

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121624\
 Data File : VL041765.D
 Acq On : 16 Dec 2024 22:54
 Operator : SY/MD
 Sample : MDL 0.4
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Dec 20 03:33:02 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121624AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-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	2.793	49	59497	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	157774	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.891	117	137361	10.000	ppbv	0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.383	95	115468	10.088	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.900%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	5472	0.517	ppbv	99
3) Chlorodifluoromethane	1.476	51	4373	0.451	ppbv	92
4) Chloromethane	1.534	50	1970	0.476	ppbv	90
5) Vinyl Chloride	1.583	62	1679	0.402	ppbv	96
6) Bromomethane	1.670	94	858	0.436	ppbv	93
7) Chloroethane	1.709	64	830	0.512	ppbv	100
8) Dichlorotetrafluoroethane	1.557	85	4161	0.439	ppbv	97
9) Propene	1.486	41	1942	0.462	ppbv	96
10) Heptane	4.988	43	2729	0.253	ppbv #	74
11) Trichlorofluoromethane	1.881	101	5294	0.471	ppbv	92
12) 1,1,2-Trichlorotrifluo...	2.143	101	3784	0.442	ppbv	100
13) Ethanol	1.725	45	356	1.022	ppbv	89
14) Bromoethene	1.784	108	1254	0.434	ppbv #	90
15) Acetone	1.839	43	6432	0.556	ppbv	95
16) 1,3-Butadiene	1.612	39	2222	0.487	ppbv	91
17) tert-Butyl alcohol	2.046	59	4994	0.435	ppbv	98
18) 1,1-Dichloroethene	2.039	96	1744	0.486	ppbv	91
19) Isopropyl Alcohol	1.890	45	4291	0.618	ppbv #	36
20) Methylene Chloride	2.068	84	1753	0.531	ppbv #	81
21) Allyl Chloride	2.098	41	2805	0.447	ppbv	91
22) trans-1,2-Dichloroethene	2.347	96	1581	0.385	ppbv	95
23) Vinyl Acetate	2.467	43	2040	0.380	ppbv #	52
24) 1,1-Dichloroethane	2.415	63	3749	0.451	ppbv #	96
25) Ethyl Acetate	2.845	43	8231	0.382	ppbv	98
26) Hexane	2.829	57	3283	0.402	ppbv	97
27) Carbon Disulfide	2.153	76	2378	0.323	ppbv #	1
28) Methyl tert-Butyl Ether	2.444	73	2717	0.410	ppbv #	88
29) Chloroform	2.855	83	5860	0.471	ppbv #	82
30) Cyclohexane	3.868	84	1722	0.248	ppbv #	51
31) cis-1,2-Dichloroethene	2.729	61	3657	0.433	ppbv	88
32) 1,1,1-Trichloroethane	3.376	97	4715	0.372	ppbv	90
34) 2-Butanone	2.567	43	5414	0.427	ppbv	94
35) Carbon Tetrachloride	3.771	117	4408	0.394	ppbv #	90
36) Benzene	3.664	78	7333	0.449	ppbv #	94
37) 1,2-Dichloroethane	3.224	62	4697	0.463	ppbv	100
38) Trichloroethene	4.557	130	1715	0.248	ppbv #	87
39) 1,2-Dichloropropane	4.311	63	686	0.116	ppbv #	60
40) 1,4-Dioxane	4.606	88	105	0.036	ppbv #	20
41) Tetrahydrofuran	3.072	42	2894	0.407	ppbv	99
42) Bromodichloromethane	4.499	83	2614	0.224	ppbv	95
43) Methyl Methacrylate	4.894	69	1414	0.227	ppbv #	49
44) 2,2,4-Trimethylpentane	4.645	57	4489	0.161	ppbv #	4
45) t-1,3-Dichloropropene	6.406	75	195	0.030	ppbv	97

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Quant Time: Dec 20 03:33:02 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

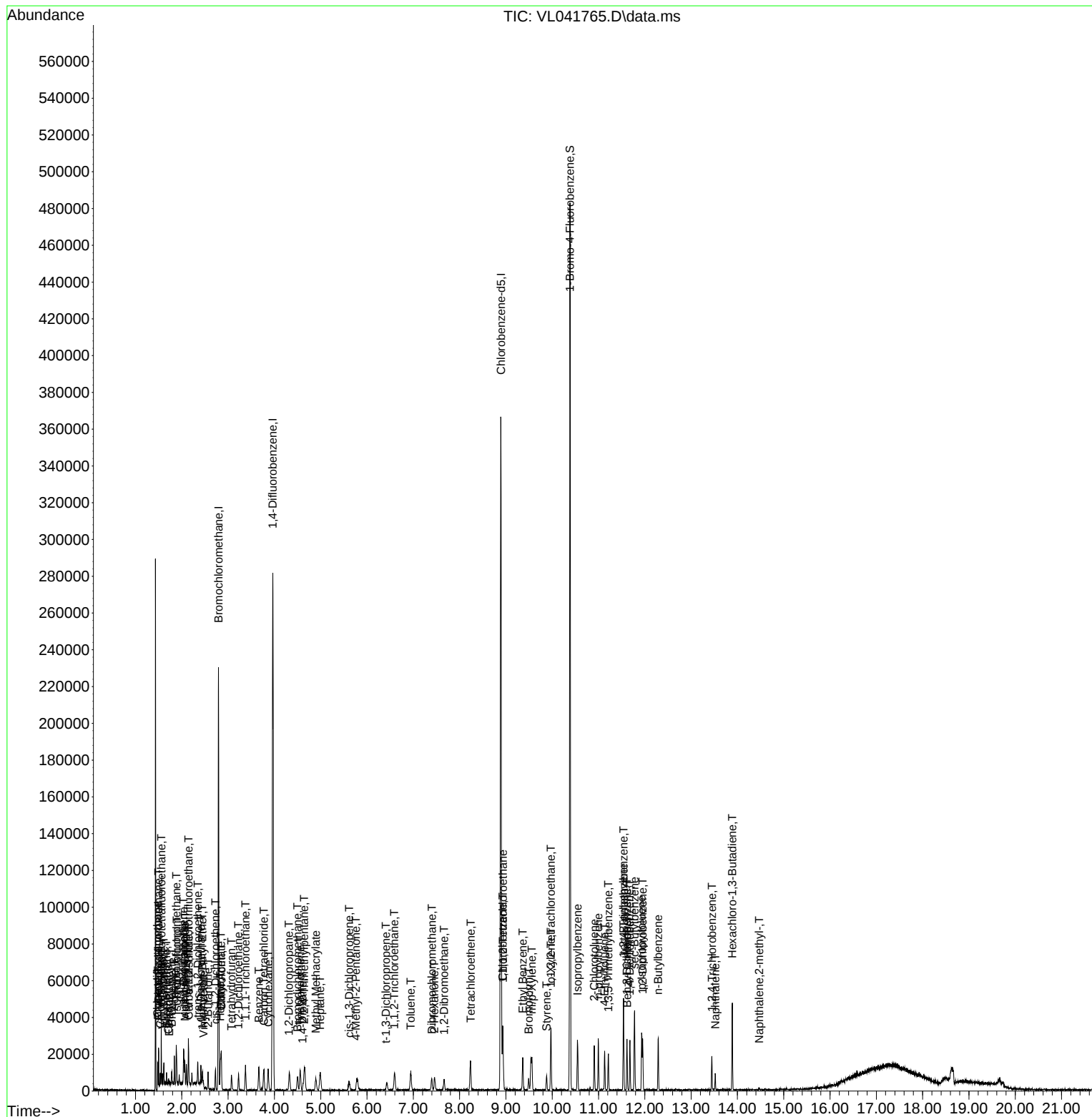
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.616	75	1324	0.162	ppbv	93
47) 1,1,2-Trichloroethane	6.590	97	1264	0.205	ppbv #	78
48) Dibromochloromethane	7.399	129	1223	0.145	ppbv #	1
49) Bromoform	9.490	173	1795	0.260	ppbv	94
50) 4-Methyl-2-Pentanone	5.761	43	602	0.035	ppbv #	41
51) 2-Hexanone	7.454	43	1969	0.141	ppbv #	17
52) Tetrachloroethene	8.241	164	760	0.125	ppbv	87
53) Toluene	6.943	91	4319	0.233	ppbv #	51
54) 1,2-Dibromoethane	7.665	107	2577	0.303	ppbv #	73
56) 1,1,1,2-Tetrachloroethane	8.933	131	3229	0.443	ppbv #	1
57) Chlorobenzene	8.930	112	6413	0.456	ppbv	93
58) Ethyl Benzene	9.364	91	9087	0.367	ppbv	98
59) m/p-Xylene	9.558	91	8608	0.433	ppbv #	100
60) o-Xylene	9.972	91	7155	0.359	ppbv	96
61) Styrene	9.878	104	1561	0.181	ppbv #	54
62) Isopropylbenzene	10.545	105	11554	0.386	ppbv	98
63) 1,1,2,2-Tetrachloroethane	9.969	83	4963	0.398	ppbv	95
64) n-propylbenzene	10.998	120	2627	0.347	ppbv	99
65) tert-Butylbenzene	11.539	119	9709	0.359	ppbv	97
66) Benzyl Chloride	11.620	91	778	0.327	ppbv #	77
67) sec-Butylbenzene	11.775	105	13267	0.355	ppbv	96
69) p-Isopropyltoluene	11.934	119	10249	0.332	ppbv	97
70) n-Butylbenzene	12.287	91	9580	0.322	ppbv	100
71) 2-Chlorotoluene	10.908	91	8553	0.374	ppbv	98
72) 4-Ethyltoluene	11.131	105	8290	0.352	ppbv	97
73) 1,3,5-Trimethylbenzene	11.209	105	6923	0.355	ppbv	88
74) 1,2,4-Trimethylbenzene	11.542	105	6854	0.326	ppbv #	85
75) 1,3-Dichlorobenzene	11.613	146	5957	0.445	ppbv	97
76) 1,4-Dichlorobenzene	11.678	146	5484	0.415	ppbv	95
77) 1,2-Dichlorobenzene	11.953	146	5172	0.401	ppbv	91
78) Hexachloro-1,3-Butadiene	13.889	225	4188	0.438	ppbv	95
79) Naphthalene	13.520	128	3451	0.236	ppbv #	91
80) Naphthalene,2-methyl-	14.471	142	346	0.076	ppbv #	83
81) 1,2,4-Trichlorobenzene	13.448	180	2417	0.302	ppbv	92

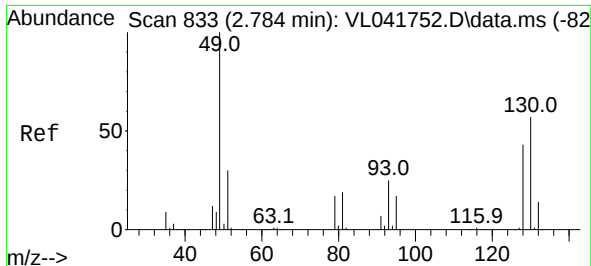
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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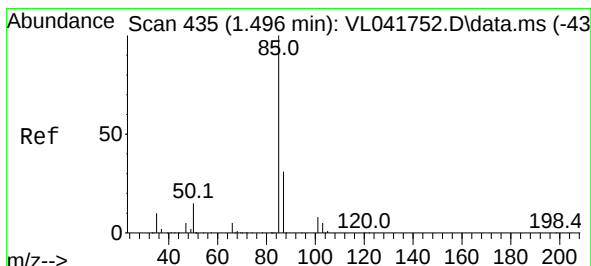
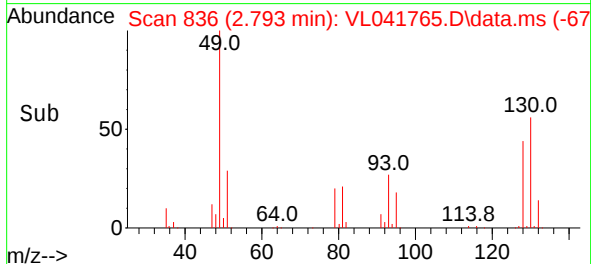
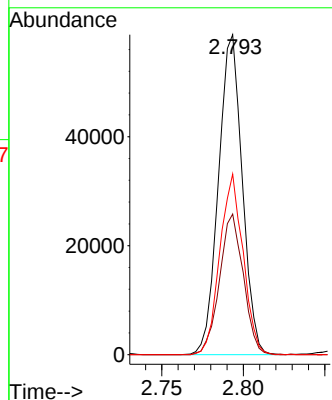
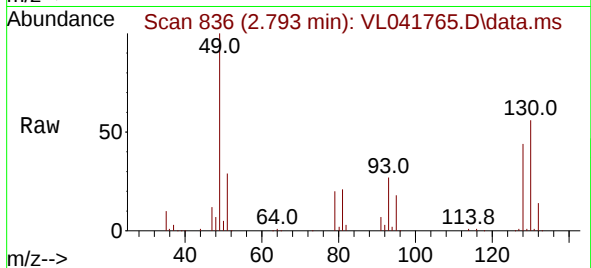




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.793 min Scan# 833
Delta R.T. 0.009 min
Lab File: VL041765.D
Acq: 16 Dec 2024 22:54

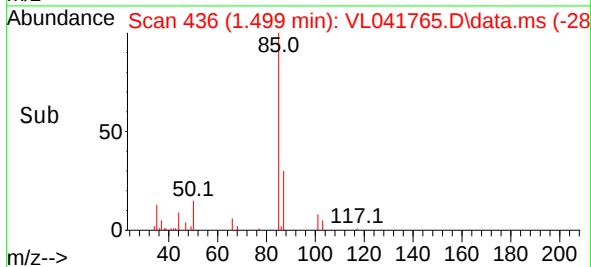
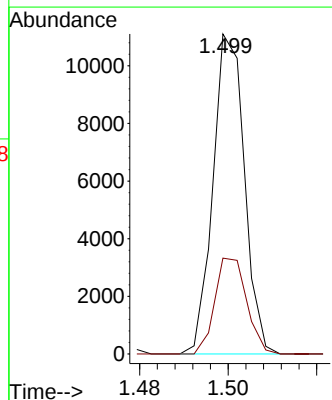
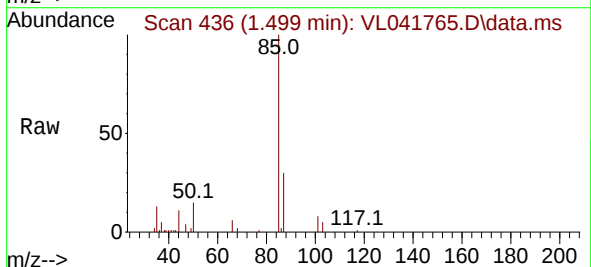
Instrument :
MSVOA_L
ClientSampleId :

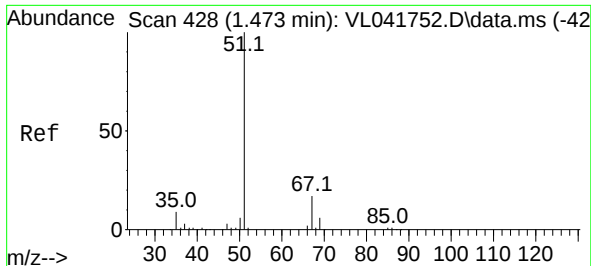
Tgt Ion: 49 Resp: 59497
Ion Ratio Lower Upper
49 100
128 44.0 21.6 64.6
130 55.2 28.3 85.0



#2
Dichlorodifluoromethane
Concen: 0.517 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.003 min
Lab File: VL041765.D
Acq: 16 Dec 2024 22:54

Tgt Ion: 85 Resp: 5472
Ion Ratio Lower Upper
85 100
87 30.0 24.5 36.7

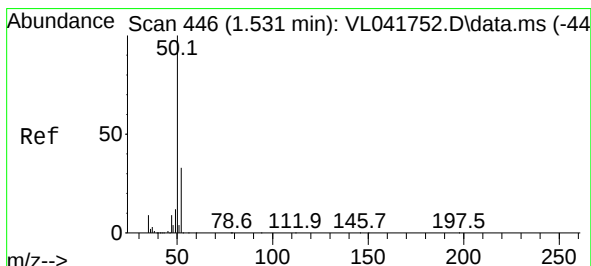
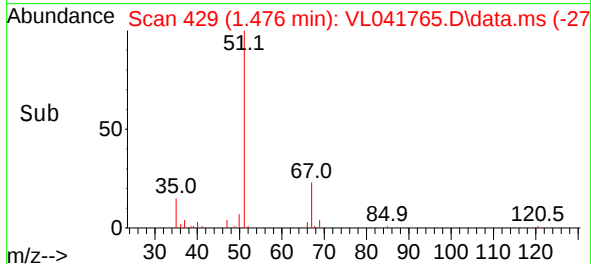
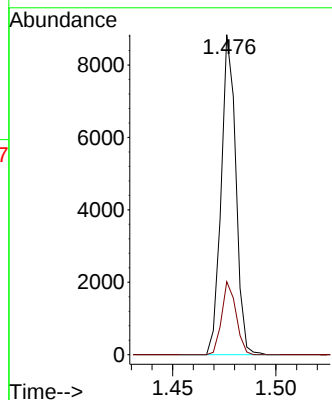
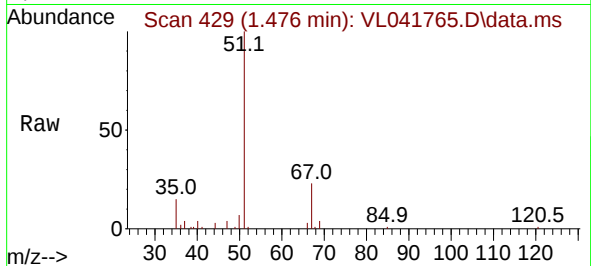




#3
Chlorodifluoromethane
Concen: 0.451 ppbv
RT: 1.476 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL041765.D
Acq: 16 Dec 2024 22:54

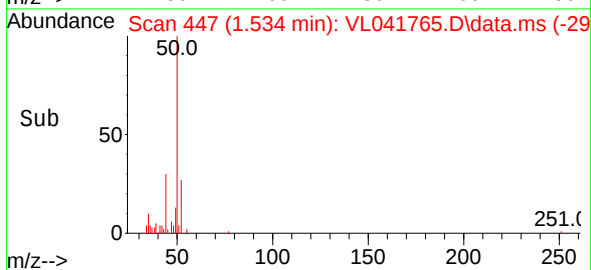
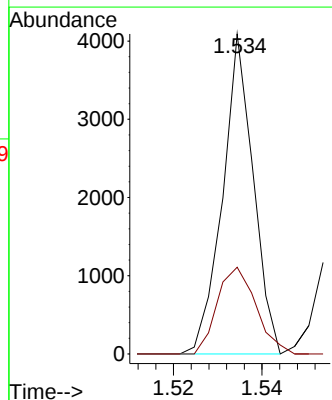
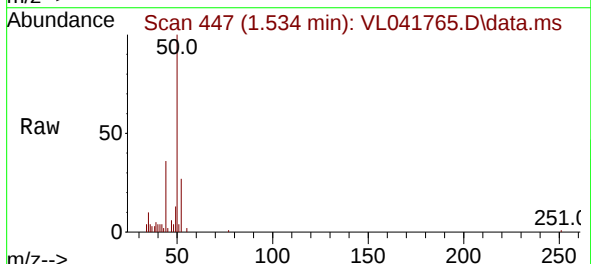
Instrument :
MSVOA_L
ClientSampleId :

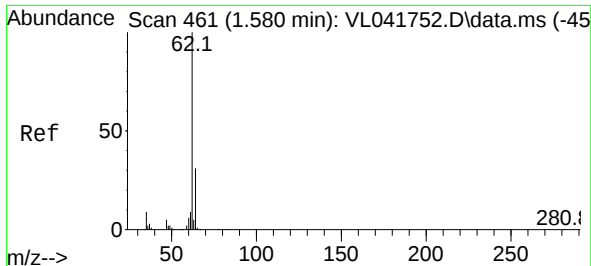
Tgt Ion: 51 Resp: 4373
Ion Ratio Lower Upper
51 100
67 22.3 15.0 22.4



