

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091423\
 Data File : VL040686.D
 Acq On : 14 Sep 2023 15:44
 Operator : SY/MD
 Sample : VSTDIC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Quant Time: Sep 15 05:50:54 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	1179873	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.645	114	3083328	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.462	117	2596570	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.773	95	2066579	10.301	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.000%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.719	85	150599	0.579	ppbv	95
3) Chlorodifluoromethane	2.664	51	104728	0.545	ppbv	99
4) Chloromethane	2.803	50	36135	0.491	ppbv	91
5) Vinyl Chloride	2.912	62	45288	0.521	ppbv	88
6) Bromomethane	3.108	94	21645	0.516	ppbv	96
7) Chloroethane	3.182	64	15639	0.524	ppbv #	88
8) Dichlorotetrafluoroethane	2.848	85	112038	0.522	ppbv	94
9) Propene	2.681	41	29099	0.526	ppbv	98
10) Heptane	7.571	43	54871	0.440	ppbv	95
11) Trichlorofluoromethane	3.552	101	122796	0.537	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.050	101	84777	0.519	ppbv	100
13) Ethanol	3.246	45	4480	0.273	ppbv #	37
14) Bromoethene	3.353	108	35283	0.515	ppbv	98
15) Acetone	3.472	43	87641	0.563	ppbv	90
16) 1,3-Butadiene	2.976	39	28350	0.418	ppbv #	68
17) tert-Butyl alcohol	3.880	59	83182	0.522	ppbv	99
18) 1,1-Dichloroethene	3.870	96	37830	0.521	ppbv	98
19) Isopropyl Alcohol	3.578	45	19752	0.211	ppbv #	93
20) Methylene Chloride	3.925	84	57344	0.685	ppbv #	85
21) Allyl Chloride	3.986	41	49266	0.517	ppbv	99
22) trans-1,2-Dichloroethene	4.433	96	36534	0.509	ppbv	93
23) Vinyl Acetate	4.623	43	70779	0.440	ppbv #	92
24) 1,1-Dichloroethane	4.552	63	77831	0.517	ppbv	99
25) Ethyl Acetate	5.201	43	120281	0.479	ppbv	98
26) Hexane	5.205	57	61415	0.517	ppbv	93
27) Carbon Disulfide	4.111	76	75051	0.453	ppbv #	80
28) Methyl tert-Butyl Ether	4.587	73	49068	0.481	ppbv	94
29) Chloroform	5.262	83	109121	0.533	ppbv	97
30) Cyclohexane	6.594	84	32652	0.365	ppbv #	85
31) cis-1,2-Dichloroethene	5.070	61	53015	0.481	ppbv #	82
32) 1,1,1-Trichloroethane	5.996	97	104373	0.498	ppbv	97
34) 2-Butanone	4.787	43	34030	0.219	ppbv #	30
35) Carbon Tetrachloride	6.481	117	103493	0.489	ppbv #	95
36) Benzene	6.362	78	111584	0.489	ppbv	97
37) 1,2-Dichloroethane	5.803	62	32454	0.208	ppbv #	84
38) Trichloroethene	7.285	130	25073	0.288	ppbv #	81
39) 1,2-Dichloropropane	7.063	63	35892	0.408	ppbv	91
40) 1,4-Dioxane	7.295	88	926	0.028	ppbv #	1
41) Tetrahydrofuran	5.545	42	807	0.010	ppbv #	33
42) Bromodichloromethane	7.243	83	100846	0.473	ppbv	96
43) Methyl Methacrylate	7.478	69	23368	0.275	ppbv #	51
44) 2,2,4-Trimethylpentane	7.323	57	156781	0.431	ppbv #	89
45) t-1,3-Dichloropropene	8.706	75	13885	0.211	ppbv	92

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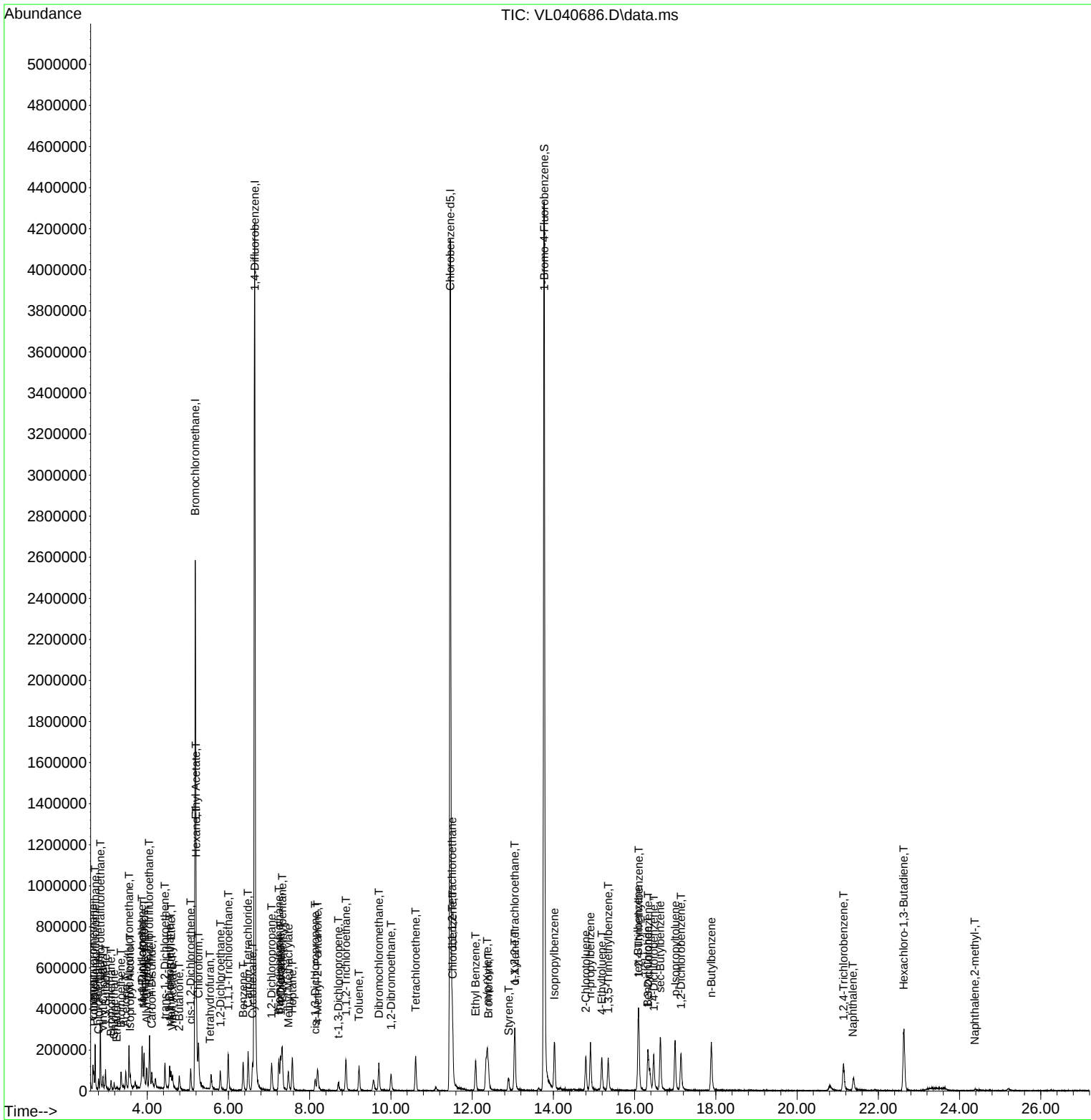
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091423AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Sep 14 19:50:34 2023
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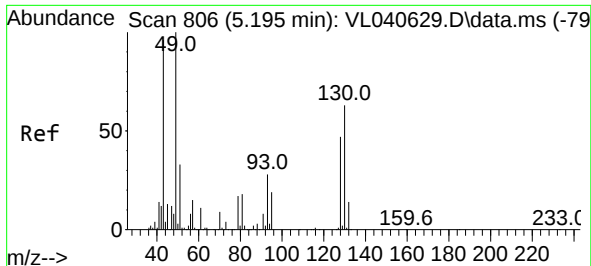
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.137	75	26285	0.326	ppbv	94
47) 1,1,2-Trichloroethane	8.893	97	51182	0.507	ppbv	89
48) Dibromochloromethane	9.703	129	68529	0.412	ppbv	92
49) Bromoform	12.404	173	36332	0.266	ppbv #	56
50) 4-Methyl-2-Pentanone	8.192	43	82159	0.392	ppbv	98
52) Tetrachloroethene	10.610	164	19700	0.265	ppbv	90
53) Toluene	9.214	91	59525	0.247	ppbv #	53
54) 1,2-Dibromoethane	10.002	107	58769	0.457	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.507	131	24837	0.201	ppbv #	1
57) Chlorobenzene	11.523	112	101641	0.517	ppbv #	94
58) Ethyl Benzene	12.082	91	119931	0.405	ppbv	96
59) m/p-Xylene	12.371	91	132258	0.476	ppbv #	32
60) o-Xylene	13.053	91	111196	0.419	ppbv	99
61) Styrene	12.902	104	17869	0.161	ppbv #	13
62) Isopropylbenzene	14.021	105	95964	0.240	ppbv #	50
63) 1,1,2,2-Tetrachloroethane	13.047	83	111583	0.537	ppbv	99
64) n-propylbenzene	14.912	120	40612	0.406	ppbv	71
65) tert-Butylbenzene	16.085	119	87388	0.243	ppbv #	21
66) Benzyl Chloride	16.323	91	4174	0.100	ppbv #	69
67) sec-Butylbenzene	16.632	105	122166	0.238	ppbv #	60
69) p-Isopropyltoluene	16.998	119	167249	0.414	ppbv	94
70) n-Butylbenzene	17.889	91	109370	0.246	ppbv #	58
71) 2-Chlorotoluene	14.796	91	122803	0.415	ppbv	97
72) 4-Ethyltoluene	15.195	105	115790	0.389	ppbv #	95
73) 1,3,5-Trimethylbenzene	15.352	105	109668	0.410	ppbv	93
74) 1,2,4-Trimethylbenzene	16.104	105	153974	0.472	ppbv #	91
75) 1,3-Dichlorobenzene	16.330	146	61175	0.329	ppbv #	59
76) 1,4-Dichlorobenzene	16.474	146	52275	0.286	ppbv #	45
77) 1,2-Dichlorobenzene	17.143	146	47510	0.257	ppbv #	20
78) Hexachloro-1,3-Butadiene	22.625	225	17737	0.127	ppbv #	1
79) Naphthalene	21.374	128	19665	0.097	ppbv #	92
80) Naphthalene,2-methyl-	24.374	142	5603	0.113	ppbv #	80
81) 1,2,4-Trichlorobenzene	21.146	180	44041	0.332	ppbv #	74

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

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MSVOA_L
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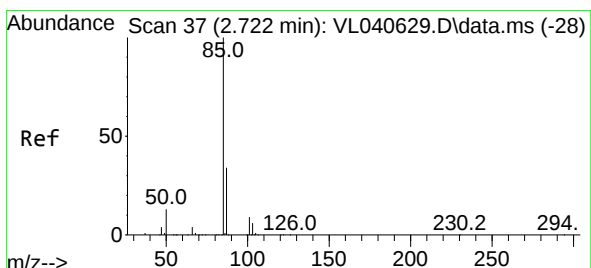
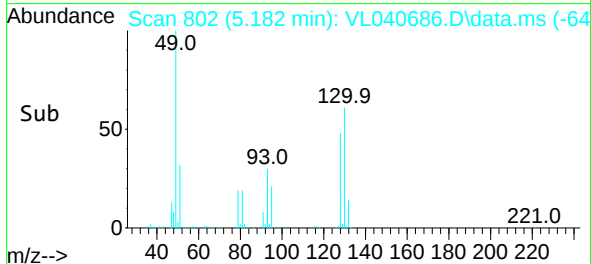
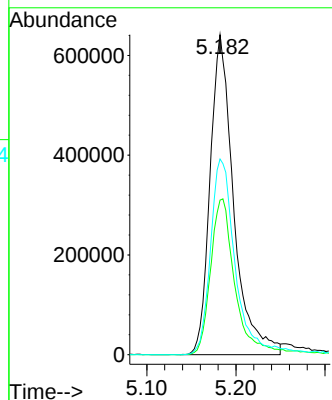
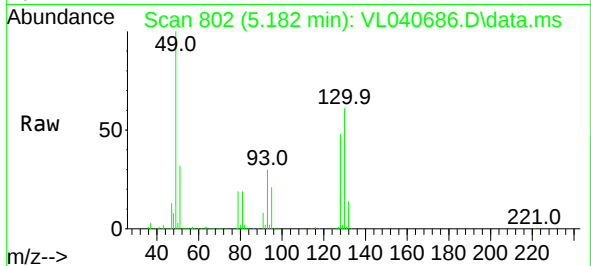




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.182 min Scan# 80
Delta R.T. -0.003 min
Lab File: VL040686.D
Acq: 14 Sep 2023 15:44

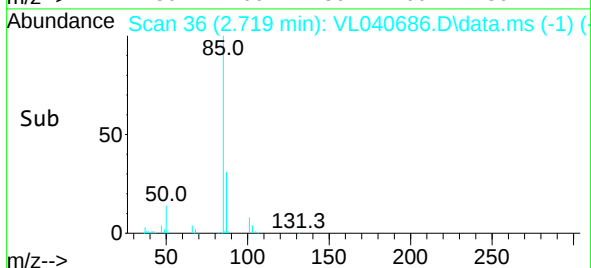
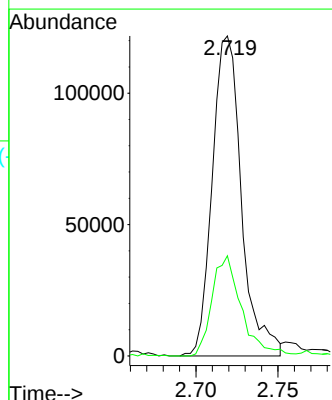
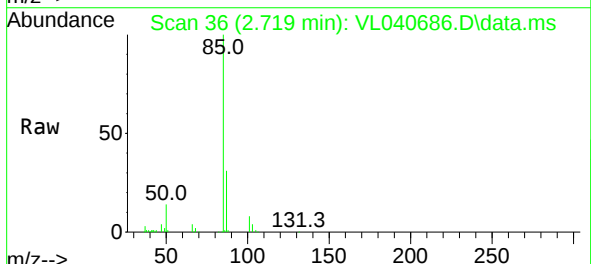
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MSVOA_L
ClientSampleId :
VSTDIC0.5

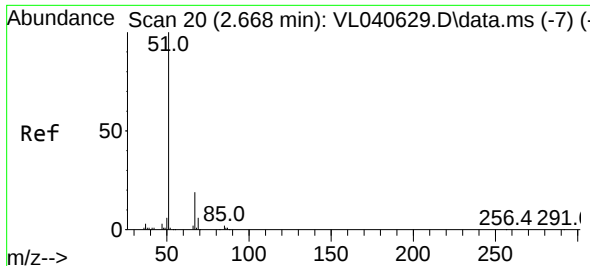
Tgt Ion: 49 Resp: 1179873
Ion Ratio Lower Upper
49 100
128 51.9 25.4 76.0
130 66.4 32.3 96.8



#2
Dichlorodifluoromethane
Concen: 0.579 ppbv
RT: 2.719 min Scan# 36
Delta R.T. -0.000 min
Lab File: VL040686.D
Acq: 14 Sep 2023 15:44

Tgt Ion: 85 Resp: 150599
Ion Ratio Lower Upper
85 100
87 31.3 27.2 40.8

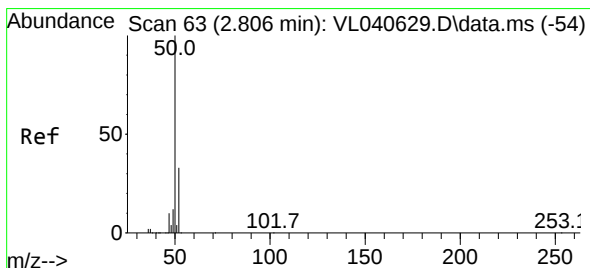
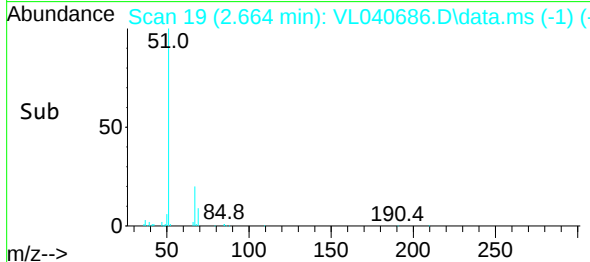
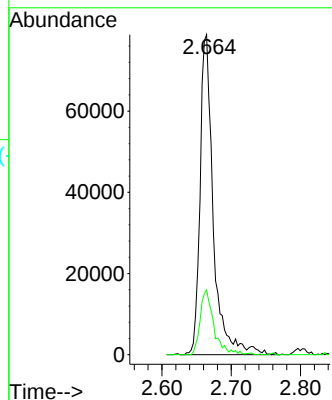
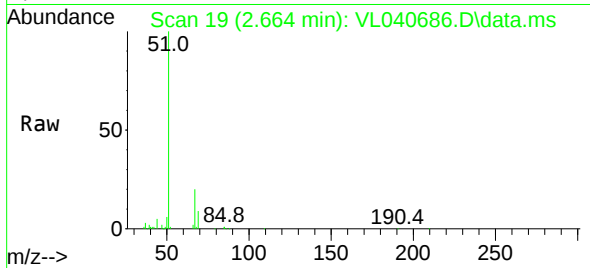




#3
Chlorodifluoromethane
Concen: 0.545 ppbv
RT: 2.664 min Scan# 19
Delta R.T. -0.000 min
Lab File: VL040686.D
Acq: 14 Sep 2023 15:44

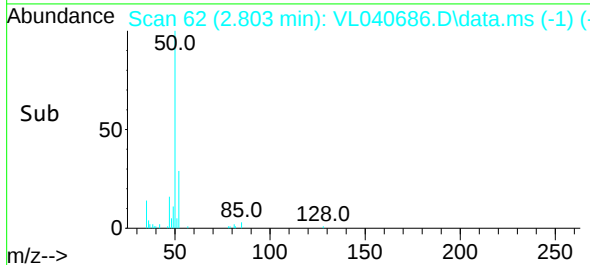
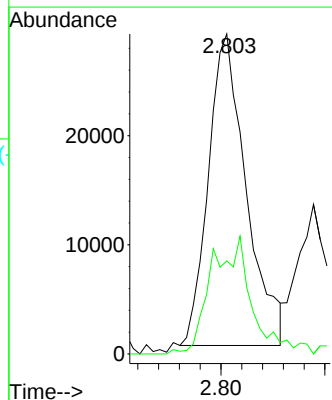
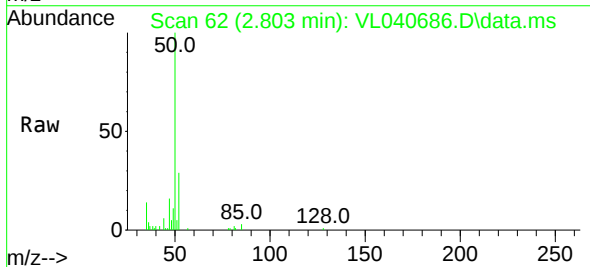
Instrument :
MSVOA_L
ClientSampleId :
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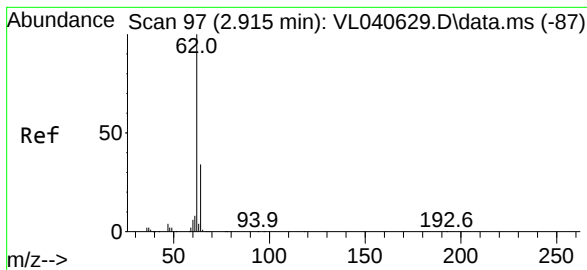
Tgt Ion: 51 Resp: 104728
Ion Ratio Lower Upper
51 100
67 21.2 16.7 25.1



#4
Chloromethane
Concen: 0.491 ppbv
RT: 2.803 min Scan# 62
Delta R.T. -0.000 min
Lab File: VL040686.D
Acq: 14 Sep 2023 15:44

Tgt Ion: 50 Resp: 36135
Ion Ratio Lower Upper
50 100
52 29.0 27.1 40.7

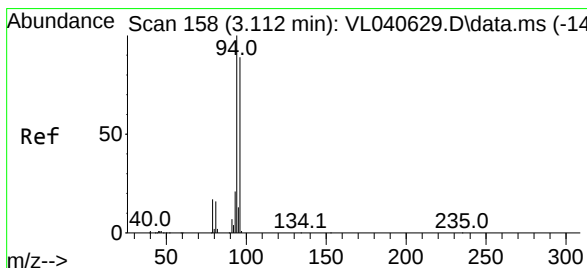
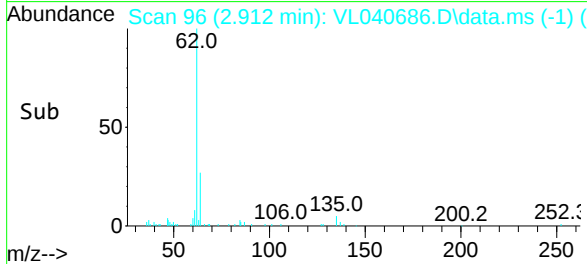
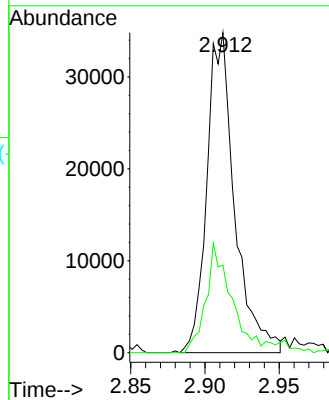
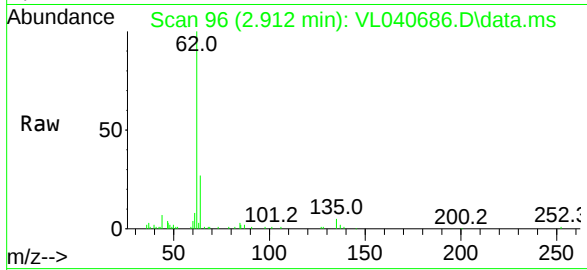




#5
 Vinyl Chloride
 Concen: 0.521 ppbv
 RT: 2.912 min Scan# 90
 Delta R.T. 0.003 min
 Lab File: VL040686.D
 Acq: 14 Sep 2023 15:44

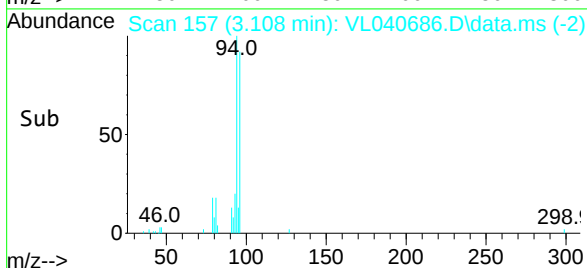
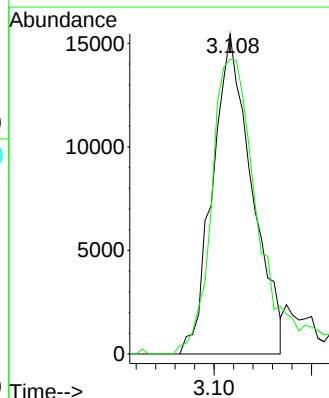
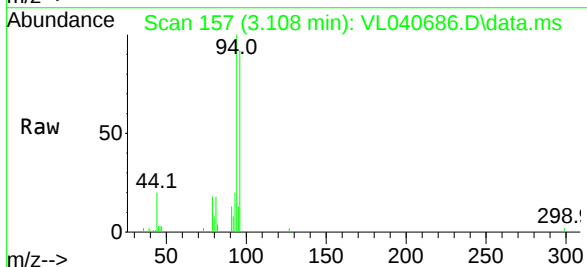
Instrument :
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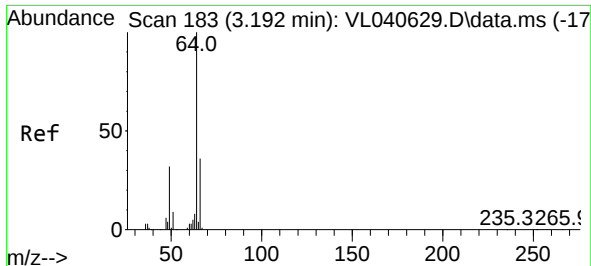
Tgt Ion: 62 Resp: 45288
 Ion Ratio Lower Upper
 62 100
 64 27.3 27.2 40.8



#6
 Bromomethane
 Concen: 0.516 ppbv
 RT: 3.108 min Scan# 157
 Delta R.T. -0.000 min
 Lab File: VL040686.D
 Acq: 14 Sep 2023 15:44

