

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040424\
 Data File : VL041122.D
 Acq On : 4 Apr 2024 10:45
 Operator : SY/MD
 Sample : VSTDICC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

Quant Time: Apr 05 04:16:39 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL040424AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Apr 05 04:13:19 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.214	49	1452151	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.680	114	3779418	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.500	117	3451776	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.809	95	2820273	10.198	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.000%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.735	85	274396	1.101	ppbv	94
3) Chlorodifluoromethane	2.681	51	241691	1.081	ppbv	98
4) Chloromethane	2.819	50	88011	1.040	ppbv	100
5) Vinyl Chloride	2.928	62	89026	1.101	ppbv	92
6) Bromomethane	3.128	94	18028	0.586	ppbv	86
7) Chloroethane	3.208	64	32684	1.109	ppbv	90
8) Dichlorotetrafluoroethane	2.864	85	223128	1.053	ppbv	95
9) Propene	2.697	41	75495	1.061	ppbv	99
10) Heptane	7.610	43	171597	1.016	ppbv	98
11) Trichlorofluoromethane	3.574	101	238891	1.061	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.086	101	173001	1.061	ppbv	98
13) Ethanol	3.272	45	21394	1.291	ppbv	99
14) Bromoethene	3.378	108	63906	0.995	ppbv	89
15) Acetone	3.491	43	172327	1.096	ppbv	97
16) 1,3-Butadiene	2.993	39	79376	1.028	ppbv	92
17) tert-Butyl alcohol	3.906	59	162555	1.139	ppbv	99
18) 1,1-Dichloroethene	3.896	96	73067	1.050	ppbv	84
19) Isopropyl Alcohol	3.603	45	112810	1.168	ppbv	98
20) Methylene Chloride	3.947	84	70799	1.092	ppbv	95
21) Allyl Chloride	4.012	41	96530	1.008	ppbv	95
22) trans-1,2-Dichloroethene	4.468	96	73157	1.008	ppbv	91
23) Vinyl Acetate	4.652	43	162125	0.994	ppbv #	96
24) 1,1-Dichloroethane	4.581	63	147739	1.011	ppbv	96
25) Ethyl Acetate	5.234	43	302171	1.023	ppbv	98
26) Hexane	5.237	57	143979	1.087	ppbv	96
27) Carbon Disulfide	4.144	76	157992	0.982	ppbv	98
28) Methyl tert-Butyl Ether	4.616	73	101404	1.014	ppbv	97
29) Chloroform	5.295	83	238488	1.068	ppbv	99
30) Cyclohexane	6.629	84	102346	0.960	ppbv	94
31) cis-1,2-Dichloroethene	5.102	61	126633	1.010	ppbv	87
32) 1,1,1-Trichloroethane	6.028	97	221675	1.074	ppbv	96
34) 2-Butanone	4.812	43	165277	1.012	ppbv	99
35) Carbon Tetrachloride	6.523	117	231163	1.072	ppbv	99
36) Benzene	6.398	78	284445	1.026	ppbv	98
37) 1,2-Dichloroethane	5.832	62	168020	1.008	ppbv	98
38) Trichloroethene	7.324	130	56688	0.563	ppbv	92
39) 1,2-Dichloropropane	7.105	63	43446	0.395	ppbv	89
40) 1,4-Dioxane	7.333	88	39901	1.058	ppbv	99
41) Tetrahydrofuran	5.597	42	98416	0.943	ppbv	98
42) Bromodichloromethane	7.275	83	236675	0.994	ppbv	92
43) Methyl Methacrylate	7.507	69	98797	1.026	ppbv	92
44) 2,2,4-Trimethylpentane	7.359	57	479124	1.043	ppbv	98
45) t-1,3-Dichloropropene	8.745	75	35057	0.565	ppbv	94

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 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 VSTDICC001

Quant Time: Apr 05 04:16:39 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL040424AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Apr 05 04:13:19 2024
 Response via : Initial Calibration

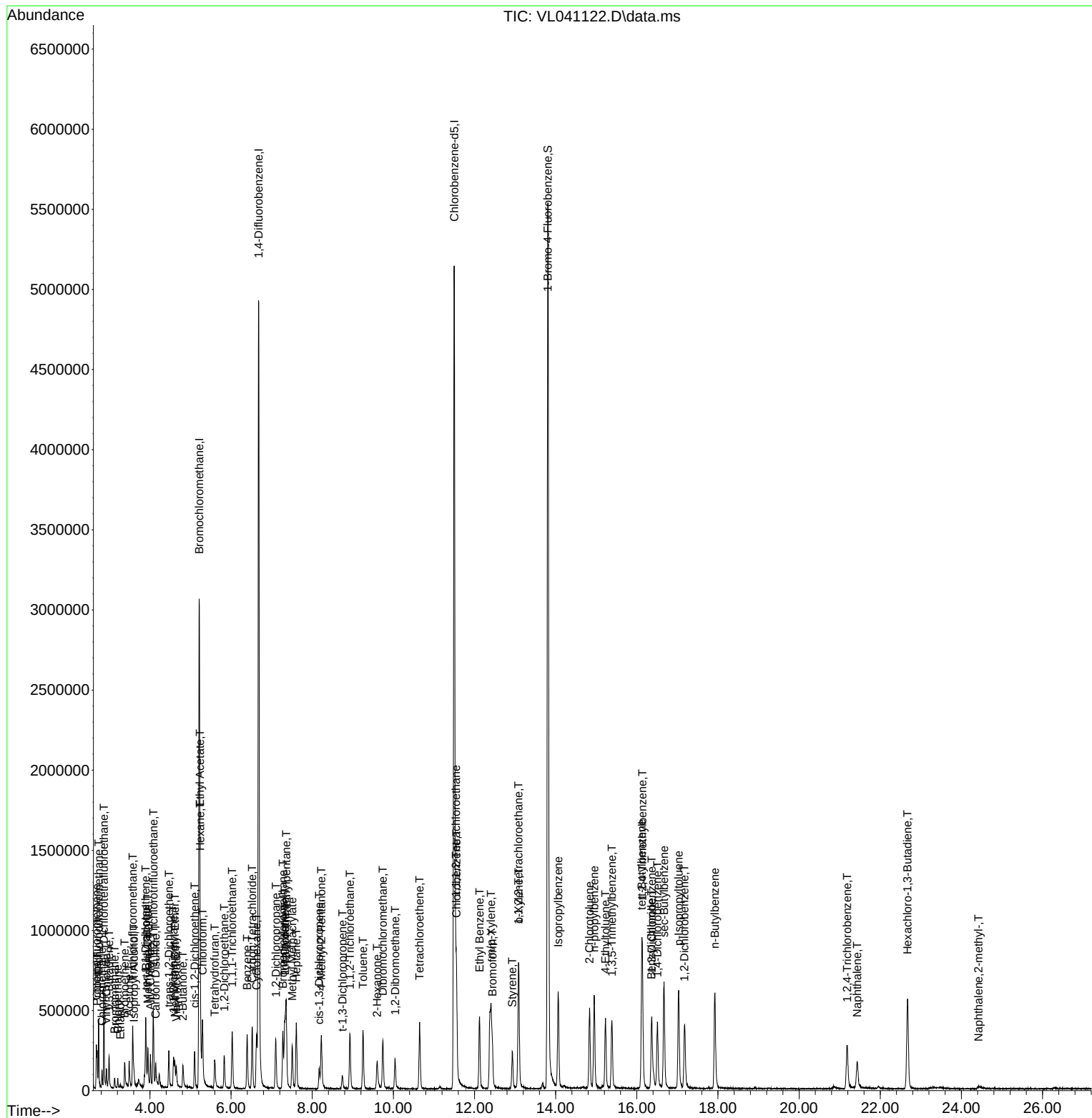
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.169	75	68721	0.870	ppbv	95
47) 1,1,2-Trichloroethane	8.928	97	117571	0.994	ppbv	92
48) Dibromochloromethane	9.741	129	179547	0.956	ppbv	97
49) Bromoform	12.442	173	68110	0.458	ppbv #	23
50) 4-Methyl-2-Pentanone	8.224	43	277564	0.991	ppbv	100
51) 2-Hexanone	9.597	43	171662	0.884	ppbv #	97
52) Tetrachloroethene	10.645	164	92701	1.043	ppbv	89
53) Toluene	9.249	91	284677	0.971	ppbv	100
54) 1,2-Dibromoethane	10.044	107	145141	0.985	ppbv	91
56) 1,1,1,2-Tetrachloroethane	11.542	131	150285	1.065	ppbv #	1
57) Chlorobenzene	11.555	112	246479	1.055	ppbv	98
58) Ethyl Benzene	12.124	91	388820	1.034	ppbv	97
59) m/p-Xylene	12.407	91	355396	1.046	ppbv #	37
60) o-Xylene	13.092	91	333251	1.031	ppbv	100
61) Styrene	12.928	104	61889	0.433	ppbv #	20
62) Isopropylbenzene	14.063	105	505349	1.053	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.082	83	278514	1.092	ppbv	98
64) n-propylbenzene	14.950	120	124398	1.036	ppbv	92
65) tert-Butylbenzene	16.121	119	437475	1.044	ppbv	95
66) Benzyl Chloride	16.359	91	6074	0.220	ppbv #	1
67) sec-Butylbenzene	16.670	105	643782	1.065	ppbv	96
69) p-Isopropyltoluene	17.031	119	480697	1.020	ppbv	97
70) n-Butylbenzene	17.924	91	521755	1.017	ppbv	99
71) 2-Chlorotoluene	14.834	91	378542	1.030	ppbv	99
72) 4-Ethyltoluene	15.227	105	366886	1.029	ppbv	97
73) 1,3,5-Trimethylbenzene	15.384	105	320568	1.011	ppbv	91
74) 1,2,4-Trimethylbenzene	16.137	105	222738	0.609	ppbv #	89
75) 1,3-Dichlorobenzene	16.365	146	213569	1.007	ppbv	99
76) 1,4-Dichlorobenzene	16.506	146	205228	0.994	ppbv	97
77) 1,2-Dichlorobenzene	17.172	146	202607	0.983	ppbv	94
78) Hexachloro-1,3-Butadiene	22.673	225	141590	1.034	ppbv	99
79) Naphthalene	21.432	128	207588	0.904	ppbv	98
80) Naphthalene,2-methyl-	24.419	142	16958	0.421	ppbv #	88
81) 1,2,4-Trichlorobenzene	21.185	180	117321	0.887	ppbv	99

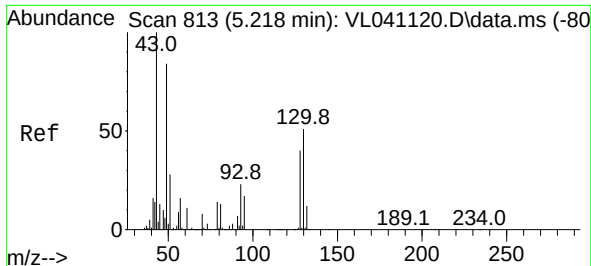
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
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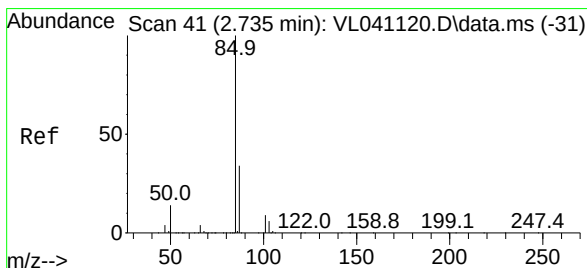
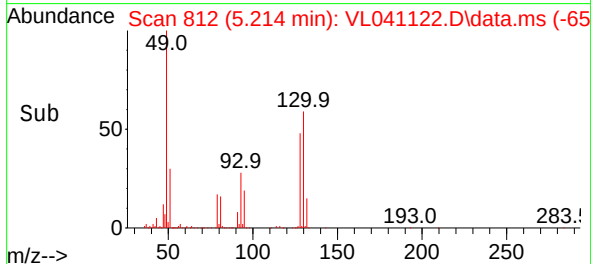
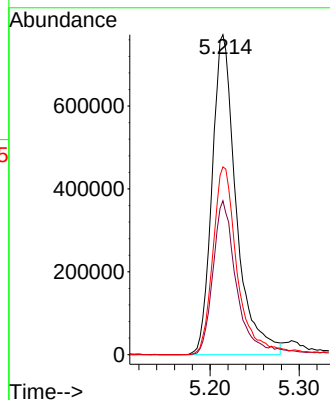
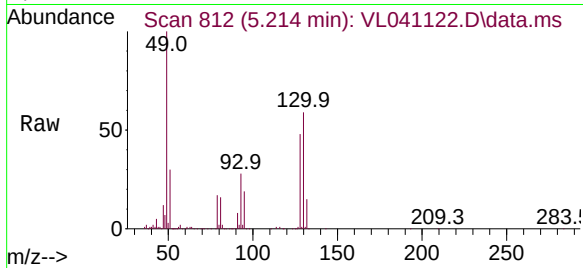




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.214 min Scan# 81
Delta R.T. -0.004 min
Lab File: VL041122.D
Acq: 4 Apr 2024 10:45

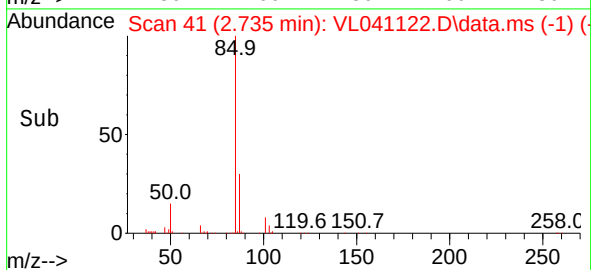
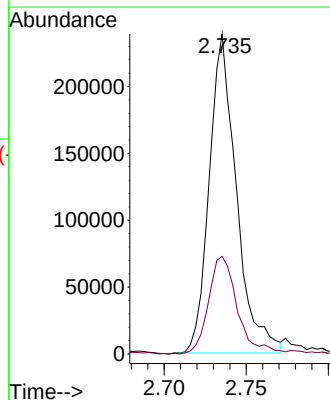
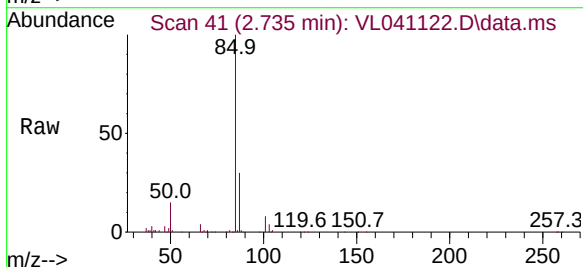
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

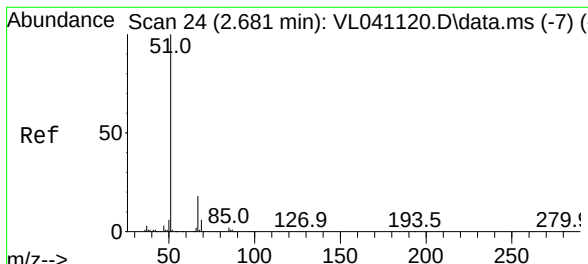
Tgt Ion: 49 Resp: 1452151
Ion Ratio Lower Upper
49 100
128 48.8 23.6 71.0
130 61.5 30.1 90.5



#2
Dichlorodifluoromethane
Concen: 1.101 ppbv
RT: 2.735 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL041122.D
Acq: 4 Apr 2024 10:45

Tgt Ion: 85 Resp: 274396
Ion Ratio Lower Upper
85 100
87 30.6 27.0 40.6

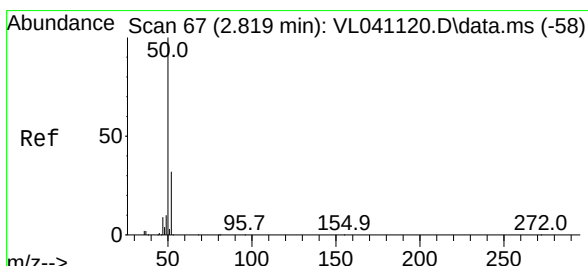
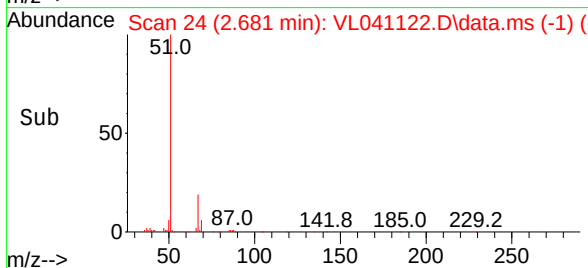
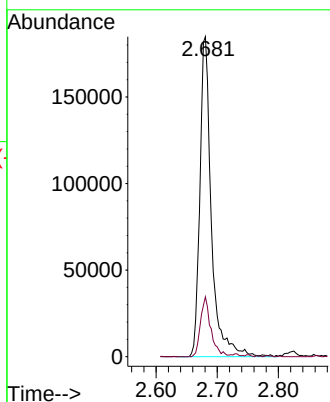
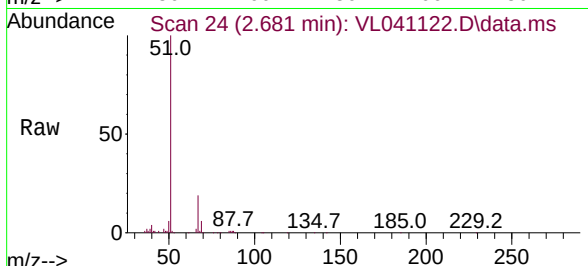




#3
 Chlorodifluoromethane
 Concen: 1.081 ppbv
 RT: 2.681 min Scan# 24
 Delta R.T. -0.000 min
 Lab File: VL041122.D
 Acq: 4 Apr 2024 10:45

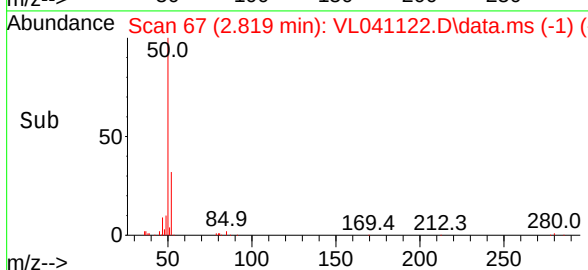
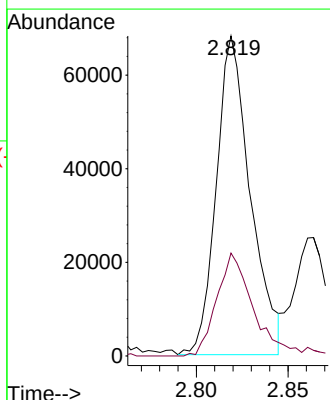
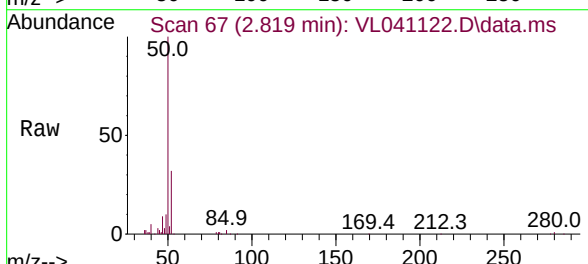
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

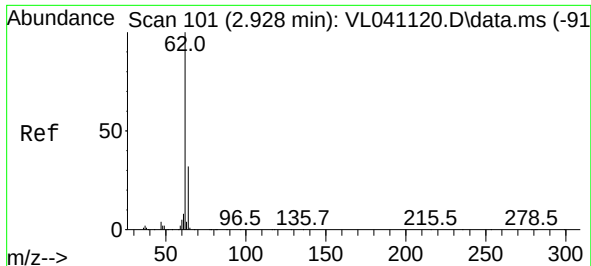
Tgt Ion: 51 Resp: 241691
 Ion Ratio Lower Upper
 51 100
 67 17.8 14.9 22.3



#4
 Chloromethane
 Concen: 1.040 ppbv
 RT: 2.819 min Scan# 67
 Delta R.T. -0.000 min
 Lab File: VL041122.D
 Acq: 4 Apr 2024 10:45

Tgt Ion: 50 Resp: 88011
 Ion Ratio Lower Upper
 50 100
 52 32.3 26.0 39.0

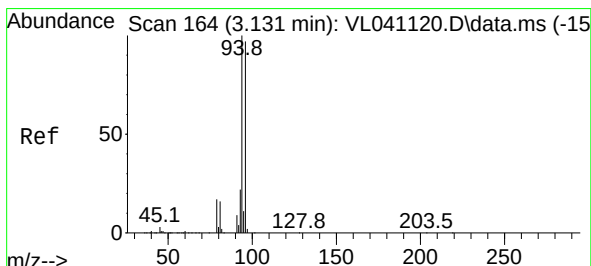
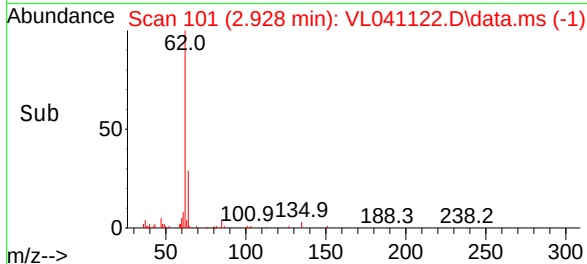
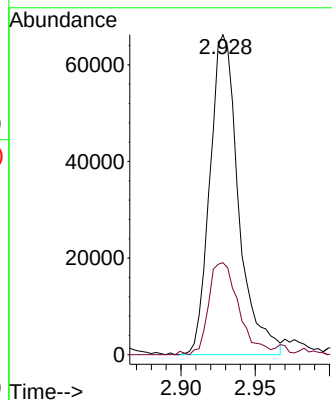
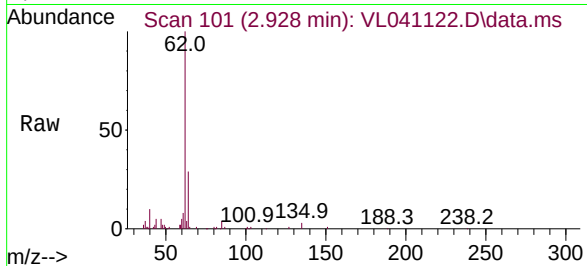




#5
 Vinyl Chloride
 Concen: 1.101 ppbv
 RT: 2.928 min Scan# 101
 Delta R.T. -0.000 min
 Lab File: VL041122.D
 Acq: 4 Apr 2024 10:45

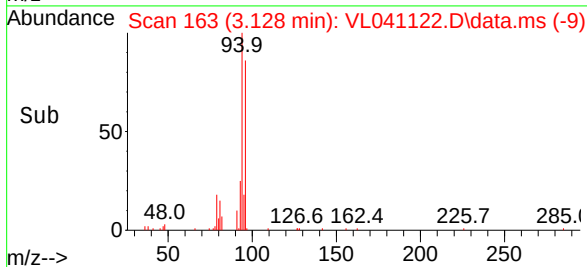
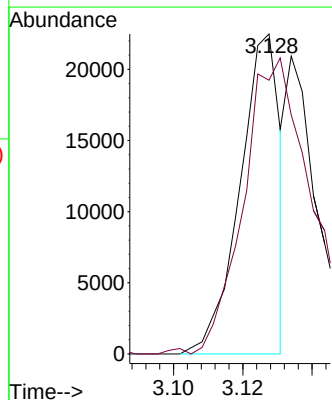
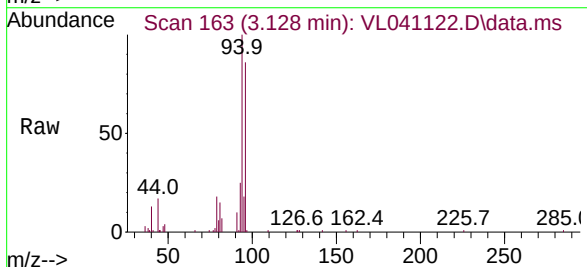
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

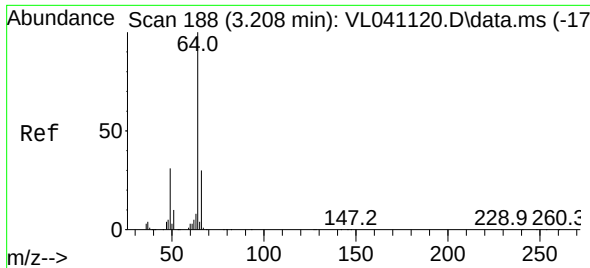
Tgt Ion: 62 Resp: 89026
 Ion Ratio Lower Upper
 62 100
 64 27.7 25.6 38.4



#6
 Bromomethane
 Concen: 0.586 ppbv
 RT: 3.128 min Scan# 163
 Delta R.T. -0.003 min
 Lab File: VL041122.D
 Acq: 4 Apr 2024 10:45

