

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040424\
 Data File : VL041124.D
 Acq On : 4 Apr 2024 12:01
 Operator : SY/MD
 Sample : VSTDICC0.1
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.1

Quant Time: Apr 05 04:18:04 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL040424AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-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	5.217	49	1402489	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.677	114	3566458	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.500	117	3166540	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.809	95	2533877	9.987	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.900%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.735	85	24714	0.103	ppbv	99
3) Chlorodifluoromethane	2.681	51	20978	0.097	ppbv	99
4) Chloromethane	2.822	50	8401	0.103	ppbv #	75
5) Vinyl Chloride	2.928	62	4905	0.063	ppbv #	88
6) Bromomethane	3.134	94	951	0.032	ppbv	93
7) Chloroethane	3.211	64	1066	0.037	ppbv #	84
8) Dichlorotetrafluoroethane	2.864	85	19710	0.096	ppbv	99
9) Propene	2.700	41	7898	0.115	ppbv	99
10) Heptane	7.610	43	6044	0.037	ppbv #	27
11) Trichlorofluoromethane	3.574	101	19796	0.091	ppbv #	82
12) 1,1,2-Trichlorotrifluo...	4.082	101	6072	0.039	ppbv #	1
13) Ethanol	3.275	45	824	0.051	ppbv #	1
14) Bromoethene	3.375	108	2576	0.042	ppbv #	6
15) Acetone	3.510	43	21417	0.141	ppbv #	88
16) 1,3-Butadiene	2.996	39	4873	0.065	ppbv #	50
17) tert-Butyl alcohol	3.899	59	572	0.004	ppbv #	89
18) 1,1-Dichloroethene	3.896	96	4028	0.060	ppbv	88
19) Isopropyl Alcohol	3.562	45	110	0.001	ppbv #	1
20) Methylene Chloride	3.951	84	13413	0.214	ppbv #	78
21) Allyl Chloride	4.015	41	8165	0.088	ppbv #	76
22) trans-1,2-Dichloroethene	4.452	96	1106	0.016	ppbv	83
23) Vinyl Acetate	4.661	43	5589	0.035	ppbv #	90
24) 1,1-Dichloroethane	4.584	63	13018	0.092	ppbv #	96
25) Ethyl Acetate	5.240	43	10860	0.038	ppbv #	68
26) Hexane	5.234	57	11033	0.086	ppbv #	89
27) Carbon Disulfide	4.147	76	1841	0.012	ppbv #	1
28) Methyl tert-Butyl Ether	4.603	73	581	0.006	ppbv #	52
29) Chloroform	5.295	83	20030	0.093	ppbv	90
30) Cyclohexane	6.635	84	3595	0.035	ppbv #	1
31) cis-1,2-Dichloroethene	5.102	61	4700	0.039	ppbv #	84
32) 1,1,1-Trichloroethane	6.028	97	16783	0.084	ppbv #	89
34) 2-Butanone	4.806	43	308	0.002	ppbv #	54
35) Carbon Tetrachloride	6.520	117	11091	0.055	ppbv #	78
36) Benzene	6.398	78	14976	0.057	ppbv	95
37) 1,2-Dichloroethane	5.835	62	14272	0.091	ppbv	97
38) Trichloroethene	7.314	130	4318	0.045	ppbv	83
39) 1,2-Dichloropropane	6.680	63	913067	8.793	ppbv #	26
40) 1,4-Dioxane	7.327	88	141	0.004	ppbv #	1
41) Tetrahydrofuran	5.536	42	71	0.001	ppbv #	37
42) Bromodichloromethane	7.275	83	15441	0.069	ppbv #	90
43) Methyl Methacrylate	7.504	69	2684	0.030	ppbv #	1
44) 2,2,4-Trimethylpentane	7.352	57	17555	0.040	ppbv #	40
45) t-1,3-Dichloropropene	8.745	75	1808	0.031	ppbv #	43

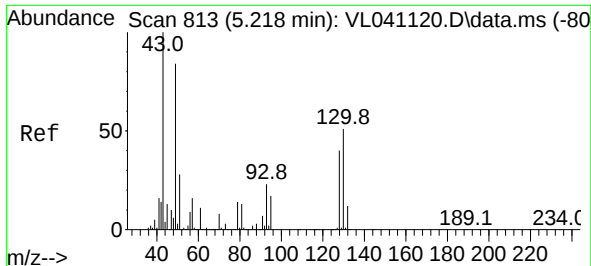
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040424\
 Data File : VL041124.D
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 Operator : SY/MD
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Instrument :
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 ClientSampleId :
 VSTDICC0.1

Quant Time: Apr 05 04:18:04 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	8.172	75	2037	0.027	ppbv #	32
47) 1,1,2-Trichloroethane	8.931	97	3619	0.032	ppbv #	34
48) Dibromochloromethane	9.735	129	2312	0.013	ppbv #	10
49) Bromoform	12.439	173	2017	0.014	ppbv #	1
50) 4-Methyl-2-Pentanone	8.201	43	264	0.001	ppbv #	40
51) 2-Hexanone	9.587	43	106	0.001	ppbv #	31
52) Tetrachloroethene	10.642	164	2129	0.025	ppbv #	36
53) Toluene	9.253	91	4534	0.016	ppbv #	20
54) 1,2-Dibromoethane	10.047	107	4539	0.033	ppbv	83
56) 1,1,1,2-Tetrachloroethane	11.542	131	6868	0.053	ppbv #	28
57) Chlorobenzene	11.555	112	4478	0.021	ppbv #	33
58) Ethyl Benzene	12.378	91	5775	0.017	ppbv	96
59) m/p-Xylene	12.404	91	2871	0.009	ppbv #	32
60) o-Xylene	13.092	91	9420	0.032	ppbv #	31
61) Styrene	12.934	104	1302	0.010	ppbv #	1
62) Isopropylbenzene	14.066	105	28309	0.064	ppbv	95
63) 1,1,2,2-Tetrachloroethane	13.082	83	5252	0.022	ppbv #	18
64) n-propylbenzene	14.944	120	790	0.007	ppbv #	1
65) tert-Butylbenzene	16.117	119	4237	0.011	ppbv #	20
66) Benzyl Chloride	16.362	91	80	0.003	ppbv #	67
67) sec-Butylbenzene	16.661	105	5487	0.010	ppbv #	59
69) p-Isopropyltoluene	17.014	119	2353	0.005	ppbv #	46
70) n-Butylbenzene	17.905	91	1733	0.004	ppbv #	33
71) 2-Chlorotoluene	14.831	91	8947	0.027	ppbv #	43
72) 4-Ethyltoluene	15.224	105	6571	0.020	ppbv #	44
73) 1,3,5-Trimethylbenzene	15.381	105	3054	0.010	ppbv #	72
74) 1,2,4-Trimethylbenzene	16.127	105	1463	0.004	ppbv #	77
75) 1,3-Dichlorobenzene	16.365	146	4035	0.021	ppbv #	1
76) 1,4-Dichlorobenzene	16.503	146	3122	0.016	ppbv #	22
77) 1,2-Dichlorobenzene	17.178	146	4704	0.025	ppbv #	1
78) Hexachloro-1,3-Butadiene	22.661	225	1571	0.013	ppbv #	18
79) Naphthalene	21.426	128	871	0.004	ppbv #	69
80) Naphthalene,2-methyl-	24.426	142	33	0.001	ppbv #	34
81) 1,2,4-Trichlorobenzene	21.178	180	1097	0.009	ppbv #	12

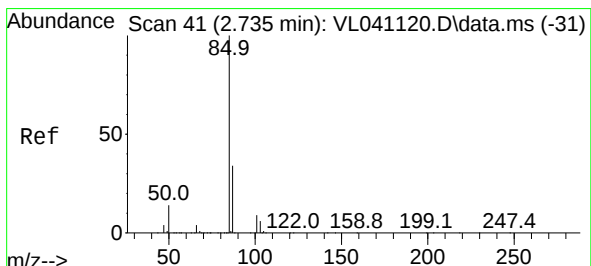
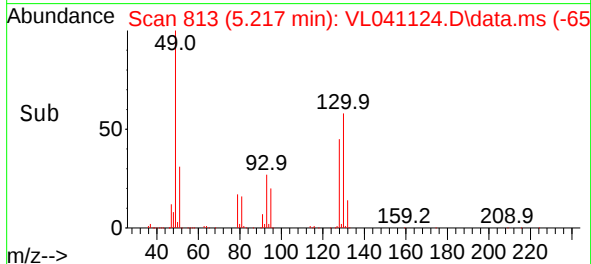
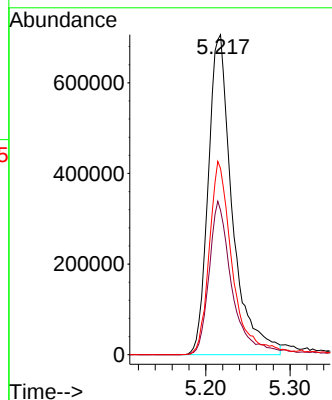
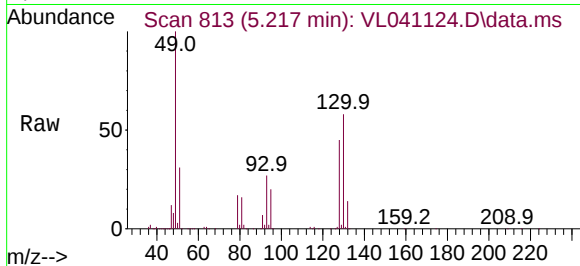
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.217 min Scan# 813
Delta R.T. -0.001 min
Lab File: VL041124.D
Acq: 4 Apr 2024 12:01

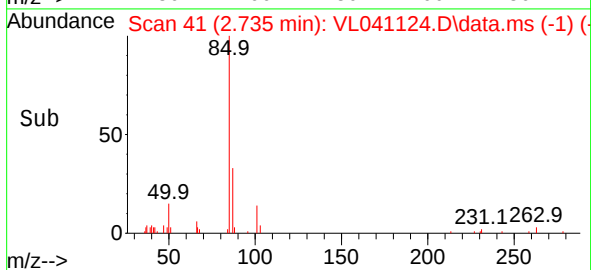
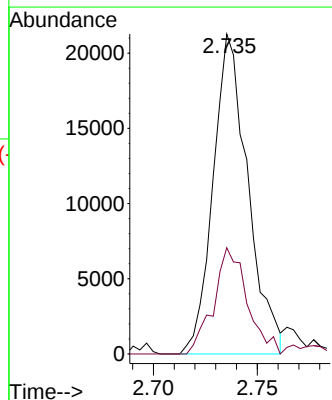
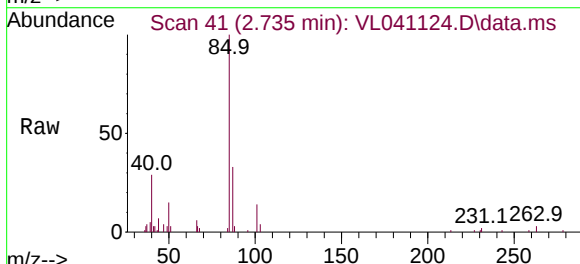
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

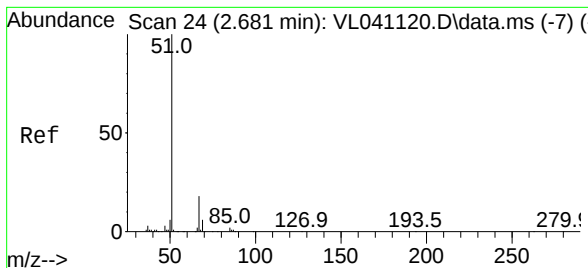
Tgt Ion: 49 Resp: 1402489
Ion Ratio Lower Upper
49 100
128 47.7 23.6 71.0
130 60.1 30.1 90.5



#2
Dichlorodifluoromethane
Concen: 0.103 ppbv
RT: 2.735 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL041124.D
Acq: 4 Apr 2024 12:01

Tgt Ion: 85 Resp: 24714
Ion Ratio Lower Upper
85 100
87 33.2 27.0 40.6

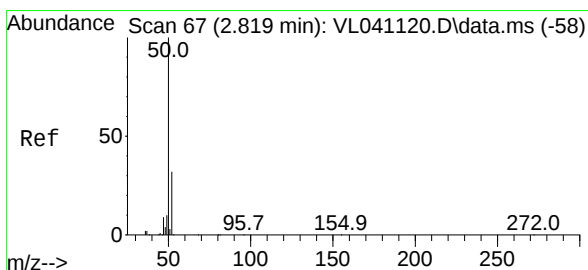
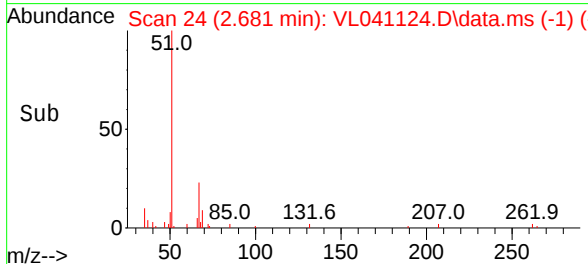
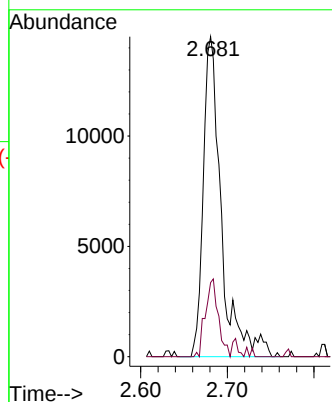
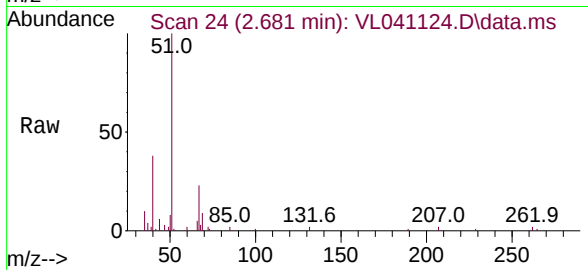




#3
Chlorodifluoromethane
Concen: 0.097 ppbv
RT: 2.681 min Scan# 24
Delta R.T. -0.000 min
Lab File: VL041124.D
Acq: 4 Apr 2024 12:01

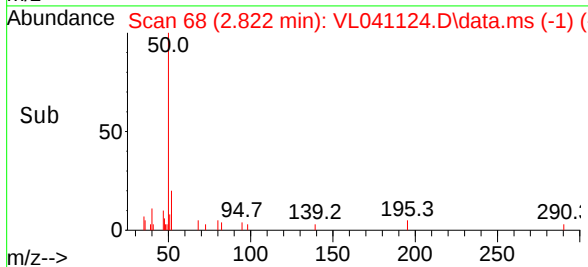
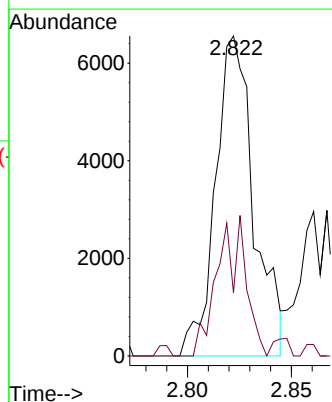
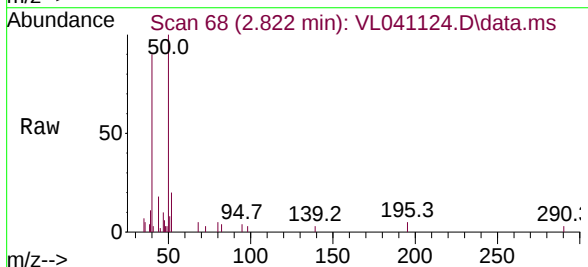
Instrument :
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ClientSampleId :
VSTDIC0.1

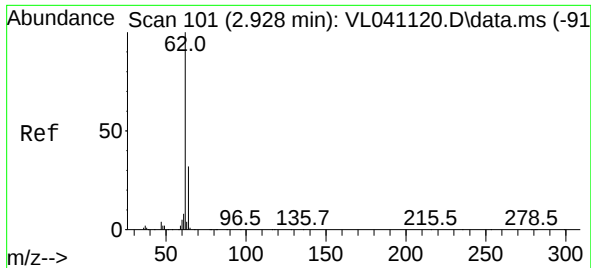
Tgt Ion: 51 Resp: 20978
Ion Ratio Lower Upper
51 100
67 18.9 14.9 22.3



#4
Chloromethane
Concen: 0.103 ppbv
RT: 2.822 min Scan# 68
Delta R.T. 0.003 min
Lab File: VL041124.D
Acq: 4 Apr 2024 12:01

Tgt Ion: 50 Resp: 8401
Ion Ratio Lower Upper
50 100
52 18.4 26.0 39.0#

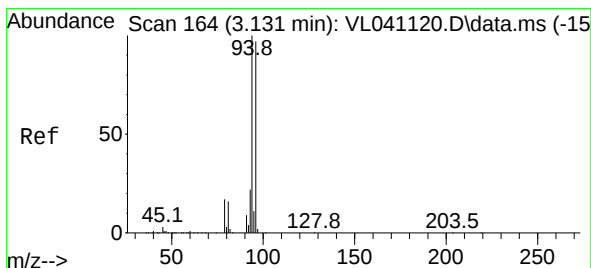
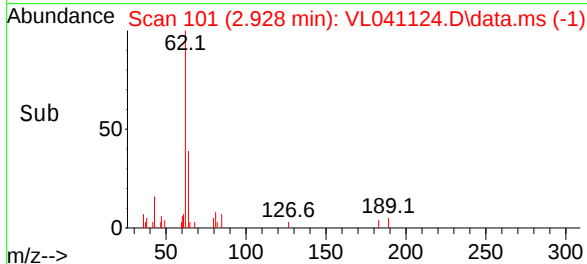
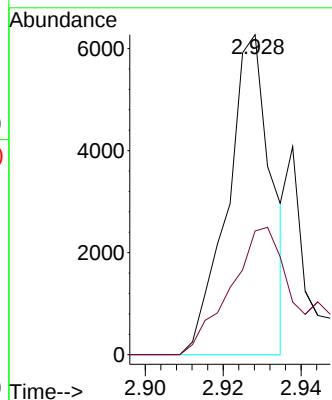
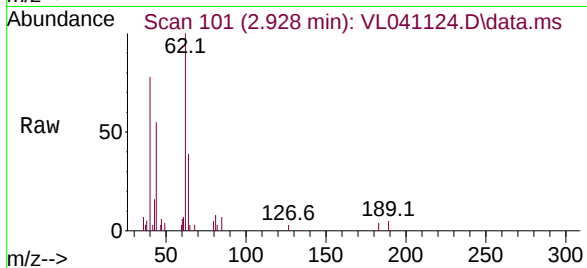




#5
 Vinyl Chloride
 Concen: 0.063 ppbv
 RT: 2.928 min Scan# 101
 Delta R.T. -0.000 min
 Lab File: VL041124.D
 Acq: 4 Apr 2024 12:01

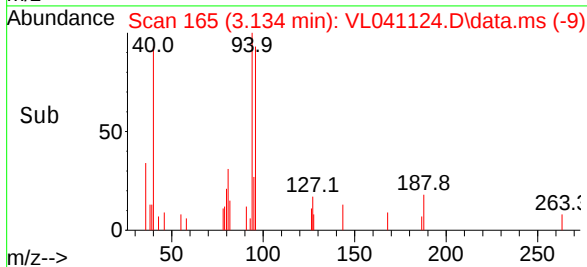
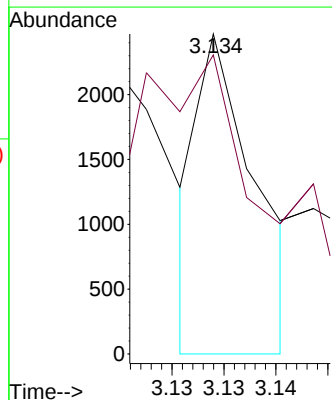
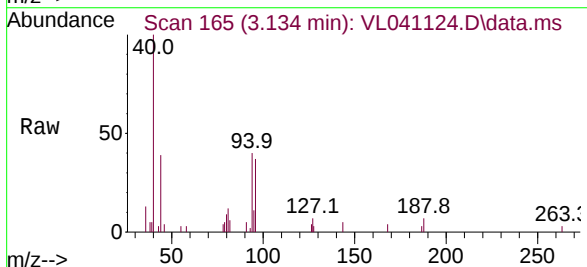
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.1

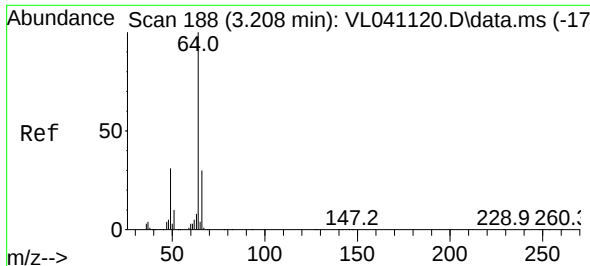
Tgt Ion: 62 Resp: 4905
 Ion Ratio Lower Upper
 62 100
 64 38.7 25.6 38.4#



#6
 Bromomethane
 Concen: 0.032 ppbv
 RT: 3.134 min Scan# 165
 Delta R.T. 0.003 min
 Lab File: VL041124.D
 Acq: 4 Apr 2024 12:01

Tgt Ion: 94 Resp: 951
 Ion Ratio Lower Upper
 94 100
 96 90.3 77.9 116.9

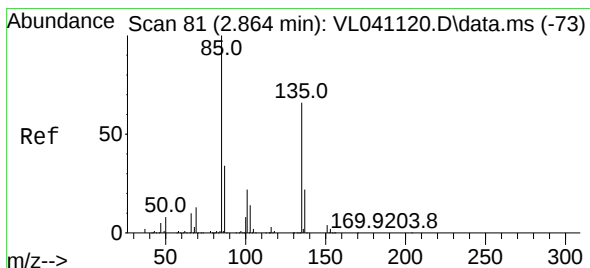
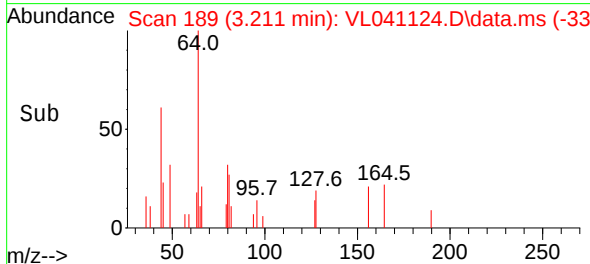
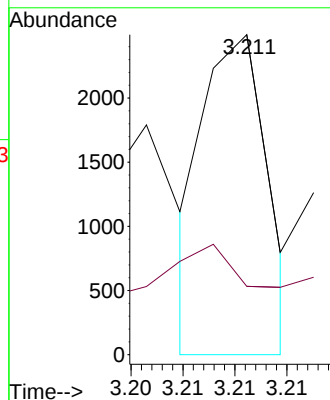
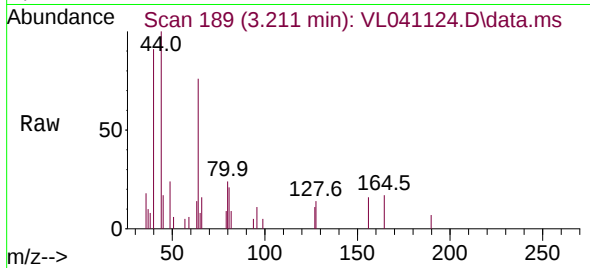




#7
Chloroethane
Concen: 0.037 ppbv
RT: 3.211 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL041124.D
Acq: 4 Apr 2024 12:01

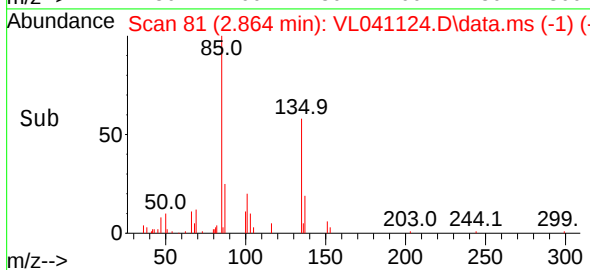
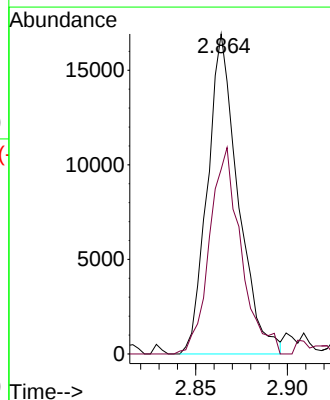
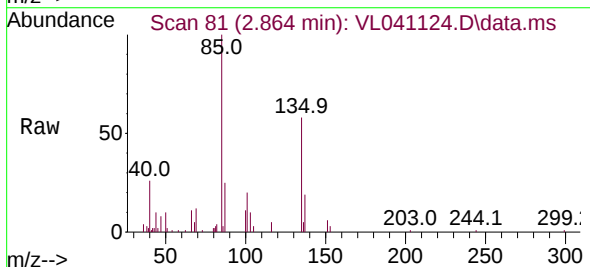
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ClientSampleId :
VSTDIC0.1

