

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121624\
 Data File : VL041757.D
 Acq On : 16 Dec 2024 16:08
 Operator : SY/MD
 Sample : VSTDICC0.03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.03

Quant Time: Dec 19 06:15:54 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121624AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Dec 19 06:09:59 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.787	49	64158	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.958	114	174825	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	154998	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	128167	9.923	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.200%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.554	85	406	0.036	ppbv	94
3) Chlorodifluoromethane	1.612	51	255	0.024	ppbv	95
4) Chloromethane	1.534	50	285	0.064	ppbv	99
5) Vinyl Chloride	1.580	62	175	0.039	ppbv #	84
6) Bromomethane	1.667	94	155	0.073	ppbv #	64
7) Chloroethane	1.706	64	62	0.035	ppbv #	1
8) Dichlorotetrafluoroethane	1.554	85	406	0.040	ppbv #	74
9) Propene	1.482	41	413	0.091	ppbv #	78
10) Heptane	4.991	43	172	0.015	ppbv #	80
11) Trichlorofluoromethane	1.877	101	560	0.046	ppbv	90
12) 1,1,2-Trichlorotrifluo...	2.143	101	293	0.032	ppbv	95
13) Ethanol	1.722	45	279	0.740	ppbv #	34
14) Bromoethene	1.787	108	66	0.021	ppbv #	1
15) Acetone	1.839	43	2113	0.169	ppbv	95
16) 1,3-Butadiene	1.609	39	252	0.051	ppbv #	36
17) tert-Butyl alcohol	2.046	59	509	0.041	ppbv #	76
18) 1,1-Dichloroethene	2.039	96	103	0.027	ppbv #	52
19) Isopropyl Alcohol	1.890	45	2921	0.390	ppbv #	34
20) Methylene Chloride	2.065	84	613	0.172	ppbv #	61
21) Allyl Chloride	2.097	41	566	0.084	ppbv #	60
22) trans-1,2-Dichloroethene	2.337	96	170	0.038	ppbv #	23
23) Vinyl Acetate	2.460	43	202	0.037	ppbv #	1
24) 1,1-Dichloroethane	2.411	63	378	0.042	ppbv #	88
25) Ethyl Acetate	2.839	43	677	0.029	ppbv #	83
26) Hexane	2.829	57	141	0.016	ppbv #	1
27) Carbon Disulfide	2.152	76	210	0.026	ppbv #	1
28) Methyl tert-Butyl Ether	2.450	73	114	0.016	ppbv	98
29) Chloroform	2.852	83	444	0.033	ppbv	99
30) Cyclohexane	3.861	84	161	0.021	ppbv #	1
31) cis-1,2-Dichloroethene	2.719	61	330	0.036	ppbv #	71
32) 1,1,1-Trichloroethane	3.369	97	332	0.025	ppbv #	74
34) 2-Butanone	2.560	43	686	0.049	ppbv	96
35) Carbon Tetrachloride	3.768	117	209	0.017	ppbv	97
36) Benzene	3.657	78	211	0.012	ppbv #	84
37) 1,2-Dichloroethane	3.217	62	357	0.032	ppbv #	82
38) Trichloroethene	4.551	130	204	0.027	ppbv #	47
39) 1,2-Dichloropropane	3.955	63	48113	7.356	ppbv #	17
40) 1,4-Dioxane	4.635	88	26	0.008	ppbv #	1
41) Tetrahydrofuran	3.049	42	55	0.007	ppbv #	39
42) Bromodichloromethane	4.480	83	168	0.013	ppbv #	44
43) Methyl Methacrylate	4.907	69	39	0.006	ppbv #	1
44) 2,2,4-Trimethylpentane	4.638	57	425	0.014	ppbv #	2
45) t-1,3-Dichloropropene	6.418	75	74	0.010	ppbv #	42

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121624\
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 Sample : VSTDICC0.03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

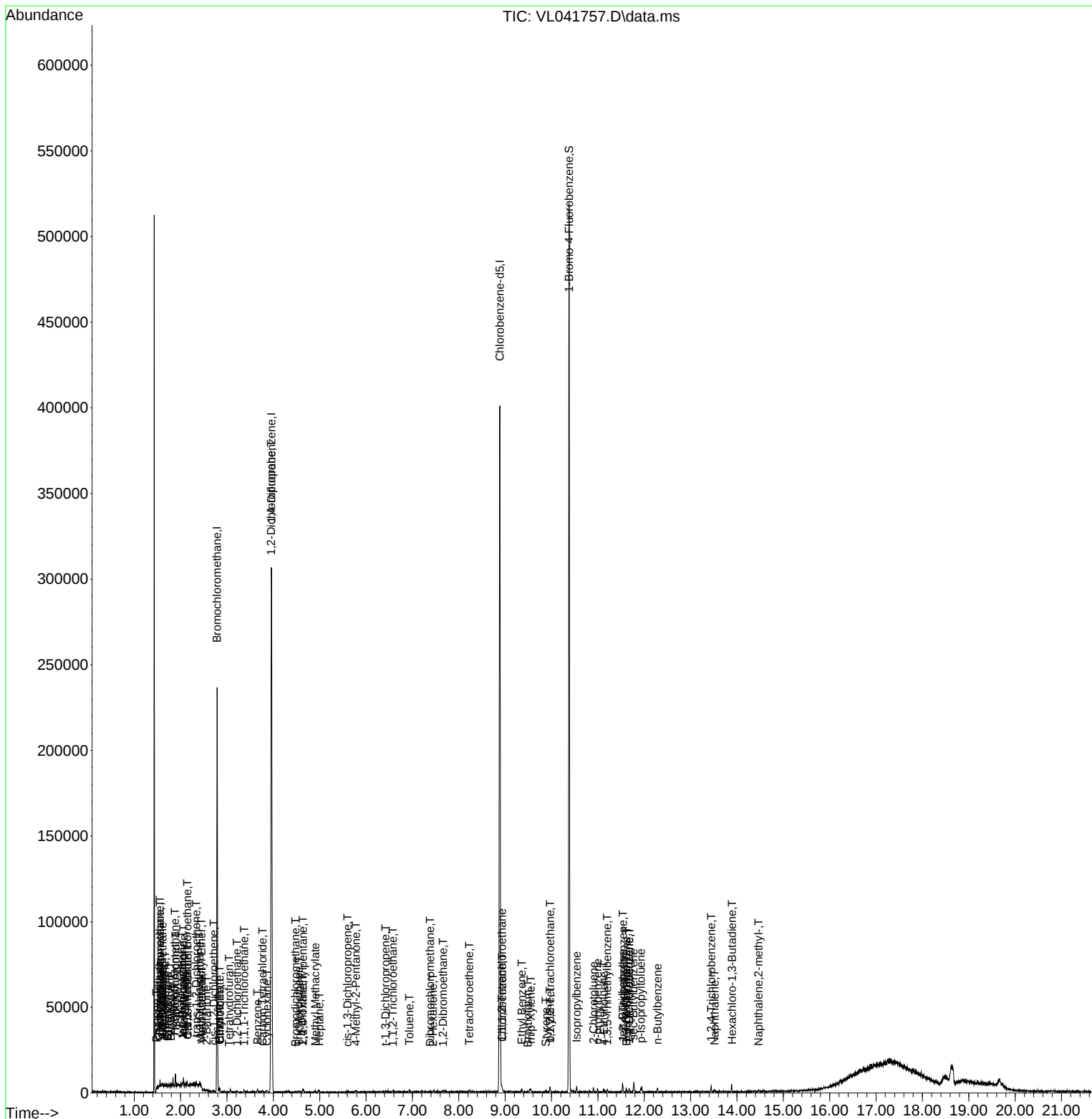
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.03

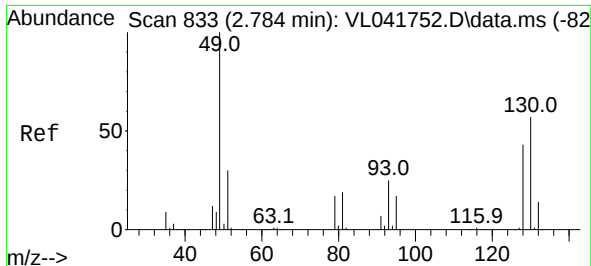
Quant Time: Dec 19 06:15:54 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121624AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Dec 19 06:09:59 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.599	75	67	0.007	ppbv #	67
47) 1,1,2-Trichloroethane	6.580	97	59	0.009	ppbv #	50
48) Dibromochloromethane	7.383	129	117	0.013	ppbv	85
49) Bromoform	9.487	173	118	0.015	ppbv	92
50) 4-Methyl-2-Pentanone	5.777	43	350	0.018	ppbv #	41
51) 2-Hexanone	7.441	43	97	0.006	ppbv #	31
52) Tetrachloroethene	8.224	164	135	0.020	ppbv #	76
53) Toluene	6.933	91	304	0.015	ppbv #	21
54) 1,2-Dibromoethane	7.661	107	213	0.023	ppbv #	42
56) 1,1,1,2-Tetrachloroethane	8.930	131	86	0.010	ppbv #	1
57) Chlorobenzene	8.933	112	114	0.007	ppbv #	70
58) Ethyl Benzene	9.357	91	516	0.018	ppbv	91
59) m/p-Xylene	9.551	91	500	0.022	ppbv #	100
60) o-Xylene	9.966	91	796	0.035	ppbv	83
61) Styrene	9.875	104	267	0.027	ppbv #	74
62) Isopropylbenzene	10.542	105	1186	0.035	ppbv	92
63) 1,1,2,2-Tetrachloroethane	9.969	83	455	0.032	ppbv #	96
64) n-propylbenzene	10.998	120	126	0.015	ppbv #	1
65) tert-Butylbenzene	11.535	119	444	0.015	ppbv #	1
66) Benzyl Chloride	11.620	91	43	0.016	ppbv #	66
67) sec-Butylbenzene	11.769	105	1194	0.028	ppbv #	86
69) p-Isopropyltoluene	11.927	119	781	0.022	ppbv #	87
70) n-Butylbenzene	12.290	91	344	0.010	ppbv #	1
71) 2-Chlorotoluene	10.908	91	428	0.017	ppbv #	57
72) 4-Ethyltoluene	11.131	105	424	0.016	ppbv #	75
73) 1,3,5-Trimethylbenzene	11.202	105	540	0.025	ppbv	87
74) 1,2,4-Trimethylbenzene	11.542	105	724	0.031	ppbv	91
75) 1,3-Dichlorobenzene	11.610	146	613	0.041	ppbv	78
76) 1,4-Dichlorobenzene	11.675	146	547	0.037	ppbv	86
77) 1,2-Dichlorobenzene	11.675	146	547	0.038	ppbv	83
78) Hexachloro-1,3-Butadiene	13.892	225	112	0.010	ppbv #	19
79) Naphthalene	13.516	128	540	0.033	ppbv #	69
80) Naphthalene,2-methyl-	14.465	142	206	0.040	ppbv #	77
81) 1,2,4-Trichlorobenzene	13.445	180	586	0.065	ppbv #	87

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

Quant Time: Dec 19 06:15:54 2024
Quant Method : Z:\voasrv\HPCHEM1\MSV0A_L\methods\VL121624AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSV0A_LFri Aug 26 06:05:16 2022
QLast Update : Thu Dec 19 06:09:59 2024
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 2.787 min Scan# 833

Delta R.T. 0.003 min

Lab File: VL041757.D

Acq: 16 Dec 2024 16:08

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.03

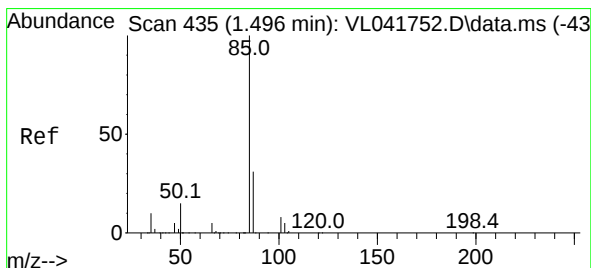
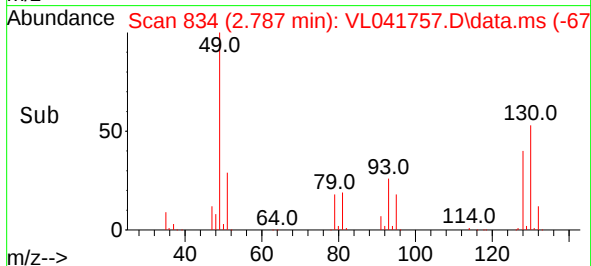
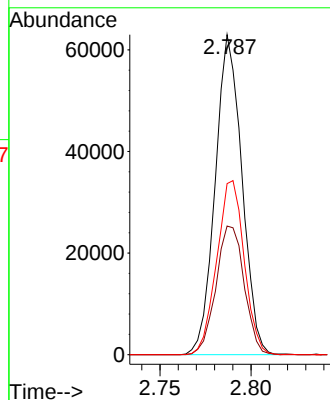
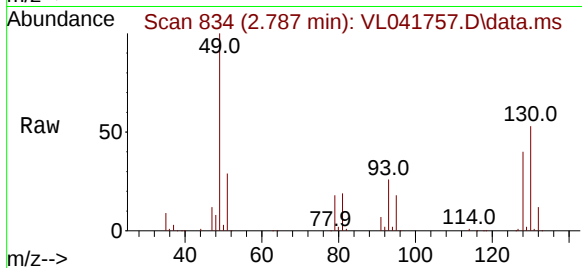
Tgt Ion: 49 Resp: 64158

Ion Ratio Lower Upper

49 100

128 42.4 21.6 64.6

130 56.0 28.3 85.0



#2

Dichlorodifluoromethane

Concen: 0.036 ppbv

RT: 1.554 min Scan# 453

Delta R.T. 0.058 min

Lab File: VL041757.D

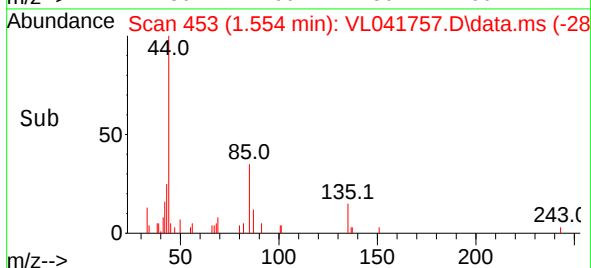
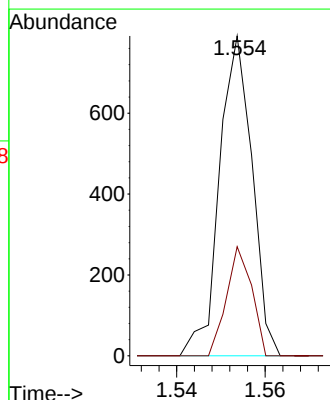
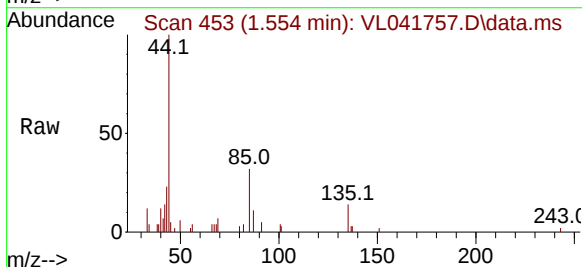
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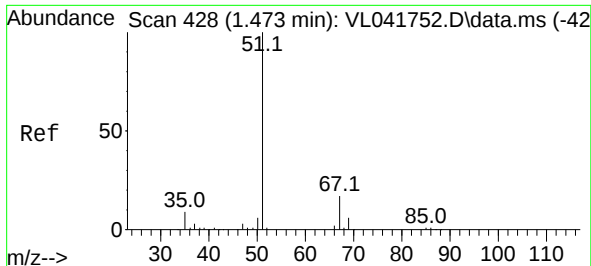
Tgt Ion: 85 Resp: 406

Ion Ratio Lower Upper

85 100

87 34.1 24.5 36.7

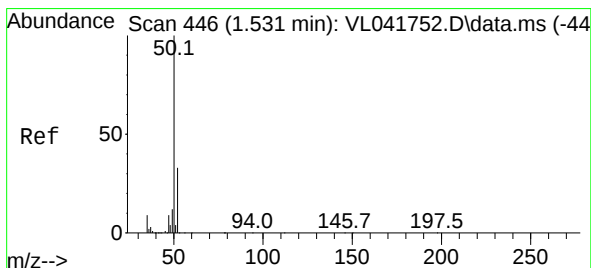
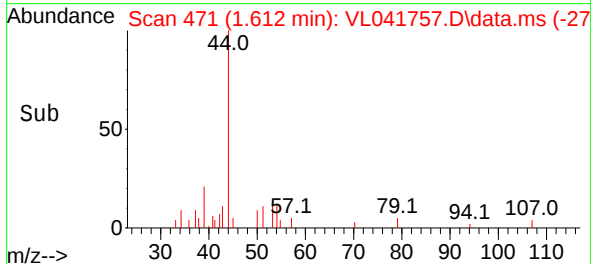
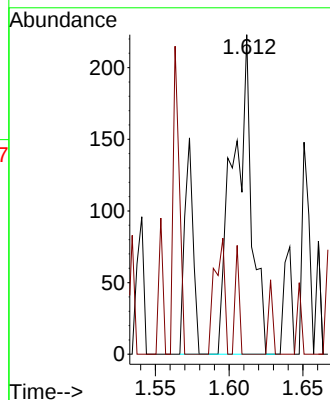
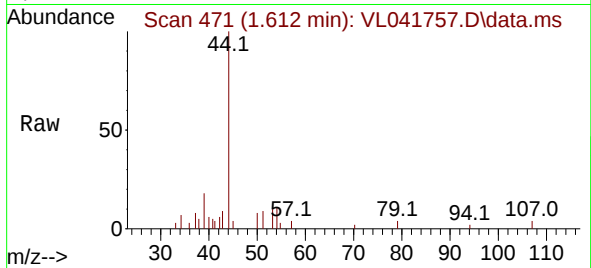




#3
Chlorodifluoromethane
Concen: 0.024 ppbv
RT: 1.612 min Scan# 41
Delta R.T. 0.139 min
Lab File: VL041757.D
Acq: 16 Dec 2024 16:08

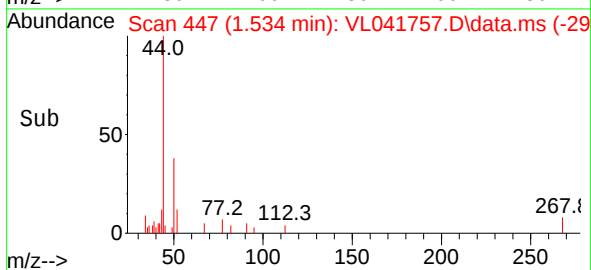
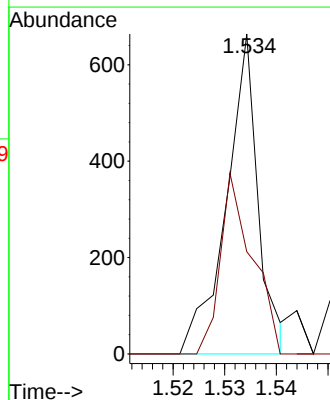
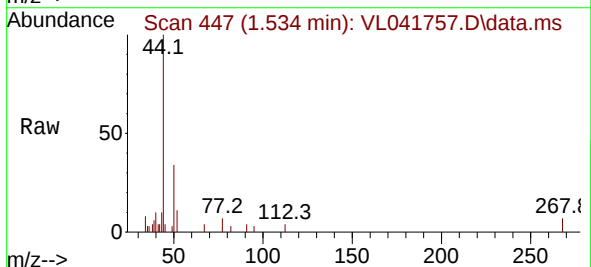
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

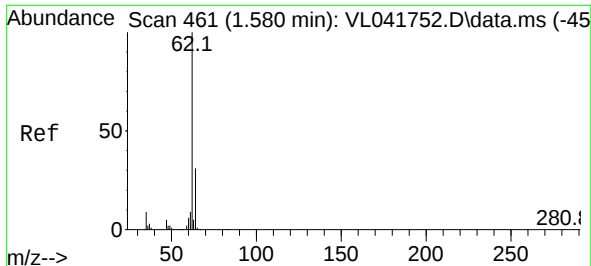
Tgt Ion: 51 Resp: 255
Ion Ratio Lower Upper
51 100
67 20.8 15.0 22.4



#4
Chloromethane
Concen: 0.064 ppbv
RT: 1.534 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL041757.D
Acq: 16 Dec 2024 16:08

Tgt Ion: 50 Resp: 285
Ion Ratio Lower Upper
50 100
52 31.9 26.2 39.2

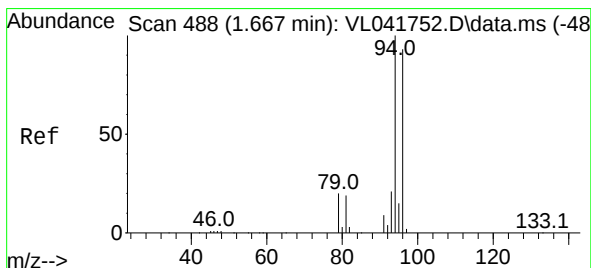
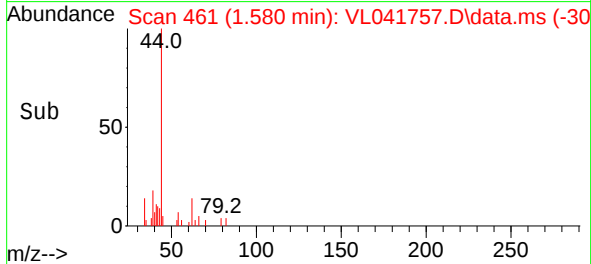
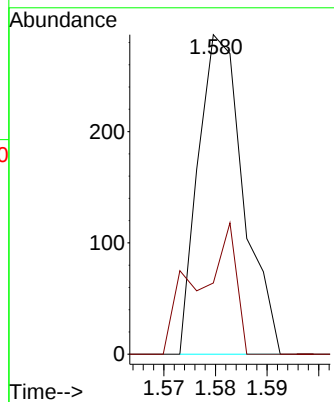
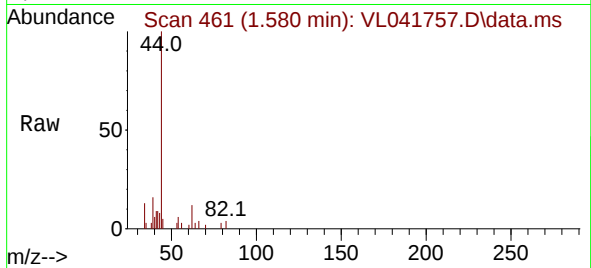




#5
 Vinyl Chloride
 Concen: 0.039 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. -0.000 min
 Lab File: VL041757.D
 Acq: 16 Dec 2024 16:08

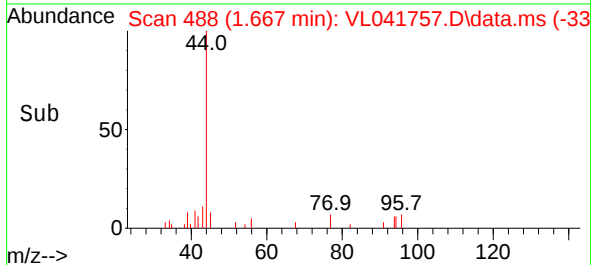
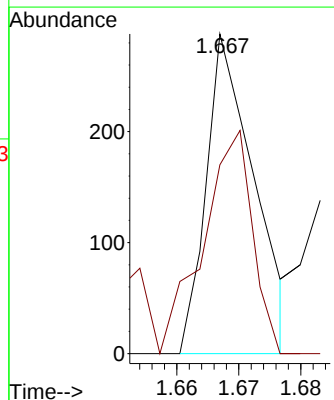
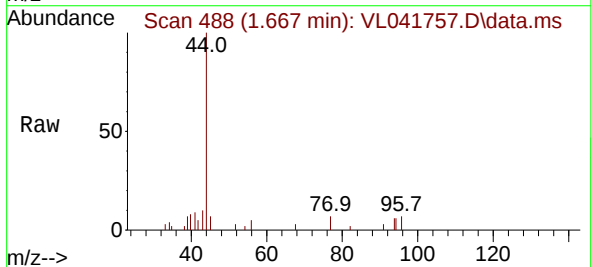
Instrument :
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 ClientSampleId :
 VSTDIC0.03

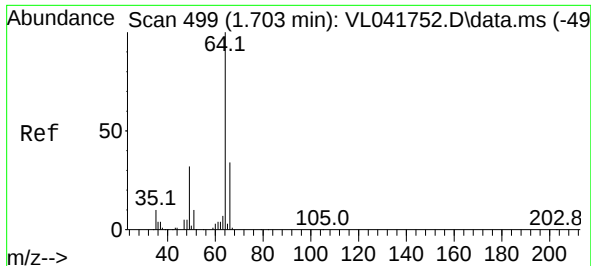
Tgt Ion: 62 Resp: 175
 Ion Ratio Lower Upper
 62 100
 64 22.3 25.1 37.7#



#6
 Bromomethane
 Concen: 0.073 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. -0.000 min
 Lab File: VL041757.D
 Acq: 16 Dec 2024 16:08

