

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031124\
 Data File : VL041083.D
 Acq On : 11 Mar 2024 11:45
 Operator : SY/MD
 Sample : VSTDICC002
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002

Quant Time: Mar 12 05:49:34 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031124AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Mar 12 05:47:21 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.198	49	1505657	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.664	114	3896914	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.484	117	3705350	10.000	ppbv	# 0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.793	95	2758096	9.520	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.200%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.726	85	608857	2.122	ppbv	94
3) Chlorodifluoromethane	2.671	51	467431	2.114	ppbv	100
4) Chloromethane	2.809	50	176848	2.113	ppbv	94
5) Vinyl Chloride	2.919	62	173983	2.043	ppbv	96
6) Bromomethane	3.121	94	73584	2.179	ppbv	92
7) Chloroethane	3.198	64	61514	2.052	ppbv	95
8) Dichlorotetrafluoroethane	2.854	85	432246	2.075	ppbv	97
9) Propene	2.690	41	158946	2.158	ppbv	99
10) Heptane	7.594	43	381965	2.168	ppbv	97
11) Trichlorofluoromethane	3.565	101	465159	2.103	ppbv	92
12) 1,1,2-Trichlorotrifluo...	4.073	101	339098	2.085	ppbv	98
13) Ethanol	3.253	45	40423	2.169	ppbv	91
14) Bromoethene	3.366	108	131520	2.074	ppbv	97
15) Acetone	3.472	43	396079	2.309	ppbv	97
16) 1,3-Butadiene	2.986	39	119900	1.485	ppbv #	59
17) tert-Butyl alcohol	3.883	59	259629	2.036	ppbv	100
18) 1,1-Dichloroethene	3.883	96	148534	2.074	ppbv	98
19) Isopropyl Alcohol	3.584	45	197545	2.156	ppbv	100
20) Methylene Chloride	3.938	84	136280	2.038	ppbv	93
21) Allyl Chloride	3.999	41	201357	2.078	ppbv	98
22) trans-1,2-Dichloroethene	4.452	96	190222	2.231	ppbv	89
23) Vinyl Acetate	4.636	43	408723	2.146	ppbv #	98
24) 1,1-Dichloroethane	4.568	63	390249	2.225	ppbv	99
25) Ethyl Acetate	5.214	43	660134	2.136	ppbv	100
26) Hexane	5.221	57	292777	2.112	ppbv	96
27) Carbon Disulfide	4.131	76	324081	1.957	ppbv #	90
28) Methyl tert-Butyl Ether	4.594	73	270307	2.213	ppbv	98
29) Chloroform	5.282	83	506292	2.124	ppbv	95
30) Cyclohexane	6.613	84	237108	2.090	ppbv	95
31) cis-1,2-Dichloroethene	5.086	61	286855	2.136	ppbv	97
32) 1,1,1-Trichloroethane	6.012	97	478832	2.242	ppbv	99
34) 2-Butanone	4.793	43	402543	2.081	ppbv	97
35) Carbon Tetrachloride	6.507	117	500457	2.206	ppbv	97
36) Benzene	6.381	78	617086	2.127	ppbv	98
37) 1,2-Dichloroethane	5.816	62	356161	2.041	ppbv	99
38) Trichloroethene	7.304	130	234502	2.165	ppbv	94
39) 1,2-Dichloropropane	7.082	63	243788	2.102	ppbv	97
40) 1,4-Dioxane	7.308	88	92883	2.031	ppbv	82
41) Tetrahydrofuran	5.571	42	230487	2.008	ppbv	93
42) Bromodichloromethane	7.262	83	534289	2.137	ppbv	91
43) Methyl Methacrylate	7.491	69	234853	2.096	ppbv	100
44) 2,2,4-Trimethylpentane	7.336	57	1059580	2.186	ppbv	98
45) t-1,3-Dichloropropene	8.722	75	154711	1.988	ppbv	92

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031124\
 Data File : VL041083.D
 Acq On : 11 Mar 2024 11:45
 Operator : SY/MD
 Sample : VSTDICC002
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

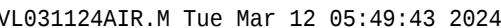
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002

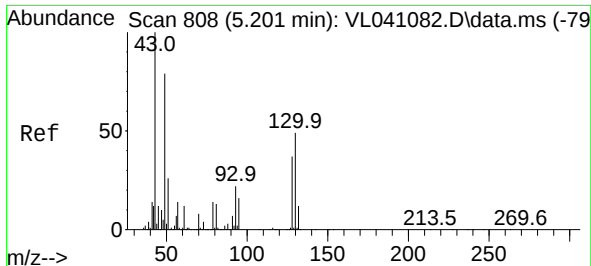
Quant Time: Mar 12 05:49:34 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031124AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Mar 12 05:47:21 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.156	75	199391	2.056	ppbv	98
47) 1,1,2-Trichloroethane	8.915	97	256347	2.068	ppbv	95
48) Dibromochloromethane	9.725	129	423663	2.097	ppbv	99
49) Bromoform	12.423	173	337892	2.106	ppbv	99
50) 4-Methyl-2-Pentanone	8.201	43	637119	2.239	ppbv	99
51) 2-Hexanone	9.571	43	440592	2.091	ppbv #	97
52) Tetrachloroethene	10.632	164	204507	2.267	ppbv	98
53) Toluene	9.233	91	681654	2.180	ppbv	99
54) 1,2-Dibromoethane	10.021	107	351909	2.212	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.523	131	322689	2.034	ppbv #	1
57) Chlorobenzene	11.542	112	538249	2.029	ppbv	100
58) Ethyl Benzene	12.108	91	924445	2.131	ppbv	98
59) m/p-Xylene	12.391	91	935616	2.457	ppbv #	54
60) o-Xylene	13.079	91	764651	2.117	ppbv	98
61) Styrene	12.915	104	331670	2.013	ppbv	96
62) Isopropylbenzene	14.050	105	1131642	2.106	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.063	83	589936	2.139	ppbv	100
64) n-propylbenzene	14.937	120	283078	2.091	ppbv	89
65) tert-Butylbenzene	16.108	119	1003072	2.152	ppbv	97
66) Benzyl Chloride	16.336	91	15043	0.479	ppbv #	59
67) sec-Butylbenzene	16.654	105	1457686	2.171	ppbv	97
69) p-Isopropyltoluene	17.015	119	1143445	2.183	ppbv	99
70) n-Butylbenzene	17.902	91	1251171	2.210	ppbv	98
71) 2-Chlorotoluene	14.818	91	877776	2.137	ppbv	98
72) 4-Ethyltoluene	15.211	105	847672	2.129	ppbv	99
73) 1,3,5-Trimethylbenzene	15.371	105	757251	2.150	ppbv	90
74) 1,2,4-Trimethylbenzene	16.127	105	872252	2.168	ppbv	96
75) 1,3-Dichlorobenzene	16.349	146	489622	2.132	ppbv	98
76) 1,4-Dichlorobenzene	16.494	146	461778	1.999	ppbv	99
77) 1,2-Dichlorobenzene	17.159	146	470767	2.076	ppbv	99
78) Hexachloro-1,3-Butadiene	22.664	225	119579	0.754	ppbv #	1
79) Naphthalene	21.413	128	579608	2.448	ppbv	95
80) Naphthalene,2-methyl-	24.413	142	49001	1.585	ppbv #	80
81) 1,2,4-Trichlorobenzene	21.162	180	288993	2.135	ppbv	92

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

Quant Time: Mar 12 05:49:34 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031124AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Tue Mar 12 05:47:21 2024
Response via : Initial Calibration

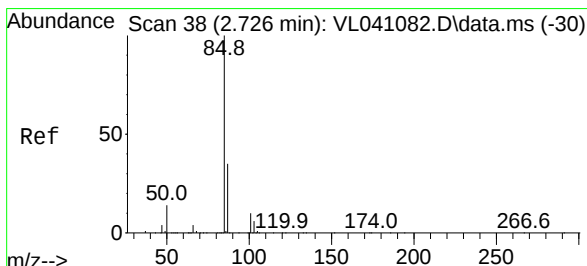
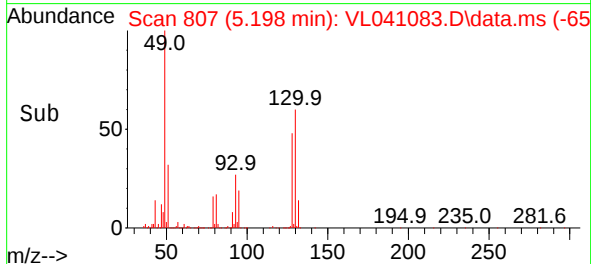
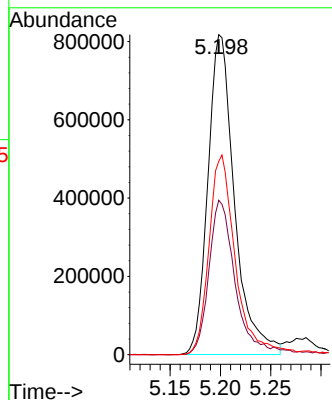
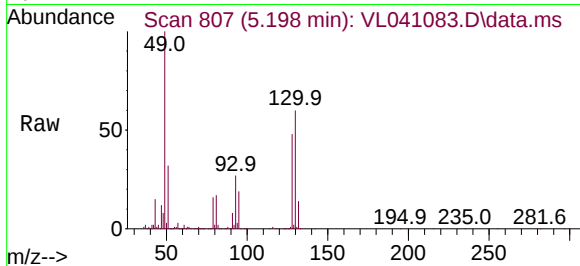




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.198 min Scan# 80
 Delta R.T. -0.003 min
 Lab File: VL041083.D
 Acq: 11 Mar 2024 11:45

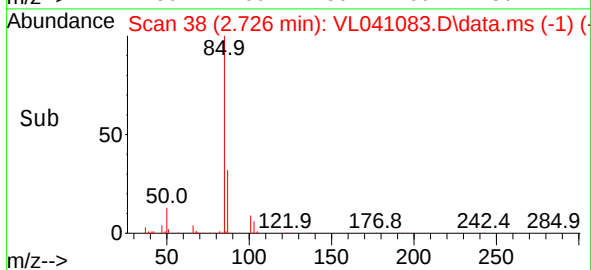
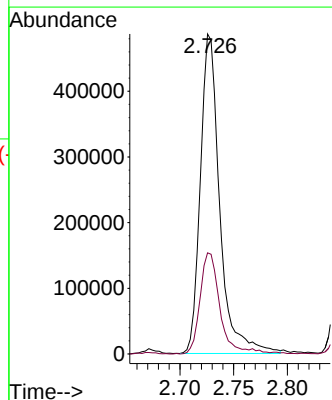
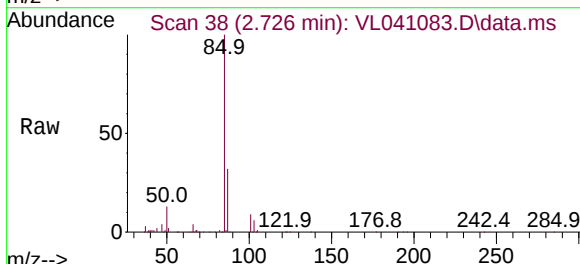
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

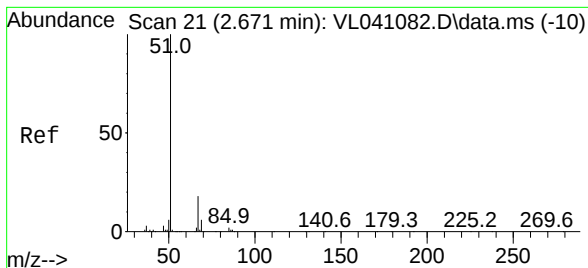
Tgt Ion: 49 Resp: 1505657
 Ion Ratio Lower Upper
 49 100
 128 49.0 23.8 71.5
 130 62.9 30.3 90.9



#2
 Dichlorodifluoromethane
 Concen: 2.122 ppbv
 RT: 2.726 min Scan# 38
 Delta R.T. 0.000 min
 Lab File: VL041083.D
 Acq: 11 Mar 2024 11:45

Tgt Ion: 85 Resp: 608857
 Ion Ratio Lower Upper
 85 100
 87 31.6 28.1 42.1

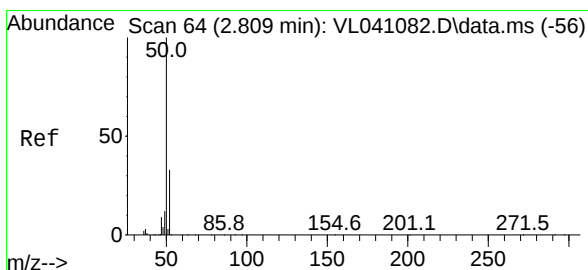
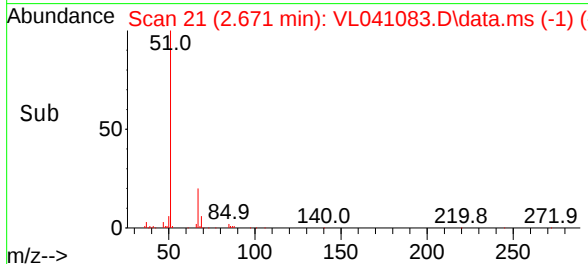
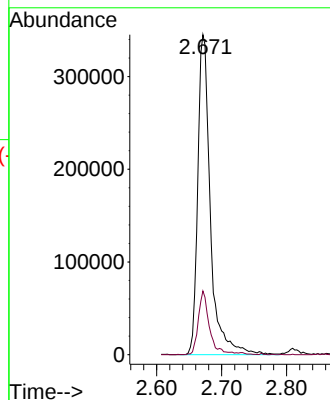
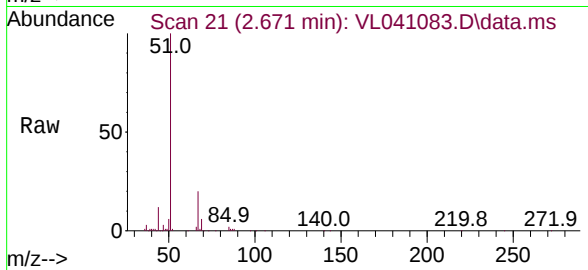




#3
Chlorodifluoromethane
Concen: 2.114 ppbv
RT: 2.671 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL041083.D
Acq: 11 Mar 2024 11:45

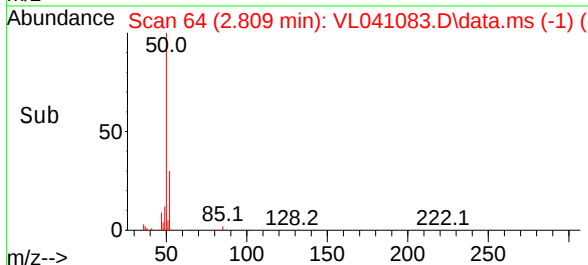
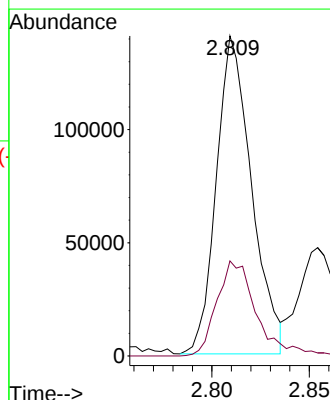
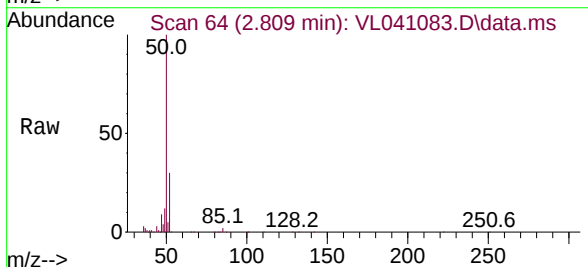
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

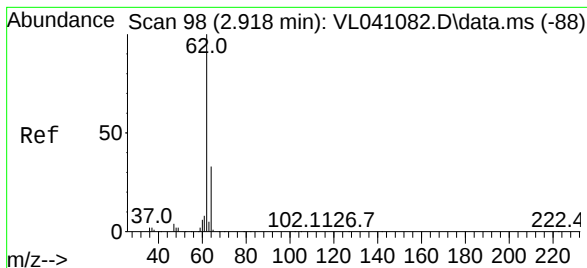
Tgt Ion: 51 Resp: 467431
Ion Ratio Lower Upper
51 100
67 18.0 14.5 21.7



#4
Chloromethane
Concen: 2.113 ppbv
RT: 2.809 min Scan# 64
Delta R.T. 0.000 min
Lab File: VL041083.D
Acq: 11 Mar 2024 11:45

Tgt Ion: 50 Resp: 176848
Ion Ratio Lower Upper
50 100
52 29.9 26.6 40.0





#5

Vinyl Chloride

Concen: 2.043 ppbv

RT: 2.919 min Scan# 98

Delta R.T. 0.000 min

Lab File: VL041083.D

Acq: 11 Mar 2024 11:45

Instrument :

MSVOA_L

ClientSampleId :

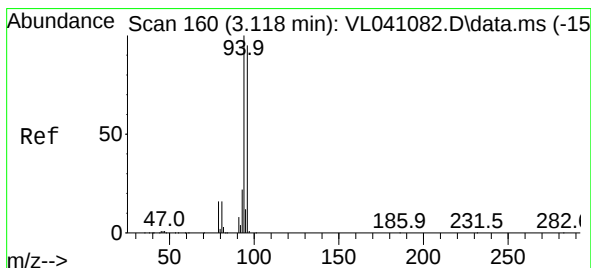
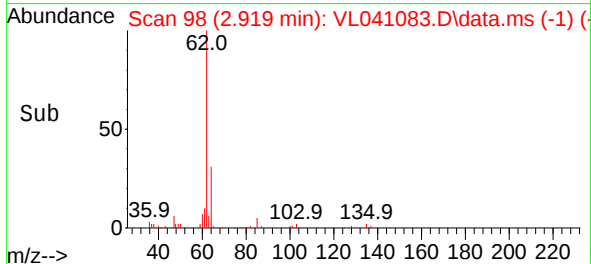
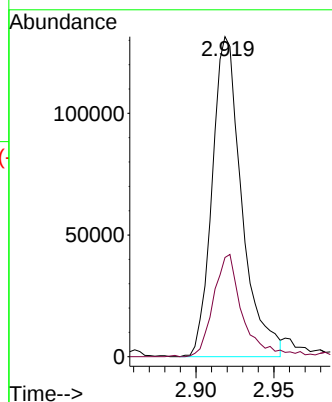
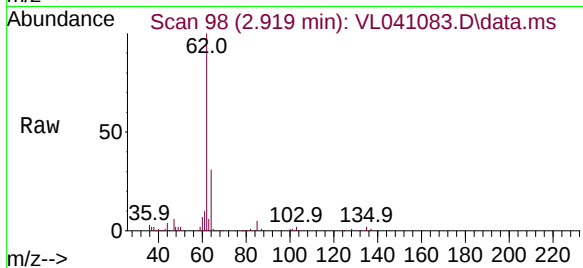
VSTDIC002

Tgt Ion: 62 Resp: 173983

Ion Ratio Lower Upper

62 100

64 31.0 26.5 39.7



#6

Bromomethane

Concen: 2.179 ppbv

RT: 3.121 min Scan# 161

Delta R.T. 0.003 min

Lab File: VL041083.D

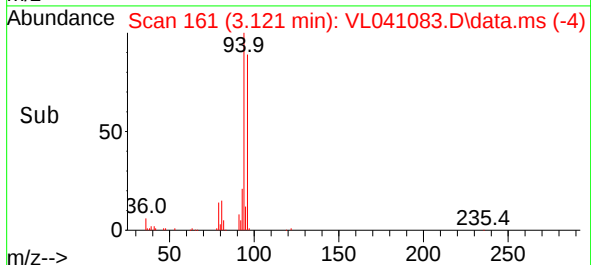
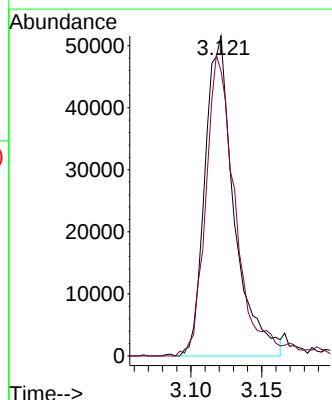
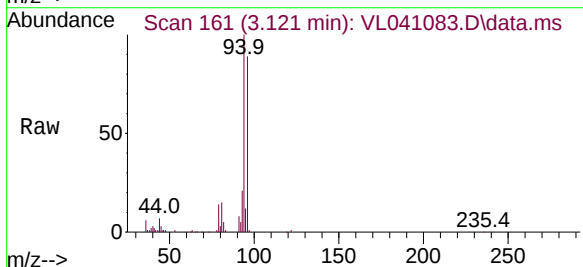
Acq: 11 Mar 2024 11:45

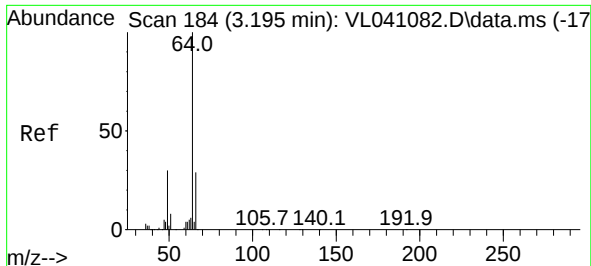
Tgt Ion: 94 Resp: 73584

Ion Ratio Lower Upper

94 100

96 87.5 76.0 114.0

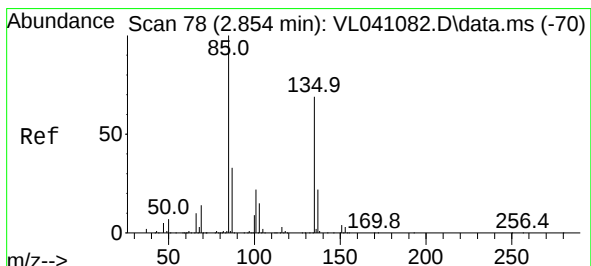
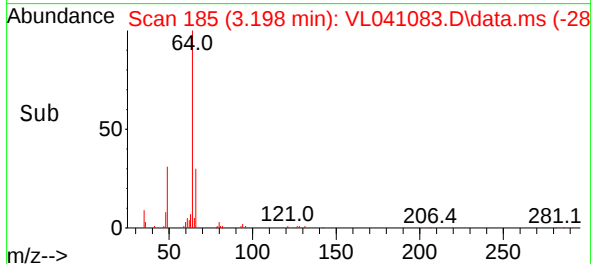
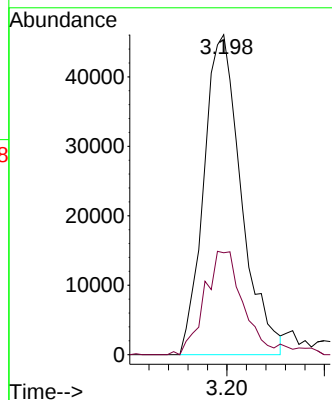
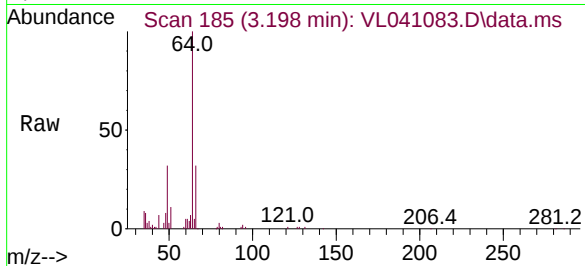




#7
Chloroethane
Concen: 2.052 ppbv
RT: 3.198 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL041083.D
Acq: 11 Mar 2024 11:45

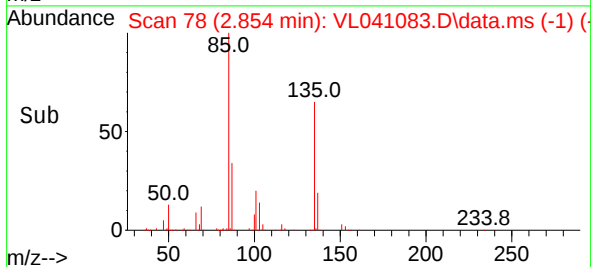
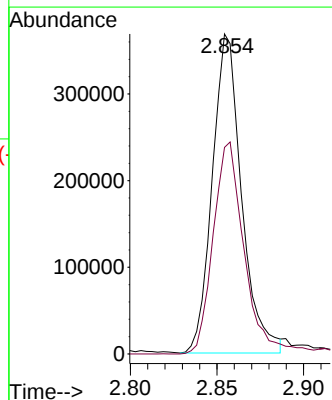
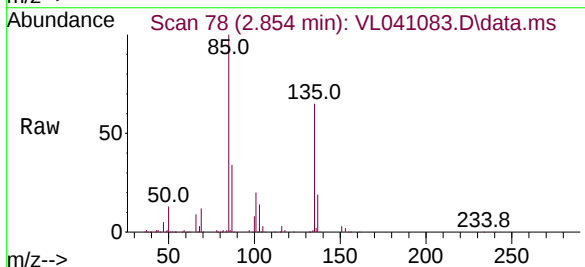
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

