

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121624\
 Data File : VL041753.D
 Acq On : 16 Dec 2024 14:03
 Operator : SY/MD
 Sample : VSTDICC002
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002

Quant Time: Dec 19 06:12:42 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	67443	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	182992	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	163971	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	138312	10.122	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.200%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	24819	2.068	ppbv	98
3) Chlorodifluoromethane	1.476	51	22299	2.027	ppbv	96
4) Chloromethane	1.531	50	9926	2.114	ppbv	99
5) Vinyl Chloride	1.580	62	9300	1.966	ppbv	99
6) Bromomethane	1.667	94	4625	2.072	ppbv	99
7) Chloroethane	1.706	64	4003	2.178	ppbv #	85
8) Dichlorotetrafluoroethane	1.554	85	21791	2.029	ppbv	100
9) Propene	1.483	41	10115	2.122	ppbv	97
10) Heptane	4.978	43	25297	2.066	ppbv	100
11) Trichlorofluoromethane	1.878	101	26208	2.056	ppbv	96
12) 1,1,2-Trichlorotrifluo...	2.140	101	19770	2.039	ppbv	99
13) Ethanol	1.722	45	792	1.998	ppbv #	49
14) Bromoethene	1.784	108	6527	1.994	ppbv #	90
15) Acetone	1.835	43	27613	2.104	ppbv	99
16) 1,3-Butadiene	1.609	39	10478	2.028	ppbv	96
17) tert-Butyl alcohol	2.043	59	26646	2.047	ppbv	99
18) 1,1-Dichloroethene	2.033	96	8389	2.064	ppbv	92
19) Isopropyl Alcohol	1.887	45	14937	1.897	ppbv	93
20) Methylene Chloride	2.062	84	7586	2.027	ppbv	94
21) Allyl Chloride	2.094	41	14731	2.070	ppbv	99
22) trans-1,2-Dichloroethene	2.340	96	9407	2.022	ppbv	94
23) Vinyl Acetate	2.463	43	17652	3.096	ppbv #	95
24) 1,1-Dichloroethane	2.408	63	19070	2.025	ppbv	99
25) Ethyl Acetate	2.836	43	50510	2.059	ppbv	99
26) Hexane	2.826	57	19200	2.073	ppbv	98
27) Carbon Disulfide	2.153	76	16214	1.942	ppbv #	34
28) Methyl tert-Butyl Ether	2.441	73	15039	2.001	ppbv	98
29) Chloroform	2.849	83	28843	2.043	ppbv	98
30) Cyclohexane	3.858	84	16384	2.079	ppbv	99
31) cis-1,2-Dichloroethene	2.719	61	19688	2.057	ppbv	96
32) 1,1,1-Trichloroethane	3.370	97	28341	2.017	ppbv	98
34) 2-Butanone	2.557	43	31483	2.138	ppbv	99
35) Carbon Tetrachloride	3.765	117	27727	2.134	ppbv	98
36) Benzene	3.658	78	38759	2.048	ppbv	94
37) 1,2-Dichloroethane	3.221	62	23800	2.021	ppbv	98
38) Trichloroethene	4.548	130	15660	1.965	ppbv	94
39) 1,2-Dichloropropane	4.315	63	14197	2.074	ppbv	94
40) 1,4-Dioxane	4.596	88	3078	0.920	ppbv #	20
41) Tetrahydrofuran	3.059	42	16665	2.021	ppbv	96
42) Bromodichloromethane	4.489	83	26716	1.972	ppbv	98
43) Methyl Methacrylate	4.884	69	14849	2.059	ppbv	100
44) 2,2,4-Trimethylpentane	4.642	57	67432	2.086	ppbv	100
45) t-1,3-Dichloropropene	6.415	75	14885	1.995	ppbv	99

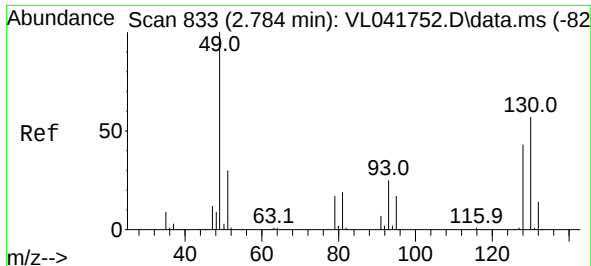
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121624\
 Data File : VL041753.D
 Acq On : 16 Dec 2024 14:03
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Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002

Quant Time: Dec 19 06:12:42 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	5.593	75	7224	0.763	ppbv	96
47) 1,1,2-Trichloroethane	6.584	97	14858	2.078	ppbv	89
48) Dibromochloromethane	7.390	129	19764	2.024	ppbv	98
49) Bromoform	9.484	173	16200	2.027	ppbv	98
50) 4-Methyl-2-Pentanone	5.758	43	42045	2.098	ppbv	97
51) 2-Hexanone	7.441	43	34878	2.147	ppbv #	98
52) Tetrachloroethene	8.225	164	13612	1.932	ppbv	93
53) Toluene	6.933	91	44470	2.072	ppbv	99
54) 1,2-Dibromoethane	7.655	107	19820	2.012	ppbv	91
56) 1,1,1,2-Tetrachloroethane	8.924	131	18613	2.141	ppbv	98
57) Chlorobenzene	8.920	112	35685	2.127	ppbv	99
58) Ethyl Benzene	9.354	91	63316	2.145	ppbv	97
59) m/p-Xylene	9.555	91	48921	2.060	ppbv #	100
60) o-Xylene	9.966	91	51152	2.149	ppbv	99
61) Styrene	9.872	104	20842	2.025	ppbv	96
62) Isopropylbenzene	10.539	105	75206	2.103	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.966	83	29751	1.997	ppbv	100
64) n-propylbenzene	10.992	120	19146	2.117	ppbv	99
65) tert-Butylbenzene	11.532	119	68879	2.135	ppbv	98
66) Benzyl Chloride	11.617	91	5400	1.898	ppbv	99
67) sec-Butylbenzene	11.769	105	95968	2.149	ppbv	100
69) p-Isopropyltoluene	11.927	119	79236	2.153	ppbv	100
70) n-Butylbenzene	12.283	91	75430	2.122	ppbv	99
71) 2-Chlorotoluene	10.901	91	57724	2.114	ppbv	99
72) 4-Ethyltoluene	11.125	105	58841	2.098	ppbv	99
73) 1,3,5-Trimethylbenzene	11.206	105	48645	2.087	ppbv	97
74) 1,2,4-Trimethylbenzene	11.539	105	53084	2.118	ppbv	96
75) 1,3-Dichlorobenzene	11.610	146	32609	2.040	ppbv	98
76) 1,4-Dichlorobenzene	11.675	146	32527	2.060	ppbv	98
77) 1,2-Dichlorobenzene	11.950	146	32223	2.095	ppbv	100
78) Hexachloro-1,3-Butadiene	13.882	225	25358	2.224	ppbv	98
79) Naphthalene	13.513	128	37855	2.167	ppbv	100
80) Naphthalene,2-methyl-	14.462	142	4482	0.830	ppbv	94
81) 1,2,4-Trichlorobenzene	13.442	180	19425	2.035	ppbv	99

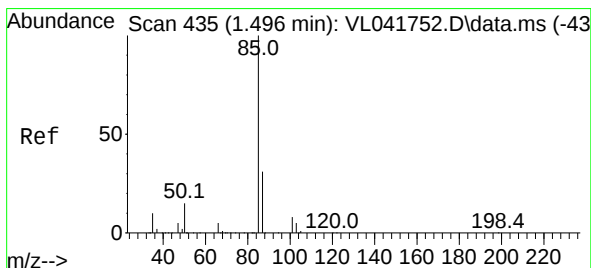
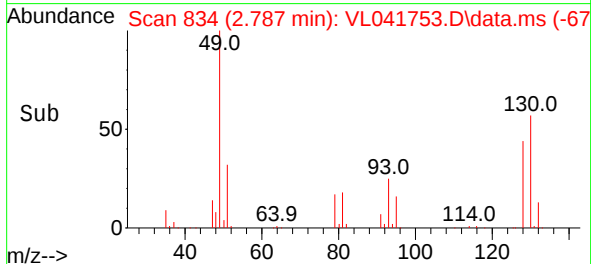
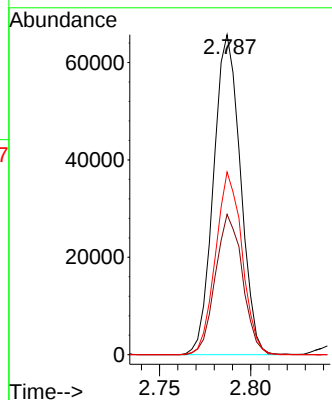
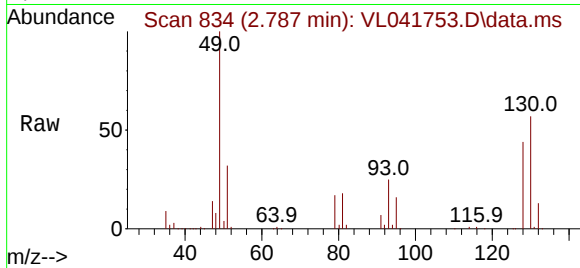
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 834
Delta R.T. 0.003 min
Lab File: VL041753.D
Acq: 16 Dec 2024 14:03

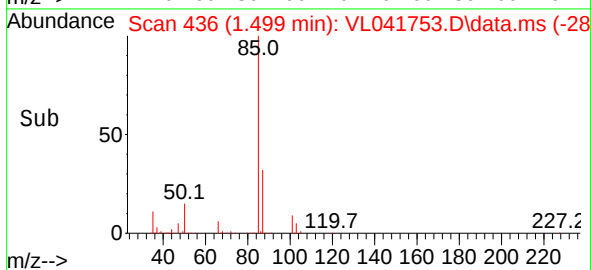
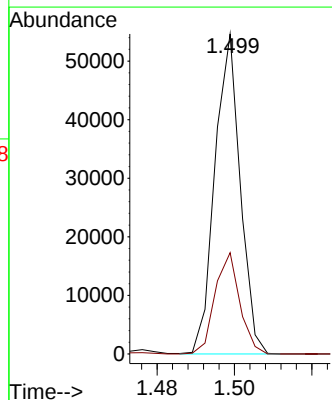
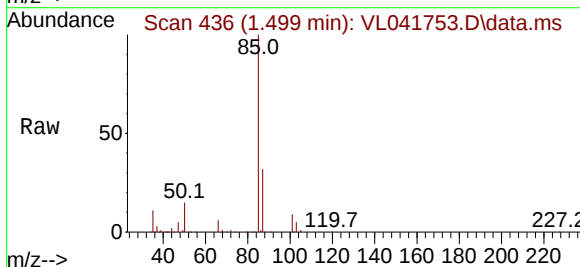
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MSVOA_1
ClientSampleId :
VSTDIC002

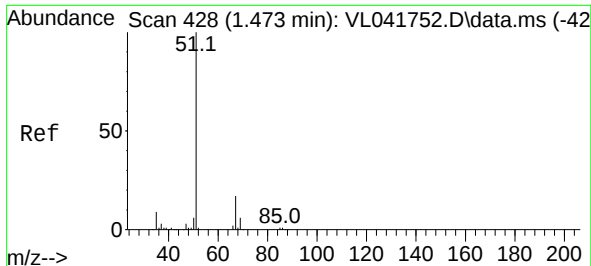
Tgt Ion: 49 Resp: 67443
Ion Ratio Lower Upper
49 100
128 44.1 21.6 64.6
130 56.3 28.3 85.0



#2
Dichlorodifluoromethane
Concen: 2.068 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.003 min
Lab File: VL041753.D
Acq: 16 Dec 2024 14:03

Tgt Ion: 85 Resp: 24819
Ion Ratio Lower Upper
85 100
87 31.6 24.5 36.7

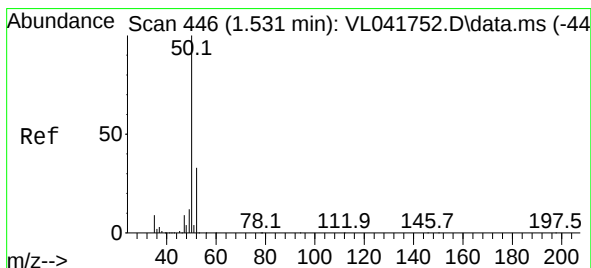
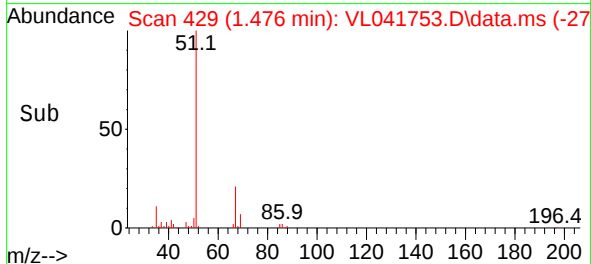
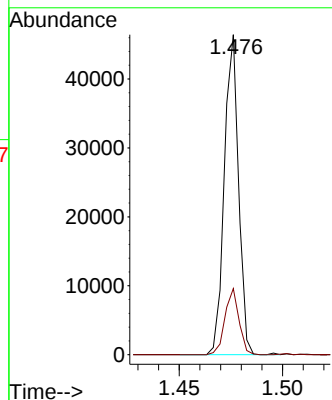
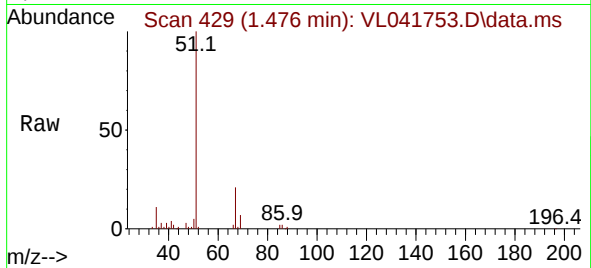




#3
Chlorodifluoromethane
Concen: 2.027 ppbv
RT: 1.476 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL041753.D
Acq: 16 Dec 2024 14:03

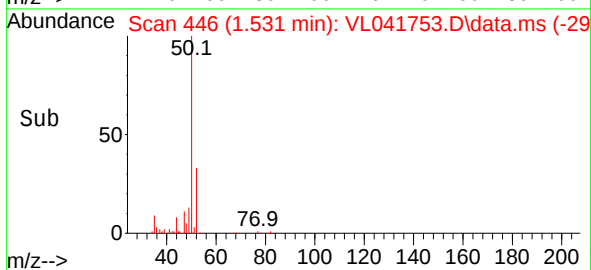
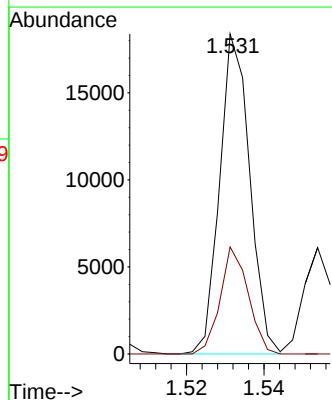
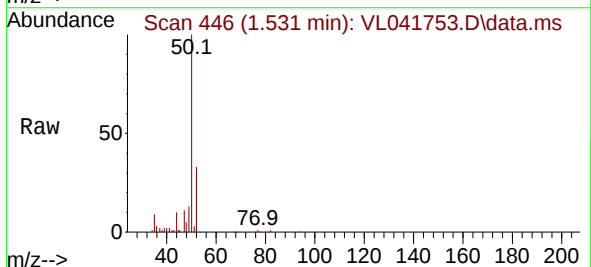
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ClientSampleId :
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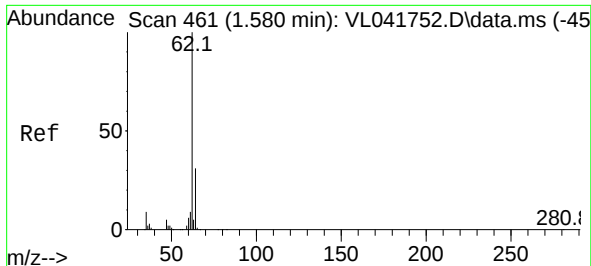
Tgt Ion: 51 Resp: 22299
Ion Ratio Lower Upper
51 100
67 20.5 15.0 22.4



#4
Chloromethane
Concen: 2.114 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL041753.D
Acq: 16 Dec 2024 14:03

Tgt Ion: 50 Resp: 9926
Ion Ratio Lower Upper
50 100
52 33.5 26.2 39.2

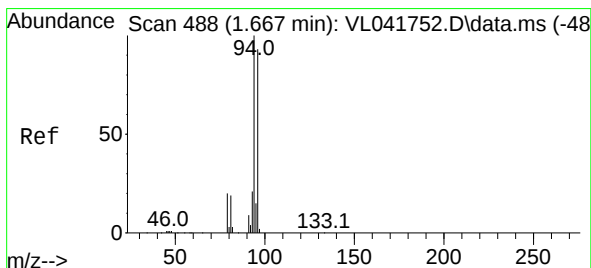
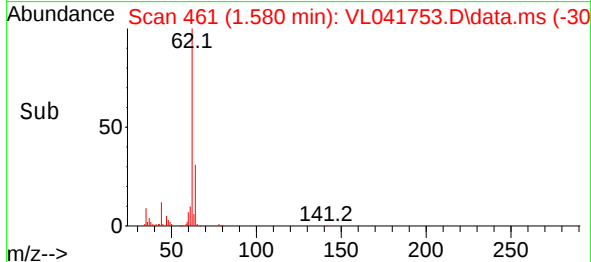
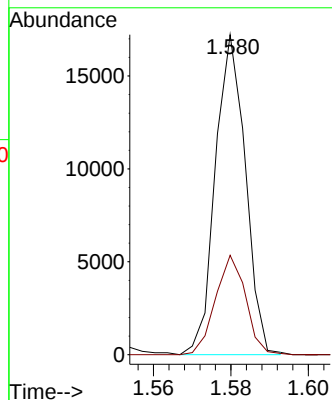
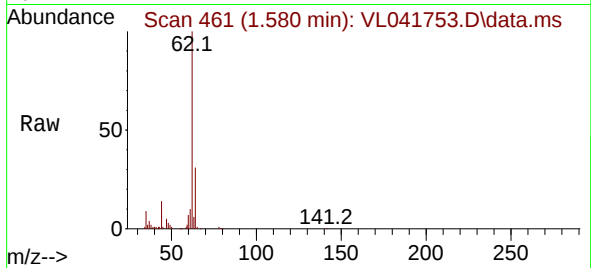




#5
 Vinyl Chloride
 Concen: 1.966 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. -0.000 min
 Lab File: VL041753.D
 Acq: 16 Dec 2024 14:03

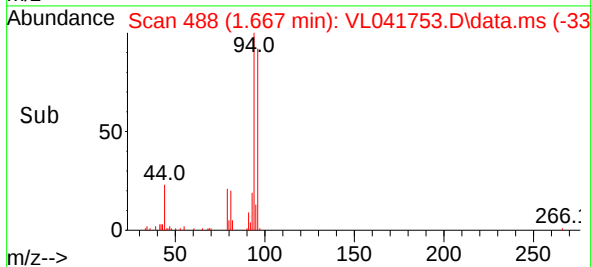
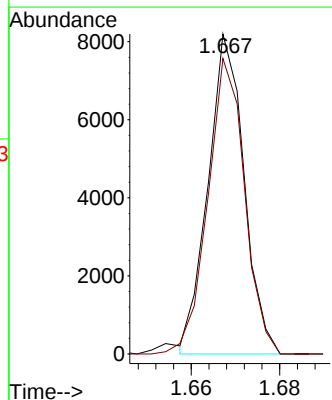
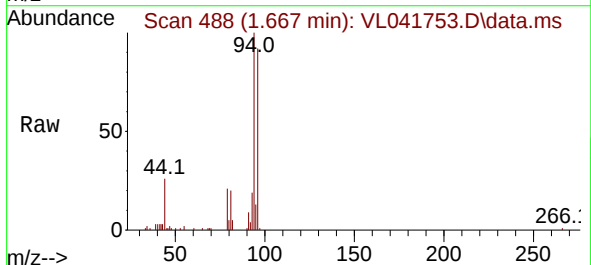
Instrument :
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 ClientSampleId :
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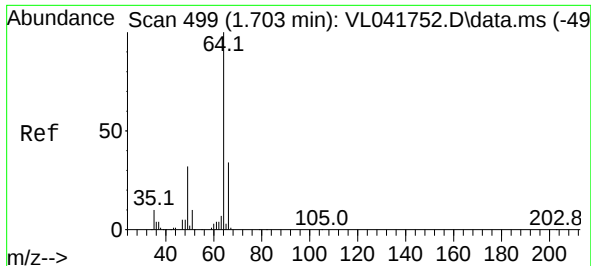
Tgt Ion: 62 Resp: 9300
 Ion Ratio Lower Upper
 62 100
 64 31.1 25.1 37.7



#6
 Bromomethane
 Concen: 2.072 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. -0.000 min
 Lab File: VL041753.D
 Acq: 16 Dec 2024 14:03

Tgt Ion: 94 Resp: 4625
 Ion Ratio Lower Upper
 94 100
 96 92.4 74.7 112.1

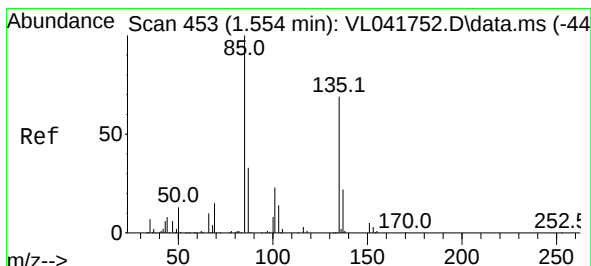
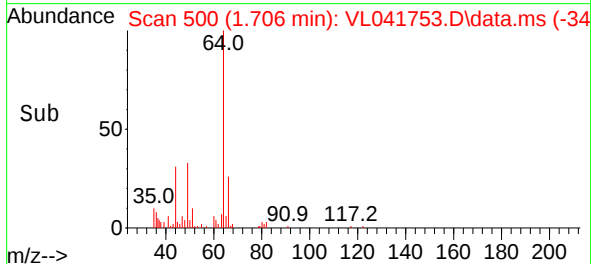
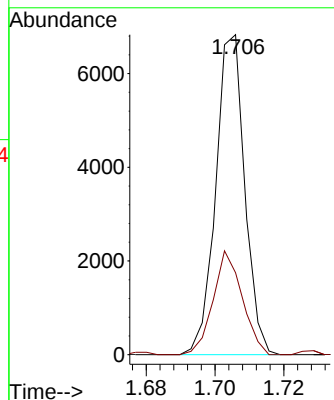
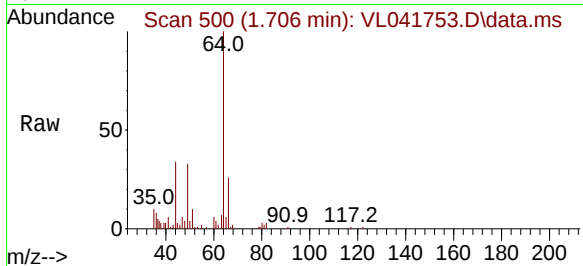




#7
Chloroethane
Concen: 2.178 ppbv
RT: 1.706 min Scan# 50
Delta R.T. 0.003 min
Lab File: VL041753.D
Acq: 16 Dec 2024 14:03

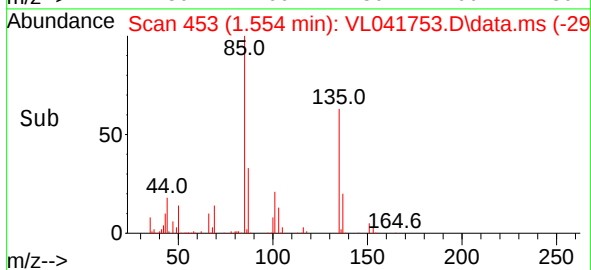
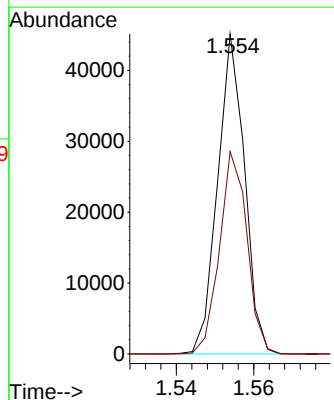
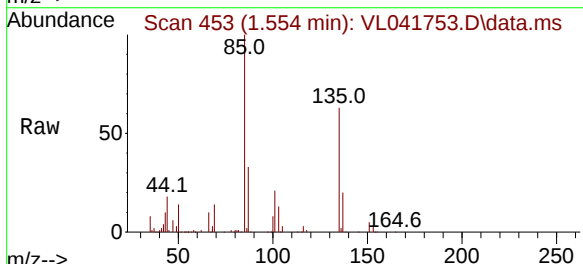
Instrument :
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ClientSampleId :
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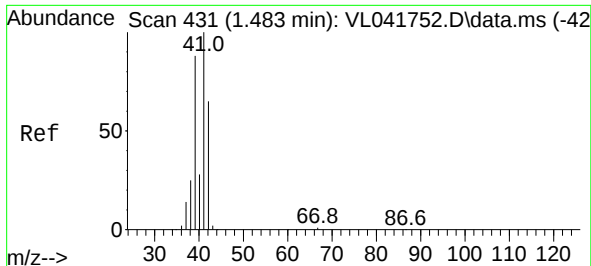
Tgt Ion: 64 Resp: 4003
Ion Ratio Lower Upper
64 100
66 25.6 27.5 41.3#