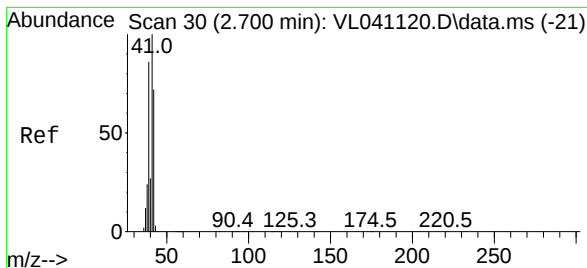
Tgt Ion: 64 Resp: 1066
Ion Ratio Lower Upper
64 100
66 21.3 24.2 36.4#



#8
Dichlorotetrafluoroethane
Concen: 0.096 ppbv
RT: 2.864 min Scan# 81
Delta R.T. -0.000 min
Lab File: VL041124.D
Acq: 4 Apr 2024 12:01

Tgt Ion: 85 Resp: 19710
Ion Ratio Lower Upper
85 100
135 68.7 54.2 81.2





#9

Propene

Concen: 0.115 ppbv

RT: 2.700 min Scan# 30

Delta R.T. -0.000 min

Lab File: VL041124.D

Acq: 4 Apr 2024 12:01

Instrument :

MSVOA_1

ClientSampleId :

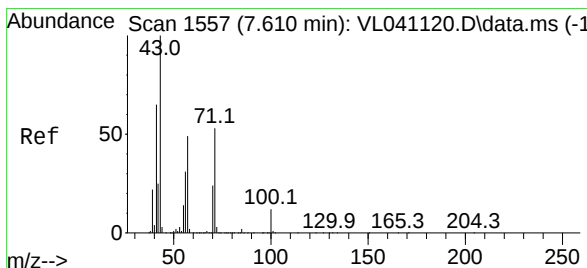
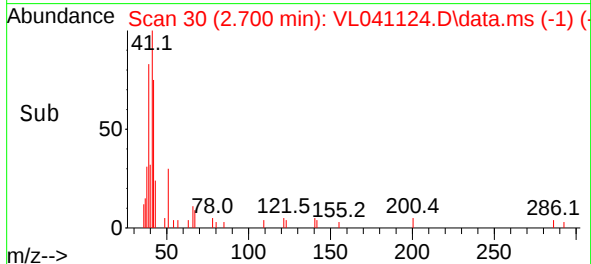
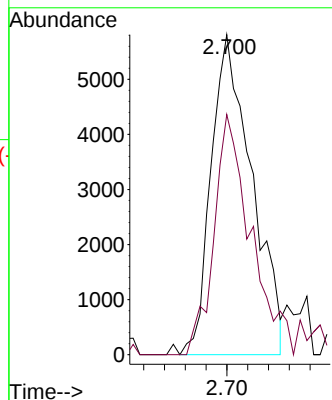
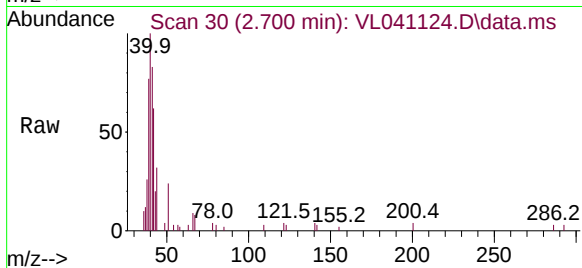
VSTDICC0.1

Tgt Ion: 41 Resp: 7898

Ion Ratio Lower Upper

41 100

42 75.8 60.1 90.1



#10

Heptane

Concen: 0.037 ppbv

RT: 7.610 min Scan# 1557

Delta R.T. -0.000 min

Lab File: VL041124.D

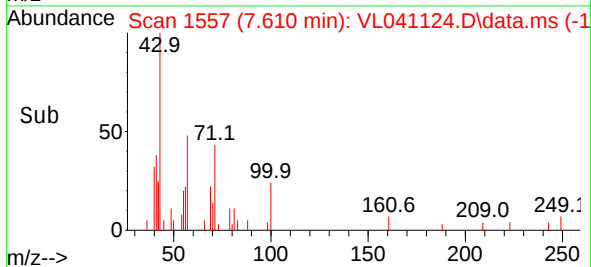
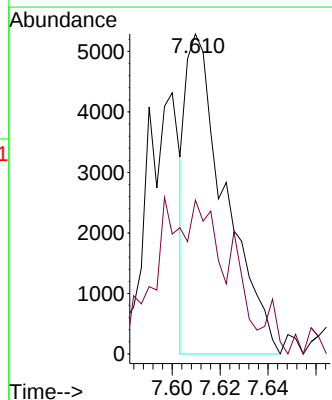
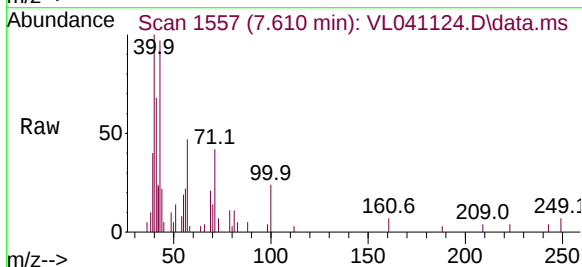
Acq: 4 Apr 2024 12:01

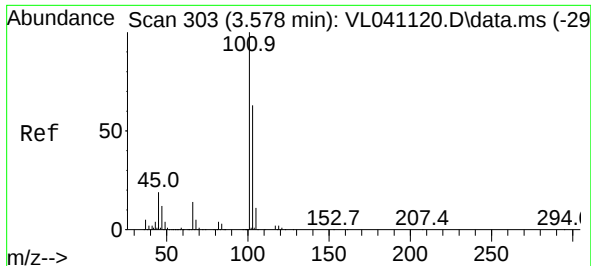
Tgt Ion: 43 Resp: 6044

Ion Ratio Lower Upper

43 100

57 0.0 39.9 59.9#





#11

Trichlorofluoromethane

Concen: 0.091 ppbv

RT: 3.574 min Scan# 303

Delta R.T. -0.003 min

Lab File: VL041124.D

Acq: 4 Apr 2024 12:01

Instrument :

MSVOA_1

ClientSampleId :

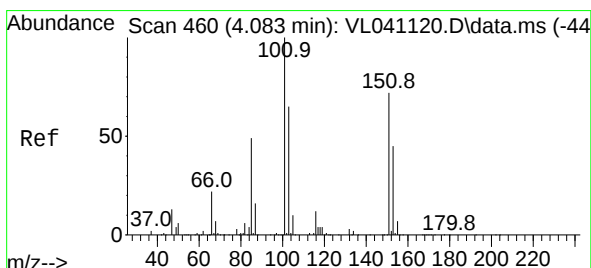
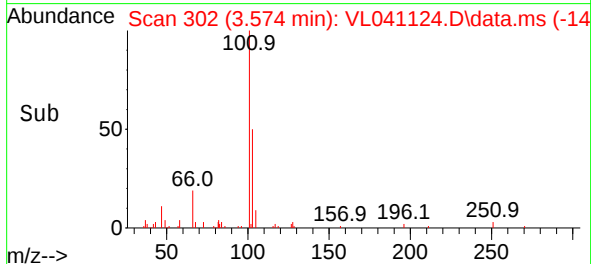
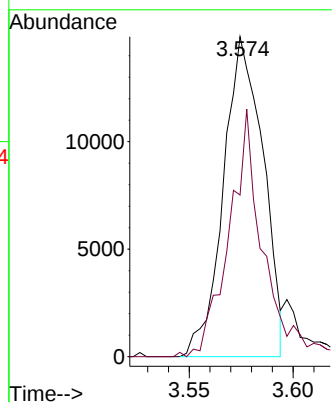
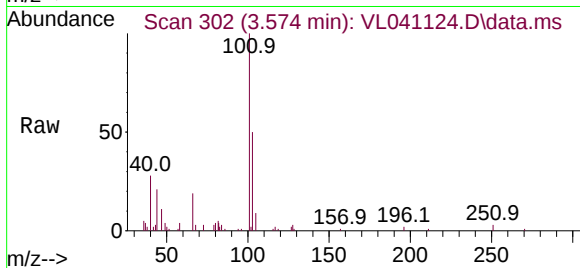
VSTDIC0.1

Tgt Ion:101 Resp: 19796

Ion Ratio Lower Upper

101 100

103 49.2 50.6 75.8#



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.039 ppbv

RT: 4.082 min Scan# 460

Delta R.T. -0.000 min

Lab File: VL041124.D

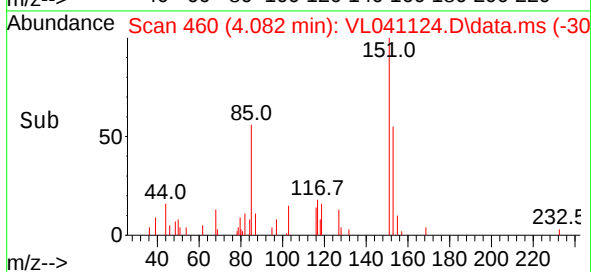
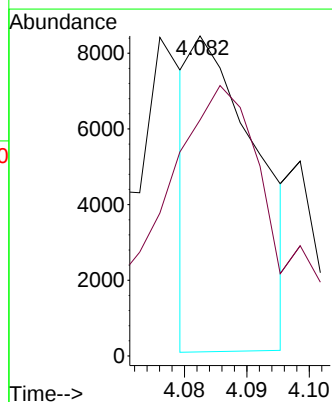
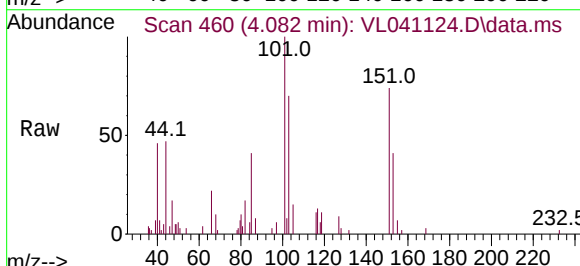
Acq: 4 Apr 2024 12:01

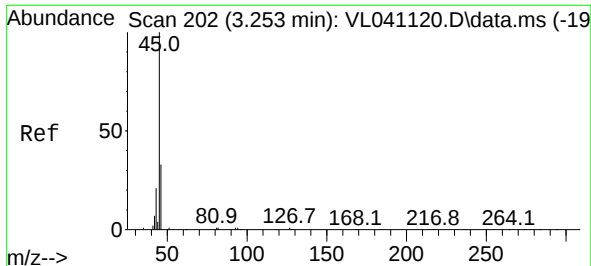
Tgt Ion:101 Resp: 6072

Ion Ratio Lower Upper

101 100

151 168.8 56.2 84.4#





#13

Ethanol

Concen: 0.051 ppbv

RT: 3.275 min Scan# 20

Delta R.T. 0.022 min

Lab File: VL041124.D

Acq: 4 Apr 2024 12:01

Instrument :

MSVOA_L

ClientSampleId :

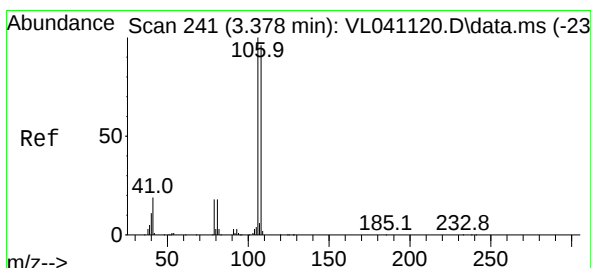
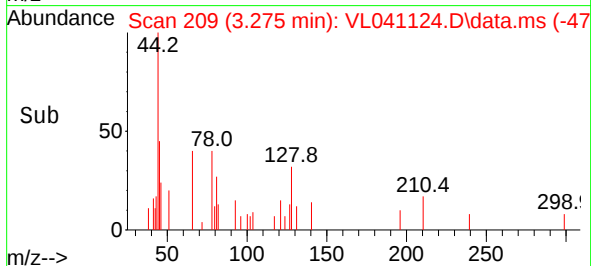
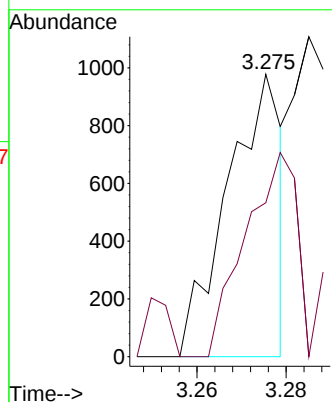
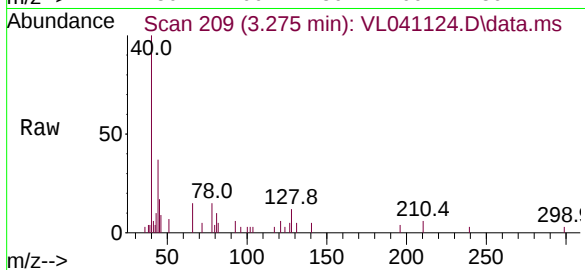
VSTDIC0.1

Tgt Ion: 45 Resp: 824

Ion Ratio Lower Upper

45 100

46 110.8 15.0 59.8#



#14

Bromoethene

Concen: 0.042 ppbv

RT: 3.375 min Scan# 240

Delta R.T. -0.003 min

Lab File: VL041124.D

Acq: 4 Apr 2024 12:01

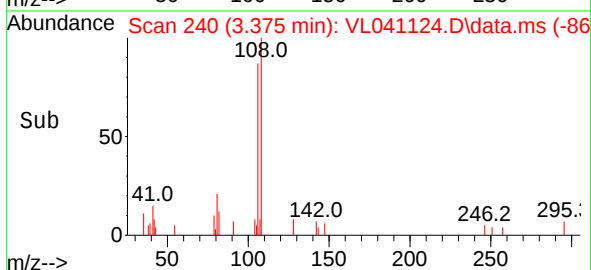
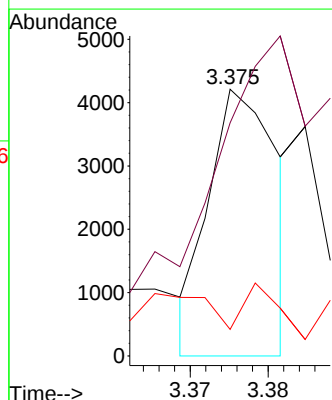
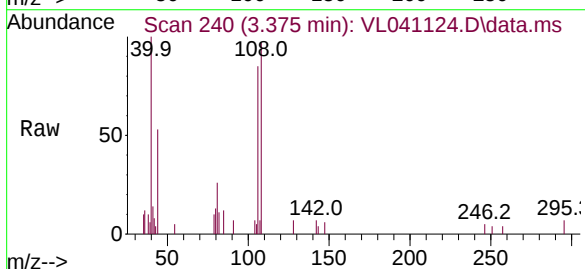
Tgt Ion:108 Resp: 2576

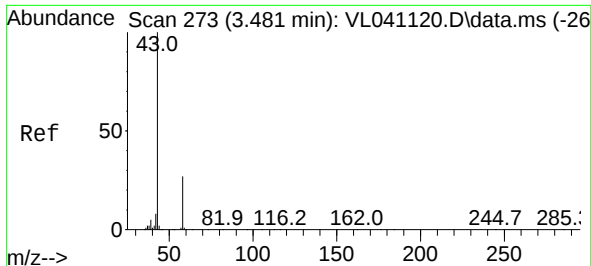
Ion Ratio Lower Upper

108 100

106 0.0 86.0 129.0#

79 0.0 15.4 23.2#

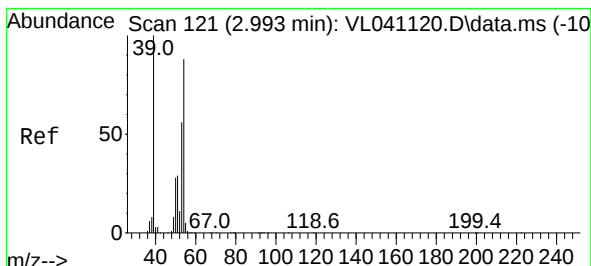
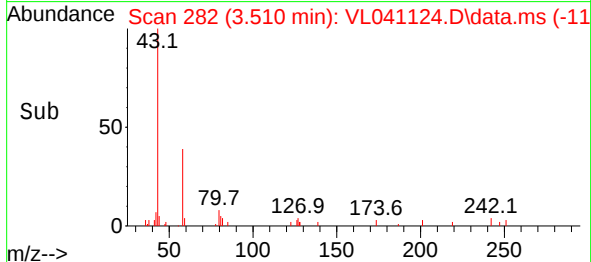
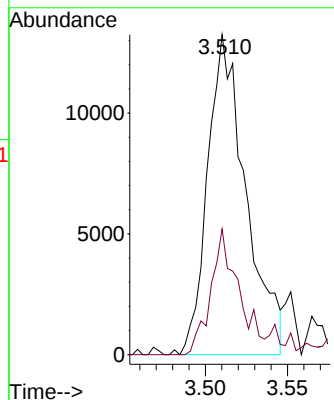
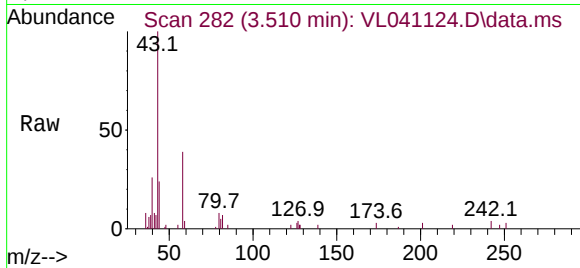




#15
Acetone
Concen: 0.141 ppbv
RT: 3.510 min Scan# 21
Delta R.T. 0.029 min
Lab File: VL041124.D
Acq: 4 Apr 2024 12:01

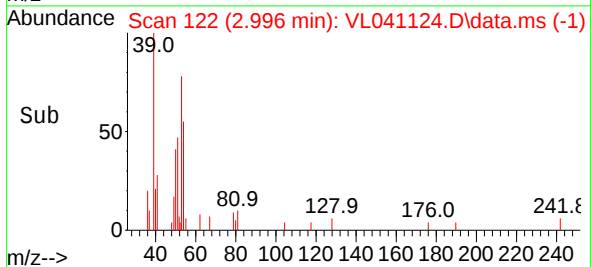
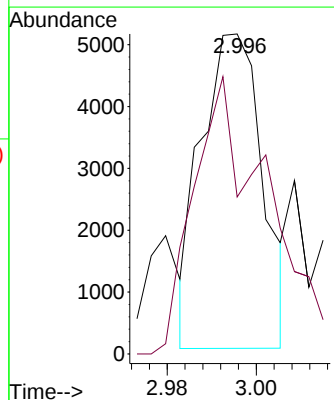
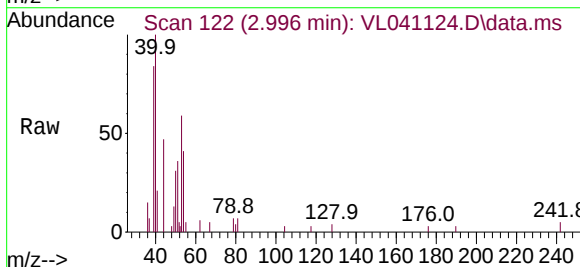
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

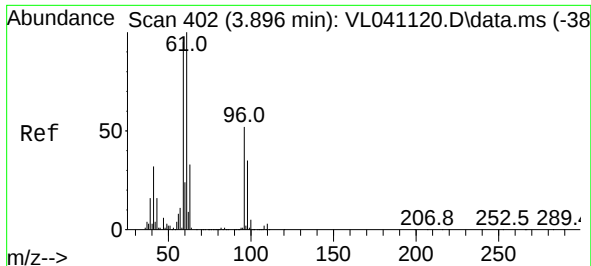
Tgt Ion: 43 Resp: 21417
Ion Ratio Lower Upper
43 100
58 32.6 21.1 31.7#



#16
1,3-Butadiene
Concen: 0.065 ppbv
RT: 2.996 min Scan# 122
Delta R.T. 0.003 min
Lab File: VL041124.D
Acq: 4 Apr 2024 12:01

Tgt Ion: 39 Resp: 4873
Ion Ratio Lower Upper
39 100
54 123.3 63.5 95.3#





#17

tert-Butyl alcohol

Concen: 0.004 ppbv

RT: 3.899 min Scan# 403

Delta R.T. 0.003 min

Lab File: VL041124.D

Acq: 4 Apr 2024 12:01

Instrument :

MSVOA_1

ClientSampleId :

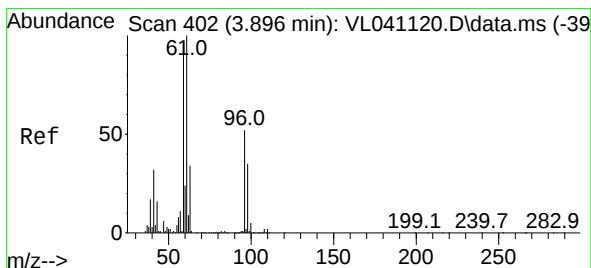
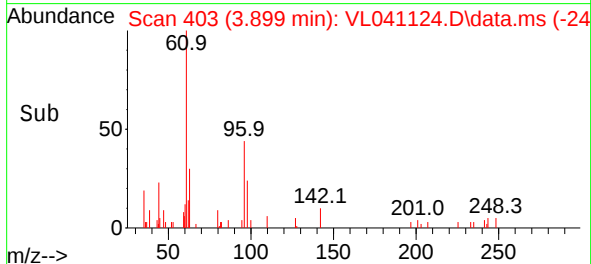
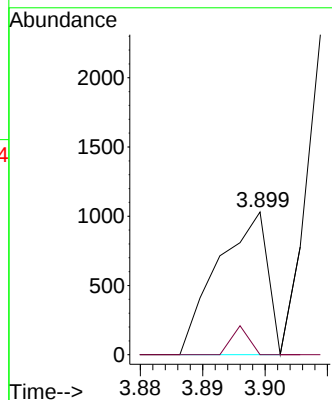
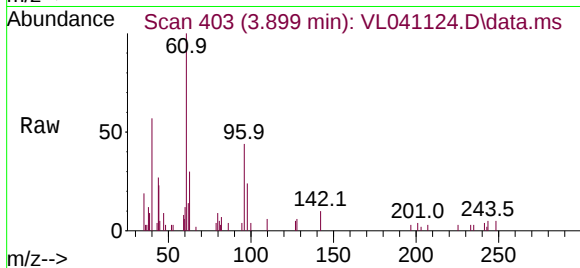
VSTDIC0.1

Tgt Ion: 59 Resp: 572

Ion Ratio Lower Upper

59 100

57 15.2 8.7 13.1#



#18

1,1-Dichloroethene

Concen: 0.060 ppbv

RT: 3.896 min Scan# 402

Delta R.T. -0.000 min

Lab File: VL041124.D

Acq: 4 Apr 2024 12:01

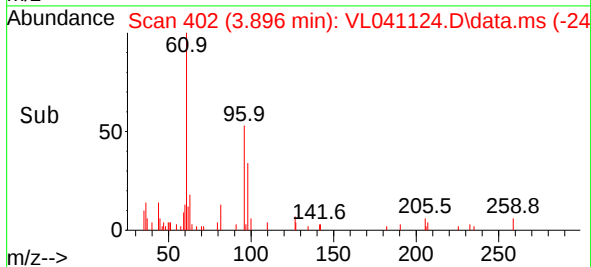
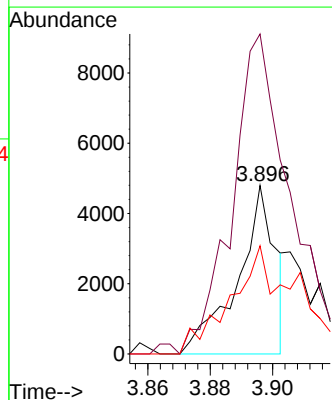
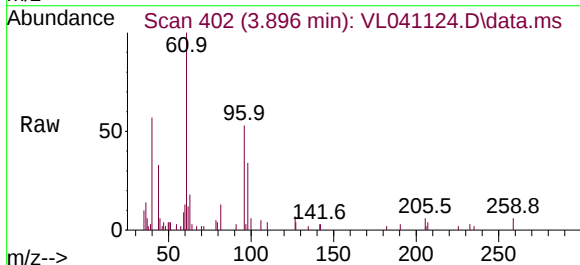
Tgt Ion: 96 Resp: 4028

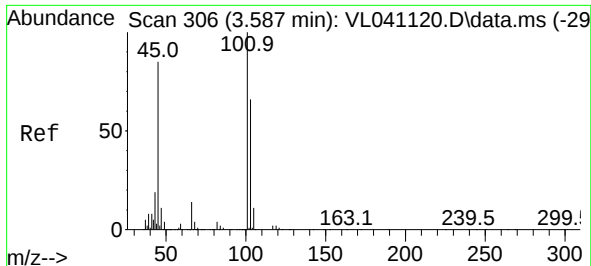
Ion Ratio Lower Upper

96 100

61 212.5 152.6 228.8

98 64.2 54.0 81.0





#19

Isopropyl Alcohol

Concen: 0.001 ppbv

RT: 3.562 min Scan# 20

Delta R.T. -0.026 min

Lab File: VL041124.D

Acq: 4 Apr 2024 12:01

Instrument :

