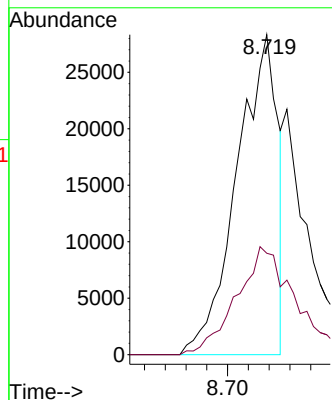
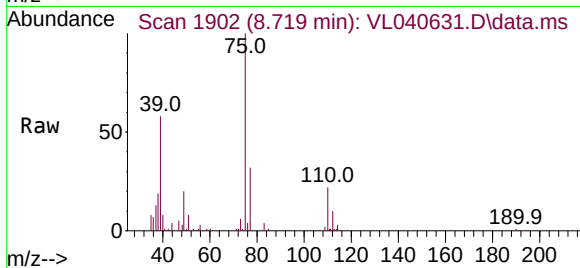
VSTDIC001

Tgt Ion: 75 Resp: 38689

Ion Ratio Lower Upper

75 100

77 31.7 25.6 38.4



#46

cis-1,3-Dichloropropene

Concen: 0.609 ppbv

RT: 8.147 min Scan# 1724

Delta R.T. -0.007 min

Lab File: VL040631.D

Acq: 15 Aug 2023 11:37

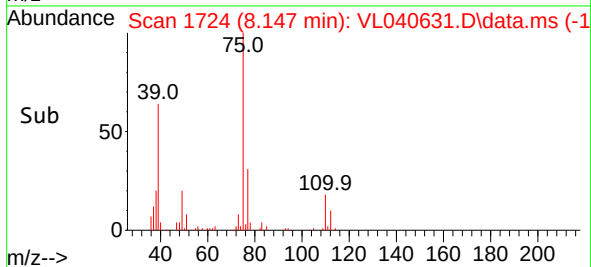
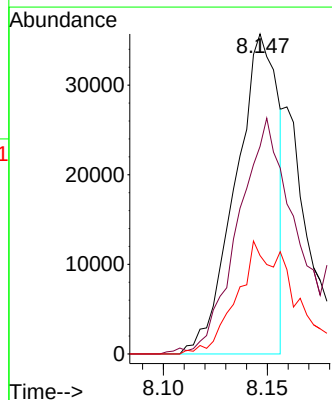
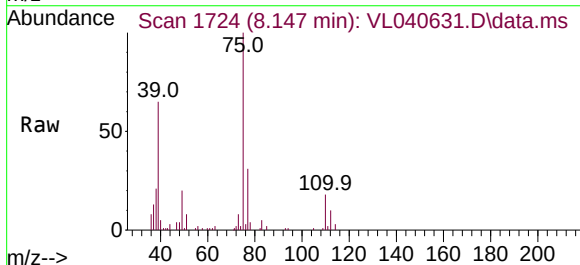
Tgt Ion: 75 Resp: 50846

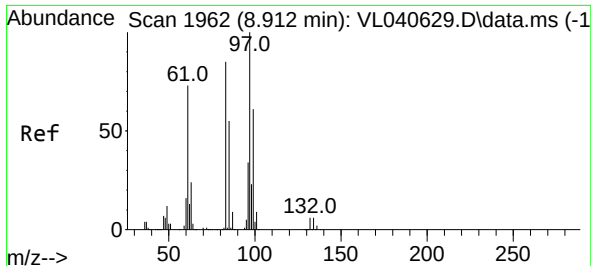
Ion Ratio Lower Upper

75 100

39 63.0 51.0 76.4

77 30.7 24.6 36.8





#47

1,1,2-Trichloroethane

Concen: 1.012 ppbv

RT: 8.902 min Scan# 1962

Delta R.T. -0.010 min

Lab File: VL040631.D

Acq: 15 Aug 2023 11:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001

Tgt Ion: 97 Resp: 99820

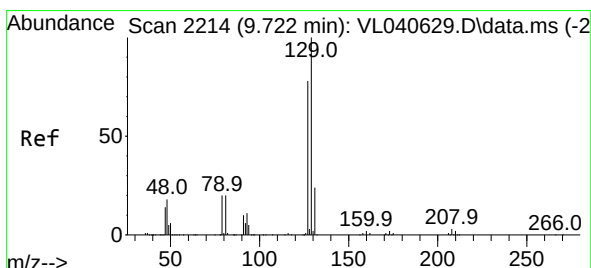
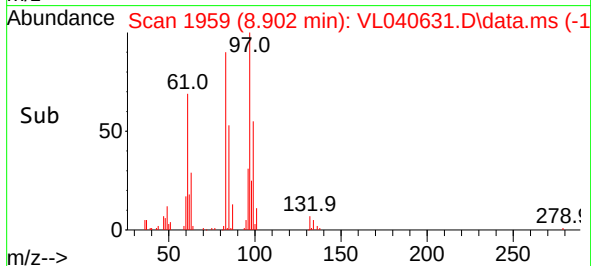
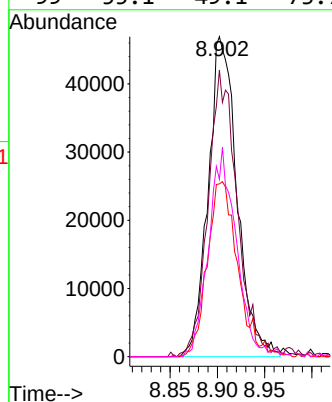
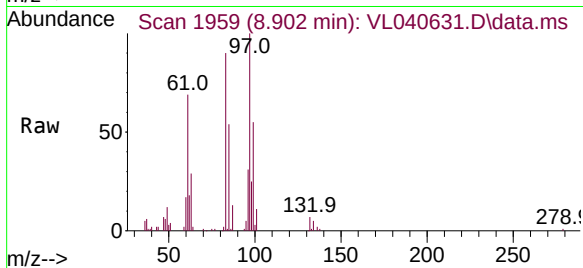
Ion Ratio Lower Upper

97 100

83 88.9 67.8 101.8

85 54.2 44.0 66.0

99 55.1 49.1 73.7



#48

Dibromochloromethane

Concen: 0.961 ppbv

RT: 9.719 min Scan# 2213

Delta R.T. -0.003 min

Lab File: VL040631.D

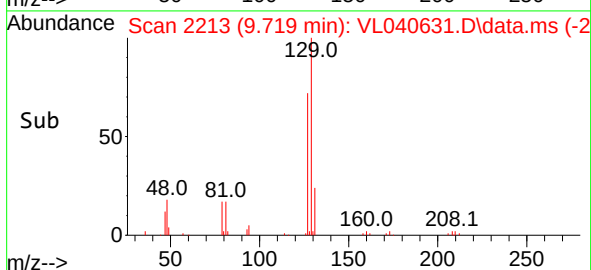
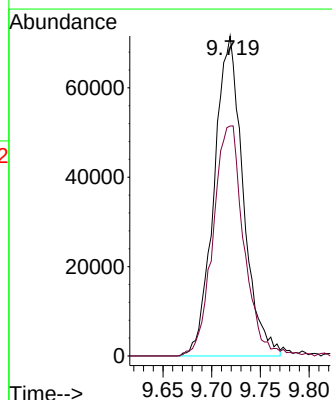
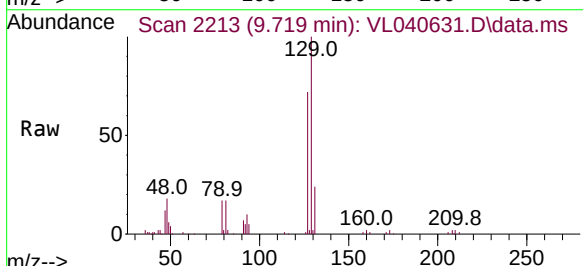
Acq: 15 Aug 2023 11:37

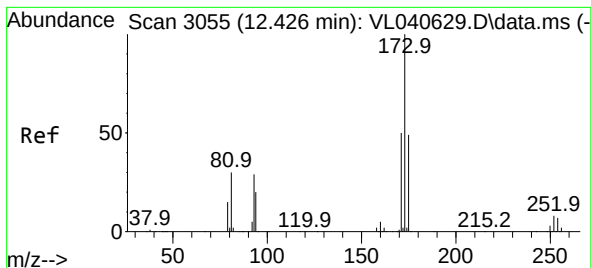
Tgt Ion: 129 Resp: 148392

Ion Ratio Lower Upper

129 100

127 76.6 38.9 116.7





#49

Bromoform

Concen: 0.874 ppbv

RT: 12.410 min Scan# 3050

Delta R.T. -0.016 min

Lab File: VL040631.D

Acq: 15 Aug 2023 11:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

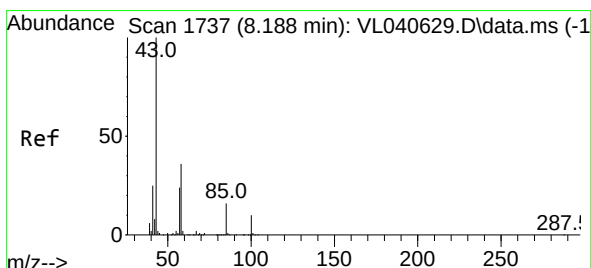
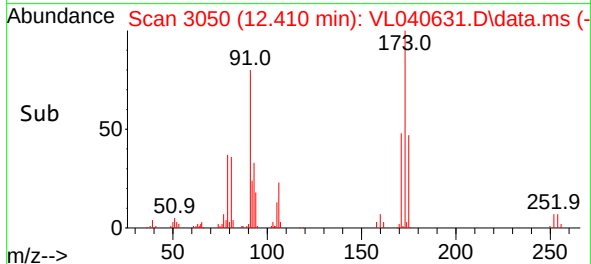
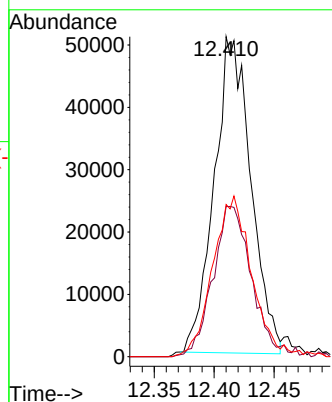
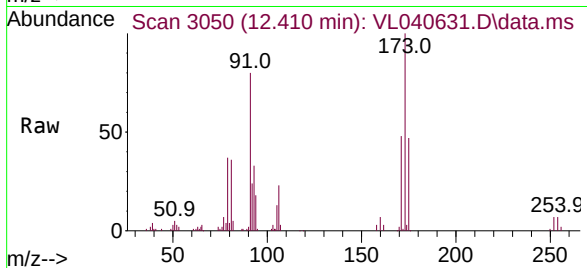
Tgt Ion:173 Resp: 107778

