

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121724\
 Data File : VL041786.D
 Acq On : 17 Dec 2024 18:52
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Dec 21 01:25:59 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	2.790	49	57591	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	145725	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	125895	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.380 95 109957 10.481 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 104.800%

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.499	85	123395	12.041	ppbv	97
3) Chlorodifluoromethane	1.476	51	101480	10.805	ppbv	98
4) Chloromethane	1.534	50	45951	11.460	ppbv	100
5) Vinyl Chloride	1.580	62	42950	10.632	ppbv	98
6) Bromomethane	1.667	94	20966	10.998	ppbv	97
7) Chloroethane	1.706	64	17732	11.300	ppbv	95
8) Dichlorotetrafluoroethane	1.554	85	106495	11.611	ppbv	96
9) Propene	1.486	41	37777	9.280	ppbv	99
10) Heptane	4.985	43	101383	9.696	ppbv	99
11) Trichlorofluoromethane	1.877	101	127950	11.755	ppbv	97
12) 1,1,2-Trichlorotrifluo...	2.143	101	92386	11.159	ppbv	97
13) Ethanol	1.722	45	2317	6.874	ppbv	96
14) Bromoethene	1.784	108	30269	10.830	ppbv	95
15) Acetone	1.835	43	105088	9.378	ppbv	99
16) 1,3-Butadiene	1.609	39	49736	11.272	ppbv	95
17) tert-Butyl alcohol	2.043	59	121764	10.954	ppbv	99
18) 1,1-Dichloroethene	2.036	96	38379	11.058	ppbv	92
19) Isopropyl Alcohol	1.887	45	53341	7.933	ppbv #	37
20) Methylene Chloride	2.062	84	32698	10.233	ppbv	94
21) Allyl Chloride	2.098	41	67872	11.168	ppbv	96
22) trans-1,2-Dichloroethene	2.344	96	41997	10.571	ppbv	97
23) Vinyl Acetate	2.463	43	43980	8.453	ppbv #	97
24) 1,1-Dichloroethane	2.412	63	90706	11.278	ppbv	99
25) Ethyl Acetate	2.839	43	213781	10.256	ppbv	99
26) Hexane	2.829	57	79108	10.000	ppbv	95
27) Carbon Disulfide	2.153	76	73773	10.349	ppbv #	92
28) Methyl tert-Butyl Ether	2.441	73	64839	10.103	ppbv	100
29) Chloroform	2.852	83	134897	11.190	ppbv	98
30) Cyclohexane	3.862	84	65188	9.685	ppbv	97
31) cis-1,2-Dichloroethene	2.725	61	84149	10.294	ppbv	96
32) 1,1,1-Trichloroethane	3.370	97	133117	10.862	ppbv	98
34) 2-Butanone	2.560	43	124022	10.579	ppbv	100
35) Carbon Tetrachloride	3.768	117	133687	12.923	ppbv	96
36) Benzene	3.661	78	158285	10.501	ppbv	96
37) 1,2-Dichloroethane	3.224	62	110126	11.741	ppbv	99
38) Trichloroethene	4.554	130	63096	9.861	ppbv	97
39) 1,2-Dichloropropane	4.318	63	56099	10.290	ppbv	97
40) 1,4-Dioxane	4.593	88	25169	9.451	ppbv #	97
41) Tetrahydrofuran	3.059	42	64798	9.866	ppbv	97
42) Bromodichloromethane	4.496	83	130888	12.130	ppbv	99
43) Methyl Methacrylate	4.888	69	60098	10.464	ppbv	97
44) 2,2,4-Trimethylpentane	4.648	57	277393	10.775	ppbv	97
45) t-1,3-Dichloropropene	6.425	75	57726	9.717	ppbv	99

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

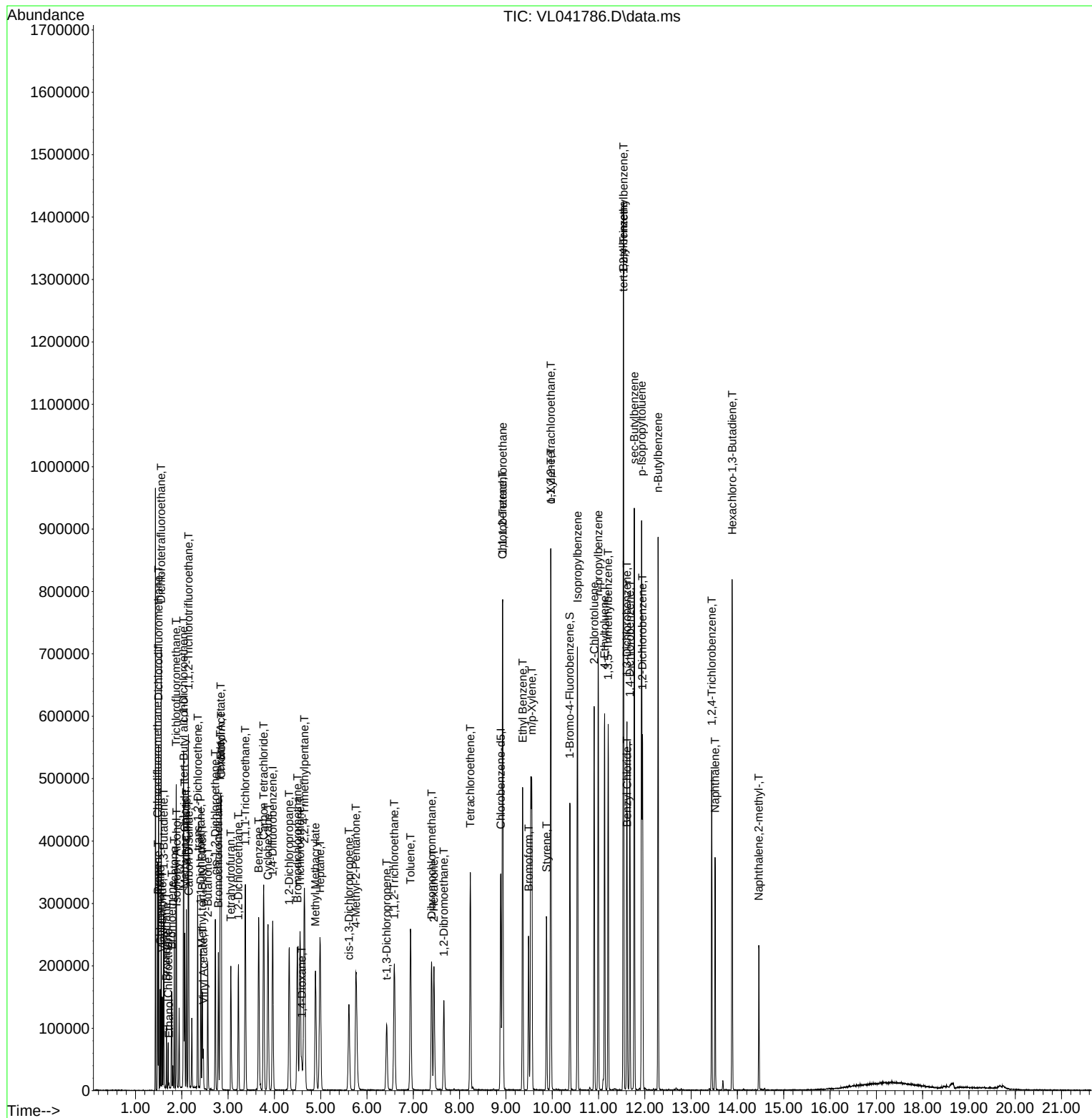
Instrument :
 MSVOA_L
 ClientSampleId :

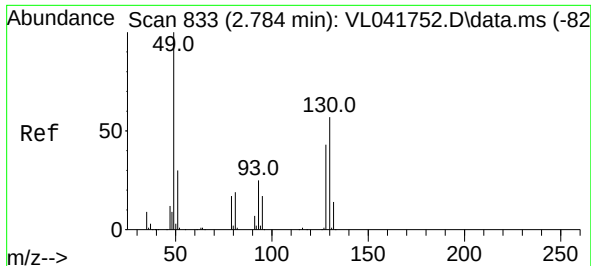
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 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Dec 19 07:32:09 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.609	75	73396	9.732	ppbv	91
47) 1,1,2-Trichloroethane	6.590	97	62282	10.937	ppbv	95
48) Dibromochloromethane	7.396	129	91448	11.761	ppbv	100
49) Bromoform	9.490	173	73172	11.496	ppbv	99
50) 4-Methyl-2-Pentanone	5.758	43	170674	10.692	ppbv	98
51) 2-Hexanone	7.444	43	131517	10.165	ppbv #	97
52) Tetrachloroethene	8.231	164	52813	9.413	ppbv	95
53) Toluene	6.940	91	174785	10.227	ppbv	100
54) 1,2-Dibromoethane	7.661	107	84441	10.762	ppbv	100
56) 1,1,1,2-Tetrachloroethane	8.930	131	79442	11.903	ppbv	99
57) Chlorobenzene	8.927	112	138290	10.734	ppbv	92
58) Ethyl Benzene	9.361	91	249961	11.028	ppbv	100
59) m/p-Xylene	9.558	91	188619	10.350	ppbv #	100
60) o-Xylene	9.969	91	209686	11.474	ppbv	99
61) Styrene	9.875	104	86798	10.984	ppbv	99
62) Isopropylbenzene	10.545	105	307607	11.203	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.969	83	123835	10.825	ppbv	99
64) n-propylbenzene	10.992	120	78082	11.247	ppbv	98
65) tert-Butylbenzene	11.536	119	271660	10.966	ppbv	96
66) Benzyl Chloride	11.620	91	16378	7.506	ppbv #	94
67) sec-Butylbenzene	11.772	105	377240	11.004	ppbv	100
69) p-Isopropyltoluene	11.930	119	298176	10.554	ppbv	98
70) n-Butylbenzene	12.287	91	291742	10.688	ppbv	99
71) 2-Chlorotoluene	10.908	91	222910	10.636	ppbv	99
72) 4-Ethyltoluene	11.131	105	246896	11.445	ppbv	99
73) 1,3,5-Trimethylbenzene	11.209	105	202154	11.295	ppbv	100
74) 1,2,4-Trimethylbenzene	11.542	105	218951	11.376	ppbv	99
75) 1,3-Dichlorobenzene	11.613	146	121687	9.917	ppbv	98
76) 1,4-Dichlorobenzene	11.678	146	120970	9.980	ppbv	99
77) 1,2-Dichlorobenzene	11.950	146	116456	9.864	ppbv	99
78) Hexachloro-1,3-Butadiene	13.885	225	73856	8.437	ppbv	100
79) Naphthalene	13.516	128	151466	11.295	ppbv	99
80) Naphthalene,2-methyl-	14.462	142	57244	13.801	ppbv	98
81) 1,2,4-Trichlorobenzene	13.445	180	71736	9.790	ppbv	99

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

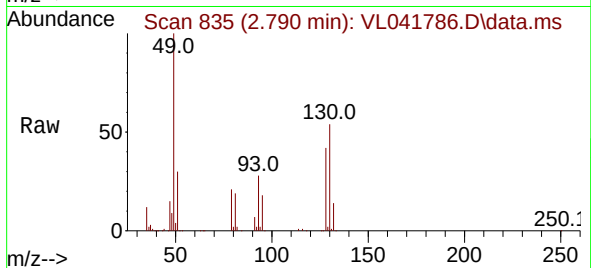
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Dec 19 07:32:09 2024
Response via : Initial Calibration



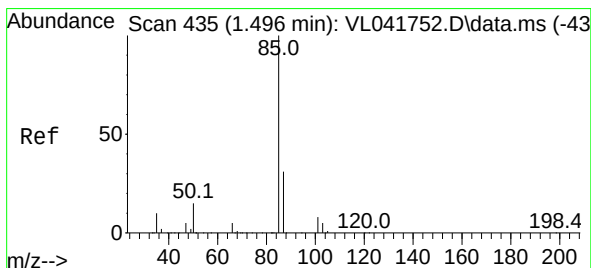
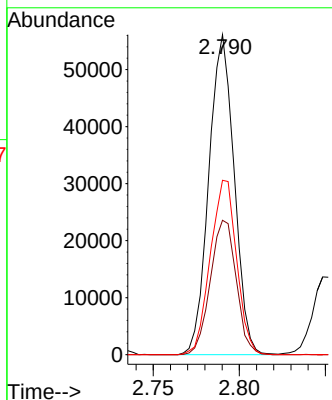
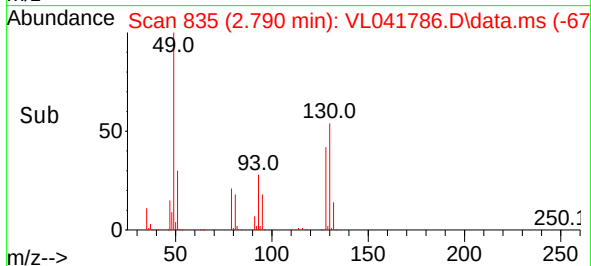


#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 84
Delta R.T. 0.006 min
Lab File: VL041786.D
Acq: 17 Dec 2024 18:52

Instrument :
MSVOA_L
ClientSampleId :

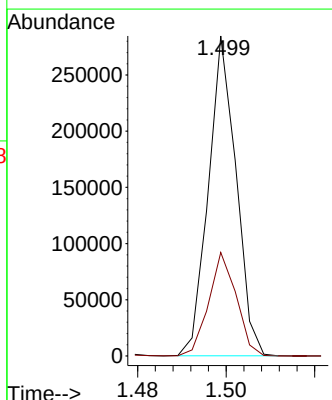
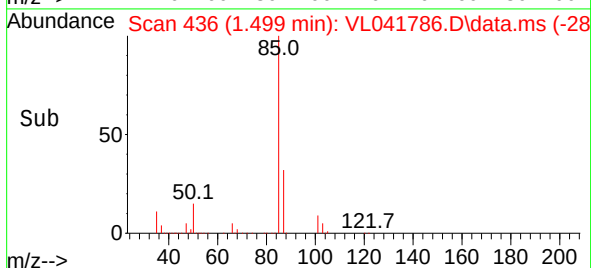
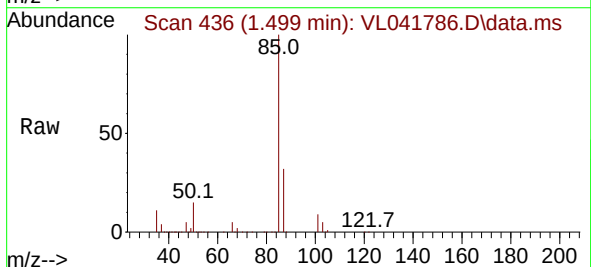


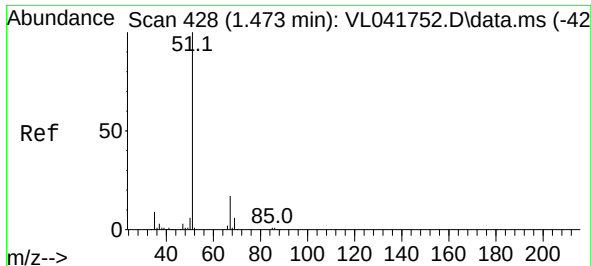
Tgt Ion: 49 Resp: 57591
Ion Ratio Lower Upper
49 100
128 42.8 21.6 64.6
130 56.5 28.3 85.0



#2
Dichlorodifluoromethane
Concen: 12.041 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.003 min
Lab File: VL041786.D
Acq: 17 Dec 2024 18:52

Tgt Ion: 85 Resp: 123395
Ion Ratio Lower Upper
85 100
87 32.3 24.5 36.7

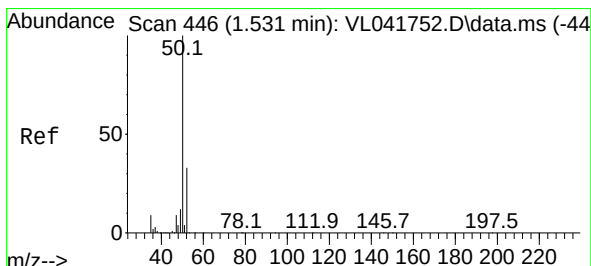
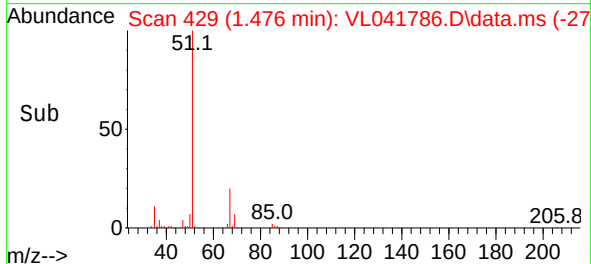
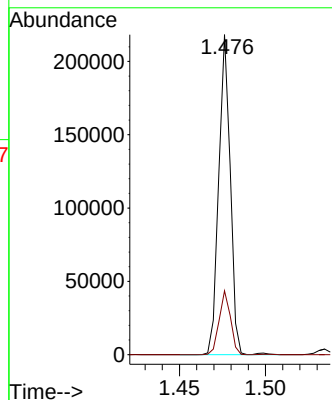
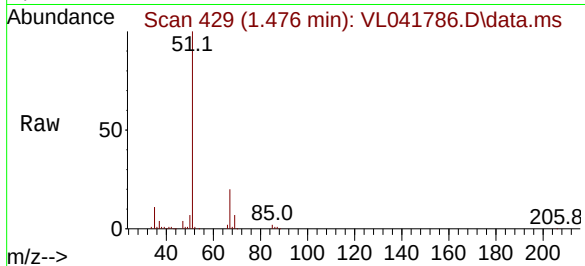




#3
Chlorodifluoromethane
Concen: 10.805 ppbv
RT: 1.476 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL041786.D
Acq: 17 Dec 2024 18:52

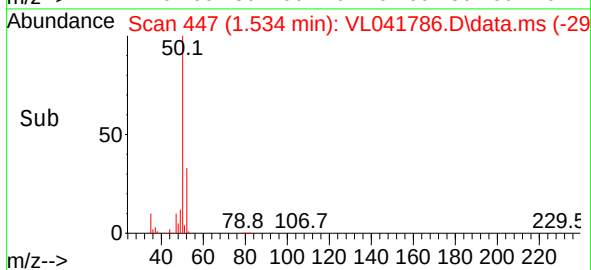
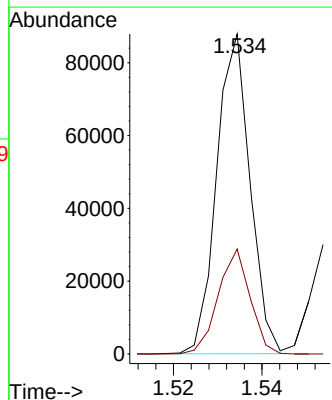
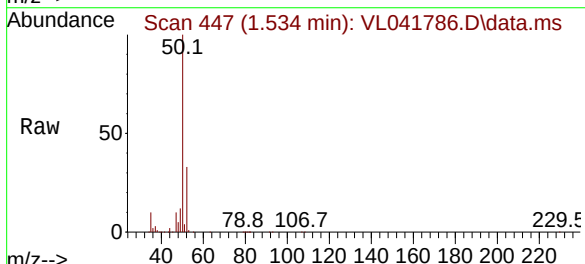
Instrument :
MSVOA_L
ClientSampleId :

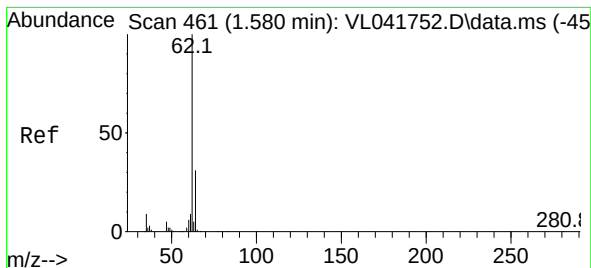
Tgt Ion: 51 Resp: 101480
Ion Ratio Lower Upper
51 100
67 19.8 15.0 22.4



#4
Chloromethane
Concen: 11.460 ppbv
RT: 1.534 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL041786.D
Acq: 17 Dec 2024 18:52

Tgt Ion: 50 Resp: 45951
Ion Ratio Lower Upper
50 100
52 32.8 26.2 39.2





#5

Vinyl Chloride

Concen: 10.632 ppbv

RT: 1.580 min Scan# 4

Delta R.T. -0.000 min

Lab File: VL041786.D

Acq: 17 Dec 2024 18:52

Instrument :

MSVOA_L

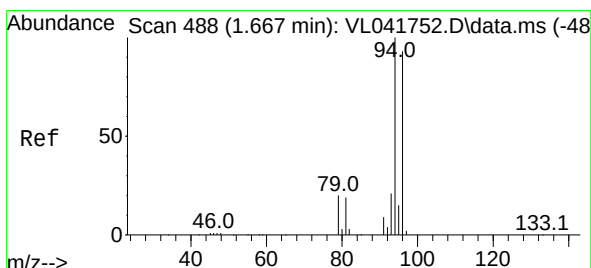
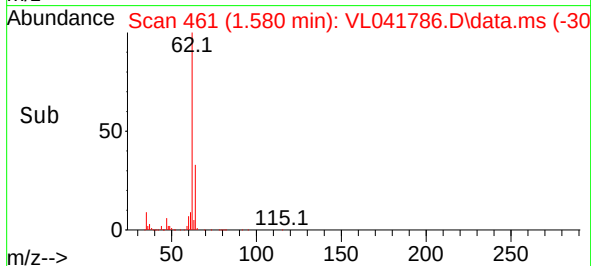
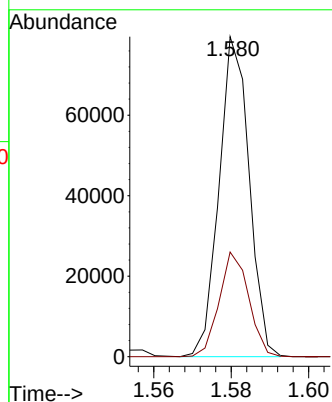
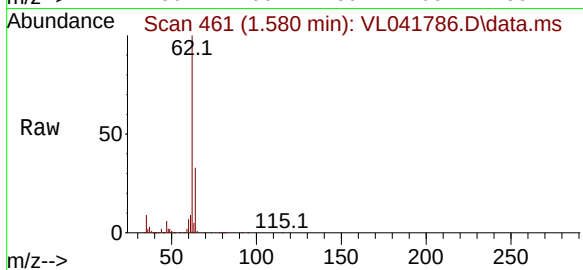
ClientSampleId :

Tgt Ion: 62 Resp: 42950

Ion Ratio Lower Upper

62 100

64 32.7 25.1 37.7



#6

Bromomethane

Concen: 10.998 ppbv

RT: 1.667 min Scan# 488

Delta R.T. -0.000 min

Lab File: VL041786.D

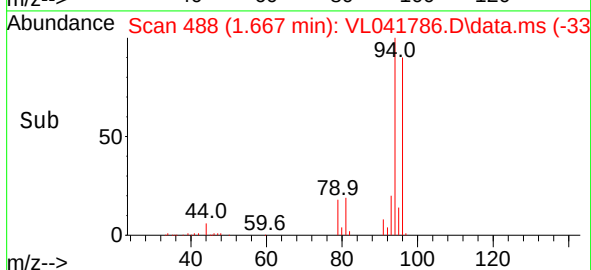
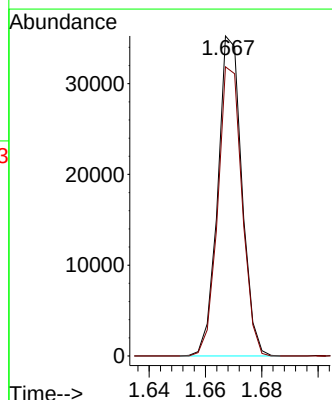
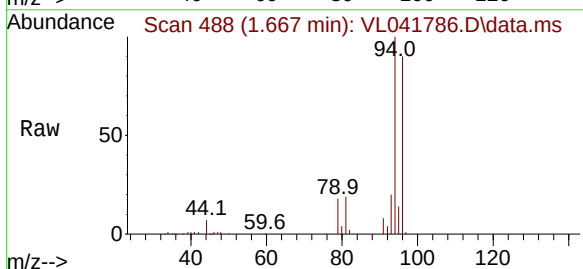
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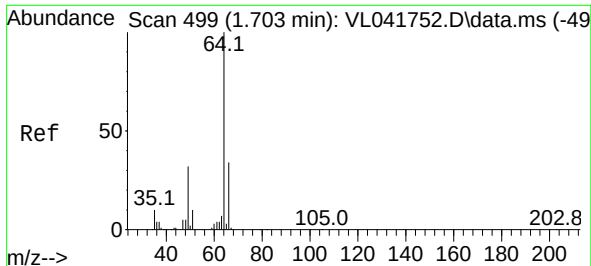
Tgt Ion: 94 Resp: 20966