#4
Chloromethane
Concen: 0.476 ppbv
RT: 1.534 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL041765.D
Acq: 16 Dec 2024 22:54

Tgt Ion: 50 Resp: 1970
Ion Ratio Lower Upper
50 100
52 27.1 26.2 39.2

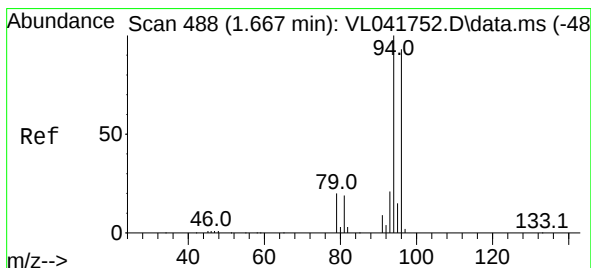
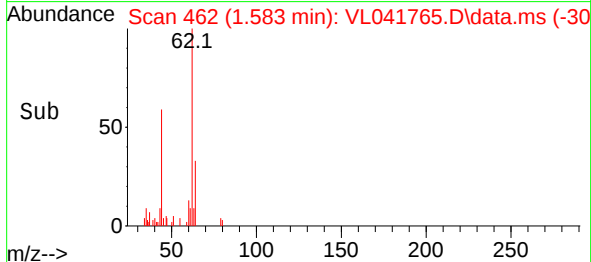
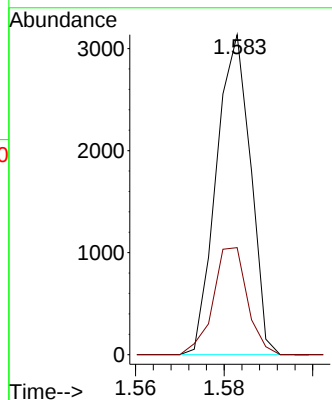
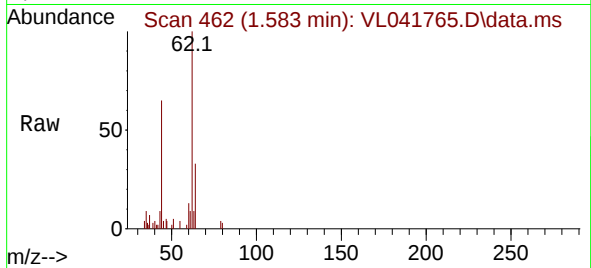




#5
 Vinyl Chloride
 Concen: 0.402 ppbv
 RT: 1.583 min Scan# 462
 Delta R.T. 0.003 min
 Lab File: VL041765.D
 Acq: 16 Dec 2024 22:54

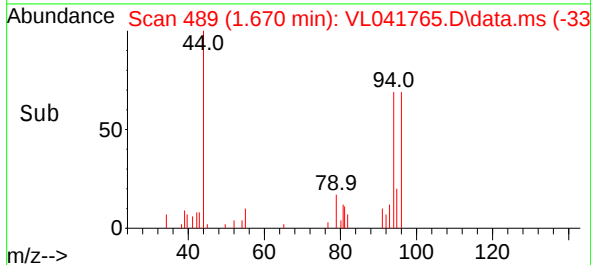
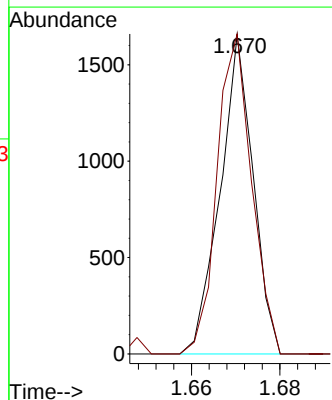
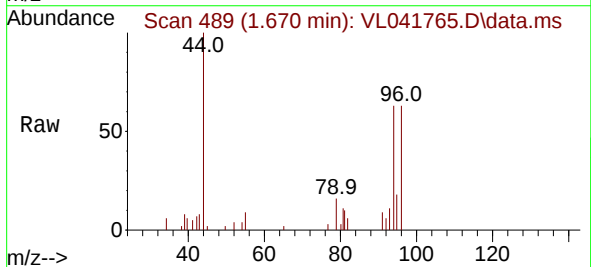
Instrument :
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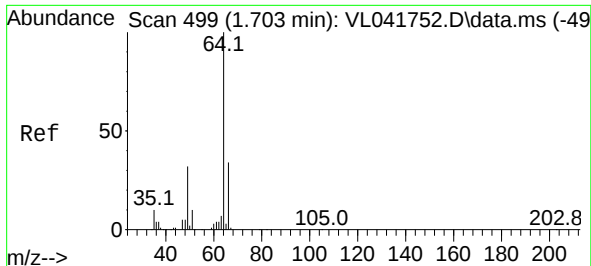
Tgt Ion: 62 Resp: 1679
 Ion Ratio Lower Upper
 62 100
 64 33.5 25.1 37.7



#6
 Bromomethane
 Concen: 0.436 ppbv
 RT: 1.670 min Scan# 489
 Delta R.T. 0.003 min
 Lab File: VL041765.D
 Acq: 16 Dec 2024 22:54

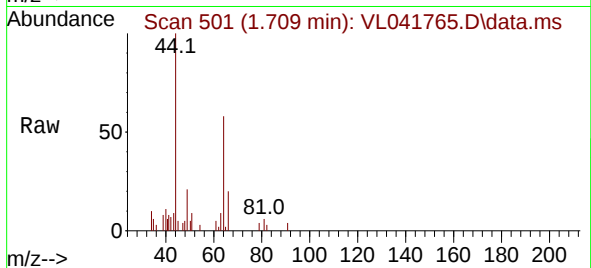
Tgt Ion: 94 Resp: 858
 Ion Ratio Lower Upper
 94 100
 96 100.2 74.7 112.1



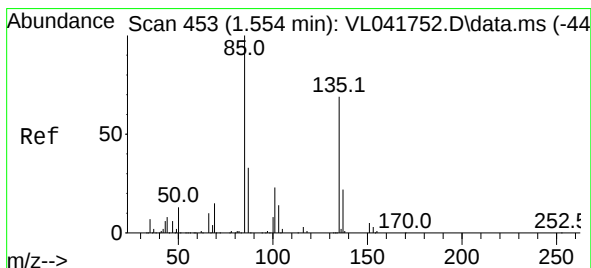
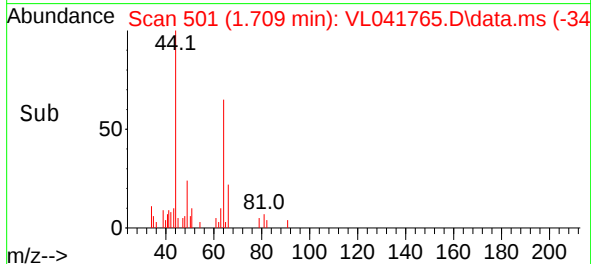
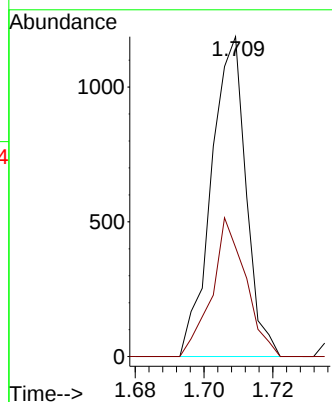


#7
Chloroethane
Concen: 0.512 ppbv
RT: 1.709 min Scan# 501
Delta R.T. 0.006 min
Lab File: VL041765.D
Acq: 16 Dec 2024 22:54

Instrument :
MSVOA_L
ClientSampleId :

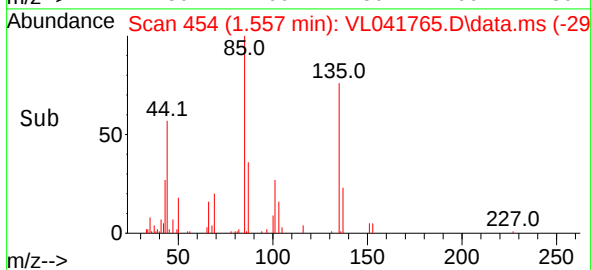
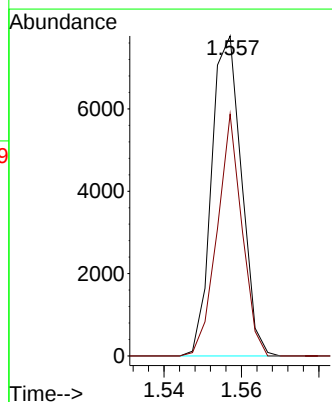
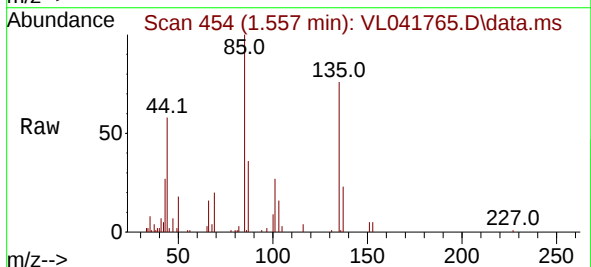


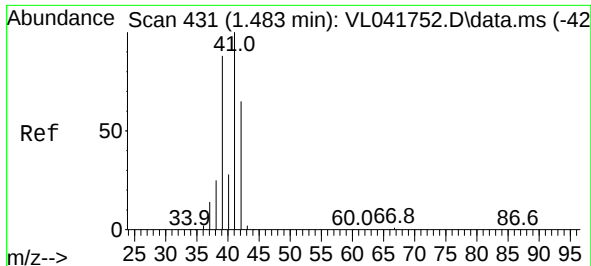
Tgt Ion: 64 Resp: 830
Ion Ratio Lower Upper
64 100
66 34.1 27.5 41.3



#8
Dichlorotetrafluoroethane
Concen: 0.439 ppbv
RT: 1.557 min Scan# 454
Delta R.T. 0.003 min
Lab File: VL041765.D
Acq: 16 Dec 2024 22:54

Tgt Ion: 85 Resp: 4161
Ion Ratio Lower Upper
85 100
135 62.9 51.9 77.9





#9

Propene

Concen: 0.462 ppbv

RT: 1.486 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL041765.D

Acq: 16 Dec 2024 22:54

Instrument :

MSVOA_L

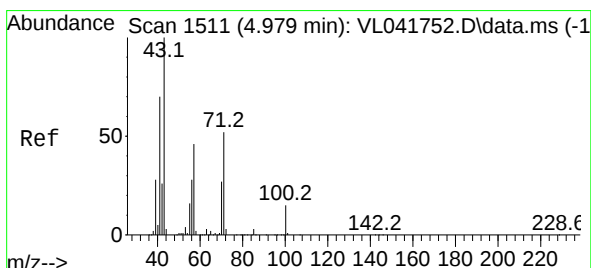
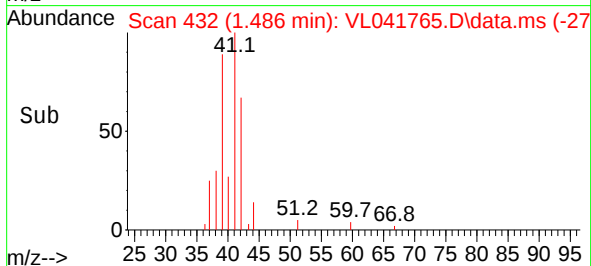
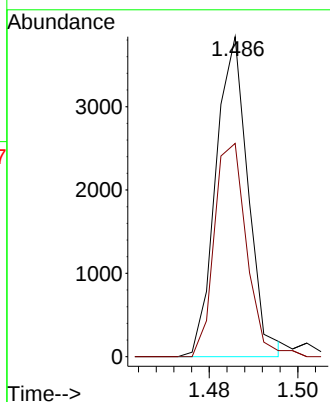
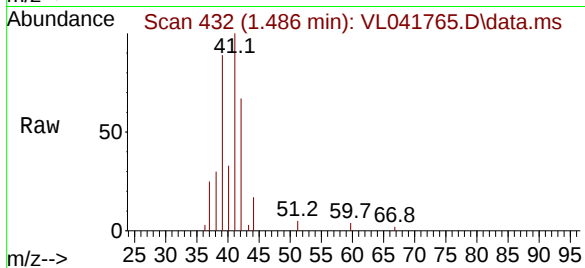
ClientSampleId :

Tgt Ion: 41 Resp: 1942

Ion Ratio Lower Upper

41 100

42 68.9 52.4 78.6



#10

Heptane

Concen: 0.253 ppbv

RT: 4.988 min Scan# 1514

Delta R.T. 0.009 min

Lab File: VL041765.D

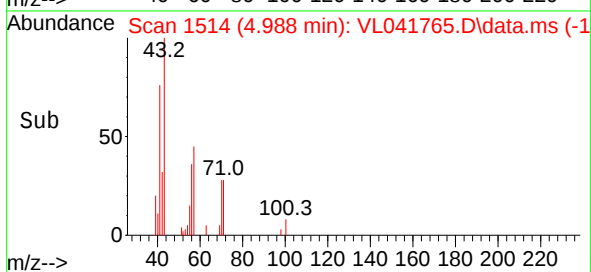
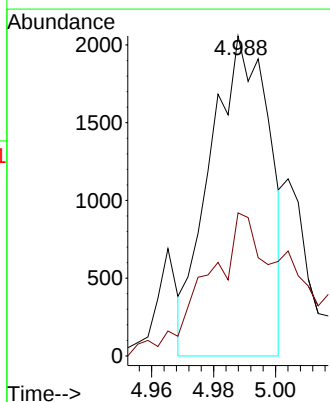
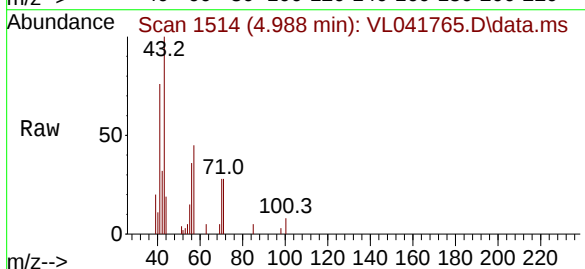
Acq: 16 Dec 2024 22:54

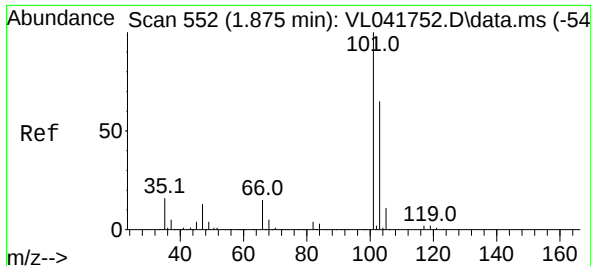
Tgt Ion: 43 Resp: 2729

Ion Ratio Lower Upper

43 100

57 65.7 38.5 57.7#

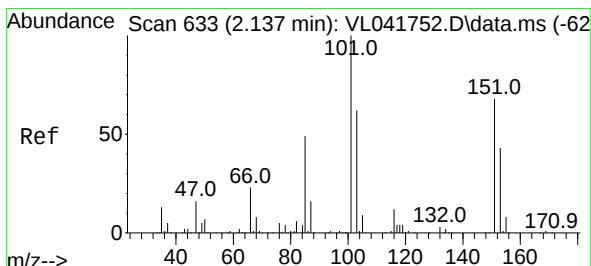
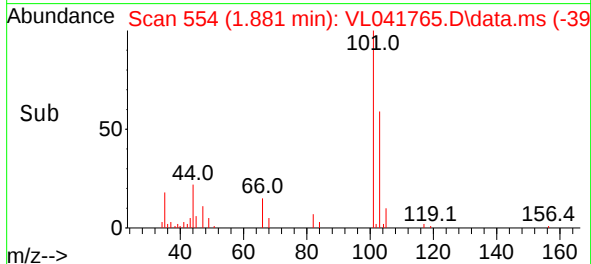
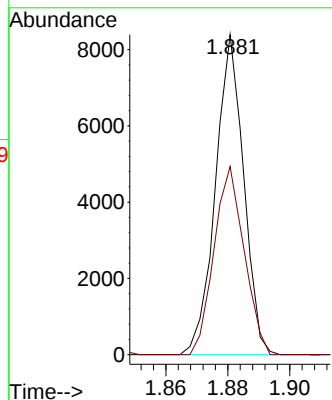
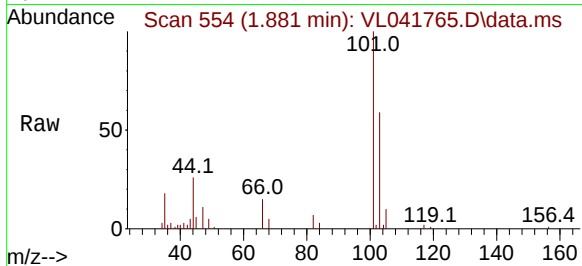




#11
 Trichlorofluoromethane
 Concen: 0.471 ppbv
 RT: 1.881 min Scan# 511
 Delta R.T. 0.006 min
 Lab File: VL041765.D
 Acq: 16 Dec 2024 22:54

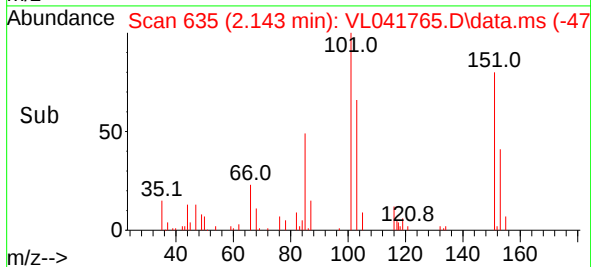
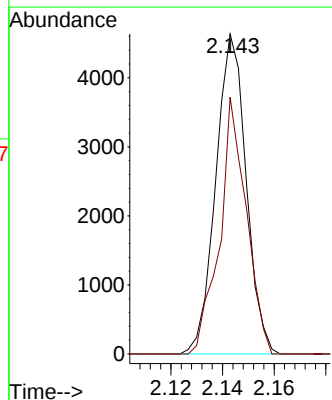
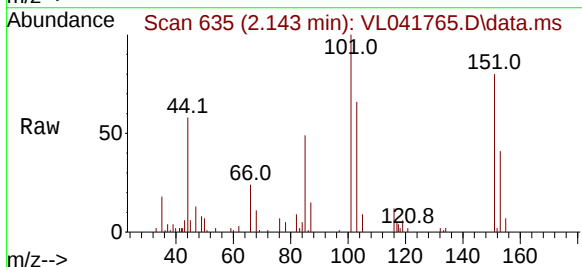
Instrument :
 MSVOA_L
 ClientSampleId :

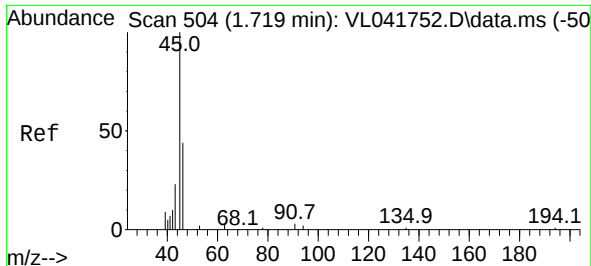
Tgt Ion:101 Resp: 5294
 Ion Ratio Lower Upper
 101 100
 103 58.8 51.8 77.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.442 ppbv
 RT: 2.143 min Scan# 635
 Delta R.T. 0.006 min
 Lab File: VL041765.D
 Acq: 16 Dec 2024 22:54

Tgt Ion:101 Resp: 3784
 Ion Ratio Lower Upper
 101 100
 151 70.6 56.8 85.2





#13

Ethanol

Concen: 1.022 ppbv

RT: 1.725 min Scan# 504

Delta R.T. 0.006 min

Lab File: VL041765.D

Acq: 16 Dec 2024 22:54

Instrument :