Ion Ratio Lower Upper

173 100

175 51.0 39.0 58.6

171 54.2 41.9 62.9



#50

4-Methyl-2-Pentanone

Concen: 0.964 ppbv

RT: 8.201 min Scan# 1741

Delta R.T. 0.013 min

Lab File: VL040631.D

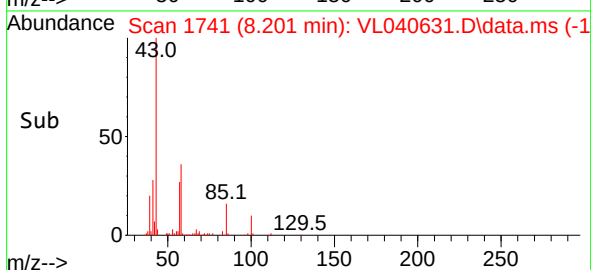
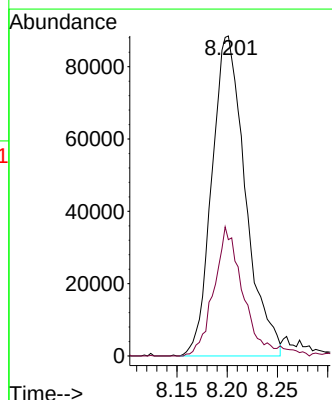
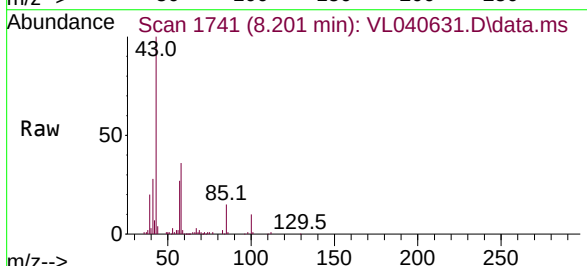
Acq: 15 Aug 2023 11:37

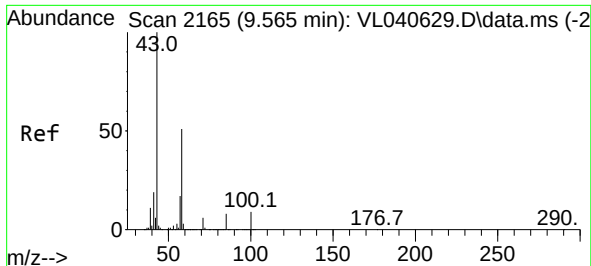
Tgt Ion: 43 Resp: 205184

Ion Ratio Lower Upper

43 100

58 36.3 29.2 43.8

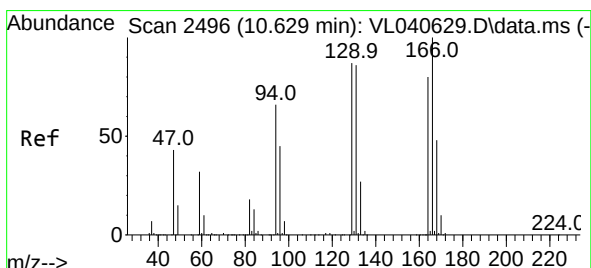
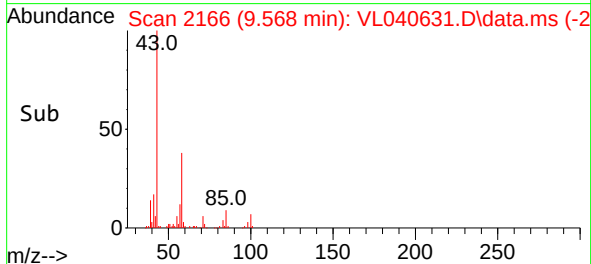
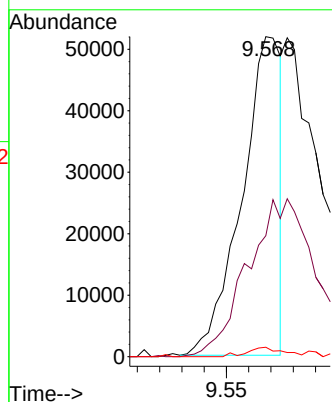
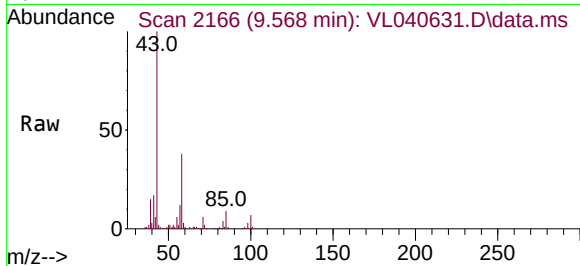




#51
2-Hexanone
Concen: 0.424 ppbv
RT: 9.568 min Scan# 2166
Delta R.T. 0.003 min
Lab File: VL040631.D
Acq: 15 Aug 2023 11:37

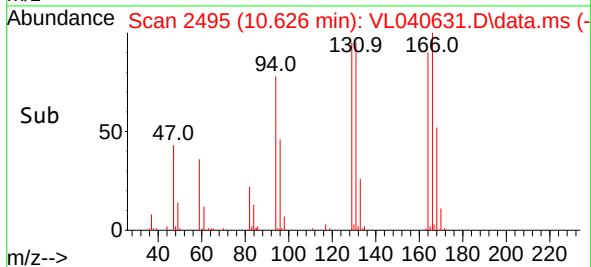
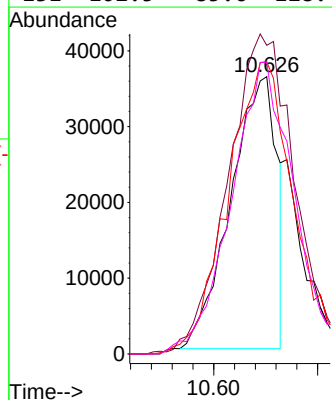
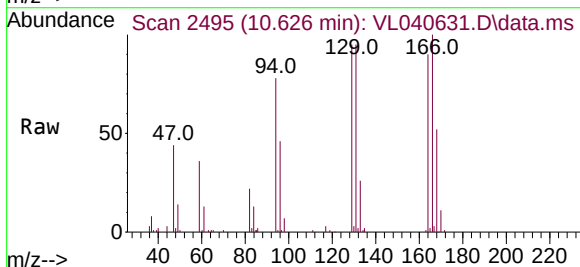
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

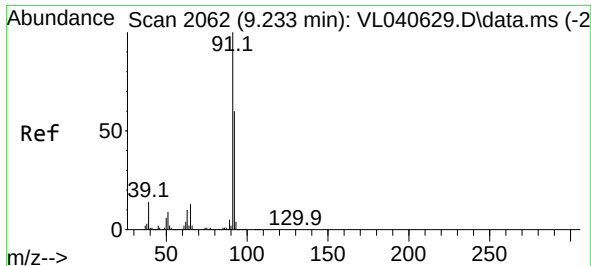
Tgt Ion: 43 Resp: 63310
Ion Ratio Lower Upper
43 100
58 0.0 39.4 59.2#
98 3.6 0.4 0.6#



#52
Tetrachloroethene
Concen: 0.770 ppbv
RT: 10.626 min Scan# 2495
Delta R.T. -0.003 min
Lab File: VL040631.D
Acq: 15 Aug 2023 11:37

Tgt Ion: 164 Resp: 55359
Ion Ratio Lower Upper
164 100
166 108.0 99.5 149.3
129 103.9 86.9 130.3
131 102.5 85.6 128.4





#53

Toluene

Concen: 0.948 ppbv

RT: 9.227 min Scan# 2060

Delta R.T. -0.007 min

Lab File: VL040631.D

Acq: 15 Aug 2023 11:37

Instrument :

MSVOA_L

ClientSampleId :

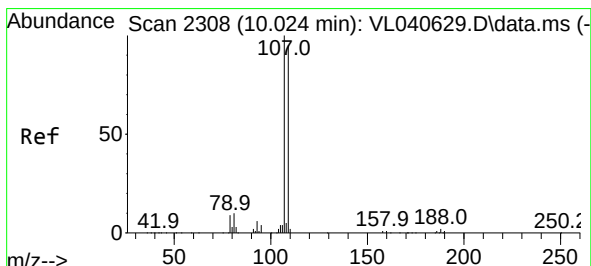
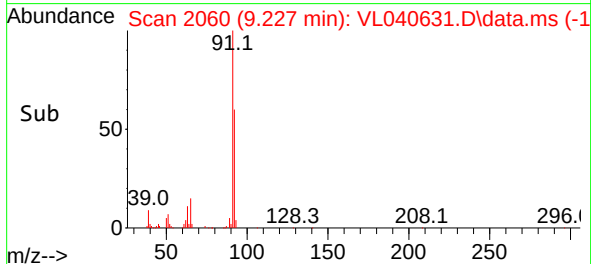
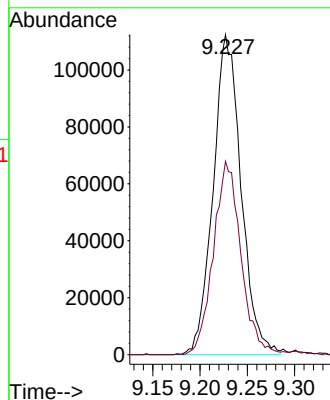
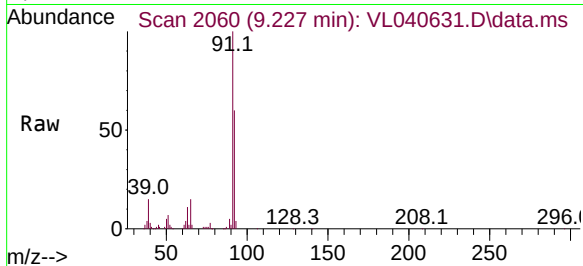
VSTDIC001

Tgt Ion: 91 Resp: 231251

Ion Ratio Lower Upper

91 100

92 60.4 48.0 72.0



#54

1,2-Dibromoethane

Concen: 1.077 ppbv

RT: 10.015 min Scan# 2305

Delta R.T. -0.010 min

Lab File: VL040631.D

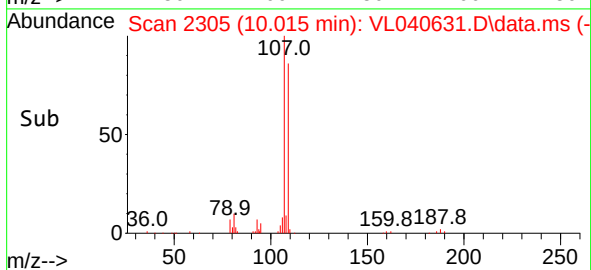
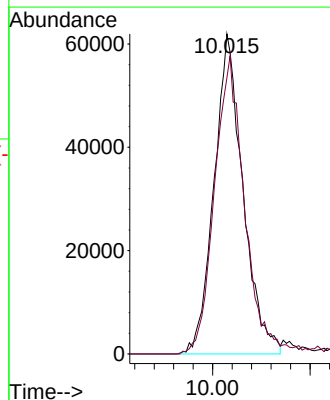
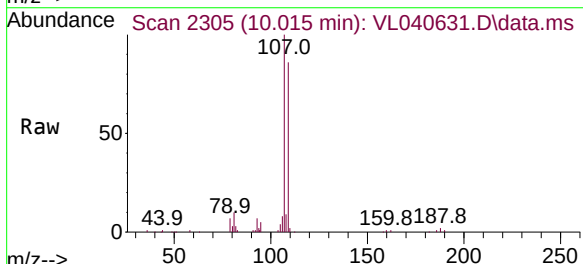
Acq: 15 Aug 2023 11:37