Tgt Ion: 94 Resp: 21645
 Ion Ratio Lower Upper
 94 100
 96 89.4 74.4 111.6

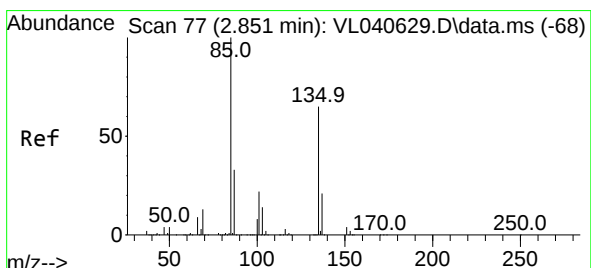
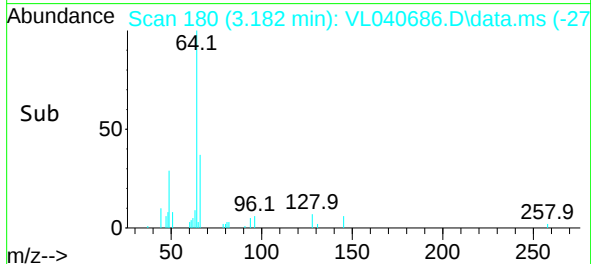
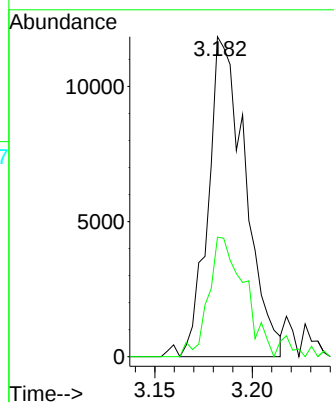
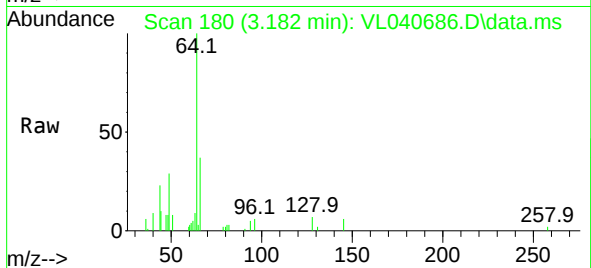




#7
Chloroethane
Concen: 0.524 ppbv
RT: 3.182 min Scan# 11
Delta R.T. -0.006 min
Lab File: VL040686.D
Acq: 14 Sep 2023 15:44

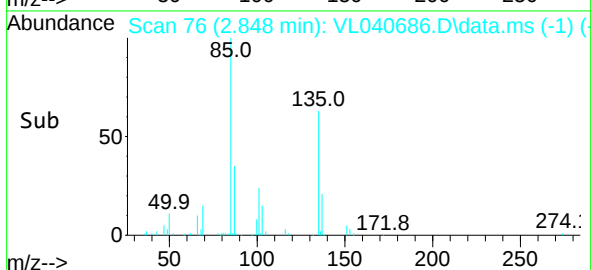
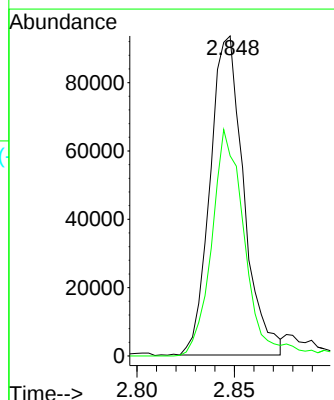
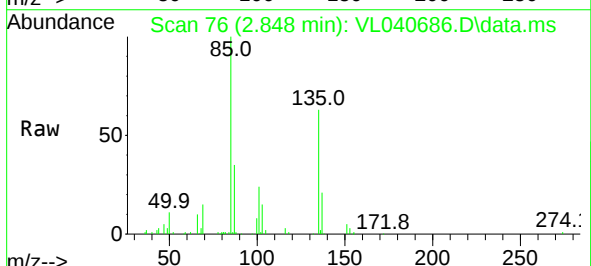
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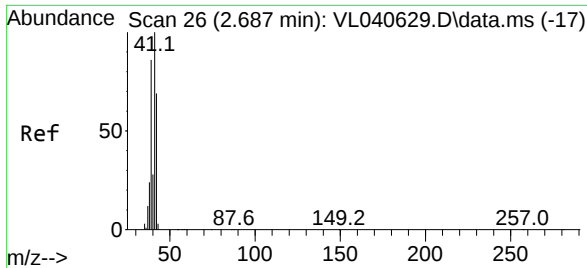
Tgt Ion: 64 Resp: 15639
Ion Ratio Lower Upper
64 100
66 37.4 24.5 36.7#



#8
Dichlorotetrafluoroethane
Concen: 0.522 ppbv
RT: 2.848 min Scan# 76
Delta R.T. -0.000 min
Lab File: VL040686.D
Acq: 14 Sep 2023 15:44

Tgt Ion: 85 Resp: 112038
Ion Ratio Lower Upper
85 100
135 71.5 53.4 80.2

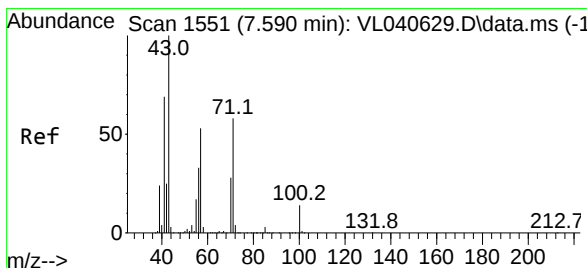
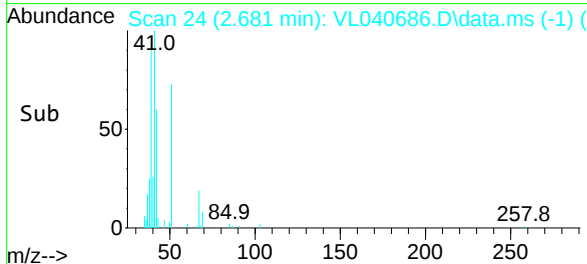
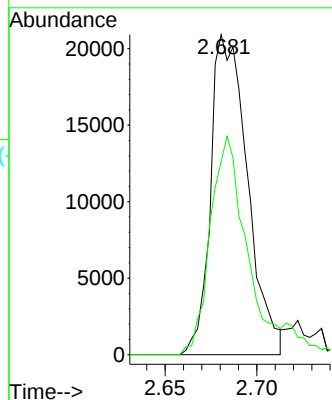
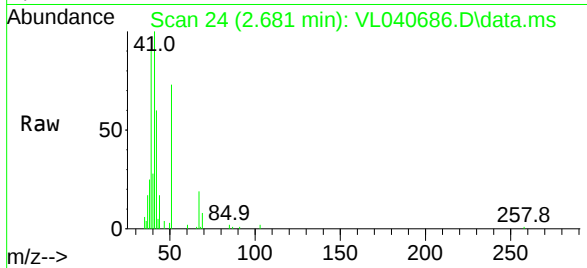




#9
 Propene
 Concen: 0.526 ppbv
 RT: 2.681 min Scan# 24
 Delta R.T. -0.003 min
 Lab File: VL040686.D
 Acq: 14 Sep 2023 15:44

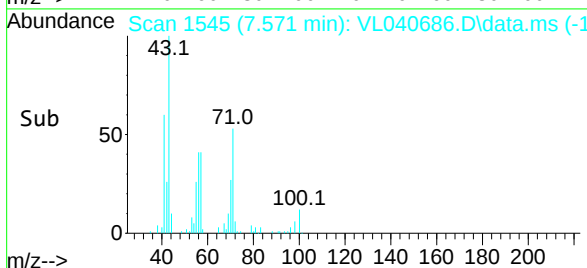
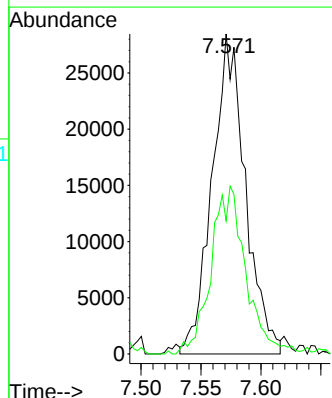
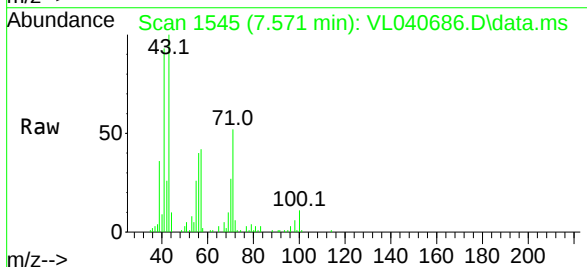
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.5

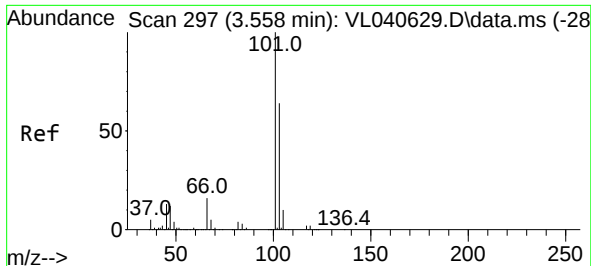
Tgt Ion: 41 Resp: 29099
 Ion Ratio Lower Upper
 41 100
 42 72.8 56.7 85.1



#10
 Heptane
 Concen: 0.440 ppbv
 RT: 7.571 min Scan# 1545
 Delta R.T. -0.003 min
 Lab File: VL040686.D
 Acq: 14 Sep 2023 15:44

Tgt Ion: 43 Resp: 54871
 Ion Ratio Lower Upper
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 57 55.6 41.8 62.6

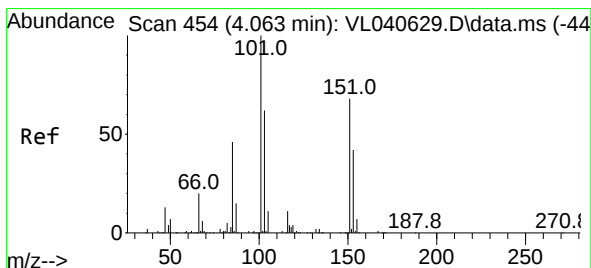
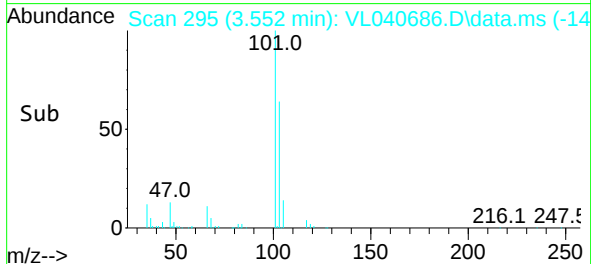
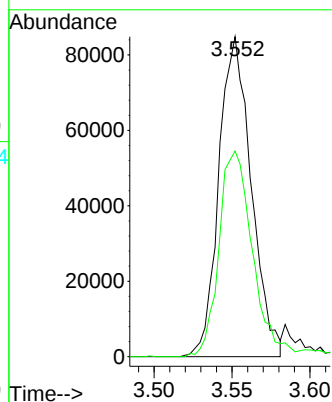
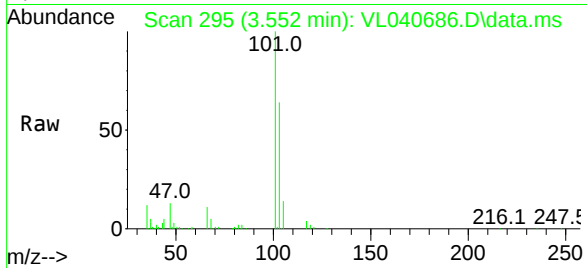




#11
 Trichlorofluoromethane
 Concen: 0.537 ppbv
 RT: 3.552 min Scan# 297
 Delta R.T. -0.000 min
 Lab File: VL040686.D
 Acq: 14 Sep 2023 15:44

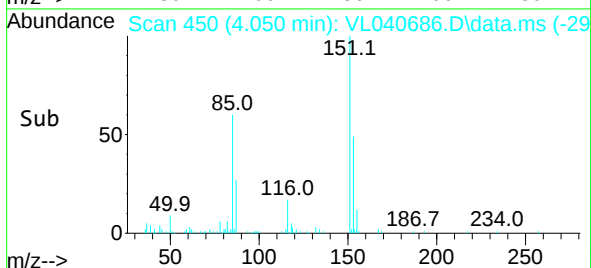
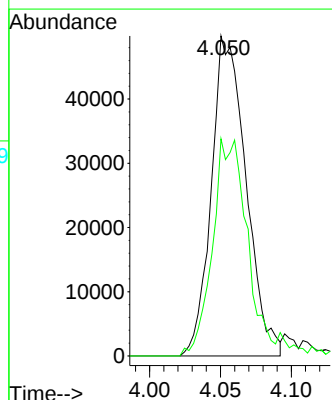
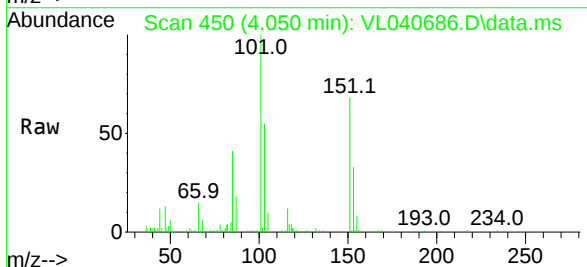
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.5

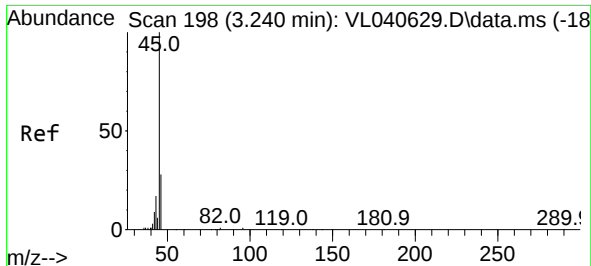
Tgt Ion:101 Resp: 122796
 Ion Ratio Lower Upper
 101 100
 103 64.2 51.3 76.9



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.519 ppbv
 RT: 4.050 min Scan# 450
 Delta R.T. -0.006 min
 Lab File: VL040686.D
 Acq: 14 Sep 2023 15:44

Tgt Ion:101 Resp: 84777
 Ion Ratio Lower Upper
 101 100
 151 70.9 56.8 85.2

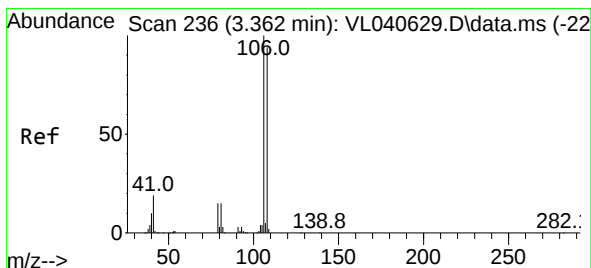
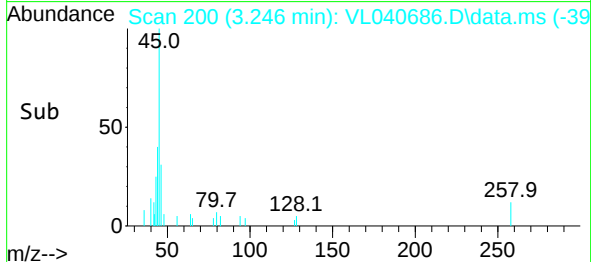
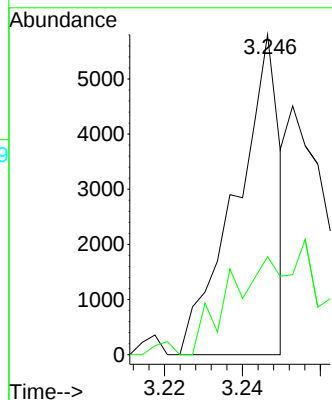
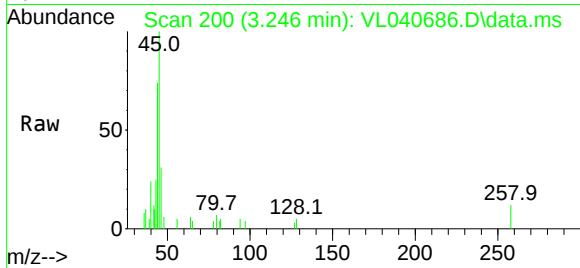




#13
Ethanol
Concen: 0.273 ppbv
RT: 3.246 min Scan# 200
Delta R.T. 0.019 min
Lab File: VL040686.D
Acq: 14 Sep 2023 15:44

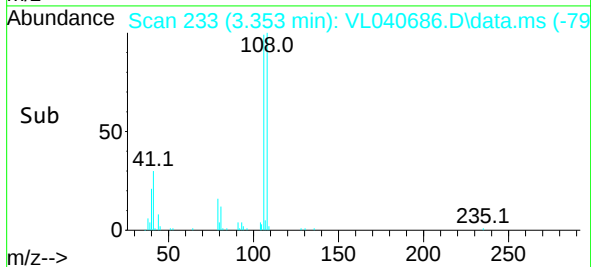
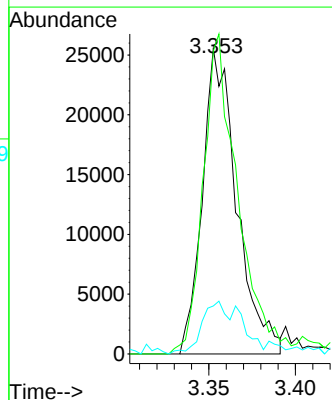
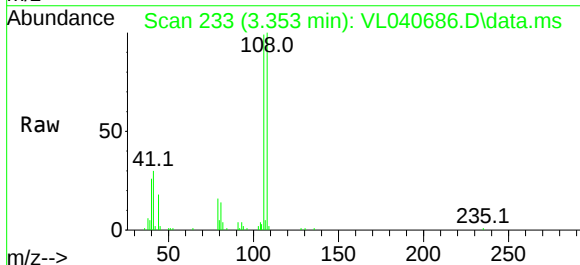
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

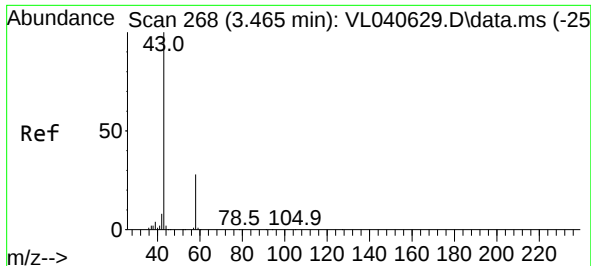
Tgt Ion: 45 Resp: 4480
Ion Ratio Lower Upper
45 100
46 0.0 15.2 61.0#



#14
Bromoethene
Concen: 0.515 ppbv
RT: 3.353 min Scan# 233
Delta R.T. -0.003 min
Lab File: VL040686.D
Acq: 14 Sep 2023 15:44

Tgt Ion: 108 Resp: 35283
Ion Ratio Lower Upper
108 100
106 109.4 86.0 129.0
79 21.8 15.6 23.4

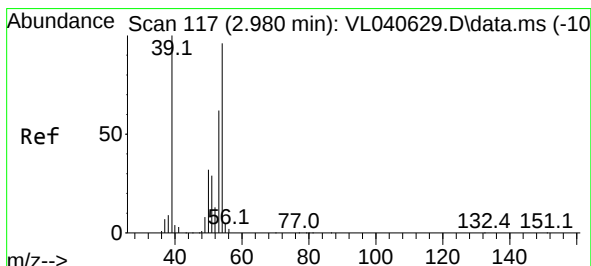
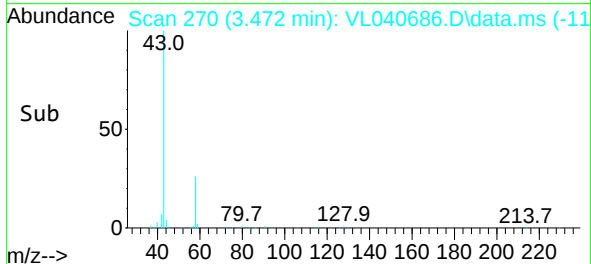
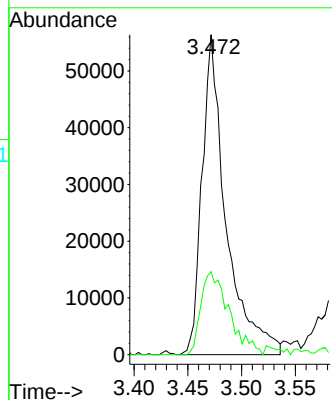
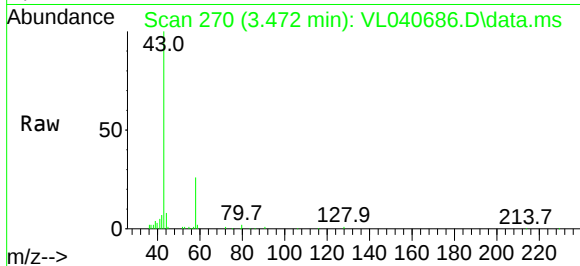




#15
Acetone
Concen: 0.563 ppbv
RT: 3.472 min Scan# 21
Delta R.T. 0.016 min
Lab File: VL040686.D
Acq: 14 Sep 2023 15:44

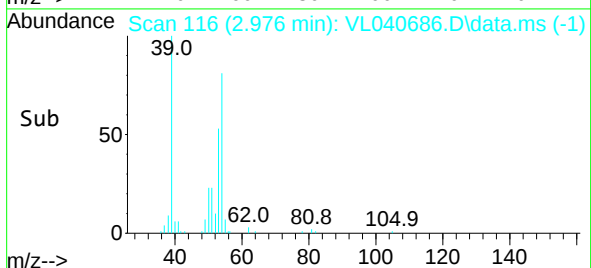
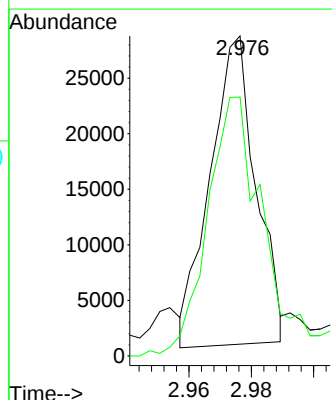
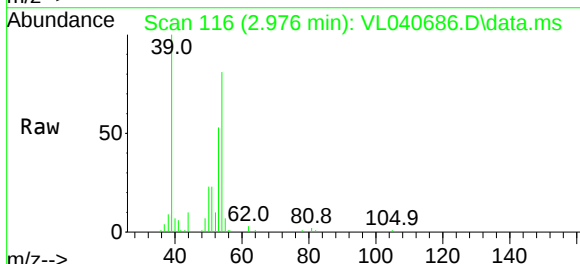
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

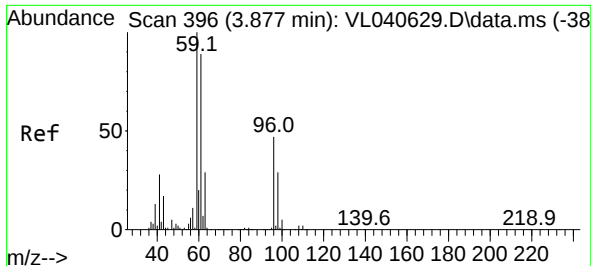
Tgt Ion: 43 Resp: 87641
Ion Ratio Lower Upper
43 100
58 33.6 22.6 34.0



#16
1,3-Butadiene
Concen: 0.418 ppbv
RT: 2.976 min Scan# 116
Delta R.T. 0.003 min
Lab File: VL040686.D
Acq: 14 Sep 2023 15:44

Tgt Ion: 39 Resp: 28350
Ion Ratio Lower Upper
39 100
54 109.7 64.8 97.2#





#17

tert-Butyl alcohol

Concen: 0.522 ppbv

RT: 3.880 min Scan# 396

Delta R.T. 0.013 min

Lab File: VL040686.D

Acq: 14 Sep 2023 15:44

Instrument :

MSVOA_L

ClientSampleId :

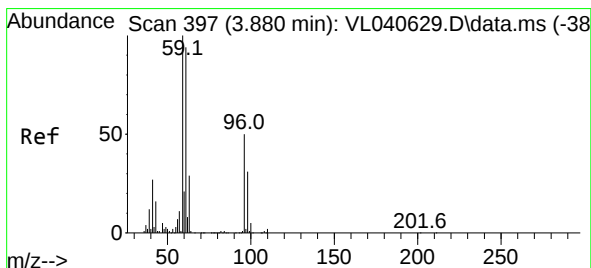
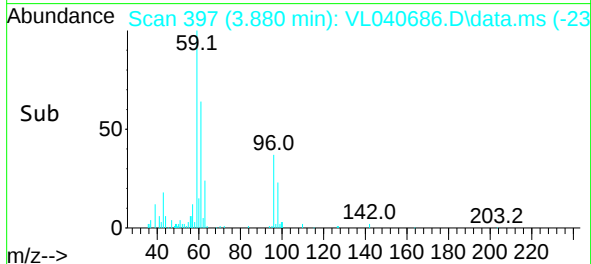
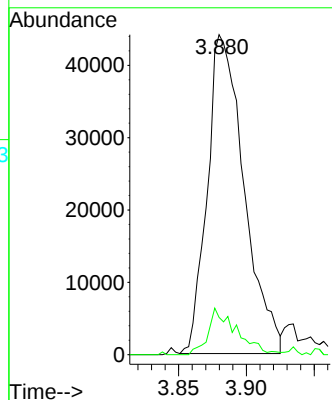
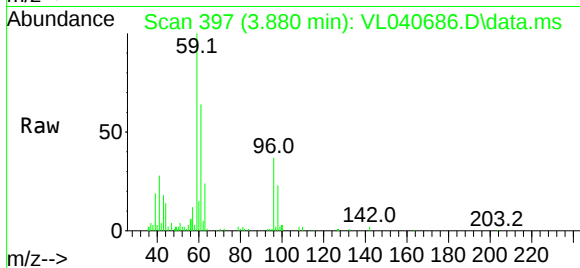
VSTDICC0.5