Tgt Ion: 94 Resp: 155
 Ion Ratio Lower Upper
 94 100
 96 59.0 74.7 112.1#

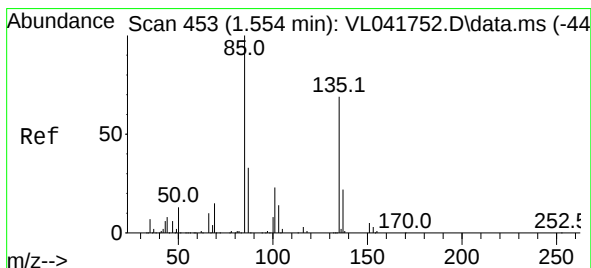
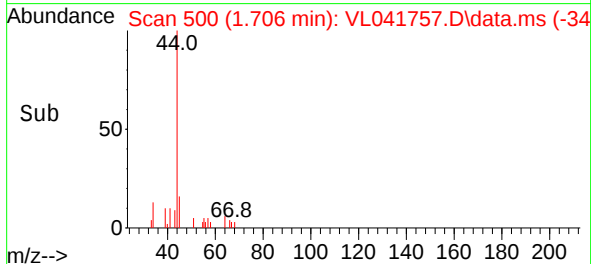
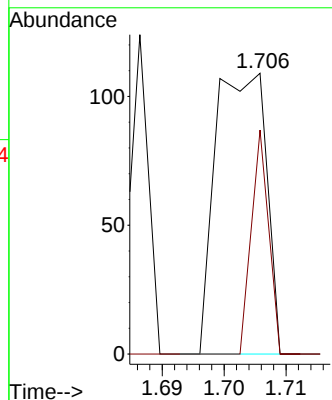
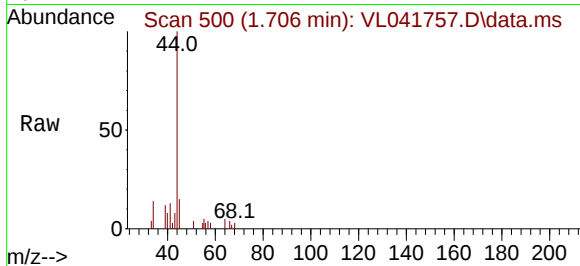




#7
Chloroethane
Concen: 0.035 ppbv
RT: 1.706 min Scan# 500
Delta R.T. 0.003 min
Lab File: VL041757.D
Acq: 16 Dec 2024 16:08

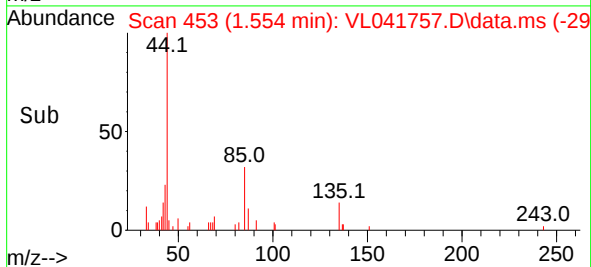
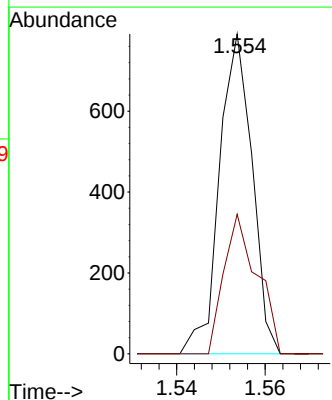
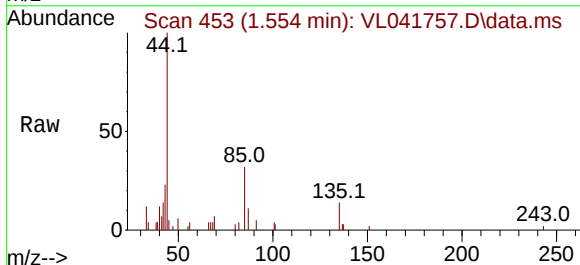
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

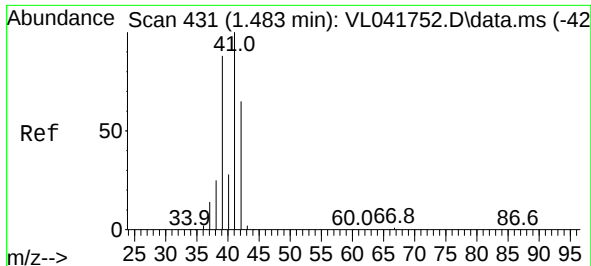
Tgt Ion: 64 Resp: 62
Ion Ratio Lower Upper
64 100
66 127.5 27.5 41.3#



#8
Dichlorotetrafluoroethane
Concen: 0.040 ppbv
RT: 1.554 min Scan# 453
Delta R.T. -0.000 min
Lab File: VL041757.D
Acq: 16 Dec 2024 16:08

Tgt Ion: 85 Resp: 406
Ion Ratio Lower Upper
85 100
135 44.3 51.9 77.9#





#9

Propene

Concen: 0.091 ppbv

RT: 1.482 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL041757.D

Acq: 16 Dec 2024 16:08

Instrument :

MSVOA_L

ClientSampleId :

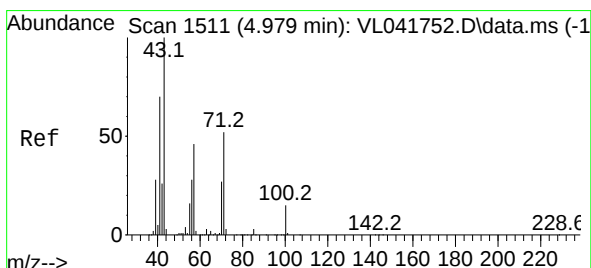
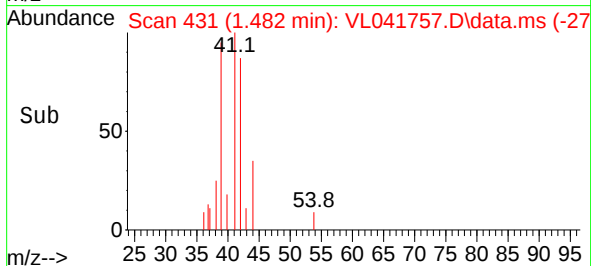
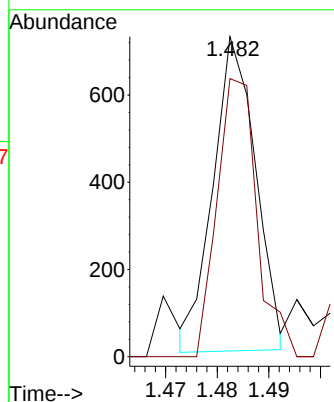
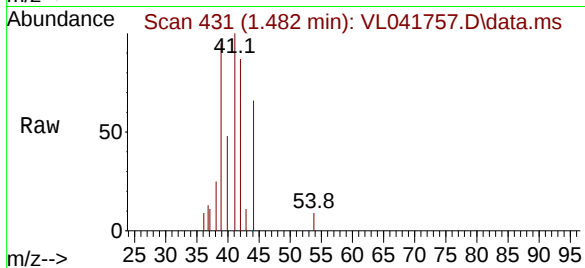
VSTDIC0.03

Tgt Ion: 41 Resp: 413

Ion Ratio Lower Upper

41 100

42 83.3 52.4 78.6#



#10

Heptane

Concen: 0.015 ppbv

RT: 4.991 min Scan# 1515

Delta R.T. 0.012 min

Lab File: VL041757.D

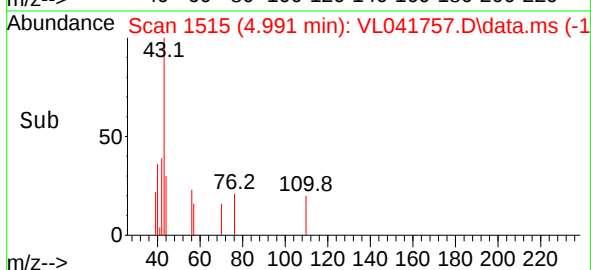
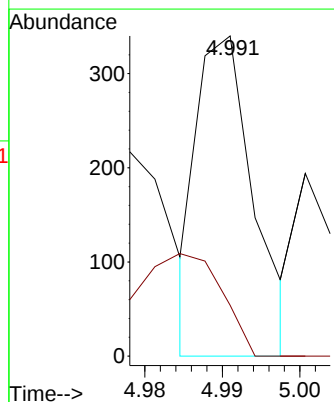
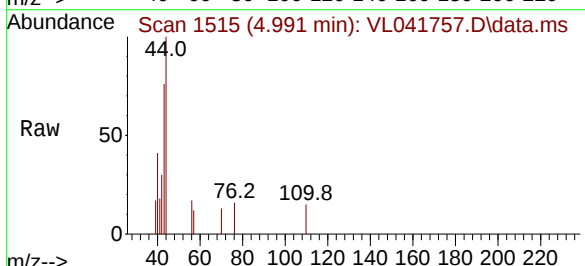
Acq: 16 Dec 2024 16:08

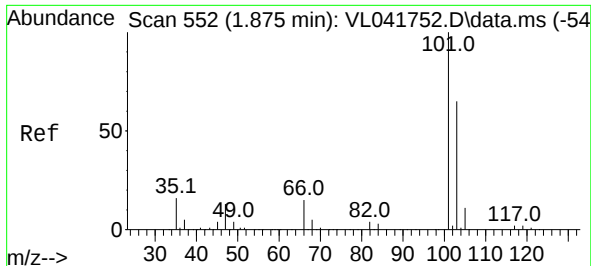
Tgt Ion: 43 Resp: 172

Ion Ratio Lower Upper

43 100

57 61.6 38.5 57.7#





#11

Trichlorofluoromethane

Concen: 0.046 ppbv

RT: 1.877 min Scan# 51

Delta R.T. 0.003 min

Lab File: VL041757.D

Acq: 16 Dec 2024 16:08

Instrument :

MSVOA_L

ClientSampleId :

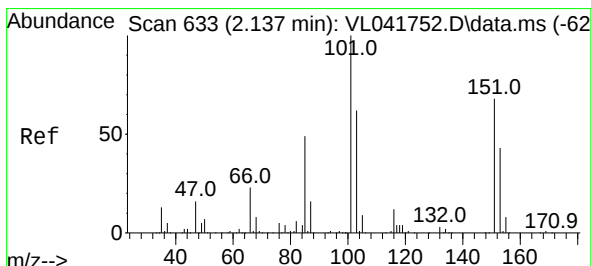
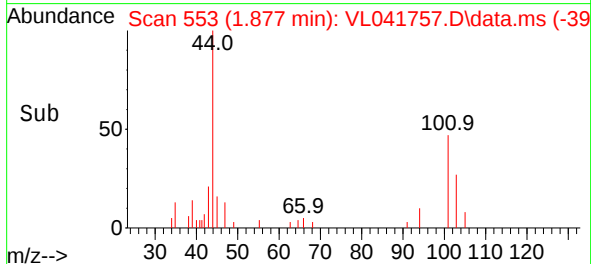
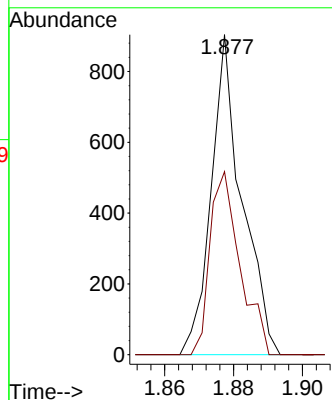
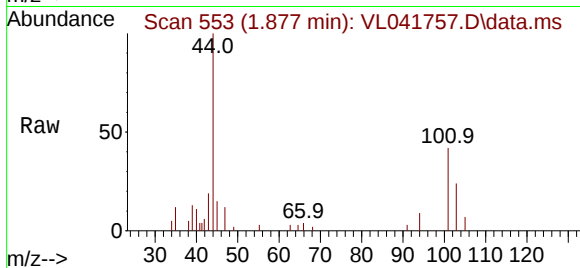
VSTDIC0.03

Tgt Ion:101 Resp: 560

Ion Ratio Lower Upper

101 100

103 57.2 51.8 77.8



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.032 ppbv

RT: 2.143 min Scan# 635

Delta R.T. 0.006 min

Lab File: VL041757.D

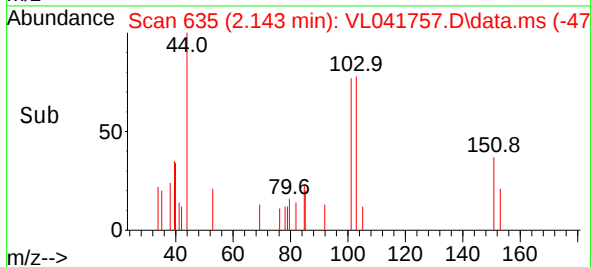
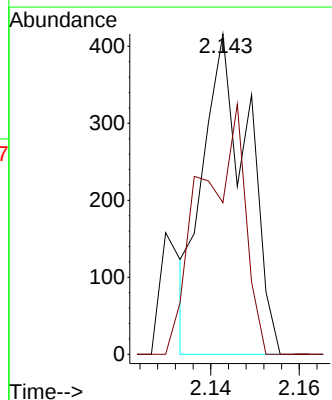
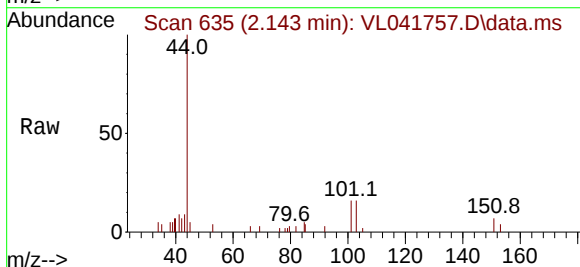
Acq: 16 Dec 2024 16:08

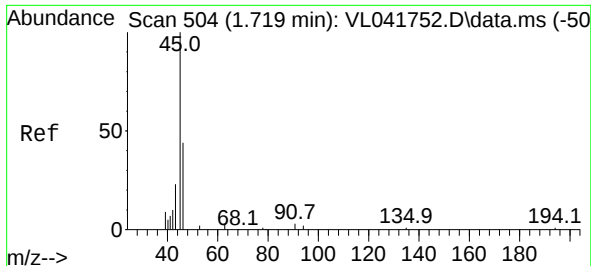
Tgt Ion:101 Resp: 293

Ion Ratio Lower Upper

101 100

151 75.4 56.8 85.2





#13

Ethanol

Concen: 0.740 ppbv

RT: 1.722 min Scan# 504

Delta R.T. 0.003 min

Lab File: VL041757.D

Acq: 16 Dec 2024 16:08

Instrument :

MSVOA_L

ClientSampleId :

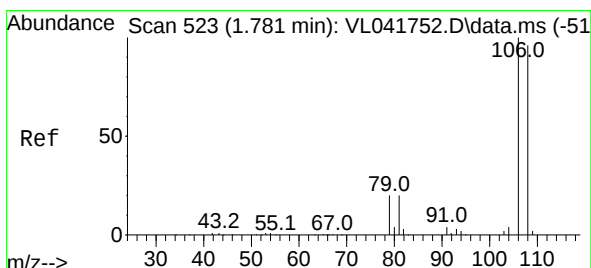
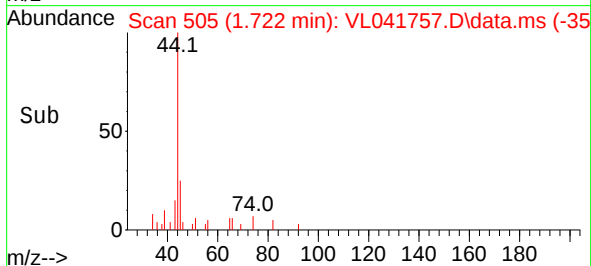
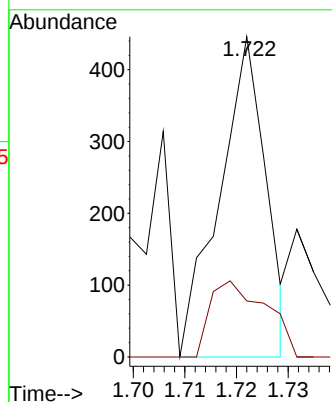
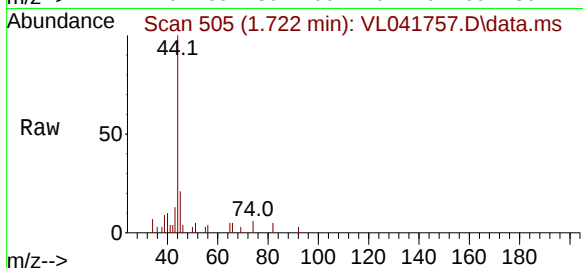
VSTDIC0.03

Tgt Ion: 45 Resp: 279

Ion Ratio Lower Upper

45 100

46 0.0 16.4 65.8#



#14

Bromoethene

Concen: 0.021 ppbv

RT: 1.787 min Scan# 525

Delta R.T. 0.006 min

Lab File: VL041757.D

Acq: 16 Dec 2024 16:08

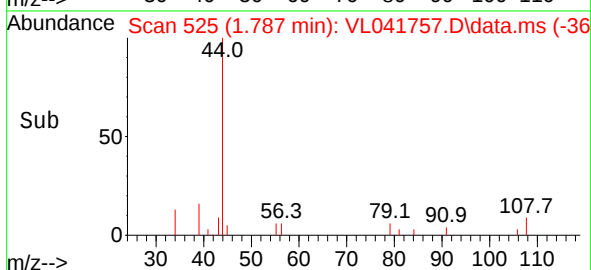
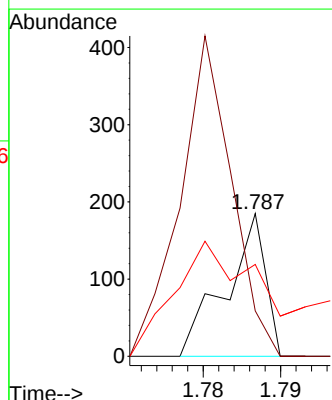
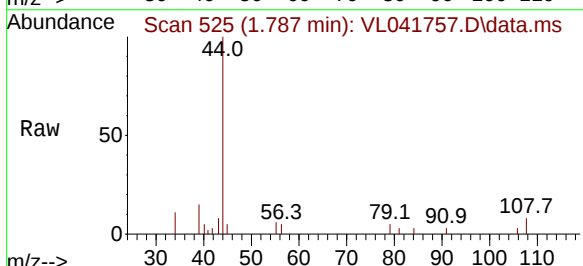
Tgt Ion: 108 Resp: 66

Ion Ratio Lower Upper

108 100

106 290.9 84.1 126.1#

79 374.2 17.4 26.0#





#15

Acetone

Concen: 0.169 ppbv

RT: 1.839 min Scan# 54

Delta R.T. 0.006 min

Lab File: VL041757.D

Acq: 16 Dec 2024 16:08

Instrument :

MSVOA_L

ClientSampleId :

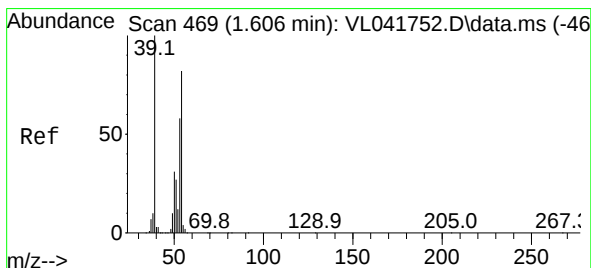
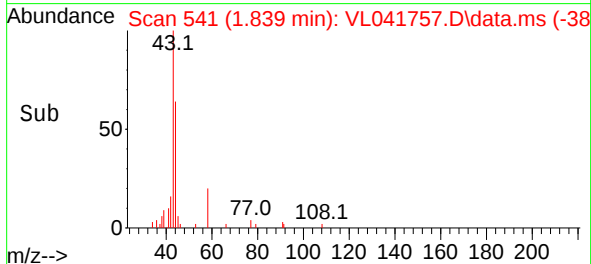
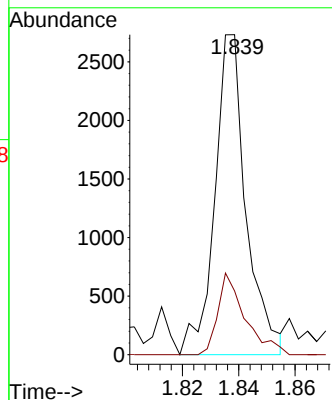
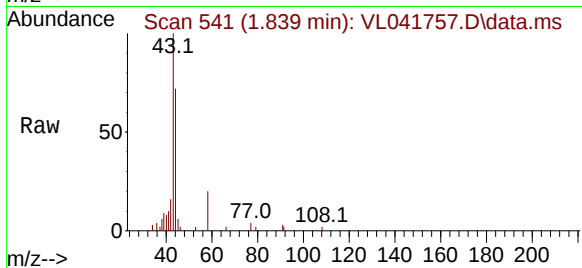
VSTDICC0.03

Tgt Ion: 43 Resp: 2113

Ion Ratio Lower Upper

43 100

58 22.1 19.7 29.5



#16

1,3-Butadiene

Concen: 0.051 ppbv

RT: 1.609 min Scan# 470

Delta R.T. 0.003 min

Lab File: VL041757.D

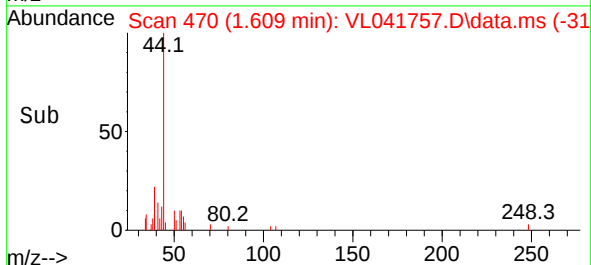
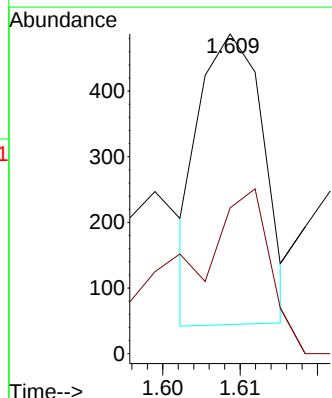
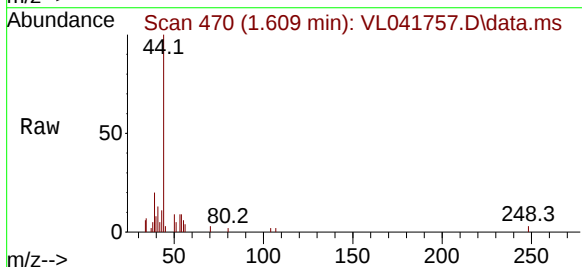
Acq: 16 Dec 2024 16:08

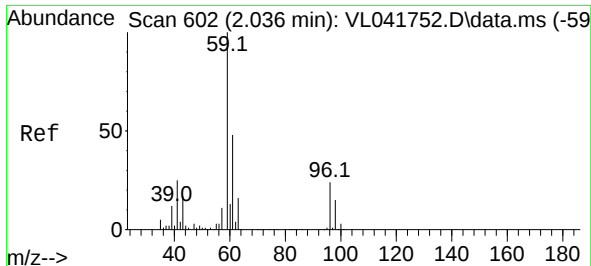
Tgt Ion: 39 Resp: 252

Ion Ratio Lower Upper

39 100

54 127.0 58.4 87.6#

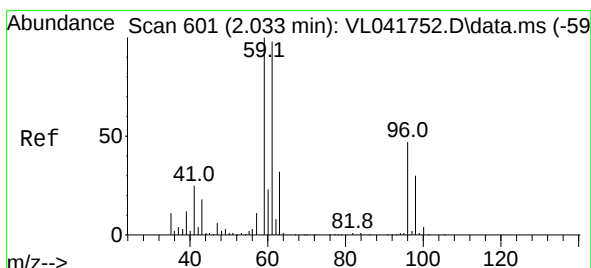
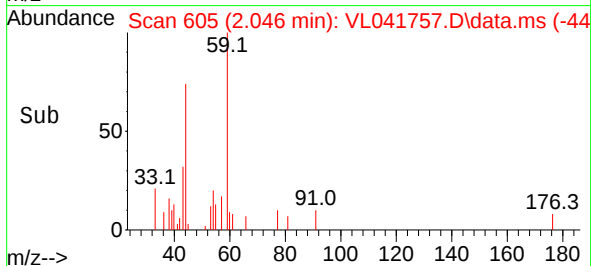
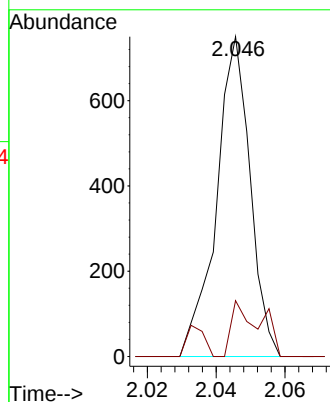
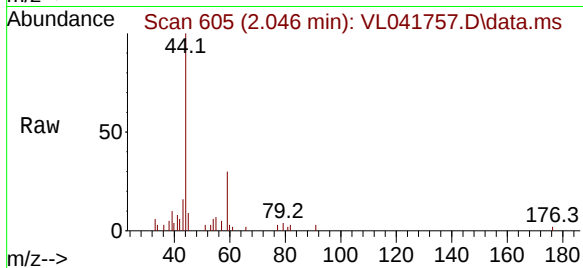




#17
tert-Butyl alcohol
Concen: 0.041 ppbv
RT: 2.046 min Scan# 605
Delta R.T. 0.009 min
Lab File: VL041757.D
Acq: 16 Dec 2024 16:08

