

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121624\
 Data File : VL041759.D
 Acq On : 16 Dec 2024 18:59
 Operator : SY/MD
 Sample : VSTDICV010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL121624

Quant Time: Dec 19 07:36:00 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 07:32:09 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.787	49	64976	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	174378	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	153443	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	129985	10.166	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.700%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	106780	9.236	ppbv	95
3) Chlorodifluoromethane	1.476	51	105141	9.922	ppbv	99
4) Chloromethane	1.531	50	43409	9.596	ppbv	96
5) Vinyl Chloride	1.580	62	40956	8.986	ppbv	97
6) Bromomethane	1.667	94	19590	9.109	ppbv	94
7) Chloroethane	1.703	64	17356	9.803	ppbv	92
8) Dichlorotetrafluoroethane	1.554	85	99858	9.650	ppbv	98
9) Propene	1.483	41	41721	9.084	ppbv	98
10) Heptane	4.981	43	115804	9.816	ppbv	99
11) Trichlorofluoromethane	1.877	101	115785	9.428	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.140	101	88265	9.450	ppbv	100
13) Ethanol	1.722	45	2534	6.663	ppbv	95
14) Bromoethene	1.780	108	31492	9.987	ppbv	98
15) Acetone	1.835	43	94879	7.505	ppbv	99
16) 1,3-Butadiene	1.609	39	45119	9.063	ppbv	98
17) tert-Butyl alcohol	2.039	59	122035	9.730	ppbv	100
18) 1,1-Dichloroethene	2.033	96	37466	9.568	ppbv	98
19) Isopropyl Alcohol	1.884	45	57577	7.590	ppbv	98
20) Methylene Chloride	2.062	84	32325	8.967	ppbv	96
21) Allyl Chloride	2.094	41	67596	9.859	ppbv	97
22) trans-1,2-Dichloroethene	2.340	96	42651	9.515	ppbv	97
23) Vinyl Acetate	2.463	43	51812	8.826	ppbv #	98
24) 1,1-Dichloroethane	2.408	63	87006	9.589	ppbv	100
25) Ethyl Acetate	2.835	43	234370	9.965	ppbv	100
26) Hexane	2.826	57	87034	9.752	ppbv	97
27) Carbon Disulfide	2.149	76	85650	10.649	ppbv	100
28) Methyl tert-Butyl Ether	2.441	73	62189	8.589	ppbv	99
29) Chloroform	2.848	83	134541	9.892	ppbv	98
30) Cyclohexane	3.858	84	75274	9.912	ppbv	98
31) cis-1,2-Dichloroethene	2.719	61	91628	9.935	ppbv	97
32) 1,1,1-Trichloroethane	3.366	97	137978	9.979	ppbv	99
34) 2-Butanone	2.557	43	133939	9.547	ppbv	99
35) Carbon Tetrachloride	3.764	117	138537	11.191	ppbv	97
36) Benzene	3.658	78	176537	9.787	ppbv	99
37) 1,2-Dichloroethane	3.221	62	112037	9.982	ppbv	99
38) Trichloroethene	4.551	130	70108	9.156	ppbv	96
39) 1,2-Dichloropropane	4.318	63	63675	9.761	ppbv	95
40) 1,4-Dioxane	4.583	88	30891	9.693	ppbv #	98
41) Tetrahydrofuran	3.056	42	77472	9.857	ppbv	99
42) Bromodichloromethane	4.493	83	139717	10.821	ppbv	95
43) Methyl Methacrylate	4.881	69	70299	10.229	ppbv	100
44) 2,2,4-Trimethylpentane	4.641	57	301772	9.796	ppbv	100
45) t-1,3-Dichloropropene	6.415	75	77534	10.907	ppbv	94

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

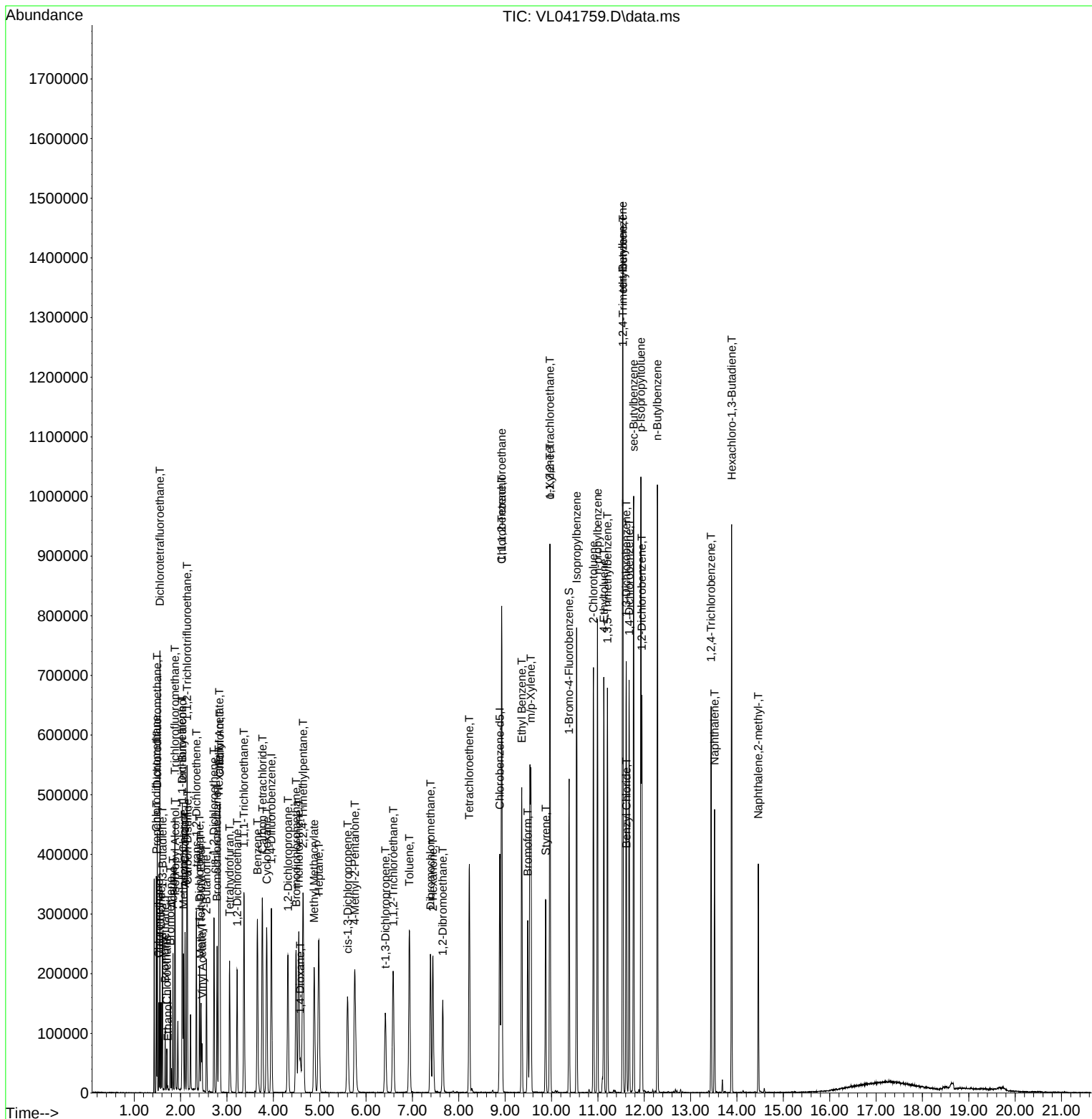
Instrument :
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 ClientSampleId :
 ICVVL121624

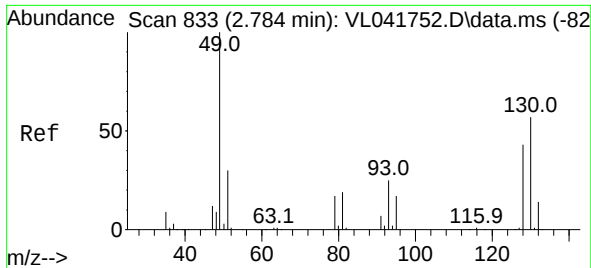
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 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Dec 19 07:32:09 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.603	75	95812	10.617	ppbv	97
47) 1,1,2-Trichloroethane	6.587	97	37758	5.541	ppbv	94
48) Dibromochloromethane	7.389	129	105378	11.326	ppbv	100
49) Bromoform	9.487	173	88971	11.682	ppbv	100
50) 4-Methyl-2-Pentanone	5.758	43	190637	9.980	ppbv	99
51) 2-Hexanone	7.441	43	155646	10.053	ppbv #	100
52) Tetrachloroethene	8.228	164	62782	9.351	ppbv	96
53) Toluene	6.933	91	199754	9.768	ppbv	99
54) 1,2-Dibromoethane	7.655	107	93439	9.952	ppbv	98
56) 1,1,1,2-Tetrachloroethane	8.927	131	85883	10.558	ppbv	99
57) Chlorobenzene	8.924	112	155257	9.888	ppbv	98
58) Ethyl Benzene	9.357	91	284770	10.308	ppbv	98
59) m/p-Xylene	9.555	91	238458	10.735	ppbv #	100
60) o-Xylene	9.966	91	229517	10.304	ppbv	98
61) Styrene	9.875	104	106841	11.093	ppbv	99
62) Isopropylbenzene	10.542	105	348887	10.425	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.966	83	137547	9.865	ppbv	99
64) n-propylbenzene	10.992	120	87865	10.384	ppbv	98
65) tert-Butylbenzene	11.536	119	307790	10.194	ppbv	100
66) Benzyl Chloride	11.620	91	29398	11.054	ppbv	99
67) sec-Butylbenzene	11.772	105	430521	10.304	ppbv	99
69) p-Isopropyltoluene	11.927	119	365667	10.620	ppbv	100
70) n-Butylbenzene	12.283	91	356880	10.727	ppbv	99
71) 2-Chlorotoluene	10.904	91	264123	10.340	ppbv	99
72) 4-Ethyltoluene	11.128	105	280580	10.672	ppbv	99
73) 1,3,5-Trimethylbenzene	11.205	105	237804	10.902	ppbv	95
74) 1,2,4-Trimethylbenzene	11.542	105	256141	10.919	ppbv #	88
75) 1,3-Dichlorobenzene	11.610	146	149927	10.025	ppbv	99
76) 1,4-Dichlorobenzene	11.675	146	152212	10.302	ppbv	99
77) 1,2-Dichlorobenzene	11.950	146	142734	9.919	ppbv	100
78) Hexachloro-1,3-Butadiene	13.885	225	94671	8.873	ppbv	99
79) Naphthalene	13.516	128	202413	12.384	ppbv	100
80) Naphthalene,2-methyl-	14.461	142	102431	20.261	ppbv	98
81) 1,2,4-Trichlorobenzene	13.442	180	98468	11.025	ppbv	99

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

Quant Time: Dec 19 07:36:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121624AIR.M
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Response via : Initial Calibration

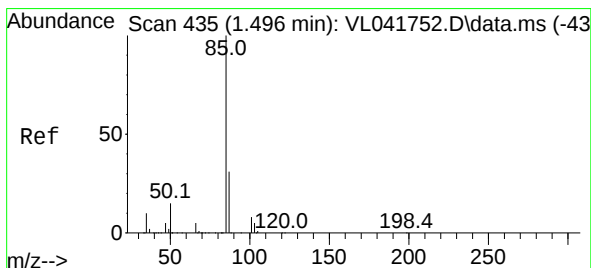
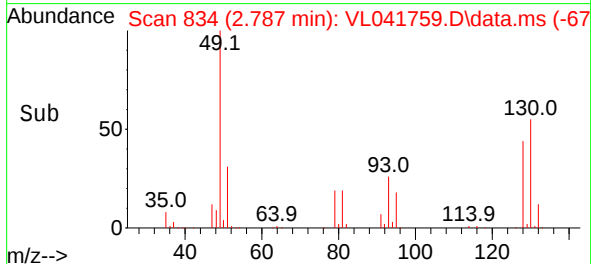
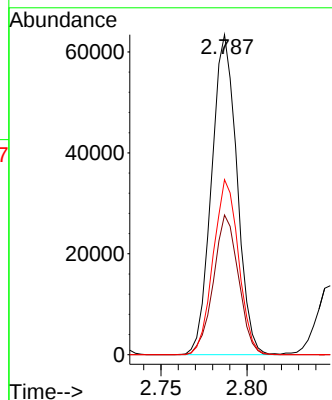
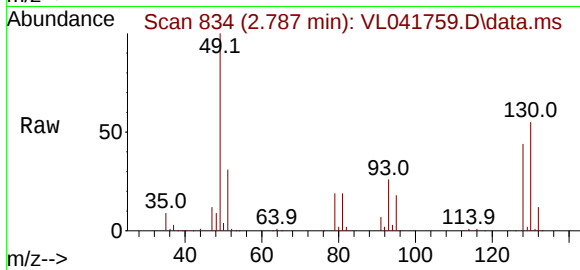




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 834
Delta R.T. 0.003 min
Lab File: VL041759.D
Acq: 16 Dec 2024 18:59

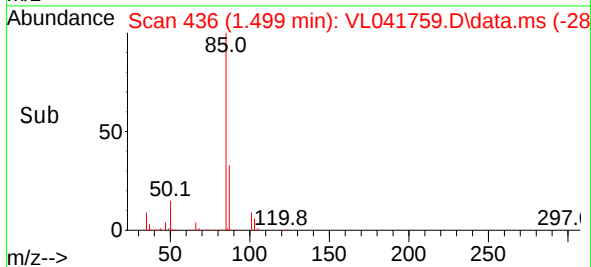
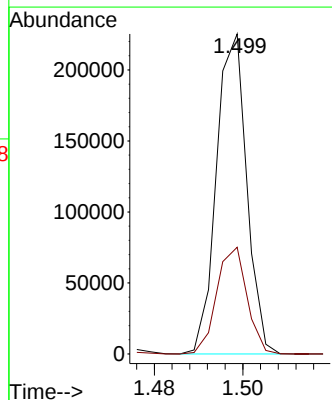
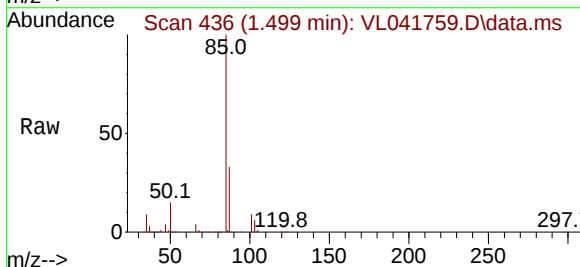
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MSVOA_L
ClientSampleId :
ICVVL121624

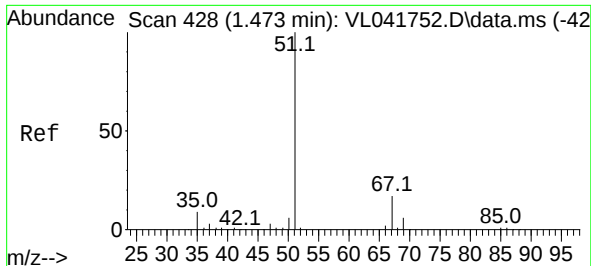
Tgt Ion: 49 Resp: 64976
Ion Ratio Lower Upper
49 100
128 43.2 21.6 64.6
130 54.5 28.3 85.0



#2
Dichlorodifluoromethane
Concen: 9.236 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.003 min
Lab File: VL041759.D
Acq: 16 Dec 2024 18:59

Tgt Ion: 85 Resp: 106780
Ion Ratio Lower Upper
85 100
87 33.4 24.5 36.7

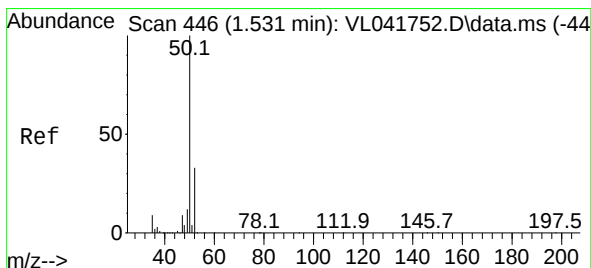
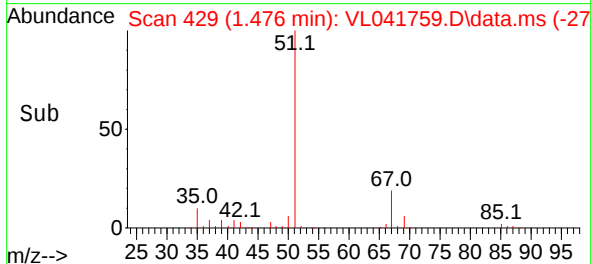
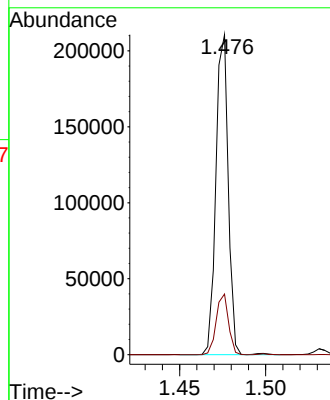
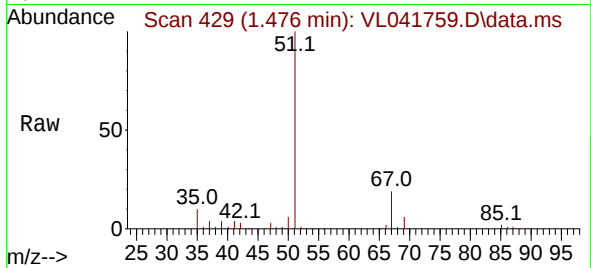




#3
Chlorodifluoromethane
Concen: 9.922 ppbv
RT: 1.476 min Scan# 428
Delta R.T. 0.003 min
Lab File: VL041759.D
Acq: 16 Dec 2024 18:59

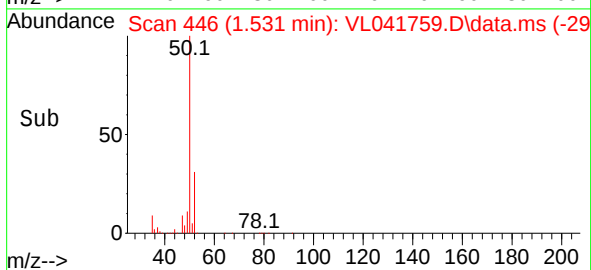
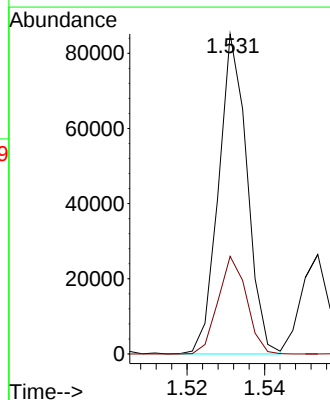
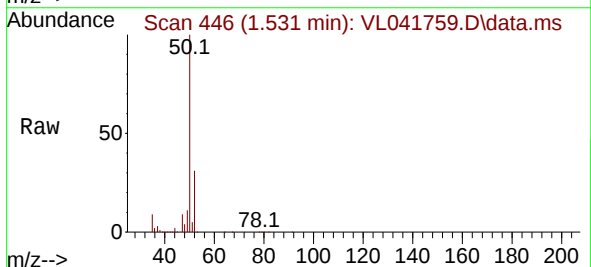
Instrument :
MSVOA_1
ClientSampleId :
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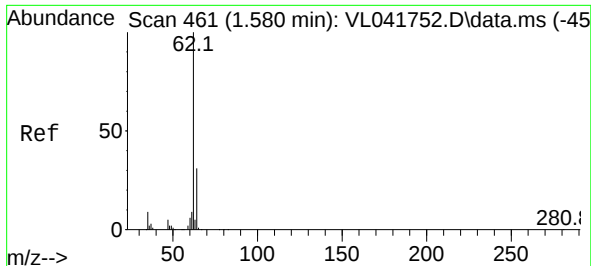
Tgt Ion: 51 Resp: 105141
Ion Ratio Lower Upper
51 100
67 19.1 15.0 22.4



#4
Chloromethane
Concen: 9.596 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL041759.D
Acq: 16 Dec 2024 18:59

Tgt Ion: 50 Resp: 43409
Ion Ratio Lower Upper
50 100
52 30.6 26.2 39.2

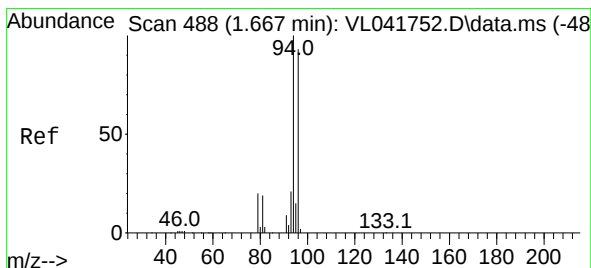
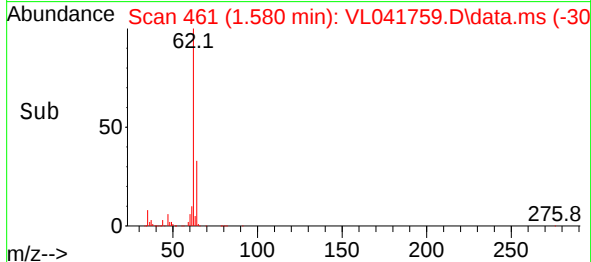
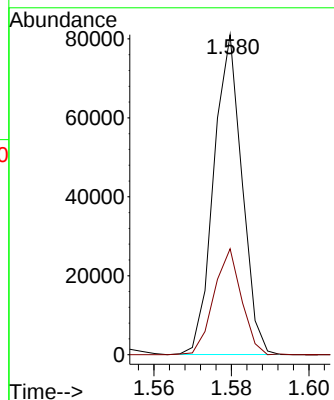
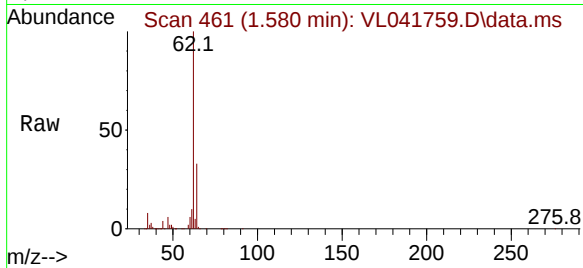




#5
 Vinyl Chloride
 Concen: 8.986 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. -0.000 min
 Lab File: VL041759.D
 Acq: 16 Dec 2024 18:59

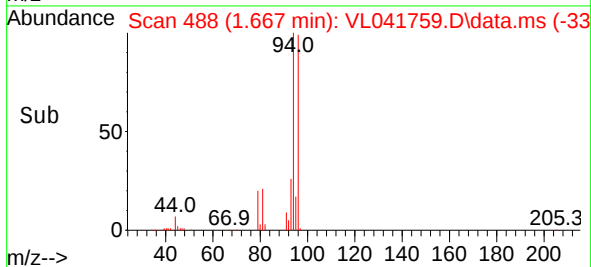
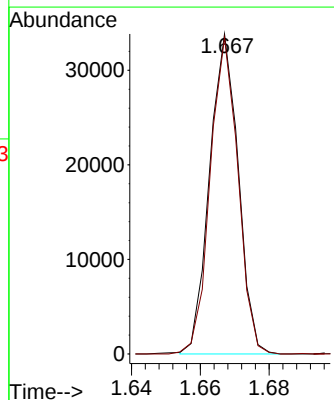
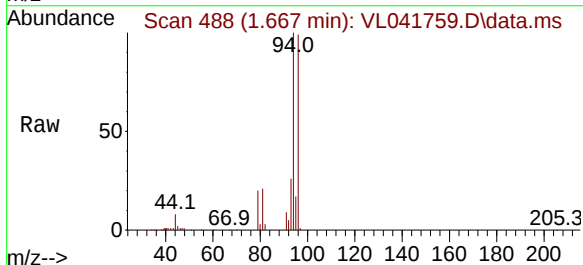
Instrument :
 MSVOA_1
 ClientSampleId :
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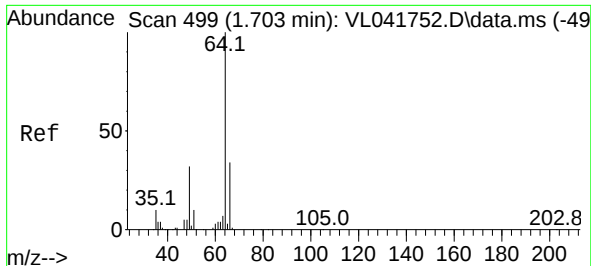
Tgt Ion: 62 Resp: 40956
 Ion Ratio Lower Upper
 62 100
 64 33.0 25.1 37.7



#6
 Bromomethane
 Concen: 9.109 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. -0.000 min
 Lab File: VL041759.D
 Acq: 16 Dec 2024 18:59