Tgt Ion: 94 Resp: 18028
 Ion Ratio Lower Upper
 94 100
 96 83.8 77.9 116.9

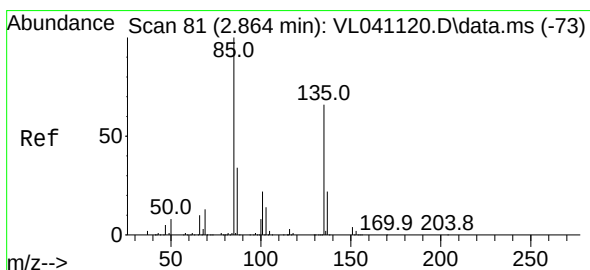
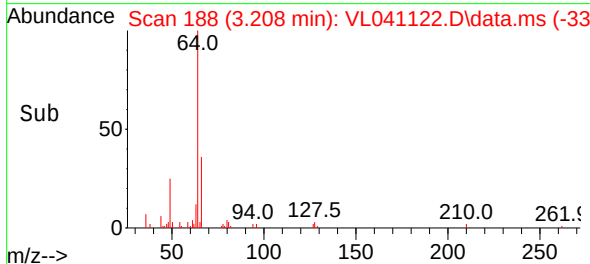
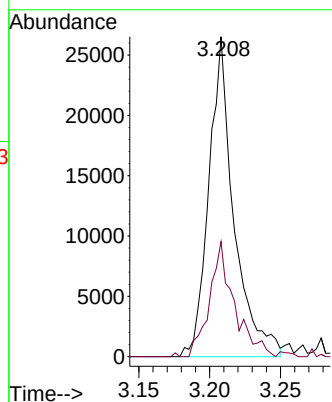
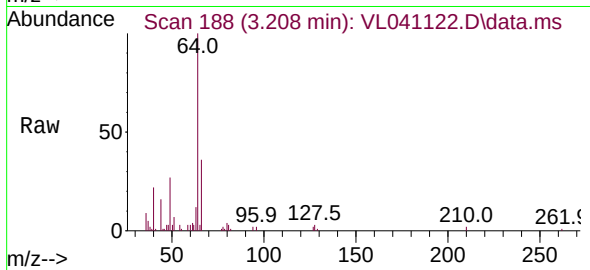




#7
Chloroethane
Concen: 1.109 ppbv
RT: 3.208 min Scan# 11
Delta R.T. -0.000 min
Lab File: VL041122.D
Acq: 4 Apr 2024 10:45

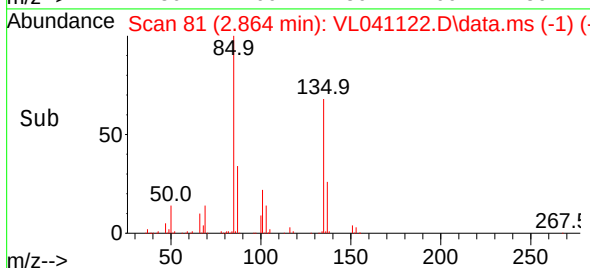
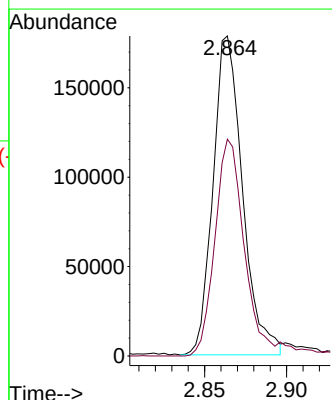
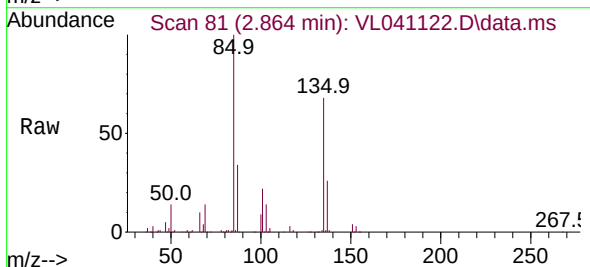
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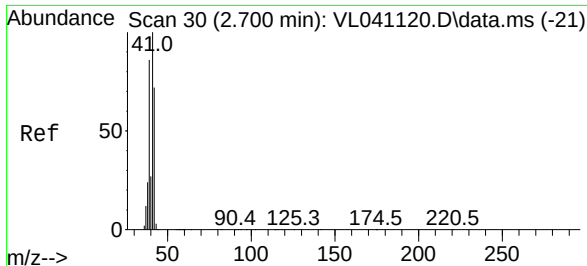
Tgt Ion: 64 Resp: 32684
Ion Ratio Lower Upper
64 100
66 36.0 24.2 36.4



#8
Dichlorotetrafluoroethane
Concen: 1.053 ppbv
RT: 2.864 min Scan# 81
Delta R.T. -0.000 min
Lab File: VL041122.D
Acq: 4 Apr 2024 10:45

Tgt Ion: 85 Resp: 223128
Ion Ratio Lower Upper
85 100
135 71.7 54.2 81.2





#9

Propene

Concen: 1.061 ppbv

RT: 2.697 min Scan# 20

Delta R.T. -0.003 min

Lab File: VL041122.D

Acq: 4 Apr 2024 10:45

Instrument :

MSVOA_L

ClientSampleId :

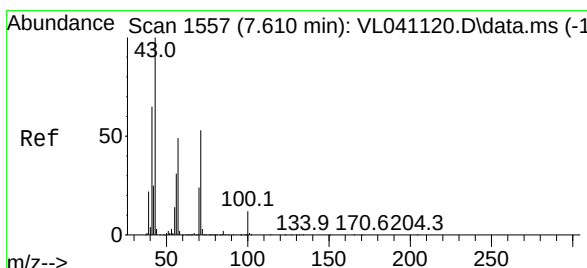
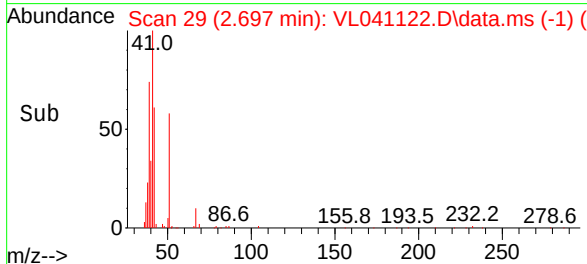
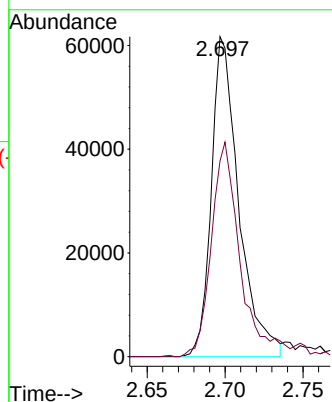
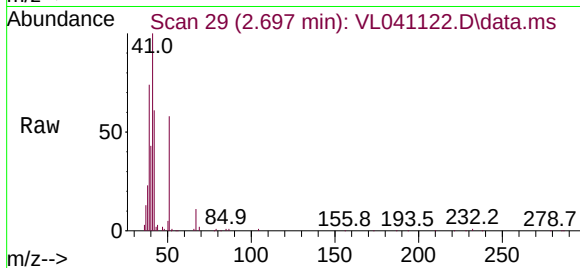
VSTDIC001

Tgt Ion: 41 Resp: 75495

Ion Ratio Lower Upper

41 100

42 74.0 60.1 90.1



#10

Heptane

Concen: 1.016 ppbv

RT: 7.610 min Scan# 1557

Delta R.T. -0.000 min

Lab File: VL041122.D

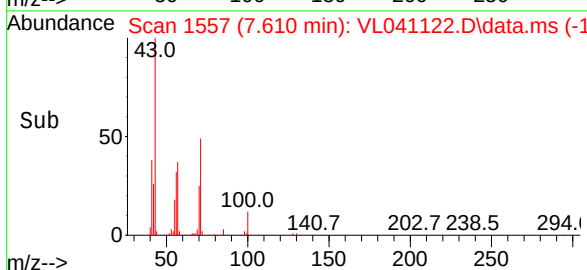
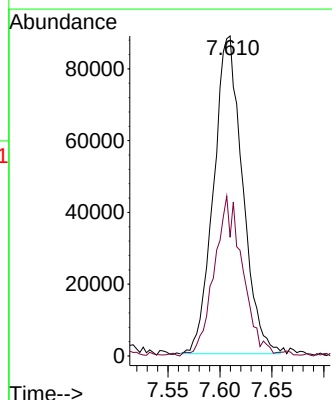
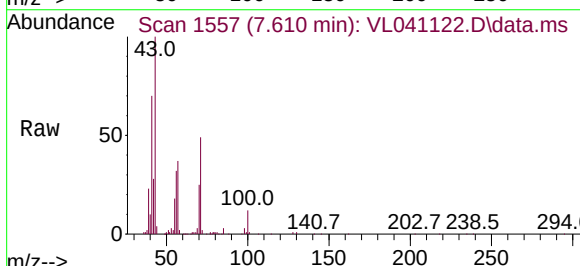
Acq: 4 Apr 2024 10:45

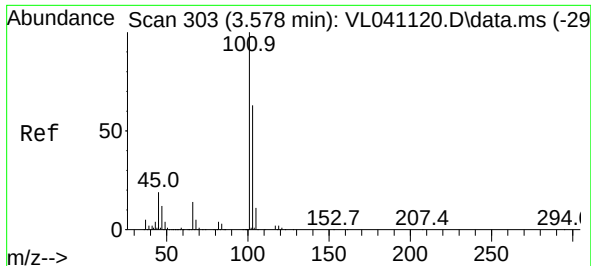
Tgt Ion: 43 Resp: 171597

Ion Ratio Lower Upper

43 100

57 48.5 39.9 59.9

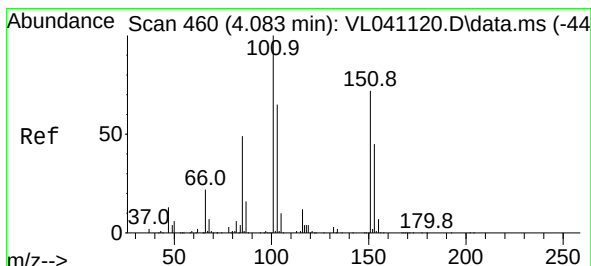
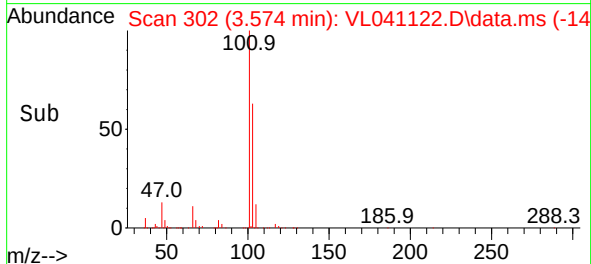
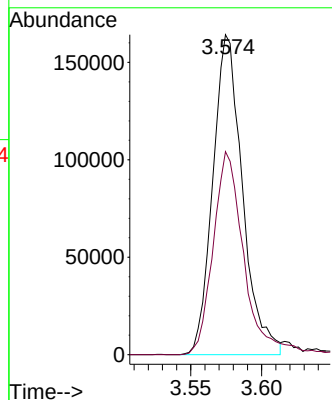
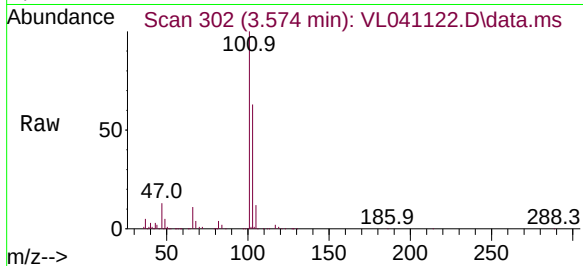




#11
 Trichlorofluoromethane
 Concen: 1.061 ppbv
 RT: 3.574 min Scan# 303
 Delta R.T. -0.003 min
 Lab File: VL041122.D
 Acq: 4 Apr 2024 10:45

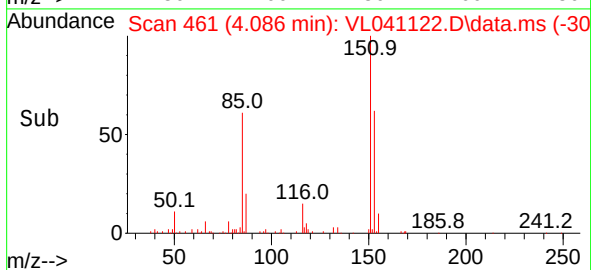
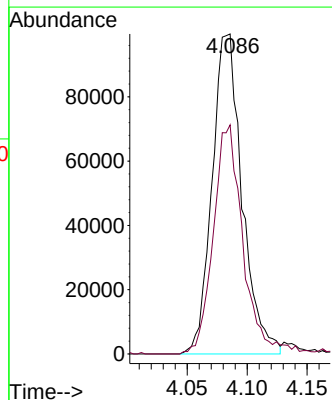
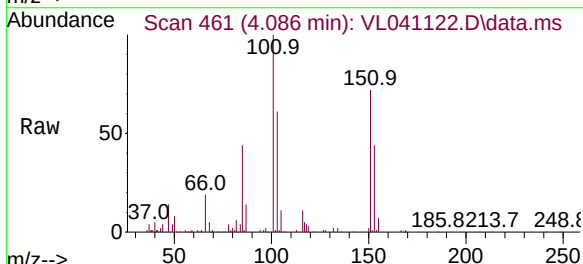
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

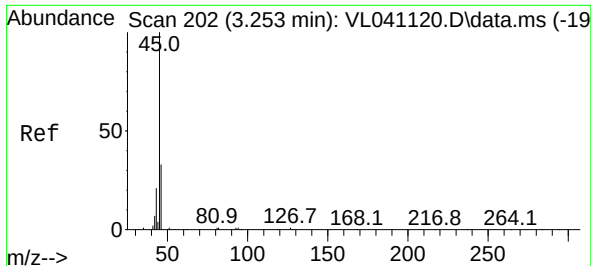
Tgt Ion:101 Resp: 238891
 Ion Ratio Lower Upper
 101 100
 103 63.4 50.6 75.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.061 ppbv
 RT: 4.086 min Scan# 461
 Delta R.T. 0.003 min
 Lab File: VL041122.D
 Acq: 4 Apr 2024 10:45

Tgt Ion:101 Resp: 173001
 Ion Ratio Lower Upper
 101 100
 151 71.9 56.2 84.4





#13

Ethanol

Concen: 1.291 ppbv

RT: 3.272 min Scan# 208

Delta R.T. 0.019 min

Lab File: VL041122.D

Acq: 4 Apr 2024 10:45

Instrument :

MSVOA_L

ClientSampleId :

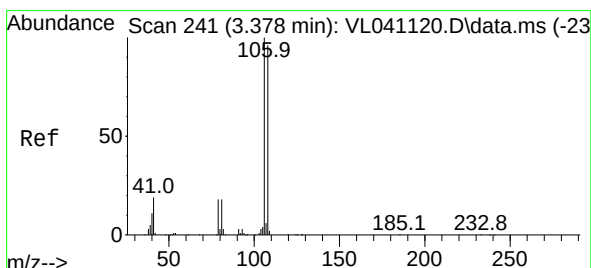
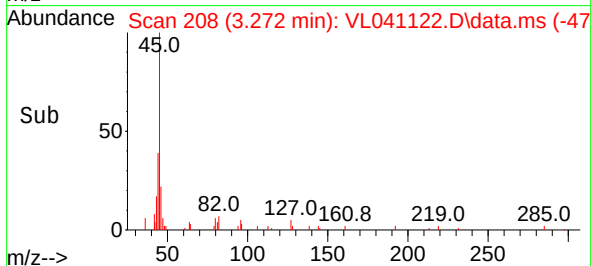
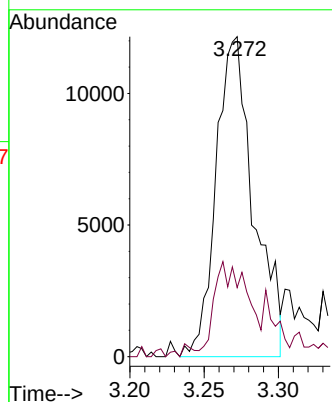
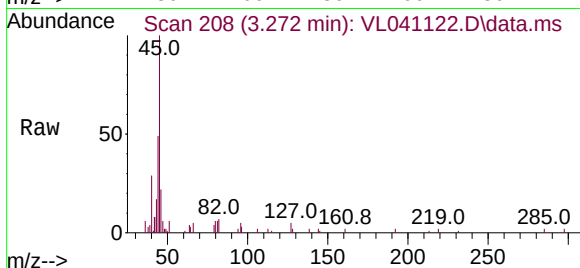
VSTDIC001

Tgt Ion: 45 Resp: 21394

Ion Ratio Lower Upper

45 100

46 38.1 15.0 59.8



#14

Bromoethene

Concen: 0.995 ppbv

RT: 3.378 min Scan# 241

Delta R.T. -0.000 min

Lab File: VL041122.D

Acq: 4 Apr 2024 10:45

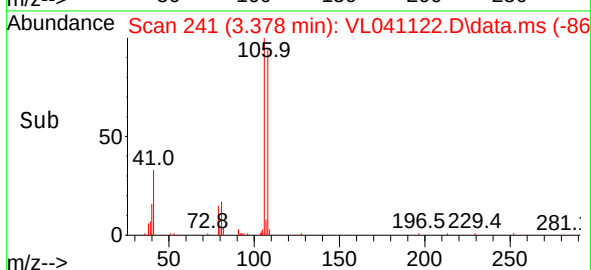
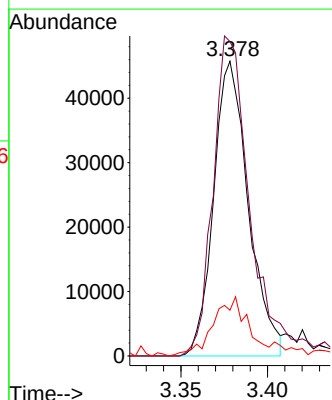
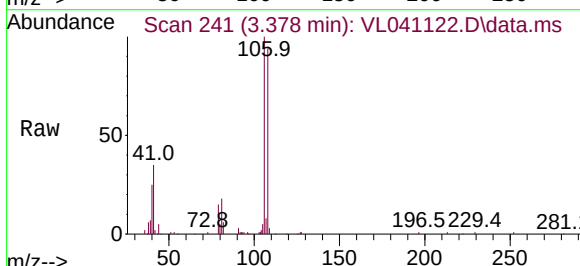
Tgt Ion:108 Resp: 63906

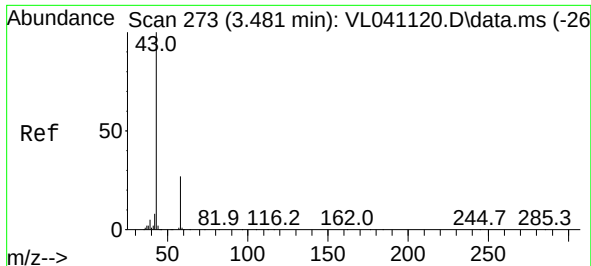
Ion Ratio Lower Upper

108 100

106 120.8 86.0 129.0

79 20.6 15.4 23.2





#15

Acetone

Concen: 1.096 ppbv

RT: 3.491 min Scan# 21

Delta R.T. 0.010 min

Lab File: VL041122.D

Acq: 4 Apr 2024 10:45

Instrument :

MSVOA_L

ClientSampleId :

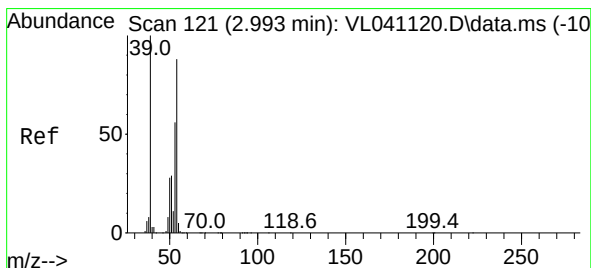
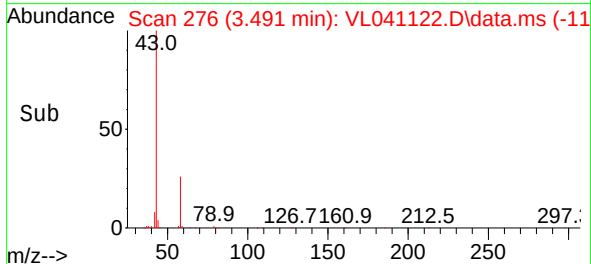
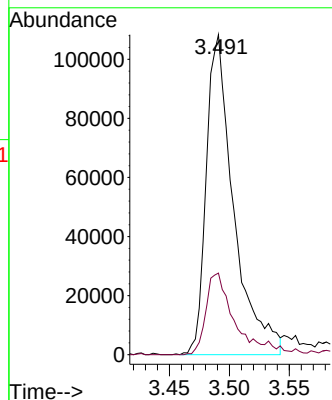
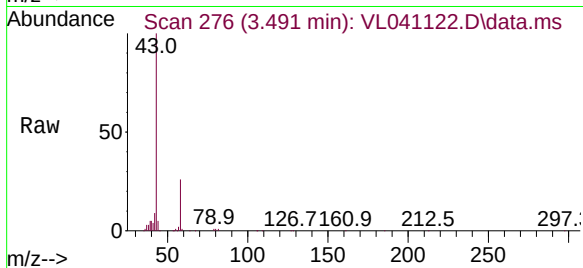
VSTDIC001

Tgt Ion: 43 Resp: 172327

Ion Ratio Lower Upper

43 100

58 27.9 21.1 31.7



#16

1,3-Butadiene

Concen: 1.028 ppbv

RT: 2.993 min Scan# 121

Delta R.T. -0.000 min

Lab File: VL041122.D

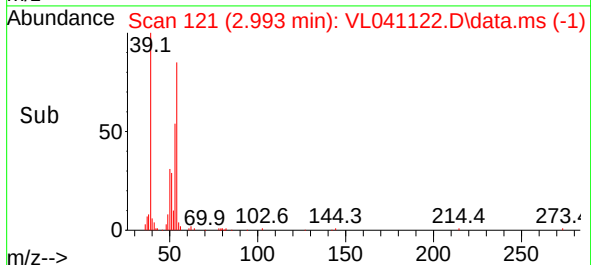
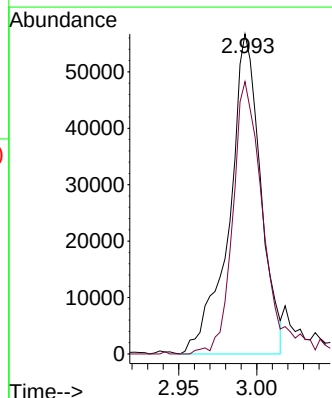
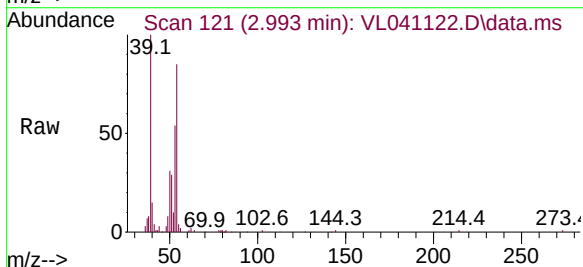
Acq: 4 Apr 2024 10:45

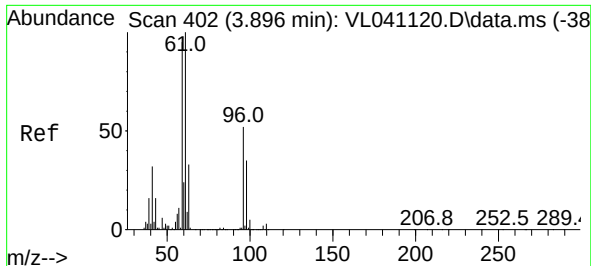
Tgt Ion: 39 Resp: 79376

Ion Ratio Lower Upper

39 100

54 86.2 63.5 95.3





#17

tert-Butyl alcohol

Concen: 1.139 ppbv

RT: 3.906 min Scan# 405

Delta R.T. 0.010 min

Lab File: VL041122.D

Acq: 4 Apr 2024 10:45

Instrument :

MSVOA_L

ClientSampleId :

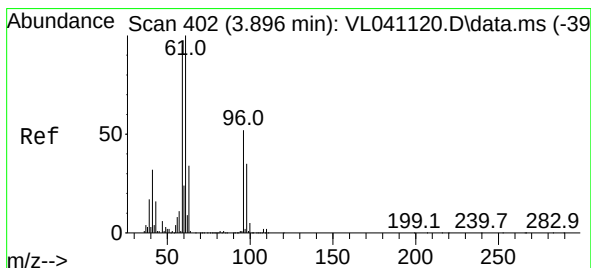
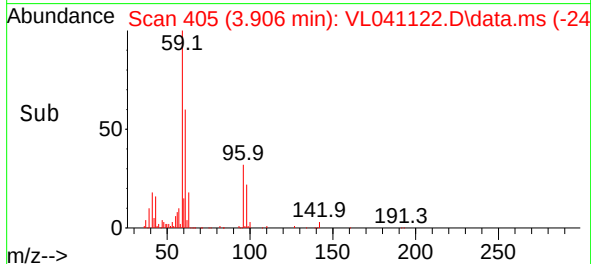
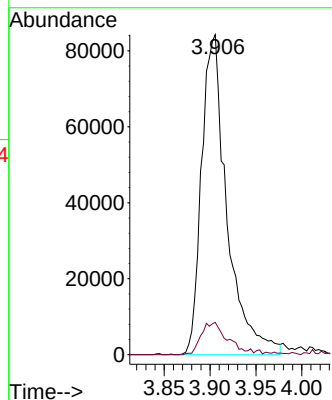
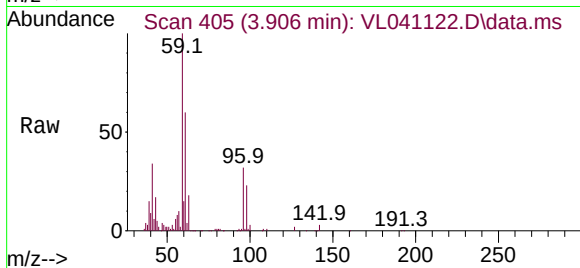
VSTDIC001