MSVOA_L

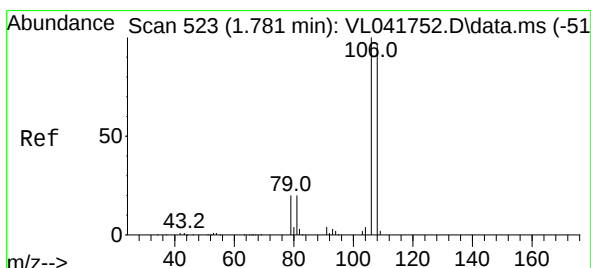
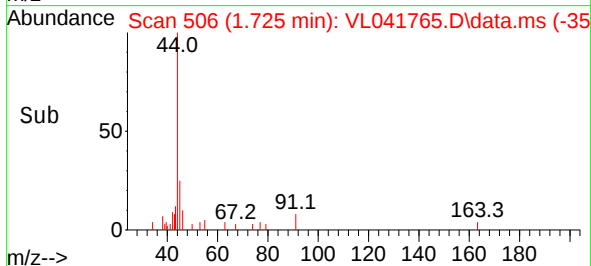
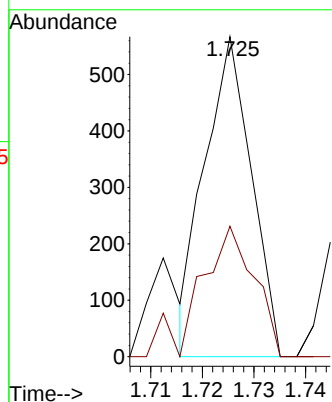
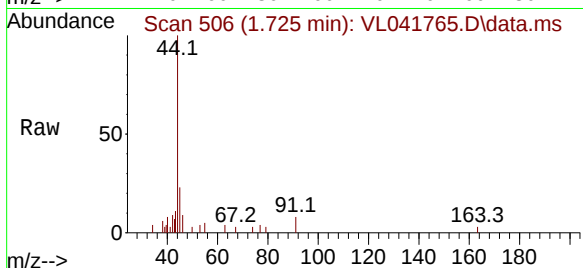
ClientSampleId :

Tgt Ion: 45 Resp: 356

Ion Ratio Lower Upper

45 100

46 47.8 16.4 65.8



#14

Bromoethene

Concen: 0.434 ppbv

RT: 1.784 min Scan# 524

Delta R.T. 0.003 min

Lab File: VL041765.D

Acq: 16 Dec 2024 22:54

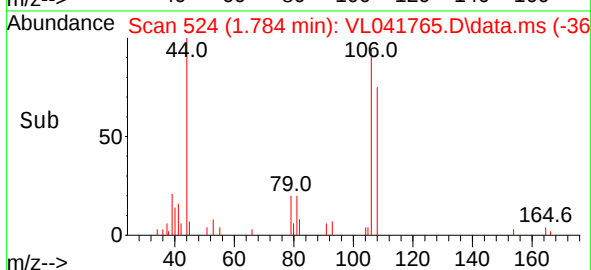
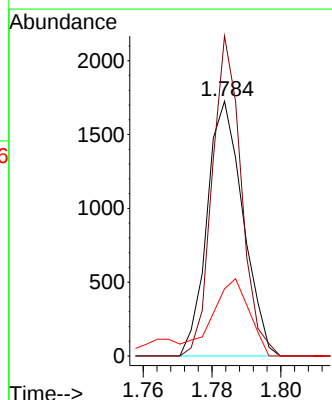
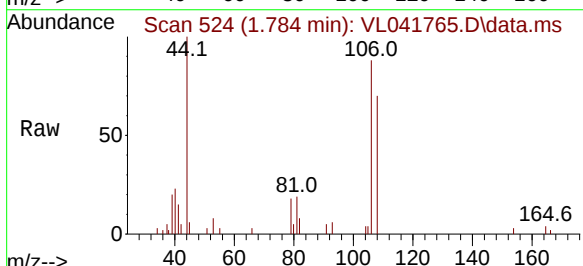
Tgt Ion: 108 Resp: 1254

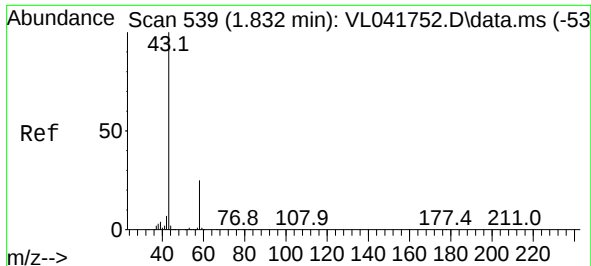
Ion Ratio Lower Upper

108 100

106 101.1 84.1 126.1

79 39.8 17.4 26.0#





#15

Acetone

Concen: 0.556 ppbv

RT: 1.839 min Scan# 541

Delta R.T. 0.006 min

Lab File: VL041765.D

Acq: 16 Dec 2024 22:54

Instrument :

MSVOA_L

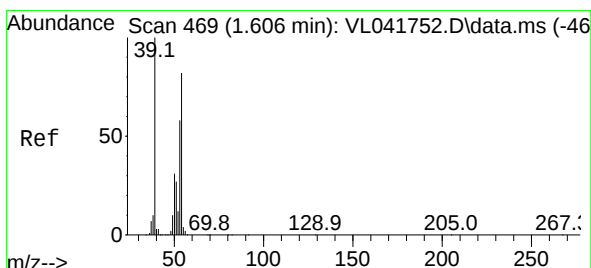
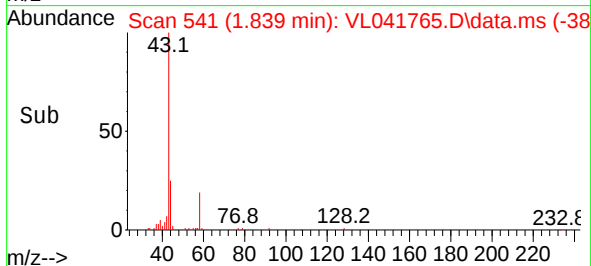
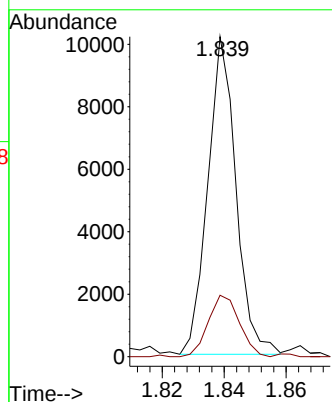
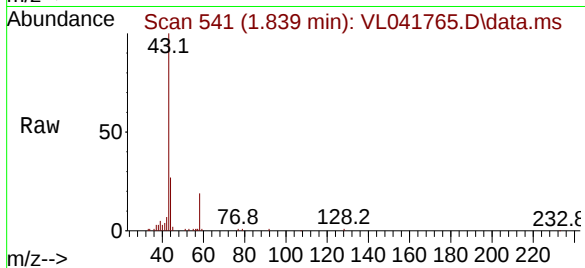
ClientSampleId :

Tgt Ion: 43 Resp: 6432

Ion Ratio Lower Upper

43 100

58 22.0 19.7 29.5



#16

1,3-Butadiene

Concen: 0.487 ppbv

RT: 1.612 min Scan# 471

Delta R.T. 0.006 min

Lab File: VL041765.D

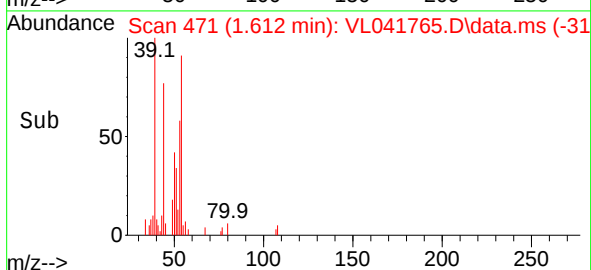
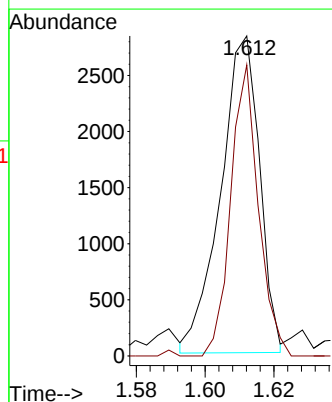
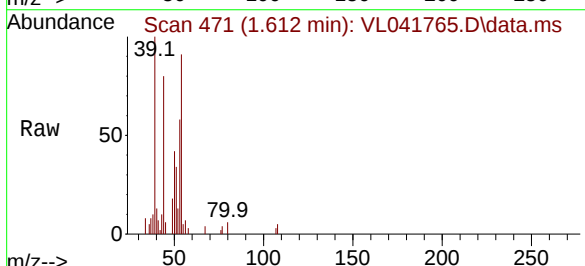
Acq: 16 Dec 2024 22:54

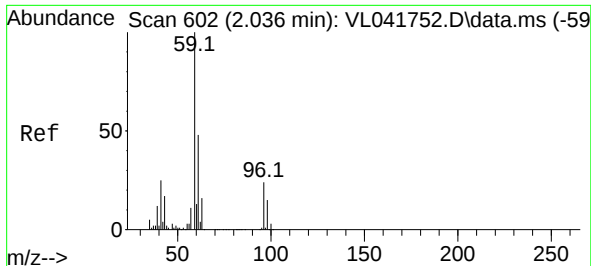
Tgt Ion: 39 Resp: 2222

Ion Ratio Lower Upper

39 100

54 65.6 58.4 87.6





#17

tert-Butyl alcohol

Concen: 0.435 ppbv

RT: 2.046 min Scan# 602

Delta R.T. 0.009 min

Lab File: VL041765.D

Acq: 16 Dec 2024 22:54

Instrument :

MSVOA_L

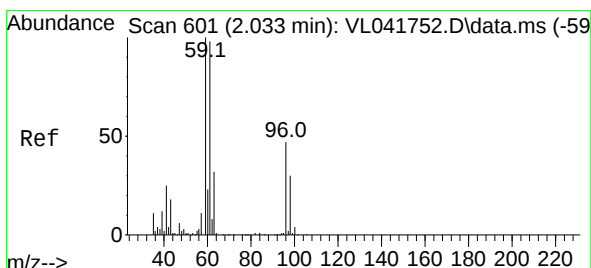
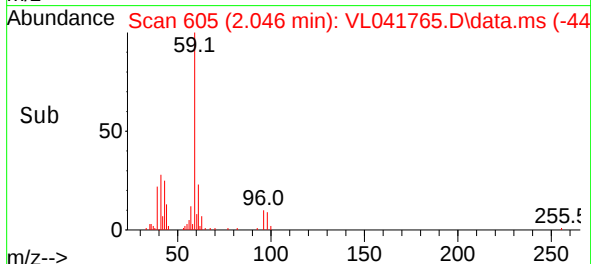
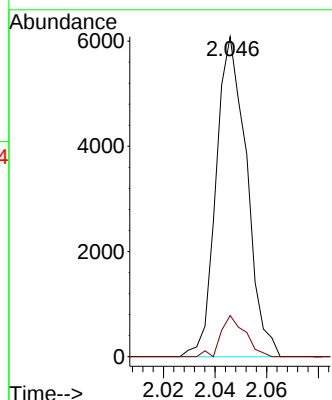
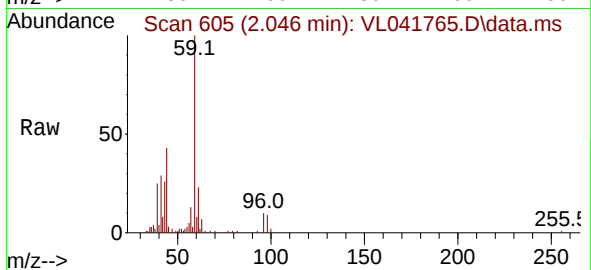
ClientSampleId :

Tgt Ion: 59 Resp: 4994

Ion Ratio Lower Upper

59 100

57 10.2 8.6 13.0



#18

1,1-Dichloroethene

Concen: 0.486 ppbv

RT: 2.039 min Scan# 603

Delta R.T. 0.006 min

Lab File: VL041765.D

Acq: 16 Dec 2024 22:54

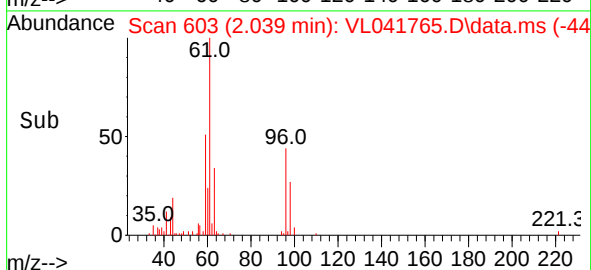
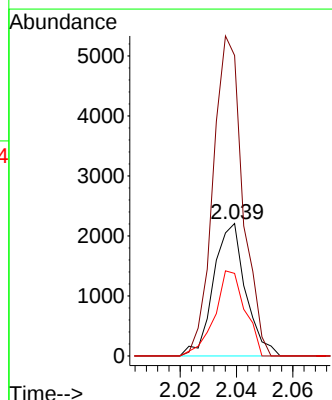
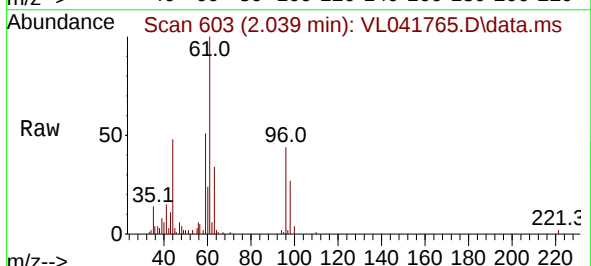
Tgt Ion: 96 Resp: 1744

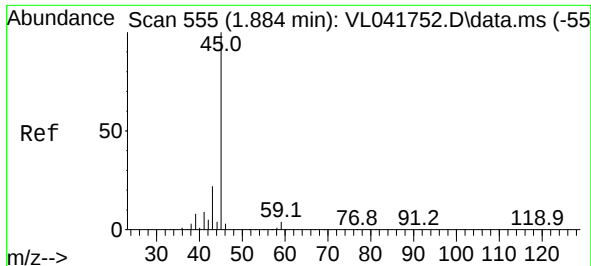
Ion Ratio Lower Upper

96 100

61 226.9 167.7 251.5

98 62.4 51.1 76.7





#19

Isopropyl Alcohol

Concen: 0.618 ppbv

RT: 1.890 min Scan# 51

Delta R.T. 0.006 min

Lab File: VL041765.D

Acq: 16 Dec 2024 22:54

Instrument :

MSVOA_L

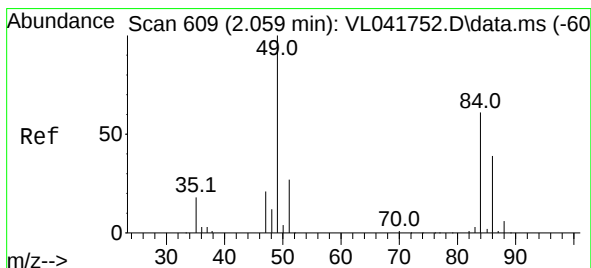
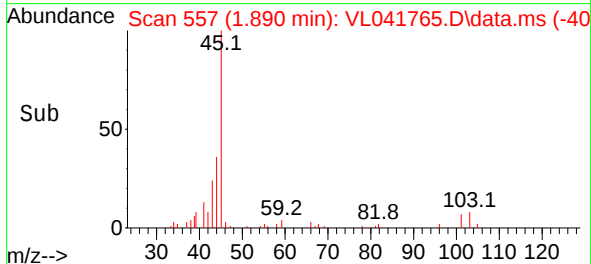
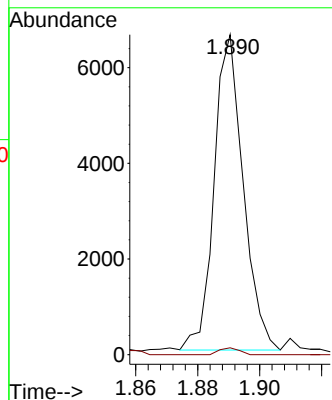
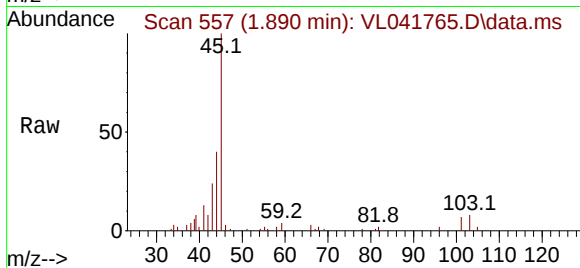
ClientSampleId :

Tgt Ion: 45 Resp: 4291

Ion Ratio Lower Upper

45 100

58 1.5 33.3 49.9#



#20

Methylene Chloride

Concen: 0.531 ppbv

RT: 2.068 min Scan# 612

Delta R.T. 0.009 min

Lab File: VL041765.D

Acq: 16 Dec 2024 22:54

Tgt Ion: 84 Resp: 1753

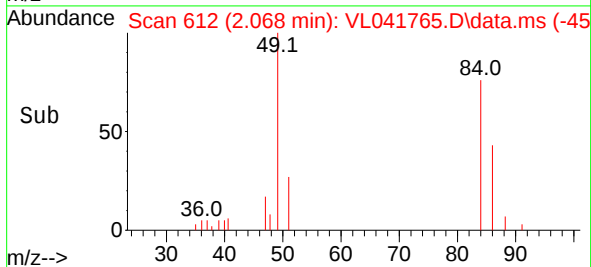
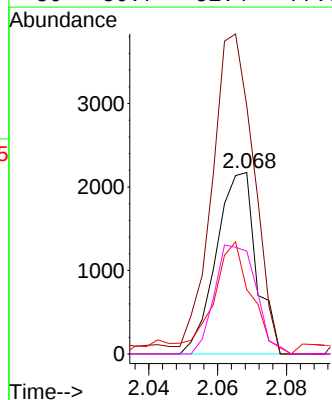
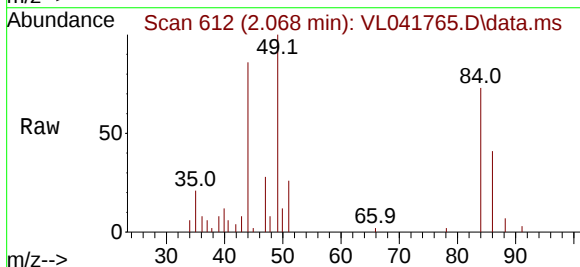
Ion Ratio Lower Upper

84 100

49 136.8 132.6 198.8

51 32.0 37.6 56.4#

86 56.7 51.4 77.0





#21

Allyl Chloride

Concen: 0.447 ppbv

RT: 2.098 min Scan# 61

Delta R.T. 0.003 min

Lab File: VL041765.D

Acq: 16 Dec 2024 22:54

Instrument :

MSVOA_L

ClientSampleId :

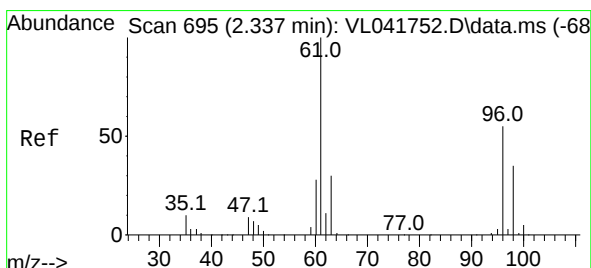
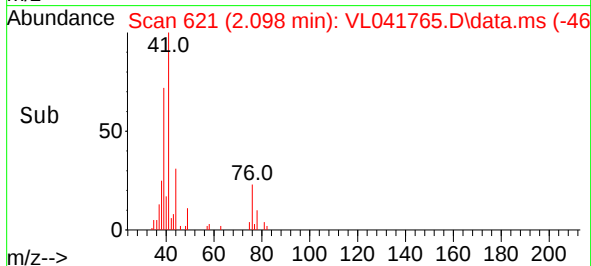
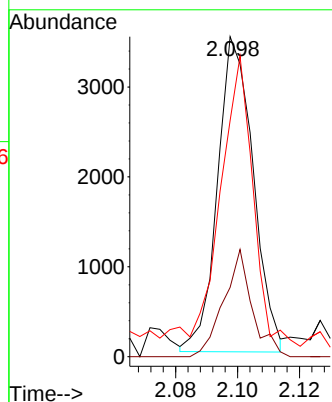
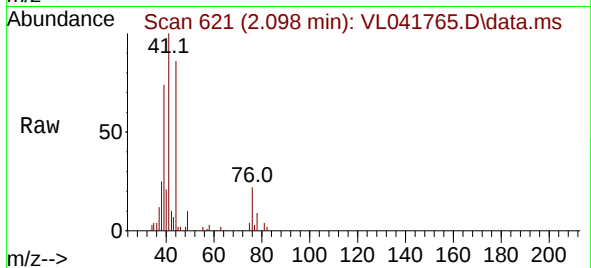
Tgt Ion: 41 Resp: 2805