Ion Ratio Lower Upper

94 100

96 90.4 74.7 112.1

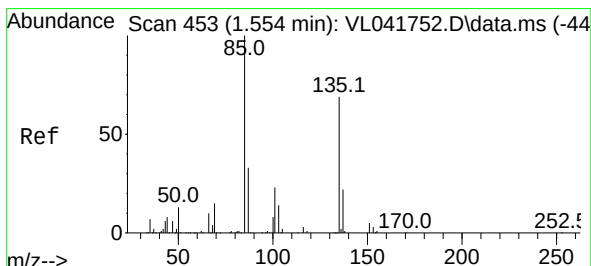
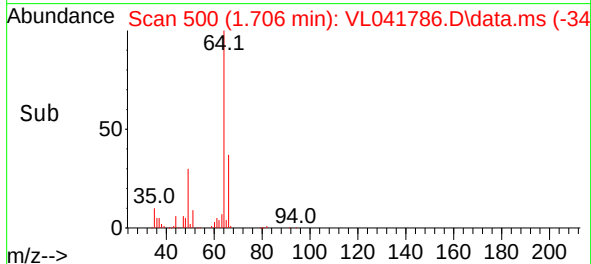
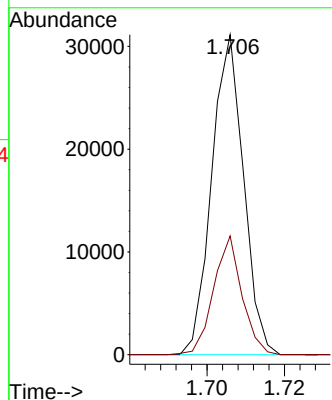
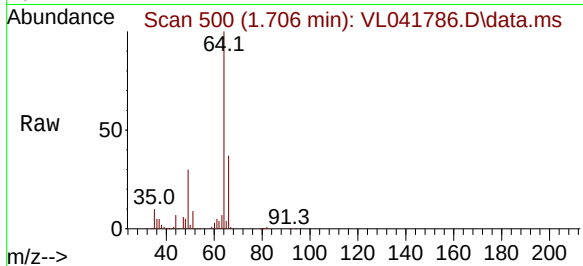




#7
Chloroethane
Concen: 11.300 ppbv
RT: 1.706 min Scan# 500
Delta R.T. 0.003 min
Lab File: VL041786.D
Acq: 17 Dec 2024 18:52

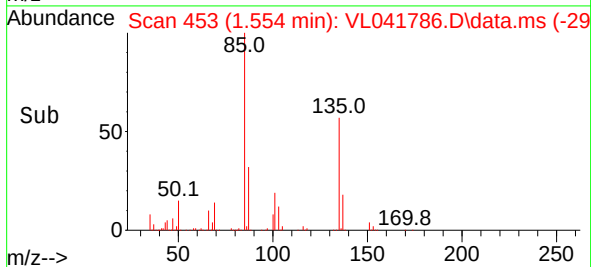
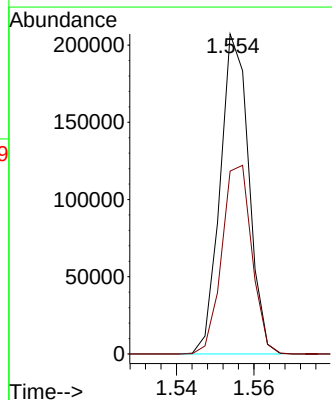
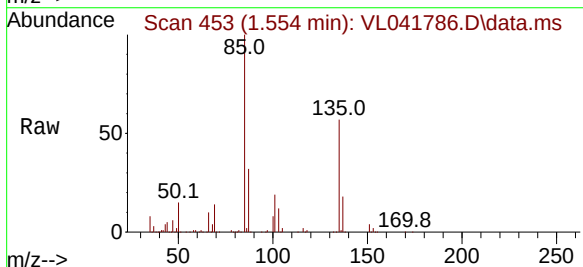
Instrument :
MSVOA_L
ClientSampleId :

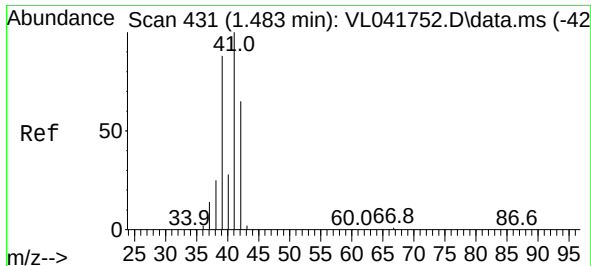
Tgt Ion: 64 Resp: 17732
Ion Ratio Lower Upper
64 100
66 37.1 27.5 41.3



#8
Dichlorotetrafluoroethane
Concen: 11.611 ppbv
RT: 1.554 min Scan# 453
Delta R.T. -0.000 min
Lab File: VL041786.D
Acq: 17 Dec 2024 18:52

Tgt Ion: 85 Resp: 106495
Ion Ratio Lower Upper
85 100
135 62.0 51.9 77.9





#9

Propene

Concen: 9.280 ppbv

RT: 1.486 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL041786.D

Acq: 17 Dec 2024 18:52

Instrument :

MSVOA_L

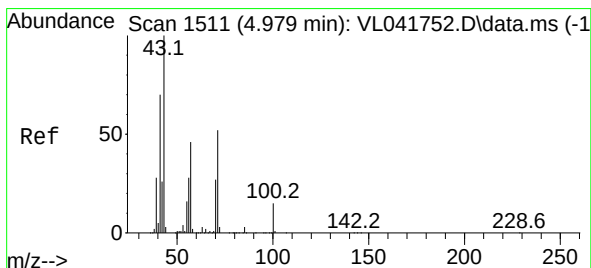
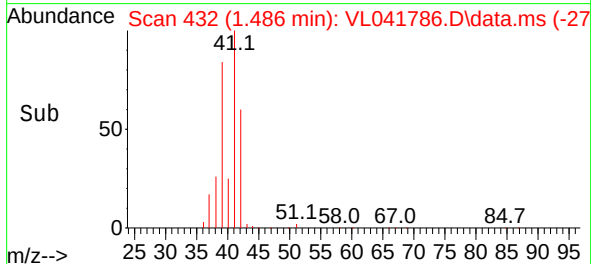
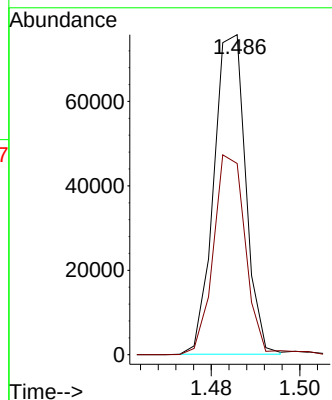
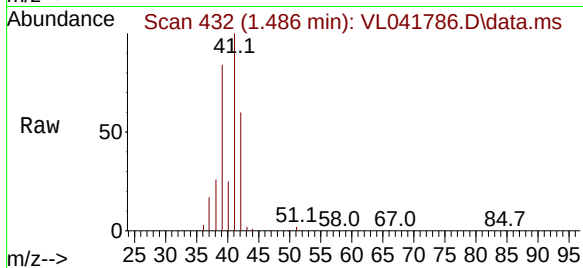
ClientSampleId :

Tgt Ion: 41 Resp: 37777

Ion Ratio Lower Upper

41 100

42 64.3 52.4 78.6



#10

Heptane

Concen: 9.696 ppbv

RT: 4.985 min Scan# 1513

Delta R.T. 0.006 min

Lab File: VL041786.D

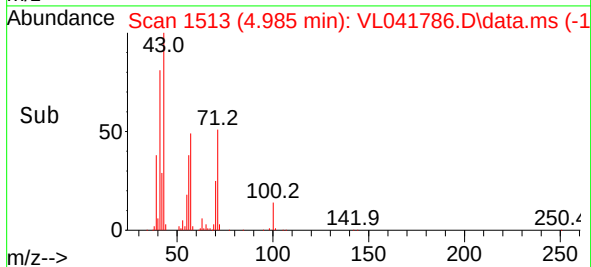
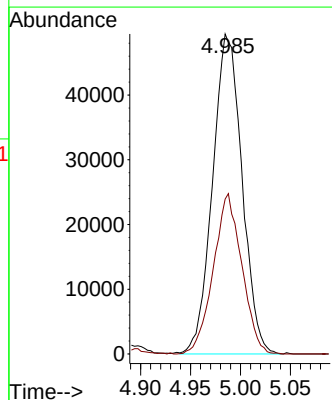
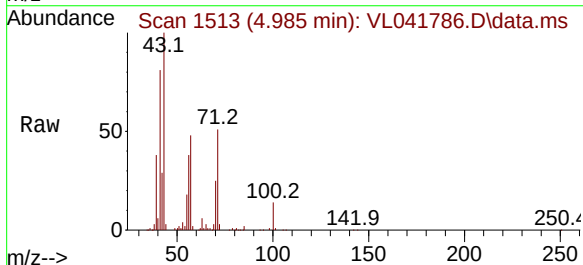
Acq: 17 Dec 2024 18:52

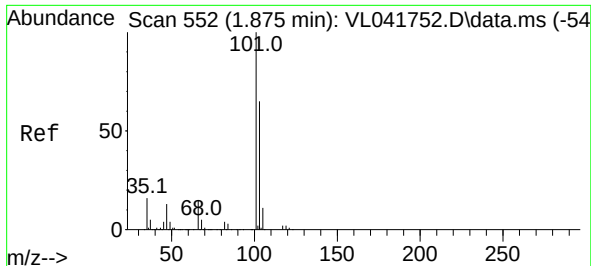
Tgt Ion: 43 Resp: 101383

Ion Ratio Lower Upper

43 100

57 48.5 38.5 57.7





#11

Trichlorofluoromethane

Concen: 11.755 ppbv

RT: 1.877 min Scan# 51

Delta R.T. 0.003 min

Lab File: VL041786.D

Acq: 17 Dec 2024 18:52

Instrument :

MSVOA_L

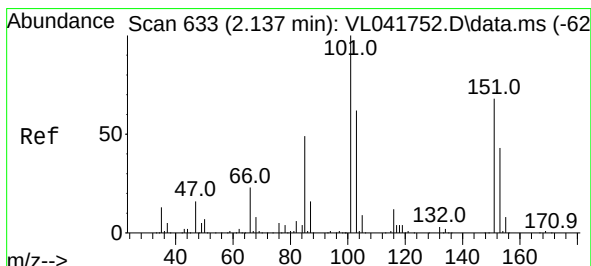
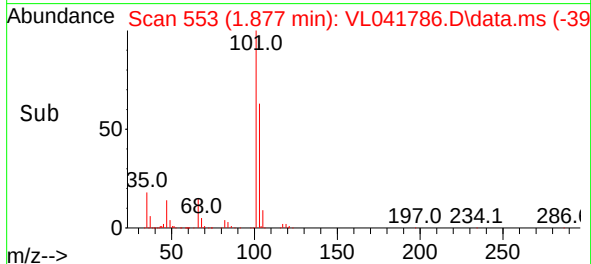
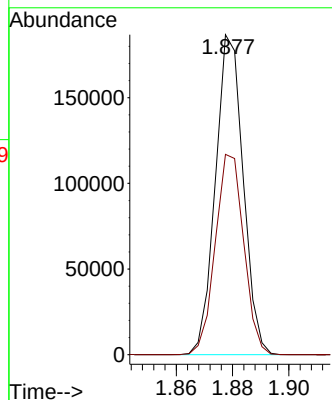
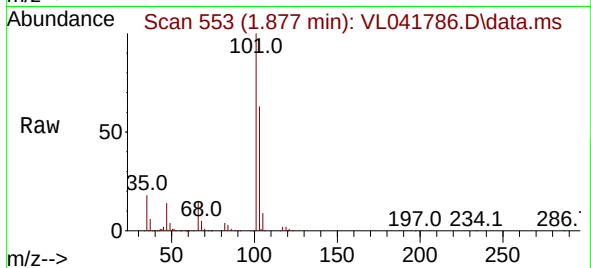
ClientSampleId :

Tgt Ion:101 Resp: 127950

Ion Ratio Lower Upper

101 100

103 62.5 51.8 77.8



#12

1,1,2-Trichlorotrifluoroethane

Concen: 11.159 ppbv

RT: 2.143 min Scan# 635

Delta R.T. 0.006 min

Lab File: VL041786.D

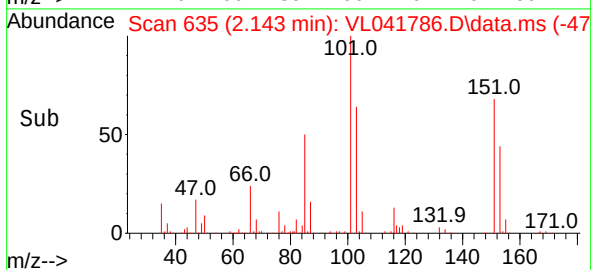
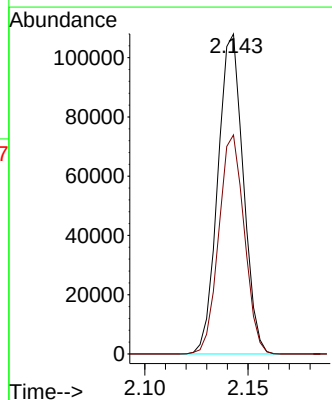
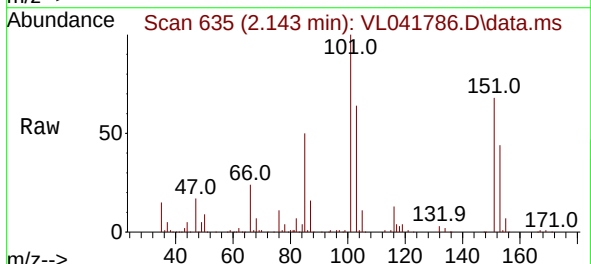
Acq: 17 Dec 2024 18:52

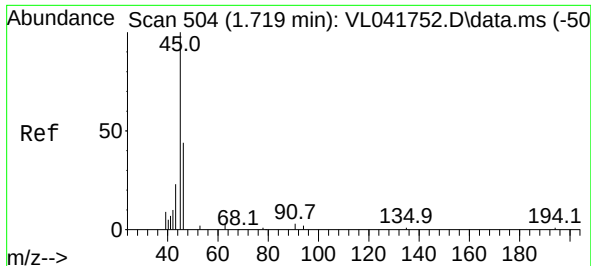
Tgt Ion:101 Resp: 92386

Ion Ratio Lower Upper

101 100

151 68.7 56.8 85.2





#13

Ethanol

Concen: 6.874 ppbv

RT: 1.722 min Scan# 504

Delta R.T. 0.003 min

Lab File: VL041786.D

Acq: 17 Dec 2024 18:52

Instrument :

MSVOA_L

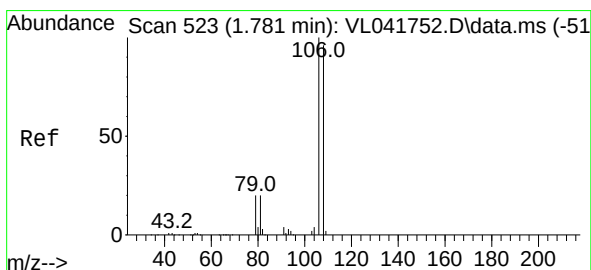
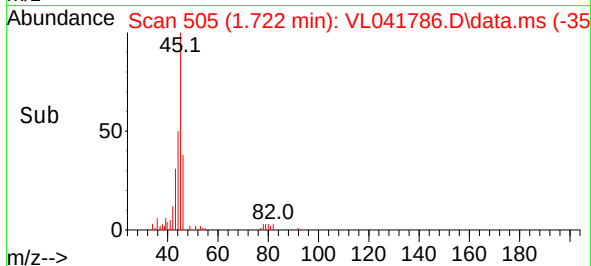
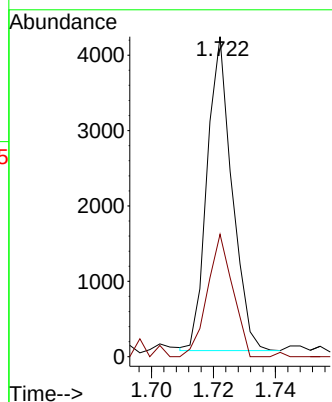
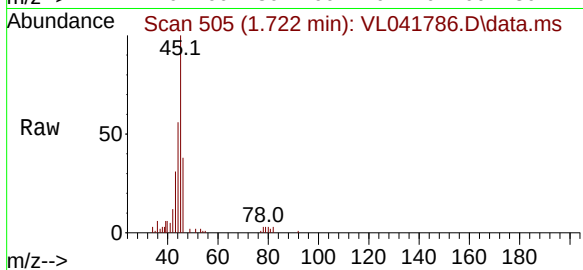
ClientSampleId :

Tgt Ion: 45 Resp: 2317

Ion Ratio Lower Upper

45 100

46 43.3 16.4 65.8



#14

Bromoethene

Concen: 10.830 ppbv

RT: 1.784 min Scan# 524

Delta R.T. 0.003 min

Lab File: VL041786.D

Acq: 17 Dec 2024 18:52

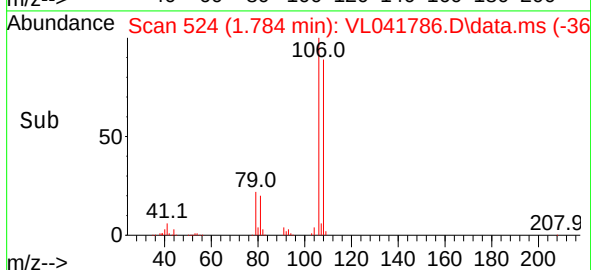
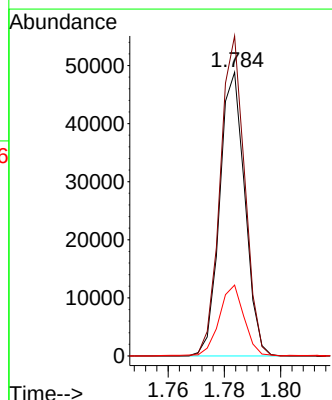
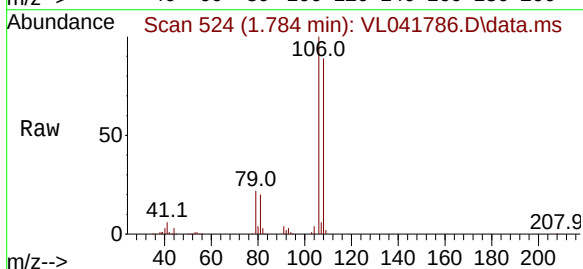
Tgt Ion: 108 Resp: 30269

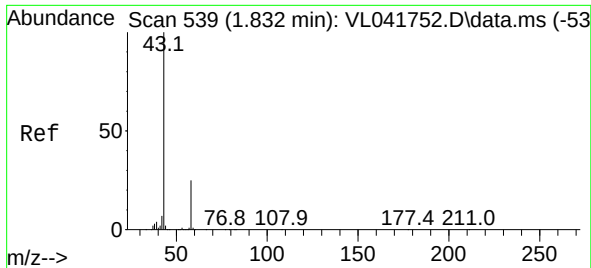
Ion Ratio Lower Upper

108 100

106 109.9 84.1 126.1

79 25.1 17.4 26.0





#15

Acetone

Concen: 9.378 ppbv

RT: 1.835 min Scan# 54

Delta R.T. 0.003 min

Lab File: VL041786.D

Acq: 17 Dec 2024 18:52

Instrument :

MSVOA_L

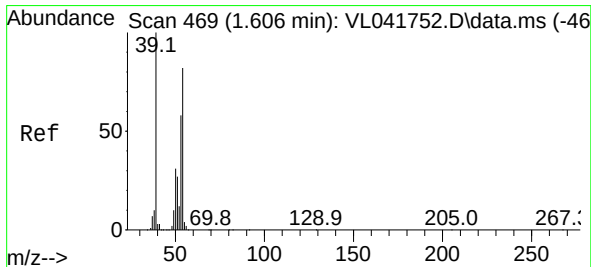
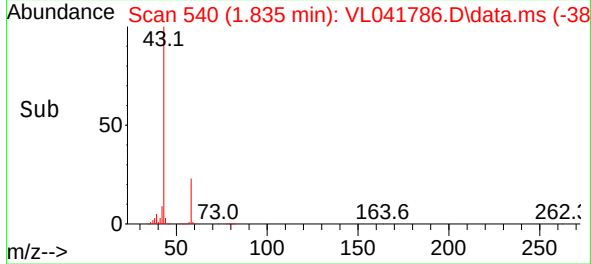
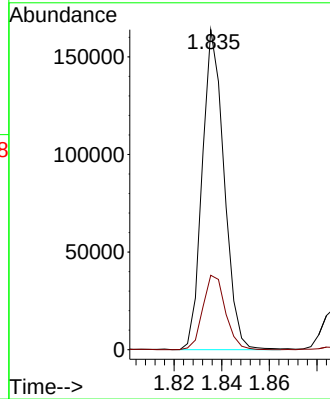
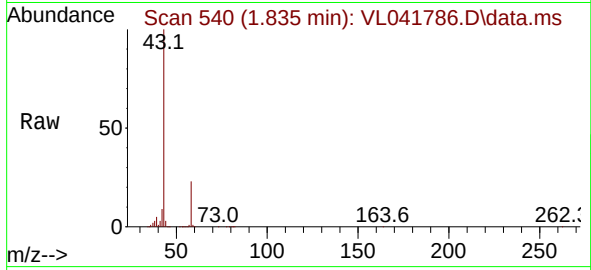
ClientSampleId :

Tgt Ion: 43 Resp: 105088

Ion Ratio Lower Upper

43 100

58 24.1 19.7 29.5



#16

1,3-Butadiene

Concen: 11.272 ppbv

RT: 1.609 min Scan# 470

Delta R.T. 0.003 min

Lab File: VL041786.D

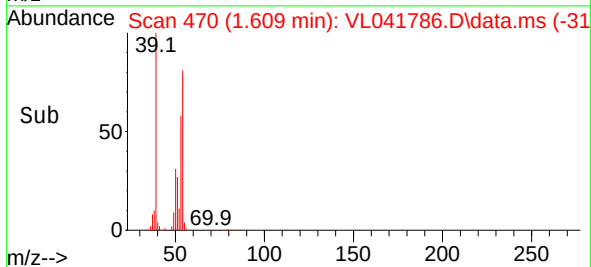
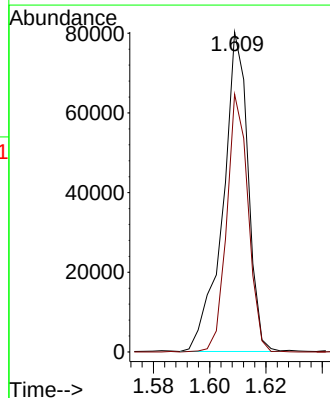
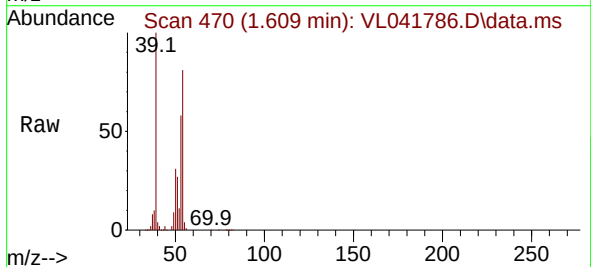
Acq: 17 Dec 2024 18:52

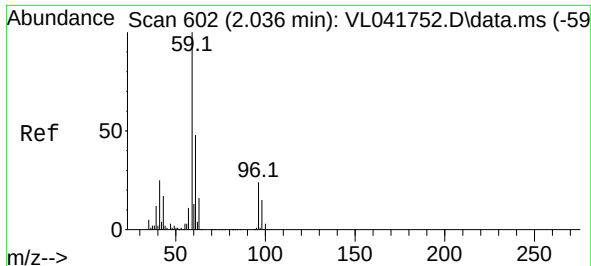
Tgt Ion: 39 Resp: 49736

Ion Ratio Lower Upper

39 100

54 68.6 58.4 87.6

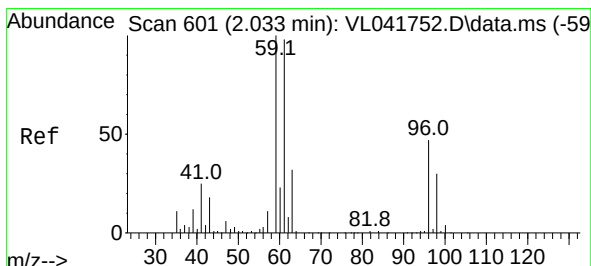
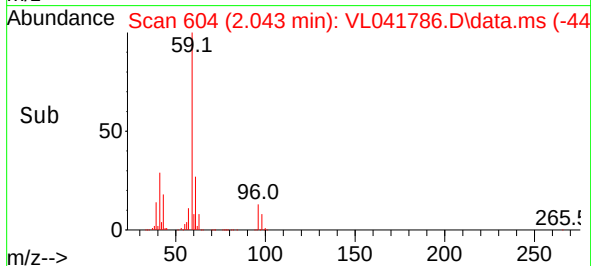
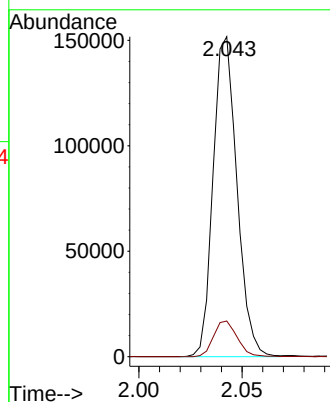
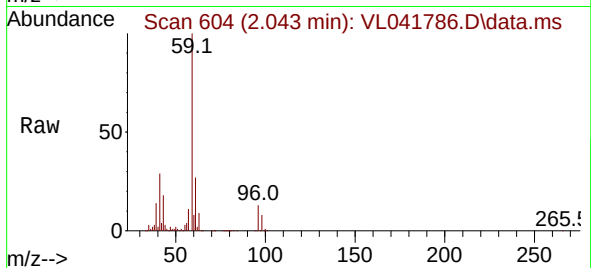




#17
tert-Butyl alcohol
Concen: 10.954 ppbv
RT: 2.043 min Scan# 601
Delta R.T. 0.006 min
Lab File: VL041786.D
Acq: 17 Dec 2024 18:52