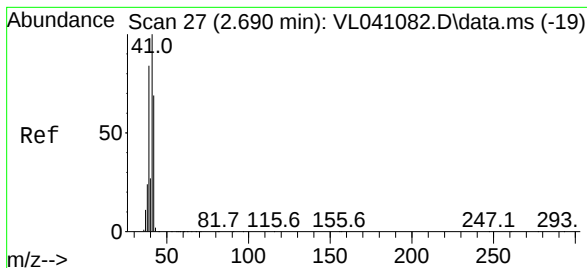
Tgt Ion: 64 Resp: 61514
Ion Ratio Lower Upper
64 100
66 31.9 23.2 34.8



#8
Dichlorotetrafluoroethane
Concen: 2.075 ppbv
RT: 2.854 min Scan# 78
Delta R.T. 0.000 min
Lab File: VL041083.D
Acq: 11 Mar 2024 11:45

Tgt Ion: 85 Resp: 432246
Ion Ratio Lower Upper
85 100
135 73.0 56.7 85.1





#9

Propene

Concen: 2.158 ppbv

RT: 2.690 min Scan# 21

Delta R.T. 0.000 min

Lab File: VL041083.D

Acq: 11 Mar 2024 11:45

Instrument :

MSVOA_L

ClientSampleId :

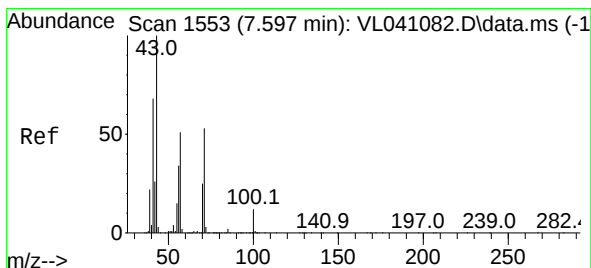
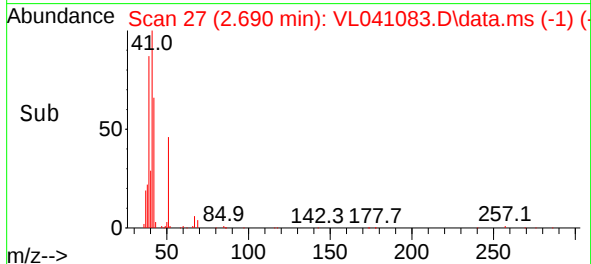
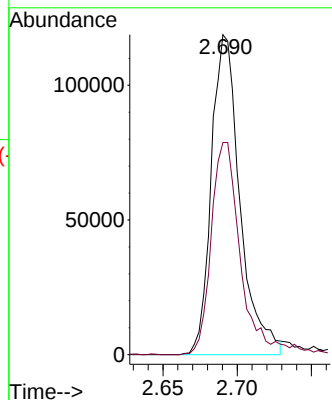
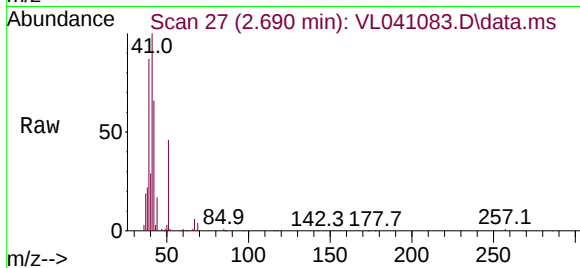
VSTDICC002

Tgt Ion: 41 Resp: 158946

Ion Ratio Lower Upper

41 100

42 69.4 55.9 83.9



#10

Heptane

Concen: 2.168 ppbv

RT: 7.594 min Scan# 1552

Delta R.T. -0.003 min

Lab File: VL041083.D

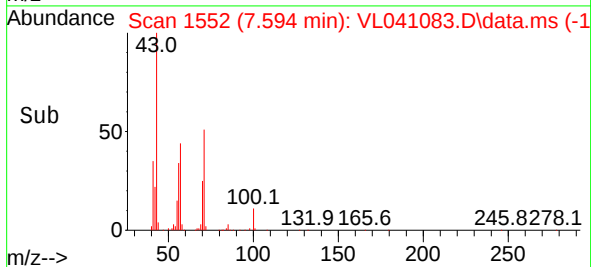
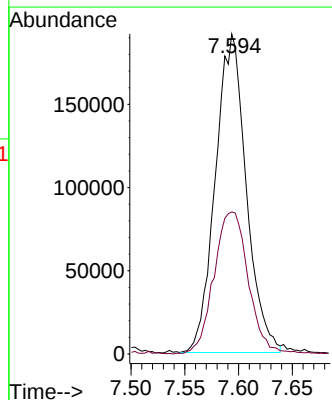
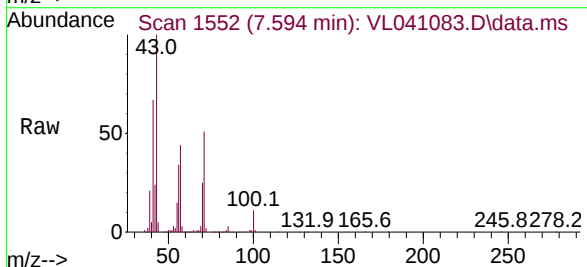
Acq: 11 Mar 2024 11:45

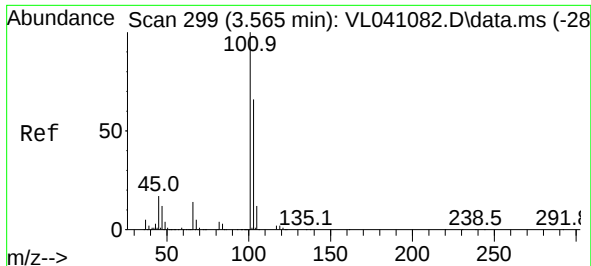
Tgt Ion: 43 Resp: 381965

Ion Ratio Lower Upper

43 100

57 49.2 41.0 61.6

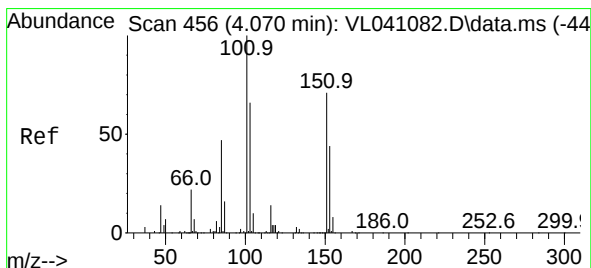
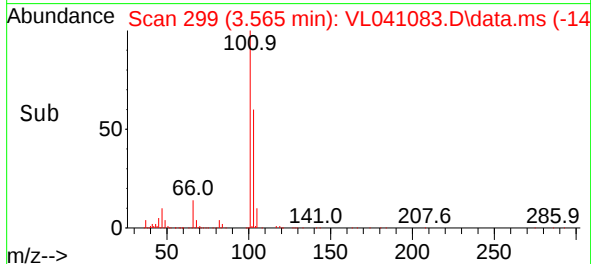
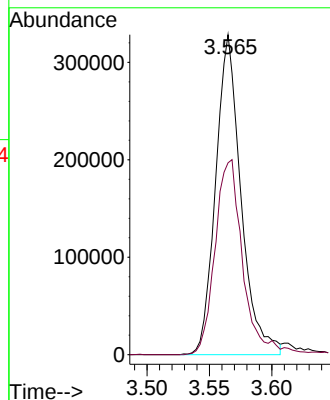
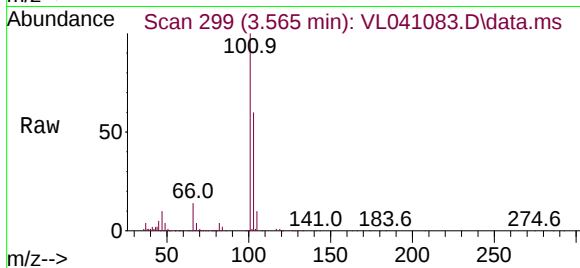




#11
 Trichlorofluoromethane
 Concen: 2.103 ppbv
 RT: 3.565 min Scan# 299
 Delta R.T. 0.000 min
 Lab File: VL041083.D
 Acq: 11 Mar 2024 11:45

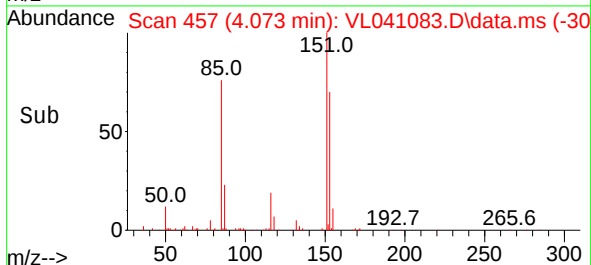
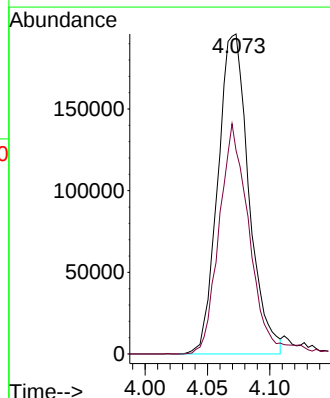
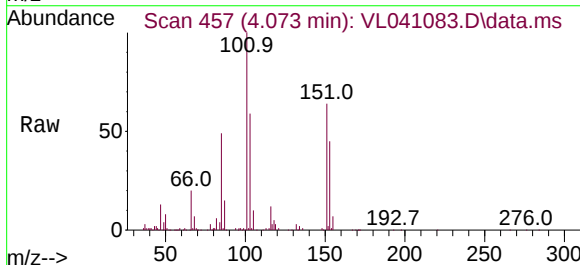
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC002

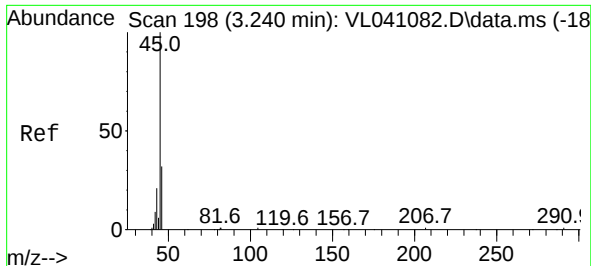
Tgt Ion:101 Resp: 465159
 Ion Ratio Lower Upper
 101 100
 103 60.0 53.0 79.4



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 2.085 ppbv
 RT: 4.073 min Scan# 457
 Delta R.T. 0.003 min
 Lab File: VL041083.D
 Acq: 11 Mar 2024 11:45

Tgt Ion:101 Resp: 339098
 Ion Ratio Lower Upper
 101 100
 151 71.3 55.8 83.8





#13

Ethanol

Concen: 2.169 ppbv

RT: 3.253 min Scan# 202

Delta R.T. 0.013 min

Lab File: VL041083.D

Acq: 11 Mar 2024 11:45

Instrument :

MSVOA_L

ClientSampleId :

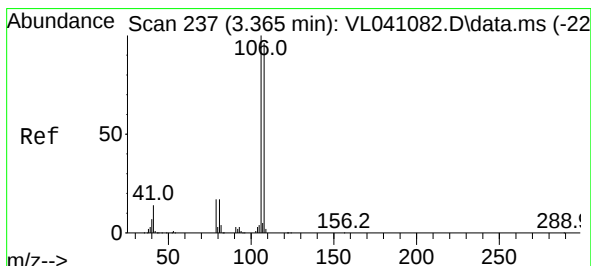
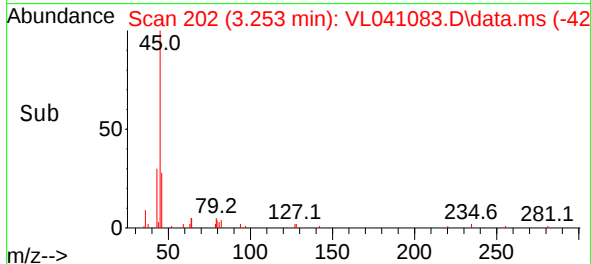
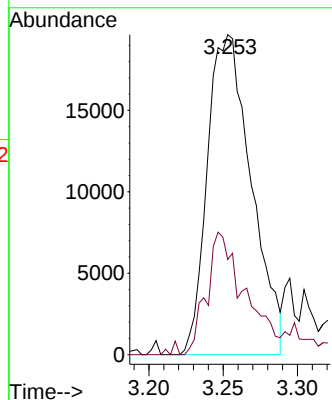
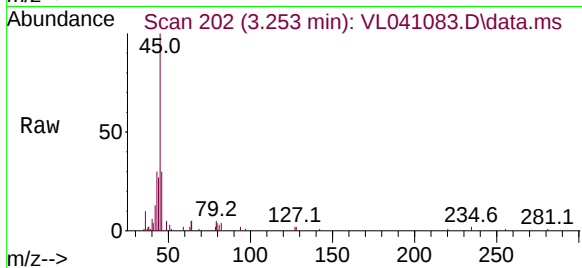
VSTDICC002

Tgt Ion: 45 Resp: 40423

Ion Ratio Lower Upper

45 100

46 41.5 14.6 58.2



#14

Bromoethene

Concen: 2.074 ppbv

RT: 3.366 min Scan# 237

Delta R.T. 0.000 min

Lab File: VL041083.D

Acq: 11 Mar 2024 11:45

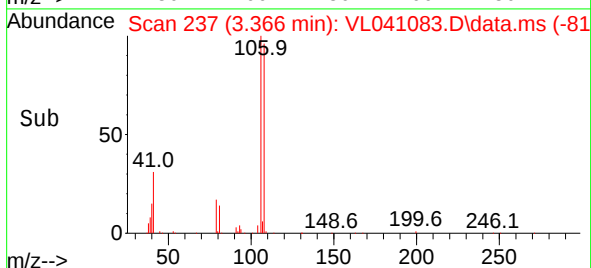
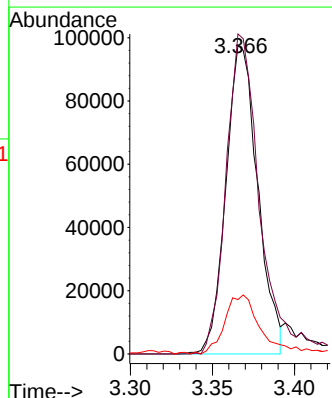
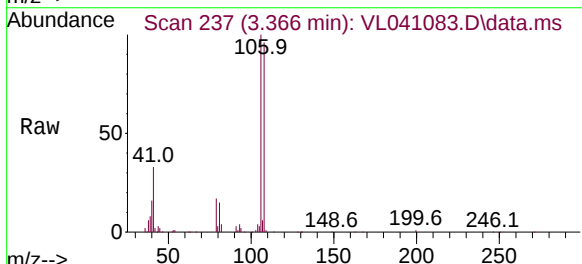
Tgt Ion: 108 Resp: 131520

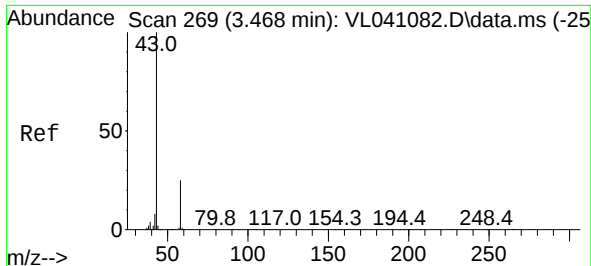
Ion Ratio Lower Upper

108 100

106 113.4 88.1 132.1

79 21.7 15.6 23.4





#15

Acetone

Concen: 2.309 ppbv

RT: 3.472 min Scan# 21

Delta R.T. 0.003 min

Lab File: VL041083.D

Acq: 11 Mar 2024 11:45

Instrument :

MSVOA_L

ClientSampleId :

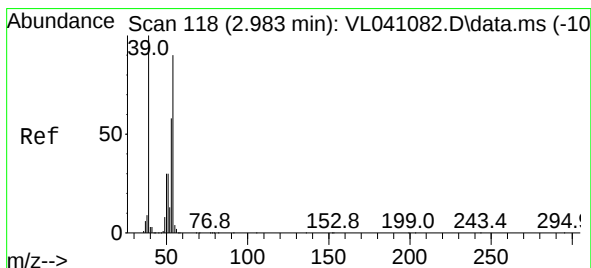
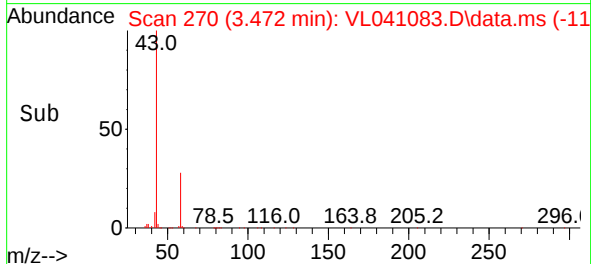
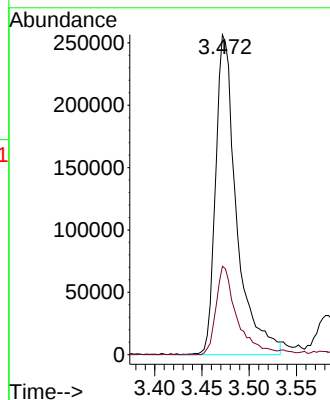
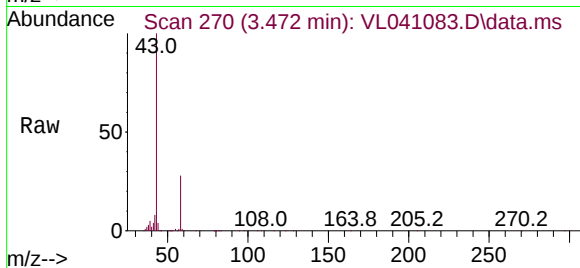
VSTDICC002

Tgt Ion: 43 Resp: 396079

Ion Ratio Lower Upper

43 100

58 28.7 21.7 32.5



#16

1,3-Butadiene

Concen: 1.485 ppbv

RT: 2.986 min Scan# 119

Delta R.T. 0.003 min

Lab File: VL041083.D

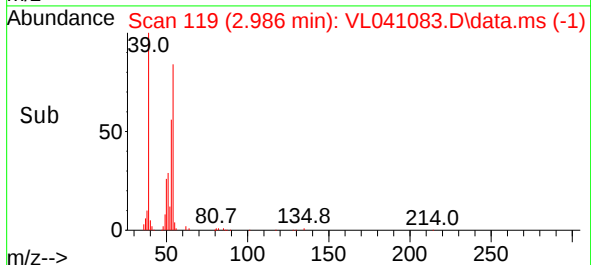
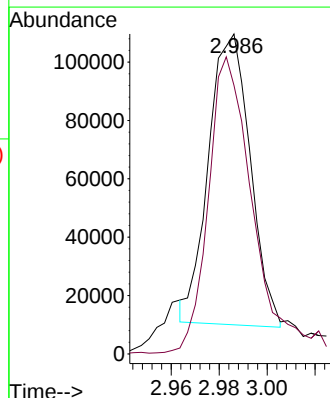
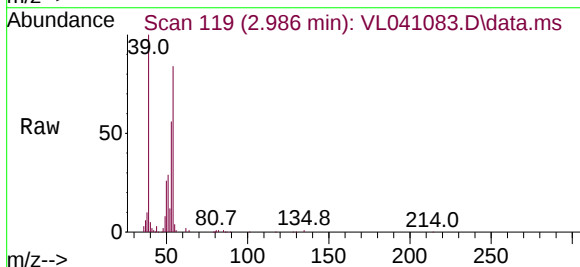
Acq: 11 Mar 2024 11:45

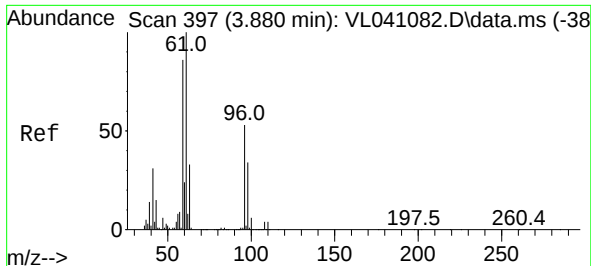
Tgt Ion: 39 Resp: 119900

Ion Ratio Lower Upper

39 100

54 115.9 64.0 96.0#

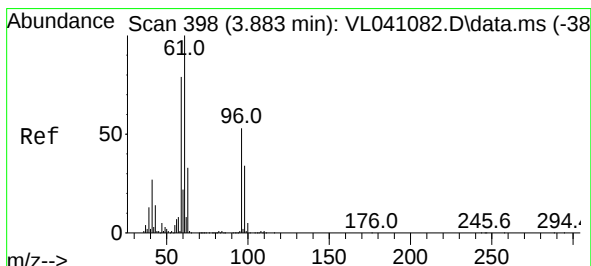
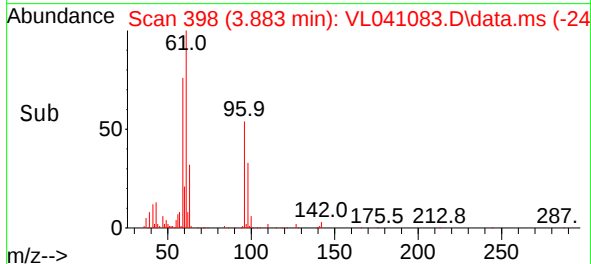
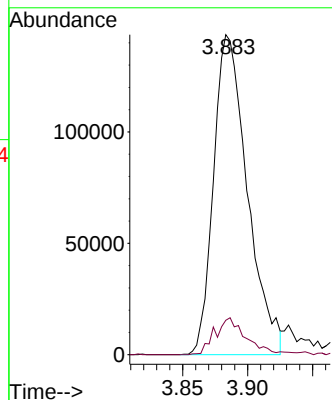
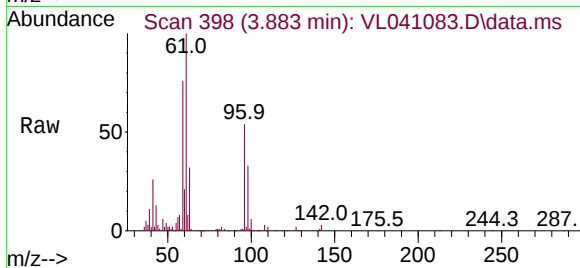




#17
tert-Butyl alcohol
Concen: 2.036 ppbv
RT: 3.883 min Scan# 397
Delta R.T. 0.003 min
Lab File: VL041083.D
Acq: 11 Mar 2024 11:45

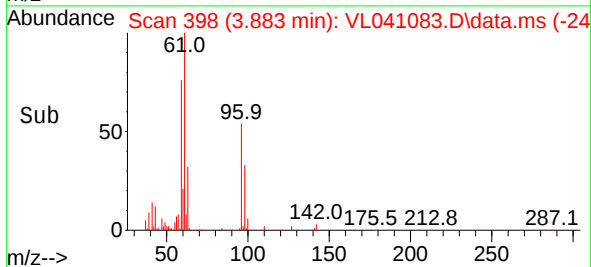
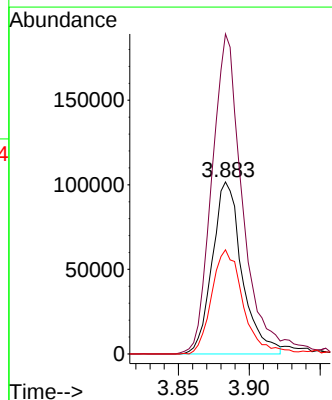
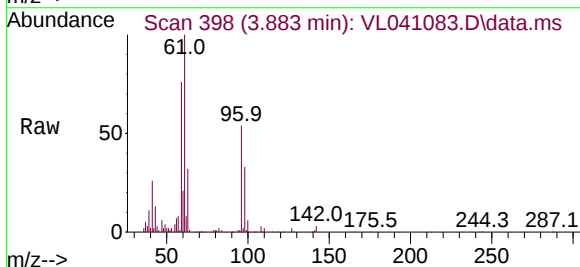
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

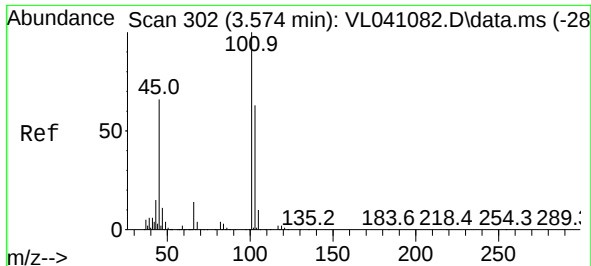
Tgt Ion: 59 Resp: 259629
Ion Ratio Lower Upper
59 100
57 11.2 9.0 13.6



#18
1,1-Dichloroethene
Concen: 2.074 ppbv
RT: 3.883 min Scan# 398
Delta R.T. 0.000 min
Lab File: VL041083.D
Acq: 11 Mar 2024 11:45