Tgt Ion: 59 Resp: 83182

Ion Ratio Lower Upper

59 100

57 11.4 8.7 13.1



#18

1,1-Dichloroethene

Concen: 0.521 ppbv

RT: 3.870 min Scan# 394

Delta R.T. -0.000 min

Lab File: VL040686.D

Acq: 14 Sep 2023 15:44

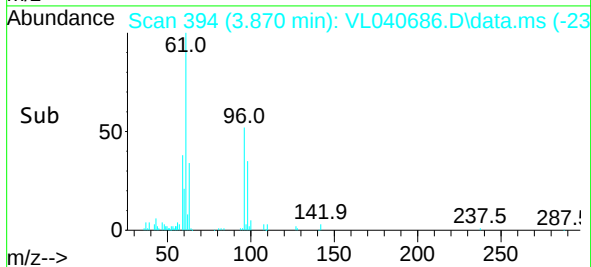
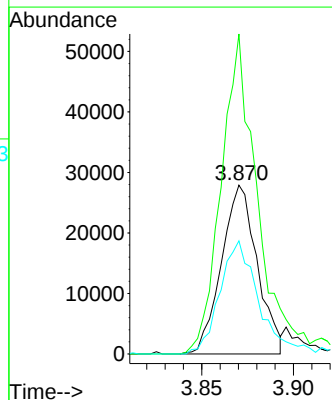
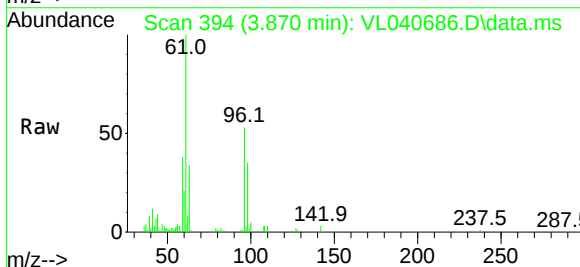
Tgt Ion: 96 Resp: 37830

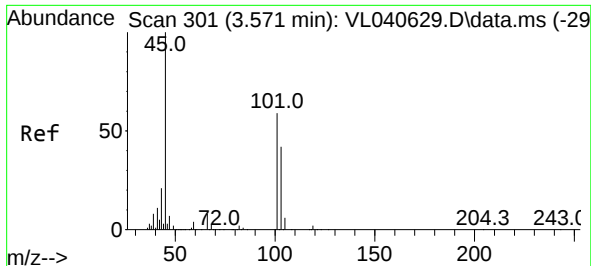
Ion Ratio Lower Upper

96 100

61 189.6 153.6 230.4

98 67.0 51.9 77.9

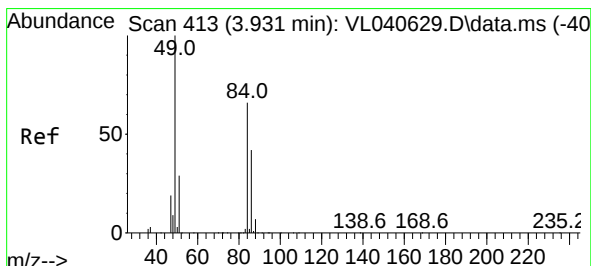
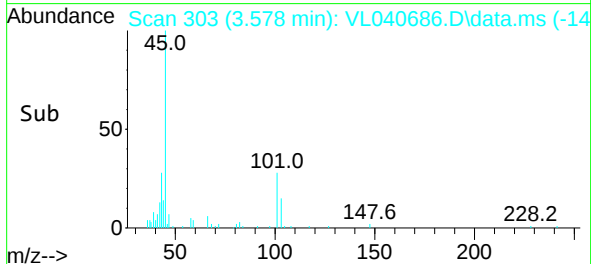
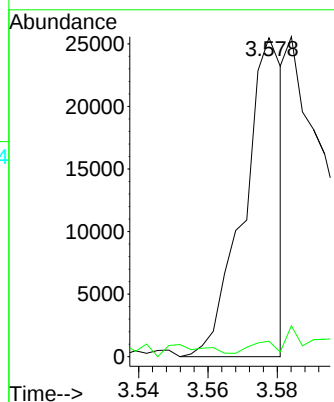
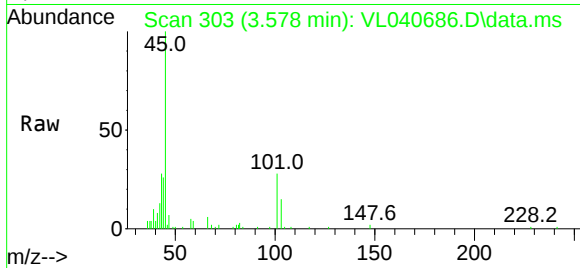




#19
Isopropyl Alcohol
Concen: 0.211 ppbv
RT: 3.578 min Scan# 301
Delta R.T. 0.013 min
Lab File: VL040686.D
Acq: 14 Sep 2023 15:44

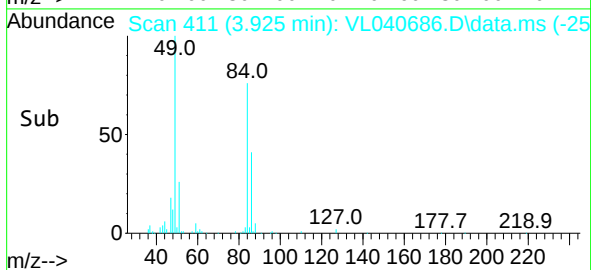
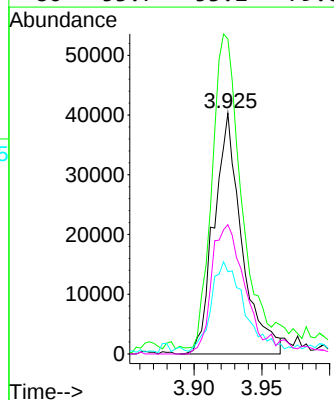
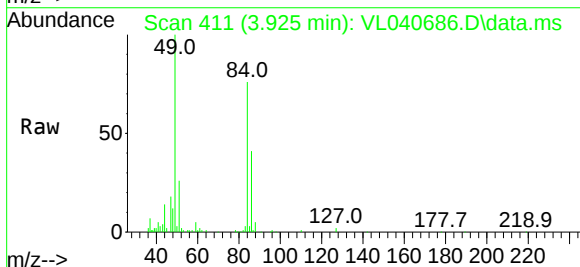
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

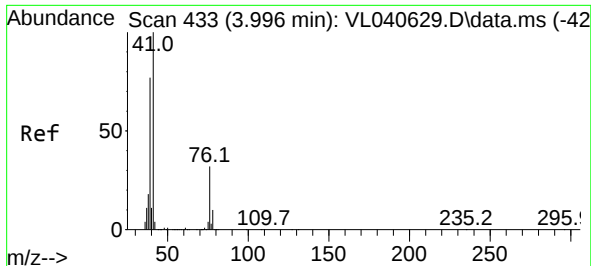
Tgt Ion: 45 Resp: 19752
Ion Ratio Lower Upper
45 100
58 0.0 1.9 2.9#



#20
Methylene Chloride
Concen: 0.685 ppbv
RT: 3.925 min Scan# 411
Delta R.T. 0.003 min
Lab File: VL040686.D
Acq: 14 Sep 2023 15:44

Tgt Ion: 84 Resp: 57344
Ion Ratio Lower Upper
84 100
49 127.6 114.4 171.6
51 31.4 35.5 53.3#
86 53.7 53.2 79.8





#21

Allyl Chloride

Concen: 0.517 ppbv

RT: 3.986 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL040686.D

Acq: 14 Sep 2023 15:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

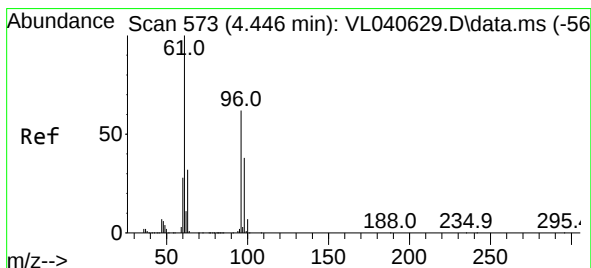
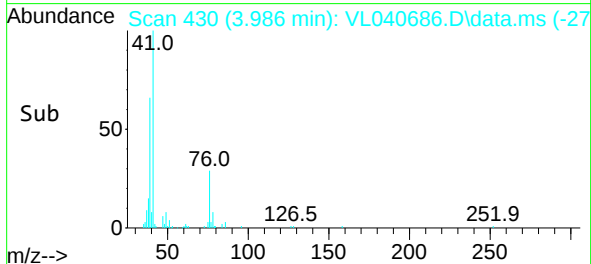
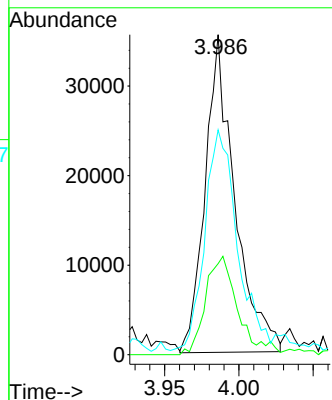
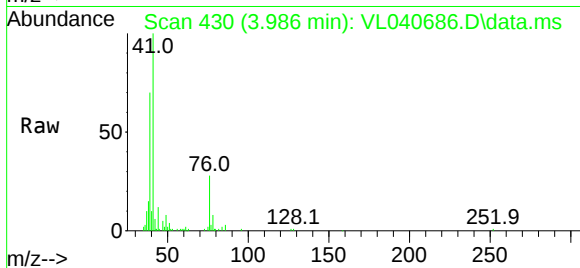
Tgt Ion: 41 Resp: 49266

Ion Ratio Lower Upper

41 100

76 34.9 26.6 40.0

39 81.4 65.0 97.4



#22

trans-1,2-Dichloroethene

Concen: 0.509 ppbv

RT: 4.433 min Scan# 569

Delta R.T. -0.000 min

Lab File: VL040686.D

Acq: 14 Sep 2023 15:44

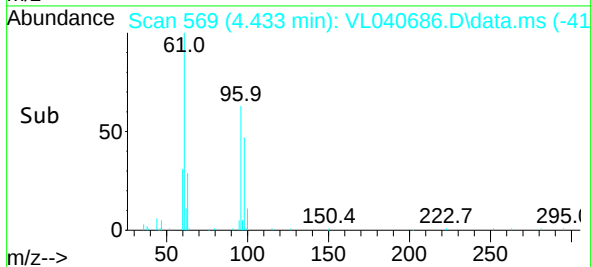
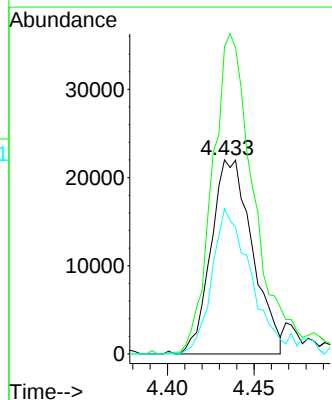
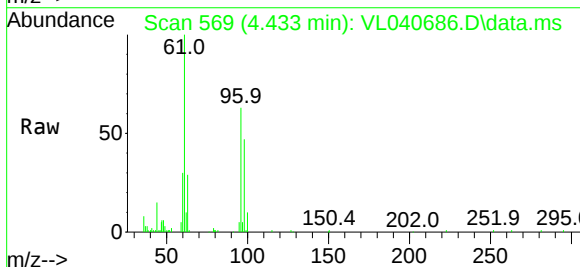
Tgt Ion: 96 Resp: 36534

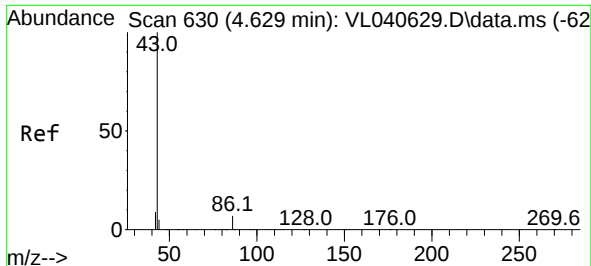
Ion Ratio Lower Upper

96 100

61 157.5 129.9 194.9

98 74.9 50.2 75.4



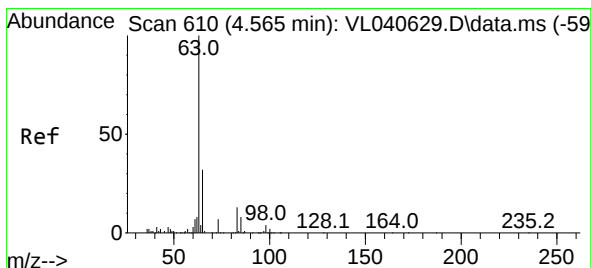
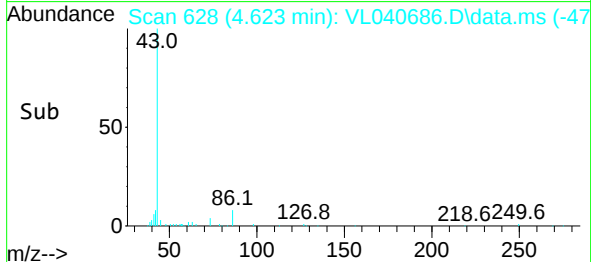
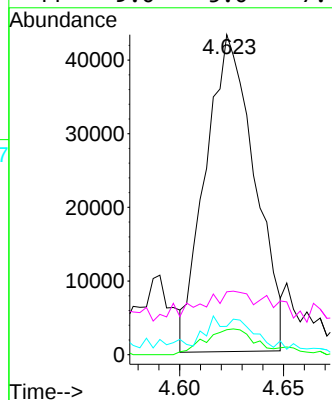
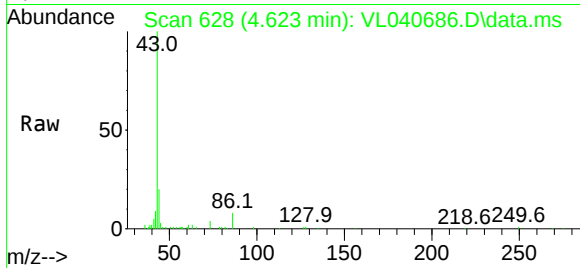


#23
 Vinyl Acetate
 Concen: 0.440 ppbv
 RT: 4.623 min Scan# 61
 Delta R.T. 0.006 min
 Lab File: VL040686.D
 Acq: 14 Sep 2023 15:44

Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.5

Tgt Ion: 43 Resp: 70779

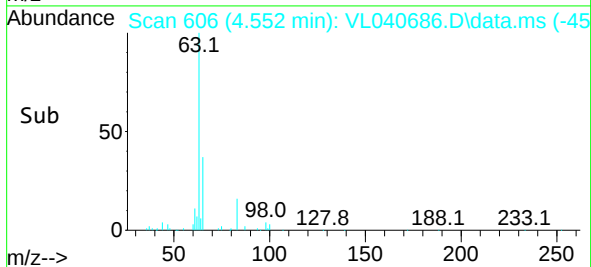
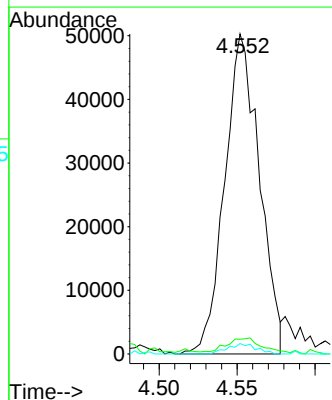
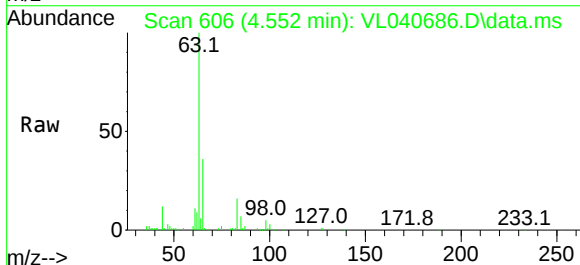
Ion	Ratio	Lower	Upper
43	100		
86	8.0	5.6	8.4
42	5.3	7.6	11.4#
44	9.0	5.0	7.4#

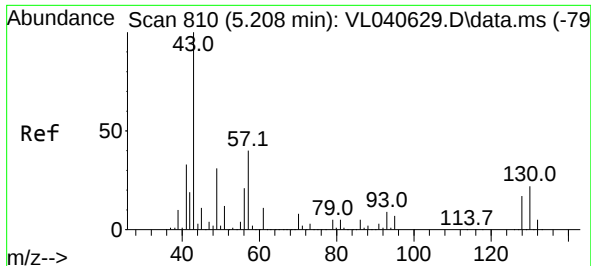


#24
 1,1-Dichloroethane
 Concen: 0.517 ppbv
 RT: 4.552 min Scan# 606
 Delta R.T. -0.000 min
 Lab File: VL040686.D
 Acq: 14 Sep 2023 15:44

Tgt Ion: 63 Resp: 77831

Ion	Ratio	Lower	Upper
63	100		
98	3.7	1.8	5.5
100	3.2	1.2	3.6



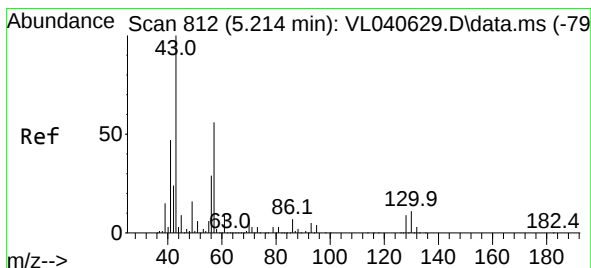
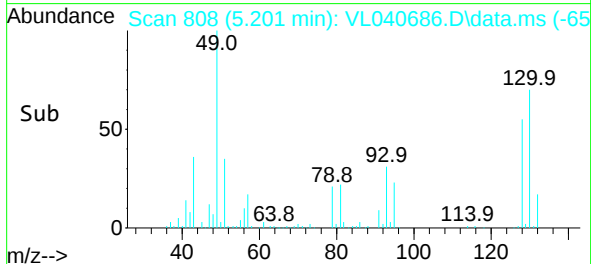
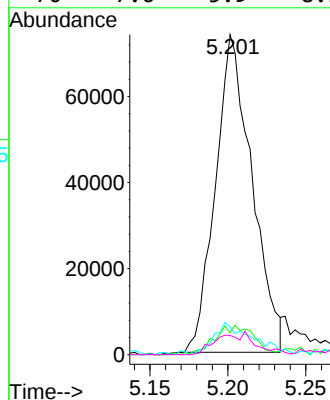
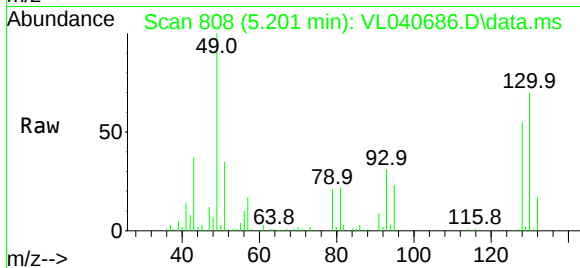


#25
Ethyl Acetate
Concen: 0.479 ppbv
RT: 5.201 min Scan# 808
Delta R.T. 0.006 min
Lab File: VL040686.D
Acq: 14 Sep 2023 15:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 43 Resp: 120281

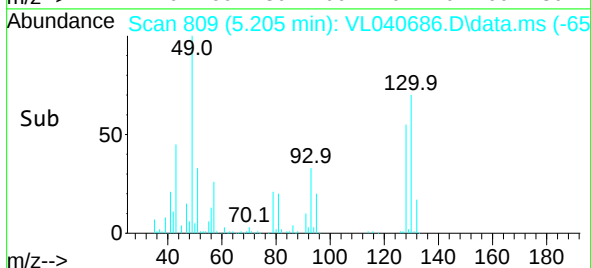
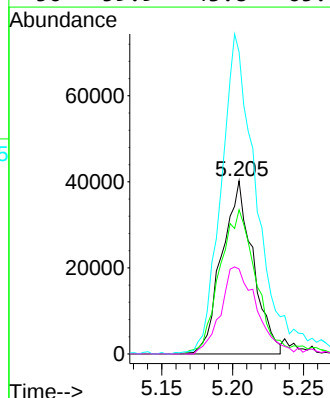
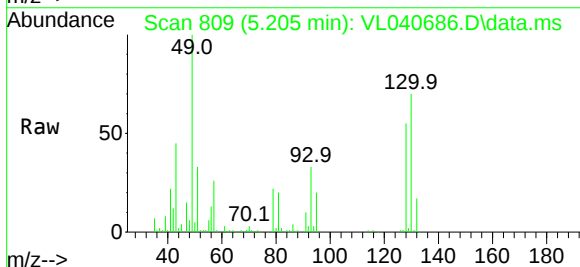
Ion	Ratio	Lower	Upper
43	100		
45	11.1	8.2	12.4
61	11.2	8.2	12.4
70	7.6	5.9	8.9

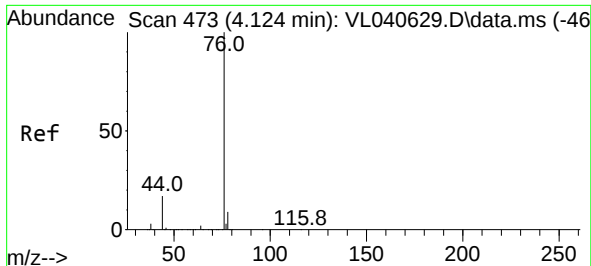


#26
Hexane
Concen: 0.517 ppbv
RT: 5.205 min Scan# 809
Delta R.T. -0.000 min
Lab File: VL040686.D
Acq: 14 Sep 2023 15:44

Tgt Ion: 57 Resp: 61415

Ion	Ratio	Lower	Upper
57	100		
41	101.1	75.2	112.8
43	221.7	185.6	278.4
56	59.9	43.8	65.8

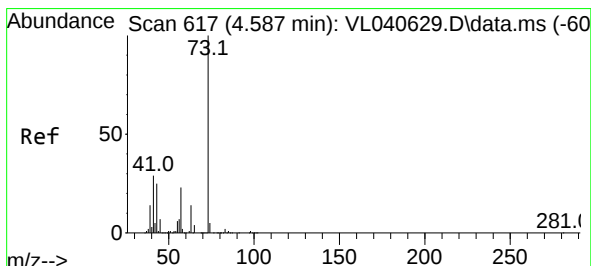
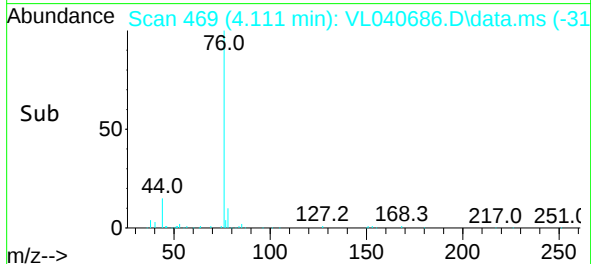
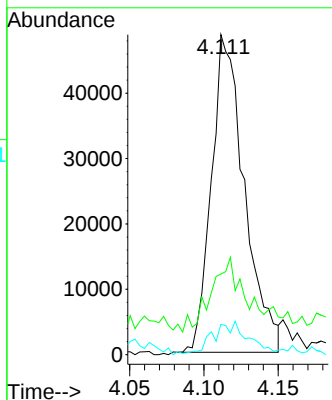
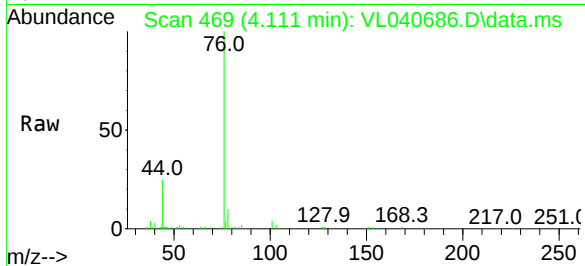




#27
Carbon Disulfide
Concen: 0.453 ppbv
RT: 4.111 min Scan# 411
Delta R.T. -0.003 min
Lab File: VL040686.D
Acq: 14 Sep 2023 15:44