MSVOA_1

ClientSampleId :

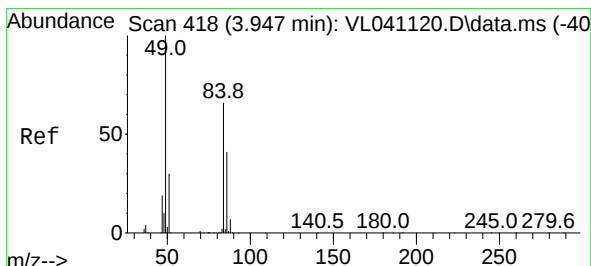
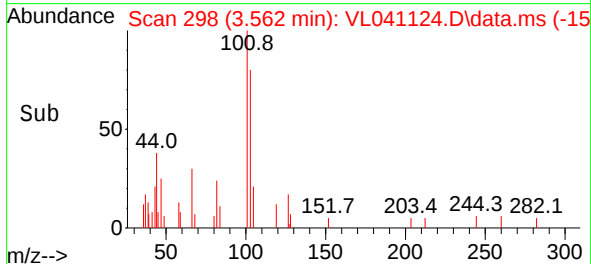
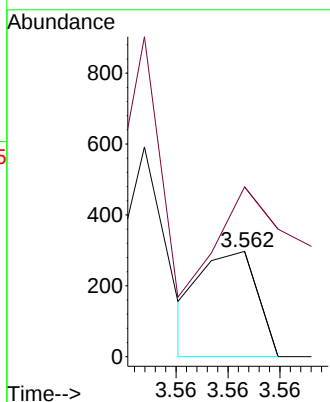
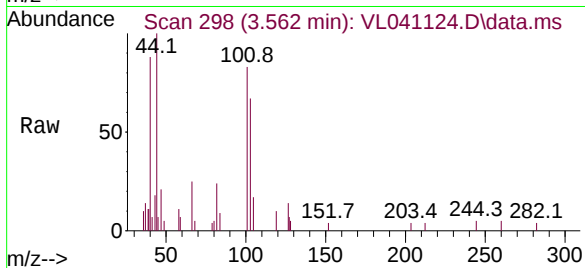
VSTDIC0.1

Tgt Ion: 45 Resp: 110

Ion Ratio Lower Upper

45 100

58 818.2 2.8 4.2#



#20

Methylene Chloride

Concen: 0.214 ppbv

RT: 3.951 min Scan# 419

Delta R.T. 0.003 min

Lab File: VL041124.D

Acq: 4 Apr 2024 12:01

Tgt Ion: 84 Resp: 13413

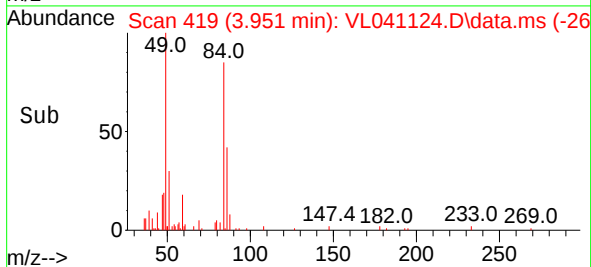
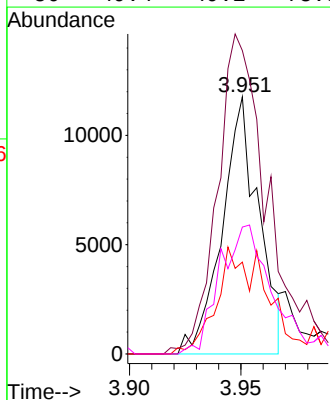
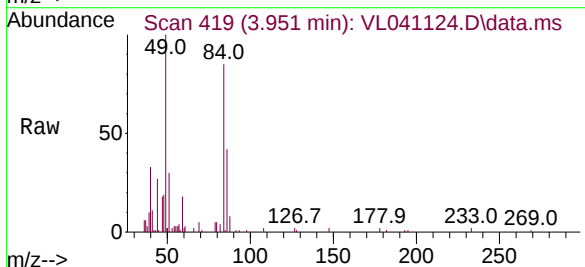
Ion Ratio Lower Upper

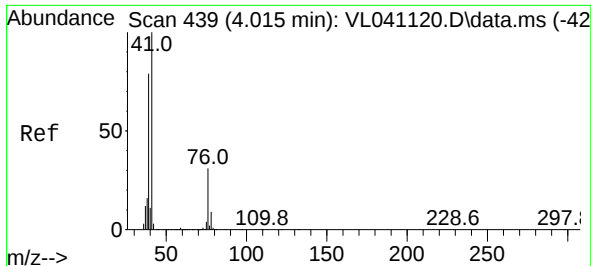
84 100

49 118.7 120.7 181.1#

51 33.3 36.6 54.8#

86 49.4 49.2 73.8





#21

Allyl Chloride

Concen: 0.088 ppbv

RT: 4.015 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL041124.D

Acq: 4 Apr 2024 12:01

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

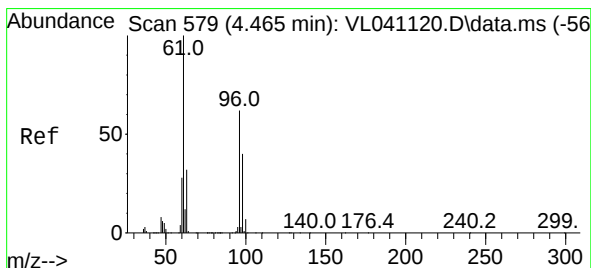
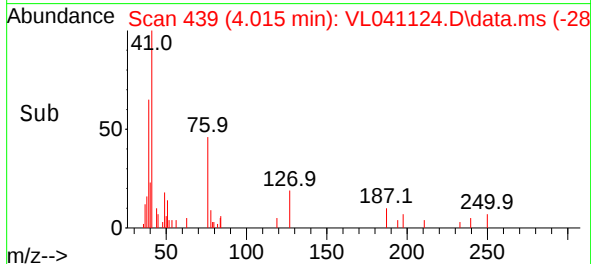
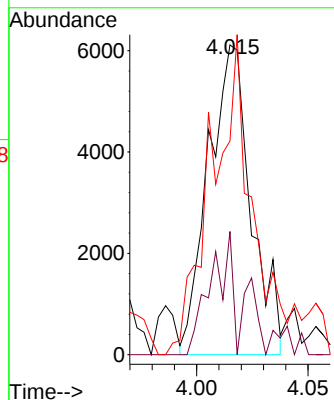
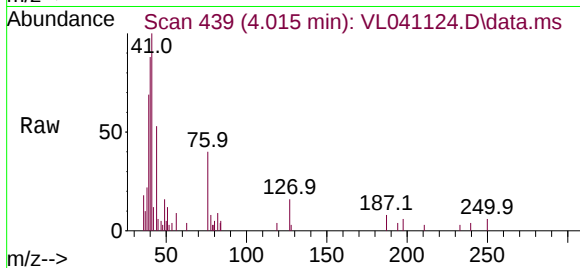
Tgt Ion: 41 Resp: 8165

Ion Ratio Lower Upper

41 100

76 32.0 25.7 38.5

39 111.8 65.7 98.5#



#22

trans-1,2-Dichloroethene

Concen: 0.016 ppbv

RT: 4.452 min Scan# 575

Delta R.T. -0.013 min

Lab File: VL041124.D

Acq: 4 Apr 2024 12:01

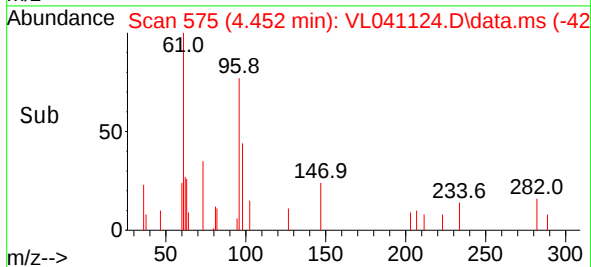
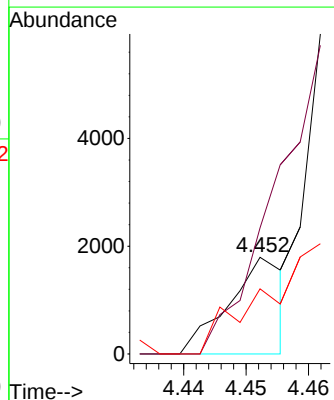
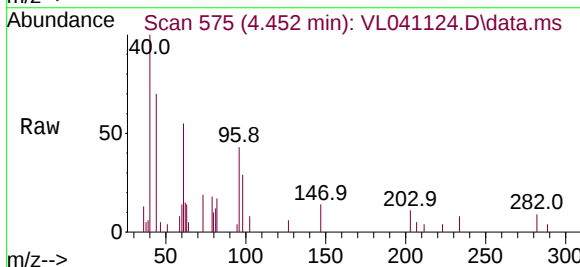
Tgt Ion: 96 Resp: 1106

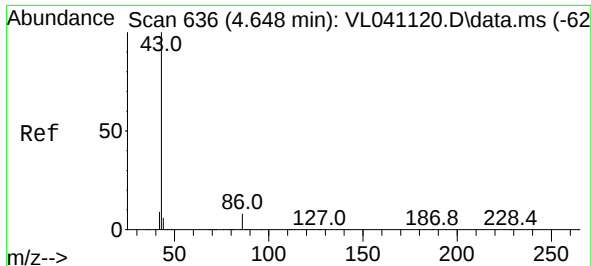
Ion Ratio Lower Upper

96 100

61 130.5 128.4 192.6

98 67.4 51.5 77.3

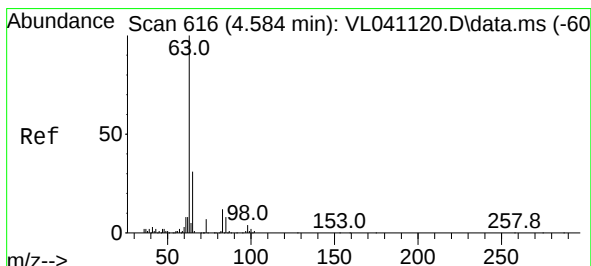
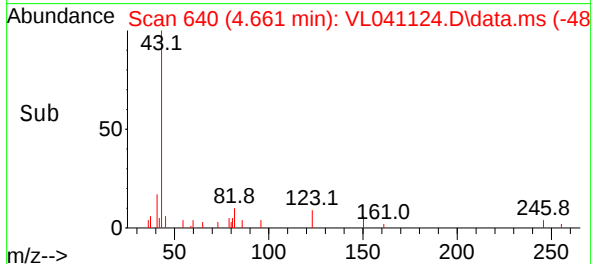
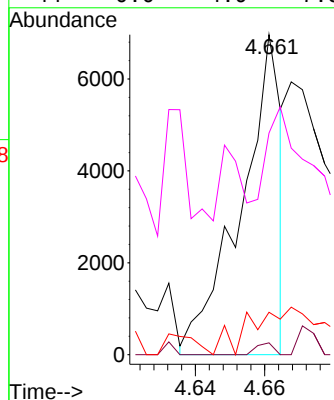
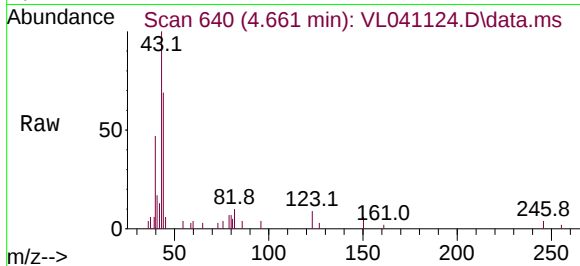




#23
 Vinyl Acetate
 Concen: 0.035 ppbv
 RT: 4.661 min Scan# 640
 Delta R.T. 0.013 min
 Lab File: VL041124.D
 Acq: 4 Apr 2024 12:01

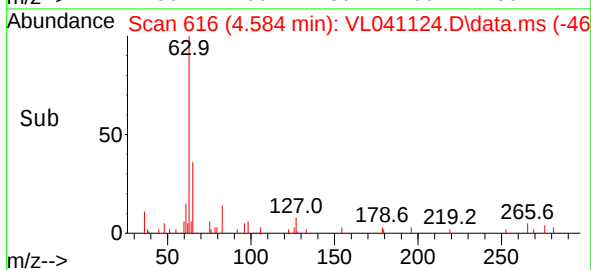
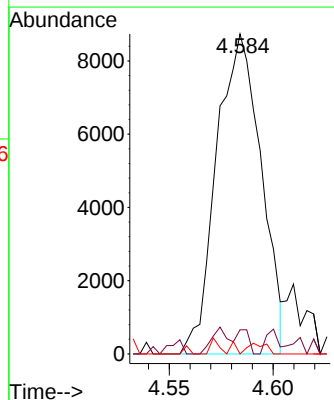
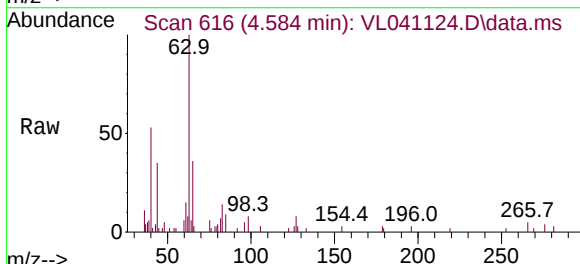
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.1

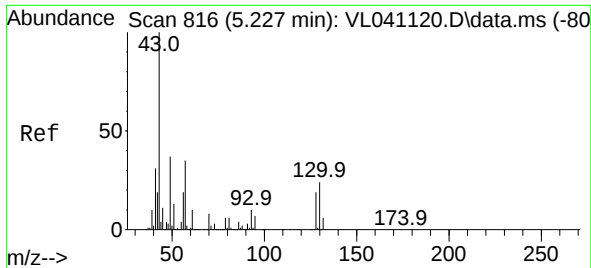
Tgt Ion: 43 Resp: 5589
 Ion Ratio Lower Upper
 43 100
 86 3.8 6.2 9.4#
 42 7.8 7.7 11.5
 44 0.0 4.9 7.3#



#24
 1,1-Dichloroethane
 Concen: 0.092 ppbv
 RT: 4.584 min Scan# 616
 Delta R.T. -0.000 min
 Lab File: VL041124.D
 Acq: 4 Apr 2024 12:01

Tgt Ion: 63 Resp: 13018
 Ion Ratio Lower Upper
 63 100
 98 5.4 2.1 6.3
 100 0.0 1.1 3.3#

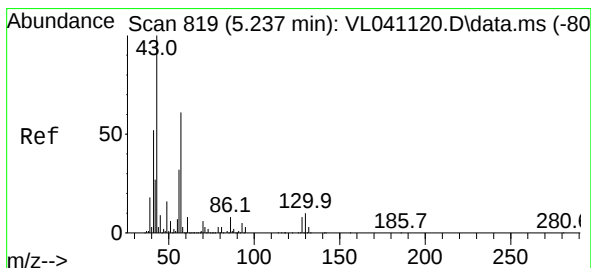
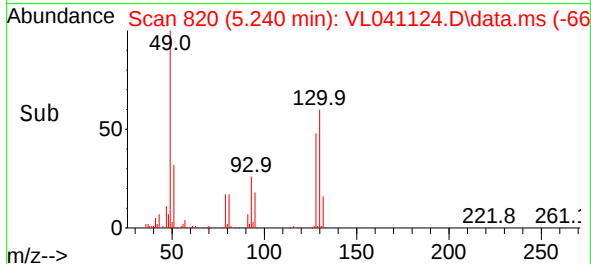
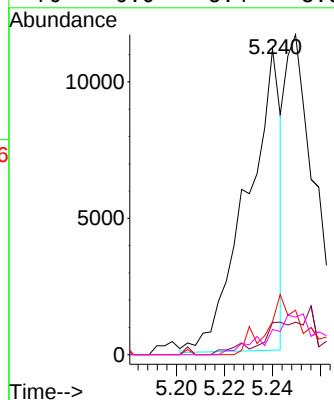
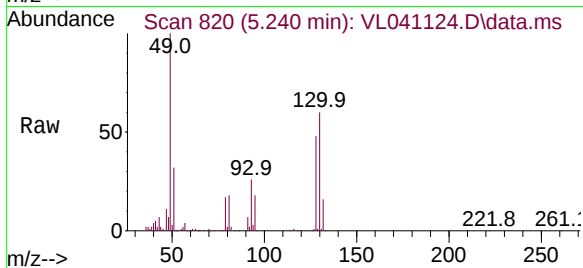




#25
Ethyl Acetate
Concen: 0.038 ppbv
RT: 5.240 min Scan# 816
Delta R.T. 0.013 min
Lab File: VL041124.D
Acq: 4 Apr 2024 12:01

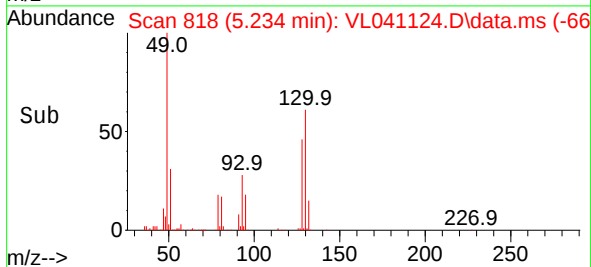
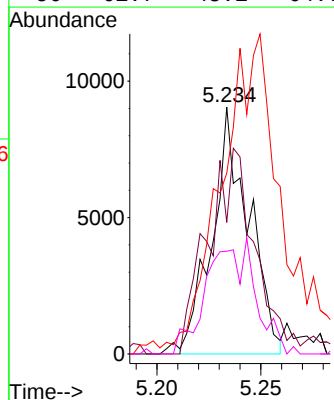
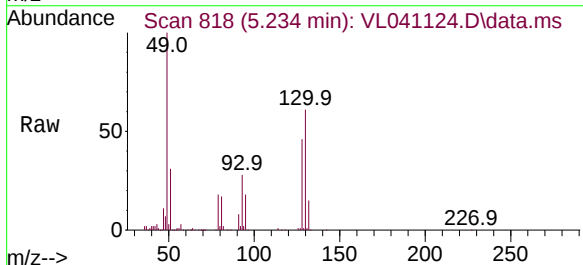
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

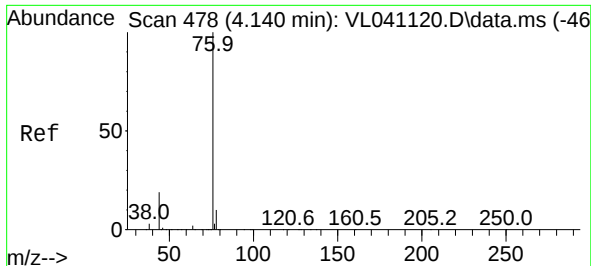
Tgt Ion: 43 Resp: 10860
Ion Ratio Lower Upper
43 100
45 0.0 8.0 12.0#
61 26.8 7.8 11.6#
70 0.0 5.4 8.0#



#26
Hexane
Concen: 0.086 ppbv
RT: 5.234 min Scan# 818
Delta R.T. -0.003 min
Lab File: VL041124.D
Acq: 4 Apr 2024 12:01

Tgt Ion: 57 Resp: 11033
Ion Ratio Lower Upper
57 100
41 117.1 73.8 110.8#
43 241.9 186.2 279.2
56 61.7 43.1 64.7

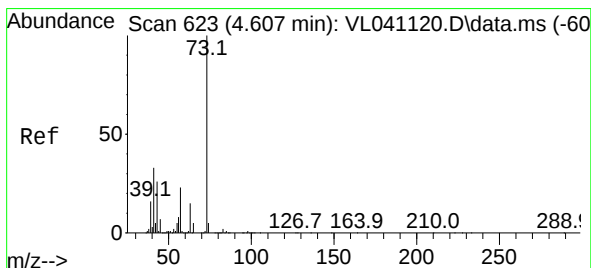
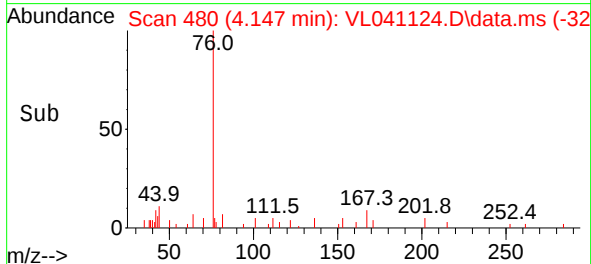
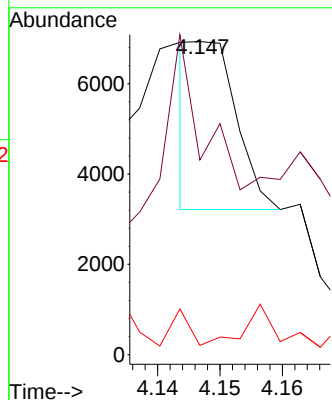
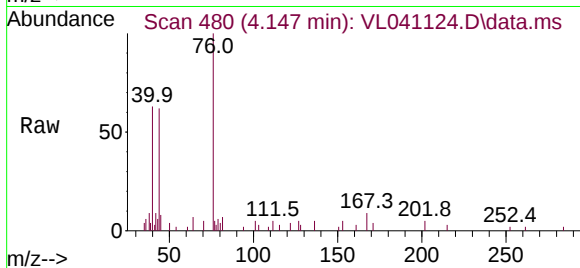




#27
Carbon Disulfide
Concen: 0.012 ppbv
RT: 4.147 min Scan# 41
Delta R.T. 0.006 min
Lab File: VL041124.D
Acq: 4 Apr 2024 12:01

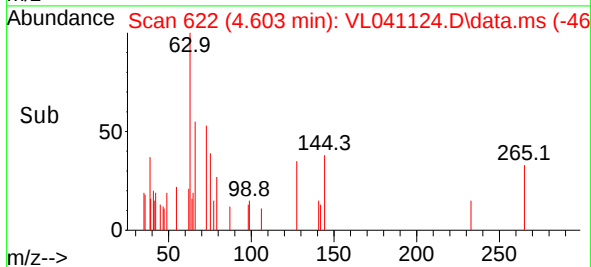
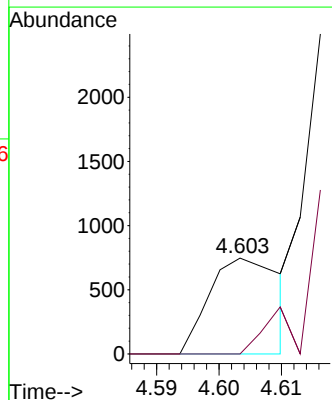
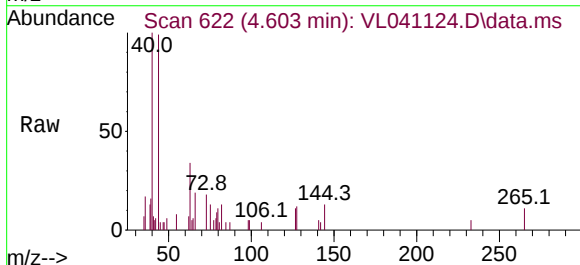
Instrument :
MSVOA_1
ClientSampleId :
VSTDICC0.1

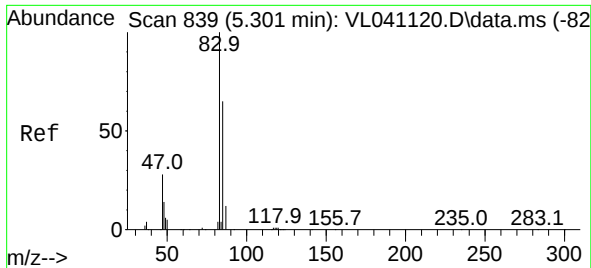
Tgt Ion: 76 Resp: 1841
Ion Ratio Lower Upper
76 100
44 328.4 16.3 24.5#
78 96.0 7.9 11.9#



#28
Methyl tert-Butyl Ether
Concen: 0.006 ppbv
RT: 4.603 min Scan# 622
Delta R.T. -0.003 min
Lab File: VL041124.D
Acq: 4 Apr 2024 12:01

Tgt Ion: 73 Resp: 581
Ion Ratio Lower Upper
73 100
57 0.0 18.6 27.8#





#29

Chloroform

Concen: 0.093 ppbv

RT: 5.295 min Scan# 83

Delta R.T. -0.006 min

Lab File: VL041124.D

Acq: 4 Apr 2024 12:01

Instrument :

MSVOA_L

ClientSampleId :