#8
Dichlorotetrafluoroethane
Concen: 2.029 ppbv
RT: 1.554 min Scan# 453
Delta R.T. -0.000 min
Lab File: VL041753.D
Acq: 16 Dec 2024 14:03

Tgt Ion: 85 Resp: 21791
Ion Ratio Lower Upper
85 100
135 64.8 51.9 77.9





#9

Propene

Concen: 2.122 ppbv

RT: 1.483 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL041753.D

Acq: 16 Dec 2024 14:03

Instrument :

MSVOA_L

ClientSampleId :

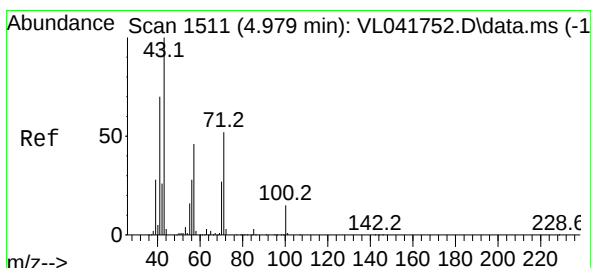
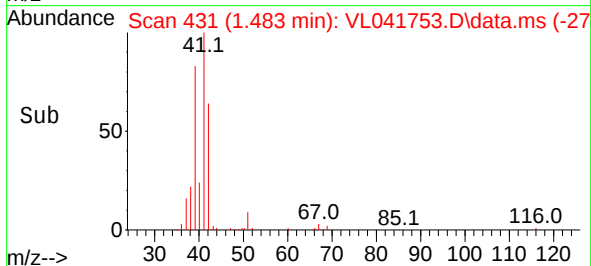
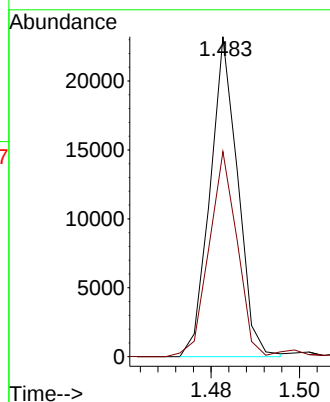
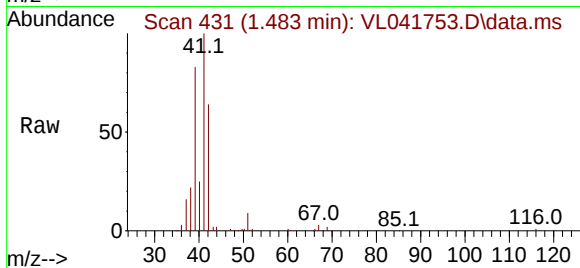
VSTDIC002

Tgt Ion: 41 Resp: 10115

Ion Ratio Lower Upper

41 100

42 67.9 52.4 78.6



#10

Heptane

Concen: 2.066 ppbv

RT: 4.978 min Scan# 1511

Delta R.T. -0.000 min

Lab File: VL041753.D

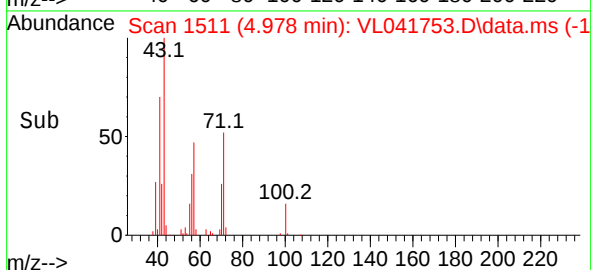
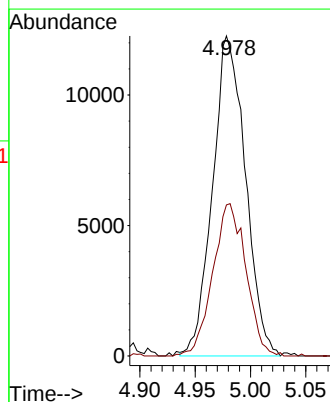
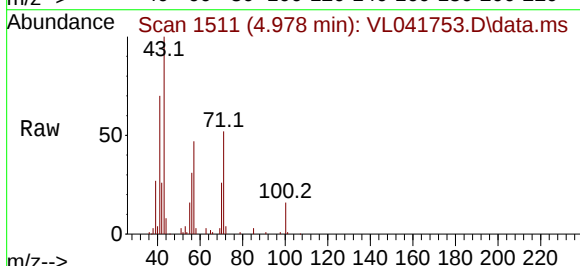
Acq: 16 Dec 2024 14:03

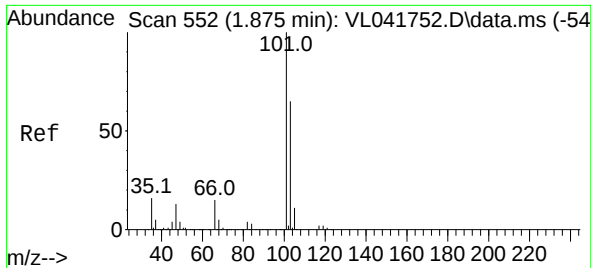
Tgt Ion: 43 Resp: 25297

Ion Ratio Lower Upper

43 100

57 48.1 38.5 57.7

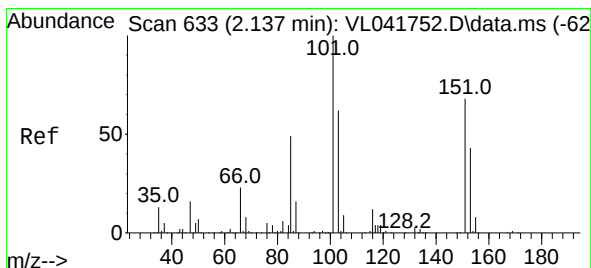
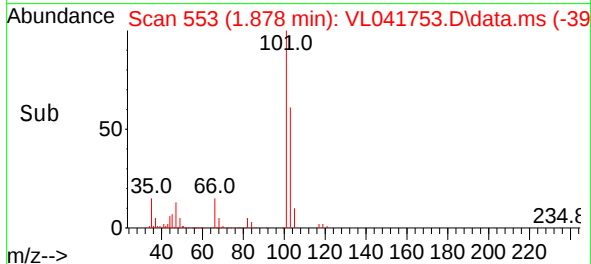
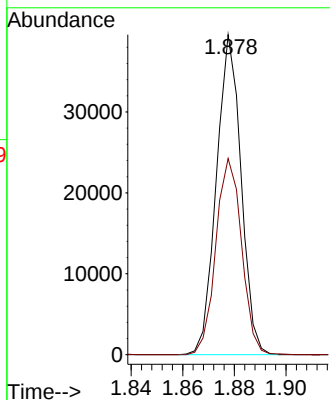
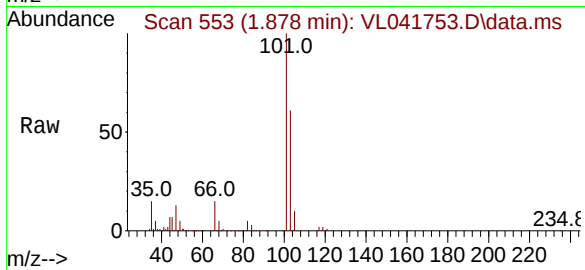




#11
Trichlorofluoromethane
Concen: 2.056 ppbv
RT: 1.878 min Scan# 511
Delta R.T. 0.003 min
Lab File: VL041753.D
Acq: 16 Dec 2024 14:03

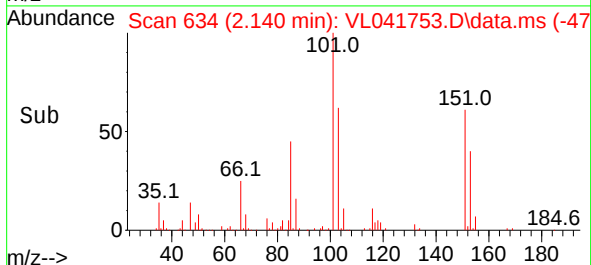
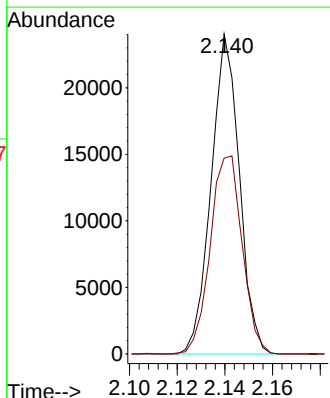
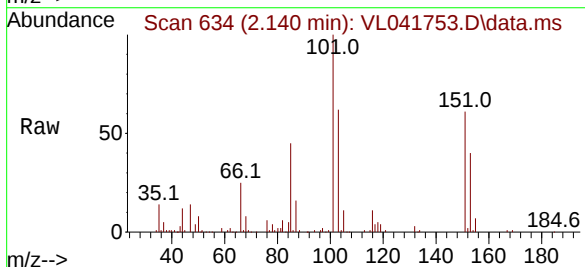
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

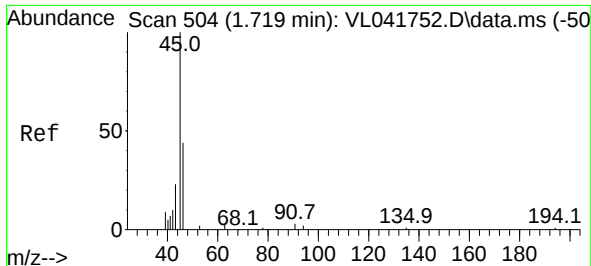
Tgt Ion:101 Resp: 26208
Ion Ratio Lower Upper
101 100
103 61.3 51.8 77.8



#12
1,1,2-Trichlorotrifluoroethane
Concen: 2.039 ppbv
RT: 2.140 min Scan# 634
Delta R.T. 0.003 min
Lab File: VL041753.D
Acq: 16 Dec 2024 14:03

Tgt Ion:101 Resp: 19770
Ion Ratio Lower Upper
101 100
151 70.2 56.8 85.2





#13

Ethanol

Concen: 1.998 ppbv

RT: 1.722 min Scan# 504

Delta R.T. 0.003 min

Lab File: VL041753.D

Acq: 16 Dec 2024 14:03

Instrument :

MSVOA_L

ClientSampleId :

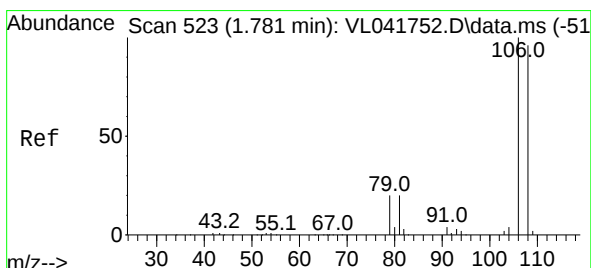
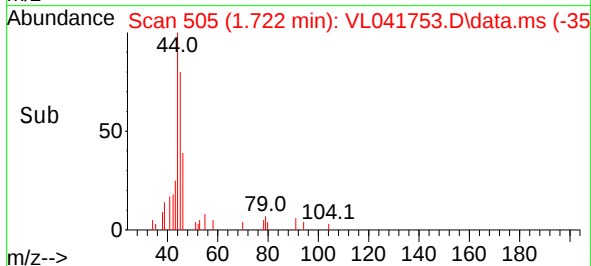
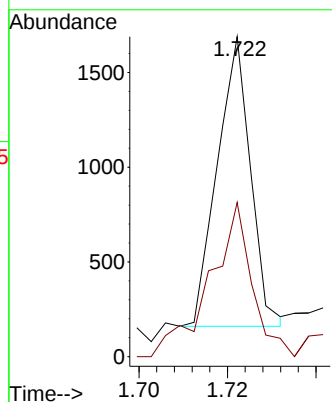
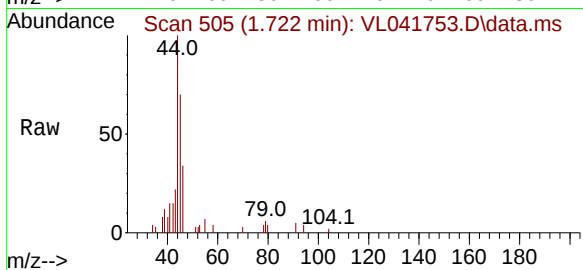
VSTDIC002

Tgt Ion: 45 Resp: 792

Ion Ratio Lower Upper

45 100

46 72.9 16.4 65.8#



#14

Bromoethene

Concen: 1.994 ppbv

RT: 1.784 min Scan# 524

Delta R.T. 0.003 min

Lab File: VL041753.D

Acq: 16 Dec 2024 14:03

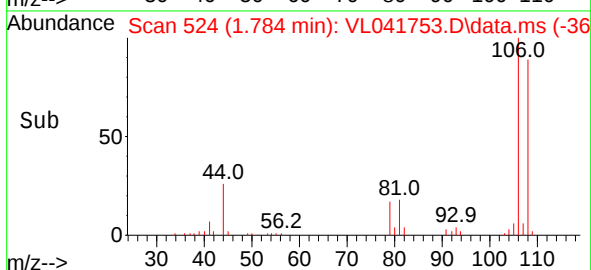
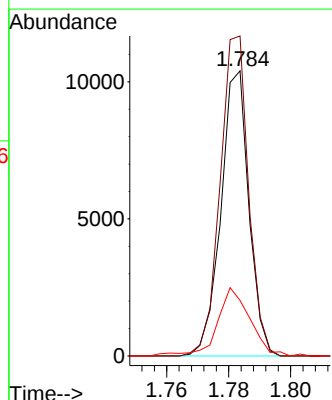
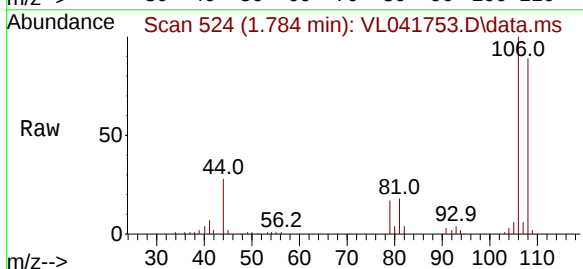
Tgt Ion: 108 Resp: 6527

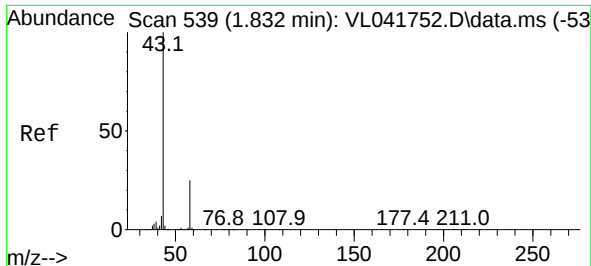
Ion Ratio Lower Upper

108 100

106 114.2 84.1 126.1

79 28.0 17.4 26.0#





#15

Acetone

Concen: 2.104 ppbv

RT: 1.835 min Scan# 54

Delta R.T. 0.003 min

Lab File: VL041753.D

Acq: 16 Dec 2024 14:03

Instrument :

MSVOA_L

ClientSampleId :

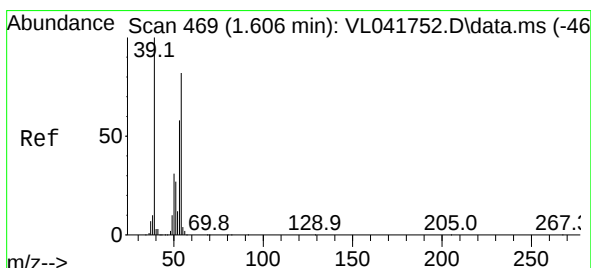
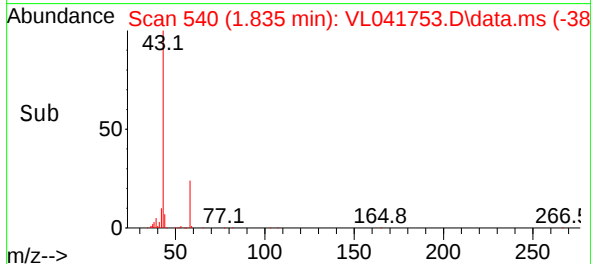
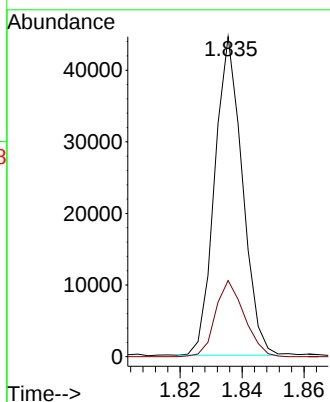
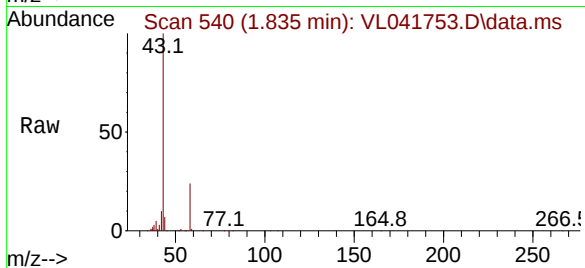
VSTDIC002

Tgt Ion: 43 Resp: 27613

Ion Ratio Lower Upper

43 100

58 25.0 19.7 29.5



#16

1,3-Butadiene

Concen: 2.028 ppbv

RT: 1.609 min Scan# 470

Delta R.T. 0.003 min

Lab File: VL041753.D

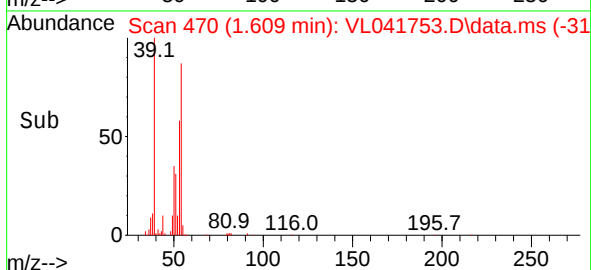
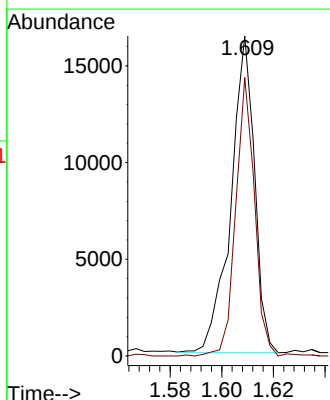
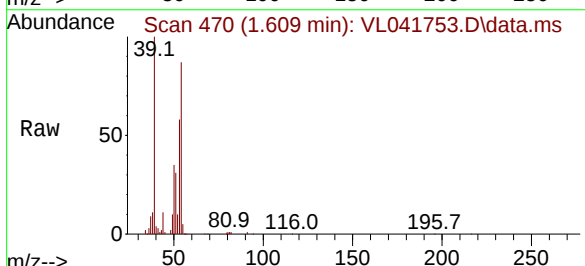
Acq: 16 Dec 2024 14:03

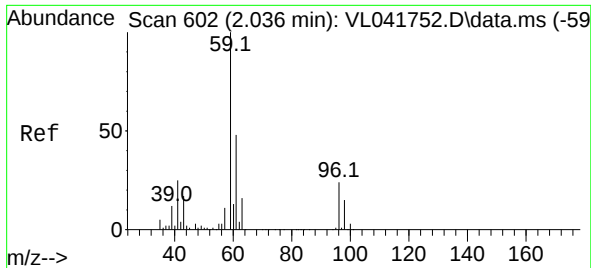
Tgt Ion: 39 Resp: 10478

Ion Ratio Lower Upper

39 100

54 70.0 58.4 87.6

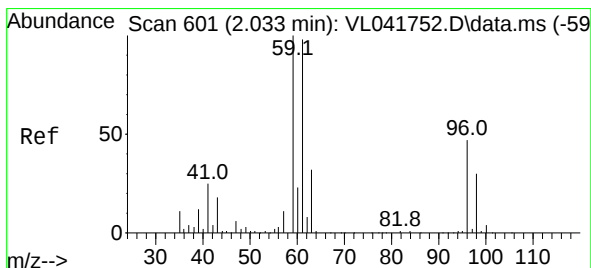
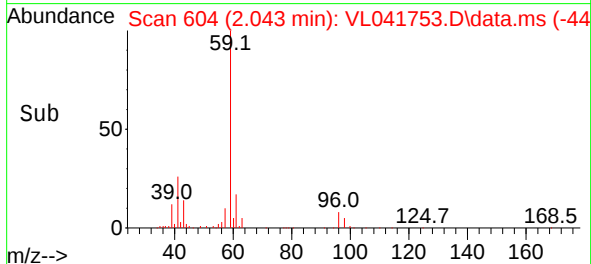
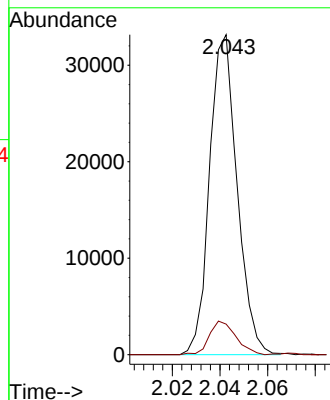
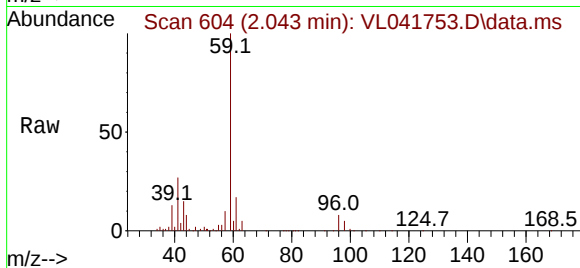




#17
tert-Butyl alcohol
Concen: 2.047 ppbv
RT: 2.043 min Scan# 604
Delta R.T. 0.006 min
Lab File: VL041753.D
Acq: 16 Dec 2024 14:03

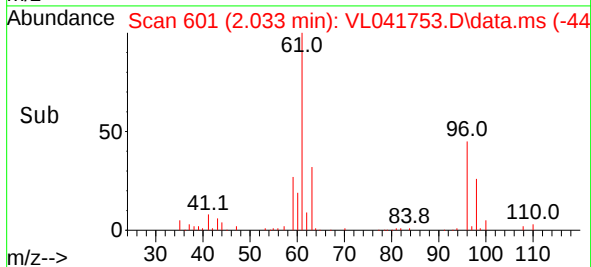
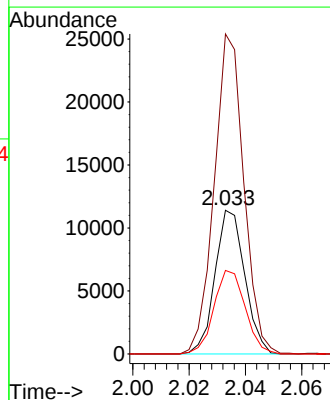
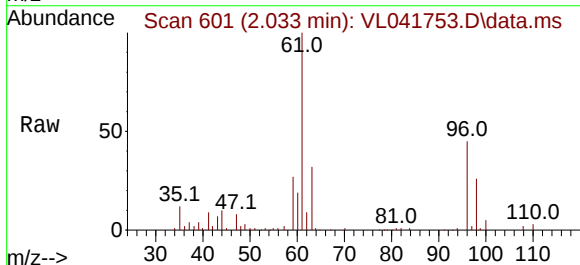
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

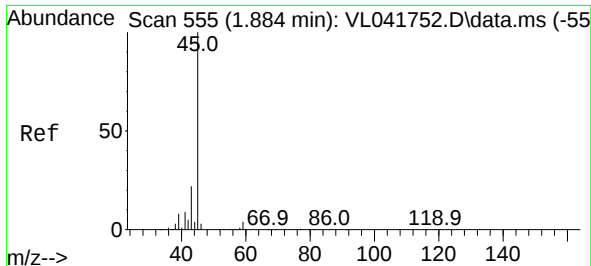
Tgt Ion: 59 Resp: 26646
Ion Ratio Lower Upper
59 100
57 10.4 8.6 13.0



#18
1,1-Dichloroethene
Concen: 2.064 ppbv
RT: 2.033 min Scan# 601
Delta R.T. -0.000 min
Lab File: VL041753.D
Acq: 16 Dec 2024 14:03

Tgt Ion: 96 Resp: 8389
Ion Ratio Lower Upper
96 100
61 222.7 167.7 251.5
98 58.2 51.1 76.7





#19

Isopropyl Alcohol

Concen: 1.897 ppbv

RT: 1.887 min Scan# 51

Delta R.T. 0.003 min

Lab File: VL041753.D

Acq: 16 Dec 2024 14:03

Instrument :

MSVOA_L

ClientSampleId :