Ion Ratio Lower Upper

41 100

76 27.1 22.3 33.5

39 96.6 69.2 103.8



#22

trans-1,2-Dichloroethene

Concen: 0.385 ppbv

RT: 2.347 min Scan# 698

Delta R.T. 0.009 min

Lab File: VL041765.D

Acq: 16 Dec 2024 22:54

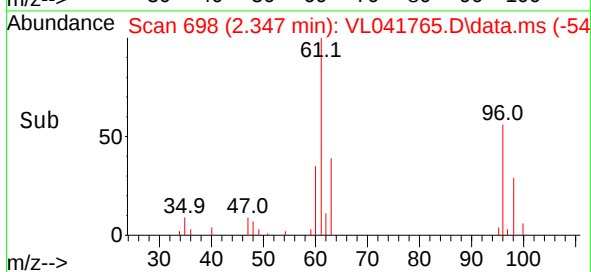
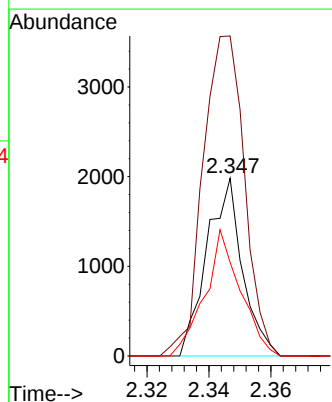
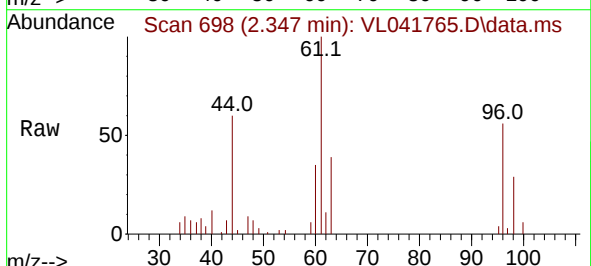
Tgt Ion: 96 Resp: 1581

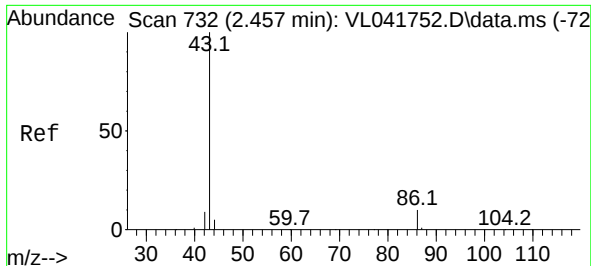
Ion Ratio Lower Upper

96 100

61 180.0 146.3 219.5

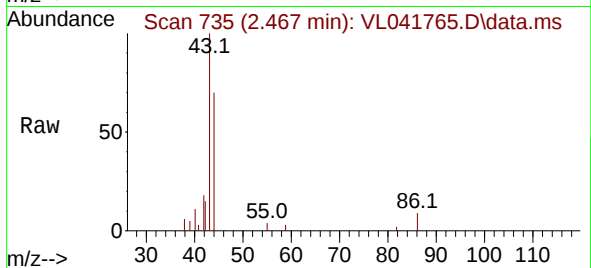
98 52.6 50.8 76.2



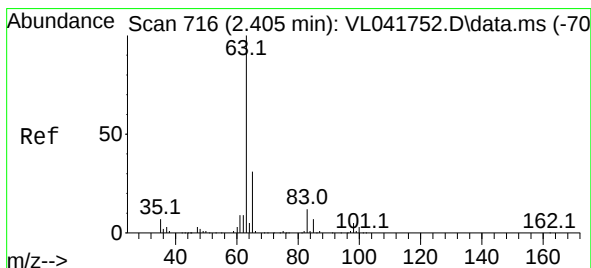
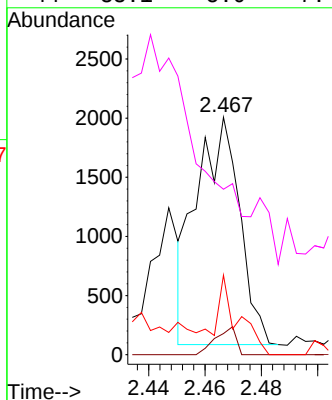
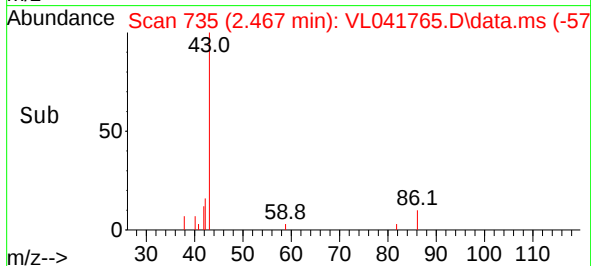


#23
 Vinyl Acetate
 Concen: 0.380 ppbv
 RT: 2.467 min Scan# 719
 Delta R.T. 0.009 min
 Lab File: VL041765.D
 Acq: 16 Dec 2024 22:54

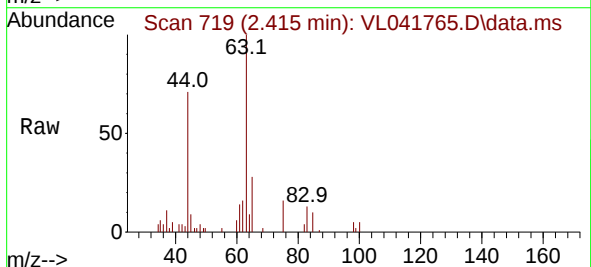
Instrument :
 MSVOA_1
 ClientSampleId :



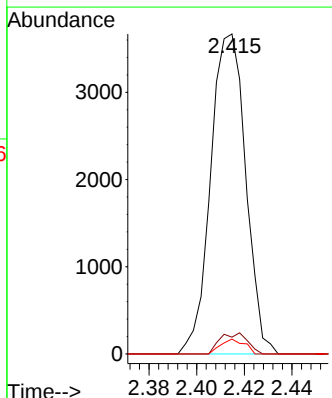
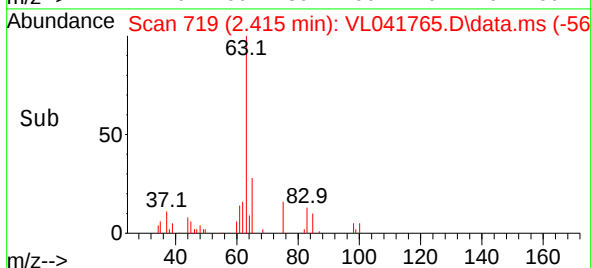
Tgt Ion	43	Resp: Lower	2040 Upper
43	100		
86	9.3	6.6	10.0
42	34.9	8.2	12.2#
44	33.1	5.0	7.4#

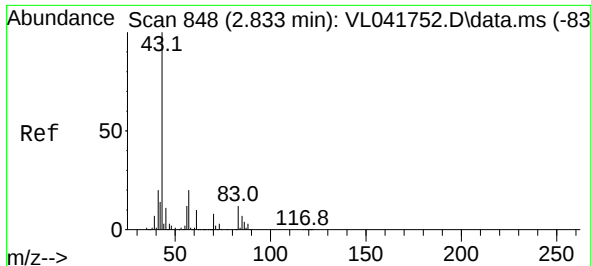


#24
 1,1-Dichloroethane
 Concen: 0.451 ppbv
 RT: 2.415 min Scan# 719
 Delta R.T. 0.009 min
 Lab File: VL041765.D
 Acq: 16 Dec 2024 22:54



Tgt Ion: 63	Resp: 3749
Ion Ratio	Lower Upper
63 100	
98 5.3	2.3 6.8
100 4.6	1.4 4.2#





#25

Ethyl Acetate

Concen: 0.382 ppbv

RT: 2.845 min Scan# 848

Delta R.T. 0.013 min

Lab File: VL041765.D

Acq: 16 Dec 2024 22:54

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 43 Resp: 8231

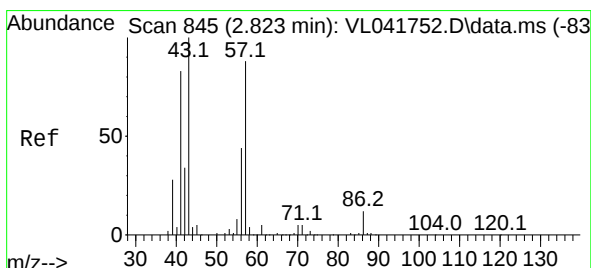
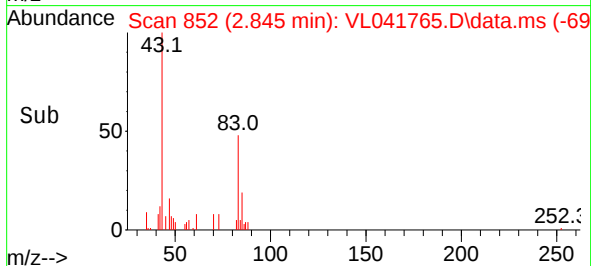
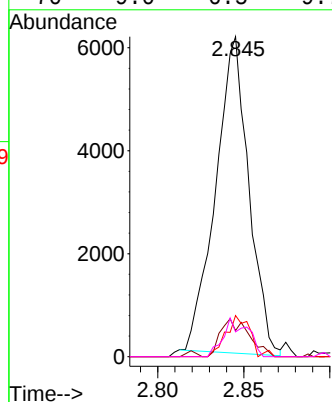
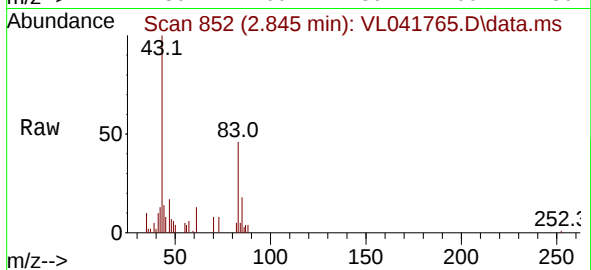
Ion Ratio Lower Upper

43 100

45 10.8 8.1 12.1

61 9.5 7.0 10.6

70 9.0 6.5 9.7



#26

Hexane

Concen: 0.402 ppbv

RT: 2.829 min Scan# 847

Delta R.T. 0.006 min

Lab File: VL041765.D

Acq: 16 Dec 2024 22:54

Tgt Ion: 57 Resp: 3283

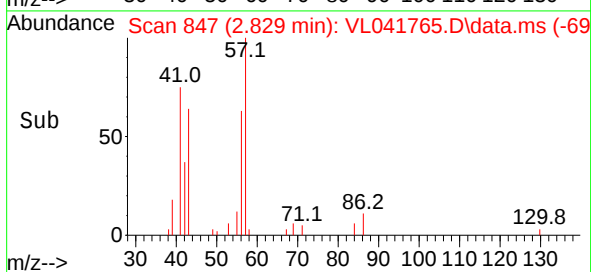
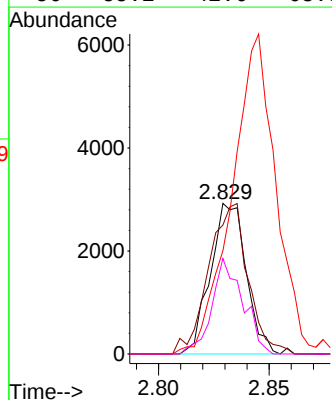
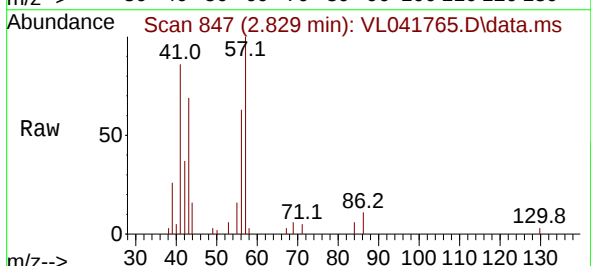
Ion Ratio Lower Upper

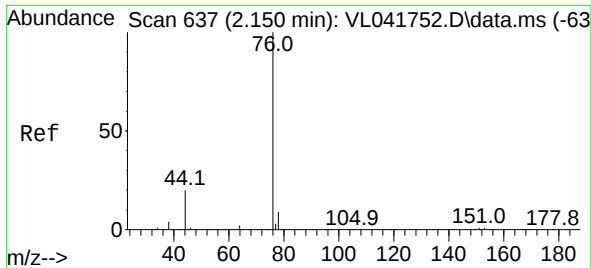
57 100

41 109.8 79.6 119.4

43 264.4 211.0 316.6

56 55.2 42.6 63.8





#27

Carbon Disulfide

Concen: 0.323 ppbv

RT: 2.153 min Scan# 61

Delta R.T. 0.003 min

Lab File: VL041765.D

Acq: 16 Dec 2024 22:54

Instrument :

MSVOA_L

ClientSampleId :

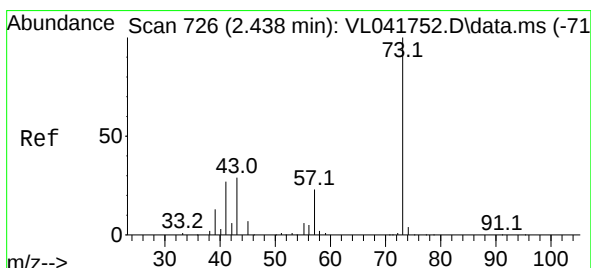
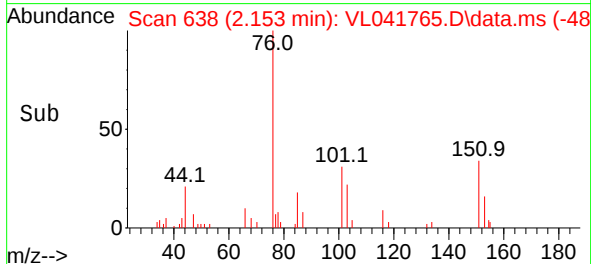
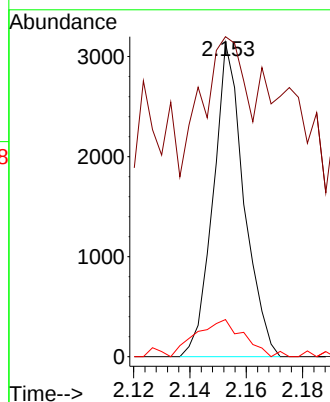
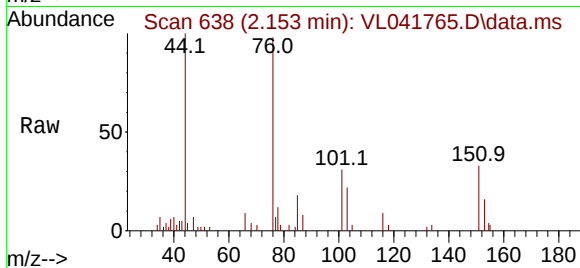
Tgt Ion: 76 Resp: 2378

Ion Ratio Lower Upper

76 100

44 224.3 17.6 26.4#

78 19.5 10.2 15.4#



#28

Methyl tert-Butyl Ether

Concen: 0.410 ppbv

RT: 2.444 min Scan# 728

Delta R.T. 0.006 min

Lab File: VL041765.D

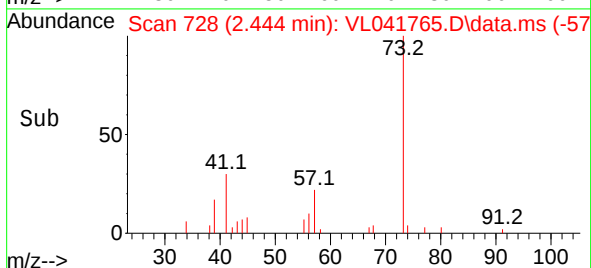
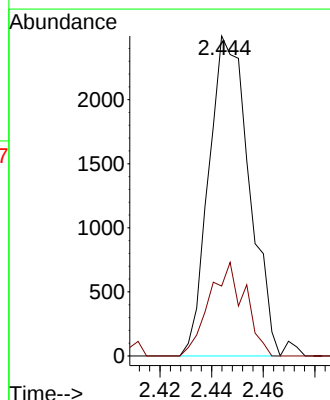
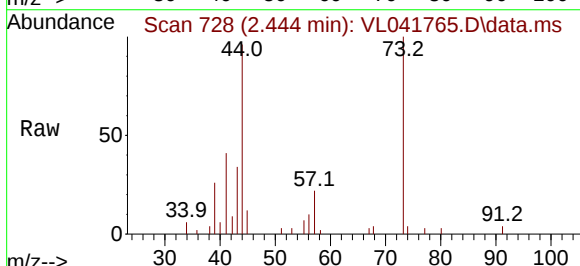
Acq: 16 Dec 2024 22:54

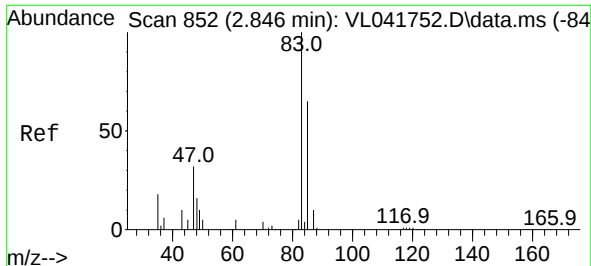
Tgt Ion: 73 Resp: 2717

Ion Ratio Lower Upper

73 100

57 27.9 17.6 26.4#





#29

Chloroform

Concen: 0.471 ppbv

RT: 2.855 min Scan# 85

Delta R.T. 0.009 min

Lab File: VL041765.D

Acq: 16 Dec 2024 22:54

Instrument :

MSVOA_L

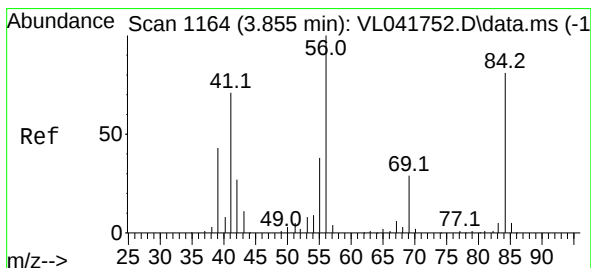
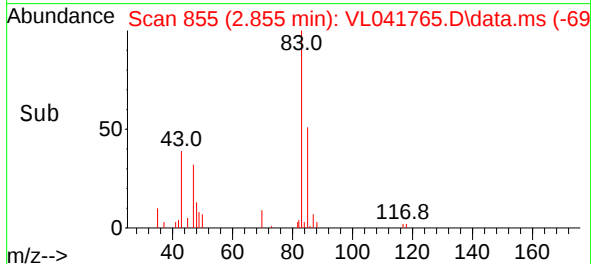
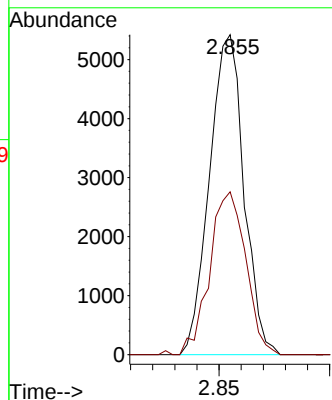
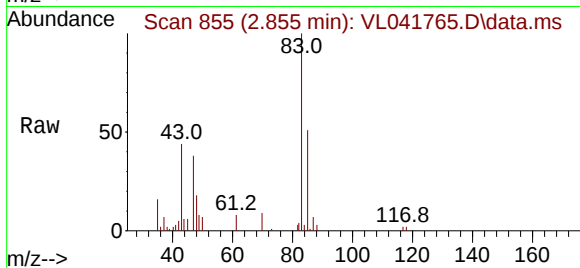
ClientSampleId :