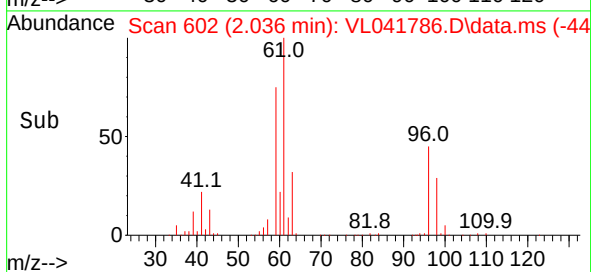
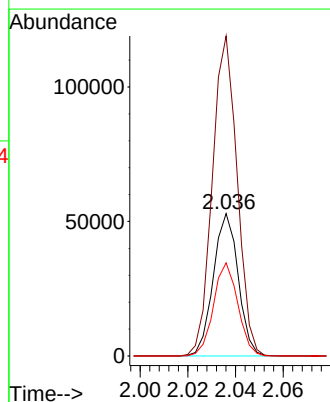
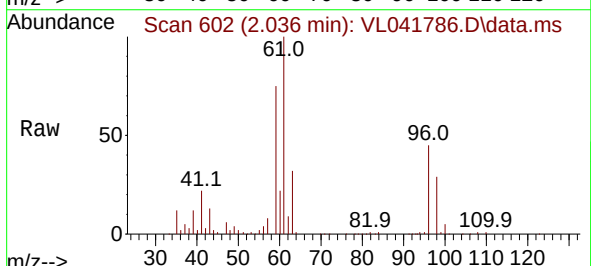
Instrument :
MSVOA_L
ClientSampleId :

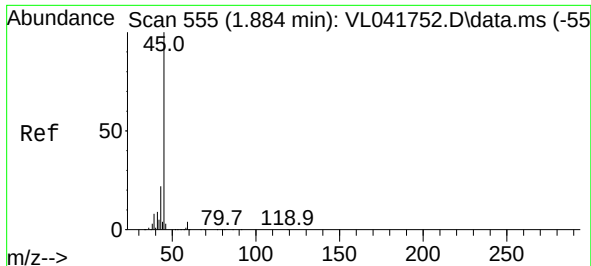
Tgt Ion: 59 Resp: 121764
Ion Ratio Lower Upper
59 100
57 11.1 8.6 13.0



#18
1,1-Dichloroethene
Concen: 11.058 ppbv
RT: 2.036 min Scan# 602
Delta R.T. 0.003 min
Lab File: VL041786.D
Acq: 17 Dec 2024 18:52

Tgt Ion: 96 Resp: 38379
Ion Ratio Lower Upper
96 100
61 224.7 167.7 251.5
98 65.4 51.1 76.7





#19

Isopropyl Alcohol

Concen: 7.933 ppbv

RT: 1.887 min Scan# 5

Delta R.T. 0.003 min

Lab File: VL041786.D

Acq: 17 Dec 2024 18:52

Instrument :

MSVOA_L

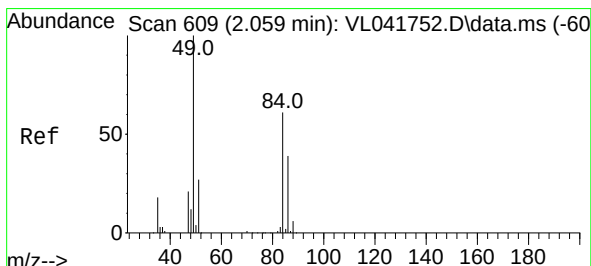
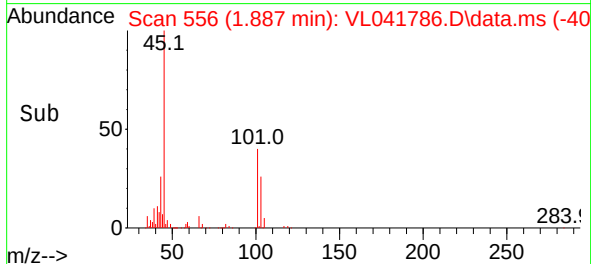
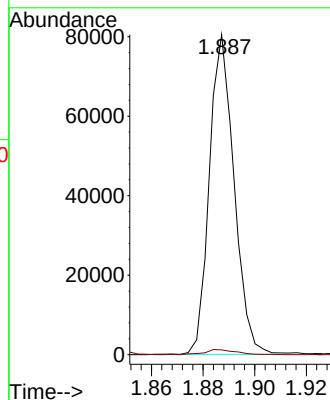
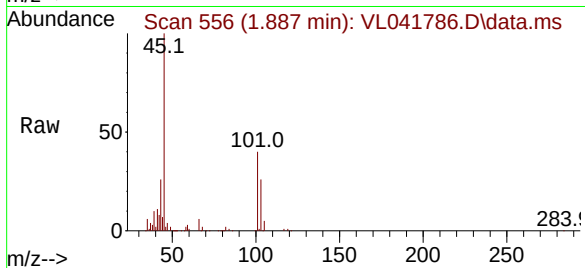
ClientSampleId :

Tgt Ion: 45 Resp: 53341

Ion Ratio Lower Upper

45 100

58 2.1 33.3 49.9#



#20

Methylene Chloride

Concen: 10.233 ppbv

RT: 2.062 min Scan# 610

Delta R.T. 0.003 min

Lab File: VL041786.D

Acq: 17 Dec 2024 18:52

Tgt Ion: 84 Resp: 32698

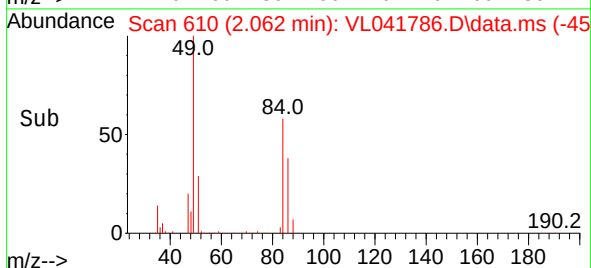
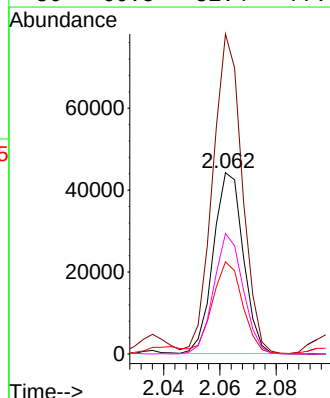
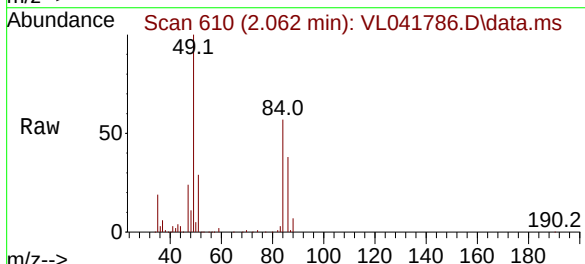
Ion Ratio Lower Upper

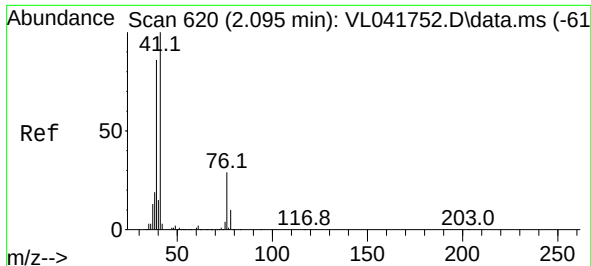
84 100

49 176.5 132.6 198.8

51 50.7 37.6 56.4

86 66.5 51.4 77.0





#21

Allyl Chloride

Concen: 11.168 ppbv

RT: 2.098 min Scan# 61

Delta R.T. 0.003 min

Lab File: VL041786.D

Acq: 17 Dec 2024 18:52

Instrument :

MSVOA_L

ClientSampleId :

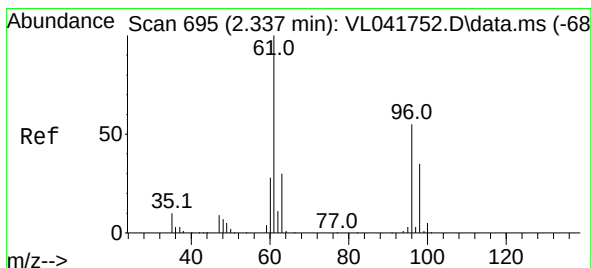
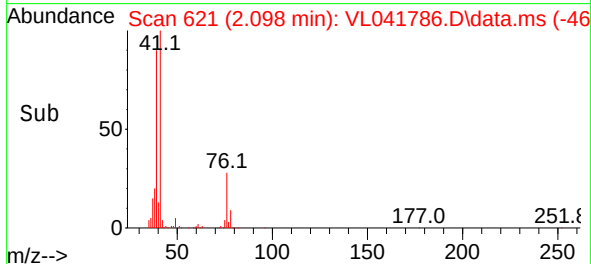
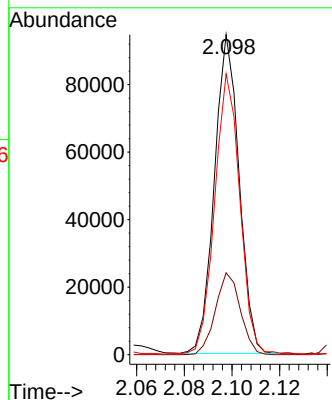
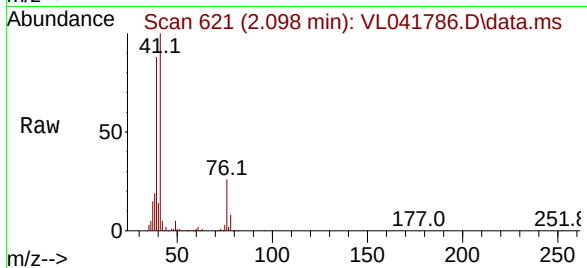
Tgt Ion: 41 Resp: 67872

Ion Ratio Lower Upper

41 100

76 25.9 22.3 33.5

39 89.8 69.2 103.8



#22

trans-1,2-Dichloroethene

Concen: 10.571 ppbv

RT: 2.344 min Scan# 697

Delta R.T. 0.006 min

Lab File: VL041786.D

Acq: 17 Dec 2024 18:52

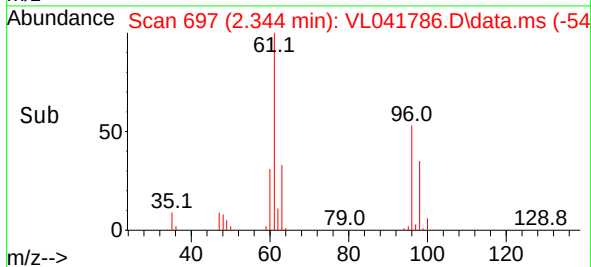
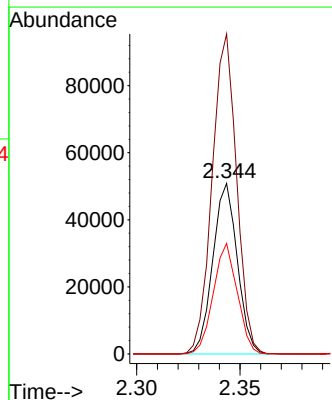
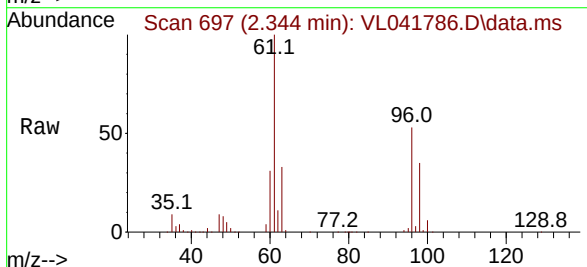
Tgt Ion: 96 Resp: 41997

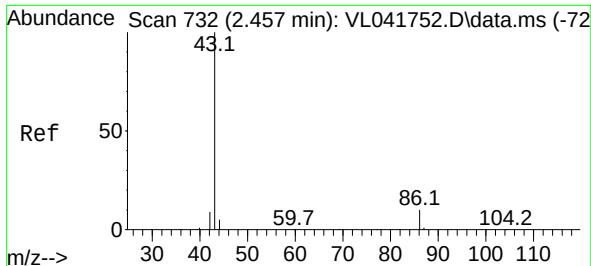
Ion Ratio Lower Upper

96 100

61 187.6 146.3 219.5

98 64.8 50.8 76.2

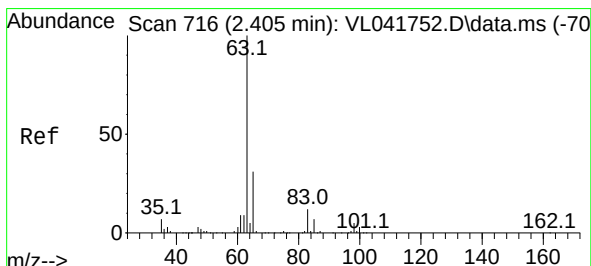
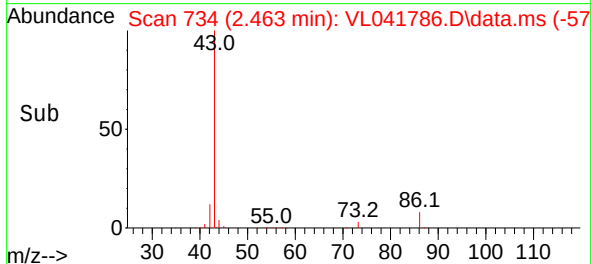
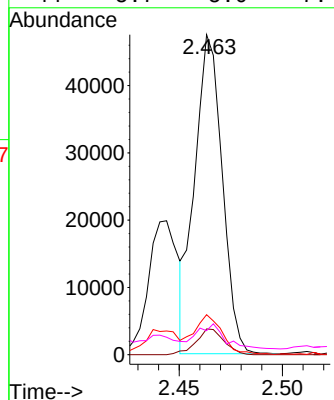
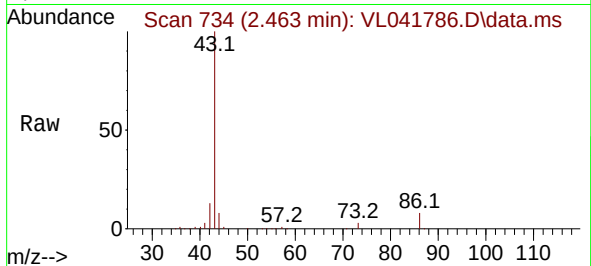




#23
 Vinyl Acetate
 Concen: 8.453 ppbv
 RT: 2.463 min Scan# 718
 Delta R.T. 0.006 min
 Lab File: VL041786.D
 Acq: 17 Dec 2024 18:52

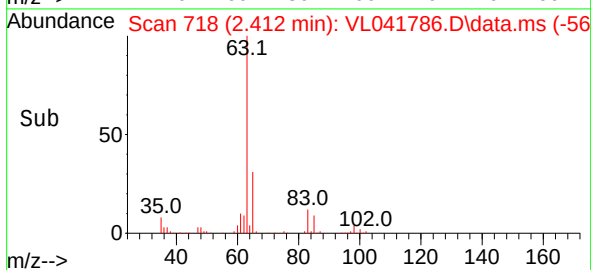
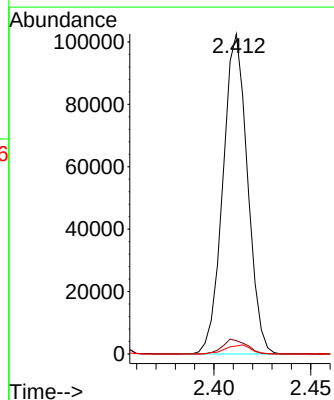
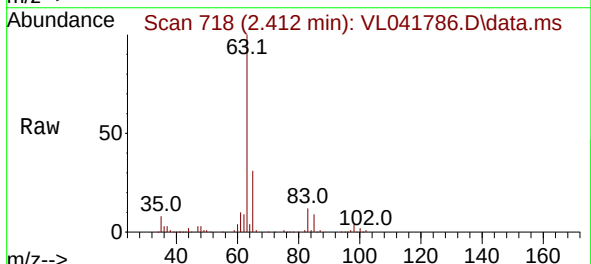
Instrument :
 MSVOA_L
 ClientSampleId :

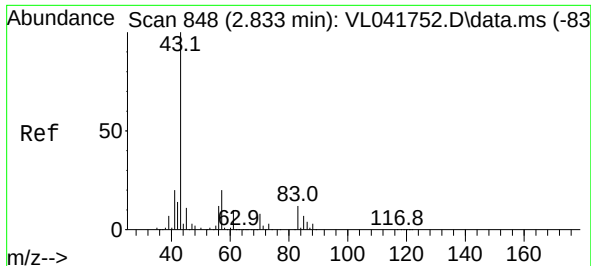
Tgt Ion:	43	Resp:	43980
Ion	Ratio	Lower	Upper
43	100		
86	8.1	6.6	10.0
42	12.3	8.2	12.2#
44	5.7	5.0	7.4



#24
 1,1-Dichloroethane
 Concen: 11.278 ppbv
 RT: 2.412 min Scan# 718
 Delta R.T. 0.006 min
 Lab File: VL041786.D
 Acq: 17 Dec 2024 18:52

Tgt Ion:	63	Resp:	90706
Ion	Ratio	Lower	Upper
63	100		
98	4.1	2.3	6.8
100	2.5	1.4	4.2





#25

Ethyl Acetate

Concen: 10.256 ppbv

RT: 2.839 min Scan# 848

Delta R.T. 0.006 min

Lab File: VL041786.D

Acq: 17 Dec 2024 18:52

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 43 Resp: 213781

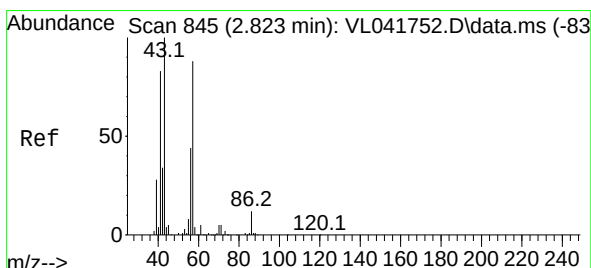
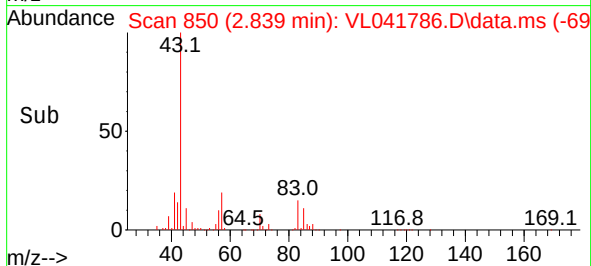
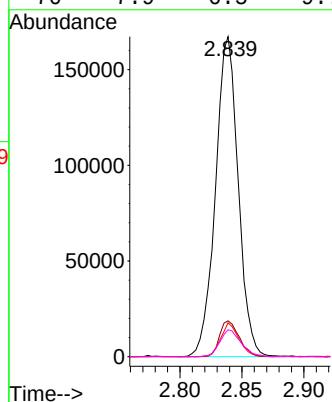
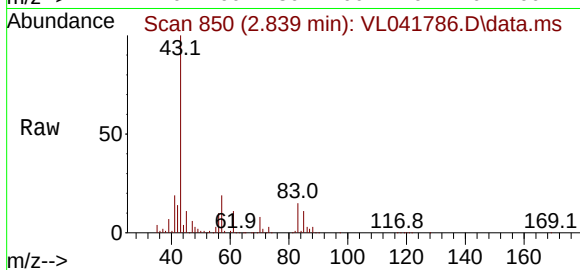
Ion Ratio Lower Upper

43 100

45 9.7 8.1 12.1

61 8.6 7.0 10.6

70 7.9 6.5 9.7



#26

Hexane

Concen: 10.000 ppbv

RT: 2.829 min Scan# 847

Delta R.T. 0.006 min

Lab File: VL041786.D

Acq: 17 Dec 2024 18:52

Tgt Ion: 57 Resp: 79108

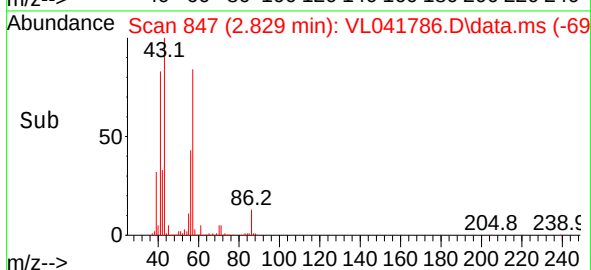
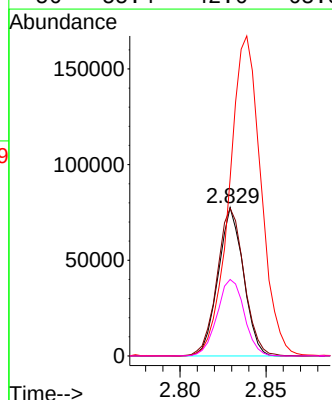
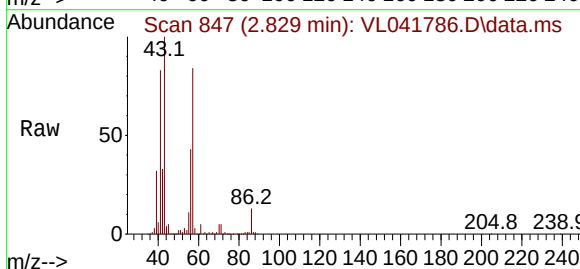
Ion Ratio Lower Upper

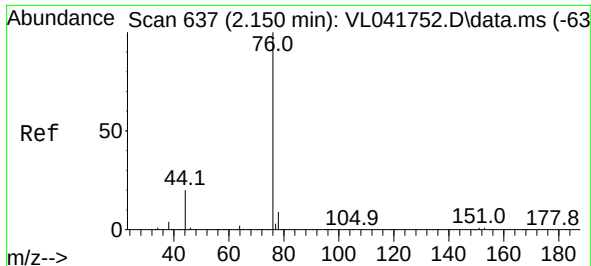
57 100

41 106.9 79.6 119.4

43 271.0 211.0 316.6

56 55.4 42.6 63.8





#27

Carbon Disulfide

Concen: 10.349 ppbv

RT: 2.153 min Scan# 61

Delta R.T. 0.003 min

Lab File: VL041786.D

Acq: 17 Dec 2024 18:52

Instrument :

MSVOA_L

ClientSampleId :

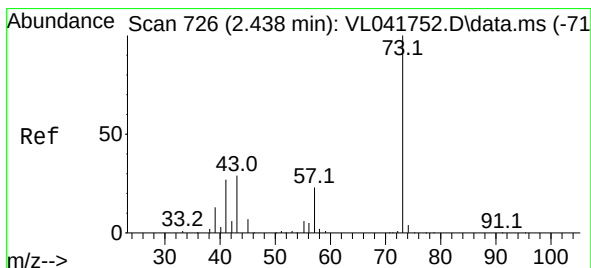
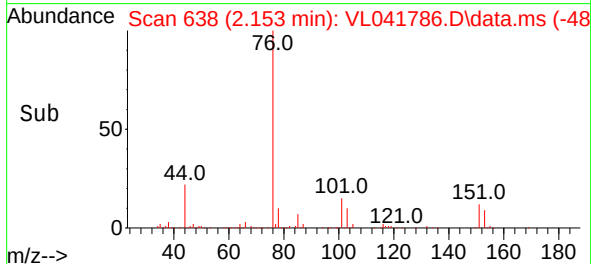
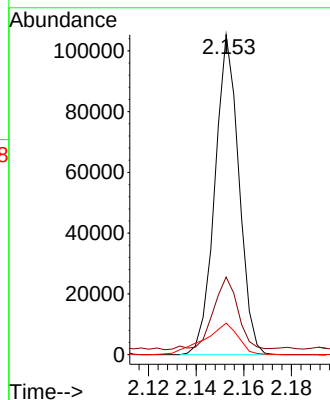
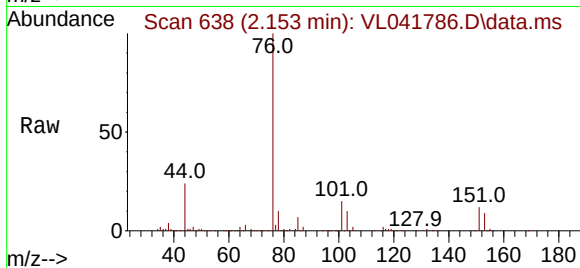
Tgt Ion: 76 Resp: 73773

Ion Ratio Lower Upper

76 100

44 27.6 17.6 26.4#

78 13.9 10.2 15.4



#28

Methyl tert-Butyl Ether

Concen: 10.103 ppbv

RT: 2.441 min Scan# 727

Delta R.T. 0.003 min

Lab File: VL041786.D

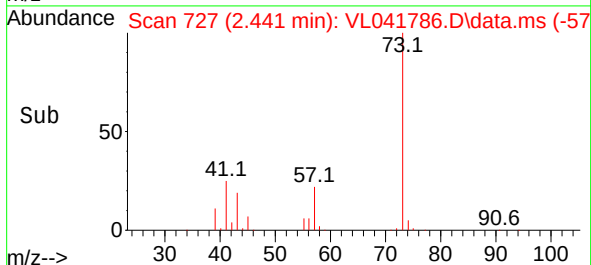
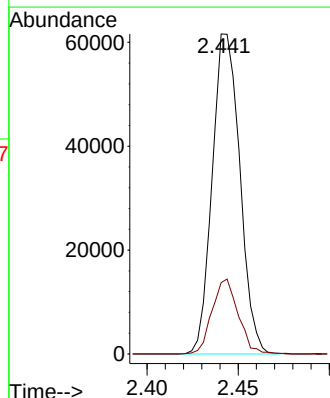
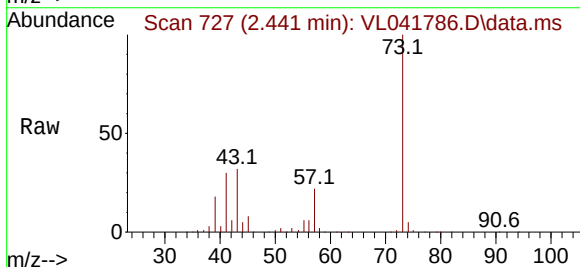
Acq: 17 Dec 2024 18:52