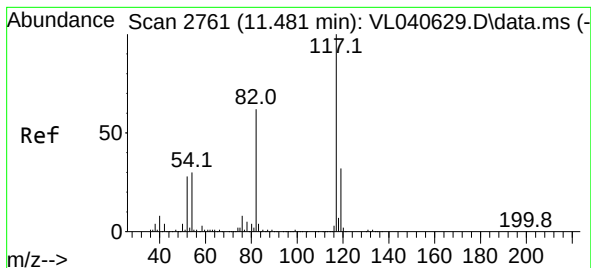
Tgt Ion: 107 Resp: 127537

Ion Ratio Lower Upper

107 100

109 86.0 75.7 113.5

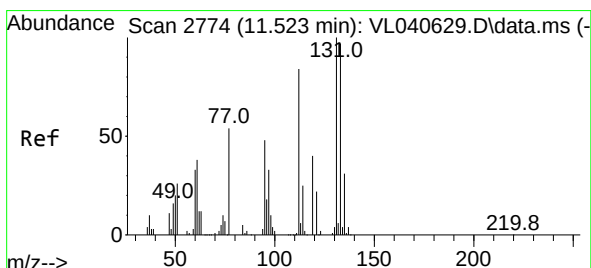
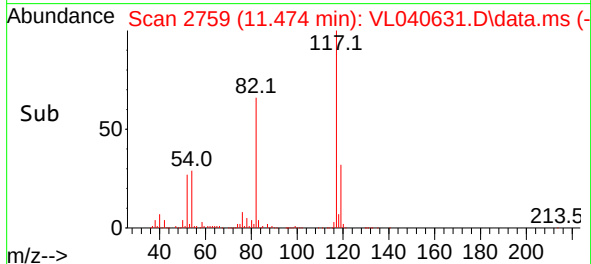
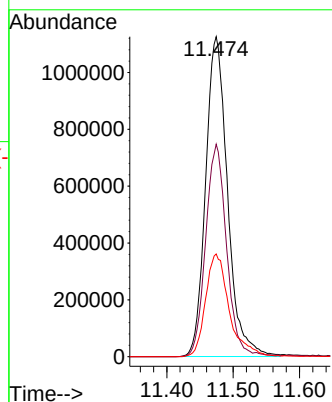
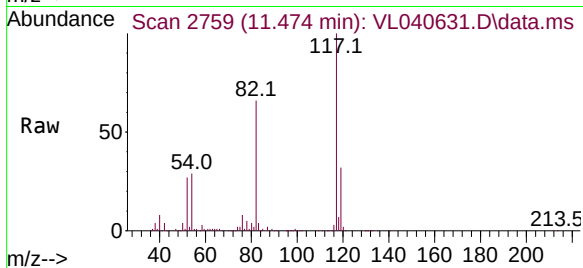




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.474 min Scan# 21
Delta R.T. -0.007 min
Lab File: VL040631.D
Acq: 15 Aug 2023 11:37

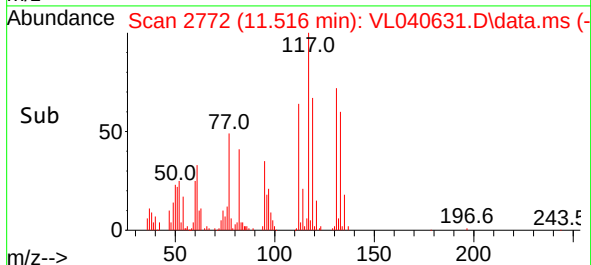
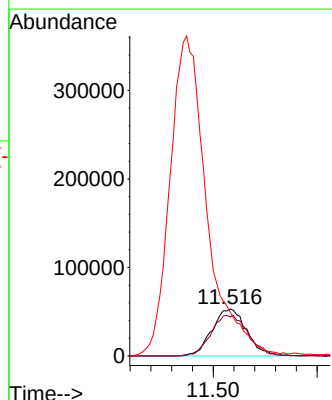
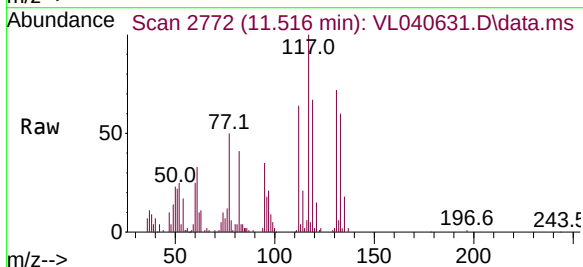
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

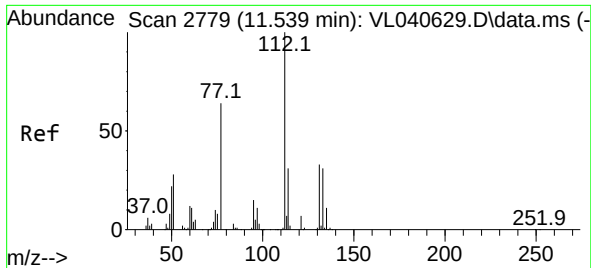
Tgt Ion:117 Resp: 2579190
Ion Ratio Lower Upper
117 100
82 64.4 49.5 74.3
119 34.9 24.5 36.7



#56
1,1,1,2-Tetrachloroethane
Concen: 1.023 ppbv
RT: 11.516 min Scan# 2772
Delta R.T. -0.007 min
Lab File: VL040631.D
Acq: 15 Aug 2023 11:37

Tgt Ion:131 Resp: 122129
Ion Ratio Lower Upper
131 100
133 92.8 75.4 113.0
119 737.9 51.0 76.6#

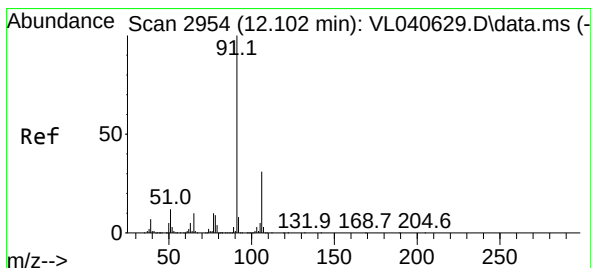
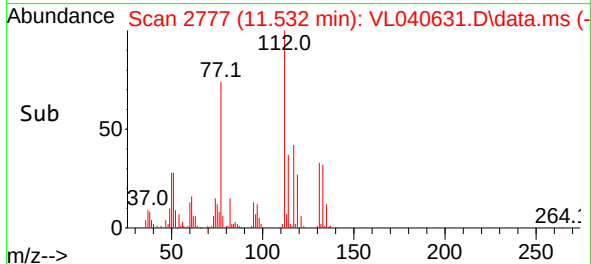
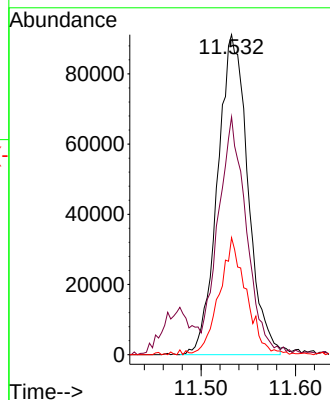
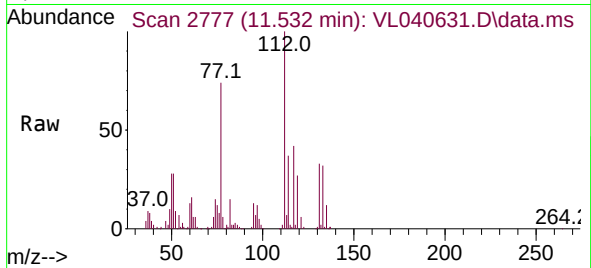




#57
Chlorobenzene
Concen: 1.020 ppbv
RT: 11.532 min Scan# 21
Delta R.T. -0.007 min
Lab File: VL040631.D
Acq: 15 Aug 2023 11:37

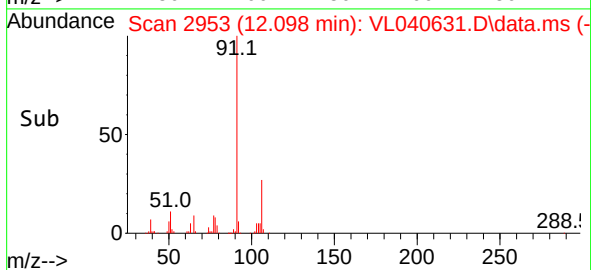
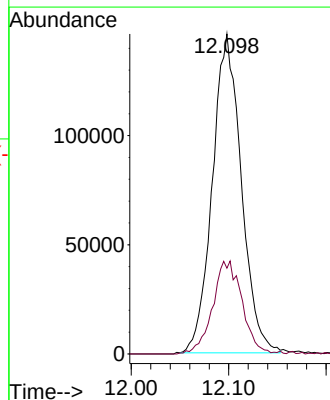
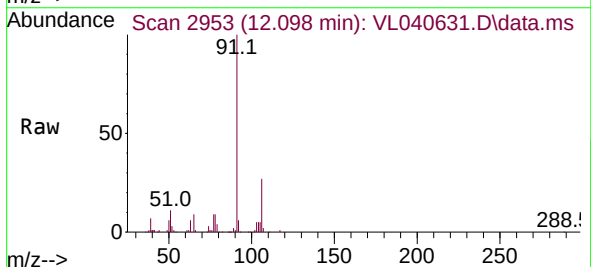
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

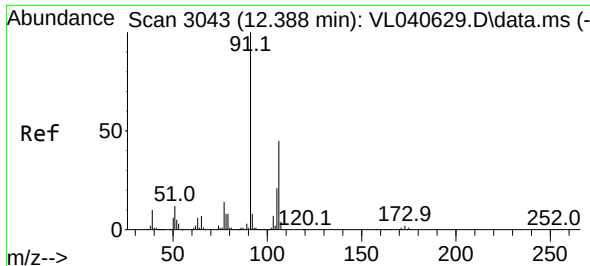
Tgt Ion:112 Resp: 203131
Ion Ratio Lower Upper
112 100
77 72.8 52.5 78.7
114 35.4 27.8 34.0#



#58
Ethyl Benzene
Concen: 0.969 ppbv
RT: 12.098 min Scan# 2953
Delta R.T. -0.003 min
Lab File: VL040631.D
Acq: 15 Aug 2023 11:37