Tgt Ion: 94 Resp: 19590
 Ion Ratio Lower Upper
 94 100
 96 98.9 74.7 112.1

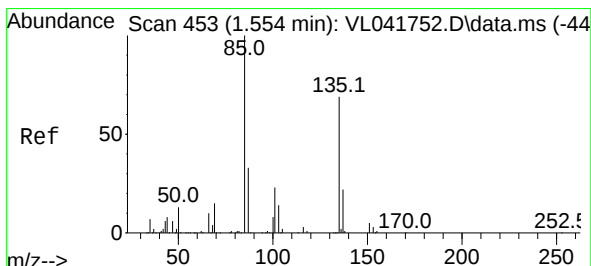
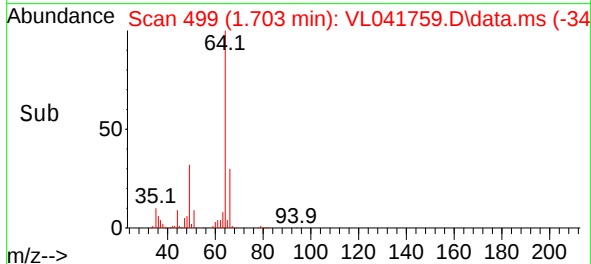
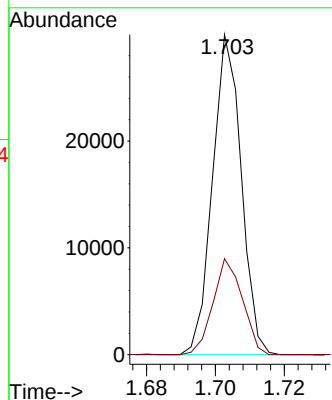
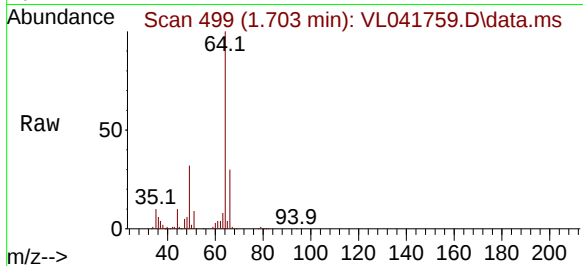




#7
Chloroethane
Concen: 9.803 ppbv
RT: 1.703 min Scan# 499
Delta R.T. -0.000 min
Lab File: VL041759.D
Acq: 16 Dec 2024 18:59

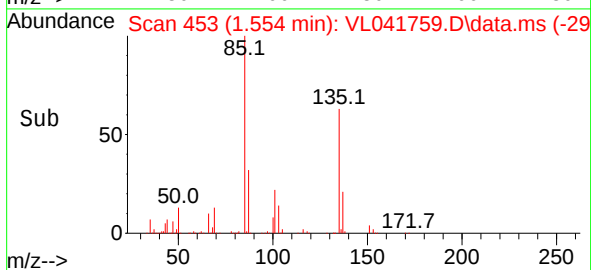
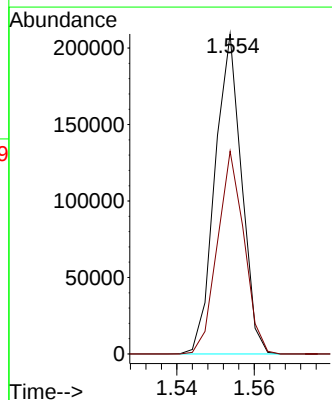
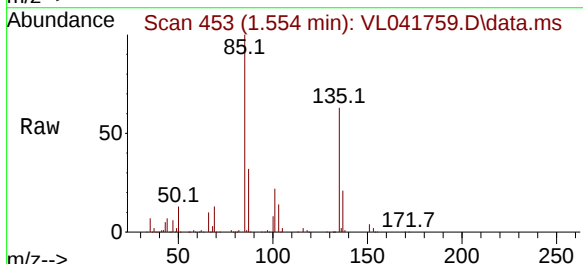
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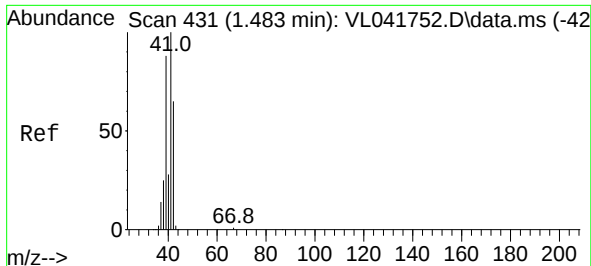
Tgt Ion: 64 Resp: 17356
Ion Ratio Lower Upper
64 100
66 30.0 27.5 41.3



#8
Dichlorotetrafluoroethane
Concen: 9.650 ppbv
RT: 1.554 min Scan# 453
Delta R.T. -0.000 min
Lab File: VL041759.D
Acq: 16 Dec 2024 18:59

Tgt Ion: 85 Resp: 99858
Ion Ratio Lower Upper
85 100
135 63.6 51.9 77.9





#9

Propene

Concen: 9.084 ppbv

RT: 1.483 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL041759.D

Acq: 16 Dec 2024 18:59

Instrument :

MSVOA_L

ClientSampleId :

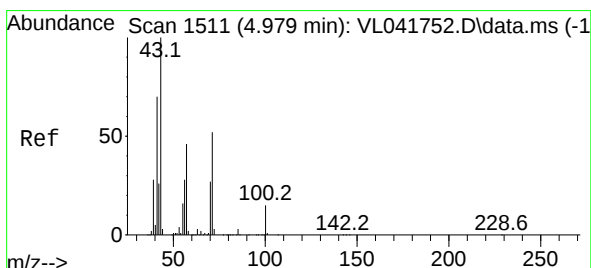
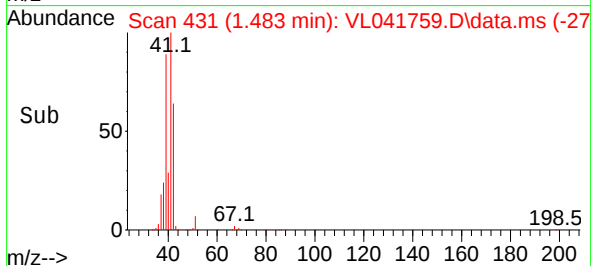
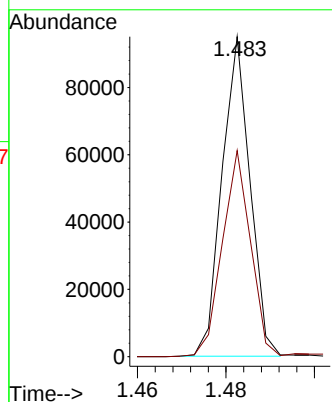
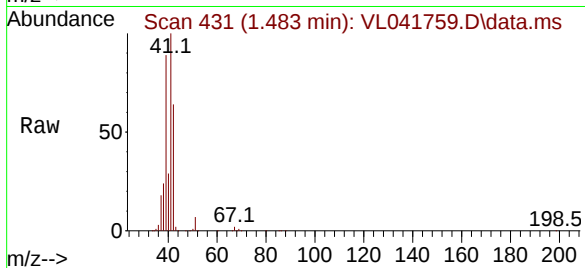
ICVVL121624

Tgt Ion: 41 Resp: 41721

Ion Ratio Lower Upper

41 100

42 66.7 52.4 78.6



#10

Heptane

Concen: 9.816 ppbv

RT: 4.981 min Scan# 1512

Delta R.T. 0.003 min

Lab File: VL041759.D

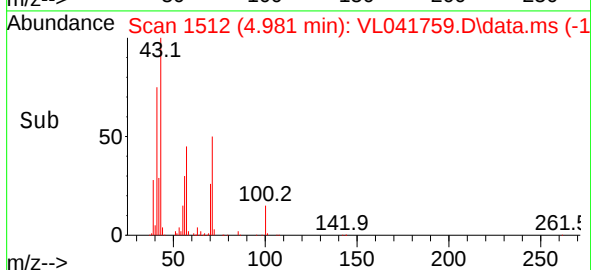
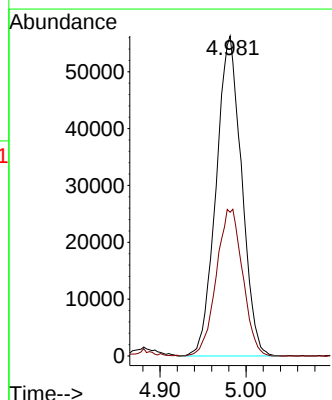
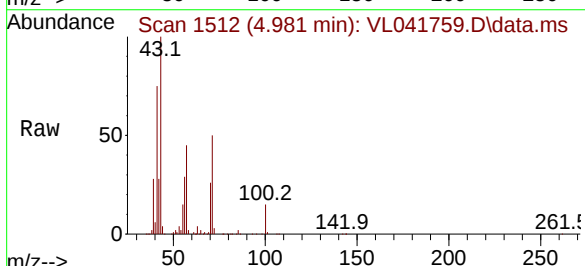
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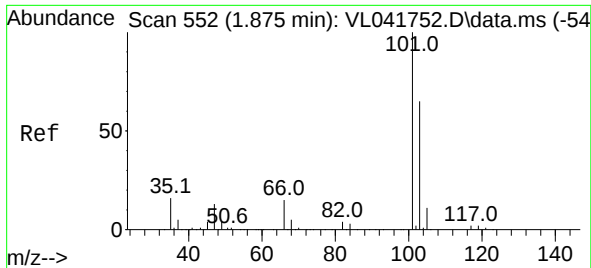
Tgt Ion: 43 Resp: 115804

Ion Ratio Lower Upper

43 100

57 47.4 38.5 57.7

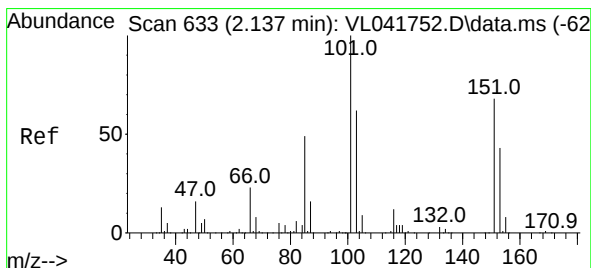
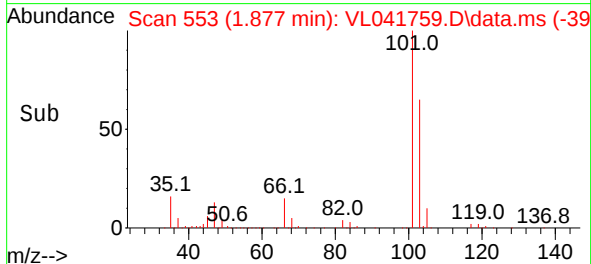
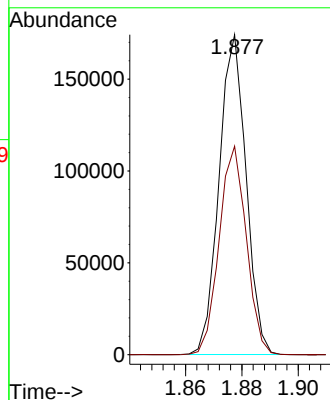
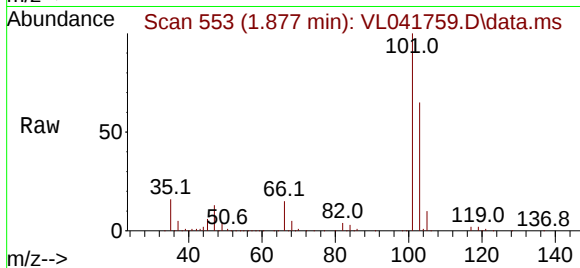




#11
 Trichlorofluoromethane
 Concen: 9.428 ppbv
 RT: 1.877 min Scan# 51
 Delta R.T. 0.003 min
 Lab File: VL041759.D
 Acq: 16 Dec 2024 18:59

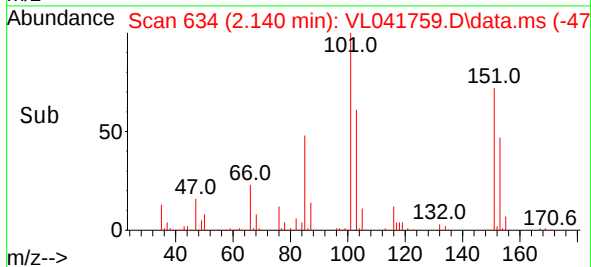
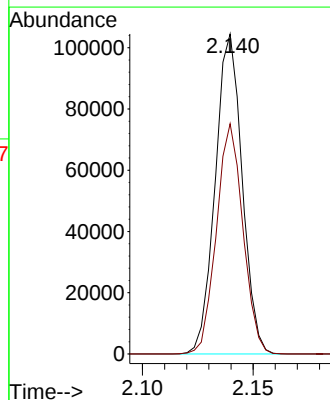
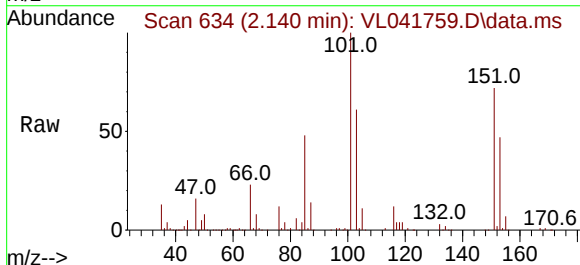
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL121624

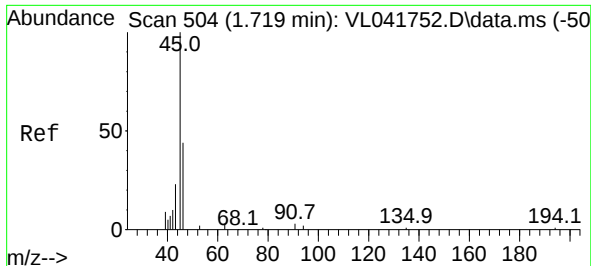
Tgt Ion:101 Resp: 115785
 Ion Ratio Lower Upper
 101 100
 103 65.2 51.8 77.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.450 ppbv
 RT: 2.140 min Scan# 634
 Delta R.T. 0.003 min
 Lab File: VL041759.D
 Acq: 16 Dec 2024 18:59

Tgt Ion:101 Resp: 88265
 Ion Ratio Lower Upper
 101 100
 151 70.8 56.8 85.2





#13

Ethanol

Concen: 6.663 ppbv

RT: 1.722 min Scan# 504

Delta R.T. 0.003 min

Lab File: VL041759.D

Acq: 16 Dec 2024 18:59

Instrument :

MSVOA_L

ClientSampleId :

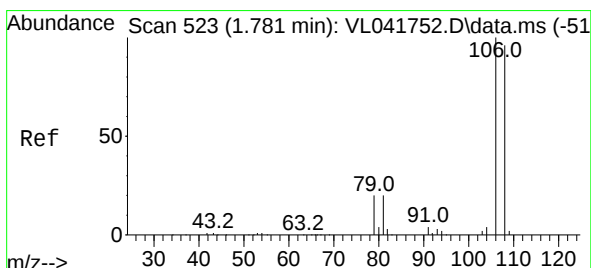
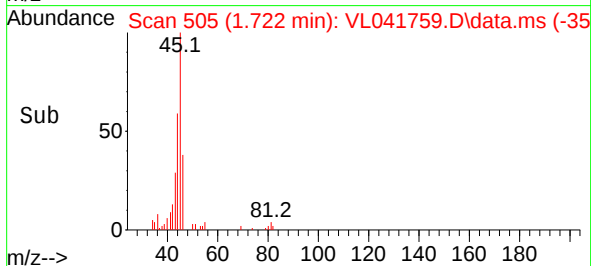
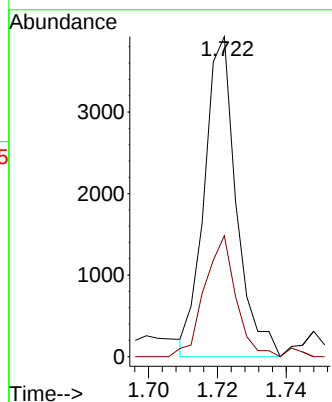
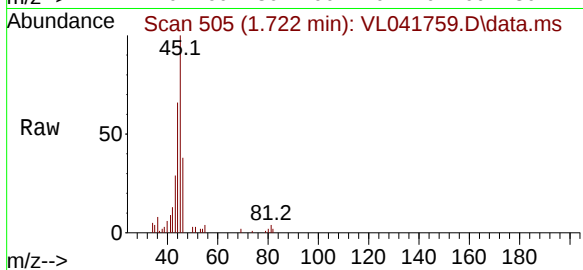
ICVVL121624

Tgt Ion: 45 Resp: 2534

Ion Ratio Lower Upper

45 100

46 38.2 16.4 65.8



#14

Bromoethene

Concen: 9.987 ppbv

RT: 1.780 min Scan# 523

Delta R.T. -0.000 min

Lab File: VL041759.D

Acq: 16 Dec 2024 18:59

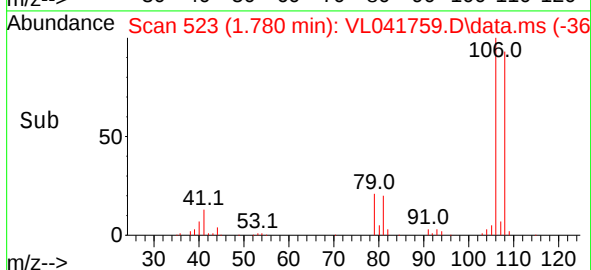
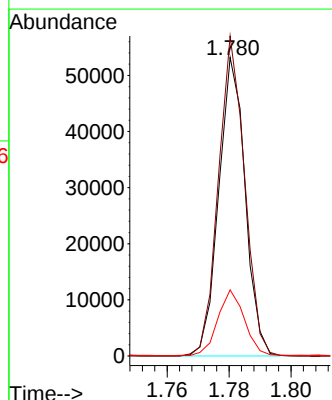
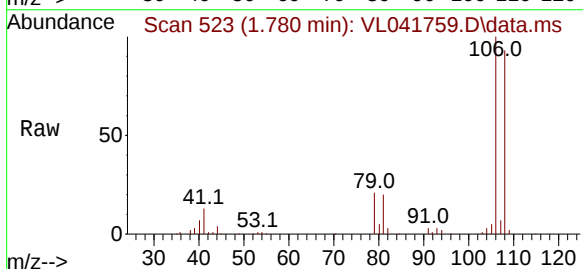
Tgt Ion:108 Resp: 31492

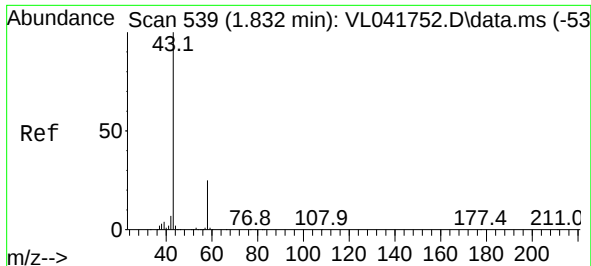
Ion Ratio Lower Upper

108 100

106 106.4 84.1 126.1

79 23.4 17.4 26.0





#15

Acetone

Concen: 7.505 ppbv

RT: 1.835 min Scan# 54

Delta R.T. 0.003 min

Lab File: VL041759.D

Acq: 16 Dec 2024 18:59

Instrument :

MSVOA_L

ClientSampleId :

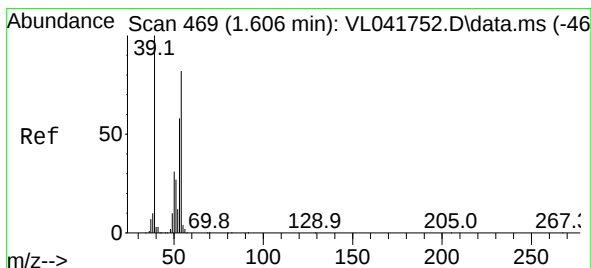
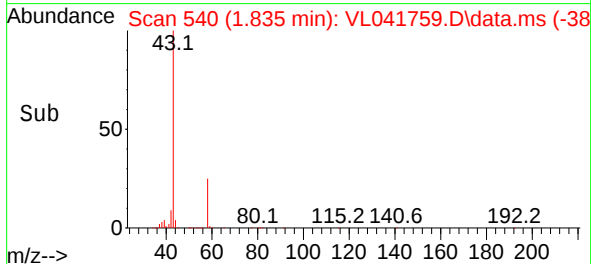
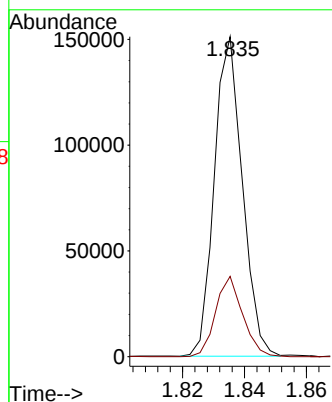
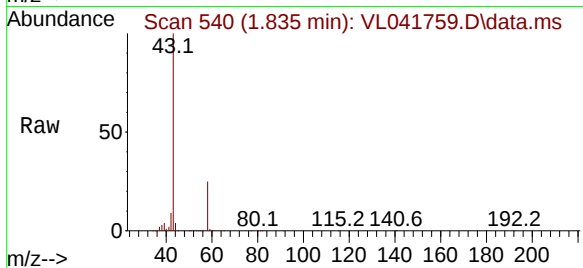
ICVVL121624

Tgt Ion: 43 Resp: 94879

Ion Ratio Lower Upper

43 100

58 24.3 19.7 29.5



#16

1,3-Butadiene

Concen: 9.063 ppbv

RT: 1.609 min Scan# 470

Delta R.T. 0.003 min

Lab File: VL041759.D

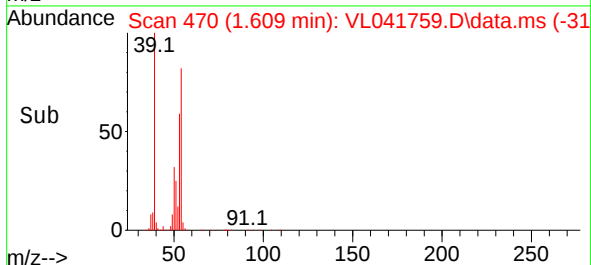
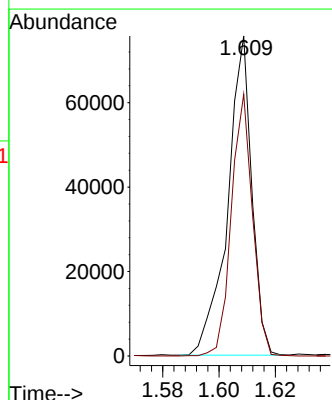
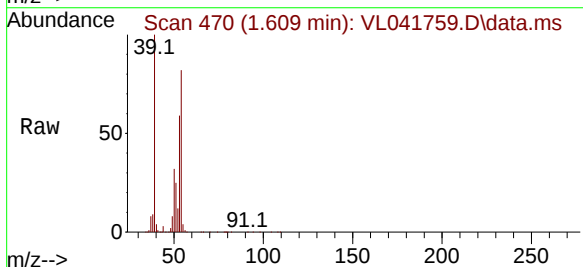
Acq: 16 Dec 2024 18:59

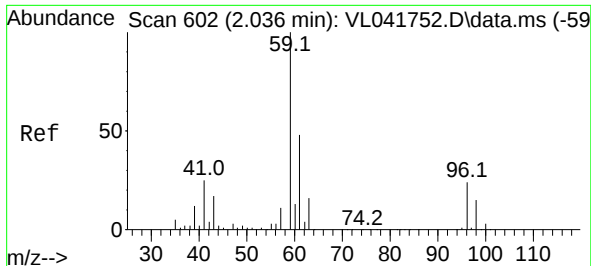
Tgt Ion: 39 Resp: 45119

Ion Ratio Lower Upper

39 100

54 71.7 58.4 87.6





#17

tert-Butyl alcohol

Concen: 9.730 ppbv

RT: 2.039 min Scan# 602

Delta R.T. 0.003 min

Lab File: VL041759.D

Acq: 16 Dec 2024 18:59

Instrument :

MSVOA_1

ClientSampleId :

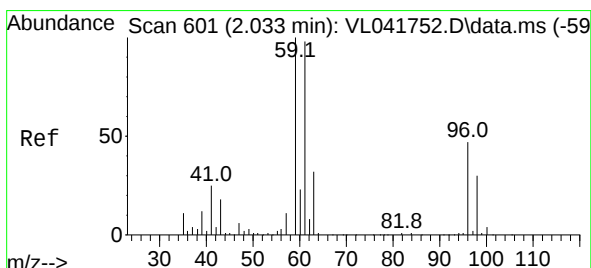
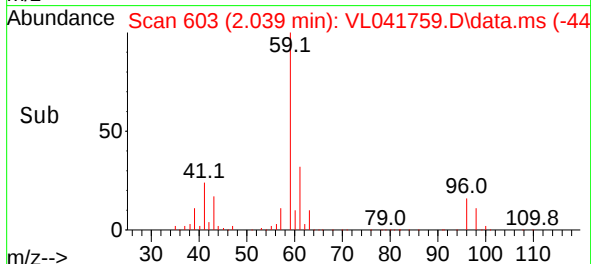
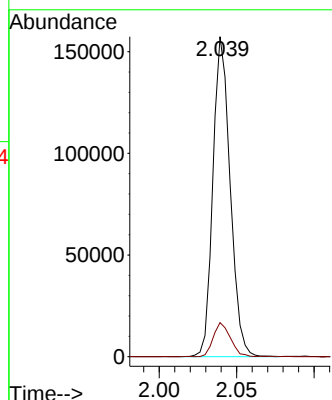
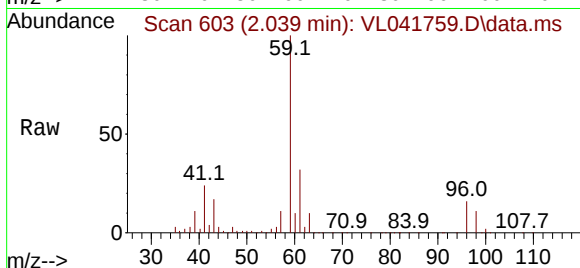
ICVVL121624