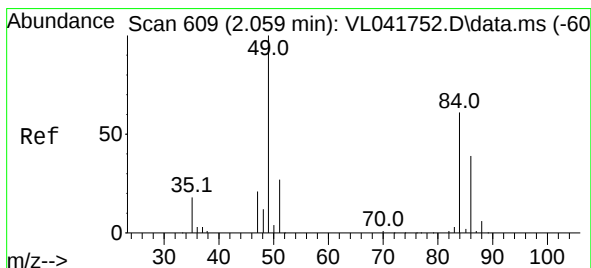
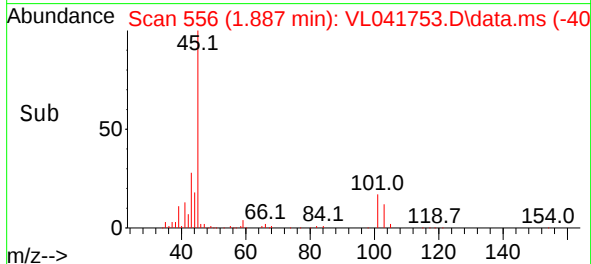
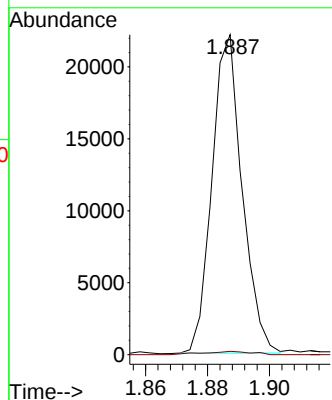
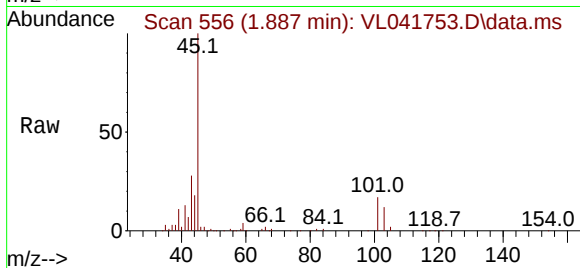
VSTDICC002

Tgt Ion: 45 Resp: 14937

Ion Ratio Lower Upper

45 100

58 46.2 33.3 49.9



#20

Methylene Chloride

Concen: 2.027 ppbv

RT: 2.062 min Scan# 610

Delta R.T. 0.003 min

Lab File: VL041753.D

Acq: 16 Dec 2024 14:03

Tgt Ion: 84 Resp: 7586

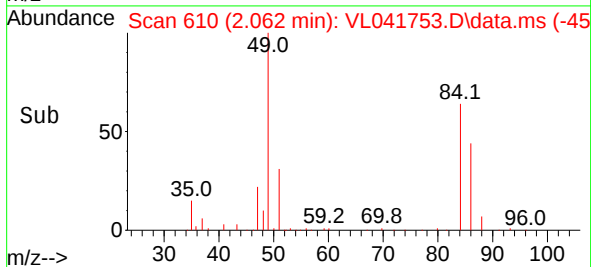
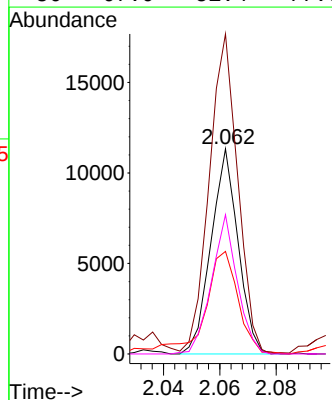
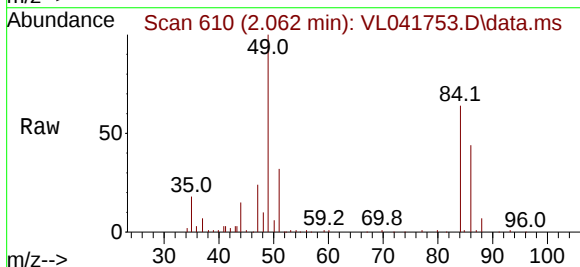
Ion Ratio Lower Upper

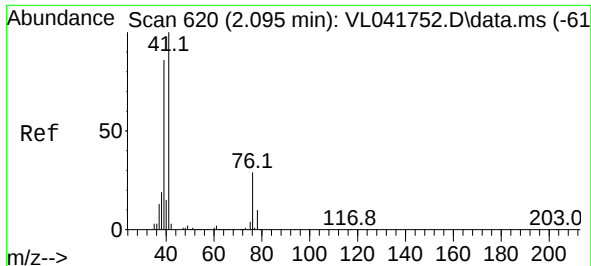
84 100

49 155.5 132.6 198.8

51 49.5 37.6 56.4

86 67.9 51.4 77.0





#21

Allyl Chloride

Concen: 2.070 ppbv

RT: 2.094 min Scan# 61

Delta R.T. -0.000 min

Lab File: VL041753.D

Acq: 16 Dec 2024 14:03

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

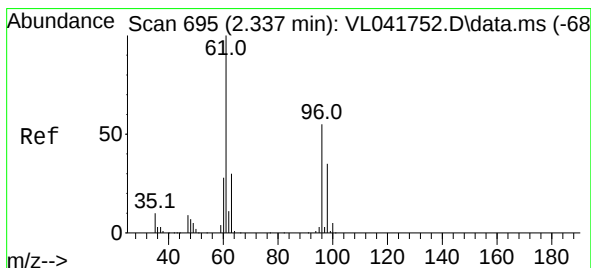
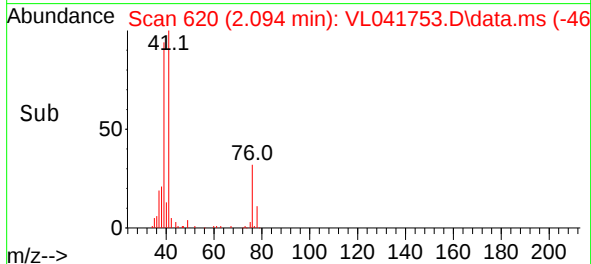
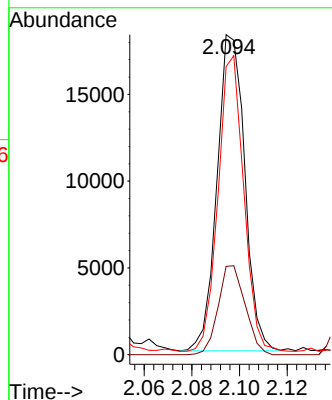
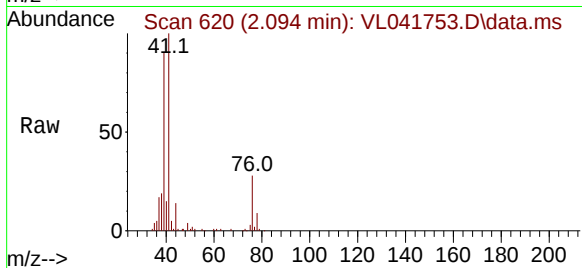
Tgt Ion: 41 Resp: 14731

Ion Ratio Lower Upper

41 100

76 27.4 22.3 33.5

39 85.3 69.2 103.8



#22

trans-1,2-Dichloroethene

Concen: 2.022 ppbv

RT: 2.340 min Scan# 696

Delta R.T. 0.003 min

Lab File: VL041753.D

Acq: 16 Dec 2024 14:03

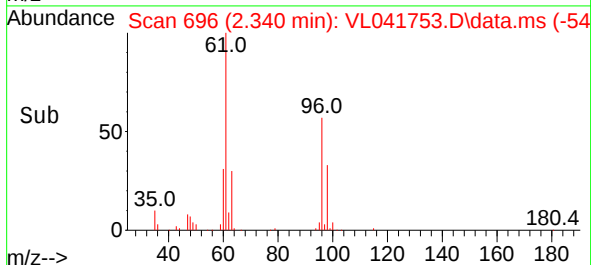
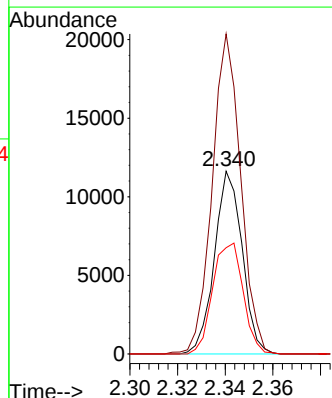
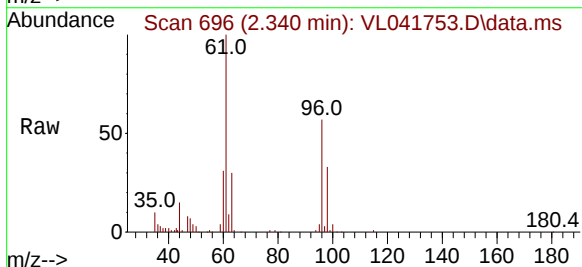
Tgt Ion: 96 Resp: 9407

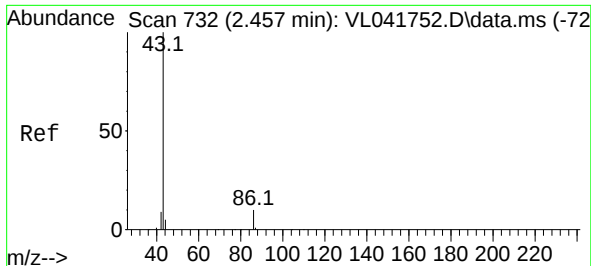
Ion Ratio Lower Upper

96 100

61 175.1 146.3 219.5

98 58.2 50.8 76.2





#23

Vinyl Acetate

Concen: 3.096 ppbv

RT: 2.463 min Scan# 716

Delta R.T. 0.006 min

Lab File: VL041753.D

Acq: 16 Dec 2024 14:03

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC002

Tgt Ion: 43 Resp: 17652

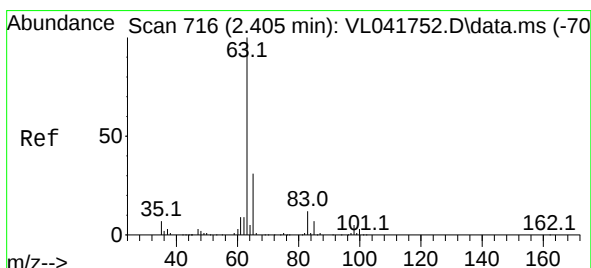
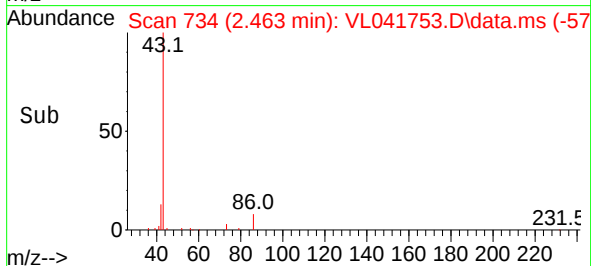
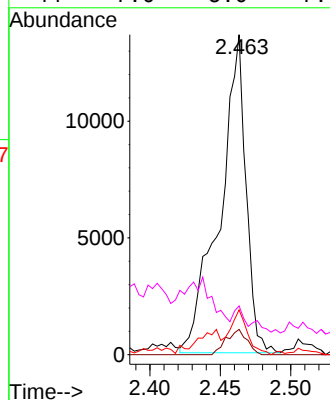
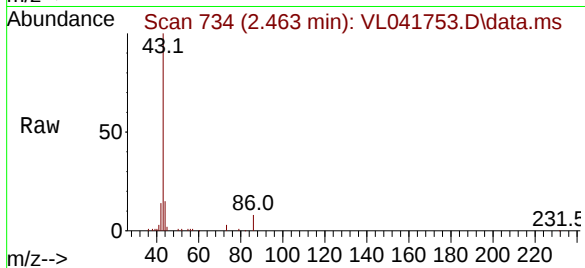
Ion Ratio Lower Upper

43 100

86 8.0 6.6 10.0

42 13.0 8.2 12.2#

44 7.6 5.0 7.4#



#24

1,1-Dichloroethane

Concen: 2.025 ppbv

RT: 2.408 min Scan# 717

Delta R.T. 0.003 min

Lab File: VL041753.D

Acq: 16 Dec 2024 14:03

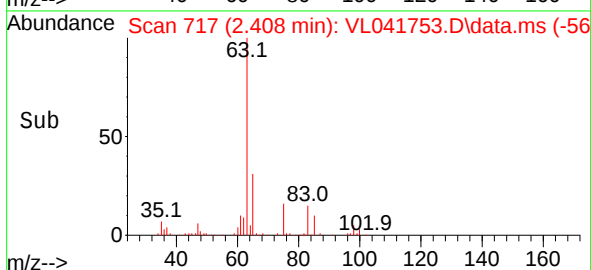
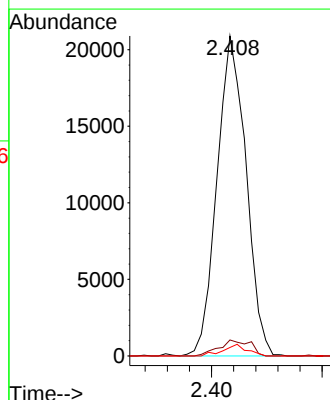
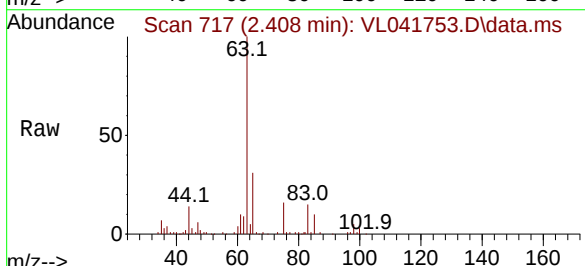
Tgt Ion: 63 Resp: 19070

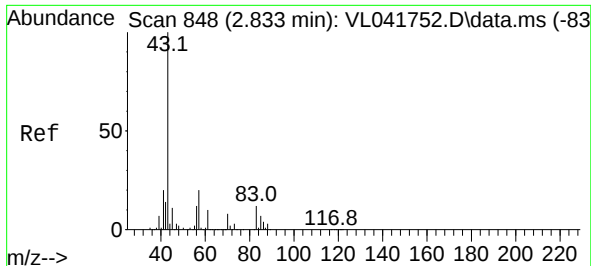
Ion Ratio Lower Upper

63 100

98 5.0 2.3 6.8

100 2.7 1.4 4.2





#25

Ethyl Acetate

Concen: 2.059 ppbv

RT: 2.836 min Scan# 84

Delta R.T. 0.003 min

Lab File: VL041753.D

Acq: 16 Dec 2024 14:03

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tgt Ion: 43 Resp: 50510

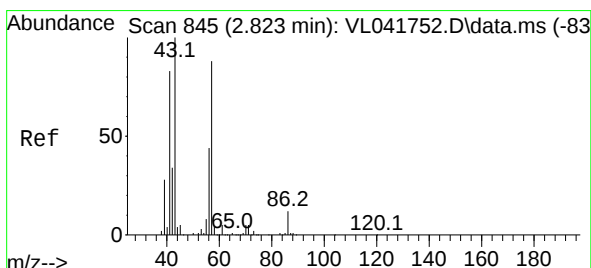
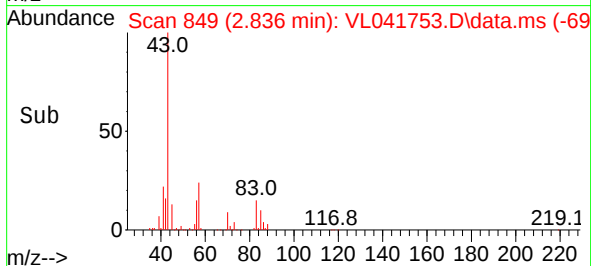
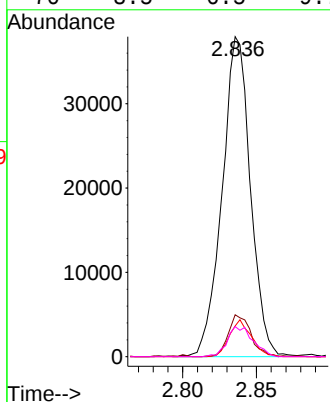
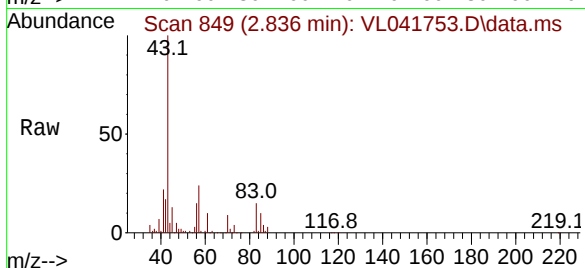
Ion Ratio Lower Upper

43 100

45 10.9 8.1 12.1

61 9.0 7.0 10.6

70 8.5 6.5 9.7



#26

Hexane

Concen: 2.073 ppbv

RT: 2.826 min Scan# 846

Delta R.T. 0.003 min

Lab File: VL041753.D

Acq: 16 Dec 2024 14:03

Tgt Ion: 57 Resp: 19200

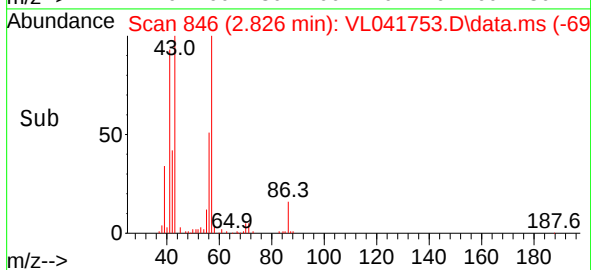
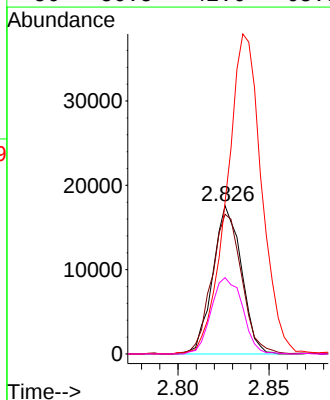
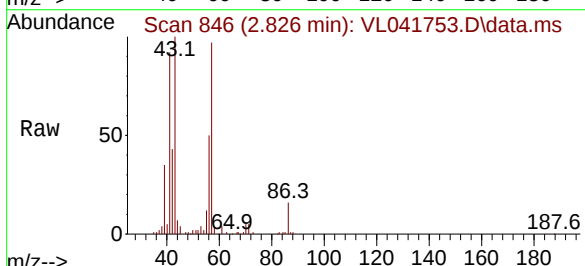
Ion Ratio Lower Upper

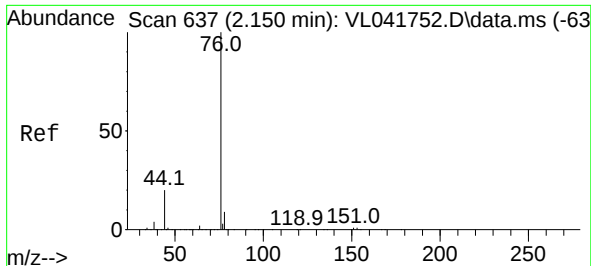
57 100

41 100.7 79.6 119.4

43 266.5 211.0 316.6

56 56.5 42.6 63.8





#27

Carbon Disulfide

Concen: 1.942 ppbv

RT: 2.153 min Scan# 61

Delta R.T. 0.003 min

Lab File: VL041753.D

Acq: 16 Dec 2024 14:03

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC002

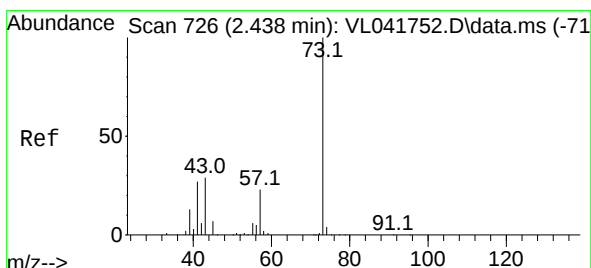
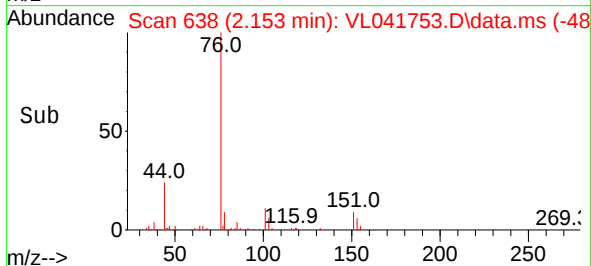
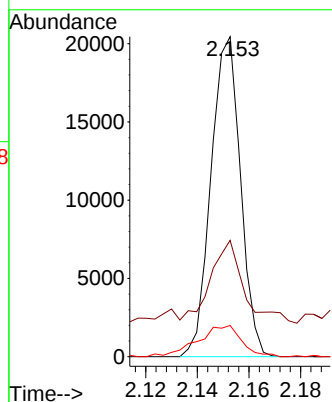
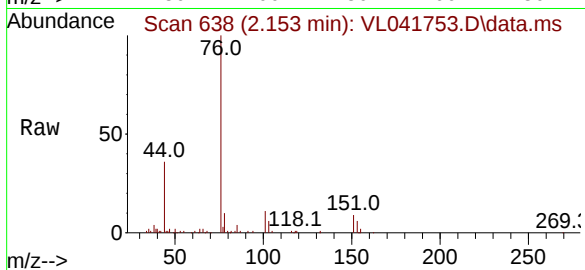
Tgt Ion: 76 Resp: 16214

Ion Ratio Lower Upper

76 100

44 70.4 17.6 26.4#

78 14.6 10.2 15.4



#28

Methyl tert-Butyl Ether

Concen: 2.001 ppbv

RT: 2.441 min Scan# 727

Delta R.T. 0.003 min

Lab File: VL041753.D

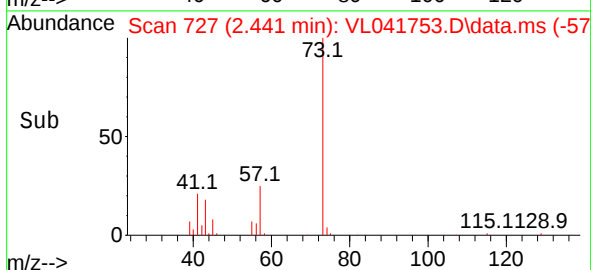
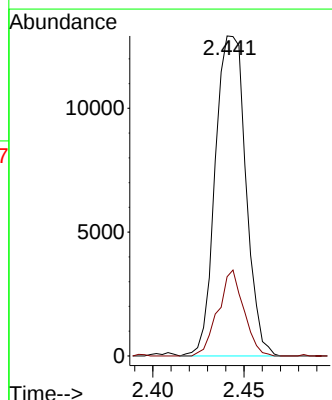
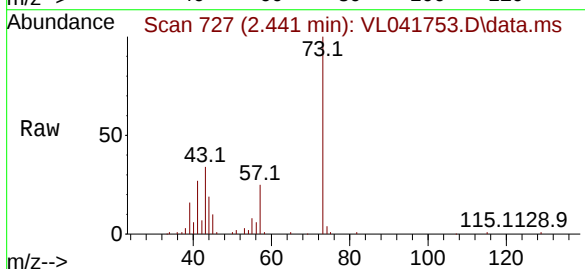
Acq: 16 Dec 2024 14:03

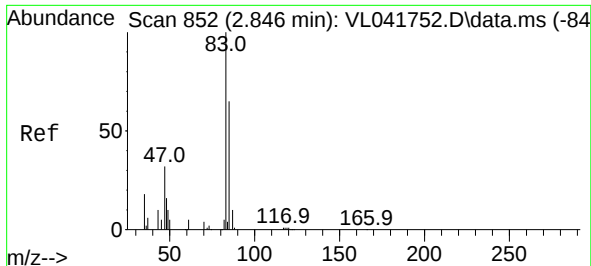
Tgt Ion: 73 Resp: 15039

Ion Ratio Lower Upper

73 100

57 22.8 17.6 26.4





#29

Chloroform

Concen: 2.043 ppbv

RT: 2.849 min Scan# 85

Delta R.T. 0.003 min

Lab File: VL041753.D

Acq: 16 Dec 2024 14:03

Instrument :

MSVOA_L

ClientSampleId :

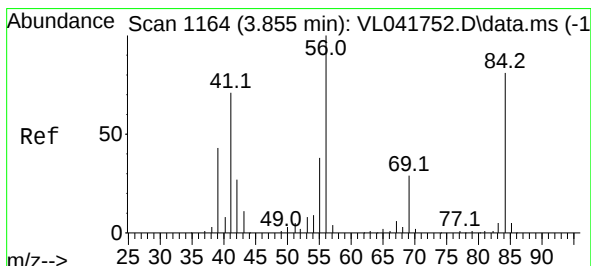
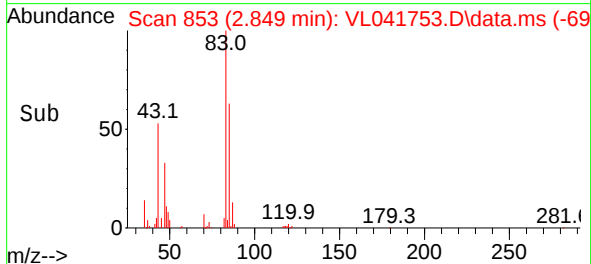
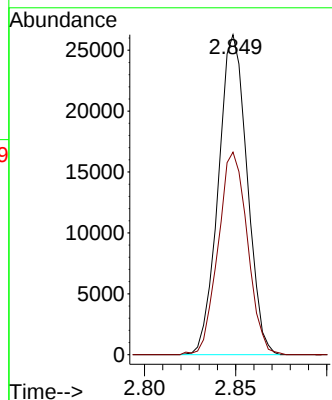
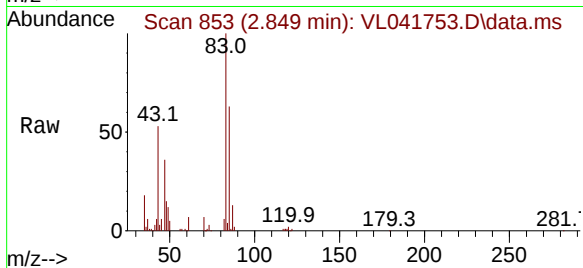
VSTDIC002