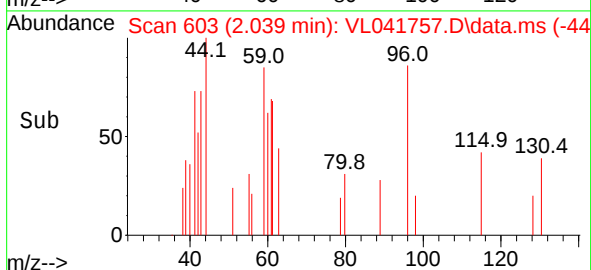
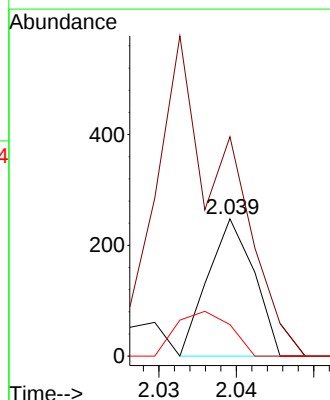
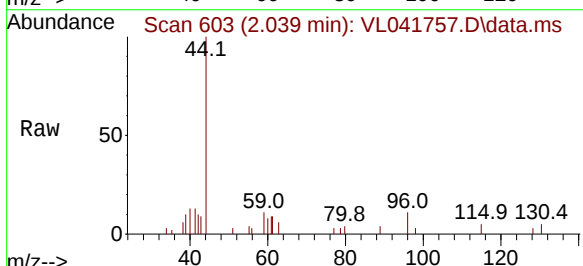
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.03

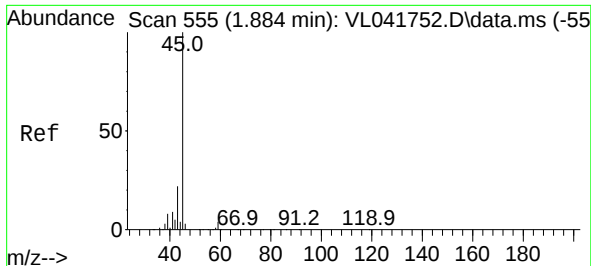
Tgt Ion: 59 Resp: 509
Ion Ratio Lower Upper
59 100
57 19.8 8.6 13.0#



#18
1,1-Dichloroethene
Concen: 0.027 ppbv
RT: 2.039 min Scan# 603
Delta R.T. 0.006 min
Lab File: VL041757.D
Acq: 16 Dec 2024 16:08

Tgt Ion: 96 Resp: 103
Ion Ratio Lower Upper
96 100
61 135.9 167.7 251.5#
98 23.0 51.1 76.7#





#19

Isopropyl Alcohol

Concen: 0.390 ppbv

RT: 1.890 min Scan# 51

Delta R.T. 0.006 min

Lab File: VL041757.D

Acq: 16 Dec 2024 16:08

Instrument :

MSVOA_1

ClientSampleId :

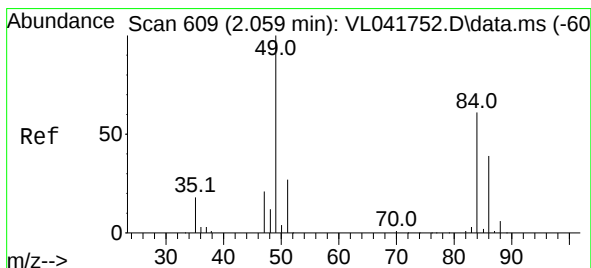
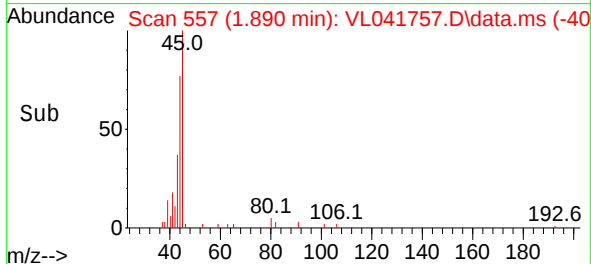
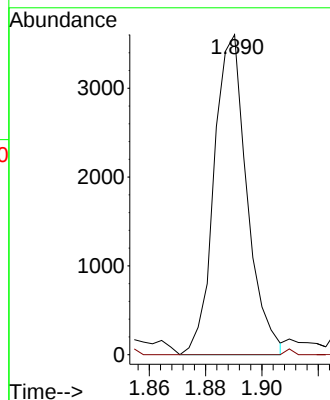
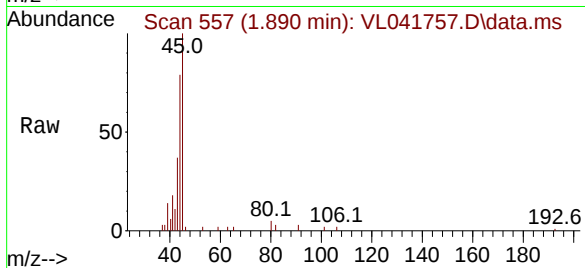
VSTDIC0.03

Tgt Ion: 45 Resp: 2921

Ion Ratio Lower Upper

45 100

58 0.0 33.3 49.9#



#20

Methylene Chloride

Concen: 0.172 ppbv

RT: 2.065 min Scan# 611

Delta R.T. 0.006 min

Lab File: VL041757.D

Acq: 16 Dec 2024 16:08

Tgt Ion: 84 Resp: 613

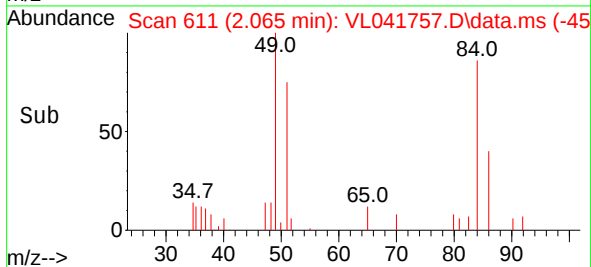
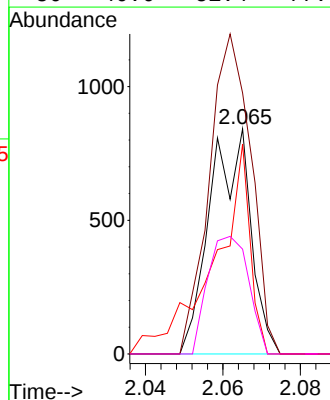
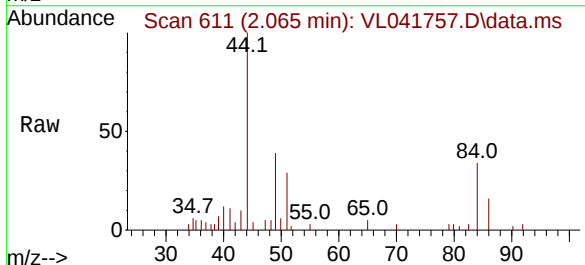
Ion Ratio Lower Upper

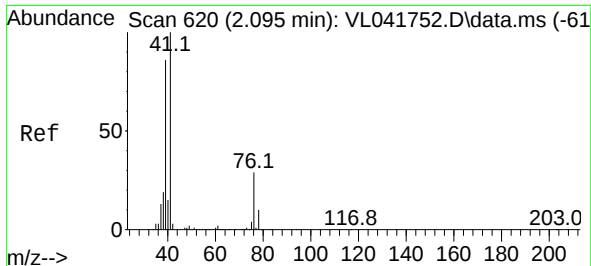
84 100

49 115.9 132.6 198.8#

51 93.2 37.6 56.4#

86 46.6 51.4 77.0#





#21

Allyl Chloride

Concen: 0.084 ppbv

RT: 2.097 min Scan# 61

Delta R.T. 0.003 min

Lab File: VL041757.D

Acq: 16 Dec 2024 16:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

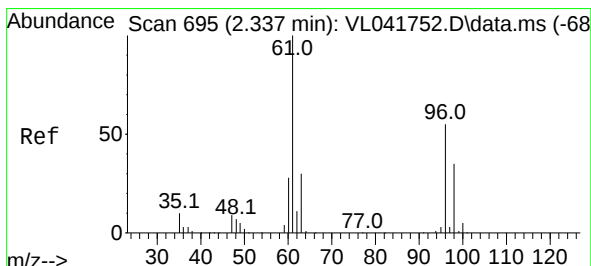
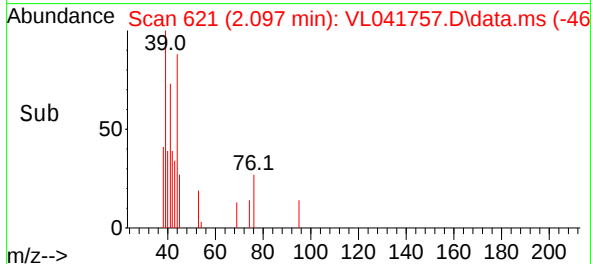
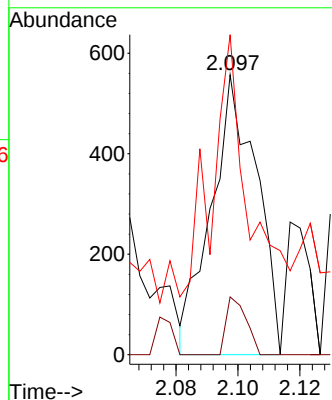
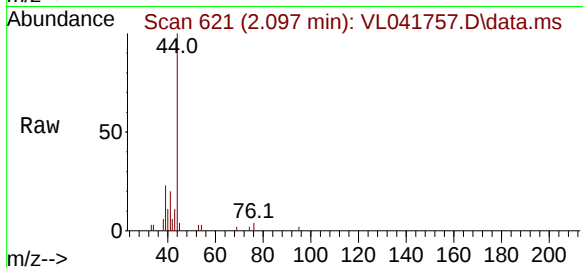
Tgt Ion: 41 Resp: 566

Ion Ratio Lower Upper

41 100

76 9.2 22.3 33.5#

39 125.1 69.2 103.8#



#22

trans-1,2-Dichloroethene

Concen: 0.038 ppbv

RT: 2.337 min Scan# 695

Delta R.T. -0.000 min

Lab File: VL041757.D

Acq: 16 Dec 2024 16:08

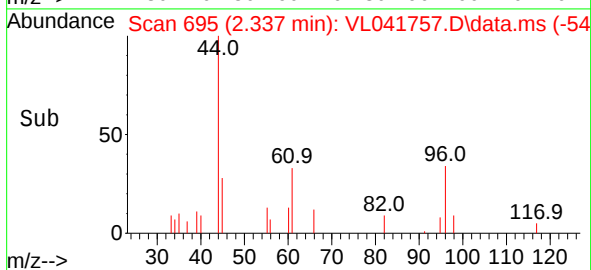
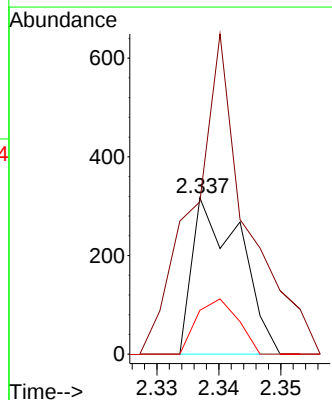
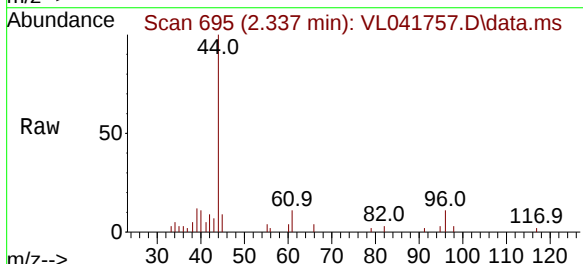
Tgt Ion: 96 Resp: 170

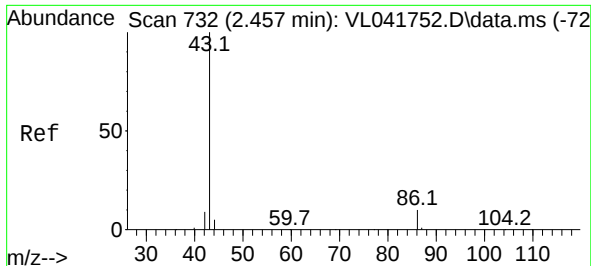
Ion Ratio Lower Upper

96 100

61 56.8 146.3 219.5#

98 28.1 50.8 76.2#

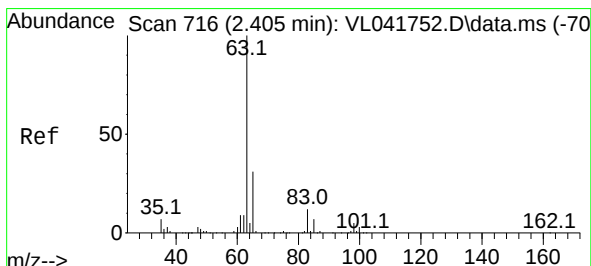
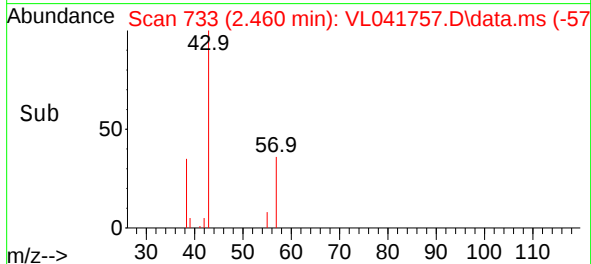
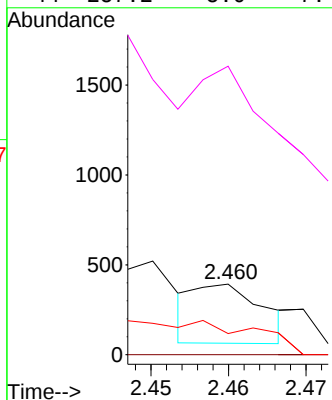
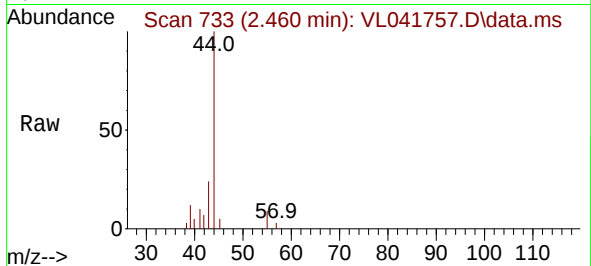




#23
 Vinyl Acetate
 Concen: 0.037 ppbv
 RT: 2.460 min Scan# 718
 Delta R.T. 0.003 min
 Lab File: VL041757.D
 Acq: 16 Dec 2024 16:08

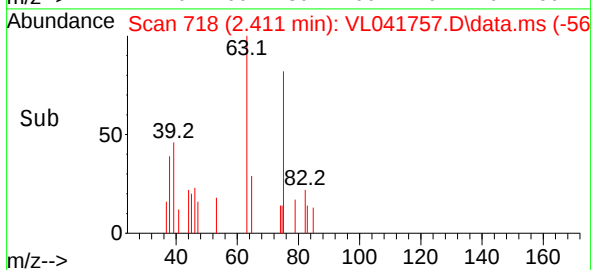
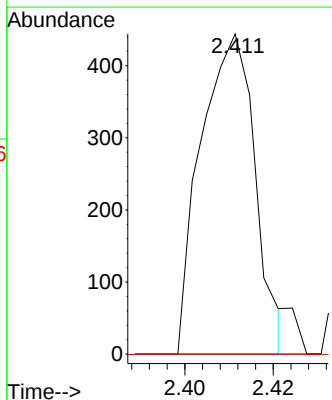
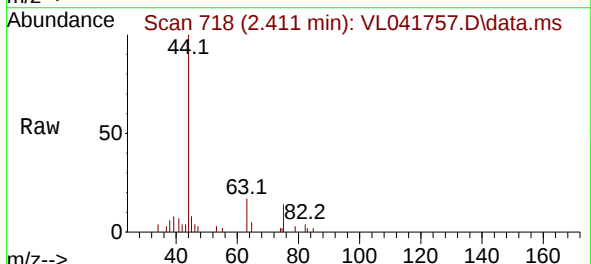
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.03

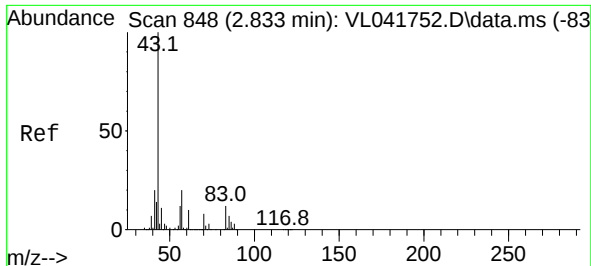
Tgt Ion:	43	Resp:	202
Ion	Ratio	Lower	Upper
43	100		
86	0.0	6.6	10.0#
42	0.0	8.2	12.2#
44	257.2	5.0	7.4#



#24
 1,1-Dichloroethane
 Concen: 0.042 ppbv
 RT: 2.411 min Scan# 718
 Delta R.T. 0.006 min
 Lab File: VL041757.D
 Acq: 16 Dec 2024 16:08

Tgt Ion:	63	Resp:	378
Ion	Ratio	Lower	Upper
63	100		
98	0.0	2.3	6.8#
100	0.0	1.4	4.2#





#25

Ethyl Acetate

Concen: 0.029 ppbv

RT: 2.839 min Scan# 848

Delta R.T. 0.006 min

Lab File: VL041757.D

Acq: 16 Dec 2024 16:08

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.03

Tgt Ion: 43 Resp: 677

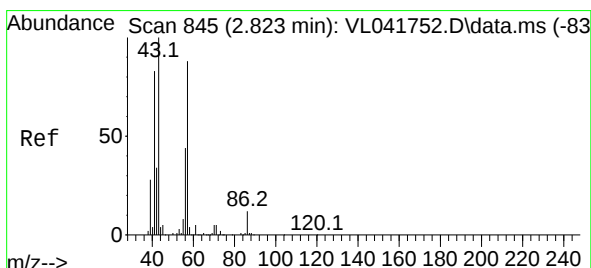
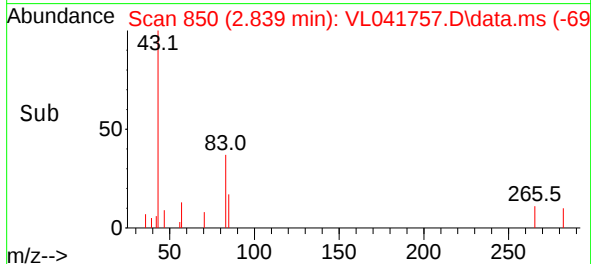
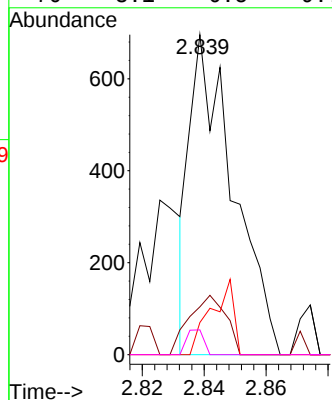
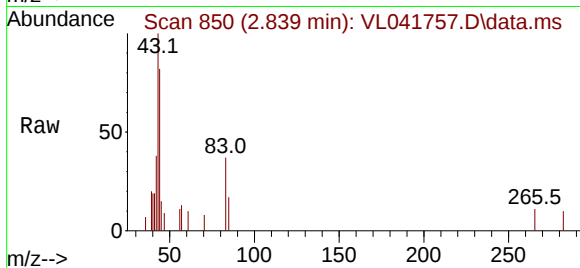
Ion Ratio Lower Upper

43 100

45 19.2 8.1 12.1#

61 12.3 7.0 10.6#

70 3.1 6.5 9.7#



#26

Hexane

Concen: 0.016 ppbv

RT: 2.829 min Scan# 847

Delta R.T. 0.006 min

Lab File: VL041757.D

Acq: 16 Dec 2024 16:08

Tgt Ion: 57 Resp: 141

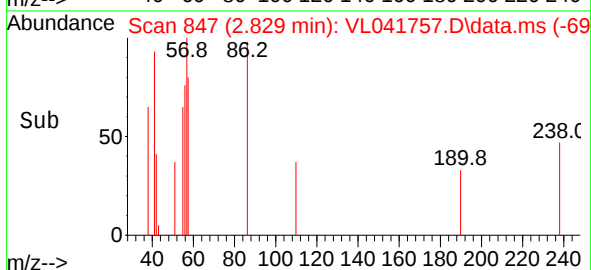
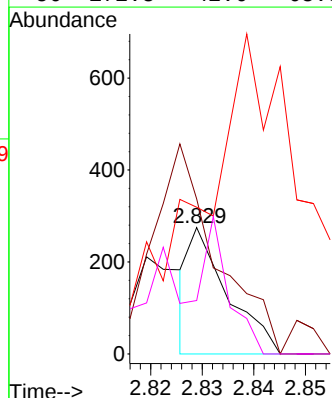
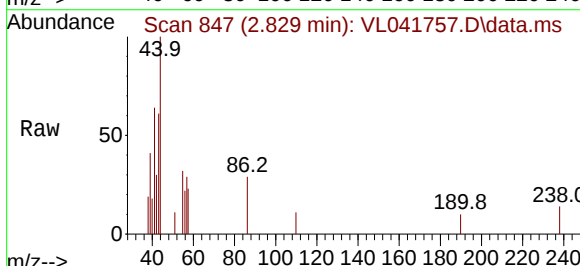
Ion Ratio Lower Upper

57 100

41 306.4 79.6 119.4#

43 771.6 211.0 316.6#

56 172.3 42.6 63.8#





#27

Carbon Disulfide

Concen: 0.026 ppbv

RT: 2.152 min Scan# 61

Delta R.T. 0.003 min

Lab File: VL041757.D

Acq: 16 Dec 2024 16:08

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.03

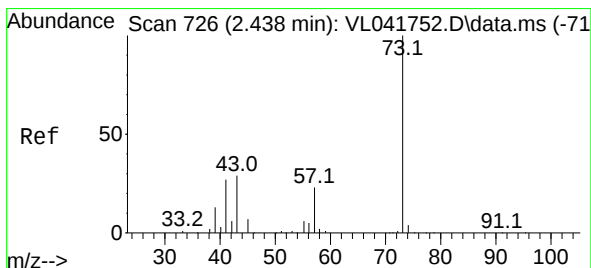
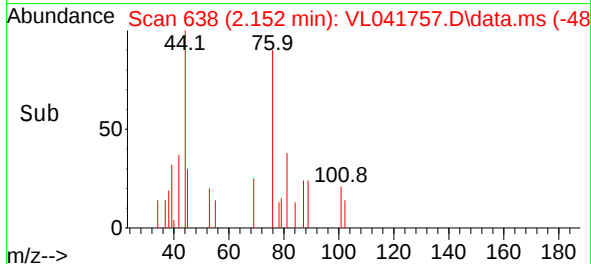
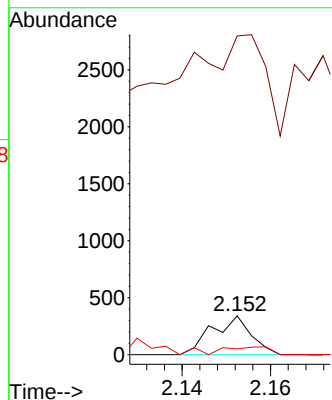
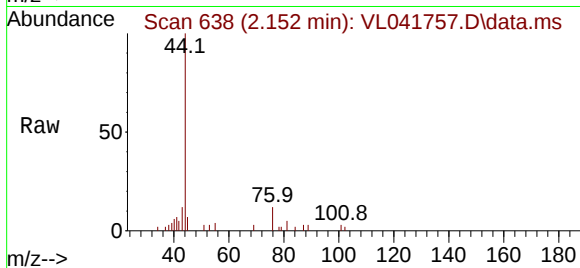
Tgt Ion: 76 Resp: 210

Ion Ratio Lower Upper

76 100

44 1391.9 17.6 26.4#

78 54.3 10.2 15.4#



#28

Methyl tert-Butyl Ether

Concen: 0.016 ppbv

RT: 2.450 min Scan# 730

Delta R.T. 0.012 min

Lab File: VL041757.D

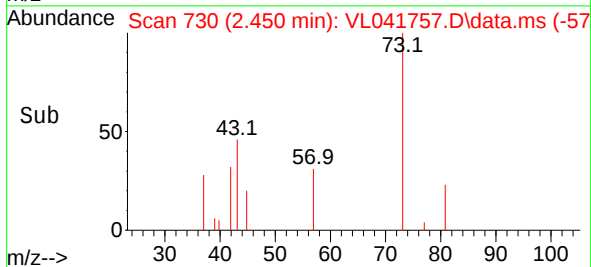
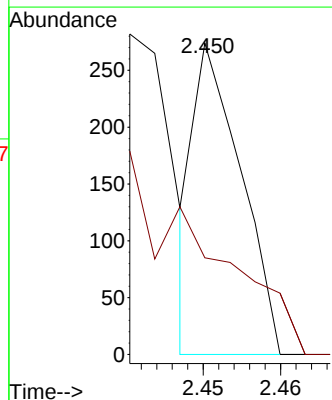
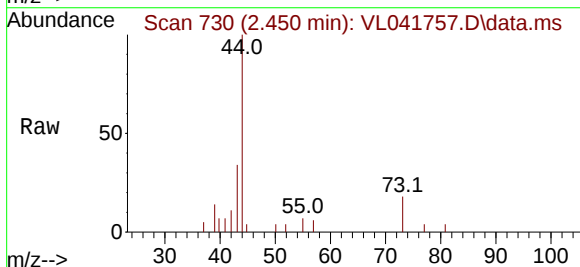
Acq: 16 Dec 2024 16:08