Tgt Ion: 59 Resp: 162555

Ion Ratio Lower Upper

59 100

57 11.2 8.7 13.1



#18

1,1-Dichloroethene

Concen: 1.050 ppbv

RT: 3.896 min Scan# 402

Delta R.T. -0.000 min

Lab File: VL041122.D

Acq: 4 Apr 2024 10:45

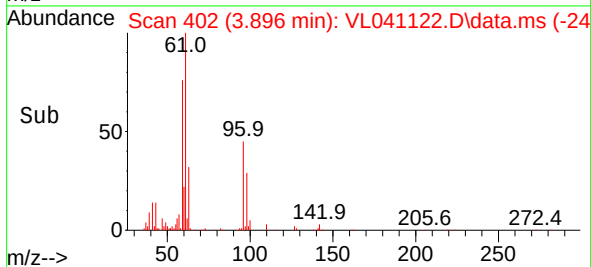
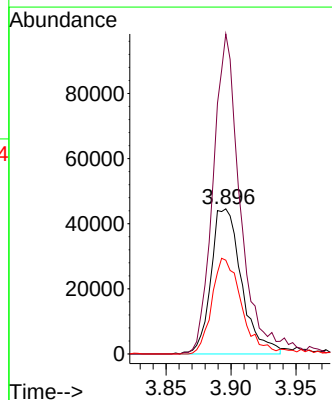
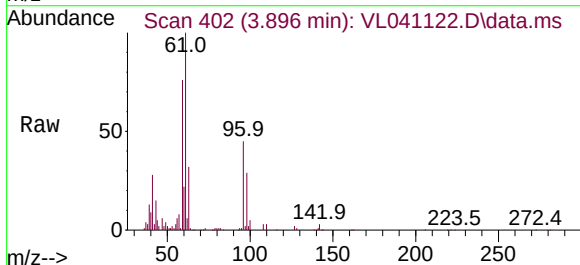
Tgt Ion: 96 Resp: 73067

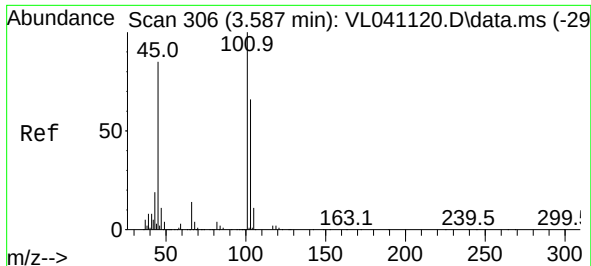
Ion Ratio Lower Upper

96 100

61 220.4 152.6 228.8

98 64.6 54.0 81.0





#19

Isopropyl Alcohol

Concen: 1.168 ppbv

RT: 3.603 min Scan# 311

Delta R.T. 0.016 min

Lab File: VL041122.D

Acq: 4 Apr 2024 10:45

Instrument :

MSVOA_L

ClientSampleId :

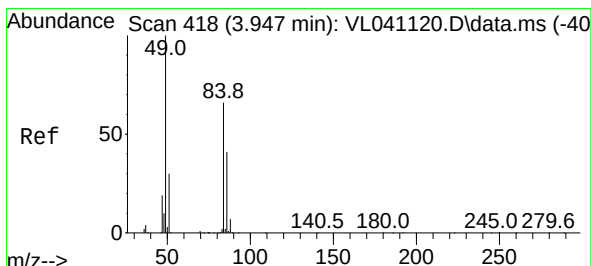
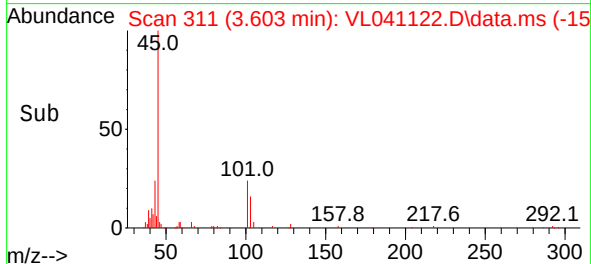
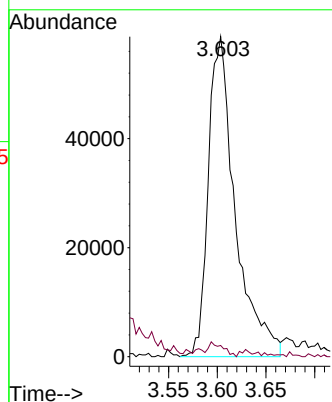
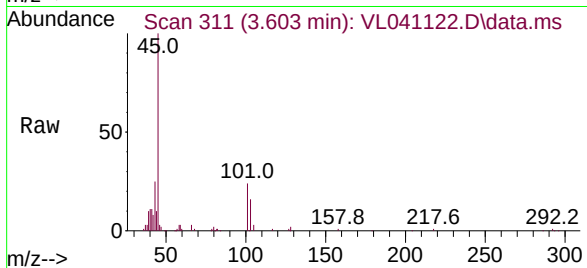
VSTDIC001

Tgt Ion: 45 Resp: 112810

Ion Ratio Lower Upper

45 100

58 4.0 2.8 4.2



#20

Methylene Chloride

Concen: 1.092 ppbv

RT: 3.947 min Scan# 418

Delta R.T. -0.000 min

Lab File: VL041122.D

Acq: 4 Apr 2024 10:45

Tgt Ion: 84 Resp: 70799

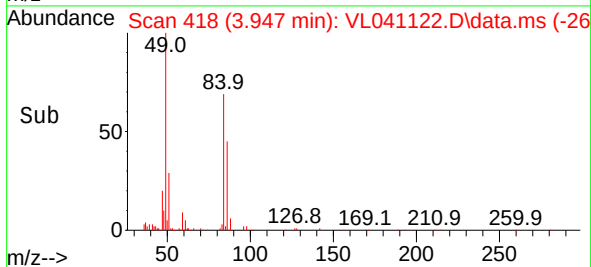
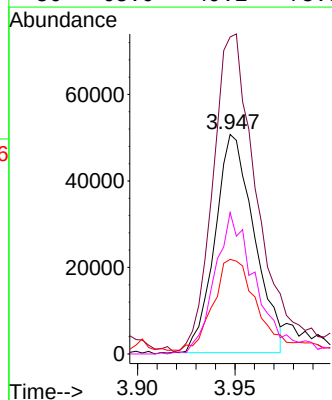
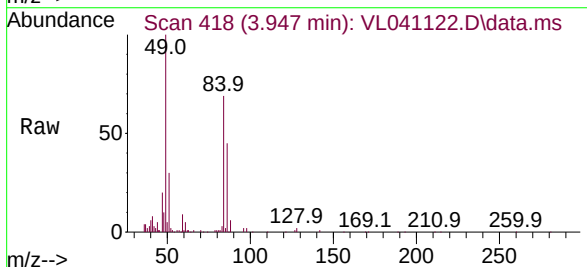
Ion Ratio Lower Upper

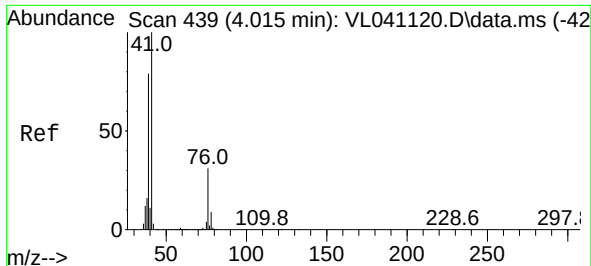
84 100

49 143.5 120.7 181.1

51 41.6 36.6 54.8

86 63.9 49.2 73.8





#21

Allyl Chloride

Concen: 1.008 ppbv

RT: 4.012 min Scan# 41

Delta R.T. -0.003 min

Lab File: VL041122.D

Acq: 4 Apr 2024 10:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001

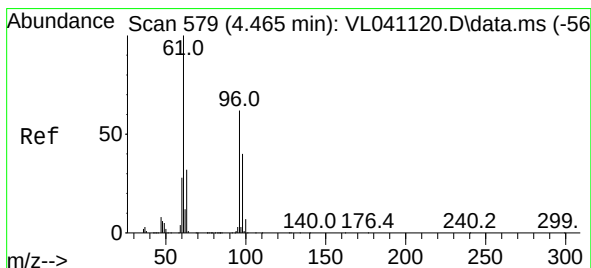
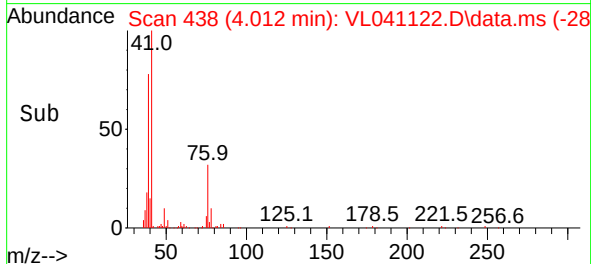
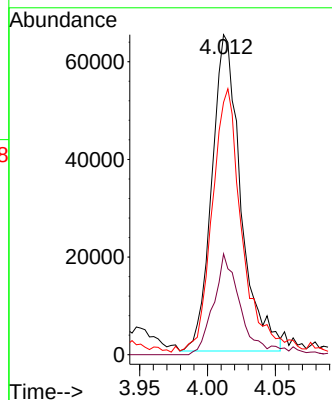
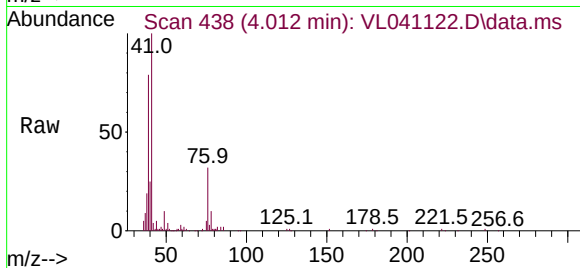
Tgt Ion: 41 Resp: 96530

Ion Ratio Lower Upper

41 100

76 31.0 25.7 38.5

39 87.6 65.7 98.5



#22

trans-1,2-Dichloroethene

Concen: 1.008 ppbv

RT: 4.468 min Scan# 580

Delta R.T. 0.003 min

Lab File: VL041122.D

Acq: 4 Apr 2024 10:45

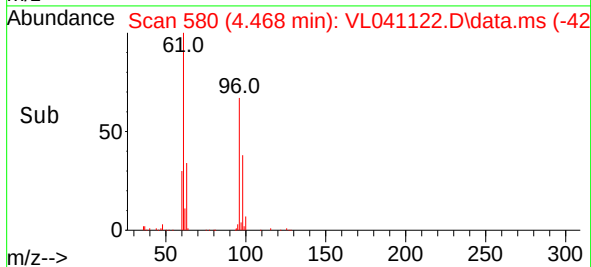
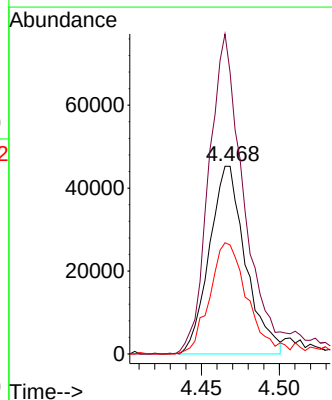
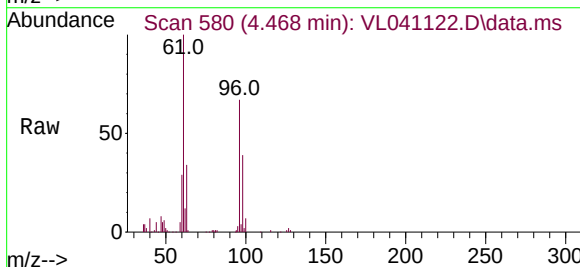
Tgt Ion: 96 Resp: 73157

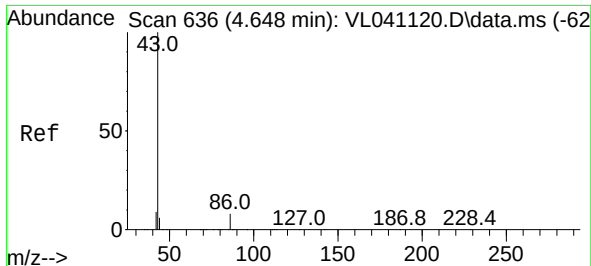
Ion Ratio Lower Upper

96 100

61 148.1 128.4 192.6

98 57.4 51.5 77.3

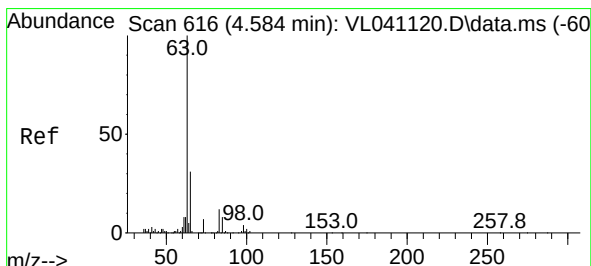
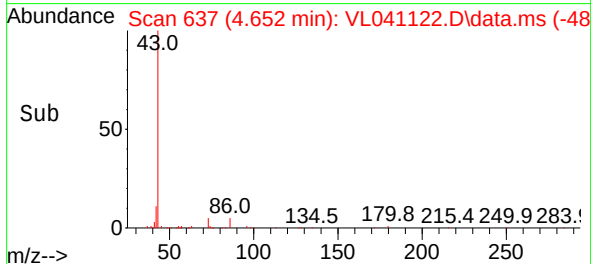
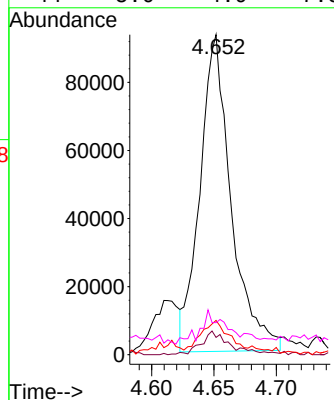
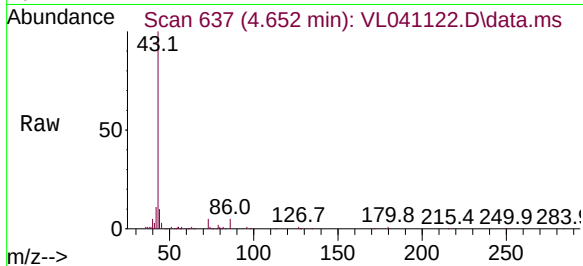




#23
Vinyl Acetate
Concen: 0.994 ppbv
RT: 4.652 min Scan# 61
Delta R.T. 0.003 min
Lab File: VL041122.D
Acq: 4 Apr 2024 10:45

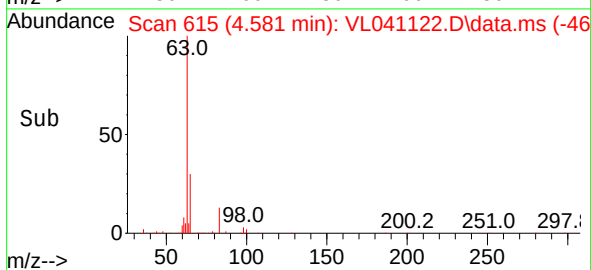
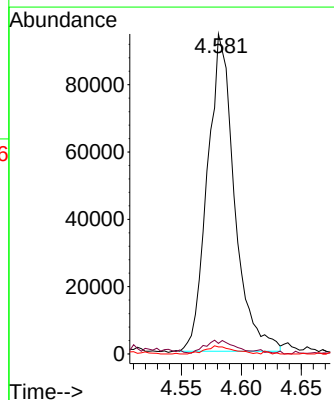
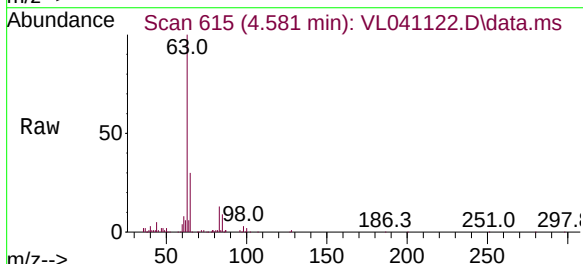
Instrument :
MSVOA_1
ClientSampleId :
VSTDICC001

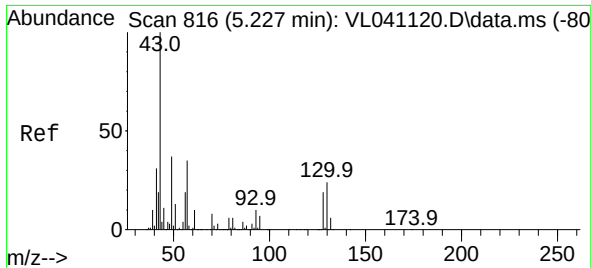
Tgt Ion: 43 Resp: 162125
Ion Ratio Lower Upper
43 100
86 5.3 6.2 9.4#
42 10.7 7.7 11.5
44 5.0 4.9 7.3



#24
1,1-Dichloroethane
Concen: 1.011 ppbv
RT: 4.581 min Scan# 615
Delta R.T. -0.003 min
Lab File: VL041122.D
Acq: 4 Apr 2024 10:45

Tgt Ion: 63 Resp: 147739
Ion Ratio Lower Upper
63 100
98 2.4 2.1 6.3
100 2.2 1.1 3.3



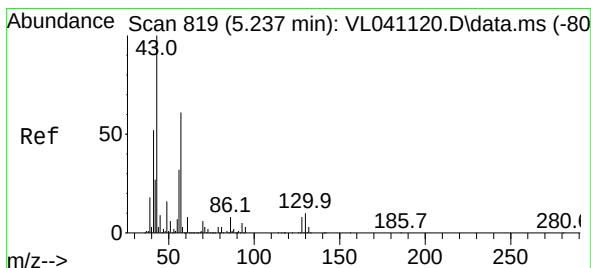
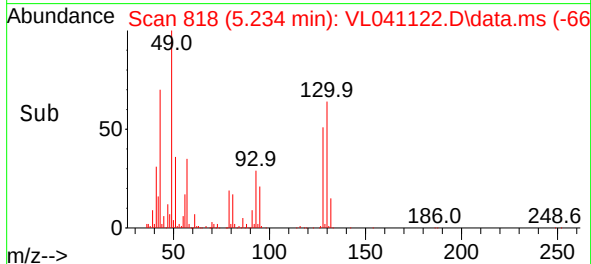
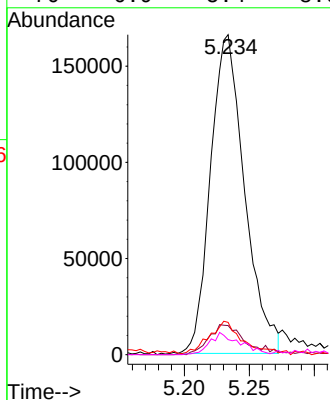
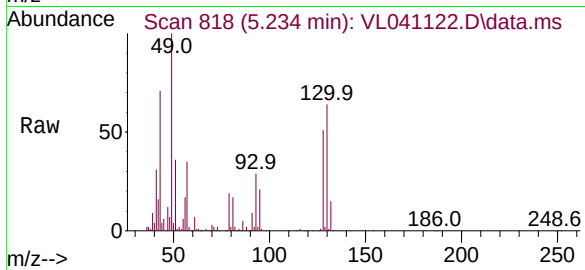


#25
Ethyl Acetate
Concen: 1.023 ppbv
RT: 5.234 min Scan# 816
Delta R.T. 0.006 min
Lab File: VL041122.D
Acq: 4 Apr 2024 10:45

Instrument :
MSVOA_1
ClientSampleId :
VSTDIC001

Tgt Ion: 43 Resp: 302171

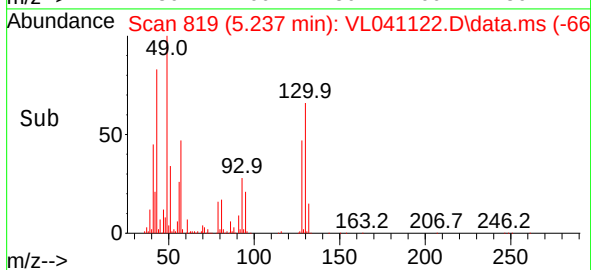
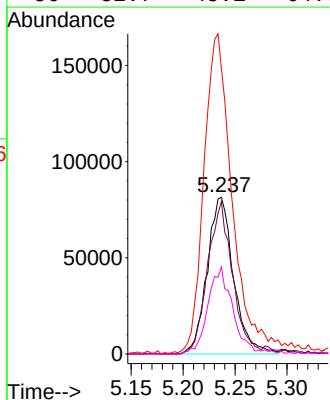
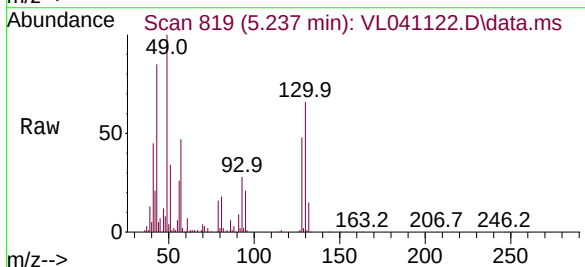
Ion	Ratio	Lower	Upper
43	100		
45	11.1	8.0	12.0
61	10.5	7.8	11.6
70	6.9	5.4	8.0

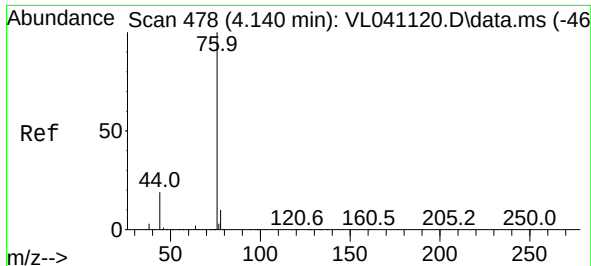


#26
Hexane
Concen: 1.087 ppbv
RT: 5.237 min Scan# 819
Delta R.T. -0.000 min
Lab File: VL041122.D
Acq: 4 Apr 2024 10:45

Tgt Ion: 57 Resp: 143979

Ion	Ratio	Lower	Upper
57	100		
41	95.7	73.8	110.8
43	225.8	186.2	279.2
56	52.7	43.1	64.7





#27

Carbon Disulfide

Concen: 0.982 ppbv

RT: 4.144 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL041122.D

Acq: 4 Apr 2024 10:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

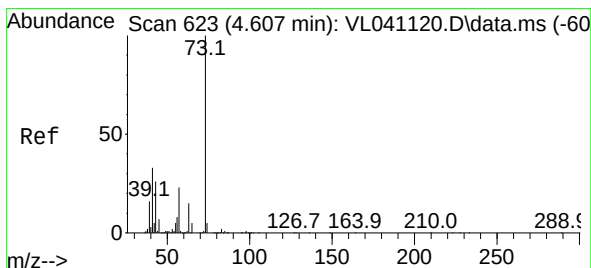
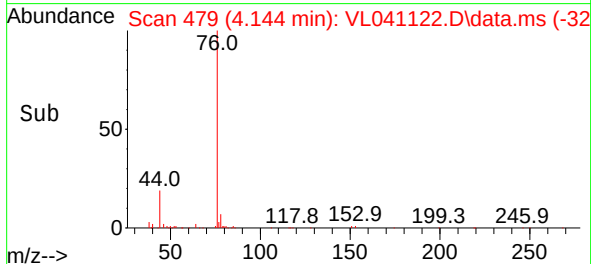
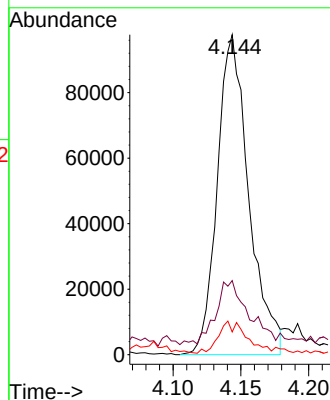
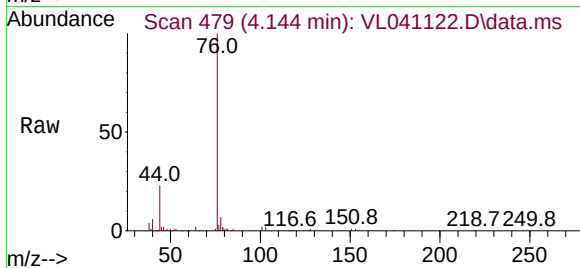
Tgt Ion: 76 Resp: 157992

Ion Ratio Lower Upper

76 100

44 21.0 16.3 24.5

78 11.7 7.9 11.9



#28

Methyl tert-Butyl Ether

Concen: 1.014 ppbv

RT: 4.616 min Scan# 626

Delta R.T. 0.010 min

Lab File: VL041122.D

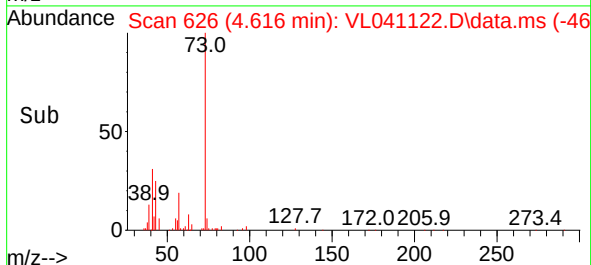
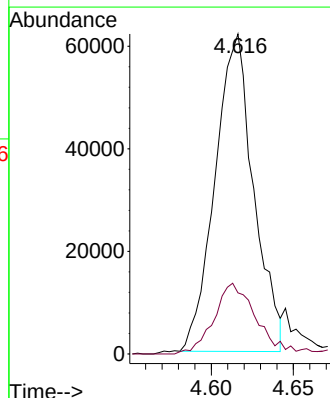
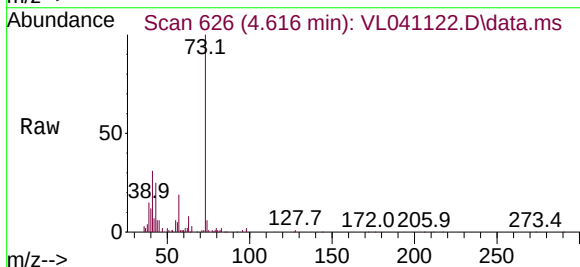
Acq: 4 Apr 2024 10:45