Tgt Ion: 83 Resp: 28843

Ion Ratio Lower Upper

83 100

85 63.3 51.8 77.6



#30

Cyclohexane

Concen: 2.079 ppbv

RT: 3.858 min Scan# 1165

Delta R.T. 0.003 min

Lab File: VL041753.D

Acq: 16 Dec 2024 14:03

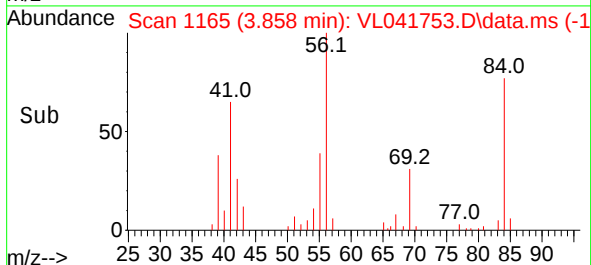
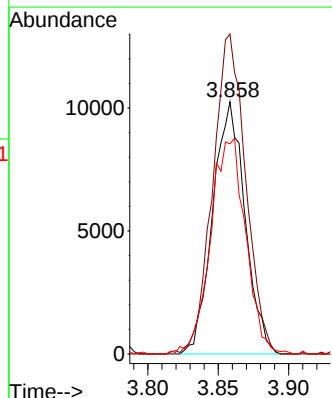
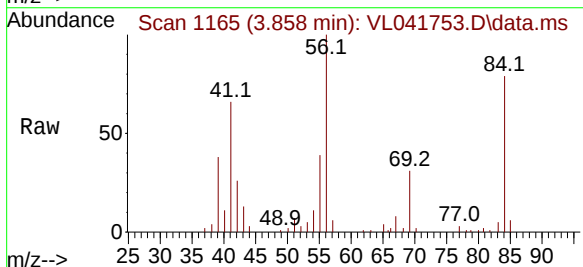
Tgt Ion: 84 Resp: 16384

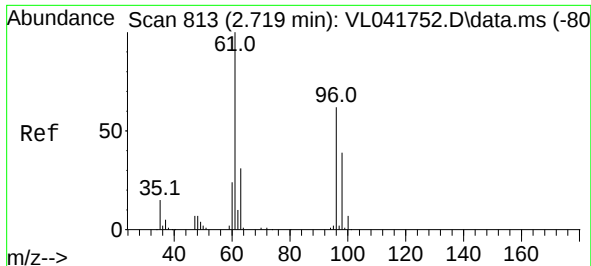
Ion Ratio Lower Upper

84 100

56 129.2 102.3 153.5

41 92.9 74.0 111.0

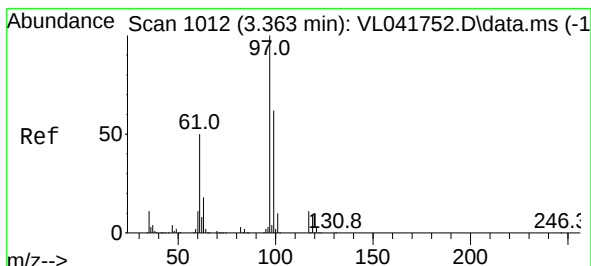
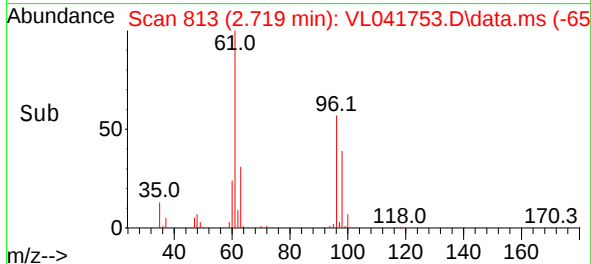
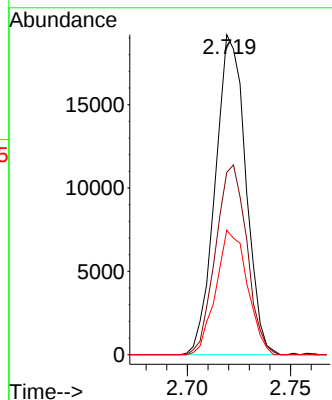
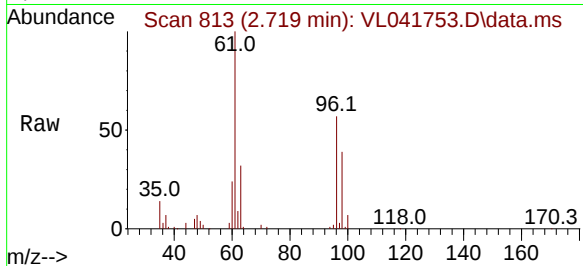




#31
 cis-1,2-Dichloroethene
 Concen: 2.057 ppbv
 RT: 2.719 min Scan# 813
 Delta R.T. -0.000 min
 Lab File: VL041753.D
 Acq: 16 Dec 2024 14:03

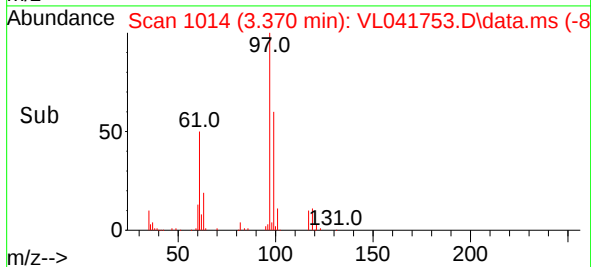
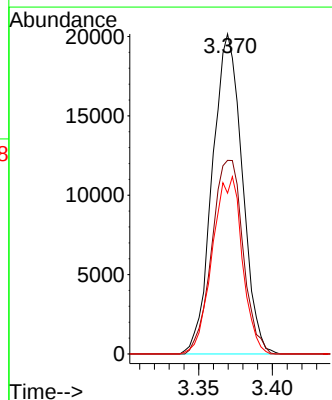
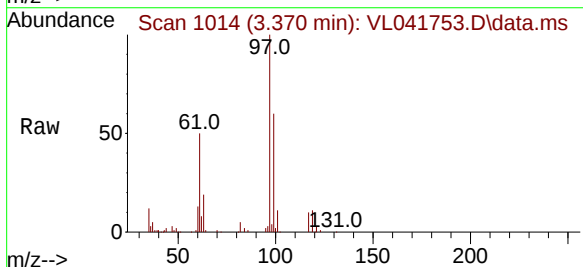
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC002

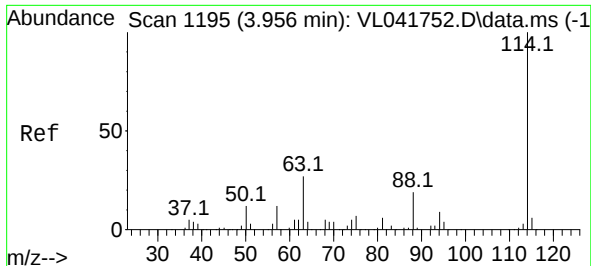
Tgt Ion: 61 Resp: 19688
 Ion Ratio Lower Upper
 61 100
 96 56.9 49.7 74.5
 98 38.9 30.8 46.2



#32
 1,1,1-Trichloroethane
 Concen: 2.017 ppbv
 RT: 3.370 min Scan# 1014
 Delta R.T. 0.006 min
 Lab File: VL041753.D
 Acq: 16 Dec 2024 14:03

Tgt Ion: 97 Resp: 28341
 Ion Ratio Lower Upper
 97 100
 99 63.3 51.0 76.4
 61 55.5 42.2 63.2





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.962 min Scan# 1197

Delta R.T. 0.006 min

Lab File: VL041753.D

Acq: 16 Dec 2024 14:03

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

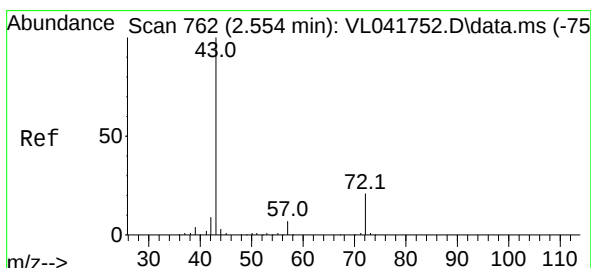
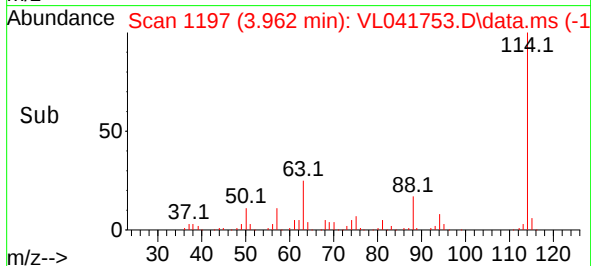
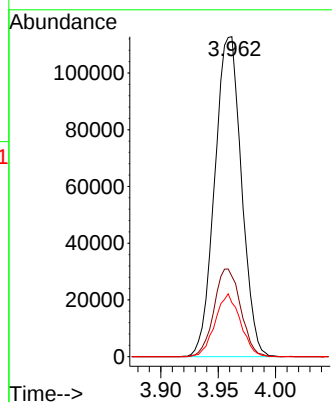
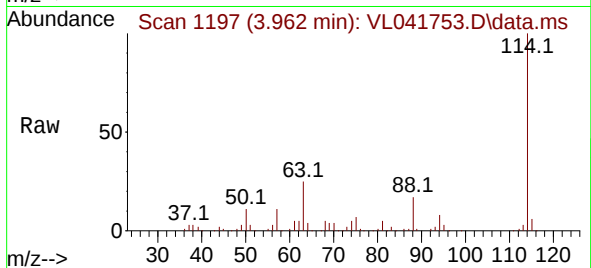
Tgt Ion:114 Resp: 182992

Ion Ratio Lower Upper

114 100

63 27.3 21.8 32.8

88 18.5 14.8 22.2



#34

2-Butanone

Concen: 2.138 ppbv

RT: 2.557 min Scan# 763

Delta R.T. 0.003 min

Lab File: VL041753.D

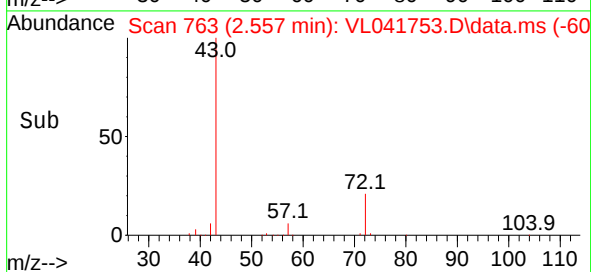
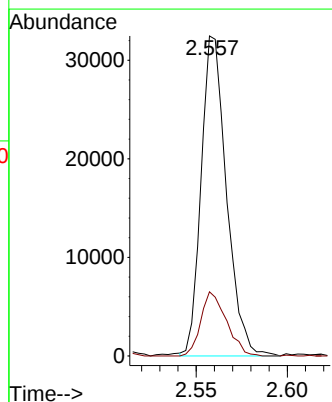
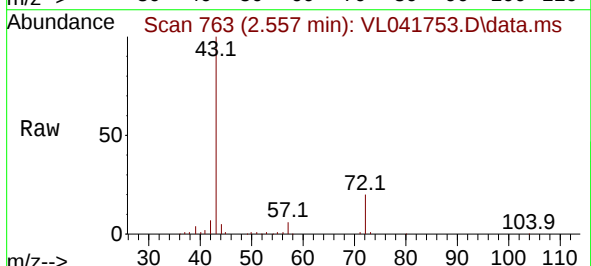
Acq: 16 Dec 2024 14:03

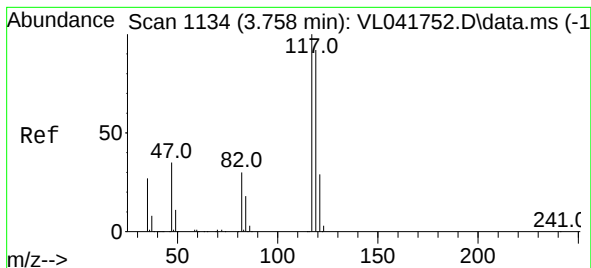
Tgt Ion: 43 Resp: 31483

Ion Ratio Lower Upper

43 100

72 20.4 16.8 25.2





#35

Carbon Tetrachloride

Concen: 2.134 ppbv

RT: 3.765 min Scan# 1136

Delta R.T. 0.006 min

Lab File: VL041753.D

Acq: 16 Dec 2024 14:03

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

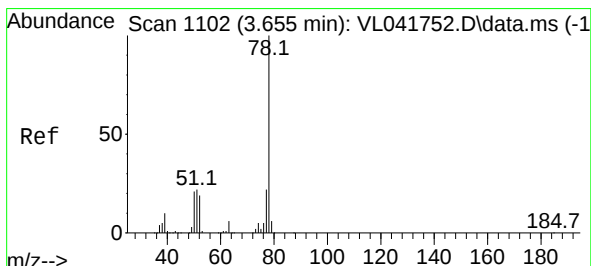
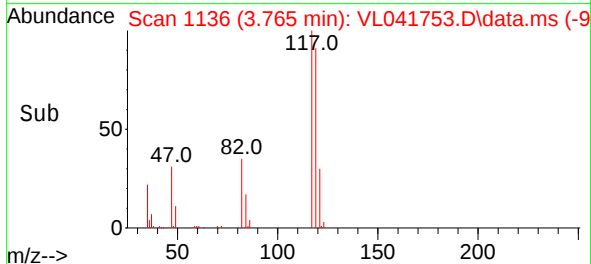
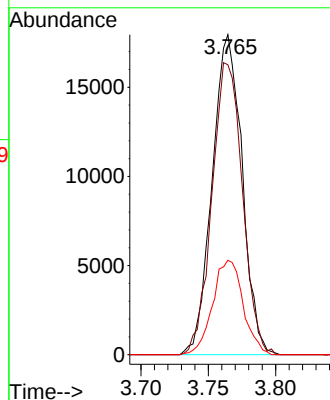
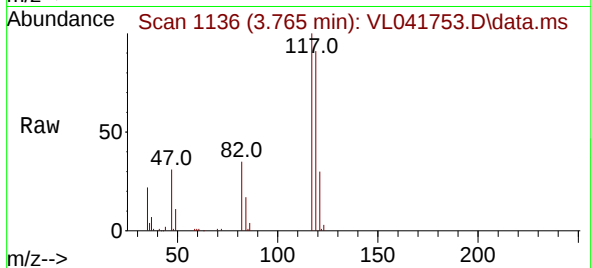
Tgt Ion:117 Resp: 27727

Ion Ratio Lower Upper

117 100

119 90.6 73.7 110.5

121 29.5 23.0 34.4



#36

Benzene

Concen: 2.048 ppbv

RT: 3.658 min Scan# 1103

Delta R.T. 0.003 min

Lab File: VL041753.D

Acq: 16 Dec 2024 14:03

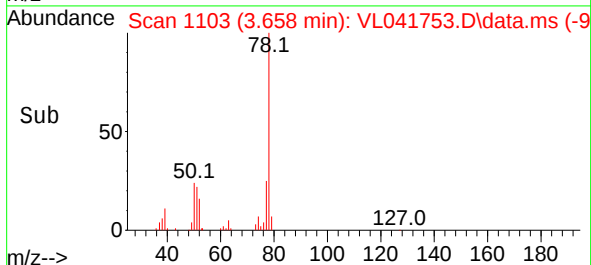
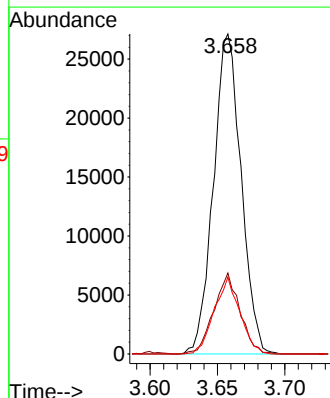
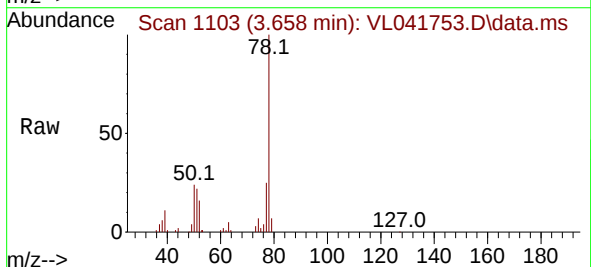
Tgt Ion: 78 Resp: 38759

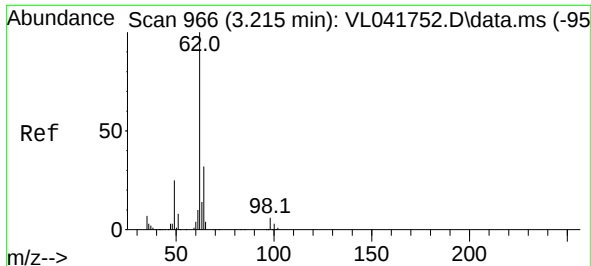
Ion Ratio Lower Upper

78 100

77 25.3 17.8 26.6

50 24.0 17.2 25.8





#37

1,2-Dichloroethane

Concen: 2.021 ppbv

RT: 3.221 min Scan# 9

Delta R.T. 0.006 min

Lab File: VL041753.D

Acq: 16 Dec 2024 14:03

Instrument :

MSVOA_L

ClientSampleId :

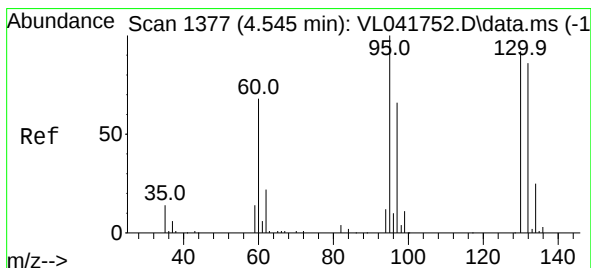
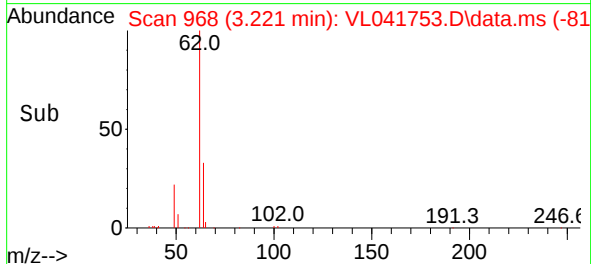
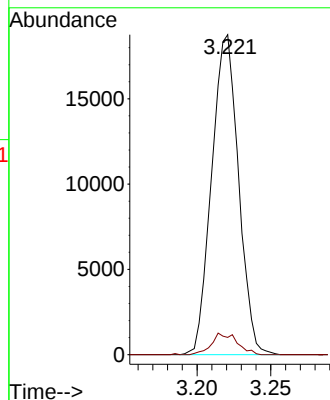
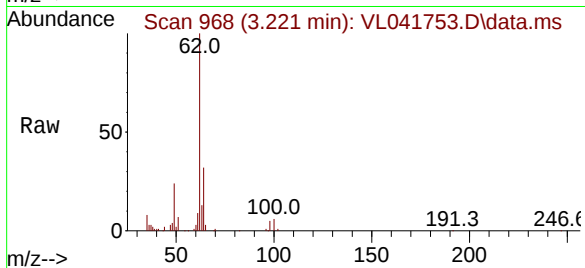
VSTDIC002

Tgt Ion: 62 Resp: 23800

Ion Ratio Lower Upper

62 100

98 6.4 4.7 7.1



#38

Trichloroethene

Concen: 1.965 ppbv

RT: 4.548 min Scan# 1378

Delta R.T. 0.003 min

Lab File: VL041753.D

Acq: 16 Dec 2024 14:03

Tgt Ion:130 Resp: 15660

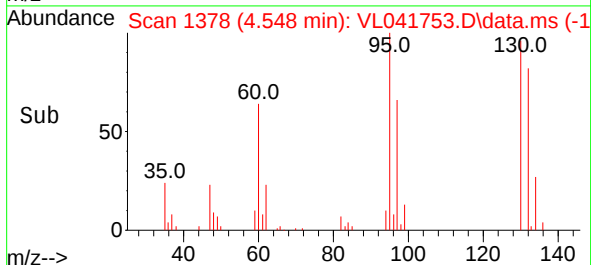
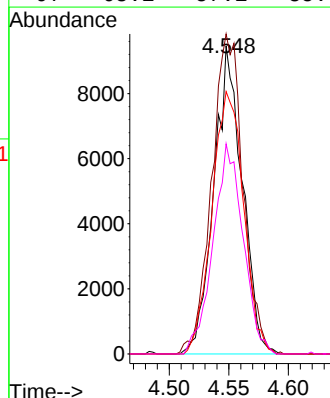
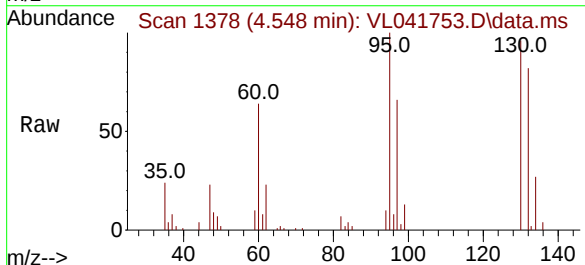
Ion Ratio Lower Upper

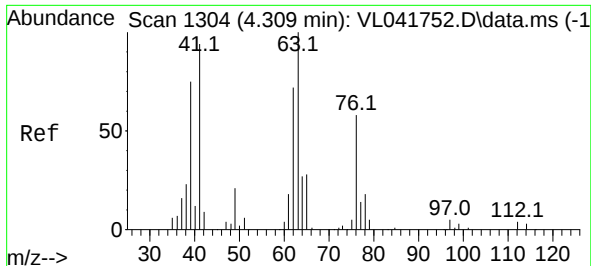
130 100

95 103.3 87.0 130.6

132 85.2 75.0 112.6

97 68.2 57.2 85.8





#39

1,2-Dichloropropane

Concen: 2.074 ppbv

RT: 4.315 min Scan# 14

Delta R.T. 0.006 min

Lab File: VL041753.D

Acq: 16 Dec 2024 14:03

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC002

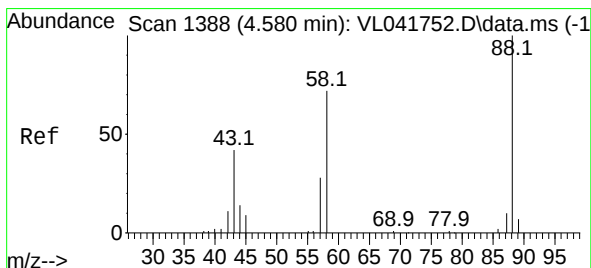
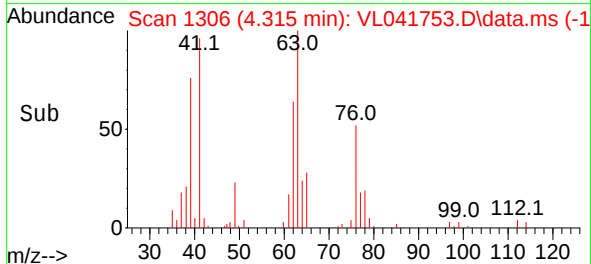
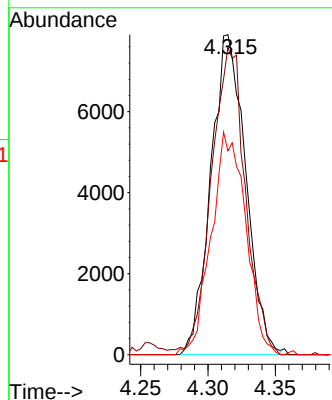
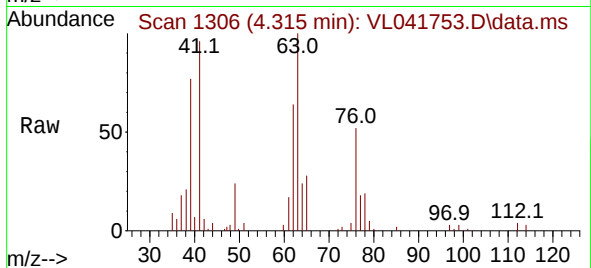
Tgt Ion: 63 Resp: 14197