Tgt Ion: 83 Resp: 5860

Ion Ratio Lower Upper

83 100

85 50.9 51.8 77.6#



#30

Cyclohexane

Concen: 0.248 ppbv

RT: 3.868 min Scan# 1168

Delta R.T. 0.013 min

Lab File: VL041765.D

Acq: 16 Dec 2024 22:54

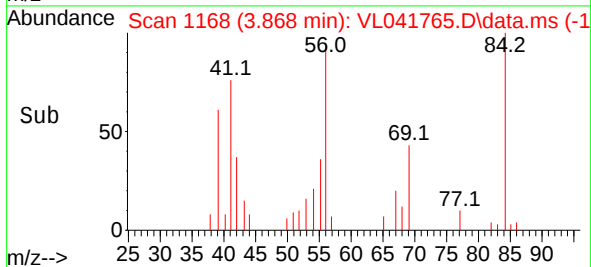
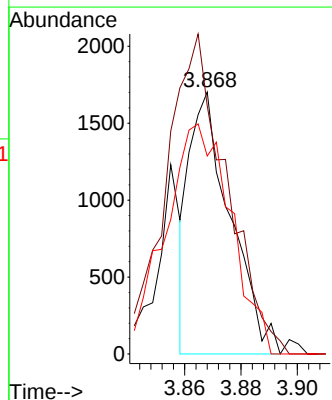
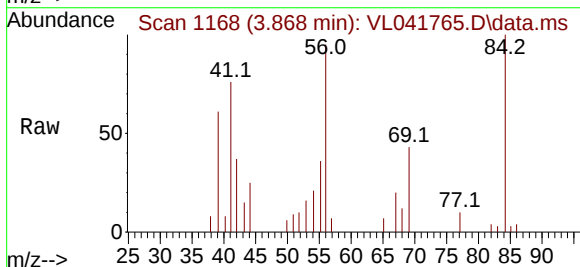
Tgt Ion: 84 Resp: 1722

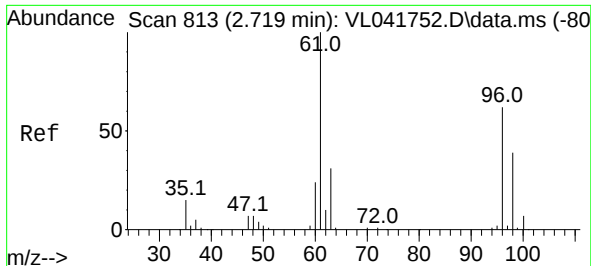
Ion Ratio Lower Upper

84 100

56 181.0 102.3 153.5#

41 142.4 74.0 111.0#

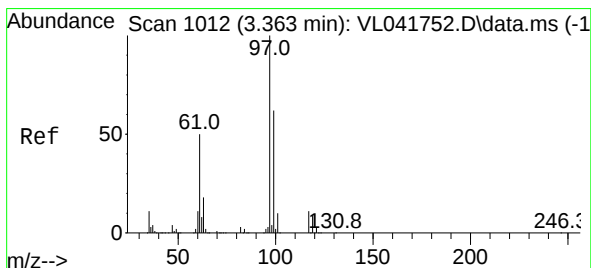
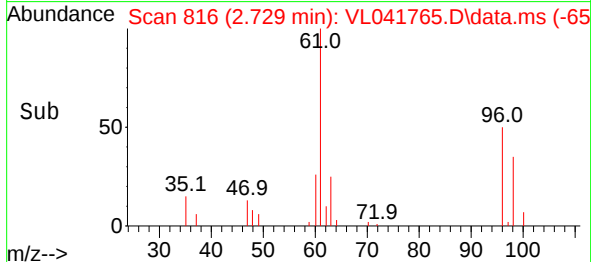
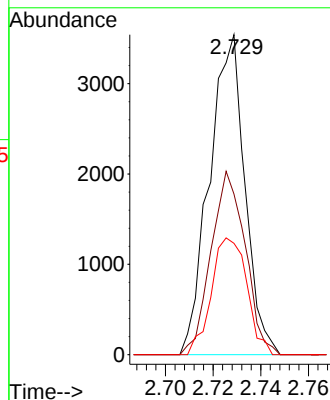
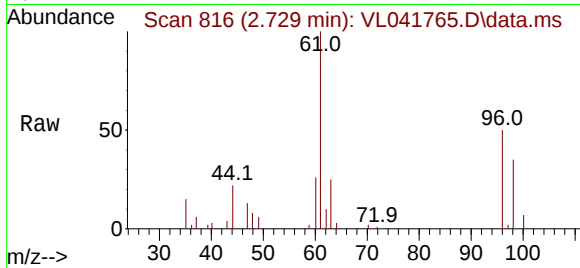




#31
 cis-1,2-Dichloroethene
 Concen: 0.433 ppbv
 RT: 2.729 min Scan# 813
 Delta R.T. 0.009 min
 Lab File: VL041765.D
 Acq: 16 Dec 2024 22:54

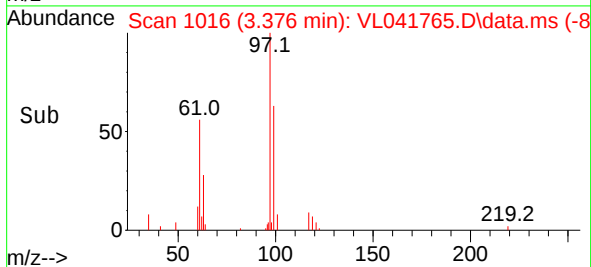
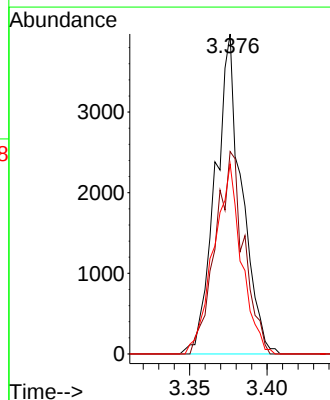
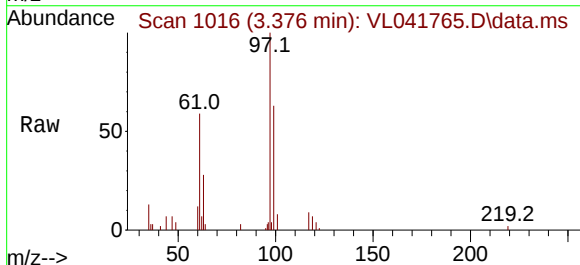
Instrument :
 MSVOA_1
 ClientSampleId :

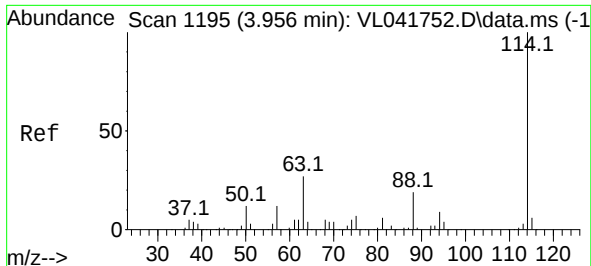
Tgt Ion: 61 Resp: 3657
 Ion Ratio Lower Upper
 61 100
 96 50.2 49.7 74.5
 98 34.8 30.8 46.2



#32
 1,1,1-Trichloroethane
 Concen: 0.372 ppbv
 RT: 3.376 min Scan# 1016
 Delta R.T. 0.013 min
 Lab File: VL041765.D
 Acq: 16 Dec 2024 22:54

Tgt Ion: 97 Resp: 4715
 Ion Ratio Lower Upper
 97 100
 99 68.5 51.0 76.4
 61 62.4 42.2 63.2





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.965 min Scan# 1195

Delta R.T. 0.009 min

Lab File: VL041765.D

Acq: 16 Dec 2024 22:54

Instrument :

MSVOA_L

ClientSampleId :

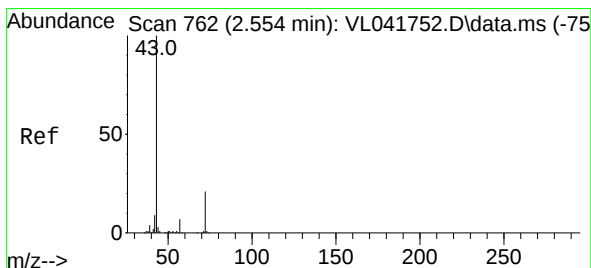
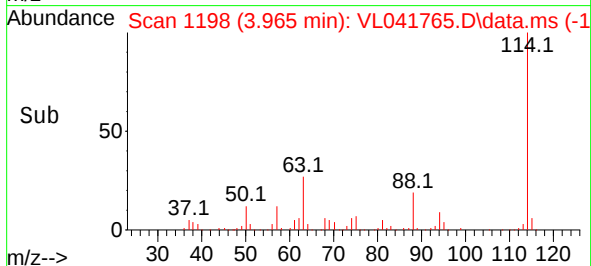
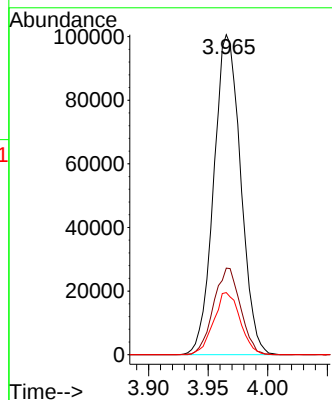
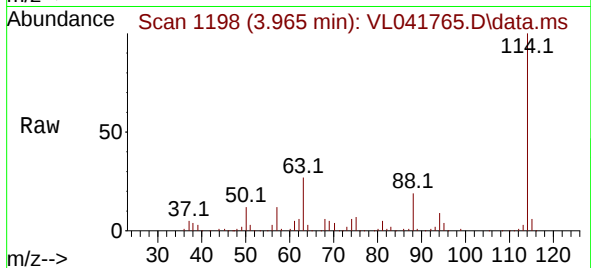
Tgt Ion:114 Resp: 157774

Ion Ratio Lower Upper

114 100

63 27.0 21.8 32.8

88 19.2 14.8 22.2



#34

2-Butanone

Concen: 0.427 ppbv

RT: 2.567 min Scan# 766

Delta R.T. 0.013 min

Lab File: VL041765.D

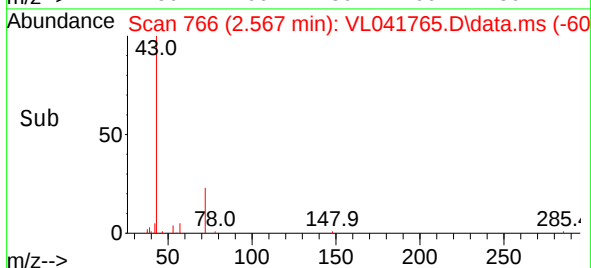
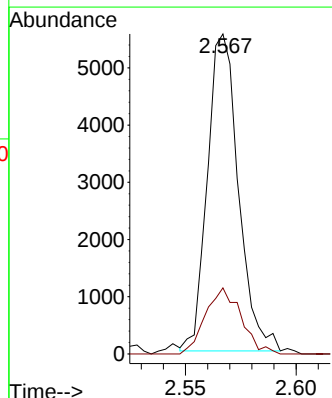
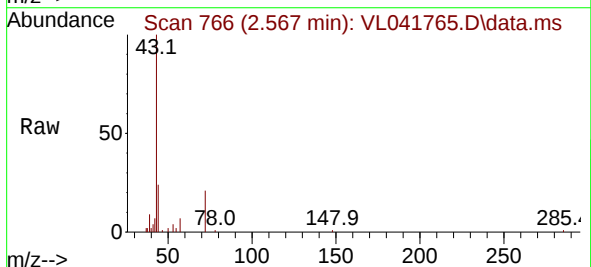
Acq: 16 Dec 2024 22:54

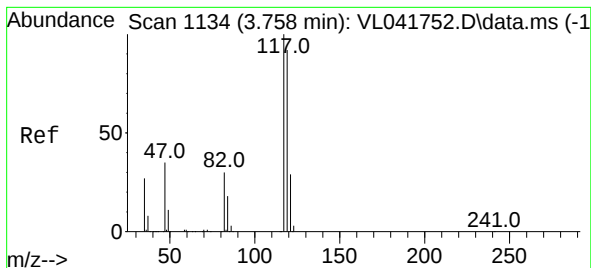
Tgt Ion: 43 Resp: 5414

Ion Ratio Lower Upper

43 100

72 23.9 16.8 25.2





#35

Carbon Tetrachloride

Concen: 0.394 ppbv

RT: 3.771 min Scan# 1138

Delta R.T. 0.013 min

Lab File: VL041765.D

Acq: 16 Dec 2024 22:54

Instrument :

MSVOA_L

ClientSampleId :

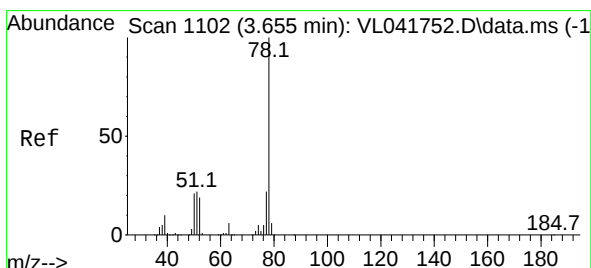
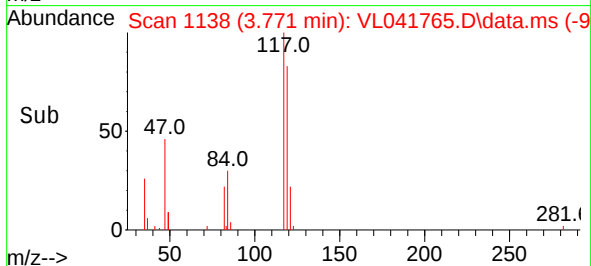
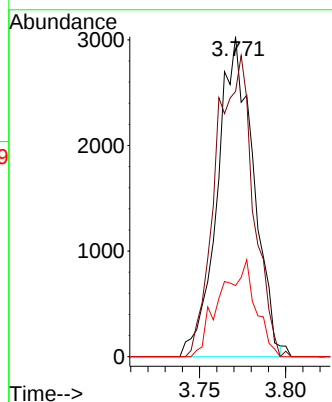
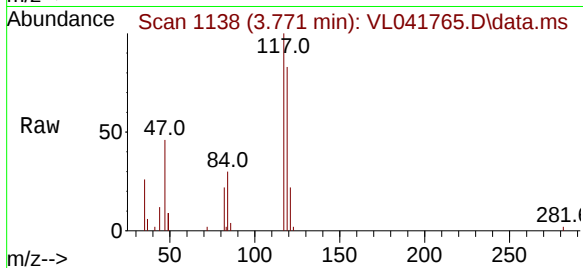
Tgt Ion:117 Resp: 4408

Ion Ratio Lower Upper

117 100

119 82.9 73.7 110.5

121 22.2 23.0 34.4#



#36

Benzene

Concen: 0.449 ppbv

RT: 3.664 min Scan# 1105

Delta R.T. 0.009 min

Lab File: VL041765.D

Acq: 16 Dec 2024 22:54

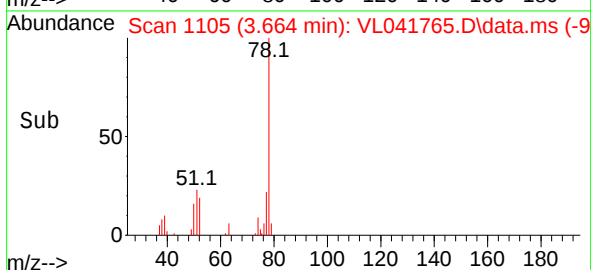
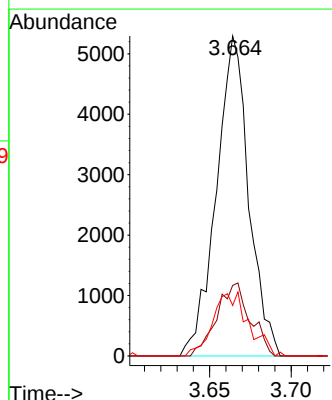
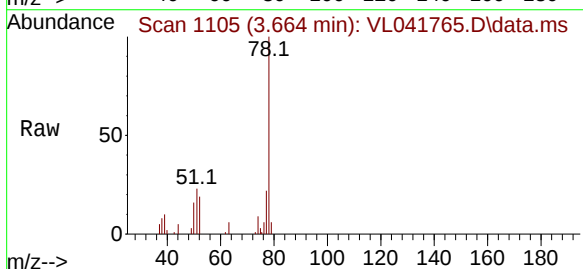
Tgt Ion: 78 Resp: 7333

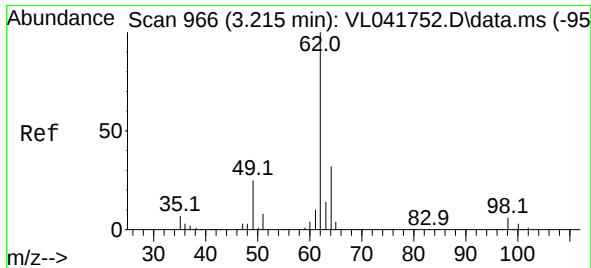
Ion Ratio Lower Upper

78 100

77 22.0 17.8 26.6

50 15.8 17.2 25.8#

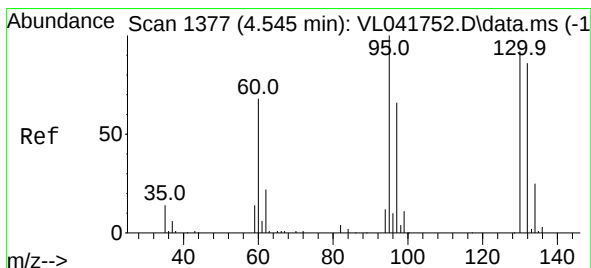
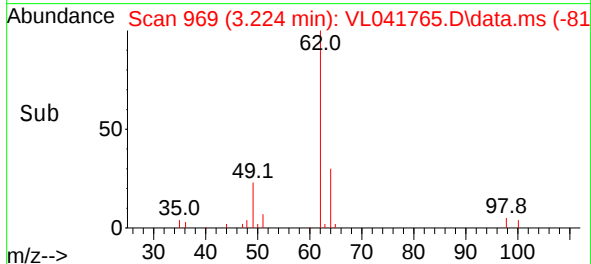
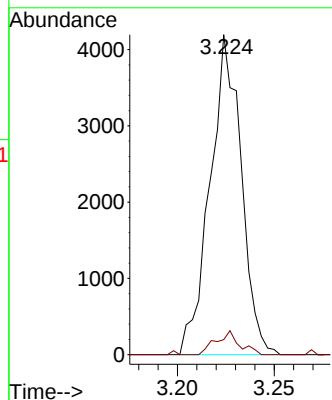
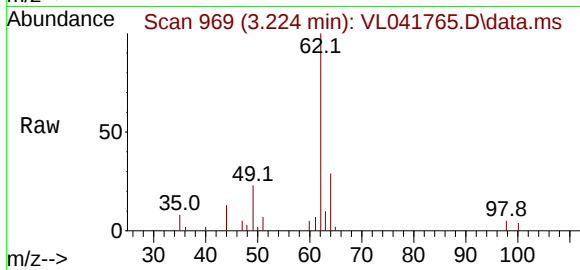




#37
1,2-Dichloroethane
Concen: 0.463 ppbv
RT: 3.224 min Scan# 90
Delta R.T. 0.009 min
Lab File: VL041765.D
Acq: 16 Dec 2024 22:54