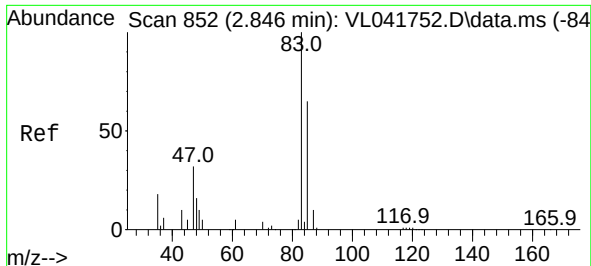
Tgt Ion: 73 Resp: 64839

Ion Ratio Lower Upper

73 100

57 22.2 17.6 26.4





#29

Chloroform

Concen: 11.190 ppbv

RT: 2.852 min Scan# 854

Delta R.T. 0.006 min

Lab File: VL041786.D

Acq: 17 Dec 2024 18:52

Instrument :

MSVOA_L

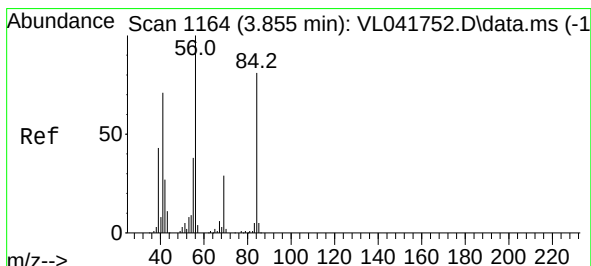
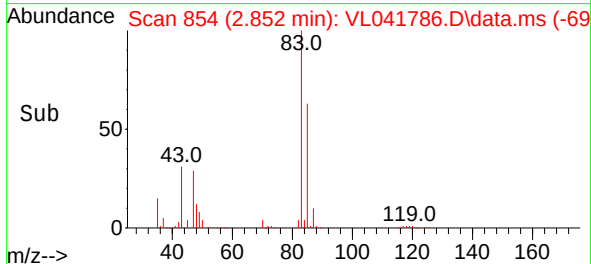
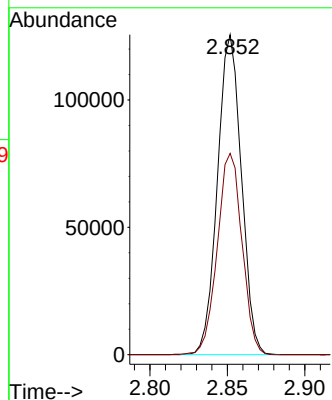
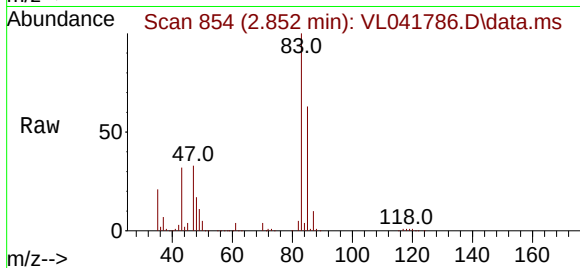
ClientSampleId :

Tgt Ion: 83 Resp: 134897

Ion Ratio Lower Upper

83 100

85 62.9 51.8 77.6



#30

Cyclohexane

Concen: 9.685 ppbv

RT: 3.862 min Scan# 1166

Delta R.T. 0.006 min

Lab File: VL041786.D

Acq: 17 Dec 2024 18:52

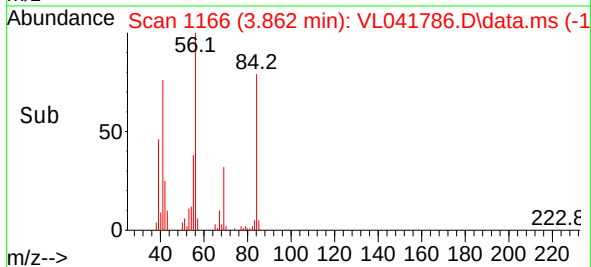
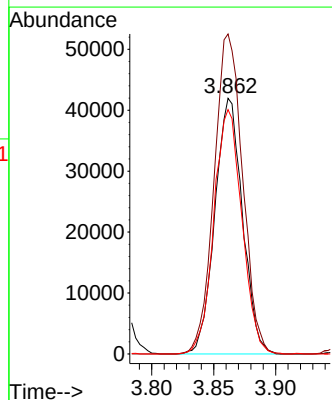
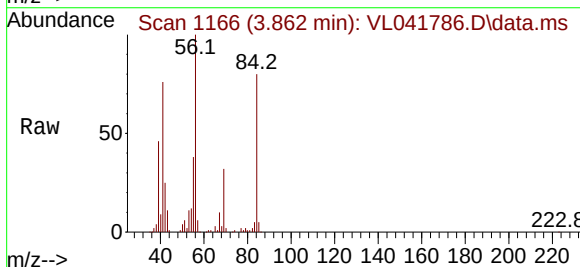
Tgt Ion: 84 Resp: 65188

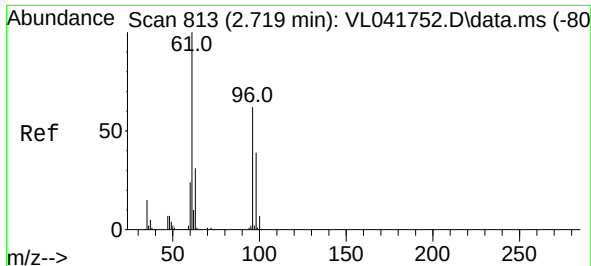
Ion Ratio Lower Upper

84 100

56 129.3 102.3 153.5

41 97.1 74.0 111.0





#31

cis-1,2-Dichloroethene

Concen: 10.294 ppbv

RT: 2.725 min Scan# 81

Delta R.T. 0.006 min

Lab File: VL041786.D

Acq: 17 Dec 2024 18:52

Instrument :

MSVOA_L

ClientSampleId :

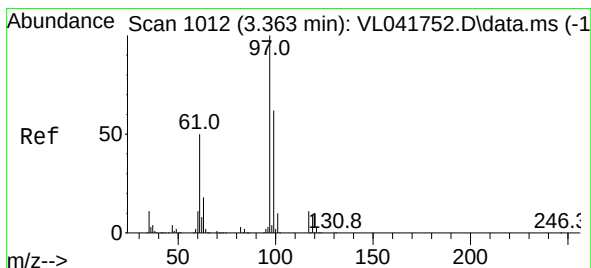
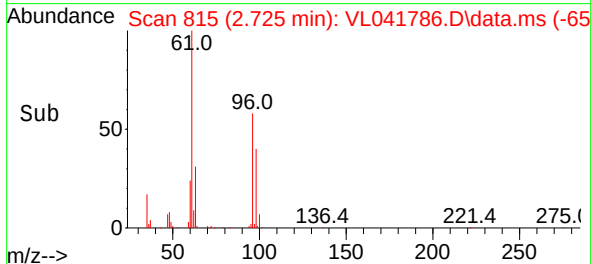
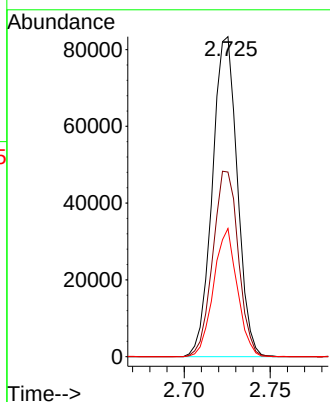
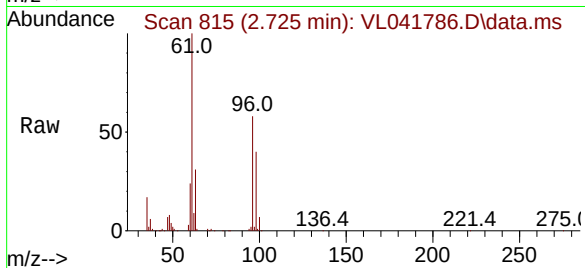
Tgt Ion: 61 Resp: 84149

Ion Ratio Lower Upper

61 100

96 57.7 49.7 74.5

98 40.0 30.8 46.2



#32

1,1,1-Trichloroethane

Concen: 10.862 ppbv

RT: 3.370 min Scan# 1014

Delta R.T. 0.006 min

Lab File: VL041786.D

Acq: 17 Dec 2024 18:52

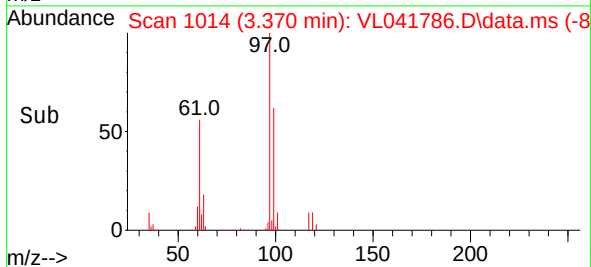
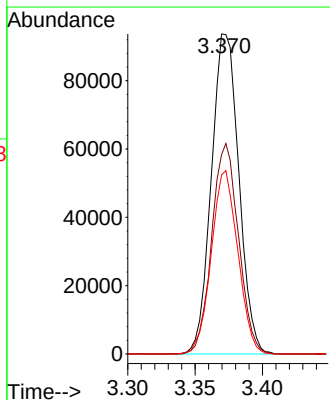
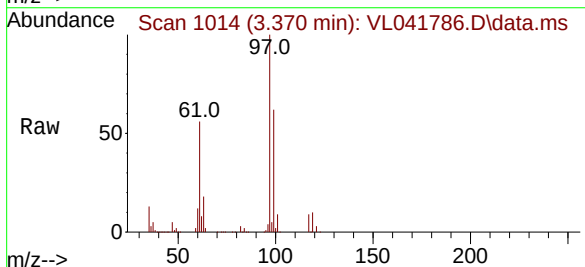
Tgt Ion: 97 Resp: 133117

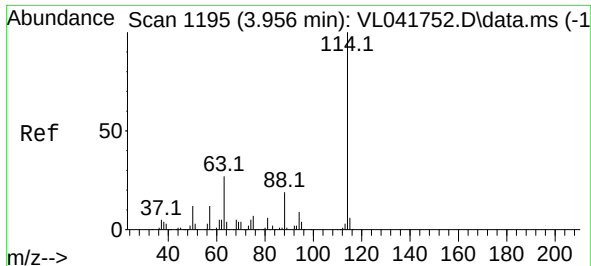
Ion Ratio Lower Upper

97 100

99 63.7 51.0 76.4

61 55.3 42.2 63.2





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.962 min Scan# 1195

Delta R.T. 0.006 min

Lab File: VL041786.D

Acq: 17 Dec 2024 18:52

Instrument :

MSVOA_L

ClientSampleId :

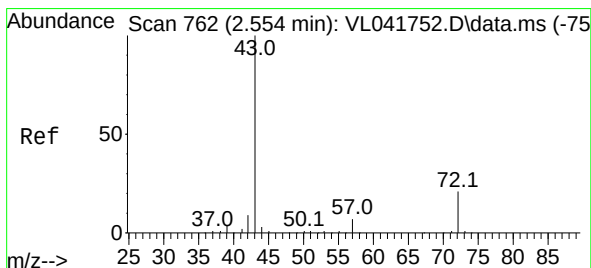
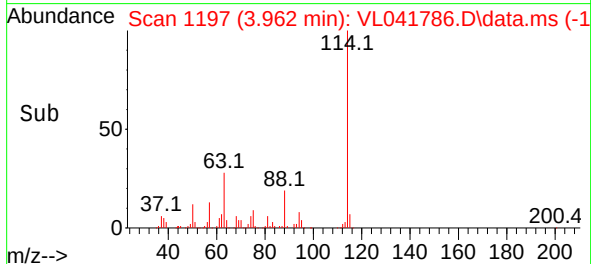
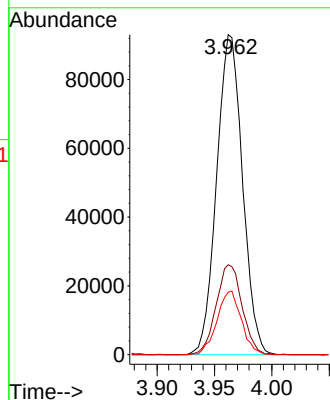
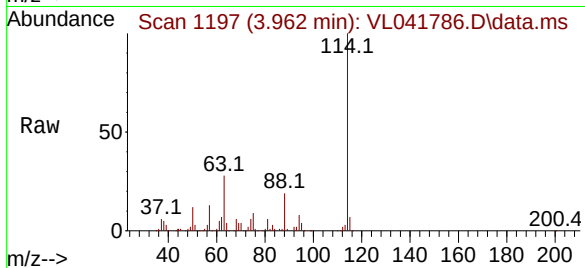
Tgt Ion:114 Resp: 145725

Ion Ratio Lower Upper

114 100

63 28.2 21.8 32.8

88 18.7 14.8 22.2



#34

2-Butanone

Concen: 10.579 ppbv

RT: 2.560 min Scan# 764

Delta R.T. 0.006 min

Lab File: VL041786.D

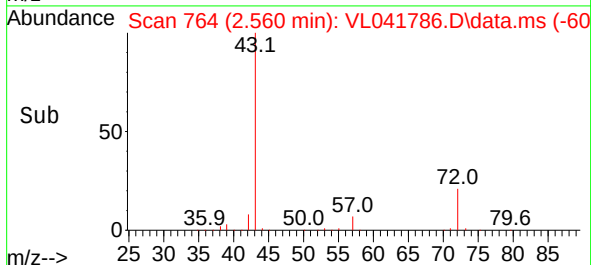
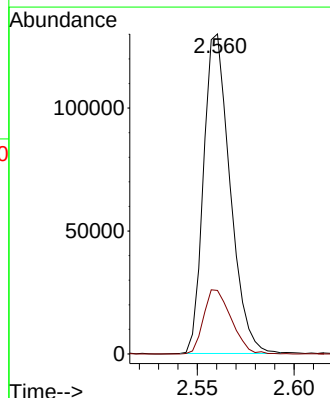
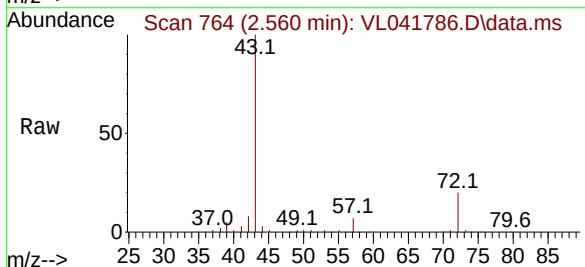
Acq: 17 Dec 2024 18:52

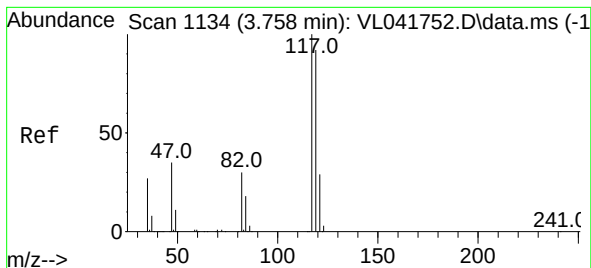
Tgt Ion: 43 Resp: 124022

Ion Ratio Lower Upper

43 100

72 21.0 16.8 25.2





#35

Carbon Tetrachloride

Concen: 12.923 ppbv

RT: 3.768 min Scan# 1137

Delta R.T. 0.009 min

Lab File: VL041786.D

Acq: 17 Dec 2024 18:52

Instrument :

MSVOA_L

ClientSampleId :

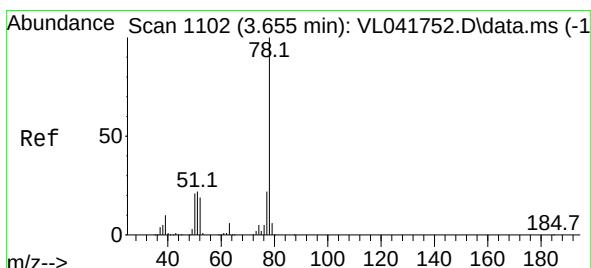
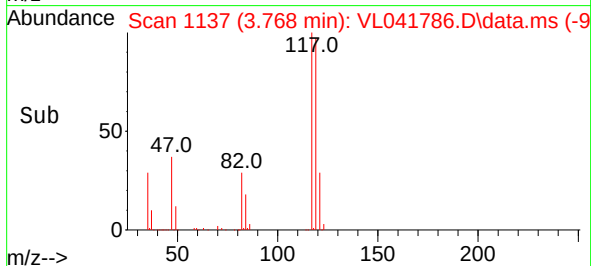
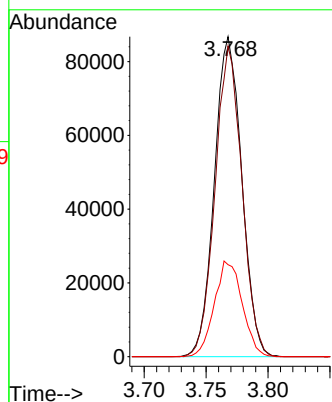
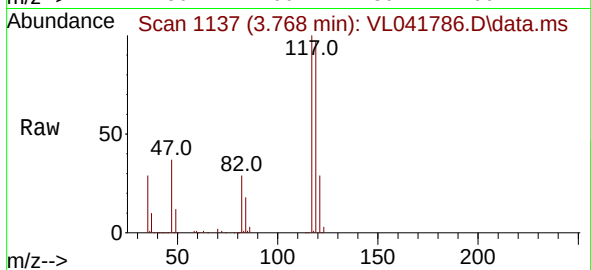
Tgt Ion:117 Resp: 133687

Ion Ratio Lower Upper

117 100

119 97.0 73.7 110.5

121 28.7 23.0 34.4



#36

Benzene

Concen: 10.501 ppbv

RT: 3.661 min Scan# 1104

Delta R.T. 0.006 min

Lab File: VL041786.D

Acq: 17 Dec 2024 18:52

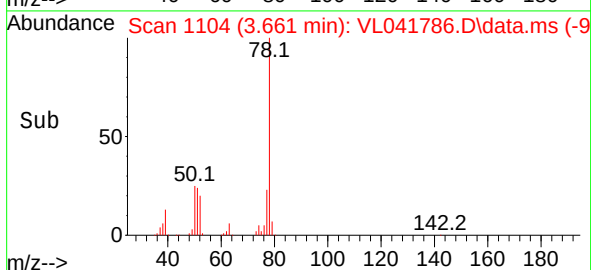
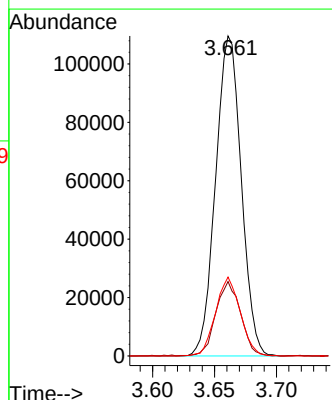
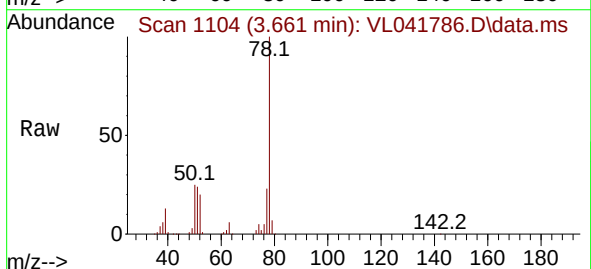
Tgt Ion: 78 Resp: 158285

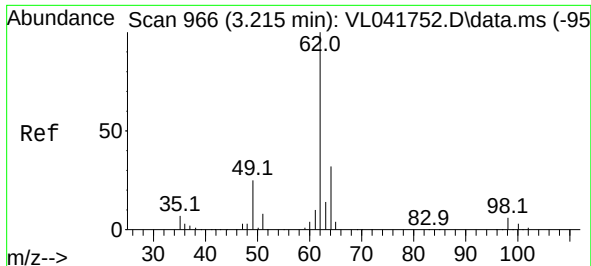
Ion Ratio Lower Upper

78 100

77 23.3 17.8 26.6

50 24.6 17.2 25.8





#37

1,2-Dichloroethane

Concen: 11.741 ppbv

RT: 3.224 min Scan# 9

Delta R.T. 0.009 min

Lab File: VL041786.D

Acq: 17 Dec 2024 18:52

Instrument :

MSVOA_L

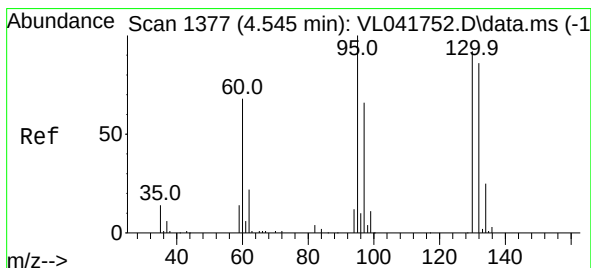
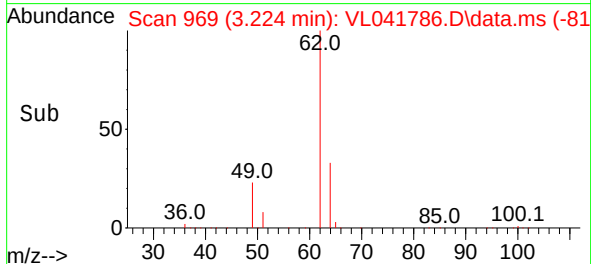
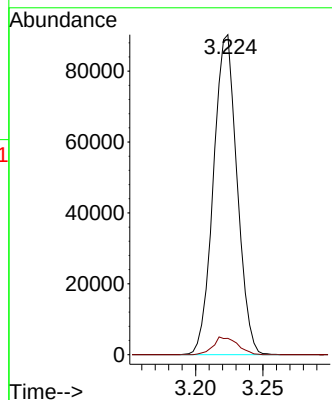
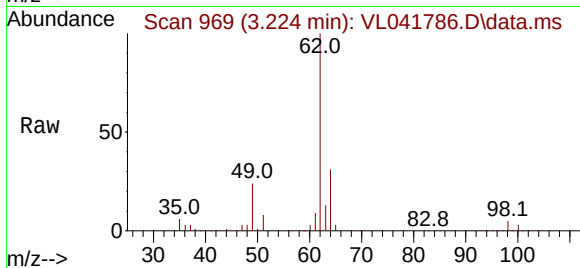
ClientSampleId :

Tgt Ion: 62 Resp: 110126

Ion Ratio Lower Upper

62 100

98 5.6 4.7 7.1



#38

Trichloroethene

Concen: 9.861 ppbv

RT: 4.554 min Scan# 1380

Delta R.T. 0.009 min

Lab File: VL041786.D

Acq: 17 Dec 2024 18:52

Tgt Ion:130 Resp: 63096

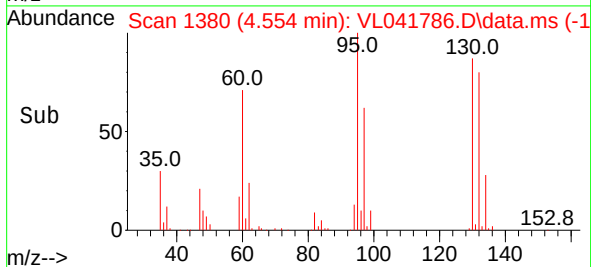
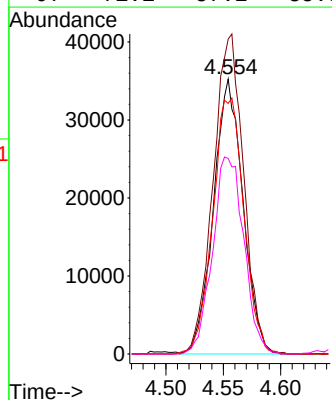
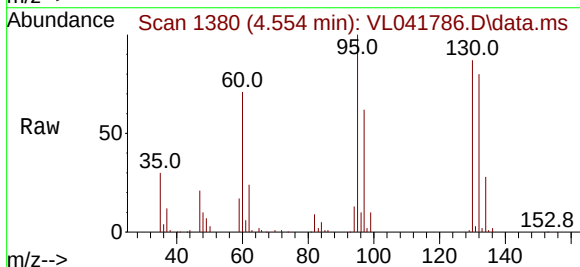
Ion Ratio Lower Upper

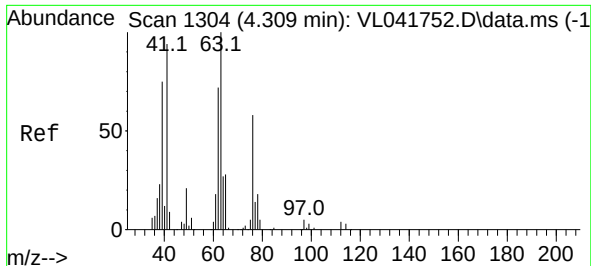
130 100

95 114.1 87.0 130.6

132 91.0 75.0 112.6

97 71.1 57.2 85.8





#39

1,2-Dichloropropane

Concen: 10.290 ppbv

RT: 4.318 min Scan# 1307

Delta R.T. 0.009 min

Lab File: VL041786.D

Acq: 17 Dec 2024 18:52

Instrument :

MSVOA_L

ClientSampleId :