Ion Ratio Lower Upper

63 100

41 95.9 75.3 112.9

62 62.4 57.3 85.9



#40

1,4-Dioxane

Concen: 0.920 ppbv

RT: 4.596 min Scan# 1393

Delta R.T. 0.016 min

Lab File: VL041753.D

Acq: 16 Dec 2024 14:03

Tgt Ion: 88 Resp: 3078

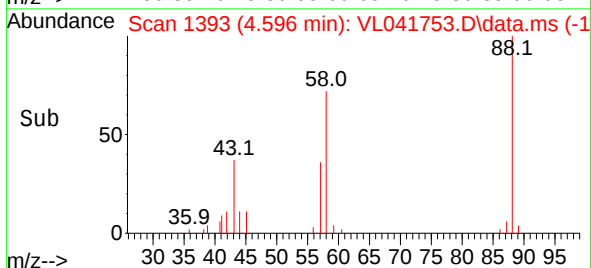
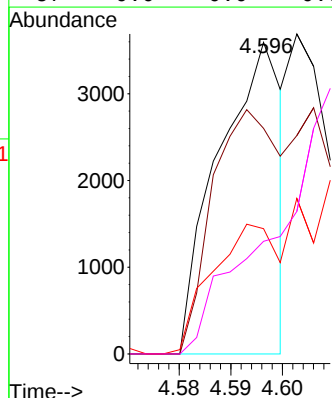
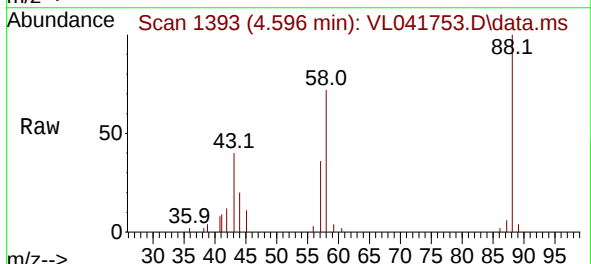
Ion Ratio Lower Upper

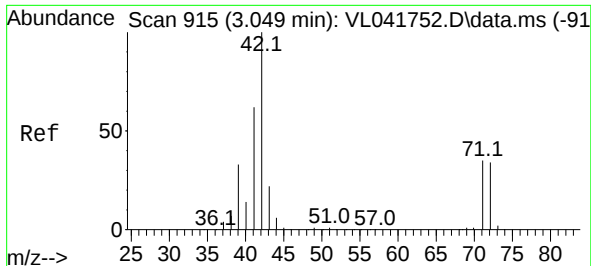
88 100

58 0.0 61.0 91.6#

43 0.0 29.4 44.0#

57 0.0 0.0 0.0





#41

Tetrahydrofuran

Concen: 2.021 ppbv

RT: 3.059 min Scan# 91

Delta R.T. 0.009 min

Lab File: VL041753.D

Acq: 16 Dec 2024 14:03

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

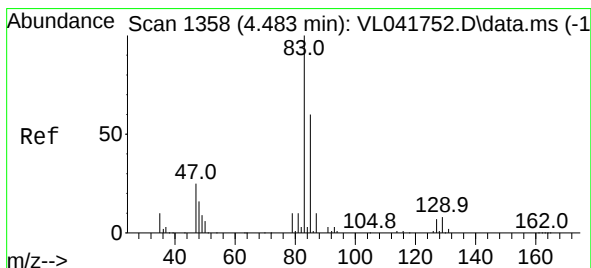
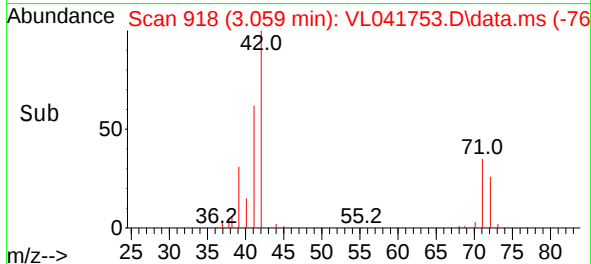
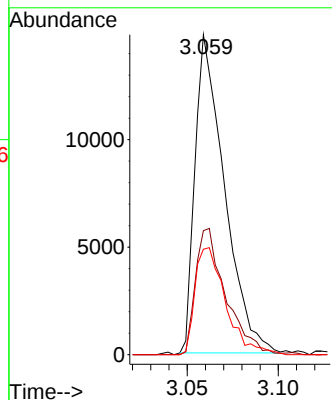
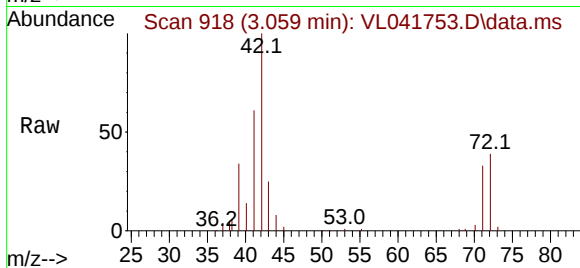
Tgt Ion: 42 Resp: 16665

Ion Ratio Lower Upper

42 100

72 40.7 29.1 43.7

71 34.9 28.4 42.6



#42

Bromodichloromethane

Concen: 1.972 ppbv

RT: 4.489 min Scan# 1360

Delta R.T. 0.006 min

Lab File: VL041753.D

Acq: 16 Dec 2024 14:03

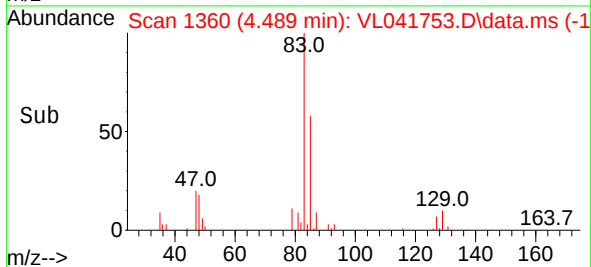
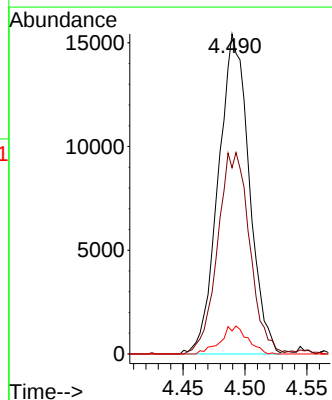
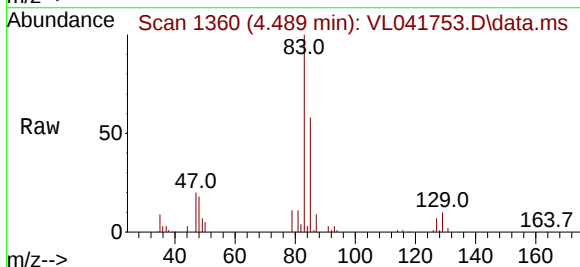
Tgt Ion: 83 Resp: 26716

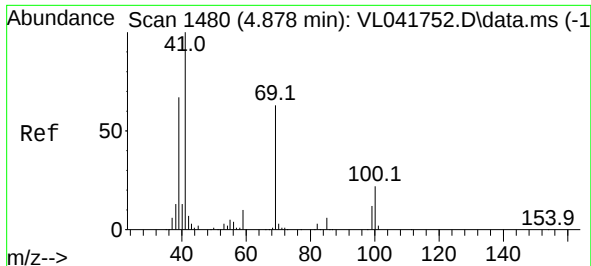
Ion Ratio Lower Upper

83 100

85 58.2 48.0 72.0

127 7.2 5.8 8.8





#43

Methyl Methacrylate

Concen: 2.059 ppbv

RT: 4.884 min Scan# 1480

Delta R.T. 0.006 min

Lab File: VL041753.D

Acq: 16 Dec 2024 14:03

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

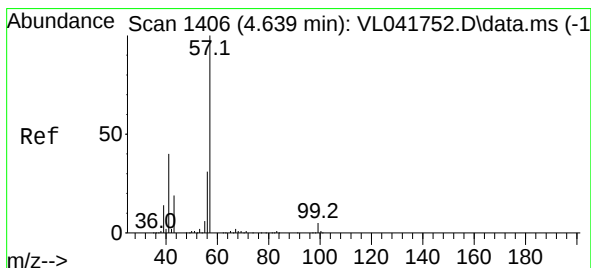
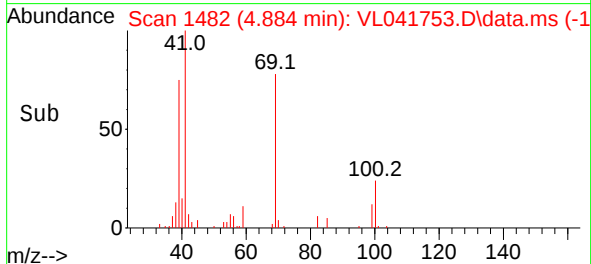
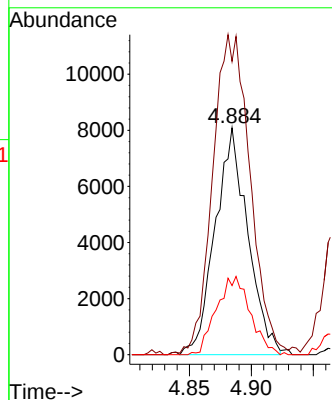
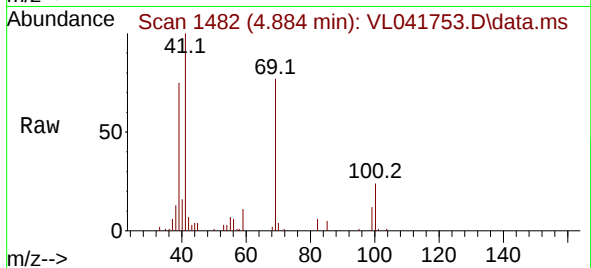
Tgt Ion: 69 Resp: 14849

Ion Ratio Lower Upper

69 100

41 162.7 130.3 195.5

100 35.7 28.3 42.5



#44

2,2,4-Trimethylpentane

Concen: 2.086 ppbv

RT: 4.642 min Scan# 1407

Delta R.T. 0.003 min

Lab File: VL041753.D

Acq: 16 Dec 2024 14:03

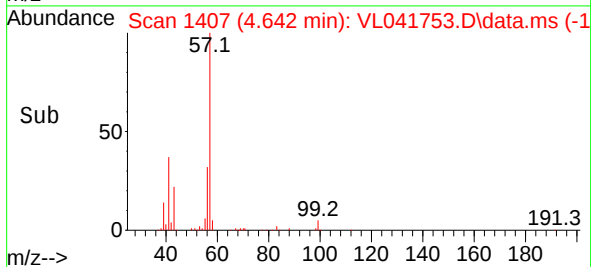
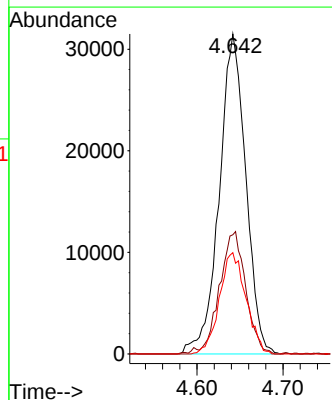
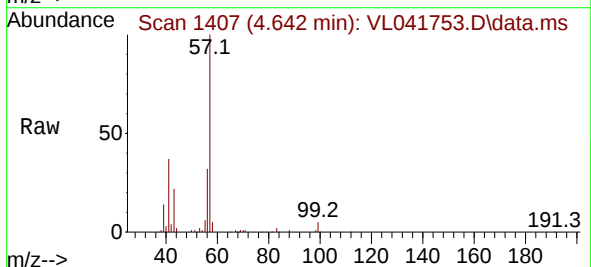
Tgt Ion: 57 Resp: 67432

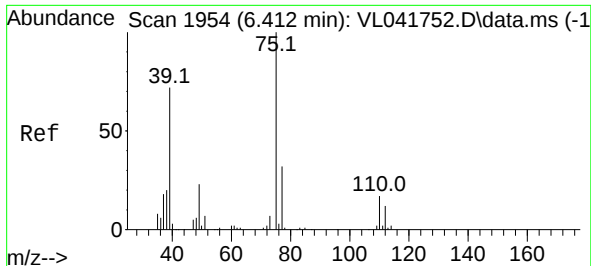
Ion Ratio Lower Upper

57 100

41 37.9 30.7 46.1

56 31.7 25.4 38.0





#45

t-1,3-Dichloropropene

Concen: 1.995 ppbv

RT: 6.415 min Scan# 1954

Delta R.T. 0.003 min

Lab File: VL041753.D

Acq: 16 Dec 2024 14:03

Instrument :

MSVOA_1

ClientSampleId :

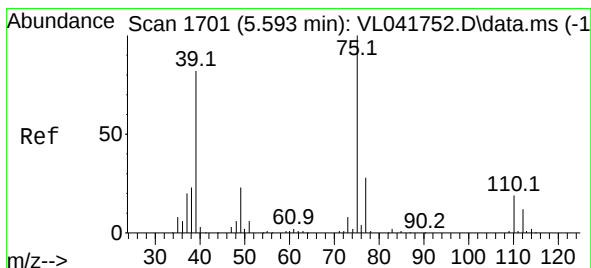
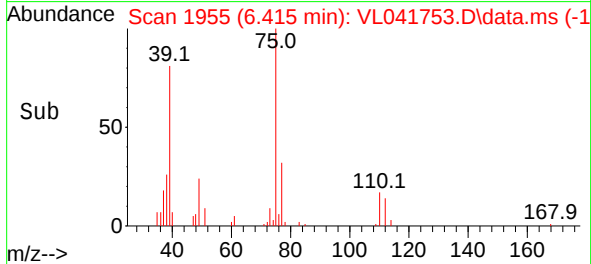
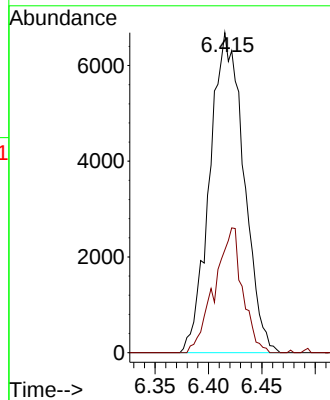
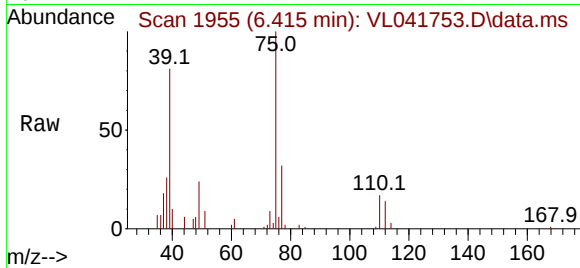
VSTDIC002

Tgt Ion: 75 Resp: 14885

Ion Ratio Lower Upper

75 100

77 32.1 25.9 38.9



#46

cis-1,3-Dichloropropene

Concen: 0.763 ppbv

RT: 5.593 min Scan# 1701

Delta R.T. -0.000 min

Lab File: VL041753.D

Acq: 16 Dec 2024 14:03

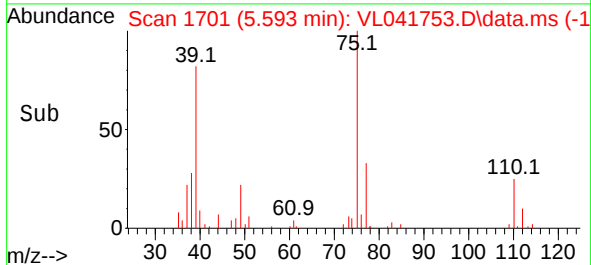
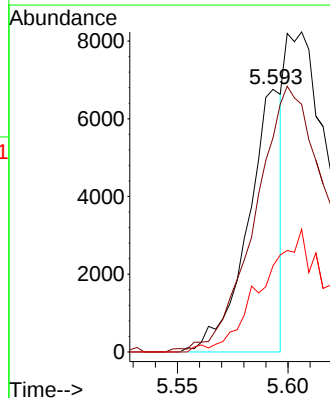
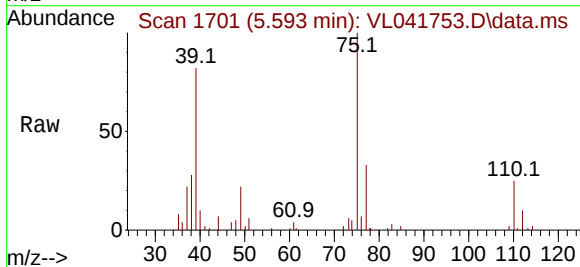
Tgt Ion: 75 Resp: 7224

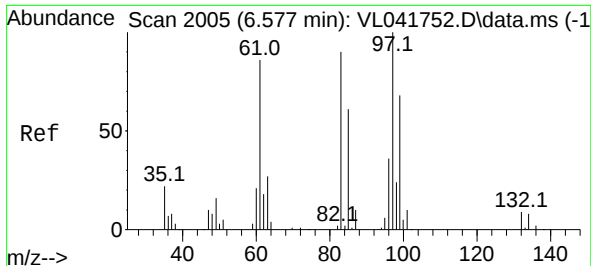
Ion Ratio Lower Upper

75 100

39 80.2 65.2 97.8

77 32.8 22.0 33.0





#47

1,1,2-Trichloroethane

Concen: 2.078 ppbv

RT: 6.584 min Scan# 2005

Delta R.T. 0.006 min

Lab File: VL041753.D

Acq: 16 Dec 2024 14:03

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tgt Ion: 97 Resp: 14858

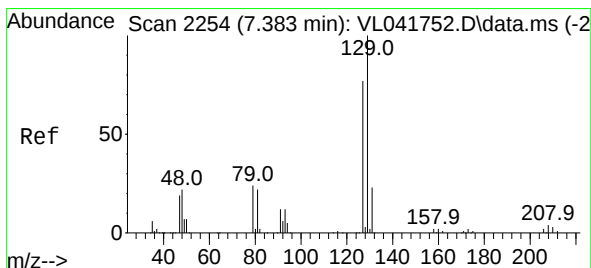
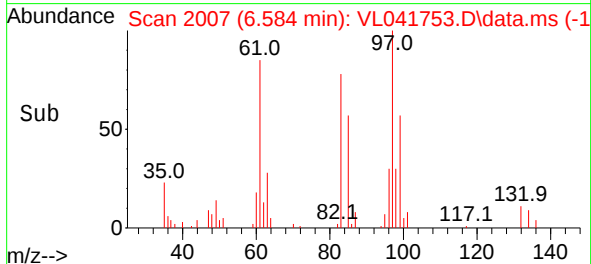
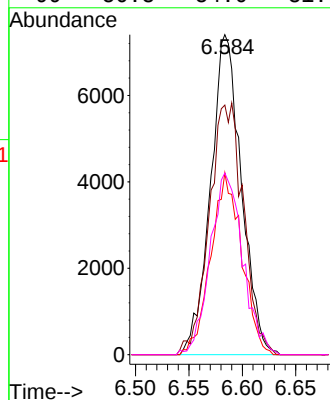
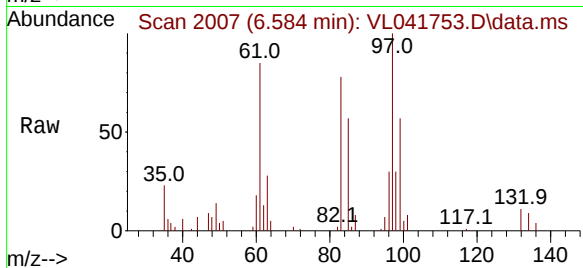
Ion Ratio Lower Upper

97 100

83 78.0 72.3 108.5

85 56.8 48.5 72.7

99 56.8 54.0 81.0



#48

Dibromochloromethane

Concen: 2.024 ppbv

RT: 7.390 min Scan# 2256

Delta R.T. 0.006 min

Lab File: VL041753.D

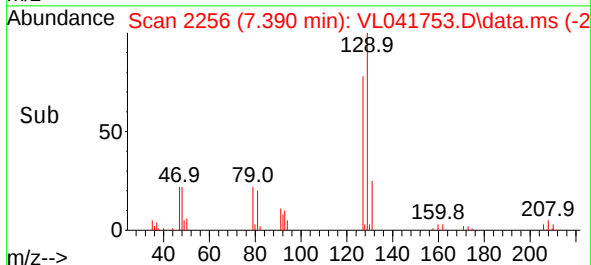
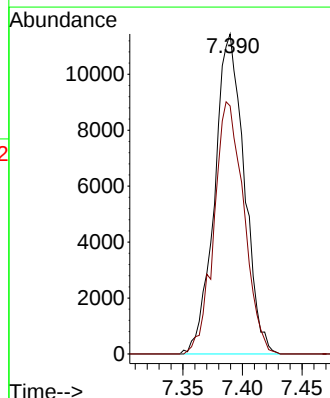
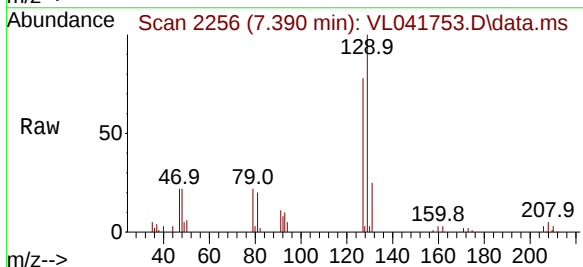
Acq: 16 Dec 2024 14:03

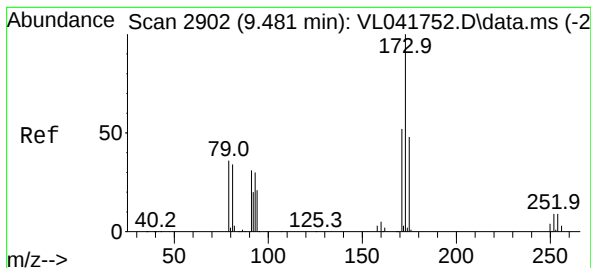
Tgt Ion: 129 Resp: 19764

Ion Ratio Lower Upper

129 100

127 79.1 38.8 116.3





#49

Bromoform

Concen: 2.027 ppbv

RT: 9.484 min Scan# 2902

Delta R.T. 0.003 min

Lab File: VL041753.D

Acq: 16 Dec 2024 14:03

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC002

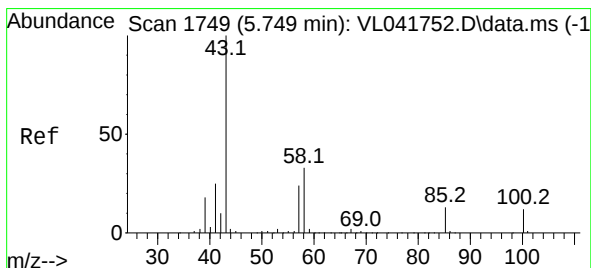
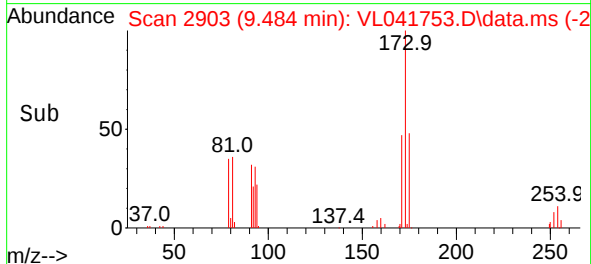
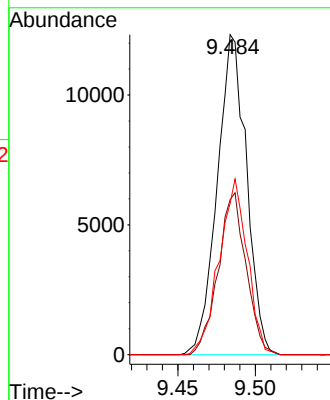
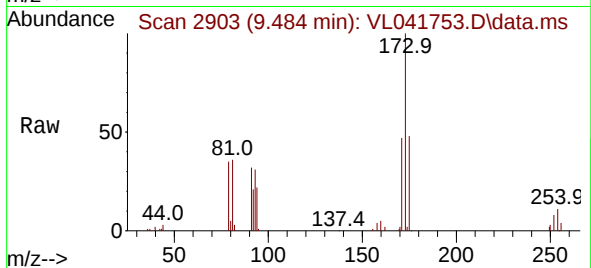
Tgt Ion:173 Resp: 16200