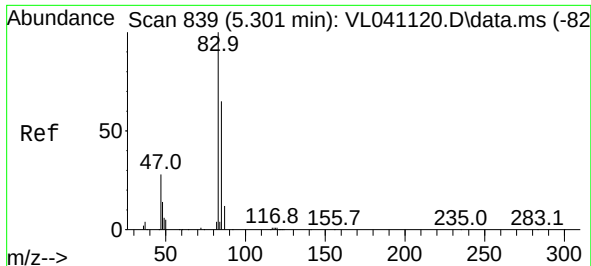
Tgt Ion: 73 Resp: 101404

Ion Ratio Lower Upper

73 100

57 24.7 18.6 27.8





#29

Chloroform

Concen: 1.068 ppbv

RT: 5.295 min Scan# 84

Delta R.T. -0.006 min

Lab File: VL041122.D

Acq: 4 Apr 2024 10:45

Instrument :

MSVOA_L

ClientSampleId :

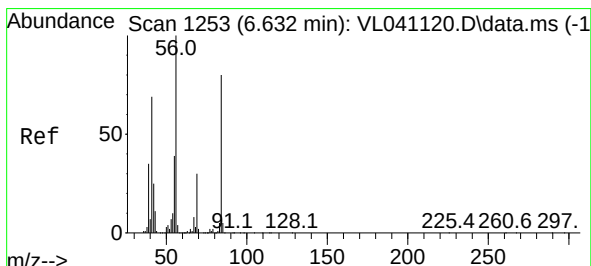
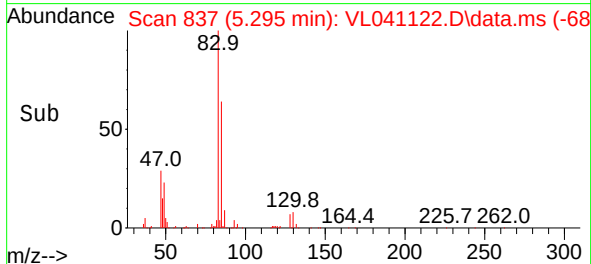
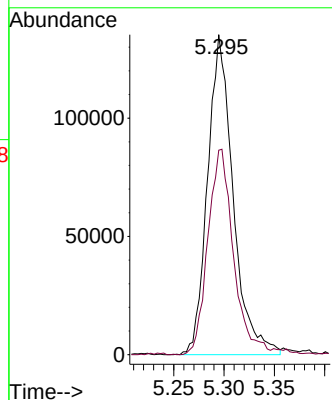
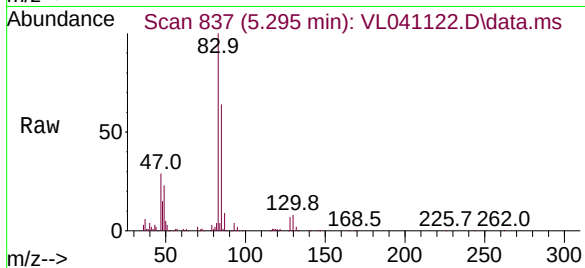
VSTDIC001

Tgt Ion: 83 Resp: 238488

Ion Ratio Lower Upper

83 100

85 63.9 51.5 77.3



#30

Cyclohexane

Concen: 0.960 ppbv

RT: 6.629 min Scan# 1252

Delta R.T. -0.003 min

Lab File: VL041122.D

Acq: 4 Apr 2024 10:45

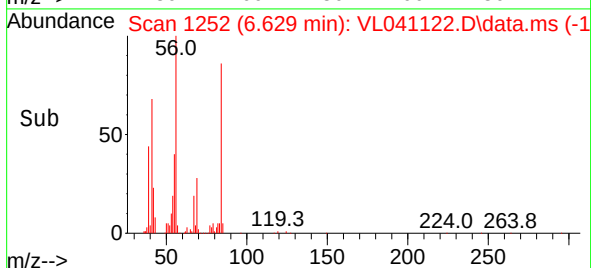
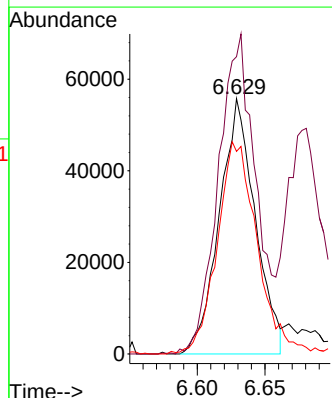
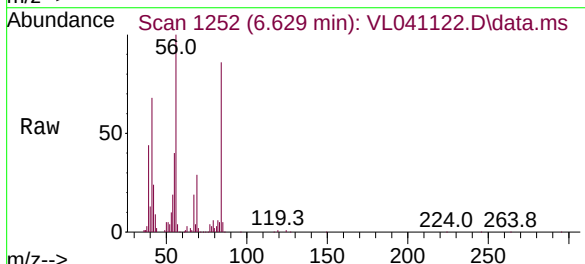
Tgt Ion: 84 Resp: 102346

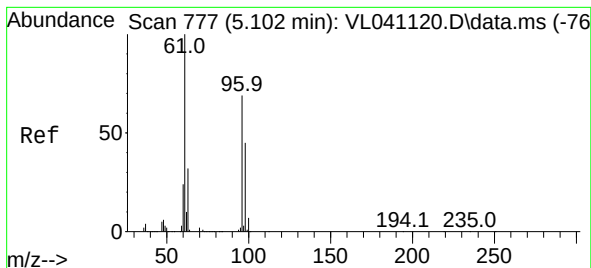
Ion Ratio Lower Upper

84 100

56 132.3 111.9 167.9

41 93.9 71.0 106.6





#31

cis-1,2-Dichloroethene

Concen: 1.010 ppbv

RT: 5.102 min Scan# 777

Delta R.T. -0.000 min

Lab File: VL041122.D

Acq: 4 Apr 2024 10:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001

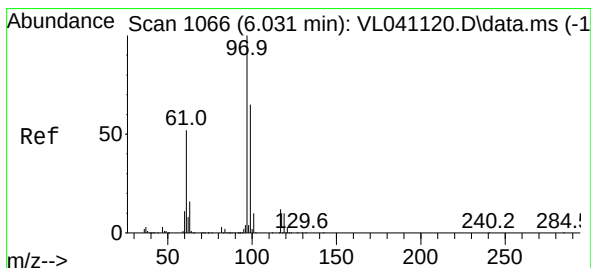
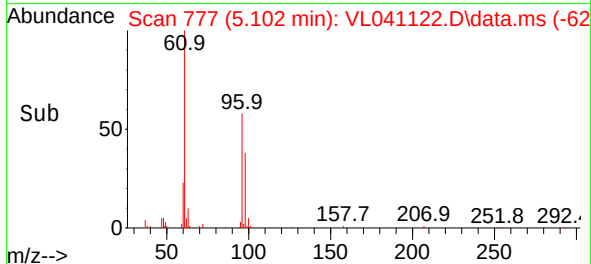
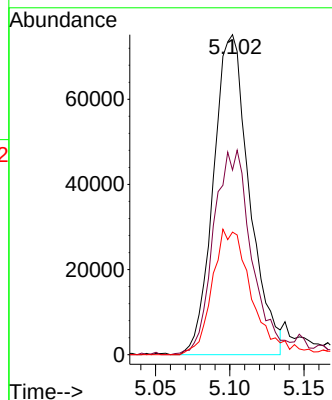
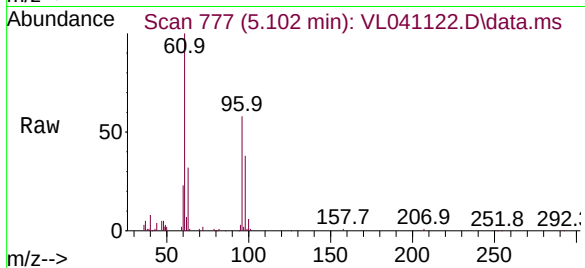
Tgt Ion: 61 Resp: 126633

Ion Ratio Lower Upper

61 100

96 57.2 54.9 82.3

98 38.3 35.9 53.9



#32

1,1,1-Trichloroethane

Concen: 1.074 ppbv

RT: 6.028 min Scan# 1065

Delta R.T. -0.003 min

Lab File: VL041122.D

Acq: 4 Apr 2024 10:45

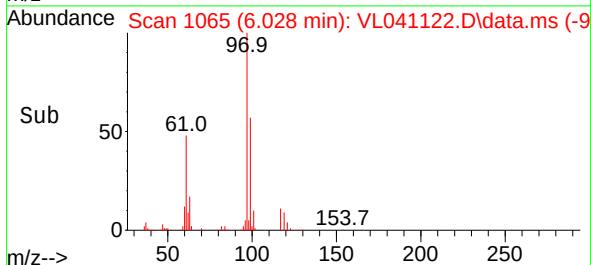
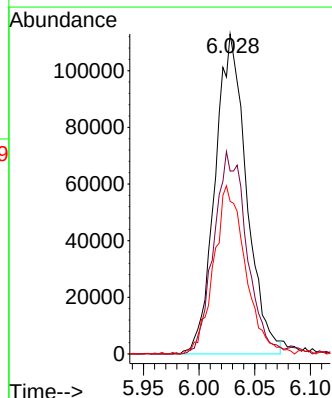
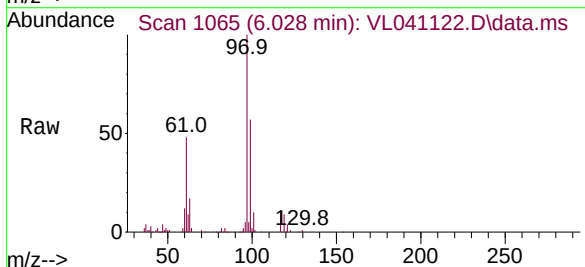
Tgt Ion: 97 Resp: 221675

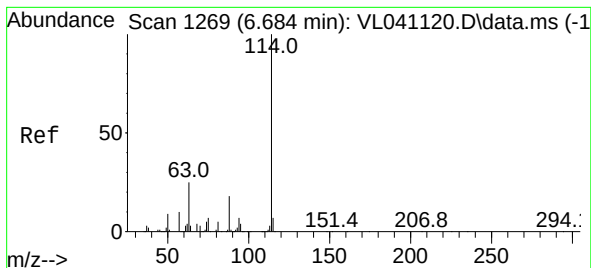
Ion Ratio Lower Upper

97 100

99 67.4 52.0 78.0

61 53.5 40.5 60.7





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.680 min Scan# 1269

Delta R.T. -0.003 min

Lab File: VL041122.D

Acq: 4 Apr 2024 10:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

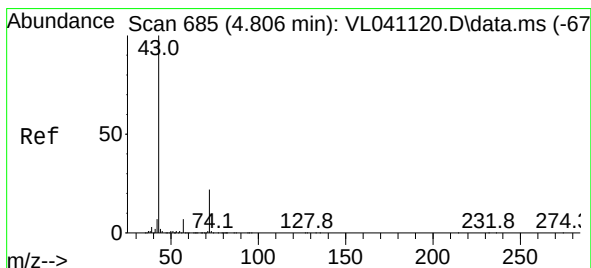
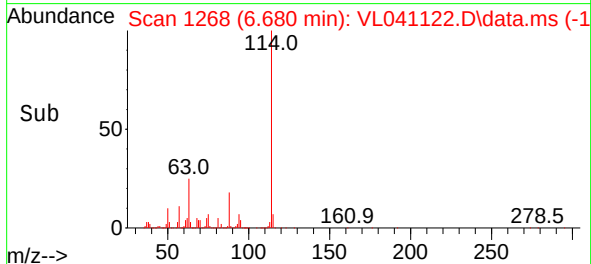
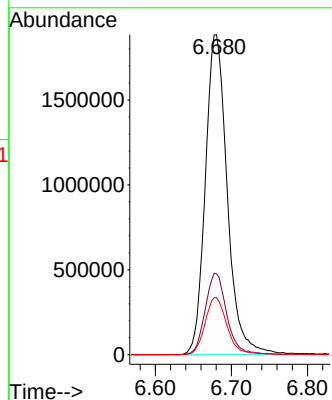
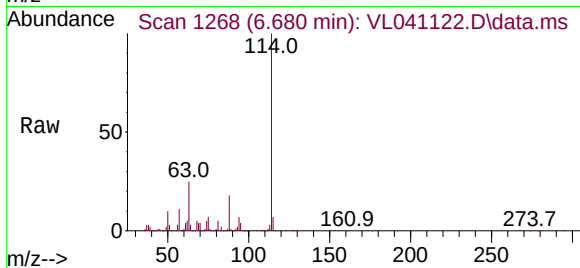
Tgt Ion:114 Resp: 3779418

Ion Ratio Lower Upper

114 100

63 25.4 20.9 31.3

88 18.0 14.5 21.7



#34

2-Butanone

Concen: 1.012 ppbv

RT: 4.812 min Scan# 687

Delta R.T. 0.006 min

Lab File: VL041122.D

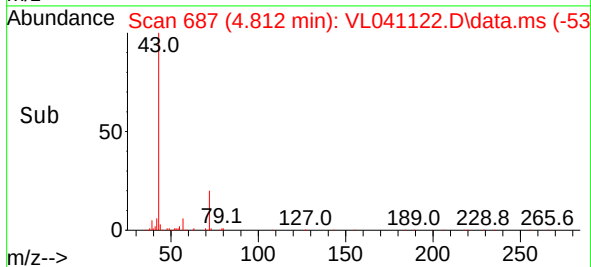
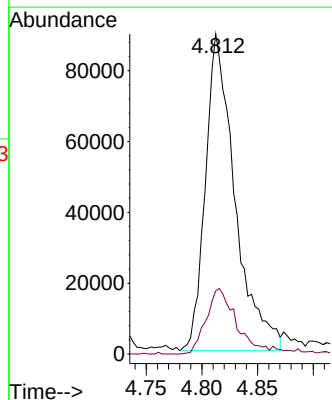
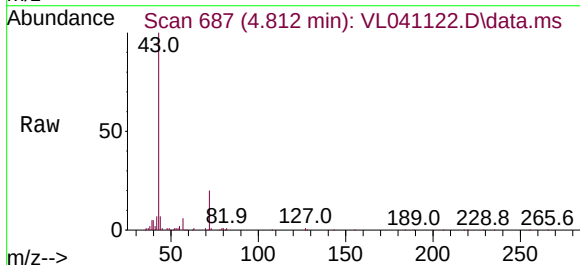
Acq: 4 Apr 2024 10:45

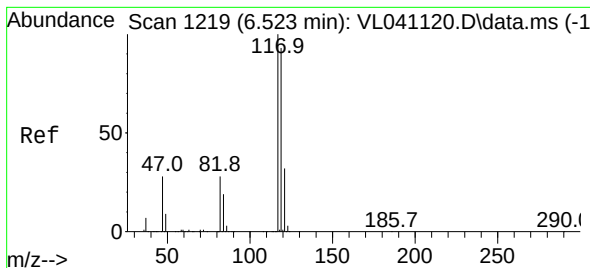
Tgt Ion: 43 Resp: 165277

Ion Ratio Lower Upper

43 100

72 22.6 17.6 26.4





#35

Carbon Tetrachloride

Concen: 1.072 ppbv

RT: 6.523 min Scan# 11

Delta R.T. -0.000 min

Lab File: VL041122.D

Acq: 4 Apr 2024 10:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

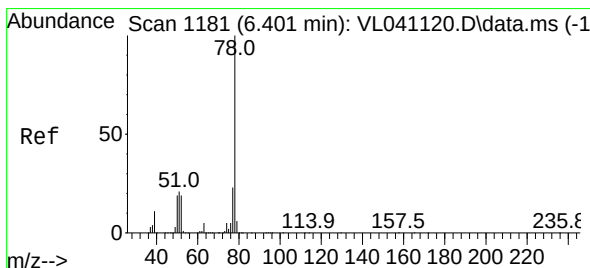
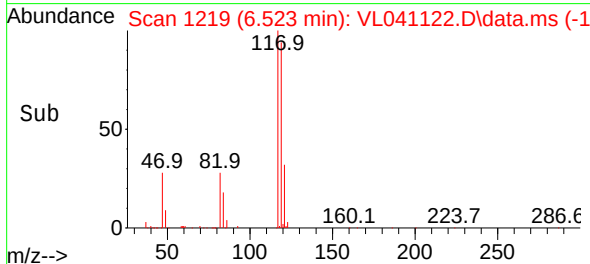
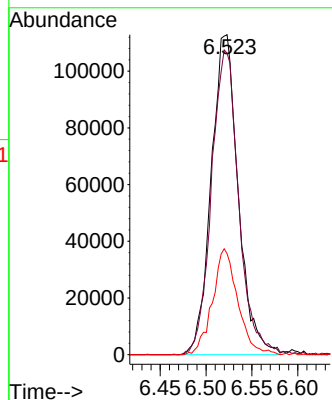
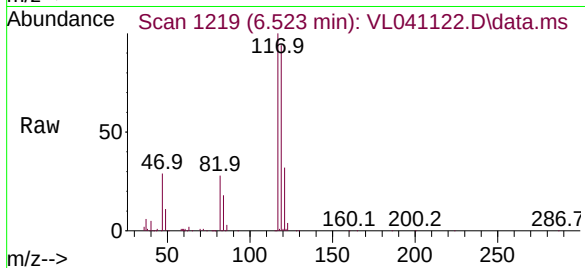
Tgt Ion:117 Resp: 231163

Ion Ratio Lower Upper

117 100

119 94.2 74.2 111.4

121 31.5 25.4 38.2



#36

Benzene

Concen: 1.026 ppbv

RT: 6.398 min Scan# 1180

Delta R.T. -0.003 min

Lab File: VL041122.D

Acq: 4 Apr 2024 10:45

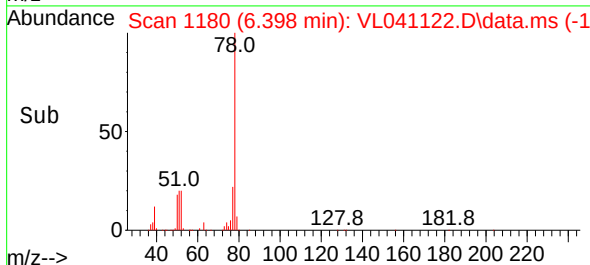
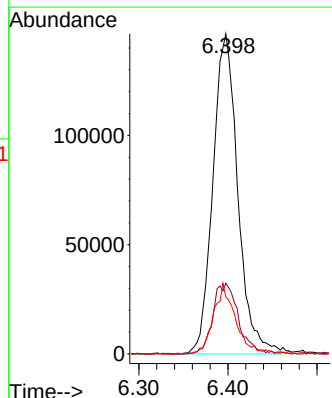
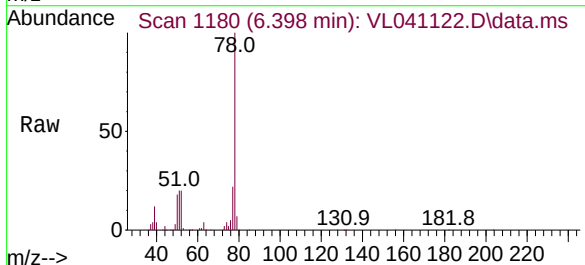
Tgt Ion: 78 Resp: 284445

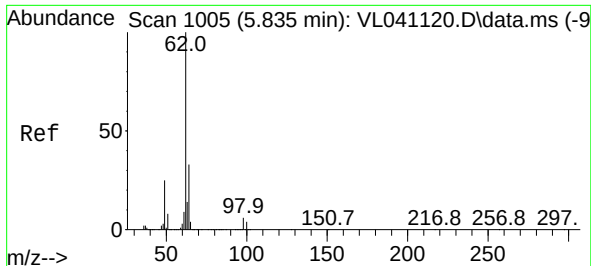
Ion Ratio Lower Upper

78 100

77 22.0 18.2 27.4

50 17.7 15.4 23.2





#37

1,2-Dichloroethane

Concen: 1.008 ppbv

RT: 5.832 min Scan# 1

Delta R.T. -0.003 min

Lab File: VL041122.D

Acq: 4 Apr 2024 10:45

Instrument :

MSVOA_L

ClientSampleId :

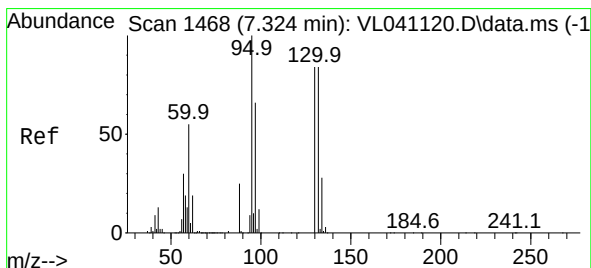
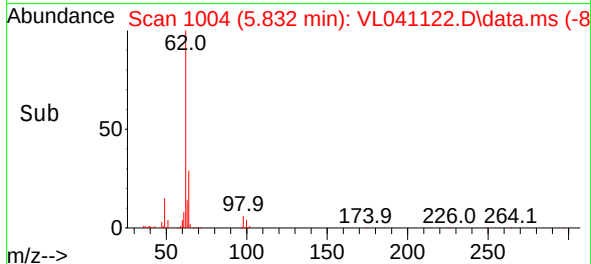
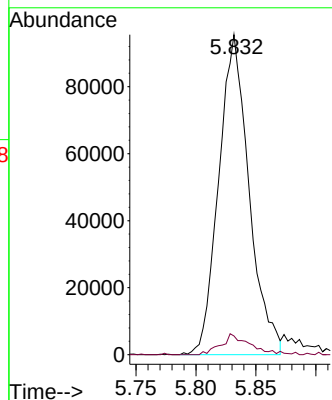
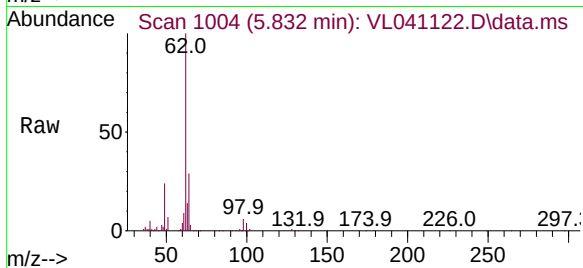
VSTDICC001

Tgt Ion: 62 Resp: 168020

Ion Ratio Lower Upper

62 100

98 6.4 4.6 7.0



#38

Trichloroethene

Concen: 0.563 ppbv

RT: 7.324 min Scan# 1468

Delta R.T. -0.000 min

Lab File: VL041122.D

Acq: 4 Apr 2024 10:45

Tgt Ion:130 Resp: 56688

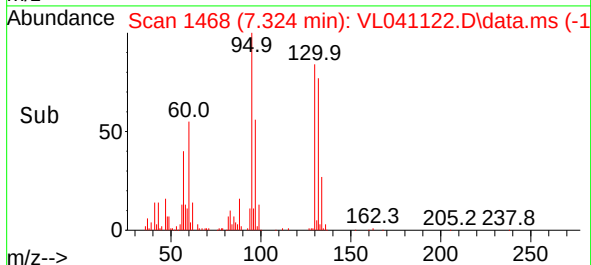
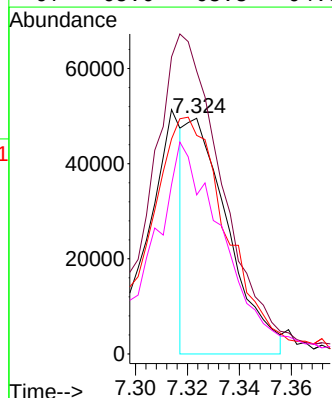
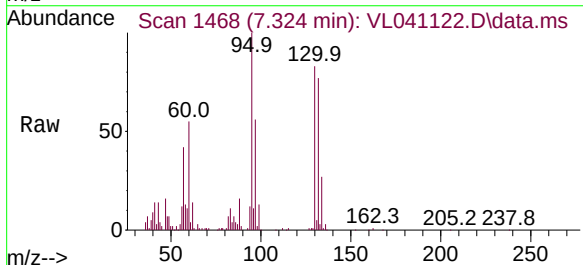
Ion Ratio Lower Upper