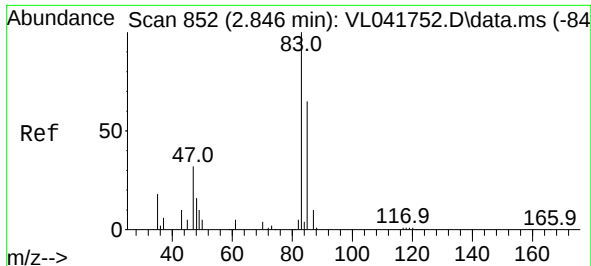
Tgt Ion: 73 Resp: 114

Ion Ratio Lower Upper

73 100

57 21.1 17.6 26.4





#29

Chloroform

Concen: 0.033 ppbv

RT: 2.852 min Scan# 852

Delta R.T. 0.006 min

Lab File: VL041757.D

Acq: 16 Dec 2024 16:08

Instrument :

MSVOA_L

ClientSampleId :

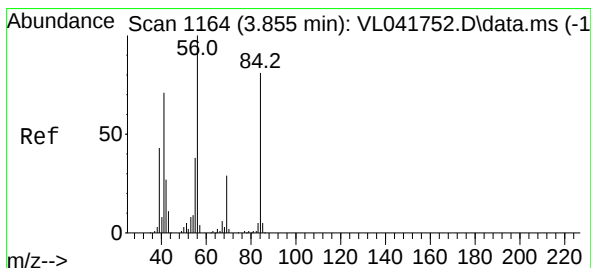
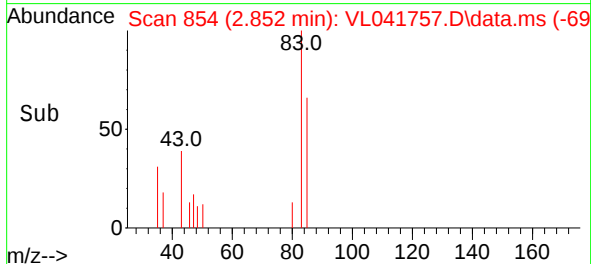
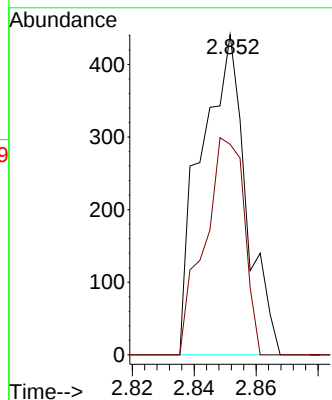
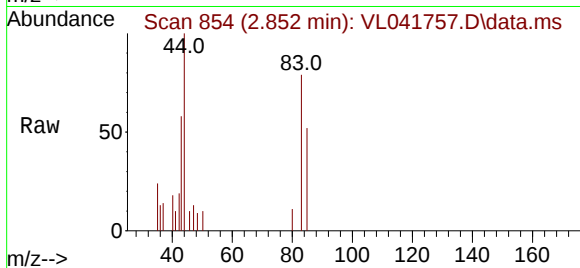
VSTDIC0.03

Tgt Ion: 83 Resp: 444

Ion Ratio Lower Upper

83 100

85 65.8 51.8 77.6



#30

Cyclohexane

Concen: 0.021 ppbv

RT: 3.861 min Scan# 1166

Delta R.T. 0.006 min

Lab File: VL041757.D

Acq: 16 Dec 2024 16:08

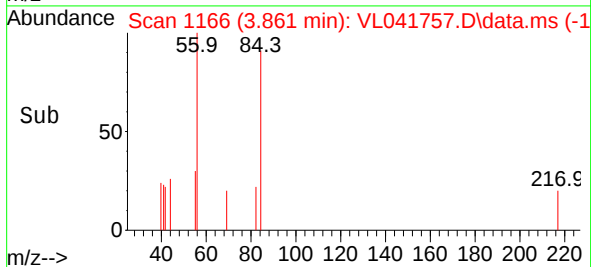
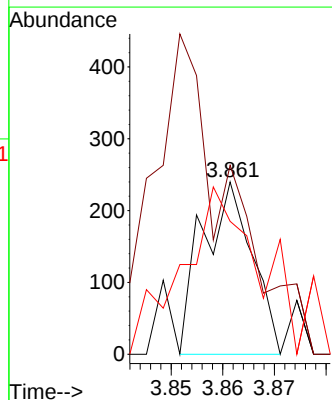
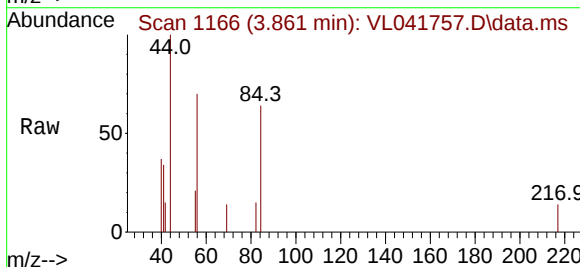
Tgt Ion: 84 Resp: 161

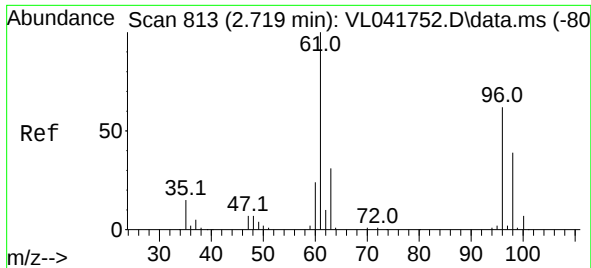
Ion Ratio Lower Upper

84 100

56 0.0 102.3 153.5#

41 170.8 74.0 111.0#

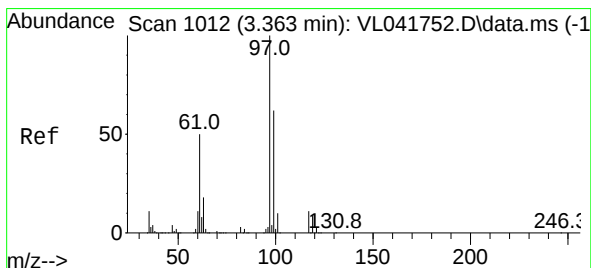
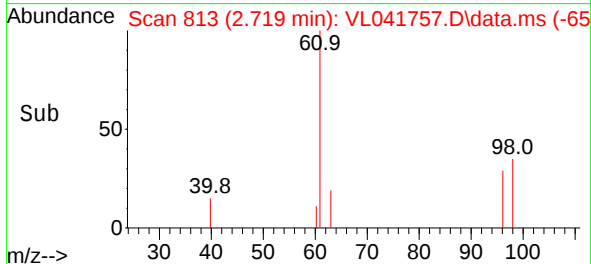
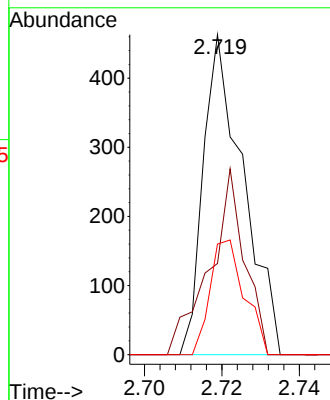
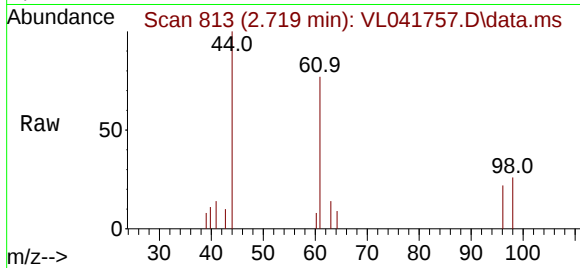




#31
 cis-1,2-Dichloroethene
 Concen: 0.036 ppbv
 RT: 2.719 min Scan# 813
 Delta R.T. -0.000 min
 Lab File: VL041757.D
 Acq: 16 Dec 2024 16:08

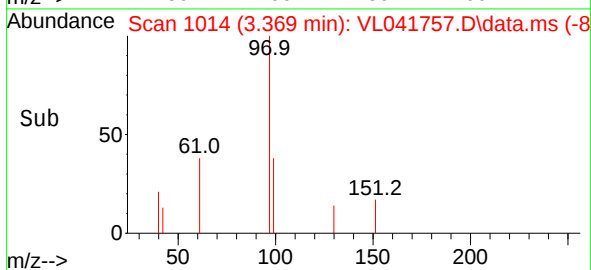
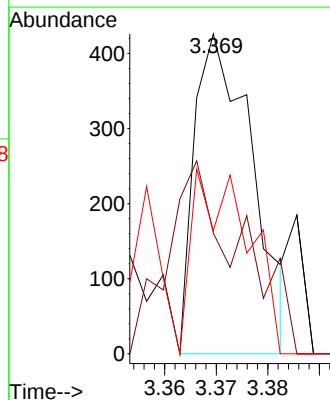
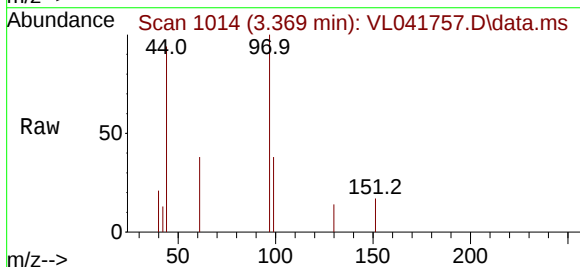
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

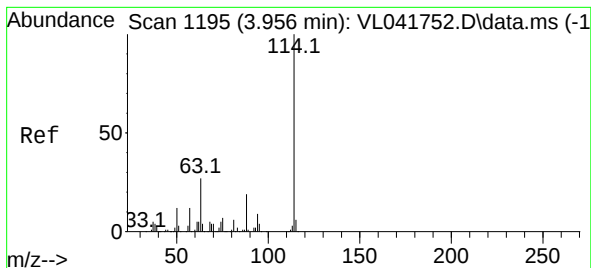
Tgt Ion: 61 Resp: 330
 Ion Ratio Lower Upper
 61 100
 96 28.5 49.7 74.5#
 98 34.6 30.8 46.2



#32
 1,1,1-Trichloroethane
 Concen: 0.025 ppbv
 RT: 3.369 min Scan# 1014
 Delta R.T. 0.006 min
 Lab File: VL041757.D
 Acq: 16 Dec 2024 16:08

Tgt Ion: 97 Resp: 332
 Ion Ratio Lower Upper
 97 100
 99 76.5 51.0 76.4#
 61 79.8 42.2 63.2#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.958 min Scan# 1195

Delta R.T. 0.003 min

Lab File: VL041757.D

Acq: 16 Dec 2024 16:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

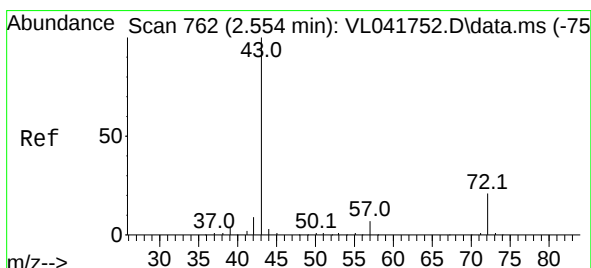
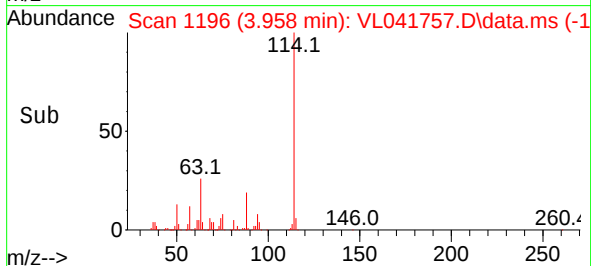
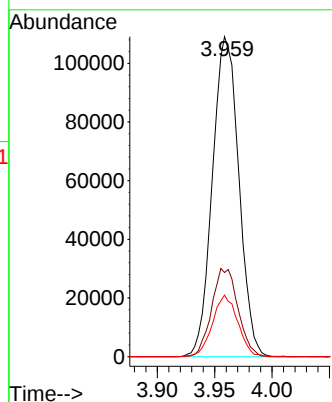
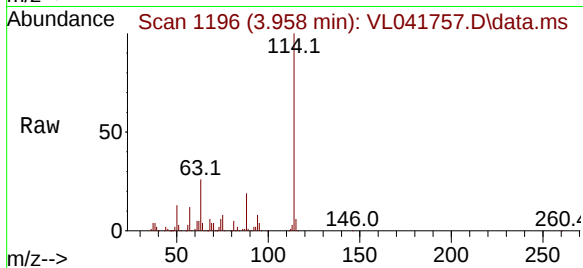
Tgt Ion:114 Resp: 174825

Ion Ratio Lower Upper

114 100

63 27.5 21.8 32.8

88 18.4 14.8 22.2



#34

2-Butanone

Concen: 0.049 ppbv

RT: 2.560 min Scan# 764

Delta R.T. 0.006 min

Lab File: VL041757.D

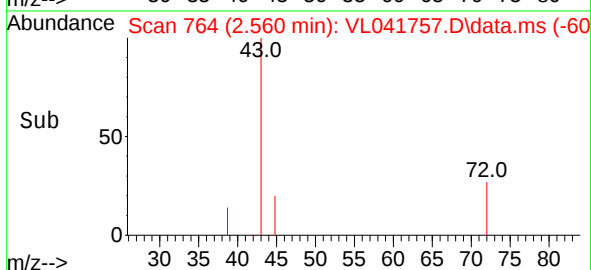
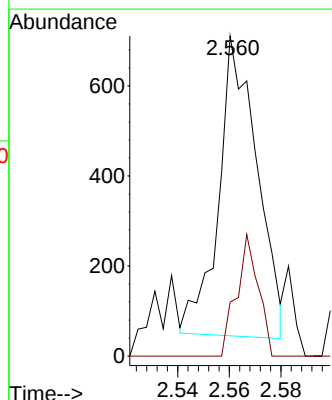
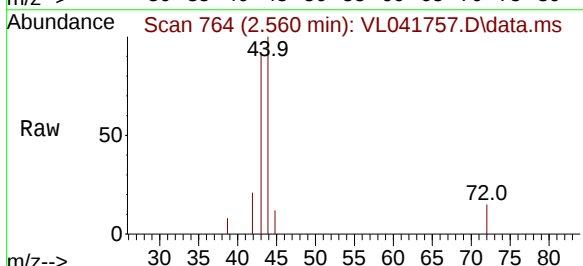
Acq: 16 Dec 2024 16:08

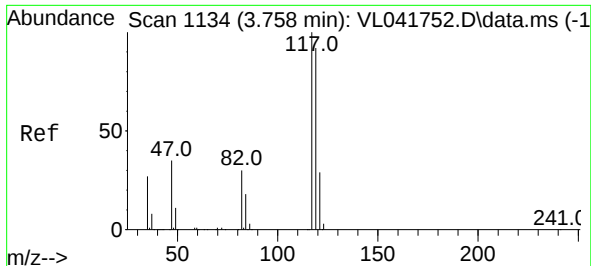
Tgt Ion: 43 Resp: 686

Ion Ratio Lower Upper

43 100

72 23.0 16.8 25.2

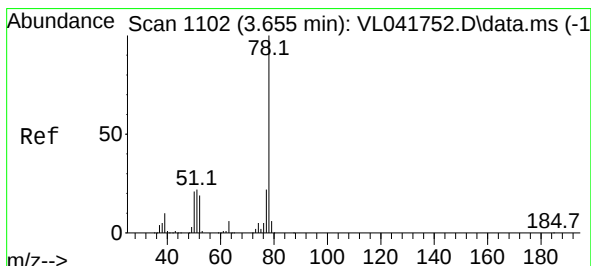
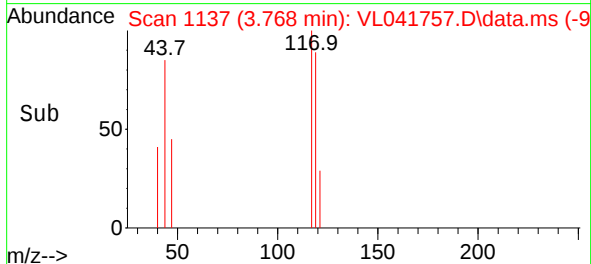
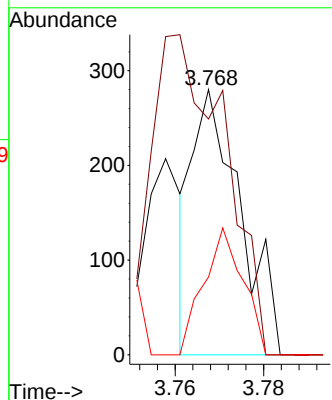
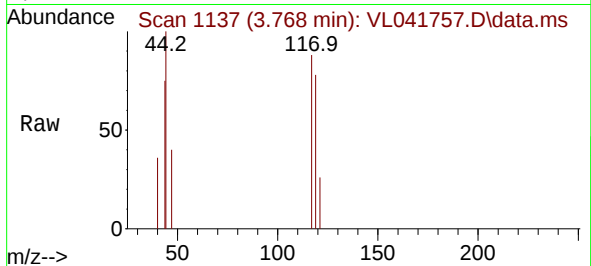




#35
Carbon Tetrachloride
Concen: 0.017 ppbv
RT: 3.768 min Scan# 1134
Delta R.T. 0.009 min
Lab File: VL041757.D
Acq: 16 Dec 2024 16:08

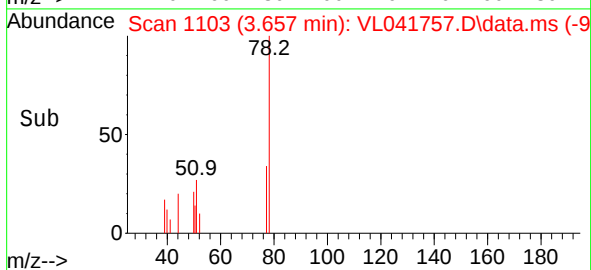
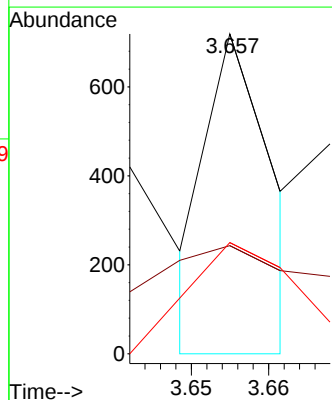
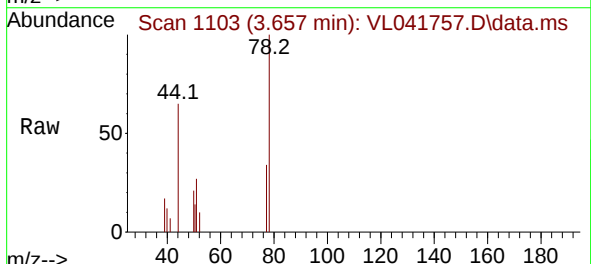
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

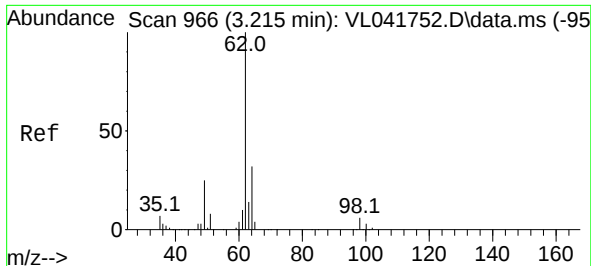
Tgt Ion:117 Resp: 209
Ion Ratio Lower Upper
117 100
119 88.9 73.7 110.5
121 29.3 23.0 34.4



#36
Benzene
Concen: 0.012 ppbv
RT: 3.657 min Scan# 1103
Delta R.T. 0.003 min
Lab File: VL041757.D
Acq: 16 Dec 2024 16:08

Tgt Ion: 78 Resp: 211
Ion Ratio Lower Upper
78 100
77 11.5 17.8 26.6#
50 25.6 17.2 25.8

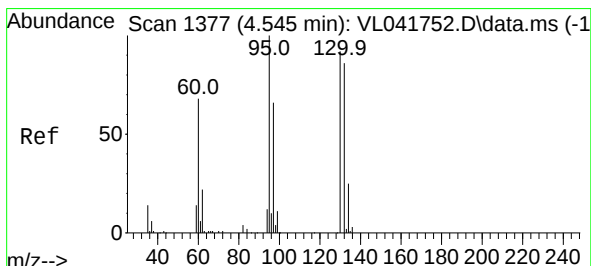
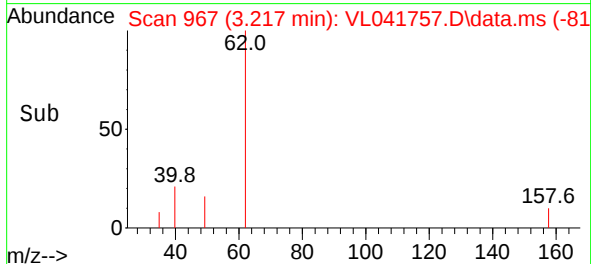
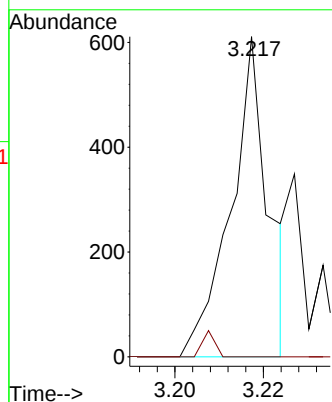
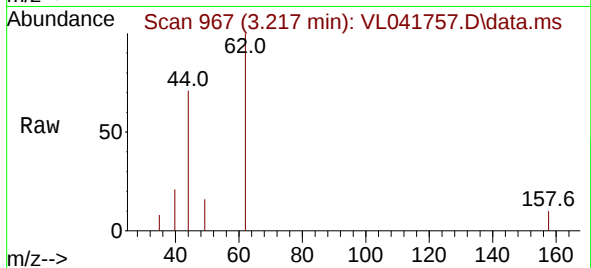




#37
1,2-Dichloroethane
Concen: 0.032 ppbv
RT: 3.217 min Scan# 9
Delta R.T. 0.003 min
Lab File: VL041757.D
Acq: 16 Dec 2024 16:08

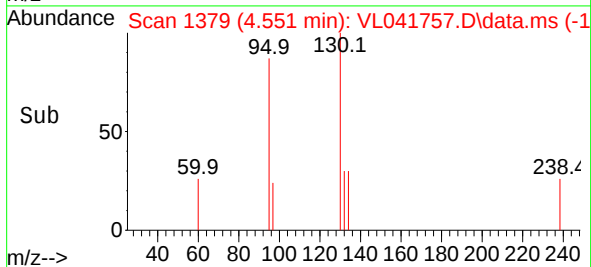
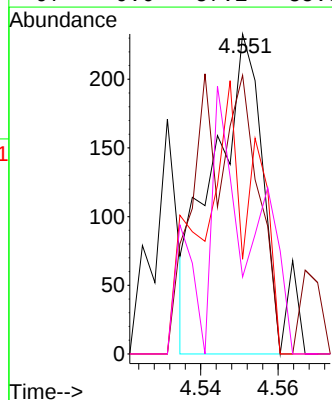
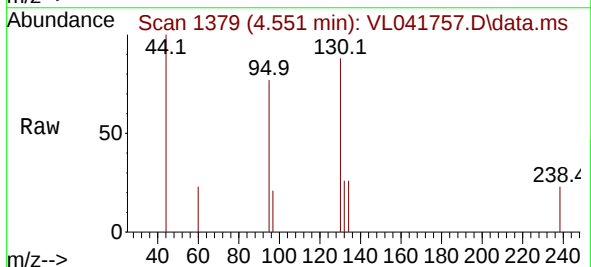
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

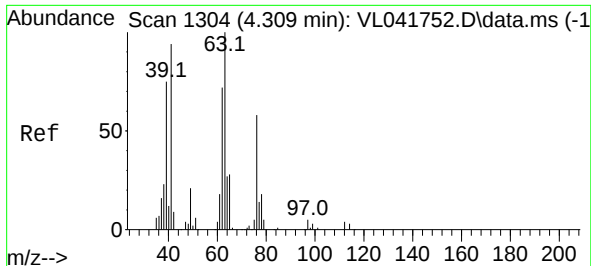
Tgt Ion: 62 Resp: 357
Ion Ratio Lower Upper
62 100
98 0.0 4.7 7.1#



#38
Trichloroethene
Concen: 0.027 ppbv
RT: 4.551 min Scan# 1379
Delta R.T. 0.006 min
Lab File: VL041757.D
Acq: 16 Dec 2024 16:08

Tgt Ion:130 Resp: 204
Ion Ratio Lower Upper
130 100
95 87.1 87.0 130.6
132 29.6 75.0 112.6#
97 0.0 57.2 85.8#