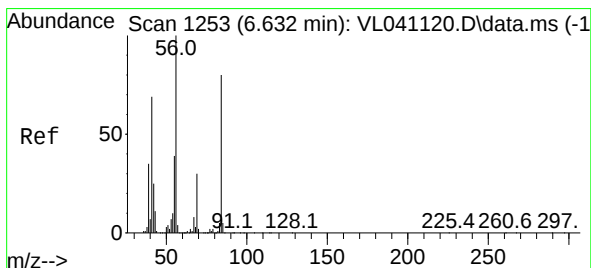
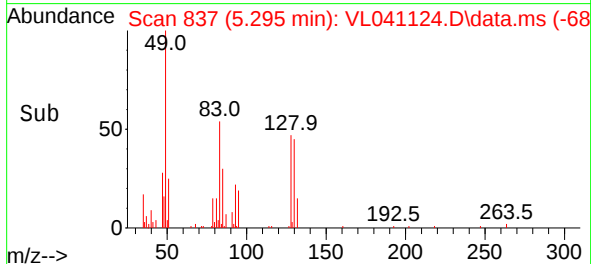
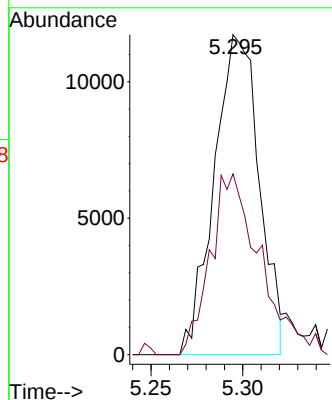
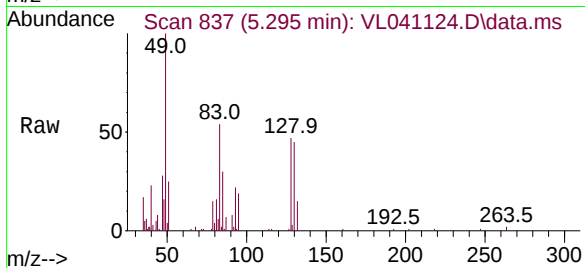
VSTDIC0.1

Tgt Ion: 83 Resp: 20030

Ion Ratio Lower Upper

83 100

85 56.5 51.5 77.3



#30

Cyclohexane

Concen: 0.035 ppbv

RT: 6.635 min Scan# 1254

Delta R.T. 0.003 min

Lab File: VL041124.D

Acq: 4 Apr 2024 12:01

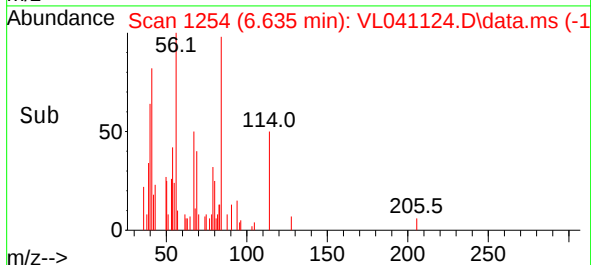
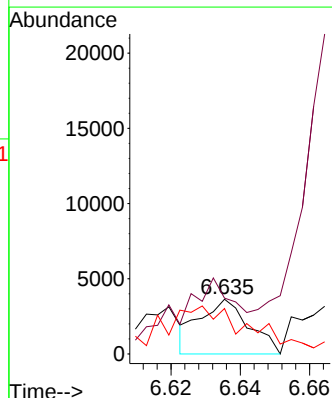
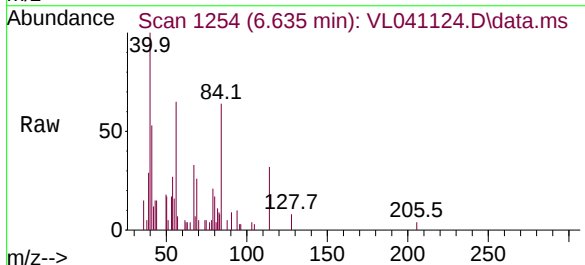
Tgt Ion: 84 Resp: 3595

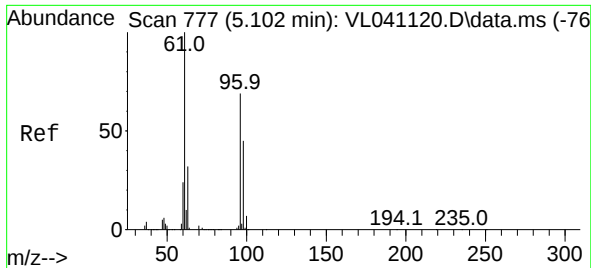
Ion Ratio Lower Upper

84 100

56 0.0 111.9 167.9#

41 186.6 71.0 106.6#





#31

cis-1,2-Dichloroethene

Concen: 0.039 ppbv

RT: 5.102 min Scan# 777

Delta R.T. -0.000 min

Lab File: VL041124.D

Acq: 4 Apr 2024 12:01

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

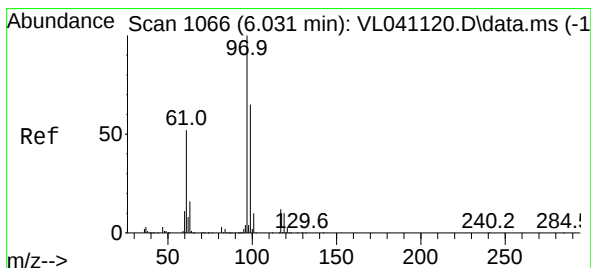
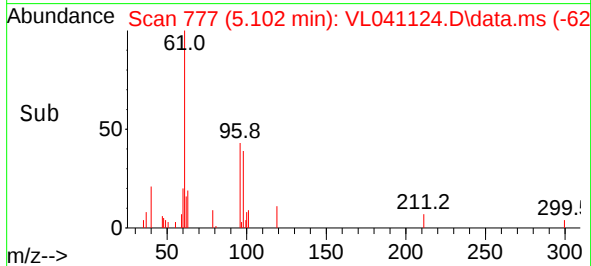
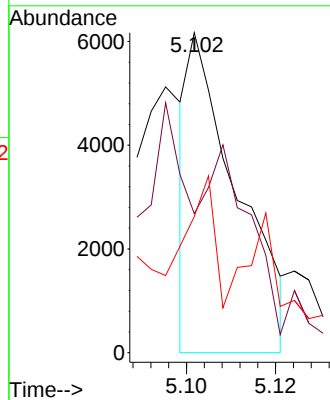
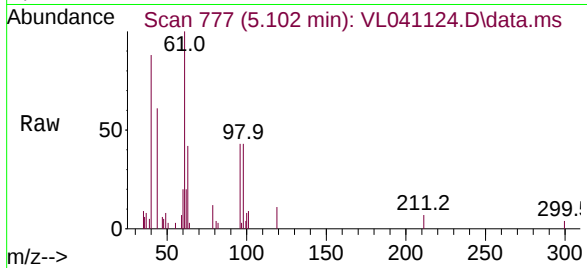
Tgt Ion: 61 Resp: 4700

Ion Ratio Lower Upper

61 100

96 53.4 54.9 82.3#

98 37.0 35.9 53.9



#32

1,1,1-Trichloroethane

Concen: 0.084 ppbv

RT: 6.028 min Scan# 1065

Delta R.T. -0.003 min

Lab File: VL041124.D

Acq: 4 Apr 2024 12:01

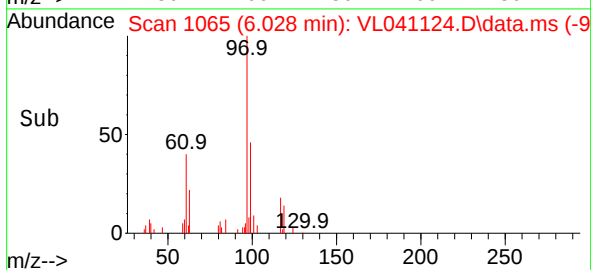
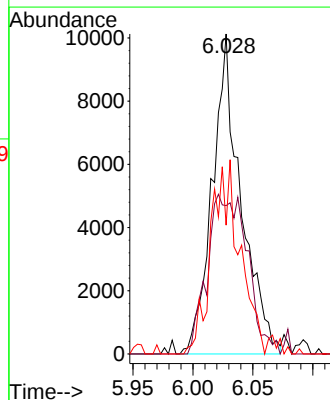
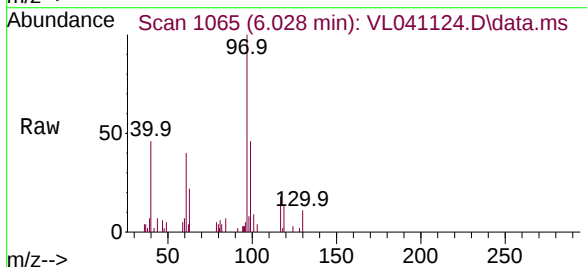
Tgt Ion: 97 Resp: 16783

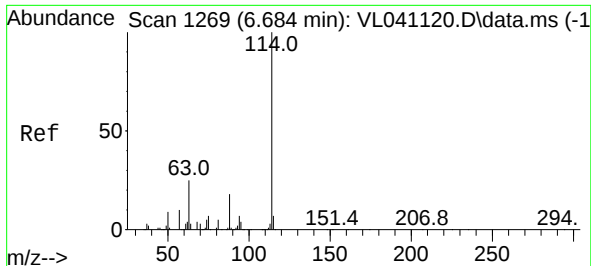
Ion Ratio Lower Upper

97 100

99 70.9 52.0 78.0

61 61.9 40.5 60.7#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.677 min Scan# 11

Delta R.T. -0.006 min

Lab File: VL041124.D

Acq: 4 Apr 2024 12:01

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

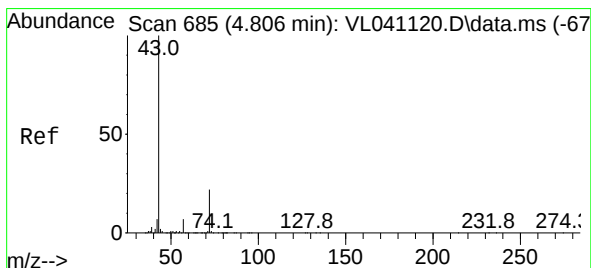
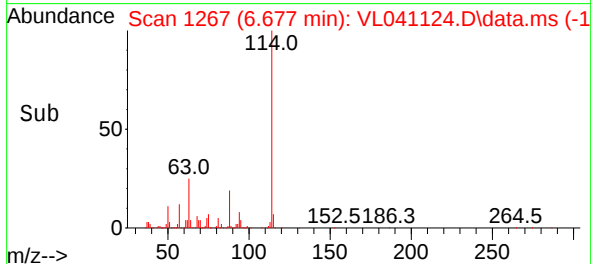
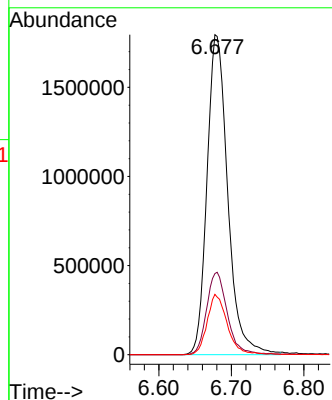
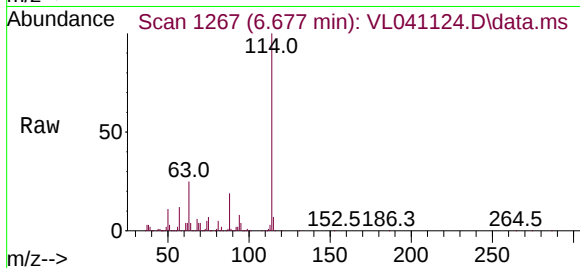
Tgt Ion:114 Resp: 3566458

Ion Ratio Lower Upper

114 100

63 25.9 20.9 31.3

88 18.5 14.5 21.7



#34

2-Butanone

Concen: 0.002 ppbv

RT: 4.806 min Scan# 685

Delta R.T. -0.000 min

Lab File: VL041124.D

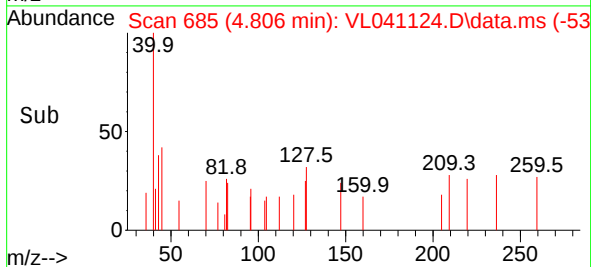
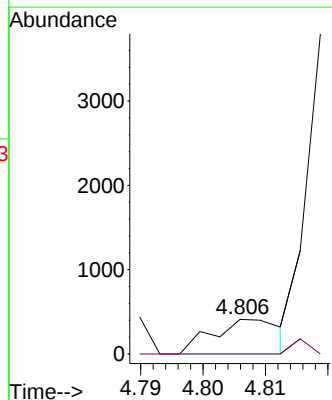
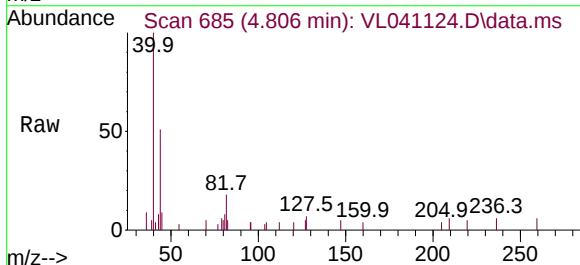
Acq: 4 Apr 2024 12:01

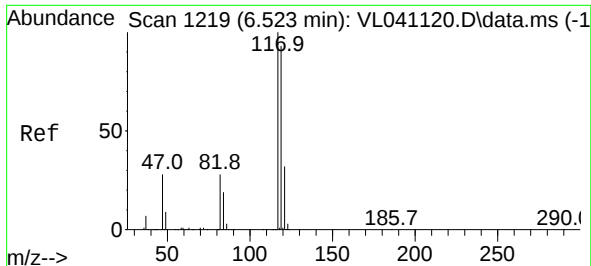
Tgt Ion: 43 Resp: 308

Ion Ratio Lower Upper

43 100

72 0.0 17.6 26.4#

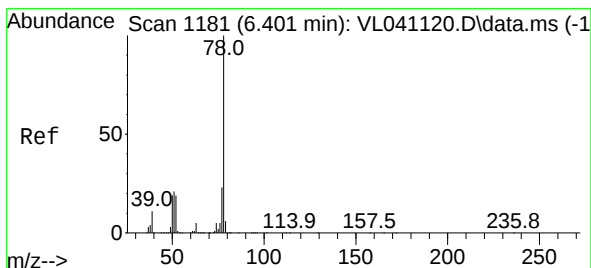
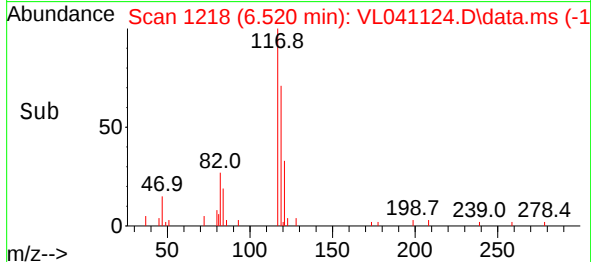
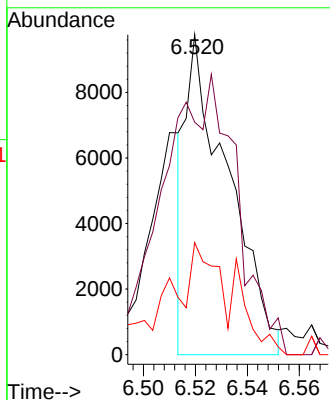
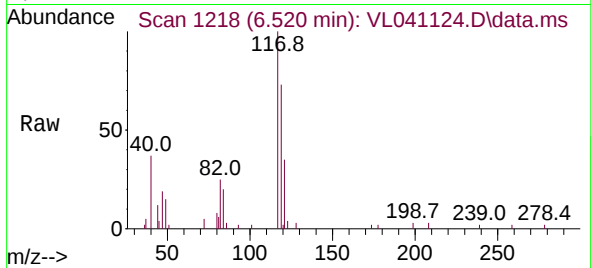




#35
Carbon Tetrachloride
Concen: 0.055 ppbv
RT: 6.520 min Scan# 11091
Delta R.T. -0.003 min
Lab File: VL041124.D
Acq: 4 Apr 2024 12:01

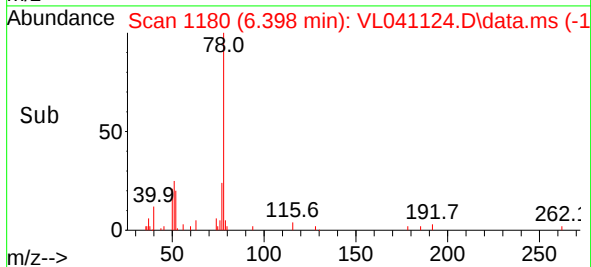
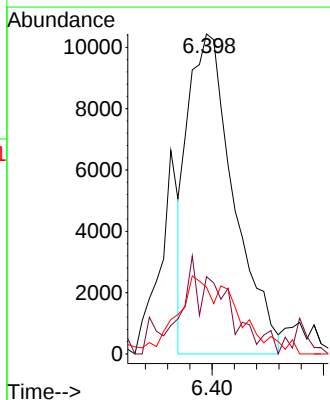
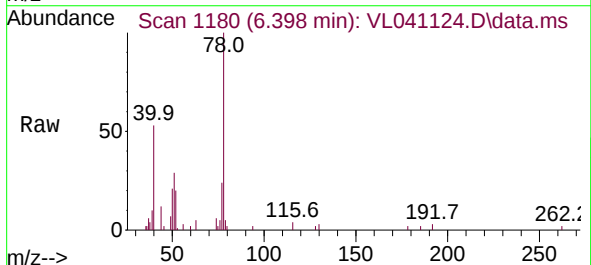
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

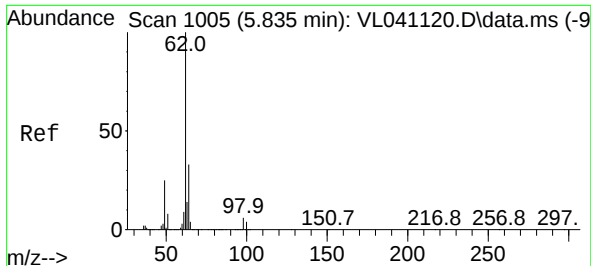
Tgt Ion:117 Resp: 11091
Ion Ratio Lower Upper
117 100
119 66.3 74.2 111.4#
121 35.3 25.4 38.2



#36
Benzene
Concen: 0.057 ppbv
RT: 6.398 min Scan# 1180
Delta R.T. -0.003 min
Lab File: VL041124.D
Acq: 4 Apr 2024 12:01

Tgt Ion: 78 Resp: 14976
Ion Ratio Lower Upper
78 100
77 25.7 18.2 27.4
50 18.1 15.4 23.2





#37

1,2-Dichloroethane

Concen: 0.091 ppbv

RT: 5.835 min Scan# 1

Delta R.T. -0.000 min

Lab File: VL041124.D

Acq: 4 Apr 2024 12:01

Instrument :

MSVOA_L

ClientSampleId :

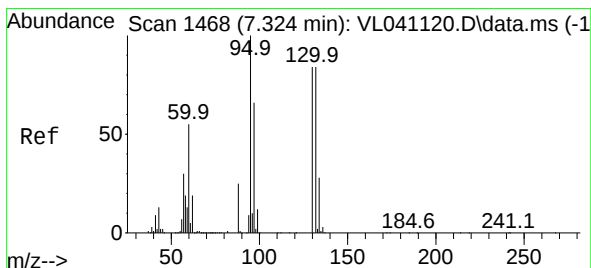
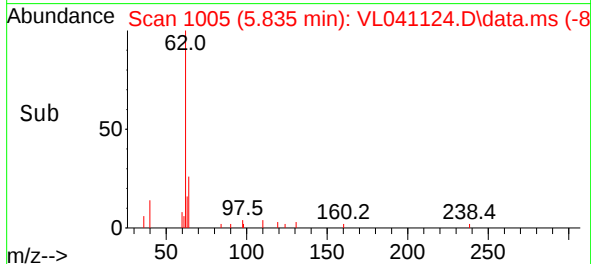
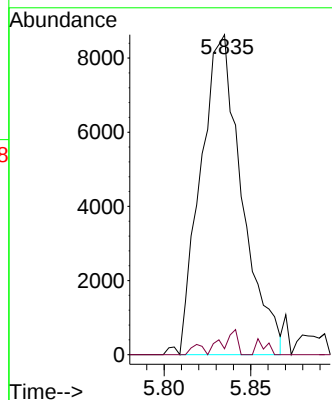
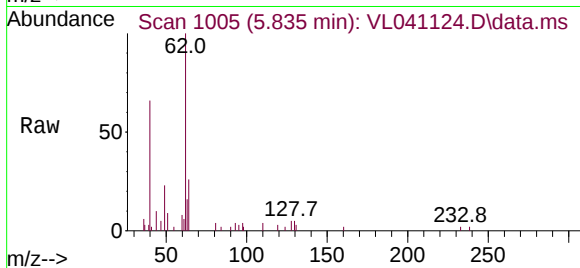
VSTDICC0.1

Tgt Ion: 62 Resp: 14272

Ion Ratio Lower Upper

62 100

98 4.9 4.6 7.0



#38

Trichloroethene

Concen: 0.045 ppbv

RT: 7.314 min Scan# 1465

Delta R.T. -0.010 min

Lab File: VL041124.D

Acq: 4 Apr 2024 12:01

Tgt Ion:130 Resp: 4318

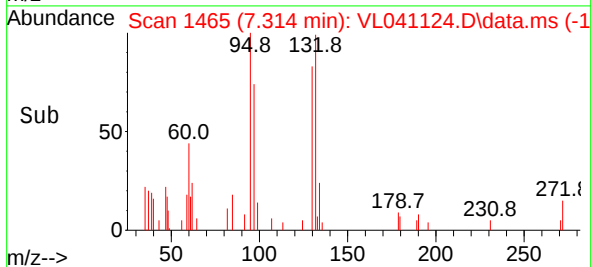
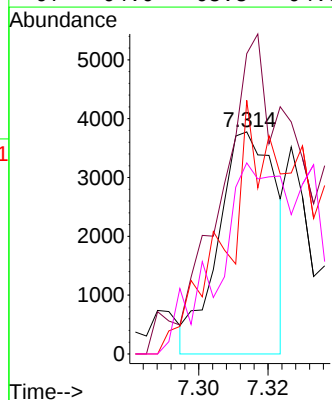
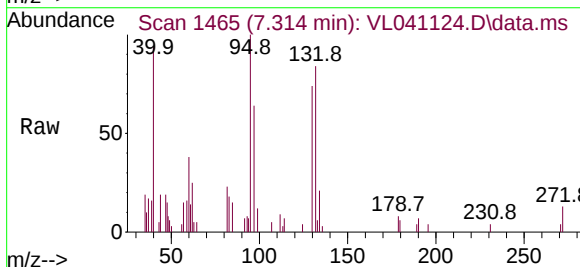
Ion Ratio Lower Upper

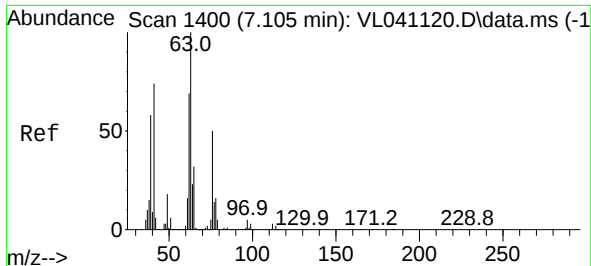
130 100

95 140.1 95.4 143.0

132 116.7 80.0 120.0

97 64.9 63.3 94.9





#39

1,2-Dichloropropane

Concen: 8.793 ppbv

RT: 6.680 min Scan# 1400

Delta R.T. -0.424 min

Lab File: VL041124.D

Acq: 4 Apr 2024 12:01

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

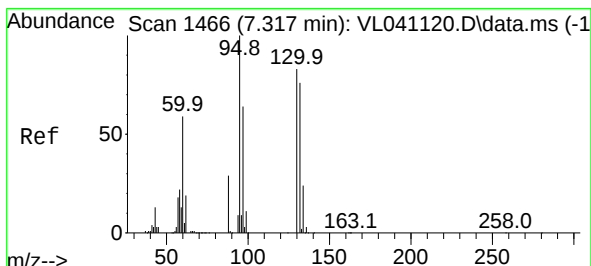
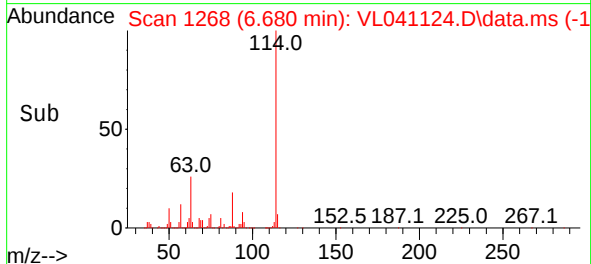
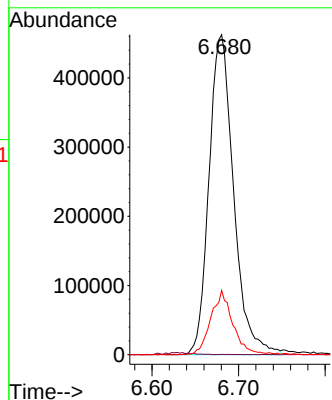
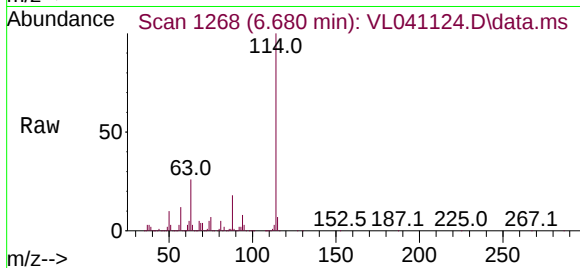
Tgt Ion: 63 Resp: 913067