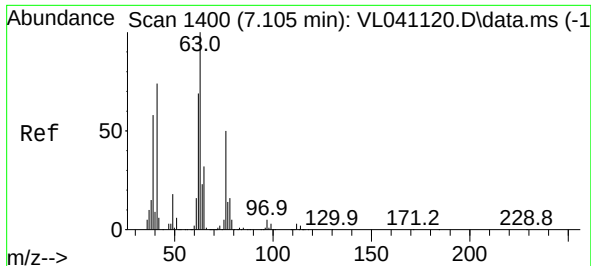
130 100

95 120.1 95.4 143.0

132 91.2 80.0 120.0

97 65.0 63.3 94.9





#39

1,2-Dichloropropane

Concen: 0.395 ppbv

RT: 7.105 min Scan# 1400

Delta R.T. -0.000 min

Lab File: VL041122.D

Acq: 4 Apr 2024 10:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

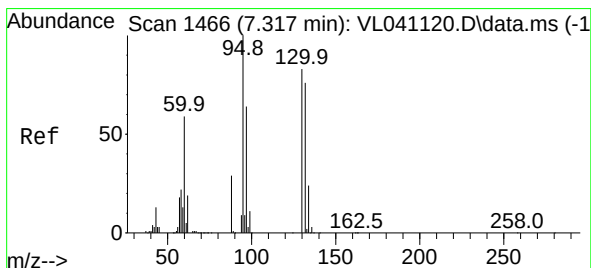
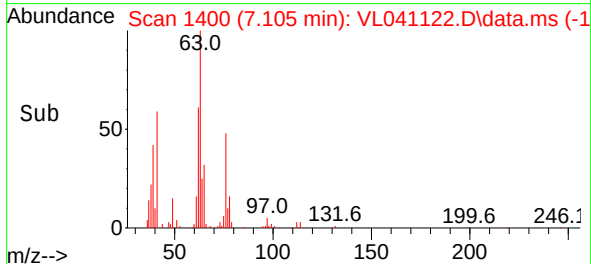
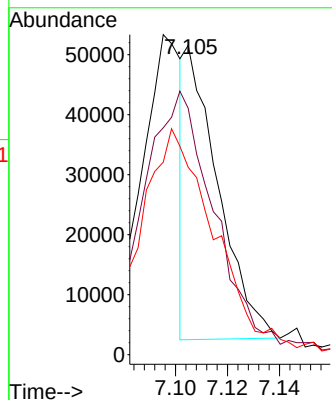
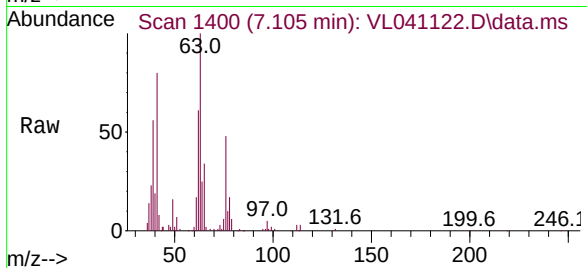
Tgt Ion: 63 Resp: 43446

Ion Ratio Lower Upper

63 100

41 82.6 58.7 88.1

62 60.2 55.5 83.3



#40

1,4-Dioxane

Concen: 1.058 ppbv

RT: 7.333 min Scan# 1471

Delta R.T. 0.016 min

Lab File: VL041122.D

Acq: 4 Apr 2024 10:45

Tgt Ion: 88 Resp: 39901

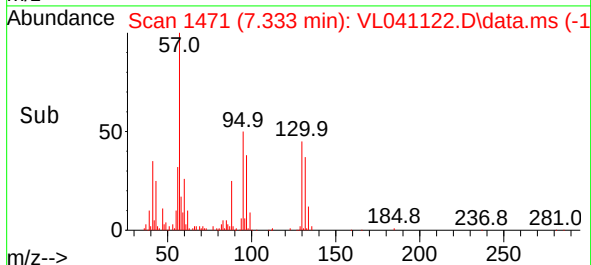
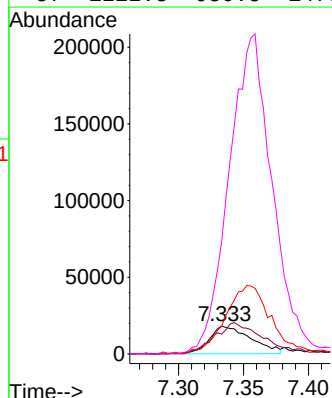
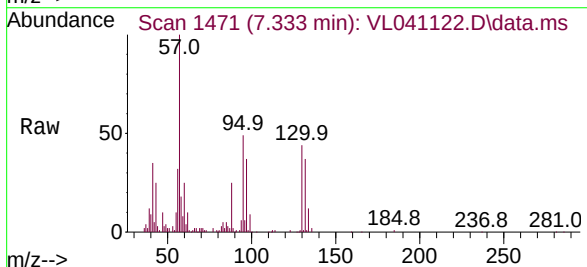
Ion Ratio Lower Upper

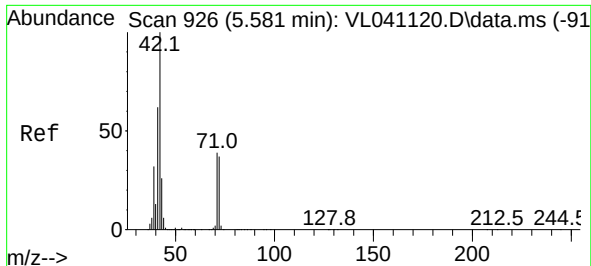
88 100

58 140.4 107.8 161.6

43 272.0 223.8 335.6

57 1222.8 980.5 1470.7





#41

Tetrahydrofuran

Concen: 0.943 ppbv

RT: 5.597 min Scan# 91

Delta R.T. 0.016 min

Lab File: VL041122.D

Acq: 4 Apr 2024 10:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

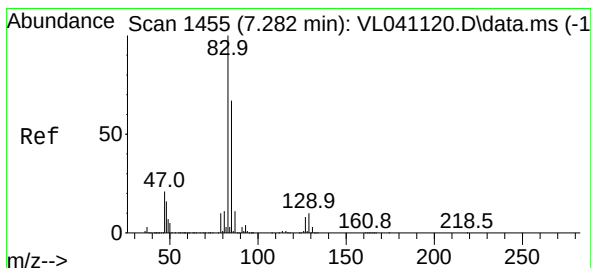
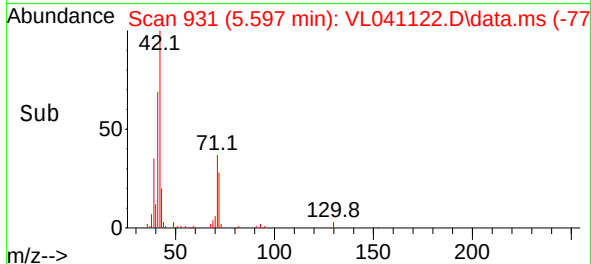
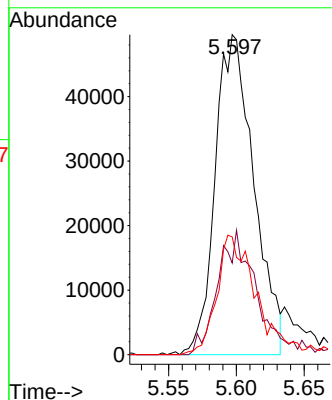
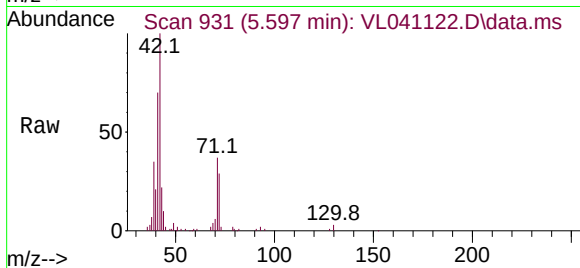
Tgt Ion: 42 Resp: 98416

Ion Ratio Lower Upper

42 100

72 40.4 31.2 46.8

71 38.1 29.9 44.9



#42

Bromodichloromethane

Concen: 0.994 ppbv

RT: 7.275 min Scan# 1453

Delta R.T. -0.006 min

Lab File: VL041122.D

Acq: 4 Apr 2024 10:45

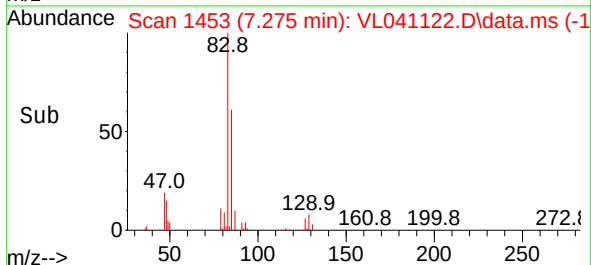
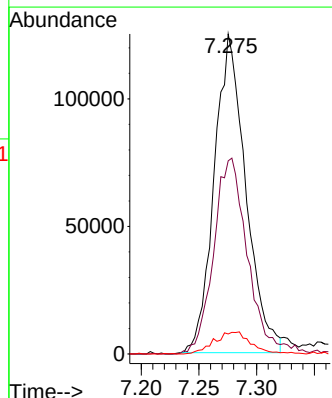
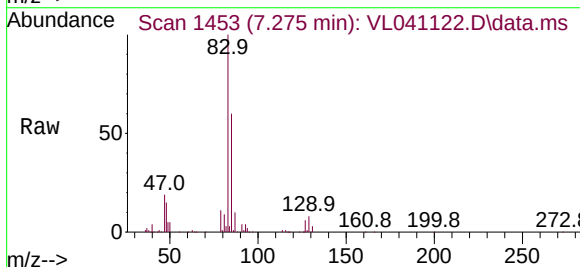
Tgt Ion: 83 Resp: 236675

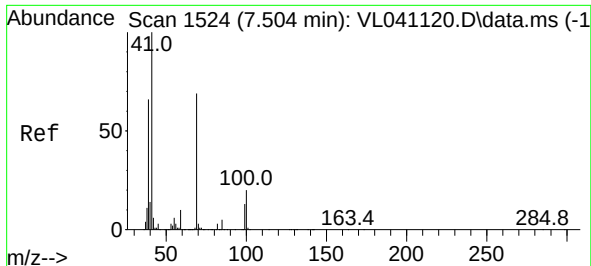
Ion Ratio Lower Upper

83 100

85 60.4 53.5 80.3

127 6.3 6.2 9.4

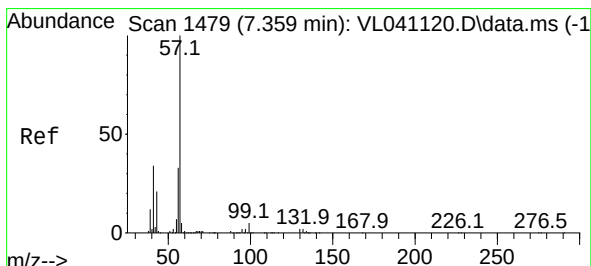
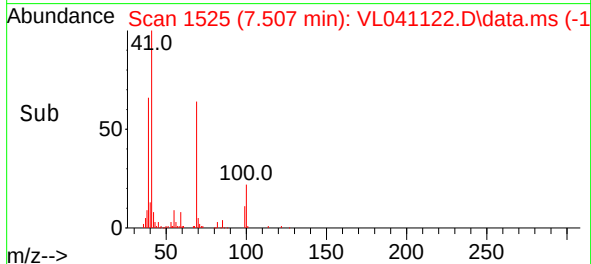
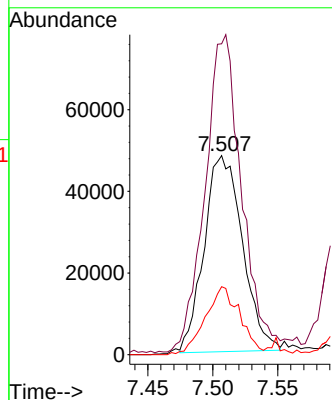
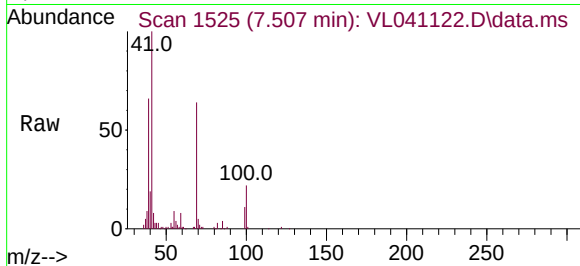




#43
Methyl Methacrylate
Concen: 1.026 ppbv
RT: 7.507 min Scan# 1524
Delta R.T. 0.003 min
Lab File: VL041122.D
Acq: 4 Apr 2024 10:45

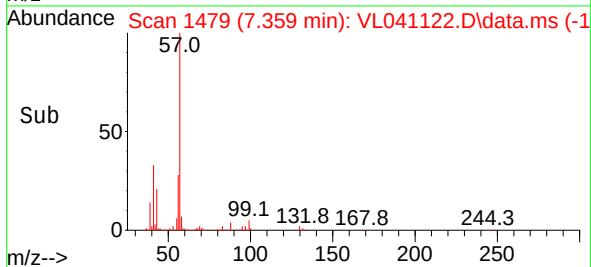
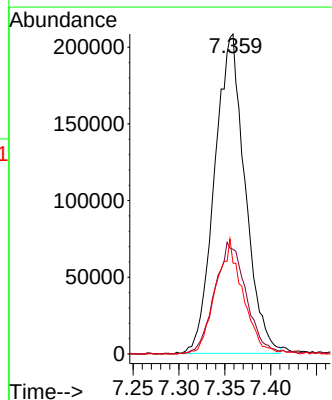
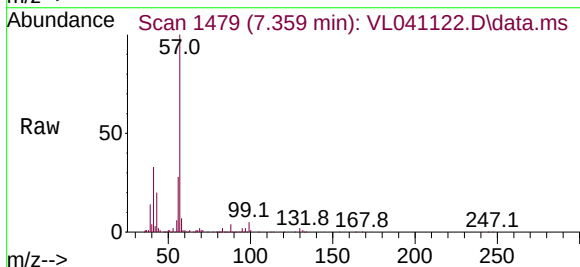
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

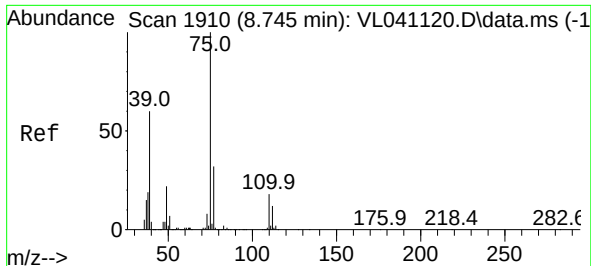
Tgt Ion: 69 Resp: 98797
Ion Ratio Lower Upper
69 100
41 159.8 119.2 178.8
100 33.8 24.6 37.0



#44
2,2,4-Trimethylpentane
Concen: 1.043 ppbv
RT: 7.359 min Scan# 1479
Delta R.T. -0.000 min
Lab File: VL041122.D
Acq: 4 Apr 2024 10:45

Tgt Ion: 57 Resp: 479124
Ion Ratio Lower Upper
57 100
41 36.6 28.2 42.2
56 32.8 25.2 37.8





#45

t-1,3-Dichloropropene

Concen: 0.565 ppbv

RT: 8.745 min Scan# 1910

Delta R.T. -0.000 min

Lab File: VL041122.D

Acq: 4 Apr 2024 10:45

Instrument :

MSVOA_L

ClientSampleId :

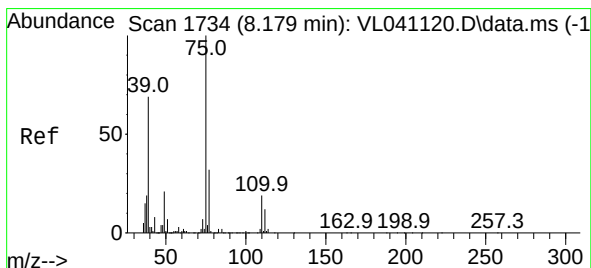
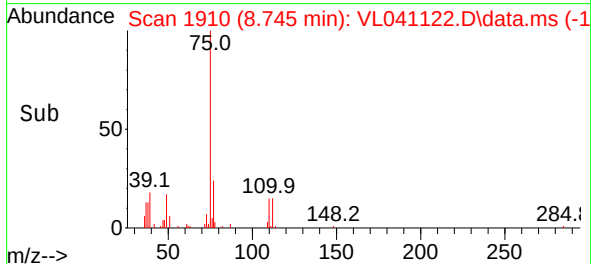
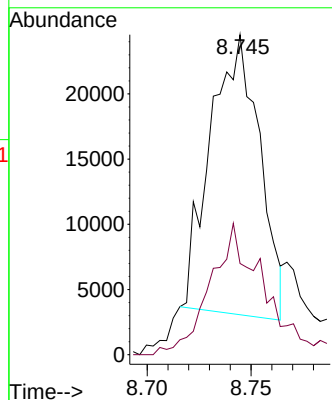
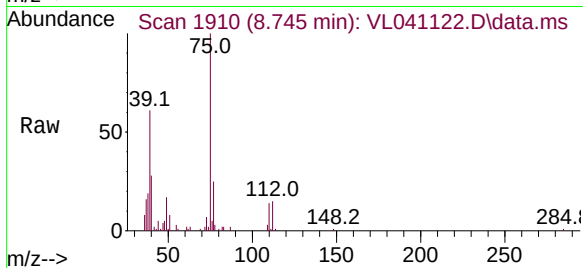
VSTDICC001

Tgt Ion: 75 Resp: 35057

Ion Ratio Lower Upper

75 100

77 28.5 25.4 38.2



#46

cis-1,3-Dichloropropene

Concen: 0.870 ppbv

RT: 8.169 min Scan# 1731

Delta R.T. -0.010 min

Lab File: VL041122.D

Acq: 4 Apr 2024 10:45

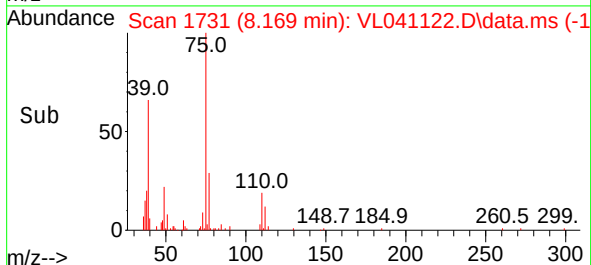
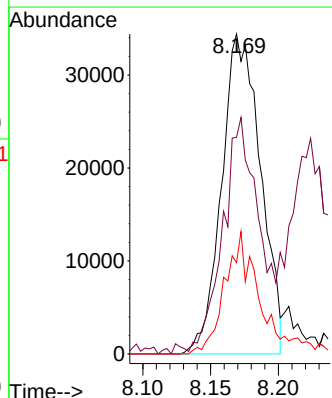
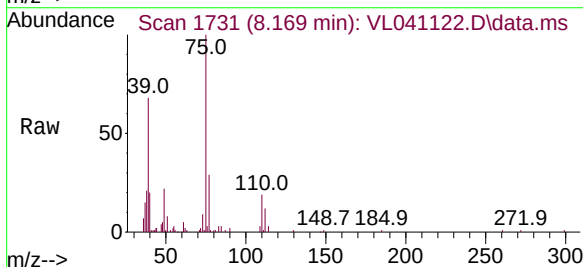
Tgt Ion: 75 Resp: 68721

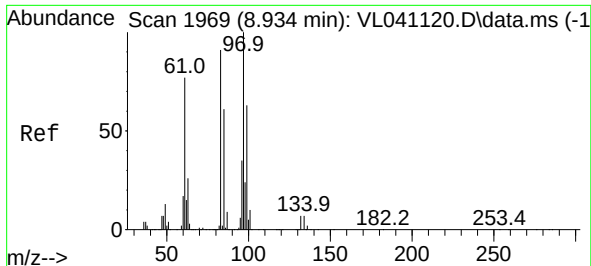
Ion Ratio Lower Upper

75 100

39 65.5 55.1 82.7

77 28.5 25.2 37.8





#47

1,1,2-Trichloroethane

Concen: 0.994 ppbv

RT: 8.928 min Scan# 1967

Delta R.T. -0.006 min

Lab File: VL041122.D

Acq: 4 Apr 2024 10:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion: 97 Resp: 117571

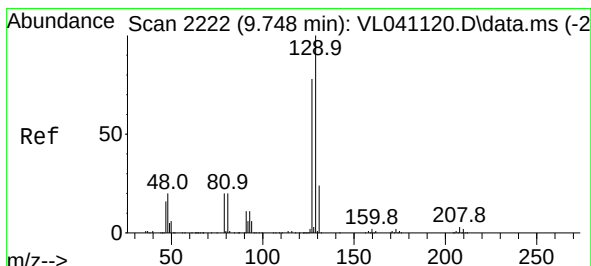
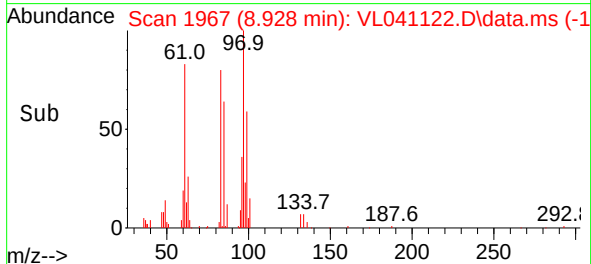
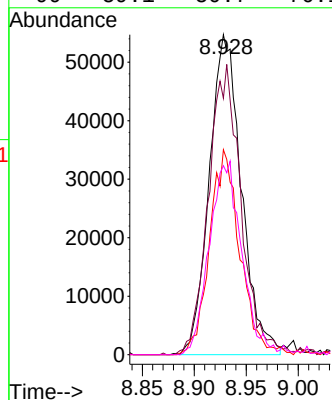
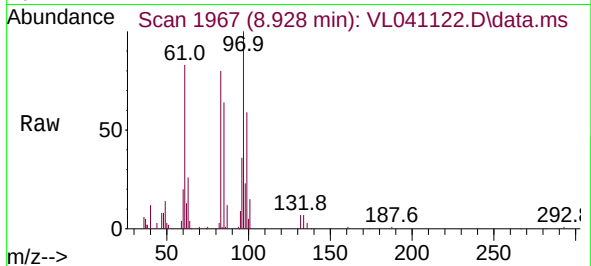
Ion Ratio Lower Upper

97 100

83 78.9 72.9 109.3

85 63.6 49.1 73.7

99 59.1 50.7 76.1



#48

Dibromochloromethane

Concen: 0.956 ppbv

RT: 9.741 min Scan# 2220

Delta R.T. -0.006 min

Lab File: VL041122.D

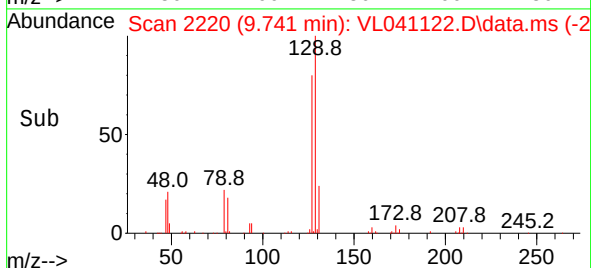
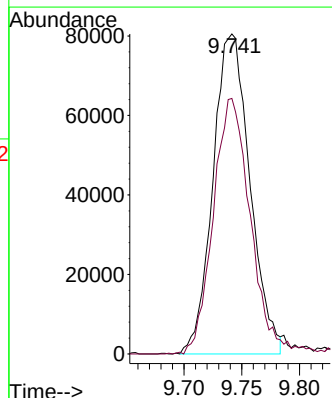
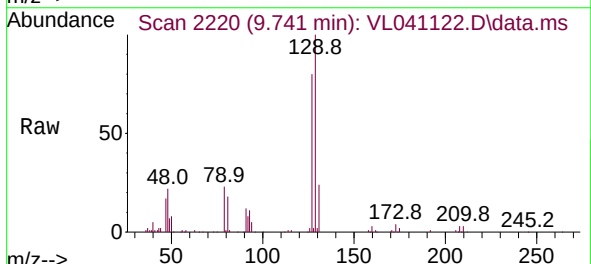
Acq: 4 Apr 2024 10:45

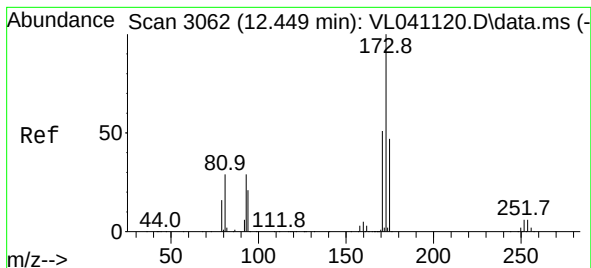
Tgt Ion: 129 Resp: 179547

Ion Ratio Lower Upper

129 100

127 80.8 39.3 117.9





#49

Bromoform

Concen: 0.458 ppbv

RT: 12.442 min Scan# 3060

Delta R.T. -0.006 min

Lab File: VL041122.D

Acq: 4 Apr 2024 10:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001

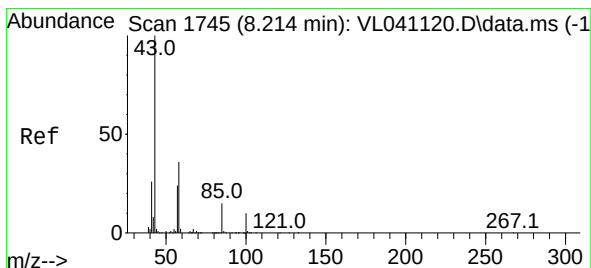
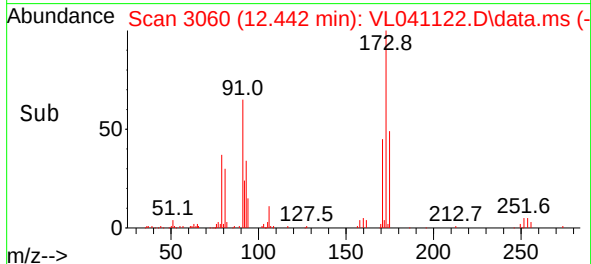
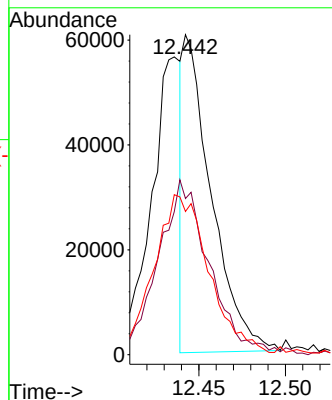
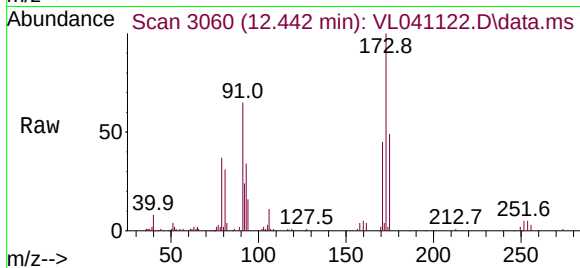
Tgt Ion:173 Resp: 68110