#39

1,2-Dichloropropane

Concen: 7.356 ppbv

RT: 3.955 min Scan# 1195

Delta R.T. -0.353 min

Lab File: VL041757.D

Acq: 16 Dec 2024 16:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

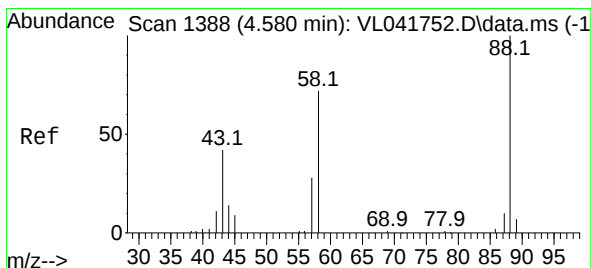
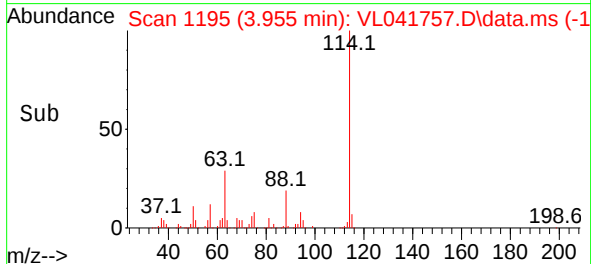
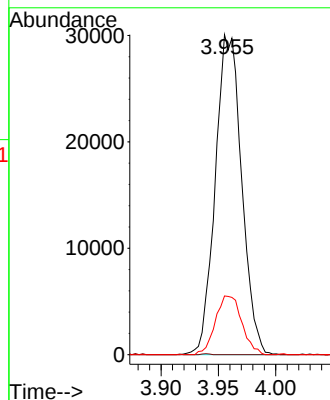
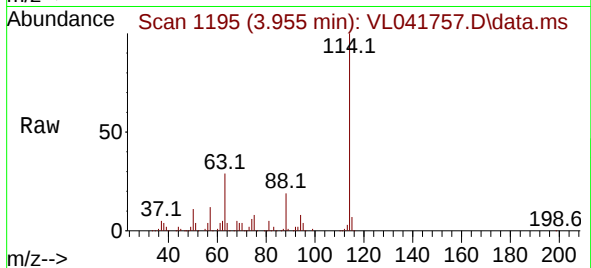
Tgt Ion: 63 Resp: 48113

Ion Ratio Lower Upper

63 100

41 0.0 75.3 112.9#

62 18.3 57.3 85.9#



#40

1,4-Dioxane

Concen: 0.008 ppbv

RT: 4.635 min Scan# 1405

Delta R.T. 0.055 min

Lab File: VL041757.D

Acq: 16 Dec 2024 16:08

Tgt Ion: 88 Resp: 26

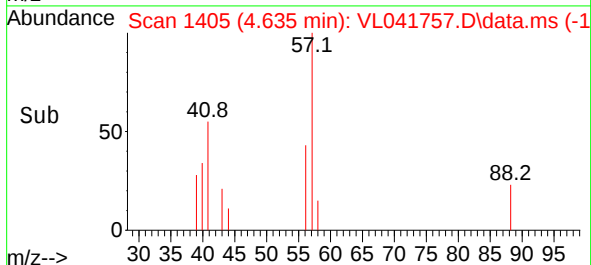
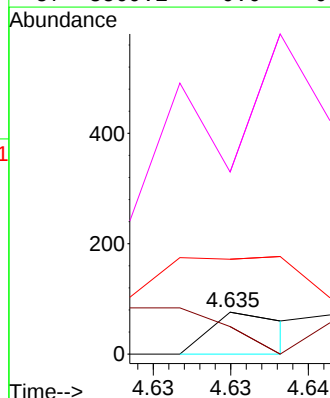
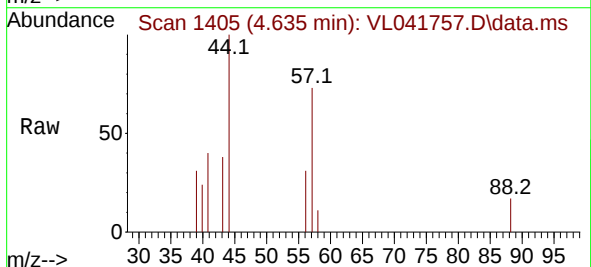
Ion Ratio Lower Upper

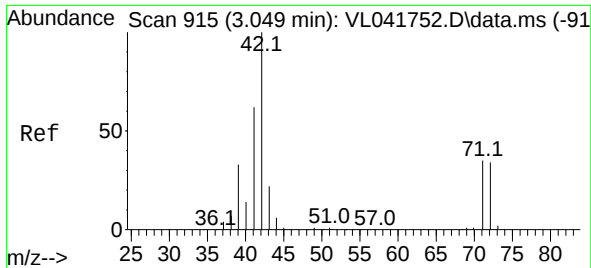
88 100

58 250.0 61.0 91.6#

43 1157.7 29.4 44.0#

57 3569.2 0.0 0.0#





#41

Tetrahydrofuran

Concen: 0.007 ppbv

RT: 3.049 min Scan# 915

Delta R.T. -0.000 min

Lab File: VL041757.D

Acq: 16 Dec 2024 16:08

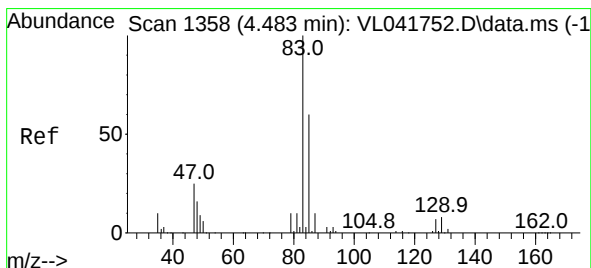
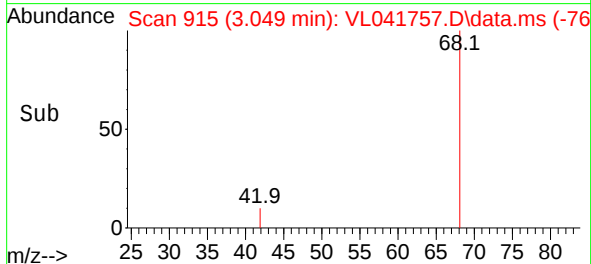
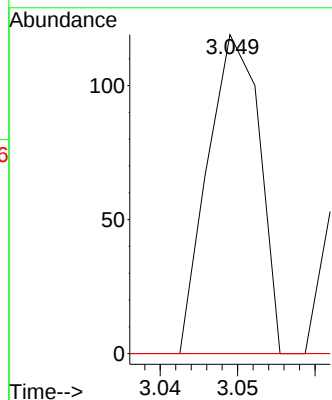
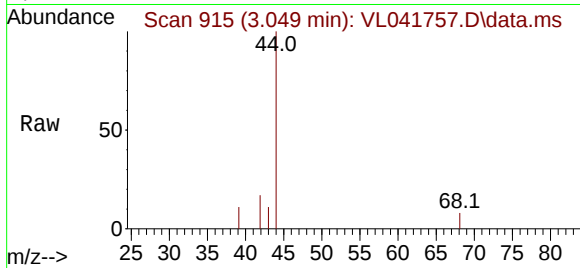
Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

Tgt Ion:	42	Resp:	55
Ion	Ratio	Lower	Upper
42	100		
72	0.0	29.1	43.7#
71	0.0	28.4	42.6#



#42

Bromodichloromethane

Concen: 0.013 ppbv

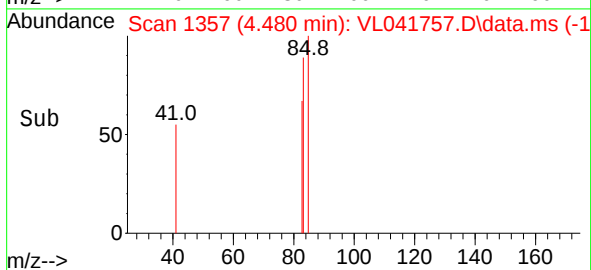
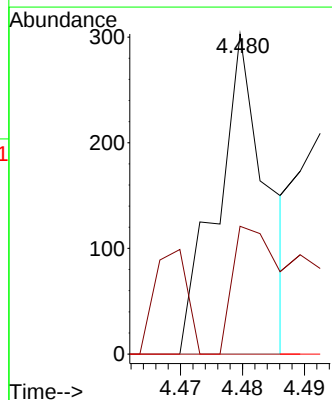
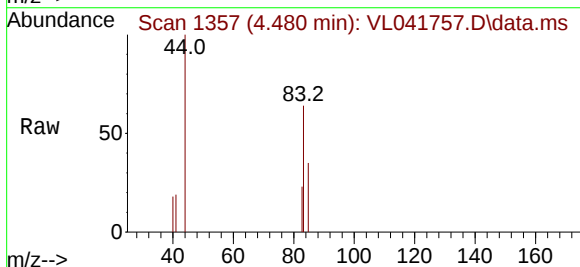
RT: 4.480 min Scan# 1357

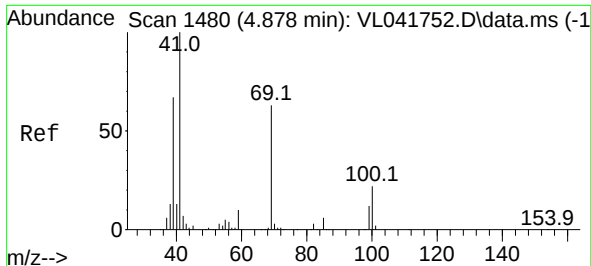
Delta R.T. -0.004 min

Lab File: VL041757.D

Acq: 16 Dec 2024 16:08

Tgt Ion:	83	Resp:	168
Ion	Ratio	Lower	Upper
83	100		
85	14.2	48.0	72.0#
127	0.0	5.8	8.8#





#43

Methyl Methacrylate

Concen: 0.006 ppbv

RT: 4.907 min Scan# 1489

Delta R.T. 0.029 min

Lab File: VL041757.D

Acq: 16 Dec 2024 16:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

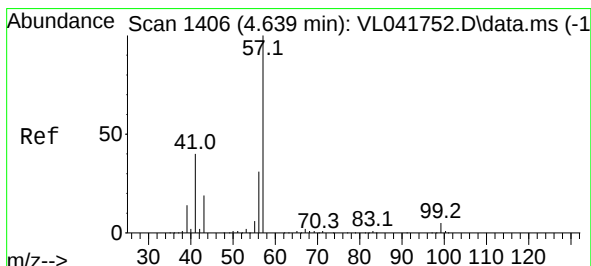
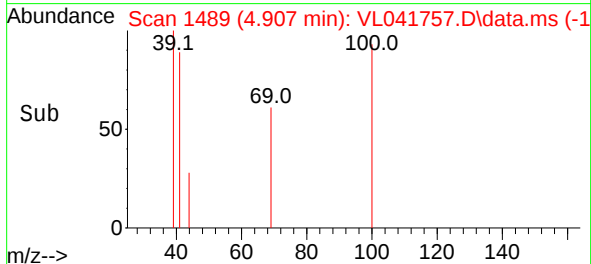
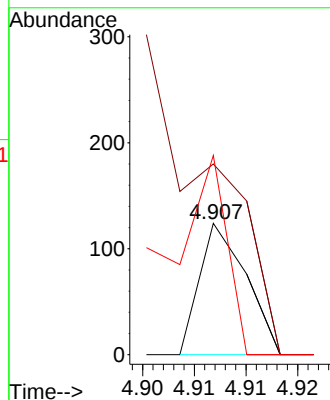
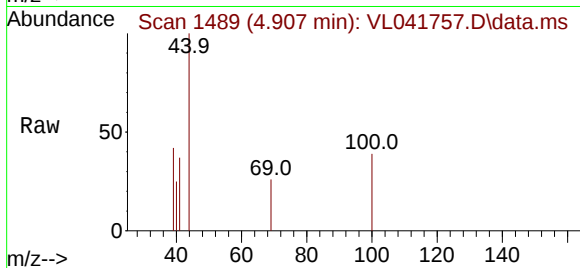
Tgt Ion: 69 Resp: 39

Ion Ratio Lower Upper

69 100

41 1259.0 130.3 195.5#

100 248.7 28.3 42.5#



#44

2,2,4-Trimethylpentane

Concen: 0.014 ppbv

RT: 4.638 min Scan# 1406

Delta R.T. -0.000 min

Lab File: VL041757.D

Acq: 16 Dec 2024 16:08

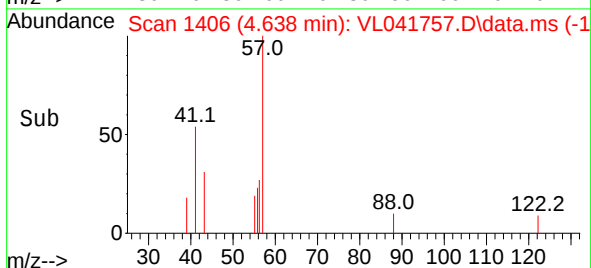
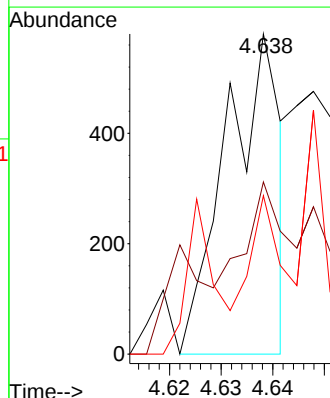
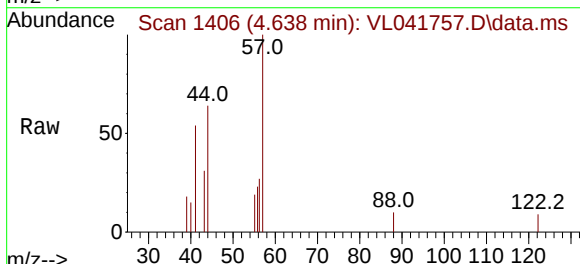
Tgt Ion: 57 Resp: 425

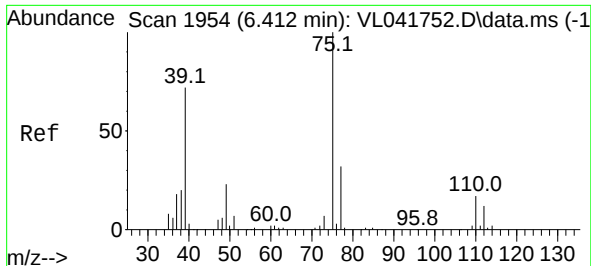
Ion Ratio Lower Upper

57 100

41 117.9 30.7 46.1#

56 0.0 25.4 38.0#





#45

t-1,3-Dichloropropene

Concen: 0.010 ppbv

RT: 6.418 min Scan# 1

Delta R.T. 0.006 min

Lab File: VL041757.D

Acq: 16 Dec 2024 16:08

Instrument :

MSVOA_1

ClientSampleId :

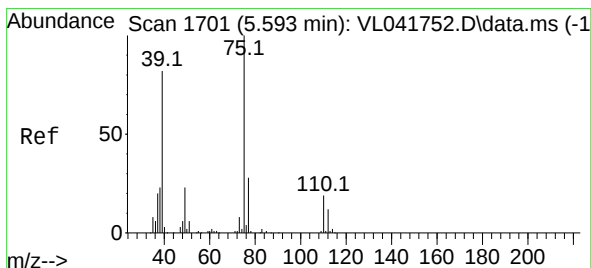
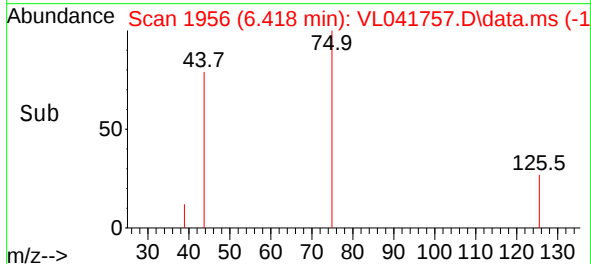
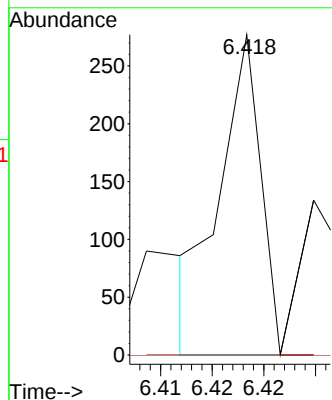
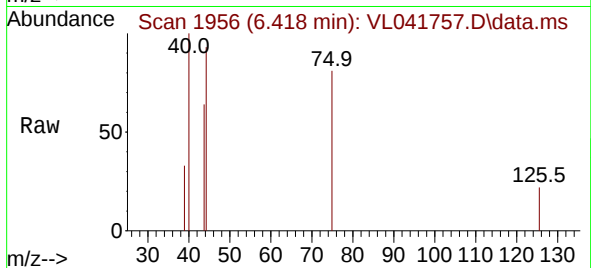
VSTDIC0.03

Tgt Ion: 75 Resp: 74

Ion Ratio Lower Upper

75 100

77 0.0 25.9 38.9#



#46

cis-1,3-Dichloropropene

Concen: 0.007 ppbv

RT: 5.599 min Scan# 1703

Delta R.T. 0.006 min

Lab File: VL041757.D

Acq: 16 Dec 2024 16:08

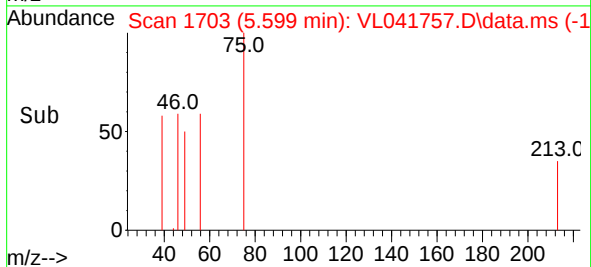
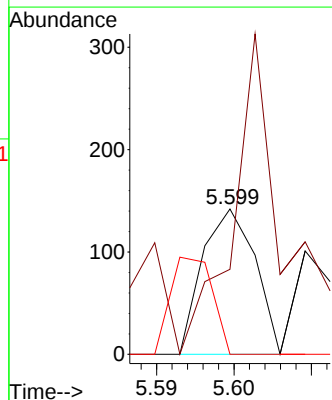
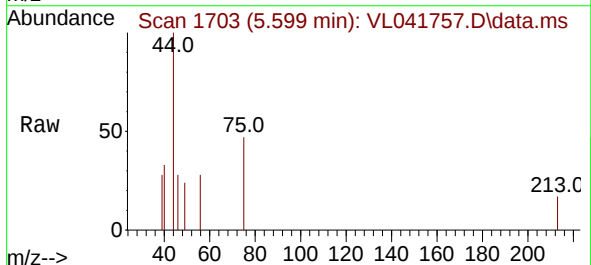
Tgt Ion: 75 Resp: 67

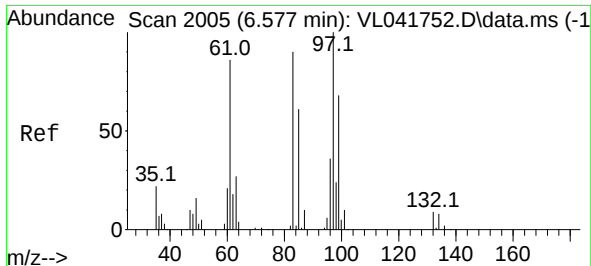
Ion Ratio Lower Upper

75 100

39 58.5 65.2 97.8#

77 0.0 22.0 33.0#





#47

1,1,2-Trichloroethane

Concen: 0.009 ppbv

RT: 6.580 min Scan# 2005

Delta R.T. 0.003 min

Lab File: VL041757.D

Acq: 16 Dec 2024 16:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

Tgt Ion: 97 Resp: 59

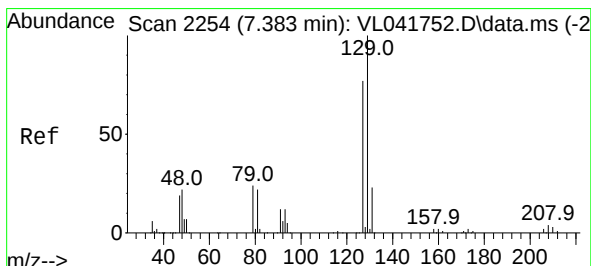
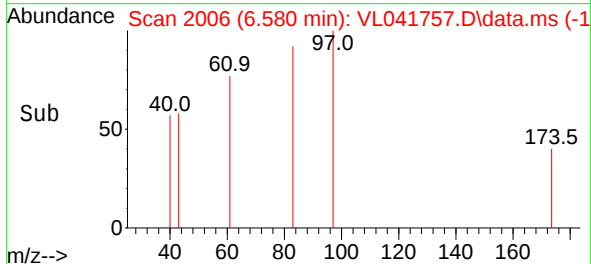
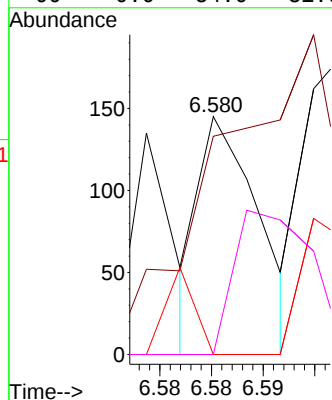
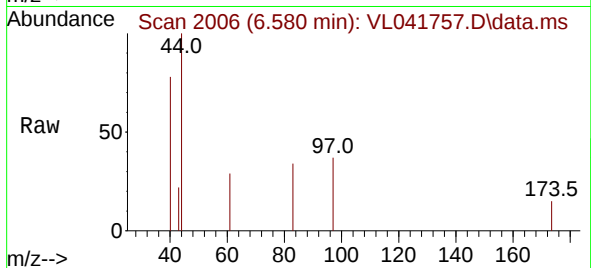
Ion Ratio Lower Upper

97 100

83 86.3 72.3 108.5

85 0.0 48.5 72.7#

99 0.0 54.0 81.0#



#48

Dibromochloromethane

Concen: 0.013 ppbv

RT: 7.383 min Scan# 2254

Delta R.T. -0.000 min

Lab File: VL041757.D

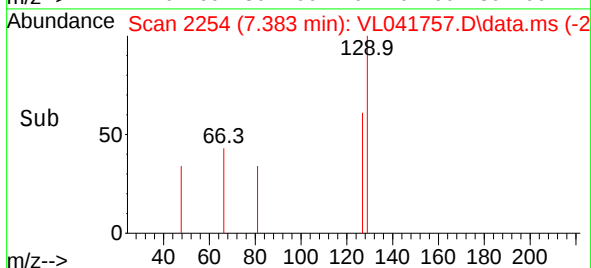
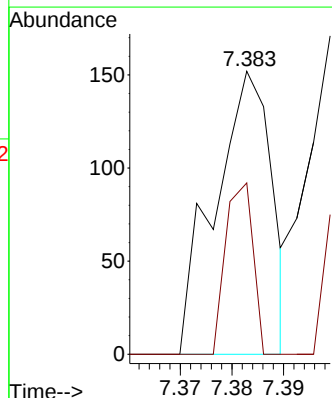
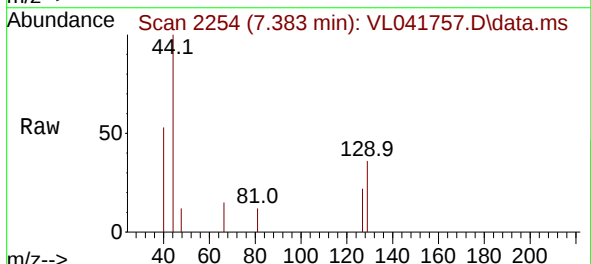
Acq: 16 Dec 2024 16:08

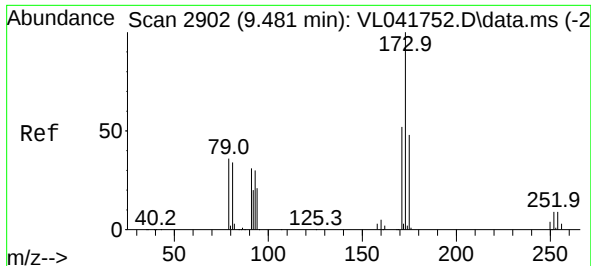
Tgt Ion:129 Resp: 117

Ion Ratio Lower Upper

129 100

127 64.1 38.8 116.3





#49

Bromoform

Concen: 0.015 ppbv

RT: 9.487 min Scan# 20

Delta R.T. 0.006 min

Lab File: VL041757.D

Acq: 16 Dec 2024 16:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.03

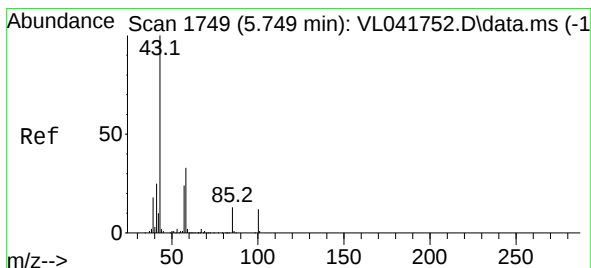
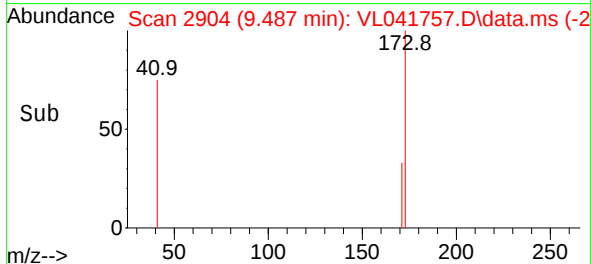
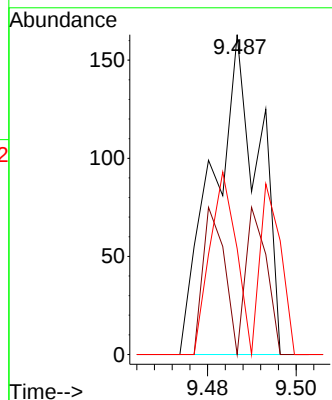
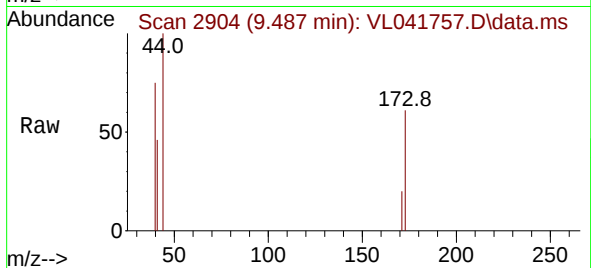
Tgt Ion:173 Resp: 118