Ion Ratio Lower Upper

63 100

41 0.1 58.7 88.1#

62 20.0 55.5 83.3#



#40

1,4-Dioxane

Concen: 0.004 ppbv

RT: 7.327 min Scan# 1469

Delta R.T. 0.010 min

Lab File: VL041124.D

Acq: 4 Apr 2024 12:01

Tgt Ion: 88 Resp: 141

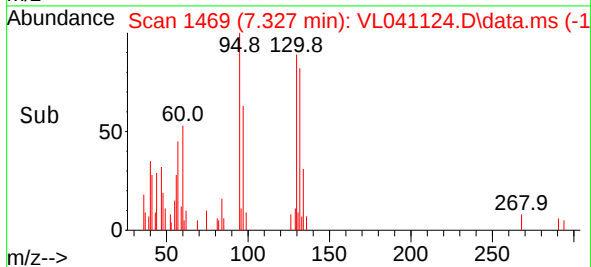
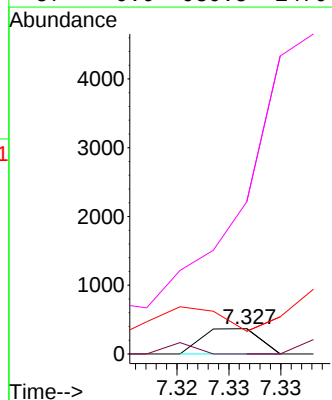
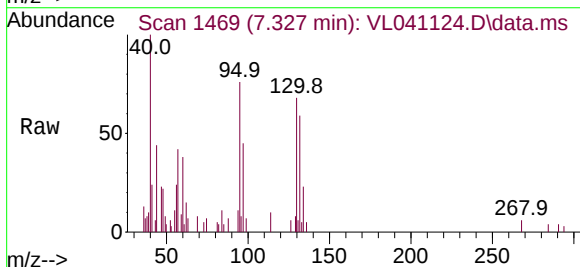
Ion Ratio Lower Upper

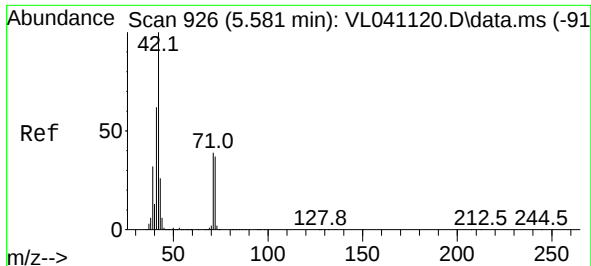
88 100

58 0.0 107.8 161.6#

43 0.0 223.8 335.6#

57 0.0 980.5 1470.7#





#41

Tetrahydrofuran

Concen: 0.001 ppbv

RT: 5.536 min Scan# 91

Delta R.T. -0.045 min

Lab File: VL041124.D

Acq: 4 Apr 2024 12:01

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

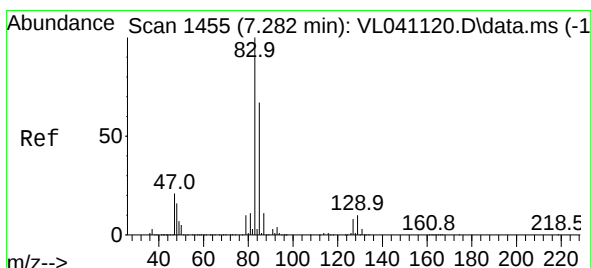
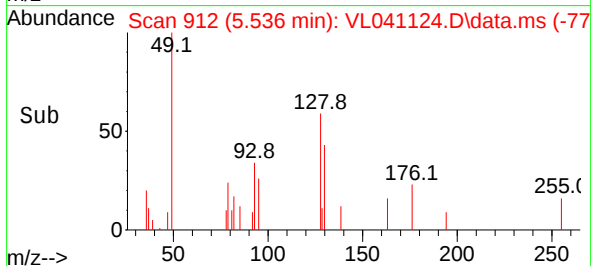
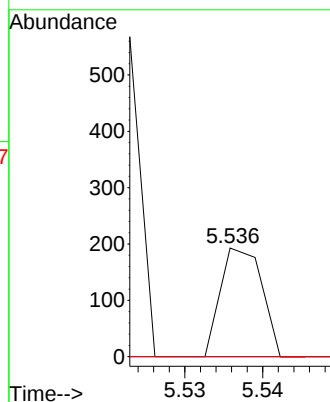
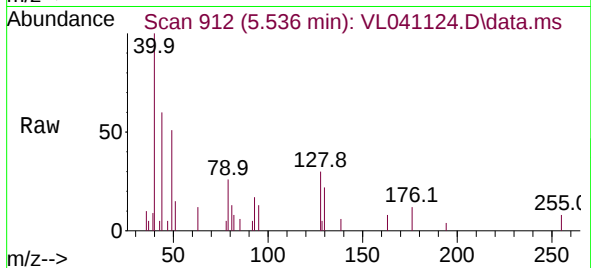
Tgt Ion: 42 Resp: 71

Ion Ratio Lower Upper

42 100

72 0.0 31.2 46.8#

71 0.0 29.9 44.9#



#42

Bromodichloromethane

Concen: 0.069 ppbv

RT: 7.275 min Scan# 1453

Delta R.T. -0.006 min

Lab File: VL041124.D

Acq: 4 Apr 2024 12:01

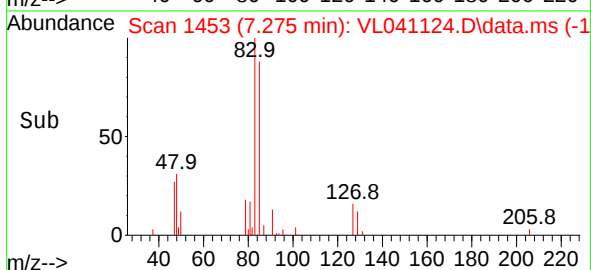
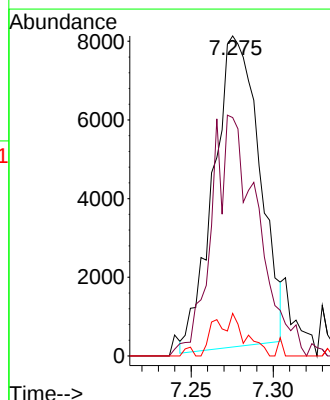
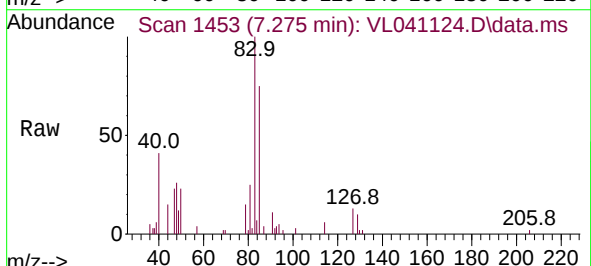
Tgt Ion: 83 Resp: 15441

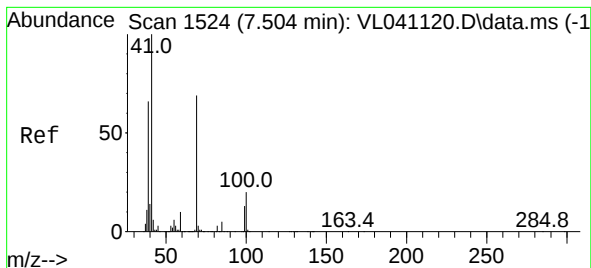
Ion Ratio Lower Upper

83 100

85 74.0 53.5 80.3

127 14.0 6.2 9.4#





#43

Methyl Methacrylate

Concen: 0.030 ppbv

RT: 7.504 min Scan# 1477

Delta R.T. -0.000 min

Lab File: VL041124.D

Acq: 4 Apr 2024 12:01

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

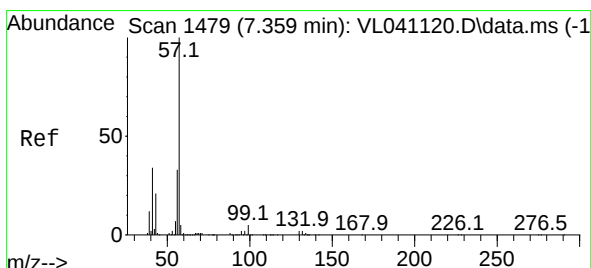
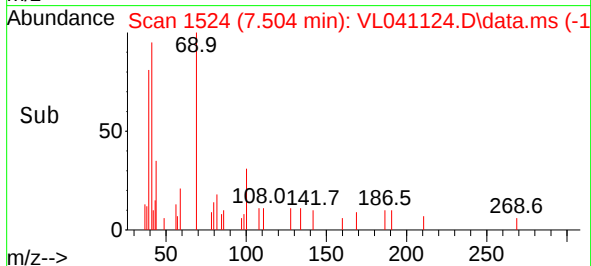
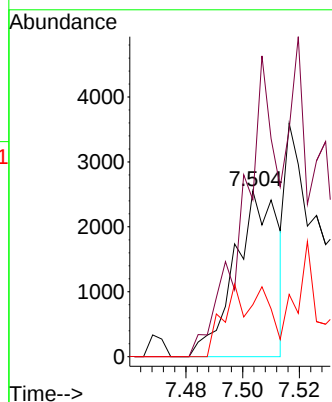
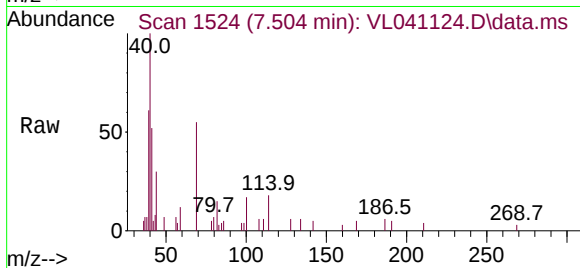
Tgt Ion: 69 Resp: 2684

Ion Ratio Lower Upper

69 100

41 0.0 119.2 178.8#

100 0.0 24.6 37.0#



#44

2,2,4-Trimethylpentane

Concen: 0.040 ppbv

RT: 7.352 min Scan# 1477

Delta R.T. -0.006 min

Lab File: VL041124.D

Acq: 4 Apr 2024 12:01

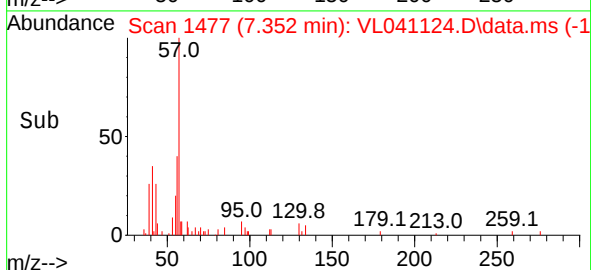
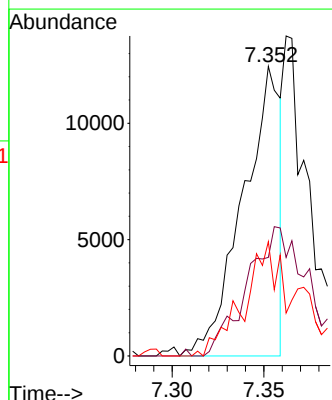
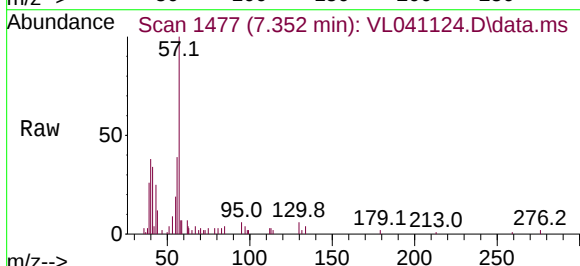
Tgt Ion: 57 Resp: 17555

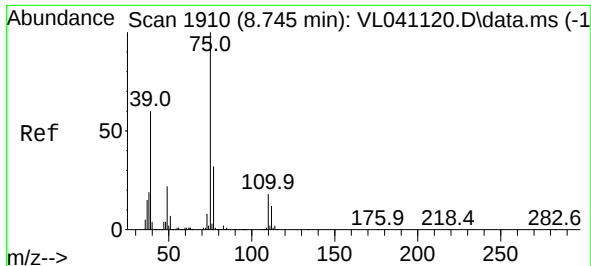
Ion Ratio Lower Upper

57 100

41 76.4 28.2 42.2#

56 58.3 25.2 37.8#





#45

t-1,3-Dichloropropene

Concen: 0.031 ppbv

RT: 8.745 min Scan# 1910

Delta R.T. -0.000 min

Lab File: VL041124.D

Acq: 4 Apr 2024 12:01

Instrument :

MSVOA_L

ClientSampleId :

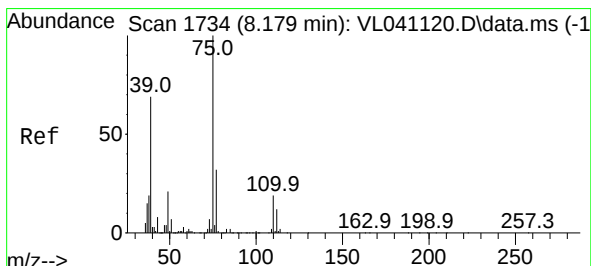
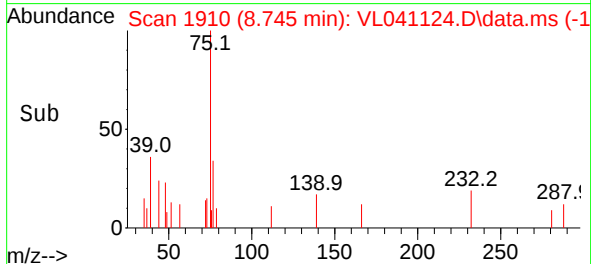
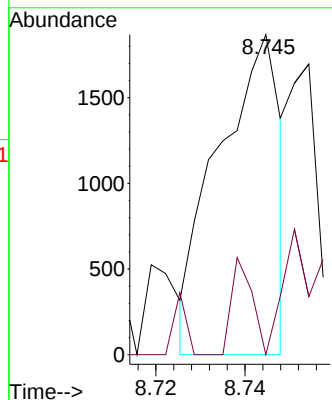
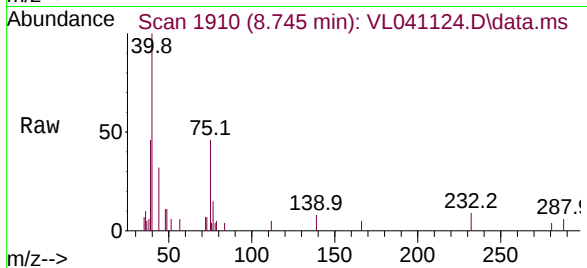
VSTDIC0.1

Tgt Ion: 75 Resp: 1808

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.2#



#46

cis-1,3-Dichloropropene

Concen: 0.027 ppbv

RT: 8.172 min Scan# 1732

Delta R.T. -0.006 min

Lab File: VL041124.D

Acq: 4 Apr 2024 12:01

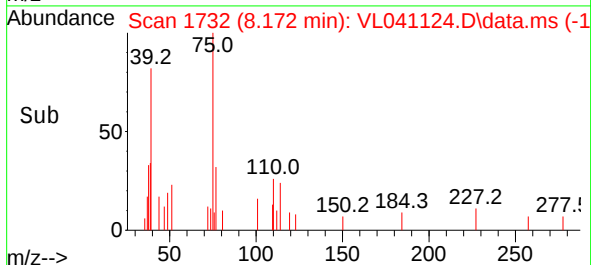
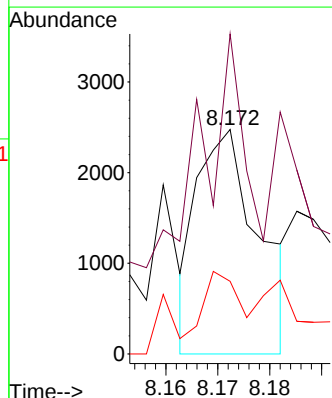
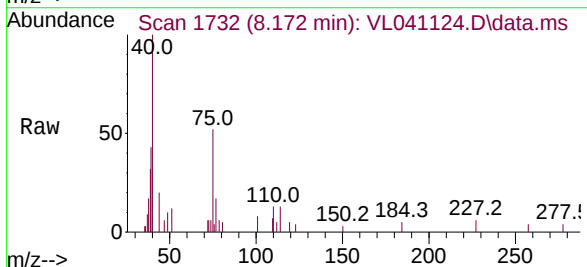
Tgt Ion: 75 Resp: 2037

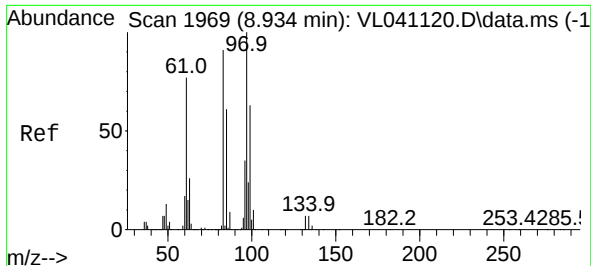
Ion Ratio Lower Upper

75 100

39 143.7 55.1 82.7#

77 39.8 25.2 37.8#





#47

1,1,2-Trichloroethane

Concen: 0.032 ppbv

RT: 8.931 min Scan# 1969

Delta R.T. -0.003 min

Lab File: VL041124.D

Acq: 4 Apr 2024 12:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

Tgt Ion: 97 Resp: 3619

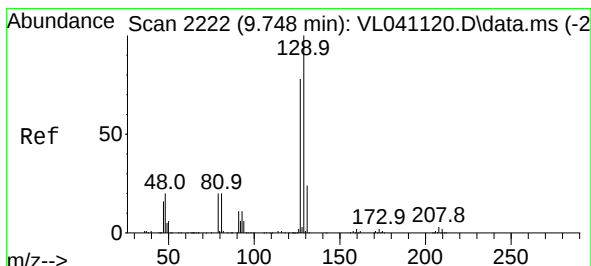
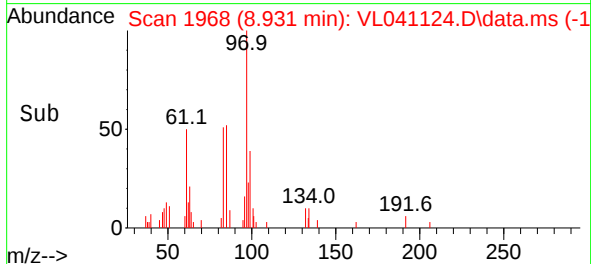
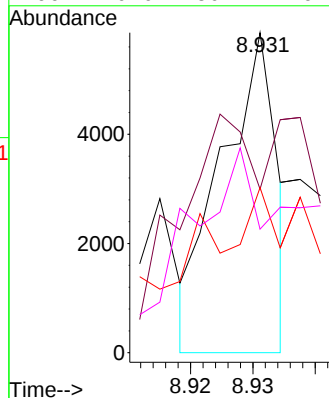
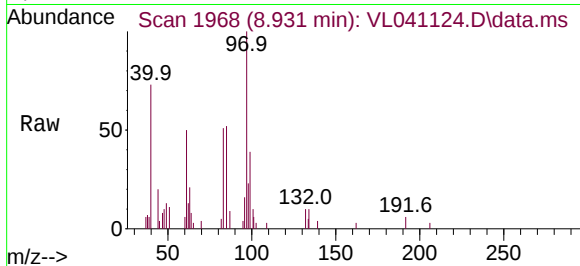
Ion Ratio Lower Upper

97 100

83 16.2 72.9 109.3#

85 37.4 49.1 73.7#

99 0.0 50.7 76.1#



#48

Dibromochloromethane

Concen: 0.013 ppbv

RT: 9.735 min Scan# 2218

Delta R.T. -0.013 min

Lab File: VL041124.D

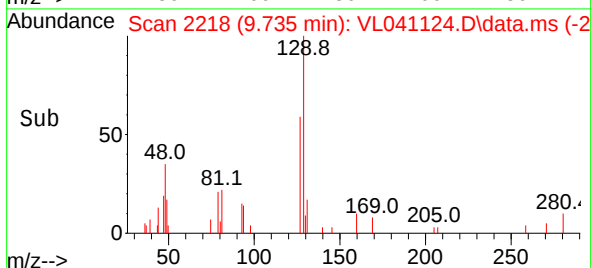
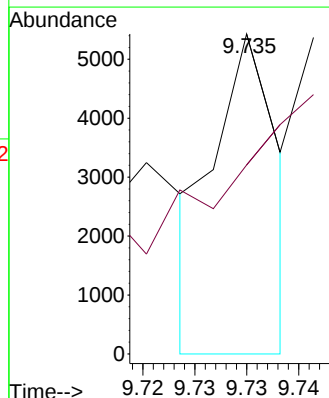
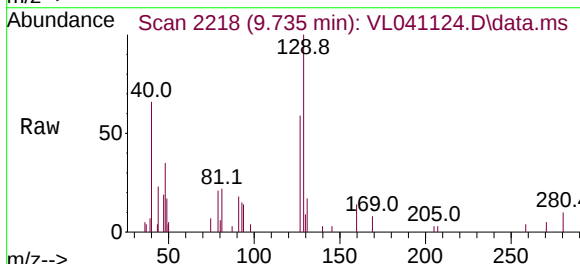
Acq: 4 Apr 2024 12:01

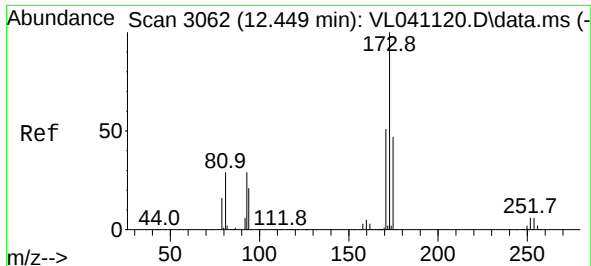
Tgt Ion: 129 Resp: 2312

Ion Ratio Lower Upper

129 100

127 0.0 39.3 117.9#





#49

Bromoform

Concen: 0.014 ppbv

RT: 12.439 min Scan# 3062

Delta R.T. -0.010 min

Lab File: VL041124.D

Acq: 4 Apr 2024 12:01

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

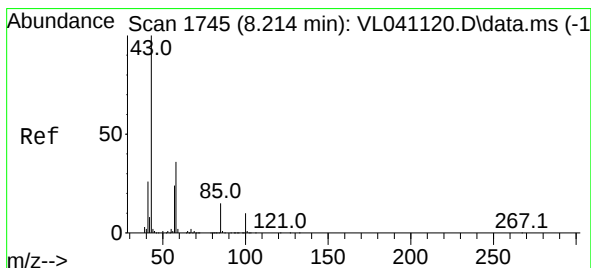
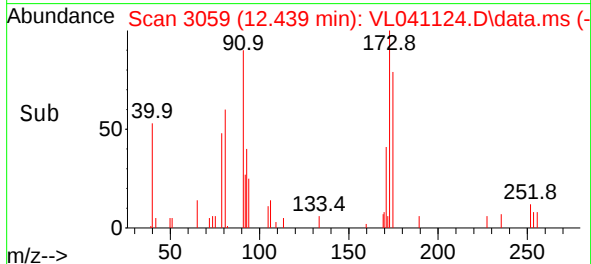
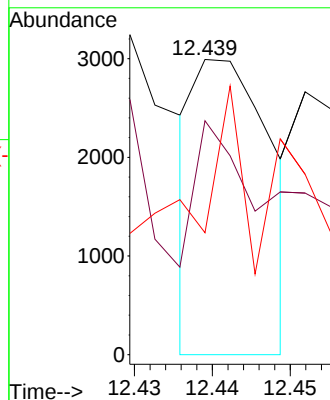
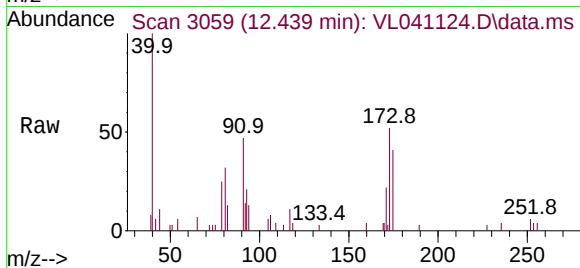
Tgt Ion:173 Resp: 2017