Ion Ratio Lower Upper

173 100

175 48.5 38.2 57.2

171 52.9 41.1 61.7



#50

4-Methyl-2-Pentanone

Concen: 2.098 ppbv

RT: 5.758 min Scan# 1752

Delta R.T. 0.009 min

Lab File: VL041753.D

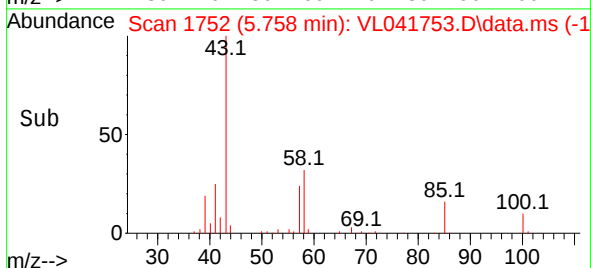
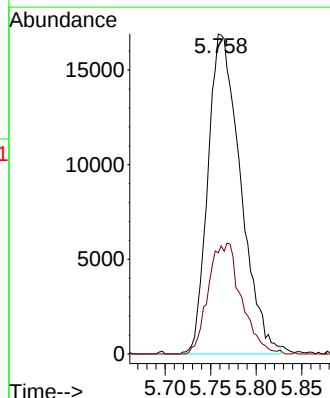
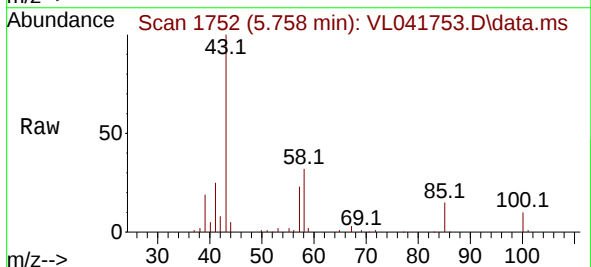
Acq: 16 Dec 2024 14:03

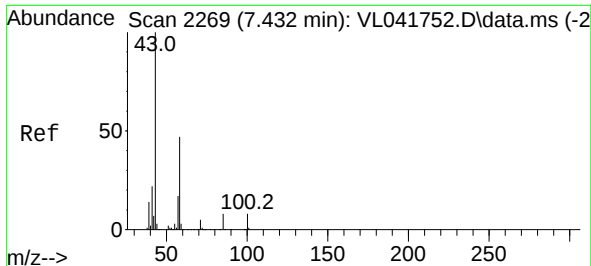
Tgt Ion: 43 Resp: 42045

Ion Ratio Lower Upper

43 100

58 35.1 26.8 40.2

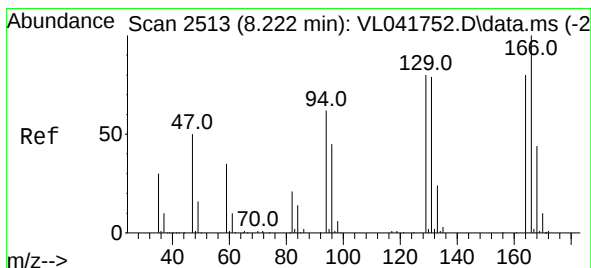
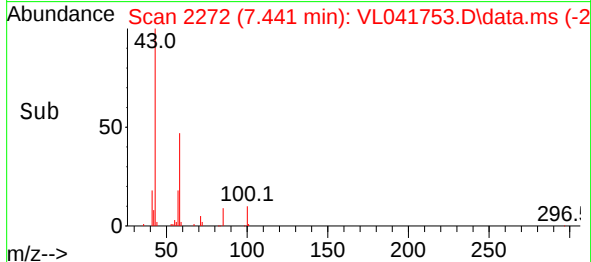
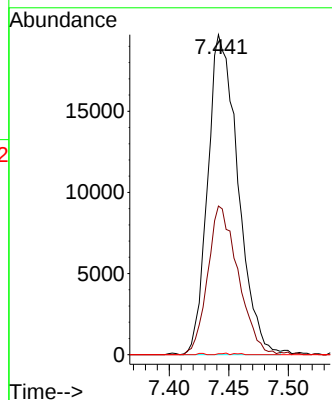
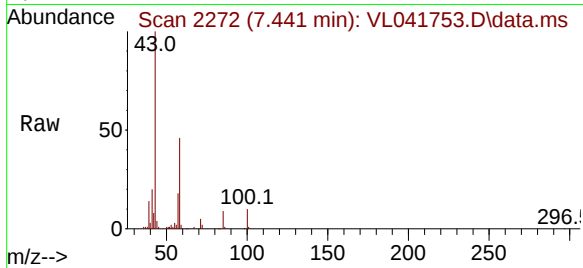




#51
2-Hexanone
Concen: 2.147 ppbv
RT: 7.441 min Scan# 21
Delta R.T. 0.009 min
Lab File: VL041753.D
Acq: 16 Dec 2024 14:03

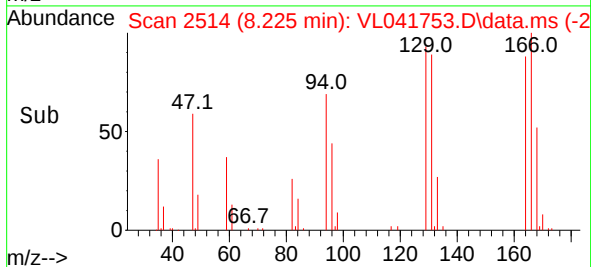
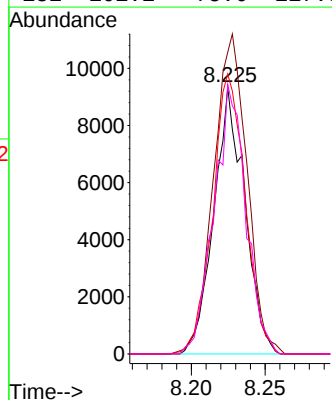
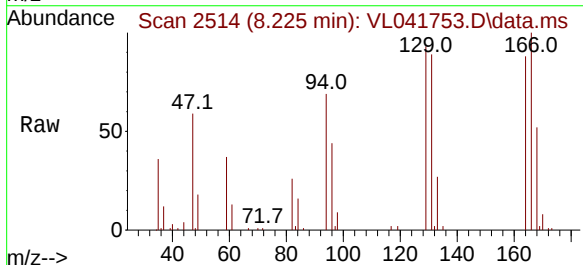
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

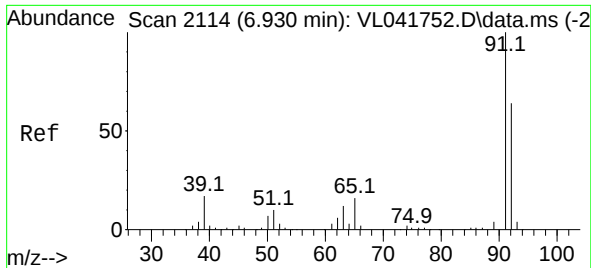
Tgt Ion: 43 Resp: 34878
Ion Ratio Lower Upper
43 100
58 46.8 36.6 55.0
98 0.3 0.1 0.1#



#52
Tetrachloroethene
Concen: 1.932 ppbv
RT: 8.225 min Scan# 2514
Delta R.T. 0.003 min
Lab File: VL041753.D
Acq: 16 Dec 2024 14:03

Tgt Ion: 164 Resp: 13612
Ion Ratio Lower Upper
164 100
166 111.9 99.8 149.6
129 104.9 79.6 119.4
131 101.1 78.6 117.8





#53

Toluene

Concen: 2.072 ppbv

RT: 6.933 min Scan# 2114

Delta R.T. 0.003 min

Lab File: VL041753.D

Acq: 16 Dec 2024 14:03

Instrument :

MSVOA_L

ClientSampleId :

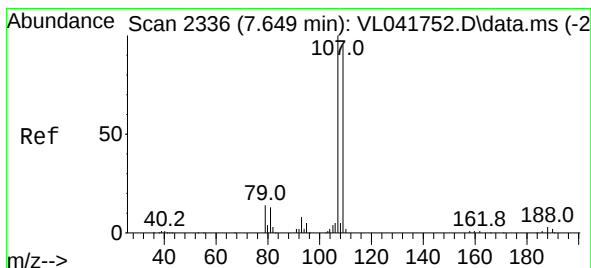
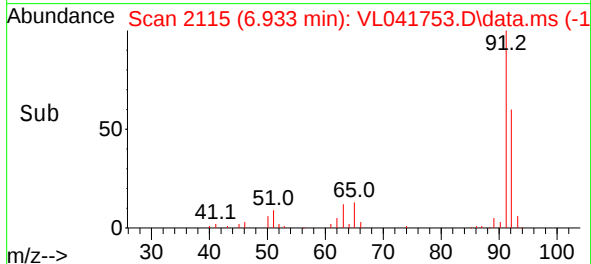
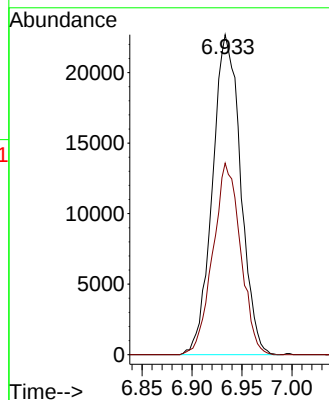
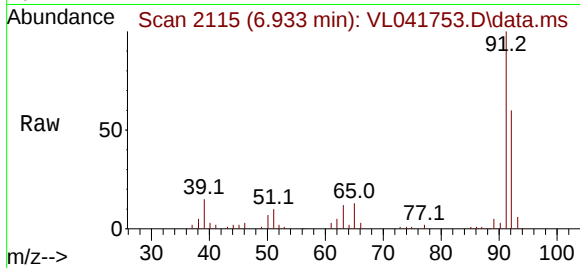
VSTDIC002

Tgt Ion: 91 Resp: 44470

Ion Ratio Lower Upper

91 100

92 58.8 47.9 71.9



#54

1,2-Dibromoethane

Concen: 2.012 ppbv

RT: 7.655 min Scan# 2338

Delta R.T. 0.006 min

Lab File: VL041753.D

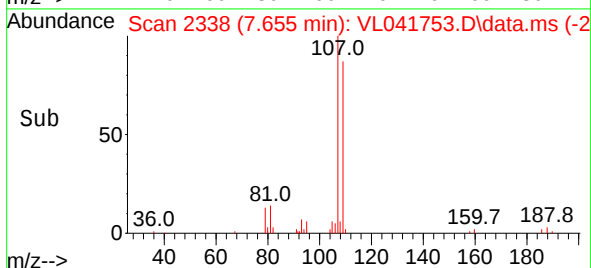
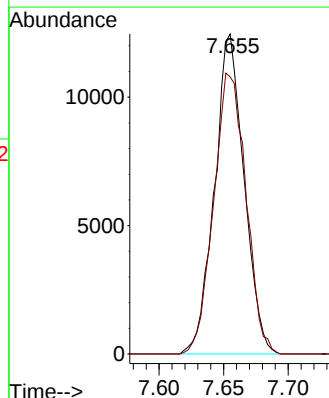
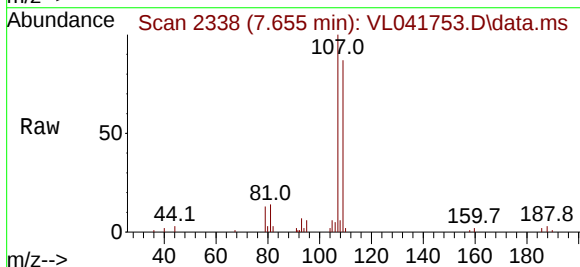
Acq: 16 Dec 2024 14:03

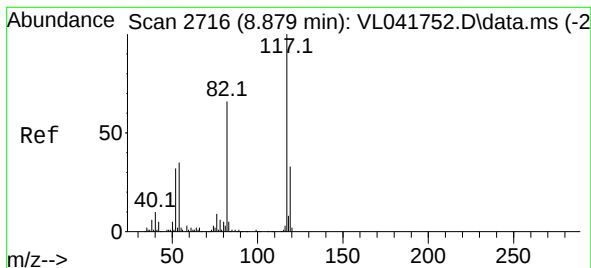
Tgt Ion: 107 Resp: 19820

Ion Ratio Lower Upper

107 100

109 86.6 75.9 113.9





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.882 min Scan# 2717

Delta R.T. 0.003 min

Lab File: VL041753.D

Acq: 16 Dec 2024 14:03

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

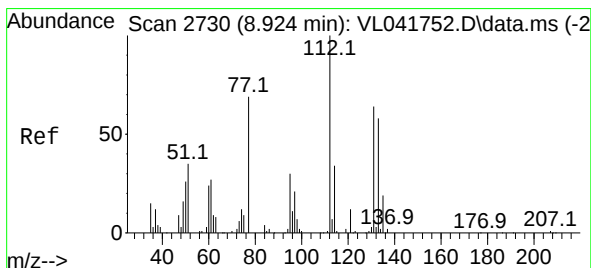
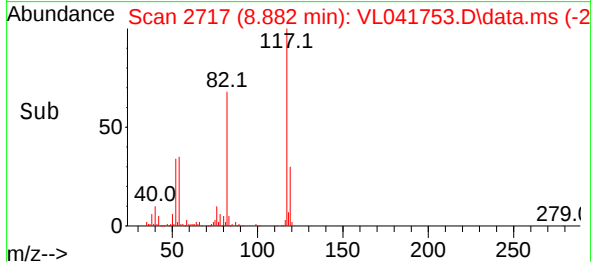
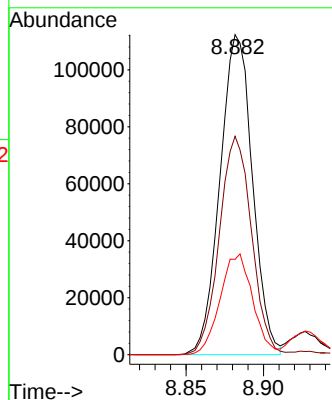
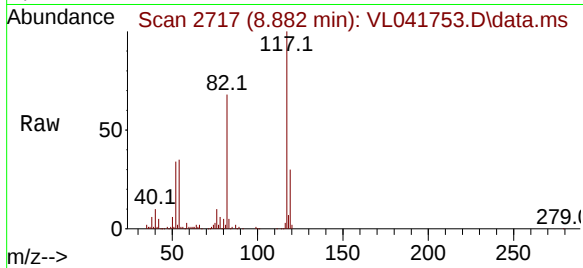
Tgt Ion:117 Resp: 163971

Ion Ratio Lower Upper

117 100

82 68.5 53.8 80.8

119 31.5 26.7 40.1



#56

1,1,1,2-Tetrachloroethane

Concen: 2.141 ppbv

RT: 8.924 min Scan# 2730

Delta R.T. -0.000 min

Lab File: VL041753.D

Acq: 16 Dec 2024 14:03

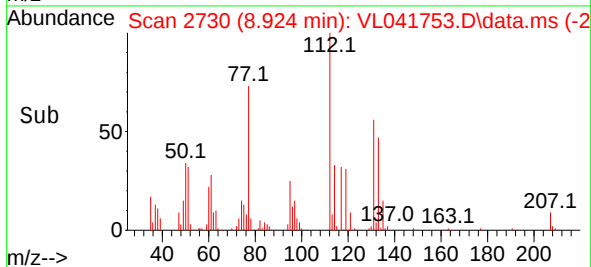
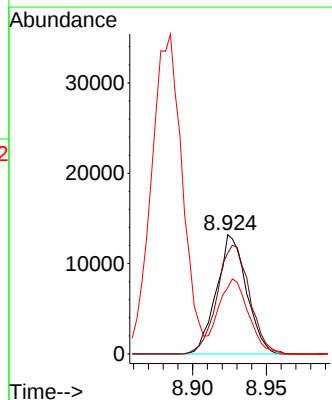
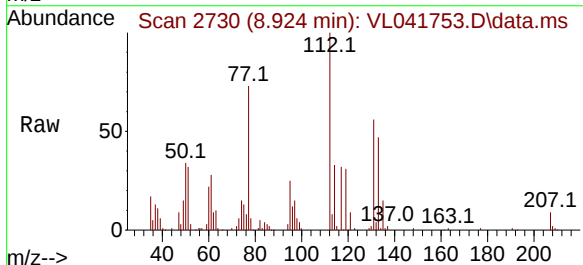
Tgt Ion:131 Resp: 18613

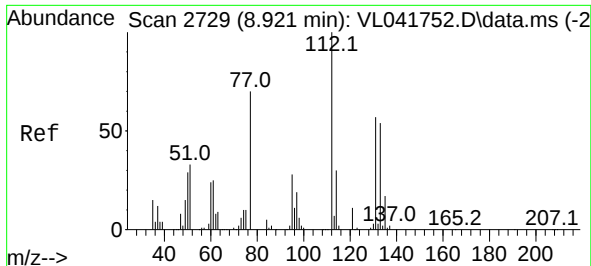
Ion Ratio Lower Upper

131 100

133 99.0 76.8 115.2

119 61.3 49.0 73.6





#57

Chlorobenzene

Concen: 2.127 ppbv

RT: 8.920 min Scan# 21

Delta R.T. -0.000 min

Lab File: VL041753.D

Acq: 16 Dec 2024 14:03

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC002

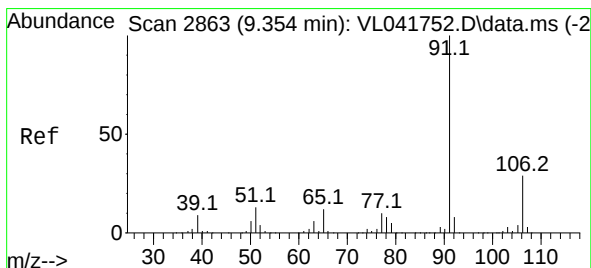
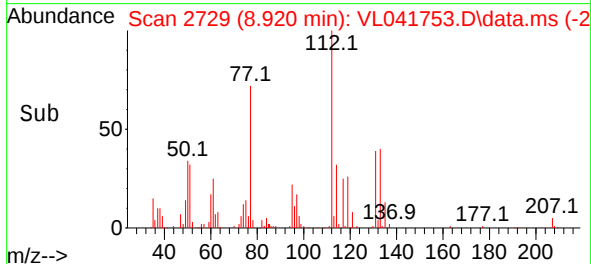
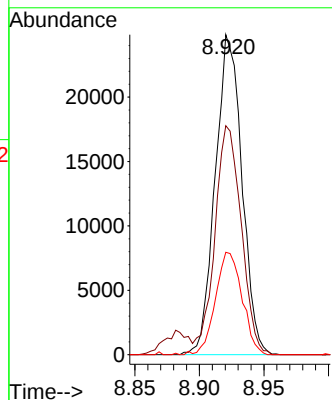
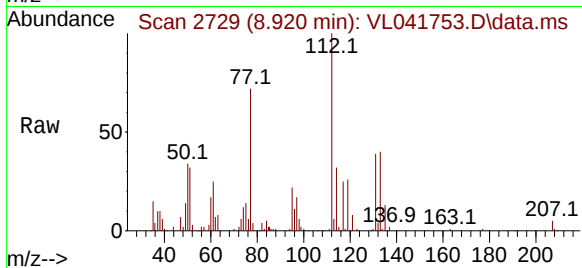
Tgt Ion:112 Resp: 35685

Ion Ratio Lower Upper

112 100

77 71.6 57.4 86.0

114 32.0 27.4 33.4



#58

Ethyl Benzene

Concen: 2.145 ppbv

RT: 9.354 min Scan# 2863

Delta R.T. -0.000 min

Lab File: VL041753.D

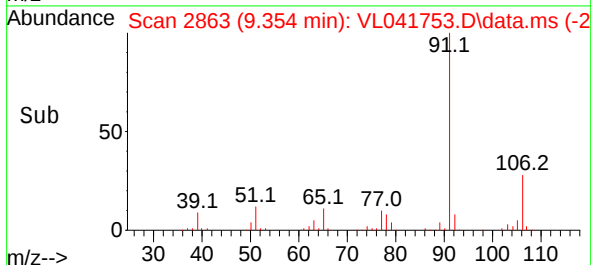
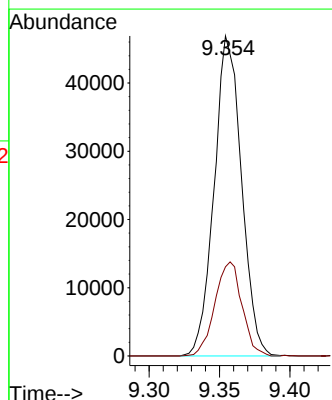
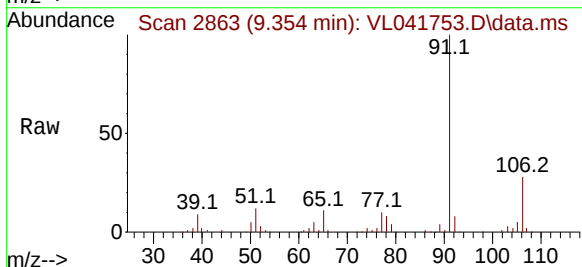
Acq: 16 Dec 2024 14:03

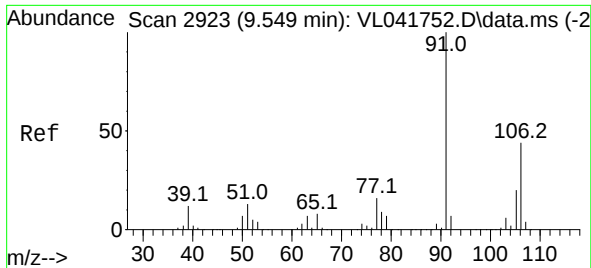
Tgt Ion: 91 Resp: 63316

Ion Ratio Lower Upper

91 100

106 27.8 23.5 35.3





#59

m/p-Xylene

Concen: 2.060 ppbv

RT: 9.555 min Scan# 2923

Delta R.T. 0.006 min

Lab File: VL041753.D

Acq: 16 Dec 2024 14:03

Instrument :

MSVOA_1

ClientSampleId :

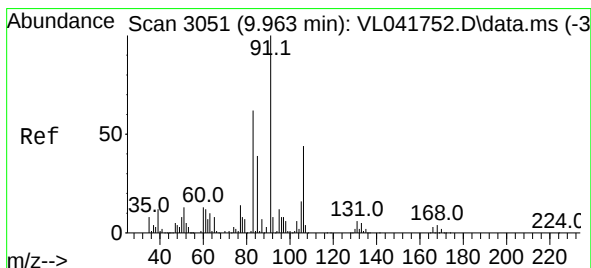
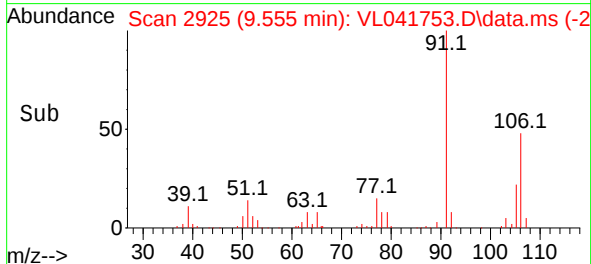
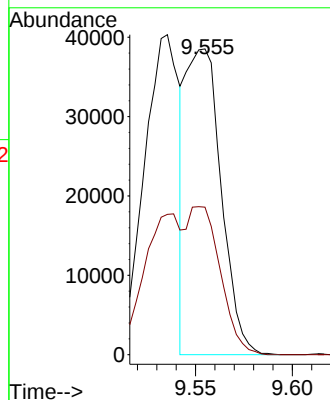
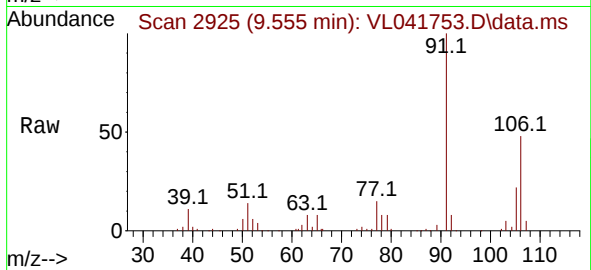
VSTDIC002

Tgt Ion: 91 Resp: 48921

Ion Ratio Lower Upper

91 100

106 94.6 0.0 0.0#



#60

o-Xylene

Concen: 2.149 ppbv

RT: 9.966 min Scan# 3052

Delta R.T. 0.003 min

Lab File: VL041753.D

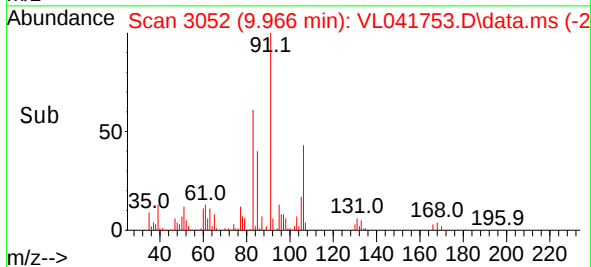
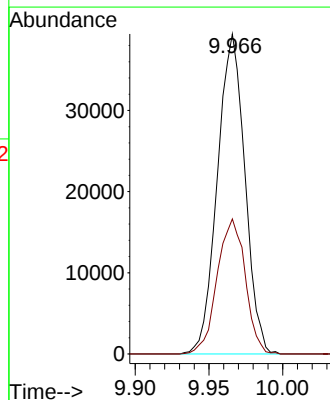
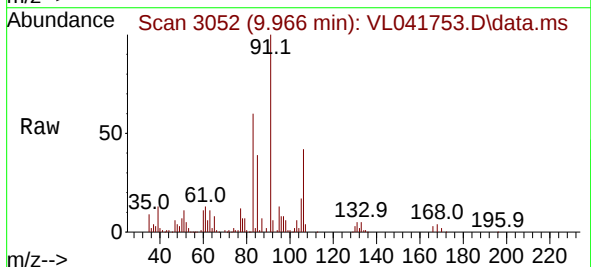
Acq: 16 Dec 2024 14:03