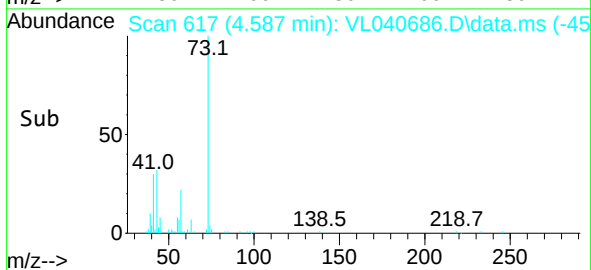
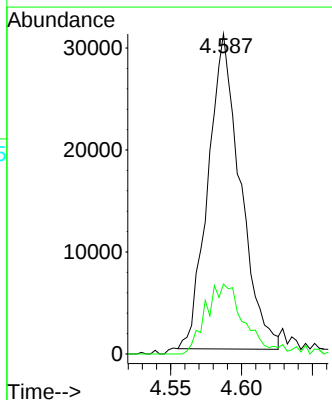
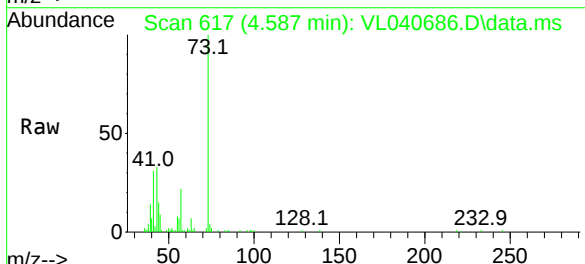
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

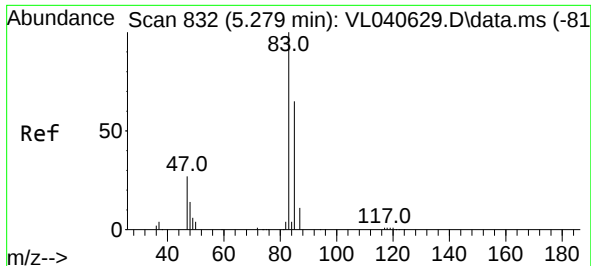
Tgt Ion: 76 Resp: 75051
Ion Ratio Lower Upper
76 100
44 29.6 14.5 21.7#
78 13.0 7.7 11.5#



#28
Methyl tert-Butyl Ether
Concen: 0.481 ppbv
RT: 4.587 min Scan# 617
Delta R.T. 0.010 min
Lab File: VL040686.D
Acq: 14 Sep 2023 15:44

Tgt Ion: 73 Resp: 49068
Ion Ratio Lower Upper
73 100
57 26.6 18.8 28.2





#29

Chloroform

Concen: 0.533 ppbv

RT: 5.262 min Scan# 81

Delta R.T. -0.003 min

Lab File: VL040686.D

Acq: 14 Sep 2023 15:44

Instrument :

MSVOA_L

ClientSampleId :

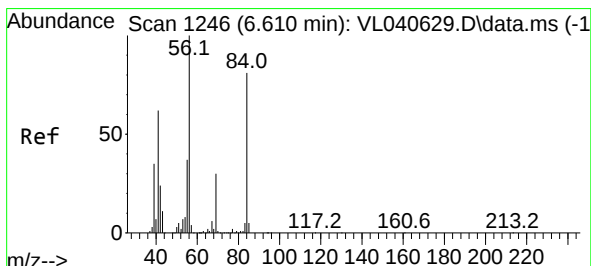
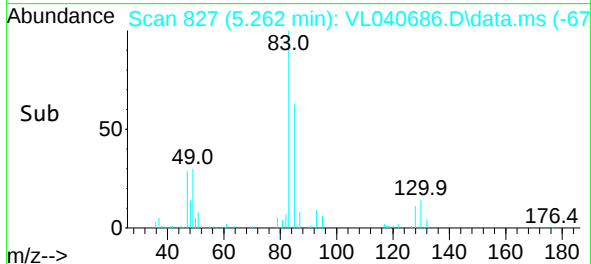
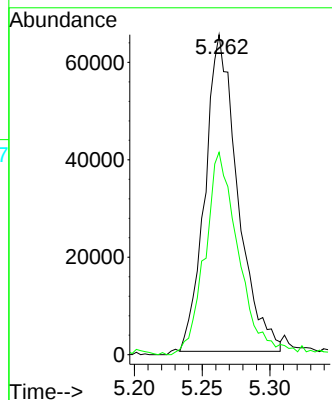
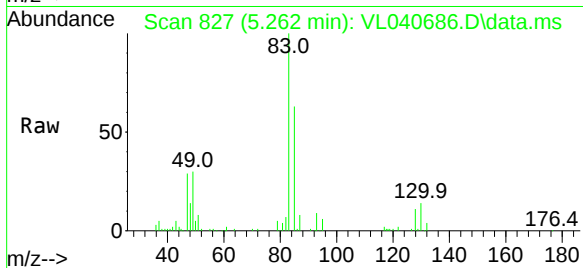
VSTDIC0.5

Tgt Ion: 83 Resp: 109121

Ion Ratio Lower Upper

83 100

85 62.2 51.8 77.8



#30

Cyclohexane

Concen: 0.365 ppbv

RT: 6.594 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VL040686.D

Acq: 14 Sep 2023 15:44

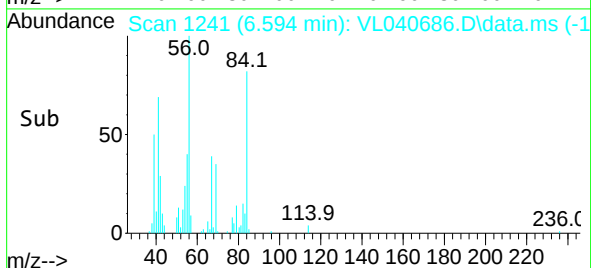
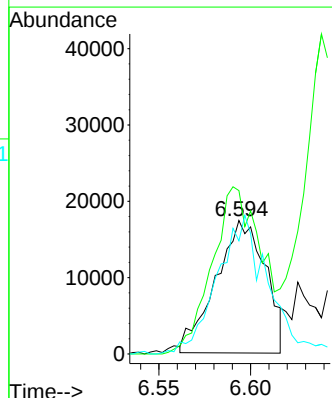
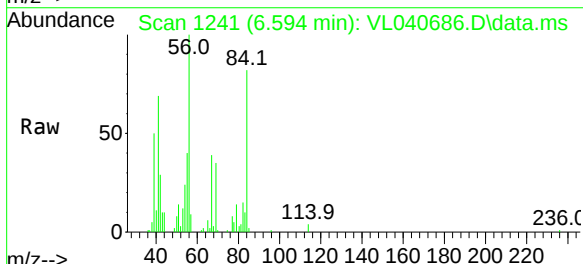
Tgt Ion: 84 Resp: 32652

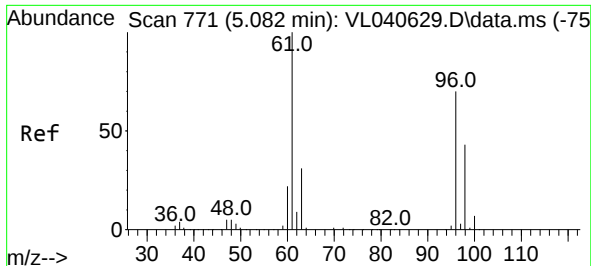
Ion Ratio Lower Upper

84 100

56 134.0 103.2 154.8

41 110.7 65.5 98.3#

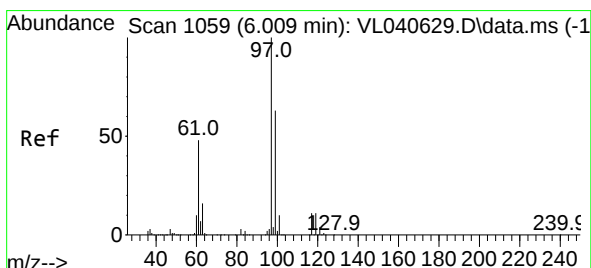
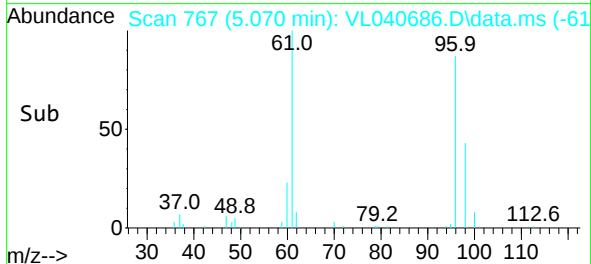
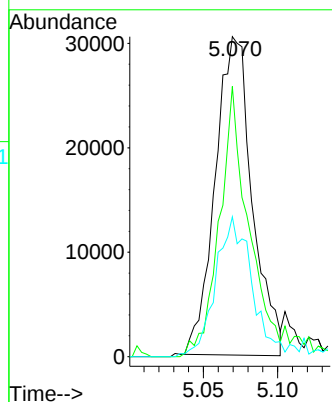
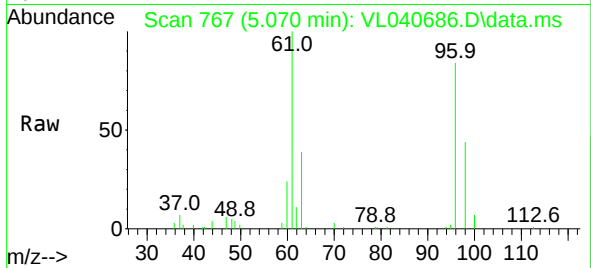




#31
 cis-1,2-Dichloroethene
 Concen: 0.481 ppbv
 RT: 5.070 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: VL040686.D
 Acq: 14 Sep 2023 15:44

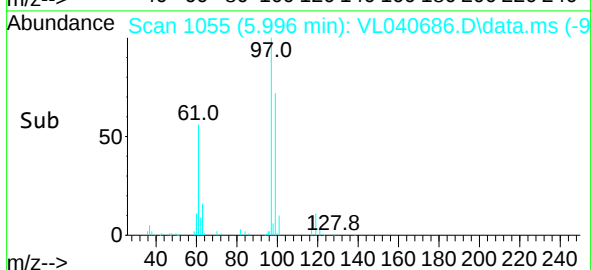
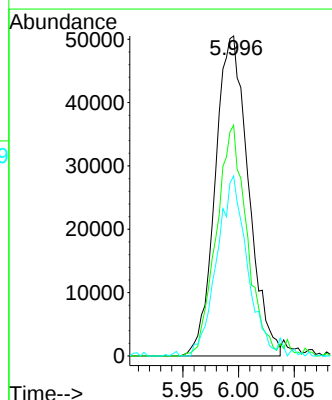
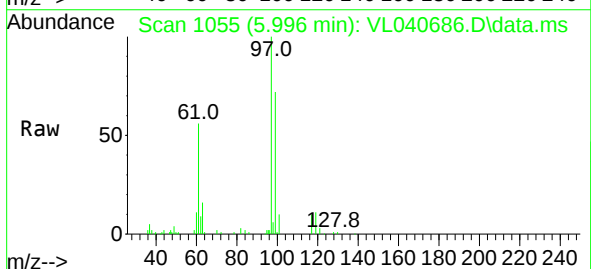
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

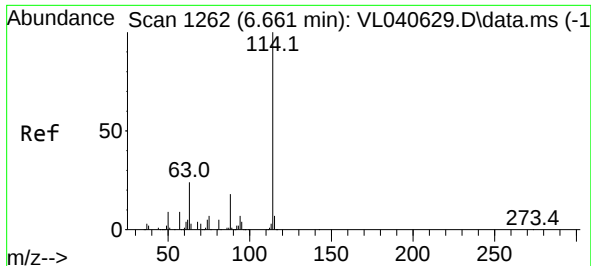
Tgt Ion: 61 Resp: 53015
 Ion Ratio Lower Upper
 61 100
 96 85.1 51.2 76.8#
 98 43.1 32.3 48.5



#32
 1,1,1-Trichloroethane
 Concen: 0.498 ppbv
 RT: 5.996 min Scan# 1055
 Delta R.T. -0.000 min
 Lab File: VL040686.D
 Acq: 14 Sep 2023 15:44

Tgt Ion: 97 Resp: 104373
 Ion Ratio Lower Upper
 97 100
 99 68.3 52.4 78.6
 61 52.3 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: VL040686.D

Acq: 14 Sep 2023 15:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

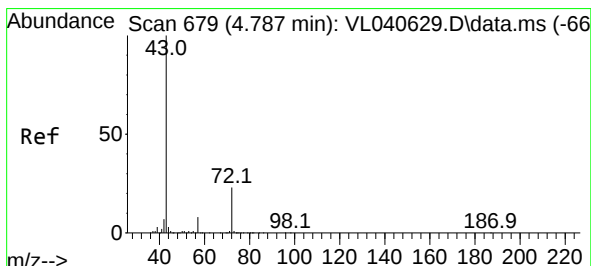
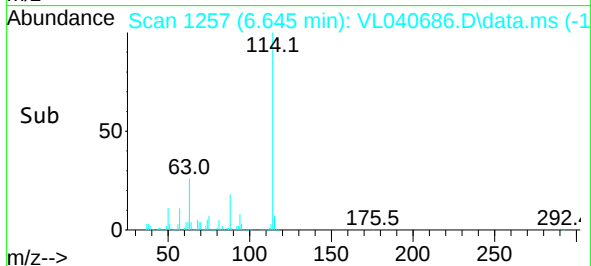
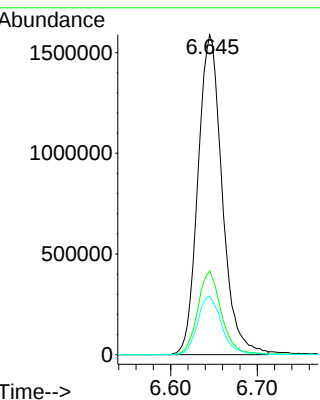
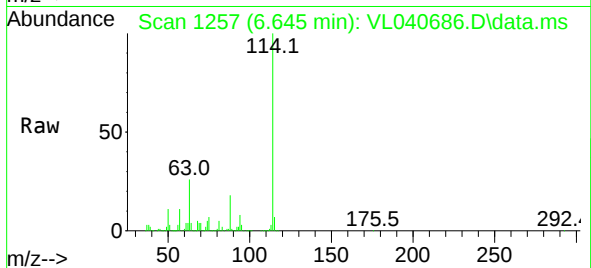
Tgt Ion:114 Resp: 3083328

Ion Ratio Lower Upper

114 100

63 25.8 21.1 31.7

88 18.3 14.5 21.7



#34

2-Butanone

Concen: 0.219 ppbv

RT: 4.787 min Scan# 679

Delta R.T. 0.010 min

Lab File: VL040686.D

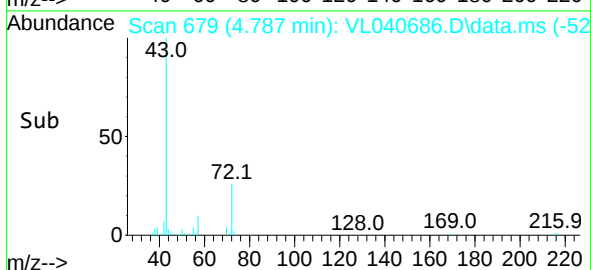
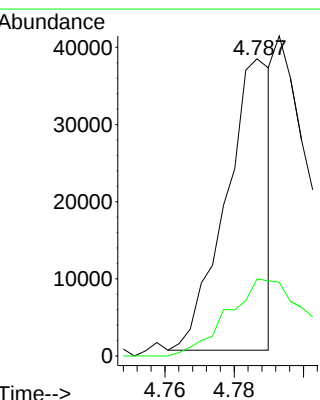
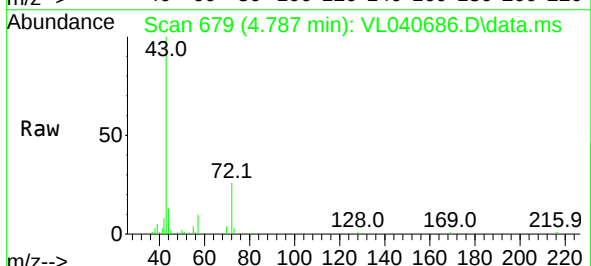
Acq: 14 Sep 2023 15:44

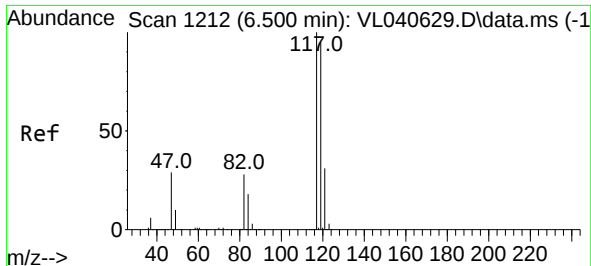
Tgt Ion: 43 Resp: 34030

Ion Ratio Lower Upper

43 100

72 57.1 18.6 27.8#

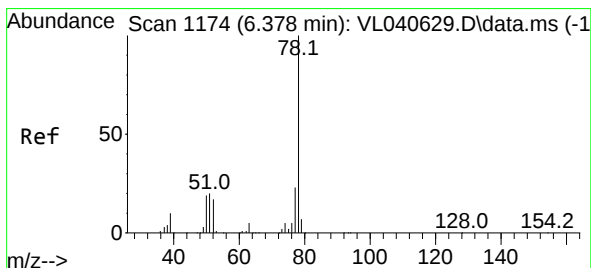
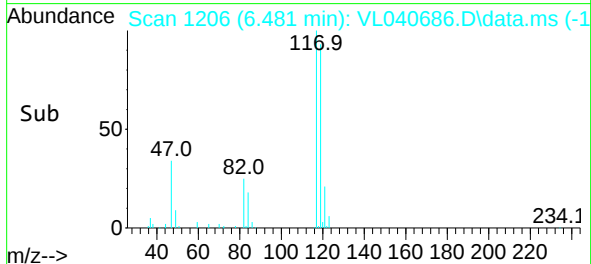
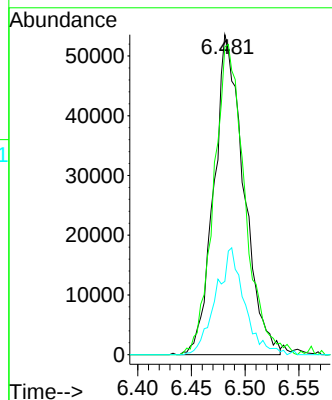
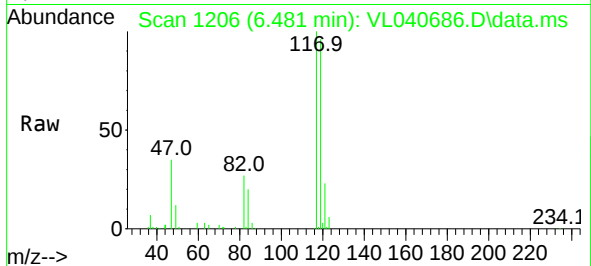




#35
Carbon Tetrachloride
Concen: 0.489 ppbv
RT: 6.481 min Scan# 1169
Delta R.T. -0.003 min
Lab File: VL040686.D
Acq: 14 Sep 2023 15:44

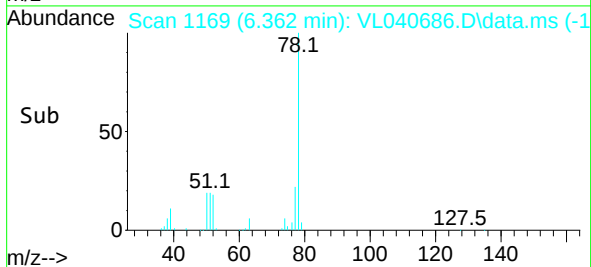
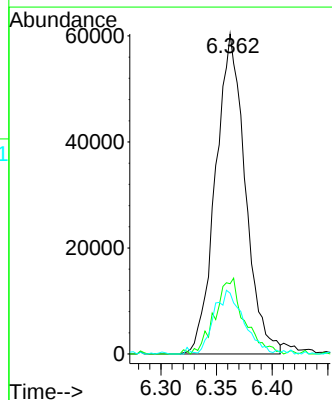
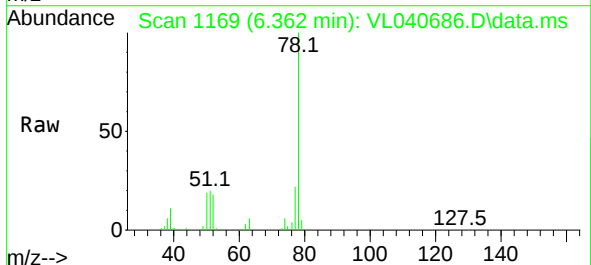
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

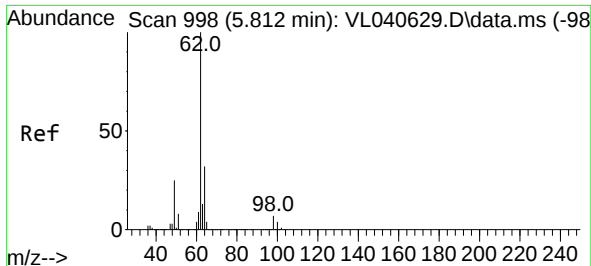
Tgt Ion:117 Resp: 103493
Ion Ratio Lower Upper
117 100
119 96.2 78.6 117.8
121 22.9 24.7 37.1#



#36
Benzene
Concen: 0.489 ppbv
RT: 6.362 min Scan# 1169
Delta R.T. -0.000 min
Lab File: VL040686.D
Acq: 14 Sep 2023 15:44

Tgt Ion: 78 Resp: 111584
Ion Ratio Lower Upper
78 100
77 22.0 17.9 26.9
50 19.0 17.3 25.9

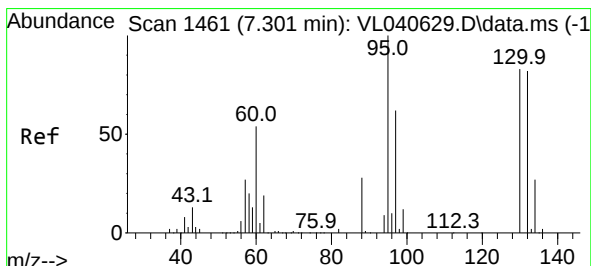
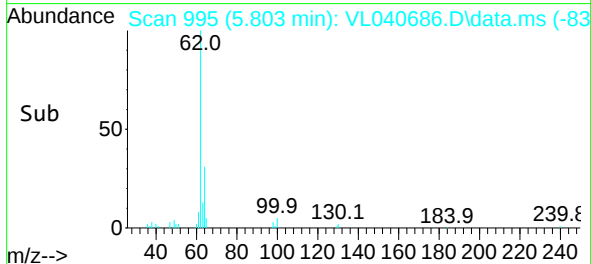
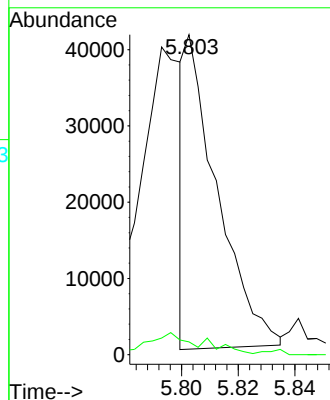
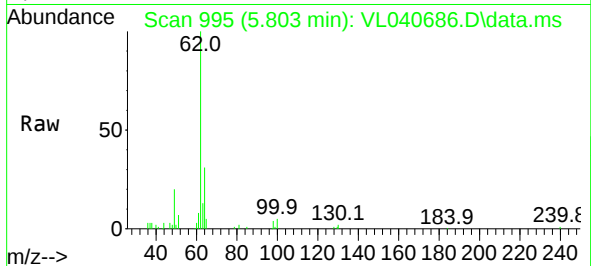




#37
1,2-Dichloroethane
Concen: 0.208 ppbv
RT: 5.803 min Scan# 998
Delta R.T. 0.003 min
Lab File: VL040686.D
Acq: 14 Sep 2023 15:44

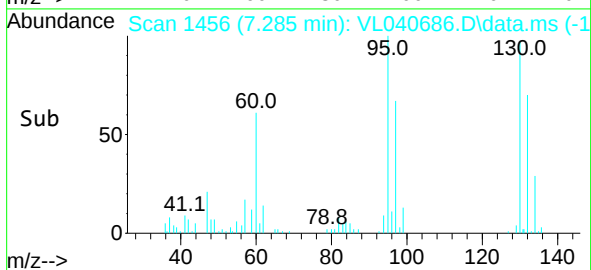
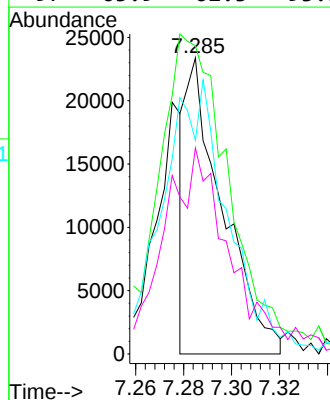
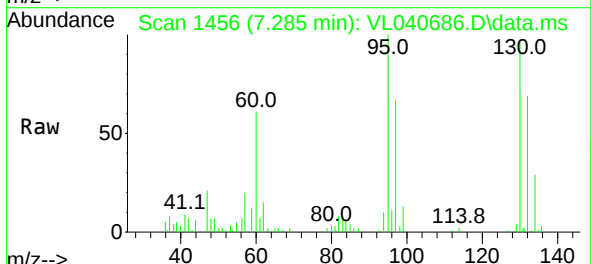
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