Tgt Ion: 59 Resp: 122035

Ion Ratio Lower Upper

59 100

57 10.6 8.6 13.0



#18

1,1-Dichloroethene

Concen: 9.568 ppbv

RT: 2.033 min Scan# 601

Delta R.T. -0.000 min

Lab File: VL041759.D

Acq: 16 Dec 2024 18:59

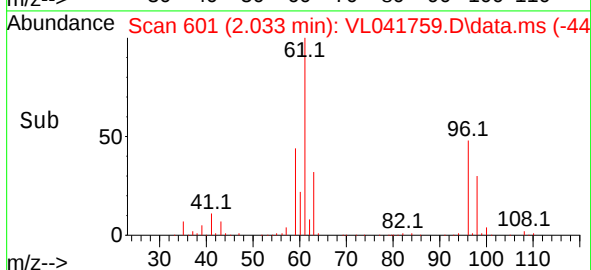
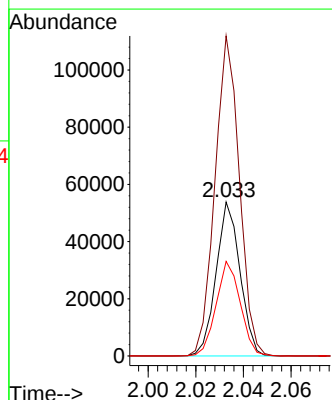
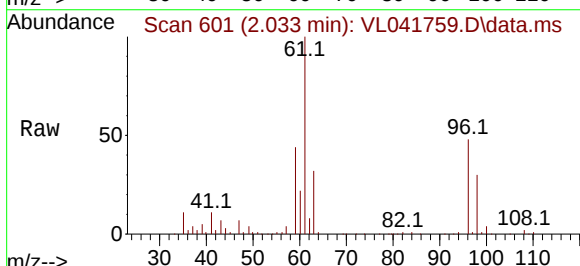
Tgt Ion: 96 Resp: 37466

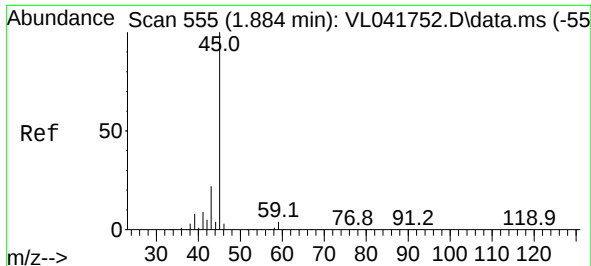
Ion Ratio Lower Upper

96 100

61 207.9 167.7 251.5

98 61.5 51.1 76.7





#19

Isopropyl Alcohol

Concen: 7.590 ppbv

RT: 1.884 min Scan# 51

Delta R.T. -0.000 min

Lab File: VL041759.D

Acq: 16 Dec 2024 18:59

Instrument :

MSVOA_L

ClientSampleId :

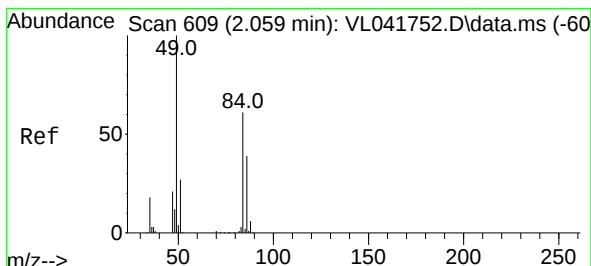
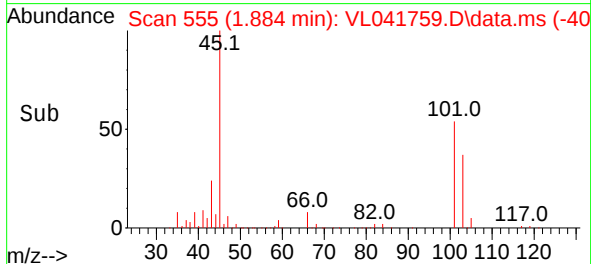
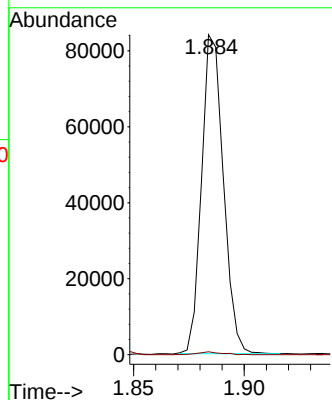
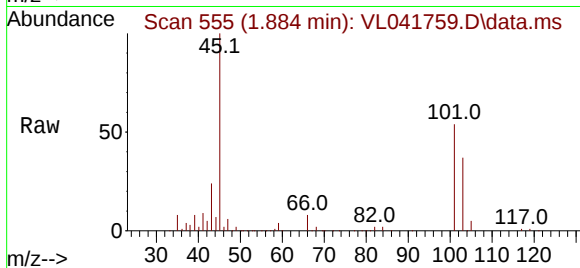
ICVVL121624

Tgt Ion: 45 Resp: 57577

Ion Ratio Lower Upper

45 100

58 40.1 33.3 49.9



#20

Methylene Chloride

Concen: 8.967 ppbv

RT: 2.062 min Scan# 610

Delta R.T. 0.003 min

Lab File: VL041759.D

Acq: 16 Dec 2024 18:59

Tgt Ion: 84 Resp: 32325

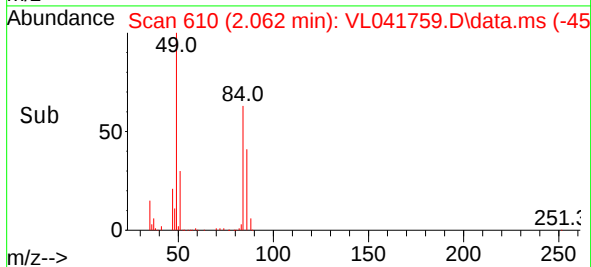
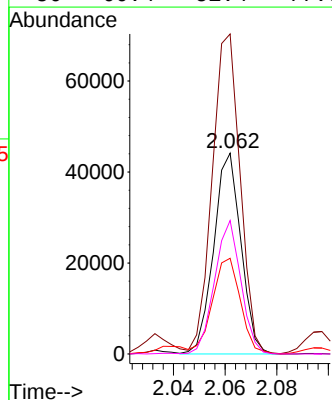
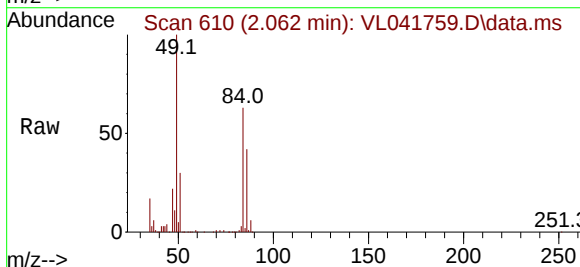
Ion Ratio Lower Upper

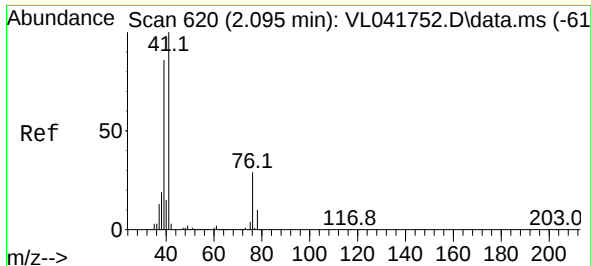
84 100

49 159.1 132.6 198.8

51 47.7 37.6 56.4

86 66.4 51.4 77.0





#21

Allyl Chloride

Concen: 9.859 ppbv

RT: 2.094 min Scan# 61

Delta R.T. -0.000 min

Lab File: VL041759.D

Acq: 16 Dec 2024 18:59

Instrument :

MSVOA_L

ClientSampleId :

ICVVL121624

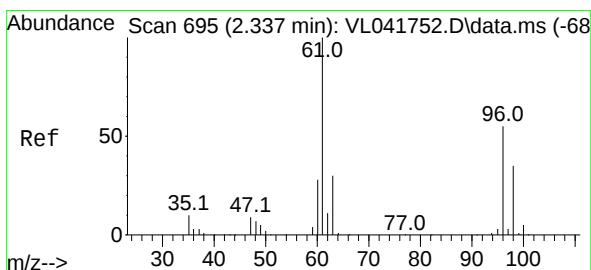
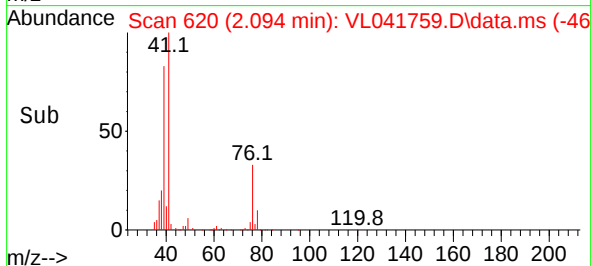
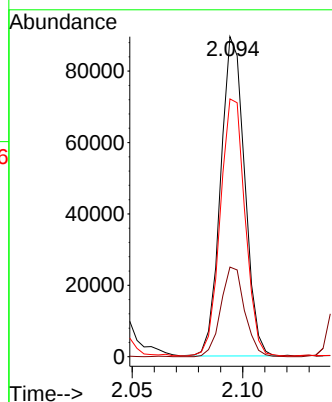
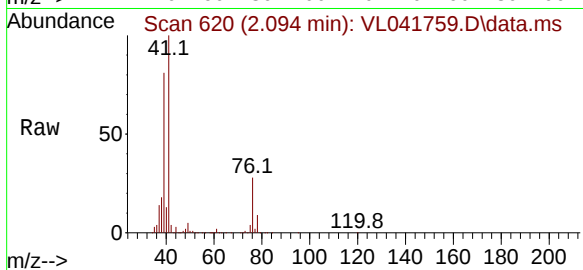
Tgt Ion: 41 Resp: 67596

Ion Ratio Lower Upper

41 100

76 27.9 22.3 33.5

39 82.6 69.2 103.8



#22

trans-1,2-Dichloroethene

Concen: 9.515 ppbv

RT: 2.340 min Scan# 696

Delta R.T. 0.003 min

Lab File: VL041759.D

Acq: 16 Dec 2024 18:59

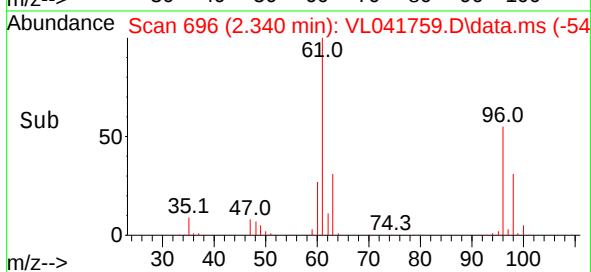
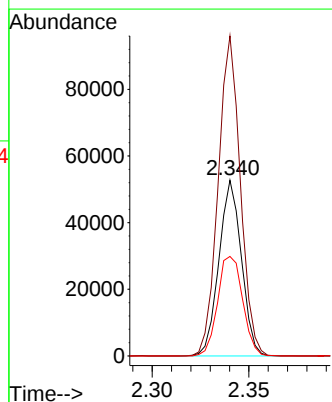
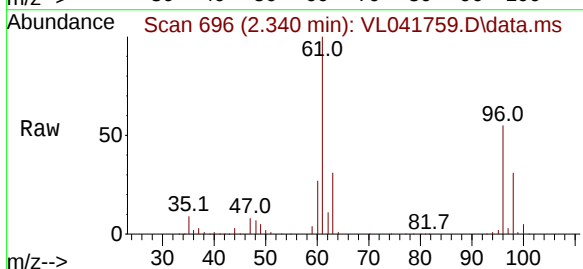
Tgt Ion: 96 Resp: 42651

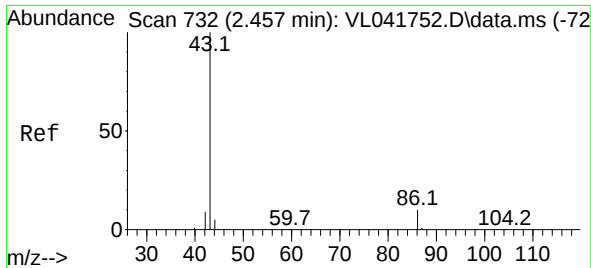
Ion Ratio Lower Upper

96 100

61 182.2 146.3 219.5

98 56.7 50.8 76.2

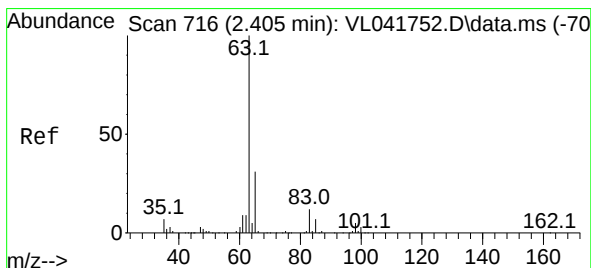
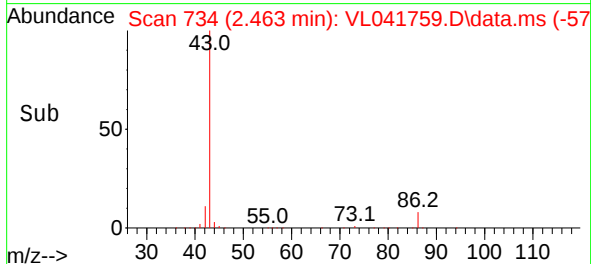
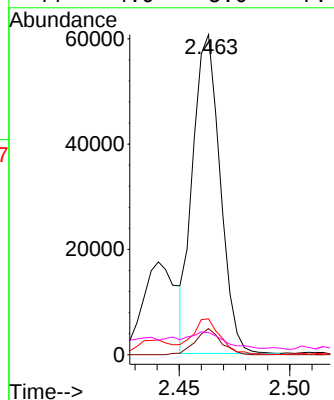
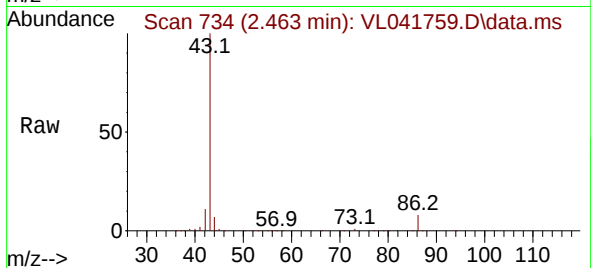




#23
 Vinyl Acetate
 Concen: 8.826 ppbv
 RT: 2.463 min Scan# 716
 Delta R.T. 0.006 min
 Lab File: VL041759.D
 Acq: 16 Dec 2024 18:59

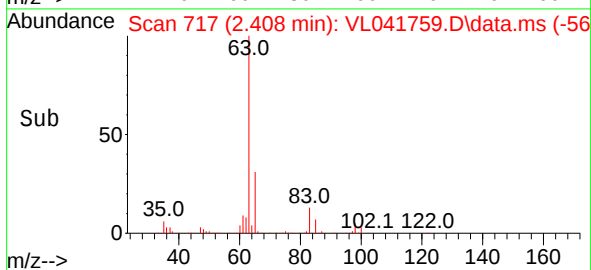
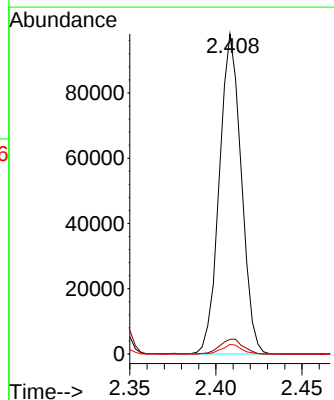
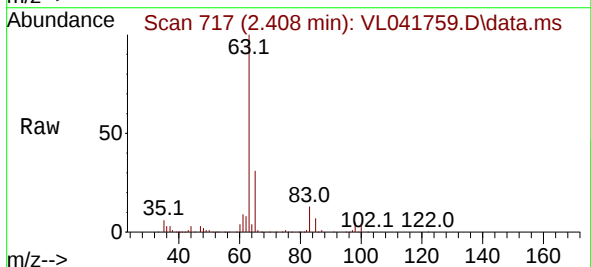
Instrument :
 MSVOA_1
 ClientSampleId :
 ICVVL121624

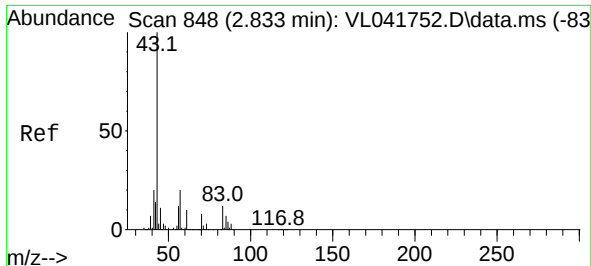
Tgt Ion:	43	Resp:	51812
Ion	Ratio	Lower	Upper
43	100		
86	8.1	6.6	10.0
42	11.2	8.2	12.2
44	4.9	5.0	7.4



#24
 1,1-Dichloroethane
 Concen: 9.589 ppbv
 RT: 2.408 min Scan# 717
 Delta R.T. 0.003 min
 Lab File: VL041759.D
 Acq: 16 Dec 2024 18:59

Tgt Ion:	63	Resp:	87006
Ion	Ratio	Lower	Upper
63	100		
98	4.6	2.3	6.8
100	3.0	1.4	4.2





#25

Ethyl Acetate

Concen: 9.965 ppbv

RT: 2.835 min Scan# 848

Delta R.T. 0.003 min

Lab File: VL041759.D

Acq: 16 Dec 2024 18:59

Instrument :

MSVOA_1

ClientSampleId :

ICVVL121624

Tgt Ion: 43 Resp: 234370

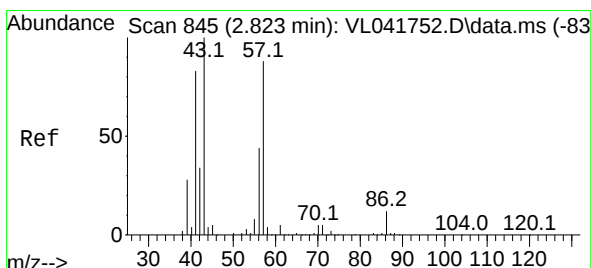
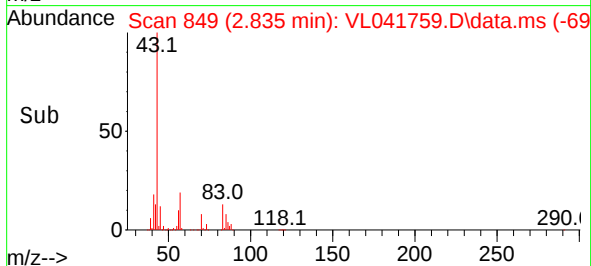
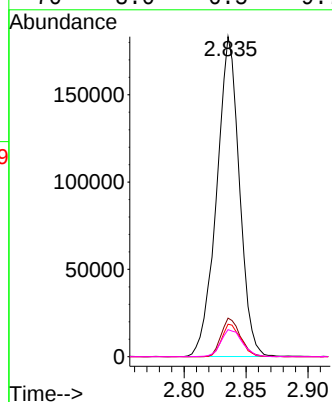
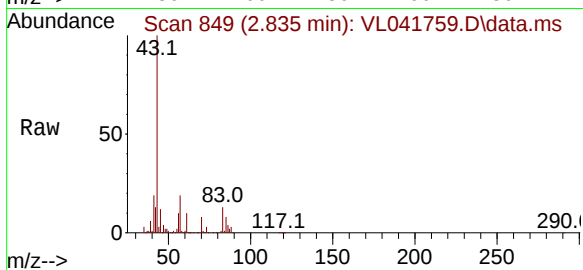
Ion Ratio Lower Upper

43 100

45 10.2 8.1 12.1

61 8.6 7.0 10.6

70 8.0 6.5 9.7



#26

Hexane

Concen: 9.752 ppbv

RT: 2.826 min Scan# 846

Delta R.T. 0.003 min

Lab File: VL041759.D

Acq: 16 Dec 2024 18:59

Tgt Ion: 57 Resp: 87034

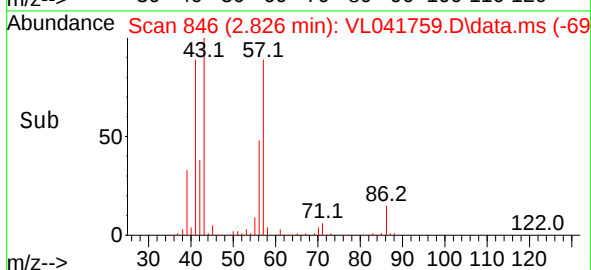
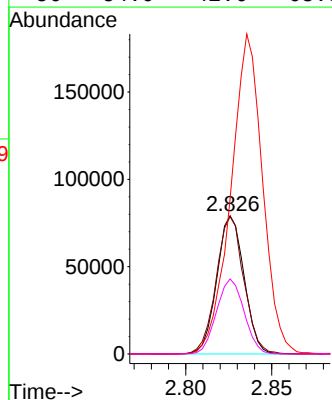
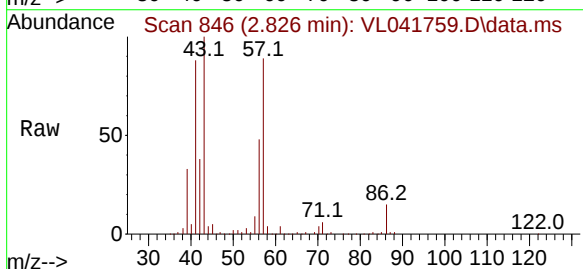
Ion Ratio Lower Upper

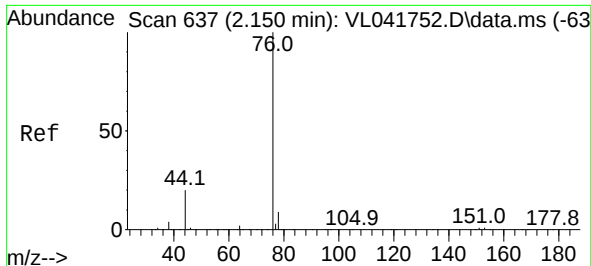
57 100

41 101.5 79.6 119.4

43 270.5 211.0 316.6

56 54.9 42.6 63.8





#27

Carbon Disulfide

Concen: 10.649 ppbv

RT: 2.149 min Scan# 61

Delta R.T. -0.000 min

Lab File: VL041759.D

Acq: 16 Dec 2024 18:59

Instrument :

MSVOA_L

ClientSampleId :

ICVVL121624

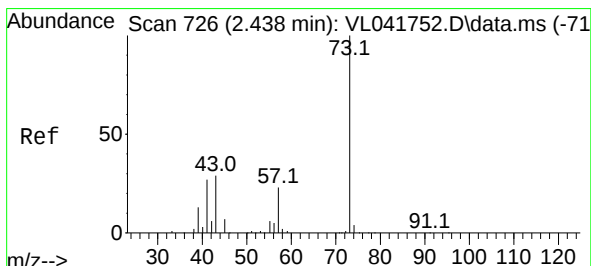
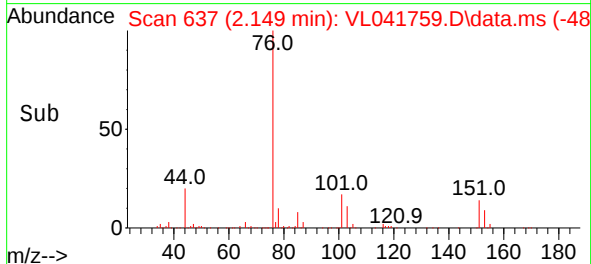
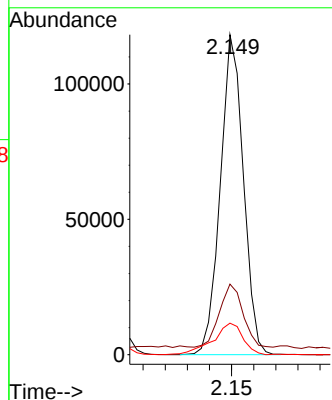
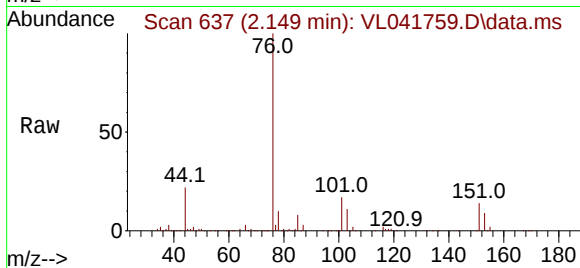
Tgt Ion: 76 Resp: 85650

Ion Ratio Lower Upper

76 100

44 22.3 17.6 26.4

78 12.9 10.2 15.4



#28

Methyl tert-Butyl Ether

Concen: 8.589 ppbv

RT: 2.441 min Scan# 727

Delta R.T. 0.003 min

Lab File: VL041759.D

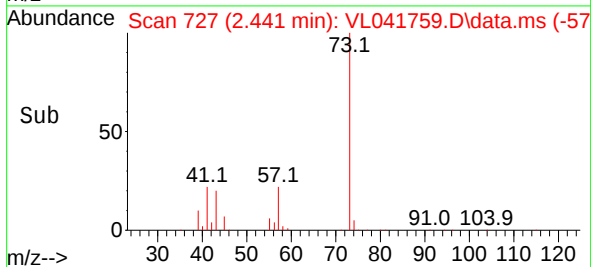
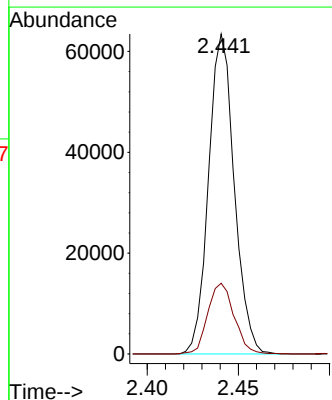
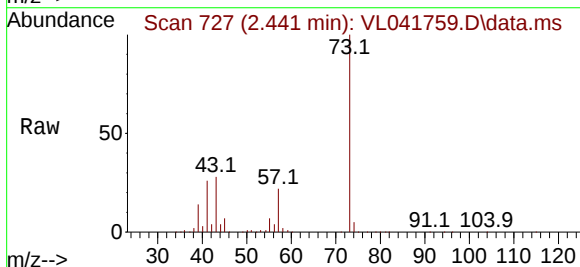
Acq: 16 Dec 2024 18:59