Tgt Ion: 91 Resp: 301417
Ion Ratio Lower Upper
91 100
106 26.6 24.6 36.8





#59

m/p-Xylene

Concen: 0.812 ppbv

RT: 12.378 min Scan# 3040

Delta R.T. -0.010 min

Lab File: VL040631.D

Acq: 15 Aug 2023 11:37

Instrument :

MSVOA_L

ClientSampleId :

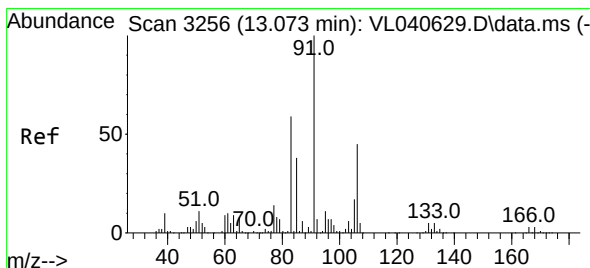
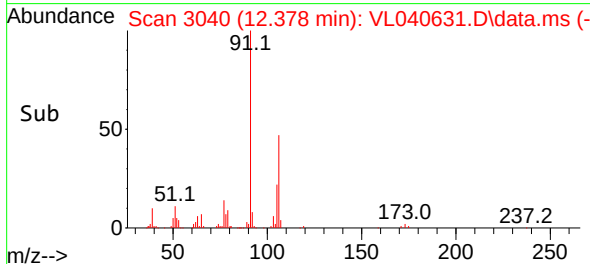
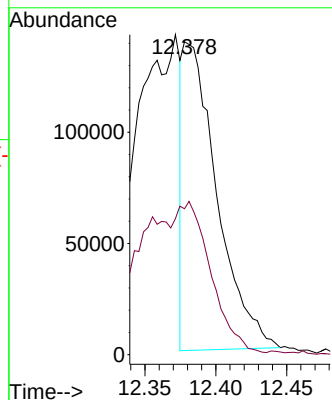
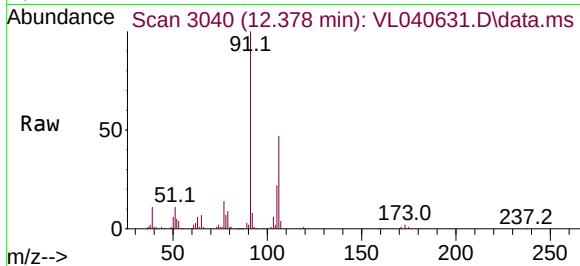
VSTDIC001

Tgt Ion: 91 Resp: 230141

Ion Ratio Lower Upper

91 100

106 107.0 35.3 52.9#



#60

o-Xylene

Concen: 1.001 ppbv

RT: 13.066 min Scan# 3254

Delta R.T. -0.007 min

Lab File: VL040631.D

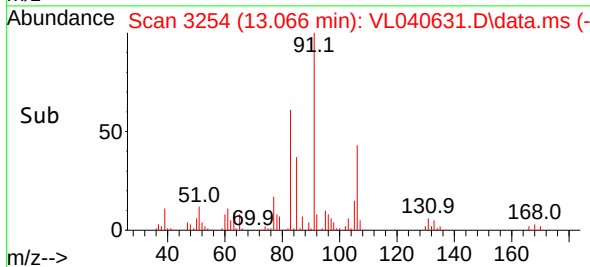
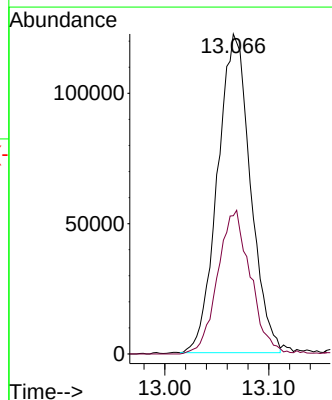
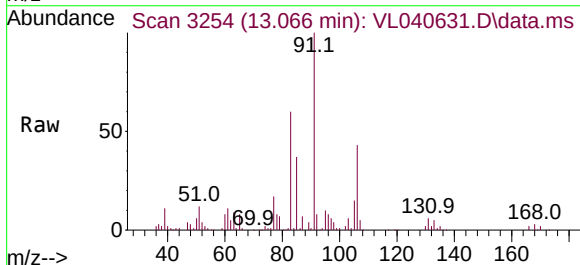
Acq: 15 Aug 2023 11:37

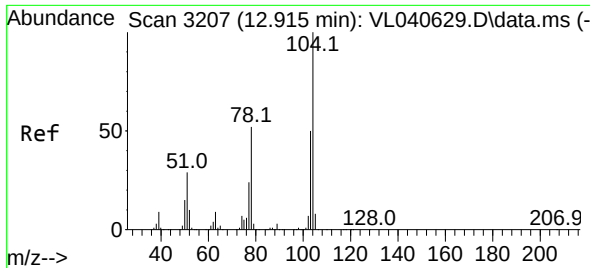
Tgt Ion: 91 Resp: 269200

Ion Ratio Lower Upper

91 100

106 45.2 22.5 67.5

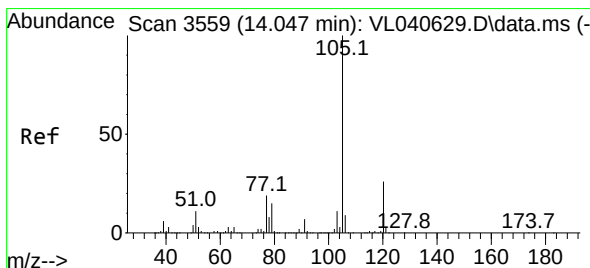
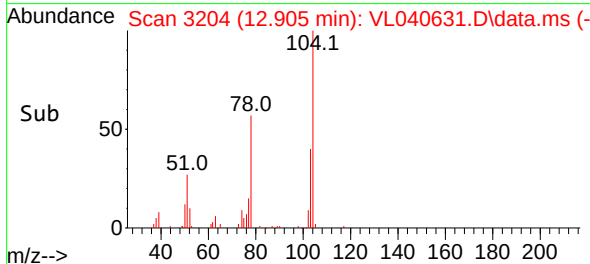
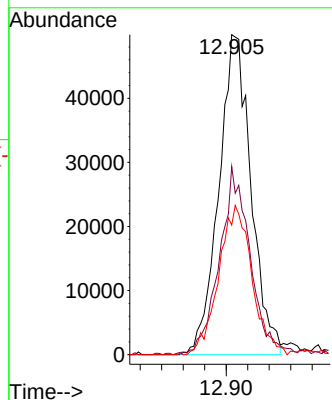
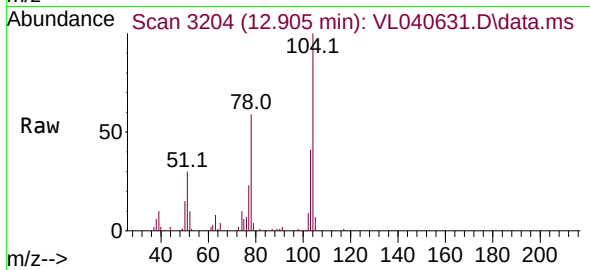




#61
Styrene
Concen: 0.882 ppbv
RT: 12.905 min Scan# 31
Delta R.T. -0.010 min
Lab File: VL040631.D
Acq: 15 Aug 2023 11:37

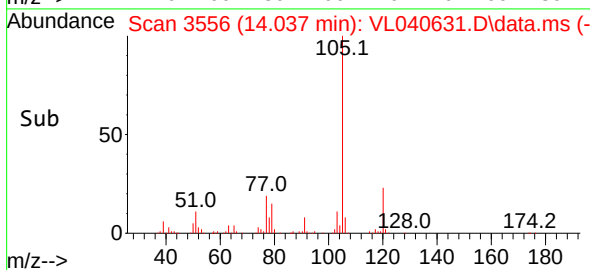
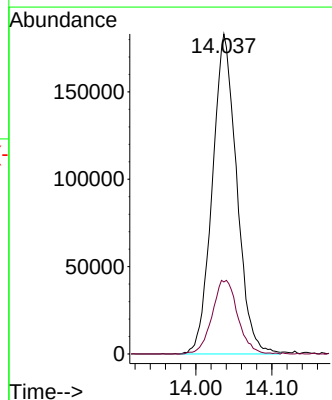
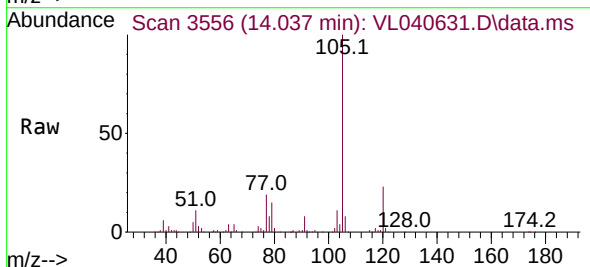
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

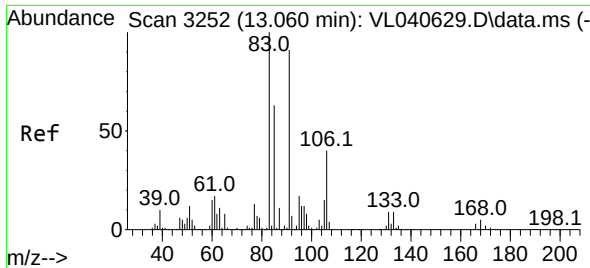
Tgt Ion:104 Resp: 103846
Ion Ratio Lower Upper
104 100
78 56.7 41.0 61.4
103 48.1 37.3 55.9



#62
Isopropylbenzene
Concen: 1.003 ppbv
RT: 14.037 min Scan# 3556
Delta R.T. -0.010 min
Lab File: VL040631.D
Acq: 15 Aug 2023 11:37

Tgt Ion:105 Resp: 408161
Ion Ratio Lower Upper
105 100
120 24.3 20.3 30.5

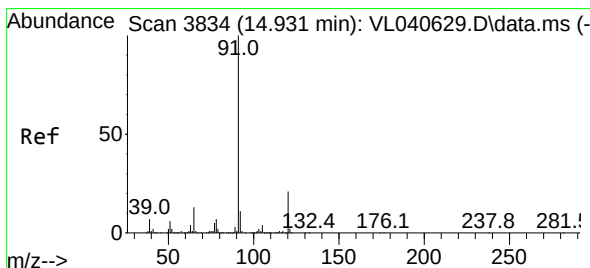
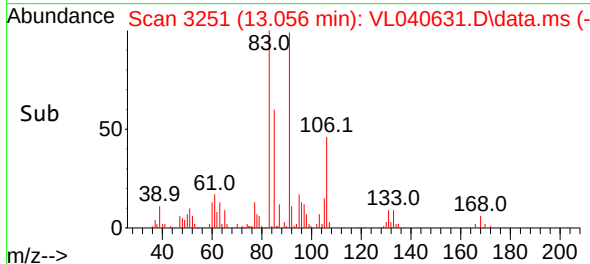
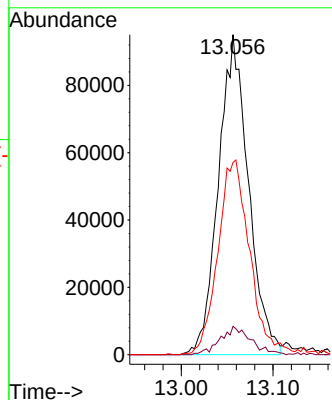
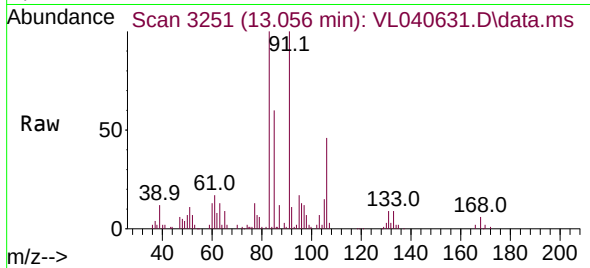