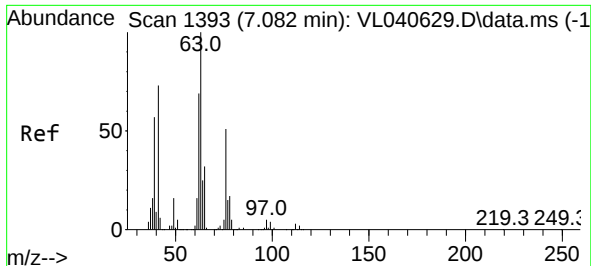
Tgt Ion: 62 Resp: 32454
Ion Ratio Lower Upper
62 100
98 0.0 4.2 6.4#



#38
Trichloroethene
Concen: 0.288 ppbv
RT: 7.285 min Scan# 1456
Delta R.T. -0.000 min
Lab File: VL040686.D
Acq: 14 Sep 2023 15:44

Tgt Ion:130 Resp: 25073
Ion Ratio Lower Upper
130 100
95 100.4 91.9 137.9
132 70.3 77.3 115.9#
97 63.9 62.3 93.5





#39

1,2-Dichloropropane

Concen: 0.408 ppbv

RT: 7.063 min Scan# 1

Delta R.T. -0.003 min

Lab File: VL040686.D

Acq: 14 Sep 2023 15:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

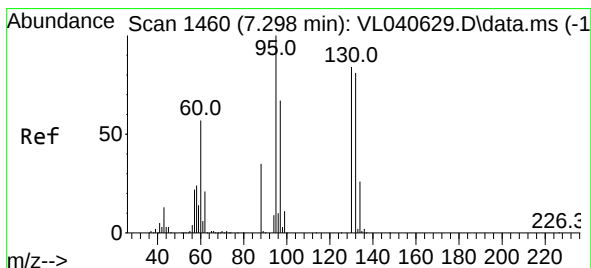
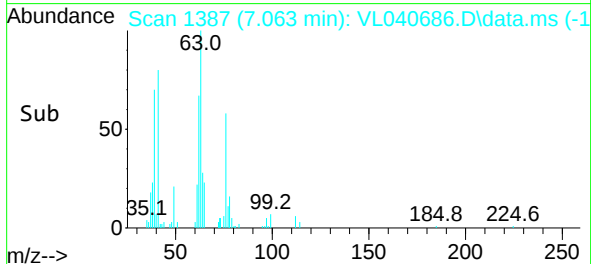
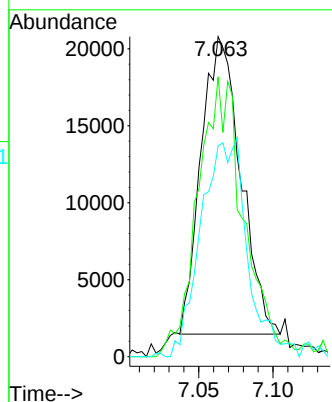
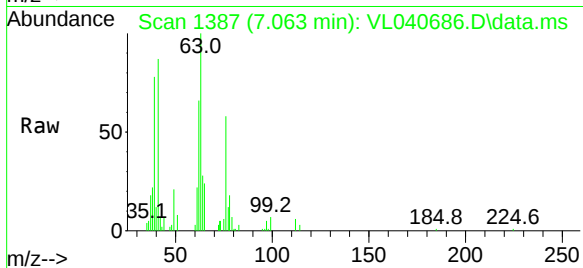
Tgt Ion: 63 Resp: 35892

Ion Ratio Lower Upper

63 100

41 88.4 61.6 92.4

62 66.8 55.8 83.8



#40

1,4-Dioxane

Concen: 0.028 ppbv

RT: 7.295 min Scan# 1459

Delta R.T. 0.016 min

Lab File: VL040686.D

Acq: 14 Sep 2023 15:44

Tgt Ion: 88 Resp: 926

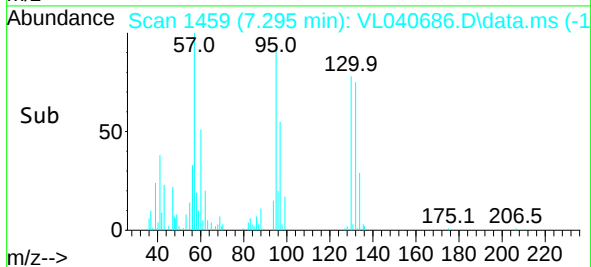
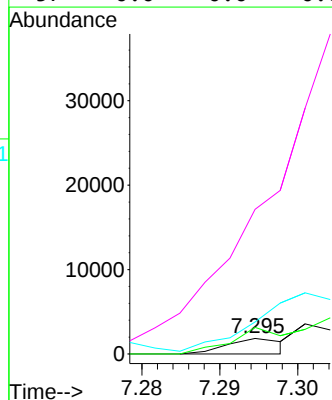
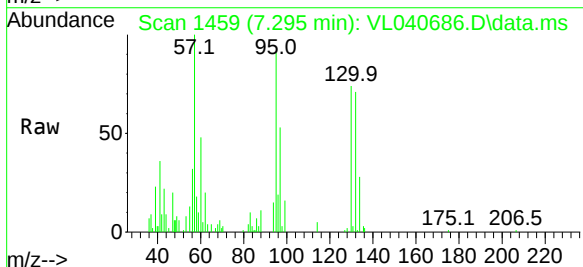
Ion Ratio Lower Upper

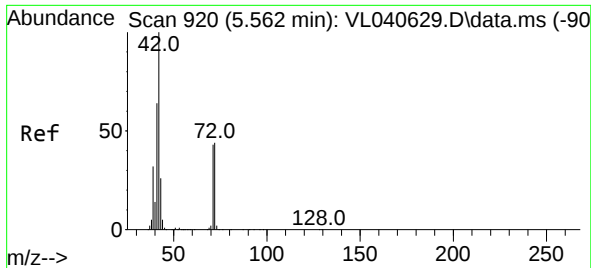
88 100

58 0.0 92.7 139.1#

43 0.0 0.0 0.0

57 0.0 0.0 0.0

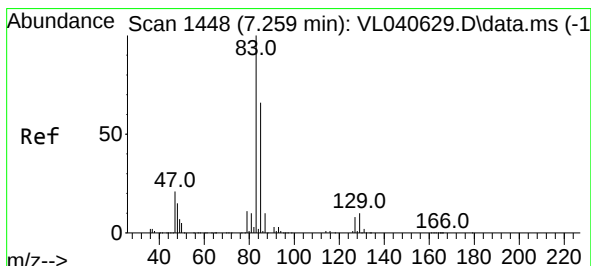
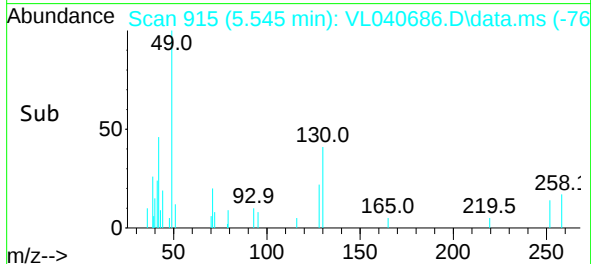
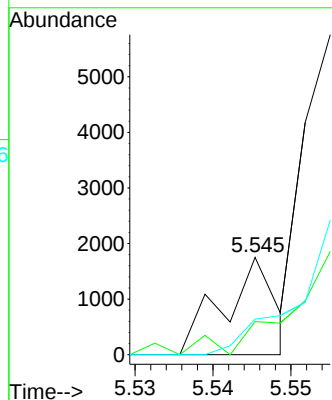
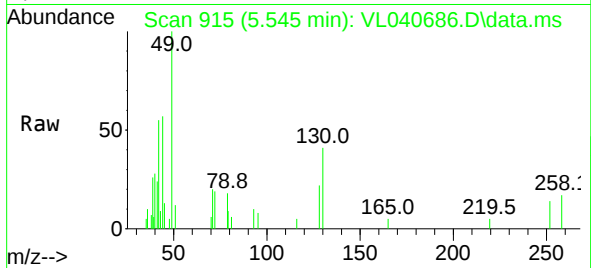




#41
Tetrahydrofuran
Concen: 0.010 ppbv
RT: 5.545 min Scan# 915
Delta R.T. -0.003 min
Lab File: VL040686.D
Acq: 14 Sep 2023 15:44

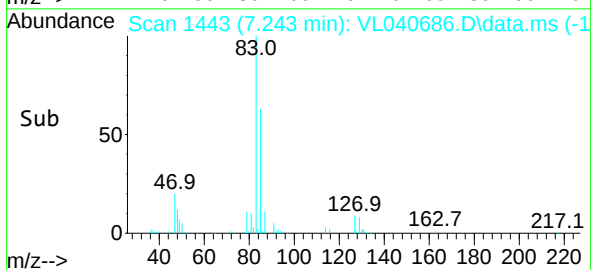
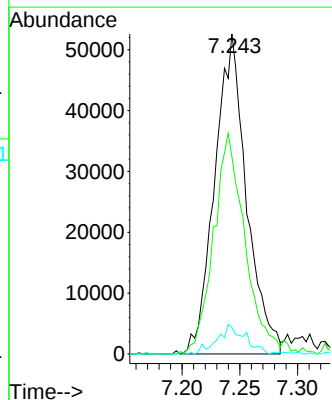
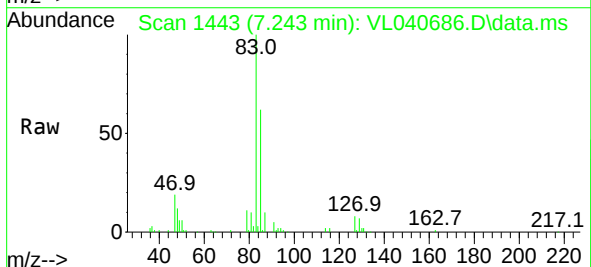
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

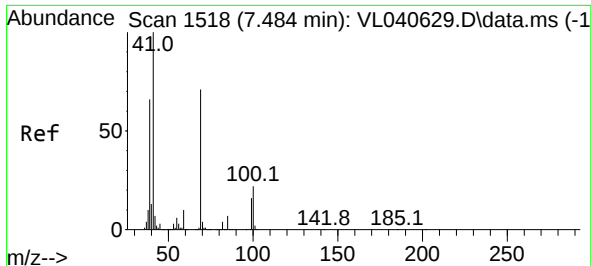
Tgt Ion: 42 Resp: 807
Ion Ratio Lower Upper
42 100
72 0.0 34.9 52.3#
71 0.0 33.8 50.8#



#42
Bromodichloromethane
Concen: 0.473 ppbv
RT: 7.243 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VL040686.D
Acq: 14 Sep 2023 15:44

Tgt Ion: 83 Resp: 100846
Ion Ratio Lower Upper
83 100
85 60.4 51.2 76.8
127 8.4 6.2 9.4





#43

Methyl Methacrylate

Concen: 0.275 ppbv

RT: 7.478 min Scan# 11

Delta R.T. 0.010 min

Lab File: VL040686.D

Acq: 14 Sep 2023 15:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

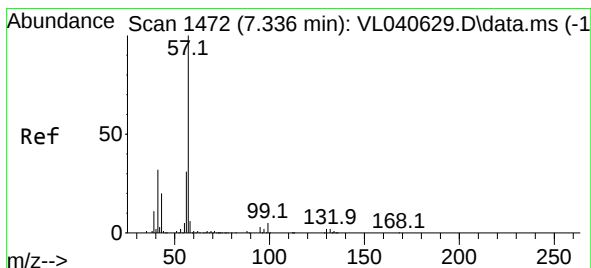
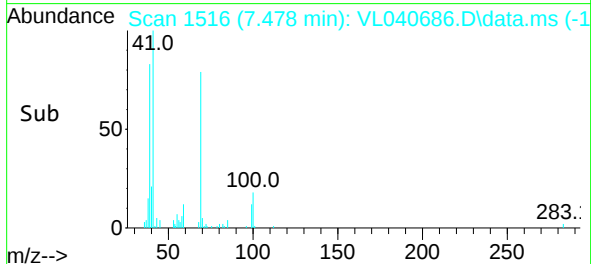
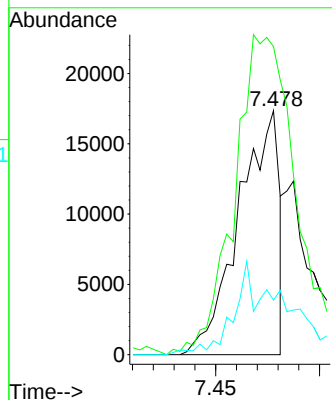
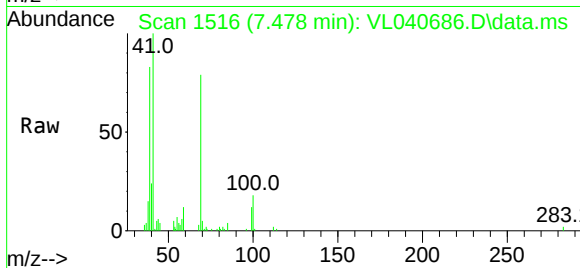
Tgt Ion: 69 Resp: 23368

Ion Ratio Lower Upper

69 100

41 207.1 113.8 170.8#

100 49.4 25.4 38.0#



#44

2,2,4-Trimethylpentane

Concen: 0.431 ppbv

RT: 7.323 min Scan# 1468

Delta R.T. 0.003 min

Lab File: VL040686.D

Acq: 14 Sep 2023 15:44

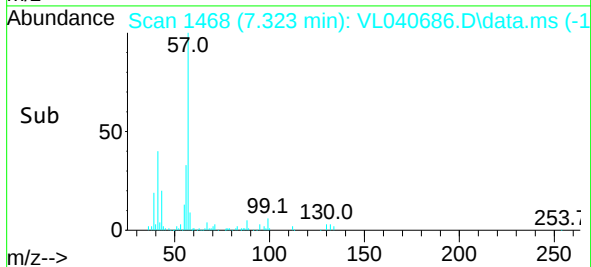
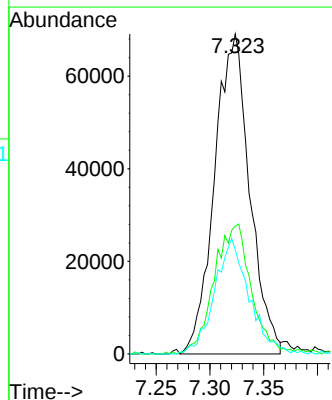
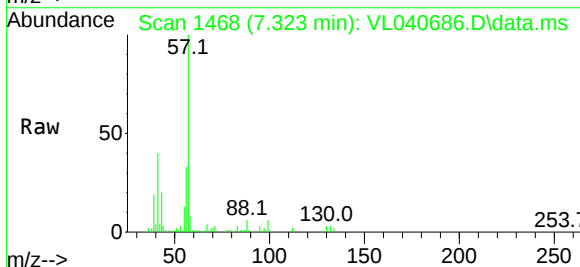
Tgt Ion: 57 Resp: 156781

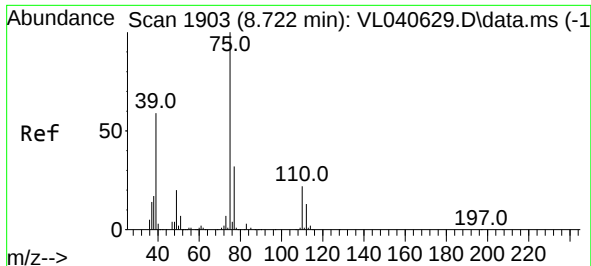
Ion Ratio Lower Upper

57 100

41 43.9 28.5 42.7#

56 35.7 25.4 38.2





#45

t-1,3-Dichloropropene

Concen: 0.211 ppbv

RT: 8.706 min Scan# 11

Delta R.T. 0.003 min

Lab File: VL040686.D

Acq: 14 Sep 2023 15:44

Instrument :

MSVOA_L

ClientSampleId :

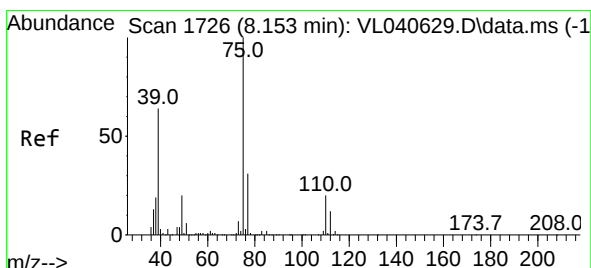
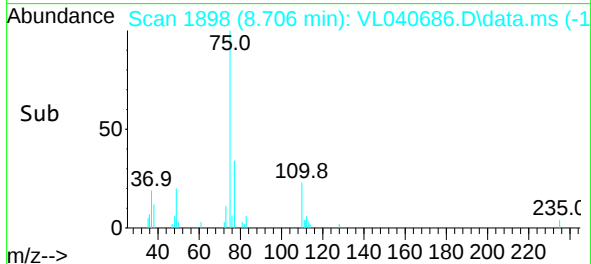
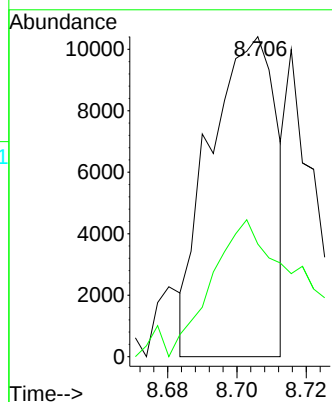
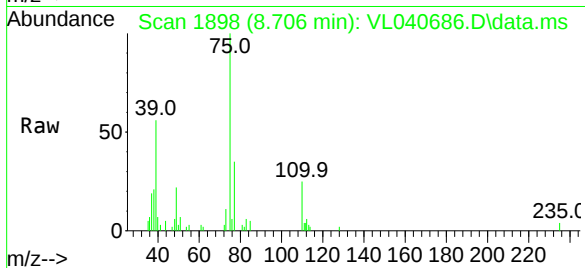
VSTDICC0.5

Tgt Ion: 75 Resp: 13885

Ion Ratio Lower Upper

75 100

77 35.2 24.5 36.7



#46

cis-1,3-Dichloropropene

Concen: 0.326 ppbv

RT: 8.137 min Scan# 1721

Delta R.T. -0.000 min

Lab File: VL040686.D

Acq: 14 Sep 2023 15:44

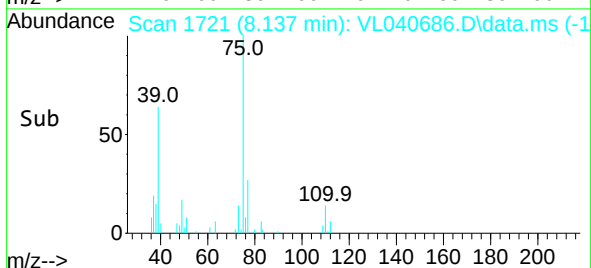
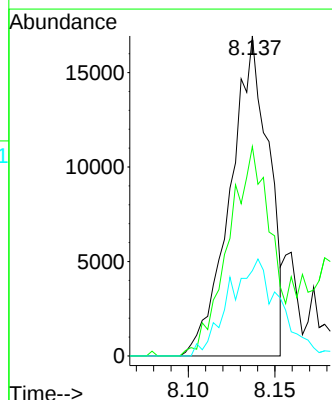
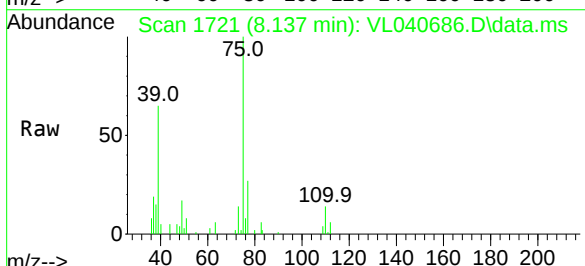
Tgt Ion: 75 Resp: 26285

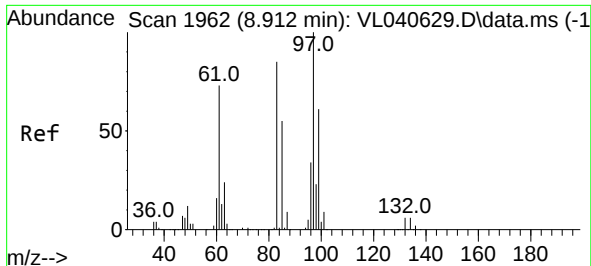
Ion Ratio Lower Upper

75 100

39 62.8 54.0 81.0

77 26.6 23.6 35.4





#47

1,1,2-Trichloroethane

Concen: 0.507 ppbv

RT: 8.893 min Scan# 1962

Delta R.T. -0.003 min

Lab File: VL040686.D

Acq: 14 Sep 2023 15:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

Tgt Ion: 97 Resp: 51182

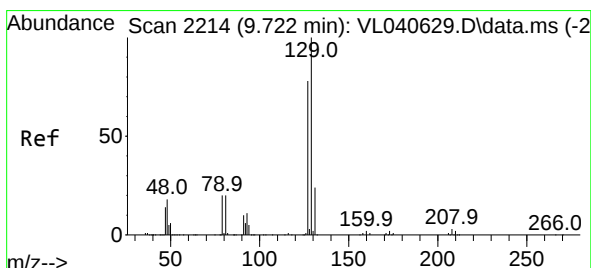
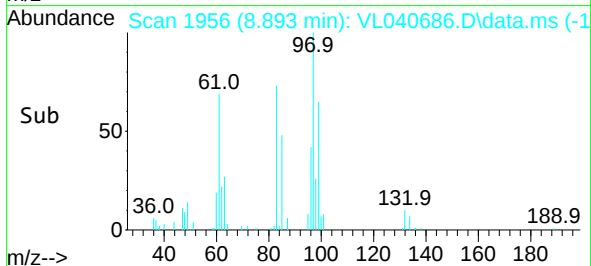
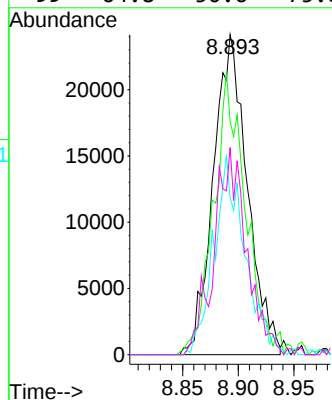
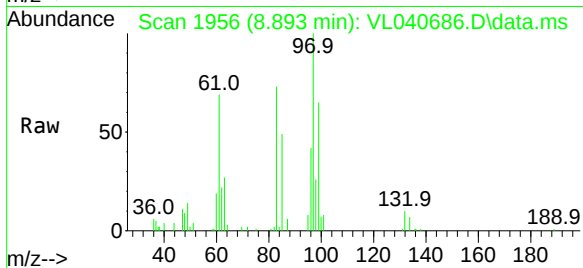
Ion Ratio Lower Upper

97 100

83 71.9 70.8 106.2

85 49.1 45.7 68.5

99 64.8 50.6 75.8



#48

Dibromochloromethane

Concen: 0.412 ppbv

RT: 9.703 min Scan# 2208

Delta R.T. -0.000 min

Lab File: VL040686.D

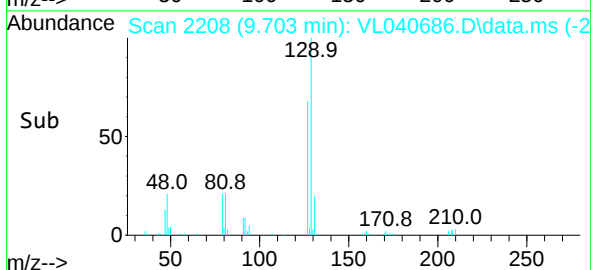
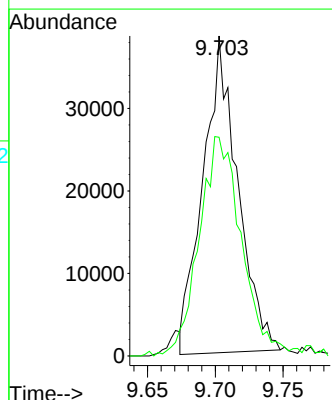
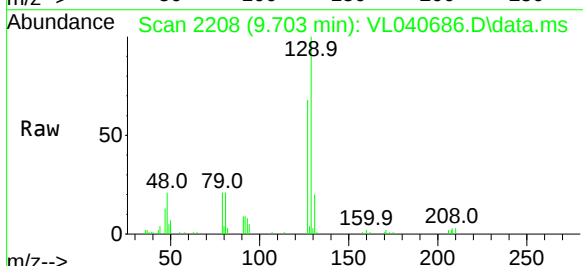
Acq: 14 Sep 2023 15:44