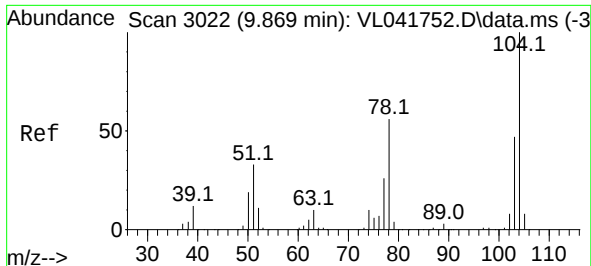
Tgt Ion: 91 Resp: 51152

Ion Ratio Lower Upper

91 100

106 43.1 21.1 63.4





#61

Styrene

Concen: 2.025 ppbv

RT: 9.872 min Scan# 3022

Delta R.T. 0.003 min

Lab File: VL041753.D

Acq: 16 Dec 2024 14:03

Instrument :

MSVOA_1

ClientSampleId :

VSTDICC002

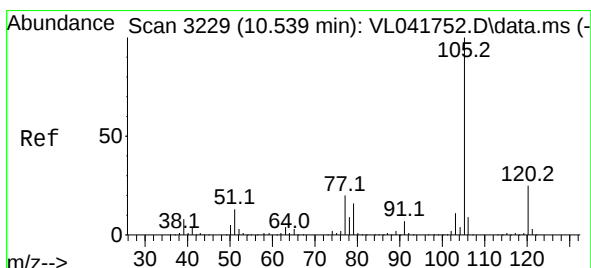
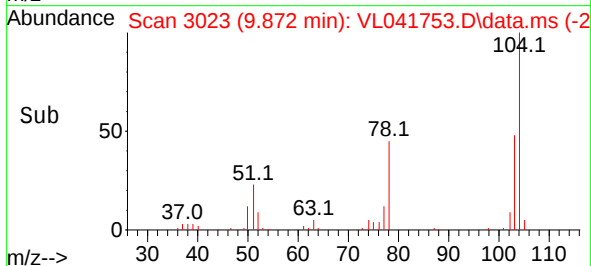
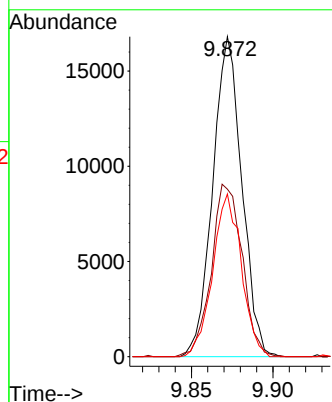
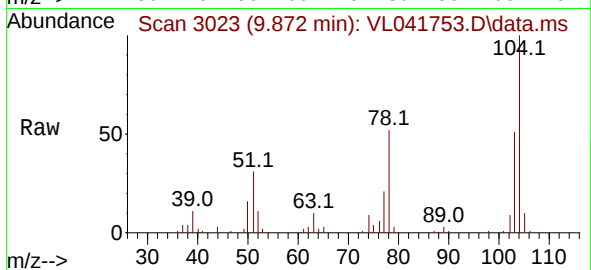
Tgt Ion:104 Resp: 20842

Ion Ratio Lower Upper

104 100

78 56.9 43.8 65.6

103 50.2 37.8 56.6



#62

Isopropylbenzene

Concen: 2.103 ppbv

RT: 10.539 min Scan# 3229

Delta R.T. -0.000 min

Lab File: VL041753.D

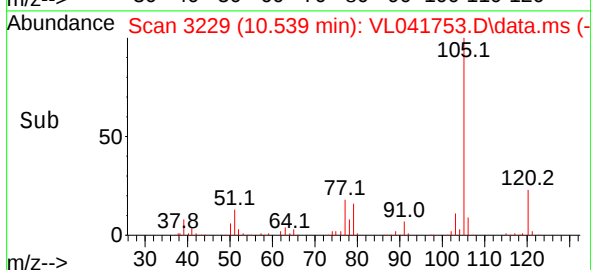
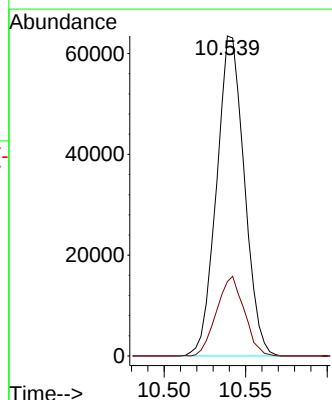
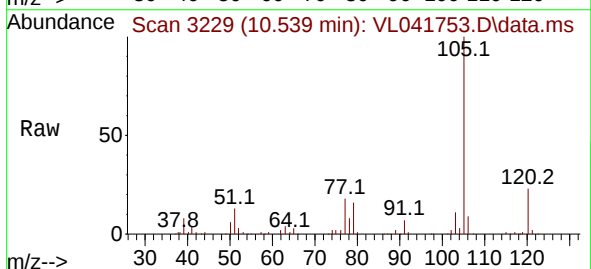
Acq: 16 Dec 2024 14:03

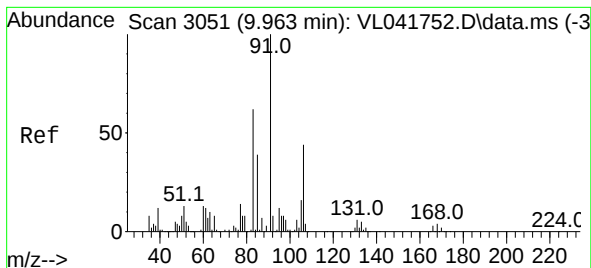
Tgt Ion:105 Resp: 75206

Ion Ratio Lower Upper

105 100

120 24.8 19.8 29.8





#63

1,1,2,2-Tetrachloroethane

Concen: 1.997 ppbv

RT: 9.966 min Scan# 3051

Delta R.T. 0.003 min

Lab File: VL041753.D

Acq: 16 Dec 2024 14:03

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

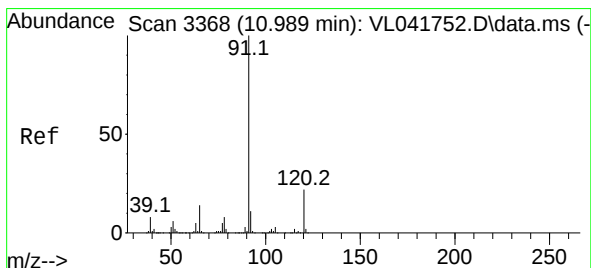
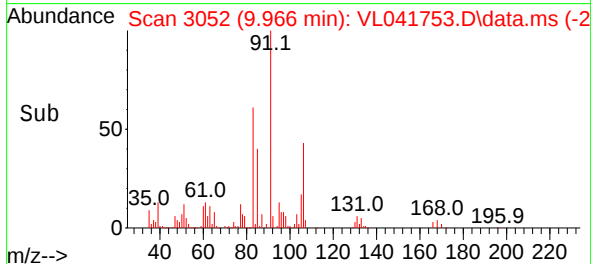
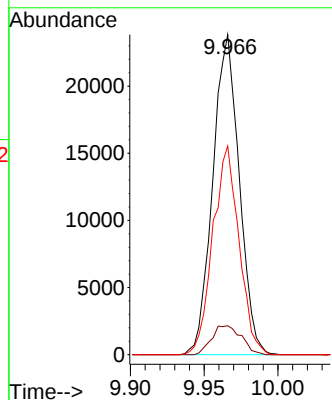
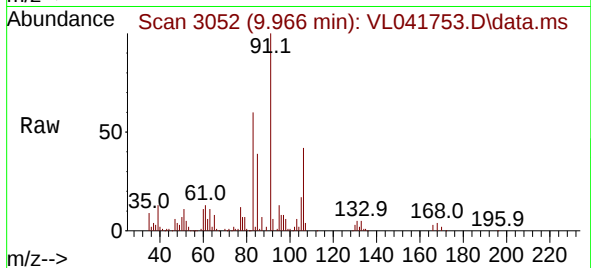
Tgt Ion: 83 Resp: 29751

Ion Ratio Lower Upper

83 100

131 10.2 4.9 14.7

85 64.4 32.0 96.2



#64

n-propylbenzene

Concen: 2.117 ppbv

RT: 10.992 min Scan# 3369

Delta R.T. 0.003 min

Lab File: VL041753.D

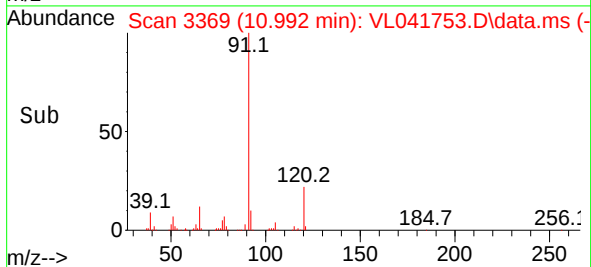
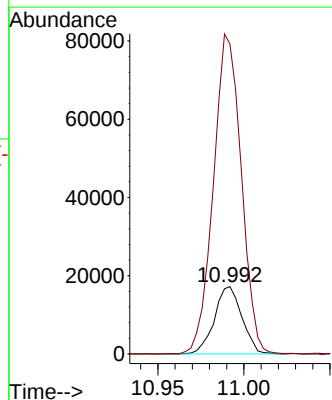
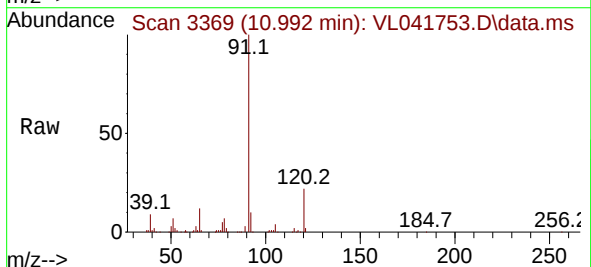
Acq: 16 Dec 2024 14:03

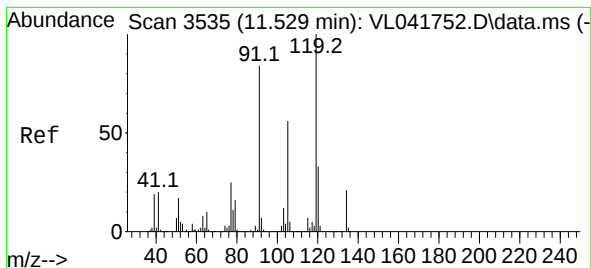
Tgt Ion:120 Resp: 19146

Ion Ratio Lower Upper

120 100

91 482.0 387.3 580.9





#65

tert-Butylbenzene

Concen: 2.135 ppbv

RT: 11.532 min Scan# 3536

Delta R.T. 0.003 min

Lab File: VL041753.D

Acq: 16 Dec 2024 14:03

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

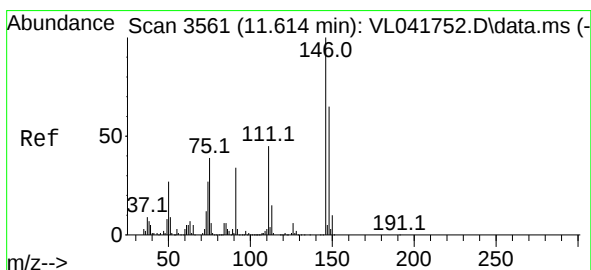
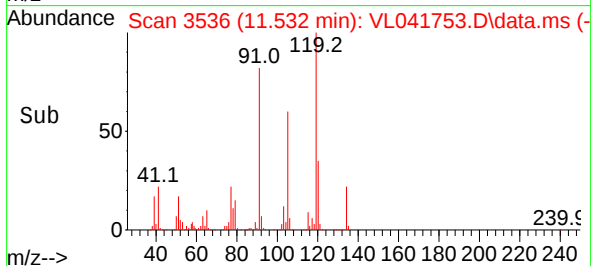
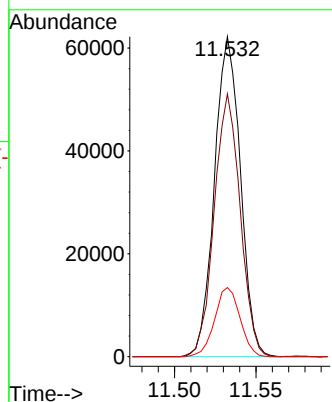
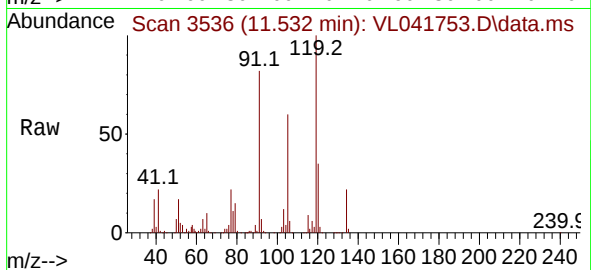
Tgt Ion:119 Resp: 68879

Ion Ratio Lower Upper

119 100

91 82.1 67.0 100.4

134 21.1 16.5 24.7



#66

Benzyl Chloride

Concen: 1.898 ppbv

RT: 11.617 min Scan# 3562

Delta R.T. 0.003 min

Lab File: VL041753.D

Acq: 16 Dec 2024 14:03

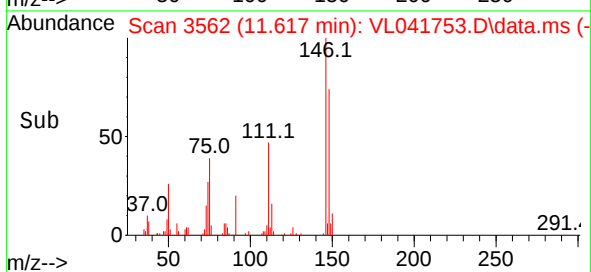
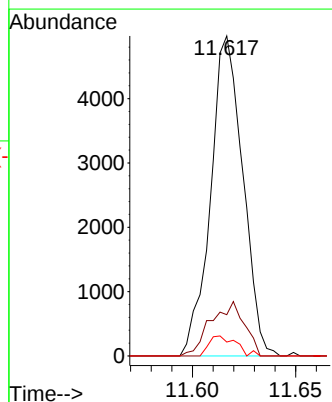
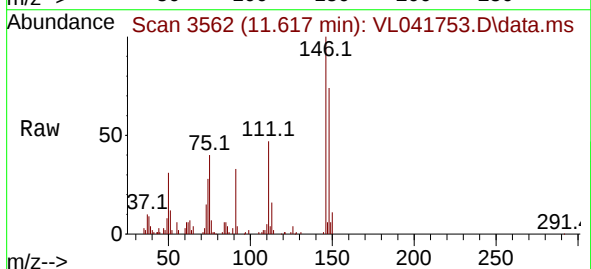
Tgt Ion: 91 Resp: 5400

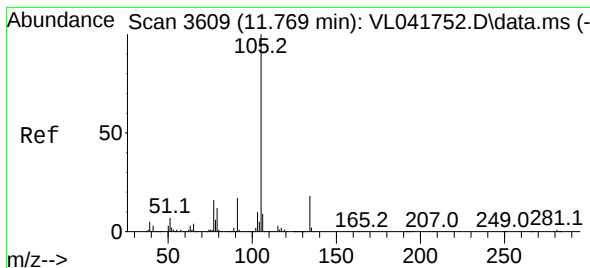
Ion Ratio Lower Upper

91 100

126 17.7 13.9 20.9

128 5.3 4.4 6.6





#67

sec-Butylbenzene

Concen: 2.149 ppbv

RT: 11.769 min Scan# 3179

Delta R.T. -0.000 min

Lab File: VL041753.D

Acq: 16 Dec 2024 14:03

Instrument :

MSVOA_1

ClientSampleId :

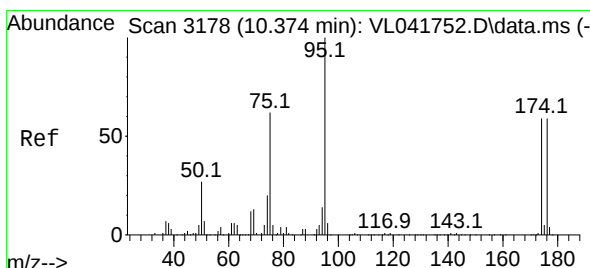
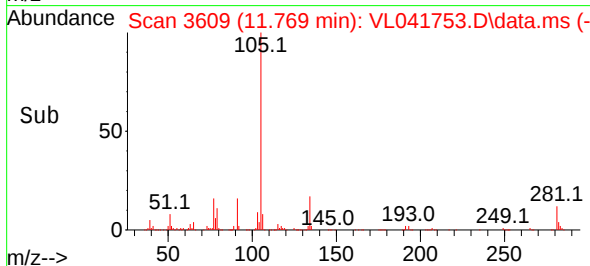
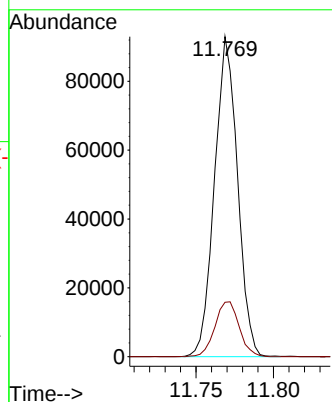
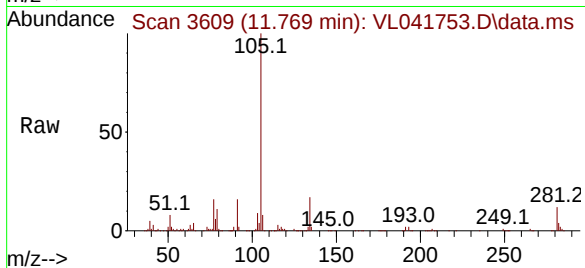
VSTDIC002

Tgt Ion:105 Resp: 95968

Ion Ratio Lower Upper

105 100

134 18.1 14.5 21.7



#68

1-Bromo-4-Fluorobenzene

Concen: 10.122 ppbv

RT: 10.377 min Scan# 3179

Delta R.T. 0.003 min

Lab File: VL041753.D

Acq: 16 Dec 2024 14:03

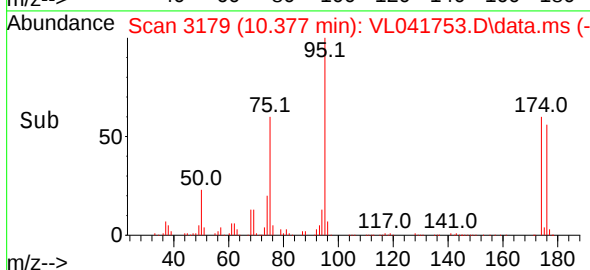
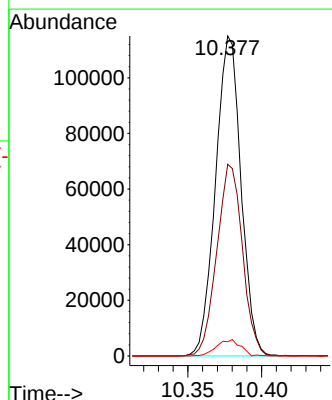
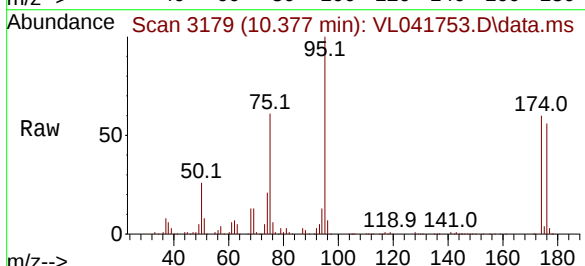
Tgt Ion: 95 Resp: 138312

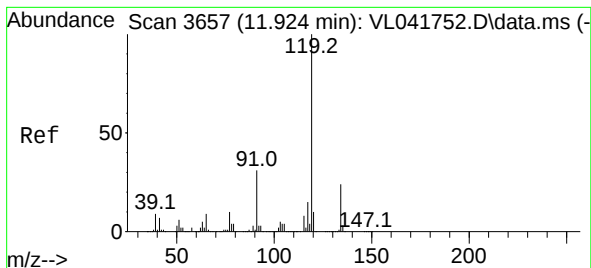
Ion Ratio Lower Upper

95 100

174 60.2 47.6 71.4

175 4.9 3.7 5.5





#69

p-Isopropyltoluene

Concen: 2.153 ppbv

RT: 11.927 min Scan# 3658

Delta R.T. 0.003 min

Lab File: VL041753.D

Acq: 16 Dec 2024 14:03

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

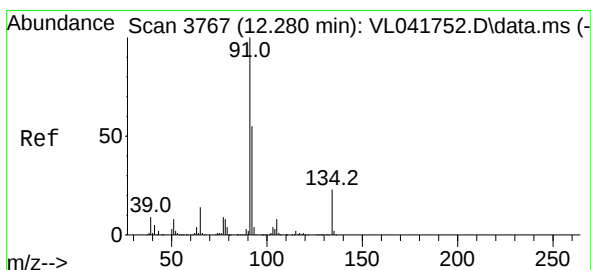
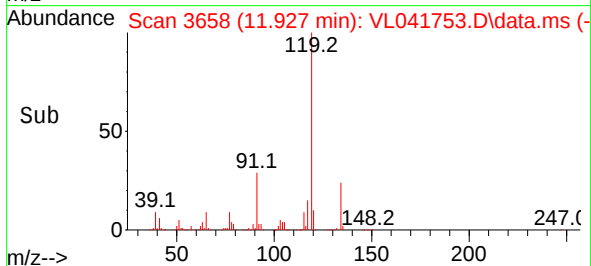
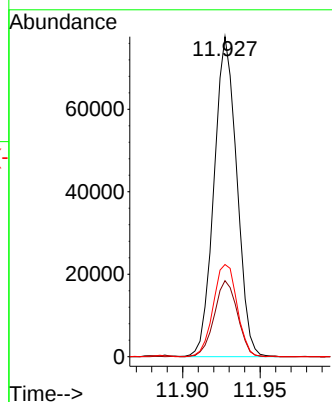
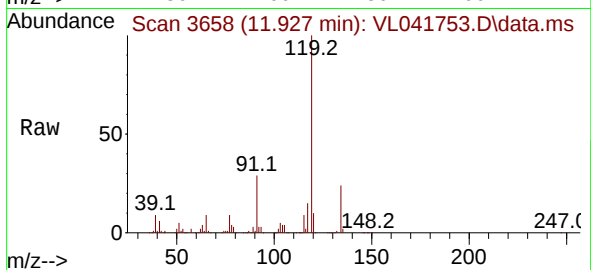
Tgt Ion:119 Resp: 79236

Ion Ratio Lower Upper

119 100

134 24.3 19.6 29.4

91 30.5 24.4 36.6



#70

n-Butylbenzene

Concen: 2.122 ppbv

RT: 12.283 min Scan# 3768

Delta R.T. 0.003 min

Lab File: VL041753.D

Acq: 16 Dec 2024 14:03

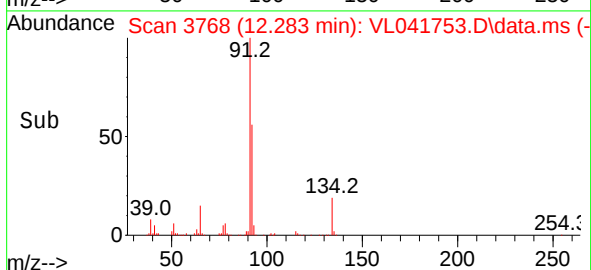
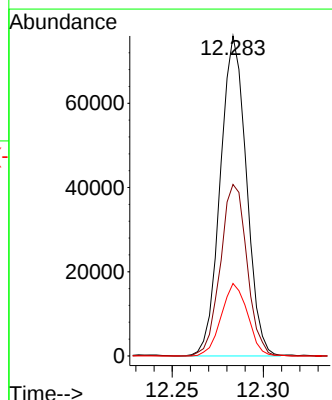
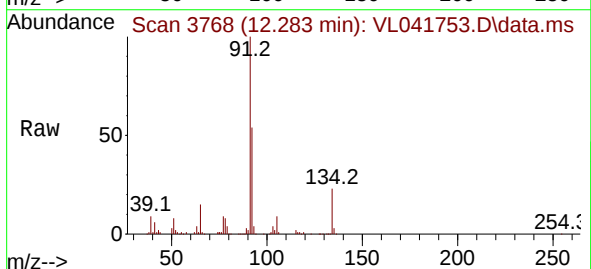
Tgt Ion: 91 Resp: 75430