Ion Ratio Lower Upper

173 100

175 42.4 38.2 57.2

171 56.8 41.1 61.7



#50

4-Methyl-2-Pentanone

Concen: 0.018 ppbv

RT: 5.777 min Scan# 1758

Delta R.T. 0.029 min

Lab File: VL041757.D

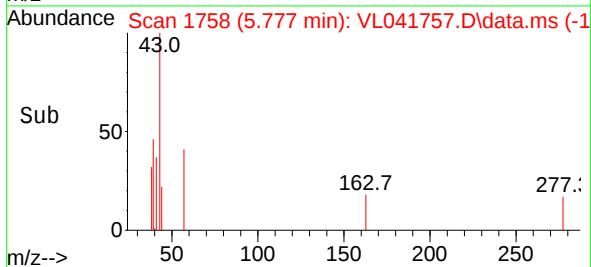
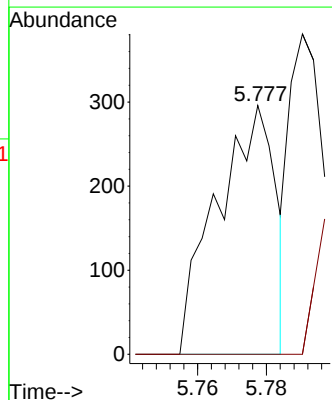
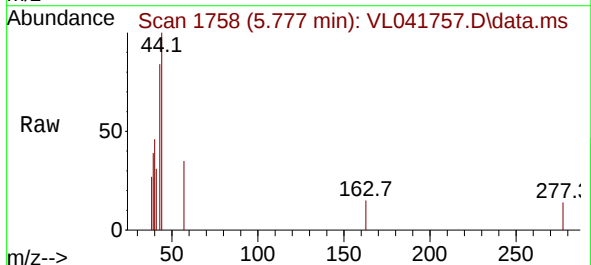
Acq: 16 Dec 2024 16:08

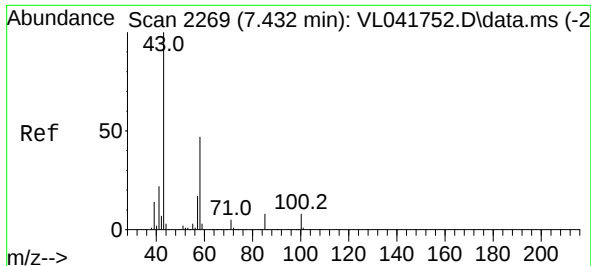
Tgt Ion: 43 Resp: 350

Ion Ratio Lower Upper

43 100

58 0.0 26.8 40.2#

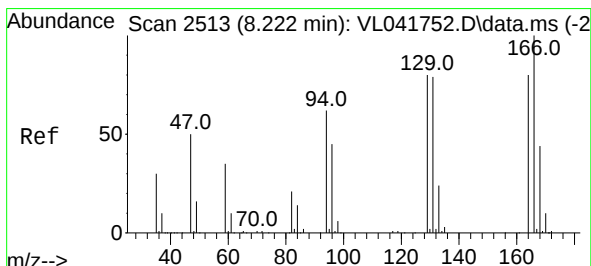
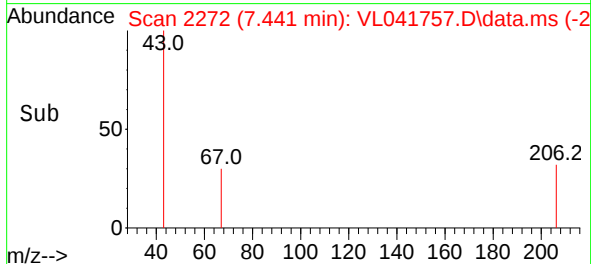
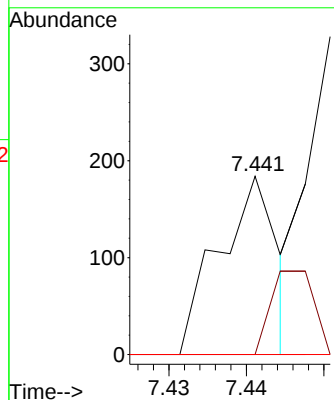
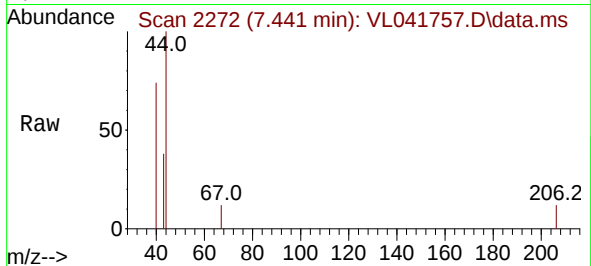




#51
2-Hexanone
Concen: 0.006 ppbv
RT: 7.441 min Scan# 21
Delta R.T. 0.009 min
Lab File: VL041757.D
Acq: 16 Dec 2024 16:08

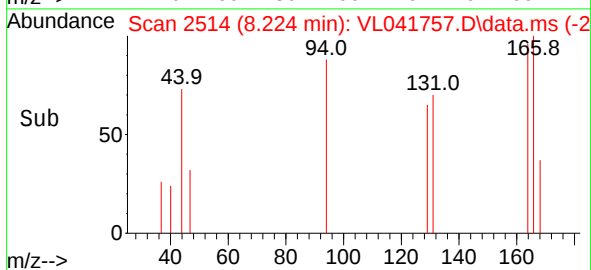
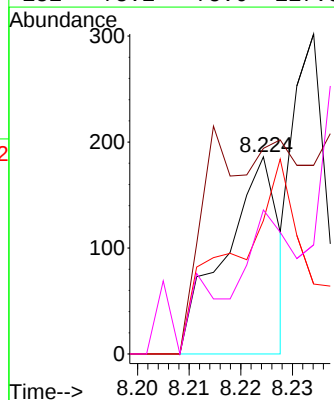
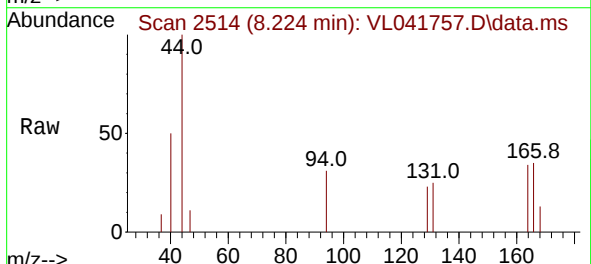
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

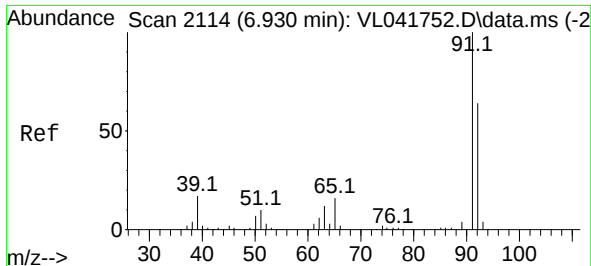
Tgt Ion: 43 Resp: 97
Ion Ratio Lower Upper
43 100
58 0.0 36.6 55.0#
98 0.0 0.1 0.1#



#52
Tetrachloroethene
Concen: 0.020 ppbv
RT: 8.224 min Scan# 2514
Delta R.T. 0.003 min
Lab File: VL041757.D
Acq: 16 Dec 2024 16:08

Tgt Ion: 164 Resp: 135
Ion Ratio Lower Upper
164 100
166 104.3 99.8 149.6
129 67.7 79.6 119.4#
131 73.1 78.6 117.8#





#53

Toluene

Concen: 0.015 ppbv

RT: 6.933 min Scan# 2114

Delta R.T. 0.003 min

Lab File: VL041757.D

Acq: 16 Dec 2024 16:08

Instrument :

MSVOA_L

ClientSampleId :

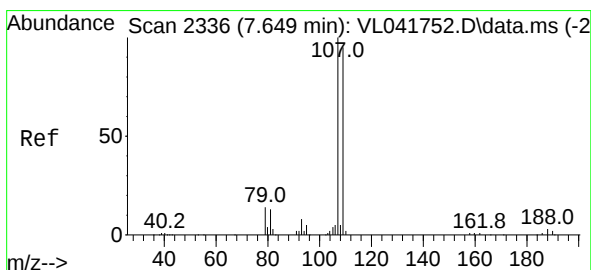
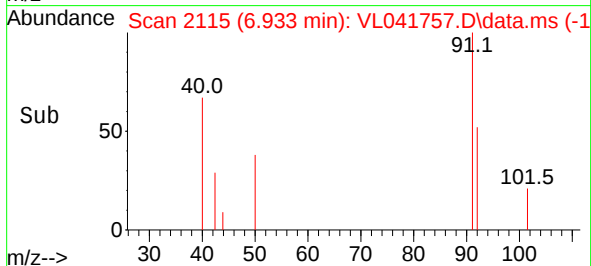
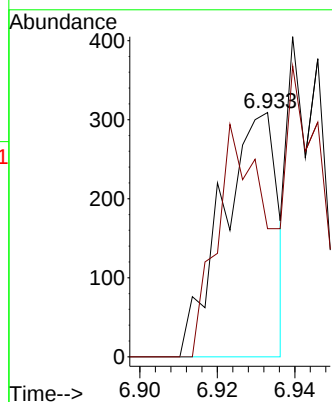
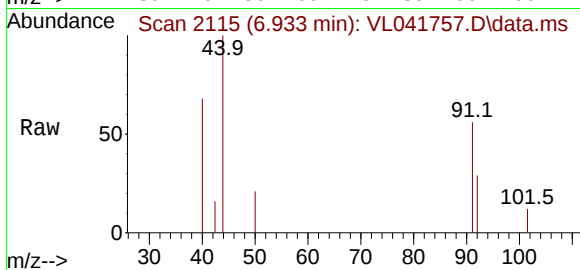
VSTDICC0.03

Tgt Ion: 91 Resp: 304

Ion Ratio Lower Upper

91 100

92 0.0 47.9 71.9#



#54

1,2-Dibromoethane

Concen: 0.023 ppbv

RT: 7.661 min Scan# 2340

Delta R.T. 0.012 min

Lab File: VL041757.D

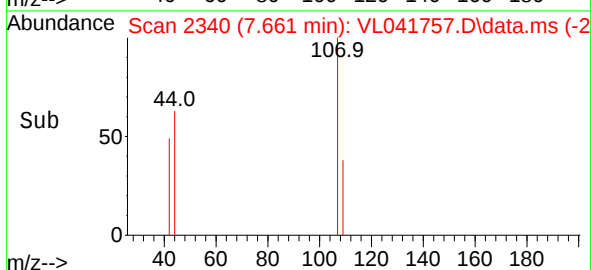
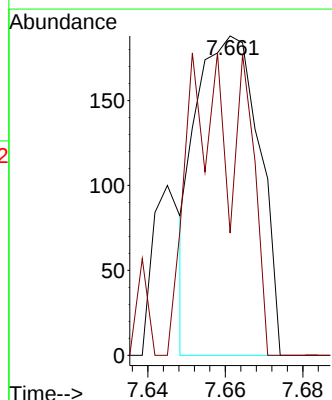
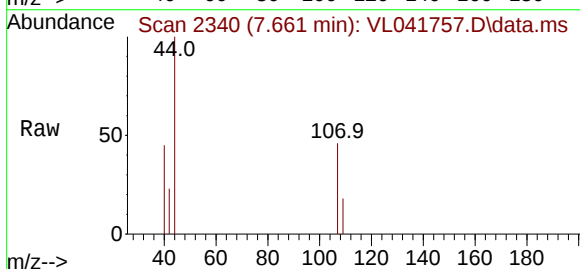
Acq: 16 Dec 2024 16:08

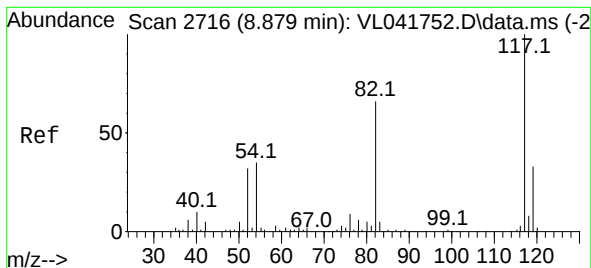
Tgt Ion: 107 Resp: 213

Ion Ratio Lower Upper

107 100

109 38.3 75.9 113.9#





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.885 min Scan# 21

Delta R.T. 0.006 min

Lab File: VL041757.D

Acq: 16 Dec 2024 16:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

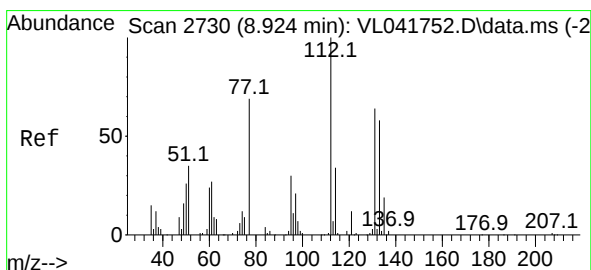
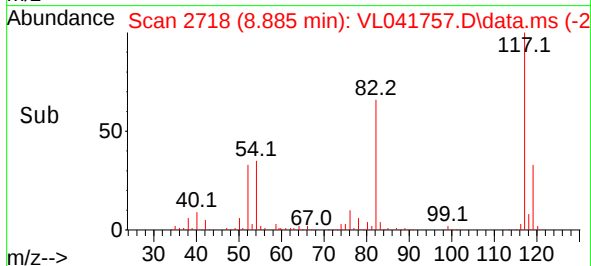
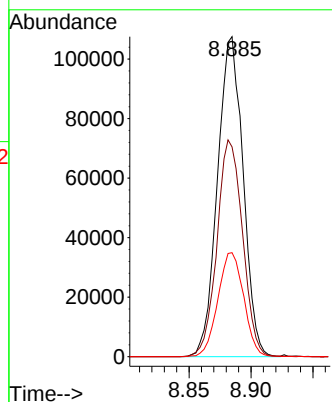
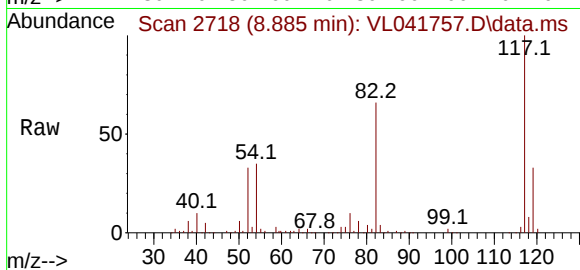
Tgt Ion:117 Resp: 154998

Ion Ratio Lower Upper

117 100

82 67.6 53.8 80.8

119 32.9 26.7 40.1



#56

1,1,1,2-Tetrachloroethane

Concen: 0.010 ppbv

RT: 8.930 min Scan# 2732

Delta R.T. 0.006 min

Lab File: VL041757.D

Acq: 16 Dec 2024 16:08

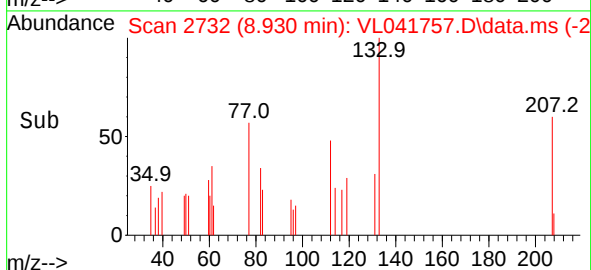
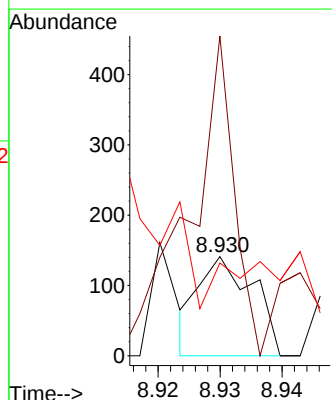
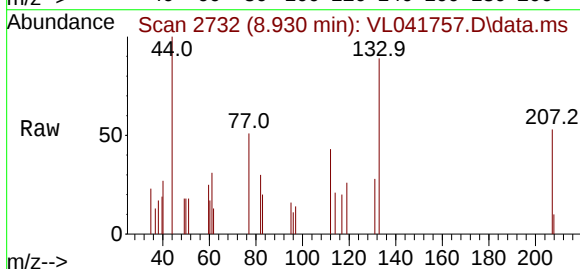
Tgt Ion:131 Resp: 86

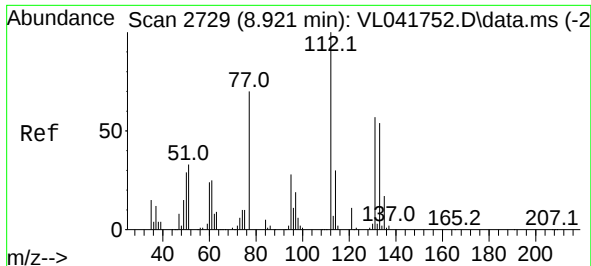
Ion Ratio Lower Upper

131 100

133 350.0 76.8 115.2#

119 0.0 49.0 73.6#





#57

Chlorobenzene

Concen: 0.007 ppbv

RT: 8.933 min Scan# 21

Delta R.T. 0.012 min

Lab File: VL041757.D

Acq: 16 Dec 2024 16:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

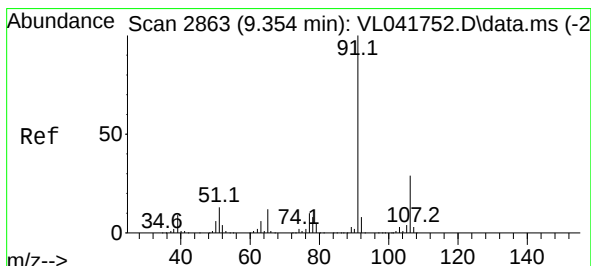
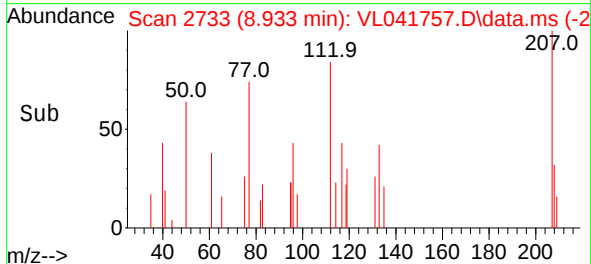
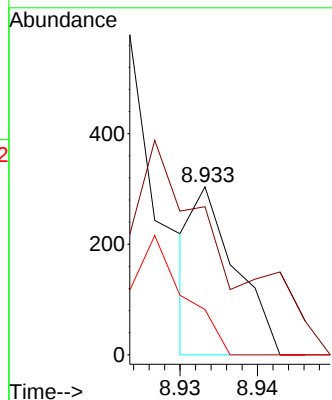
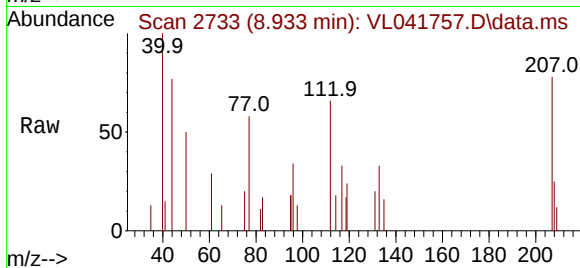
Tgt Ion:112 Resp: 114

Ion Ratio Lower Upper

112 100

77 38.8 57.4 86.0#

114 27.0 27.4 33.4#



#58

Ethyl Benzene

Concen: 0.018 ppbv

RT: 9.357 min Scan# 2864

Delta R.T. 0.003 min

Lab File: VL041757.D

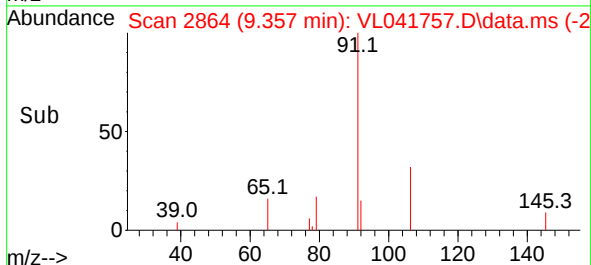
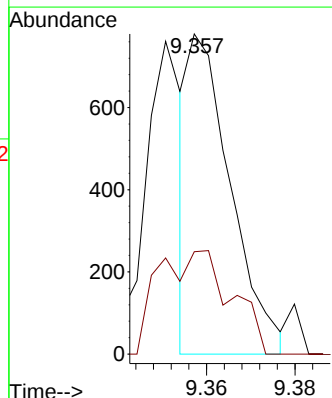
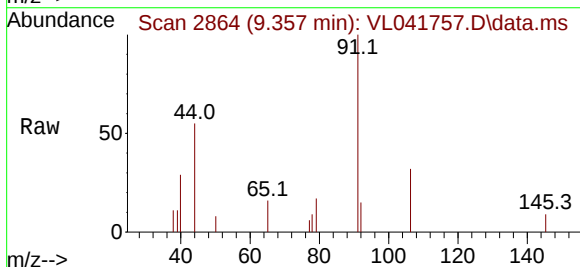
Acq: 16 Dec 2024 16:08

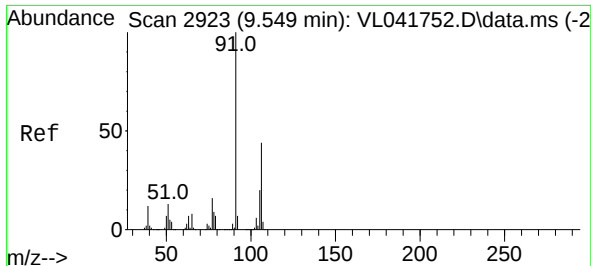
Tgt Ion: 91 Resp: 516

Ion Ratio Lower Upper

91 100

106 34.3 23.5 35.3





#59

m/p-Xylene

Concen: 0.022 ppbv

RT: 9.551 min Scan# 2924

Delta R.T. 0.003 min

Lab File: VL041757.D

Acq: 16 Dec 2024 16:08

Instrument :

MSVOA_L

ClientSampleId :

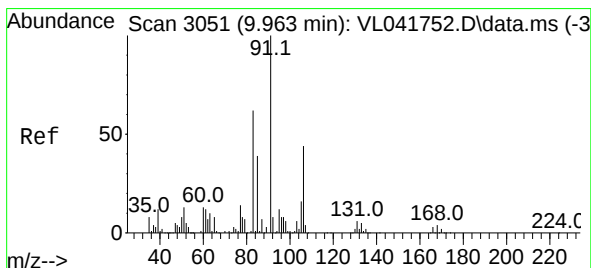
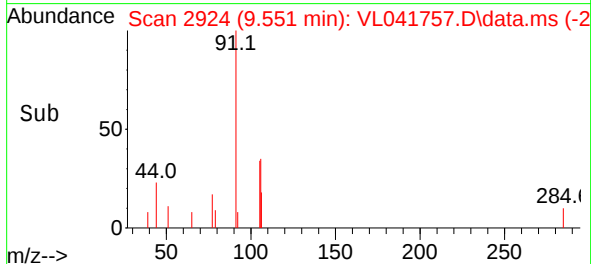
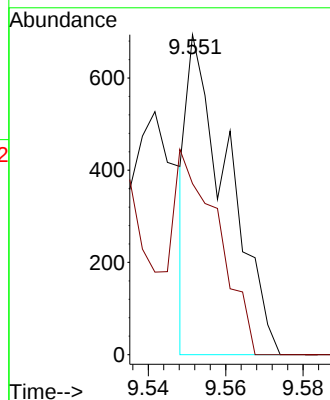
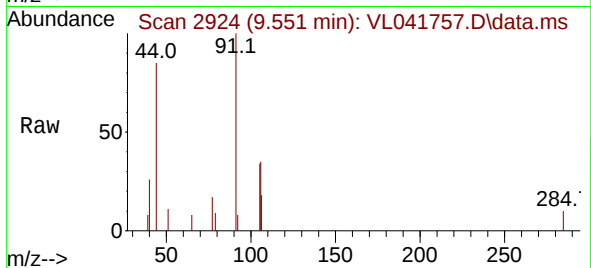
VSTDIC0.03