Tgt Ion: 96 Resp: 148534
Ion Ratio Lower Upper
96 100
61 185.4 150.2 225.2
98 60.6 50.7 76.1

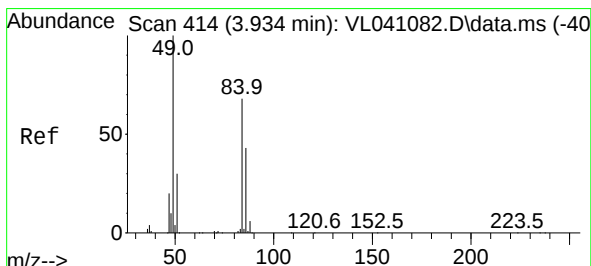
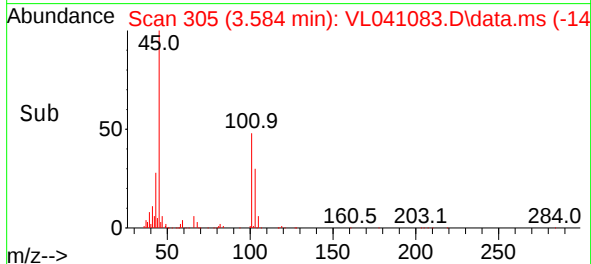
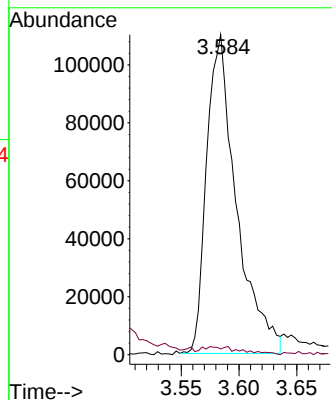
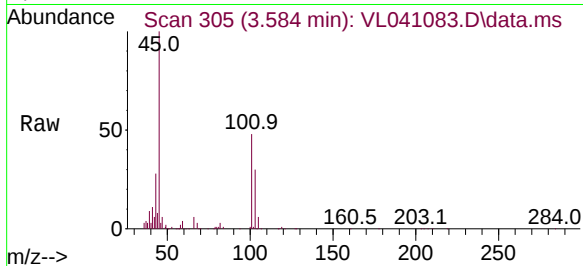




#19
Isopropyl Alcohol
Concen: 2.156 ppbv
RT: 3.584 min Scan# 302
Delta R.T. 0.010 min
Lab File: VL041083.D
Acq: 11 Mar 2024 11:45

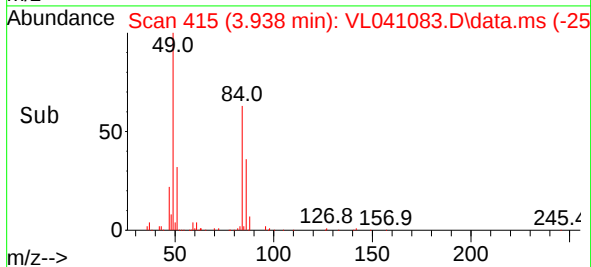
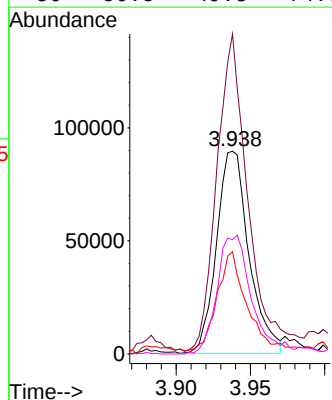
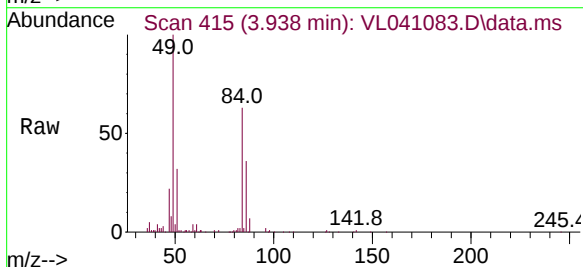
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

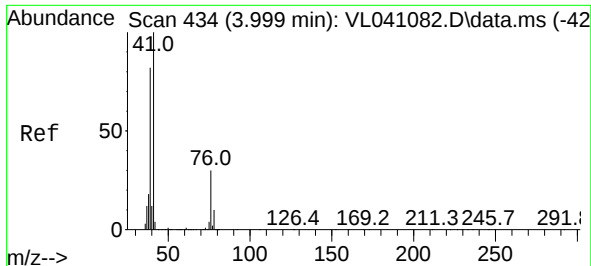
Tgt Ion: 45 Resp: 197545
Ion Ratio Lower Upper
45 100
58 2.7 2.2 3.4



#20
Methylene Chloride
Concen: 2.038 ppbv
RT: 3.938 min Scan# 415
Delta R.T. 0.003 min
Lab File: VL041083.D
Acq: 11 Mar 2024 11:45

Tgt Ion: 84 Resp: 136280
Ion Ratio Lower Upper
84 100
49 155.8 117.0 175.6
51 48.2 34.9 52.3
86 56.5 49.8 74.6





#21

Allyl Chloride

Concen: 2.078 ppbv

RT: 3.999 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL041083.D

Acq: 11 Mar 2024 11:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

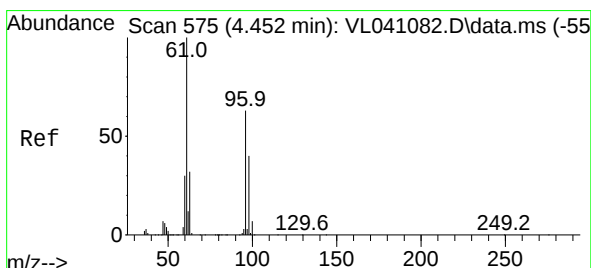
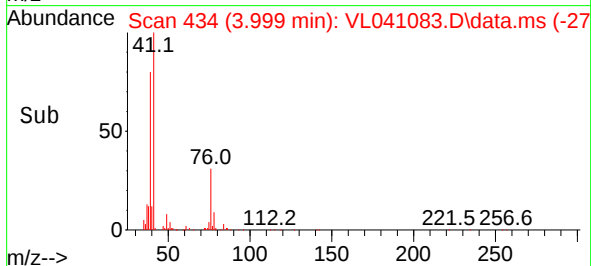
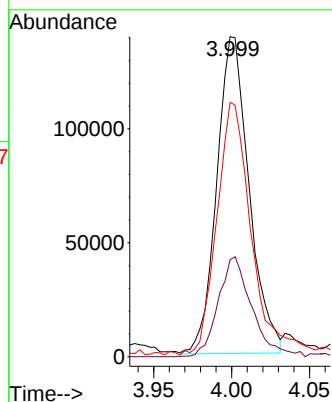
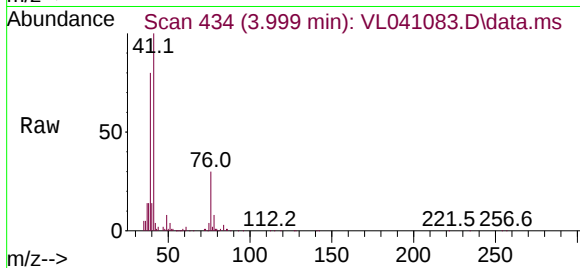
Tgt Ion: 41 Resp: 201357

Ion Ratio Lower Upper

41 100

76 32.5 25.5 38.3

39 87.0 67.4 101.2



#22

trans-1,2-Dichloroethene

Concen: 2.231 ppbv

RT: 4.452 min Scan# 575

Delta R.T. 0.000 min

Lab File: VL041083.D

Acq: 11 Mar 2024 11:45

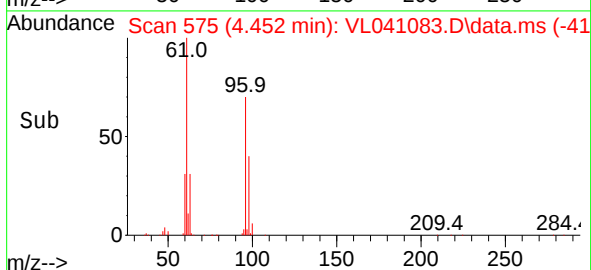
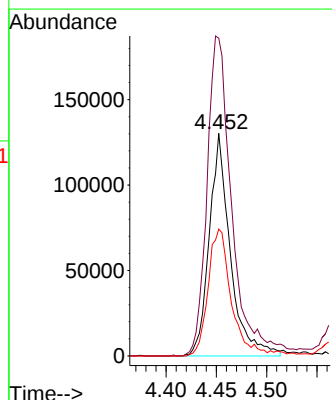
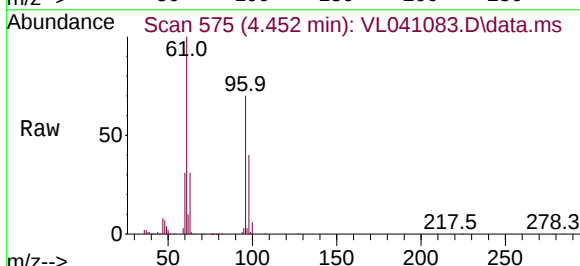
Tgt Ion: 96 Resp: 190222

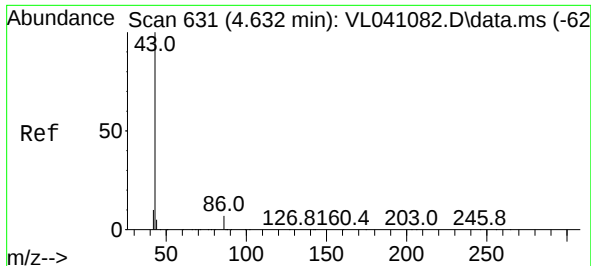
Ion Ratio Lower Upper

96 100

61 142.8 126.7 190.1

98 57.0 50.1 75.1

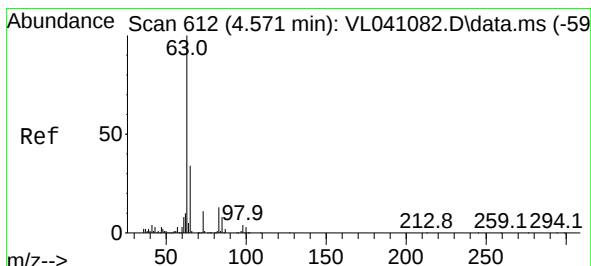
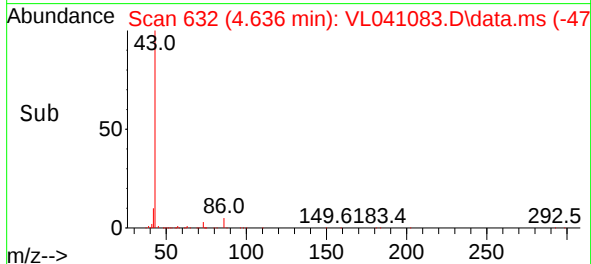
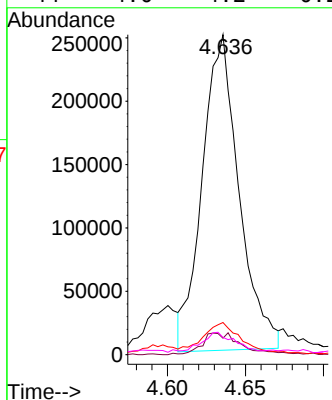
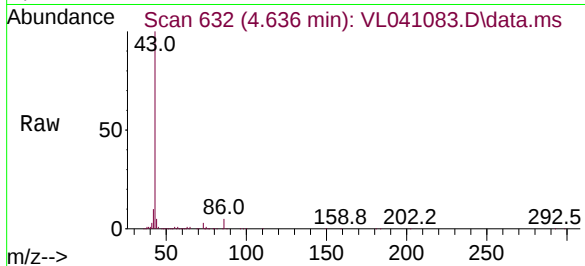




#23
 Vinyl Acetate
 Concen: 2.146 ppbv
 RT: 4.636 min Scan# 611
 Delta R.T. 0.003 min
 Lab File: VL041083.D
 Acq: 11 Mar 2024 11:45

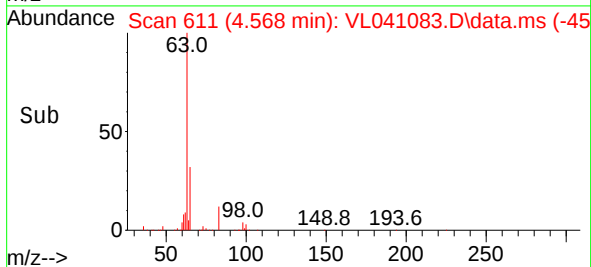
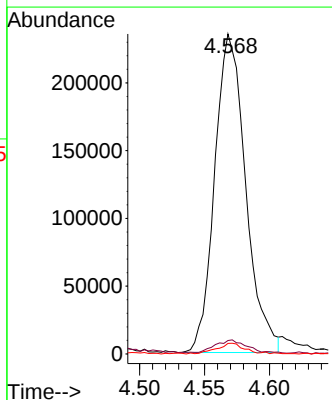
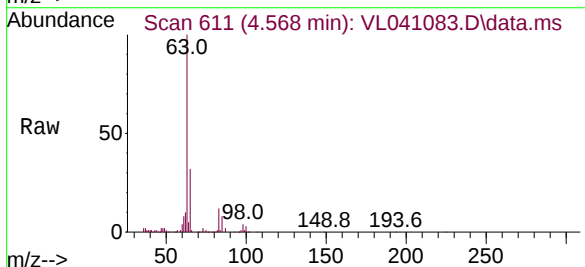
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC002

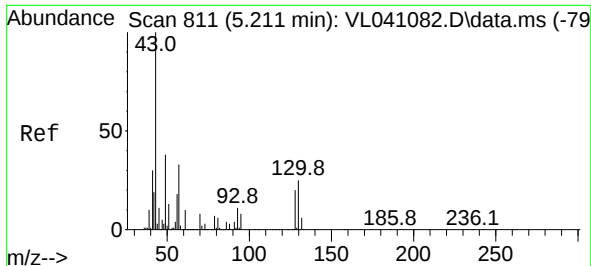
Tgt Ion: 43 Resp: 408723
 Ion Ratio Lower Upper
 43 100
 86 5.3 5.4 8.2#
 42 9.7 8.0 12.0
 44 4.6 4.2 6.2



#24
 1,1-Dichloroethane
 Concen: 2.225 ppbv
 RT: 4.568 min Scan# 611
 Delta R.T. -0.003 min
 Lab File: VL041083.D
 Acq: 11 Mar 2024 11:45

Tgt Ion: 63 Resp: 390249
 Ion Ratio Lower Upper
 63 100
 98 3.7 2.1 6.5
 100 3.1 1.4 4.2





#25

Ethyl Acetate

Concen: 2.136 ppbv

RT: 5.214 min Scan# 811

Delta R.T. 0.003 min

Lab File: VL041083.D

Acq: 11 Mar 2024 11:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tgt Ion: 43 Resp: 660134

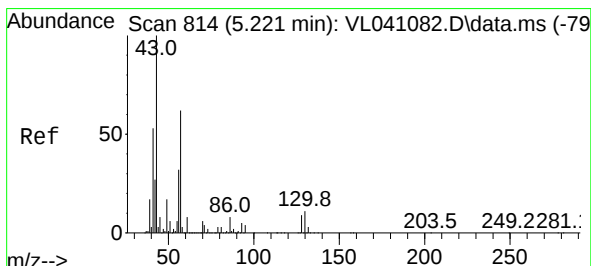
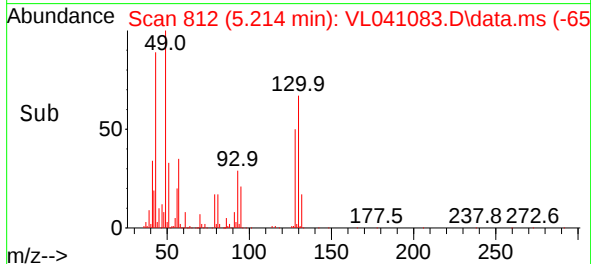
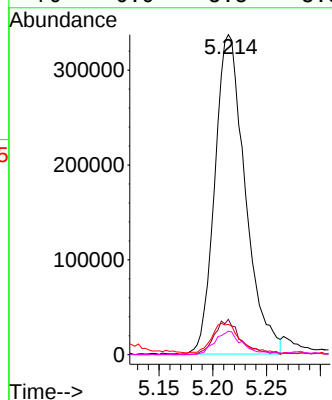
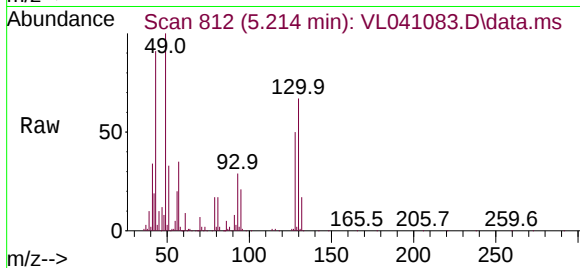
Ion Ratio Lower Upper

43 100

45 10.2 8.2 12.2

61 10.1 8.2 12.2

70 6.9 5.5 8.3



#26

Hexane

Concen: 2.112 ppbv

RT: 5.221 min Scan# 814

Delta R.T. 0.000 min

Lab File: VL041083.D

Acq: 11 Mar 2024 11:45

Tgt Ion: 57 Resp: 292777

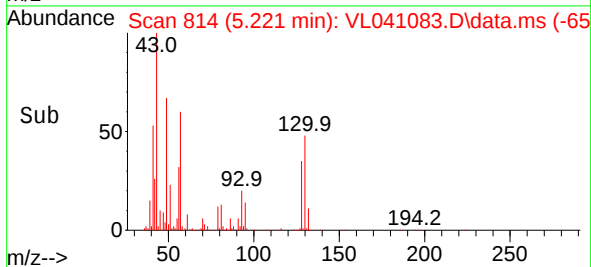
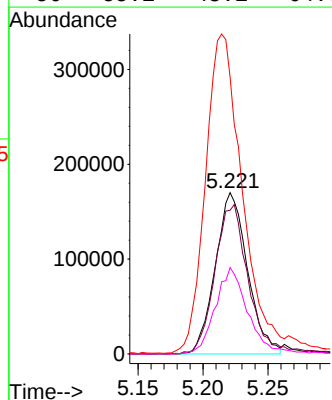
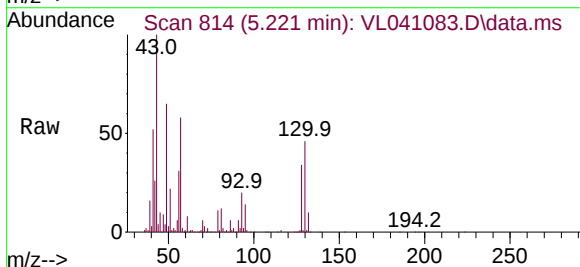
Ion Ratio Lower Upper

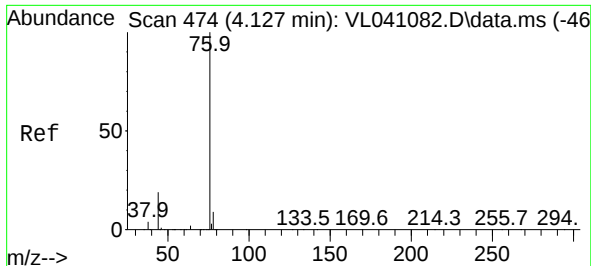
57 100

41 98.8 73.8 110.6

43 235.5 184.2 276.2

56 55.1 43.1 64.7

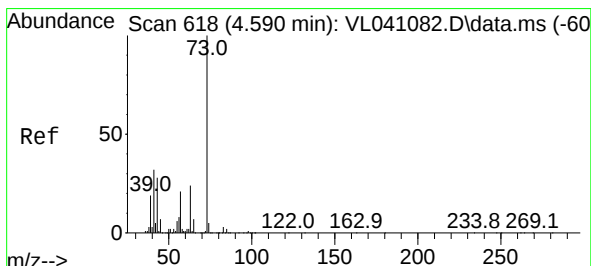
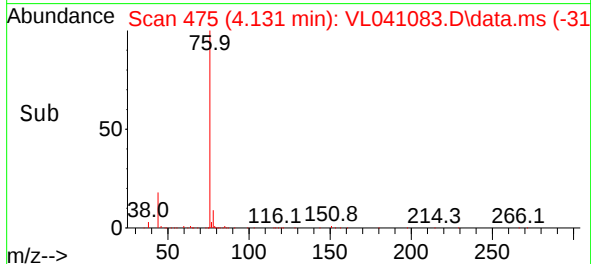
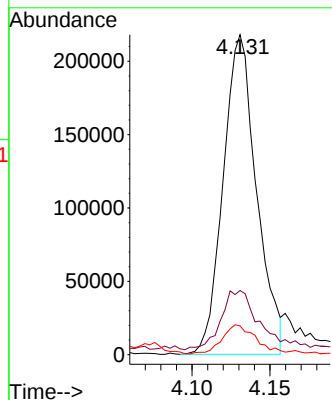
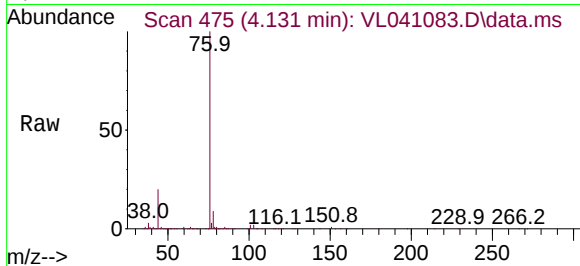




#27
Carbon Disulfide
Concen: 1.957 ppbv
RT: 4.131 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL041083.D
Acq: 11 Mar 2024 11:45

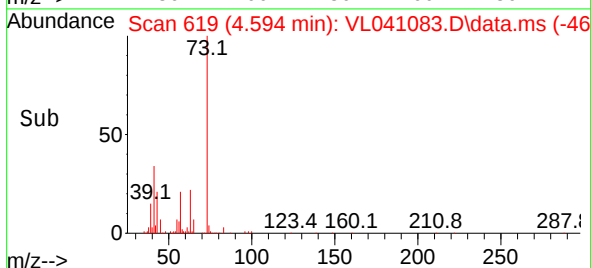
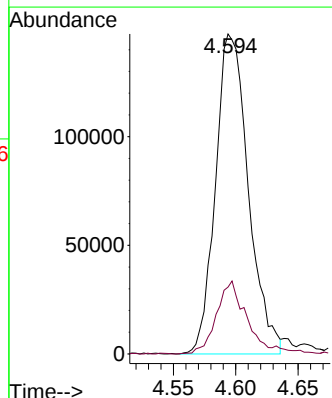
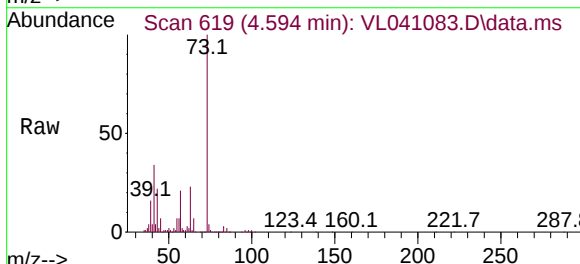
Instrument :
MSVOA_1
ClientSampleId :
VSTDICC002

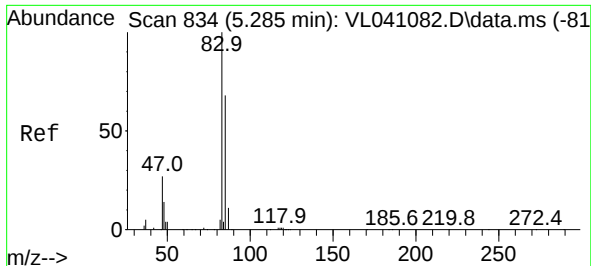
Tgt Ion: 76 Resp: 324081
Ion Ratio Lower Upper
76 100
44 25.5 16.0 24.0#
78 11.2 7.5 11.3



#28
Methyl tert-Butyl Ether
Concen: 2.213 ppbv
RT: 4.594 min Scan# 619
Delta R.T. 0.003 min
Lab File: VL041083.D
Acq: 11 Mar 2024 11:45

Tgt Ion: 73 Resp: 270307
Ion Ratio Lower Upper
73 100
57 22.0 18.2 27.4





#29

Chloroform

Concen: 2.124 ppbv

RT: 5.282 min Scan# 834

Delta R.T. -0.003 min

Lab File: VL041083.D

Acq: 11 Mar 2024 11:45

Instrument :

MSVOA_L

ClientSampleId :