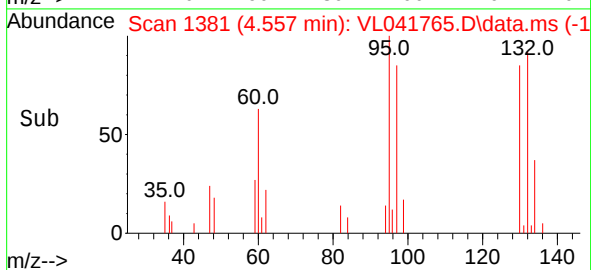
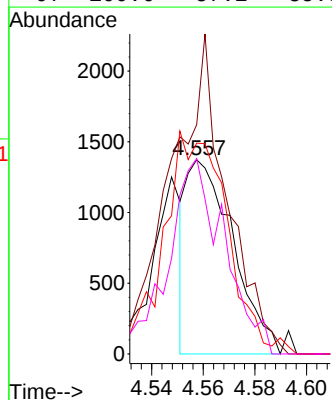
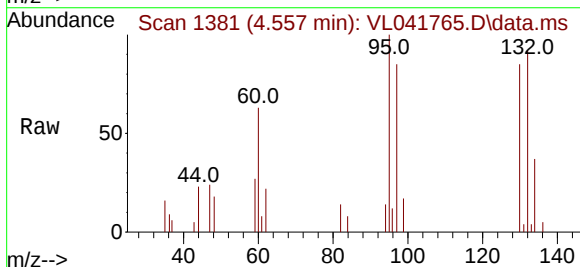
Instrument :
MSVOA_L
ClientSampleId :

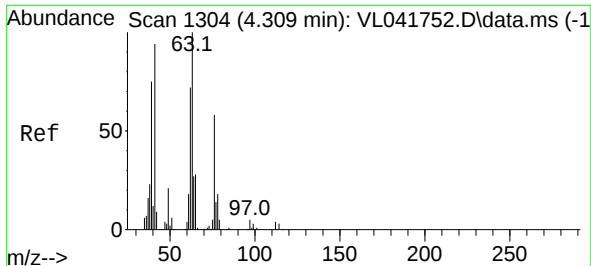
Tgt Ion: 62 Resp: 4697
Ion Ratio Lower Upper
62 100
98 5.8 4.7 7.1



#38
Trichloroethene
Concen: 0.248 ppbv
RT: 4.557 min Scan# 1381
Delta R.T. 0.013 min
Lab File: VL041765.D
Acq: 16 Dec 2024 22:54

Tgt Ion:130 Resp: 1715
Ion Ratio Lower Upper
130 100
95 113.2 87.0 130.6
132 100.2 75.0 112.6
97 100.6 57.2 85.8#





#39

1,2-Dichloropropane

Concen: 0.116 ppbv

RT: 4.311 min Scan# 1305

Delta R.T. 0.003 min

Lab File: VL041765.D

Acq: 16 Dec 2024 22:54

Instrument :

MSVOA_L

ClientSampleId :

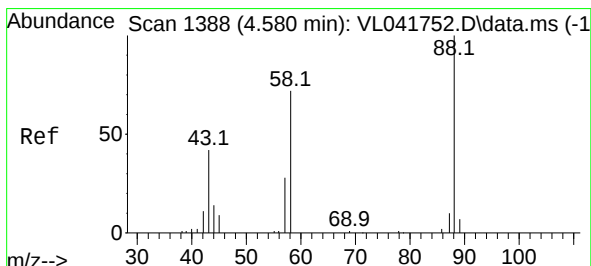
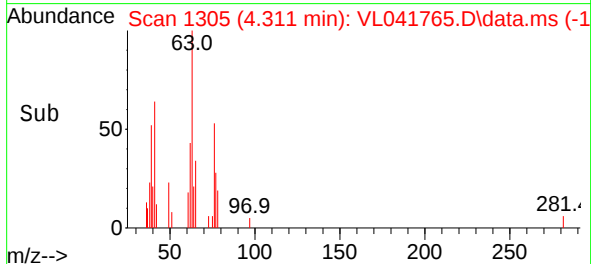
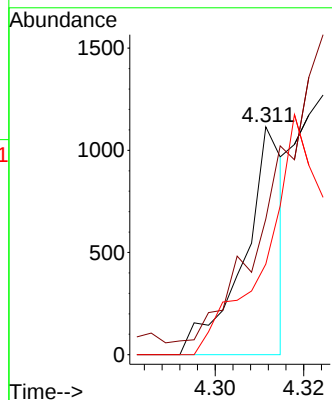
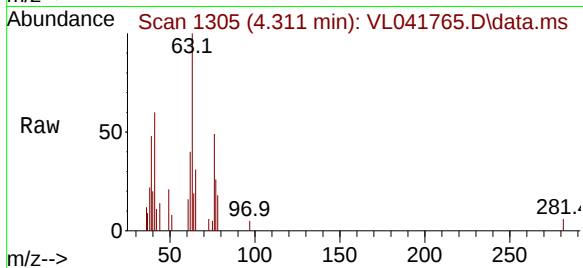
Tgt Ion: 63 Resp: 686

Ion Ratio Lower Upper

63 100

41 53.5 75.3 112.9#

62 39.7 57.3 85.9#



#40

1,4-Dioxane

Concen: 0.036 ppbv

RT: 4.606 min Scan# 1396

Delta R.T. 0.026 min

Lab File: VL041765.D

Acq: 16 Dec 2024 22:54

Tgt Ion: 88 Resp: 105

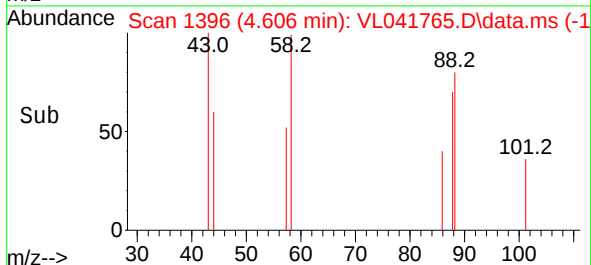
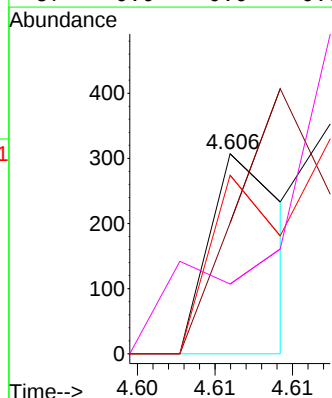
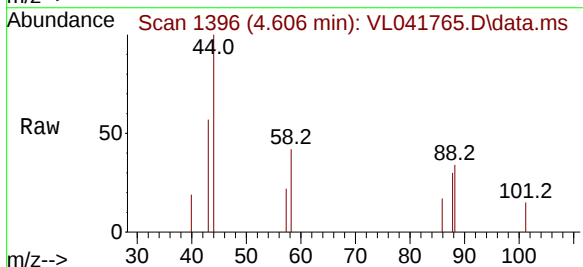
Ion Ratio Lower Upper

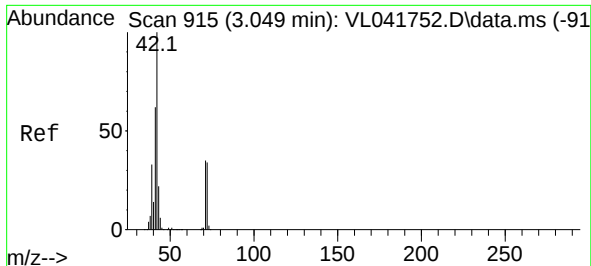
88 100

58 0.0 61.0 91.6#

43 0.0 29.4 44.0#

57 0.0 0.0 0.0





#41

Tetrahydrofuran

Concen: 0.407 ppbv

RT: 3.072 min Scan# 91

Delta R.T. 0.022 min

Lab File: VL041765.D

Acq: 16 Dec 2024 22:54

Instrument :

MSVOA_L

ClientSampleId :

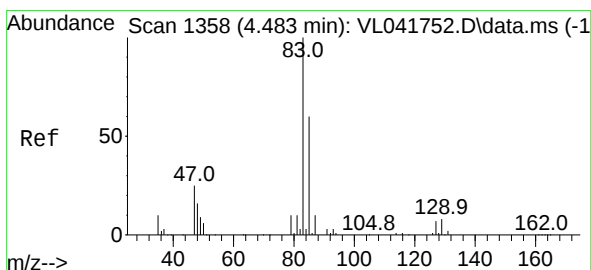
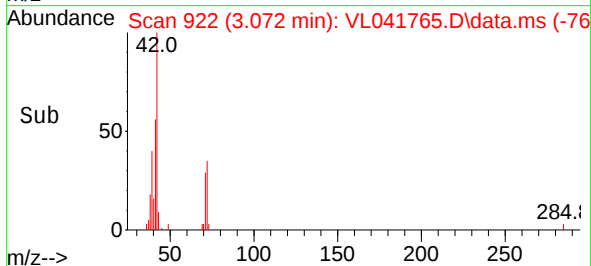
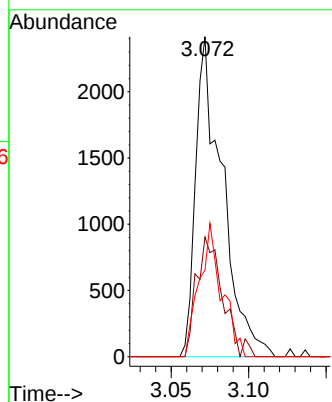
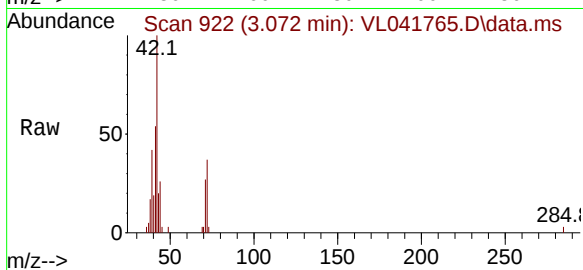
Tgt Ion: 42 Resp: 2894

Ion	Ratio	Lower	Upper
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42	100		
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72	36.8	29.1	43.7
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71	35.1	28.4	42.6
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#42

Bromodichloromethane

Concen: 0.224 ppbv

RT: 4.499 min Scan# 1363

Delta R.T. 0.016 min

Lab File: VL041765.D

Acq: 16 Dec 2024 22:54

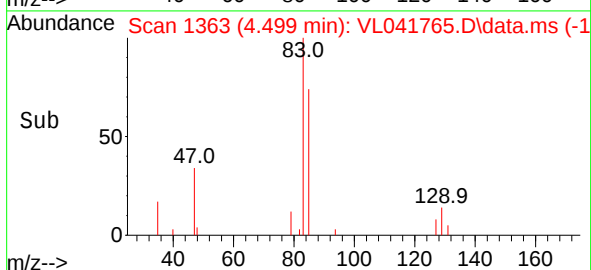
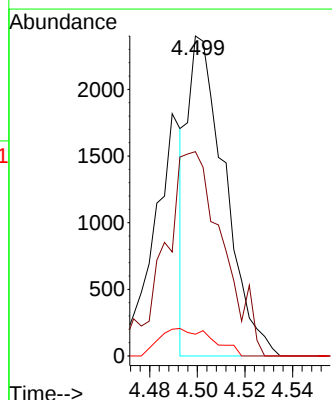
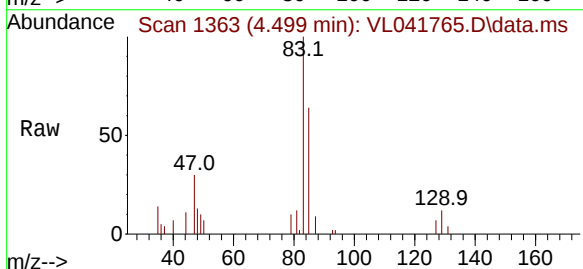
Tgt Ion: 83 Resp: 2614

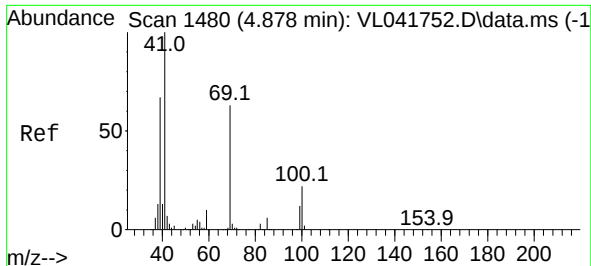
Ion	Ratio	Lower	Upper
-----	-------	-------	-------

83	100		
----	-----	--	--

85	63.8	48.0	72.0
----	------	------	------

127	6.8	5.8	8.8
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#43

Methyl Methacrylate

Concen: 0.227 ppbv

RT: 4.894 min Scan# 1485

Delta R.T. 0.016 min

Lab File: VL041765.D

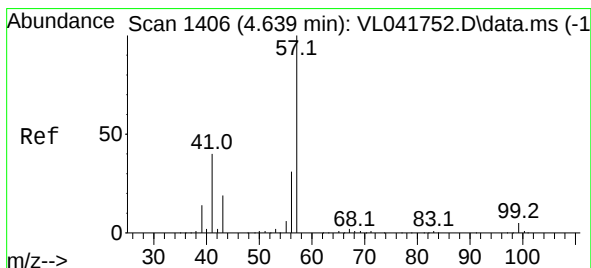
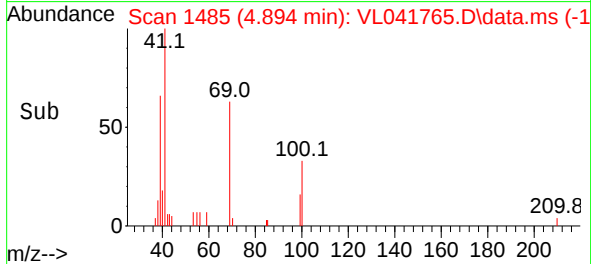
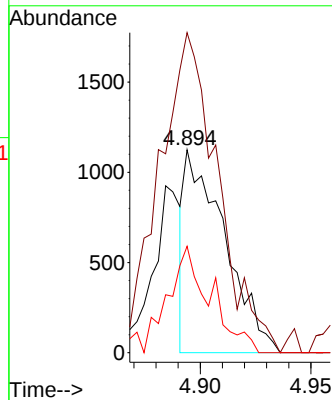
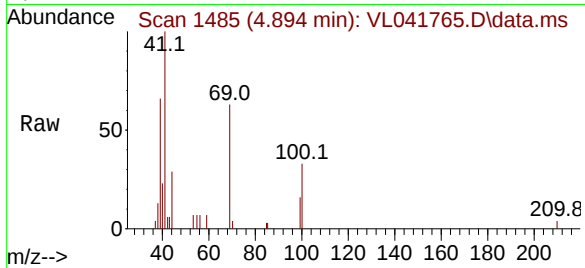
Acq: 16 Dec 2024 22:54

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:	69	Resp:	1414
Ion	Ratio	Lower	Upper
69	100		
41	233.9	130.3	195.5#
100	58.1	28.3	42.5#



#44

2,2,4-Trimethylpentane

Concen: 0.161 ppbv

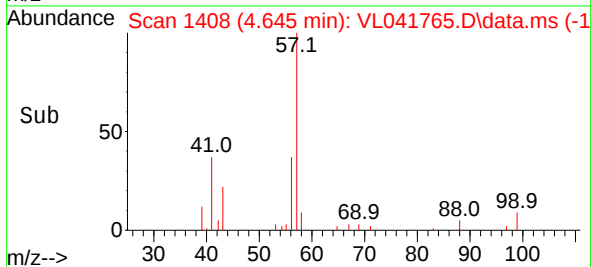
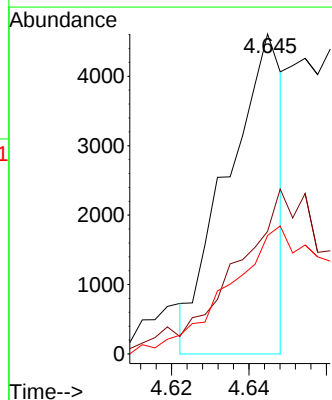
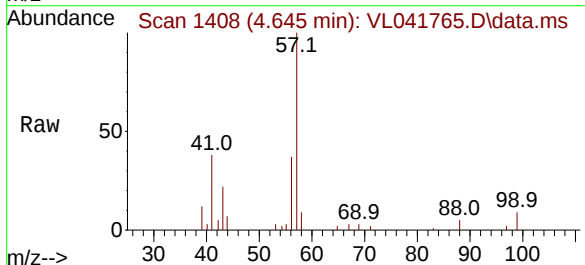
RT: 4.645 min Scan# 1408

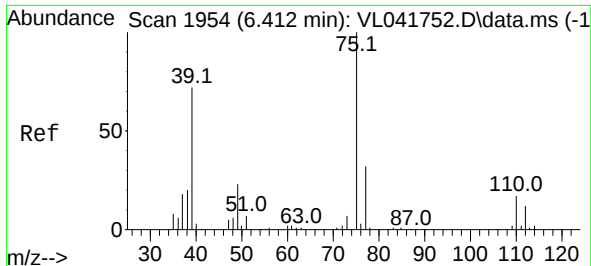
Delta R.T. 0.006 min

Lab File: VL041765.D

Acq: 16 Dec 2024 22:54

Tgt Ion:	57	Resp:	4489
Ion	Ratio	Lower	Upper
57	100		
41	100.9	30.7	46.1#
56	79.9	25.4	38.0#





#45

t-1,3-Dichloropropene

Concen: 0.030 ppbv

RT: 6.406 min Scan# 1

Delta R.T. -0.007 min

Lab File: VL041765.D

Acq: 16 Dec 2024 22:54

Instrument :

MSVOA_L

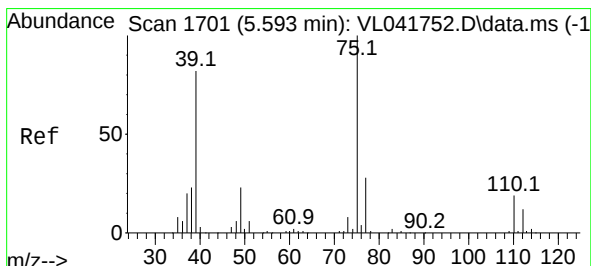
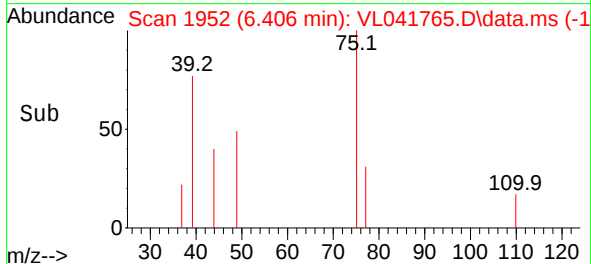
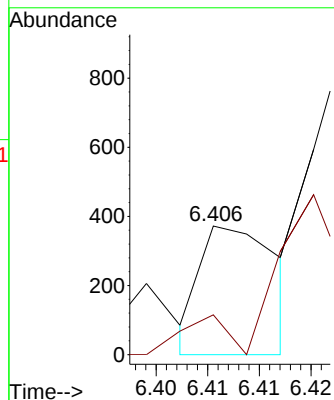
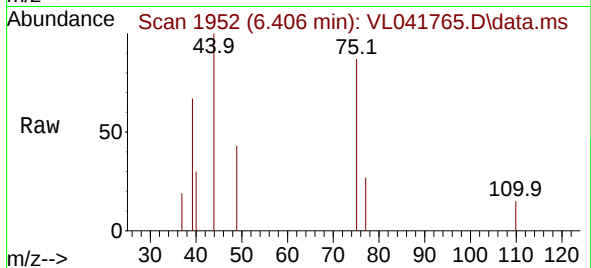
ClientSampleId :

Tgt Ion: 75 Resp: 195

Ion Ratio Lower Upper

75 100

77 30.9 25.9 38.9



#46

cis-1,3-Dichloropropene

Concen: 0.162 ppbv

RT: 5.616 min Scan# 1708

Delta R.T. 0.022 min

Lab File: VL041765.D

Acq: 16 Dec 2024 22:54

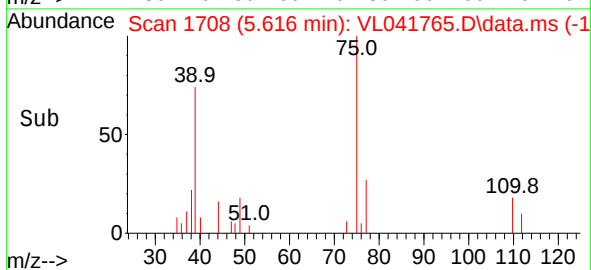
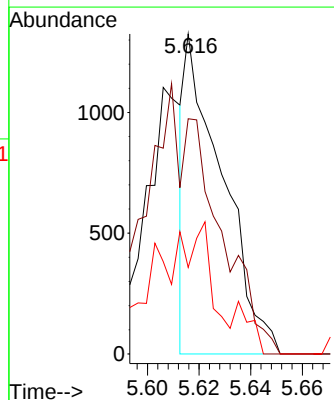
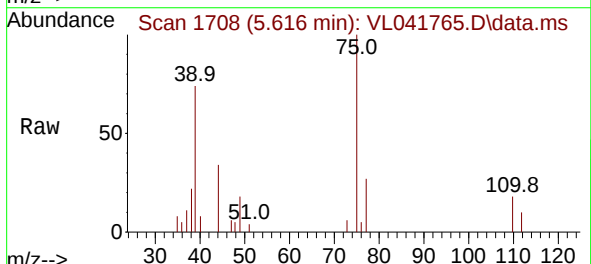
Tgt Ion: 75 Resp: 1324