Tgt Ion: 91 Resp: 500

Ion Ratio Lower Upper

91 100

106 135.6 0.0 0.0#



#60

o-Xylene

Concen: 0.035 ppbv

RT: 9.966 min Scan# 3052

Delta R.T. 0.003 min

Lab File: VL041757.D

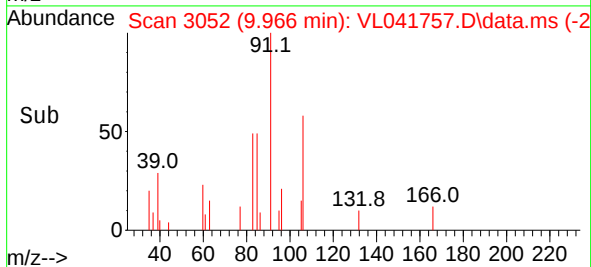
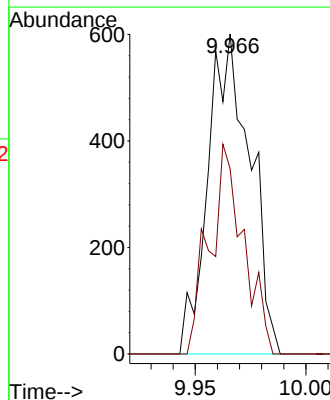
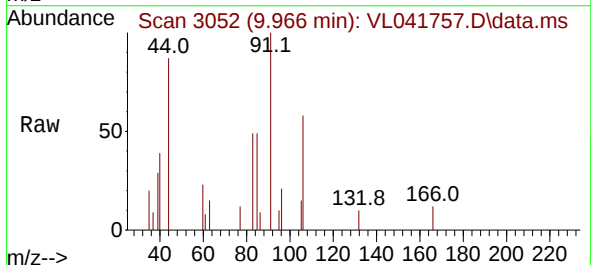
Acq: 16 Dec 2024 16:08

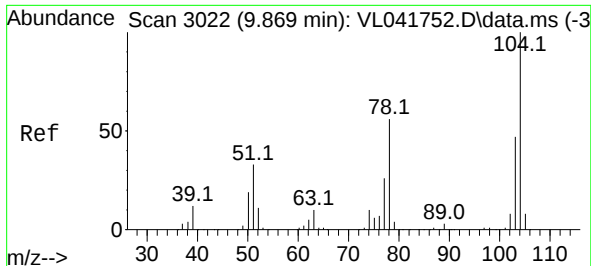
Tgt Ion: 91 Resp: 796

Ion Ratio Lower Upper

91 100

106 52.9 21.1 63.4

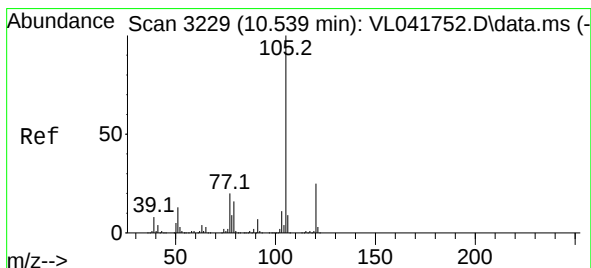
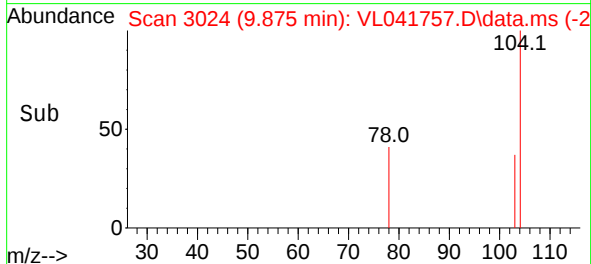
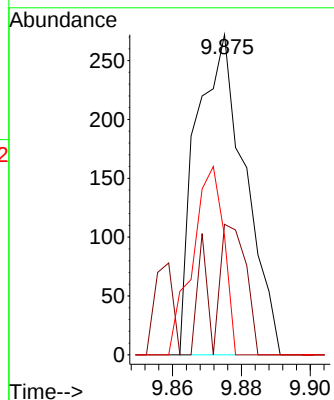
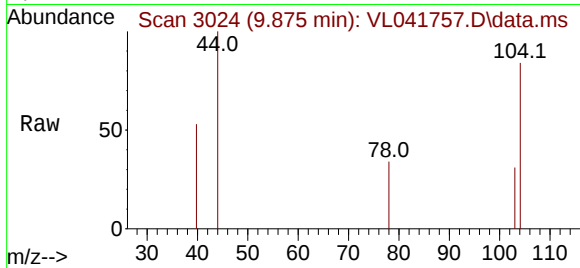




#61
Styrene
Concen: 0.027 ppbv
RT: 9.875 min Scan# 3022
Delta R.T. 0.006 min
Lab File: VL041757.D
Acq: 16 Dec 2024 16:08

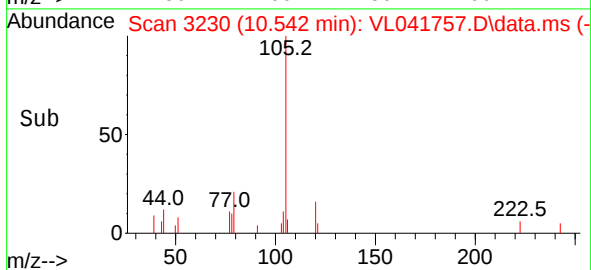
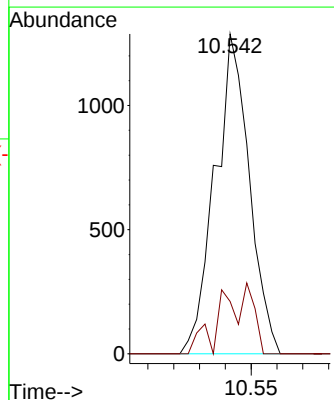
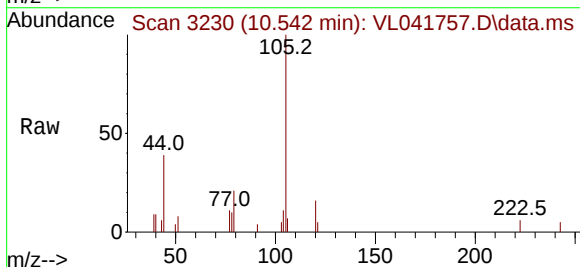
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

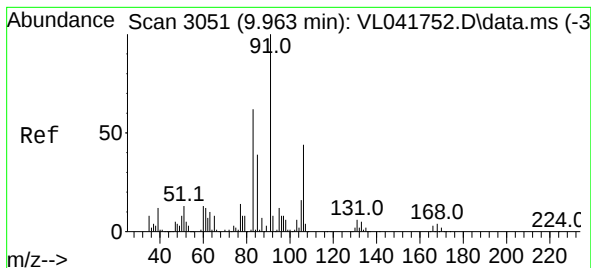
Tgt Ion:104 Resp: 267
Ion Ratio Lower Upper
104 100
78 28.8 43.8 65.6#
103 37.8 37.8 56.6



#62
Isopropylbenzene
Concen: 0.035 ppbv
RT: 10.542 min Scan# 3230
Delta R.T. 0.003 min
Lab File: VL041757.D
Acq: 16 Dec 2024 16:08

Tgt Ion:105 Resp: 1186
Ion Ratio Lower Upper
105 100
120 20.7 19.8 29.8





#63

1,1,2,2-Tetrachloroethane

Concen: 0.032 ppbv

RT: 9.969 min Scan# 3051

Delta R.T. 0.006 min

Lab File: VL041757.D

Acq: 16 Dec 2024 16:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.03

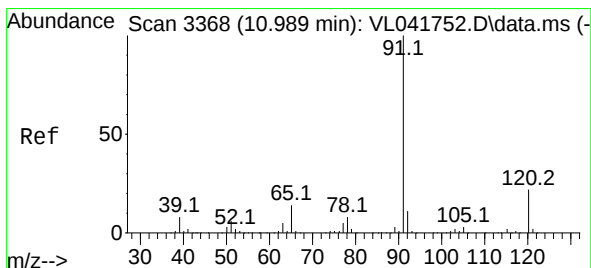
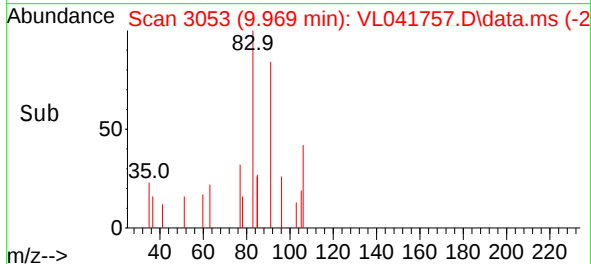
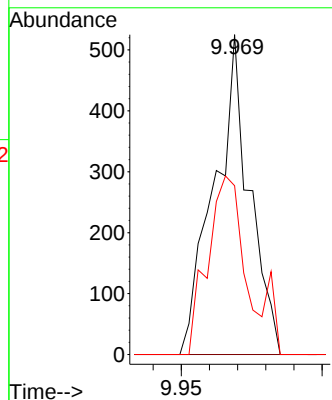
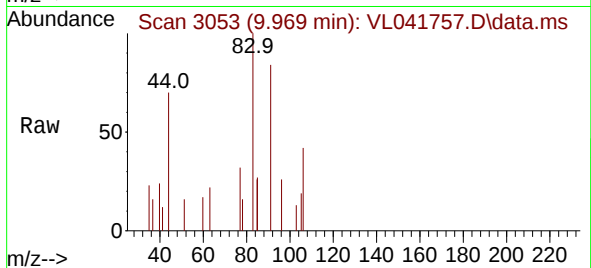
Tgt Ion: 83 Resp: 455

Ion Ratio Lower Upper

83 100

131 0.0 4.9 14.7#

85 63.5 32.0 96.2



#64

n-propylbenzene

Concen: 0.015 ppbv

RT: 10.998 min Scan# 3371

Delta R.T. 0.009 min

Lab File: VL041757.D

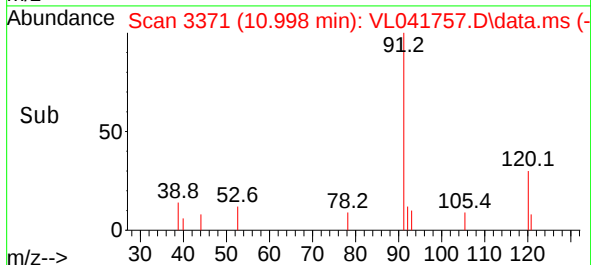
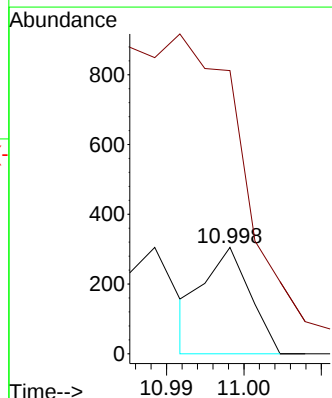
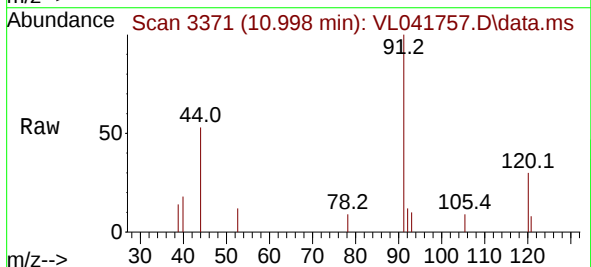
Acq: 16 Dec 2024 16:08

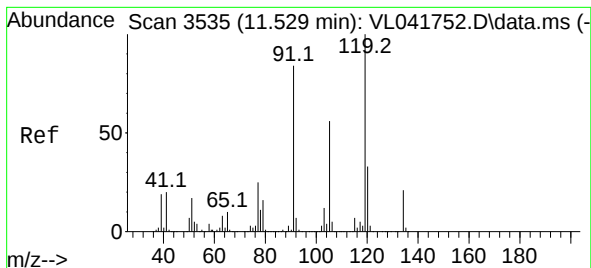
Tgt Ion:120 Resp: 126

Ion Ratio Lower Upper

120 100

91 0.0 387.3 580.9#





#65

tert-Butylbenzene

Concen: 0.015 ppbv

RT: 11.535 min Scan# 3537

Delta R.T. 0.006 min

Lab File: VL041757.D

Acq: 16 Dec 2024 16:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

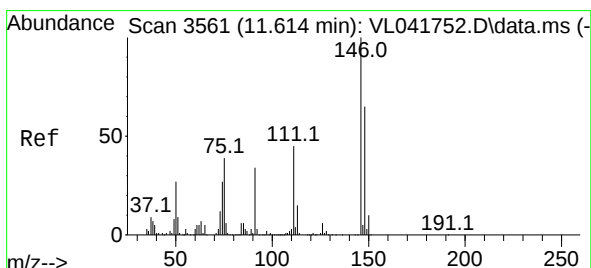
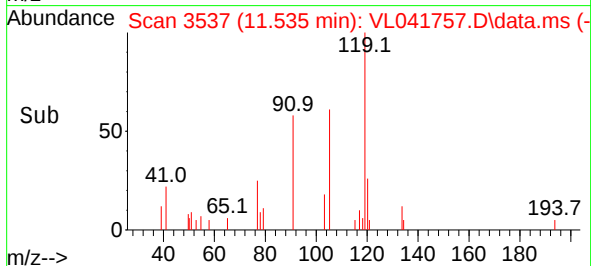
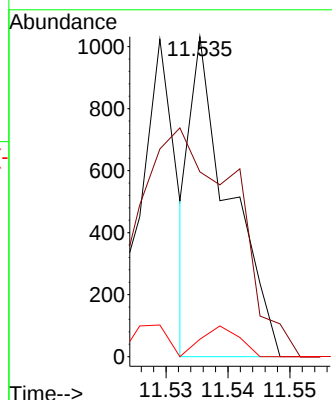
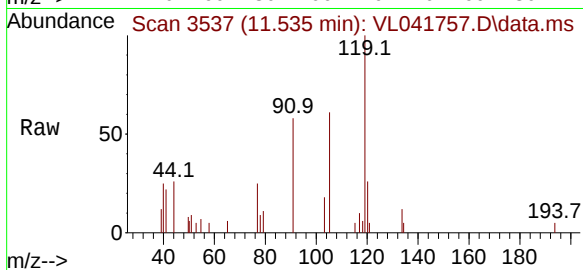
Tgt Ion:119 Resp: 444

Ion Ratio Lower Upper

119 100

91 188.3 67.0 100.4#

134 0.0 16.5 24.7#



#66

Benzyl Chloride

Concen: 0.016 ppbv

RT: 11.620 min Scan# 3563

Delta R.T. 0.006 min

Lab File: VL041757.D

Acq: 16 Dec 2024 16:08

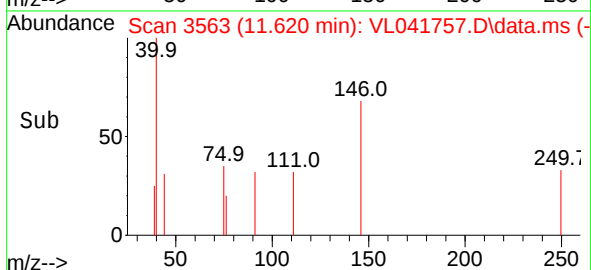
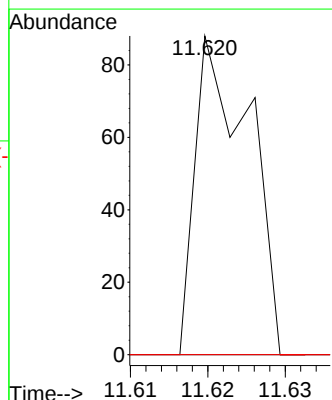
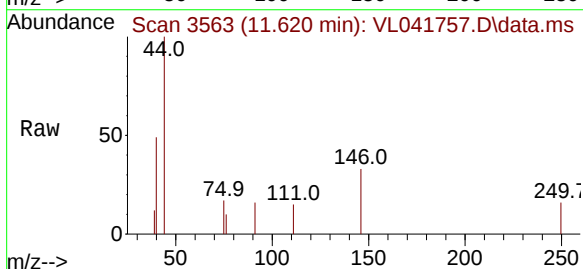
Tgt Ion: 91 Resp: 43

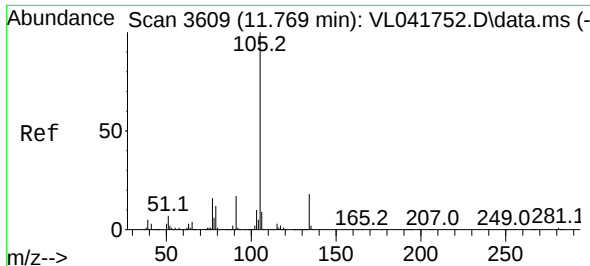
Ion Ratio Lower Upper

91 100

126 0.0 13.9 20.9#

128 0.0 4.4 6.6#

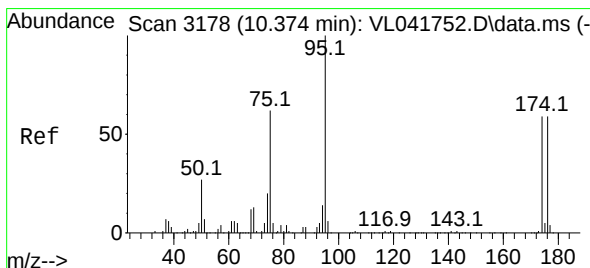
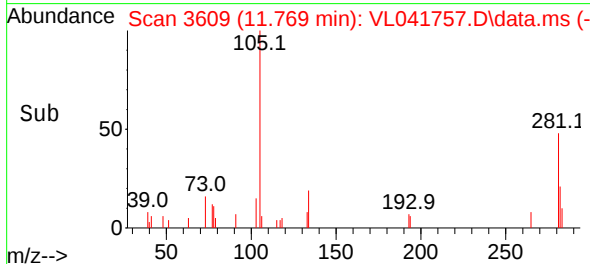
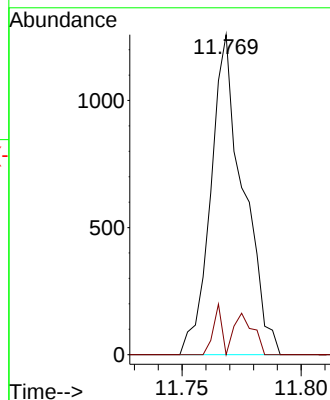
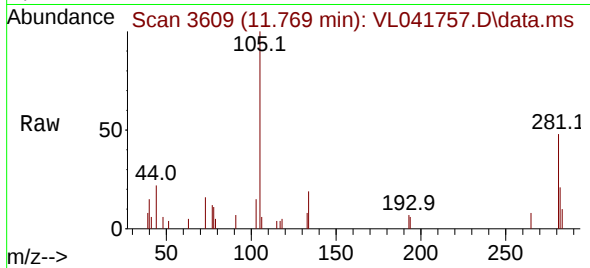




#67
 sec-Butylbenzene
 Concen: 0.028 ppbv
 RT: 11.769 min Scan# 3179
 Delta R.T. -0.000 min
 Lab File: VL041757.D
 Acq: 16 Dec 2024 16:08

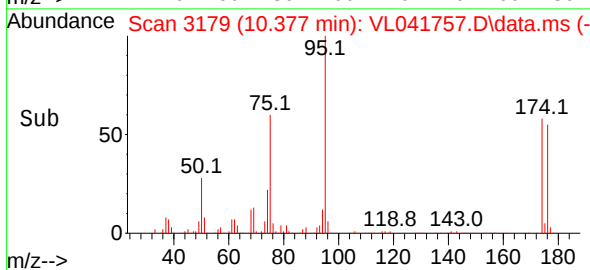
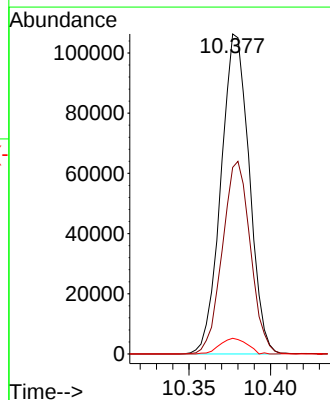
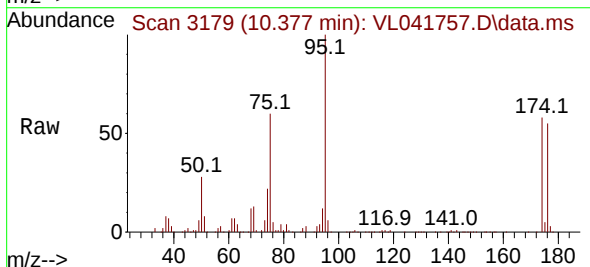
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

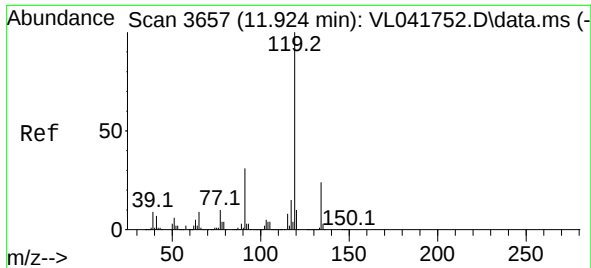
Tgt Ion:105 Resp: 1194
 Ion Ratio Lower Upper
 105 100
 134 11.9 14.5 21.7#



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.923 ppbv
 RT: 10.377 min Scan# 3179
 Delta R.T. 0.003 min
 Lab File: VL041757.D
 Acq: 16 Dec 2024 16:08

Tgt Ion: 95 Resp: 128167
 Ion Ratio Lower Upper
 95 100
 174 59.8 47.6 71.4
 175 4.7 3.7 5.5





#69

p-Isopropyltoluene

Concen: 0.022 ppbv

RT: 11.927 min Scan# 3

Delta R.T. 0.003 min

Lab File: VL041757.D

Acq: 16 Dec 2024 16:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

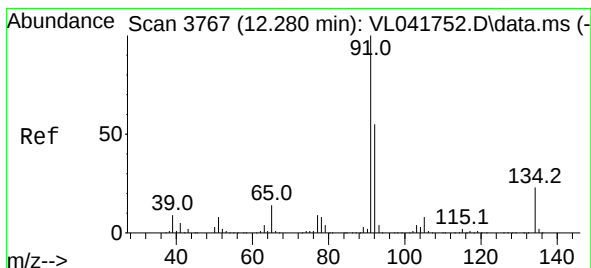
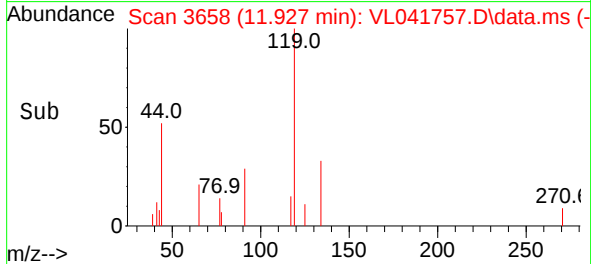
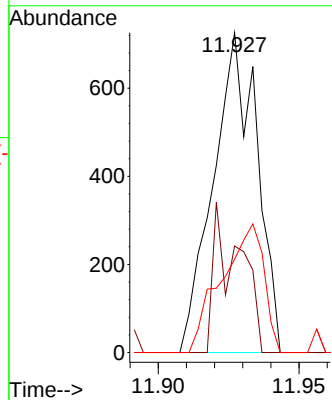
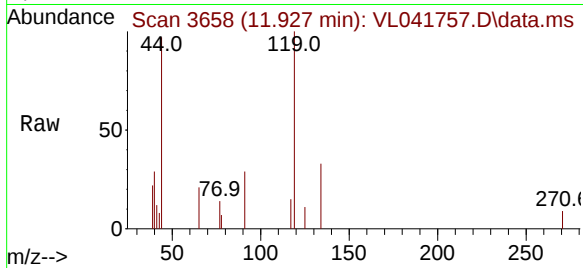
Tgt Ion:119 Resp: 781

Ion Ratio Lower Upper

119 100

134 28.0 19.6 29.4

91 40.3 24.4 36.6#



#70

n-Butylbenzene

Concen: 0.010 ppbv

RT: 12.290 min Scan# 3770

Delta R.T. 0.009 min

Lab File: VL041757.D

Acq: 16 Dec 2024 16:08

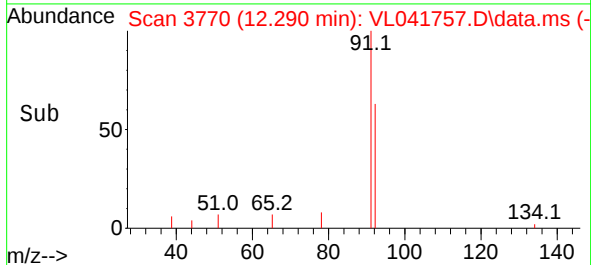
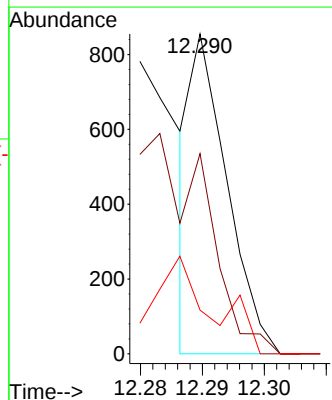
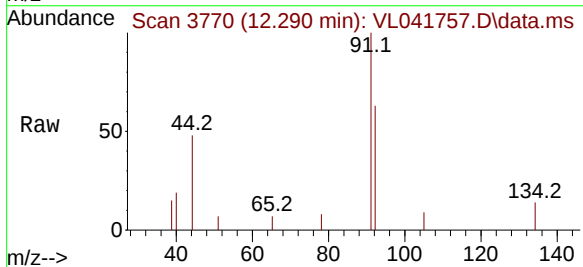
Tgt Ion: 91 Resp: 344