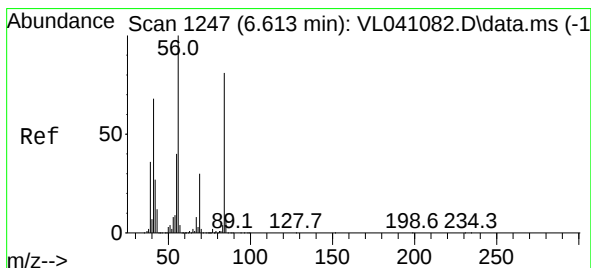
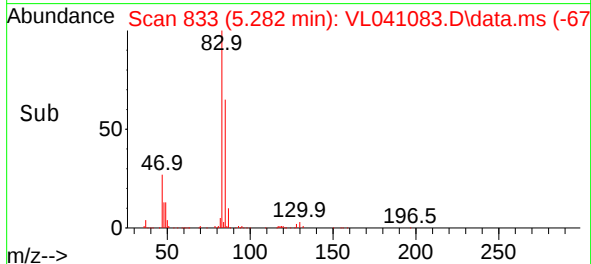
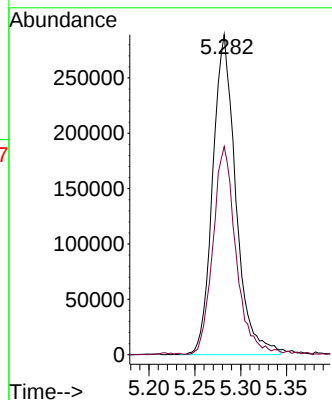
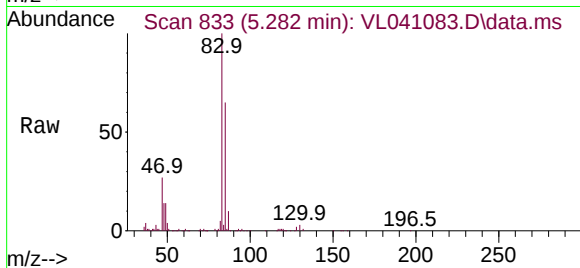
VSTDIC002

Tgt Ion: 83 Resp: 506292

Ion Ratio Lower Upper

83 100

85 64.6 54.6 82.0



#30

Cyclohexane

Concen: 2.090 ppbv

RT: 6.613 min Scan# 1247

Delta R.T. 0.000 min

Lab File: VL041083.D

Acq: 11 Mar 2024 11:45

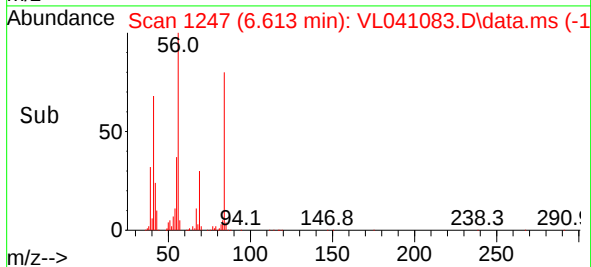
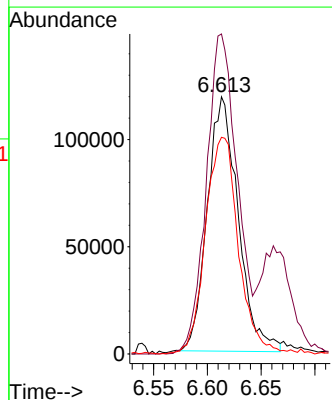
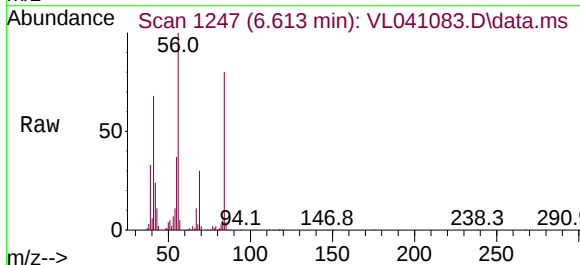
Tgt Ion: 84 Resp: 237108

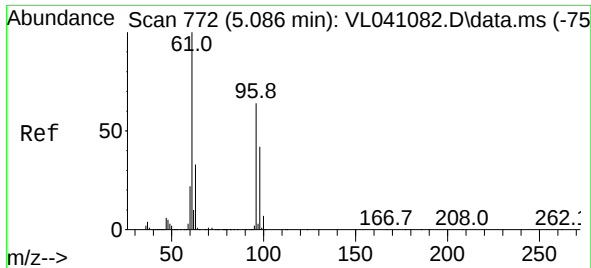
Ion Ratio Lower Upper

84 100

56 130.6 110.4 165.6

41 91.7 70.6 105.8

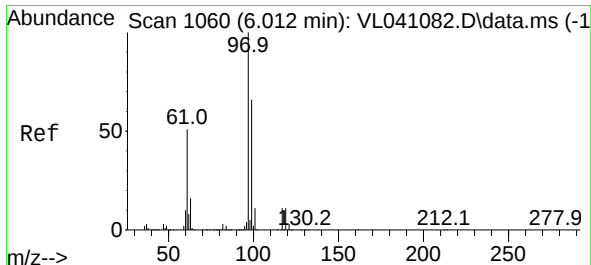
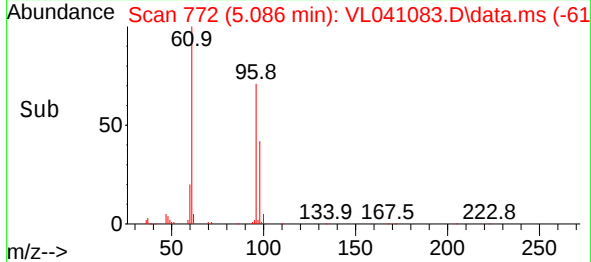
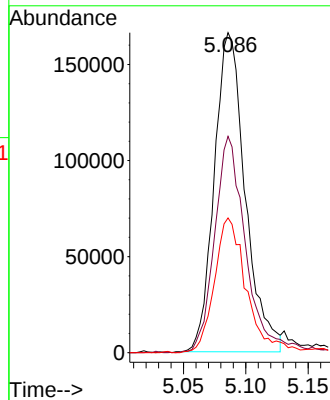
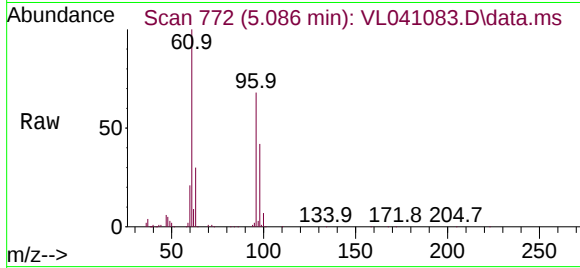




#31
 cis-1,2-Dichloroethene
 Concen: 2.136 ppbv
 RT: 5.086 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VL041083.D
 Acq: 11 Mar 2024 11:45

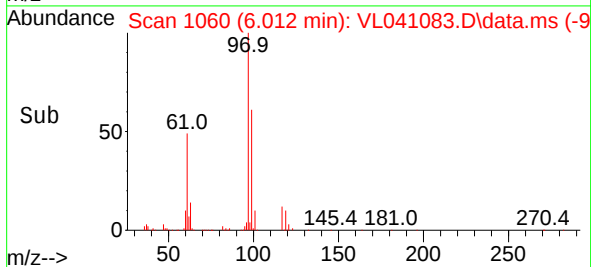
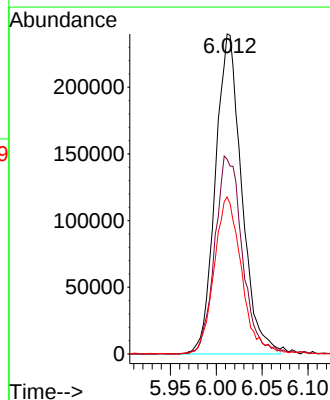
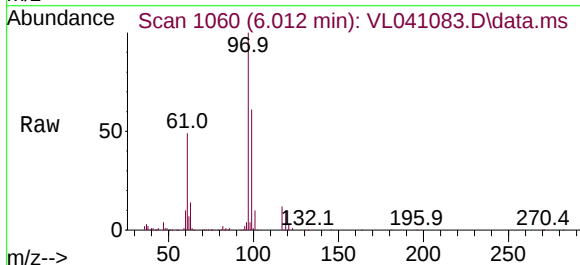
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

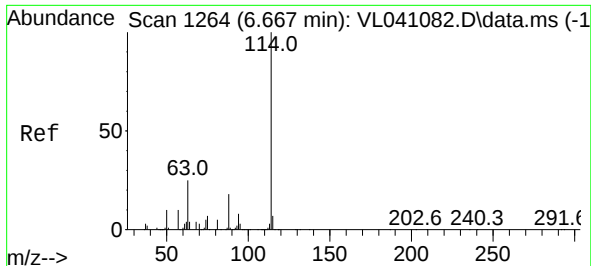
Tgt Ion: 61 Resp: 286855
 Ion Ratio Lower Upper
 61 100
 96 67.6 51.2 76.8
 98 42.2 33.4 50.0



#32
 1,1,1-Trichloroethane
 Concen: 2.242 ppbv
 RT: 6.012 min Scan# 1060
 Delta R.T. 0.000 min
 Lab File: VL041083.D
 Acq: 11 Mar 2024 11:45

Tgt Ion: 97 Resp: 478832
 Ion Ratio Lower Upper
 97 100
 99 65.1 52.4 78.6
 61 51.5 40.4 60.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.664 min Scan# 11

Delta R.T. -0.003 min

Lab File: VL041083.D

Acq: 11 Mar 2024 11:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

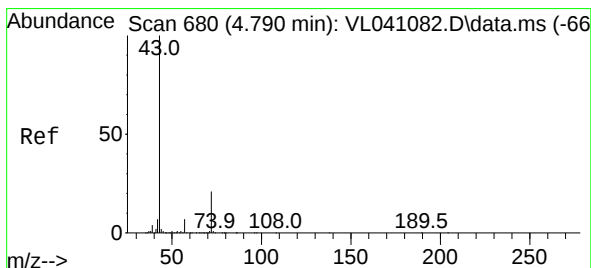
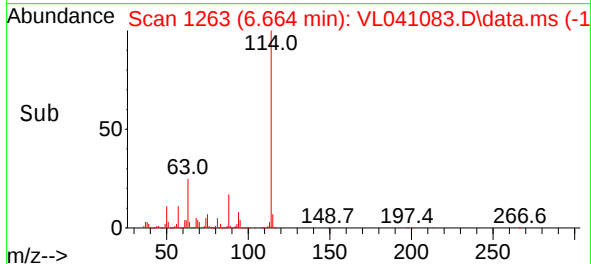
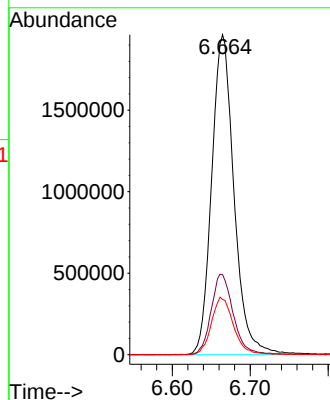
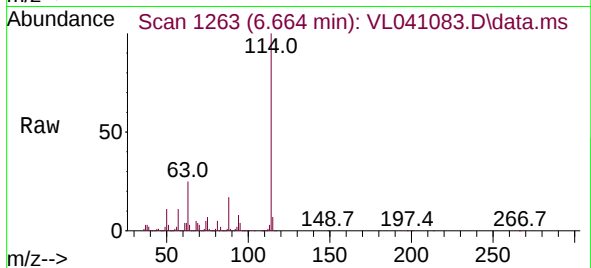
Tgt Ion:114 Resp: 3896914

Ion Ratio Lower Upper

114 100

63 25.3 21.0 31.6

88 17.9 14.6 22.0



#34

2-Butanone

Concen: 2.081 ppbv

RT: 4.793 min Scan# 681

Delta R.T. 0.003 min

Lab File: VL041083.D

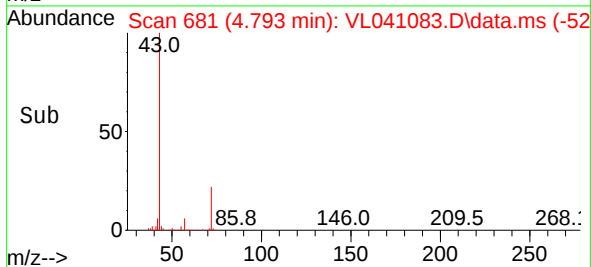
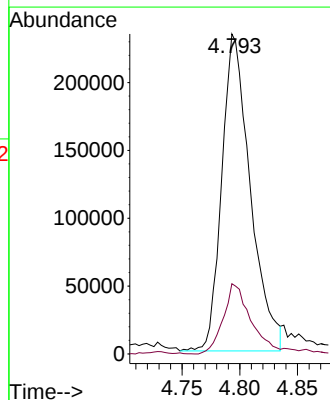
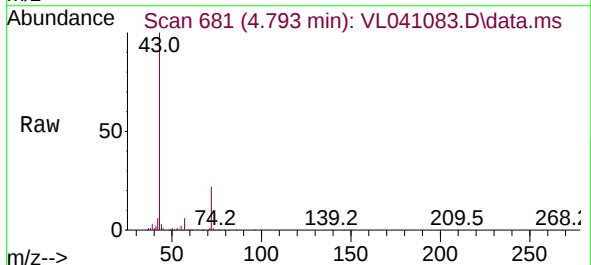
Acq: 11 Mar 2024 11:45

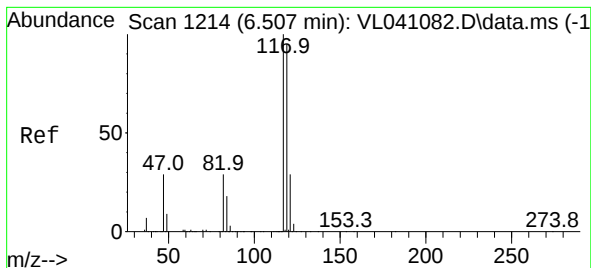
Tgt Ion: 43 Resp: 402543

Ion Ratio Lower Upper

43 100

72 23.0 17.4 26.0





#35

Carbon Tetrachloride

Concen: 2.206 ppbv

RT: 6.507 min Scan# 117

Delta R.T. 0.000 min

Lab File: VL041083.D

Acq: 11 Mar 2024 11:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

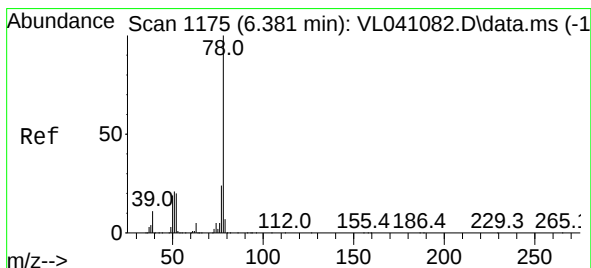
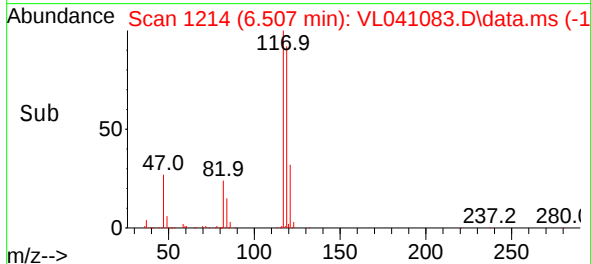
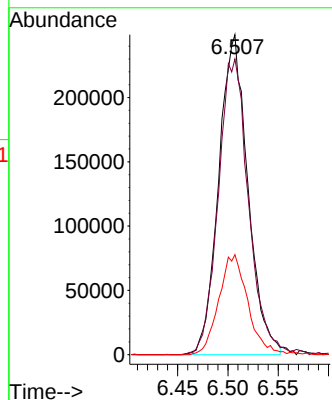
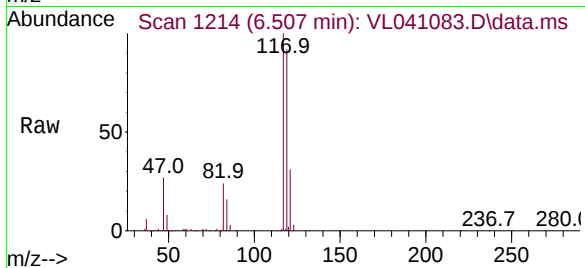
Tgt Ion:117 Resp: 500457

Ion Ratio Lower Upper

117 100

119 92.4 75.6 113.4

121 31.2 23.4 35.2



#36

Benzene

Concen: 2.127 ppbv

RT: 6.381 min Scan# 1175

Delta R.T. 0.000 min

Lab File: VL041083.D

Acq: 11 Mar 2024 11:45

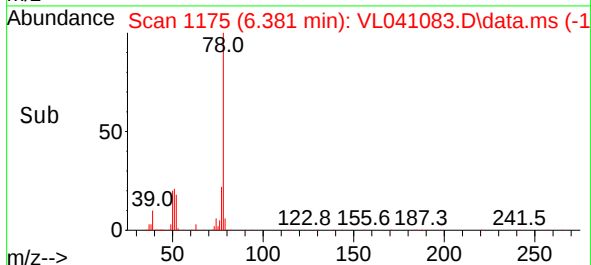
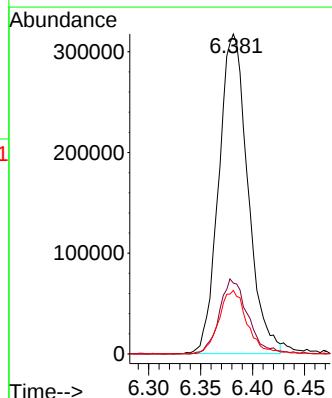
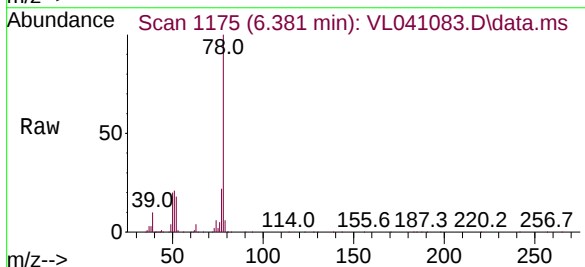
Tgt Ion: 78 Resp: 617086

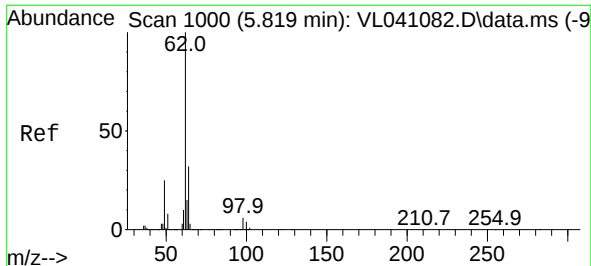
Ion Ratio Lower Upper

78 100

77 22.1 18.8 28.2

50 19.9 15.5 23.3

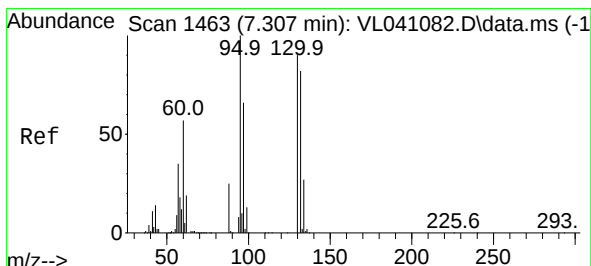
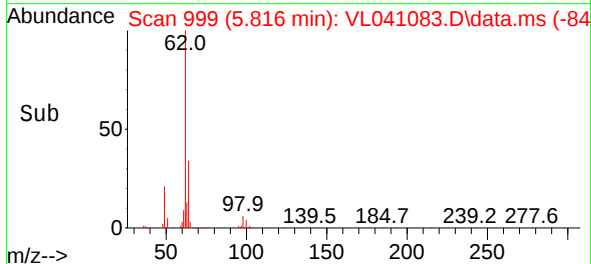
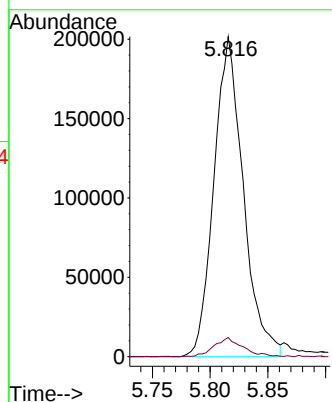
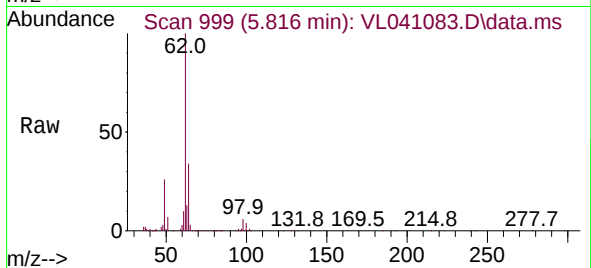




#37
1,2-Dichloroethane
Concen: 2.041 ppbv
RT: 5.816 min Scan# 999
Delta R.T. -0.003 min
Lab File: VL041083.D
Acq: 11 Mar 2024 11:45

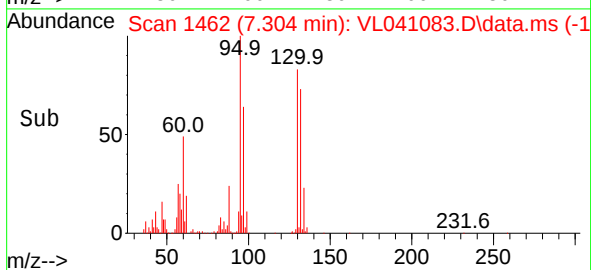
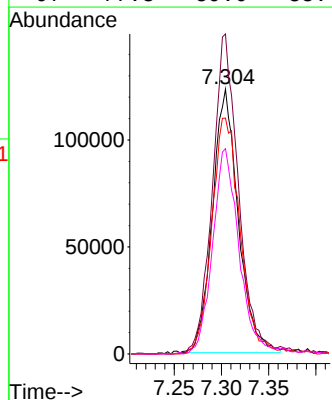
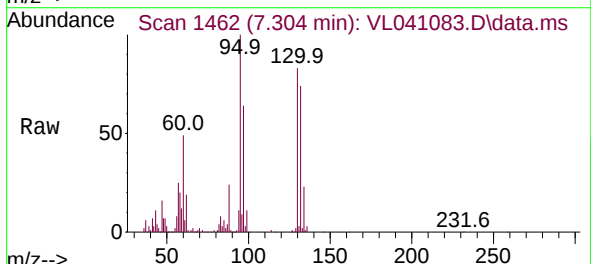
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

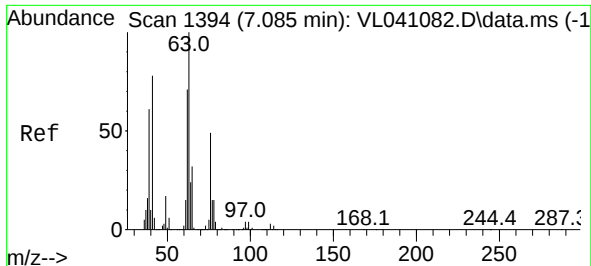
Tgt Ion: 62 Resp: 356161
Ion Ratio Lower Upper
62 100
98 6.1 4.6 6.8



#38
Trichloroethene
Concen: 2.165 ppbv
RT: 7.304 min Scan# 1462
Delta R.T. -0.003 min
Lab File: VL041083.D
Acq: 11 Mar 2024 11:45

Tgt Ion:130 Resp: 234502
Ion Ratio Lower Upper
130 100
95 121.1 88.8 133.2
132 89.5 73.0 109.4
97 77.3 59.0 88.4





#39

1,2-Dichloropropane

Concen: 2.102 ppbv

RT: 7.082 min Scan# 1463

Delta R.T. -0.003 min

Lab File: VL041083.D

Acq: 11 Mar 2024 11:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

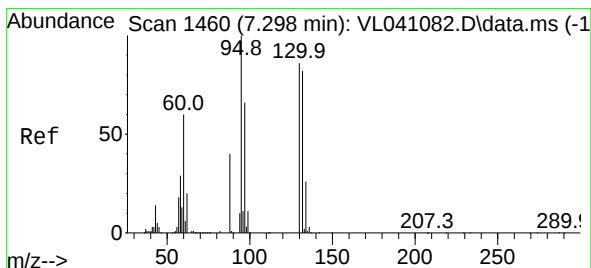
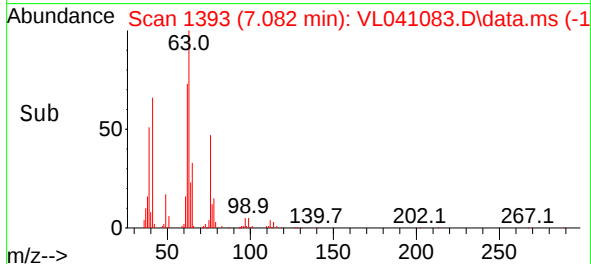
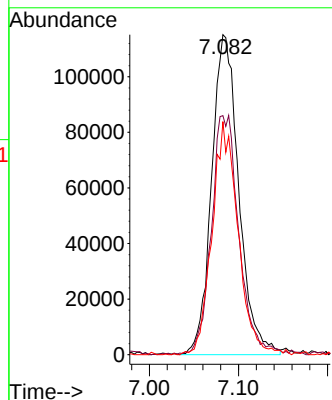
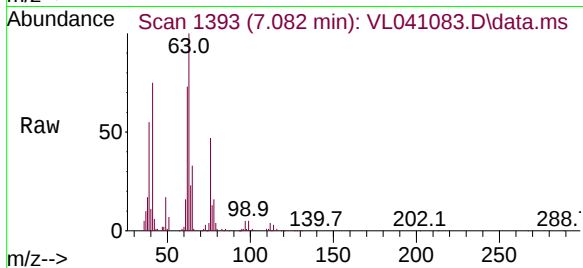
Tgt Ion: 63 Resp: 243788