#63
1,1,2,2-Tetrachloroethane
Concen: 1.059 ppbv
RT: 13.056 min Scan# 31
Delta R.T. -0.003 min
Lab File: VL040631.D
Acq: 15 Aug 2023 11:37

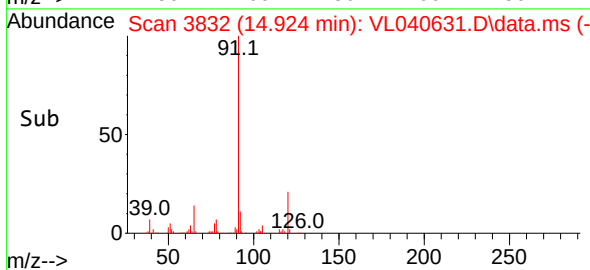
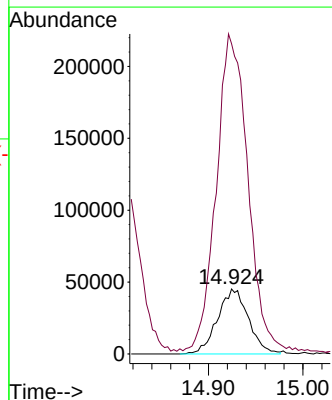
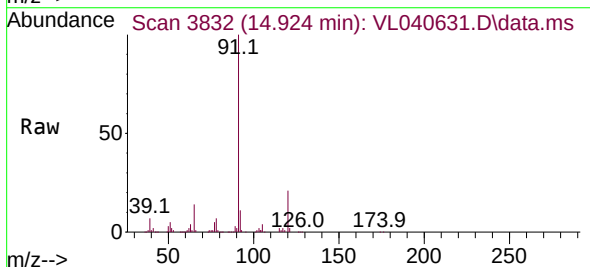
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

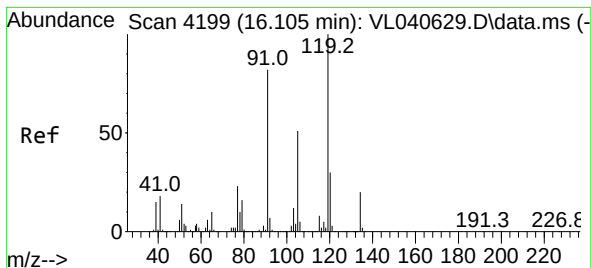
Tgt Ion: 83 Resp: 215885
Ion Ratio Lower Upper
83 100
131 9.1 4.5 13.7
85 66.1 32.4 97.2



#64
n-propylbenzene
Concen: 0.996 ppbv
RT: 14.924 min Scan# 3832
Delta R.T. -0.007 min
Lab File: VL040631.D
Acq: 15 Aug 2023 11:37

Tgt Ion: 120 Resp: 102424
Ion Ratio Lower Upper
120 100
91 514.5 387.8 581.8





#65

tert-Butylbenzene

Concen: 1.014 ppbv

RT: 16.098 min Scan# 4199

Delta R.T. -0.007 min

Lab File: VL040631.D

Acq: 15 Aug 2023 11:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

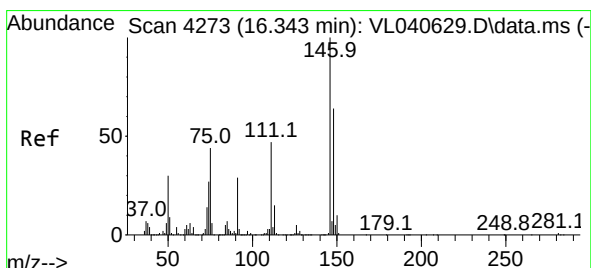
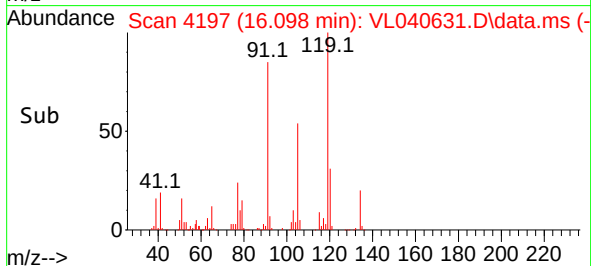
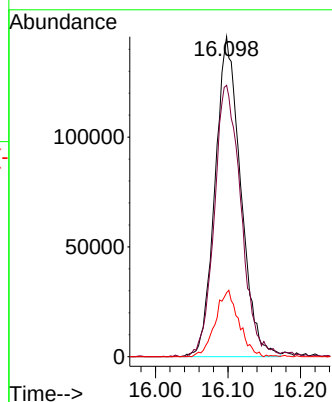
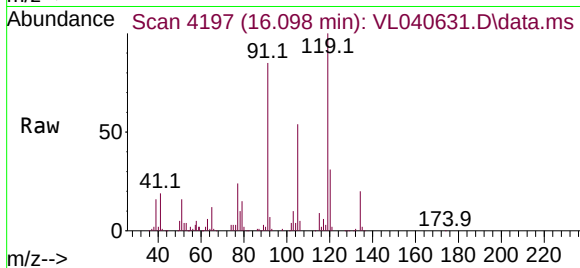
Tgt Ion:119 Resp: 357625

Ion Ratio Lower Upper

119 100

91 89.4 67.8 101.6

134 19.3 15.7 23.5



#66

Benzyl Chloride

Concen: 0.328 ppbv

RT: 16.329 min Scan# 4269

Delta R.T. -0.013 min

Lab File: VL040631.D

Acq: 15 Aug 2023 11:37

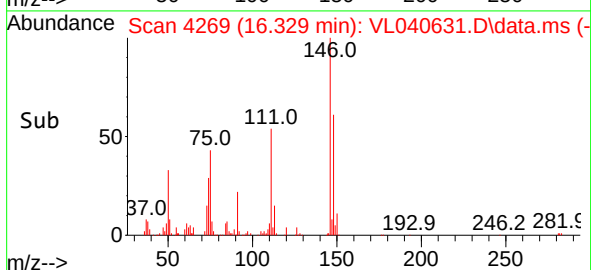
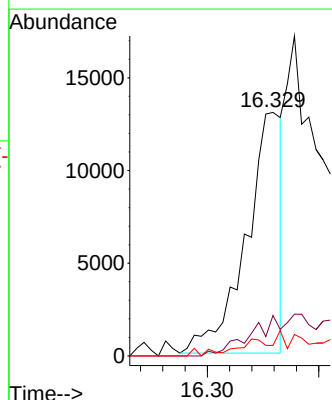
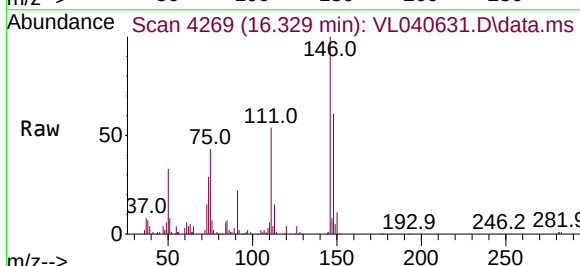
Tgt Ion: 91 Resp: 14421

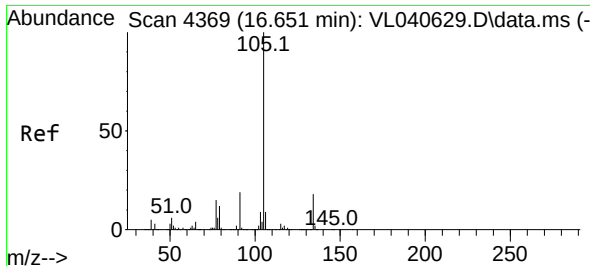
Ion Ratio Lower Upper

91 100

126 0.0 13.6 20.4#

128 19.3 4.3 6.5#

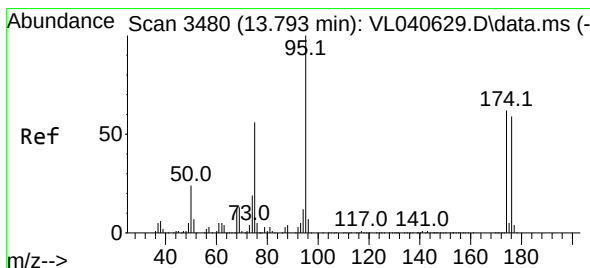
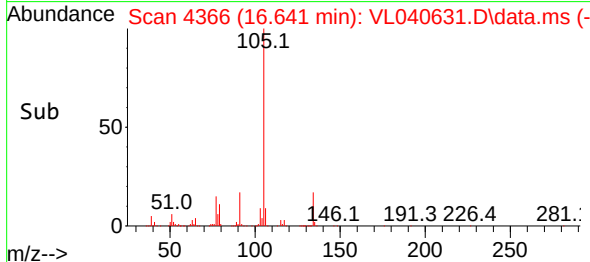
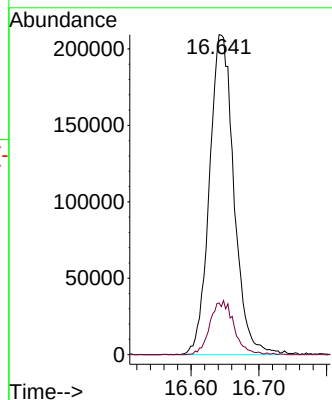
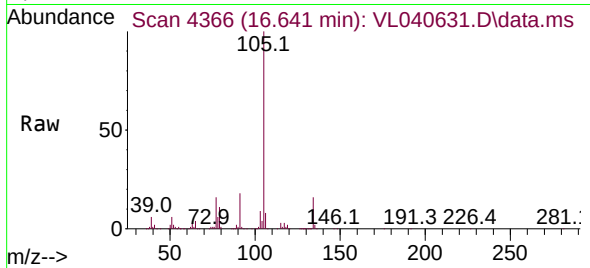