Ion Ratio Lower Upper

173 100

175 0.0 39.4 59.0#

171 232.7 42.9 64.3#



#50

4-Methyl-2-Pentanone

Concen: 0.001 ppbv

RT: 8.201 min Scan# 1741

Delta R.T. -0.013 min

Lab File: VL041124.D

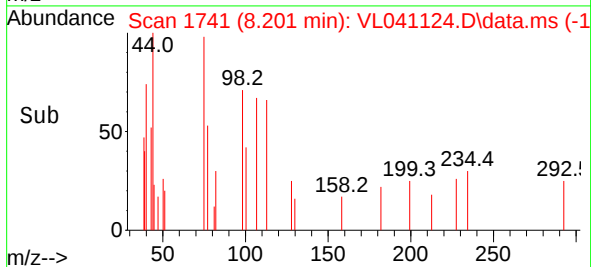
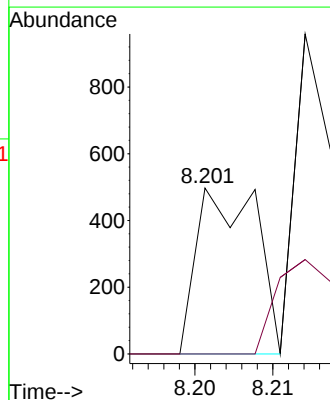
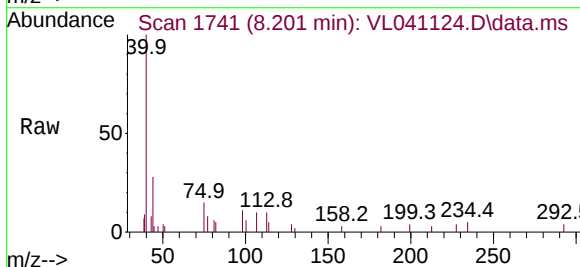
Acq: 4 Apr 2024 12:01

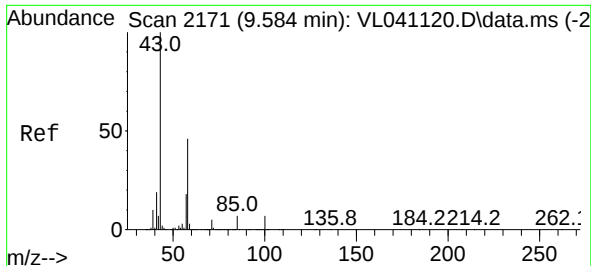
Tgt Ion: 43 Resp: 264

Ion Ratio Lower Upper

43 100

58 0.0 27.7 41.5#

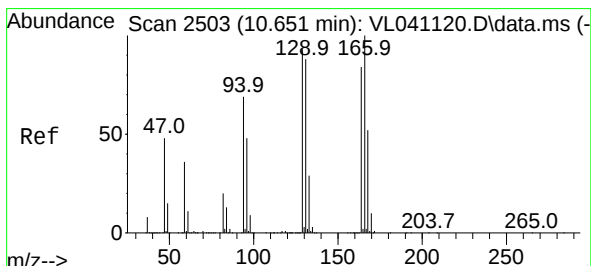
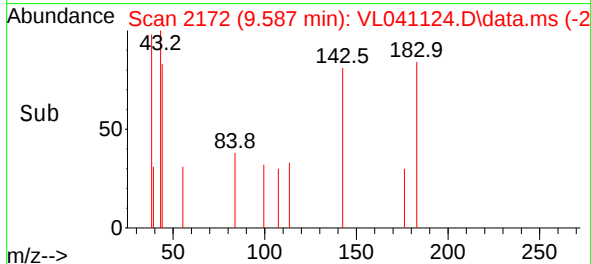
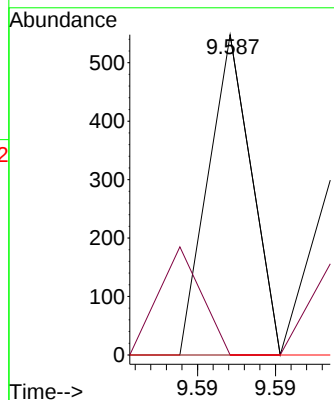
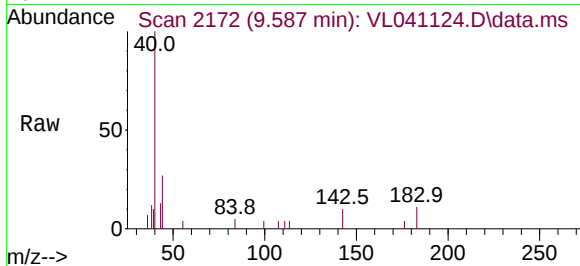




#51
2-Hexanone
Concen: 0.001 ppbv
RT: 9.587 min Scan# 2171
Delta R.T. 0.003 min
Lab File: VL041124.D
Acq: 4 Apr 2024 12:01

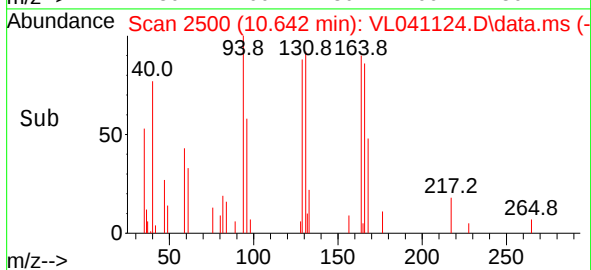
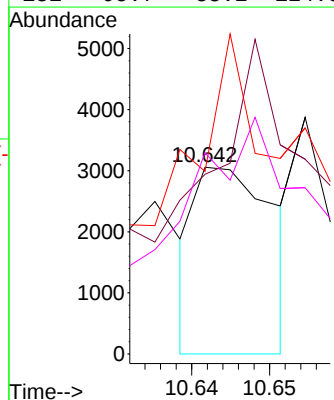
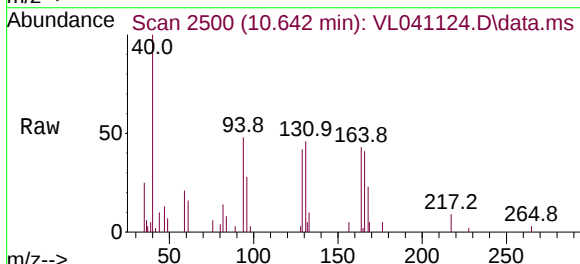
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

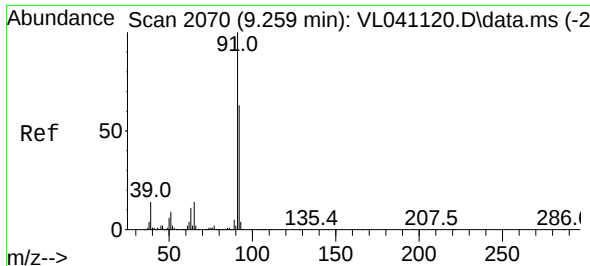
Tgt Ion: 43 Resp: 106
Ion Ratio Lower Upper
43 100
58 0.0 37.3 55.9#
98 0.0 0.3 0.5#



#52
Tetrachloroethene
Concen: 0.025 ppbv
RT: 10.642 min Scan# 2500
Delta R.T. -0.010 min
Lab File: VL041124.D
Acq: 4 Apr 2024 12:01

Tgt Ion: 164 Resp: 2129
Ion Ratio Lower Upper
164 100
166 36.3 95.0 142.6#
129 0.0 88.7 133.1#
131 95.7 83.2 124.8

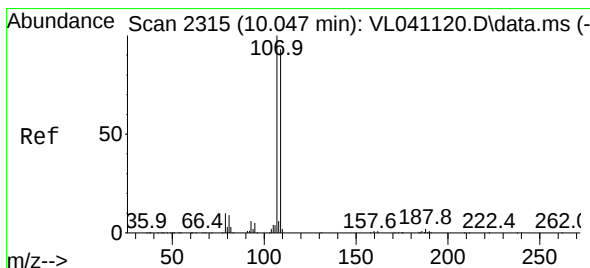
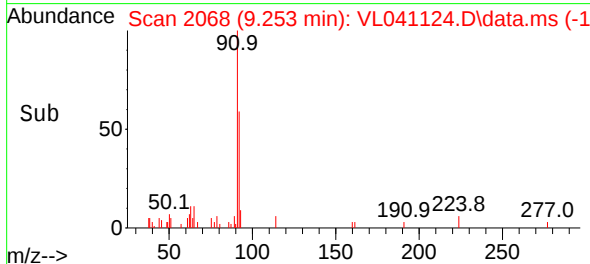
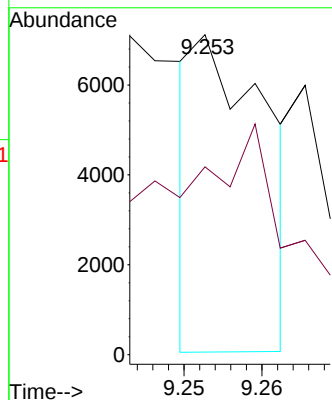
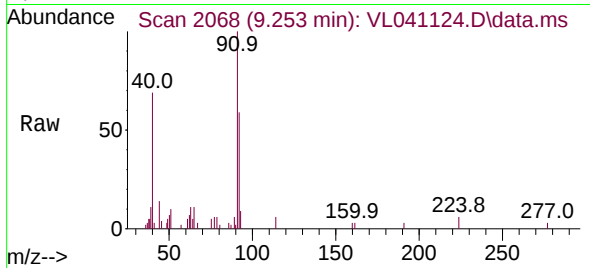




#53
Toluene
Concen: 0.016 ppbv
RT: 9.253 min Scan# 2070
Delta R.T. -0.006 min
Lab File: VL041124.D
Acq: 4 Apr 2024 12:01

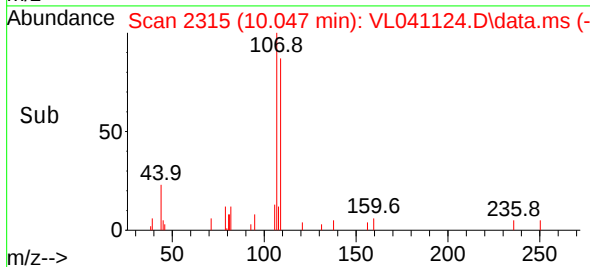
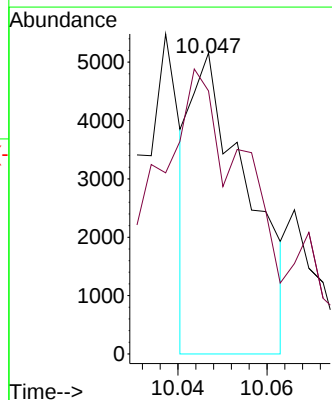
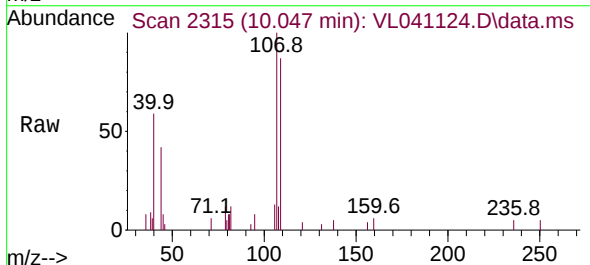
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

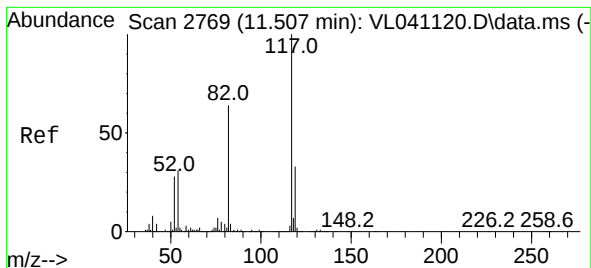
Tgt Ion: 91 Resp: 4534
Ion Ratio Lower Upper
91 100
92 0.0 49.0 73.4#



#54
1,2-Dibromoethane
Concen: 0.033 ppbv
RT: 10.047 min Scan# 2315
Delta R.T. -0.000 min
Lab File: VL041124.D
Acq: 4 Apr 2024 12:01

Tgt Ion: 107 Resp: 4539
Ion Ratio Lower Upper
107 100
109 109.7 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: VL041124.D

Acq: 4 Apr 2024 12:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

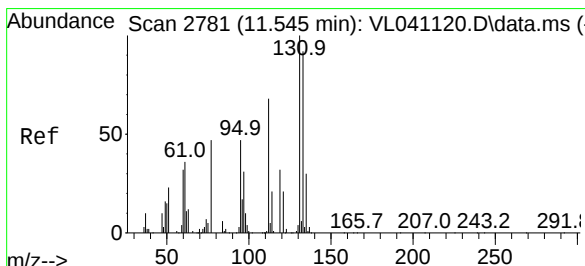
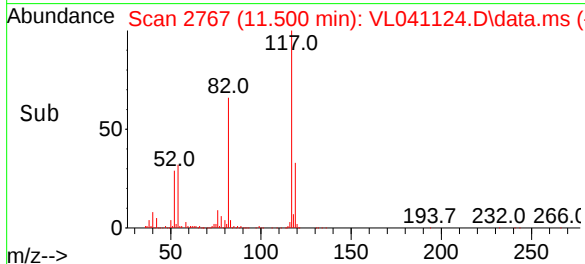
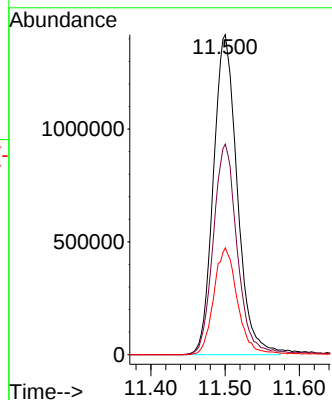
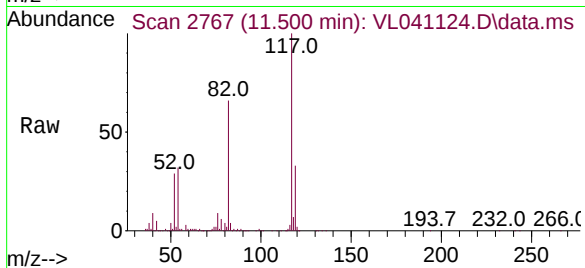
Tgt Ion:117 Resp: 3166540

Ion Ratio Lower Upper

117 100

82 66.8 51.0 76.6

119 33.8 25.2 37.8



#56

1,1,1,2-Tetrachloroethane

Concen: 0.053 ppbv

RT: 11.542 min Scan# 2780

Delta R.T. -0.003 min

Lab File: VL041124.D

Acq: 4 Apr 2024 12:01

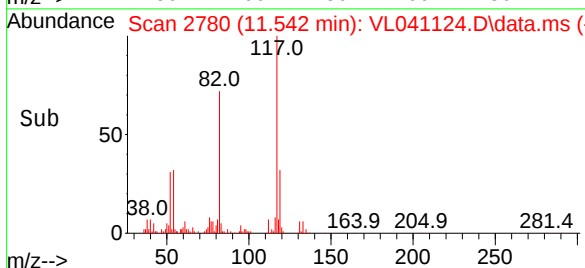
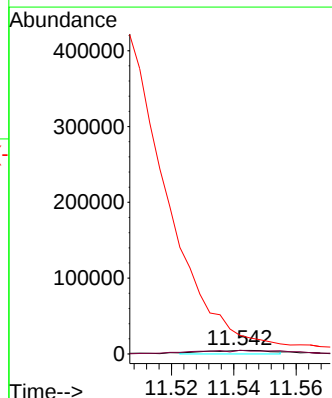
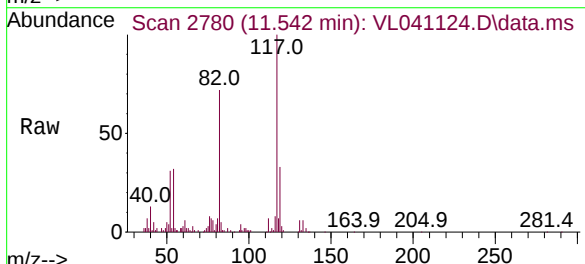
Tgt Ion:131 Resp: 6868

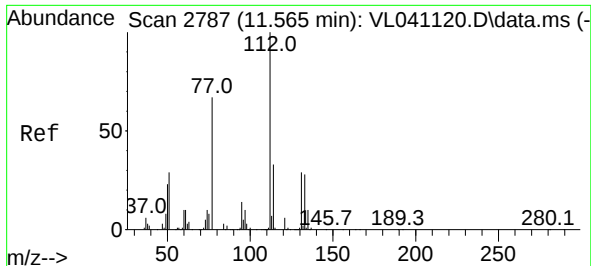
Ion Ratio Lower Upper

131 100

133 160.1 76.6 115.0#

119 0.0 49.9 74.9#

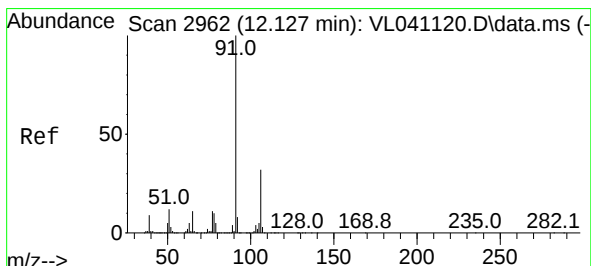
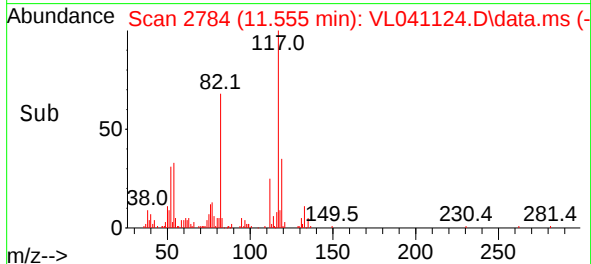
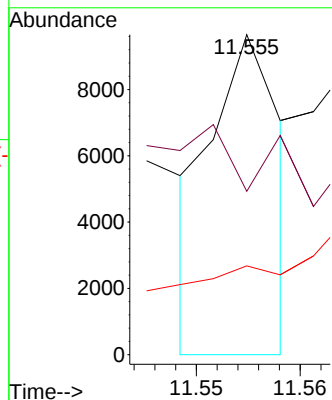
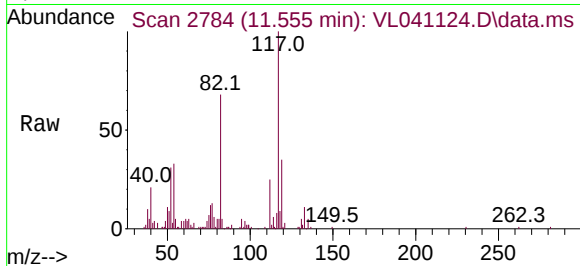




#57
Chlorobenzene
Concen: 0.021 ppbv
RT: 11.555 min Scan# 21
Delta R.T. -0.010 min
Lab File: VL041124.D
Acq: 4 Apr 2024 12:01

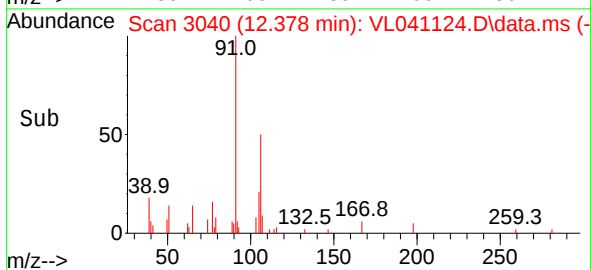
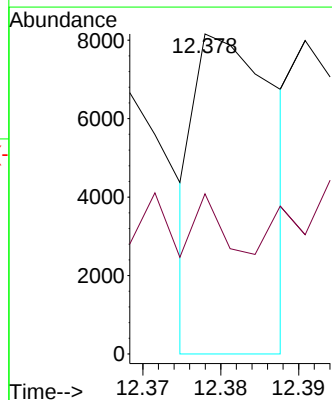
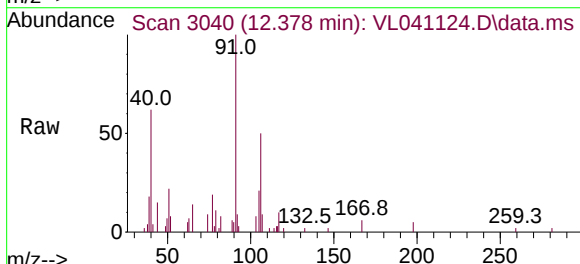
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

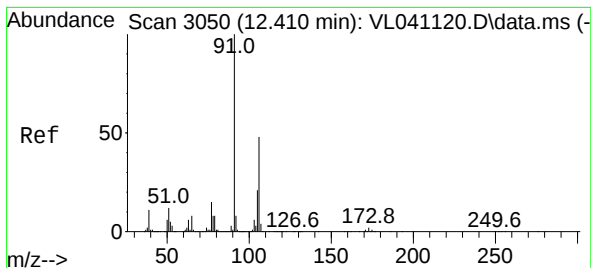
Tgt Ion:112 Resp: 4478
Ion Ratio Lower Upper
112 100
77 0.0 54.0 81.0#
114 14.9 29.3 35.9#



#58
Ethyl Benzene
Concen: 0.017 ppbv
RT: 12.378 min Scan# 3040
Delta R.T. 0.251 min
Lab File: VL041124.D
Acq: 4 Apr 2024 12:01

Tgt Ion: 91 Resp: 5775
Ion Ratio Lower Upper
91 100
106 34.4 25.6 38.4





#59

m/p-Xylene

Concen: 0.009 ppbv

RT: 12.404 min Scan# 3048

Delta R.T. -0.006 min

Lab File: VL041124.D

Acq: 4 Apr 2024 12:01

Instrument :

MSVOA_1

ClientSampleId :

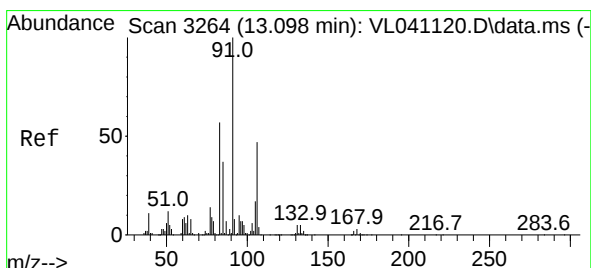
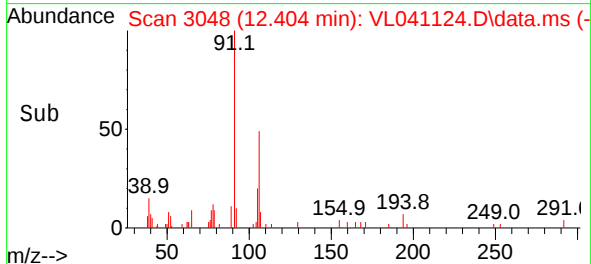
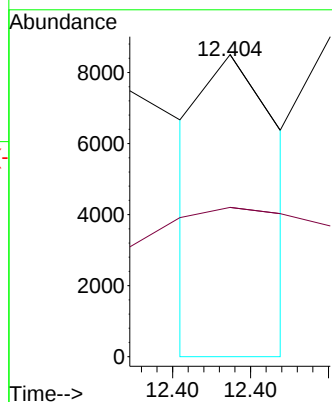
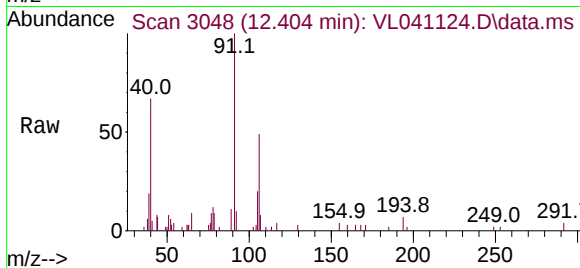
VSTDIC0.1

Tgt Ion: 91 Resp: 2871

Ion Ratio Lower Upper

91 100

106 0.0 35.4 53.2#



#60

o-Xylene

Concen: 0.032 ppbv

RT: 13.092 min Scan# 3262

Delta R.T. -0.006 min

Lab File: VL041124.D

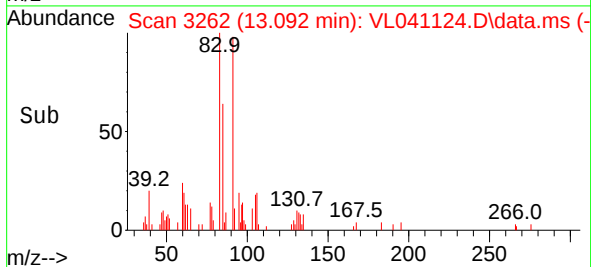
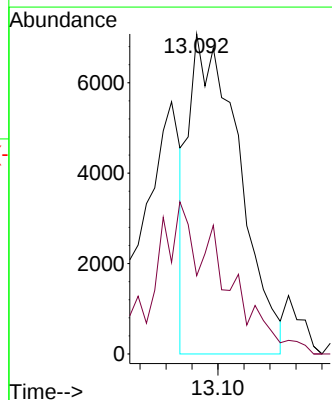
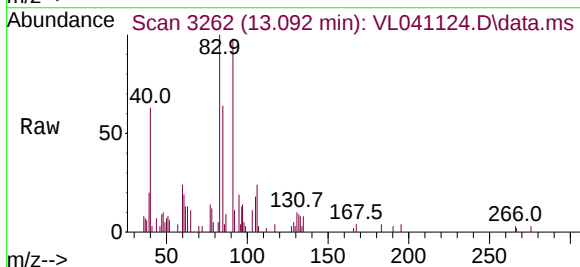
Acq: 4 Apr 2024 12:01