Ion Ratio Lower Upper

63 100

41 74.2 62.2 93.4

62 72.9 57.0 85.4



#40

1,4-Dioxane

Concen: 2.031 ppbv

RT: 7.308 min Scan# 1463

Delta R.T. 0.010 min

Lab File: VL041083.D

Acq: 11 Mar 2024 11:45

Tgt Ion: 88 Resp: 92883

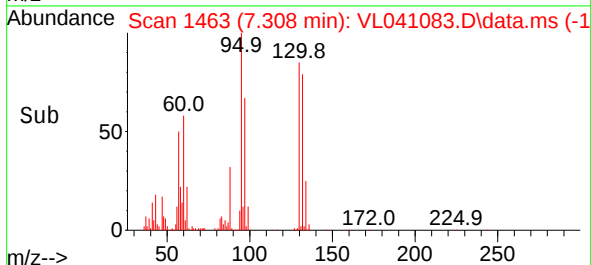
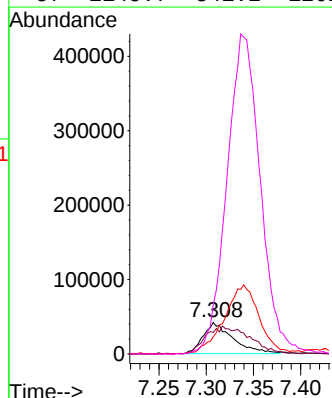
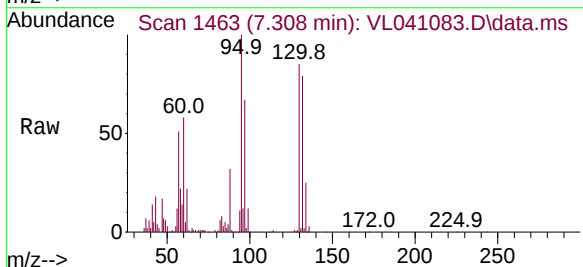
Ion Ratio Lower Upper

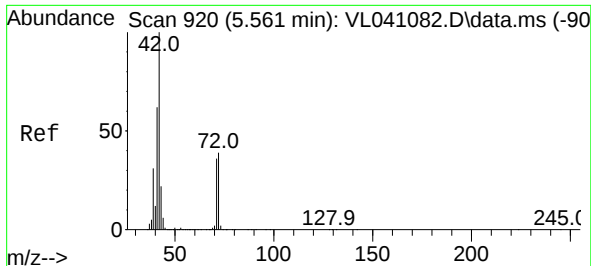
88 100

58 131.5 96.3 144.5

43 259.9 195.7 293.5

57 1145.7 841.2 1261.8





#41

Tetrahydrofuran

Concen: 2.008 ppbv

RT: 5.571 min Scan# 91

Delta R.T. 0.010 min

Lab File: VL041083.D

Acq: 11 Mar 2024 11:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

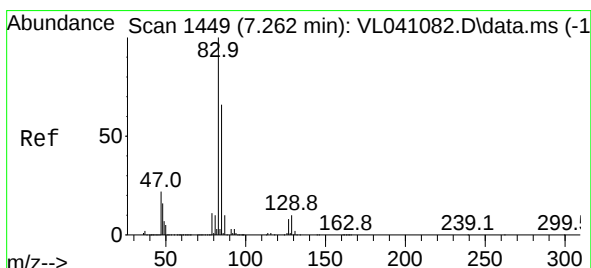
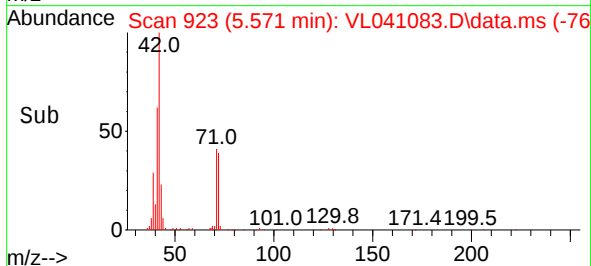
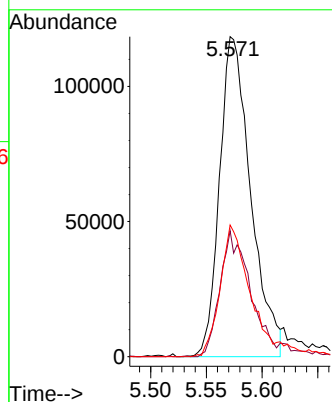
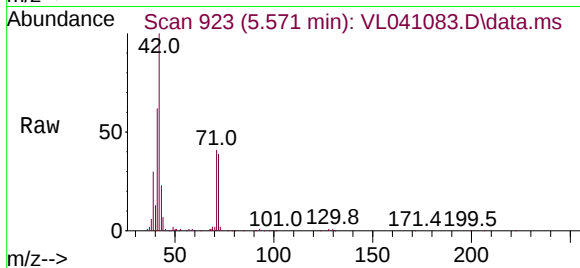
Tgt Ion: 42 Resp: 230487

Ion Ratio Lower Upper

42 100

72 41.5 30.7 46.1

71 42.3 29.6 44.4



#42

Bromodichloromethane

Concen: 2.137 ppbv

RT: 7.262 min Scan# 1449

Delta R.T. 0.000 min

Lab File: VL041083.D

Acq: 11 Mar 2024 11:45

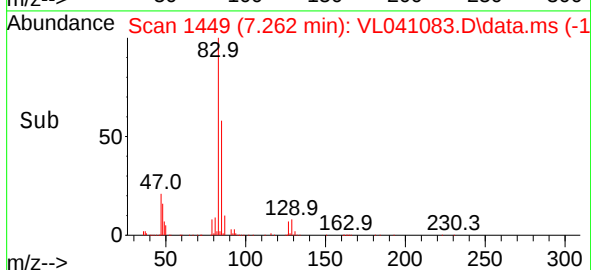
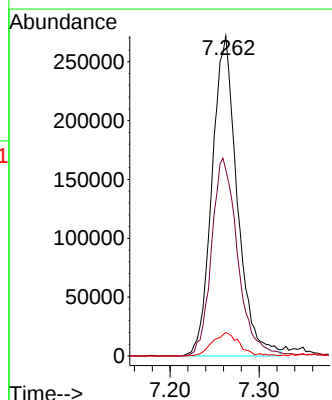
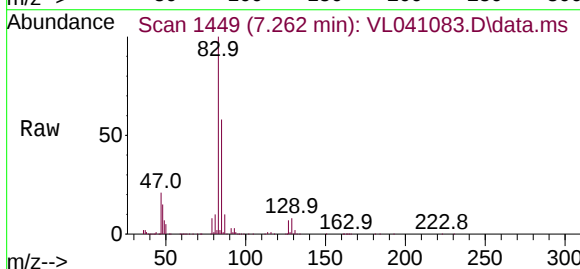
Tgt Ion: 83 Resp: 534289

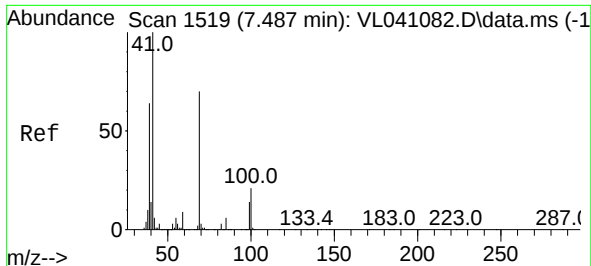
Ion Ratio Lower Upper

83 100

85 58.2 53.1 79.7

127 7.3 6.2 9.4





#43

Methyl Methacrylate

Concen: 2.096 ppbv

RT: 7.491 min Scan# 1472

Delta R.T. 0.003 min

Lab File: VL041083.D

Acq: 11 Mar 2024 11:45

Instrument :

MSVOA_1

ClientSampleId :

VSTDICC002

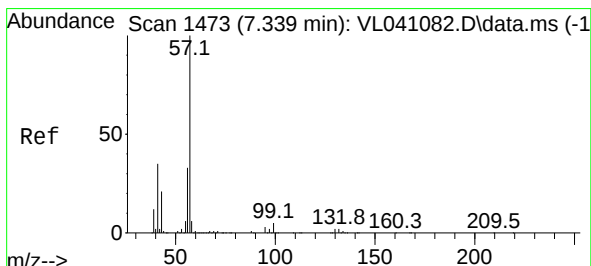
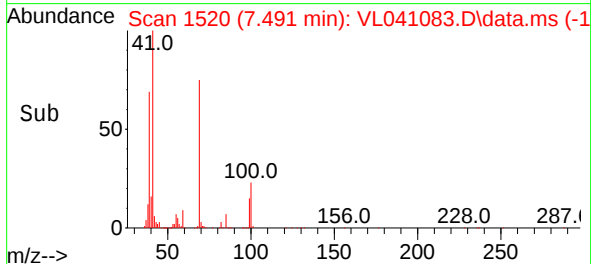
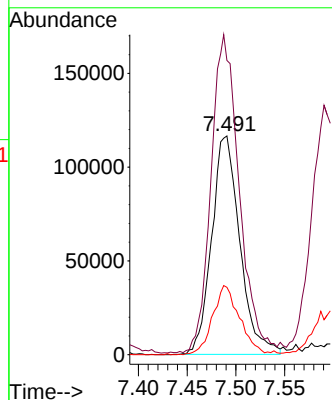
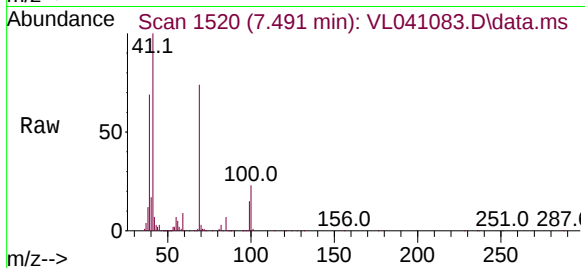
Tgt Ion: 69 Resp: 234853

Ion Ratio Lower Upper

69 100

41 147.7 118.2 177.4

100 30.6 24.8 37.2



#44

2,2,4-Trimethylpentane

Concen: 2.186 ppbv

RT: 7.336 min Scan# 1472

Delta R.T. -0.003 min

Lab File: VL041083.D

Acq: 11 Mar 2024 11:45

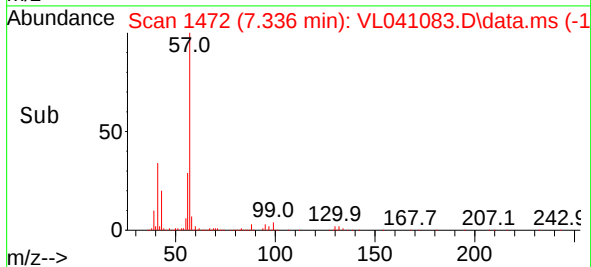
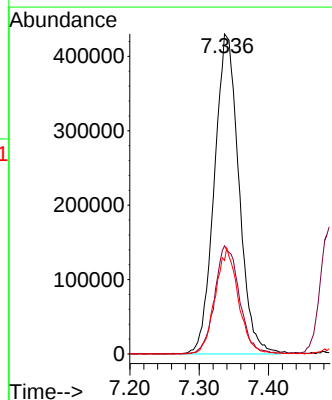
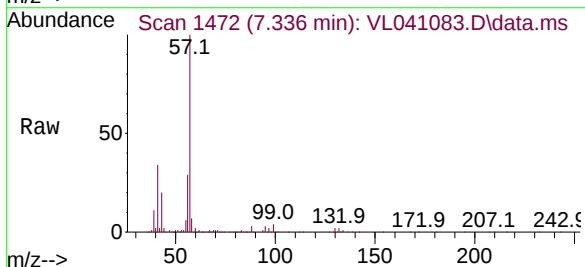
Tgt Ion: 57 Resp: 1059580

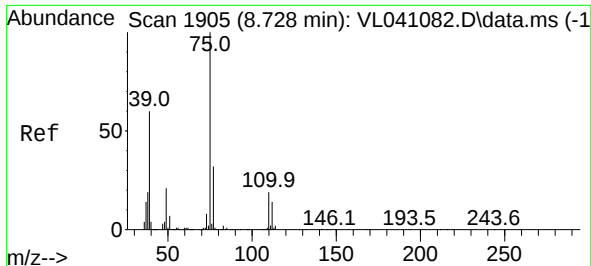
Ion Ratio Lower Upper

57 100

41 34.0 28.0 42.0

56 31.4 25.7 38.5





#45

t-1,3-Dichloropropene

Concen: 1.988 ppbv

RT: 8.722 min Scan# 1905

Delta R.T. -0.006 min

Lab File: VL041083.D

Acq: 11 Mar 2024 11:45

Instrument :

MSVOA_L

ClientSampleId :

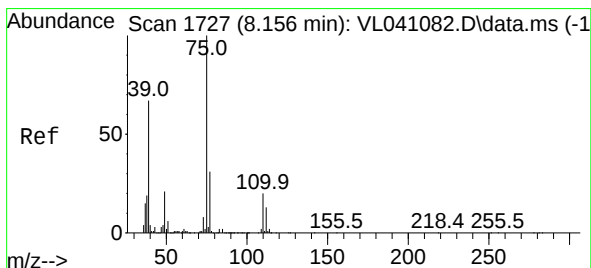
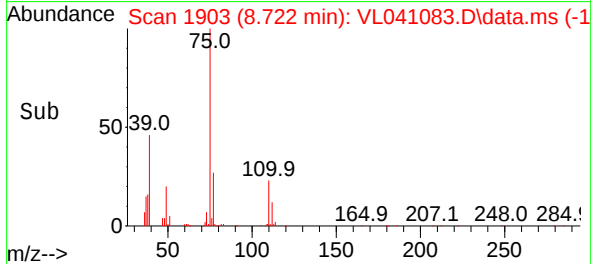
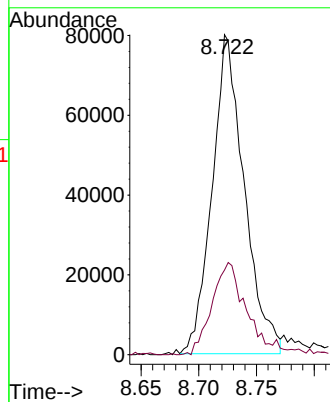
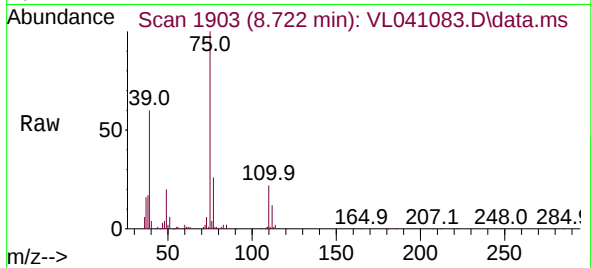
VSTDICC002

Tgt Ion: 75 Resp: 154711

Ion Ratio Lower Upper

75 100

77 27.1 25.3 37.9



#46

cis-1,3-Dichloropropene

Concen: 2.056 ppbv

RT: 8.156 min Scan# 1727

Delta R.T. 0.000 min

Lab File: VL041083.D

Acq: 11 Mar 2024 11:45

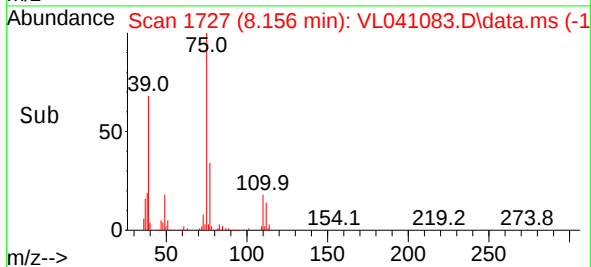
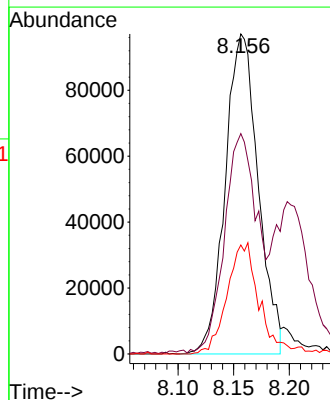
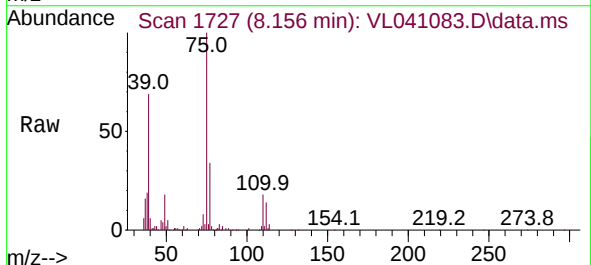
Tgt Ion: 75 Resp: 199391

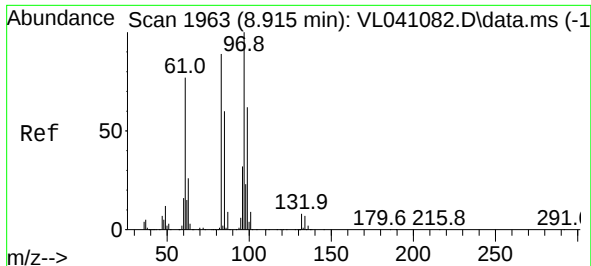
Ion Ratio Lower Upper

75 100

39 67.4 53.3 79.9

77 34.1 25.2 37.8



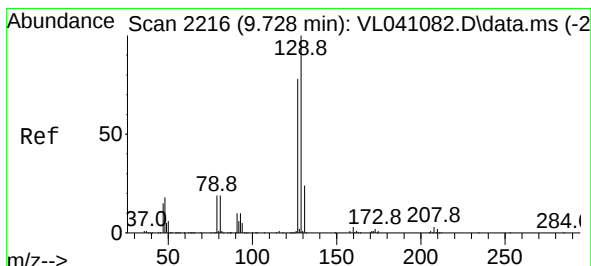
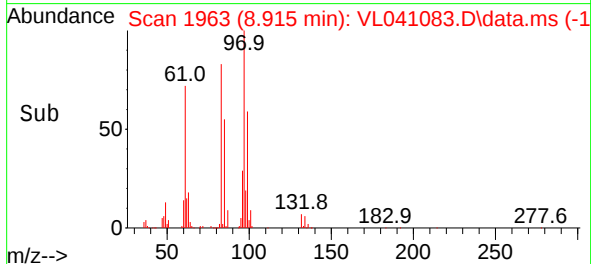
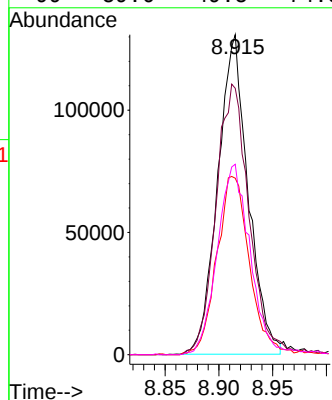
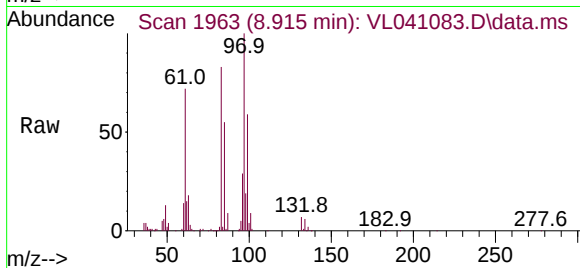


#47
1,1,2-Trichloroethane
Concen: 2.068 ppbv
RT: 8.915 min Scan# 1963
Delta R.T. 0.000 min
Lab File: VL041083.D
Acq: 11 Mar 2024 11:45

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion: 97 Resp: 256347

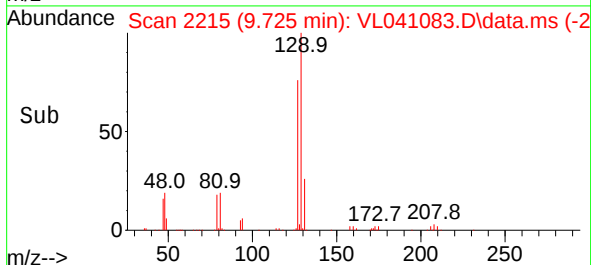
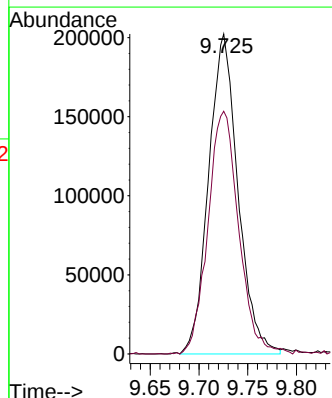
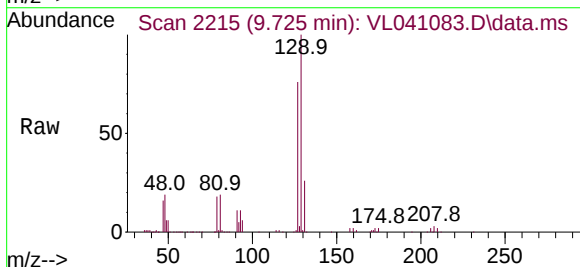
Ion	Ratio	Lower	Upper
97	100		
83	83.4	71.1	106.7
85	55.3	48.2	72.2
99	59.6	49.5	74.3

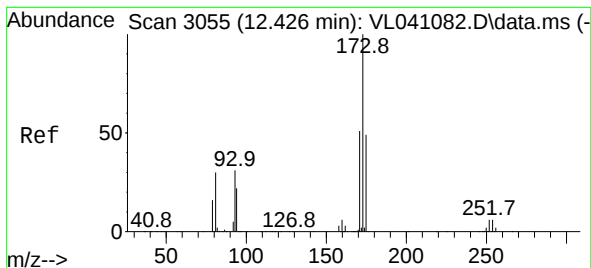


#48
Dibromochloromethane
Concen: 2.097 ppbv
RT: 9.725 min Scan# 2215
Delta R.T. -0.003 min
Lab File: VL041083.D
Acq: 11 Mar 2024 11:45

Tgt Ion: 129 Resp: 423663

Ion	Ratio	Lower	Upper
129	100		
127	79.9	39.6	118.8





#49

Bromoform

Concen: 2.106 ppbv

RT: 12.423 min Scan# 3055

Delta R.T. -0.003 min

Lab File: VL041083.D

Acq: 11 Mar 2024 11:45

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC002

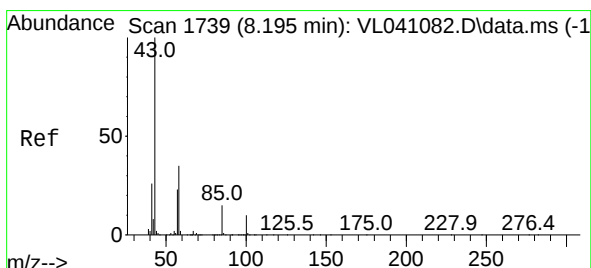
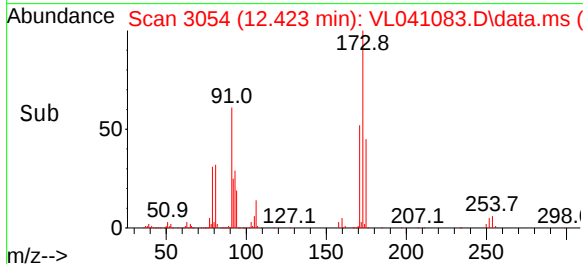
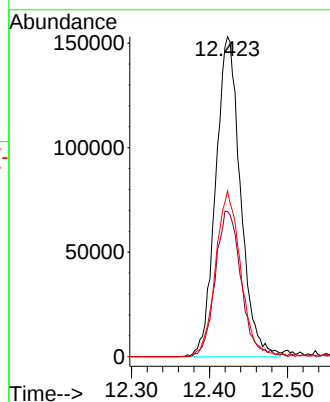
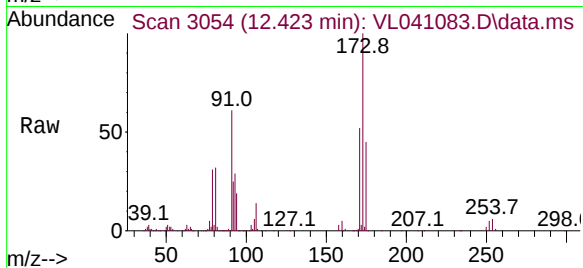
Tgt Ion:173 Resp: 337892