Ion Ratio Lower Upper

173 100

175 102.5 39.4 59.0#

171 0.0 42.9 64.3#



#50

4-Methyl-2-Pentanone

Concen: 0.991 ppbv

RT: 8.224 min Scan# 1748

Delta R.T. 0.010 min

Lab File: VL041122.D

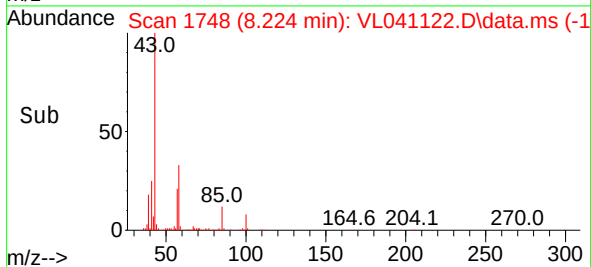
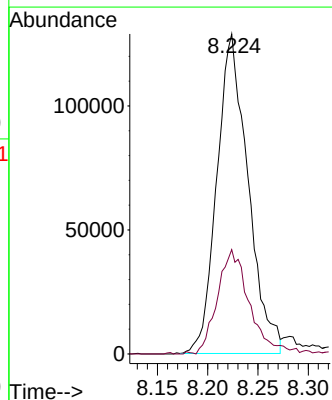
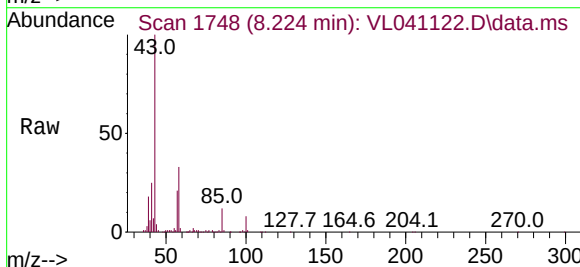
Acq: 4 Apr 2024 10:45

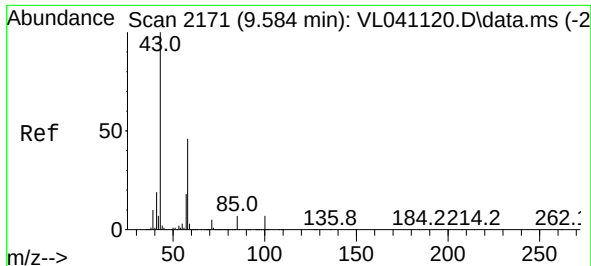
Tgt Ion: 43 Resp: 277564

Ion Ratio Lower Upper

43 100

58 34.5 27.7 41.5

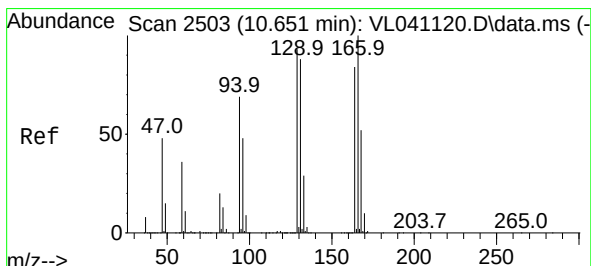
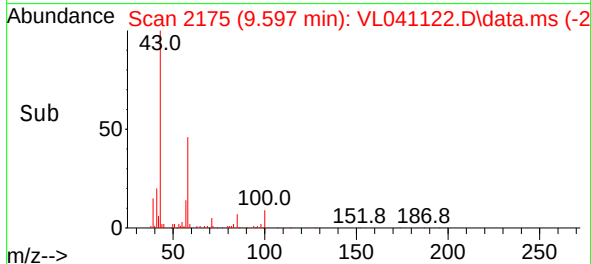
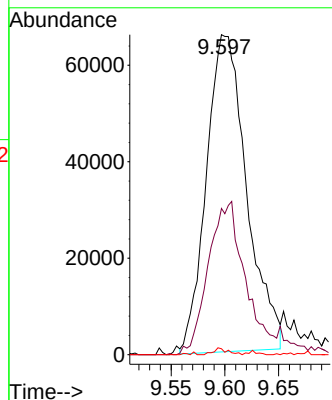
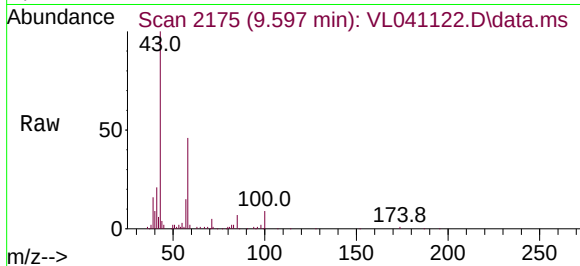




#51
2-Hexanone
Concen: 0.884 ppbv
RT: 9.597 min Scan# 2171
Delta R.T. 0.013 min
Lab File: VL041122.D
Acq: 4 Apr 2024 10:45

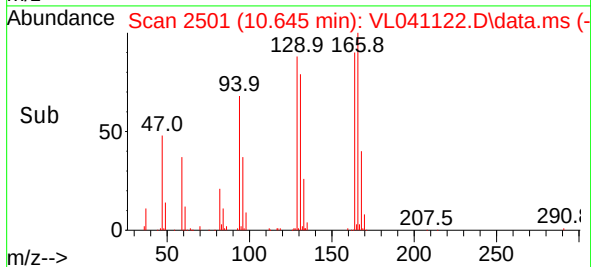
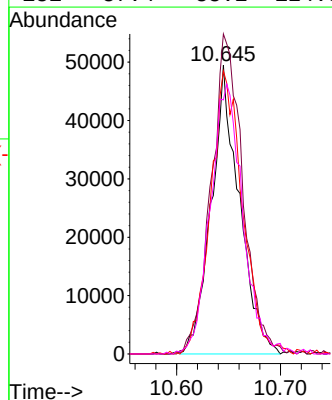
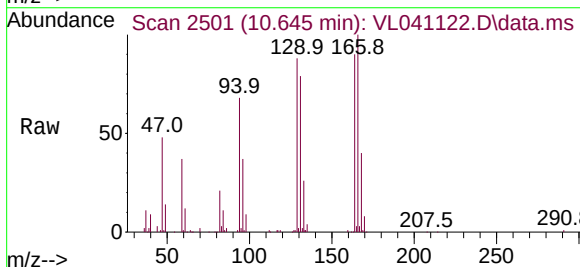
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

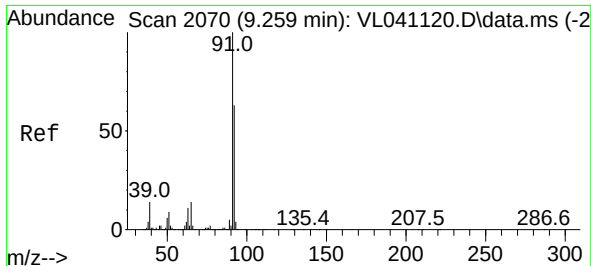
Tgt Ion: 43 Resp: 171662
Ion Ratio Lower Upper
43 100
58 48.4 37.3 55.9
98 1.0 0.3 0.5#



#52
Tetrachloroethene
Concen: 1.043 ppbv
RT: 10.645 min Scan# 2501
Delta R.T. -0.006 min
Lab File: VL041122.D
Acq: 4 Apr 2024 10:45

Tgt Ion: 164 Resp: 92701
Ion Ratio Lower Upper
164 100
166 109.8 95.0 142.6
129 100.1 88.7 133.1
131 87.4 83.2 124.8





#53

Toluene

Concen: 0.971 ppbv

RT: 9.249 min Scan# 2070

Delta R.T. -0.010 min

Lab File: VL041122.D

Acq: 4 Apr 2024 10:45

Instrument :

MSVOA_L

ClientSampleId :

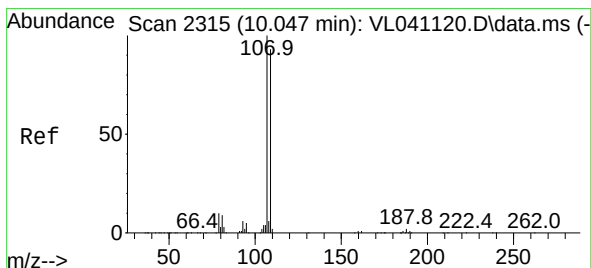
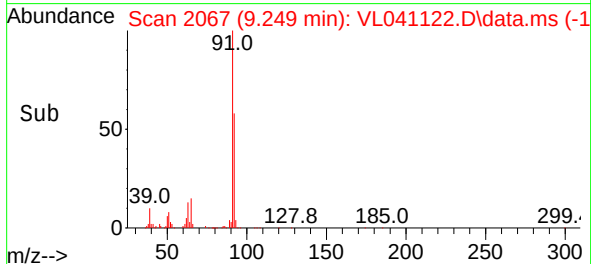
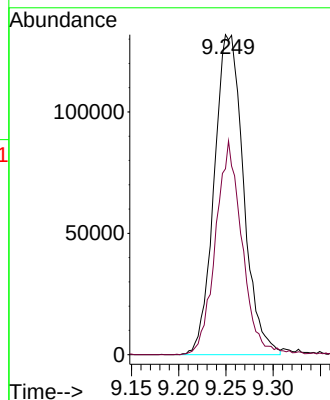
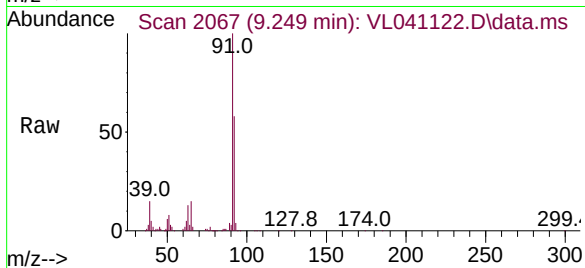
VSTDICC001

Tgt Ion: 91 Resp: 284677

Ion Ratio Lower Upper

91 100

92 61.1 49.0 73.4



#54

1,2-Dibromoethane

Concen: 0.985 ppbv

RT: 10.044 min Scan# 2314

Delta R.T. -0.003 min

Lab File: VL041122.D

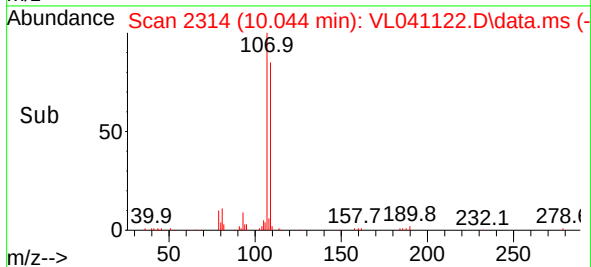
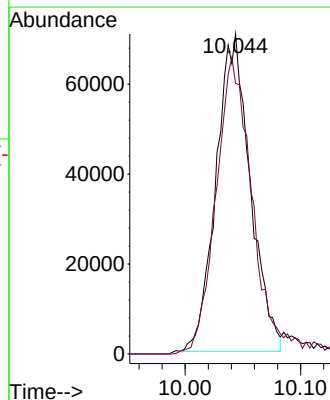
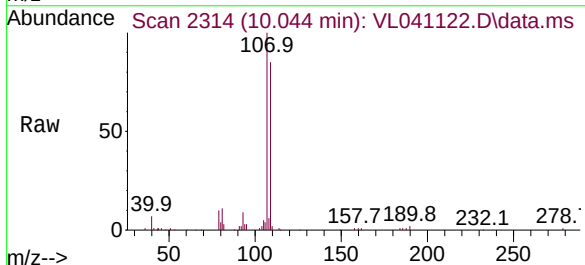
Acq: 4 Apr 2024 10:45

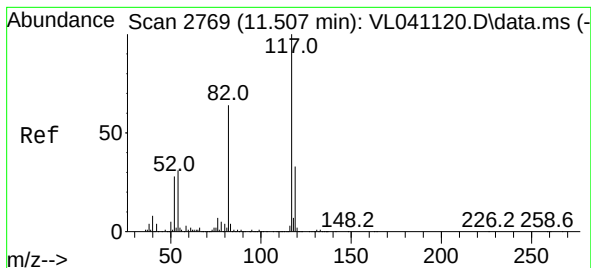
Tgt Ion: 107 Resp: 145141

Ion Ratio Lower Upper

107 100

109 84.5 74.3 111.5





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.500 min Scan# 21

Delta R.T. -0.006 min

Lab File: VL041122.D

Acq: 4 Apr 2024 10:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

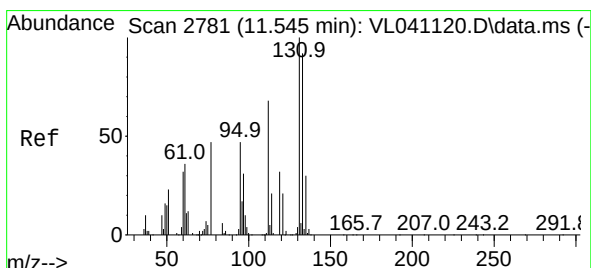
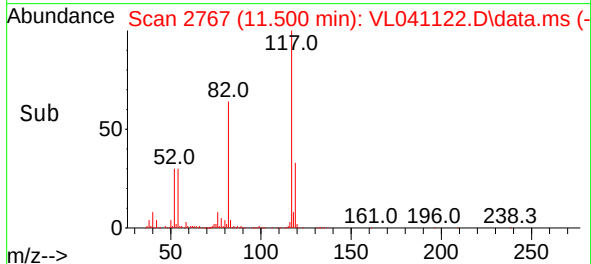
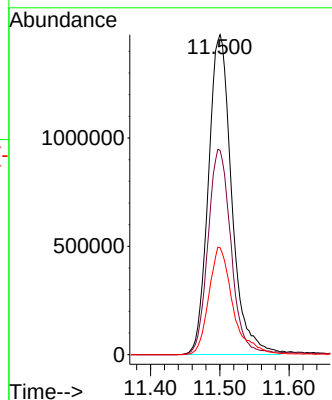
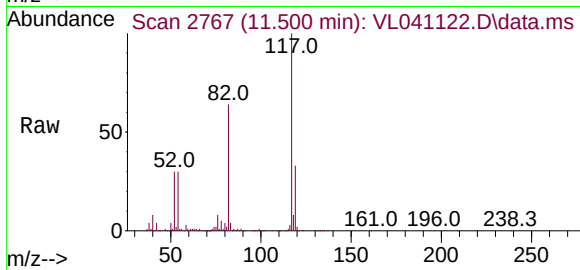
Tgt Ion:117 Resp: 3451776

Ion Ratio Lower Upper

117 100

82 64.9 51.0 76.6

119 34.9 25.2 37.8



#56

1,1,1,2-Tetrachloroethane

Concen: 1.065 ppbv

RT: 11.542 min Scan# 2780

Delta R.T. -0.003 min

Lab File: VL041122.D

Acq: 4 Apr 2024 10:45

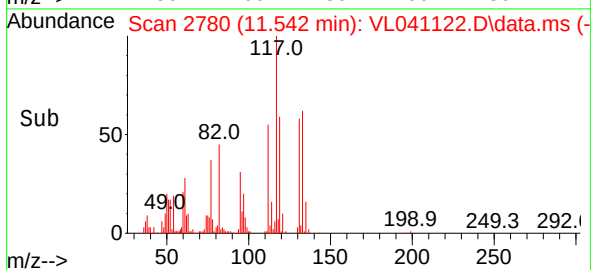
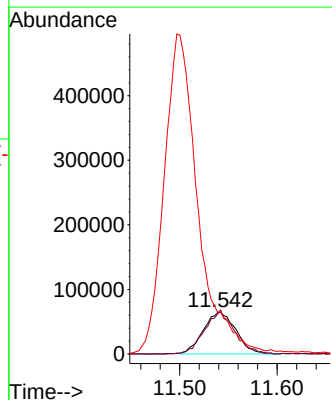
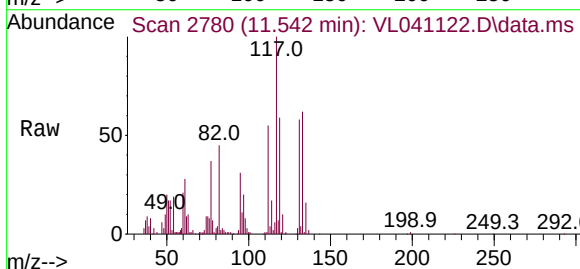
Tgt Ion:131 Resp: 150285

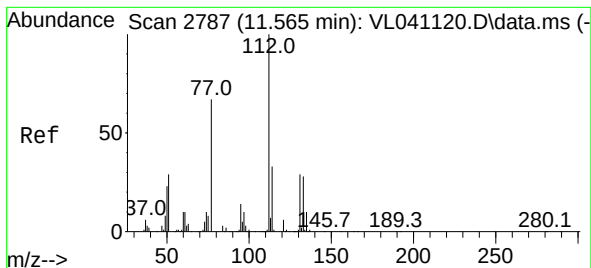
Ion Ratio Lower Upper

131 100

133 94.4 76.6 115.0

119 801.4 49.9 74.9#





#57

Chlorobenzene

Concen: 1.055 ppbv

RT: 11.555 min Scan# 21

Delta R.T. -0.010 min

Lab File: VL041122.D

Acq: 4 Apr 2024 10:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

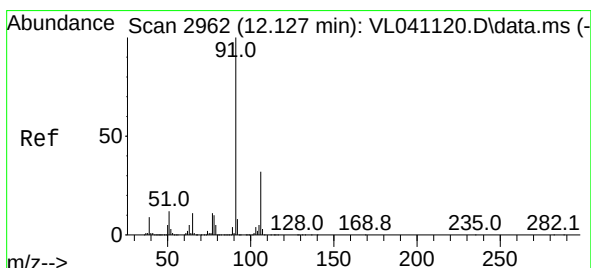
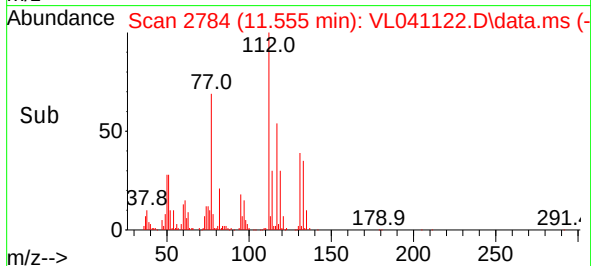
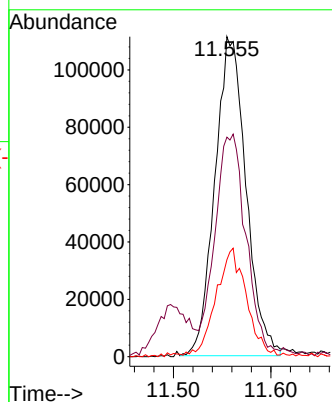
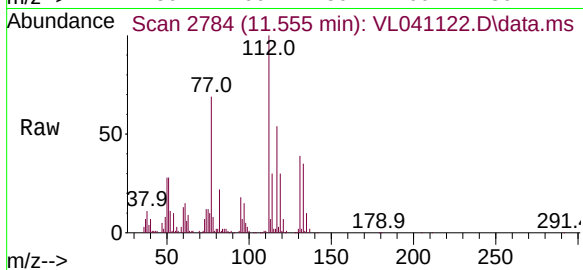
Tgt Ion:112 Resp: 246479

Ion Ratio Lower Upper

112 100

77 67.0 54.0 81.0

114 29.8 29.3 35.9



#58

Ethyl Benzene

Concen: 1.034 ppbv

RT: 12.124 min Scan# 2961

Delta R.T. -0.003 min

Lab File: VL041122.D

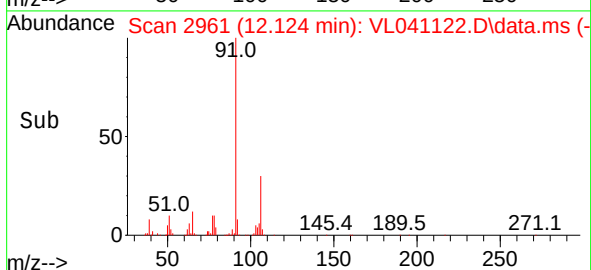
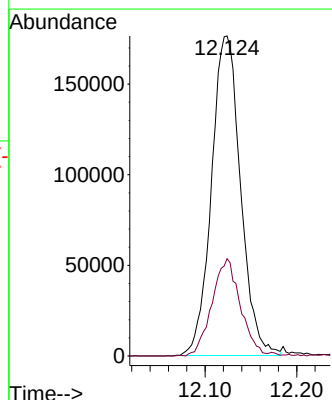
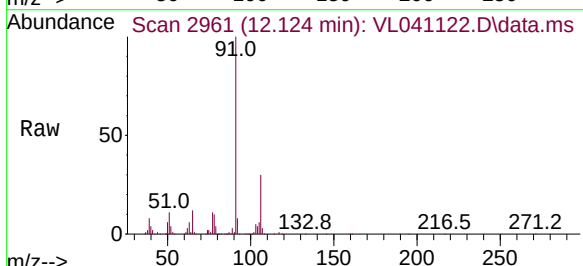
Acq: 4 Apr 2024 10:45

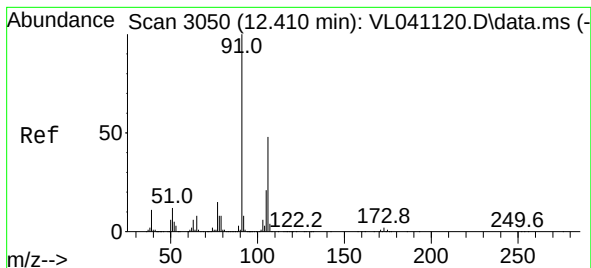
Tgt Ion: 91 Resp: 388820

Ion Ratio Lower Upper

91 100

106 30.2 25.6 38.4





#59

m/p-Xylene

Concen: 1.046 ppbv

RT: 12.407 min Scan# 3050

Delta R.T. -0.003 min

Lab File: VL041122.D

Acq: 4 Apr 2024 10:45

Instrument :

MSVOA_L

ClientSampleId :

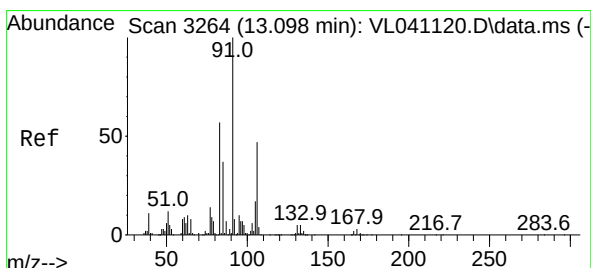
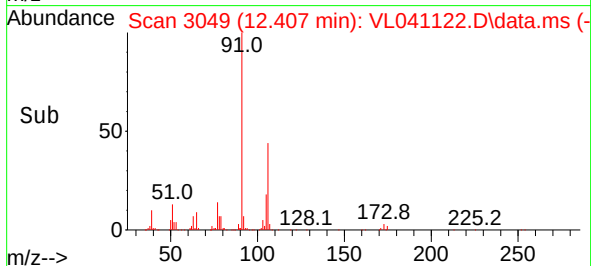
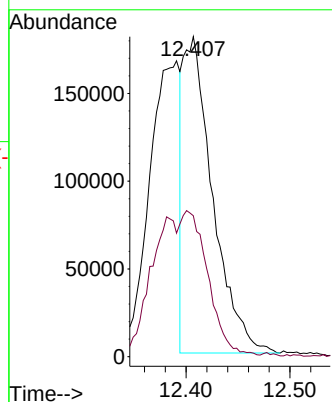
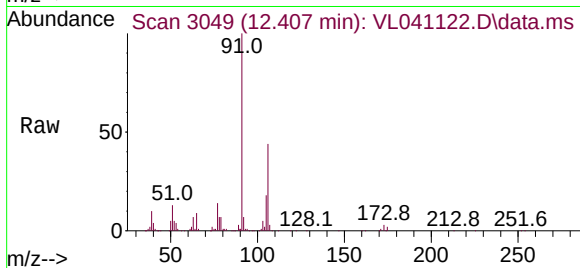
VSTDIC001