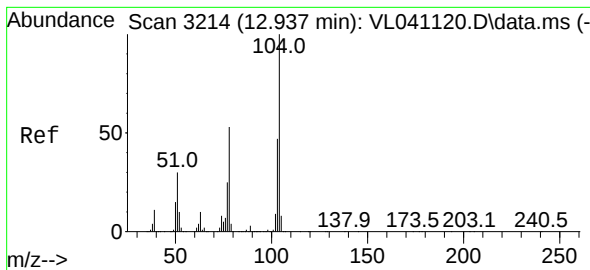
Tgt Ion: 91 Resp: 9420

Ion Ratio Lower Upper

91 100

106 0.0 22.9 68.5#





#61

Styrene

Concen: 0.010 ppbv

RT: 12.934 min Scan# 31

Delta R.T. -0.003 min

Lab File: VL041124.D

Acq: 4 Apr 2024 12:01

Instrument :

MSVOA_1

ClientSampleId :

VSTDICC0.1

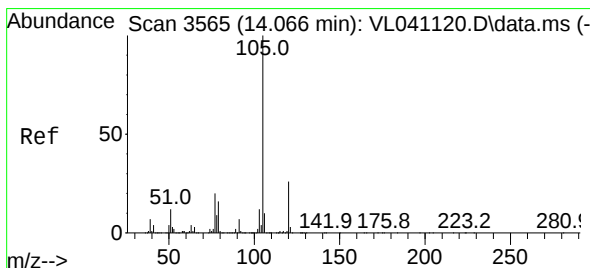
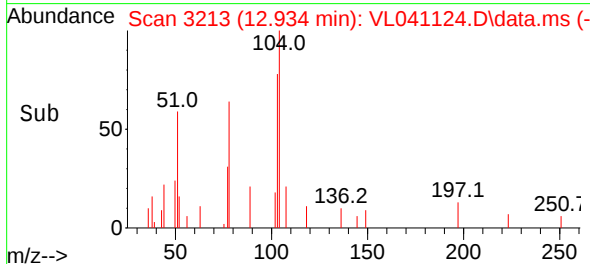
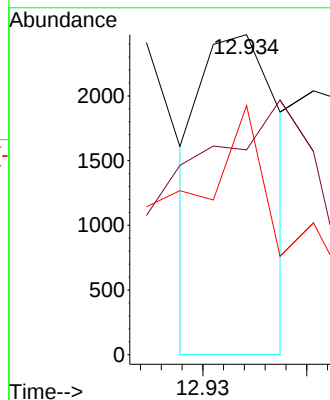
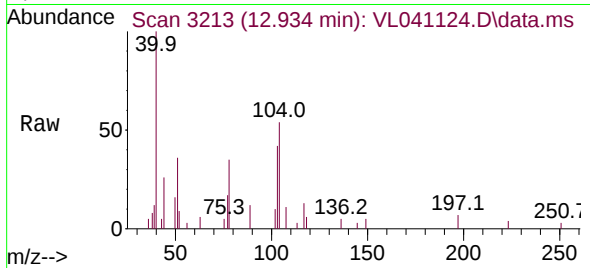
Tgt Ion:104 Resp: 1302

Ion Ratio Lower Upper

104 100

78 0.0 43.3 64.9#

103 237.8 38.2 57.2#



#62

Isopropylbenzene

Concen: 0.064 ppbv

RT: 14.066 min Scan# 3565

Delta R.T. -0.000 min

Lab File: VL041124.D

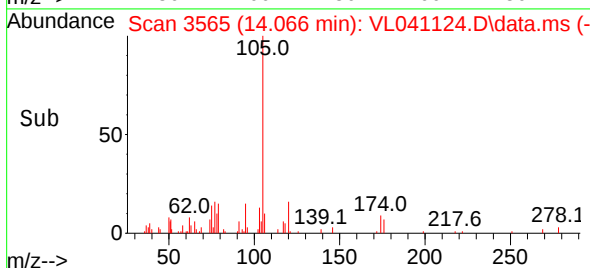
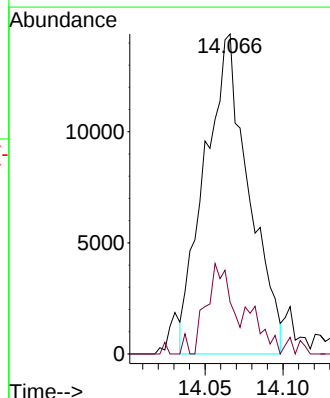
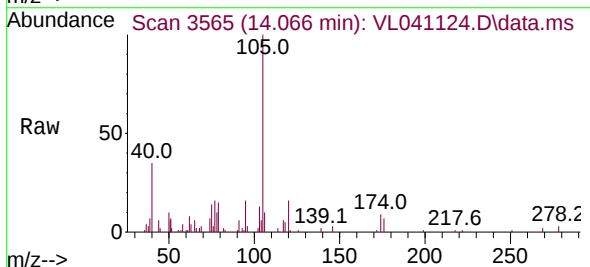
Acq: 4 Apr 2024 12:01

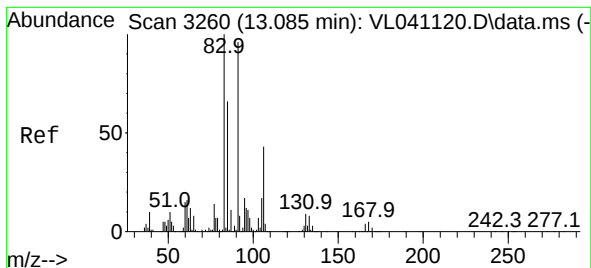
Tgt Ion:105 Resp: 28309

Ion Ratio Lower Upper

105 100

120 23.4 21.0 31.4

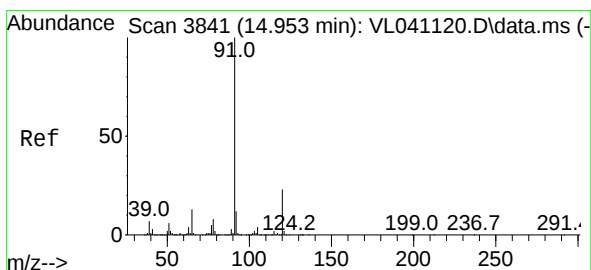
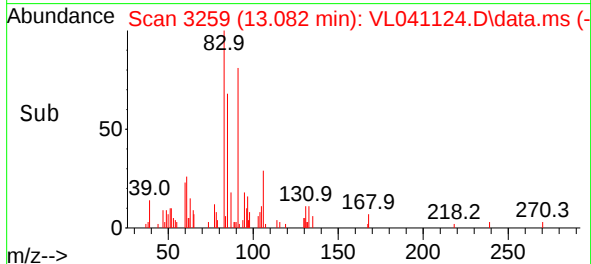
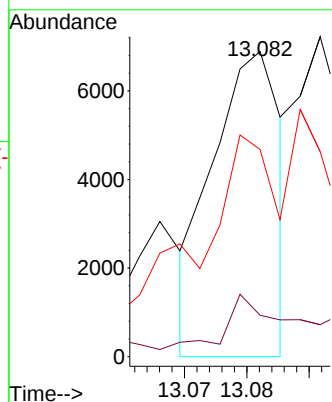
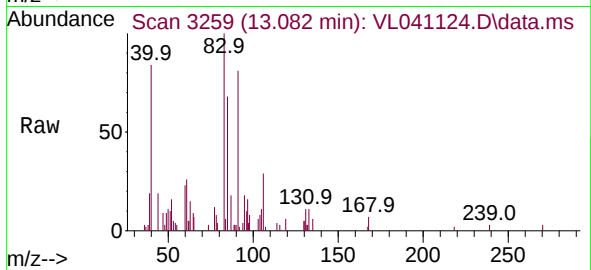




#63
1,1,2,2-Tetrachloroethane
Concen: 0.022 ppbv
RT: 13.082 min Scan# 31
Delta R.T. -0.003 min
Lab File: VL041124.D
Acq: 4 Apr 2024 12:01

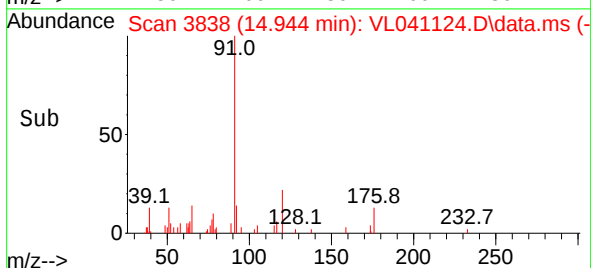
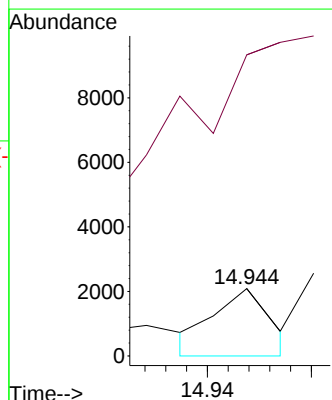
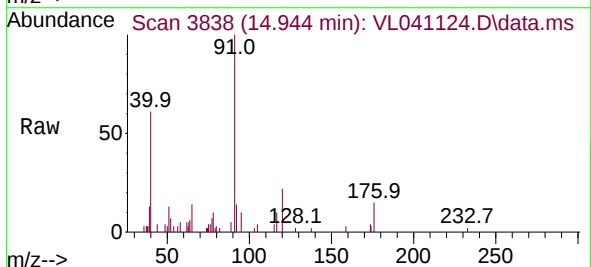
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

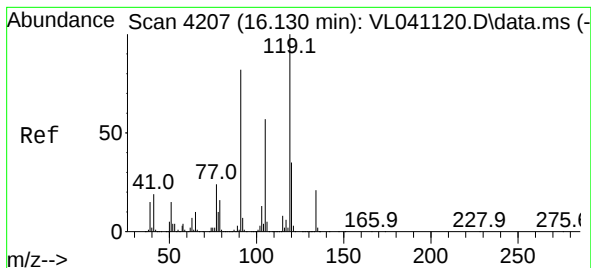
Tgt Ion: 83 Resp: 5252
Ion Ratio Lower Upper
83 100
131 37.1 4.7 14.0#
85 0.0 33.1 99.2#



#64
n-propylbenzene
Concen: 0.007 ppbv
RT: 14.944 min Scan# 3838
Delta R.T. -0.010 min
Lab File: VL041124.D
Acq: 4 Apr 2024 12:01

Tgt Ion:120 Resp: 790
Ion Ratio Lower Upper
120 100
91 0.0 395.0 592.6#





#65

tert-Butylbenzene

Concen: 0.011 ppbv

RT: 16.117 min Scan# 41

Delta R.T. -0.013 min

Lab File: VL041124.D

Acq: 4 Apr 2024 12:01

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

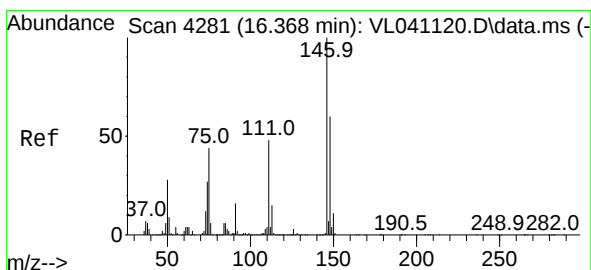
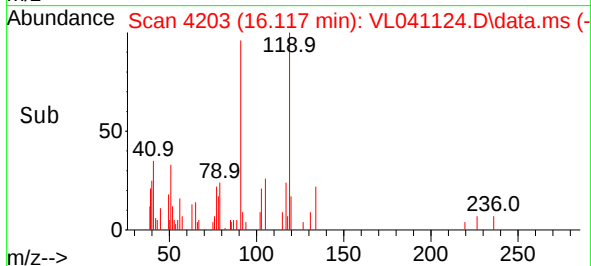
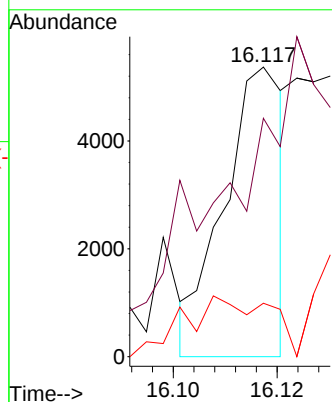
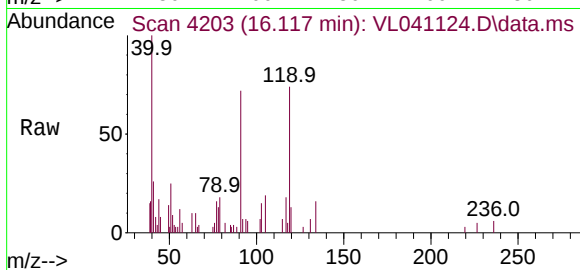
Tgt Ion:119 Resp: 4237

Ion Ratio Lower Upper

119 100

91 0.0 67.8 101.8#

134 30.3 16.0 24.0#



#66

Benzyl Chloride

Concen: 0.003 ppbv

RT: 16.362 min Scan# 4279

Delta R.T. -0.006 min

Lab File: VL041124.D

Acq: 4 Apr 2024 12:01

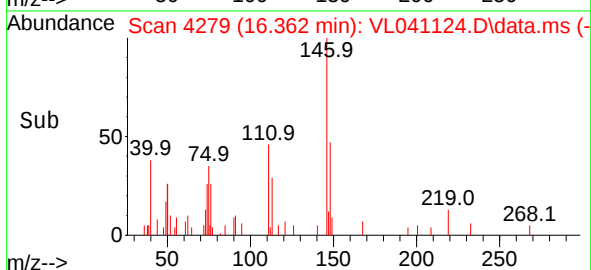
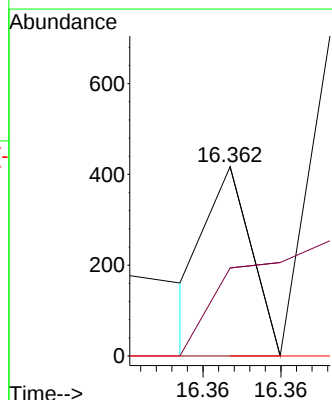
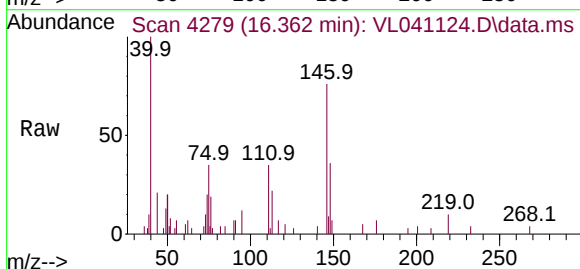
Tgt Ion: 91 Resp: 80

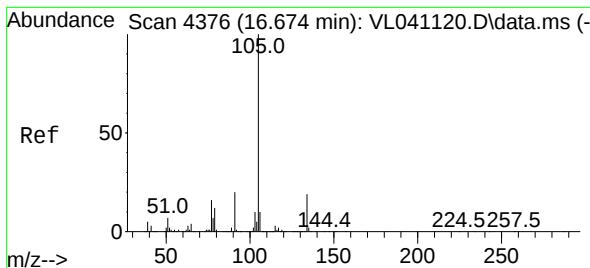
Ion Ratio Lower Upper

91 100

126 0.0 13.4 20.2#

128 0.0 4.3 6.5#





#67

sec-Butylbenzene

Concen: 0.010 ppbv

RT: 16.661 min Scan# 41

Delta R.T. -0.013 min

Lab File: VL041124.D

Acq: 4 Apr 2024 12:01

Instrument :

MSVOA_1

ClientSampleId :

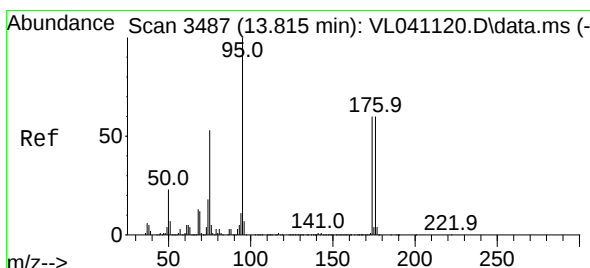
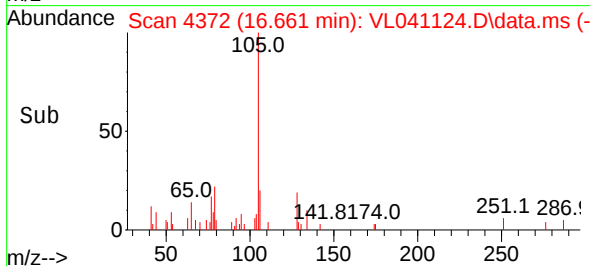
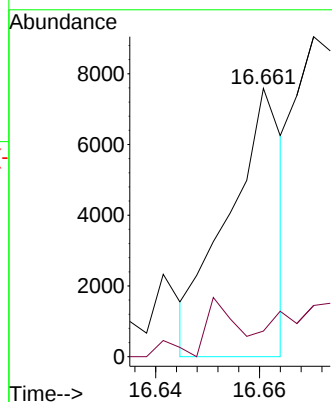
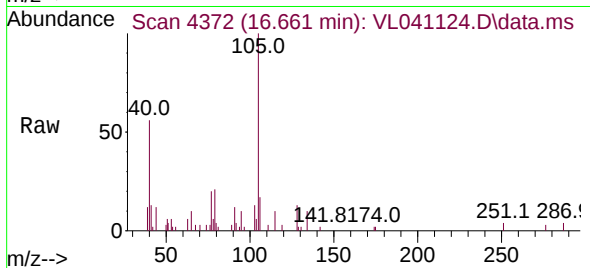
VSTDIC0.1

Tgt Ion:105 Resp: 5487

Ion Ratio Lower Upper

105 100

134 0.0 14.3 21.5#



#68

1-Bromo-4-Fluorobenzene

Concen: 9.987 ppbv

RT: 13.809 min Scan# 3485

Delta R.T. -0.006 min

Lab File: VL041124.D

Acq: 4 Apr 2024 12:01

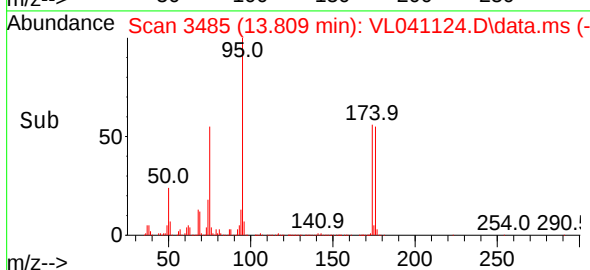
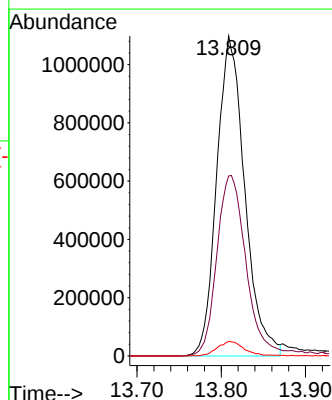
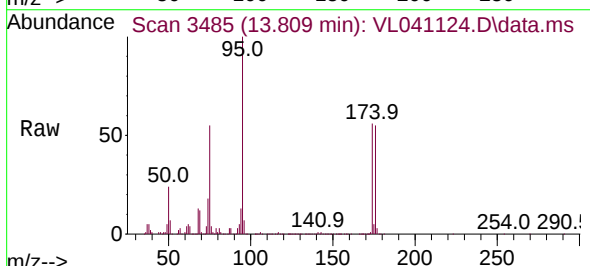
Tgt Ion: 95 Resp: 2533877

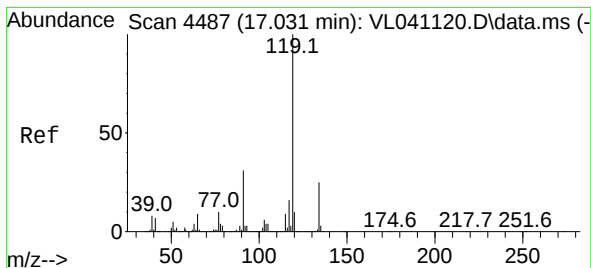
Ion Ratio Lower Upper

95 100

174 61.1 49.3 73.9

175 4.6 3.6 5.4





#69

p-Isopropyltoluene

Concen: 0.005 ppbv

RT: 17.014 min Scan# 4487

Delta R.T. -0.016 min

Lab File: VL041124.D

Acq: 4 Apr 2024 12:01

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

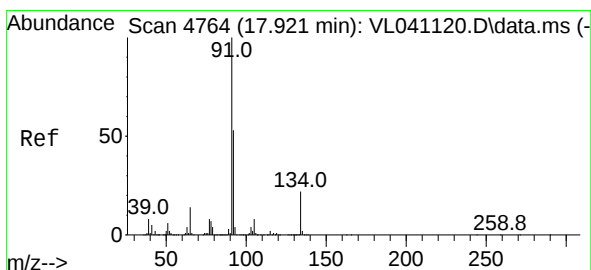
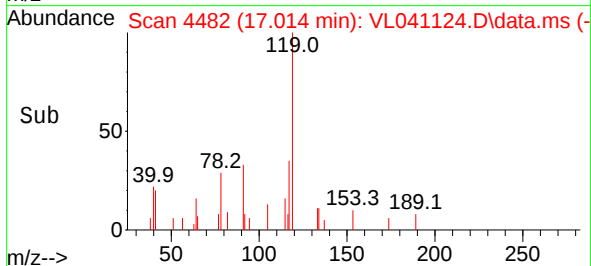
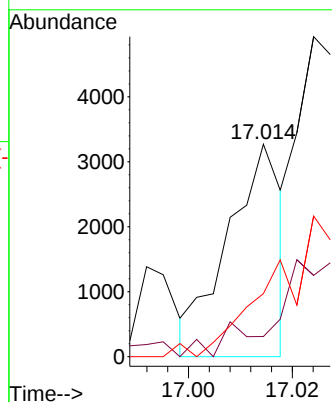
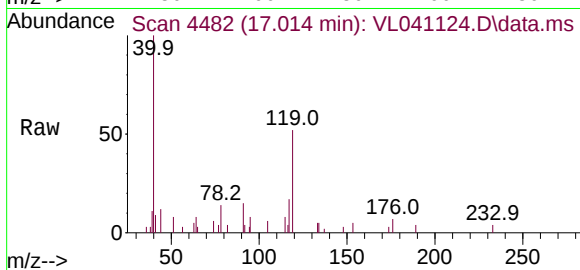
Tgt Ion:119 Resp: 2353

Ion Ratio Lower Upper

119 100

134 0.0 20.5 30.7#

91 0.0 24.8 37.2#



#70

n-Butylbenzene

Concen: 0.004 ppbv

RT: 17.905 min Scan# 4759

Delta R.T. -0.016 min

Lab File: VL041124.D

Acq: 4 Apr 2024 12:01

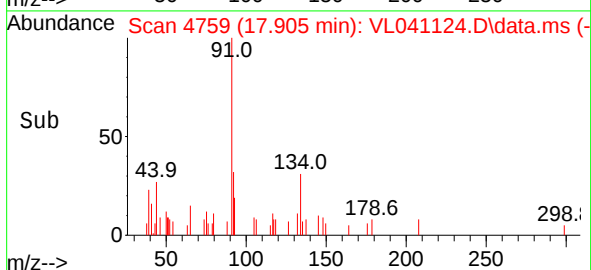
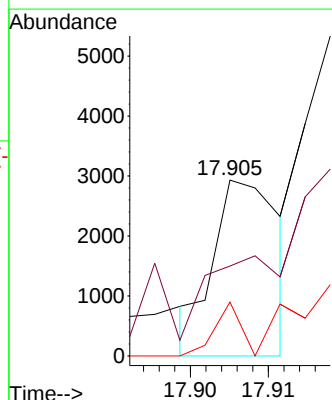
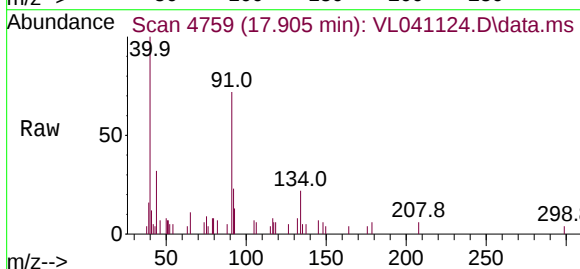
Tgt Ion: 91 Resp: 1733