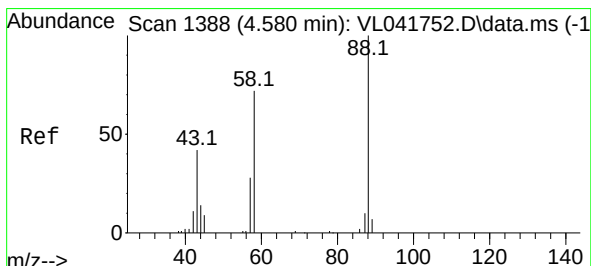
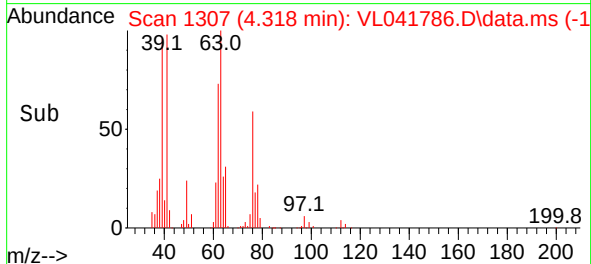
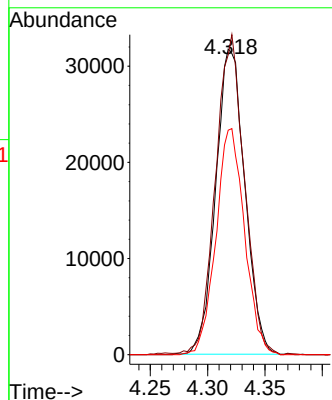
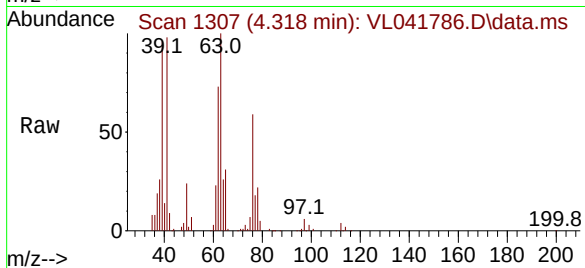
Tgt Ion: 63 Resp: 56099

Ion Ratio Lower Upper

63 100

41 98.3 75.3 112.9

62 73.6 57.3 85.9



#40

1,4-Dioxane

Concen: 9.451 ppbv

RT: 4.593 min Scan# 1392

Delta R.T. 0.013 min

Lab File: VL041786.D

Acq: 17 Dec 2024 18:52

Tgt Ion: 88 Resp: 25169

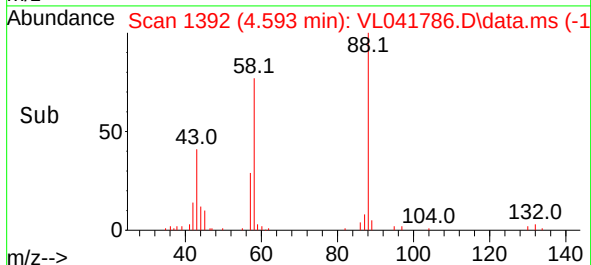
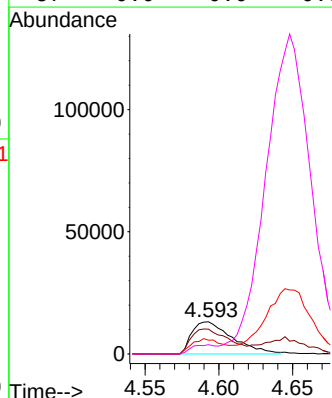
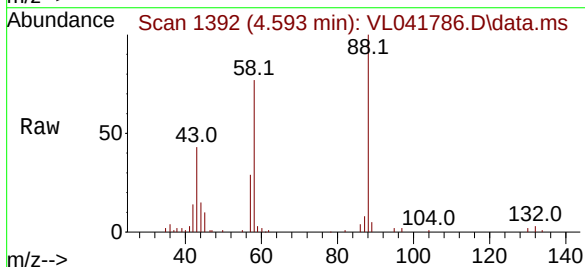
Ion Ratio Lower Upper

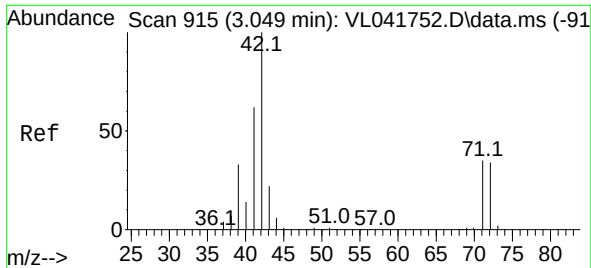
88 100

58 74.9 61.0 91.6

43 40.5 29.4 44.0

57 0.0 0.0 0.0





#41

Tetrahydrofuran

Concen: 9.866 ppbv

RT: 3.059 min Scan# 915

Delta R.T. 0.009 min

Lab File: VL041786.D

Acq: 17 Dec 2024 18:52

Instrument :

MSVOA_L

ClientSampleId :

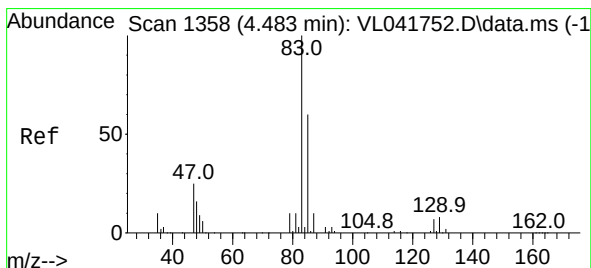
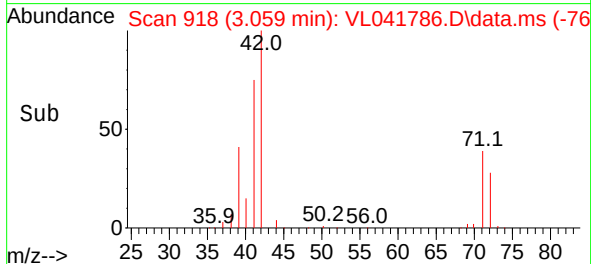
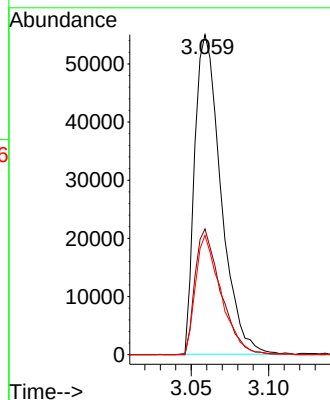
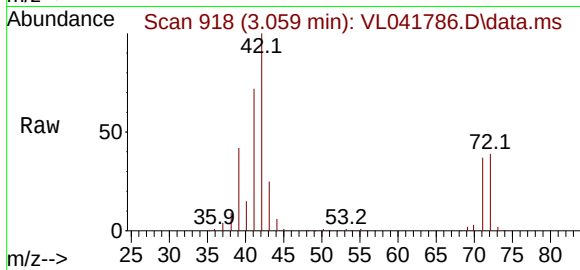
Tgt Ion: 42 Resp: 64798

Ion Ratio Lower Upper

42 100

72 38.7 29.1 43.7

71 36.3 28.4 42.6



#42

Bromodichloromethane

Concen: 12.130 ppbv

RT: 4.496 min Scan# 1362

Delta R.T. 0.013 min

Lab File: VL041786.D

Acq: 17 Dec 2024 18:52

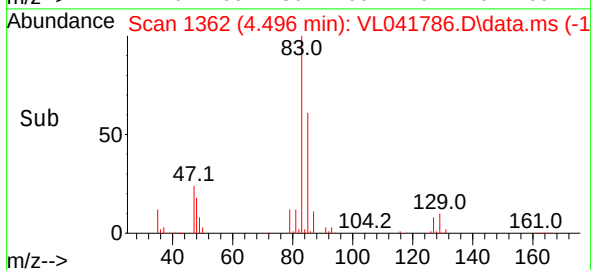
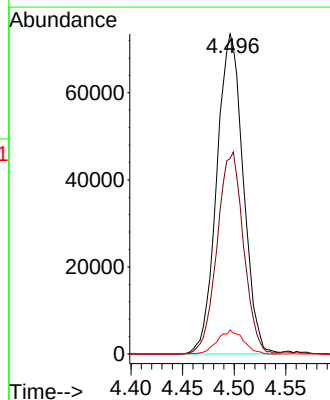
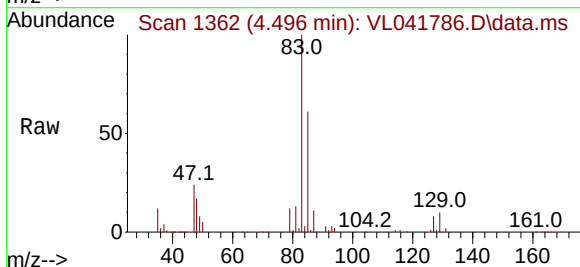
Tgt Ion: 83 Resp: 130888

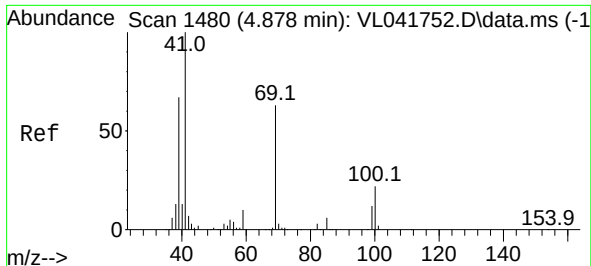
Ion Ratio Lower Upper

83 100

85 61.1 48.0 72.0

127 7.5 5.8 8.8

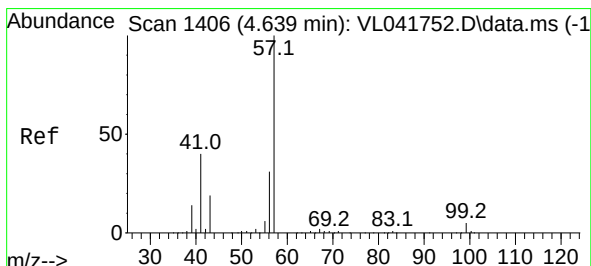
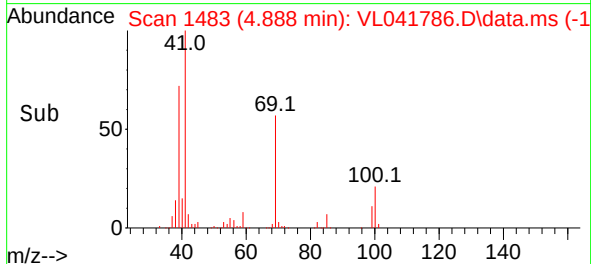
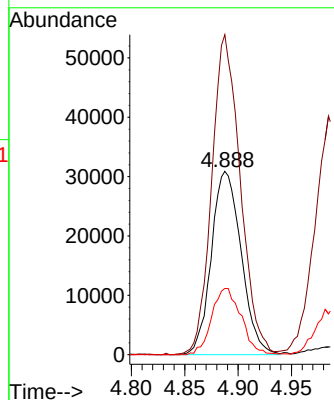
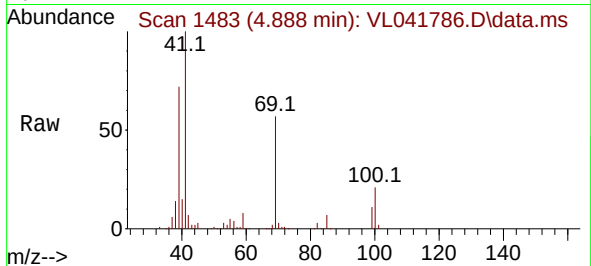




#43
Methyl Methacrylate
Concen: 10.464 ppbv
RT: 4.888 min Scan# 1483
Delta R.T. 0.009 min
Lab File: VL041786.D
Acq: 17 Dec 2024 18:52

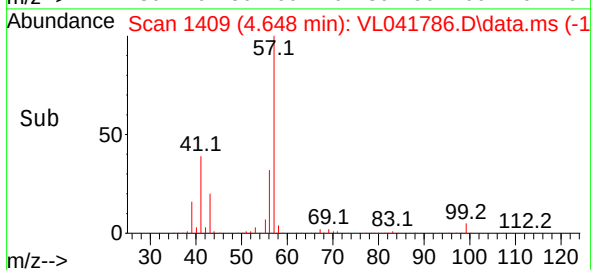
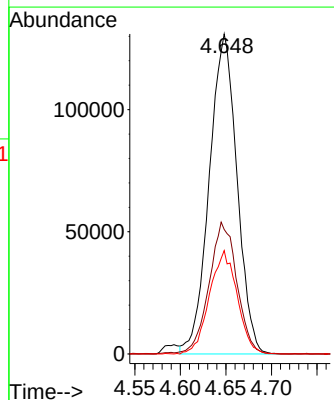
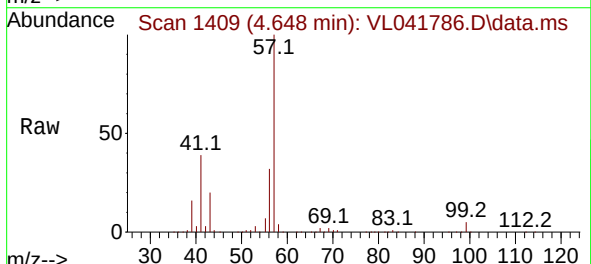
Instrument :
MSVOA_1
ClientSampleId :

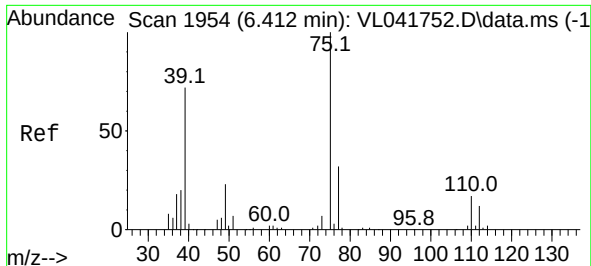
Tgt Ion: 69 Resp: 60098
Ion Ratio Lower Upper
69 100
41 167.2 130.3 195.5
100 35.7 28.3 42.5



#44
2,2,4-Trimethylpentane
Concen: 10.775 ppbv
RT: 4.648 min Scan# 1409
Delta R.T. 0.009 min
Lab File: VL041786.D
Acq: 17 Dec 2024 18:52

Tgt Ion: 57 Resp: 277393
Ion Ratio Lower Upper
57 100
41 41.5 30.7 46.1
56 32.2 25.4 38.0





#45

t-1,3-Dichloropropene

Concen: 9.717 ppbv

RT: 6.425 min Scan# 1

Delta R.T. 0.013 min

Lab File: VL041786.D

Acq: 17 Dec 2024 18:52

Instrument :

MSVOA_L

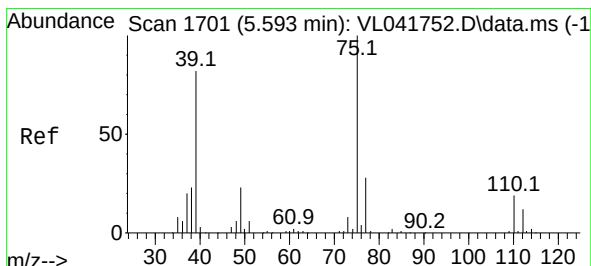
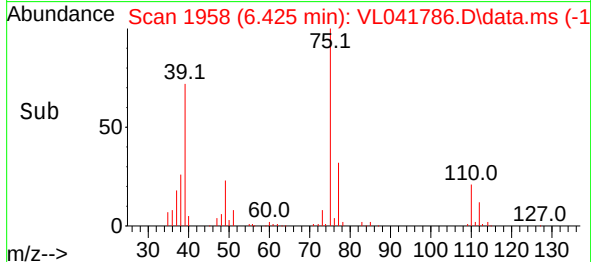
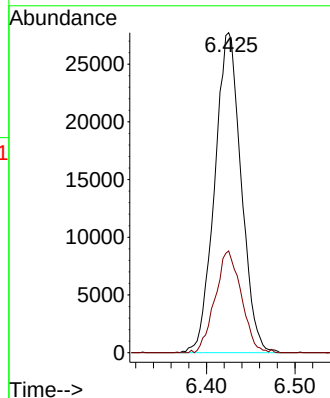
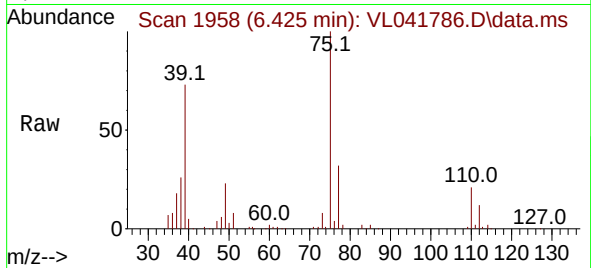
ClientSampleId :

Tgt Ion: 75 Resp: 57726

Ion Ratio Lower Upper

75 100

77 31.8 25.9 38.9



#46

cis-1,3-Dichloropropene

Concen: 9.732 ppbv

RT: 5.609 min Scan# 1706

Delta R.T. 0.016 min

Lab File: VL041786.D

Acq: 17 Dec 2024 18:52

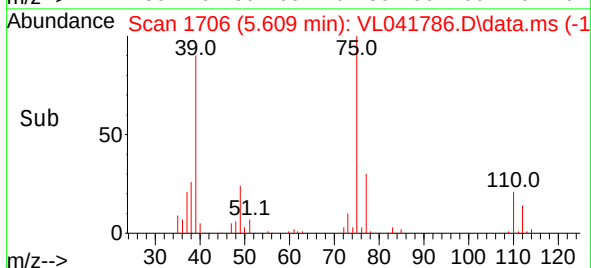
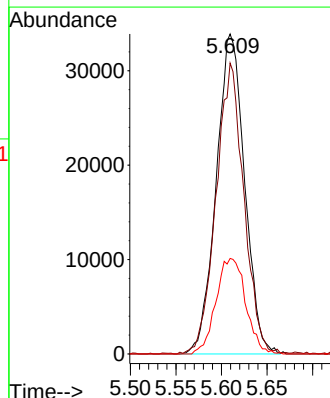
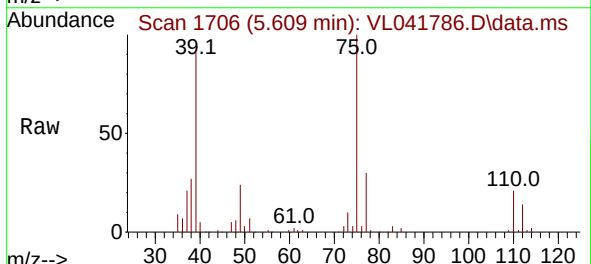
Tgt Ion: 75 Resp: 73396

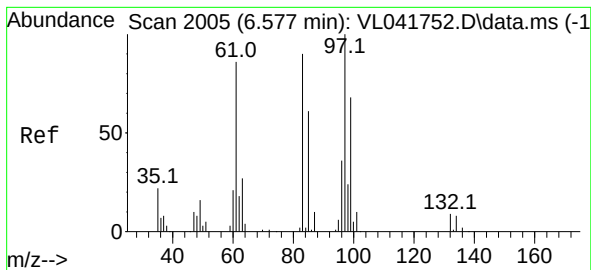
Ion Ratio Lower Upper

75 100

39 90.6 65.2 97.8

77 29.9 22.0 33.0





#47

1,1,2-Trichloroethane

Concen: 10.937 ppbv

RT: 6.590 min Scan# 2009

Delta R.T. 0.013 min

Lab File: VL041786.D

Acq: 17 Dec 2024 18:52

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 97 Resp: 62282

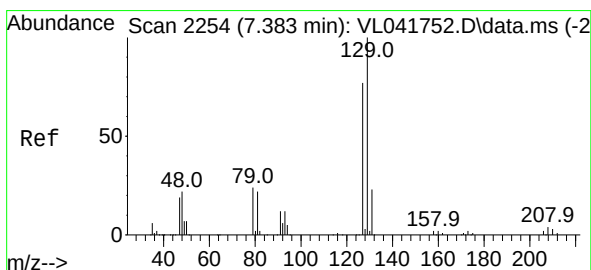
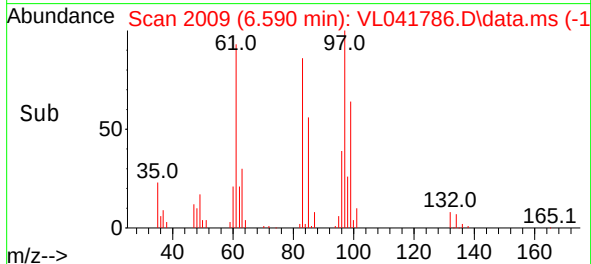
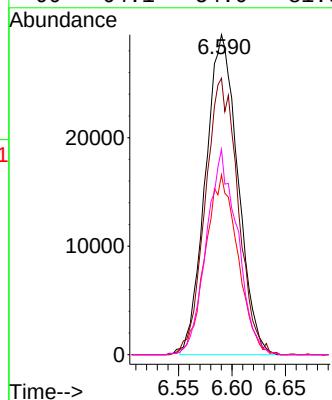
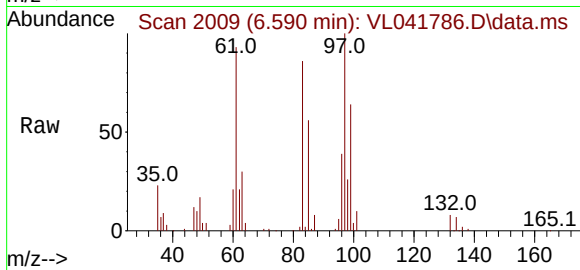
Ion Ratio Lower Upper

97 100

83 86.4 72.3 108.5

85 56.2 48.5 72.7

99 64.1 54.0 81.0



#48

Dibromochloromethane

Concen: 11.761 ppbv

RT: 7.396 min Scan# 2258

Delta R.T. 0.013 min

Lab File: VL041786.D

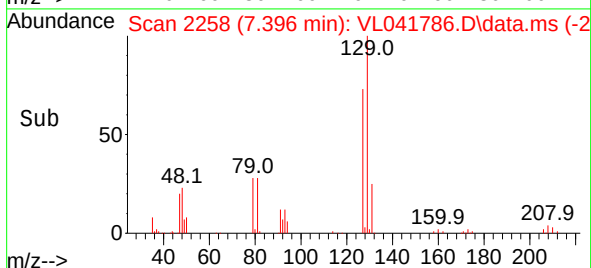
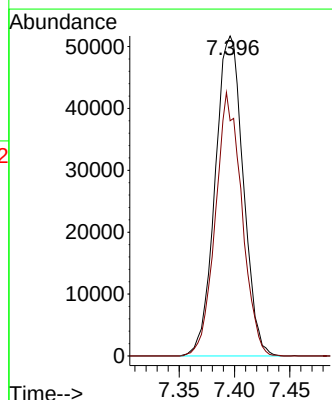
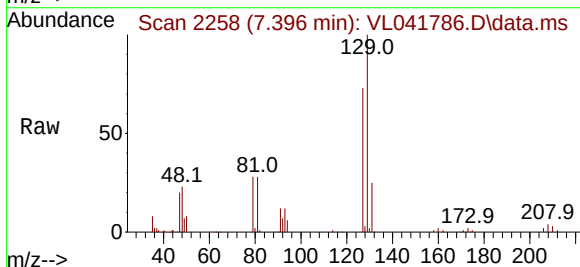
Acq: 17 Dec 2024 18:52

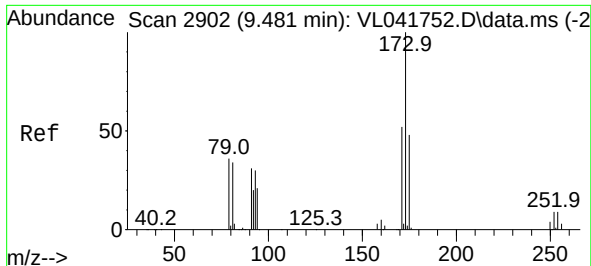
Tgt Ion:129 Resp: 91448

Ion Ratio Lower Upper

129 100

127 77.3 38.8 116.3





#49

Bromoform

Concen: 11.496 ppbv

RT: 9.490 min Scan# 20

Delta R.T. 0.009 min

Lab File: VL041786.D

Acq: 17 Dec 2024 18:52

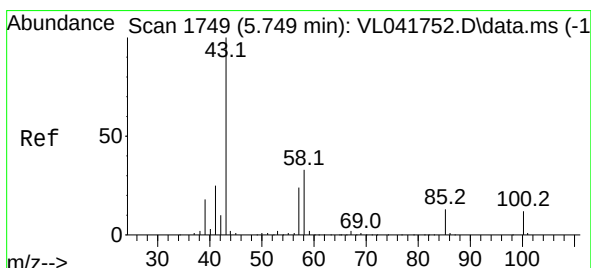
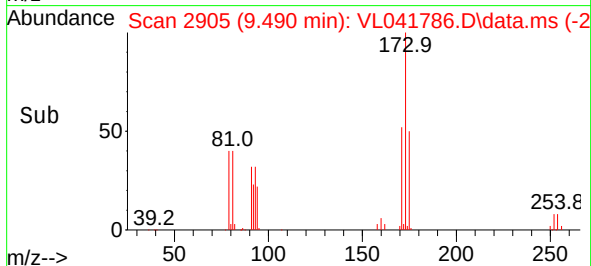
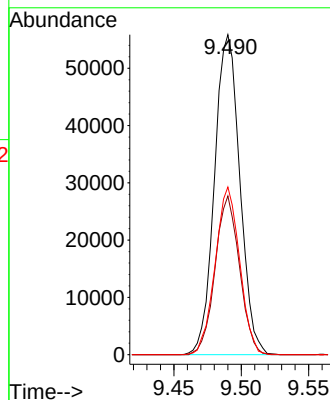
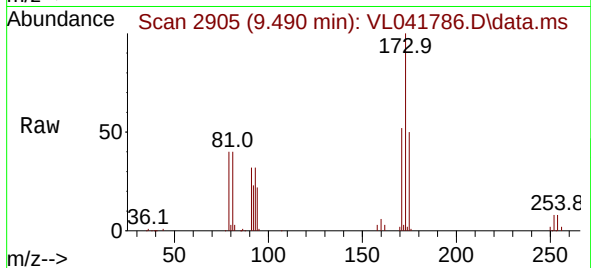
Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:173 Resp: 73172