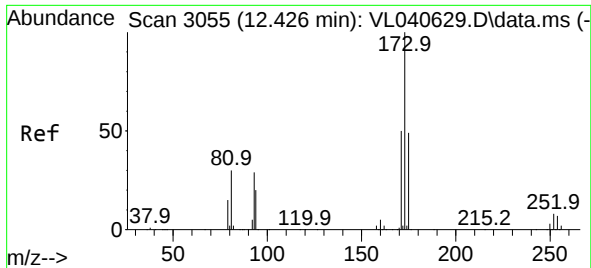
Tgt Ion: 129 Resp: 68529

Ion Ratio Lower Upper

129 100

127 86.2 39.4 118.2

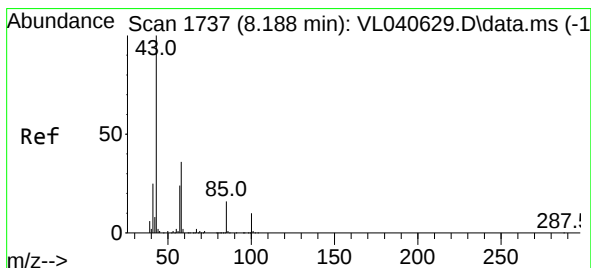
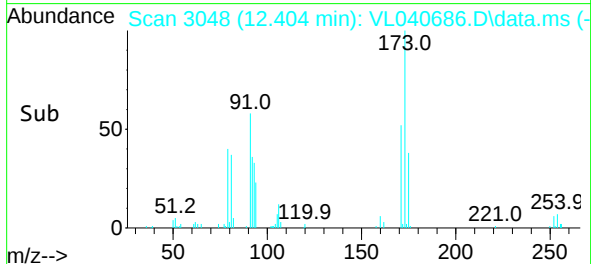
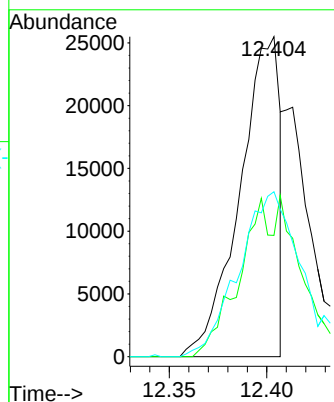
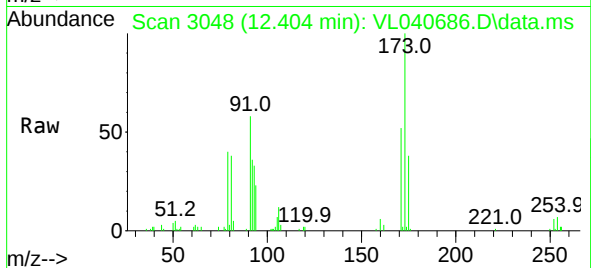




#49
Bromoform
Concen: 0.266 ppbv
RT: 12.404 min Scan# 3055
Delta R.T. -0.000 min
Lab File: VL040686.D
Acq: 14 Sep 2023 15:44

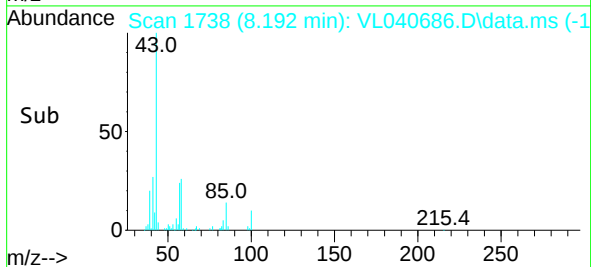
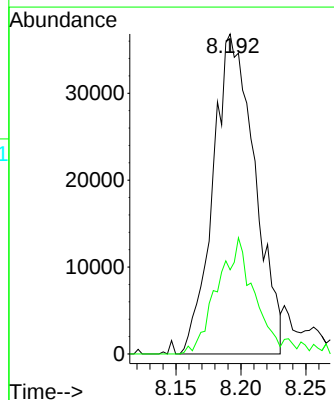
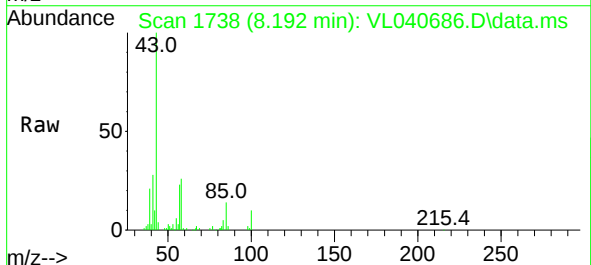
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

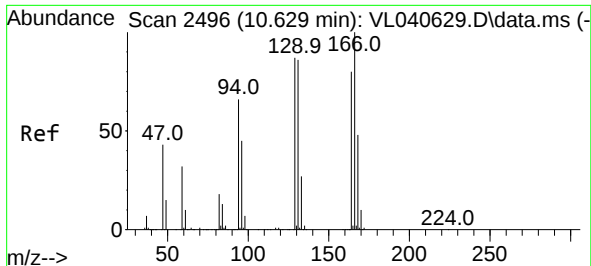
Tgt Ion:173 Resp: 36332
Ion Ratio Lower Upper
173 100
175 77.0 38.8 58.2#
171 85.3 42.2 63.2#



#50
4-Methyl-2-Pentanone
Concen: 0.392 ppbv
RT: 8.192 min Scan# 1738
Delta R.T. 0.019 min
Lab File: VL040686.D
Acq: 14 Sep 2023 15:44

Tgt Ion: 43 Resp: 82159
Ion Ratio Lower Upper
43 100
58 34.3 28.2 42.4

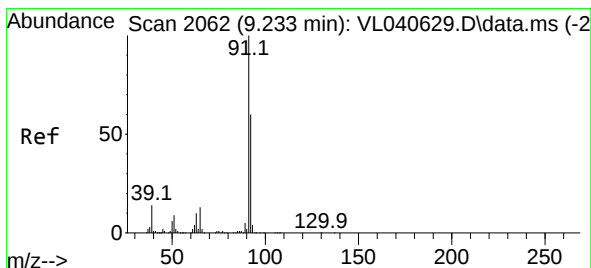
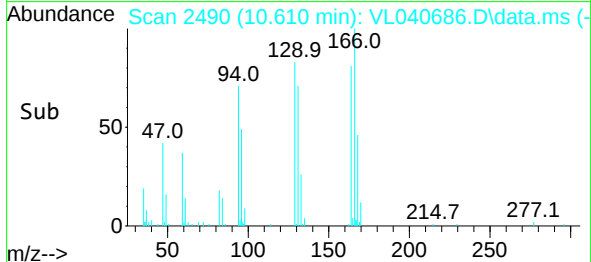
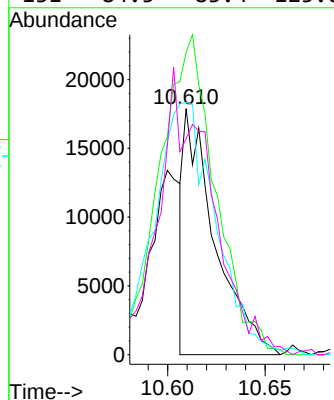
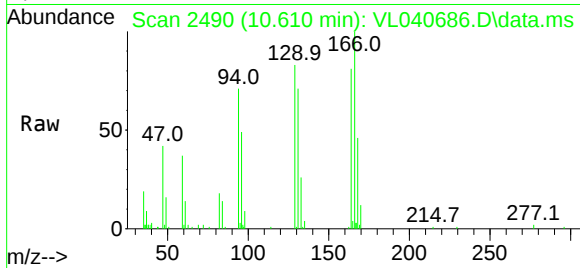




#52
Tetrachloroethene
Concen: 0.265 ppbv
RT: 10.610 min Scan# 2496
Delta R.T. -0.000 min
Lab File: VL040686.D
Acq: 14 Sep 2023 15:44

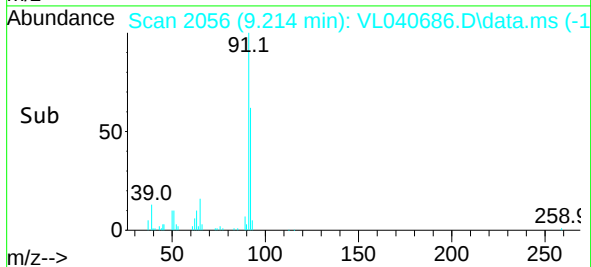
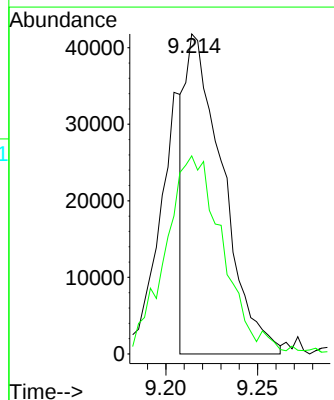
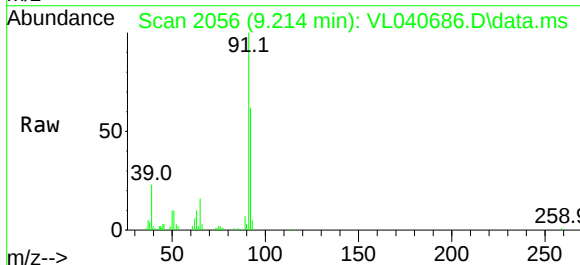
Instrument :
MSVOA_1
ClientSampleId :
VSTDICC0.5

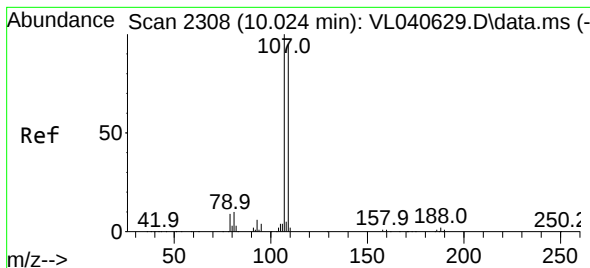
Tgt Ion:164 Resp: 19700
Ion Ratio Lower Upper
164 100
166 120.7 103.4 155.2
129 100.8 83.5 125.3
131 84.5 83.4 125.0



#53
Toluene
Concen: 0.247 ppbv
RT: 9.214 min Scan# 2056
Delta R.T. -0.003 min
Lab File: VL040686.D
Acq: 14 Sep 2023 15:44

Tgt Ion: 91 Resp: 59525
Ion Ratio Lower Upper
91 100
92 96.3 48.5 72.7#





#54

1,2-Dibromoethane

Concen: 0.457 ppbv

RT: 10.002 min Scan# 21

Delta R.T. -0.000 min

Lab File: VL040686.D

Acq: 14 Sep 2023 15:44

Instrument :

MSVOA_L

ClientSampleId :

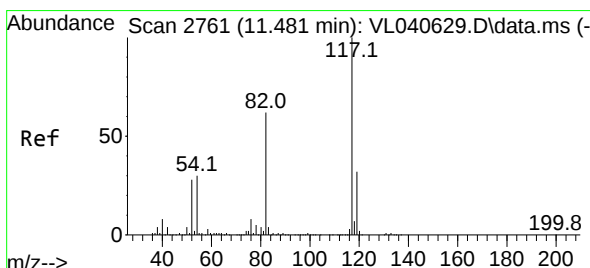
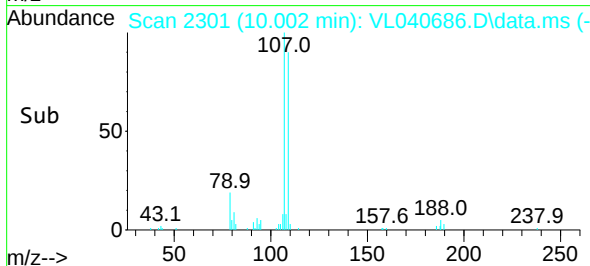
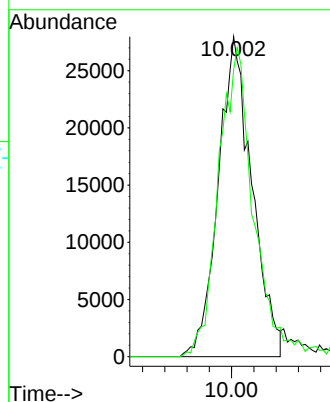
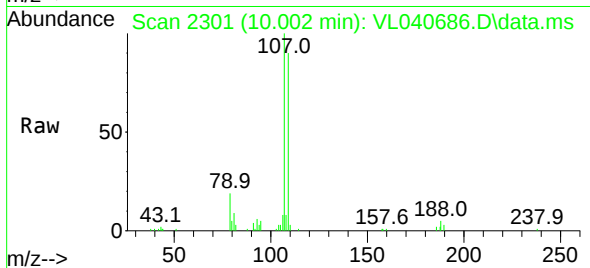
VSTDICC0.5

Tgt Ion:107 Resp: 58769

Ion Ratio Lower Upper

107 100

109 89.7 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: VL040686.D

Acq: 14 Sep 2023 15:44

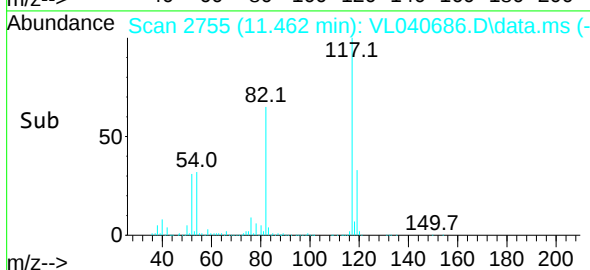
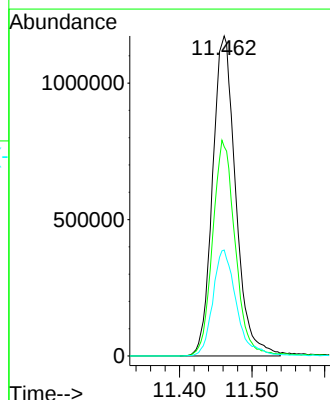
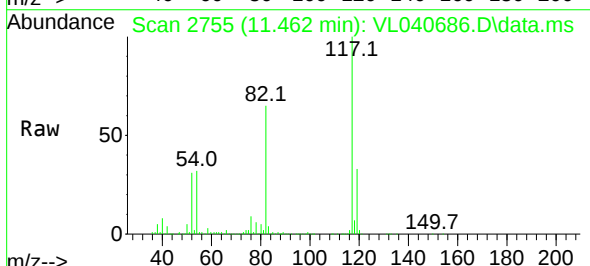
Tgt Ion:117 Resp: 2596570

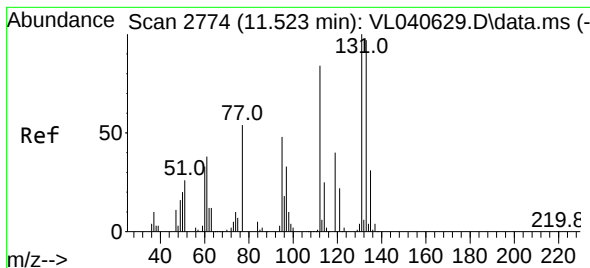
Ion Ratio Lower Upper

117 100

82 66.1 51.4 77.0

119 34.1 24.7 37.1

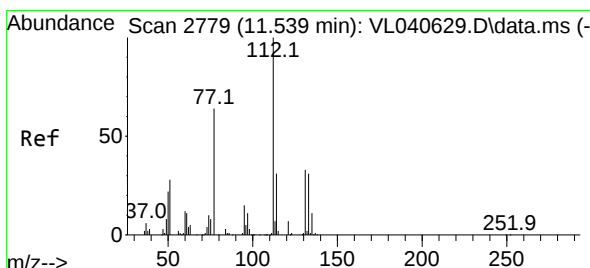
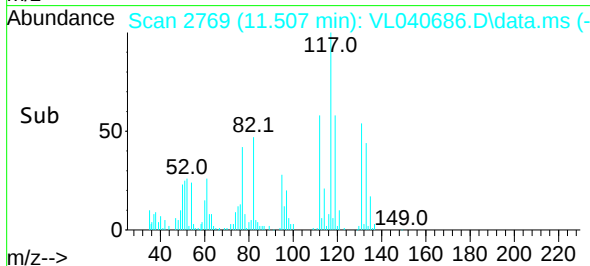
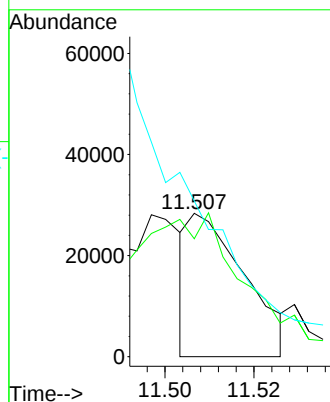
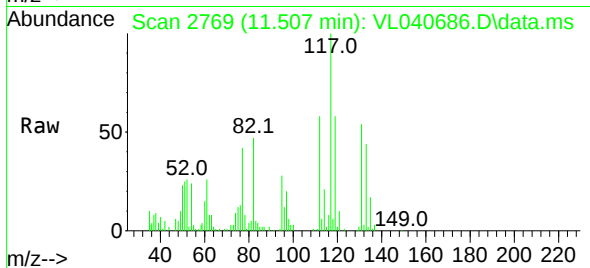




#56
1,1,1,2-Tetrachloroethane
Concen: 0.201 ppbv
RT: 11.507 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL040686.D
Acq: 14 Sep 2023 15:44

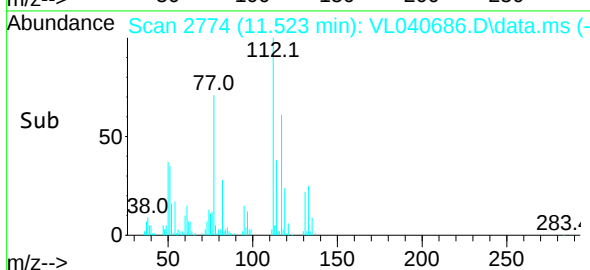
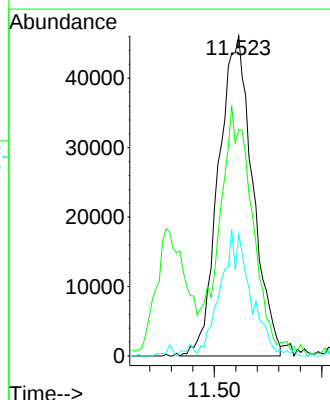
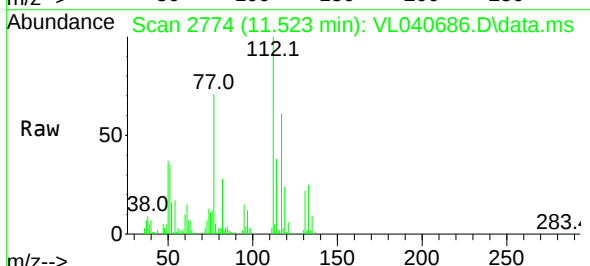
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

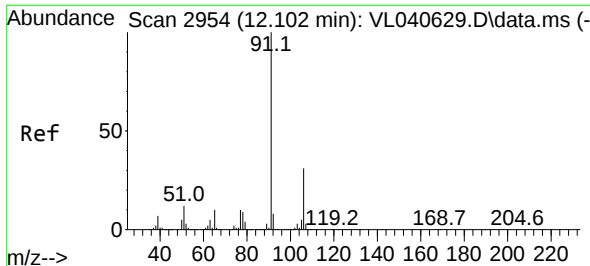
Tgt Ion:131 Resp: 24837
Ion Ratio Lower Upper
131 100
133 246.5 76.2 114.2#
119 0.0 45.5 68.3#



#57
Chlorobenzene
Concen: 0.517 ppbv
RT: 11.523 min Scan# 2774
Delta R.T. -0.000 min
Lab File: VL040686.D
Acq: 14 Sep 2023 15:44

Tgt Ion:112 Resp: 101641
Ion Ratio Lower Upper
112 100
77 66.5 50.8 76.2
114 36.7 28.2 34.4#

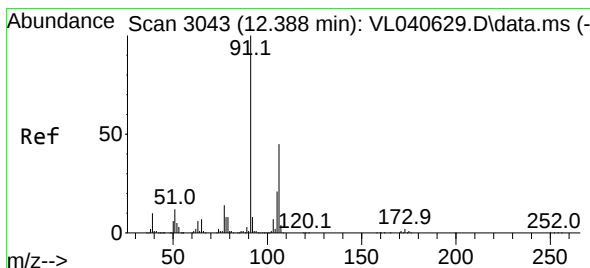
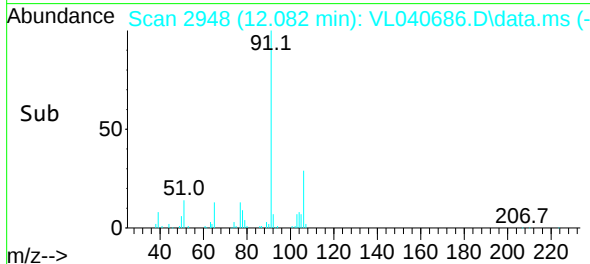
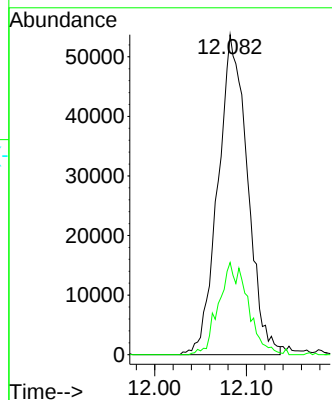
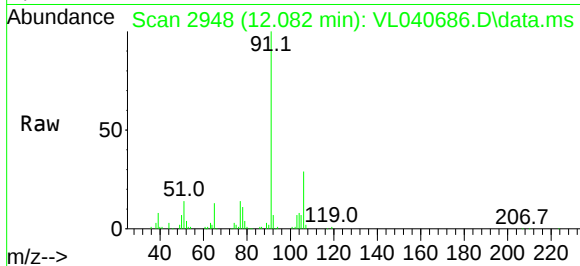




#58
Ethyl Benzene
Concen: 0.405 ppbv
RT: 12.082 min Scan# 2954
Delta R.T. -0.000 min
Lab File: VL040686.D
Acq: 14 Sep 2023 15:44

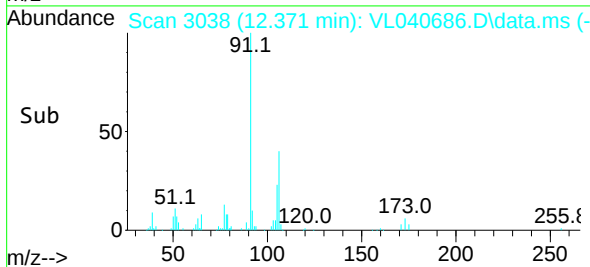
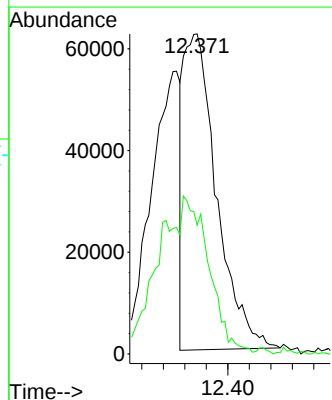
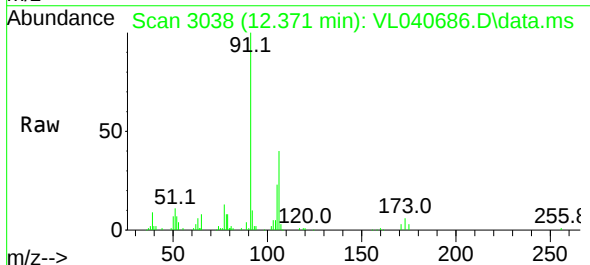
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

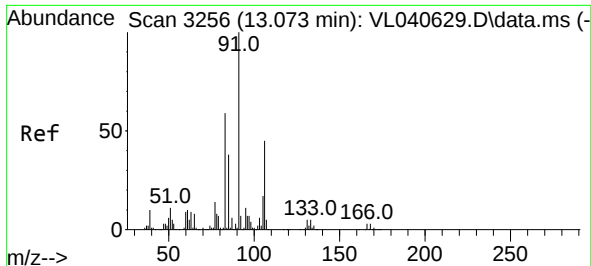
Tgt Ion: 91 Resp: 119931
Ion Ratio Lower Upper
91 100
106 28.8 24.7 37.1



#59
m/p-Xylene
Concen: 0.476 ppbv
RT: 12.371 min Scan# 3038
Delta R.T. 0.003 min
Lab File: VL040686.D
Acq: 14 Sep 2023 15:44

Tgt Ion: 91 Resp: 132258
Ion Ratio Lower Upper
91 100
106 0.0 34.8 52.2#

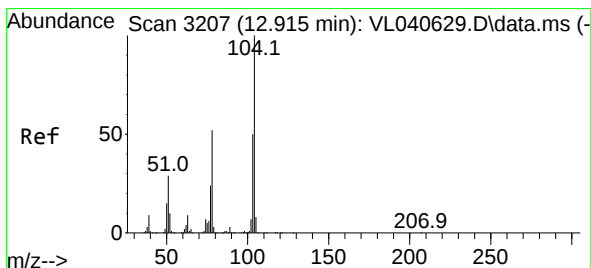
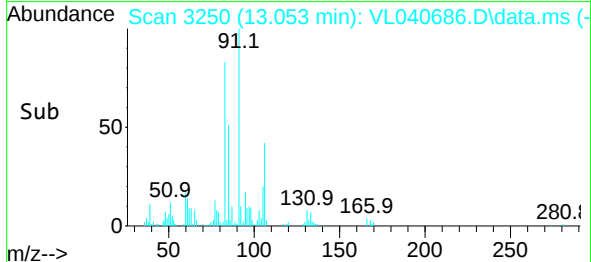
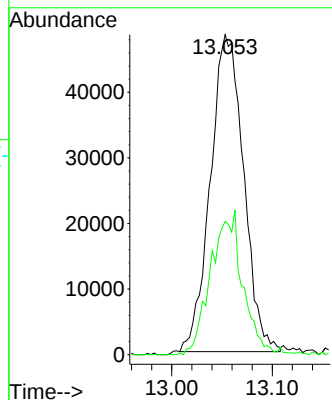
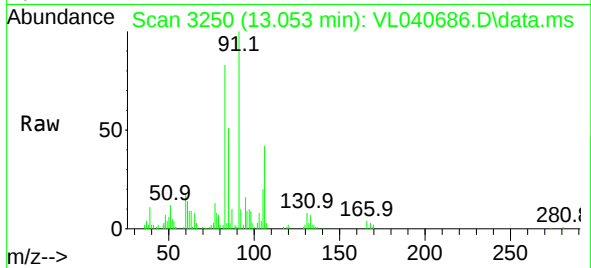