#67
 sec-Butylbenzene
 Concen: 1.020 ppbv
 RT: 16.641 min Scan# 41
 Delta R.T. -0.010 min
 Lab File: VL040631.D
 Acq: 15 Aug 2023 11:37

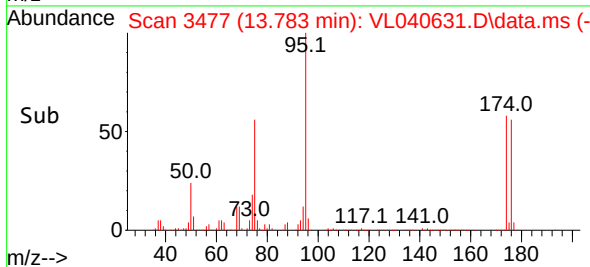
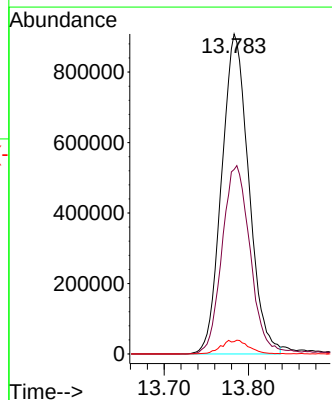
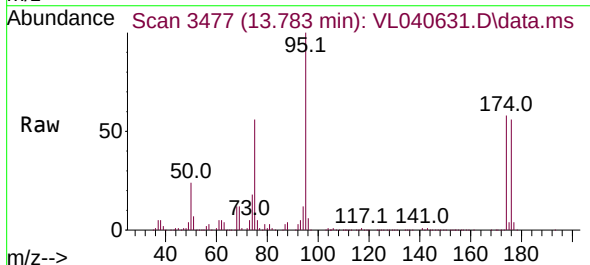
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

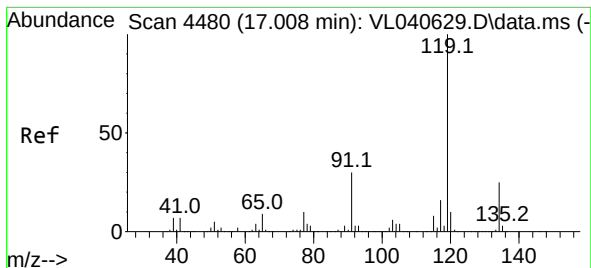
Tgt Ion:105 Resp: 524813
 Ion Ratio Lower Upper
 105 100
 134 16.5 13.8 20.8



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.878 ppbv
 RT: 13.783 min Scan# 3477
 Delta R.T. -0.010 min
 Lab File: VL040631.D
 Acq: 15 Aug 2023 11:37

Tgt Ion: 95 Resp: 2026150
 Ion Ratio Lower Upper
 95 100
 174 62.0 49.1 73.7
 175 4.5 3.7 5.5





#69

p-Isopropyltoluene

Concen: 1.006 ppbv

RT: 17.008 min Scan# 4480

Delta R.T. -0.000 min

Lab File: VL040631.D

Acq: 15 Aug 2023 11:37

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC001

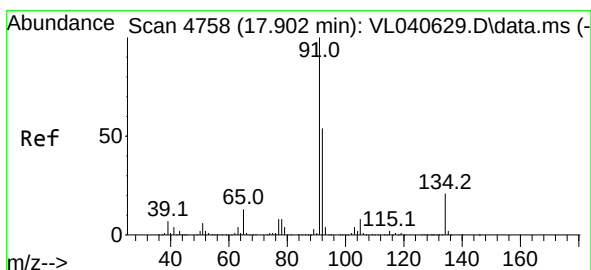
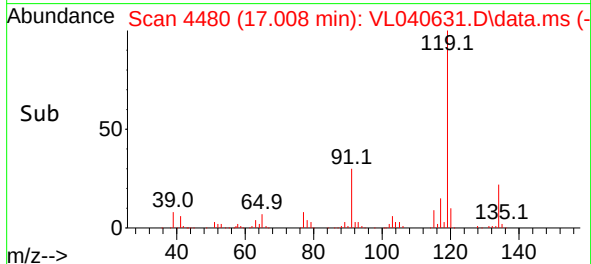
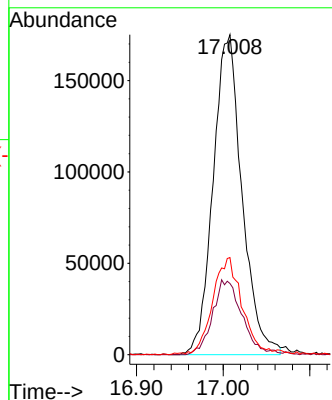
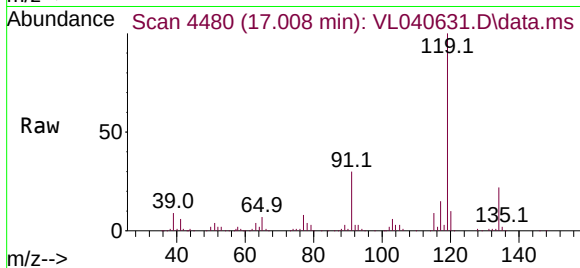
Tgt Ion:119 Resp: 404994

Ion Ratio Lower Upper

119 100

134 24.1 20.2 30.4

91 31.7 24.2 36.4



#70

n-Butylbenzene

Concen: 1.019 ppbv

RT: 17.895 min Scan# 4756

Delta R.T. -0.007 min

Lab File: VL040631.D

Acq: 15 Aug 2023 11:37

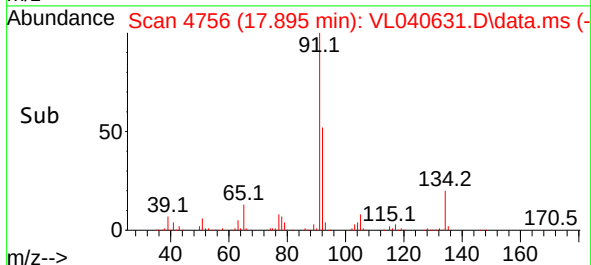
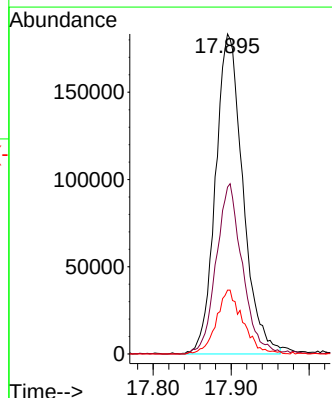
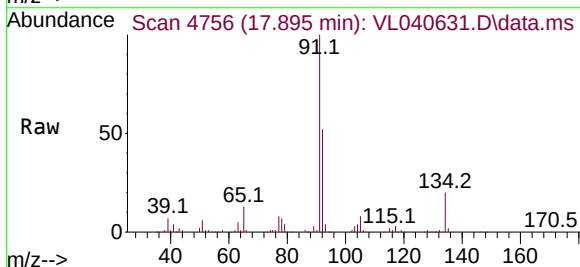
Tgt Ion: 91 Resp: 448062

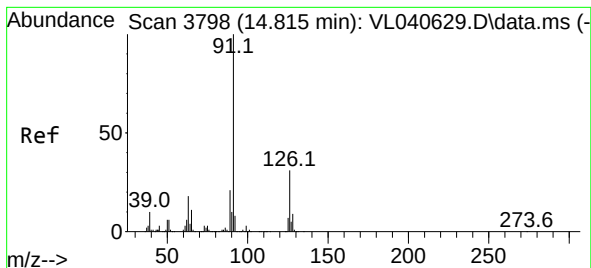
Ion Ratio Lower Upper

91 100

92 51.3 42.9 64.3

134 19.4 17.0 25.6

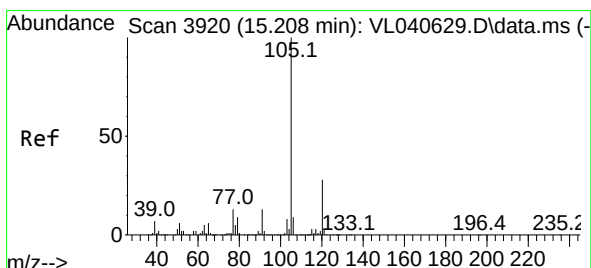
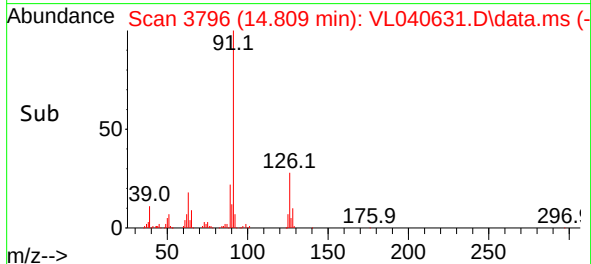
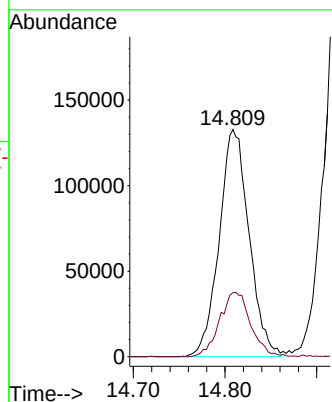
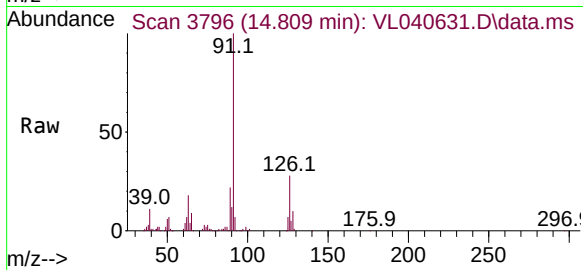




#71
2-Chlorotoluene
Concen: 0.995 ppbv
RT: 14.809 min Scan# 31
Delta R.T. -0.007 min
Lab File: VL040631.D
Acq: 15 Aug 2023 11:37

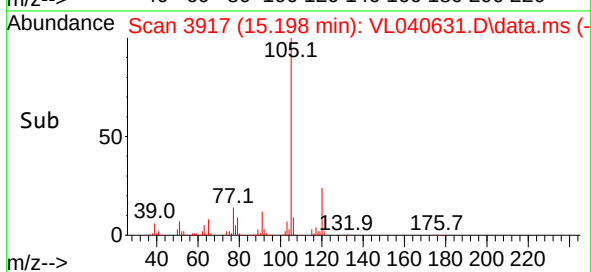
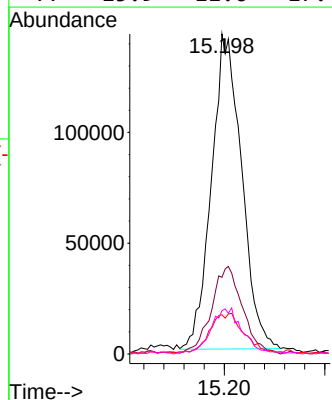
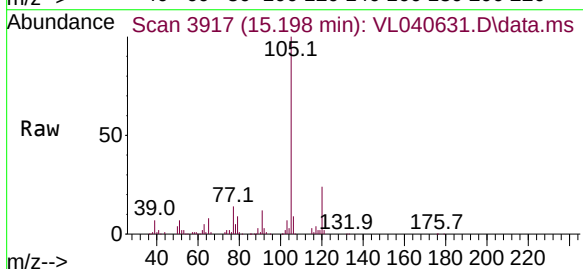
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