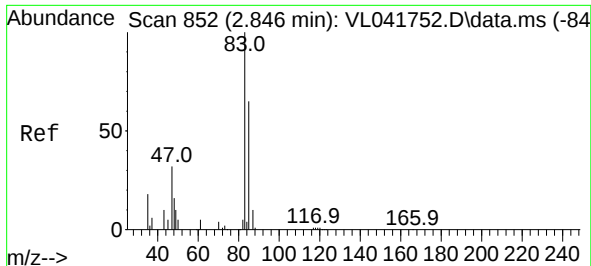
Tgt Ion: 73 Resp: 62189

Ion Ratio Lower Upper

73 100

57 22.7 17.6 26.4





#29

Chloroform

Concen: 9.892 ppbv

RT: 2.848 min Scan# 85

Delta R.T. 0.003 min

Lab File: VL041759.D

Acq: 16 Dec 2024 18:59

Instrument :

MSVOA_L

ClientSampleId :

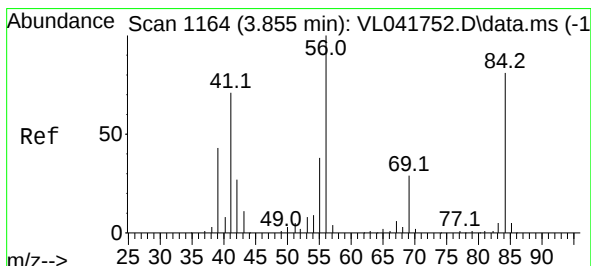
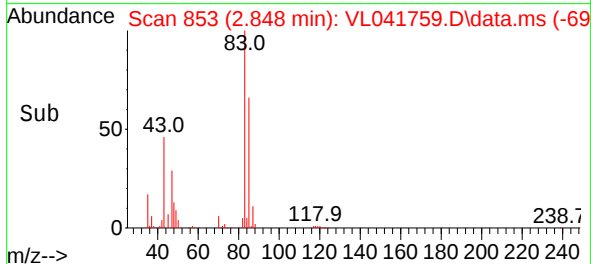
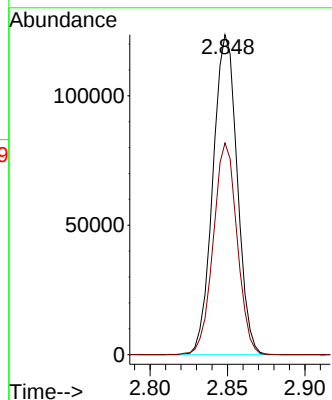
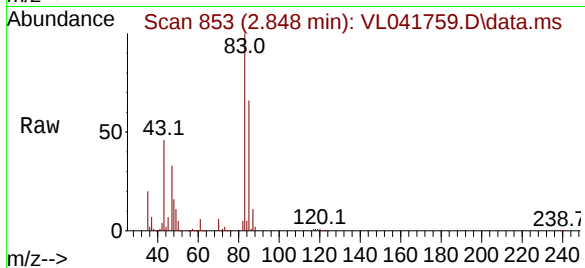
ICVVL121624

Tgt Ion: 83 Resp: 134541

Ion Ratio Lower Upper

83 100

85 66.2 51.8 77.6



#30

Cyclohexane

Concen: 9.912 ppbv

RT: 3.858 min Scan# 1165

Delta R.T. 0.003 min

Lab File: VL041759.D

Acq: 16 Dec 2024 18:59

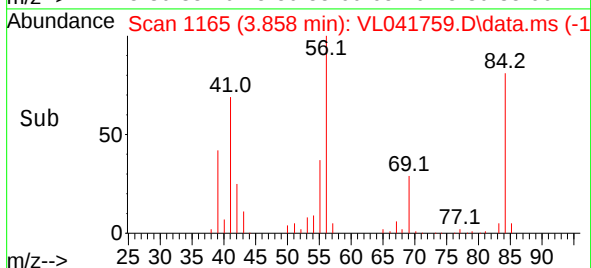
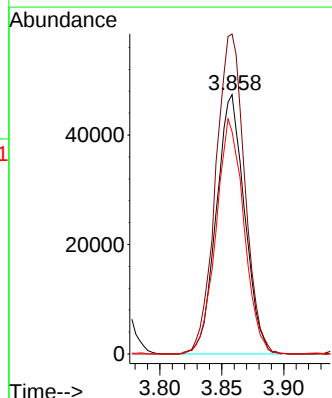
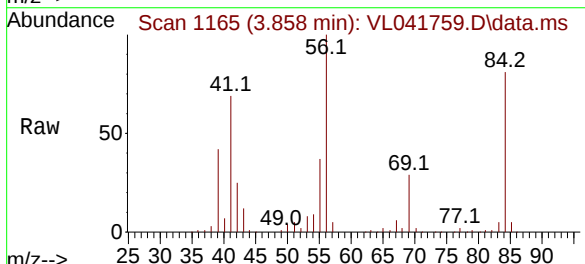
Tgt Ion: 84 Resp: 75274

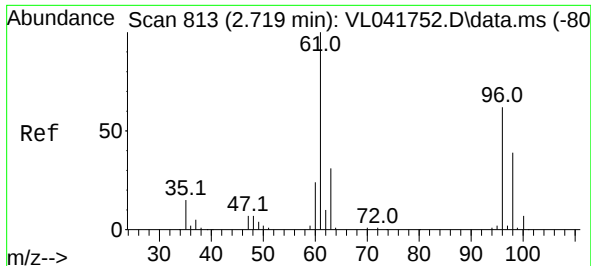
Ion Ratio Lower Upper

84 100

56 126.5 102.3 153.5

41 89.3 74.0 111.0

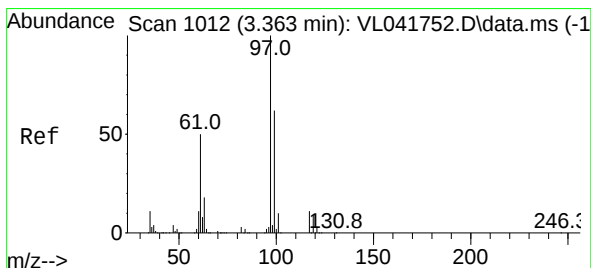
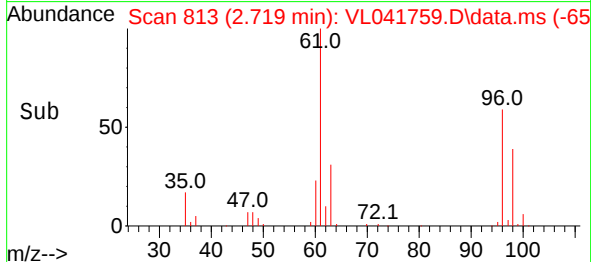
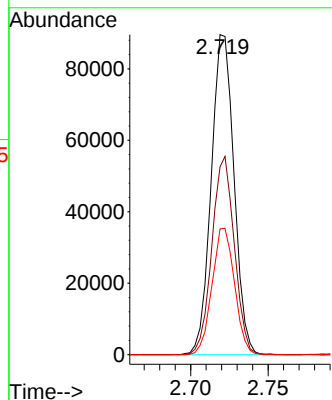
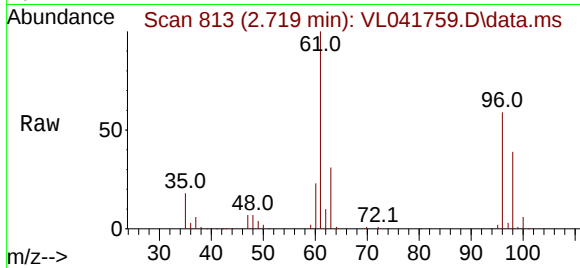




#31
 cis-1,2-Dichloroethene
 Concen: 9.935 ppbv
 RT: 2.719 min Scan# 813
 Delta R.T. -0.000 min
 Lab File: VL041759.D
 Acq: 16 Dec 2024 18:59

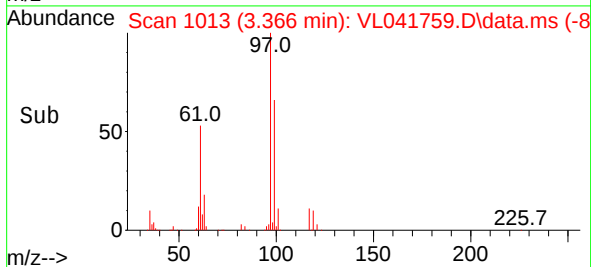
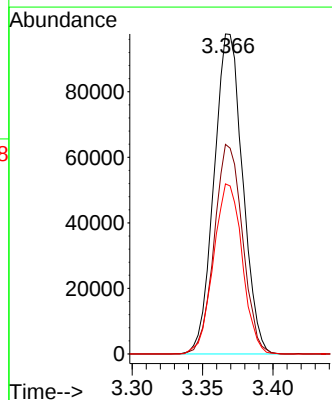
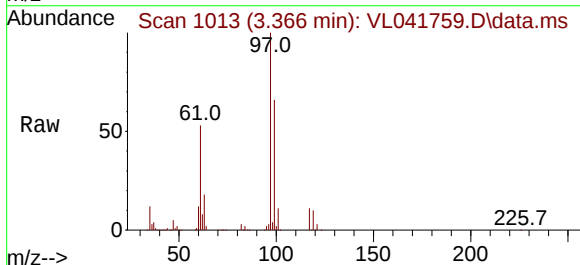
Instrument :
 MSVOA_1
 ClientSampleId :
 ICVVL121624

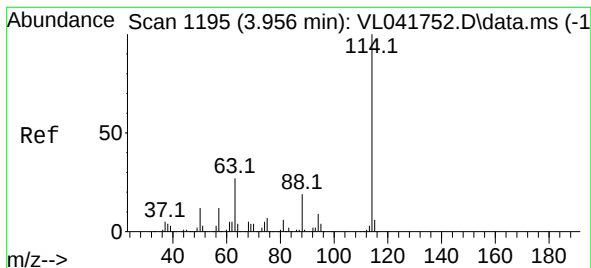
Tgt Ion: 61 Resp: 91628
 Ion Ratio Lower Upper
 61 100
 96 58.7 49.7 74.5
 98 39.3 30.8 46.2



#32
 1,1,1-Trichloroethane
 Concen: 9.979 ppbv
 RT: 3.366 min Scan# 1013
 Delta R.T. 0.003 min
 Lab File: VL041759.D
 Acq: 16 Dec 2024 18:59

Tgt Ion: 97 Resp: 137978
 Ion Ratio Lower Upper
 97 100
 99 64.8 51.0 76.4
 61 53.5 42.2 63.2





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.959 min Scan# 1196

Delta R.T. 0.003 min

Lab File: VL041759.D

Acq: 16 Dec 2024 18:59

Instrument :

MSVOA_L

ClientSampleId :

ICVVL121624

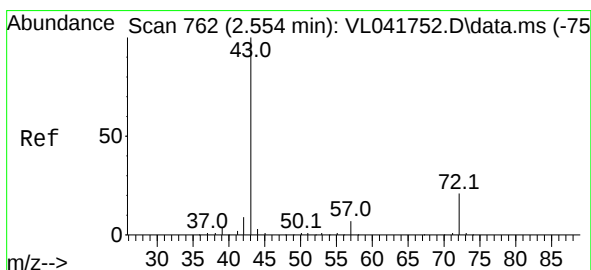
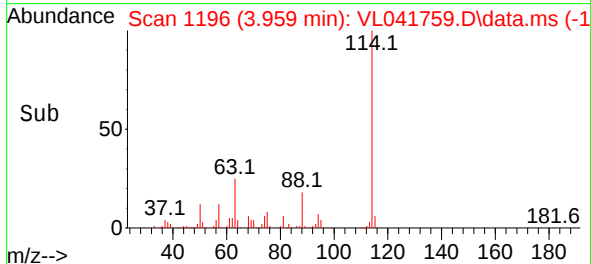
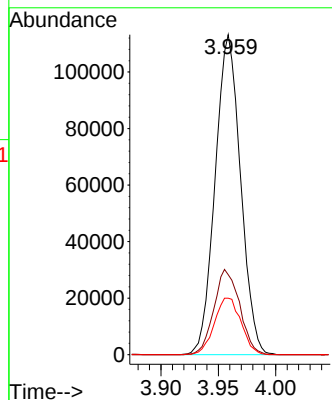
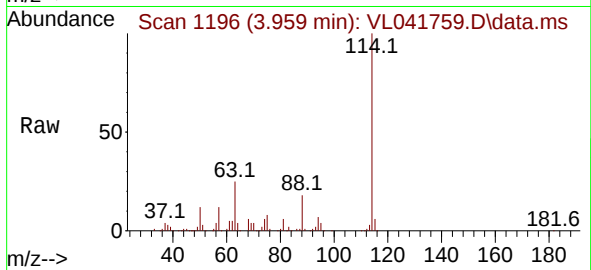
Tgt Ion:114 Resp: 174378

Ion Ratio Lower Upper

114 100

63 27.0 21.8 32.8

88 18.6 14.8 22.2



#34

2-Butanone

Concen: 9.547 ppbv

RT: 2.557 min Scan# 763

Delta R.T. 0.003 min

Lab File: VL041759.D

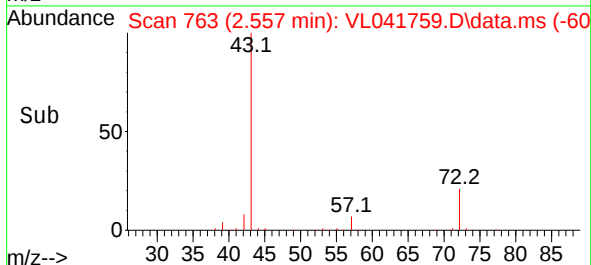
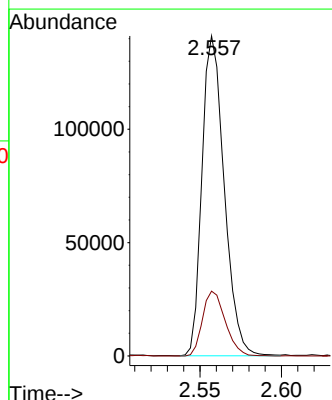
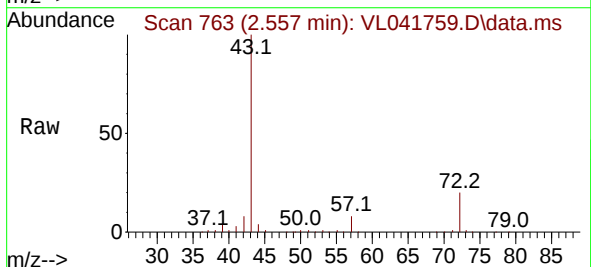
Acq: 16 Dec 2024 18:59

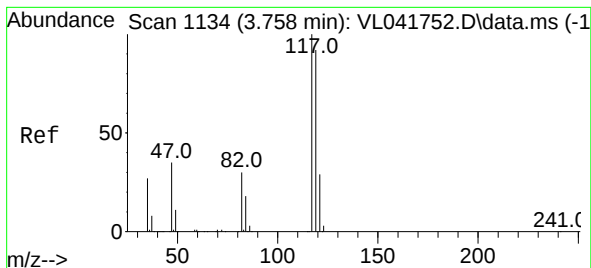
Tgt Ion: 43 Resp: 133939

Ion Ratio Lower Upper

43 100

72 20.7 16.8 25.2





#35

Carbon Tetrachloride

Concen: 11.191 ppbv

RT: 3.764 min Scan# 1136

Delta R.T. 0.006 min

Lab File: VL041759.D

Acq: 16 Dec 2024 18:59

Instrument :

MSVOA_L

ClientSampleId :

ICVVL121624

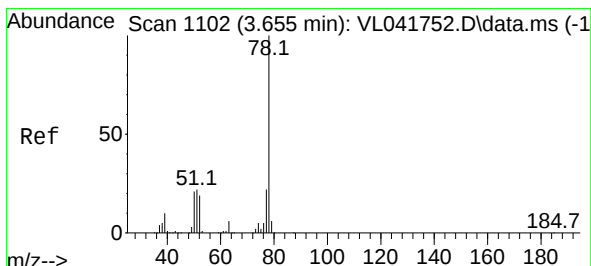
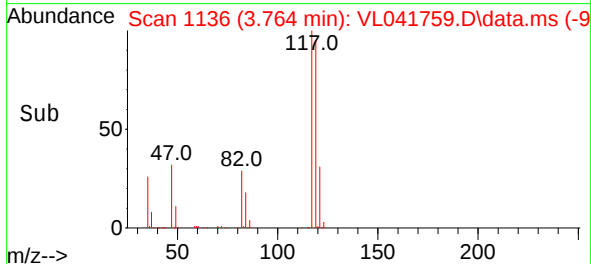
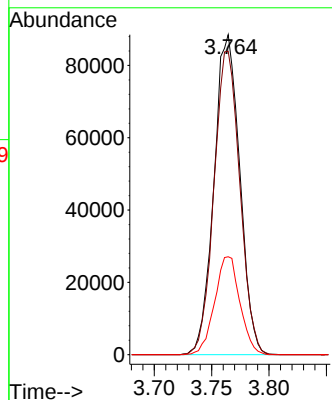
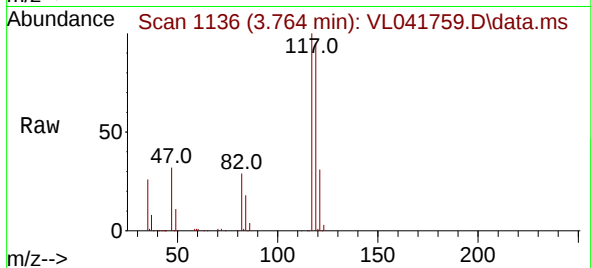
Tgt Ion:117 Resp: 138537

Ion Ratio Lower Upper

117 100

119 94.8 73.7 110.5

121 30.6 23.0 34.4



#36

Benzene

Concen: 9.787 ppbv

RT: 3.658 min Scan# 1103

Delta R.T. 0.003 min

Lab File: VL041759.D

Acq: 16 Dec 2024 18:59

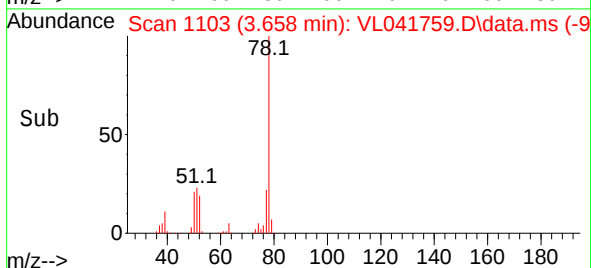
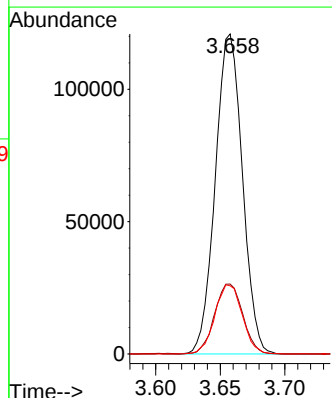
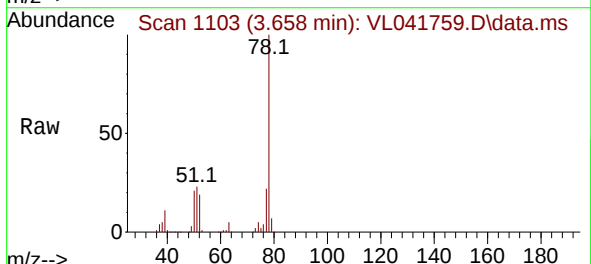
Tgt Ion: 78 Resp: 176537

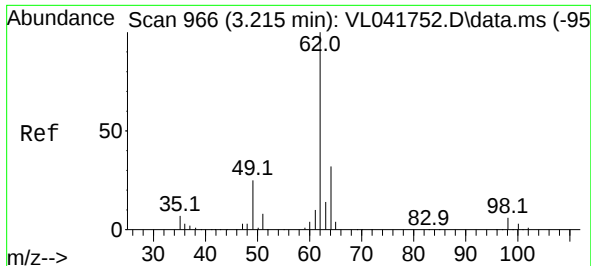
Ion Ratio Lower Upper

78 100

77 21.8 17.8 26.6

50 21.3 17.2 25.8

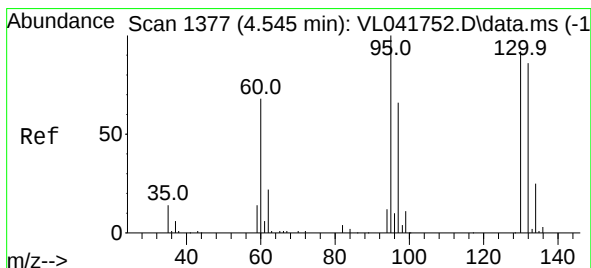
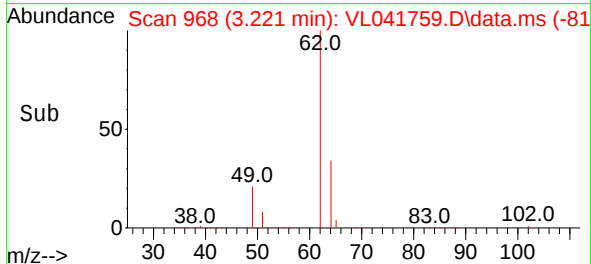
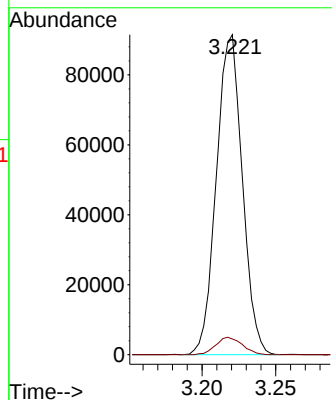
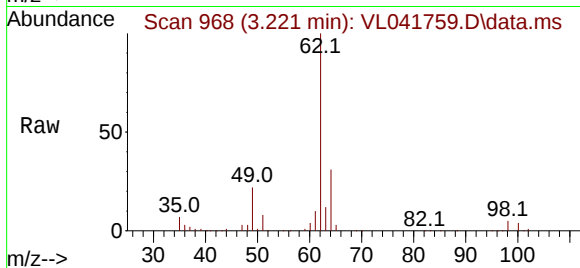




#37
1,2-Dichloroethane
Concen: 9.982 ppbv
RT: 3.221 min Scan# 90
Delta R.T. 0.006 min
Lab File: VL041759.D
Acq: 16 Dec 2024 18:59

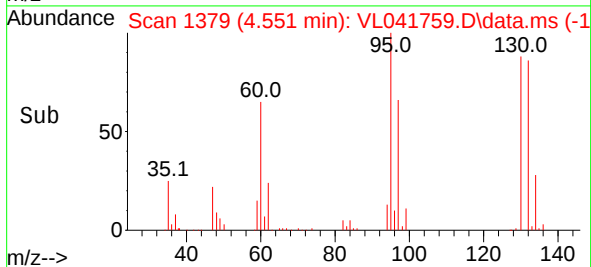
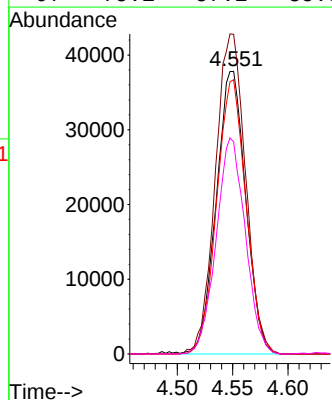
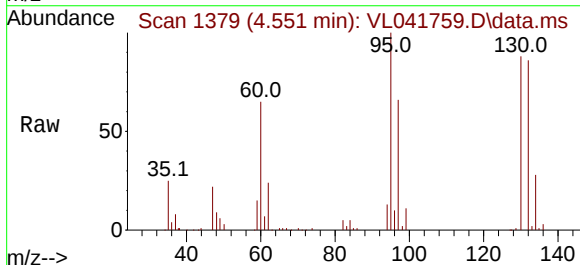
Instrument :
MSVOA_L
ClientSampleId :
ICVVL121624

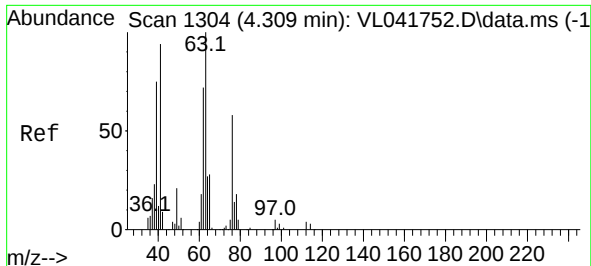
Tgt Ion: 62 Resp: 112037
Ion Ratio Lower Upper
62 100
98 5.5 4.7 7.1



#38
Trichloroethene
Concen: 9.156 ppbv
RT: 4.551 min Scan# 1379
Delta R.T. 0.006 min
Lab File: VL041759.D
Acq: 16 Dec 2024 18:59

Tgt Ion:130 Resp: 70108
Ion Ratio Lower Upper
130 100
95 113.2 87.0 130.6
132 97.0 75.0 112.6
97 75.1 57.2 85.8





#39

1,2-Dichloropropane

Concen: 9.761 ppbv

RT: 4.318 min Scan# 1307

Delta R.T. 0.009 min

Lab File: VL041759.D

Acq: 16 Dec 2024 18:59

Instrument :

MSVOA_L

ClientSampleId :