Ion	Ratio	Lower	Upper
173	100		
175	47.6	38.2	57.2
171	50.5	41.1	61.7



#50

4-Methyl-2-Pentanone

Concen: 10.692 ppbv

RT: 5.758 min Scan# 1752

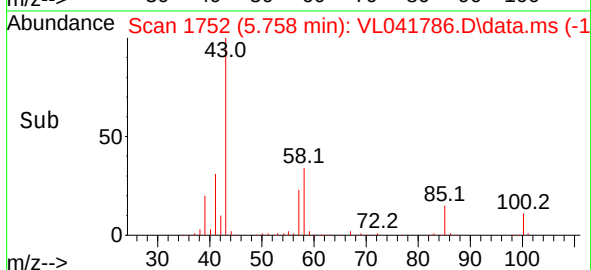
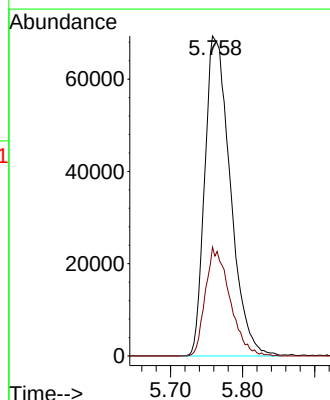
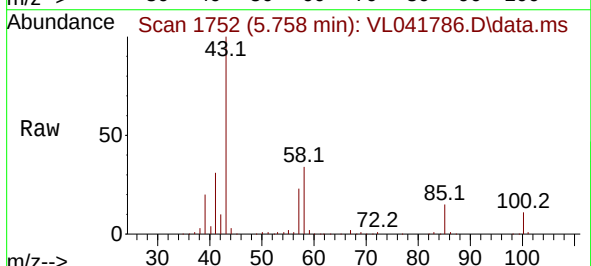
Delta R.T. 0.009 min

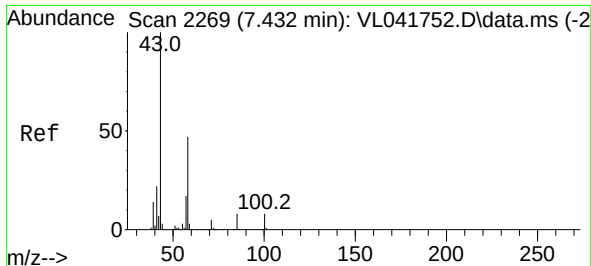
Lab File: VL041786.D

Acq: 17 Dec 2024 18:52

Tgt Ion: 43 Resp: 170674

Ion	Ratio	Lower	Upper
43	100		
58	32.5	26.8	40.2

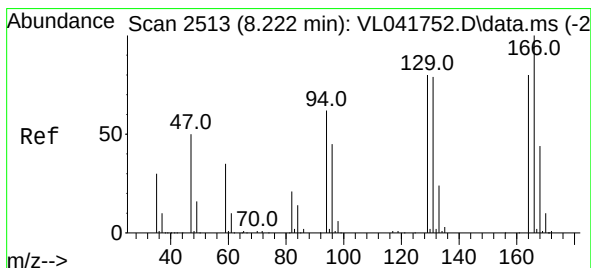
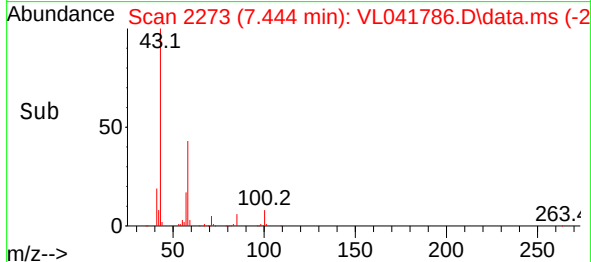
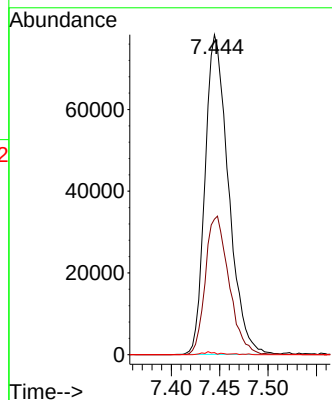
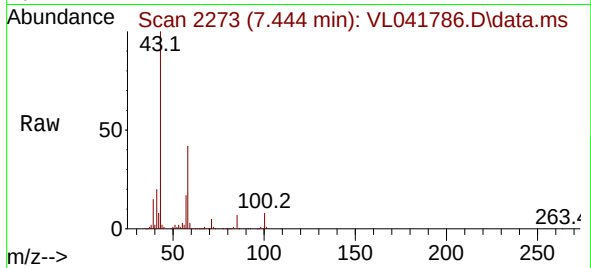




#51
2-Hexanone
Concen: 10.165 ppbv
RT: 7.444 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL041786.D
Acq: 17 Dec 2024 18:52

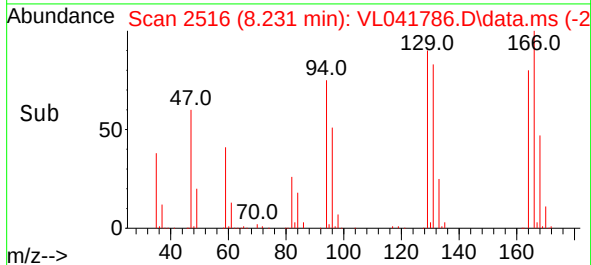
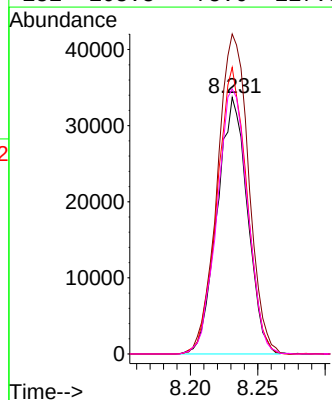
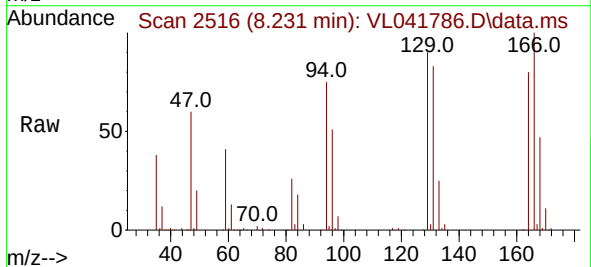
Instrument :
MSVOA_L
ClientSampleId :

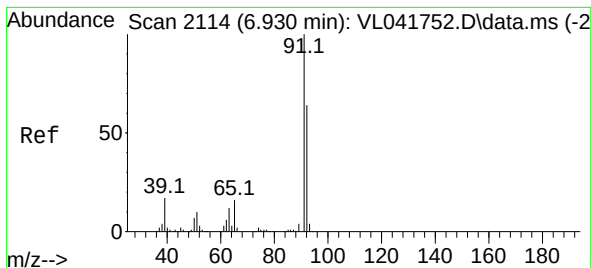
Tgt Ion: 43 Resp: 131517
Ion Ratio Lower Upper
43 100
58 43.9 36.6 55.0
98 0.7 0.1 0.1#



#52
Tetrachloroethene
Concen: 9.413 ppbv
RT: 8.231 min Scan# 2516
Delta R.T. 0.009 min
Lab File: VL041786.D
Acq: 17 Dec 2024 18:52

Tgt Ion:164 Resp: 52813
Ion Ratio Lower Upper
164 100
166 124.6 99.8 149.6
129 111.6 79.6 119.4
131 103.3 78.6 117.8





#53

Toluene

Concen: 10.227 ppbv

RT: 6.940 min Scan# 2114

Delta R.T. 0.009 min

Lab File: VL041786.D

Acq: 17 Dec 2024 18:52

Instrument :

MSVOA_L

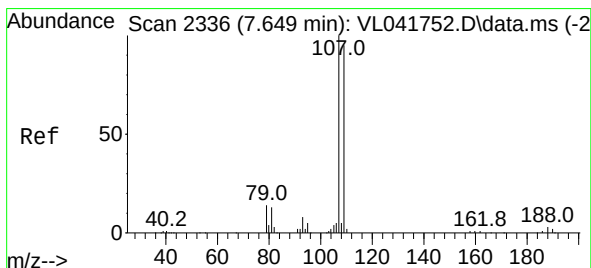
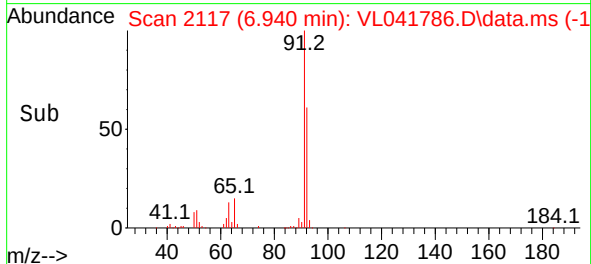
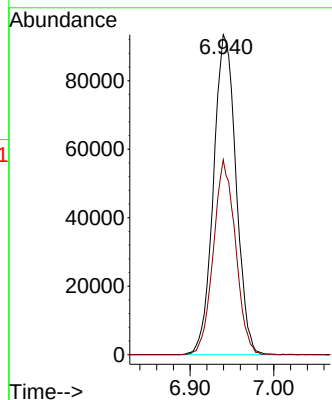
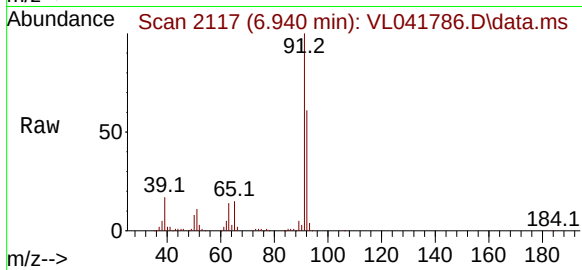
ClientSampleId :

Tgt Ion: 91 Resp: 174785

Ion Ratio Lower Upper

91 100

92 59.7 47.9 71.9



#54

1,2-Dibromoethane

Concen: 10.762 ppbv

RT: 7.661 min Scan# 2340

Delta R.T. 0.013 min

Lab File: VL041786.D

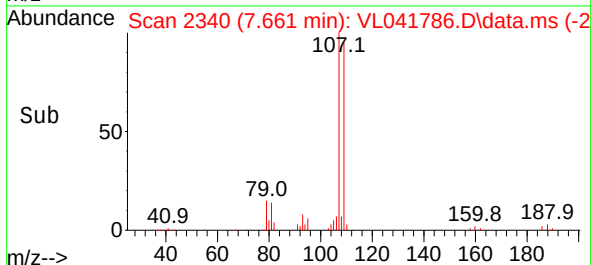
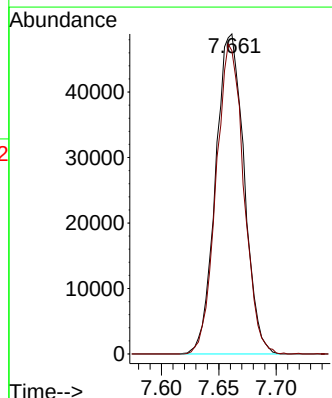
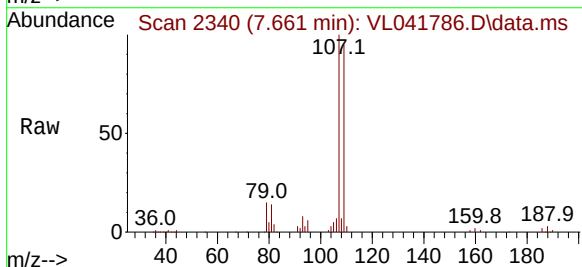
Acq: 17 Dec 2024 18:52

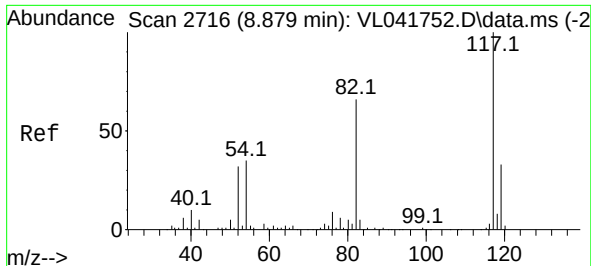
Tgt Ion:107 Resp: 84441

Ion Ratio Lower Upper

107 100

109 94.8 75.9 113.9





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.888 min Scan# 2719

Delta R.T. 0.009 min

Lab File: VL041786.D

Acq: 17 Dec 2024 18:52

Instrument :

MSVOA_L

ClientSampleId :

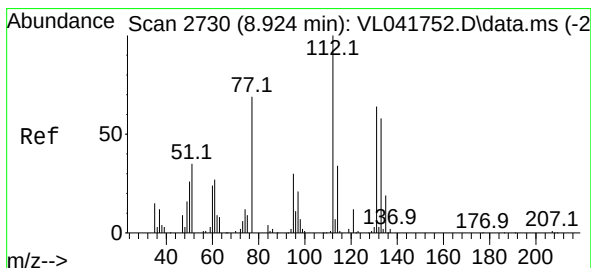
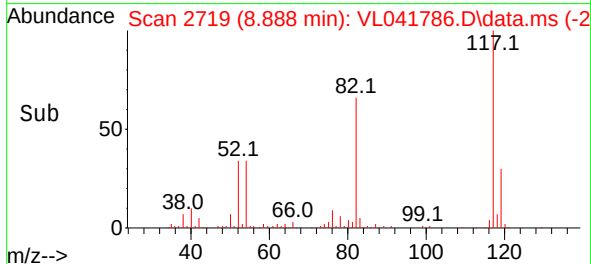
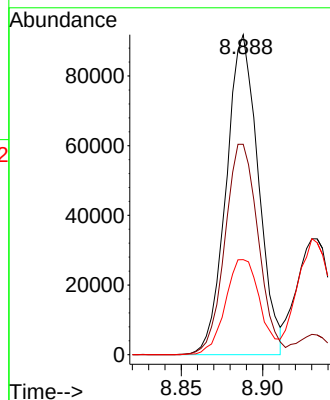
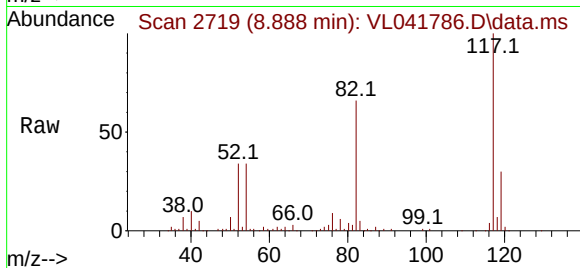
Tgt Ion:117 Resp: 125895

Ion Ratio Lower Upper

117 100

82 74.7 53.8 80.8

119 31.7 26.7 40.1



#56

1,1,1,2-Tetrachloroethane

Concen: 11.903 ppbv

RT: 8.930 min Scan# 2732

Delta R.T. 0.006 min

Lab File: VL041786.D

Acq: 17 Dec 2024 18:52

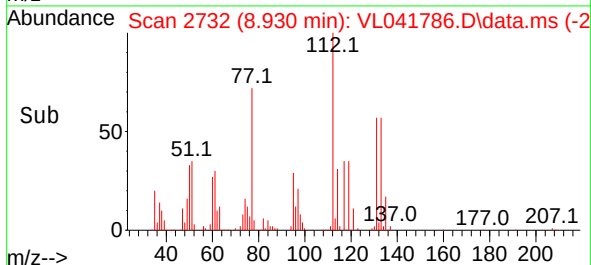
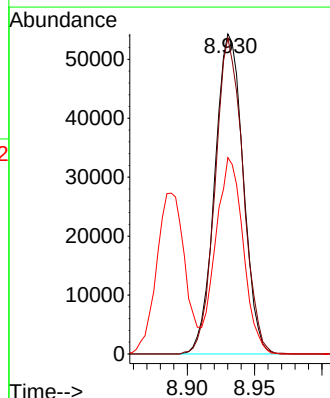
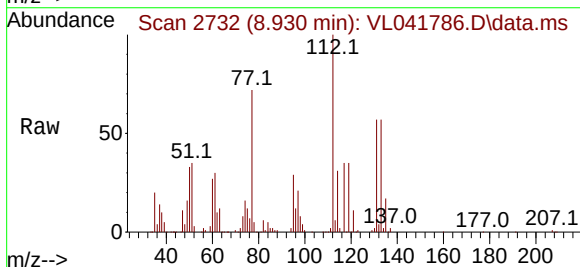
Tgt Ion:131 Resp: 79442

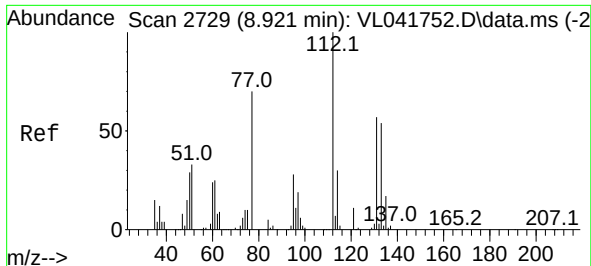
Ion Ratio Lower Upper

131 100

133 97.1 76.8 115.2

119 60.3 49.0 73.6





#57

Chlorobenzene

Concen: 10.734 ppbv

RT: 8.927 min Scan# 21

Delta R.T. 0.006 min

Lab File: VL041786.D

Acq: 17 Dec 2024 18:52

Instrument :

MSVOA_L

ClientSampleId :

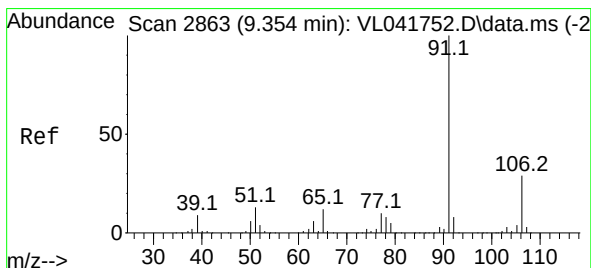
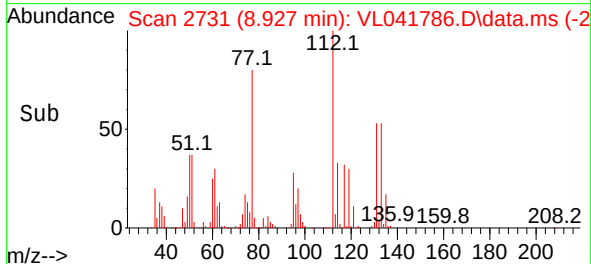
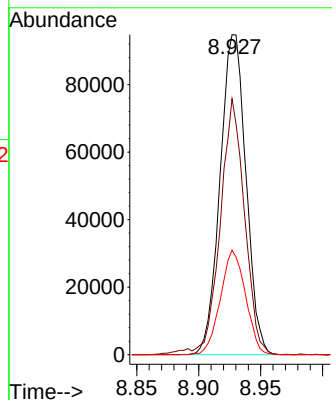
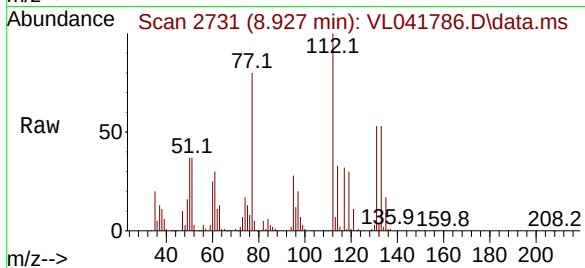
Tgt Ion:112 Resp: 138290

Ion Ratio Lower Upper

112 100

77 79.9 57.4 86.0

114 32.7 27.4 33.4



#58

Ethyl Benzene

Concen: 11.028 ppbv

RT: 9.361 min Scan# 2865

Delta R.T. 0.006 min

Lab File: VL041786.D

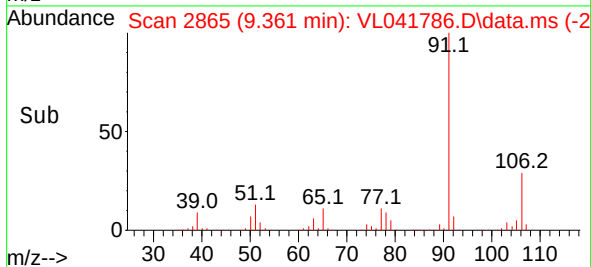
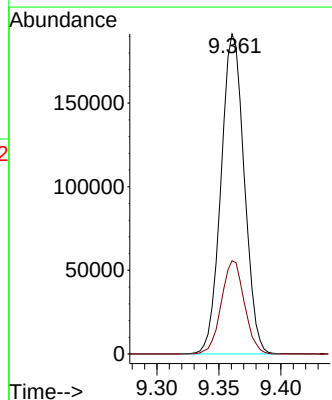
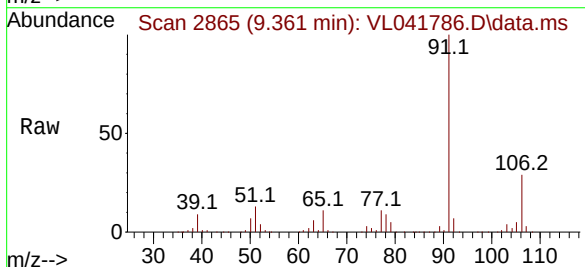
Acq: 17 Dec 2024 18:52

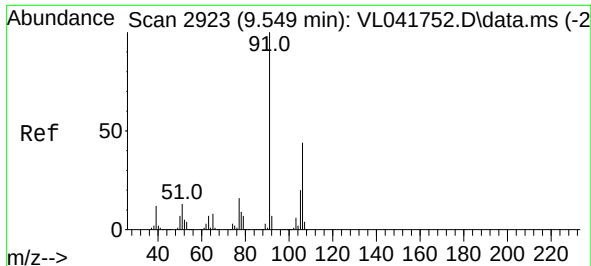
Tgt Ion: 91 Resp: 249961

Ion Ratio Lower Upper

91 100

106 29.2 23.5 35.3





#59

m/p-Xylene

Concen: 10.350 ppbv

RT: 9.558 min Scan# 2923

Delta R.T. 0.009 min

Lab File: VL041786.D

Acq: 17 Dec 2024 18:52

Instrument :

MSVOA_L

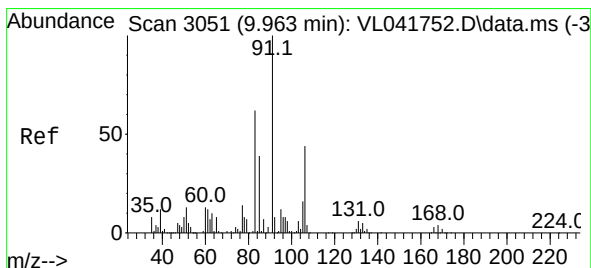
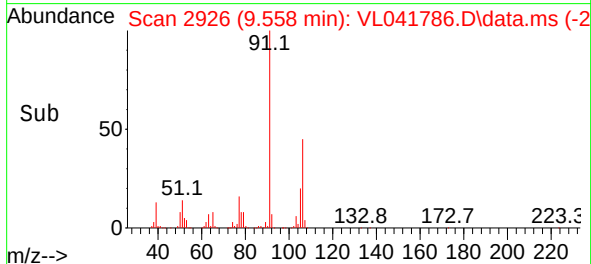
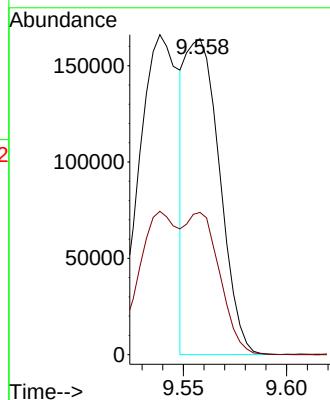
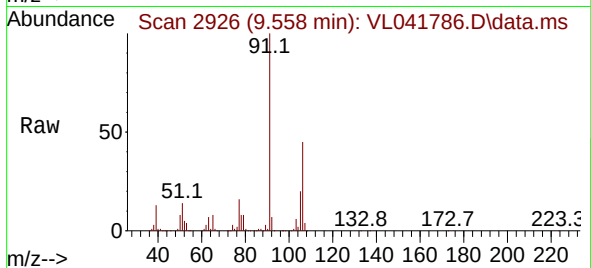
ClientSampleId :