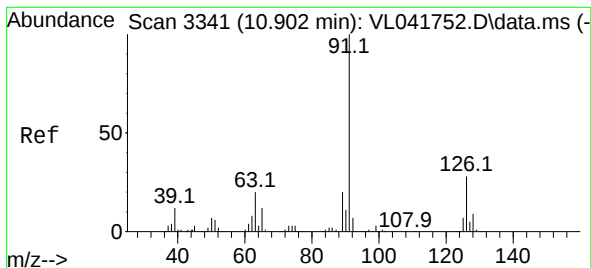
Ion Ratio Lower Upper

91 100

92 159.0 43.2 64.8#

134 61.0 18.2 27.4#





#71

2-Chlorotoluene

Concen: 0.017 ppbv

RT: 10.908 min Scan# 3412

Delta R.T. 0.006 min

Lab File: VL041757.D

Acq: 16 Dec 2024 16:08

Instrument :

MSVOA_L

ClientSampleId :

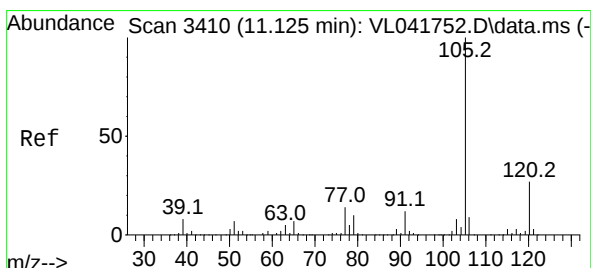
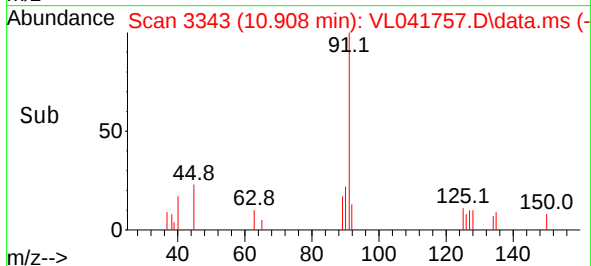
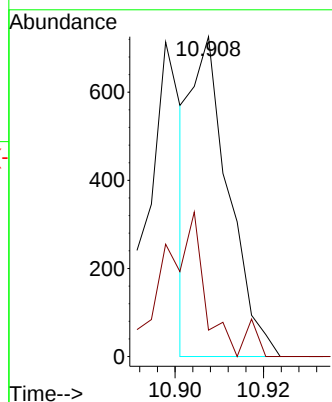
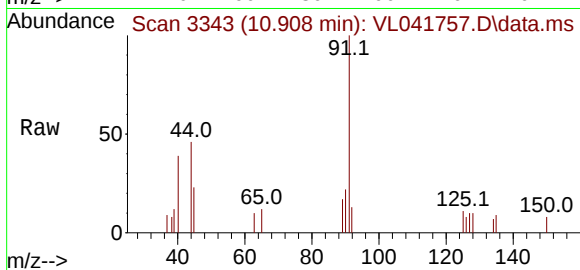
VSTDIC0.03

Tgt Ion: 91 Resp: 428

Ion Ratio Lower Upper

91 100

126 51.9 11.6 46.4#



#72

4-Ethyltoluene

Concen: 0.016 ppbv

RT: 11.131 min Scan# 3412

Delta R.T. 0.006 min

Lab File: VL041757.D

Acq: 16 Dec 2024 16:08

Tgt Ion:105 Resp: 424

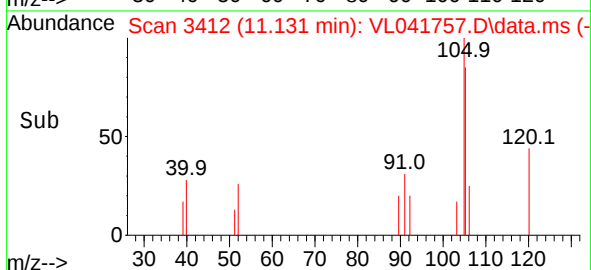
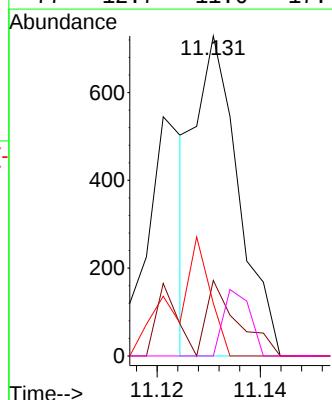
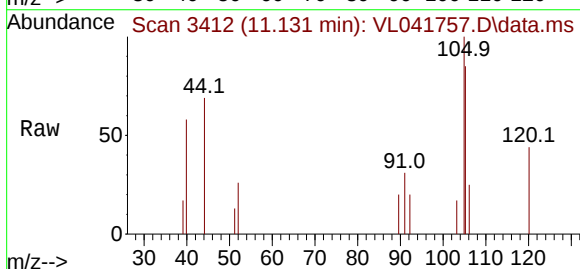
Ion Ratio Lower Upper

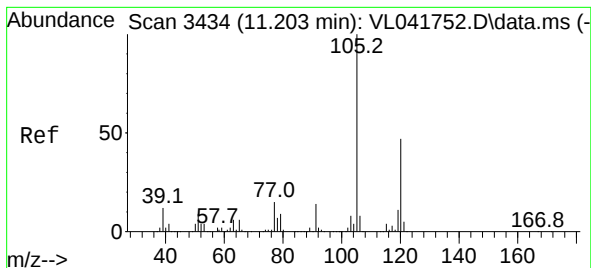
105 100

120 17.0 23.3 34.9#

91 34.7 10.9 16.3#

77 12.7 11.6 17.4





#73

1,3,5-Trimethylbenzene

Concen: 0.025 ppbv

RT: 11.202 min Scan# 3434

Delta R.T. -0.000 min

Lab File: VL041757.D

Acq: 16 Dec 2024 16:08

Instrument :

MSVOA_L

ClientSampleId :

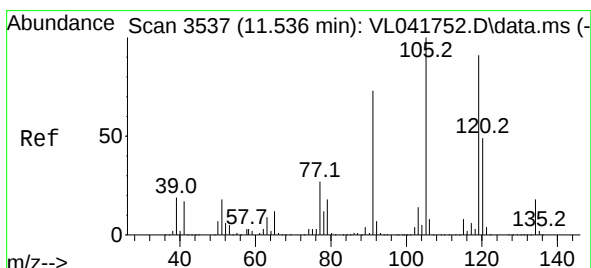
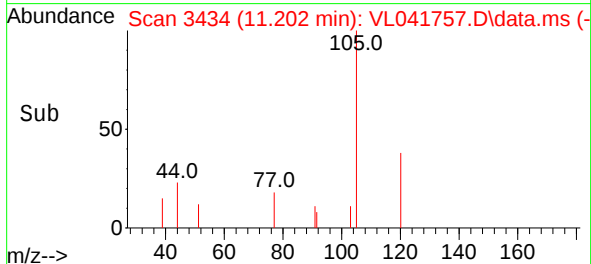
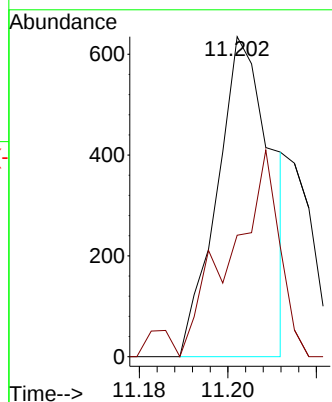
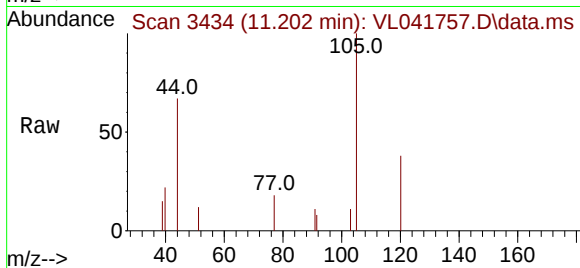
VSTDIC0.03

Tgt Ion:105 Resp: 540

Ion Ratio Lower Upper

105 100

120 38.0 37.4 56.2



#74

1,2,4-Trimethylbenzene

Concen: 0.031 ppbv

RT: 11.542 min Scan# 3539

Delta R.T. 0.006 min

Lab File: VL041757.D

Acq: 16 Dec 2024 16:08

Tgt Ion:105 Resp: 724

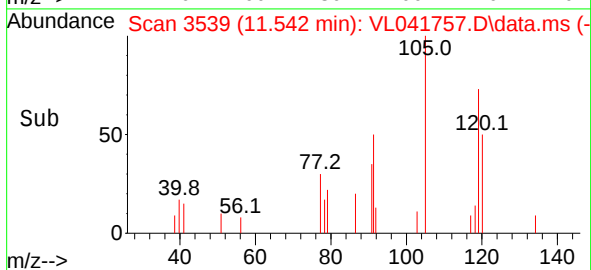
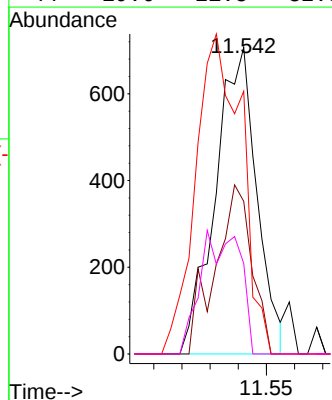
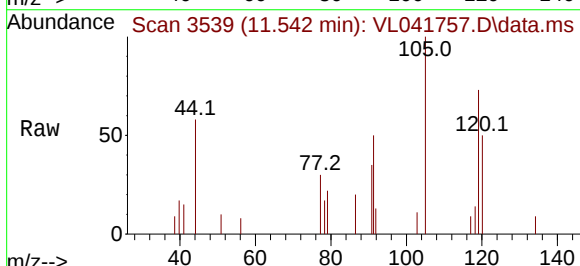
Ion Ratio Lower Upper

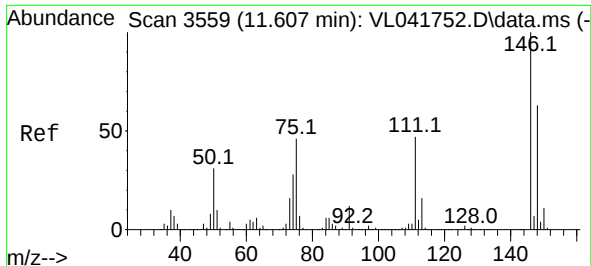
105 100

120 49.8 39.0 58.4

91 85.7 58.1 87.1

77 29.6 21.8 32.8





#75

1,3-Dichlorobenzene

Concen: 0.041 ppbv

RT: 11.610 min Scan# 3560

Delta R.T. 0.003 min

Lab File: VL041757.D

Acq: 16 Dec 2024 16:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.03

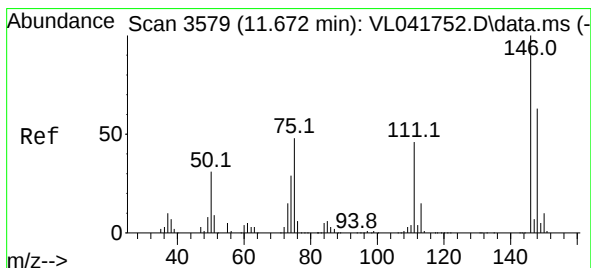
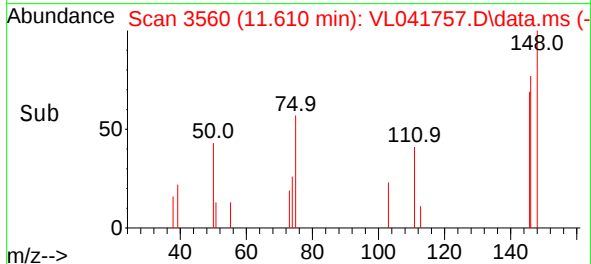
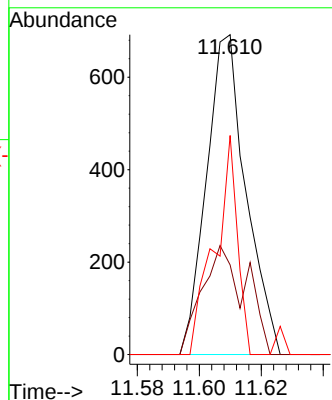
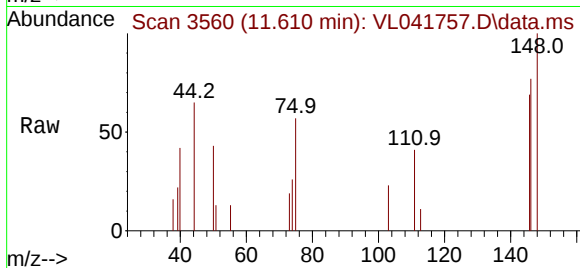
Tgt Ion:146 Resp: 613

Ion Ratio Lower Upper

146 100

111 37.8 23.4 70.3

148 41.4 31.6 95.0



#76

1,4-Dichlorobenzene

Concen: 0.037 ppbv

RT: 11.675 min Scan# 3580

Delta R.T. 0.003 min

Lab File: VL041757.D

Acq: 16 Dec 2024 16:08

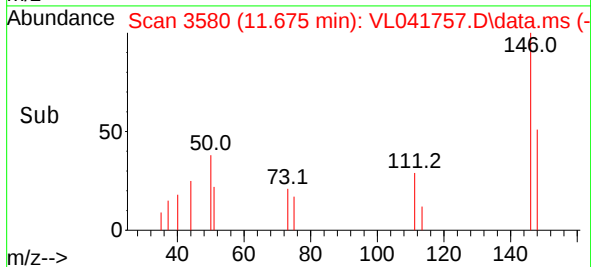
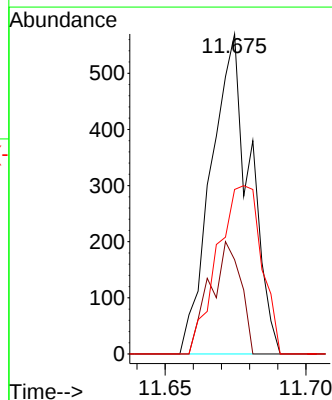
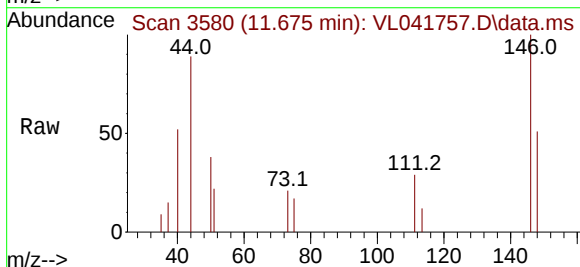
Tgt Ion:146 Resp: 547

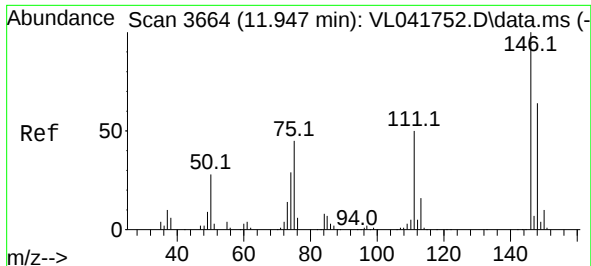
Ion Ratio Lower Upper

146 100

111 27.6 22.7 68.1

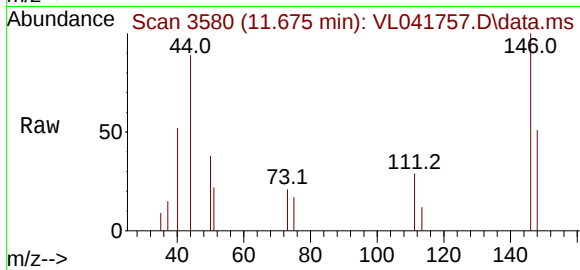
148 59.8 31.4 94.0



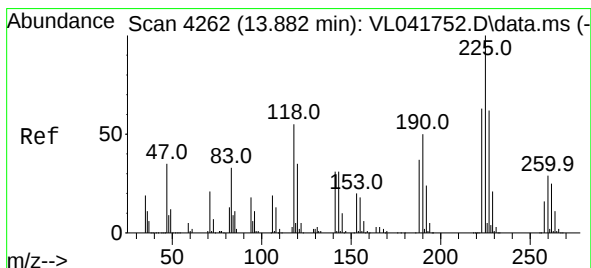
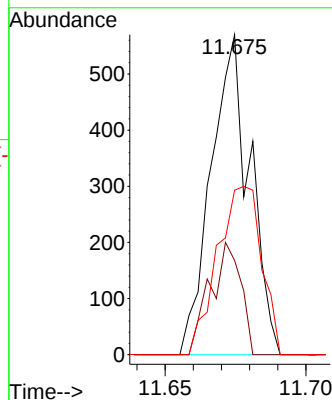
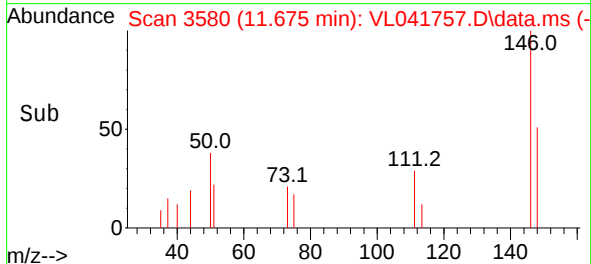


#77
1,2-Dichlorobenzene
Concen: 0.038 ppbv
RT: 11.675 min Scan# 3580
Delta R.T. -0.272 min
Lab File: VL041757.D
Acq: 16 Dec 2024 16:08

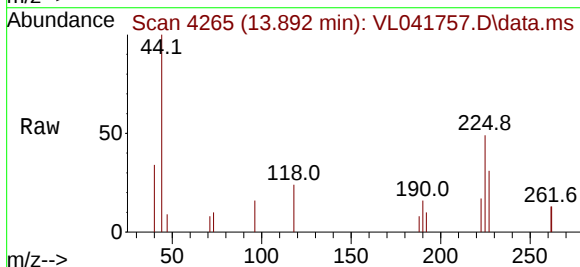
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03



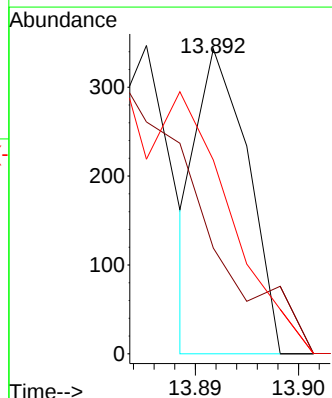
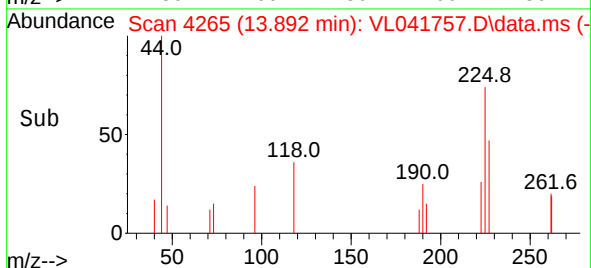
Tgt Ion:146 Resp: 547
Ion Ratio Lower Upper
146 100
111 27.6 24.8 74.3
148 59.8 31.8 95.4

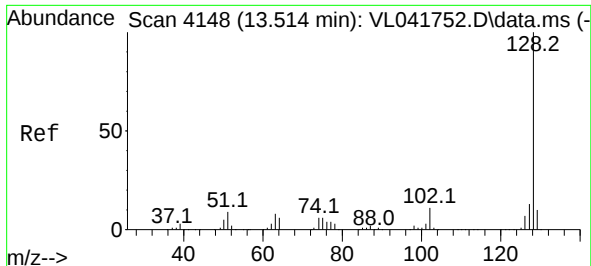


#78
Hexachloro-1,3-Butadiene
Concen: 0.010 ppbv
RT: 13.892 min Scan# 4265
Delta R.T. 0.009 min
Lab File: VL041757.D
Acq: 16 Dec 2024 16:08



Tgt Ion:225 Resp: 112
Ion Ratio Lower Upper
225 100
223 0.0 50.5 75.7#
227 0.0 50.3 75.5#





#79

Naphthalene

Concen: 0.033 ppbv

RT: 13.516 min Scan# 4148

Delta R.T. 0.003 min

Lab File: VL041757.D

Acq: 16 Dec 2024 16:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

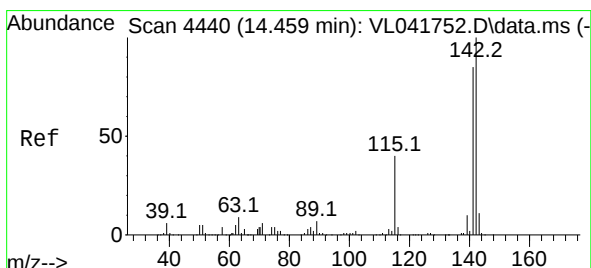
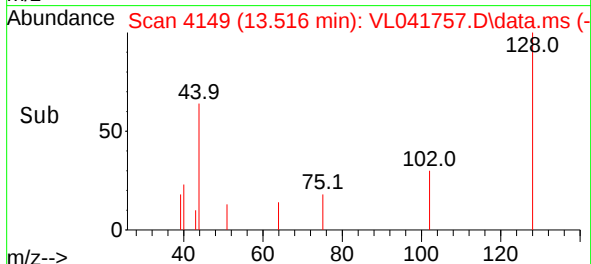
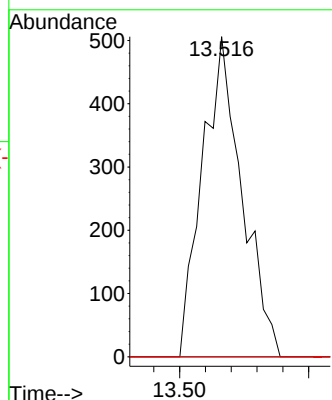
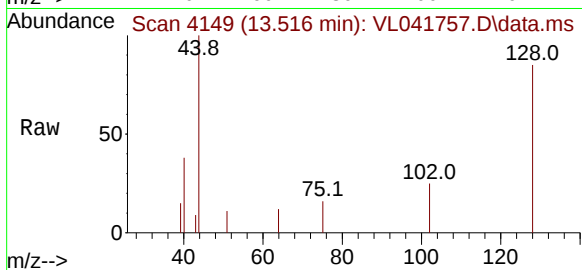
Tgt Ion:128 Resp: 540

Ion Ratio Lower Upper

128 100

127 0.0 10.7 16.1#

129 0.0 8.2 12.4#



#80

Naphthalene, 2-methyl-

Concen: 0.040 ppbv

RT: 14.465 min Scan# 4442

Delta R.T. 0.006 min

Lab File: VL041757.D

Acq: 16 Dec 2024 16:08

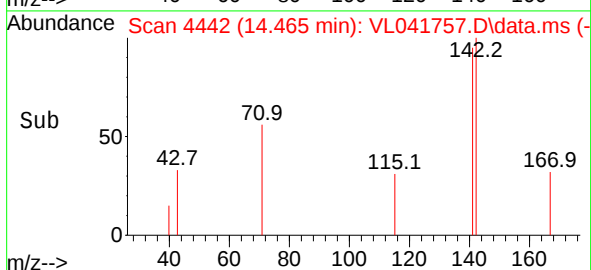
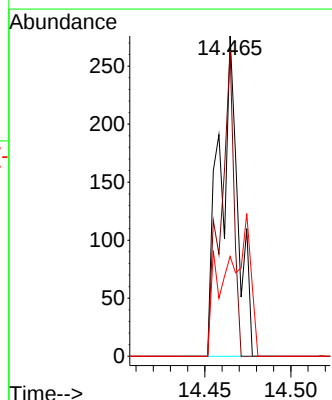
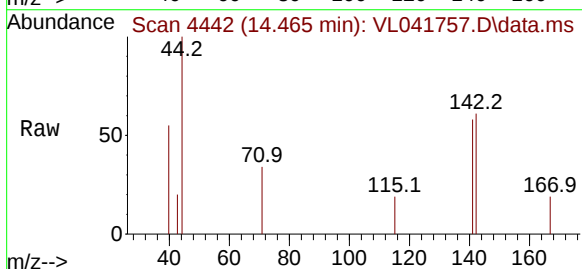
Tgt Ion:142 Resp: 206

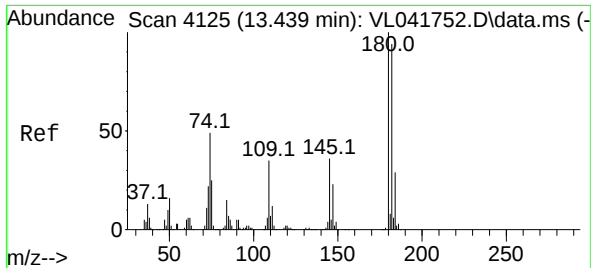
Ion Ratio Lower Upper

142 100

141 68.0 68.4 102.6#

115 59.2 32.5 48.7#





#81

1,2,4-Trichlorobenzene

Concen: 0.065 ppbv

RT: 13.445 min Scan# 41

Delta R.T. 0.006 min

Lab File: VL041757.D

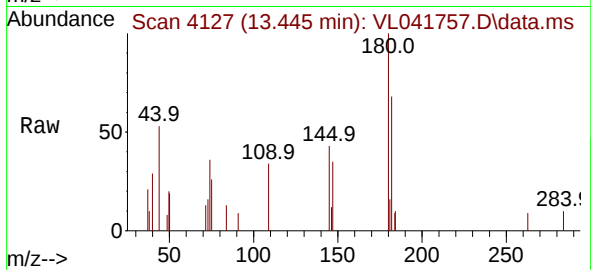
Acq: 16 Dec 2024 16:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.03



Tgt Ion:180 Resp: 586

Ion Ratio Lower Upper

180 100

182 84.0 77.0 115.6

184 21.7 23.8 35.8#