ICVVL121624

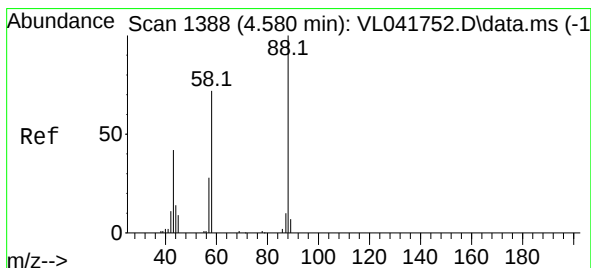
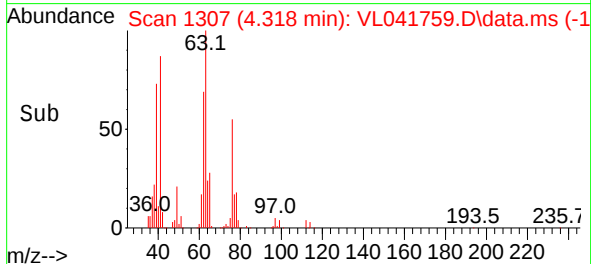
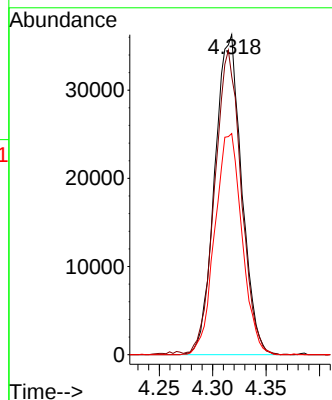
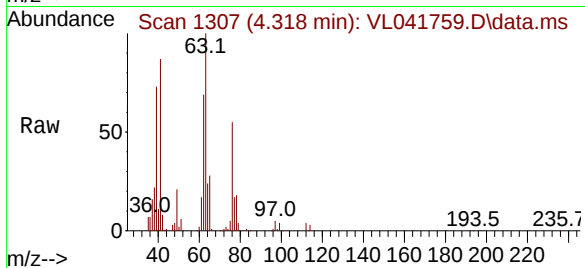
Tgt Ion: 63 Resp: 63675

Ion Ratio Lower Upper

63 100

41 87.0 75.3 112.9

62 69.1 57.3 85.9



#40

1,4-Dioxane

Concen: 9.693 ppbv

RT: 4.583 min Scan# 1389

Delta R.T. 0.003 min

Lab File: VL041759.D

Acq: 16 Dec 2024 18:59

Tgt Ion: 88 Resp: 30891

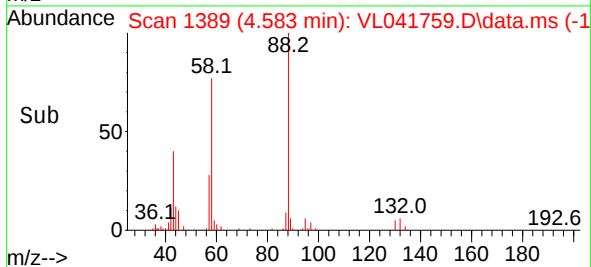
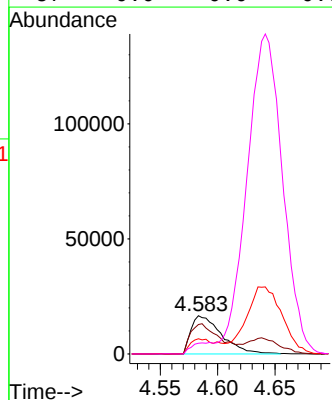
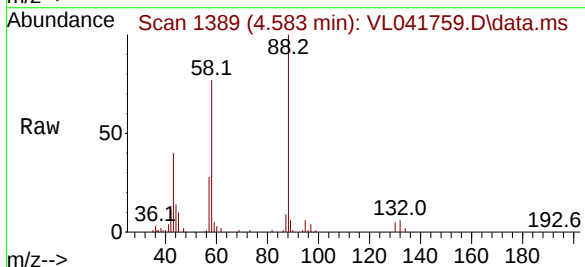
Ion Ratio Lower Upper

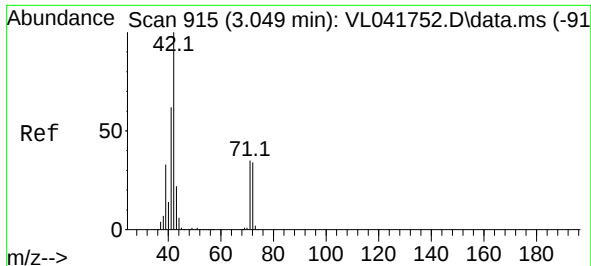
88 100

58 76.6 61.0 91.6

43 39.2 29.4 44.0

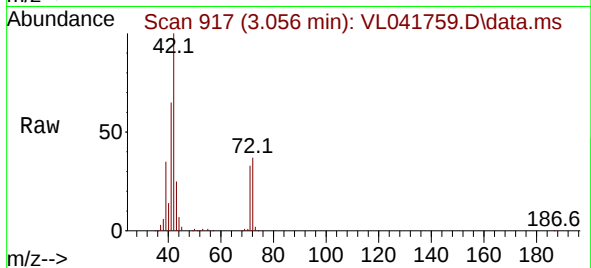
57 0.0 0.0 0.0



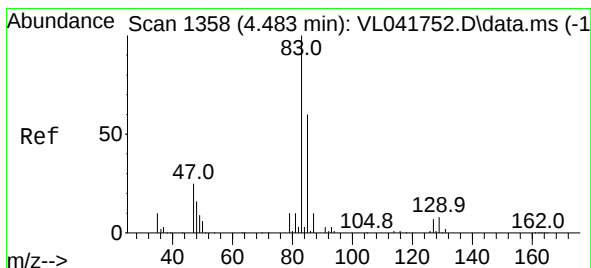
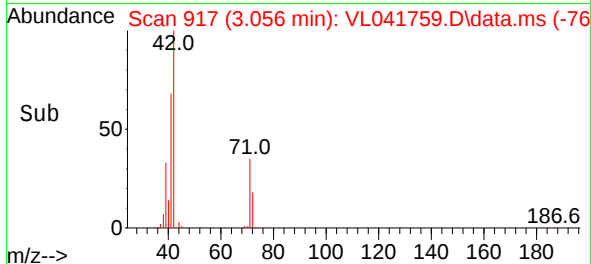
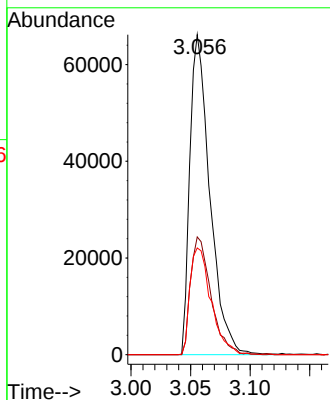


#41
Tetrahydrofuran
Concen: 9.857 ppbv
RT: 3.056 min Scan# 915
Delta R.T. 0.006 min
Lab File: VL041759.D
Acq: 16 Dec 2024 18:59

Instrument :
MSVOA_L
ClientSampleId :
ICVVL121624

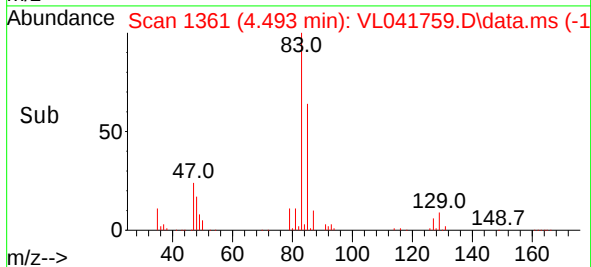
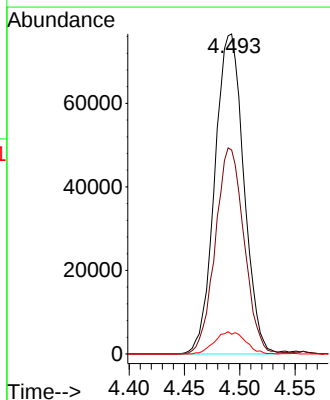
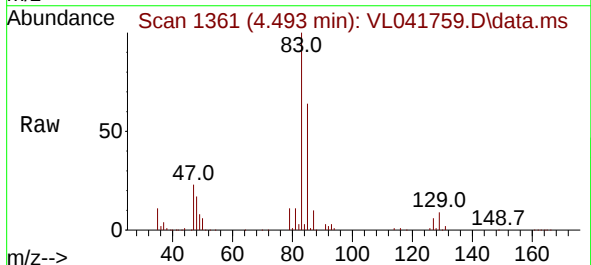


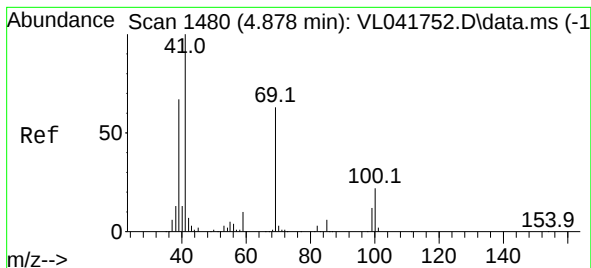
Tgt Ion: 42 Resp: 77472
Ion Ratio Lower Upper
42 100
72 37.5 29.1 43.7
71 35.4 28.4 42.6



#42
Bromodichloromethane
Concen: 10.821 ppbv
RT: 4.493 min Scan# 1361
Delta R.T. 0.009 min
Lab File: VL041759.D
Acq: 16 Dec 2024 18:59

Tgt Ion: 83 Resp: 139717
Ion Ratio Lower Upper
83 100
85 63.7 48.0 72.0
127 6.2 5.8 8.8





#43

Methyl Methacrylate

Concen: 10.229 ppbv

RT: 4.881 min Scan# 1480

Delta R.T. 0.003 min

Lab File: VL041759.D

Acq: 16 Dec 2024 18:59

Instrument :

MSVOA_1

ClientSampleId :

ICVVL121624

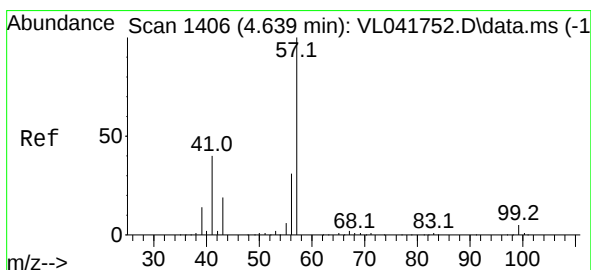
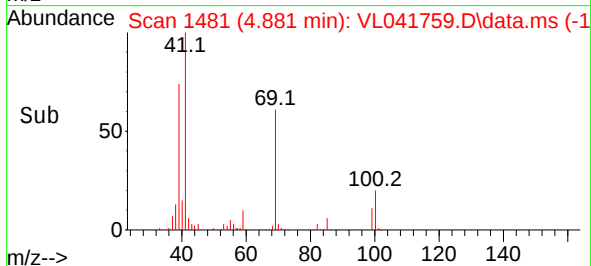
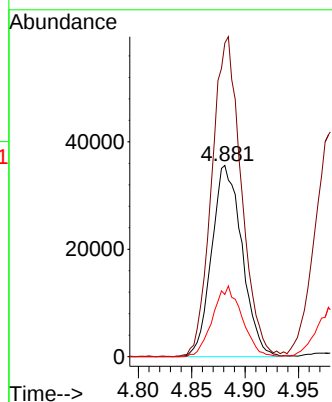
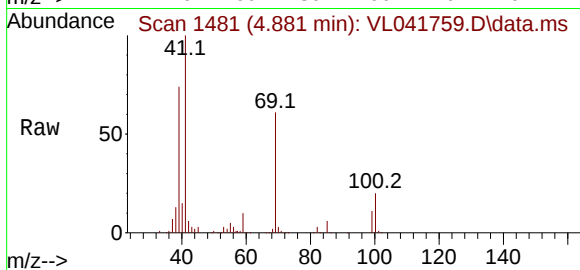
Tgt Ion: 69 Resp: 70299

Ion Ratio Lower Upper

69 100

41 162.5 130.3 195.5

100 35.8 28.3 42.5



#44

2,2,4-Trimethylpentane

Concen: 9.796 ppbv

RT: 4.641 min Scan# 1407

Delta R.T. 0.003 min

Lab File: VL041759.D

Acq: 16 Dec 2024 18:59

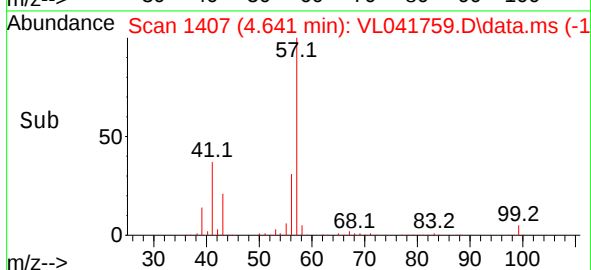
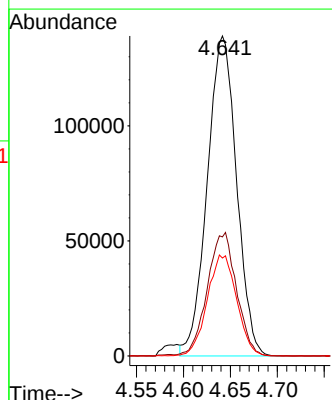
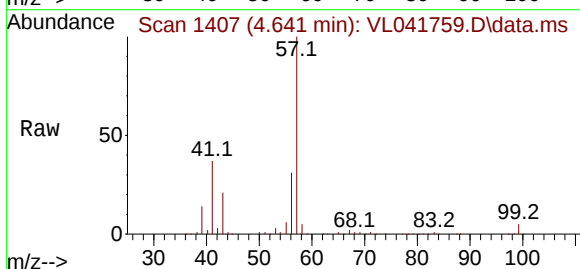
Tgt Ion: 57 Resp: 301772

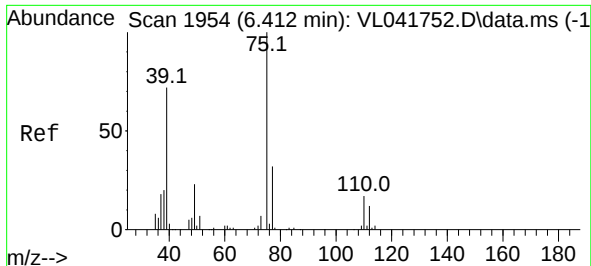
Ion Ratio Lower Upper

57 100

41 38.8 30.7 46.1

56 31.7 25.4 38.0





#45

t-1,3-Dichloropropene

Concen: 10.907 ppbv

RT: 6.415 min Scan# 1954

Delta R.T. 0.003 min

Lab File: VL041759.D

Acq: 16 Dec 2024 18:59

Instrument :

MSVOA_1

ClientSampleId :

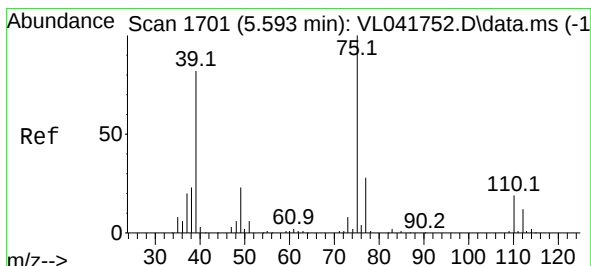
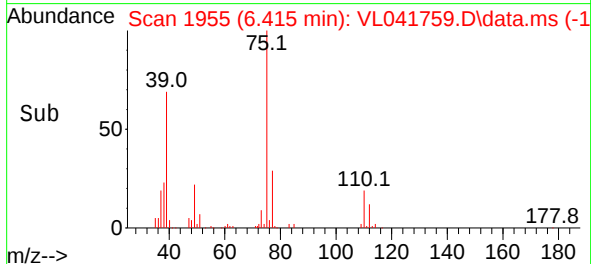
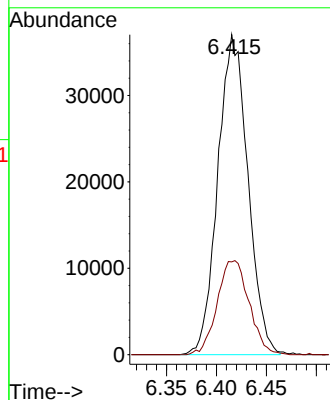
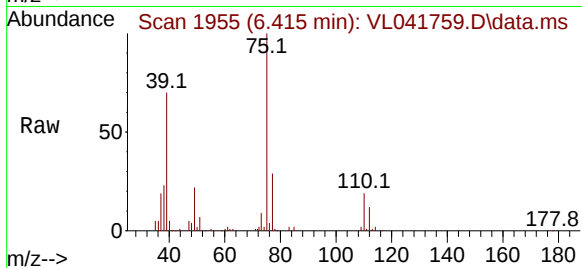
ICVVL121624

Tgt Ion: 75 Resp: 77534

Ion Ratio Lower Upper

75 100

77 29.0 25.9 38.9



#46

cis-1,3-Dichloropropene

Concen: 10.617 ppbv

RT: 5.603 min Scan# 1704

Delta R.T. 0.009 min

Lab File: VL041759.D

Acq: 16 Dec 2024 18:59

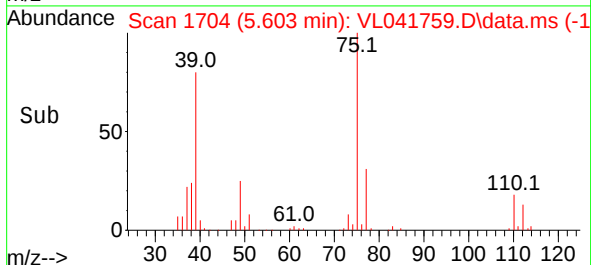
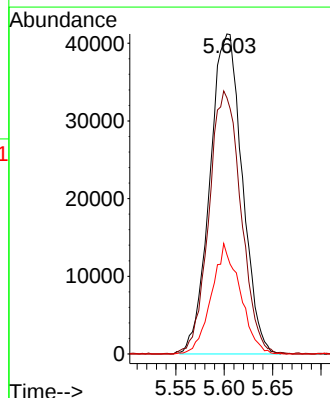
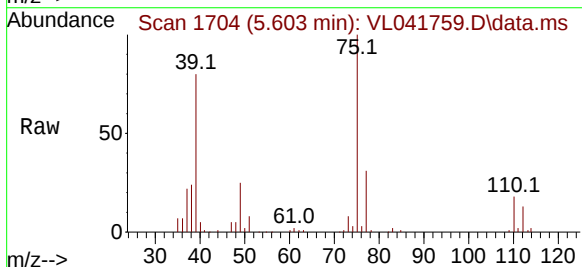
Tgt Ion: 75 Resp: 95812

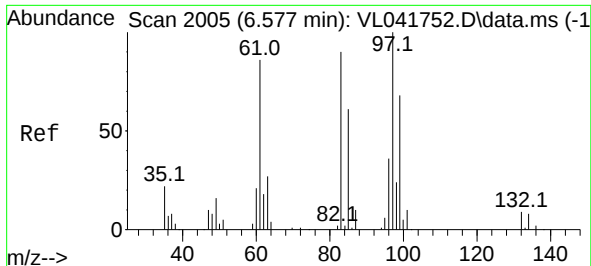
Ion Ratio Lower Upper

75 100

39 79.5 65.2 97.8

77 30.9 22.0 33.0





#47

1,1,2-Trichloroethane

Concen: 5.541 ppbv

RT: 6.587 min Scan# 2005

Delta R.T. 0.009 min

Lab File: VL041759.D

Acq: 16 Dec 2024 18:59

Instrument :

MSVOA_L

ClientSampleId :

ICVVL121624

Tgt Ion: 97 Resp: 37758

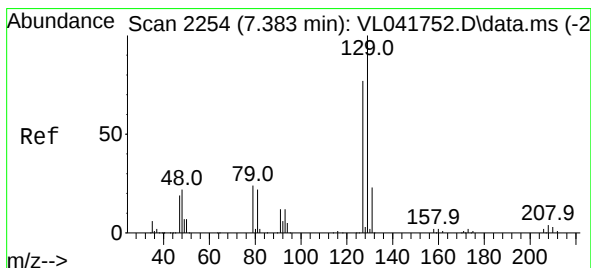
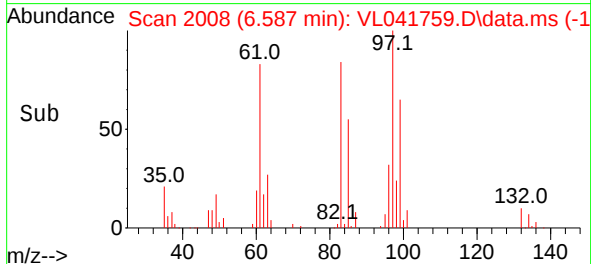
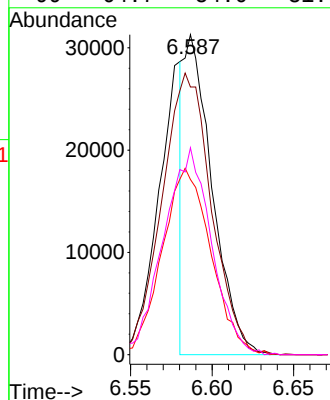
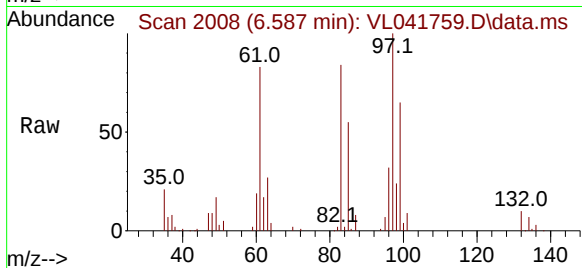
Ion Ratio Lower Upper

97 100

83 83.7 72.3 108.5

85 54.8 48.5 72.7

99 64.7 54.0 81.0



#48

Dibromochloromethane

Concen: 11.326 ppbv

RT: 7.389 min Scan# 2256

Delta R.T. 0.006 min

Lab File: VL041759.D

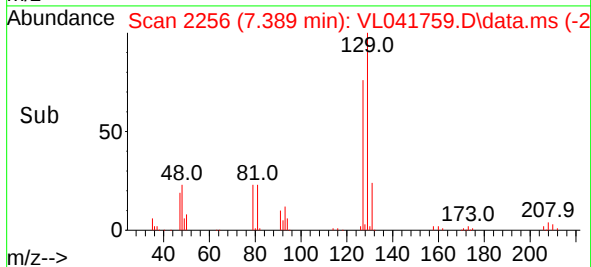
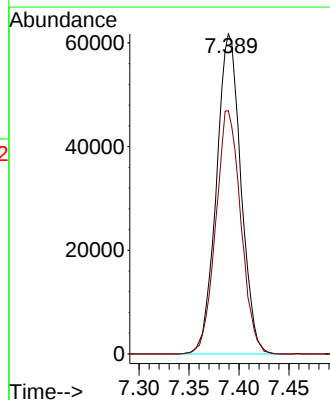
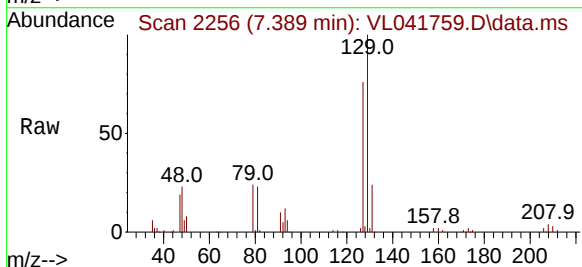
Acq: 16 Dec 2024 18:59

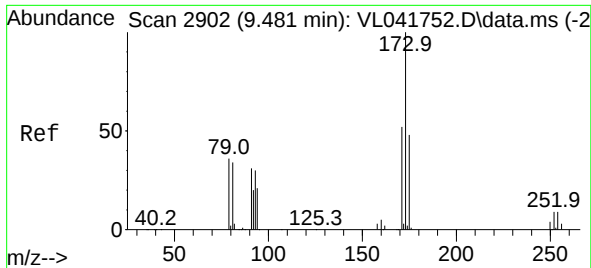
Tgt Ion: 129 Resp: 105378

Ion Ratio Lower Upper

129 100

127 77.8 38.8 116.3





#49

Bromoform

Concen: 11.682 ppbv

RT: 9.487 min Scan# 20

Delta R.T. 0.006 min

Lab File: VL041759.D

Acq: 16 Dec 2024 18:59

Instrument :

MSVOA_L

ClientSampleId :

ICVVL121624

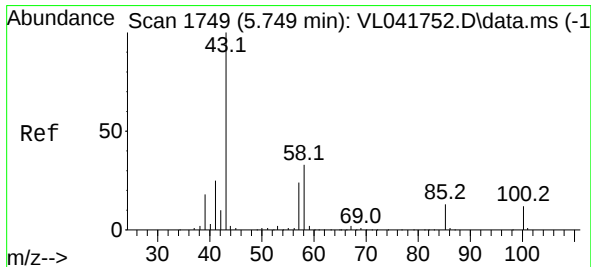
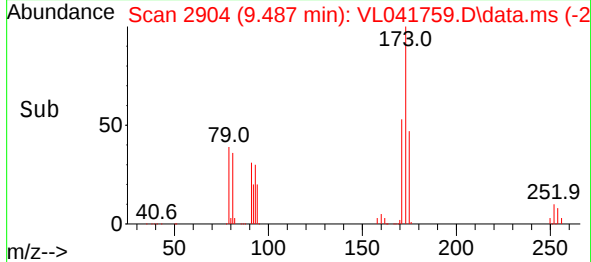
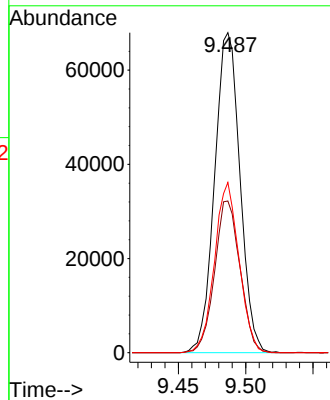
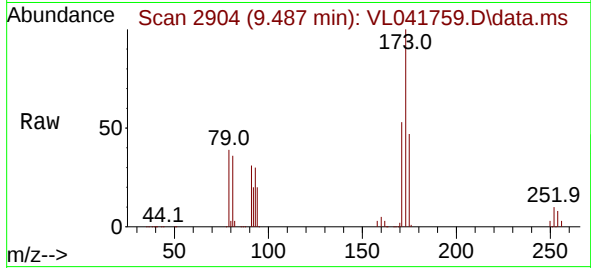
Tgt Ion:173 Resp: 88971