Ion Ratio Lower Upper

173 100

175 47.5 39.0 58.6

171 52.6 41.8 62.8



#50

4-Methyl-2-Pentanone

Concen: 2.239 ppbv

RT: 8.201 min Scan# 1741

Delta R.T. 0.007 min

Lab File: VL041083.D

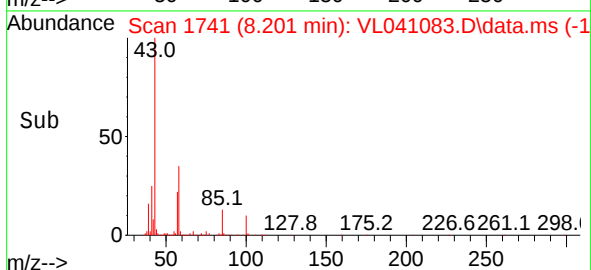
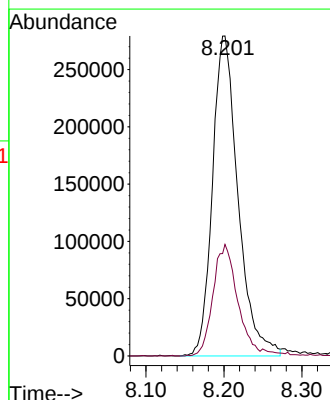
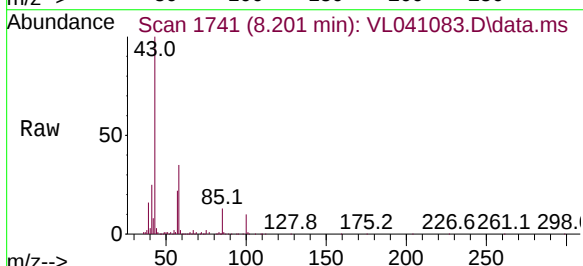
Acq: 11 Mar 2024 11:45

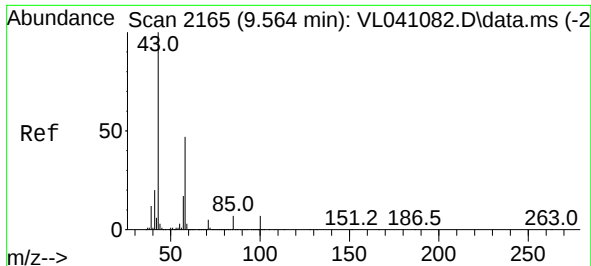
Tgt Ion: 43 Resp: 637119

Ion Ratio Lower Upper

43 100

58 34.6 28.3 42.5

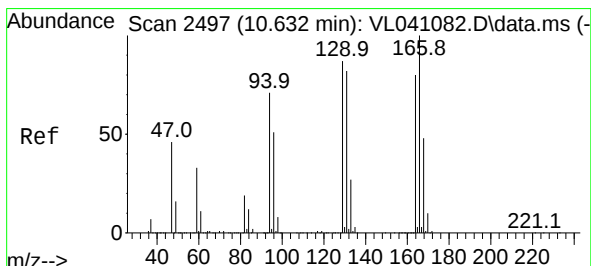
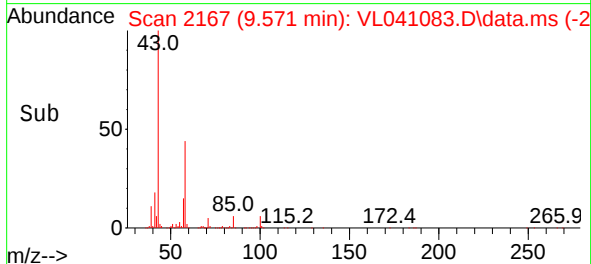
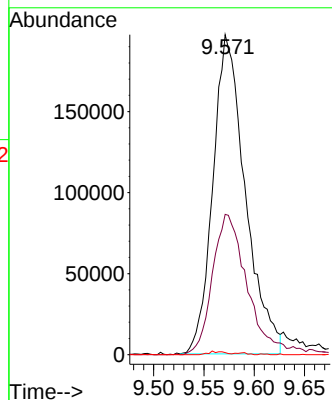
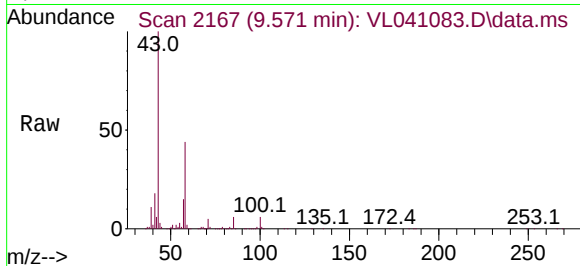




#51
2-Hexanone
Concen: 2.091 ppbv
RT: 9.571 min Scan# 2165
Delta R.T. 0.007 min
Lab File: VL041083.D
Acq: 11 Mar 2024 11:45

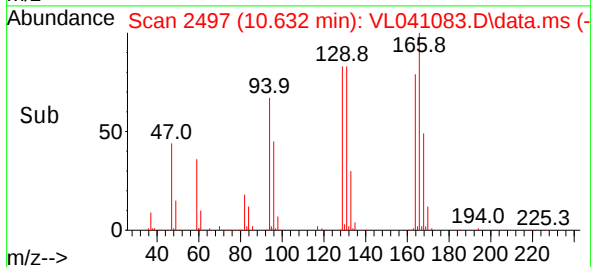
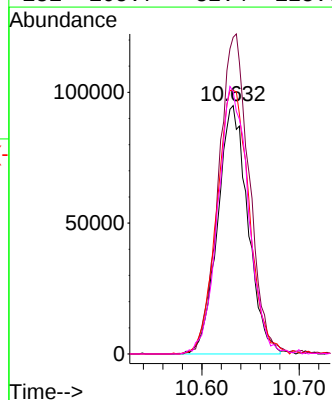
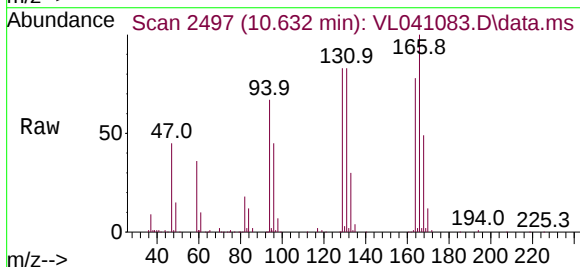
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

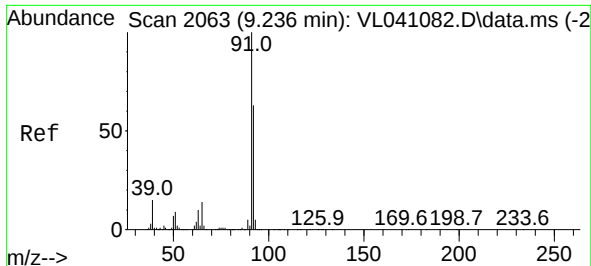
Tgt Ion: 43 Resp: 440592
Ion Ratio Lower Upper
43 100
58 49.1 37.4 56.2
98 0.8 0.4 0.6#



#52
Tetrachloroethene
Concen: 2.267 ppbv
RT: 10.632 min Scan# 2497
Delta R.T. 0.000 min
Lab File: VL041083.D
Acq: 11 Mar 2024 11:45

Tgt Ion:164 Resp: 204507
Ion Ratio Lower Upper
164 100
166 127.3 100.6 150.8
129 106.1 87.2 130.8
131 105.7 82.4 123.6





#53

Toluene

Concen: 2.180 ppbv

RT: 9.233 min Scan# 2063

Delta R.T. -0.003 min

Lab File: VL041083.D

Acq: 11 Mar 2024 11:45

Instrument :

MSVOA_L

ClientSampleId :

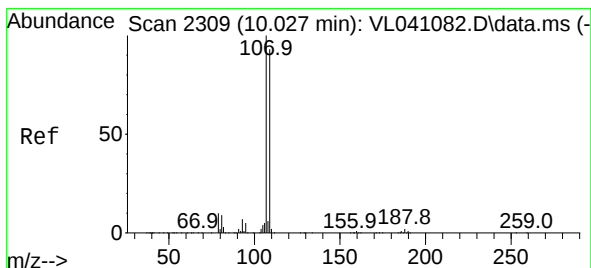
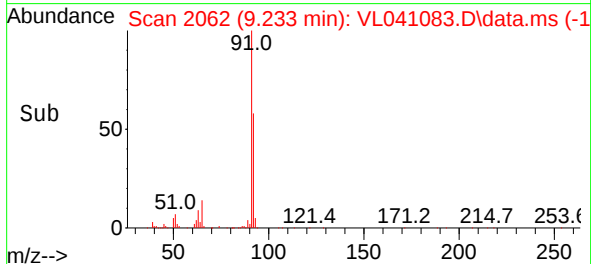
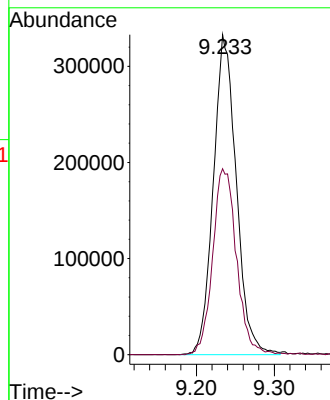
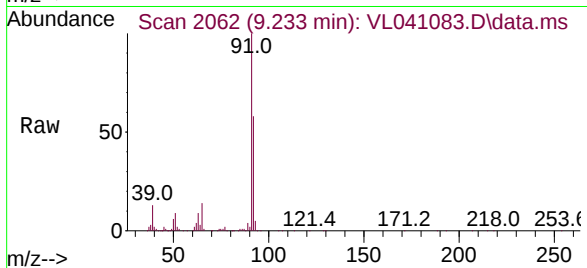
VSTDIC002

Tgt Ion: 91 Resp: 681654

Ion Ratio Lower Upper

91 100

92 60.6 48.9 73.3



#54

1,2-Dibromoethane

Concen: 2.212 ppbv

RT: 10.021 min Scan# 2307

Delta R.T. -0.006 min

Lab File: VL041083.D

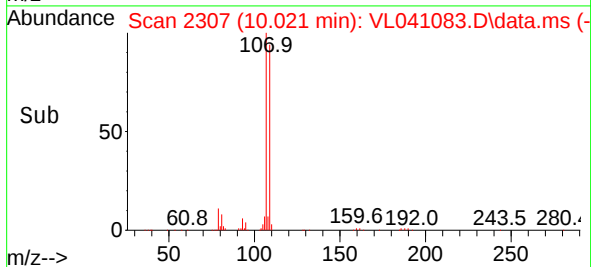
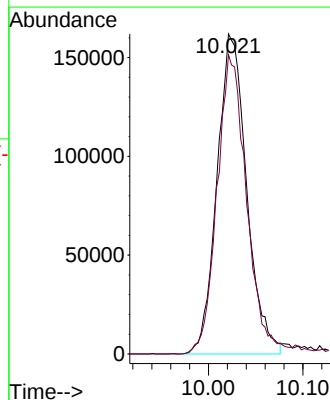
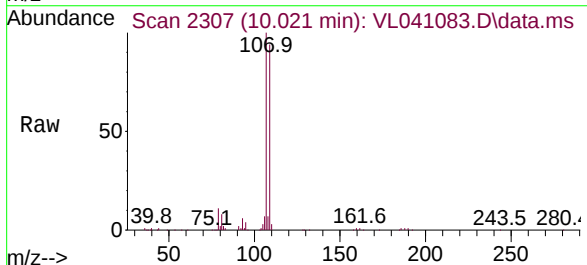
Acq: 11 Mar 2024 11:45

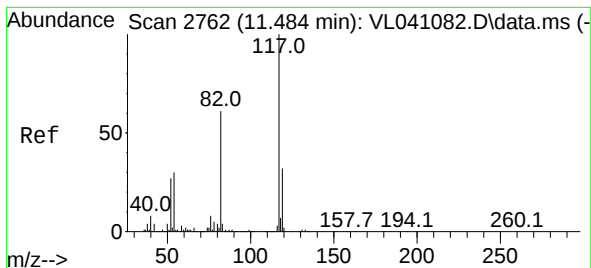
Tgt Ion: 107 Resp: 351909

Ion Ratio Lower Upper

107 100

109 93.5 74.4 111.6





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.484 min Scan# 2762

Delta R.T. 0.000 min

Lab File: VL041083.D

Acq: 11 Mar 2024 11:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

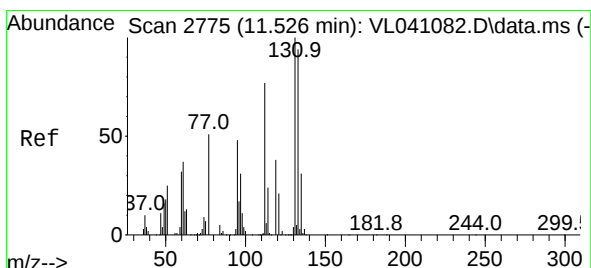
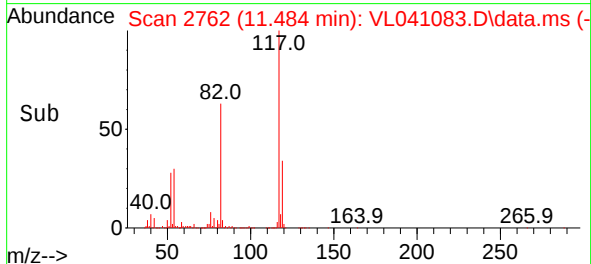
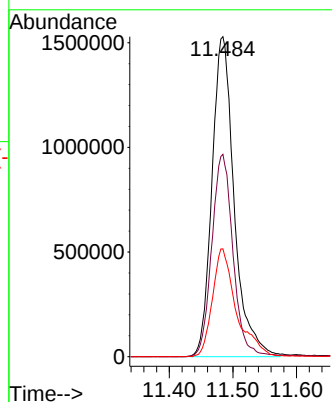
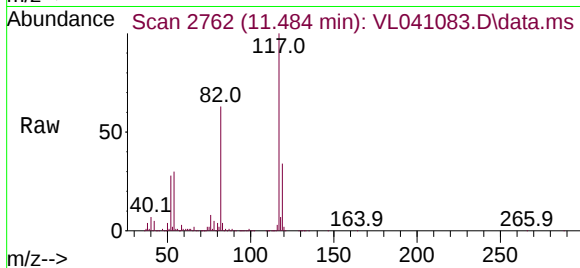
Tgt Ion:117 Resp: 3705350

Ion Ratio Lower Upper

117 100

82 61.0 51.4 77.2

119 36.5 23.7 35.5#



#56

1,1,1,2-Tetrachloroethane

Concen: 2.034 ppbv

RT: 11.523 min Scan# 2774

Delta R.T. -0.003 min

Lab File: VL041083.D

Acq: 11 Mar 2024 11:45

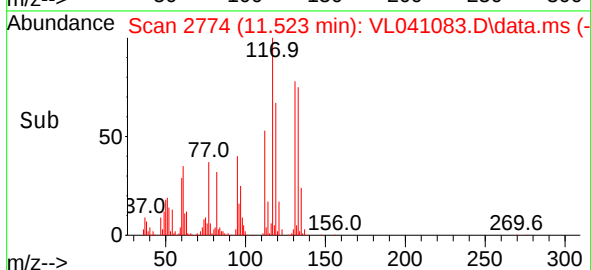
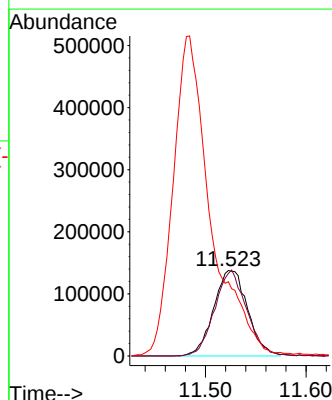
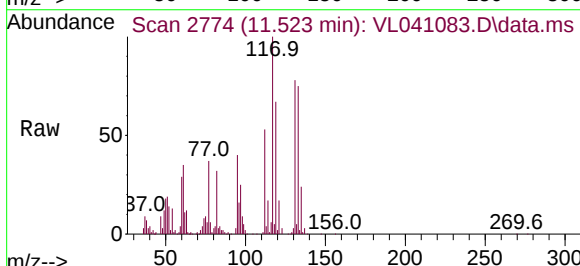
Tgt Ion:131 Resp: 322689

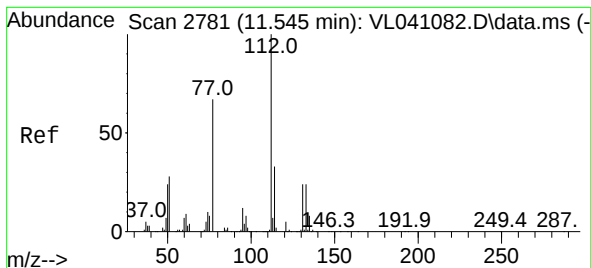
Ion Ratio Lower Upper

131 100

133 95.1 76.1 114.1

119 419.2 51.1 76.7#

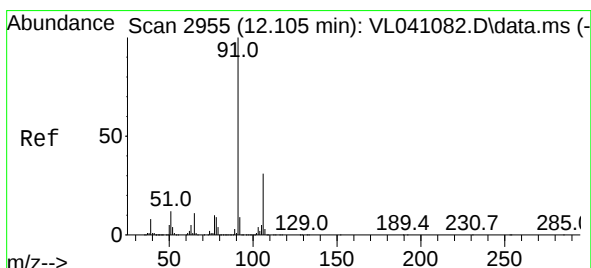
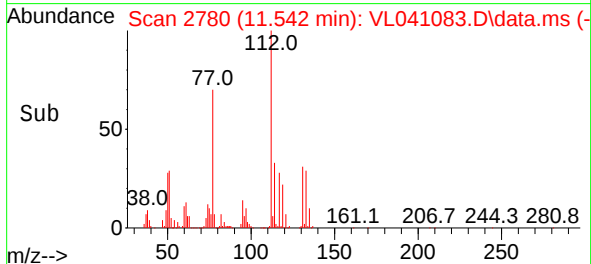
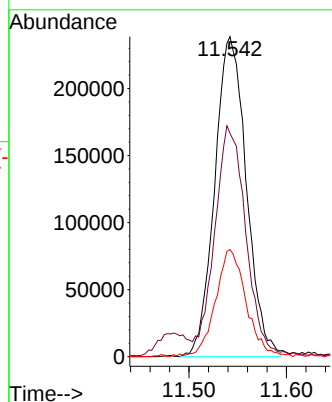
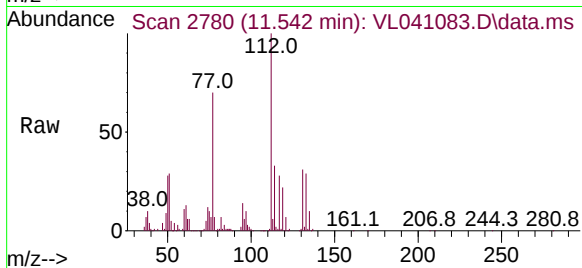




#57
Chlorobenzene
Concen: 2.029 ppbv
RT: 11.542 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL041083.D
Acq: 11 Mar 2024 11:45

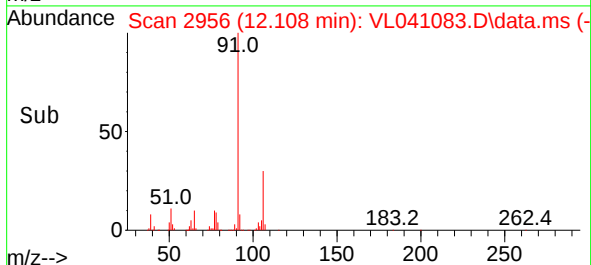
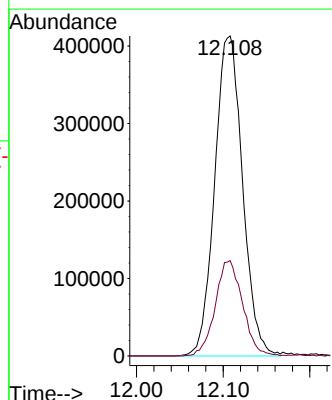
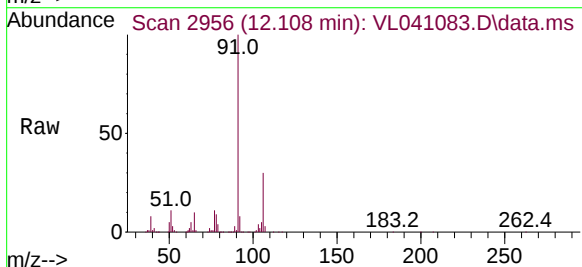
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

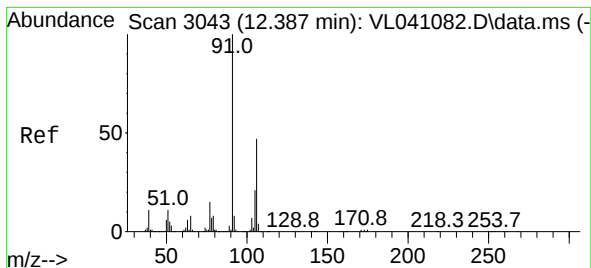
Tgt Ion:112 Resp: 538249
Ion Ratio Lower Upper
112 100
77 68.5 54.6 81.8
114 32.7 29.4 36.0



#58
Ethyl Benzene
Concen: 2.131 ppbv
RT: 12.108 min Scan# 2956
Delta R.T. 0.003 min
Lab File: VL041083.D
Acq: 11 Mar 2024 11:45

Tgt Ion: 91 Resp: 924445
Ion Ratio Lower Upper
91 100
106 29.7 24.6 36.8





#59

m/p-Xylene

Concen: 2.457 ppbv

RT: 12.391 min Scan# 3044

Delta R.T. 0.003 min

Lab File: VL041083.D

Acq: 11 Mar 2024 11:45

Instrument :

MSVOA_L

ClientSampleId :

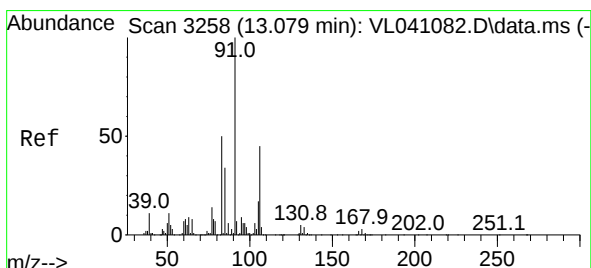
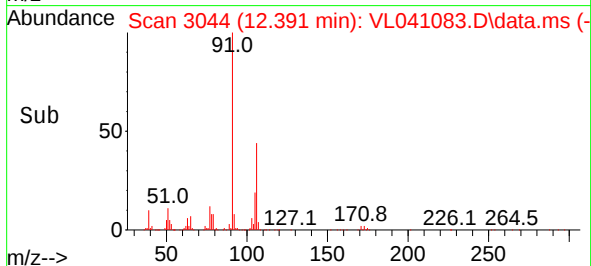
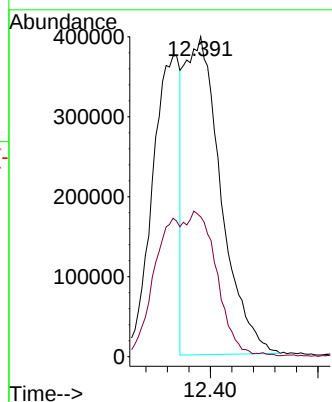
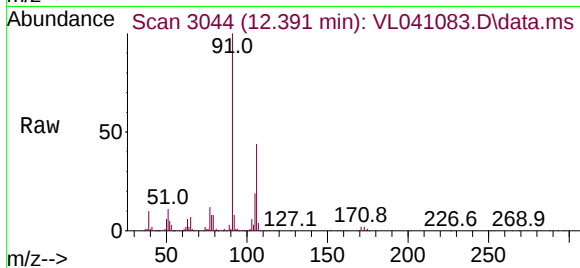
VSTDICC002

Tgt Ion: 91 Resp: 935616

Ion Ratio Lower Upper

91 100

106 74.2 35.4 53.2#



#60

o-Xylene

Concen: 2.117 ppbv

RT: 13.079 min Scan# 3258

Delta R.T. 0.000 min

Lab File: VL041083.D

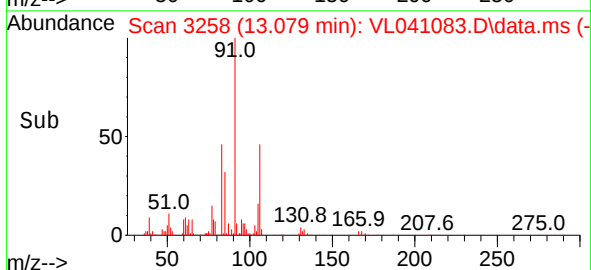
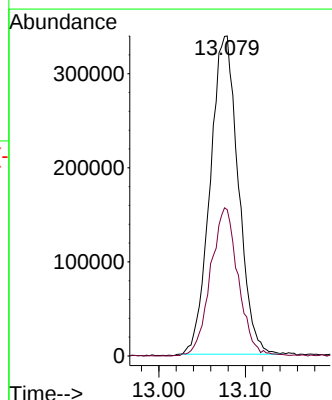
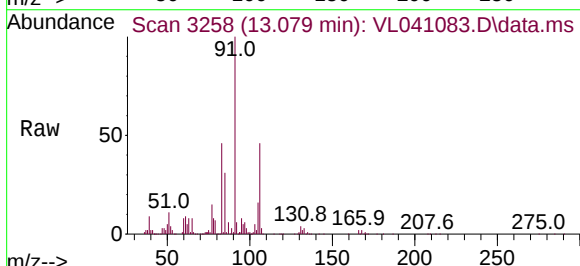
Acq: 11 Mar 2024 11:45