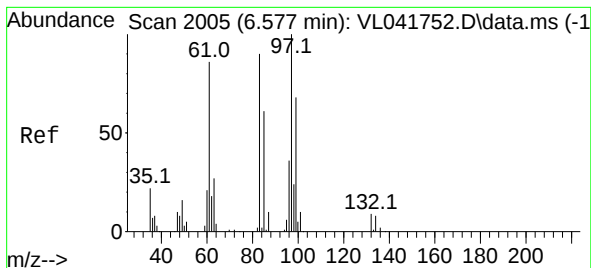
Ion Ratio Lower Upper

75 100

39 73.5 65.2 97.8

77 27.0 22.0 33.0





#47

1,1,2-Trichloroethane

Concen: 0.205 ppbv

RT: 6.590 min Scan# 2009

Delta R.T. 0.013 min

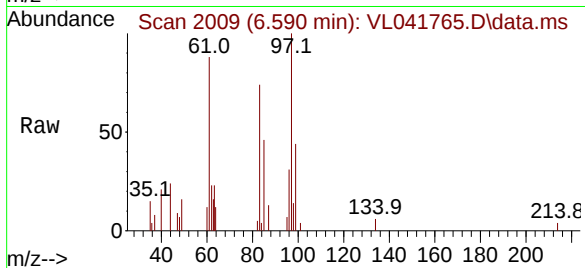
Lab File: VL041765.D

Acq: 16 Dec 2024 22:54

Instrument :

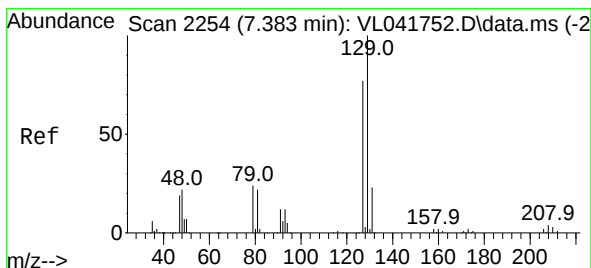
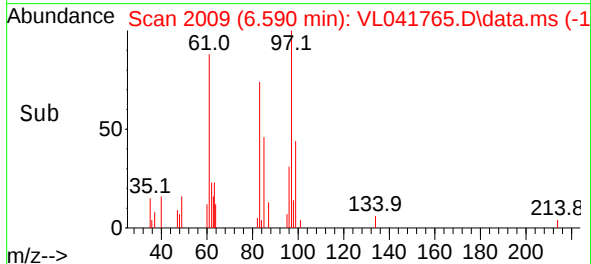
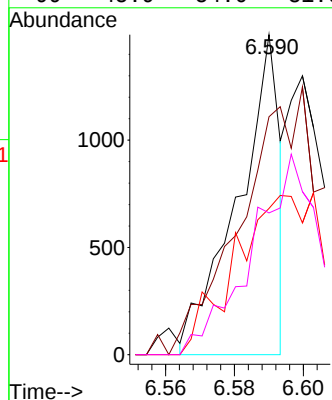
MSVOA_L

ClientSampleId :



Tgt Ion: 97 Resp: 1264

Ion	Ratio	Lower	Upper
97	100		
83	70.0	72.3	108.5#
85	47.4	48.5	72.7#
99	45.9	54.0	81.0#



#48

Dibromochloromethane

Concen: 0.145 ppbv

RT: 7.399 min Scan# 2259

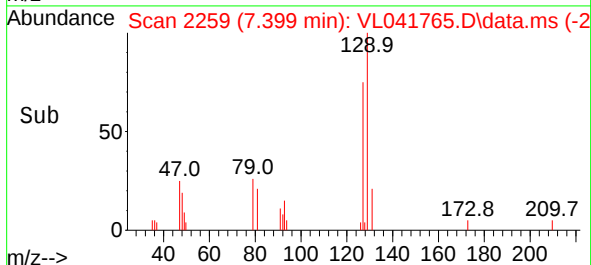
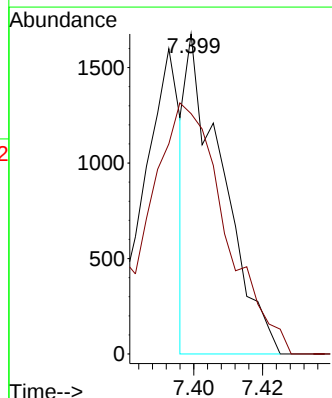
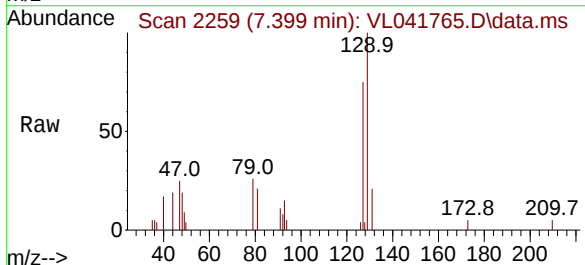
Delta R.T. 0.016 min

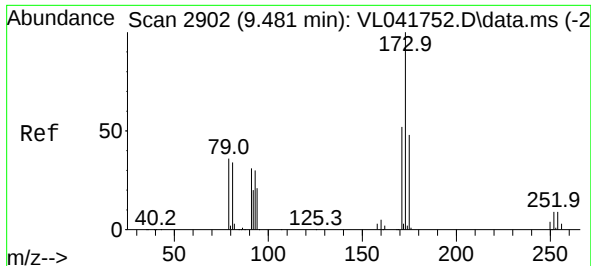
Lab File: VL041765.D

Acq: 16 Dec 2024 22:54

Tgt Ion: 129 Resp: 1223

Ion	Ratio	Lower	Upper
129	100		
127	174.2	38.8	116.3#





#49

Bromoform

Concen: 0.260 ppbv

RT: 9.490 min Scan# 20

Delta R.T. 0.009 min

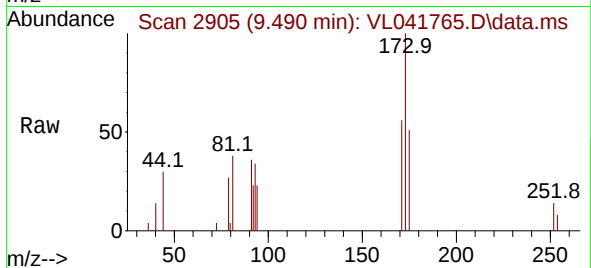
Lab File: VL041765.D

Acq: 16 Dec 2024 22:54

Instrument :

MSVOA_L

ClientSampleId :



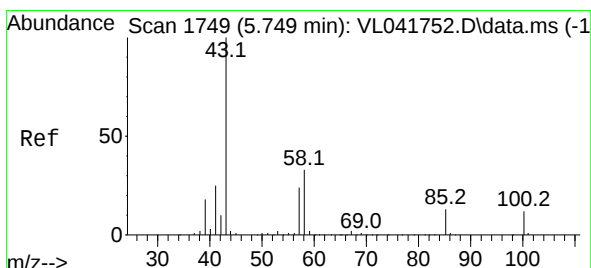
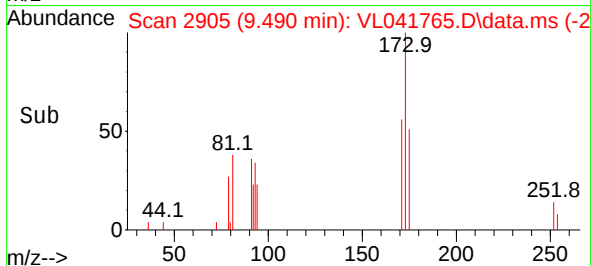
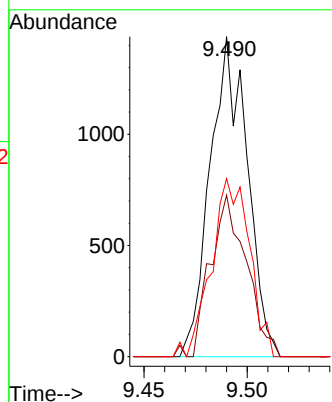
Tgt Ion:173 Resp: 1795

Ion Ratio Lower Upper

173 100

175 49.2 38.2 57.2

171 57.5 41.1 61.7



#50

4-Methyl-2-Pentanone

Concen: 0.035 ppbv

RT: 5.761 min Scan# 1753

Delta R.T. 0.013 min

Lab File: VL041765.D

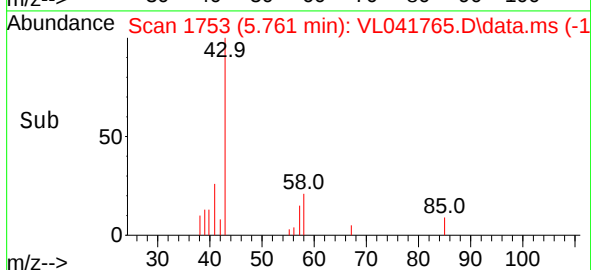
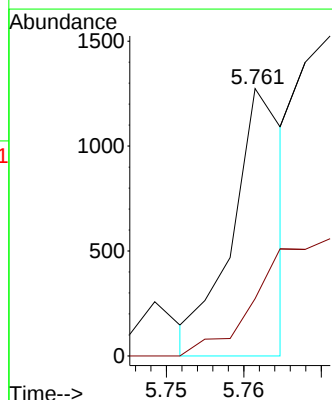
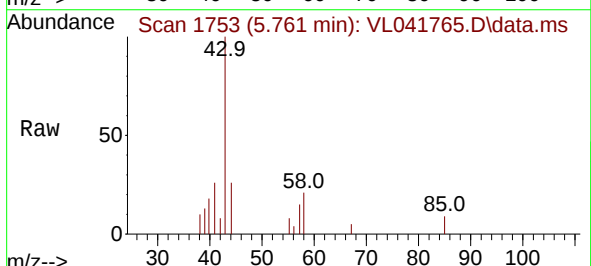
Acq: 16 Dec 2024 22:54

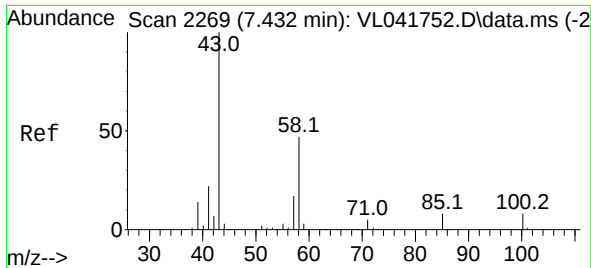
Tgt Ion: 43 Resp: 602

Ion Ratio Lower Upper

43 100

58 0.0 26.8 40.2#

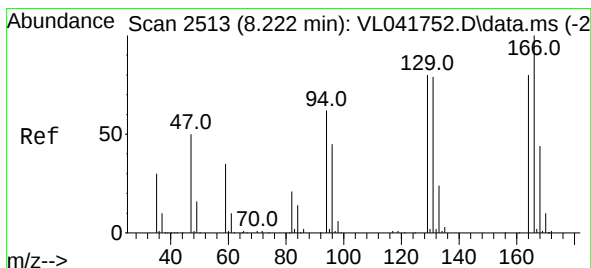
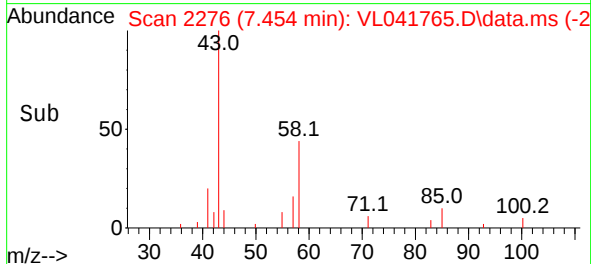
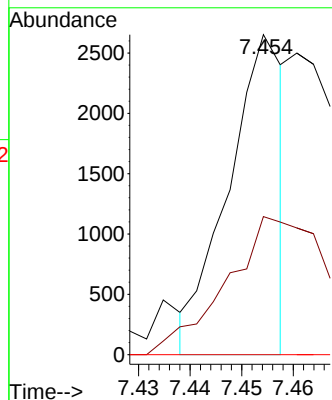
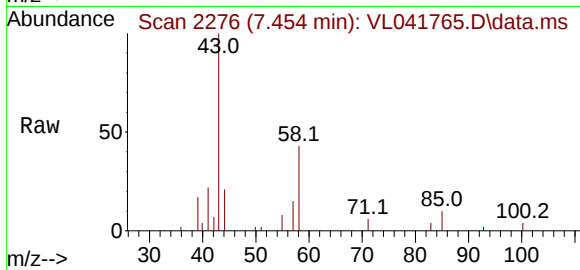




#51
2-Hexanone
Concen: 0.141 ppbv
RT: 7.454 min Scan# 21
Delta R.T. 0.022 min
Lab File: VL041765.D
Acq: 16 Dec 2024 22:54

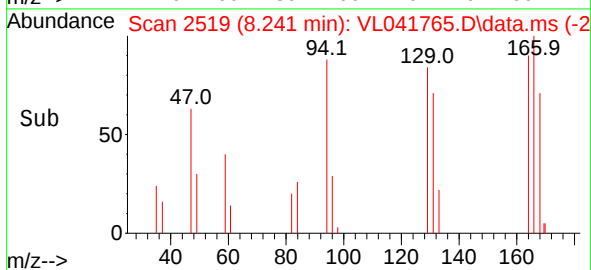
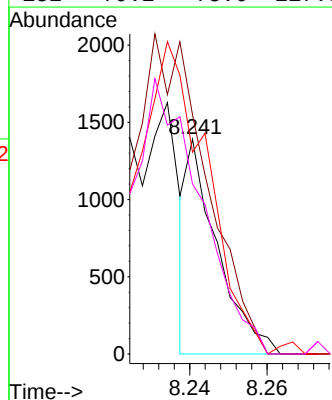
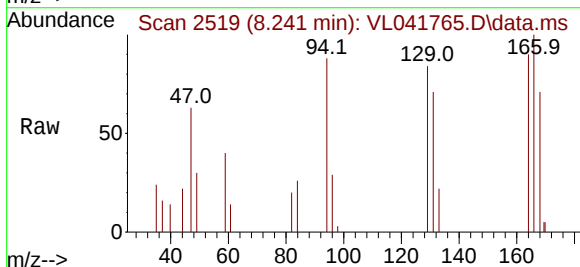
Instrument :
MSVOA_L
ClientSampleId :

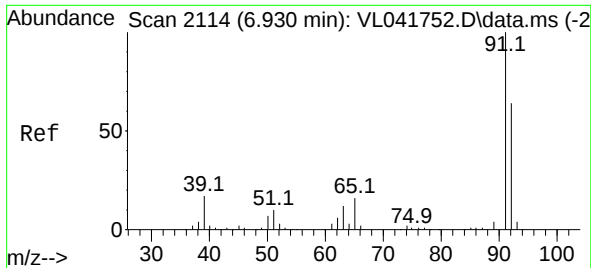
Tgt Ion: 43 Resp: 1969
Ion Ratio Lower Upper
43 100
58 100.6 36.6 55.0#
98 0.0 0.1 0.1#



#52
Tetrachloroethene
Concen: 0.125 ppbv
RT: 8.241 min Scan# 2519
Delta R.T. 0.019 min
Lab File: VL041765.D
Acq: 16 Dec 2024 22:54

Tgt Ion: 164 Resp: 760
Ion Ratio Lower Upper
164 100
166 111.4 99.8 149.6
129 90.4 79.6 119.4
131 79.2 78.6 117.8





#53

Toluene

Concen: 0.233 ppbv

RT: 6.943 min Scan# 2114

Delta R.T. 0.013 min

Lab File: VL041765.D

Acq: 16 Dec 2024 22:54

Instrument :

MSVOA_L

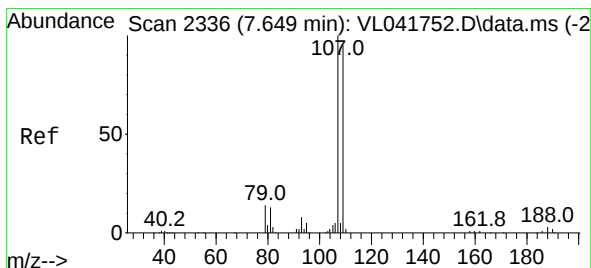
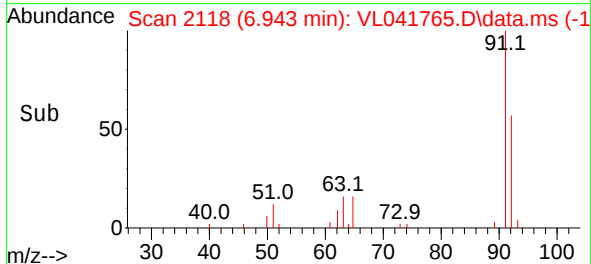
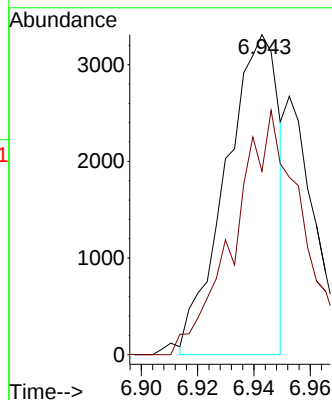
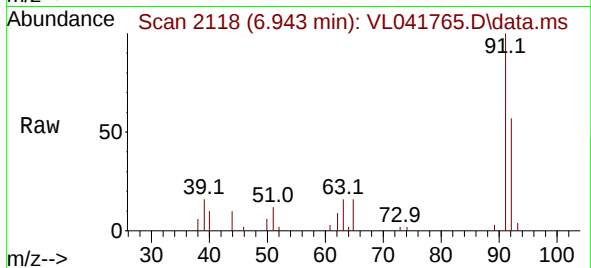
ClientSampleId :

Tgt Ion: 91 Resp: 4319

Ion Ratio Lower Upper

91 100

92 97.1 47.9 71.9#



#54

1,2-Dibromoethane

Concen: 0.303 ppbv

RT: 7.665 min Scan# 2341

Delta R.T. 0.016 min

Lab File: VL041765.D

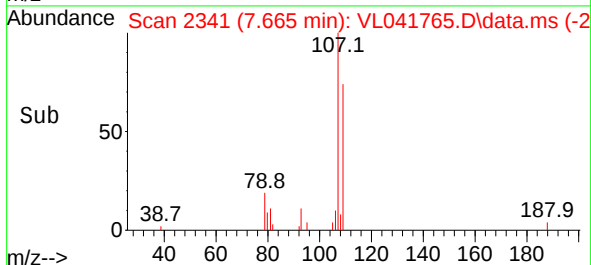
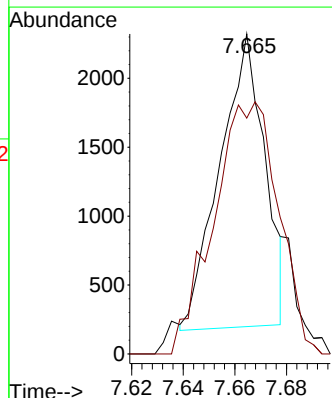
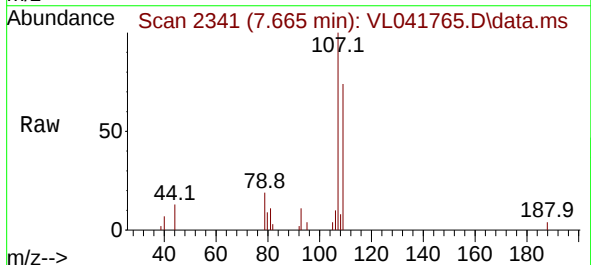
Acq: 16 Dec 2024 22:54