Ion Ratio Lower Upper

173 100

175 47.6 38.2 57.2

171 51.4 41.1 61.7



#50

4-Methyl-2-Pentanone

Concen: 9.980 ppbv

RT: 5.758 min Scan# 1752

Delta R.T. 0.009 min

Lab File: VL041759.D

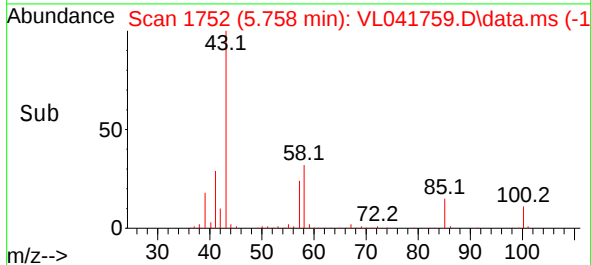
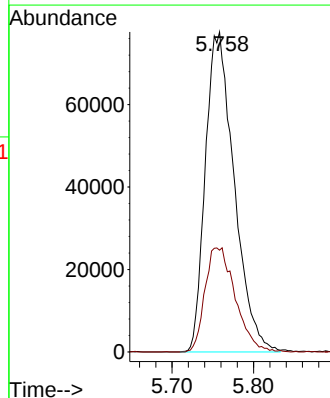
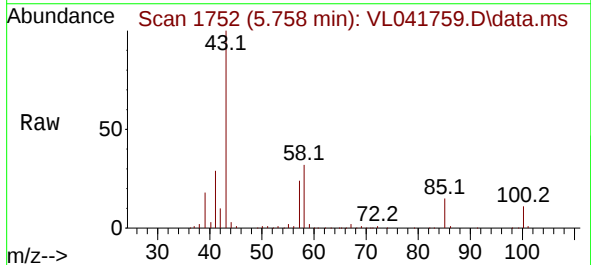
Acq: 16 Dec 2024 18:59

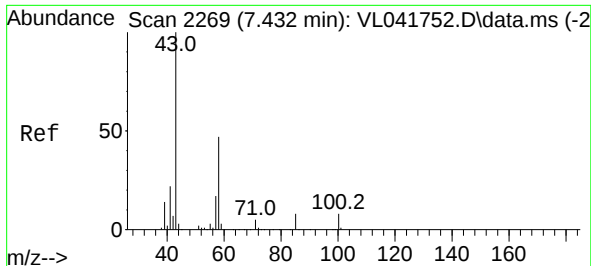
Tgt Ion: 43 Resp: 190637

Ion Ratio Lower Upper

43 100

58 34.3 26.8 40.2

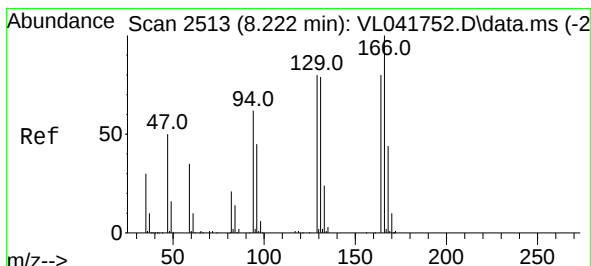
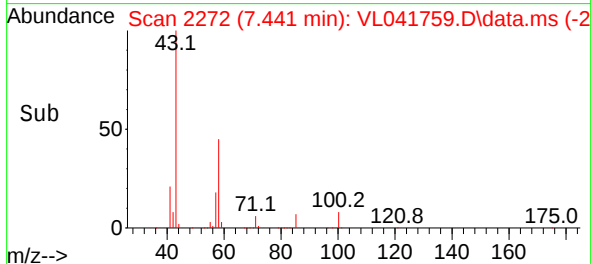
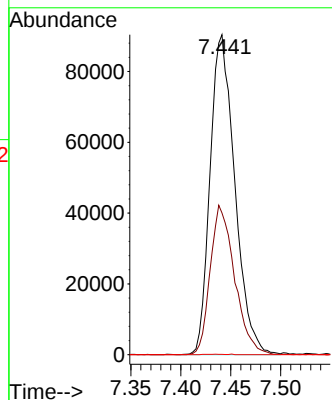
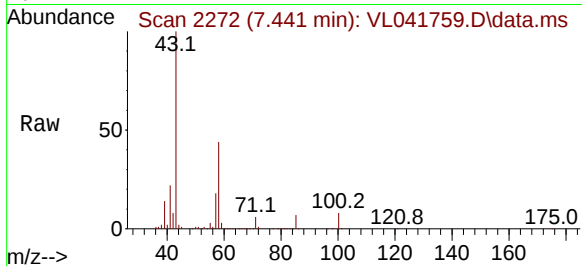




#51
2-Hexanone
Concen: 10.053 ppbv
RT: 7.441 min Scan# 21
Delta R.T. 0.009 min
Lab File: VL041759.D
Acq: 16 Dec 2024 18:59

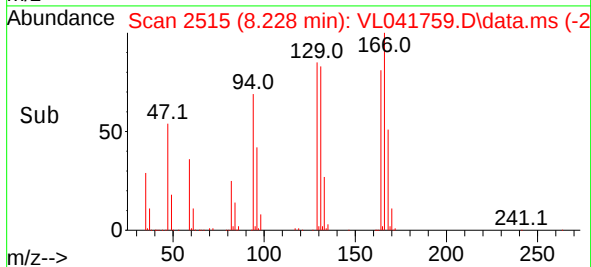
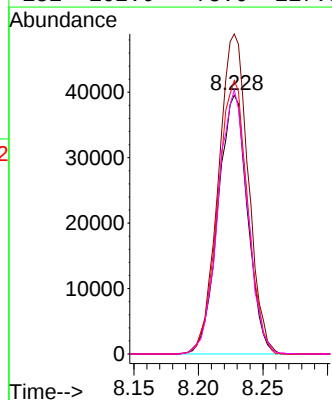
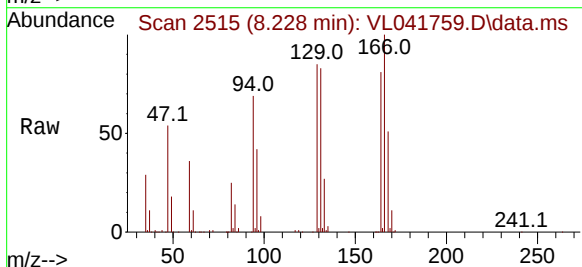
Instrument :
MSVOA_L
ClientSampleId :
ICVVL121624

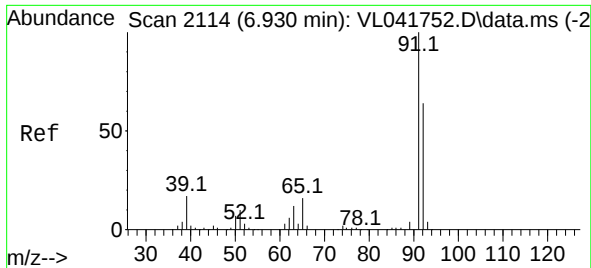
Tgt Ion: 43 Resp: 155646
Ion Ratio Lower Upper
43 100
58 46.0 36.6 55.0
98 0.1 0.1 0.1#



#52
Tetrachloroethene
Concen: 9.351 ppbv
RT: 8.228 min Scan# 2515
Delta R.T. 0.006 min
Lab File: VL041759.D
Acq: 16 Dec 2024 18:59

Tgt Ion:164 Resp: 62782
Ion Ratio Lower Upper
164 100
166 123.4 99.8 149.6
129 105.6 79.6 119.4
131 102.0 78.6 117.8





#53

Toluene

Concen: 9.768 ppbv

RT: 6.933 min Scan# 2114

Delta R.T. 0.003 min

Lab File: VL041759.D

Acq: 16 Dec 2024 18:59

Instrument :

MSVOA_L

ClientSampleId :

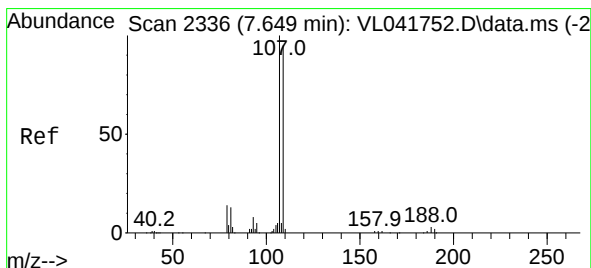
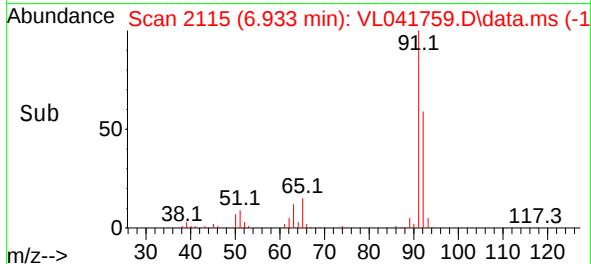
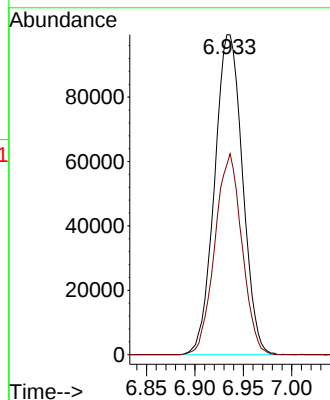
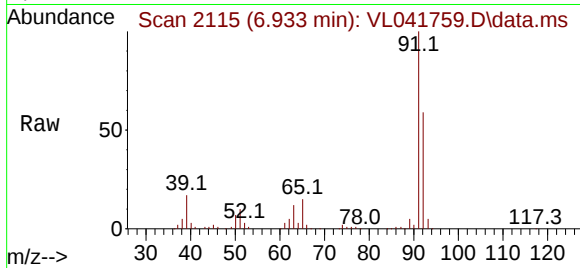
ICVVL121624

Tgt Ion: 91 Resp: 199754

Ion Ratio Lower Upper

91 100

92 60.8 47.9 71.9



#54

1,2-Dibromoethane

Concen: 9.952 ppbv

RT: 7.655 min Scan# 2338

Delta R.T. 0.006 min

Lab File: VL041759.D

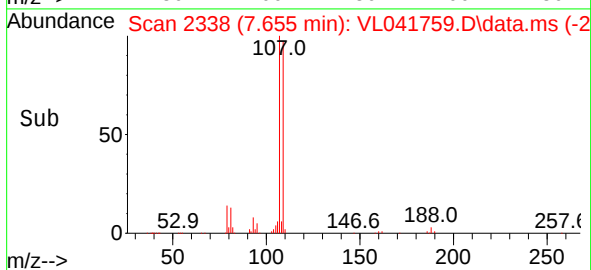
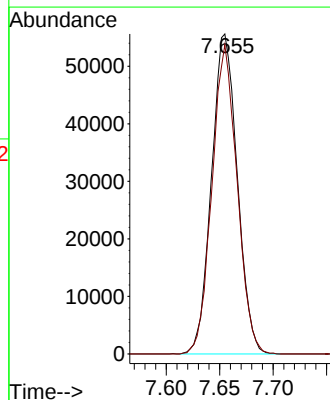
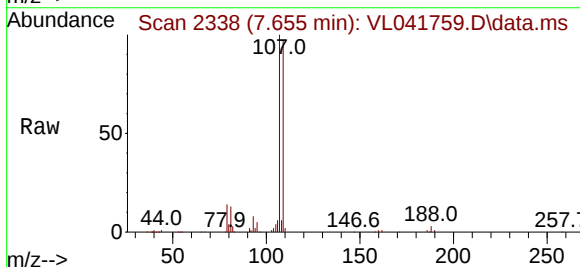
Acq: 16 Dec 2024 18:59

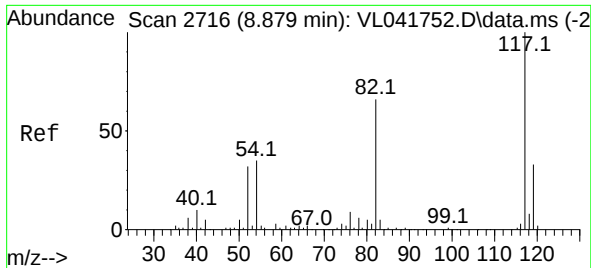
Tgt Ion: 107 Resp: 93439

Ion Ratio Lower Upper

107 100

109 96.6 75.9 113.9





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.885 min Scan# 2718

Delta R.T. 0.006 min

Lab File: VL041759.D

Acq: 16 Dec 2024 18:59

Instrument :

MSVOA_L

ClientSampleId :

ICVVL121624

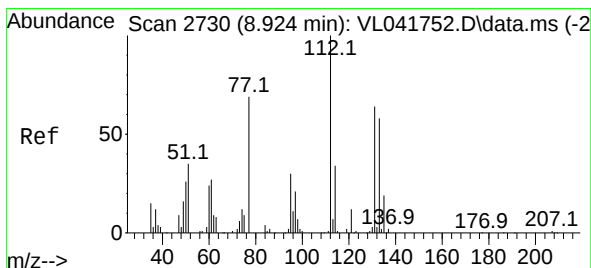
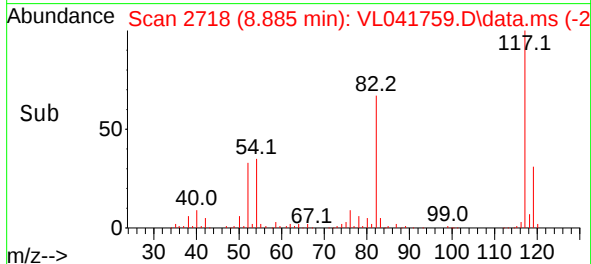
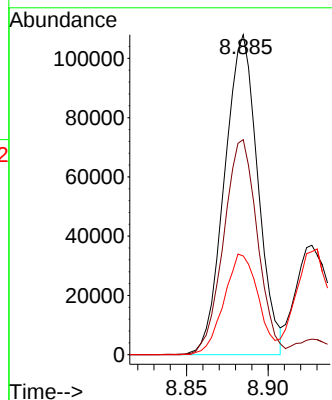
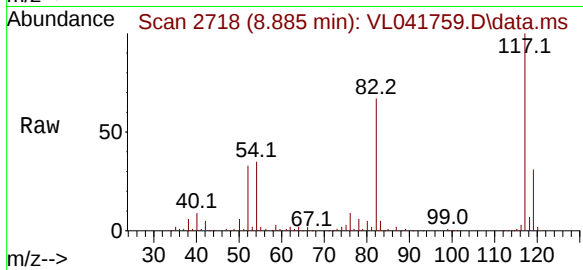
Tgt Ion:117 Resp: 153443

Ion Ratio Lower Upper

117 100

82 73.4 53.8 80.8

119 32.8 26.7 40.1



#56

1,1,1,2-Tetrachloroethane

Concen: 10.558 ppbv

RT: 8.927 min Scan# 2731

Delta R.T. 0.003 min

Lab File: VL041759.D

Acq: 16 Dec 2024 18:59

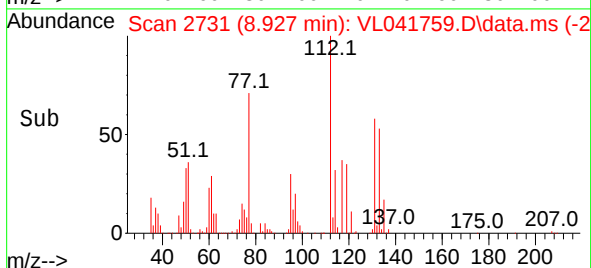
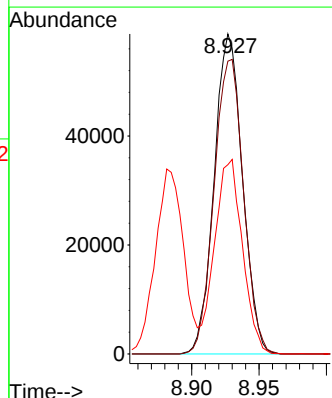
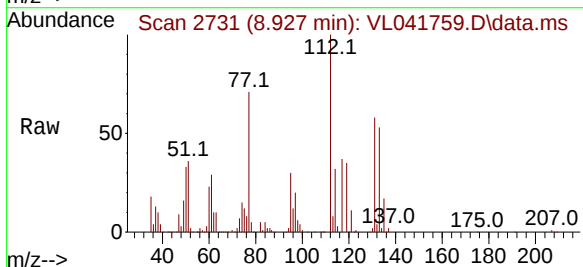
Tgt Ion:131 Resp: 85883

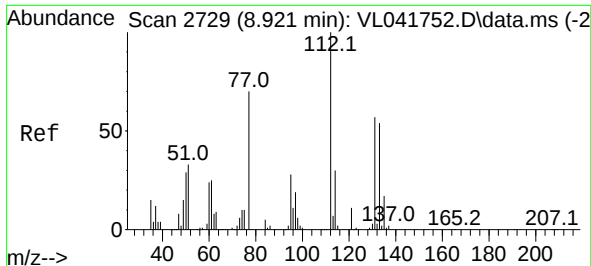
Ion Ratio Lower Upper

131 100

133 95.7 76.8 115.2

119 60.2 49.0 73.6





#57

Chlorobenzene

Concen: 9.888 ppbv

RT: 8.924 min Scan# 21

Delta R.T. 0.003 min

Lab File: VL041759.D

Acq: 16 Dec 2024 18:59

Instrument :

MSVOA_L

ClientSampleId :

ICVVL121624

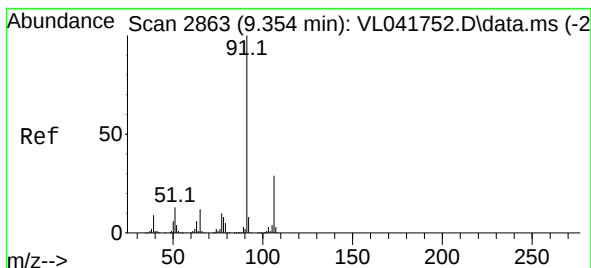
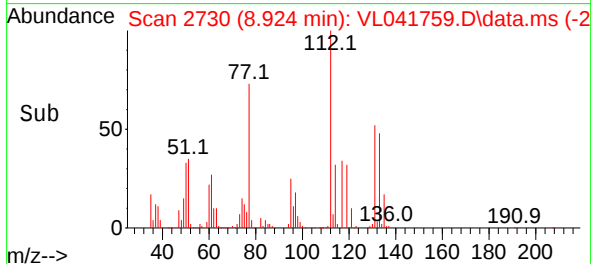
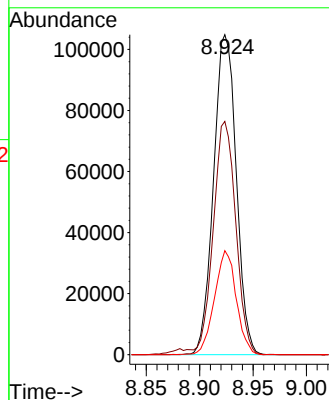
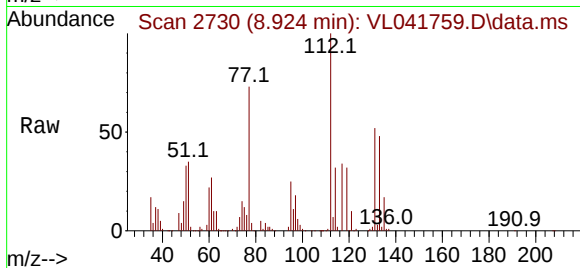
Tgt Ion:112 Resp: 155257

Ion Ratio Lower Upper

112 100

77 72.9 57.4 86.0

114 32.5 27.4 33.4



#58

Ethyl Benzene

Concen: 10.308 ppbv

RT: 9.357 min Scan# 2864

Delta R.T. 0.003 min

Lab File: VL041759.D

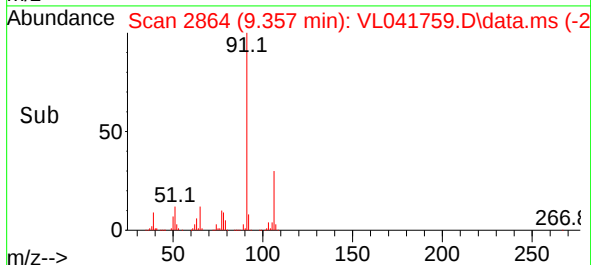
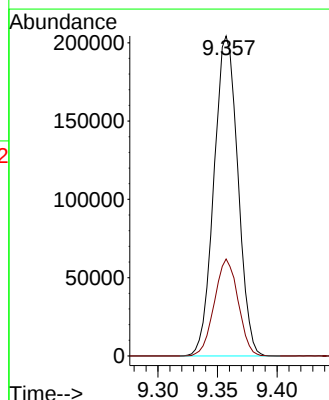
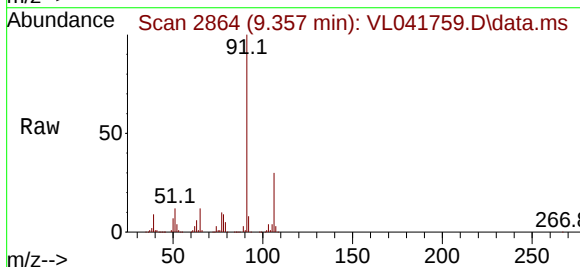
Acq: 16 Dec 2024 18:59

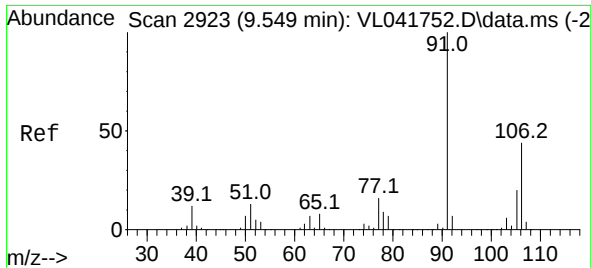
Tgt Ion: 91 Resp: 284770

Ion Ratio Lower Upper

91 100

106 30.3 23.5 35.3

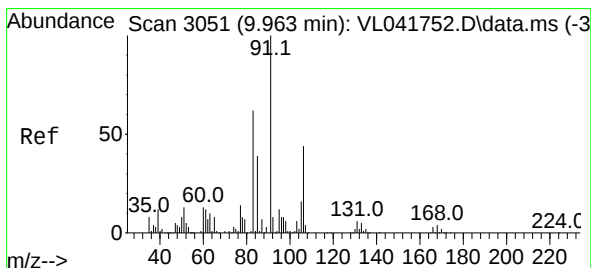
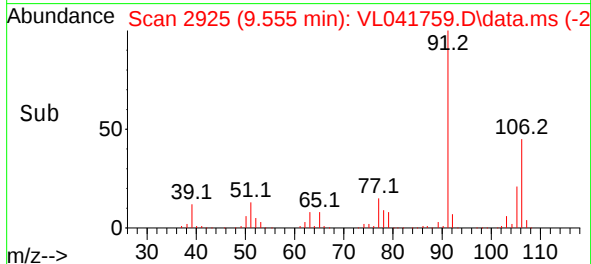
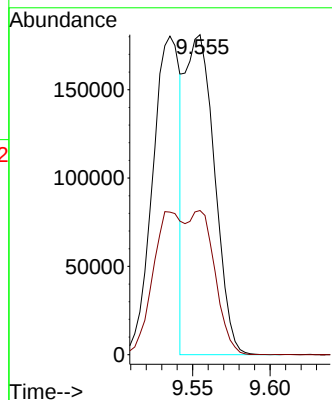
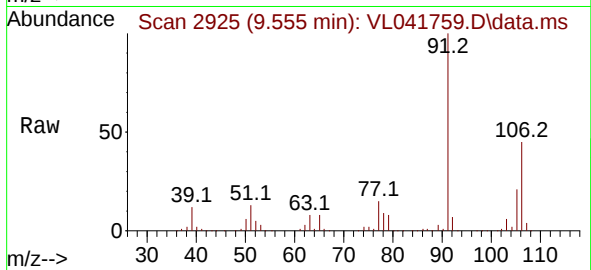




#59
m/p-Xylene
Concen: 10.735 ppbv
RT: 9.555 min Scan# 2923
Delta R.T. 0.006 min
Lab File: VL041759.D
Acq: 16 Dec 2024 18:59

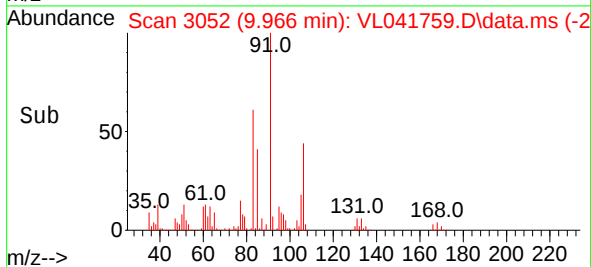
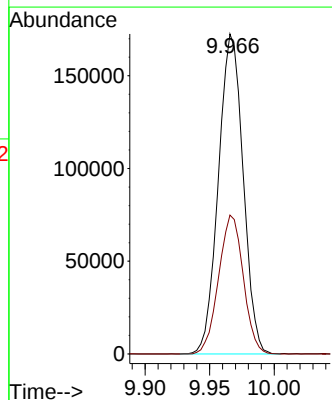
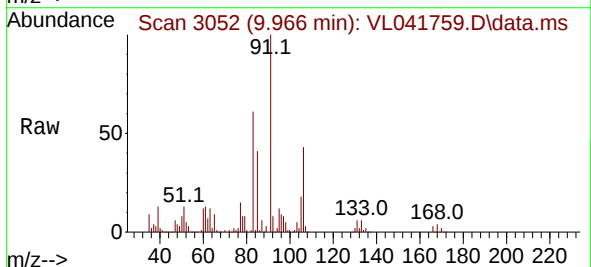
Instrument :
MSVOA_1
ClientSampleId :
ICVVL121624