Tgt Ion: 91 Resp: 355396

Ion Ratio Lower Upper

91 100

106 85.3 35.4 53.2#



#60

o-Xylene

Concen: 1.031 ppbv

RT: 13.092 min Scan# 3262

Delta R.T. -0.006 min

Lab File: VL041122.D

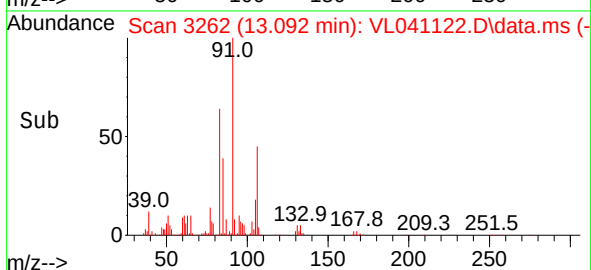
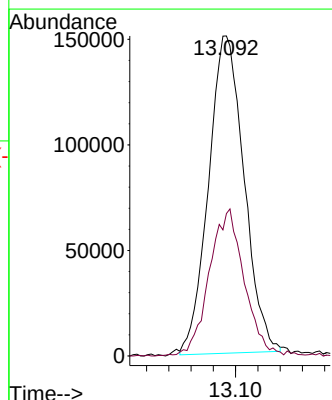
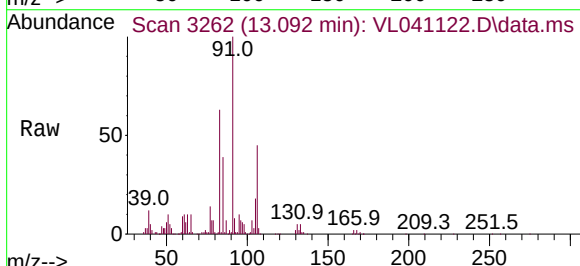
Acq: 4 Apr 2024 10:45

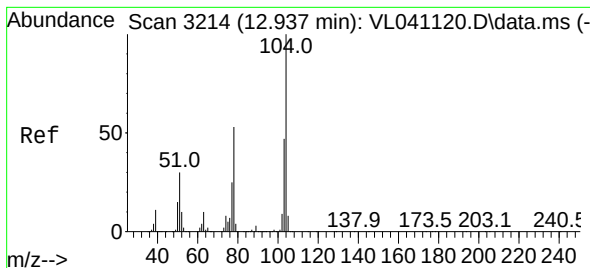
Tgt Ion: 91 Resp: 333251

Ion Ratio Lower Upper

91 100

106 46.0 22.9 68.5





#61

Styrene

Concen: 0.433 ppbv

RT: 12.928 min Scan# 31

Delta R.T. -0.010 min

Lab File: VL041122.D

Acq: 4 Apr 2024 10:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

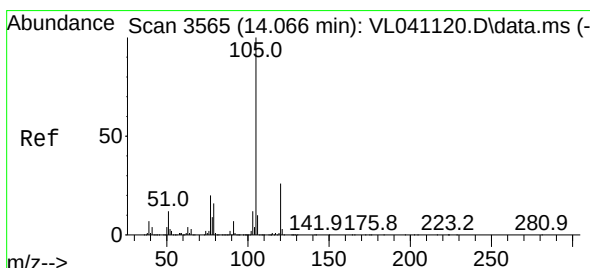
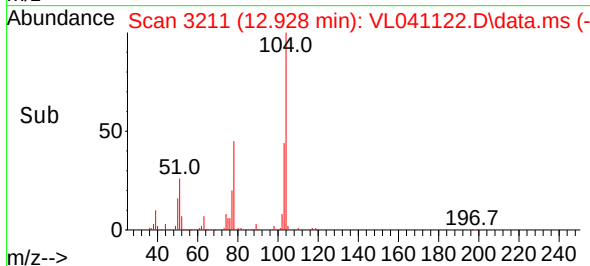
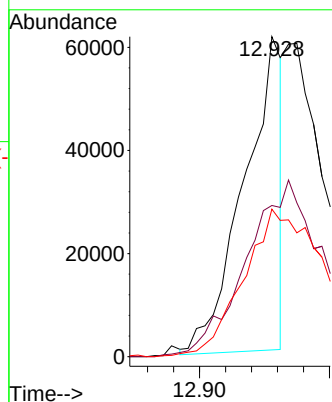
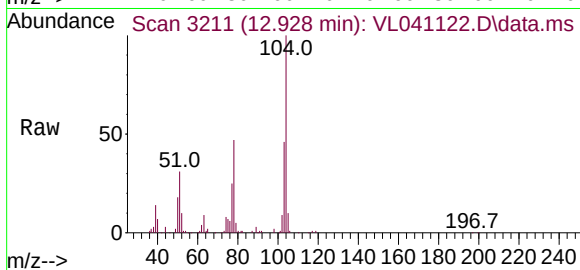
Tgt Ion:104 Resp: 61889

Ion Ratio Lower Upper

104 100

78 0.0 43.3 64.9#

103 104.4 38.2 57.2#



#62

Isopropylbenzene

Concen: 1.053 ppbv

RT: 14.063 min Scan# 3564

Delta R.T. -0.003 min

Lab File: VL041122.D

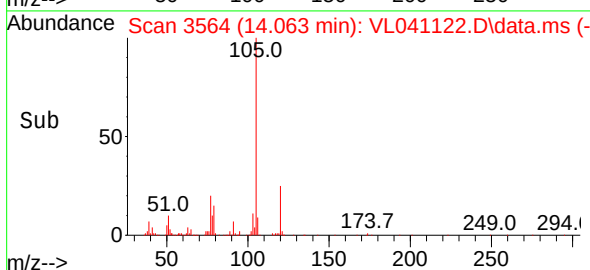
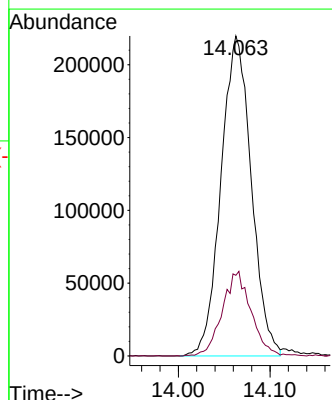
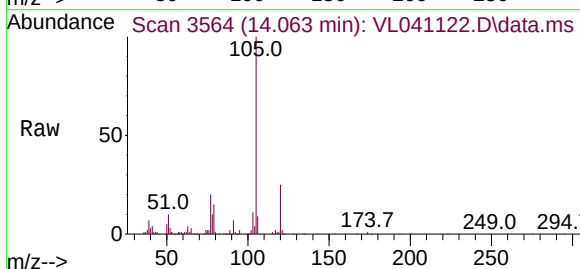
Acq: 4 Apr 2024 10:45

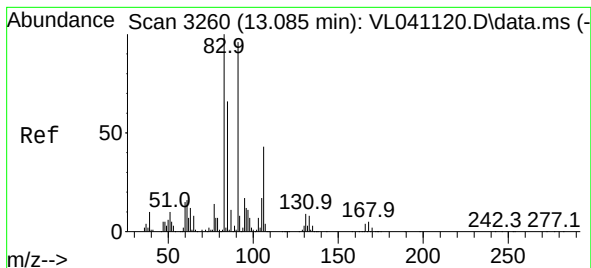
Tgt Ion:105 Resp: 505349

Ion Ratio Lower Upper

105 100

120 25.2 21.0 31.4





#63

1,1,2,2-Tetrachloroethane

Concen: 1.092 ppbv

RT: 13.082 min Scan# 31

Delta R.T. -0.003 min

Lab File: VL041122.D

Acq: 4 Apr 2024 10:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

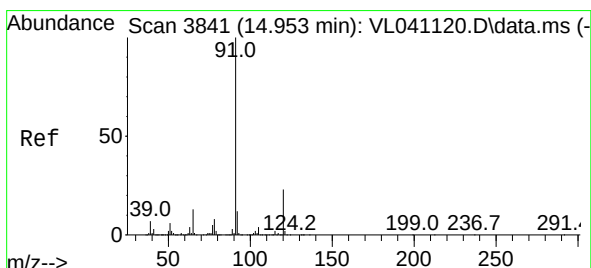
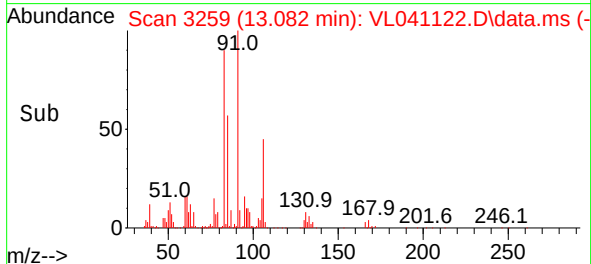
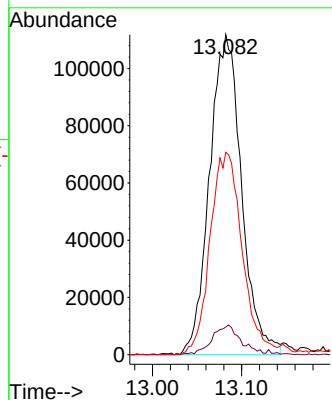
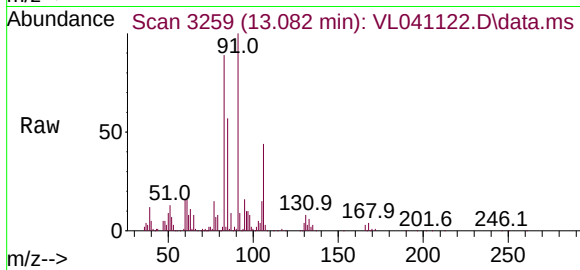
Tgt Ion: 83 Resp: 278514

Ion Ratio Lower Upper

83 100

131 8.6 4.7 14.0

85 64.8 33.1 99.2



#64

n-propylbenzene

Concen: 1.036 ppbv

RT: 14.950 min Scan# 3840

Delta R.T. -0.003 min

Lab File: VL041122.D

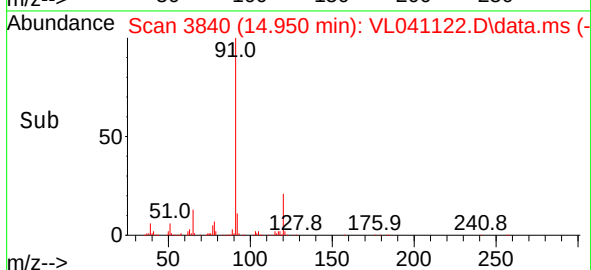
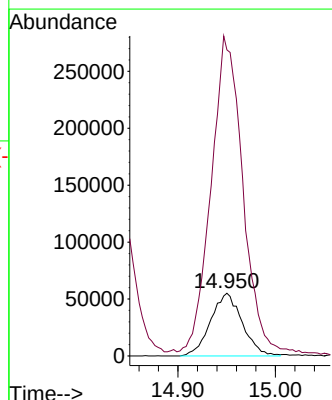
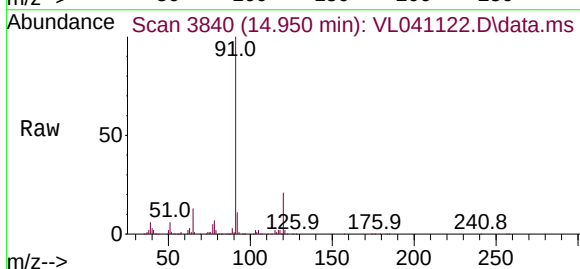
Acq: 4 Apr 2024 10:45

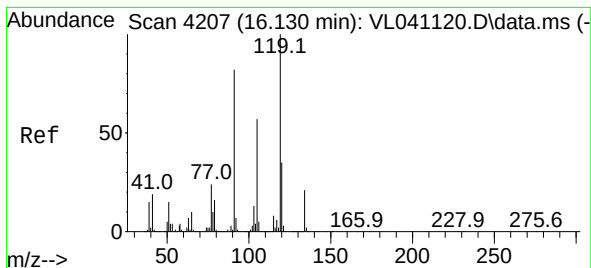
Tgt Ion:120 Resp: 124398

Ion Ratio Lower Upper

120 100

91 516.8 395.0 592.6





#65

tert-Butylbenzene

Concen: 1.044 ppbv

RT: 16.121 min Scan# 41

Delta R.T. -0.010 min

Lab File: VL041122.D

Acq: 4 Apr 2024 10:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

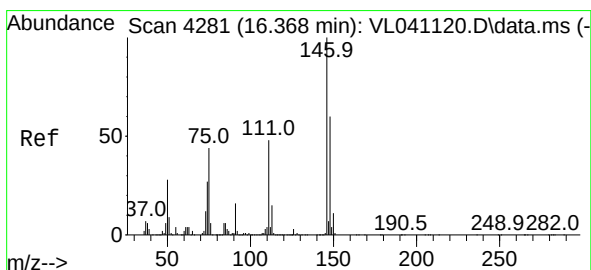
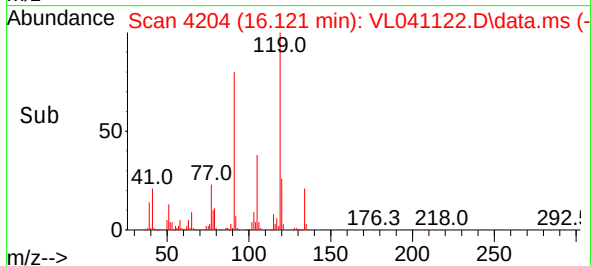
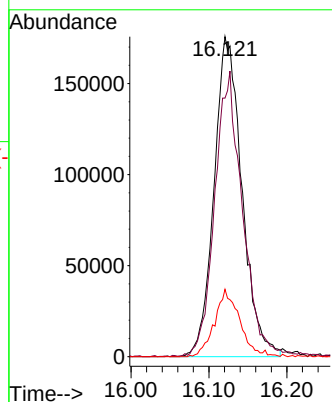
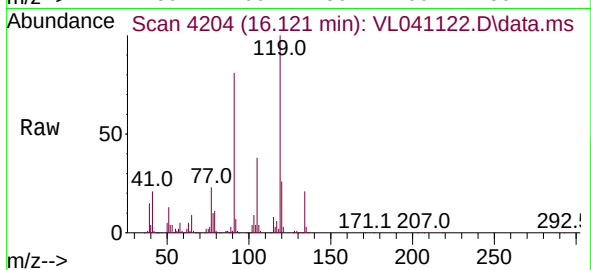
Tgt Ion:119 Resp: 437475

Ion Ratio Lower Upper

119 100

91 89.6 67.8 101.8

134 19.0 16.0 24.0



#66

Benzyl Chloride

Concen: 0.220 ppbv

RT: 16.359 min Scan# 4278

Delta R.T. -0.010 min

Lab File: VL041122.D

Acq: 4 Apr 2024 10:45

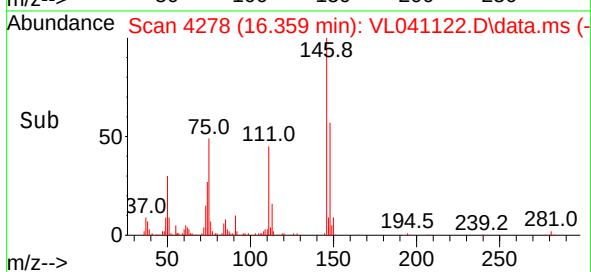
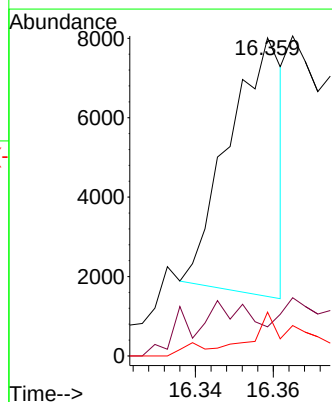
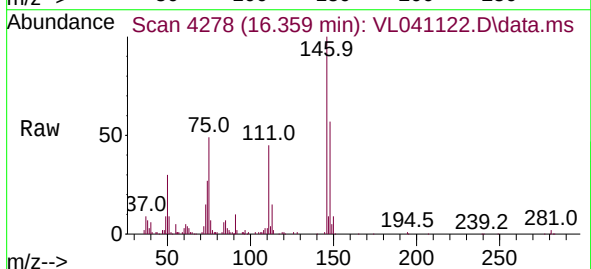
Tgt Ion: 91 Resp: 6074

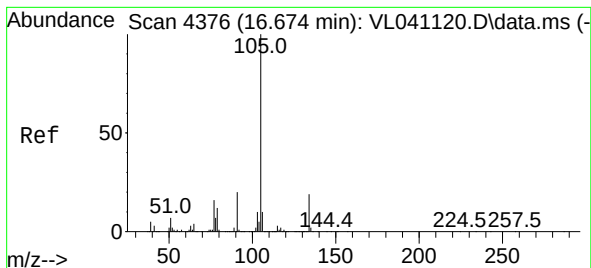
Ion Ratio Lower Upper

91 100

126 69.5 13.4 20.2#

128 23.6 4.3 6.5#





#67

sec-Butylbenzene

Concen: 1.065 ppbv

RT: 16.670 min Scan# 41

Delta R.T. -0.003 min

Lab File: VL041122.D

Acq: 4 Apr 2024 10:45

Instrument :

MSVOA_L

ClientSampleId :

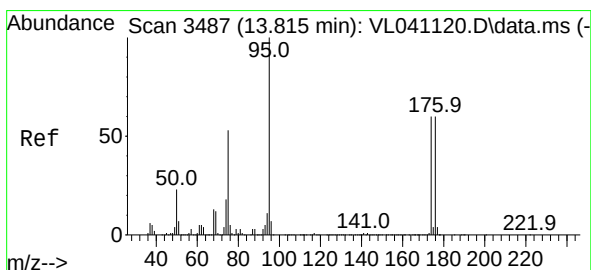
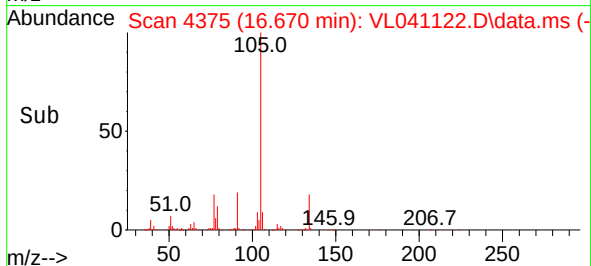
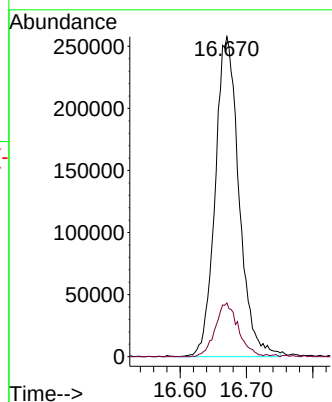
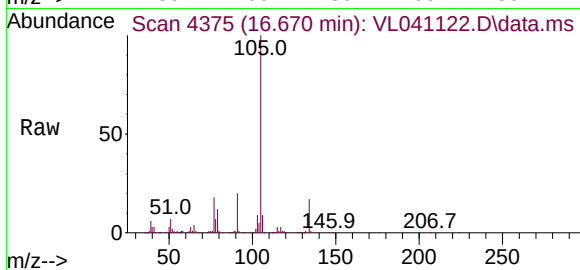
VSTDIC001

Tgt Ion:105 Resp: 643782

Ion Ratio Lower Upper

105 100

134 16.4 14.3 21.5



#68

1-Bromo-4-Fluorobenzene

Concen: 10.198 ppbv

RT: 13.809 min Scan# 3485

Delta R.T. -0.006 min

Lab File: VL041122.D

Acq: 4 Apr 2024 10:45

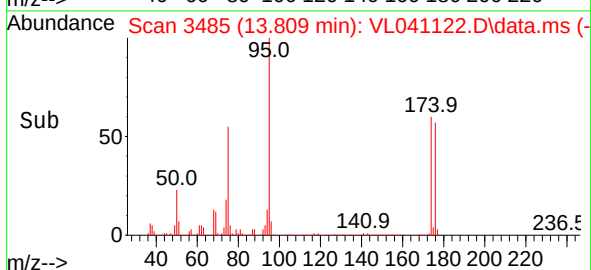
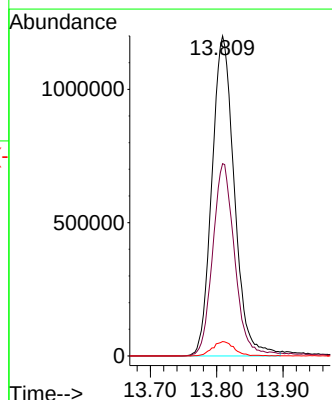
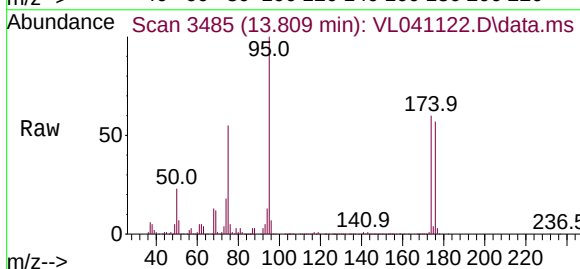
Tgt Ion: 95 Resp: 2820273

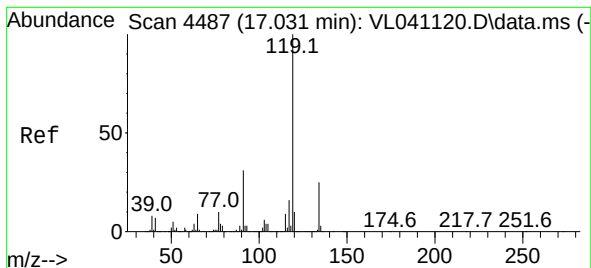
Ion Ratio Lower Upper

95 100

174 60.2 49.3 73.9

175 4.5 3.6 5.4





#69

p-Isopropyltoluene

Concen: 1.020 ppbv

RT: 17.031 min Scan# 4487

Delta R.T. -0.000 min

Lab File: VL041122.D

Acq: 4 Apr 2024 10:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

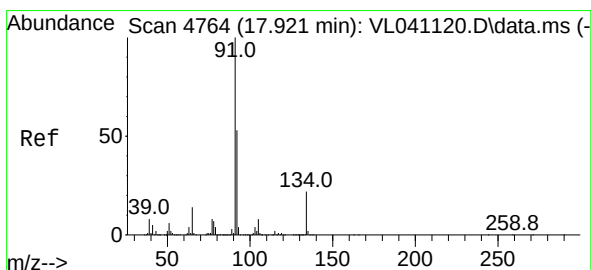
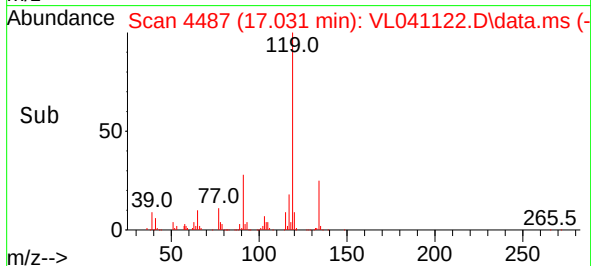
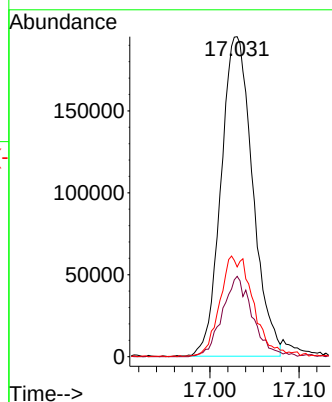
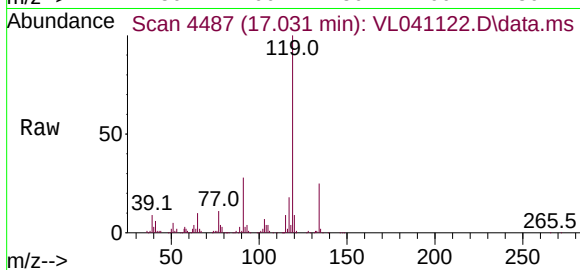
Tgt Ion:119 Resp: 480697

Ion Ratio Lower Upper

119 100

134 24.4 20.5 30.7

91 33.2 24.8 37.2



#70

n-Butylbenzene

Concen: 1.017 ppbv

RT: 17.924 min Scan# 4765

Delta R.T. 0.003 min

Lab File: VL041122.D

Acq: 4 Apr 2024 10:45

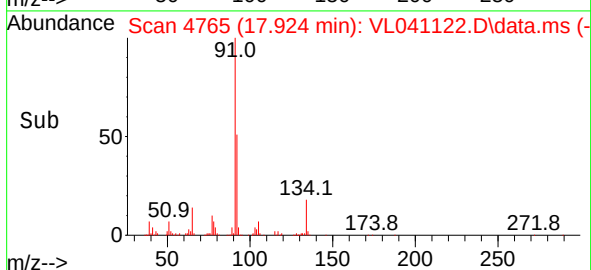
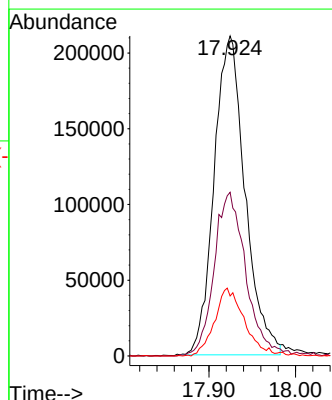
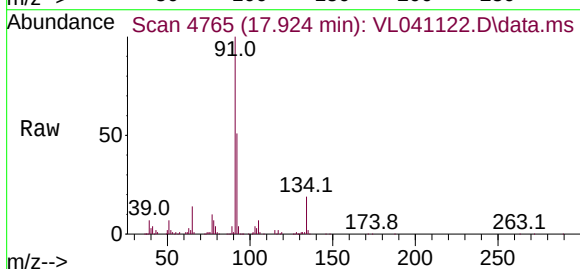
Tgt Ion: 91 Resp: 521755