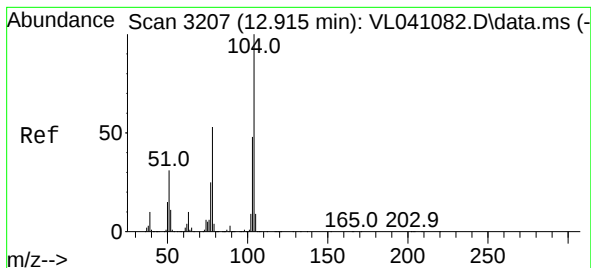
Tgt Ion: 91 Resp: 764651

Ion Ratio Lower Upper

91 100

106 46.0 22.4 67.3





#61

Styrene

Concen: 2.013 ppbv

RT: 12.915 min Scan# 31

Delta R.T. 0.000 min

Lab File: VL041083.D

Acq: 11 Mar 2024 11:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

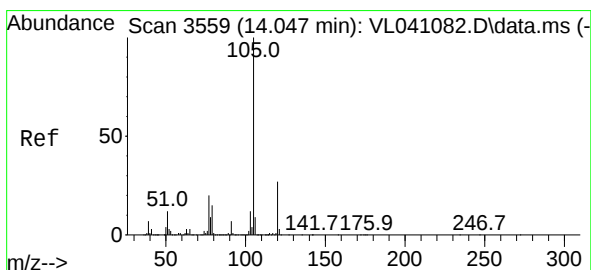
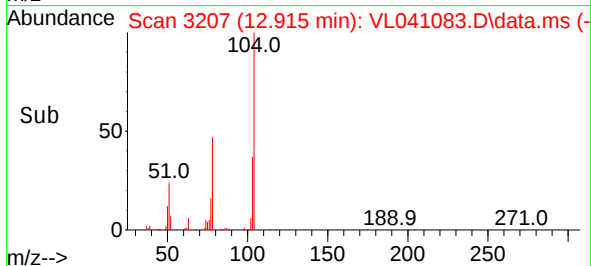
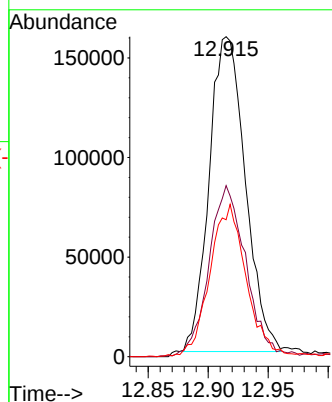
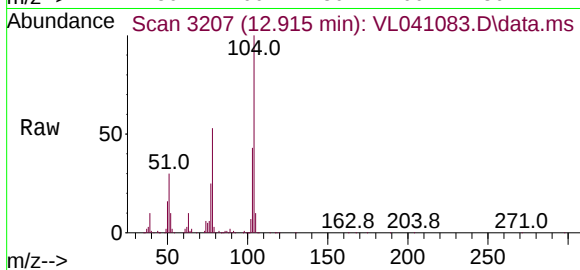
Tgt Ion:104 Resp: 331670

Ion Ratio Lower Upper

104 100

78 56.3 42.6 64.0

103 49.0 37.3 55.9



#62

Isopropylbenzene

Concen: 2.106 ppbv

RT: 14.050 min Scan# 3560

Delta R.T. 0.003 min

Lab File: VL041083.D

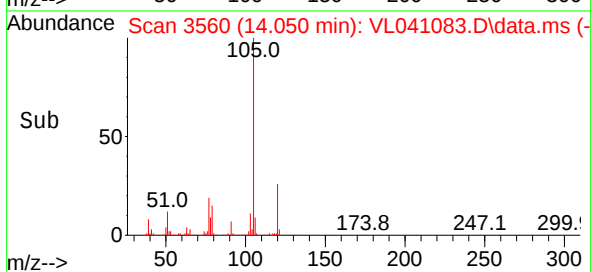
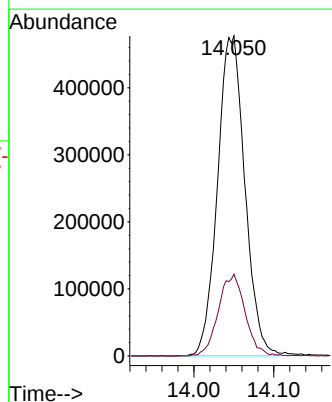
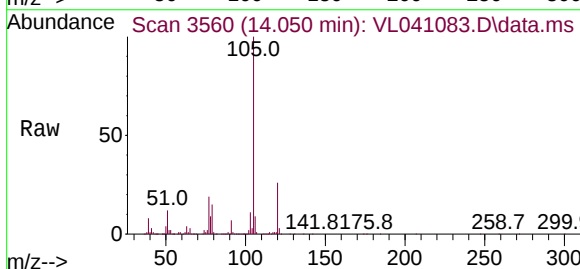
Acq: 11 Mar 2024 11:45

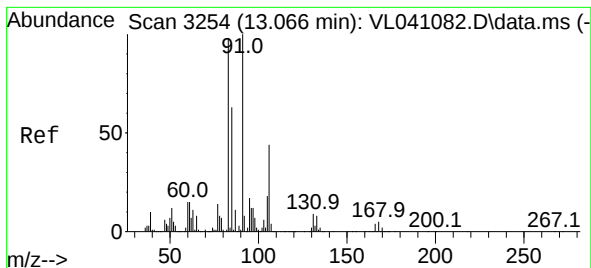
Tgt Ion:105 Resp: 1131642

Ion Ratio Lower Upper

105 100

120 25.1 20.5 30.7

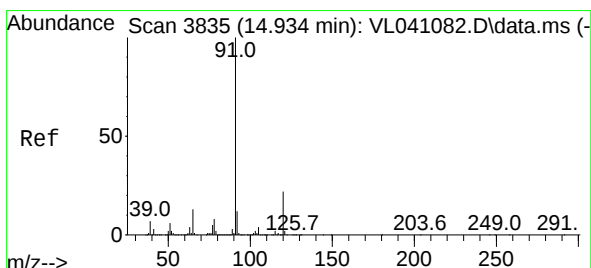
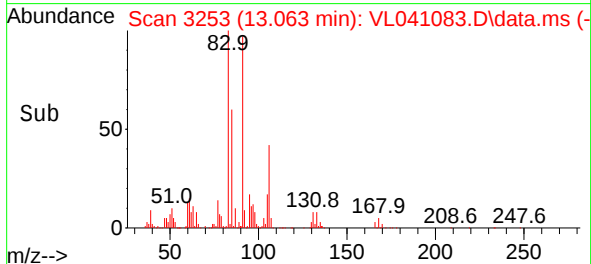
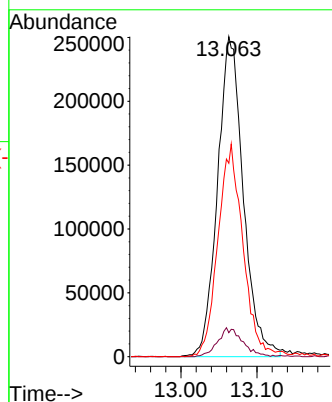
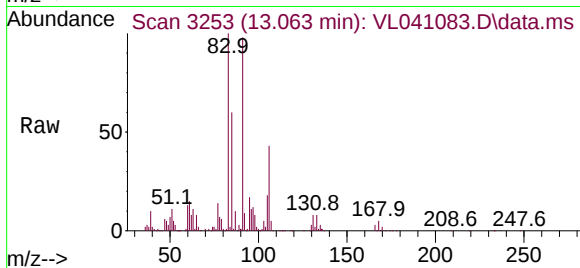




#63
1,1,2,2-Tetrachloroethane
Concen: 2.139 ppbv
RT: 13.063 min Scan# 31
Delta R.T. -0.003 min
Lab File: VL041083.D
Acq: 11 Mar 2024 11:45

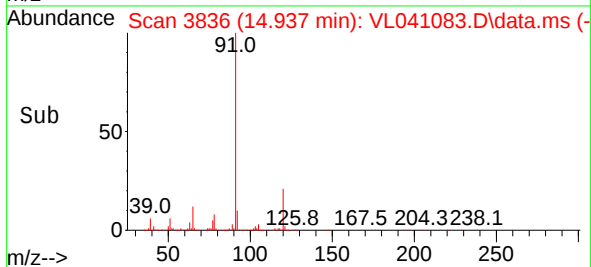
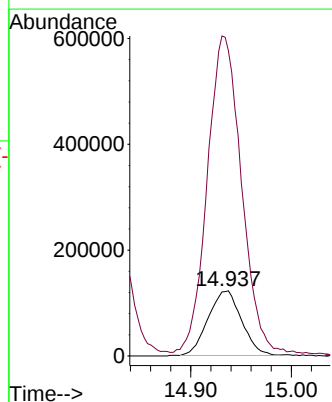
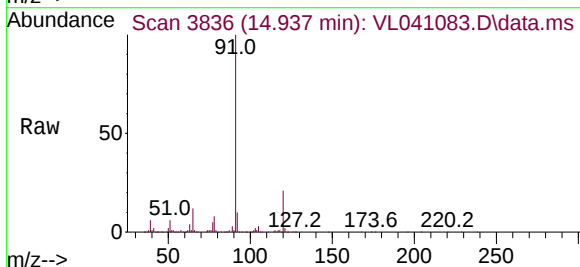
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

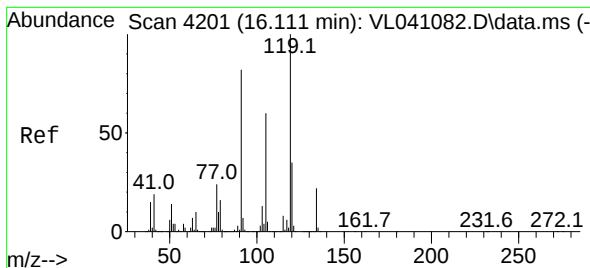
Tgt Ion: 83 Resp: 589936
Ion Ratio Lower Upper
83 100
131 8.9 4.7 14.0
85 65.3 32.7 98.1



#64
n-propylbenzene
Concen: 2.091 ppbv
RT: 14.937 min Scan# 3836
Delta R.T. 0.003 min
Lab File: VL041083.D
Acq: 11 Mar 2024 11:45

Tgt Ion:120 Resp: 283078
Ion Ratio Lower Upper
120 100
91 513.0 387.5 581.3





#65

tert-Butylbenzene

Concen: 2.152 ppbv

RT: 16.108 min Scan# 41

Delta R.T. -0.003 min

Lab File: VL041083.D

Acq: 11 Mar 2024 11:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

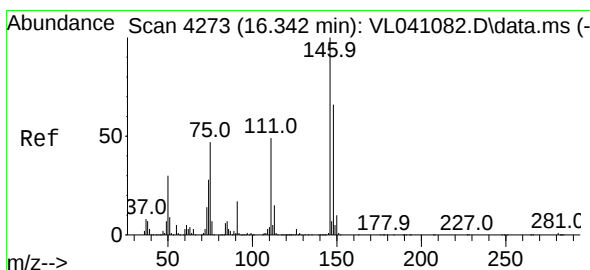
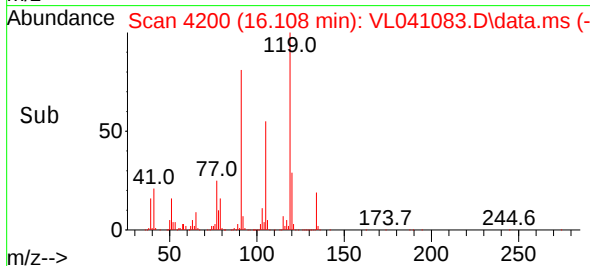
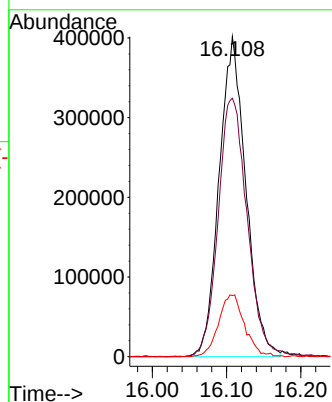
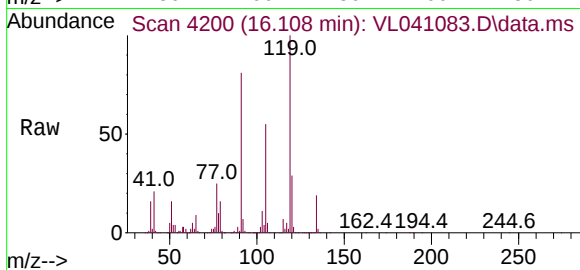
Tgt Ion:119 Resp: 1003072

Ion Ratio Lower Upper

119 100

91 88.2 67.8 101.8

134 19.0 16.2 24.2



#66

Benzyl Chloride

Concen: 0.479 ppbv

RT: 16.336 min Scan# 4271

Delta R.T. -0.006 min

Lab File: VL041083.D

Acq: 11 Mar 2024 11:45

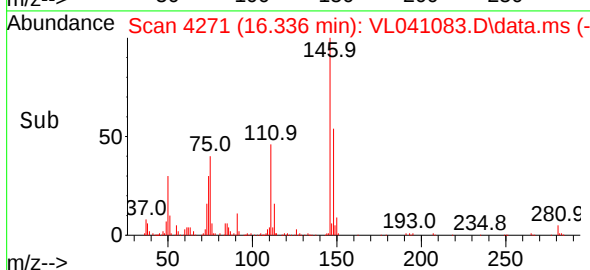
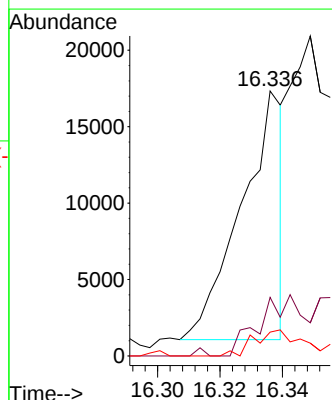
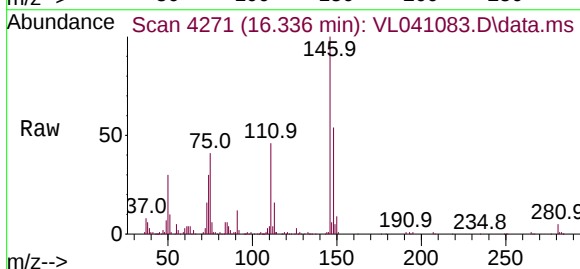
Tgt Ion: 91 Resp: 15043

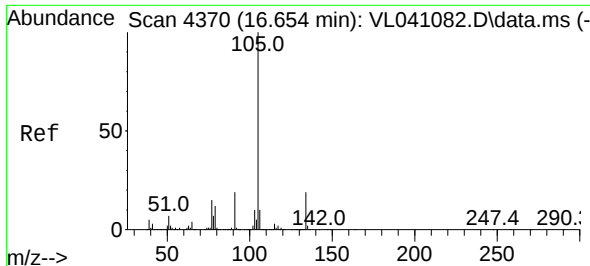
Ion Ratio Lower Upper

91 100

126 0.0 14.1 21.1#

128 20.0 4.6 7.0#





#67

sec-Butylbenzene

Concen: 2.171 ppbv

RT: 16.654 min Scan# 4370

Delta R.T. 0.000 min

Lab File: VL041083.D

Acq: 11 Mar 2024 11:45

Instrument :

MSVOA_L

ClientSampleId :

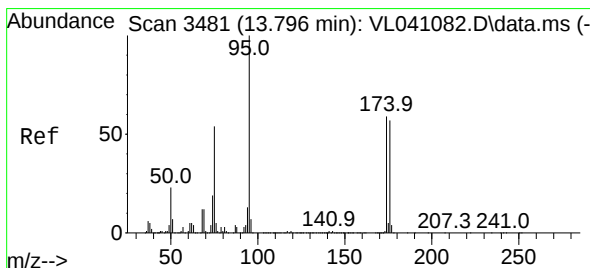
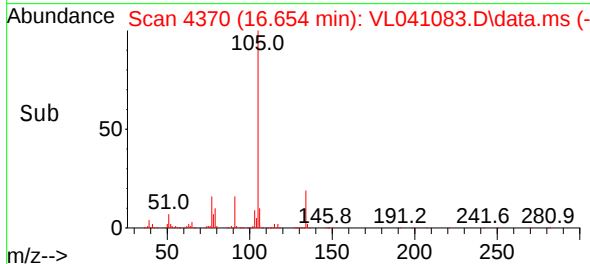
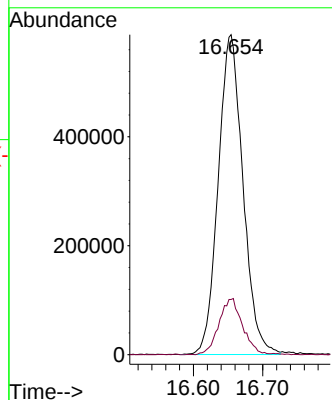
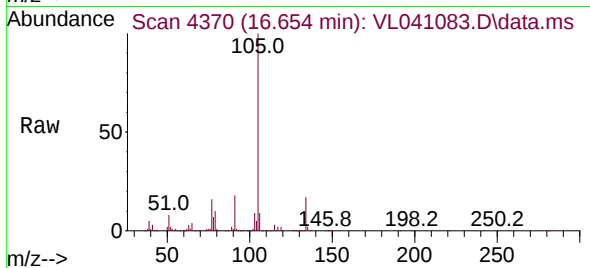
VSTDICC002

Tgt Ion:105 Resp: 1457686

Ion Ratio Lower Upper

105 100

134 16.8 14.3 21.5



#68

1-Bromo-4-Fluorobenzene

Concen: 9.520 ppbv

RT: 13.793 min Scan# 3480

Delta R.T. -0.003 min

Lab File: VL041083.D

Acq: 11 Mar 2024 11:45

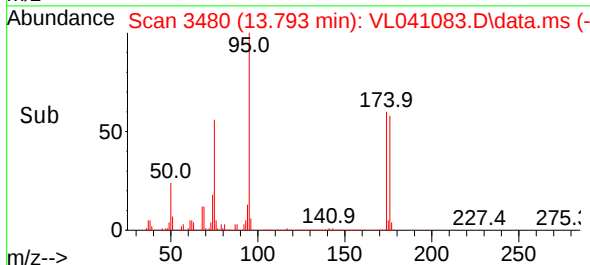
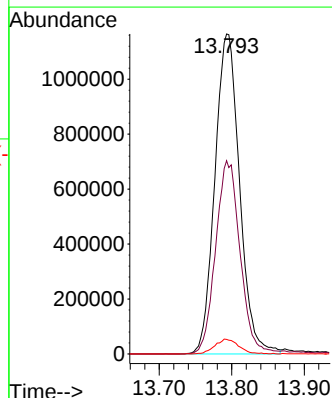
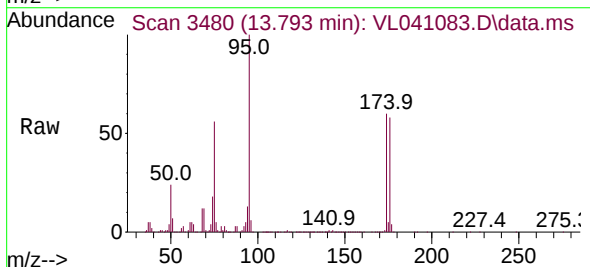
Tgt Ion: 95 Resp: 2758096

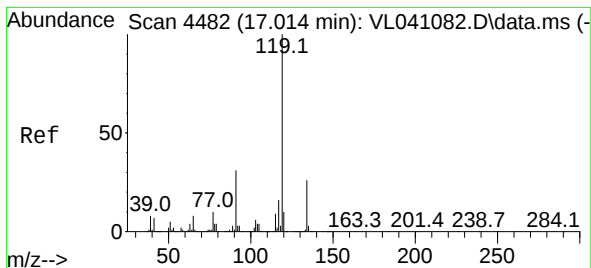
Ion Ratio Lower Upper

95 100

174 61.0 47.8 71.8

175 4.5 3.5 5.3





#69

p-Isopropyltoluene

Concen: 2.183 ppbv

RT: 17.015 min Scan# 4482

Delta R.T. 0.000 min

Lab File: VL041083.D

Acq: 11 Mar 2024 11:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

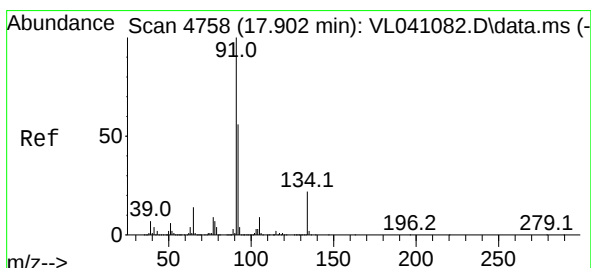
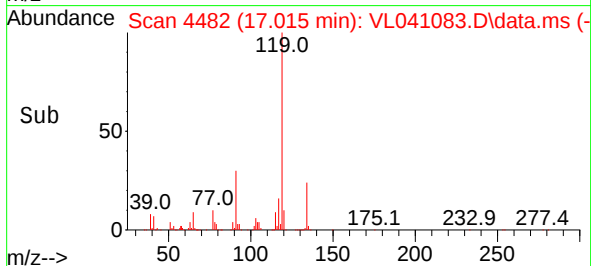
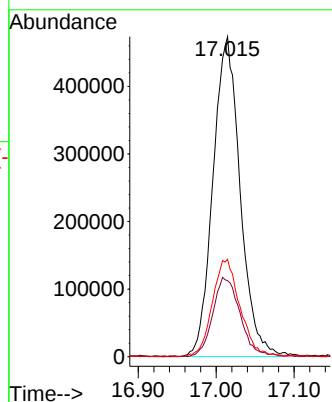
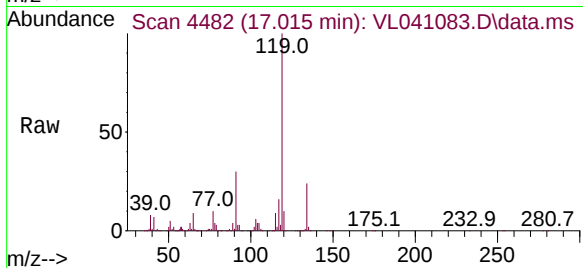
Tgt Ion:119 Resp: 1143445

Ion Ratio Lower Upper

119 100

134 25.1 20.6 30.8

91 31.1 24.7 37.1



#70

n-Butylbenzene

Concen: 2.210 ppbv

RT: 17.902 min Scan# 4758

Delta R.T. 0.000 min

Lab File: VL041083.D

Acq: 11 Mar 2024 11:45

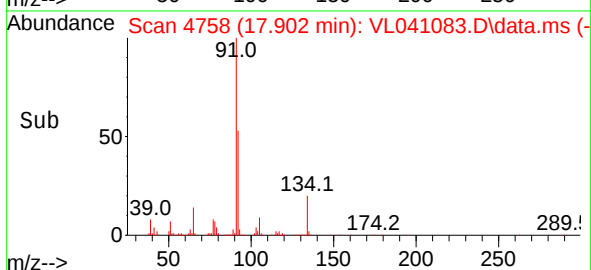
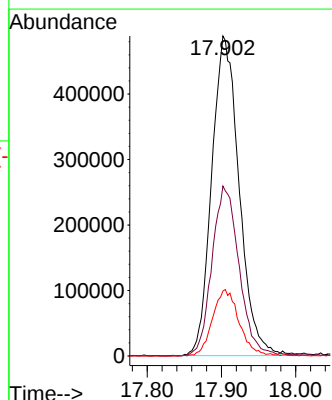
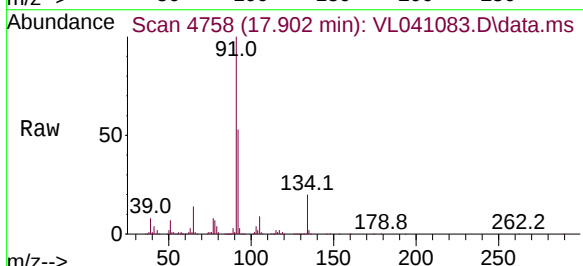
Tgt Ion: 91 Resp: 1251171