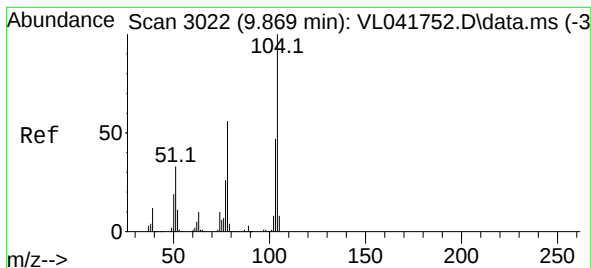
Tgt Ion: 91 Resp: 238458
Ion Ratio Lower Upper
91 100
106 87.6 0.0 0.0#



#60
o-Xylene
Concen: 10.304 ppbv
RT: 9.966 min Scan# 3052
Delta R.T. 0.003 min
Lab File: VL041759.D
Acq: 16 Dec 2024 18:59

Tgt Ion: 91 Resp: 229517
Ion Ratio Lower Upper
91 100
106 43.3 21.1 63.4





#61

Styrene

Concen: 11.093 ppbv

RT: 9.875 min Scan# 3022

Delta R.T. 0.006 min

Lab File: VL041759.D

Acq: 16 Dec 2024 18:59

Instrument :

MSVOA_L

ClientSampleId :

ICVVL121624

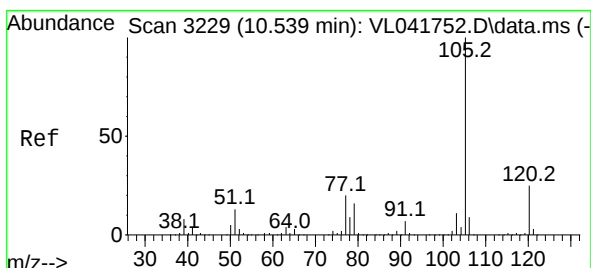
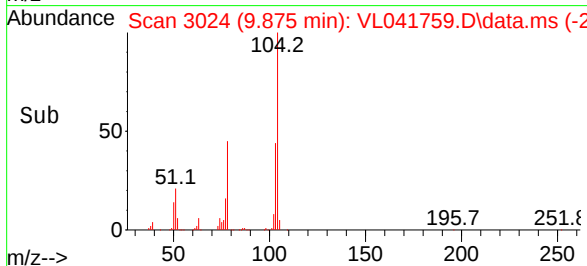
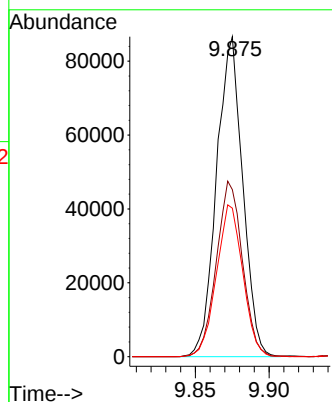
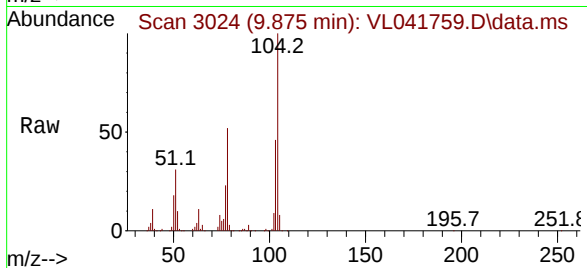
Tgt Ion:104 Resp: 106841

Ion Ratio Lower Upper

104 100

78 54.8 43.8 65.6

103 47.9 37.8 56.6



#62

Isopropylbenzene

Concen: 10.425 ppbv

RT: 10.542 min Scan# 3230

Delta R.T. 0.003 min

Lab File: VL041759.D

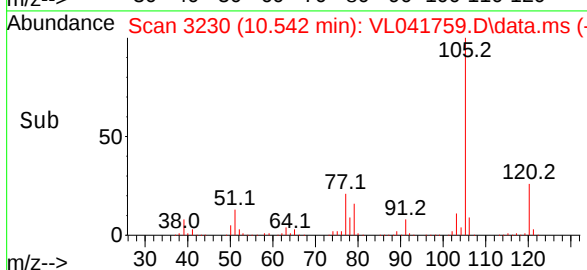
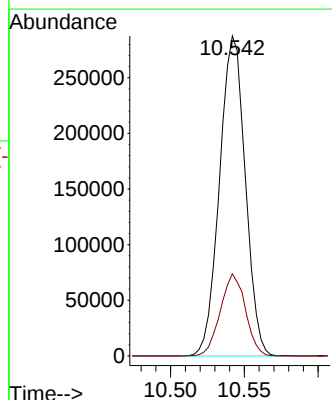
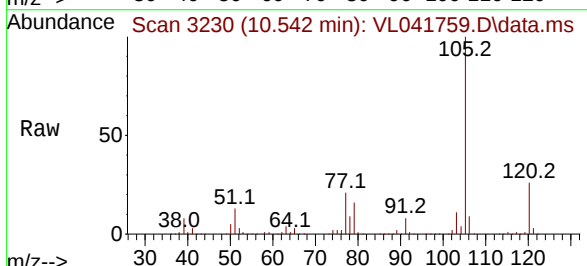
Acq: 16 Dec 2024 18:59

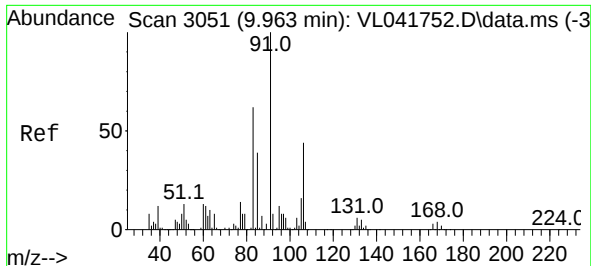
Tgt Ion:105 Resp: 348887

Ion Ratio Lower Upper

105 100

120 25.0 19.8 29.8





#63

1,1,2,2-Tetrachloroethane

Concen: 9.865 ppbv

RT: 9.966 min Scan# 3051

Delta R.T. 0.003 min

Lab File: VL041759.D

Acq: 16 Dec 2024 18:59

Instrument :

MSVOA_L

ClientSampleId :

ICVVL121624

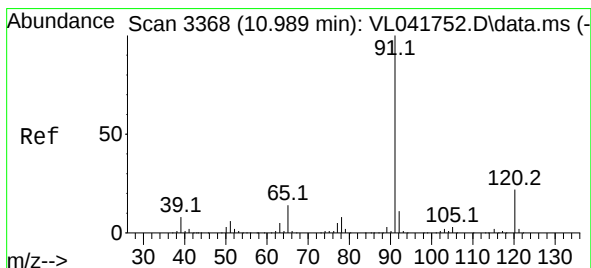
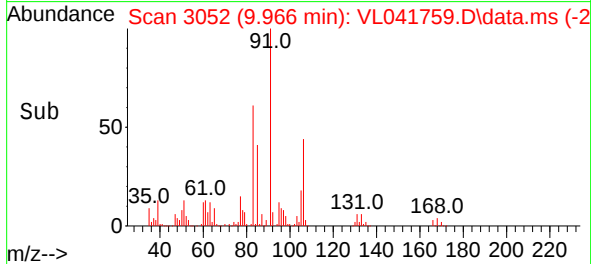
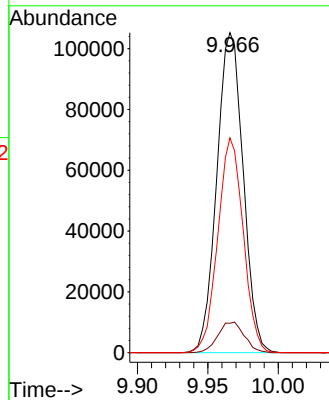
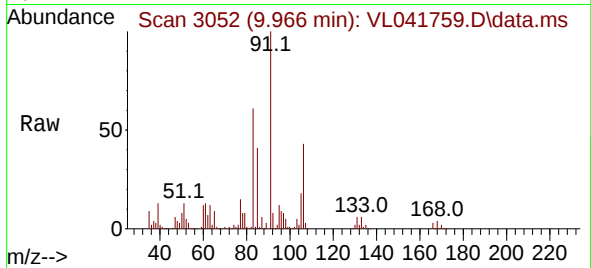
Tgt Ion: 83 Resp: 137547

Ion Ratio Lower Upper

83 100

131 9.6 4.9 14.7

85 64.6 32.0 96.2



#64

n-propylbenzene

Concen: 10.384 ppbv

RT: 10.992 min Scan# 3369

Delta R.T. 0.003 min

Lab File: VL041759.D

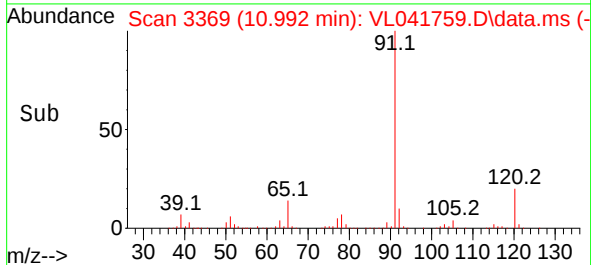
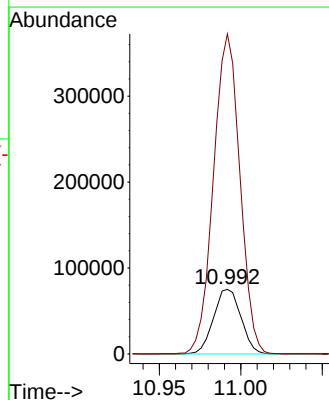
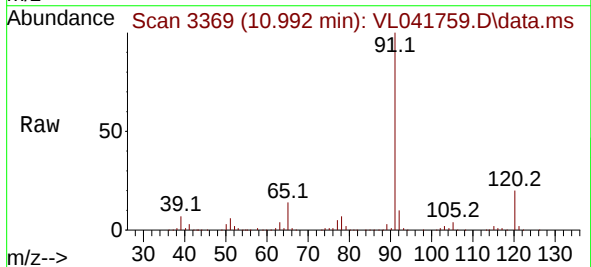
Acq: 16 Dec 2024 18:59

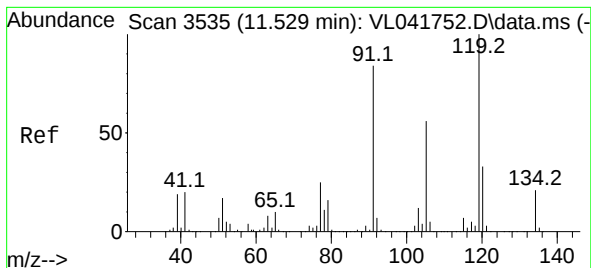
Tgt Ion:120 Resp: 87865

Ion Ratio Lower Upper

120 100

91 479.0 387.3 580.9





#65

tert-Butylbenzene

Concen: 10.194 ppbv

RT: 11.536 min Scan# 3537

Delta R.T. 0.006 min

Lab File: VL041759.D

Acq: 16 Dec 2024 18:59

Instrument :

MSVOA_L

ClientSampleId :

ICVVL121624

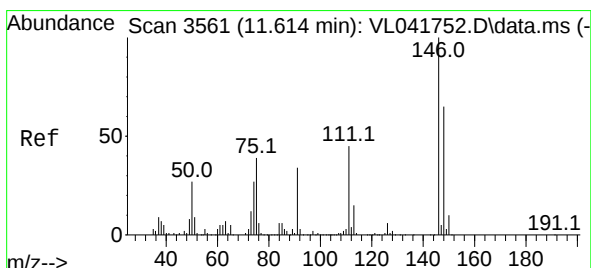
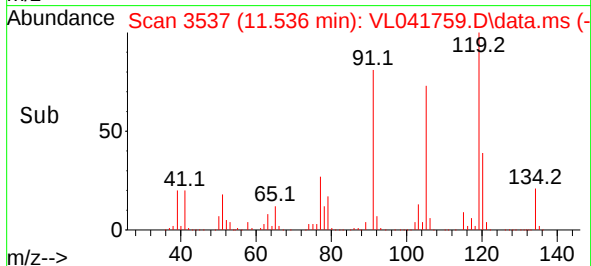
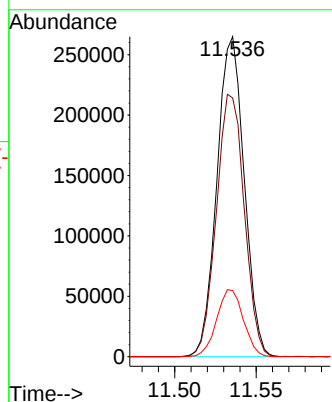
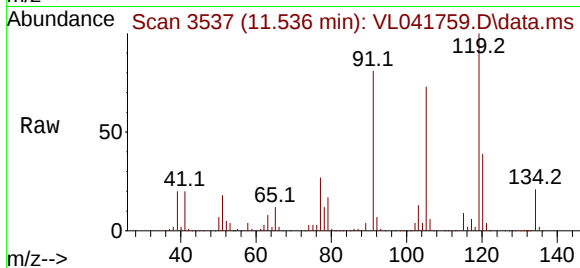
Tgt Ion:119 Resp: 307790

Ion Ratio Lower Upper

119 100

91 84.2 67.0 100.4

134 20.5 16.5 24.7



#66

Benzyl Chloride

Concen: 11.054 ppbv

RT: 11.620 min Scan# 3563

Delta R.T. 0.006 min

Lab File: VL041759.D

Acq: 16 Dec 2024 18:59

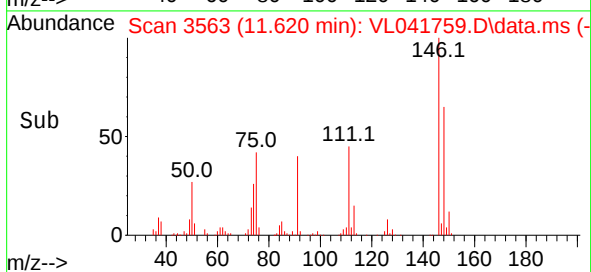
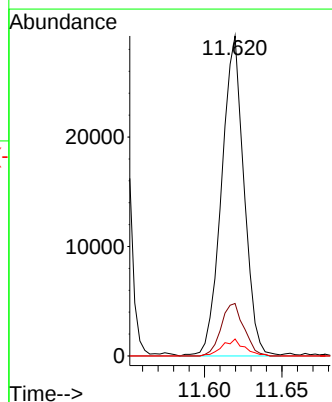
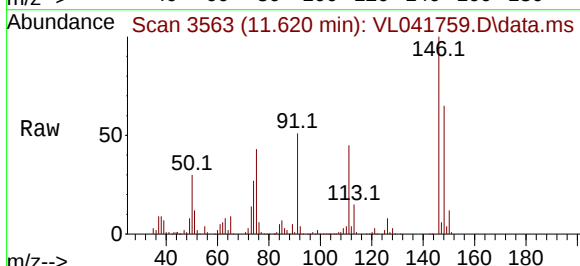
Tgt Ion: 91 Resp: 29398

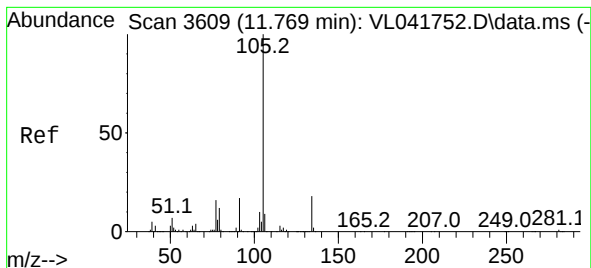
Ion Ratio Lower Upper

91 100

126 16.7 13.9 20.9

128 5.2 4.4 6.6





#67

sec-Butylbenzene

Concen: 10.304 ppbv

RT: 11.772 min Scan# 3610

Delta R.T. 0.003 min

Lab File: VL041759.D

Acq: 16 Dec 2024 18:59

Instrument :

MSVOA_L

ClientSampleId :

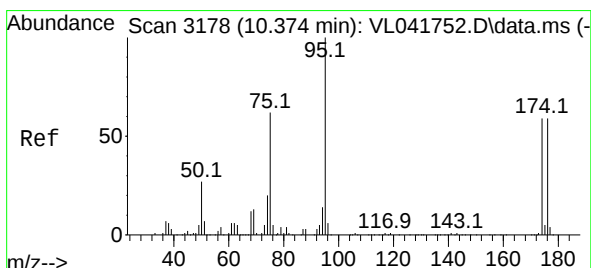
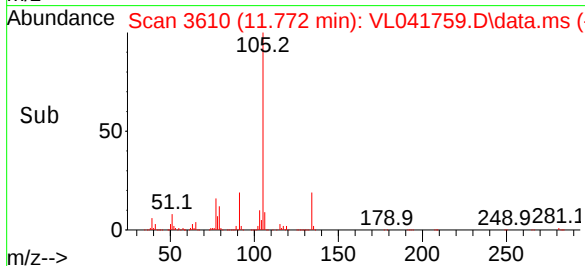
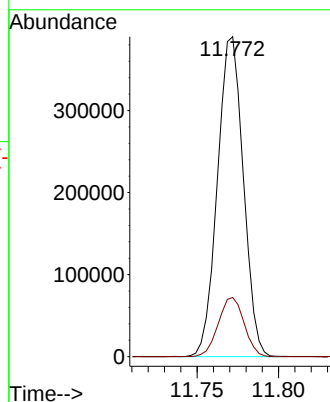
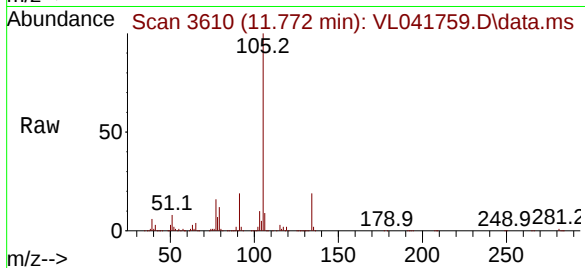
ICVVL121624

Tgt Ion:105 Resp: 430521

Ion Ratio Lower Upper

105 100

134 18.5 14.5 21.7



#68

1-Bromo-4-Fluorobenzene

Concen: 10.166 ppbv

RT: 10.380 min Scan# 3180

Delta R.T. 0.006 min

Lab File: VL041759.D

Acq: 16 Dec 2024 18:59

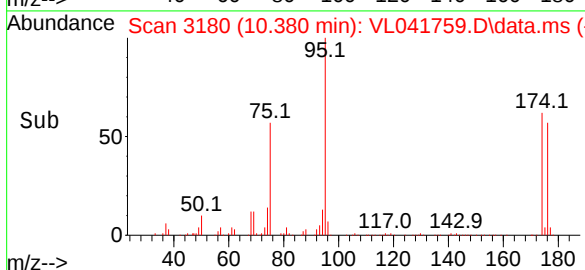
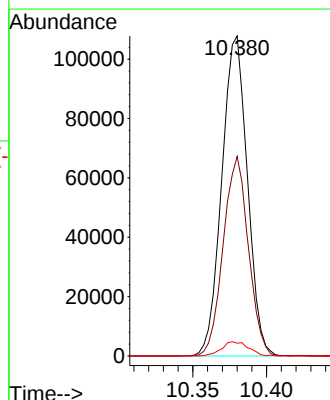
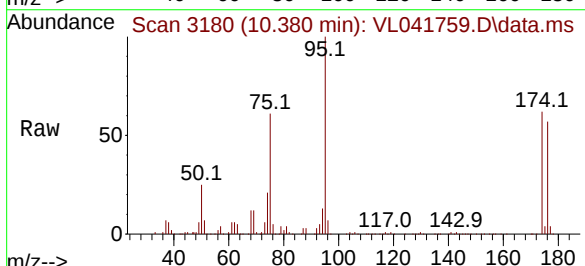
Tgt Ion: 95 Resp: 129985

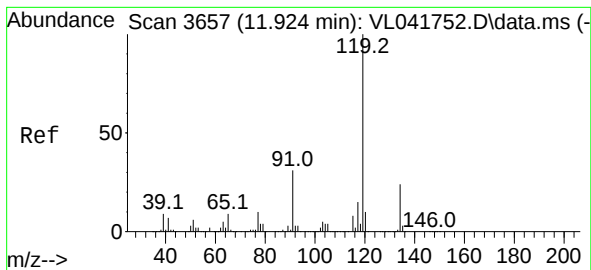
Ion Ratio Lower Upper

95 100

174 61.3 47.6 71.4

175 4.7 3.7 5.5





#69

p-Isopropyltoluene

Concen: 10.620 ppbv

RT: 11.927 min Scan# 3657

Delta R.T. 0.003 min

Lab File: VL041759.D

Acq: 16 Dec 2024 18:59

Instrument :

MSVOA_L

ClientSampleId :

ICVVL121624

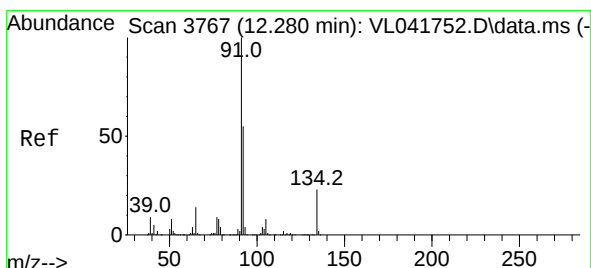
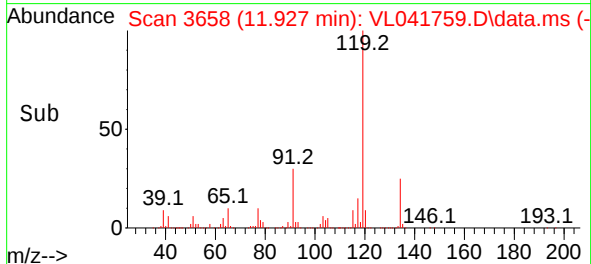
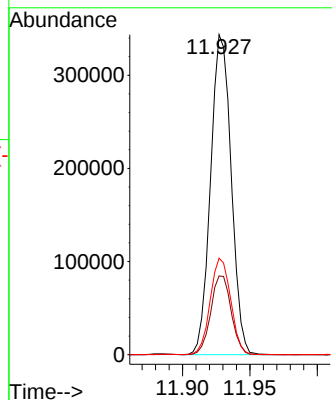
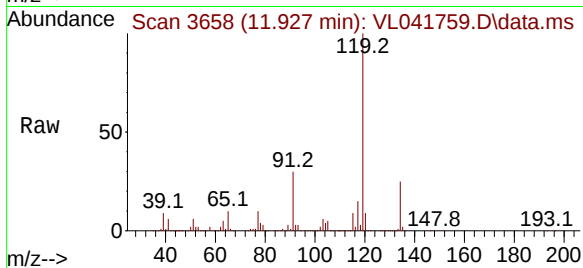
Tgt Ion:119 Resp: 365667

Ion Ratio Lower Upper

119 100

134 24.5 19.6 29.4

91 30.1 24.4 36.6



#70

n-Butylbenzene

Concen: 10.727 ppbv

RT: 12.283 min Scan# 3768

Delta R.T. 0.003 min

Lab File: VL041759.D

Acq: 16 Dec 2024 18:59

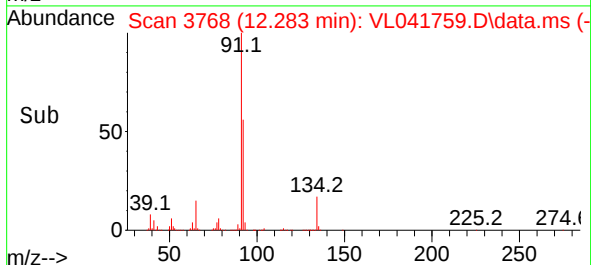
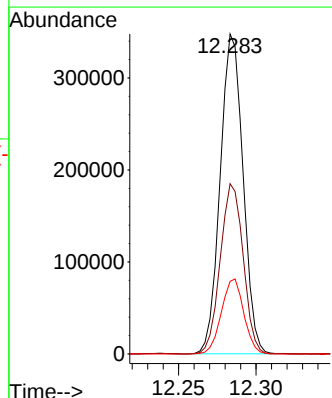
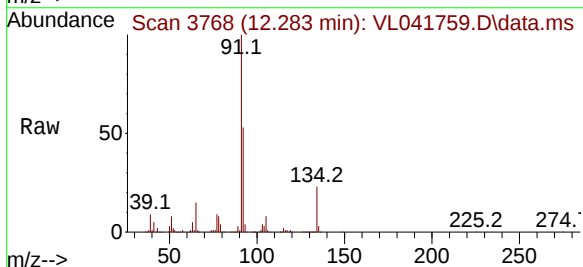
Tgt Ion: 91 Resp: 356880