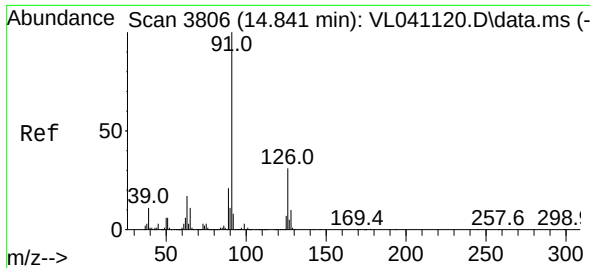
Ion Ratio Lower Upper

91 100

92 53.3 43.4 65.0

134 20.9 17.1 25.7

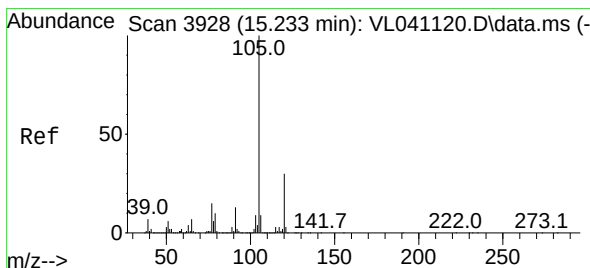
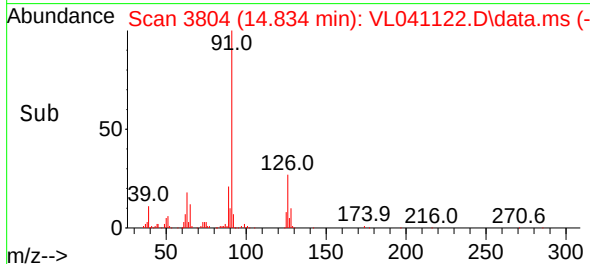
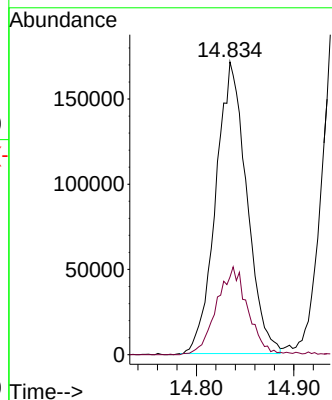
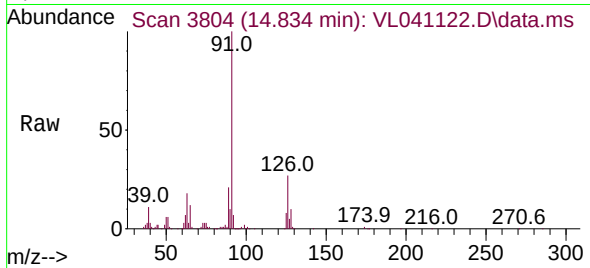




#71
2-Chlorotoluene
Concen: 1.030 ppbv
RT: 14.834 min Scan# 3804
Delta R.T. -0.006 min
Lab File: VL041122.D
Acq: 4 Apr 2024 10:45

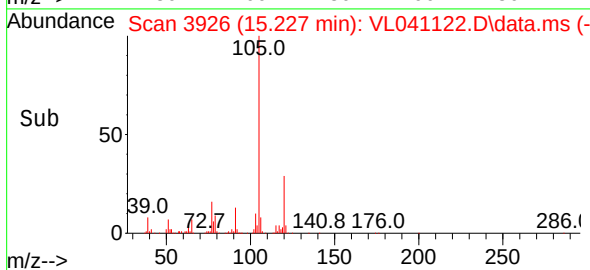
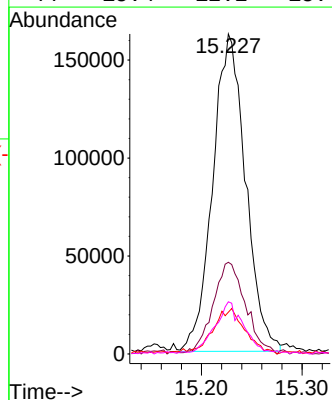
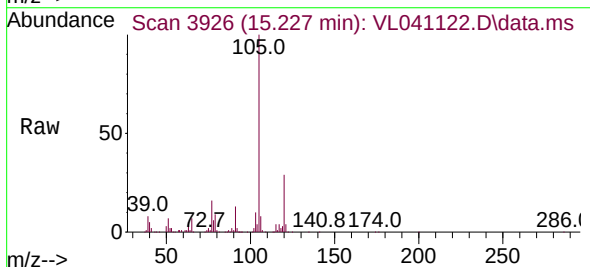
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

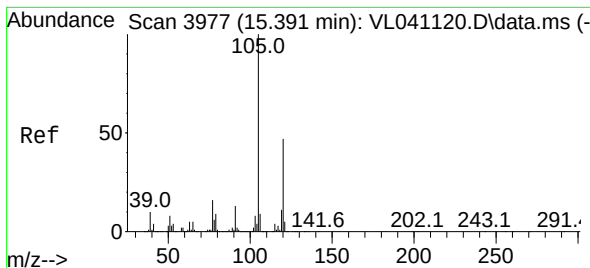
Tgt Ion: 91 Resp: 378542
Ion Ratio Lower Upper
91 100
126 30.7 12.5 50.1



#72
4-Ethyltoluene
Concen: 1.029 ppbv
RT: 15.227 min Scan# 3926
Delta R.T. -0.006 min
Lab File: VL041122.D
Acq: 4 Apr 2024 10:45

Tgt Ion:105 Resp: 366886
Ion Ratio Lower Upper
105 100
120 28.0 24.2 36.2
91 13.2 11.2 16.8
77 15.4 12.2 18.4





#73

1,3,5-Trimethylbenzene

Concen: 1.011 ppbv

RT: 15.384 min Scan# 3975

Delta R.T. -0.006 min

Lab File: VL041122.D

Acq: 4 Apr 2024 10:45

Instrument :

MSVOA_L

ClientSampleId :

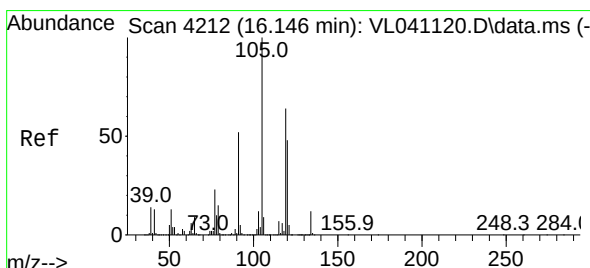
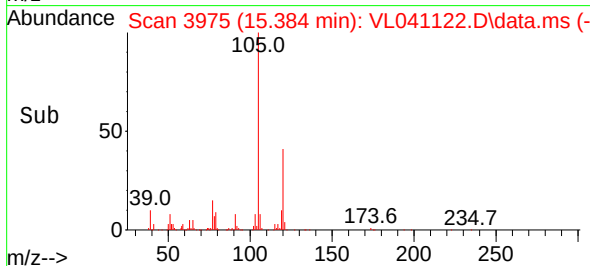
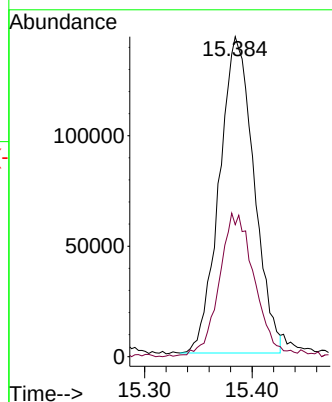
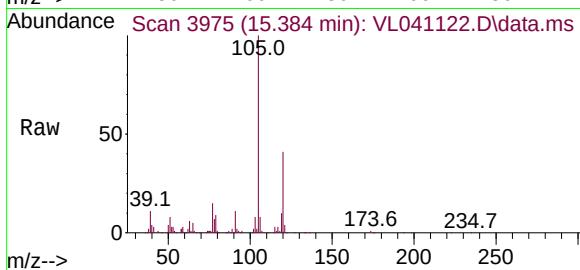
VSTDIC001

Tgt Ion:105 Resp: 320568

Ion Ratio Lower Upper

105 100

120 41.2 37.8 56.8



#74

1,2,4-Trimethylbenzene

Concen: 0.609 ppbv

RT: 16.137 min Scan# 4209

Delta R.T. -0.010 min

Lab File: VL041122.D

Acq: 4 Apr 2024 10:45

Tgt Ion:105 Resp: 222738

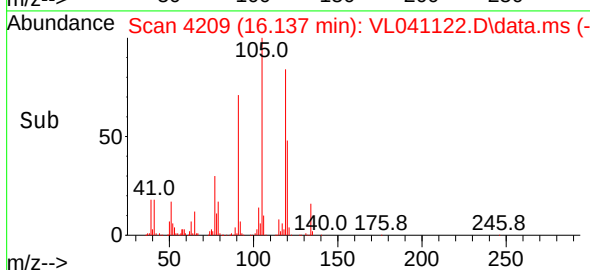
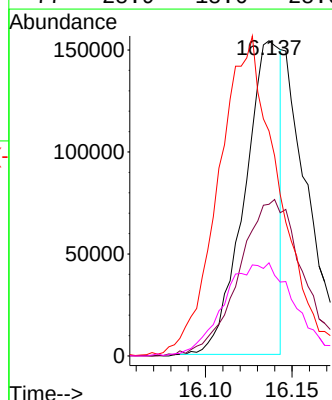
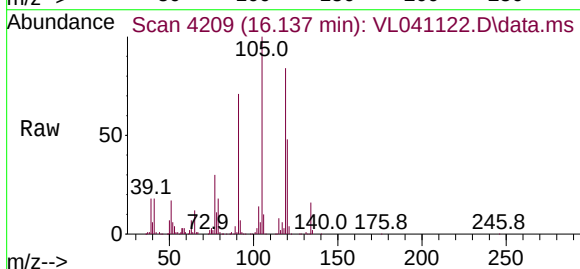
Ion Ratio Lower Upper

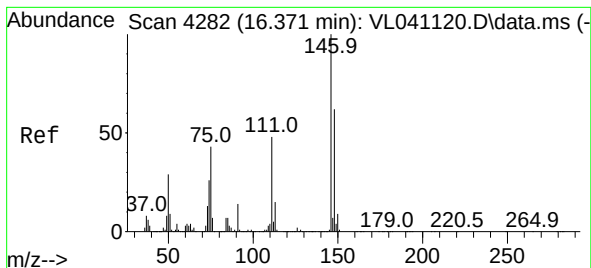
105 100

120 46.7 38.9 58.3

91 66.1 43.0 64.6#

77 28.9 18.6 28.0#





#75

1,3-Dichlorobenzene

Concen: 1.007 ppbv

RT: 16.365 min Scan# 41

Delta R.T. -0.006 min

Lab File: VL041122.D

Acq: 4 Apr 2024 10:45

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC001

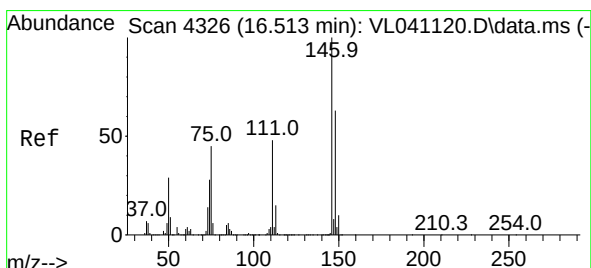
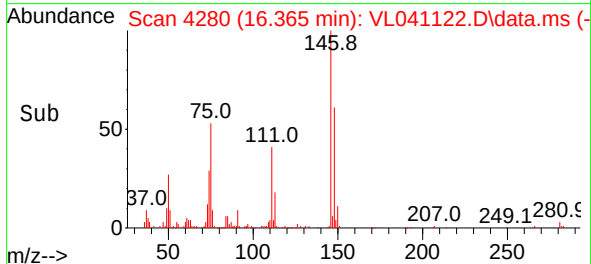
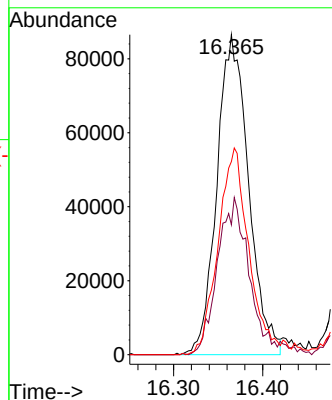
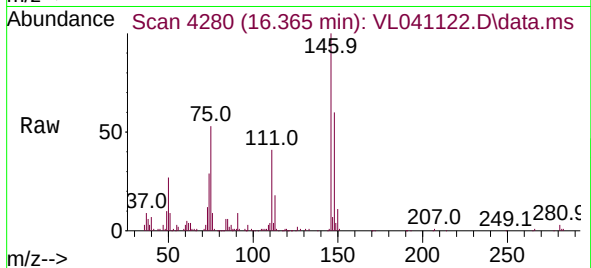
Tgt Ion:146 Resp: 213569

Ion Ratio Lower Upper

146 100

111 50.2 24.1 72.4

148 64.3 32.0 96.2



#76

1,4-Dichlorobenzene

Concen: 0.994 ppbv

RT: 16.506 min Scan# 4324

Delta R.T. -0.006 min

Lab File: VL041122.D

Acq: 4 Apr 2024 10:45

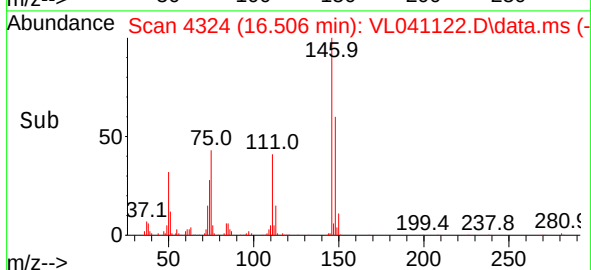
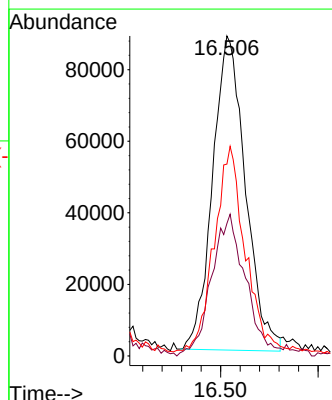
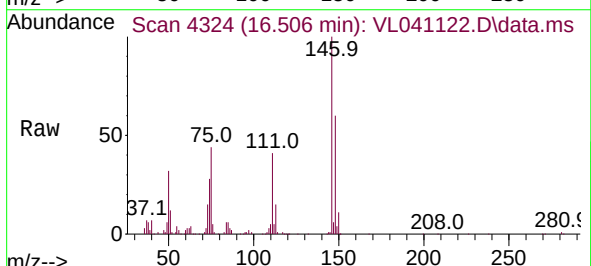
Tgt Ion:146 Resp: 205228

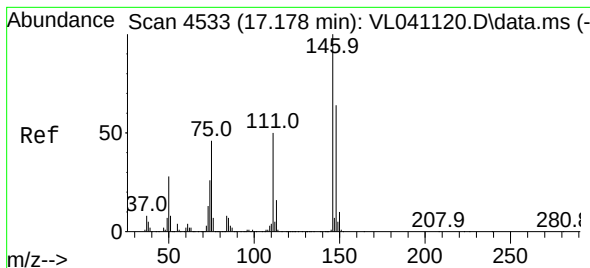
Ion Ratio Lower Upper

146 100

111 46.4 24.1 72.3

148 68.3 33.1 99.2





#77

1,2-Dichlorobenzene

Concen: 0.983 ppbv

RT: 17.172 min Scan# 4531

Delta R.T. -0.006 min

Lab File: VL041122.D

Acq: 4 Apr 2024 10:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

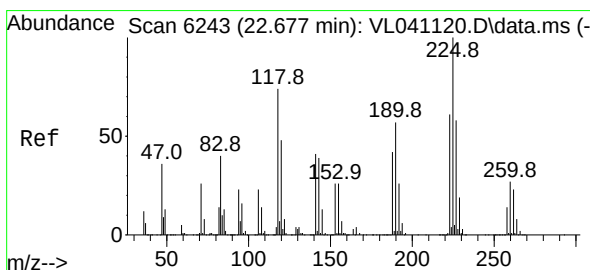
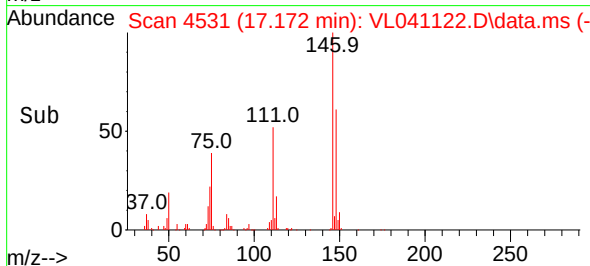
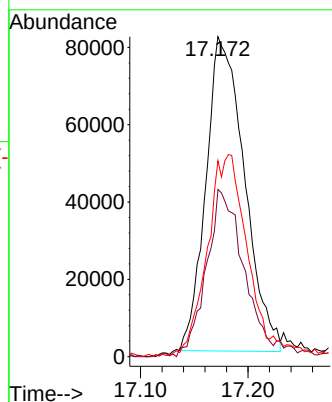
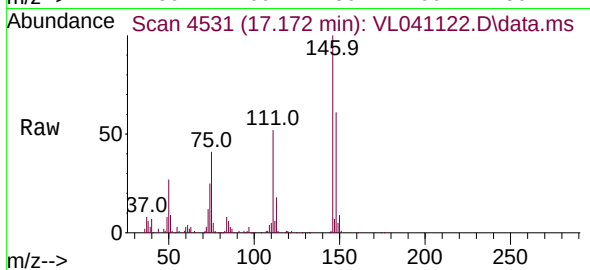
Tgt Ion:146 Resp: 202607

Ion Ratio Lower Upper

146 100

111 54.3 25.1 75.3

148 69.5 32.6 97.7



#78

Hexachloro-1,3-Butadiene

Concen: 1.034 ppbv

RT: 22.673 min Scan# 6242

Delta R.T. -0.003 min

Lab File: VL041122.D

Acq: 4 Apr 2024 10:45

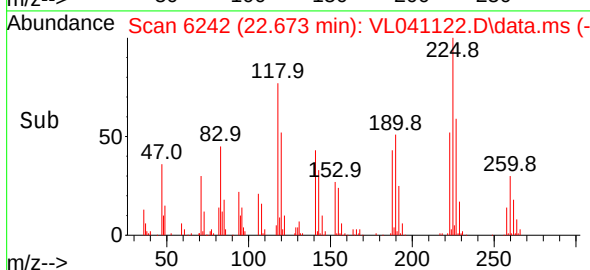
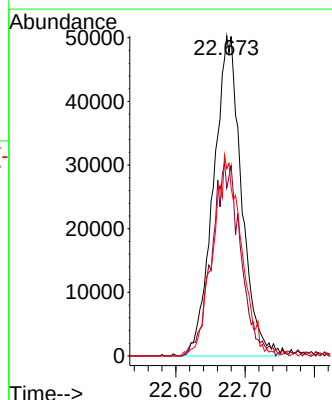
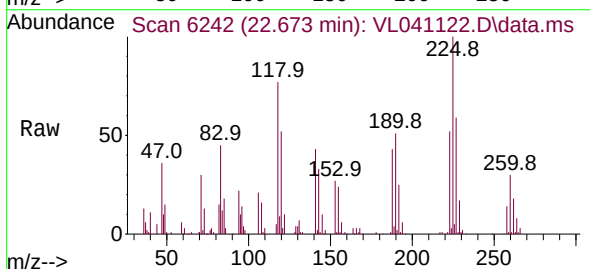
Tgt Ion:225 Resp: 141590

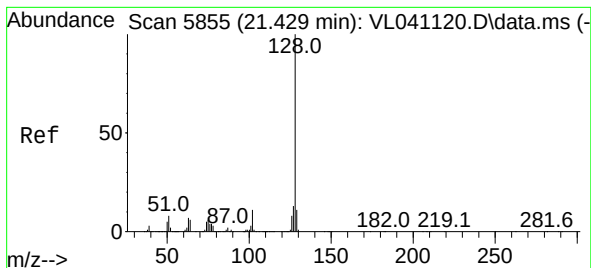
Ion Ratio Lower Upper

225 100

223 62.4 50.9 76.3

227 63.9 51.3 76.9





#79

Naphthalene

Concen: 0.904 ppbv

RT: 21.432 min Scan# 5856

Delta R.T. 0.003 min

Lab File: VL041122.D

Acq: 4 Apr 2024 10:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

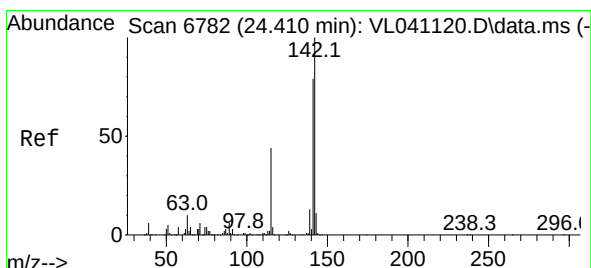
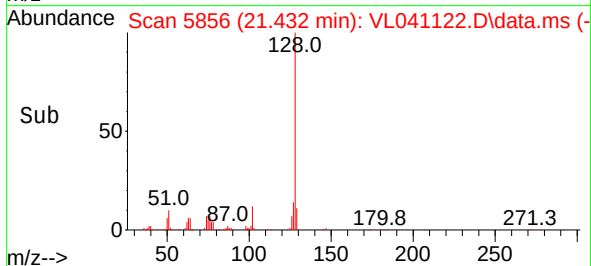
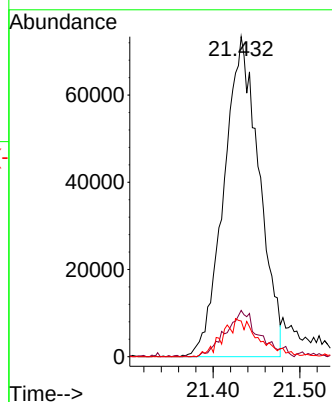
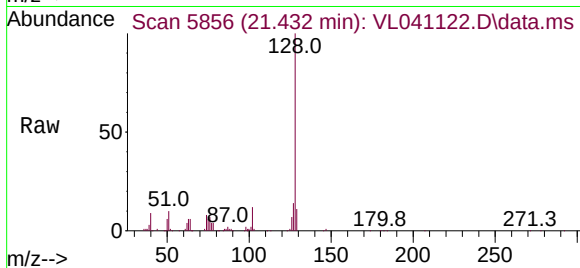
Tgt Ion:128 Resp: 207588

Ion Ratio Lower Upper

128 100

127 14.5 10.6 15.8

129 11.2 8.6 12.8



#80

Naphthalene, 2-methyl-

Concen: 0.421 ppbv

RT: 24.419 min Scan# 6785

Delta R.T. 0.010 min

Lab File: VL041122.D

Acq: 4 Apr 2024 10:45

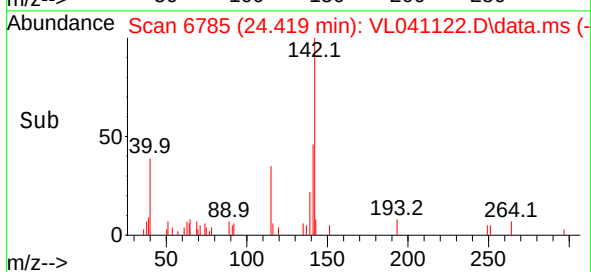
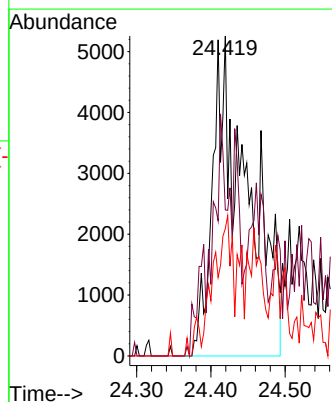
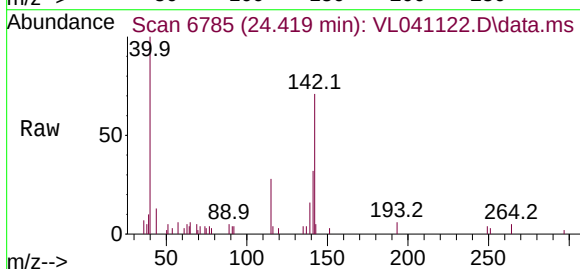
Tgt Ion:142 Resp: 16958

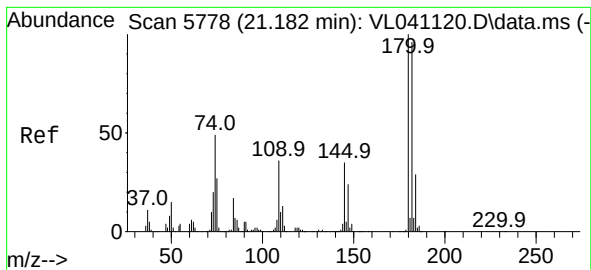
Ion Ratio Lower Upper

142 100

141 88.2 64.4 96.6

115 31.1 33.5 50.3#





#81

1,2,4-Trichlorobenzene

Concen: 0.887 ppbv

RT: 21.185 min Scan# 51

Delta R.T. 0.003 min

Lab File: VL041122.D

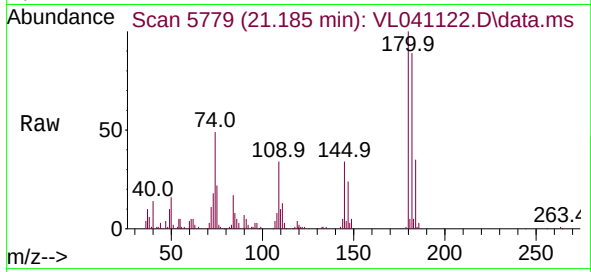
Acq: 4 Apr 2024 10:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001



Tgt Ion:180 Resp: 117321

Ion Ratio Lower Upper

180 100

182 98.2 77.4 116.2

184 30.9 24.9 37.3