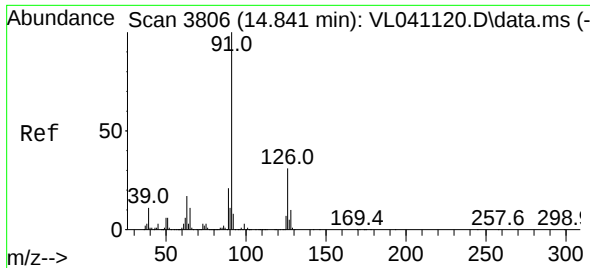
Ion Ratio Lower Upper

91 100

92 0.0 43.4 65.0#

134 0.0 17.1 25.7#

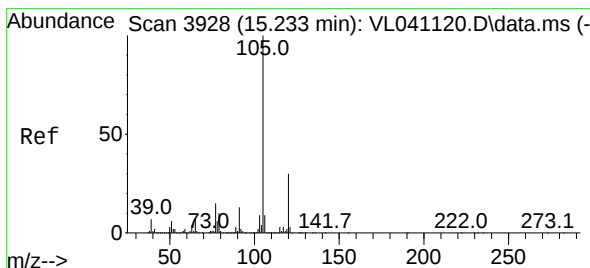
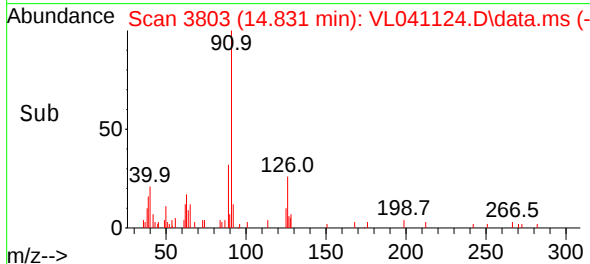
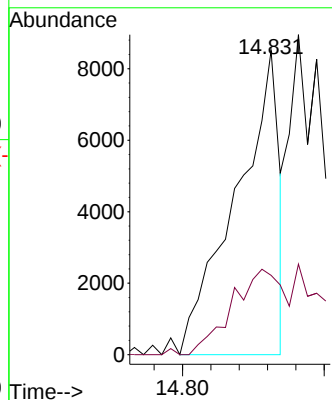
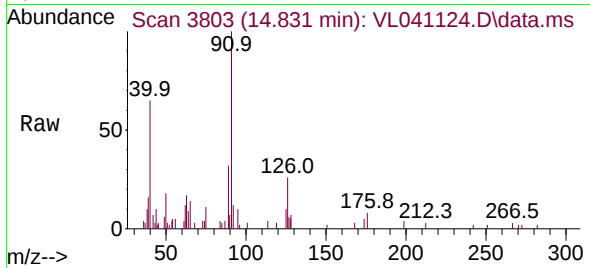




#71
2-Chlorotoluene
Concen: 0.027 ppbv
RT: 14.831 min Scan# 3806
Delta R.T. -0.010 min
Lab File: VL041124.D
Acq: 4 Apr 2024 12:01

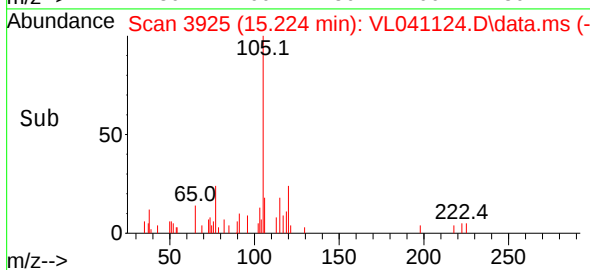
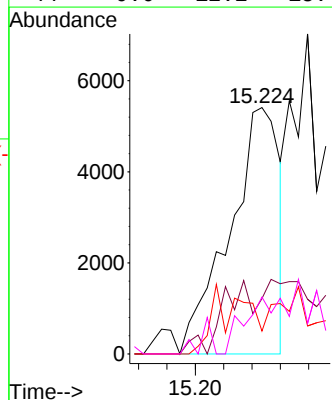
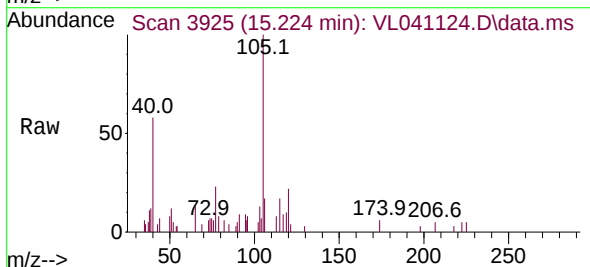
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

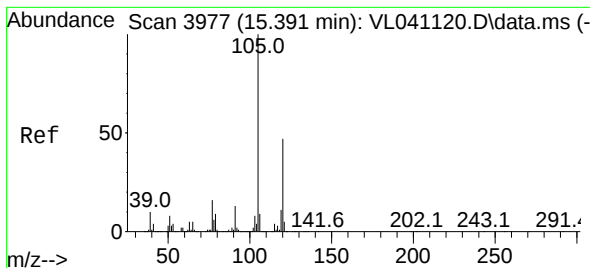
Tgt Ion: 91 Resp: 8947
Ion Ratio Lower Upper
91 100
126 0.0 12.5 50.1#



#72
4-Ethyltoluene
Concen: 0.020 ppbv
RT: 15.224 min Scan# 3925
Delta R.T. -0.010 min
Lab File: VL041124.D
Acq: 4 Apr 2024 12:01

Tgt Ion: 105 Resp: 6571
Ion Ratio Lower Upper
105 100
120 58.9 24.2 36.2#
91 49.1 11.2 16.8#
77 0.0 12.2 18.4#





#73

1,3,5-Trimethylbenzene

Concen: 0.010 ppbv

RT: 15.381 min Scan# 3977

Delta R.T. -0.010 min

Lab File: VL041124.D

Acq: 4 Apr 2024 12:01

Instrument :

MSVOA_L

ClientSampleId :

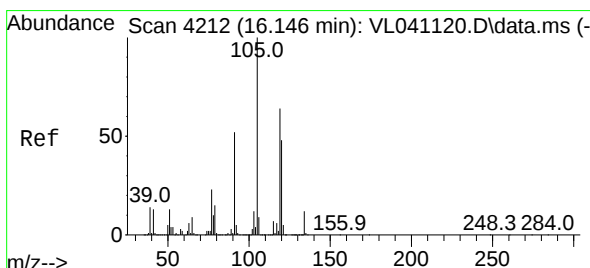
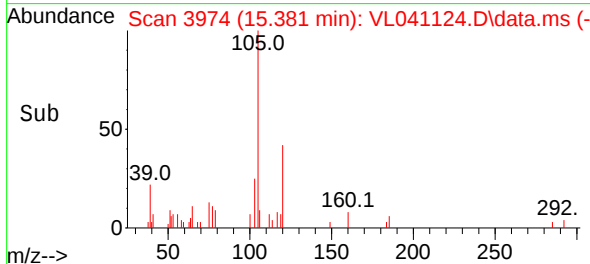
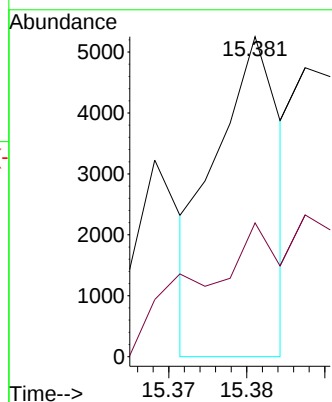
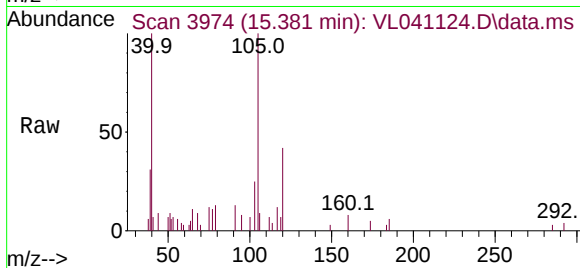
VSTDIC0.1

Tgt Ion:105 Resp: 3054

Ion Ratio Lower Upper

105 100

120 28.5 37.8 56.8#



#74

1,2,4-Trimethylbenzene

Concen: 0.004 ppbv

RT: 16.127 min Scan# 4206

Delta R.T. -0.019 min

Lab File: VL041124.D

Acq: 4 Apr 2024 12:01

Tgt Ion:105 Resp: 1463

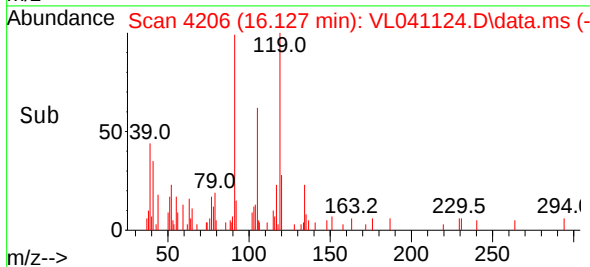
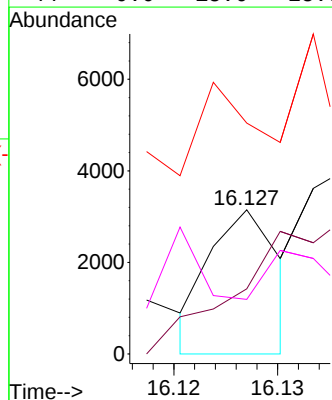
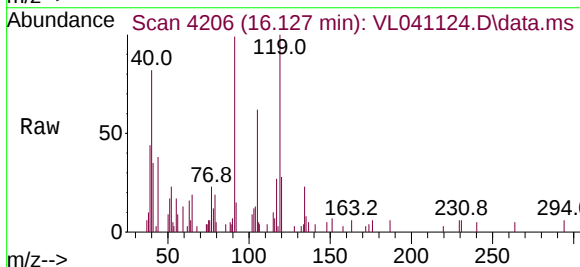
Ion Ratio Lower Upper

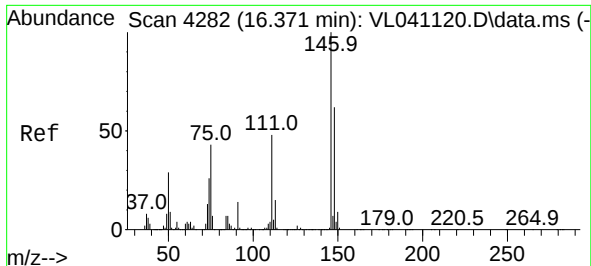
105 100

120 27.1 38.9 58.3#

91 51.0 43.0 64.6

77 0.0 18.6 28.0#





#75

1,3-Dichlorobenzene

Concen: 0.021 ppbv

RT: 16.365 min Scan# 41

Delta R.T. -0.006 min

Lab File: VL041124.D

Acq: 4 Apr 2024 12:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

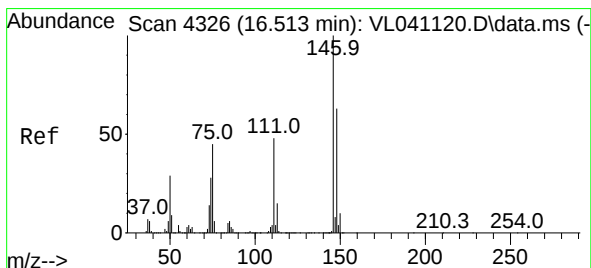
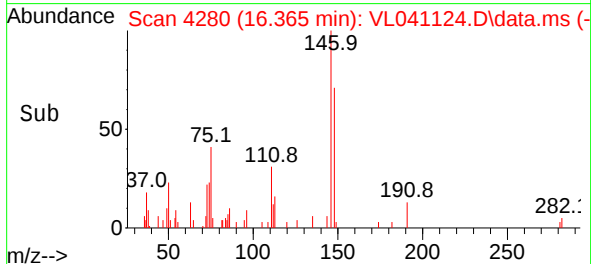
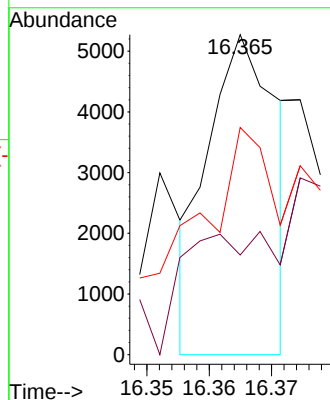
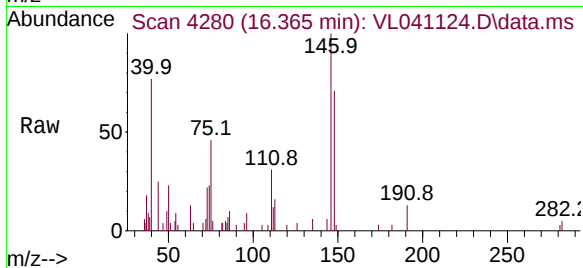
Tgt Ion:146 Resp: 4035

Ion Ratio Lower Upper

146 100

111 0.0 24.1 72.4#

148 203.8 32.0 96.2#



#76

1,4-Dichlorobenzene

Concen: 0.016 ppbv

RT: 16.503 min Scan# 4323

Delta R.T. -0.010 min

Lab File: VL041124.D

Acq: 4 Apr 2024 12:01

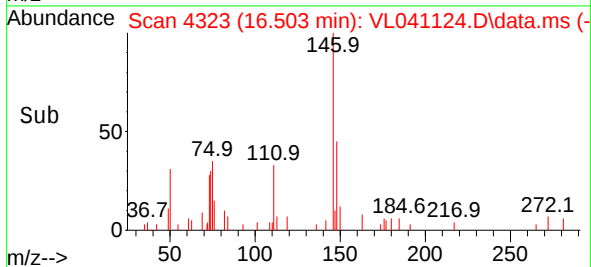
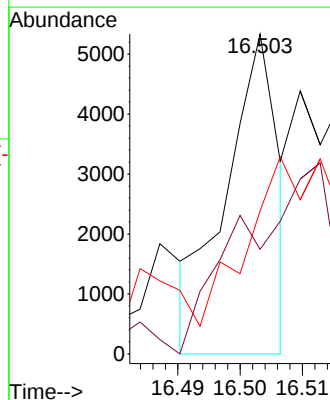
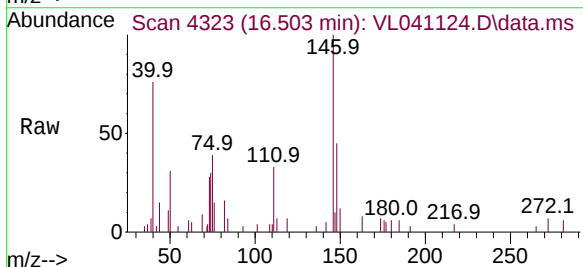
Tgt Ion:146 Resp: 3122

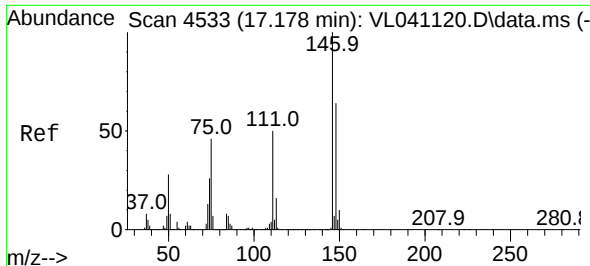
Ion Ratio Lower Upper

146 100

111 0.0 24.1 72.3#

148 0.0 33.1 99.2#

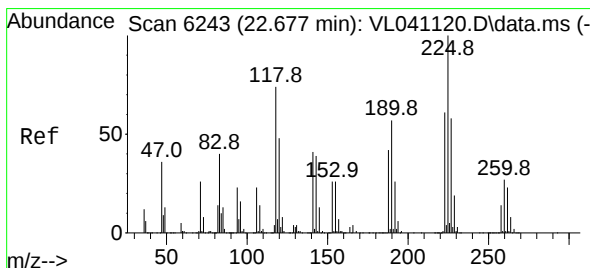
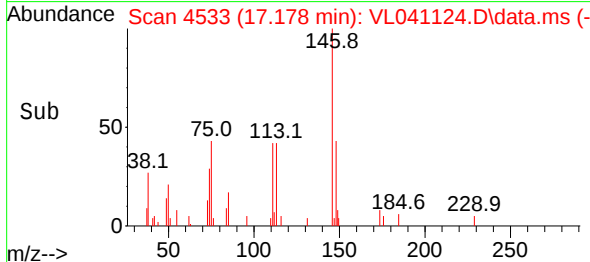
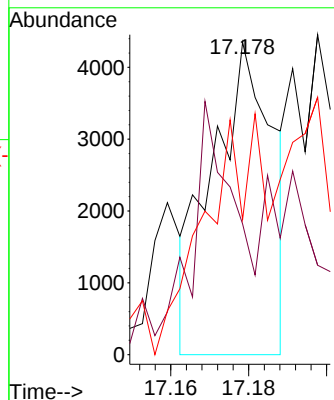
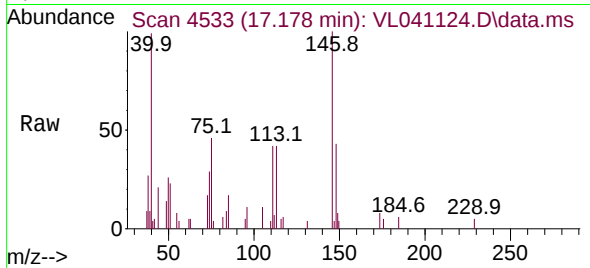




#77
1,2-Dichlorobenzene
Concen: 0.025 ppbv
RT: 17.178 min Scan# 4533
Delta R.T. -0.000 min
Lab File: VL041124.D
Acq: 4 Apr 2024 12:01

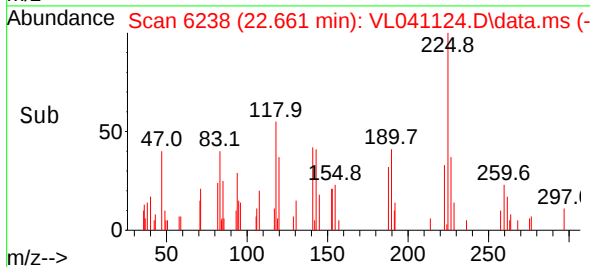
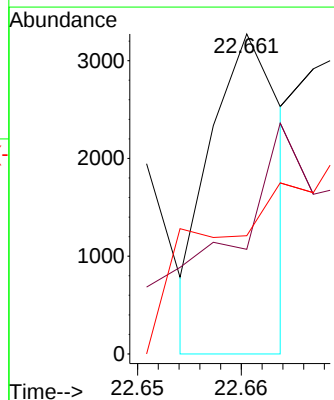
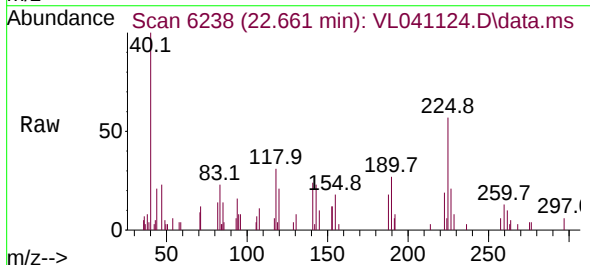
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

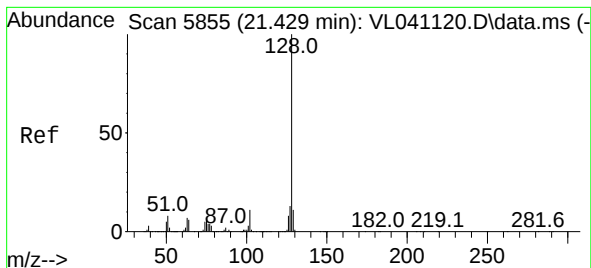
Tgt Ion:146 Resp: 4704
Ion Ratio Lower Upper
146 100
111 150.7 25.1 75.3#
148 0.0 32.6 97.7#



#78
Hexachloro-1,3-Butadiene
Concen: 0.013 ppbv
RT: 22.661 min Scan# 6238
Delta R.T. -0.016 min
Lab File: VL041124.D
Acq: 4 Apr 2024 12:01

Tgt Ion:225 Resp: 1571
Ion Ratio Lower Upper
225 100
223 0.0 50.9 76.3#
227 0.0 51.3 76.9#





#79

Naphthalene

Concen: 0.004 ppbv

RT: 21.426 min Scan# 5855

Delta R.T. -0.003 min

Lab File: VL041124.D

Acq: 4 Apr 2024 12:01

Instrument :

MSVOA_1

ClientSampleId :

VSTDICC0.1

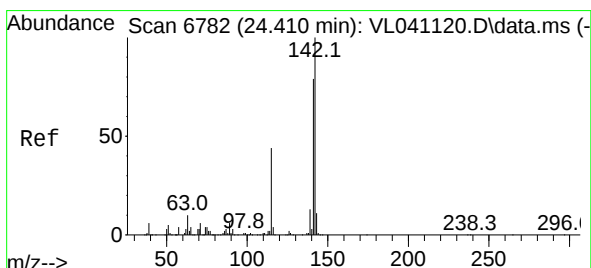
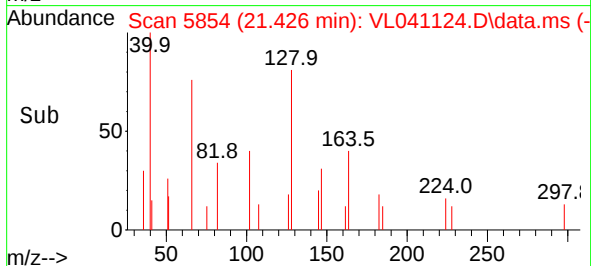
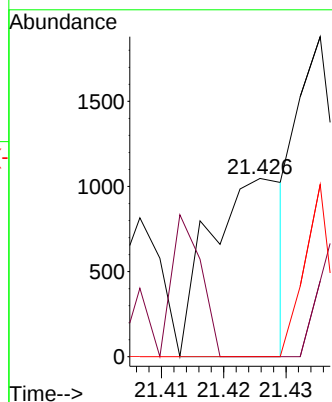
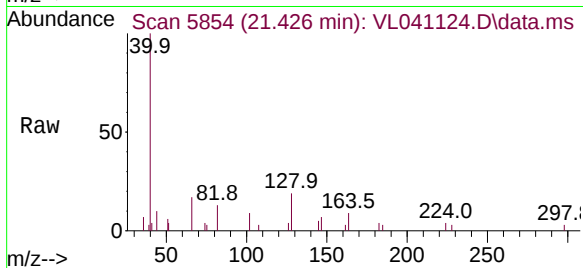
Tgt Ion:128 Resp: 871

Ion Ratio Lower Upper

128 100

127 0.0 10.6 15.8#

129 0.0 8.6 12.8#



#80

Naphthalene,2-methyl-

Concen: 0.001 ppbv

RT: 24.426 min Scan# 6787

Delta R.T. 0.016 min

Lab File: VL041124.D

Acq: 4 Apr 2024 12:01

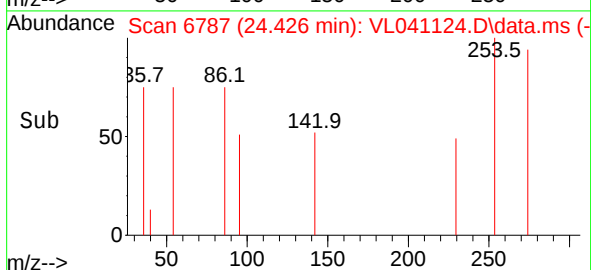
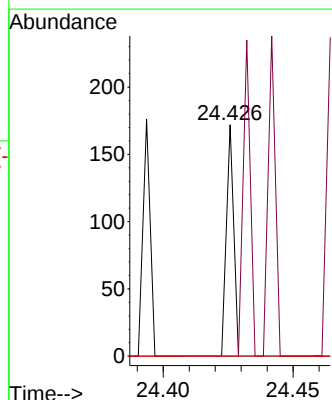
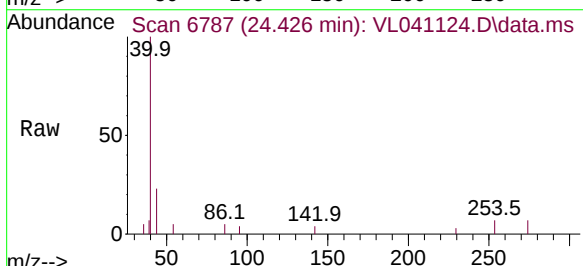
Tgt Ion:142 Resp: 33

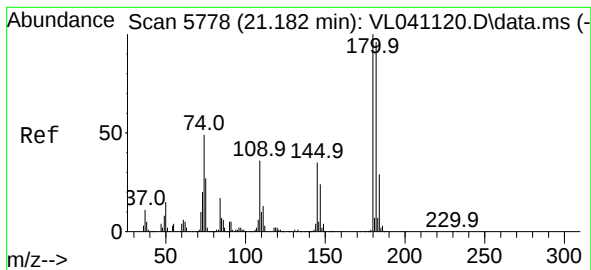
Ion Ratio Lower Upper

142 100

141 139.4 64.4 96.6#

115 0.0 33.5 50.3#





#81

1,2,4-Trichlorobenzene

Concen: 0.009 ppbv

RT: 21.178 min Scan# 51

Delta R.T. -0.003 min

Lab File: VL041124.D

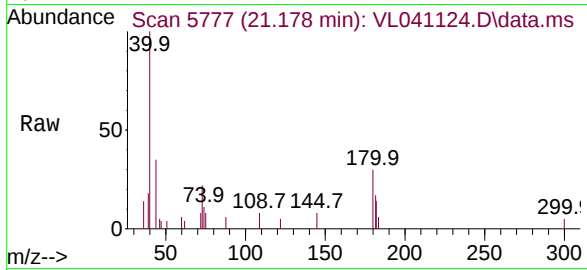
Acq: 4 Apr 2024 12:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1



Tgt Ion:180 Resp: 1097

Ion Ratio Lower Upper

180 100

182 0.0 77.4 116.2#

184 0.0 24.9 37.3#