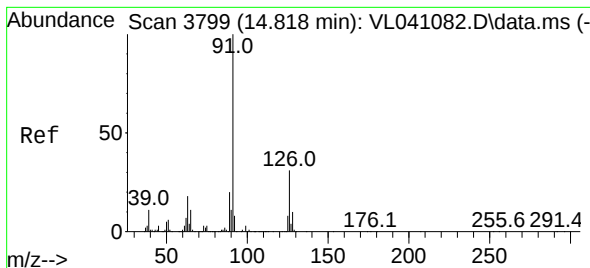
Ion Ratio Lower Upper

91 100

92 53.1 43.4 65.2

134 20.3 17.4 26.0

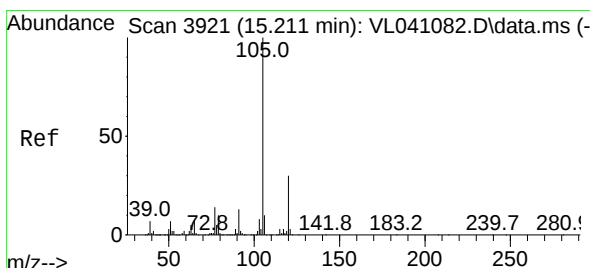
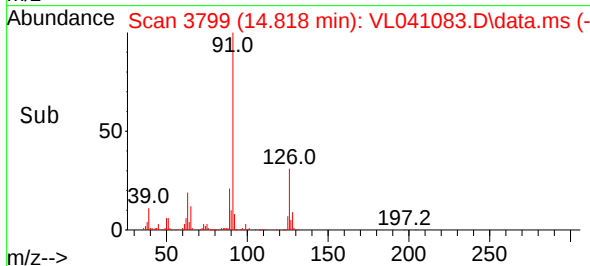
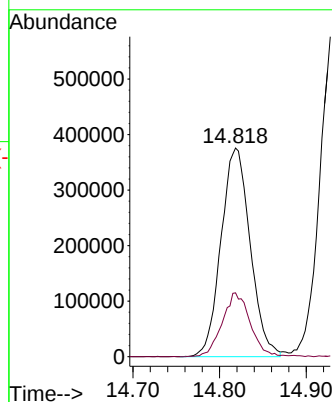
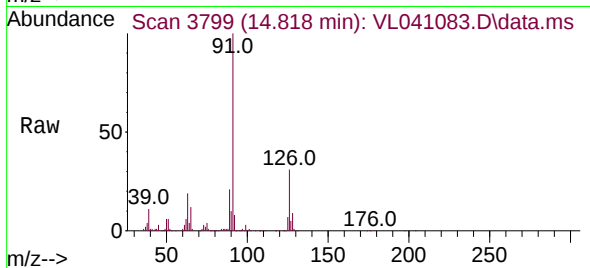




#71
2-Chlorotoluene
Concen: 2.137 ppbv
RT: 14.818 min Scan# 3799
Delta R.T. 0.000 min
Lab File: VL041083.D
Acq: 11 Mar 2024 11:45

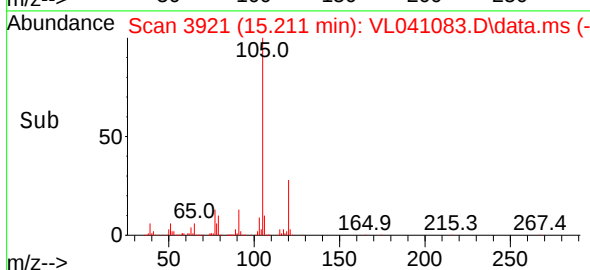
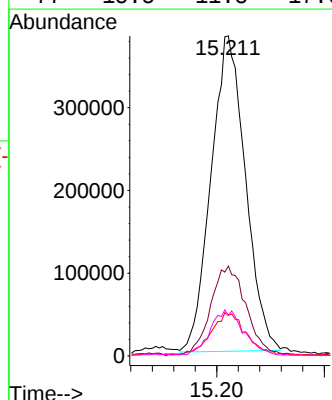
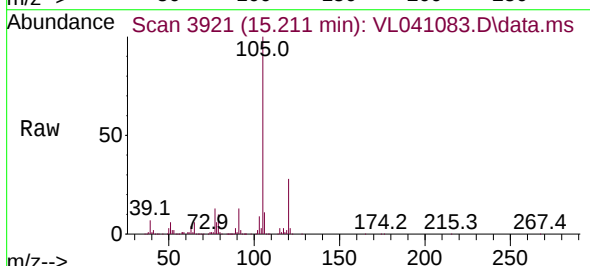
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

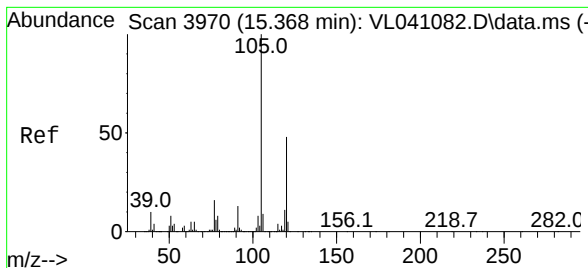
Tgt Ion: 91 Resp: 877776
Ion Ratio Lower Upper
91 100
126 29.6 12.2 48.8



#72
4-Ethyltoluene
Concen: 2.129 ppbv
RT: 15.211 min Scan# 3921
Delta R.T. 0.000 min
Lab File: VL041083.D
Acq: 11 Mar 2024 11:45

Tgt Ion: 105 Resp: 847672
Ion Ratio Lower Upper
105 100
120 29.7 23.8 35.8
91 14.0 10.9 16.3
77 15.5 11.8 17.6





#73

1,3,5-Trimethylbenzene

Concen: 2.150 ppbv

RT: 15.371 min Scan# 3971

Delta R.T. 0.003 min

Lab File: VL041083.D

Acq: 11 Mar 2024 11:45

Instrument :

MSVOA_L

ClientSampleId :

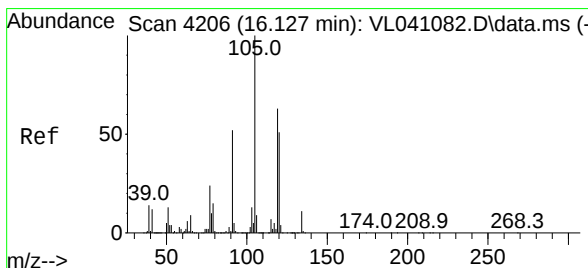
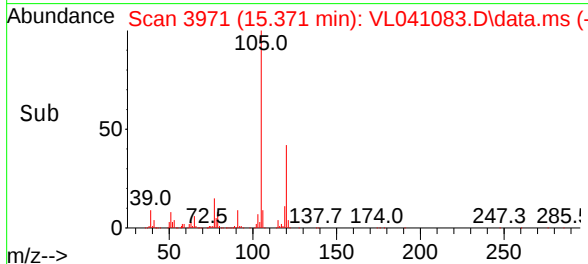
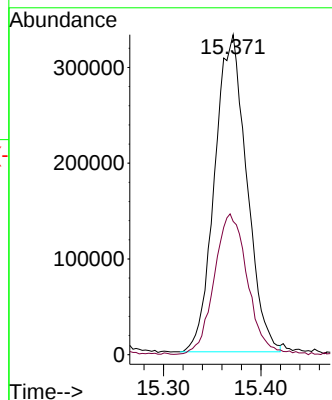
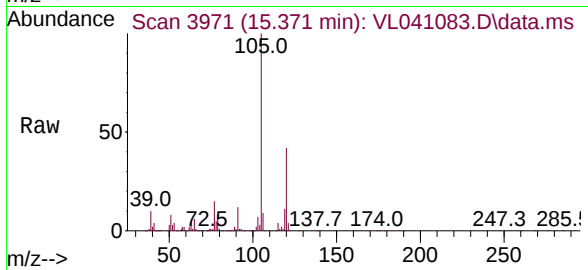
VSTDICC002

Tgt Ion:105 Resp: 757251

Ion Ratio Lower Upper

105 100

120 41.8 38.7 58.1



#74

1,2,4-Trimethylbenzene

Concen: 2.168 ppbv

RT: 16.127 min Scan# 4206

Delta R.T. 0.000 min

Lab File: VL041083.D

Acq: 11 Mar 2024 11:45

Tgt Ion:105 Resp: 872252

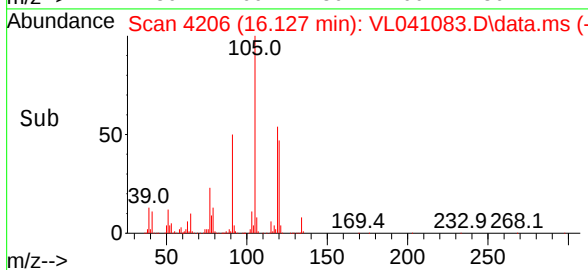
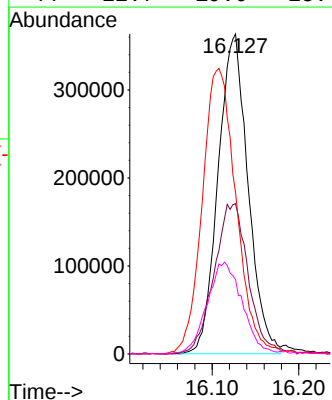
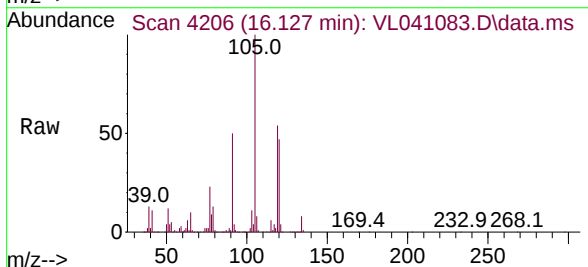
Ion Ratio Lower Upper

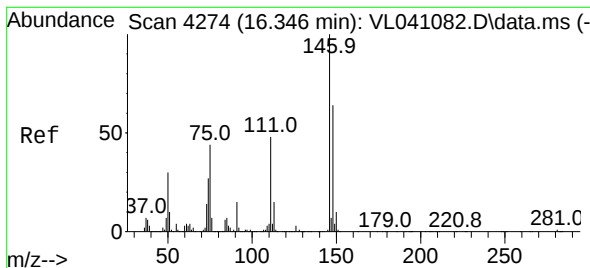
105 100

120 46.6 40.4 60.6

91 49.3 41.4 62.0

77 22.7 19.0 28.4





#75

1,3-Dichlorobenzene

Concen: 2.132 ppbv

RT: 16.349 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL041083.D

Acq: 11 Mar 2024 11:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

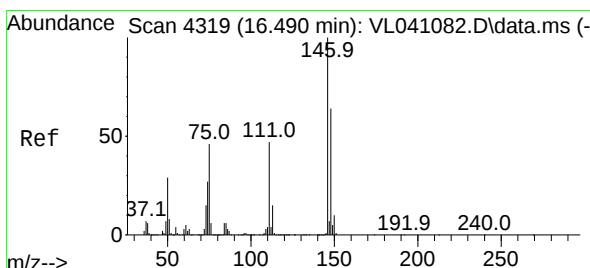
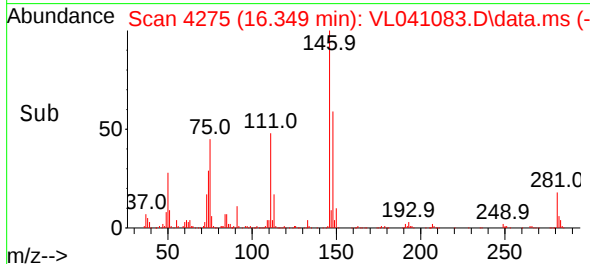
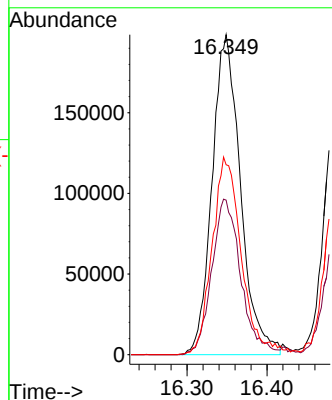
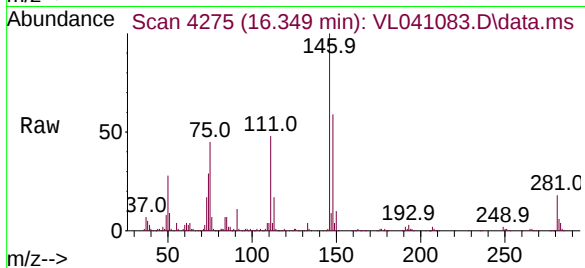
Tgt Ion:146 Resp: 489622

Ion Ratio Lower Upper

146 100

111 50.2 24.1 72.2

148 63.6 32.6 97.7



#76

1,4-Dichlorobenzene

Concen: 1.999 ppbv

RT: 16.494 min Scan# 4320

Delta R.T. 0.003 min

Lab File: VL041083.D

Acq: 11 Mar 2024 11:45

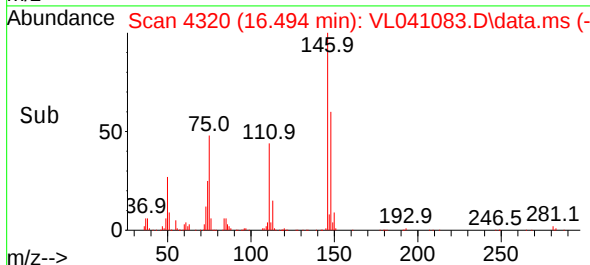
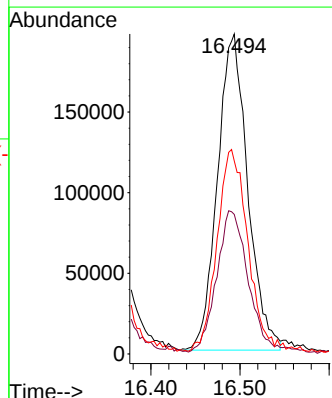
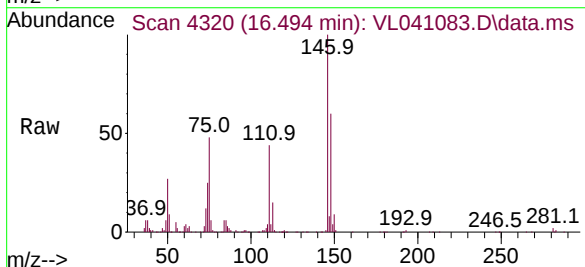
Tgt Ion:146 Resp: 461778

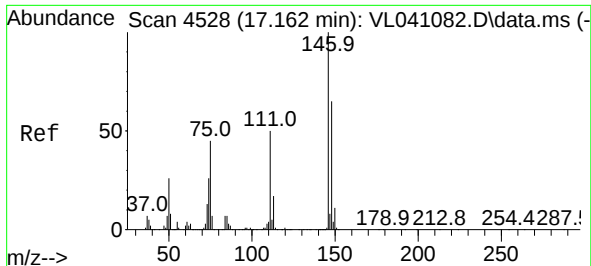
Ion Ratio Lower Upper

146 100

111 47.3 23.9 71.7

148 67.1 32.9 98.6

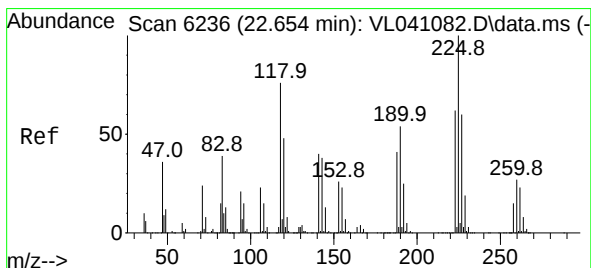
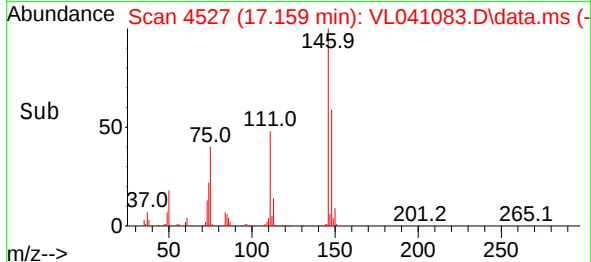
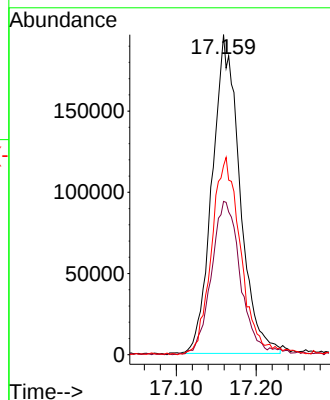
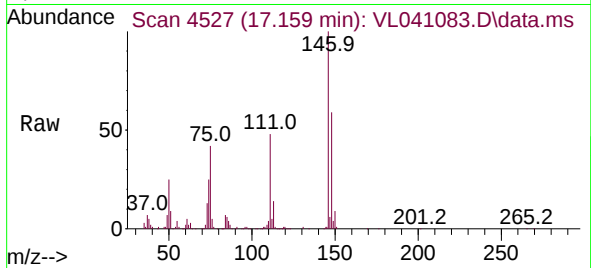




#77
1,2-Dichlorobenzene
Concen: 2.076 ppbv
RT: 17.159 min Scan# 4527
Delta R.T. -0.003 min
Lab File: VL041083.D
Acq: 11 Mar 2024 11:45

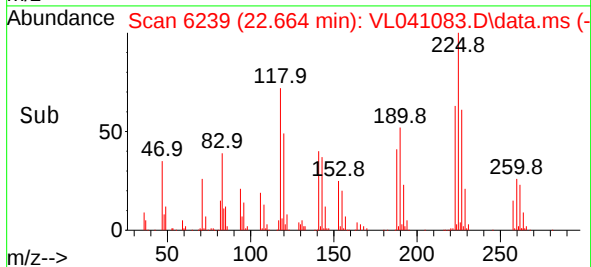
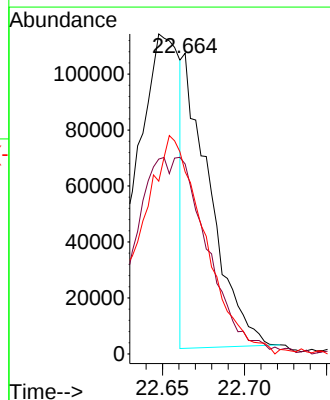
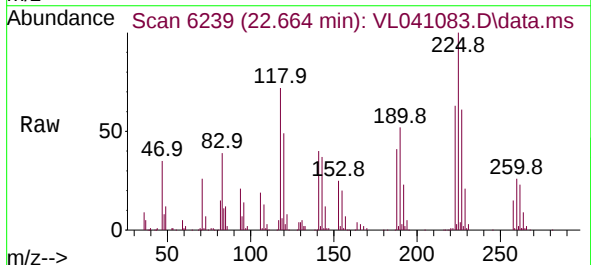
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

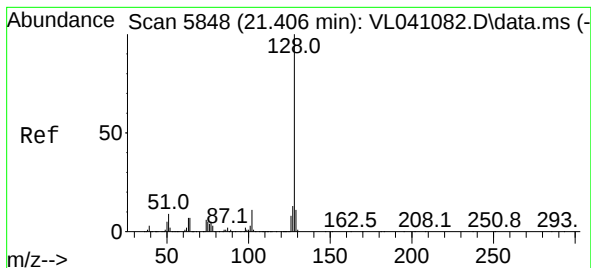
Tgt Ion:146 Resp: 470767
Ion Ratio Lower Upper
146 100
111 51.5 25.2 75.6
148 64.8 32.4 97.0



#78
Hexachloro-1,3-Butadiene
Concen: 0.754 ppbv
RT: 22.664 min Scan# 6239
Delta R.T. 0.010 min
Lab File: VL041083.D
Acq: 11 Mar 2024 11:45

Tgt Ion:225 Resp: 119579
Ion Ratio Lower Upper
225 100
223 186.5 51.1 76.7#
227 185.2 51.1 76.7#





#79

Naphthalene

Concen: 2.448 ppbv

RT: 21.413 min Scan# 5848

Delta R.T. 0.007 min

Lab File: VL041083.D

Acq: 11 Mar 2024 11:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

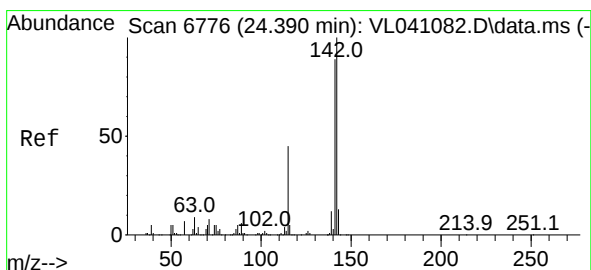
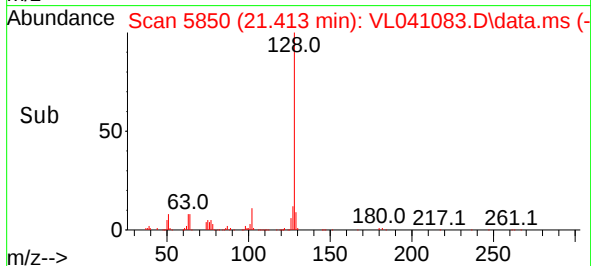
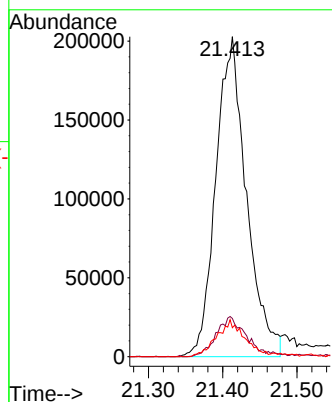
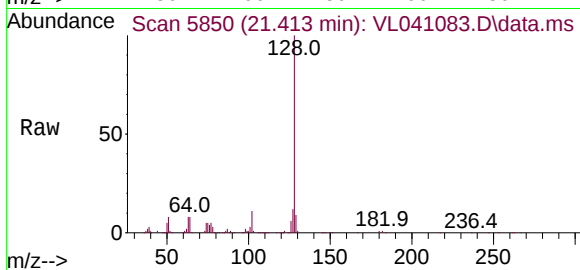
Tgt Ion:128 Resp: 579608

Ion Ratio Lower Upper

128 100

127 11.6 10.6 15.8

129 9.1 9.0 13.6



#80

Naphthalene, 2-methyl-

Concen: 1.585 ppbv

RT: 24.413 min Scan# 6783

Delta R.T. 0.023 min

Lab File: VL041083.D

Acq: 11 Mar 2024 11:45

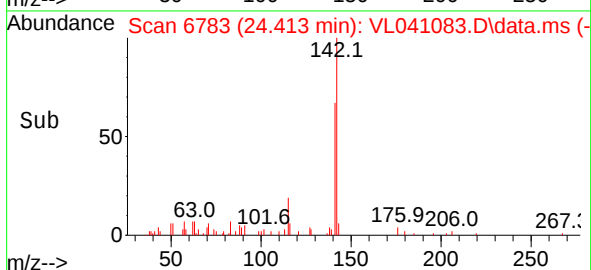
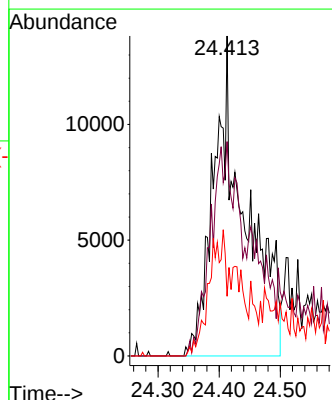
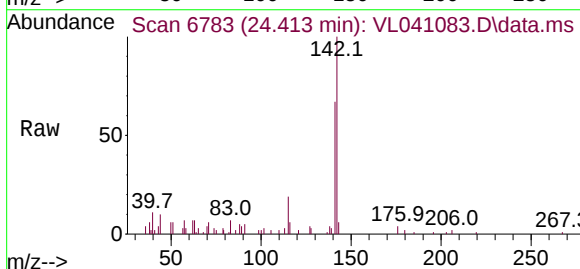
Tgt Ion:142 Resp: 49001

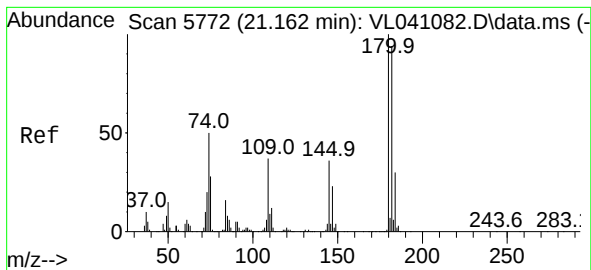
Ion Ratio Lower Upper

142 100

141 100.6 61.3 91.9#

115 39.5 35.4 53.2





#81
 1,2,4-Trichlorobenzene
 Concen: 2.135 ppbv
 RT: 21.162 min Scan# 51
 Delta R.T. 0.000 min
 Lab File: VL041083.D
 Acq: 11 Mar 2024 11:45

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tgt Ion:180 Resp: 288993
 Ion Ratio Lower Upper
 180 100
 182 107.2 78.7 118.1
 184 33.4 25.3 37.9