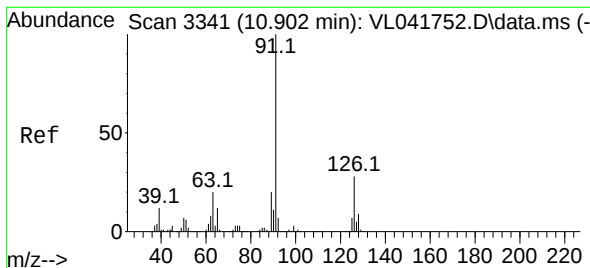
Ion Ratio Lower Upper

91 100

92 53.6 43.2 64.8

134 23.0 18.2 27.4





#71

2-Chlorotoluene

Concen: 10.340 ppbv

RT: 10.904 min Scan# 3411

Delta R.T. 0.003 min

Lab File: VL041759.D

Acq: 16 Dec 2024 18:59

Instrument :

MSVOA_L

ClientSampleId :

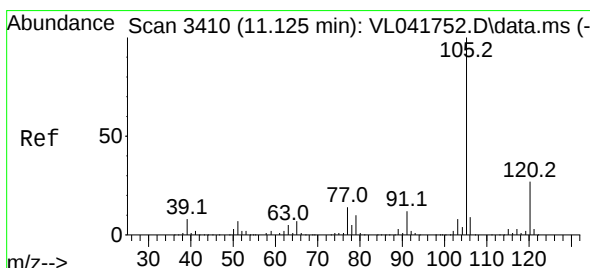
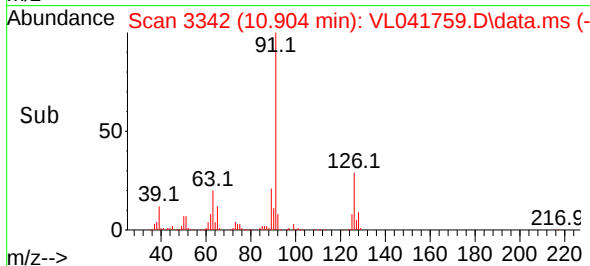
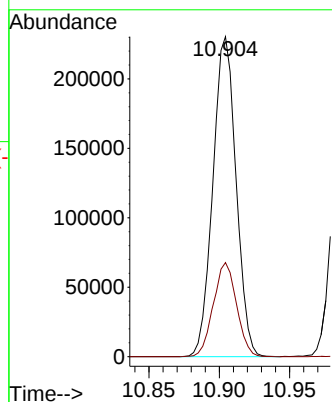
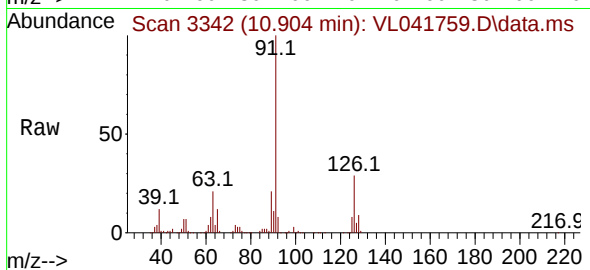
ICVVL121624

Tgt Ion: 91 Resp: 264123

Ion Ratio Lower Upper

91 100

126 29.4 11.6 46.4



#72

4-Ethyltoluene

Concen: 10.672 ppbv

RT: 11.128 min Scan# 3411

Delta R.T. 0.003 min

Lab File: VL041759.D

Acq: 16 Dec 2024 18:59

Tgt Ion:105 Resp: 280580

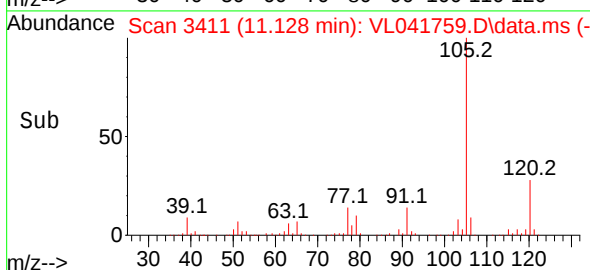
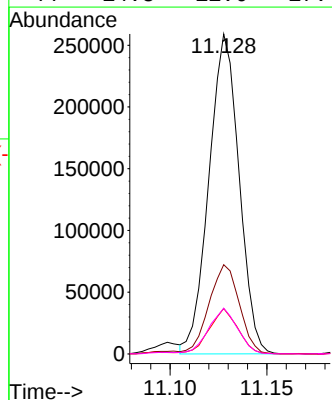
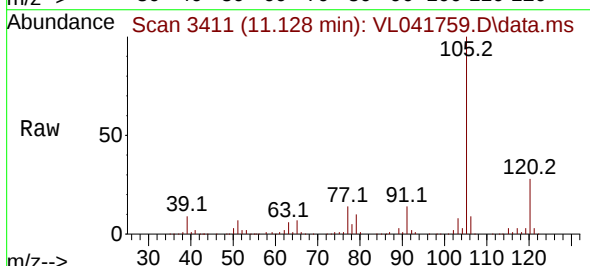
Ion Ratio Lower Upper

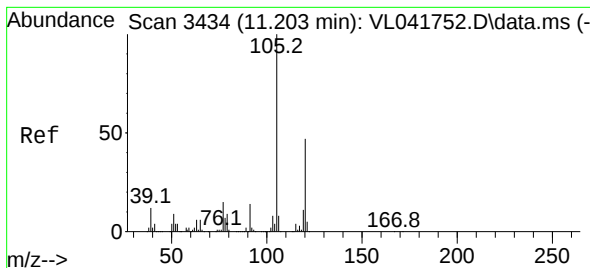
105 100

120 29.0 23.3 34.9

91 14.1 10.9 16.3

77 14.3 11.6 17.4





#73

1,3,5-Trimethylbenzene

Concen: 10.902 ppbv

RT: 11.205 min Scan# 3434

Delta R.T. 0.003 min

Lab File: VL041759.D

Acq: 16 Dec 2024 18:59

Instrument :

MSVOA_L

ClientSampleId :

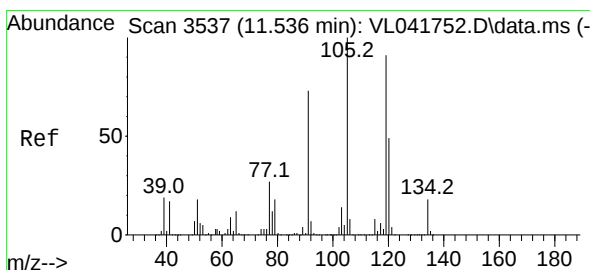
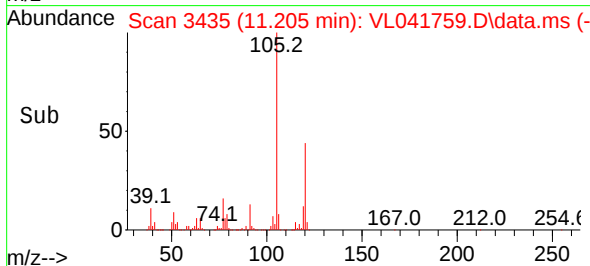
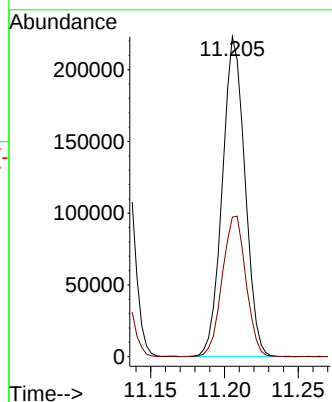
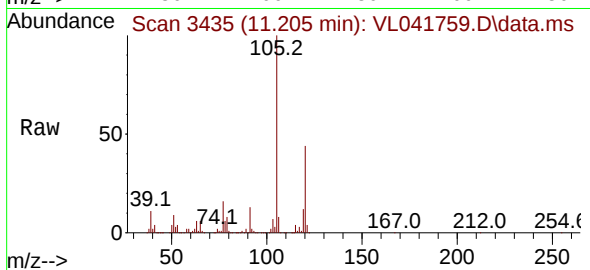
ICVVL121624

Tgt Ion:105 Resp: 237804

Ion Ratio Lower Upper

105 100

120 43.6 37.4 56.2



#74

1,2,4-Trimethylbenzene

Concen: 10.919 ppbv

RT: 11.542 min Scan# 3539

Delta R.T. 0.006 min

Lab File: VL041759.D

Acq: 16 Dec 2024 18:59

Tgt Ion:105 Resp: 256141

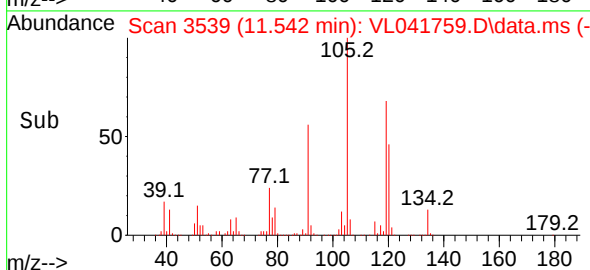
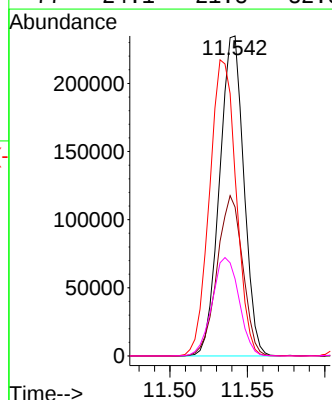
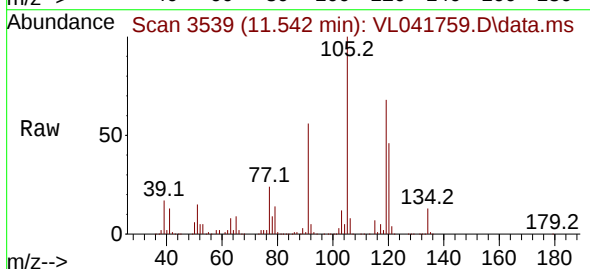
Ion Ratio Lower Upper

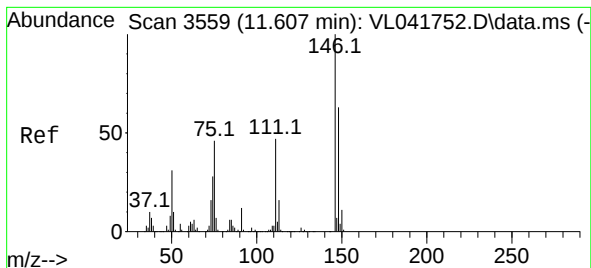
105 100

120 46.5 39.0 58.4

91 56.2 58.1 87.1#

77 24.1 21.8 32.8





#75

1,3-Dichlorobenzene

Concen: 10.025 ppbv

RT: 11.610 min Scan# 3559

Delta R.T. 0.003 min

Lab File: VL041759.D

Acq: 16 Dec 2024 18:59

Instrument :

MSVOA_L

ClientSampleId :

ICVVL121624

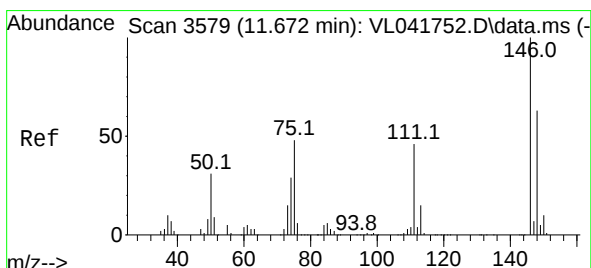
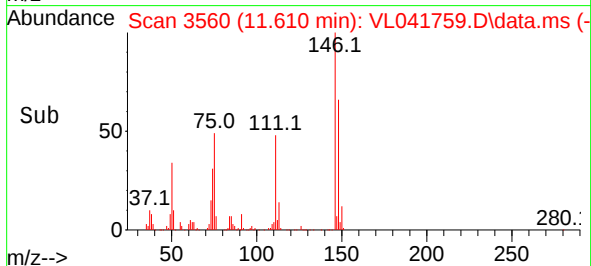
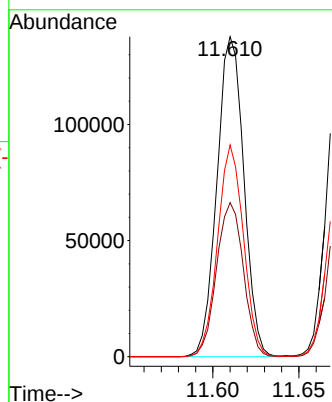
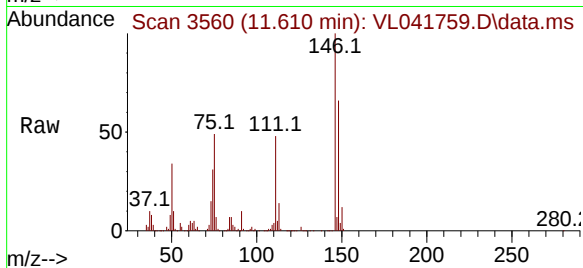
Tgt Ion:146 Resp: 149927

Ion Ratio Lower Upper

146 100

111 48.2 23.4 70.3

148 63.5 31.6 95.0



#76

1,4-Dichlorobenzene

Concen: 10.302 ppbv

RT: 11.675 min Scan# 3580

Delta R.T. 0.003 min

Lab File: VL041759.D

Acq: 16 Dec 2024 18:59

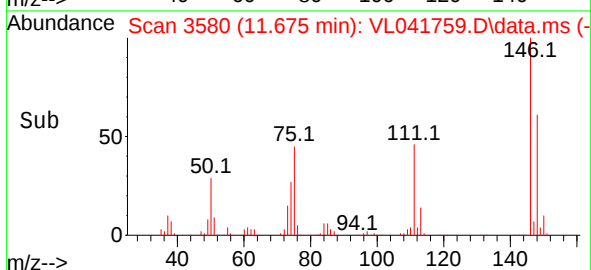
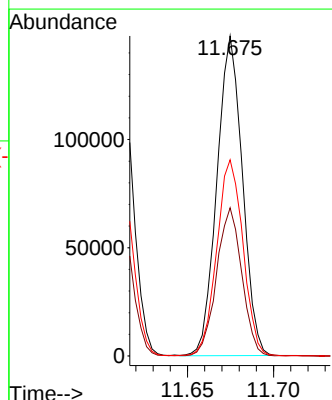
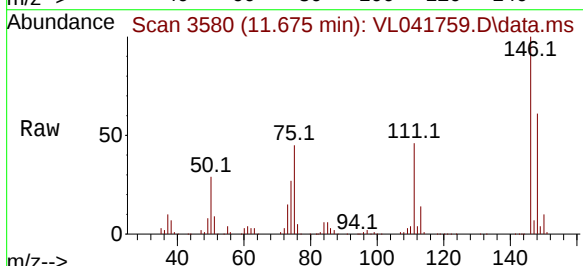
Tgt Ion:146 Resp: 152212

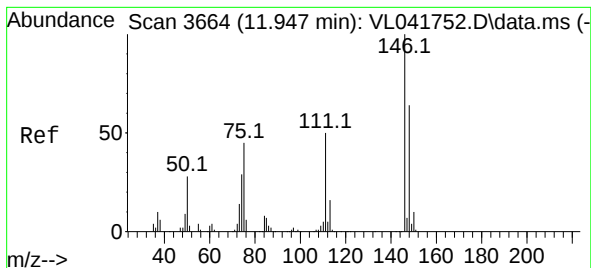
Ion Ratio Lower Upper

146 100

111 46.1 22.7 68.1

148 63.4 31.4 94.0





#77

1,2-Dichlorobenzene

Concen: 9.919 ppbv

RT: 11.950 min Scan# 3665

Delta R.T. 0.003 min

Lab File: VL041759.D

Acq: 16 Dec 2024 18:59

Instrument :

MSVOA_L

ClientSampleId :

ICVVL121624

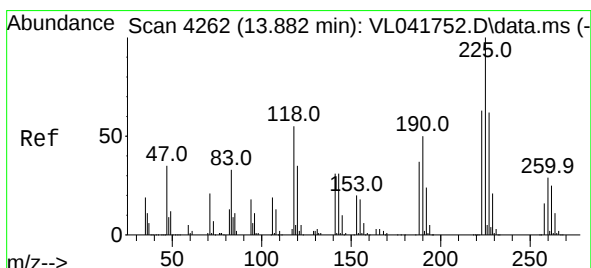
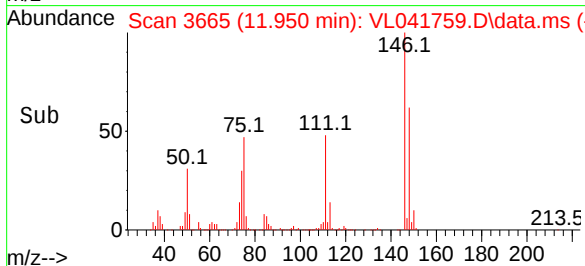
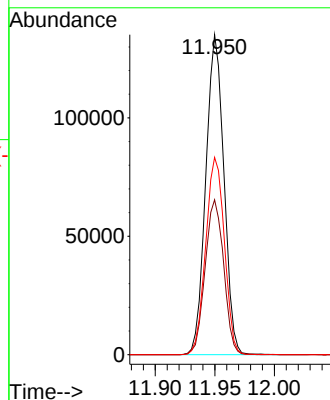
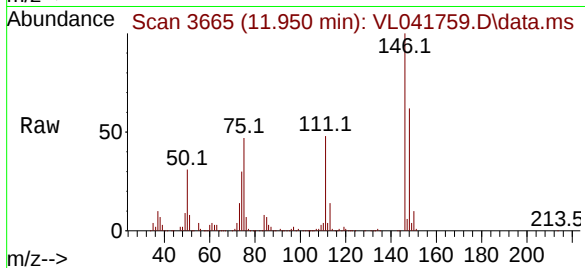
Tgt Ion:146 Resp: 142734

Ion Ratio Lower Upper

146 100

111 49.7 24.8 74.3

148 63.7 31.8 95.4



#78

Hexachloro-1,3-Butadiene

Concen: 8.873 ppbv

RT: 13.885 min Scan# 4263

Delta R.T. 0.003 min

Lab File: VL041759.D

Acq: 16 Dec 2024 18:59

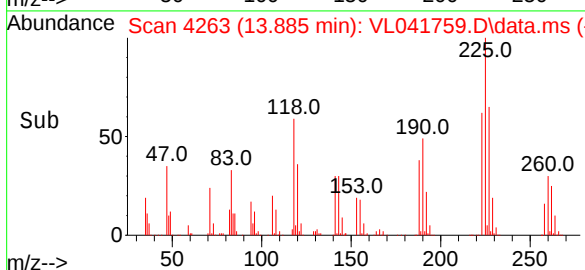
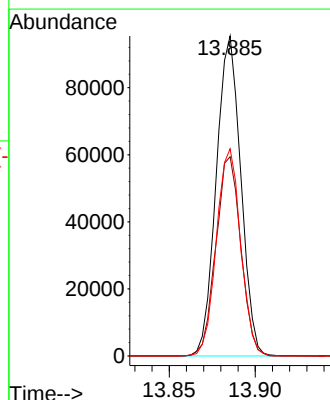
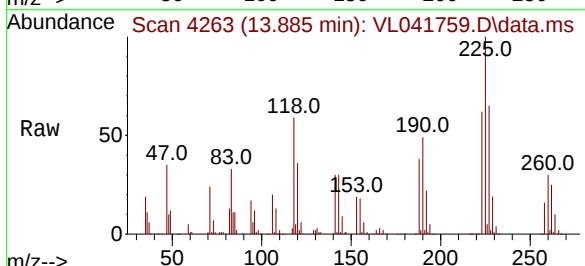
Tgt Ion:225 Resp: 94671

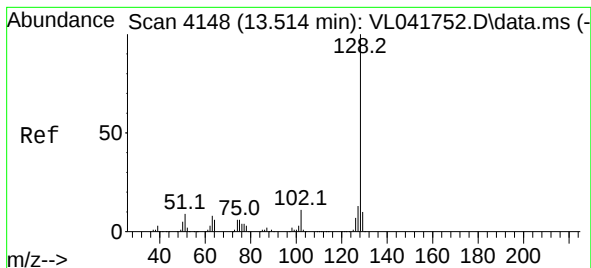
Ion Ratio Lower Upper

225 100

223 63.2 50.5 75.7

227 63.8 50.3 75.5





#79

Naphthalene

Concen: 12.384 ppbv

RT: 13.516 min Scan# 4148

Delta R.T. 0.003 min

Lab File: VL041759.D

Acq: 16 Dec 2024 18:59

Instrument :

MSVOA_1

ClientSampleId :

ICVVL121624

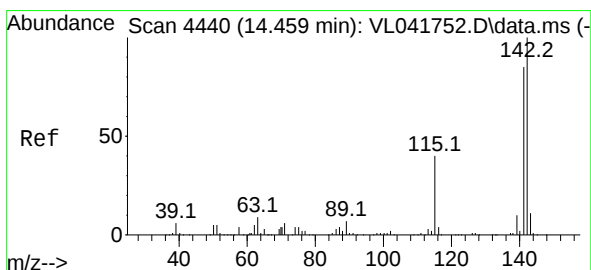
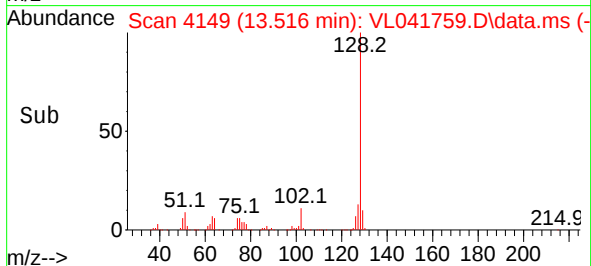
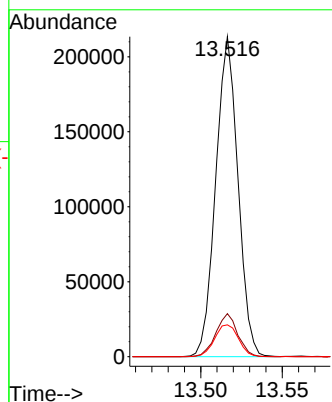
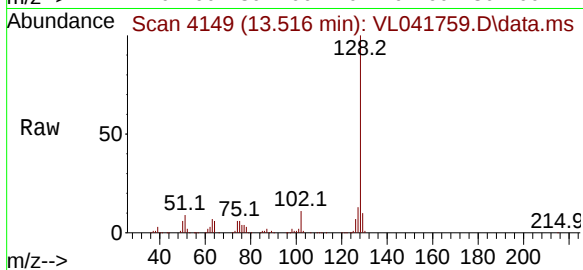
Tgt Ion:128 Resp: 202413

Ion Ratio Lower Upper

128 100

127 13.4 10.7 16.1

129 10.0 8.2 12.4



#80

Naphthalene,2-methyl-

Concen: 20.261 ppbv

RT: 14.461 min Scan# 4441

Delta R.T. 0.003 min

Lab File: VL041759.D

Acq: 16 Dec 2024 18:59

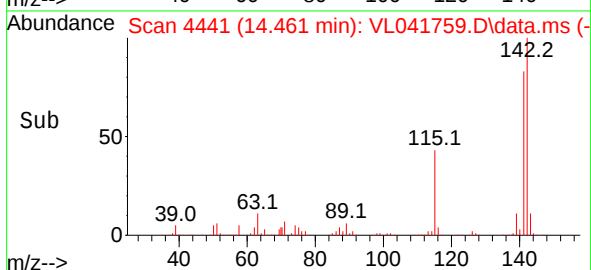
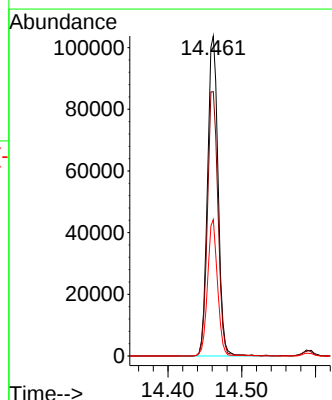
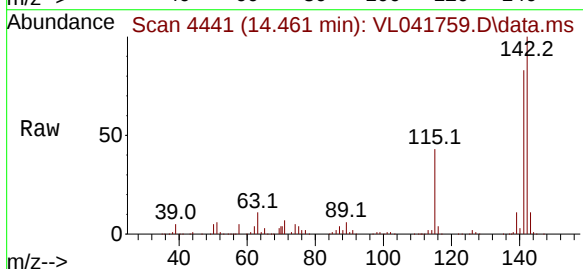
Tgt Ion:142 Resp: 102431

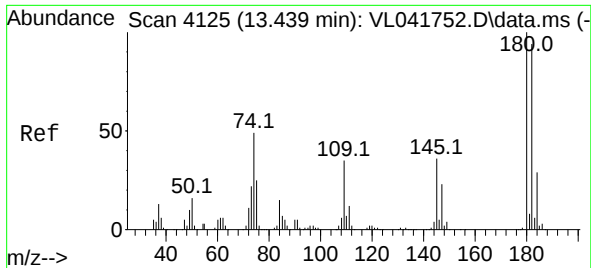
Ion Ratio Lower Upper

142 100

141 83.2 68.4 102.6

115 40.4 32.5 48.7





#81

1,2,4-Trichlorobenzene

Concen: 11.025 ppbv

RT: 13.442 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL041759.D

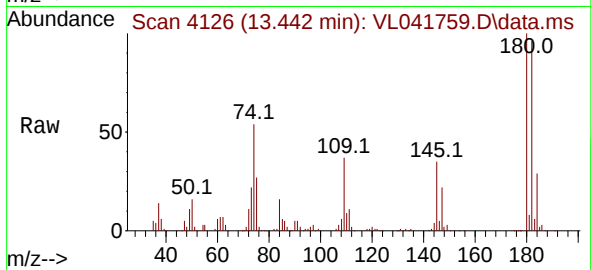
Acq: 16 Dec 2024 18:59

Instrument :

MSVOA_L

ClientSampleId :

ICVVL121624



Tgt Ion:180 Resp: 98468

Ion Ratio Lower Upper

180 100

182 95.3 77.0 115.6

184 30.2 23.8 35.8