#60
o-Xylene
Concen: 0.419 ppbv
RT: 13.053 min Scan# 31
Delta R.T. -0.000 min
Lab File: VL040686.D
Acq: 14 Sep 2023 15:44

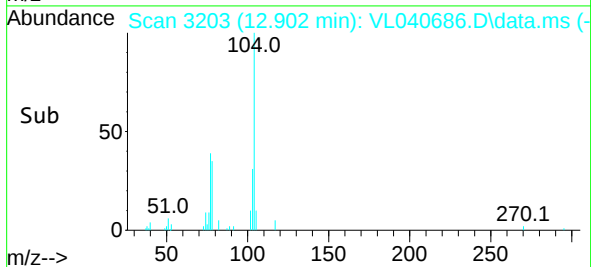
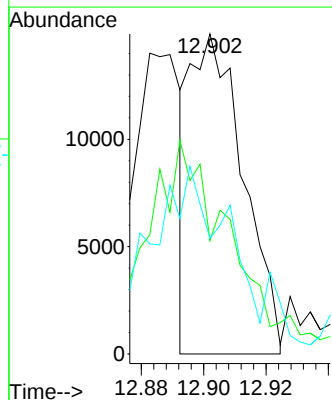
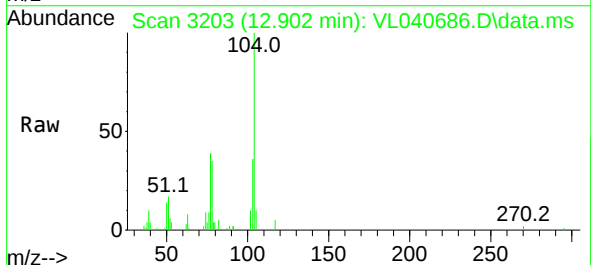
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

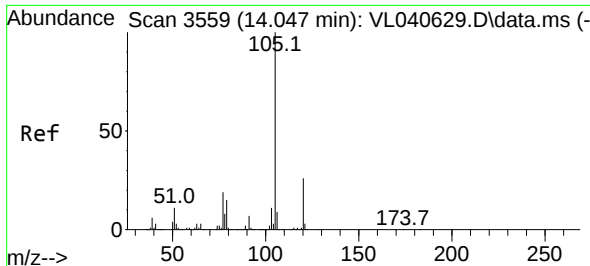
Tgt Ion: 91 Resp: 111196
Ion Ratio Lower Upper
91 100
106 43.6 22.3 66.9



#61
Styrene
Concen: 0.161 ppbv
RT: 12.902 min Scan# 3203
Delta R.T. 0.006 min
Lab File: VL040686.D
Acq: 14 Sep 2023 15:44

Tgt Ion: 104 Resp: 17869
Ion Ratio Lower Upper
104 100
78 115.5 43.4 65.0#
103 105.6 37.2 55.8#

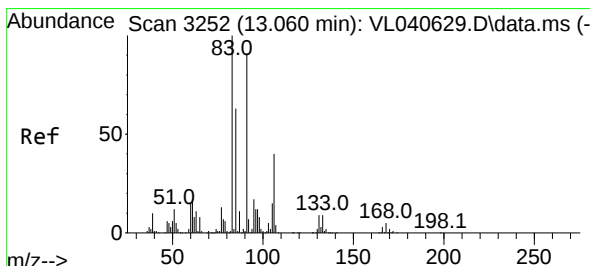
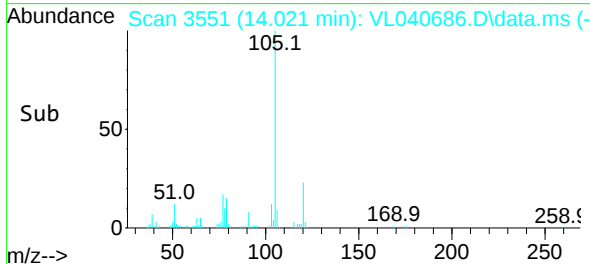
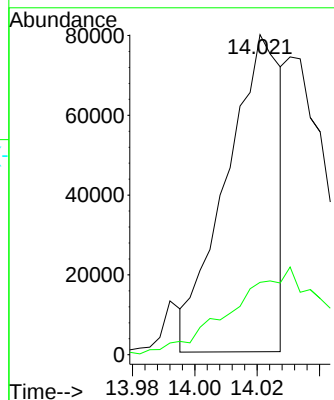
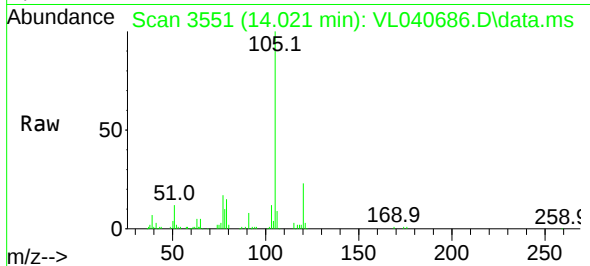




#62
Isopropylbenzene
Concen: 0.240 ppbv
RT: 14.021 min Scan# 31
Delta R.T. -0.003 min
Lab File: VL040686.D
Acq: 14 Sep 2023 15:44

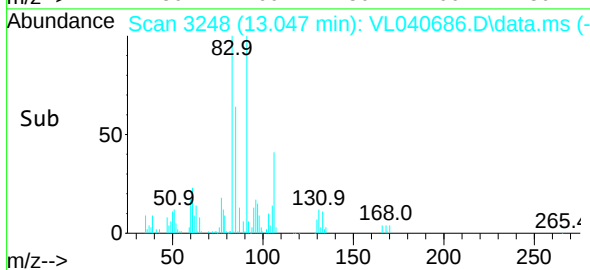
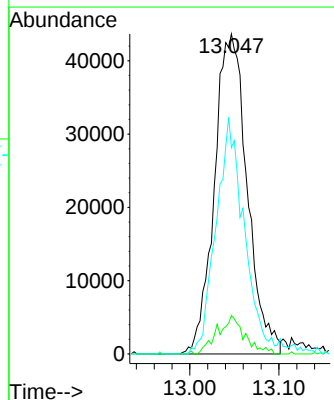
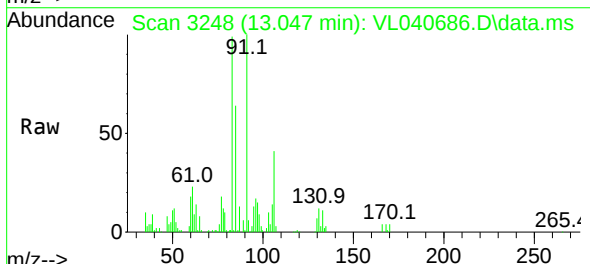
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

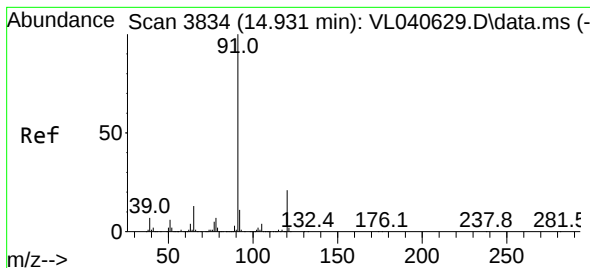
Tgt Ion:105 Resp: 95964
Ion Ratio Lower Upper
105 100
120 0.0 20.2 30.4#



#63
1,1,2,2-Tetrachloroethane
Concen: 0.537 ppbv
RT: 13.047 min Scan# 3248
Delta R.T. 0.006 min
Lab File: VL040686.D
Acq: 14 Sep 2023 15:44

Tgt Ion: 83 Resp: 111583
Ion Ratio Lower Upper
83 100
131 10.0 4.7 14.1
85 65.5 33.1 99.3





#64

n-propylbenzene

Concen: 0.406 ppbv

RT: 14.912 min Scan# 3828

Delta R.T. -0.000 min

Lab File: VL040686.D

Acq: 14 Sep 2023 15:44

Instrument :

MSVOA_L

ClientSampleId :

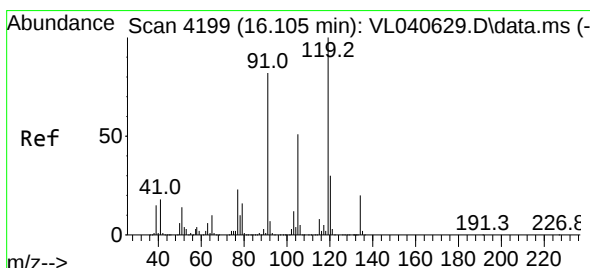
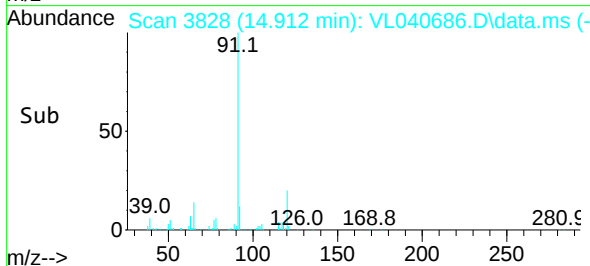
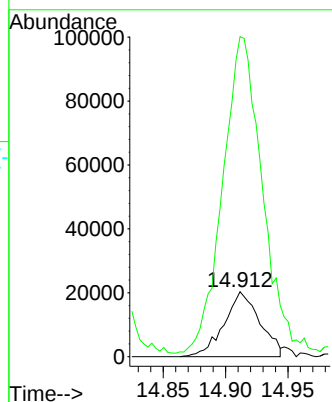
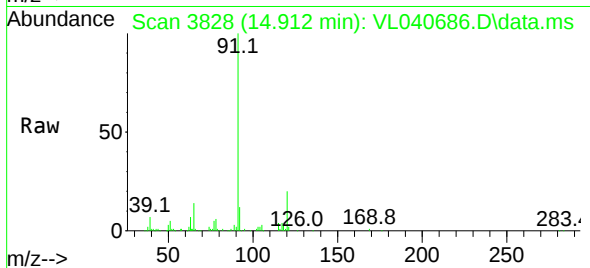
VSTDIC0.5

Tgt Ion:120 Resp: 40612

Ion Ratio Lower Upper

120 100

91 562.4 386.9 580.3



#65

tert-Butylbenzene

Concen: 0.243 ppbv

RT: 16.085 min Scan# 4193

Delta R.T. -0.000 min

Lab File: VL040686.D

Acq: 14 Sep 2023 15:44

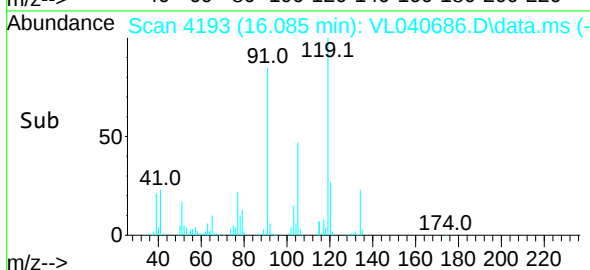
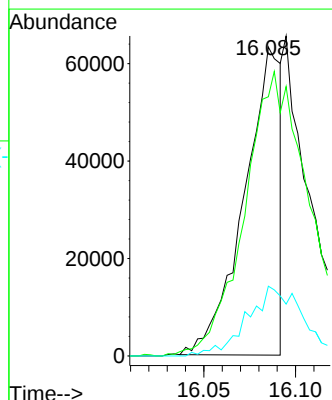
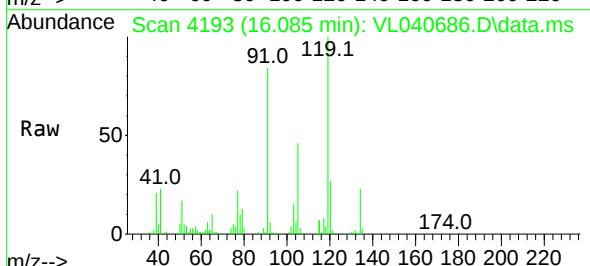
Tgt Ion:119 Resp: 87388

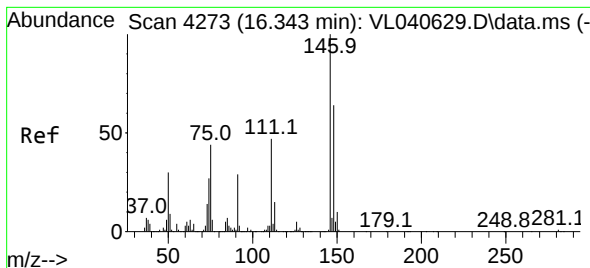
Ion Ratio Lower Upper

119 100

91 169.6 69.8 104.8#

134 35.6 15.4 23.2#

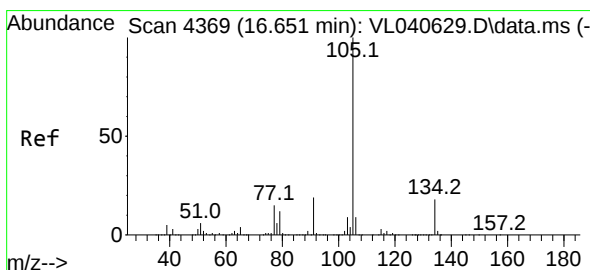
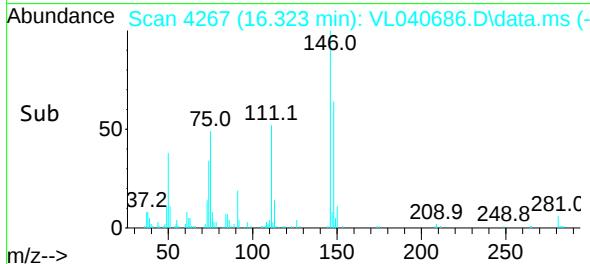
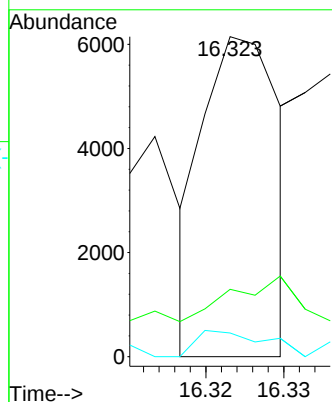
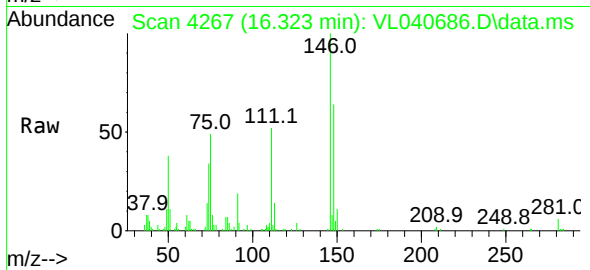




#66
Benzyl Chloride
Concen: 0.100 ppbv
RT: 16.323 min Scan# 4174
Delta R.T. -0.000 min
Lab File: VL040686.D
Acq: 14 Sep 2023 15:44

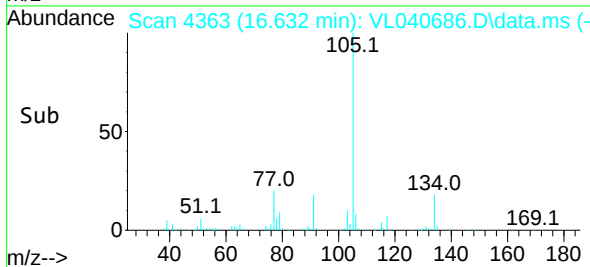
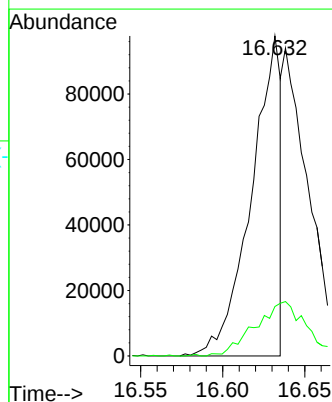
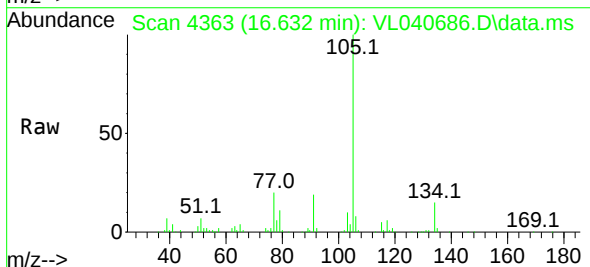
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

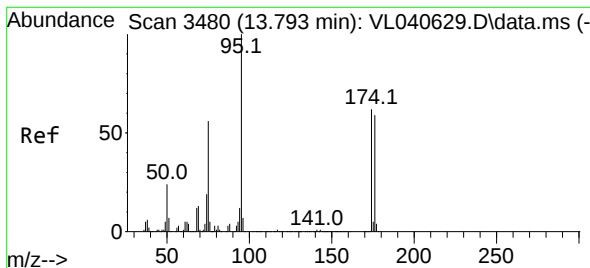
Tgt Ion: 91 Resp: 4174
Ion Ratio Lower Upper
91 100
126 0.0 13.6 20.4#
128 7.4 4.4 6.6#



#67
sec-Butylbenzene
Concen: 0.238 ppbv
RT: 16.632 min Scan# 4363
Delta R.T. -0.000 min
Lab File: VL040686.D
Acq: 14 Sep 2023 15:44

Tgt Ion: 105 Resp: 122166
Ion Ratio Lower Upper
105 100
134 0.0 14.1 21.1#

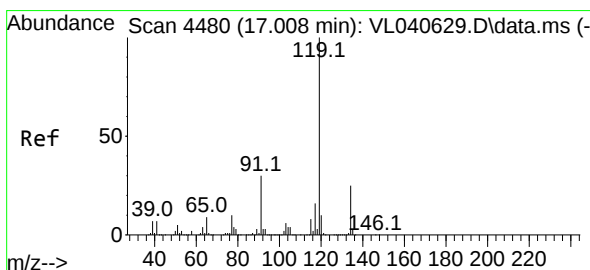
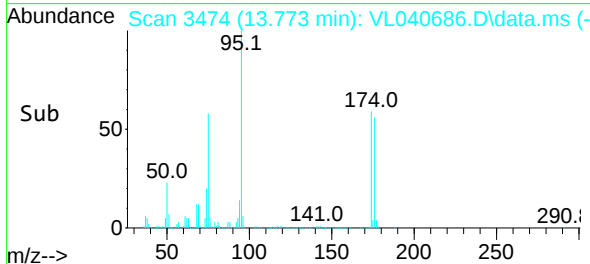
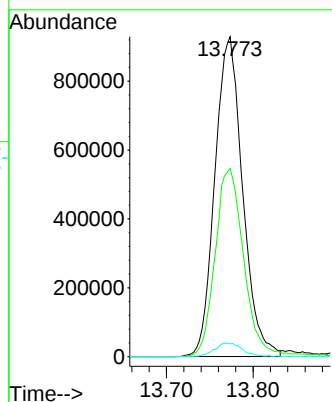
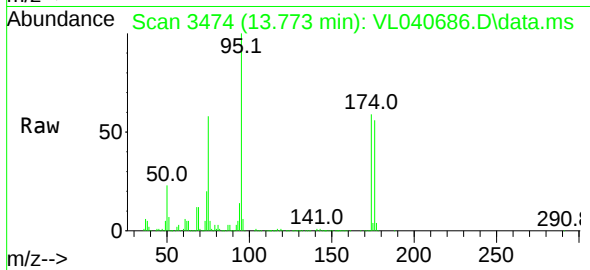




#68
1-Bromo-4-Fluorobenzene
Concen: 10.301 ppbv
RT: 13.773 min Scan# 3480
Delta R.T. 0.003 min
Lab File: VL040686.D
Acq: 14 Sep 2023 15:44

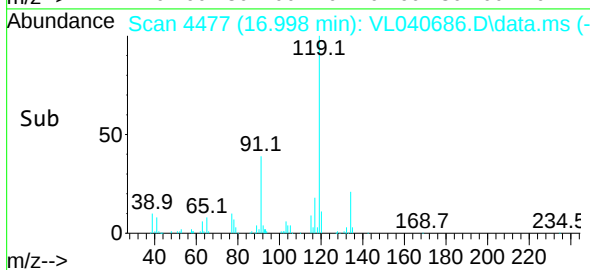
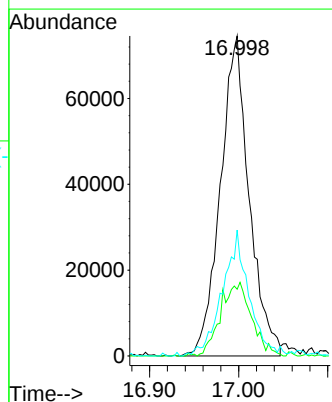
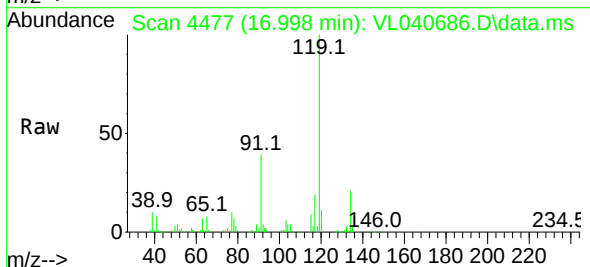
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

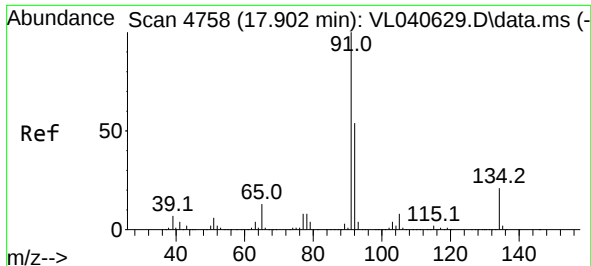
Tgt Ion: 95 Resp: 2066579
Ion Ratio Lower Upper
95 100
174 61.1 48.9 73.3
175 4.4 3.5 5.3



#69
p-Isopropyltoluene
Concen: 0.414 ppbv
RT: 16.998 min Scan# 4477
Delta R.T. 0.006 min
Lab File: VL040686.D
Acq: 14 Sep 2023 15:44

Tgt Ion: 119 Resp: 167249
Ion Ratio Lower Upper
119 100
134 25.2 20.2 30.2
91 37.5 25.0 37.6

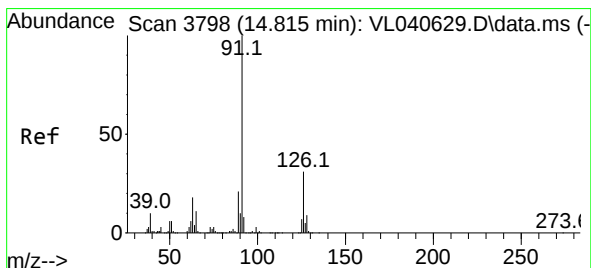
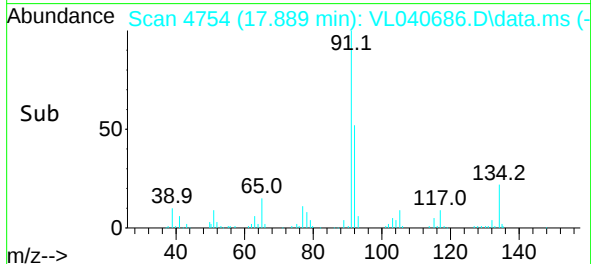
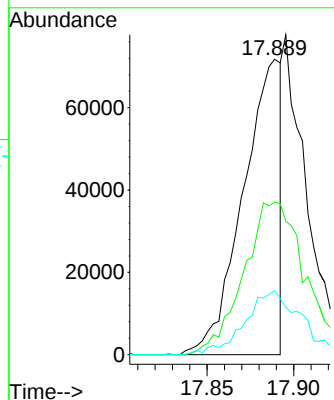
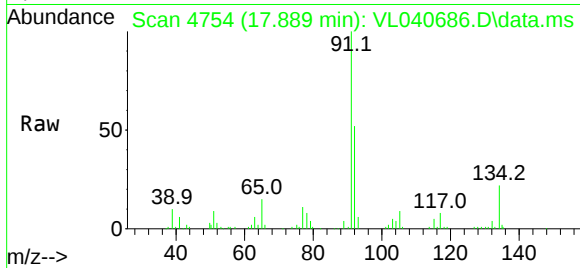