Tgt Ion: 91 Resp: 188619

Ion Ratio Lower Upper

91 100

106 0.0 0.0 0.0



#60

o-Xylene

Concen: 11.474 ppbv

RT: 9.969 min Scan# 3053

Delta R.T. 0.006 min

Lab File: VL041786.D

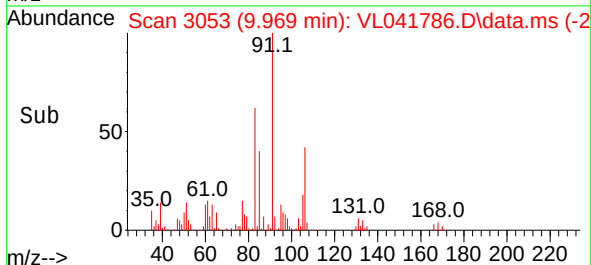
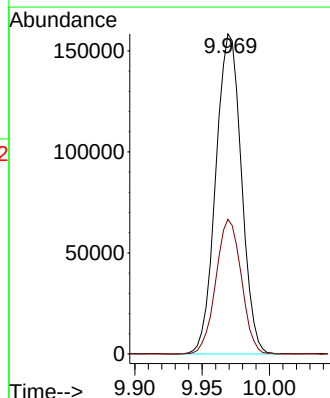
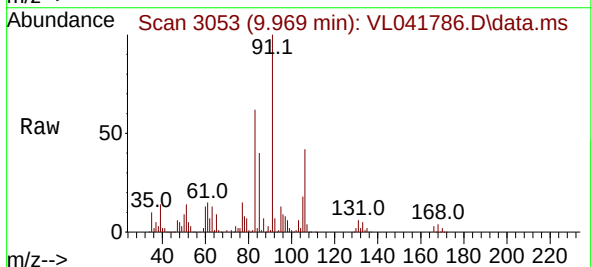
Acq: 17 Dec 2024 18:52

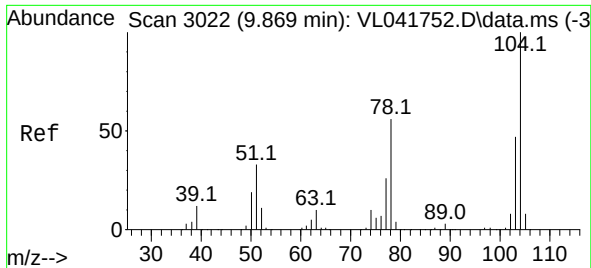
Tgt Ion: 91 Resp: 209686

Ion Ratio Lower Upper

91 100

106 41.7 21.1 63.4

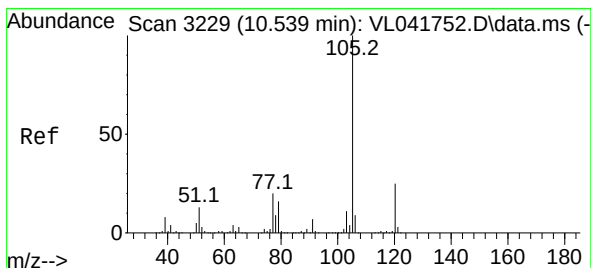
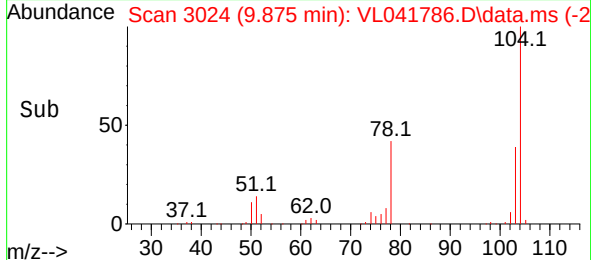
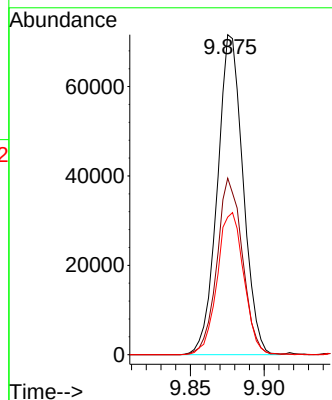
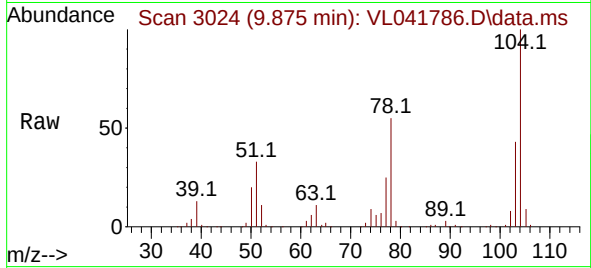




#61
Styrene
Concen: 10.984 ppbv
RT: 9.875 min Scan# 3022
Delta R.T. 0.006 min
Lab File: VL041786.D
Acq: 17 Dec 2024 18:52

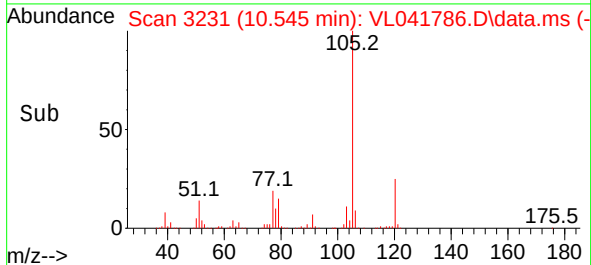
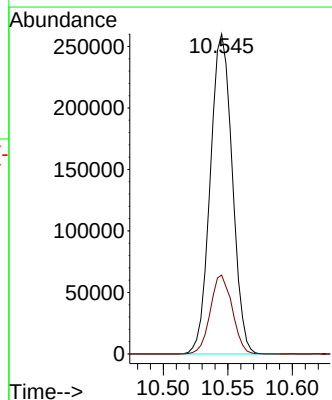
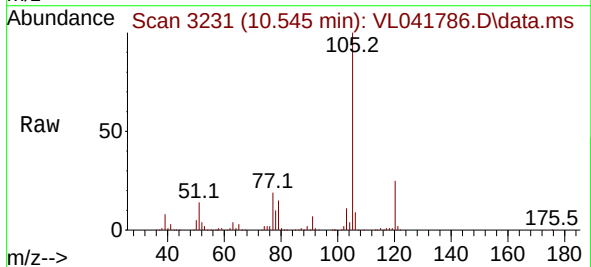
Instrument :
MSVOA_L
ClientSampleId :

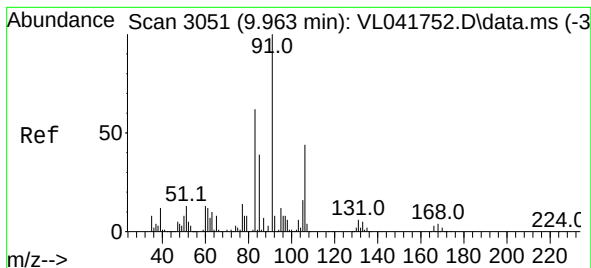
Tgt Ion:104 Resp: 86798
Ion Ratio Lower Upper
104 100
78 54.8 43.8 65.6
103 46.1 37.8 56.6



#62
Isopropylbenzene
Concen: 11.203 ppbv
RT: 10.545 min Scan# 3231
Delta R.T. 0.006 min
Lab File: VL041786.D
Acq: 17 Dec 2024 18:52

Tgt Ion:105 Resp: 307607
Ion Ratio Lower Upper
105 100
120 24.5 19.8 29.8





#63

1,1,2,2-Tetrachloroethane

Concen: 10.825 ppbv

RT: 9.969 min Scan# 3051

Delta R.T. 0.006 min

Lab File: VL041786.D

Acq: 17 Dec 2024 18:52

Instrument :

MSVOA_L

ClientSampleId :

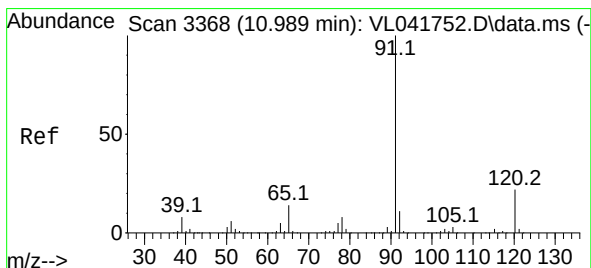
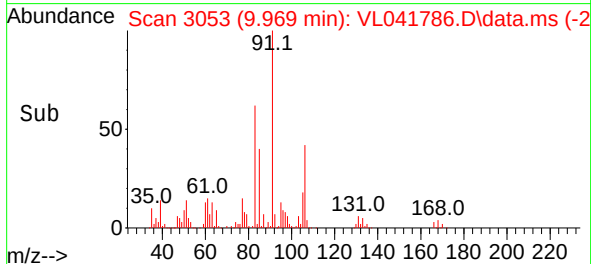
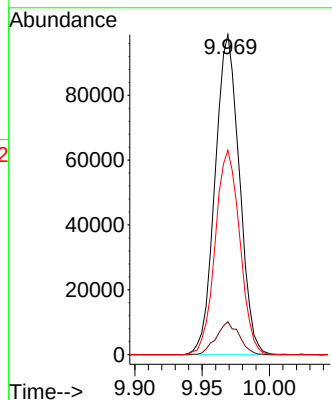
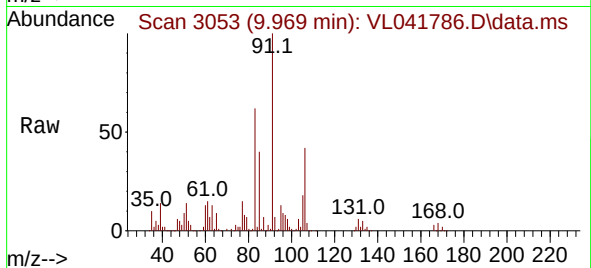
Tgt Ion: 83 Resp: 123835

Ion Ratio Lower Upper

83 100

131 9.8 4.9 14.7

85 64.6 32.0 96.2



#64

n-propylbenzene

Concen: 11.247 ppbv

RT: 10.992 min Scan# 3369

Delta R.T. 0.003 min

Lab File: VL041786.D

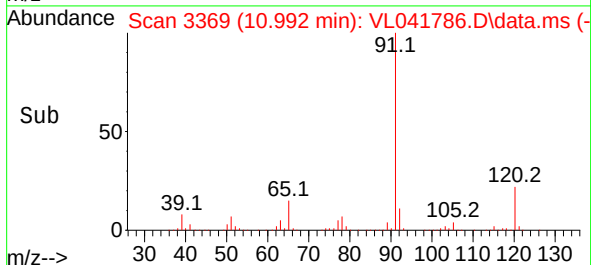
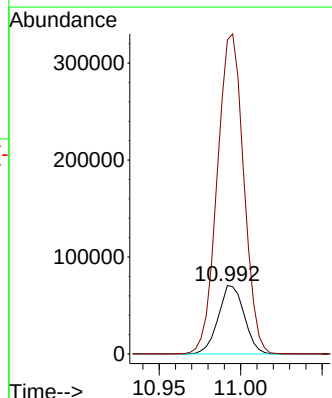
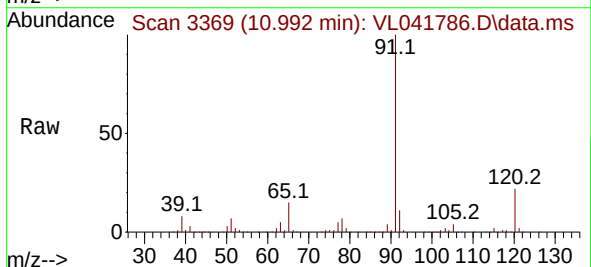
Acq: 17 Dec 2024 18:52

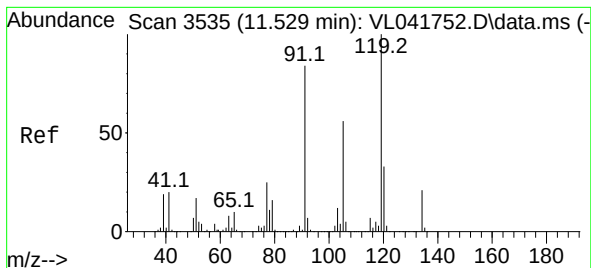
Tgt Ion:120 Resp: 78082

Ion Ratio Lower Upper

120 100

91 478.2 387.3 580.9





#65

tert-Butylbenzene

Concen: 10.966 ppbv

RT: 11.536 min Scan# 3537

Delta R.T. 0.006 min

Lab File: VL041786.D

Acq: 17 Dec 2024 18:52

Instrument :

MSVOA_L

ClientSampleId :

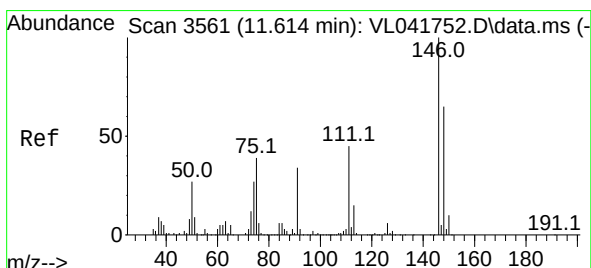
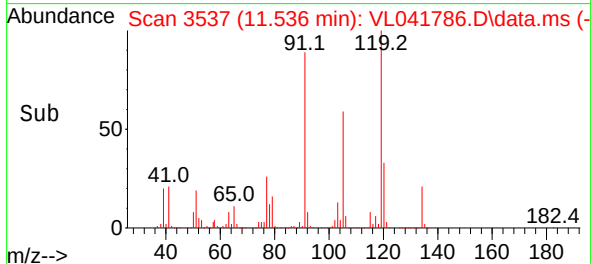
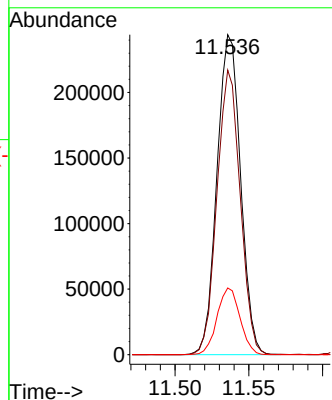
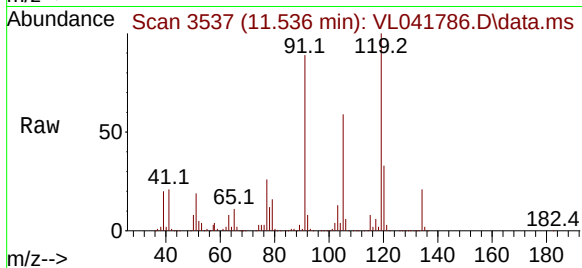
Tgt Ion:119 Resp: 271660

Ion Ratio Lower Upper

119 100

91 87.6 67.0 100.4

134 20.3 16.5 24.7



#66

Benzyl Chloride

Concen: 7.506 ppbv

RT: 11.620 min Scan# 3563

Delta R.T. 0.006 min

Lab File: VL041786.D

Acq: 17 Dec 2024 18:52

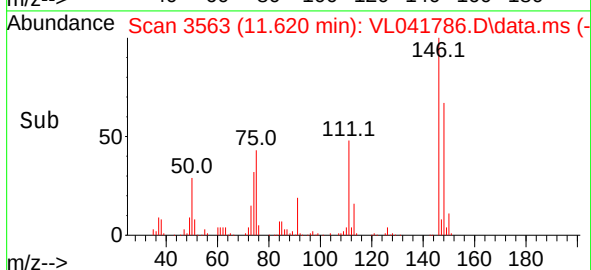
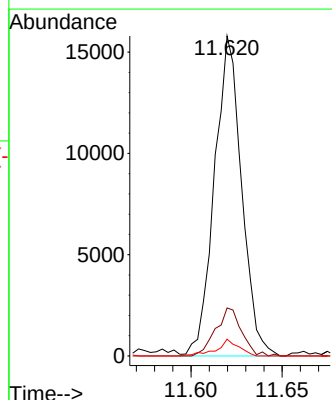
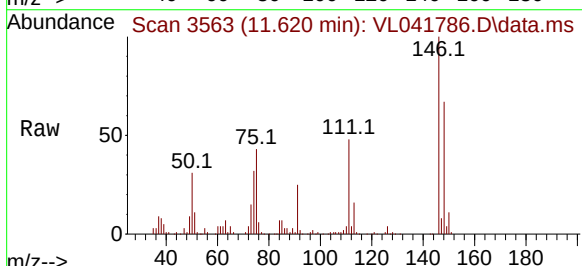
Tgt Ion: 91 Resp: 16378

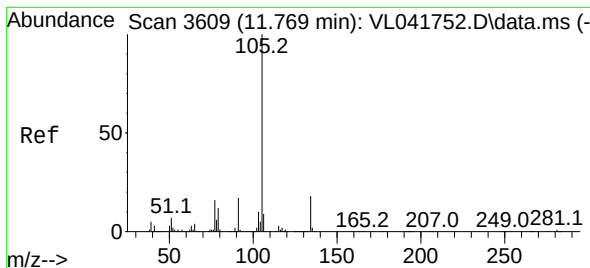
Ion Ratio Lower Upper

91 100

126 14.2 13.9 20.9

128 4.2 4.4 6.6#





#67

sec-Butylbenzene

Concen: 11.004 ppbv

RT: 11.772 min Scan# 3

Delta R.T. 0.003 min

Lab File: VL041786.D

Acq: 17 Dec 2024 18:52

Instrument :

MSVOA_L

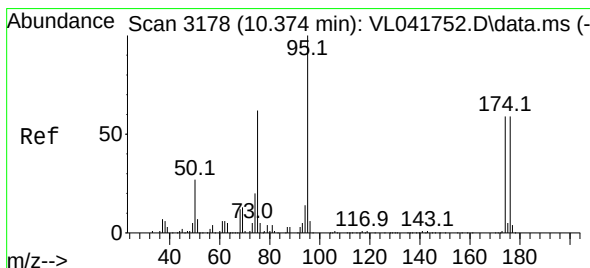
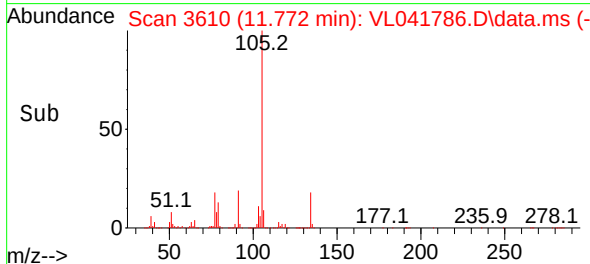
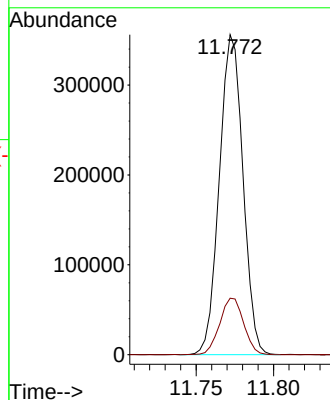
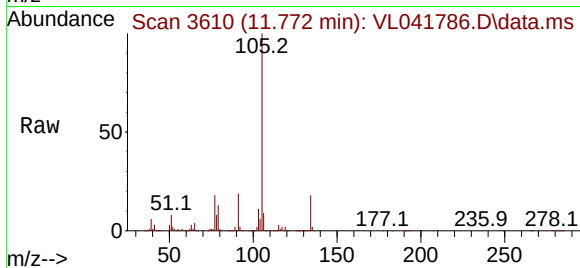
ClientSampleId :

Tgt Ion:105 Resp: 377240

Ion Ratio Lower Upper

105 100

134 18.0 14.5 21.7



#68

1-Bromo-4-Fluorobenzene

Concen: 10.481 ppbv

RT: 10.380 min Scan# 3180

Delta R.T. 0.006 min

Lab File: VL041786.D

Acq: 17 Dec 2024 18:52

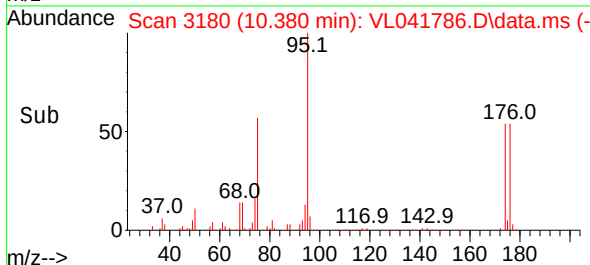
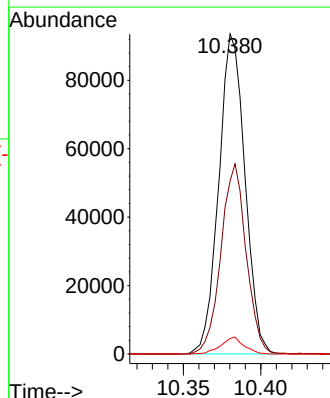
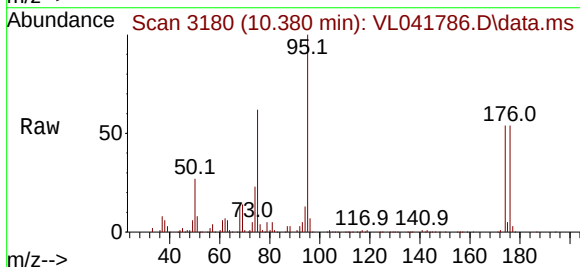
Tgt Ion: 95 Resp: 109957

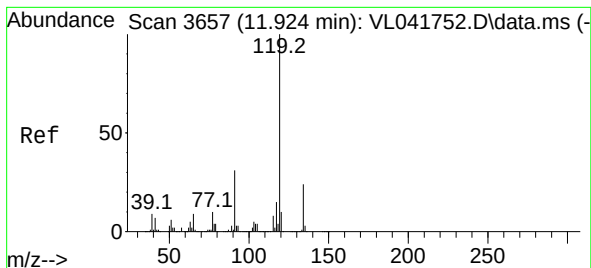
Ion Ratio Lower Upper

95 100

174 57.2 47.6 71.4

175 4.6 3.7 5.5





#69

p-Isopropyltoluene

Concen: 10.554 ppbv

RT: 11.930 min Scan# 3659

Delta R.T. 0.006 min

Lab File: VL041786.D

Acq: 17 Dec 2024 18:52

Instrument :

MSVOA_L

ClientSampleId :

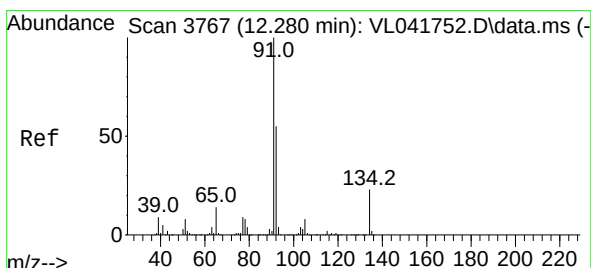
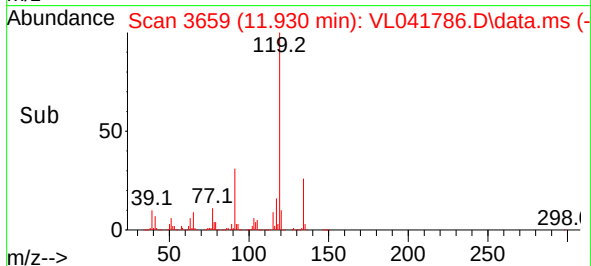
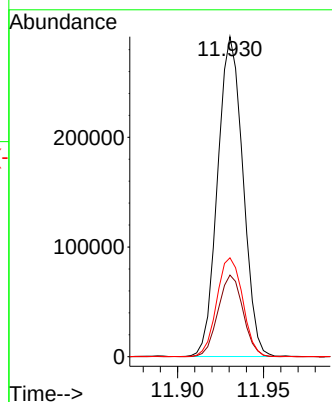
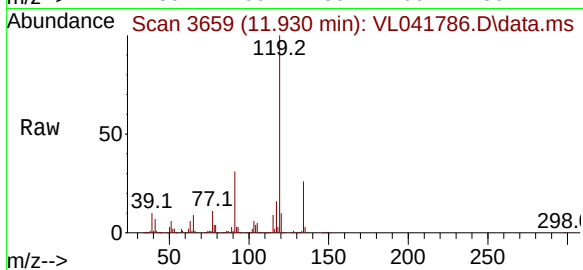
Tgt Ion:119 Resp: 298176

Ion Ratio Lower Upper

119 100

134 25.3 19.6 29.4

91 31.9 24.4 36.6



#70

n-Butylbenzene

Concen: 10.688 ppbv

RT: 12.287 min Scan# 3769

Delta R.T. 0.006 min

Lab File: VL041786.D

Acq: 17 Dec 2024 18:52

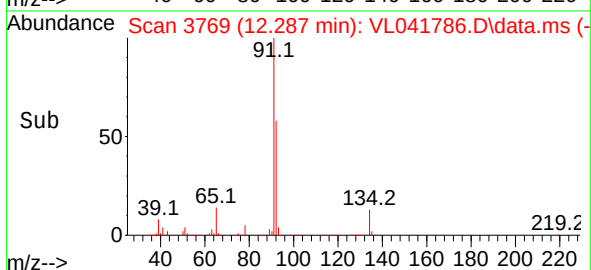
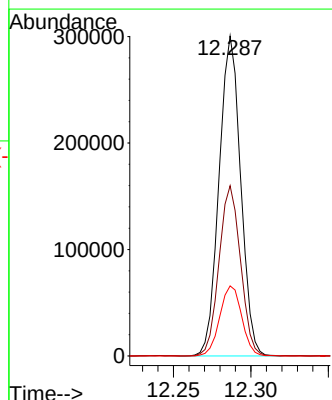
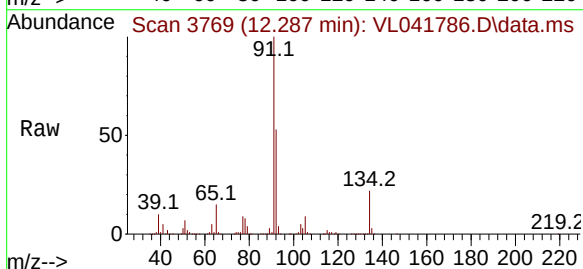
Tgt Ion: 91 Resp: 291742