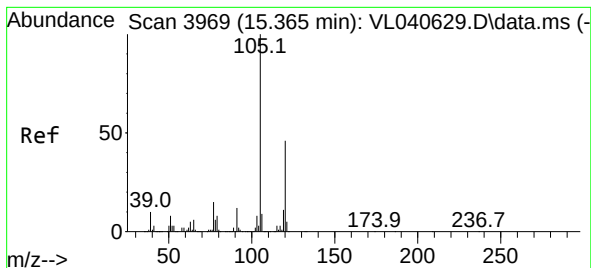
Tgt Ion: 91 Resp: 300354
Ion Ratio Lower Upper
91 100
126 29.5 12.2 49.0



#72
4-Ethyltoluene
Concen: 0.975 ppbv
RT: 15.198 min Scan# 3917
Delta R.T. -0.010 min
Lab File: VL040631.D
Acq: 15 Aug 2023 11:37

Tgt Ion: 105 Resp: 296109
Ion Ratio Lower Upper
105 100
120 29.4 23.0 34.6
91 14.4 10.9 16.3
77 15.9 11.6 17.4





#73

1,3,5-Trimethylbenzene

Concen: 0.984 ppbv

RT: 15.358 min Scan# 3967

Delta R.T. -0.007 min

Lab File: VL040631.D

Acq: 15 Aug 2023 11:37

Instrument :

MSVOA_L

ClientSampleId :

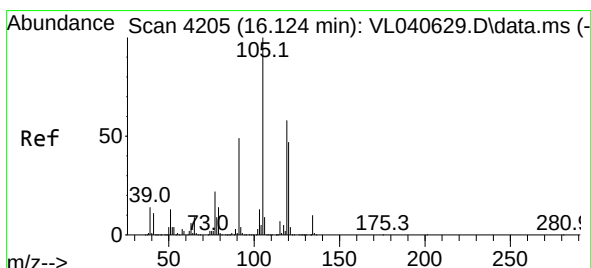
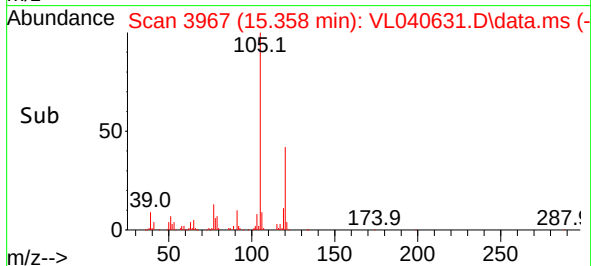
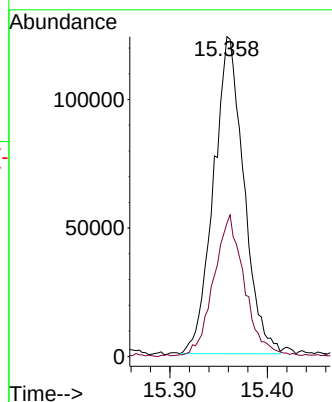
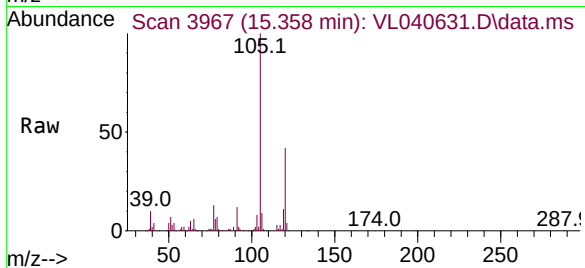
VSTDIC001

Tgt Ion:105 Resp: 266462

Ion Ratio Lower Upper

105 100

120 41.5 36.5 54.7



#74

1,2,4-Trimethylbenzene

Concen: 1.017 ppbv

RT: 16.117 min Scan# 4203

Delta R.T. -0.007 min

Lab File: VL040631.D

Acq: 15 Aug 2023 11:37

Tgt Ion:105 Resp: 322400

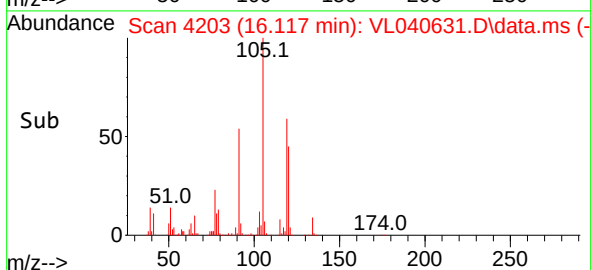
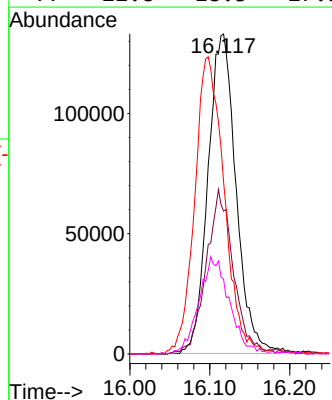
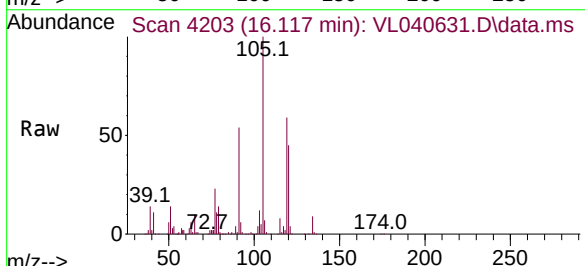
Ion Ratio Lower Upper

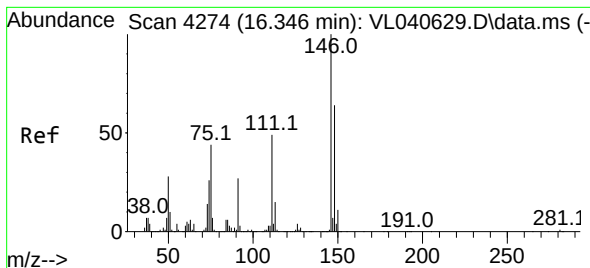
105 100

120 43.8 37.7 56.5

91 52.4 41.2 61.8

77 22.8 18.3 27.5





#75

1,3-Dichlorobenzene

Concen: 0.963 ppbv

RT: 16.339 min Scan# 41

Delta R.T. -0.007 min

Lab File: VL040631.D

Acq: 15 Aug 2023 11:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

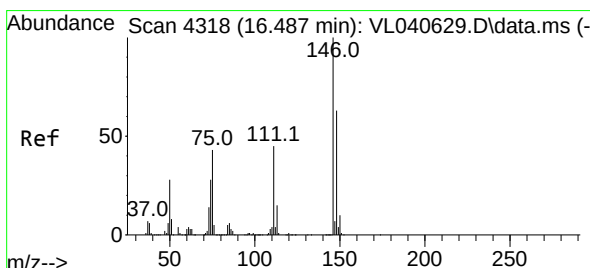
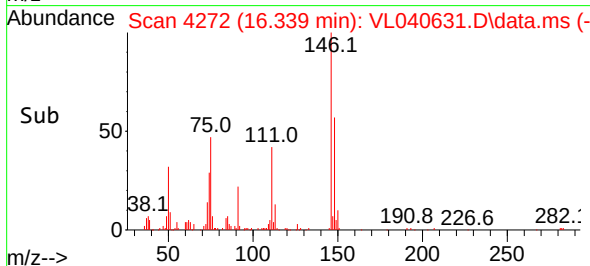
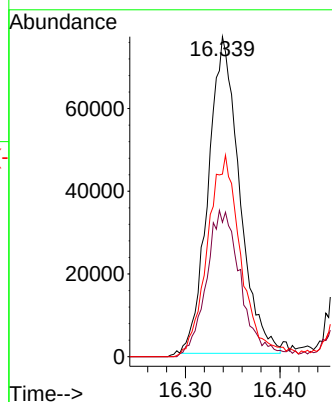
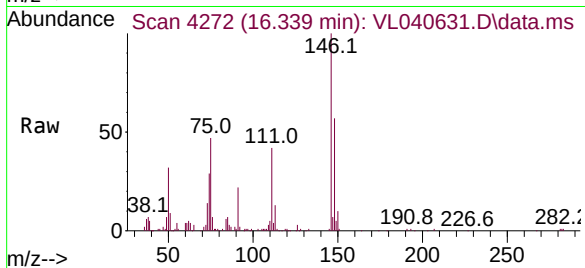
Tgt Ion:146 Resp: 176217

Ion Ratio Lower Upper

146 100

111 51.2 23.7 71.1

148 68.6 31.7 95.1



#76

1,4-Dichlorobenzene

Concen: 0.924 ppbv

RT: 16.484 min Scan# 4317

Delta R.T. -0.003 min

Lab File: VL040631.D

Acq: 15 Aug 2023 11:37

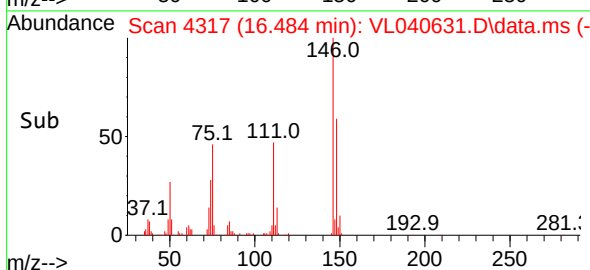
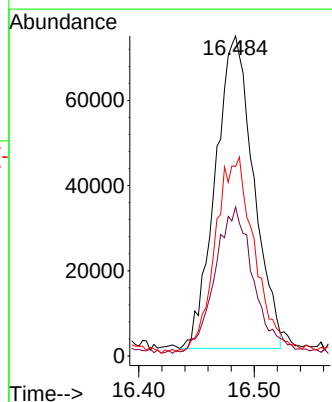
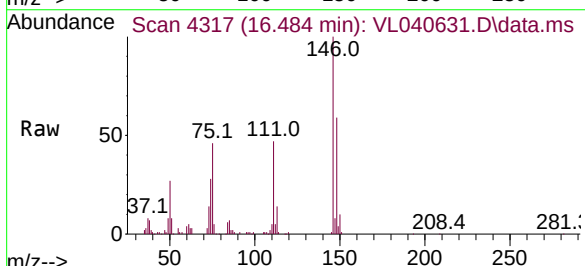
Tgt Ion:146 Resp: 168916