#70
n-Butylbenzene
Concen: 0.246 ppbv
RT: 17.889 min Scan# 4754
Delta R.T. 0.006 min
Lab File: VL040686.D
Acq: 14 Sep 2023 15:44

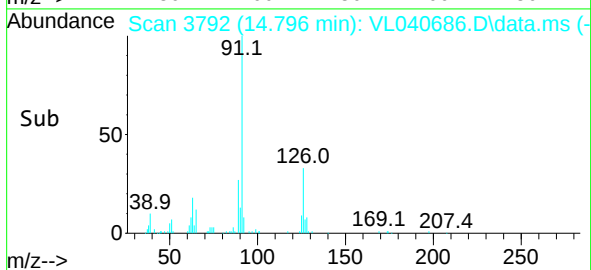
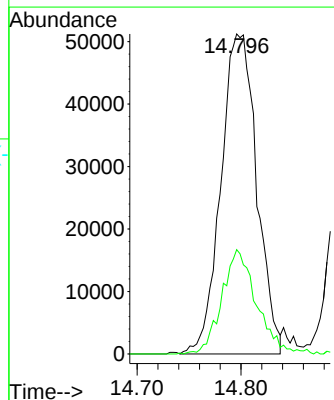
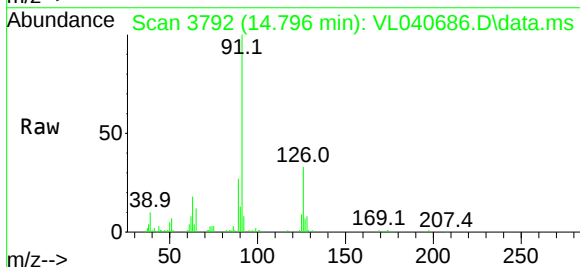
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

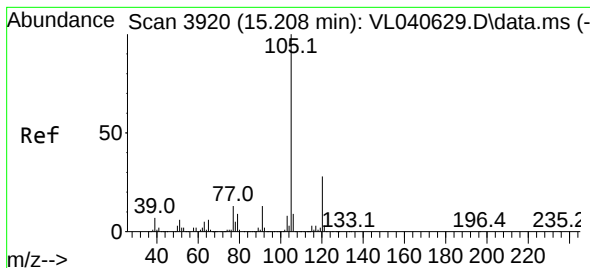
Tgt Ion: 91 Resp: 109370
Ion Ratio Lower Upper
91 100
92 88.2 42.7 64.1#
134 33.6 17.0 25.4#



#71
2-Chlorotoluene
Concen: 0.415 ppbv
RT: 14.796 min Scan# 3792
Delta R.T. -0.000 min
Lab File: VL040686.D
Acq: 14 Sep 2023 15:44

Tgt Ion: 91 Resp: 122803
Ion Ratio Lower Upper
91 100
126 31.7 12.0 47.8

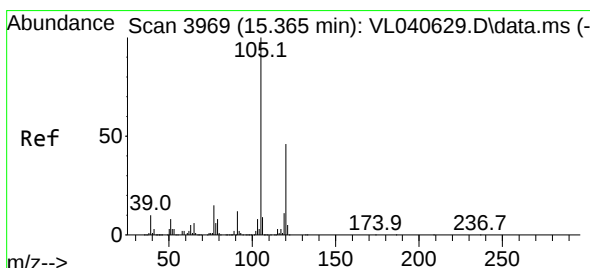
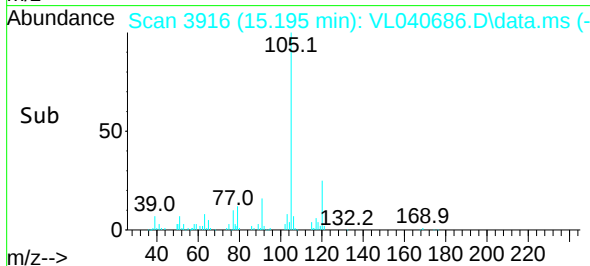
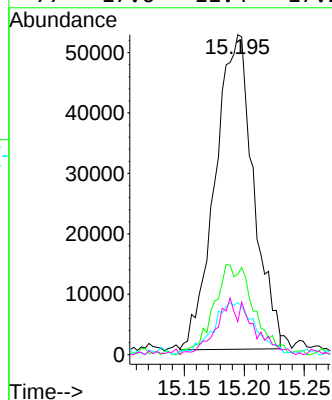
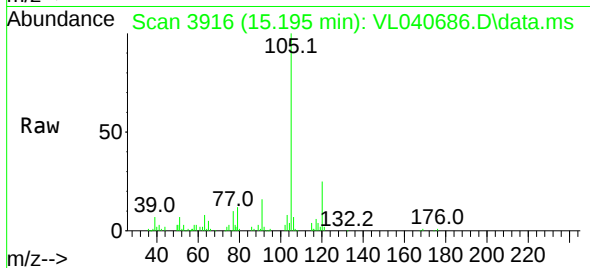




#72
4-Ethyltoluene
Concen: 0.389 ppbv
RT: 15.195 min Scan# 3916
Delta R.T. 0.006 min
Lab File: VL040686.D
Acq: 14 Sep 2023 15:44

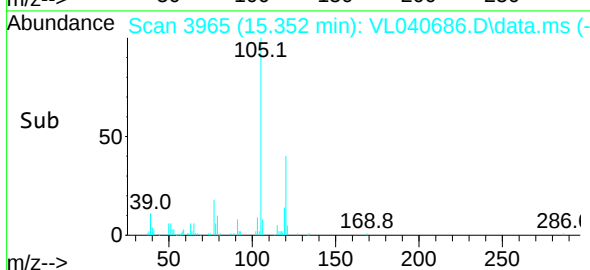
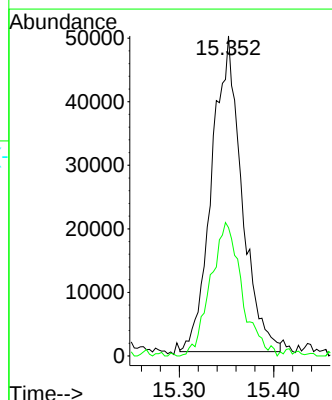
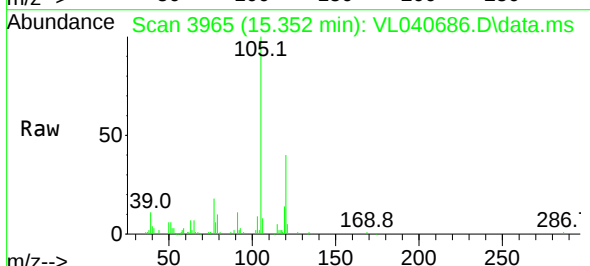
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

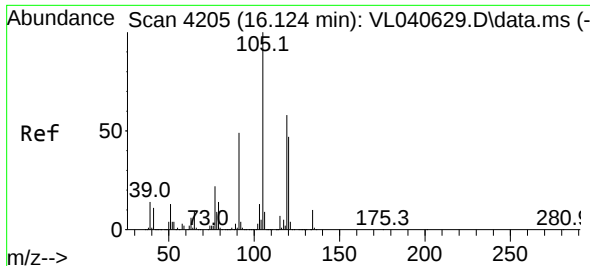
Tgt Ion:105 Resp: 115790
Ion Ratio Lower Upper
105 100
120 30.2 23.9 35.9
91 19.0 11.0 16.4#
77 17.6 11.4 17.2#



#73
1,3,5-Trimethylbenzene
Concen: 0.410 ppbv
RT: 15.352 min Scan# 3965
Delta R.T. 0.006 min
Lab File: VL040686.D
Acq: 14 Sep 2023 15:44

Tgt Ion:105 Resp: 109668
Ion Ratio Lower Upper
105 100
120 40.8 36.1 54.1

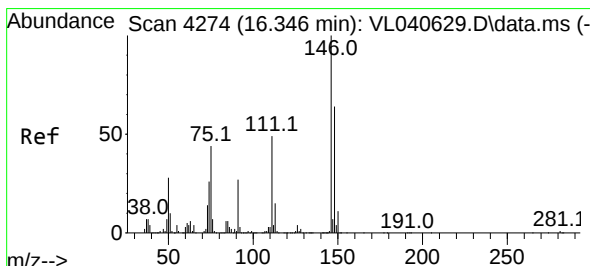
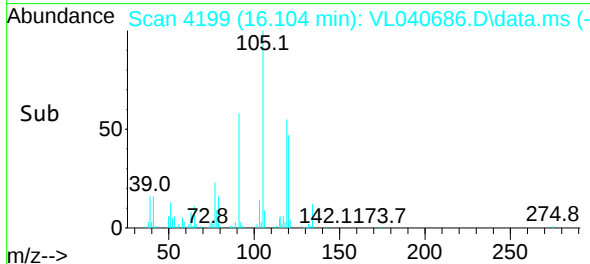
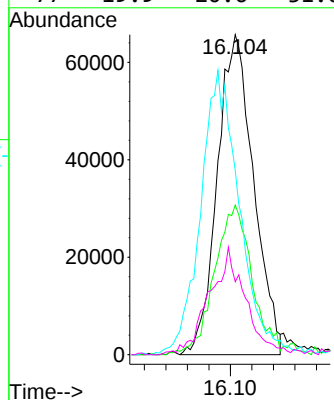
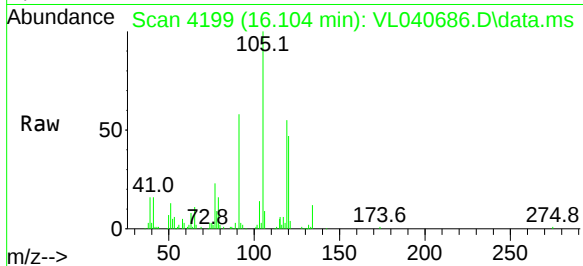




#74
1,2,4-Trimethylbenzene
Concen: 0.472 ppbv
RT: 16.104 min Scan# 4199
Delta R.T. 0.003 min
Lab File: VL040686.D
Acq: 14 Sep 2023 15:44

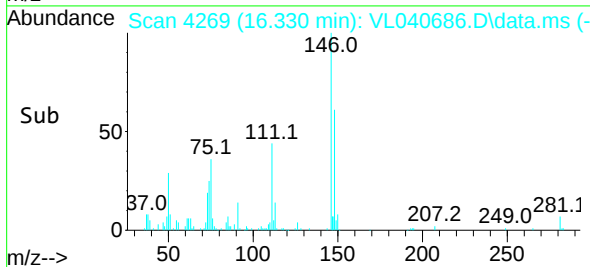
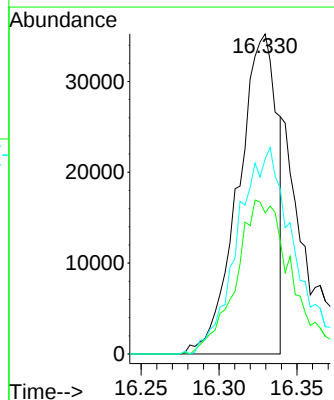
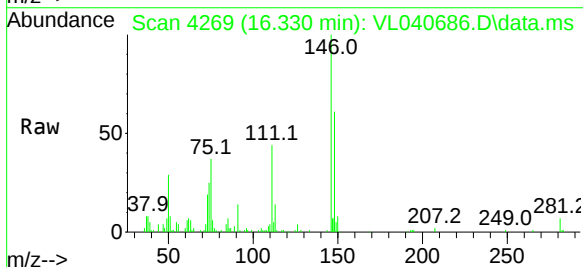
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

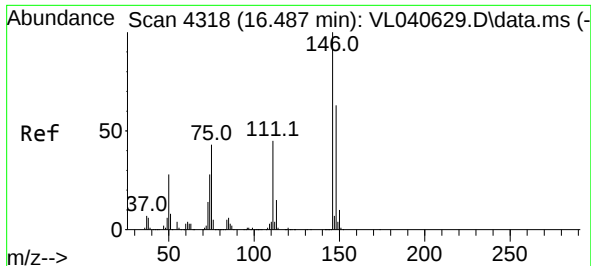
Tgt Ion:105 Resp: 153974
Ion Ratio Lower Upper
105 100
120 45.7 38.6 57.8
91 53.1 50.0 75.0
77 19.9 20.6 31.0#



#75
1,3-Dichlorobenzene
Concen: 0.329 ppbv
RT: 16.330 min Scan# 4269
Delta R.T. 0.003 min
Lab File: VL040686.D
Acq: 14 Sep 2023 15:44

Tgt Ion:146 Resp: 61175
Ion Ratio Lower Upper
146 100
111 72.7 23.9 71.7#
148 97.7 31.8 95.4#

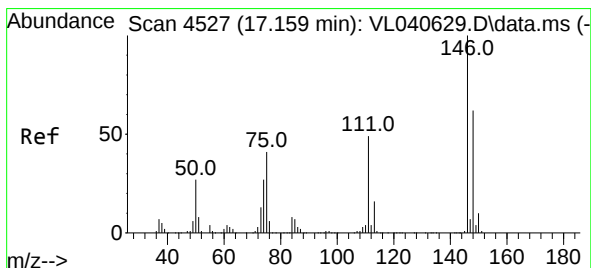
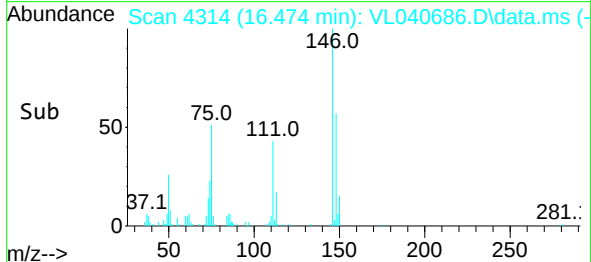
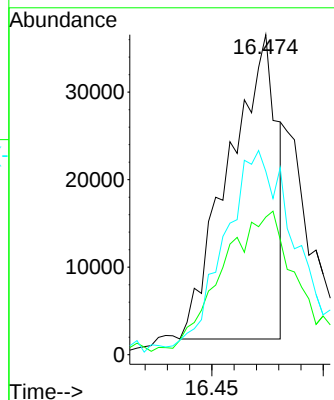
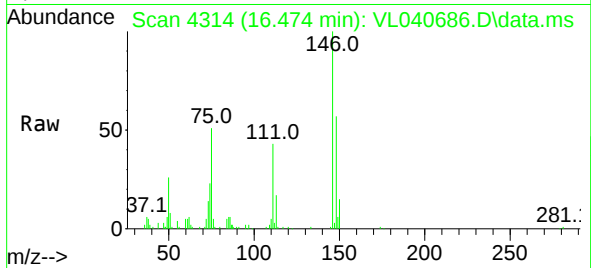




#76
1,4-Dichlorobenzene
Concen: 0.286 ppbv
RT: 16.474 min Scan# 4314
Delta R.T. 0.006 min
Lab File: VL040686.D
Acq: 14 Sep 2023 15:44

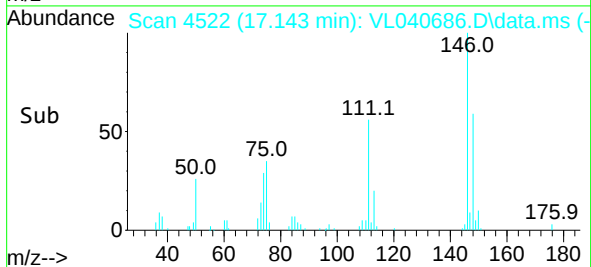
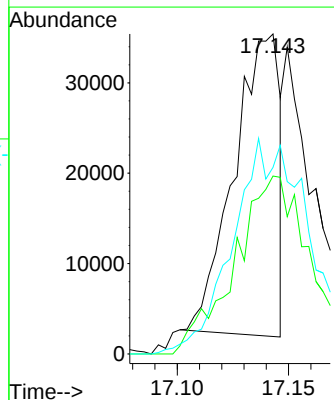
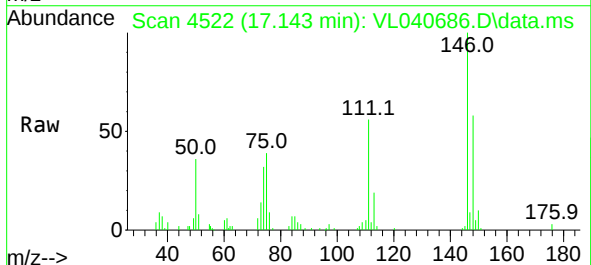
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

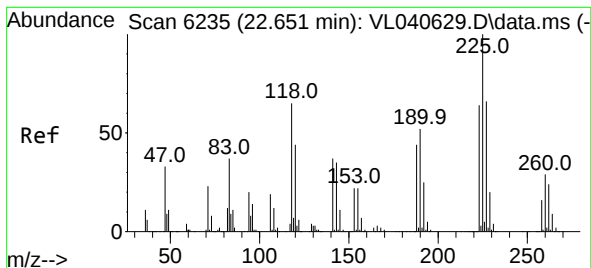
Tgt Ion:146 Resp: 52275
Ion Ratio Lower Upper
146 100
111 79.9 23.8 71.2#
148 112.0 32.6 97.7#



#77
1,2-Dichlorobenzene
Concen: 0.257 ppbv
RT: 17.143 min Scan# 4522
Delta R.T. 0.003 min
Lab File: VL040686.D
Acq: 14 Sep 2023 15:44

Tgt Ion:146 Resp: 47510
Ion Ratio Lower Upper
146 100
111 103.8 25.0 75.0#
148 129.0 32.4 97.0#





#78

Hexachloro-1,3-Butadiene

Concen: 0.127 ppbv

RT: 22.625 min Scan# 61

Delta R.T. -0.003 min

Lab File: VL040686.D

Acq: 14 Sep 2023 15:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

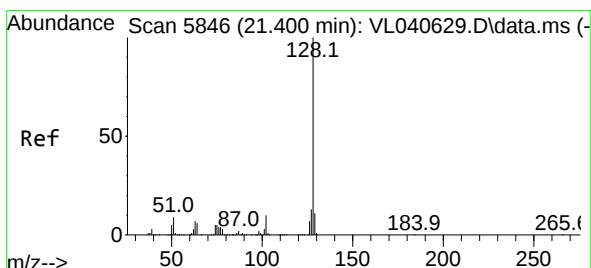
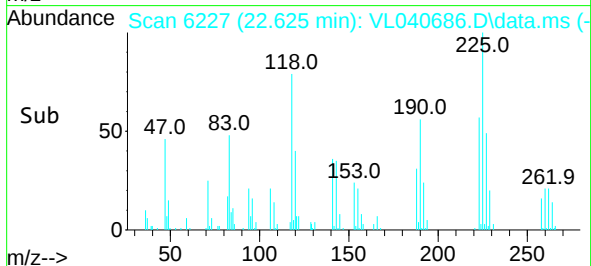
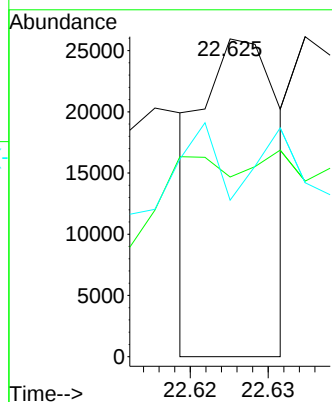
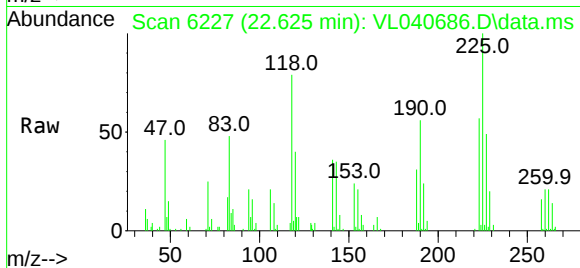
Tgt Ion:225 Resp: 17737

Ion Ratio Lower Upper

225 100

223 0.0 51.2 76.8#

227 278.6 50.7 76.1#



#79

Naphthalene

Concen: 0.097 ppbv

RT: 21.374 min Scan# 5838

Delta R.T. -0.003 min

Lab File: VL040686.D

Acq: 14 Sep 2023 15:44

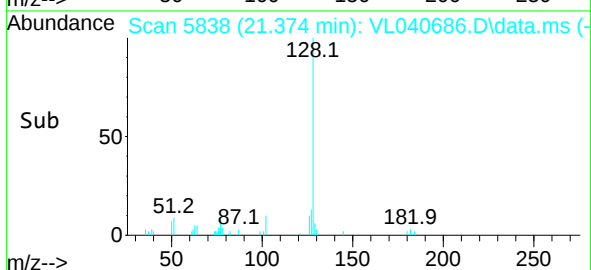
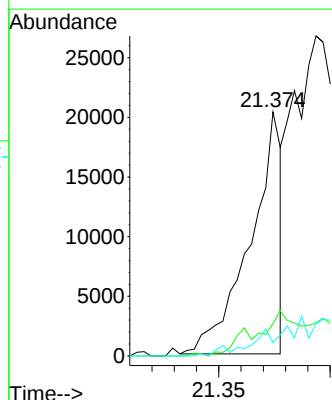
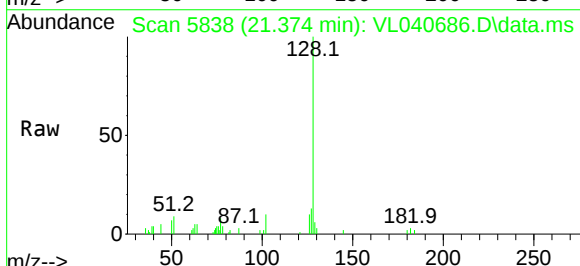
Tgt Ion:128 Resp: 19665

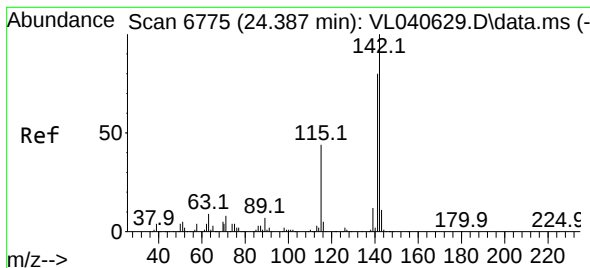
Ion Ratio Lower Upper

128 100

127 13.3 9.8 14.6

129 5.6 8.4 12.6#





#80

Naphthalene, 2-methyl-

Concen: 0.113 ppbv

RT: 24.374 min Scan# 61

Delta R.T. -0.000 min

Lab File: VL040686.D

Acq: 14 Sep 2023 15:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

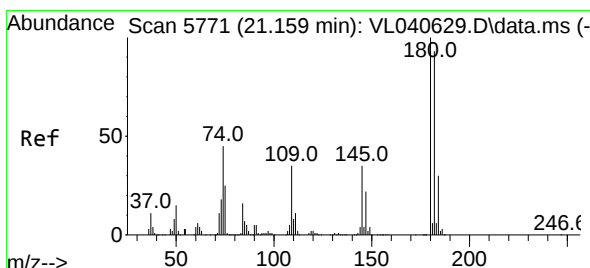
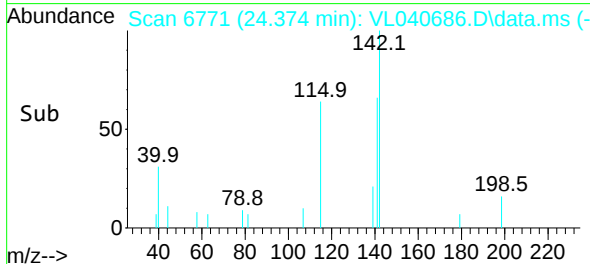
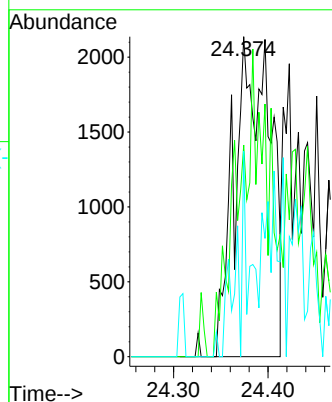
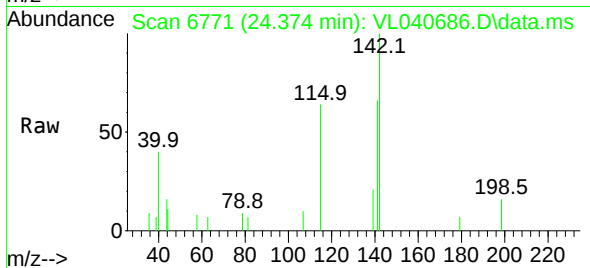
Tgt Ion:142 Resp: 5603

Ion Ratio Lower Upper

142 100

141 103.2 67.0 100.6#

115 34.5 37.4 56.2#



#81

1,2,4-Trichlorobenzene

Concen: 0.332 ppbv

RT: 21.146 min Scan# 5767

Delta R.T. 0.010 min

Lab File: VL040686.D

Acq: 14 Sep 2023 15:44

Tgt Ion:180 Resp: 44041

Ion Ratio Lower Upper

180 100

182 125.2 77.9 116.9#

184 40.0 24.4 36.6#