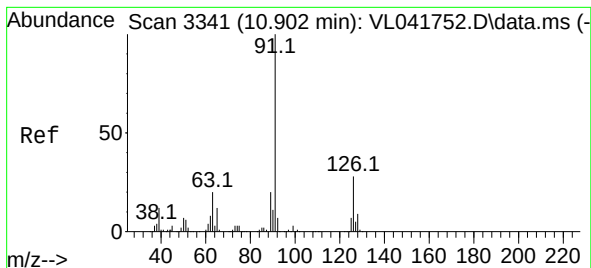
Ion Ratio Lower Upper

91 100

92 53.0 43.2 64.8

134 22.3 18.2 27.4





#71

2-Chlorotoluene

Concen: 10.636 ppbv

RT: 10.908 min Scan# 3412

Delta R.T. 0.006 min

Lab File: VL041786.D

Acq: 17 Dec 2024 18:52

Instrument :

MSVOA_L

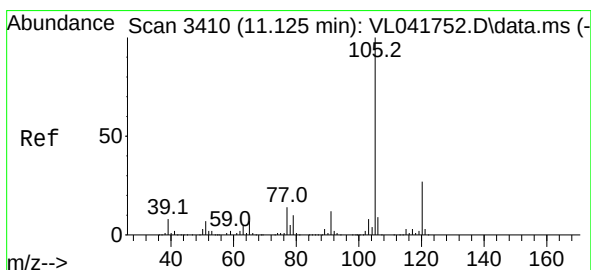
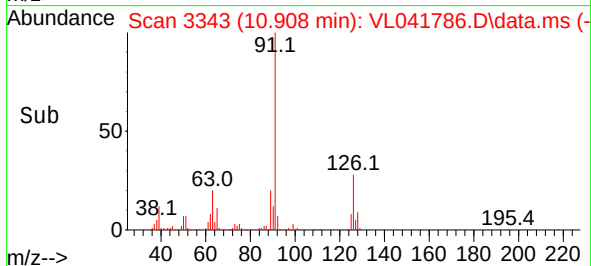
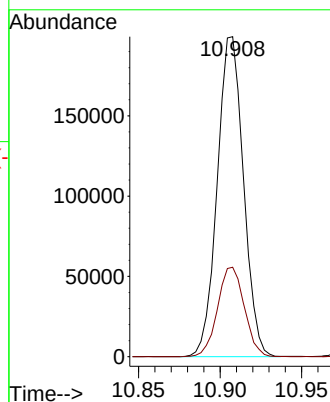
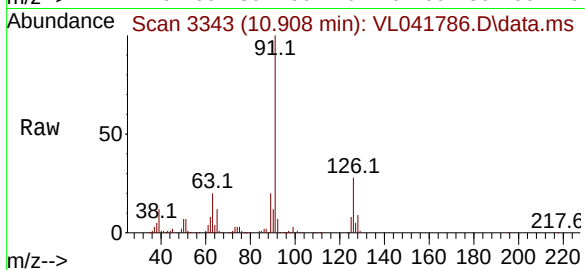
ClientSampleId :

Tgt Ion: 91 Resp: 222910

Ion Ratio Lower Upper

91 100

126 28.4 11.6 46.4



#72

4-Ethyltoluene

Concen: 11.445 ppbv

RT: 11.131 min Scan# 3412

Delta R.T. 0.006 min

Lab File: VL041786.D

Acq: 17 Dec 2024 18:52

Tgt Ion:105 Resp: 246896

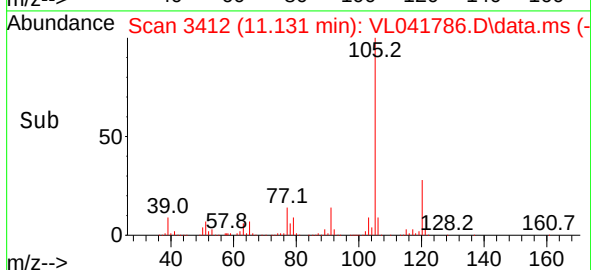
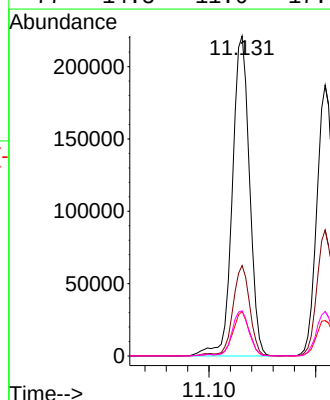
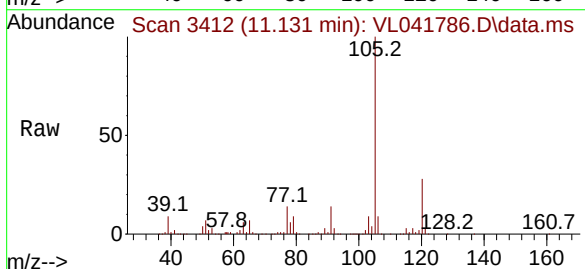
Ion Ratio Lower Upper

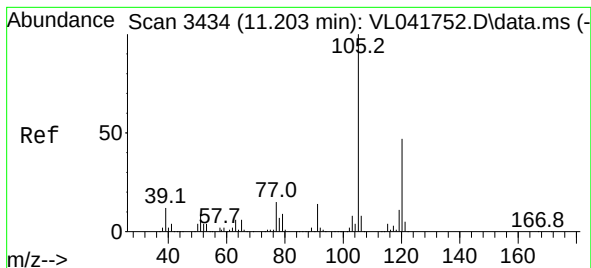
105 100

120 27.9 23.3 34.9

91 13.8 10.9 16.3

77 14.3 11.6 17.4





#73

1,3,5-Trimethylbenzene

Concen: 11.295 ppbv

RT: 11.209 min Scan# 3434

Delta R.T. 0.006 min

Lab File: VL041786.D

Acq: 17 Dec 2024 18:52

Instrument :

MSVOA_L

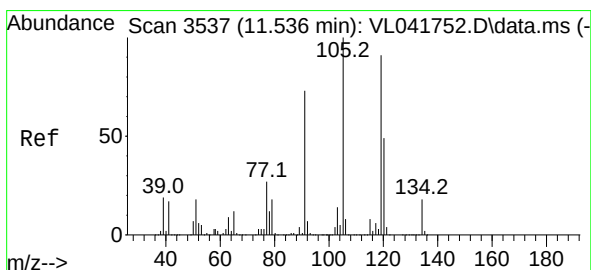
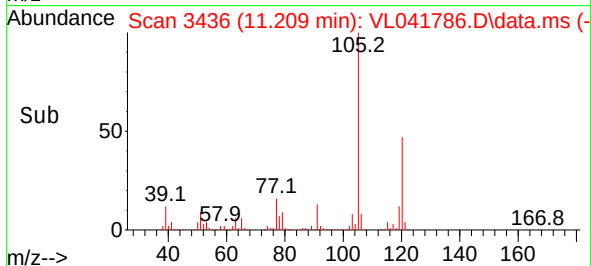
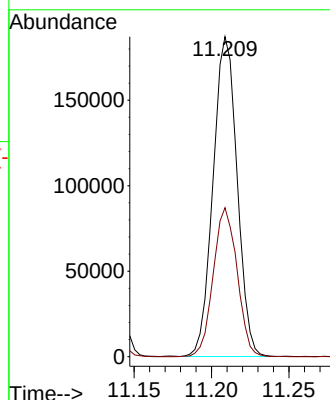
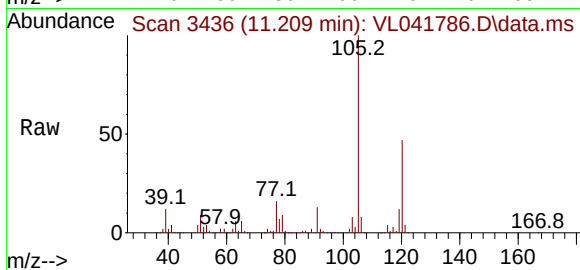
ClientSampleId :

Tgt Ion:105 Resp: 202154

Ion Ratio Lower Upper

105 100

120 46.5 37.4 56.2



#74

1,2,4-Trimethylbenzene

Concen: 11.376 ppbv

RT: 11.542 min Scan# 3539

Delta R.T. 0.006 min

Lab File: VL041786.D

Acq: 17 Dec 2024 18:52

Tgt Ion:105 Resp: 218951

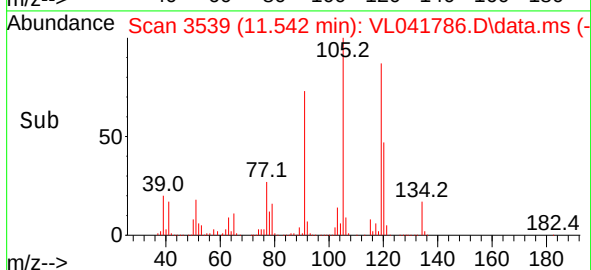
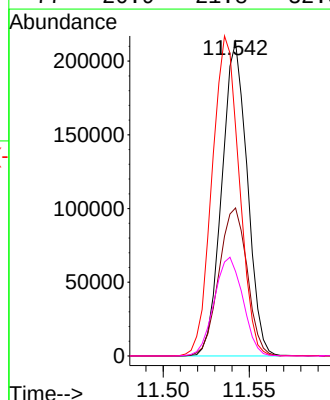
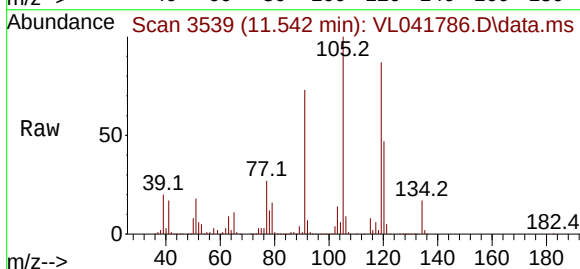
Ion Ratio Lower Upper

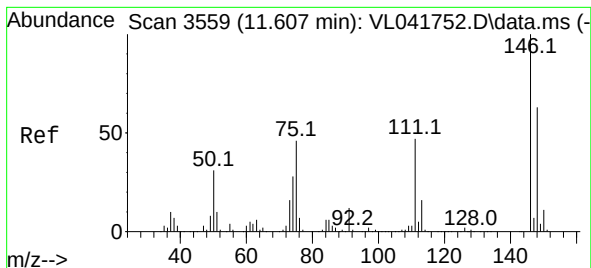
105 100

120 47.2 39.0 58.4

91 72.9 58.1 87.1

77 26.9 21.8 32.8





#75

1,3-Dichlorobenzene

Concen: 9.917 ppbv

RT: 11.613 min Scan# 3561

Delta R.T. 0.006 min

Lab File: VL041786.D

Acq: 17 Dec 2024 18:52

Instrument :

MSVOA_L

ClientSampleId :

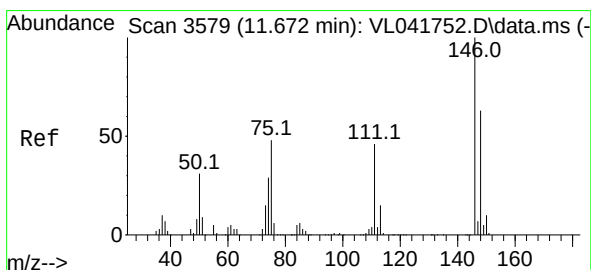
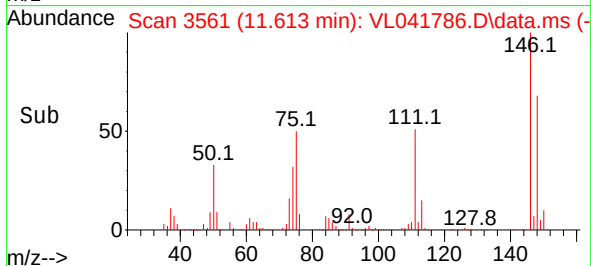
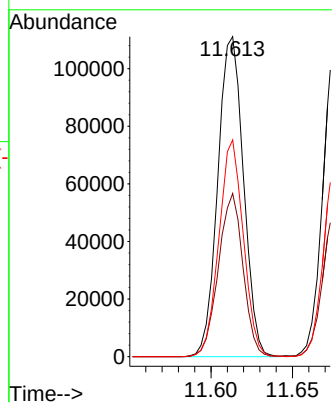
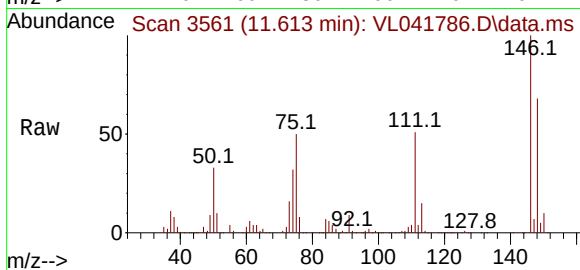
Tgt Ion:146 Resp: 121687

Ion Ratio Lower Upper

146 100

111 48.9 23.4 70.3

148 64.4 31.6 95.0



#76

1,4-Dichlorobenzene

Concen: 9.980 ppbv

RT: 11.678 min Scan# 3581

Delta R.T. 0.006 min

Lab File: VL041786.D

Acq: 17 Dec 2024 18:52

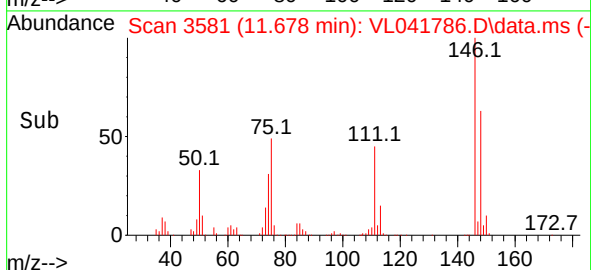
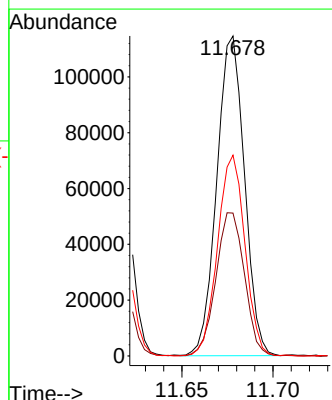
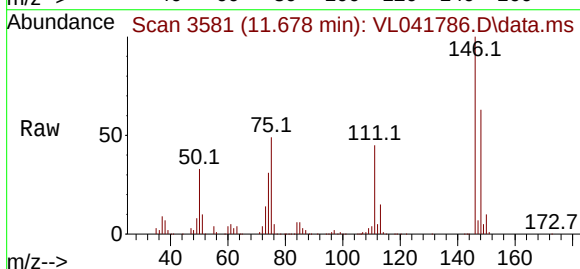
Tgt Ion:146 Resp: 120970

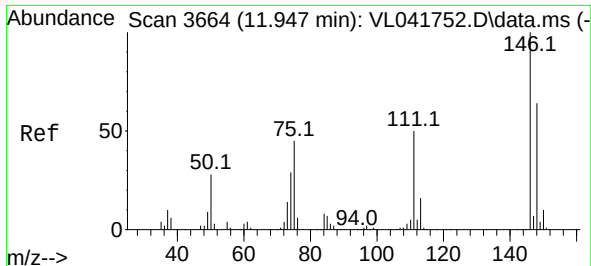
Ion Ratio Lower Upper

146 100

111 46.3 22.7 68.1

148 62.3 31.4 94.0





#77

1,2-Dichlorobenzene

Concen: 9.864 ppbv

RT: 11.950 min Scan# 3

Delta R.T. 0.003 min

Lab File: VL041786.D

Acq: 17 Dec 2024 18:52

Instrument :

MSVOA_L

ClientSampleId :

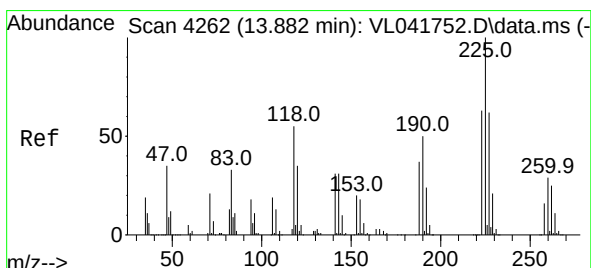
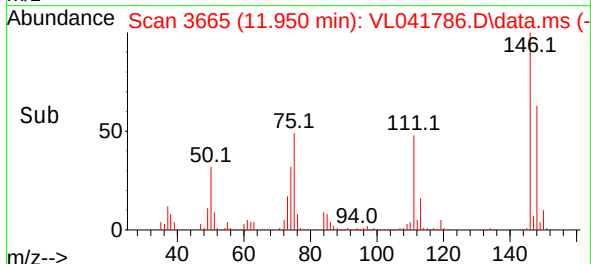
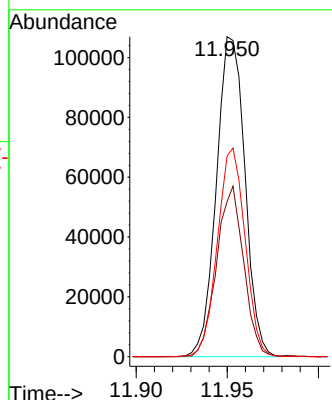
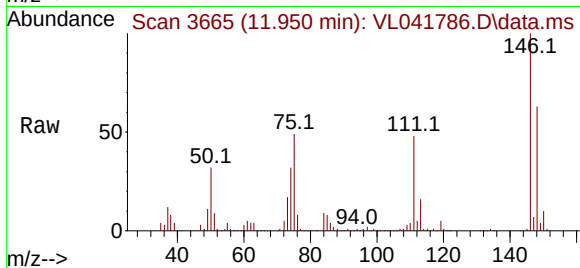
Tgt Ion:146 Resp: 116456

Ion Ratio Lower Upper

146 100

111 50.6 24.8 74.3

148 63.4 31.8 95.4



#78

Hexachloro-1,3-Butadiene

Concen: 8.437 ppbv

RT: 13.885 min Scan# 4263

Delta R.T. 0.003 min

Lab File: VL041786.D

Acq: 17 Dec 2024 18:52

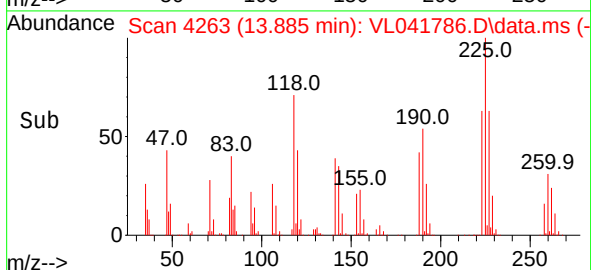
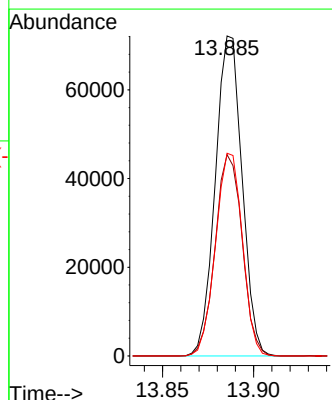
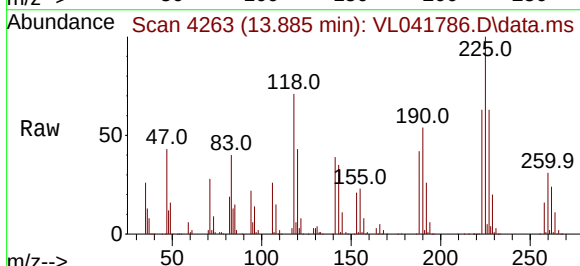
Tgt Ion:225 Resp: 73856

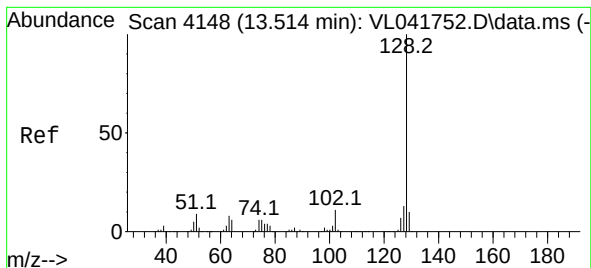
Ion Ratio Lower Upper

225 100

223 63.4 50.5 75.7

227 63.4 50.3 75.5





#79

Naphthalene

Concen: 11.295 ppbv

RT: 13.516 min Scan# 4149

Delta R.T. 0.003 min

Lab File: VL041786.D

Acq: 17 Dec 2024 18:52

Instrument :

MSVOA_L

ClientSampleId :

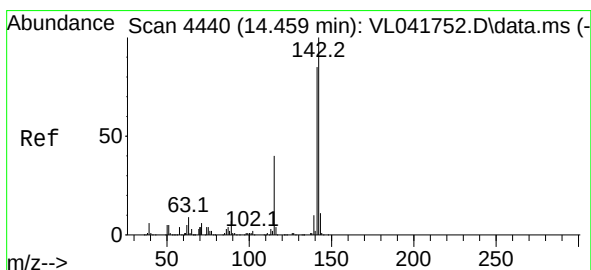
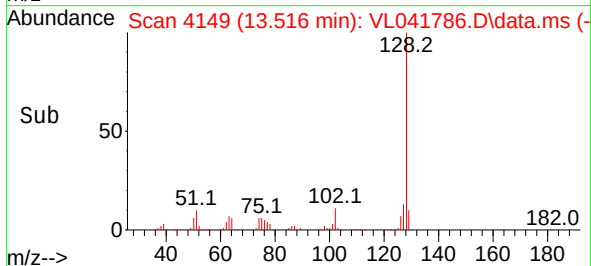
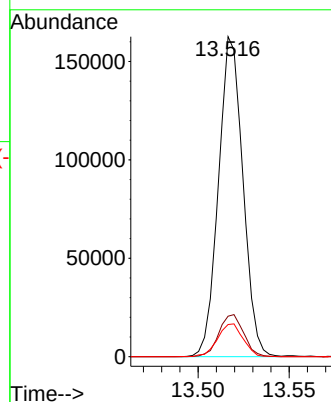
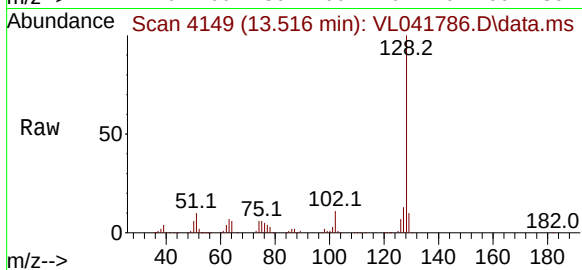
Tgt Ion:128 Resp: 151466

Ion Ratio Lower Upper

128 100

127 12.7 10.7 16.1

129 10.0 8.2 12.4



#80

Naphthalene,2-methyl-

Concen: 13.801 ppbv

RT: 14.462 min Scan# 4441

Delta R.T. 0.003 min

Lab File: VL041786.D

Acq: 17 Dec 2024 18:52

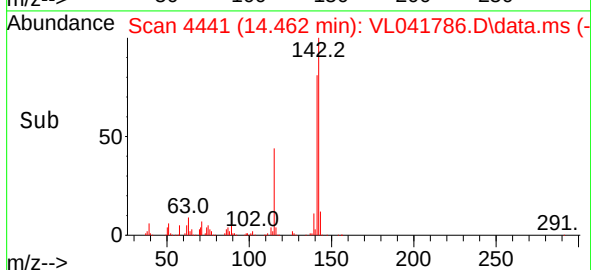
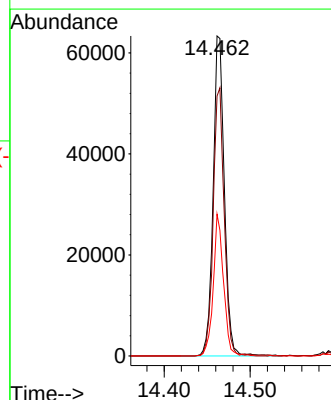
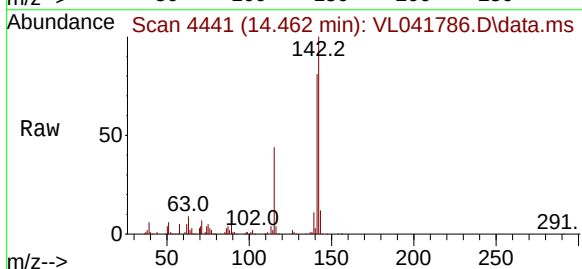
Tgt Ion:142 Resp: 57244

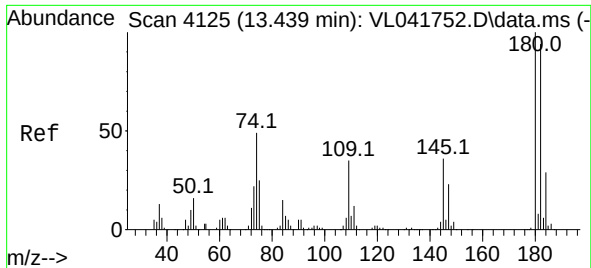
Ion Ratio Lower Upper

142 100

141 83.2 68.4 102.6

115 40.7 32.5 48.7





#81

1,2,4-Trichlorobenzene

Concen: 9.790 ppbv

RT: 13.445 min Scan# 41

Delta R.T. 0.006 min

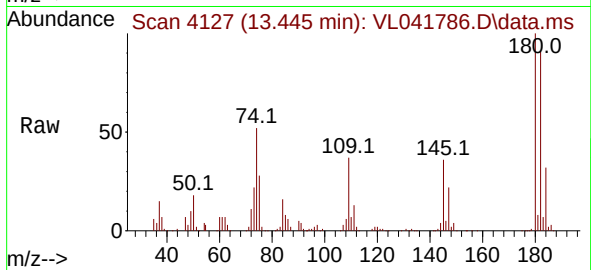
Lab File: VL041786.D

Acq: 17 Dec 2024 18:52

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion:180 Resp: 71736

Ion Ratio Lower Upper

180 100

182 96.7 77.0 115.6

184 31.2 23.8 35.8