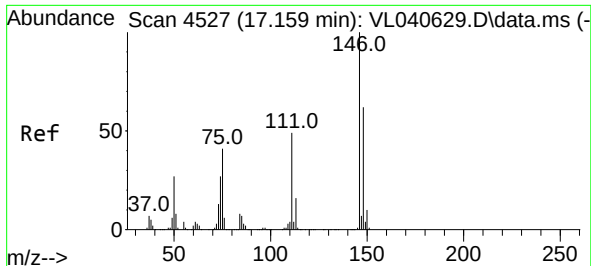
Ion Ratio Lower Upper

146 100

111 51.0 23.2 69.5

148 69.5 32.5 97.5

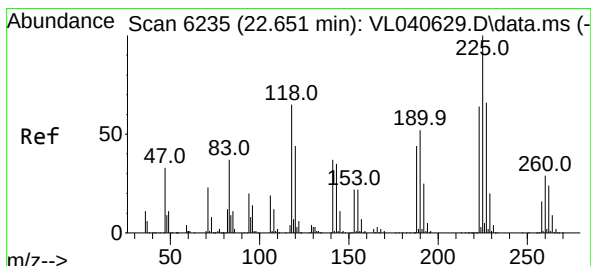
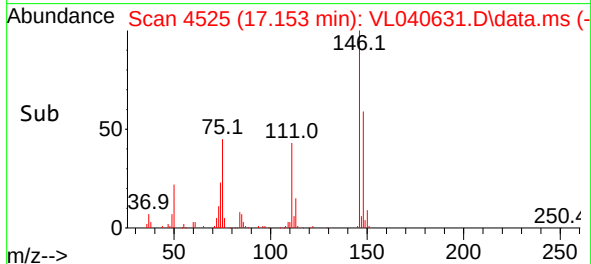
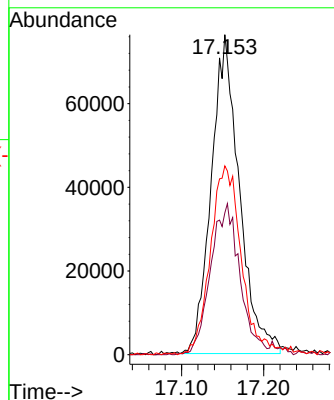
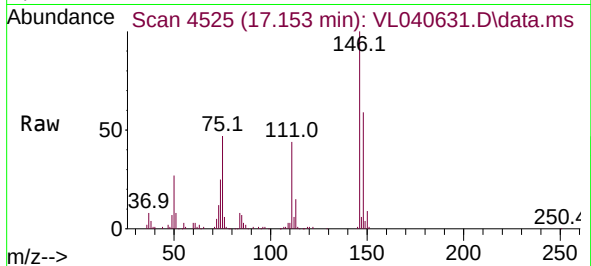




#77
1,2-Dichlorobenzene
Concen: 1.010 ppbv
RT: 17.153 min Scan# 41
Delta R.T. -0.007 min
Lab File: VL040631.D
Acq: 15 Aug 2023 11:37

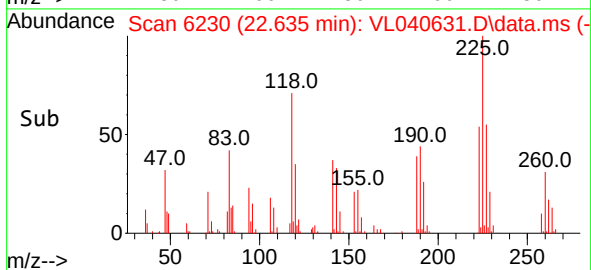
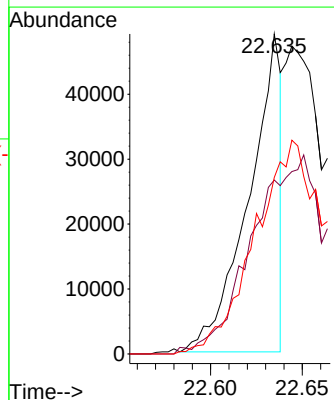
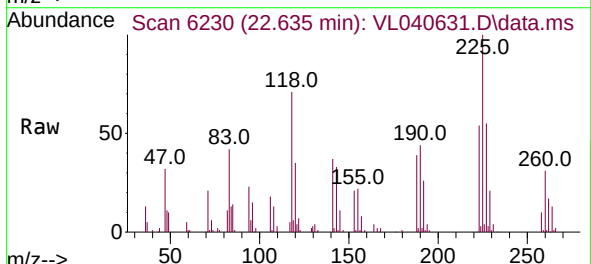
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

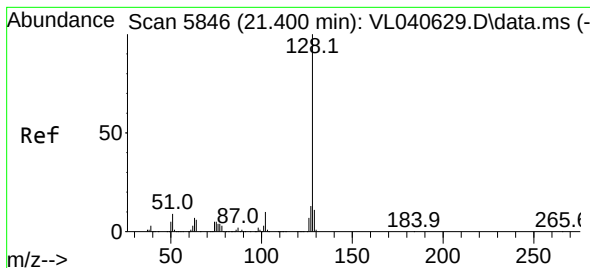
Tgt Ion:146 Resp: 181604
Ion Ratio Lower Upper
146 100
111 51.2 24.6 74.0
148 66.1 32.1 96.5



#78
Hexachloro-1,3-Butadiene
Concen: 0.437 ppbv
RT: 22.635 min Scan# 6230
Delta R.T. -0.016 min
Lab File: VL040631.D
Acq: 15 Aug 2023 11:37

Tgt Ion:225 Resp: 59786
Ion Ratio Lower Upper
225 100
223 0.0 50.6 76.0#
227 0.0 51.2 76.8#





#79

Naphthalene

Concen: 0.952 ppbv

RT: 21.397 min Scan# 5845

Delta R.T. -0.003 min

Lab File: VL040631.D

Acq: 15 Aug 2023 11:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

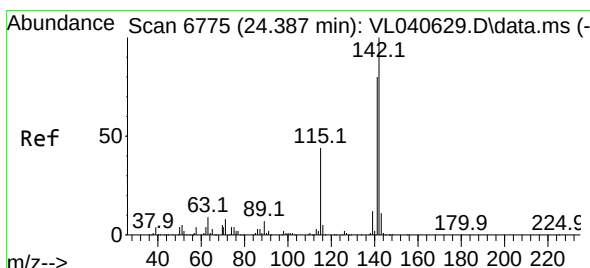
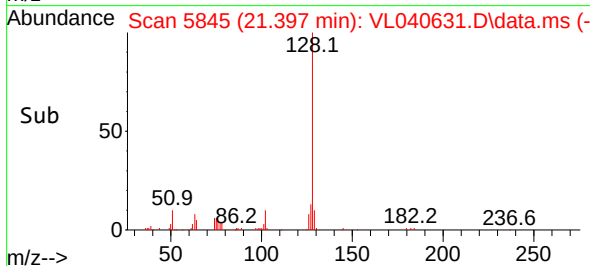
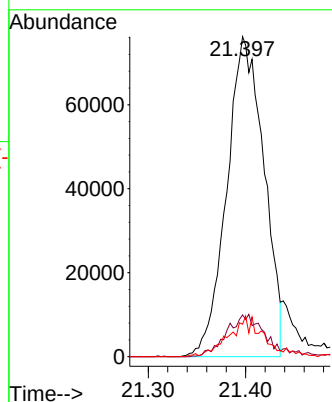
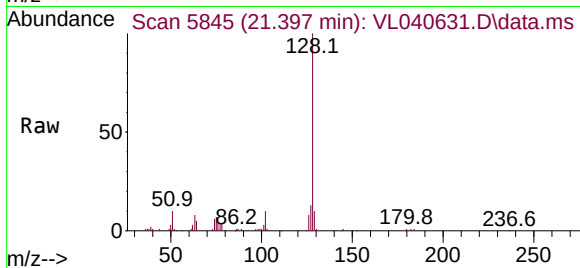
Tgt Ion:128 Resp: 201819

Ion Ratio Lower Upper

128 100

127 13.0 10.1 15.1

129 10.2 9.2 13.8



#80

Naphthalene,2-methyl-

Concen: 0.565 ppbv

RT: 24.390 min Scan# 6776

Delta R.T. 0.003 min

Lab File: VL040631.D

Acq: 15 Aug 2023 11:37

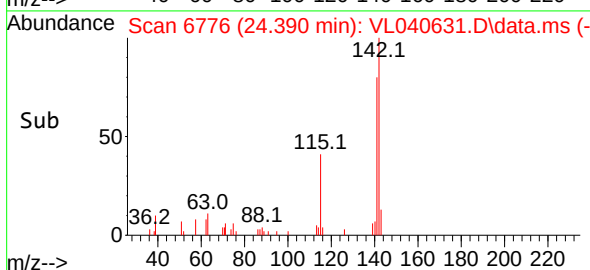
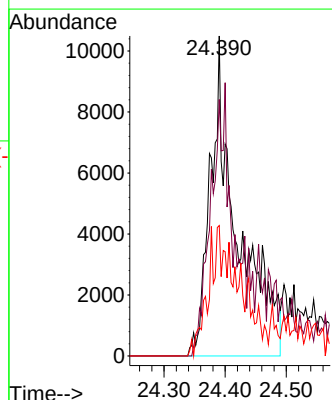
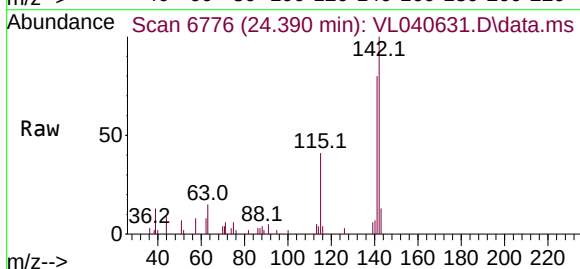
Tgt Ion:142 Resp: 31985

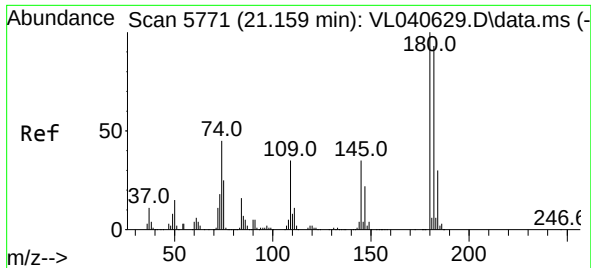
Ion Ratio Lower Upper

142 100

141 80.3 64.6 96.8

115 47.2 33.7 50.5





#81
 1,2,4-Trichlorobenzene
 Concen: 0.718 ppbv
 RT: 21.156 min Scan# 51
 Delta R.T. -0.003 min
 Lab File: VL040631.D
 Acq: 15 Aug 2023 11:37

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tgt Ion:180 Resp: 98897
 Ion Ratio Lower Upper
 180 100
 182 130.2 78.0 117.0#
 184 40.6 24.6 36.8#