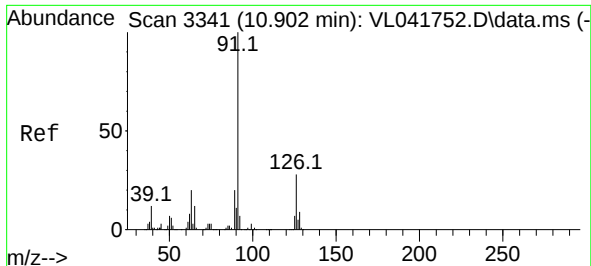
Ion Ratio Lower Upper

91 100

92 54.7 43.2 64.8

134 23.0 18.2 27.4

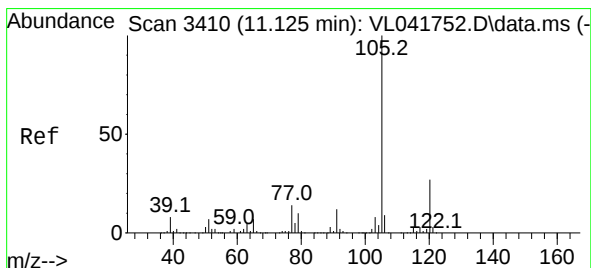
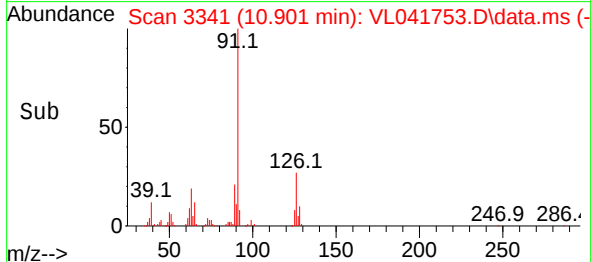
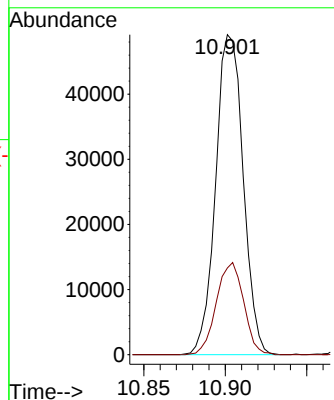
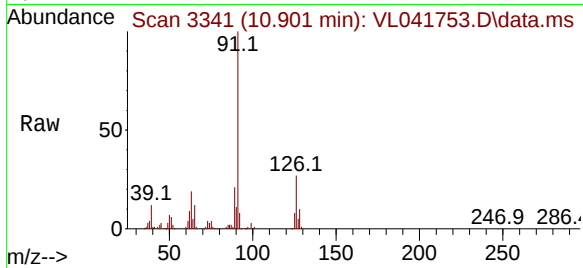




#71
2-Chlorotoluene
Concen: 2.114 ppbv
RT: 10.901 min Scan# 3341
Delta R.T. -0.000 min
Lab File: VL041753.D
Acq: 16 Dec 2024 14:03

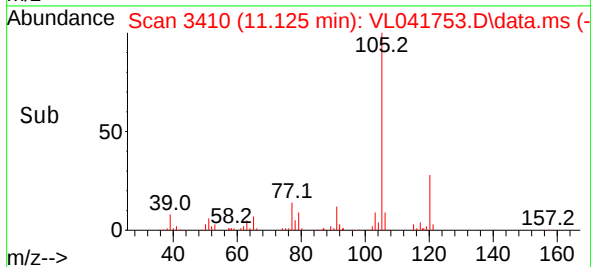
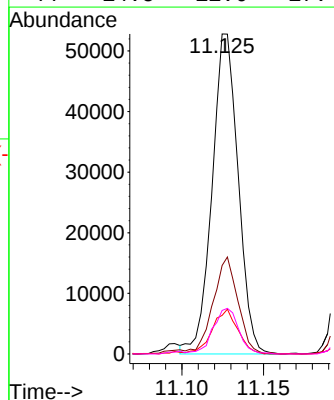
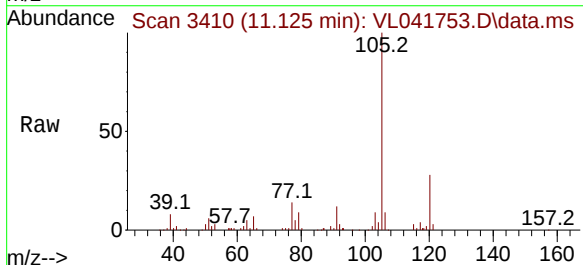
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

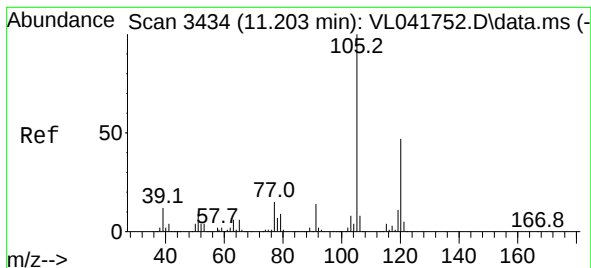
Tgt Ion: 91 Resp: 57724
Ion Ratio Lower Upper
91 100
126 28.5 11.6 46.4



#72
4-Ethyltoluene
Concen: 2.098 ppbv
RT: 11.125 min Scan# 3410
Delta R.T. -0.000 min
Lab File: VL041753.D
Acq: 16 Dec 2024 14:03

Tgt Ion:105 Resp: 58841
Ion Ratio Lower Upper
105 100
120 29.7 23.3 34.9
91 14.3 10.9 16.3
77 14.5 11.6 17.4





#73

1,3,5-Trimethylbenzene

Concen: 2.087 ppbv

RT: 11.206 min Scan# 3434

Delta R.T. 0.003 min

Lab File: VL041753.D

Acq: 16 Dec 2024 14:03

Instrument :

MSVOA_L

ClientSampleId :

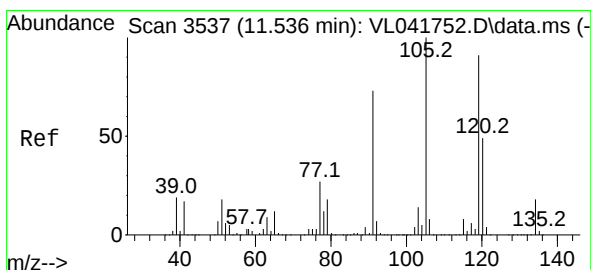
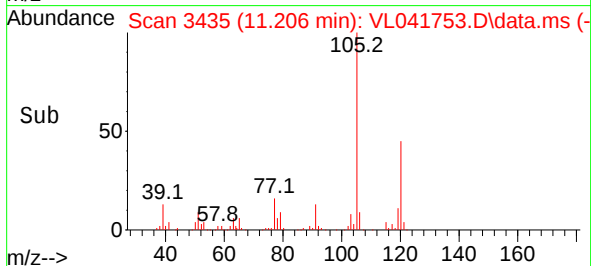
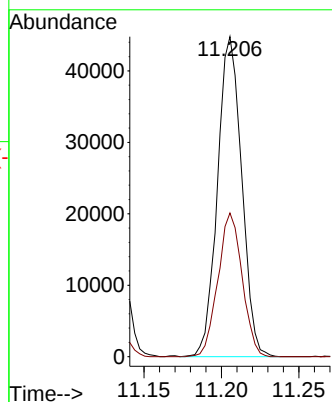
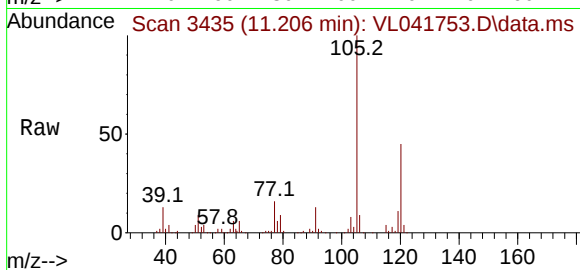
VSTDIC002

Tgt Ion:105 Resp: 48645

Ion Ratio Lower Upper

105 100

120 44.9 37.4 56.2



#74

1,2,4-Trimethylbenzene

Concen: 2.118 ppbv

RT: 11.539 min Scan# 3538

Delta R.T. 0.003 min

Lab File: VL041753.D

Acq: 16 Dec 2024 14:03

Tgt Ion:105 Resp: 53084

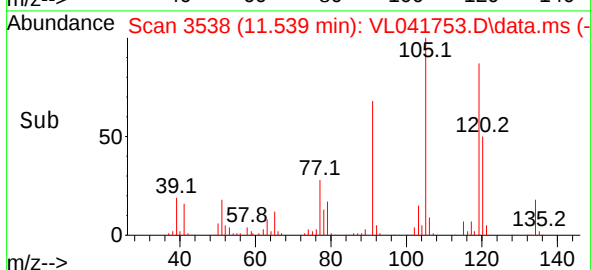
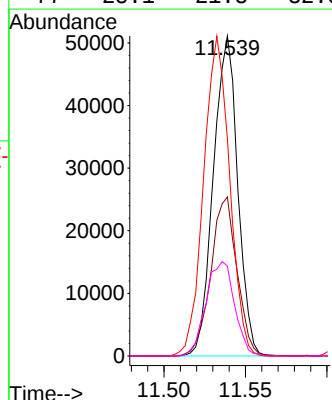
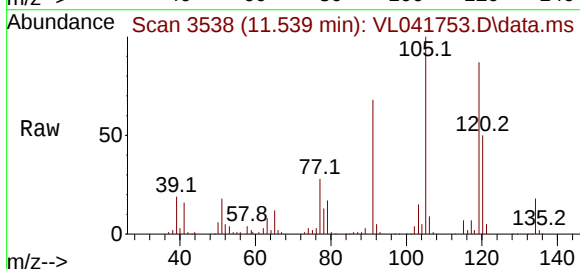
Ion Ratio Lower Upper

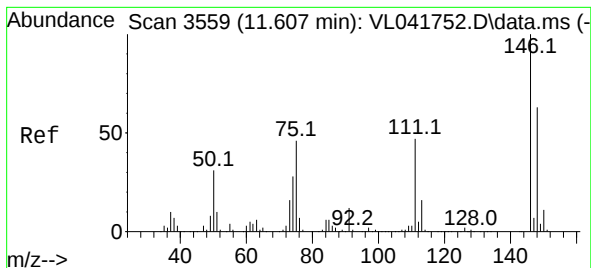
105 100

120 49.7 39.0 58.4

91 67.9 58.1 87.1

77 28.1 21.8 32.8





#75

1,3-Dichlorobenzene

Concen: 2.040 ppbv

RT: 11.610 min Scan# 3559

Delta R.T. 0.003 min

Lab File: VL041753.D

Acq: 16 Dec 2024 14:03

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

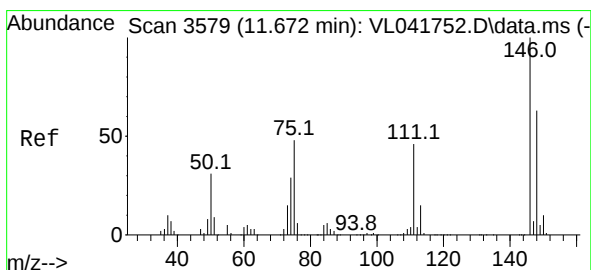
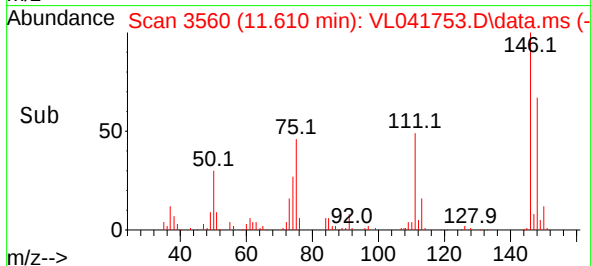
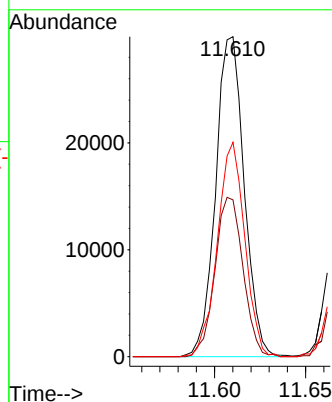
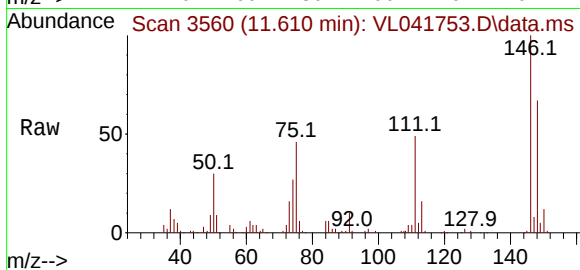
Tgt Ion:146 Resp: 32609

Ion Ratio Lower Upper

146 100

111 49.1 23.4 70.3

148 64.3 31.6 95.0



#76

1,4-Dichlorobenzene

Concen: 2.060 ppbv

RT: 11.675 min Scan# 3580

Delta R.T. 0.003 min

Lab File: VL041753.D

Acq: 16 Dec 2024 14:03

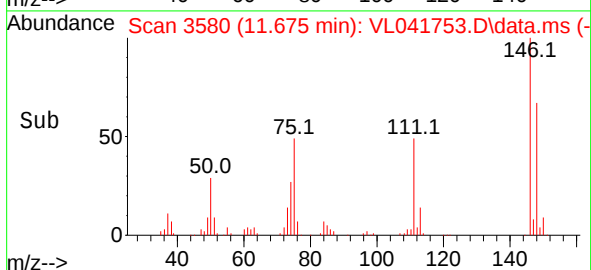
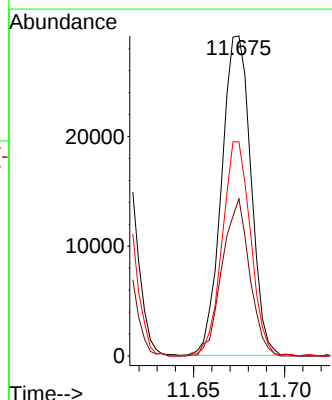
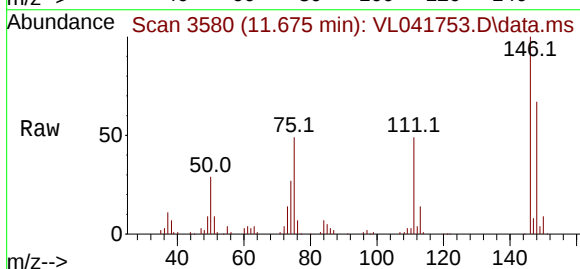
Tgt Ion:146 Resp: 32527

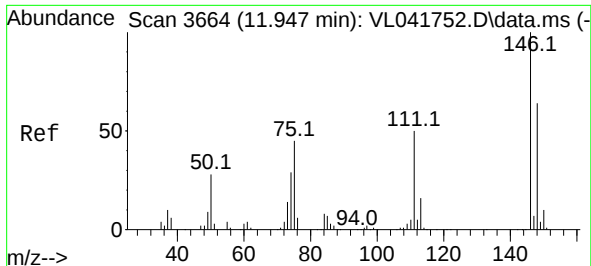
Ion Ratio Lower Upper

146 100

111 46.1 22.7 68.1

148 65.1 31.4 94.0

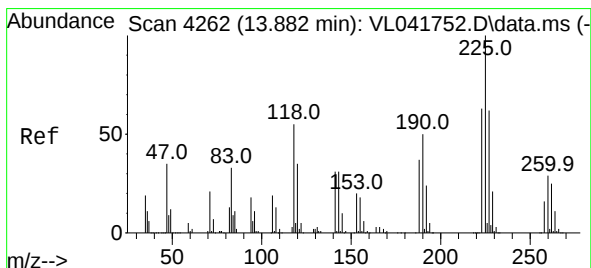
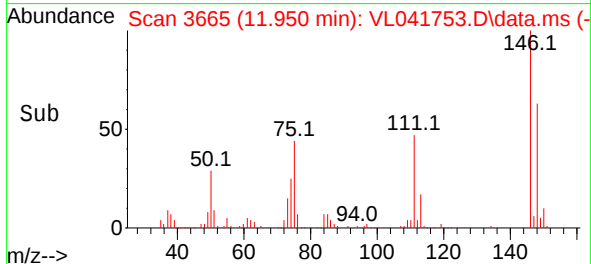
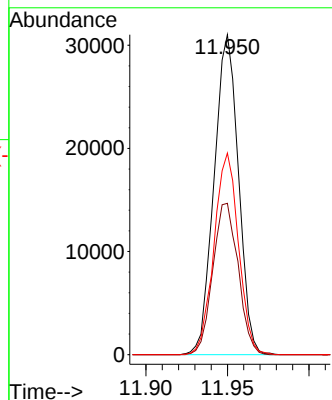
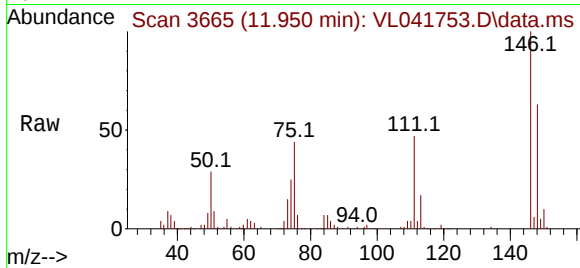




#77
1,2-Dichlorobenzene
Concen: 2.095 ppbv
RT: 11.950 min Scan# 3665
Delta R.T. 0.003 min
Lab File: VL041753.D
Acq: 16 Dec 2024 14:03

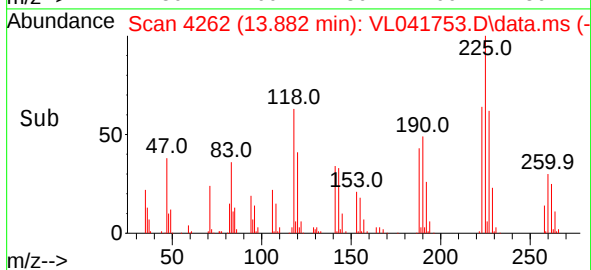
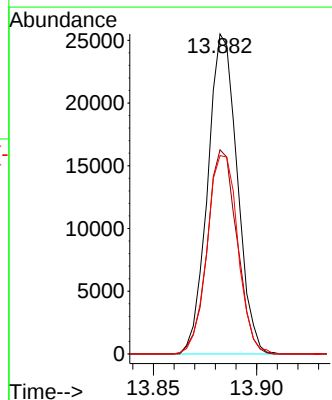
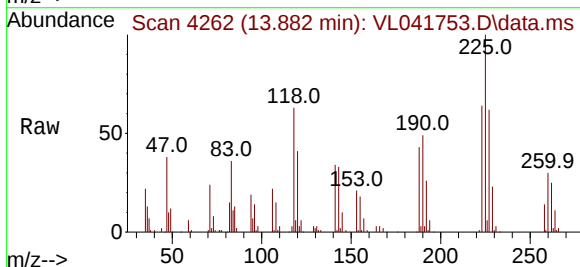
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

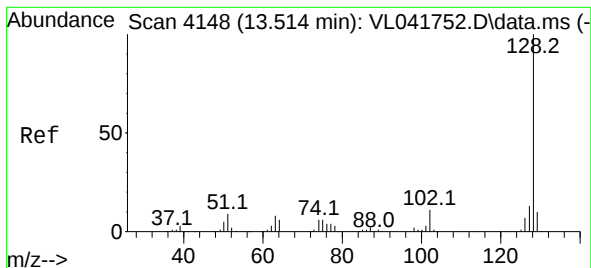
Tgt Ion:146 Resp: 32223
Ion Ratio Lower Upper
146 100
111 49.2 24.8 74.3
148 63.3 31.8 95.4



#78
Hexachloro-1,3-Butadiene
Concen: 2.224 ppbv
RT: 13.882 min Scan# 4262
Delta R.T. -0.000 min
Lab File: VL041753.D
Acq: 16 Dec 2024 14:03

Tgt Ion:225 Resp: 25358
Ion Ratio Lower Upper
225 100
223 64.2 50.5 75.7
227 64.8 50.3 75.5





#79

Naphthalene

Concen: 2.167 ppbv

RT: 13.513 min Scan# 4148

Delta R.T. -0.000 min

Lab File: VL041753.D

Acq: 16 Dec 2024 14:03

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

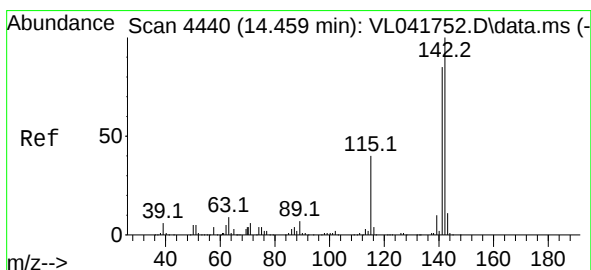
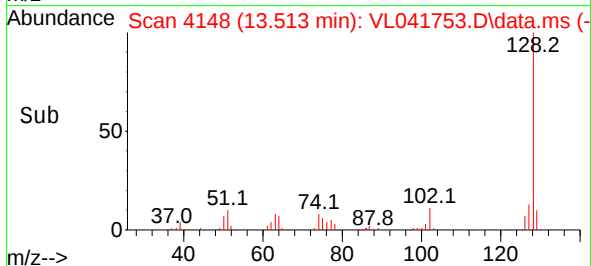
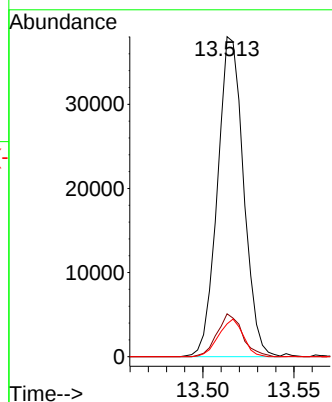
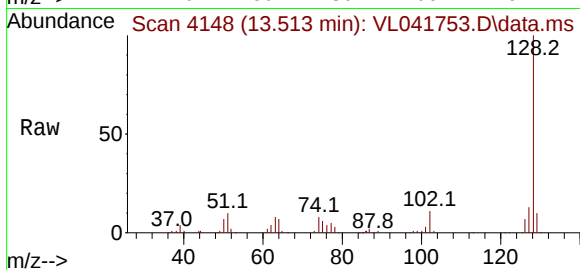
Tgt Ion:128 Resp: 37855

Ion Ratio Lower Upper

128 100

127 13.4 10.7 16.1

129 10.3 8.2 12.4



#80

Naphthalene,2-methyl-

Concen: 0.830 ppbv

RT: 14.462 min Scan# 4441

Delta R.T. 0.003 min

Lab File: VL041753.D

Acq: 16 Dec 2024 14:03

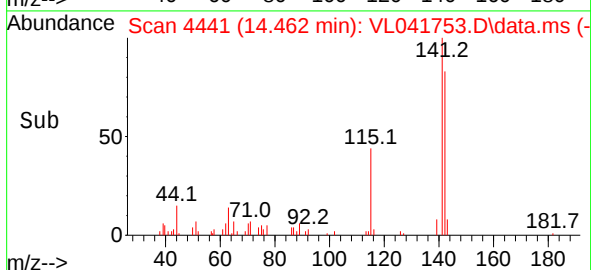
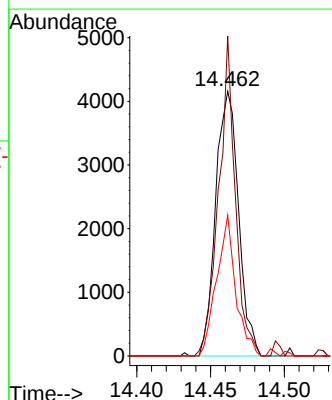
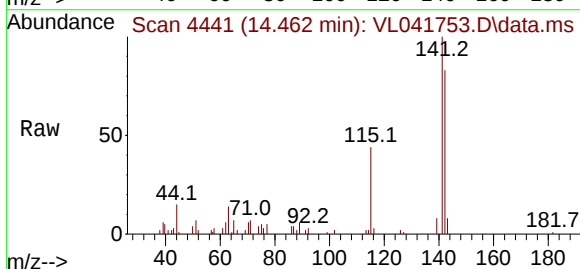
Tgt Ion:142 Resp: 4482

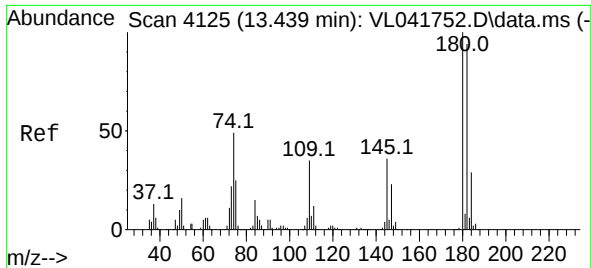
Ion Ratio Lower Upper

142 100

141 90.1 68.4 102.6

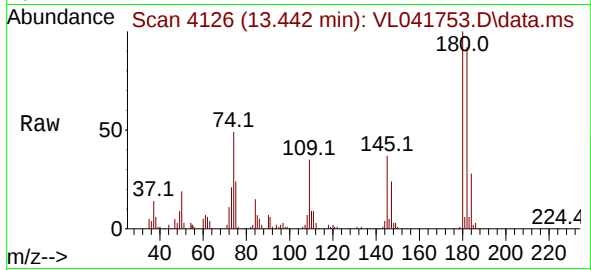
115 45.4 32.5 48.7





#81
 1,2,4-Trichlorobenzene
 Concen: 2.035 ppbv
 RT: 13.442 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VL041753.D
 Acq: 16 Dec 2024 14:03

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002



Tgt Ion:	180	Resp:	19425
Ion Ratio	Lower	Upper	
180	100		
182	96.8	77.0	115.6
184	31.5	23.8	35.8