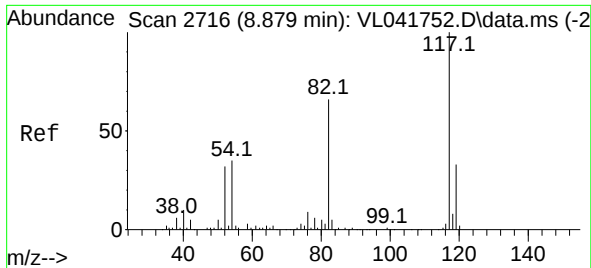
Tgt Ion:107 Resp: 2577

Ion Ratio Lower Upper

107 100

109 69.1 75.9 113.9#

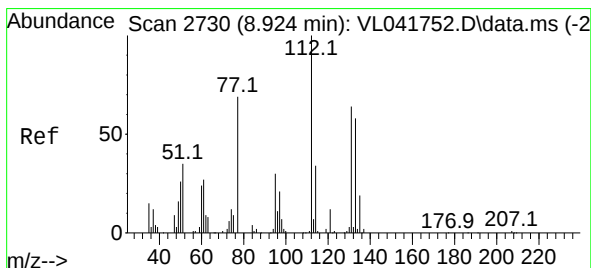
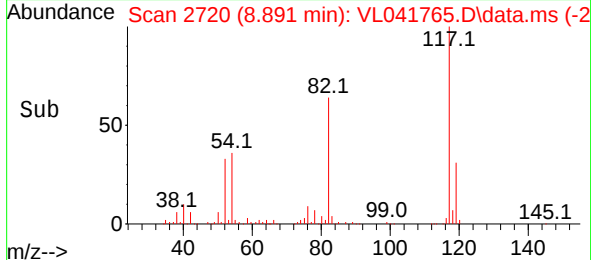
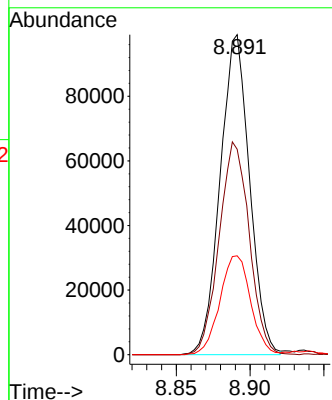
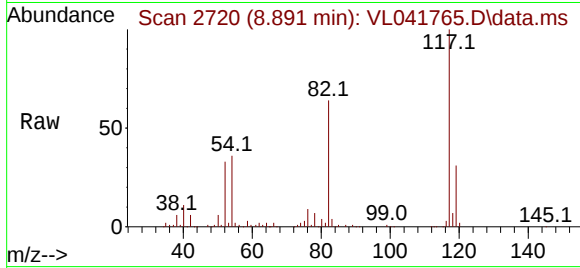




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.891 min Scan# 2716
Delta R.T. 0.013 min
Lab File: VL041765.D
Acq: 16 Dec 2024 22:54

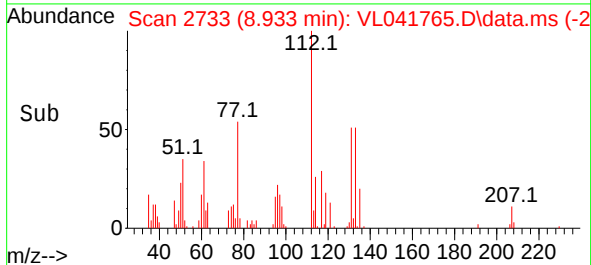
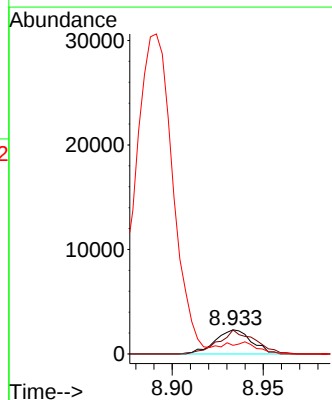
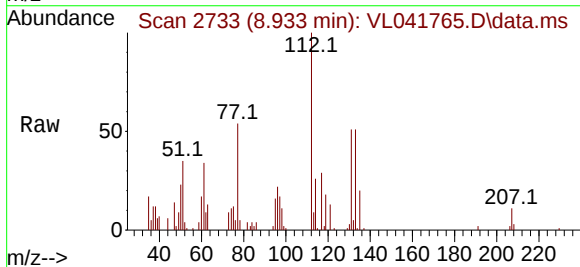
Instrument :
MSVOA_L
ClientSampleId :

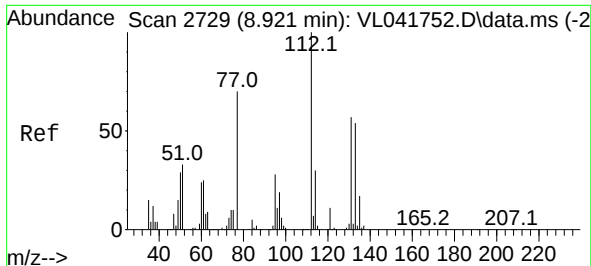
Tgt Ion:117 Resp: 137361
Ion Ratio Lower Upper
117 100
82 68.4 53.8 80.8
119 33.4 26.7 40.1



#56
1,1,1,2-Tetrachloroethane
Concen: 0.443 ppbv
RT: 8.933 min Scan# 2733
Delta R.T. 0.009 min
Lab File: VL041765.D
Acq: 16 Dec 2024 22:54

Tgt Ion:131 Resp: 3229
Ion Ratio Lower Upper
131 100
133 97.7 76.8 115.2
119 1422.6 49.0 73.6#





#57

Chlorobenzene

Concen: 0.456 ppbv

RT: 8.930 min Scan# 21

Delta R.T. 0.009 min

Lab File: VL041765.D

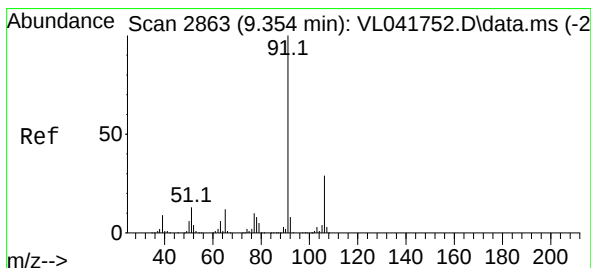
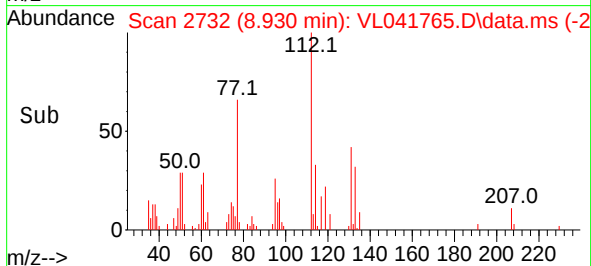
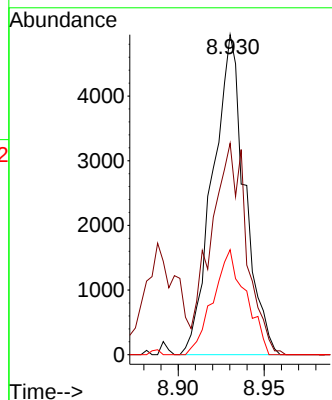
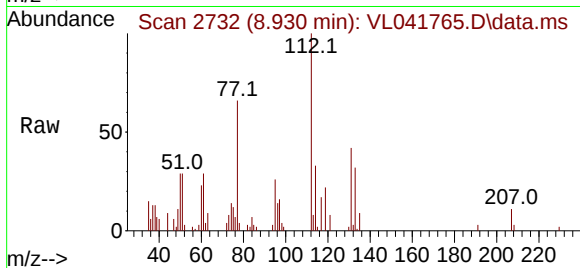
Acq: 16 Dec 2024 22:54

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:112	Resp:	6413
Ion Ratio	Lower	Upper
112	100	
77	64.9	57.4 86.0
114	32.8	27.4 33.4



#58

Ethyl Benzene

Concen: 0.367 ppbv

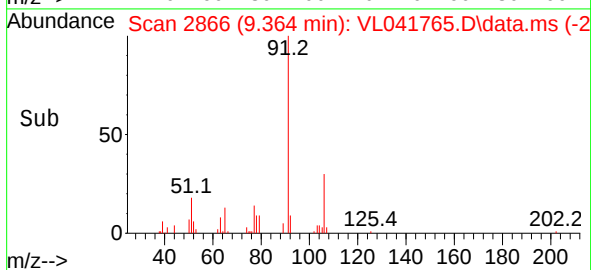
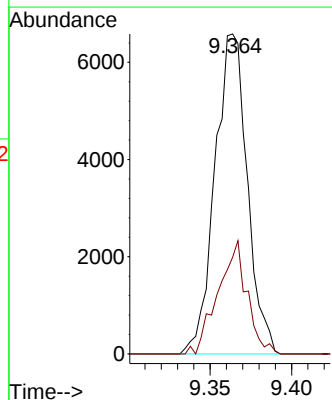
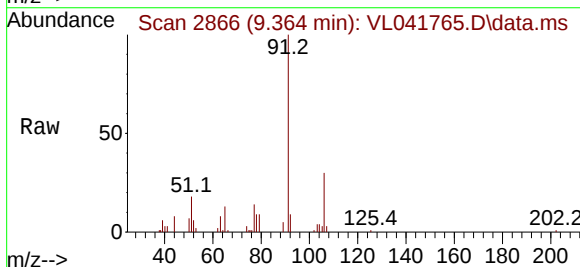
RT: 9.364 min Scan# 2866

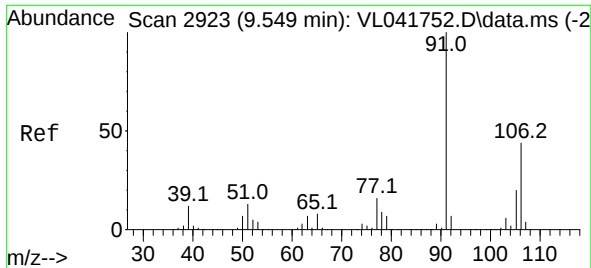
Delta R.T. 0.009 min

Lab File: VL041765.D

Acq: 16 Dec 2024 22:54

Tgt Ion: 91	Resp:	9087
Ion Ratio	Lower	Upper
91	100	
106	30.2	23.5 35.3





#59

m/p-Xylene

Concen: 0.433 ppbv

RT: 9.558 min Scan# 2923

Delta R.T. 0.009 min

Lab File: VL041765.D

Acq: 16 Dec 2024 22:54

Instrument :

MSVOA_L

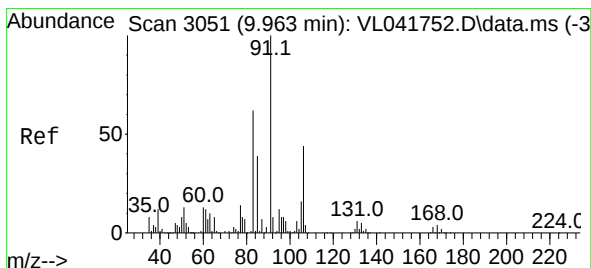
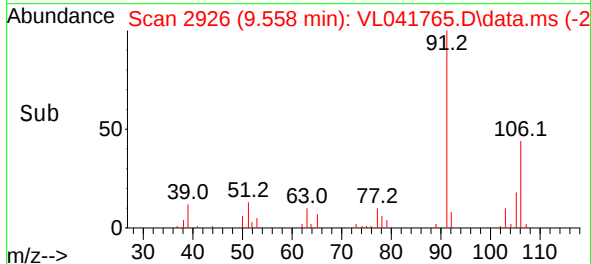
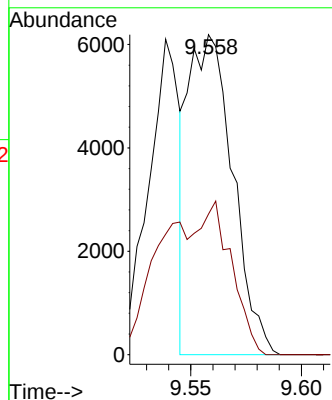
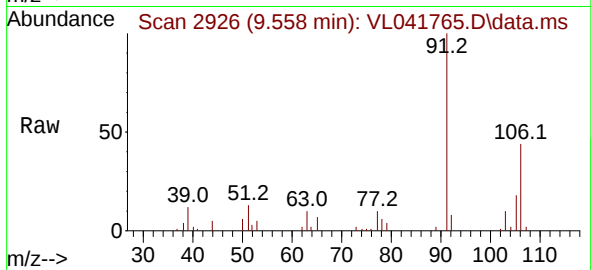
ClientSampleId :

Tgt Ion: 91 Resp: 8608

Ion Ratio Lower Upper

91 100

106 75.4 0.0 0.0#



#60

o-Xylene

Concen: 0.359 ppbv

RT: 9.972 min Scan# 3054

Delta R.T. 0.009 min

Lab File: VL041765.D

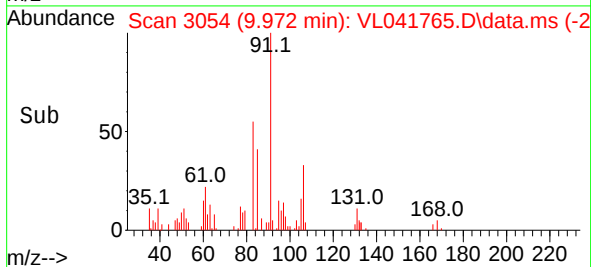
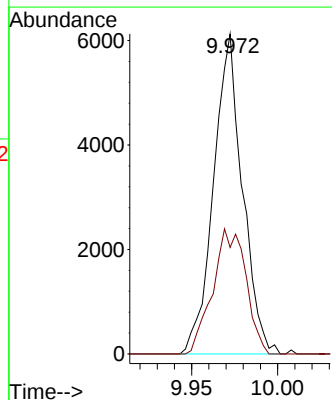
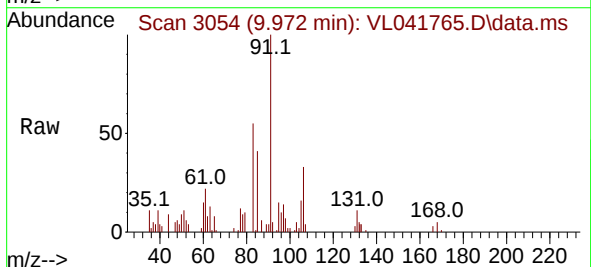
Acq: 16 Dec 2024 22:54

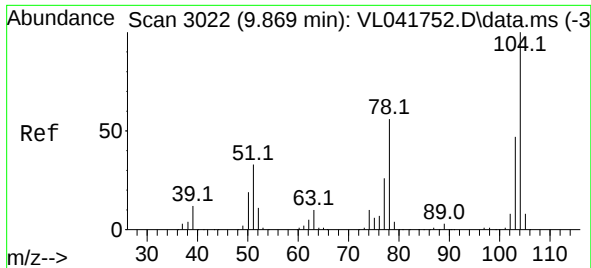
Tgt Ion: 91 Resp: 7155

Ion Ratio Lower Upper

91 100

106 44.9 21.1 63.4

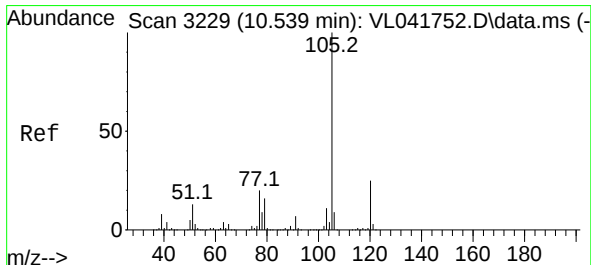
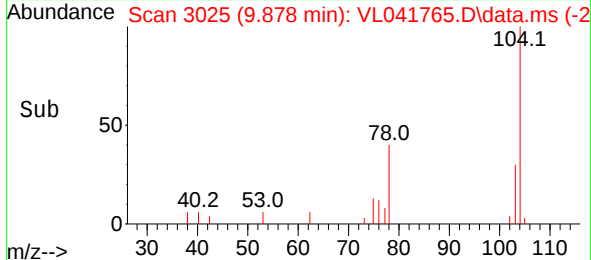
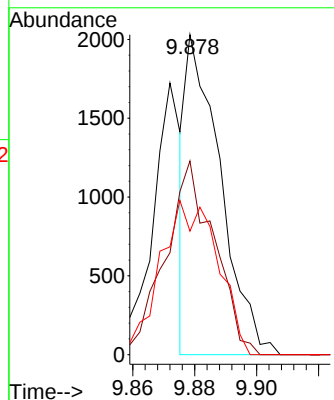
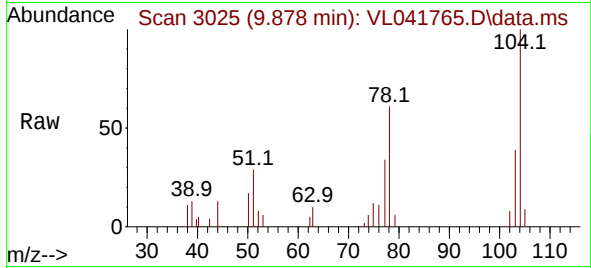




#61
Styrene
Concen: 0.181 ppbv
RT: 9.878 min Scan# 3022
Delta R.T. 0.009 min
Lab File: VL041765.D
Acq: 16 Dec 2024 22:54

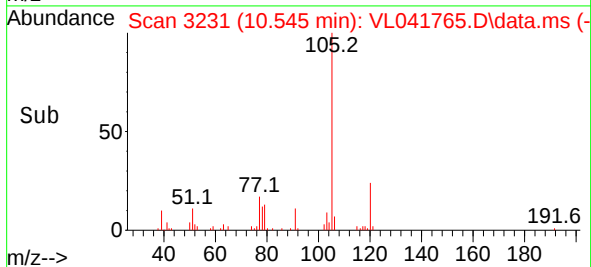
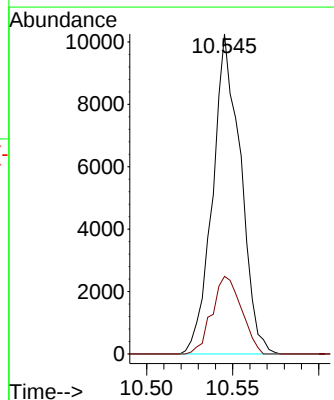
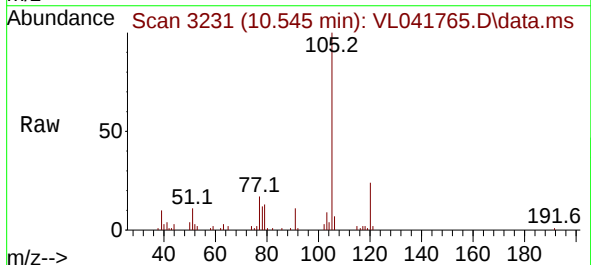
Instrument :
MSVOA_L
ClientSampleId :

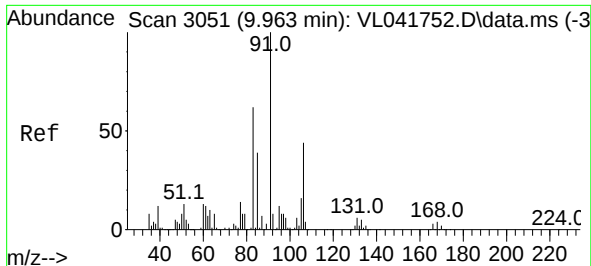
Tgt Ion:104 Resp: 1561
Ion Ratio Lower Upper
104 100
78 86.2 43.8 65.6#
103 80.3 37.8 56.6#



#62
Isopropylbenzene
Concen: 0.386 ppbv
RT: 10.545 min Scan# 3231
Delta R.T. 0.006 min
Lab File: VL041765.D
Acq: 16 Dec 2024 22:54

Tgt Ion:105 Resp: 11554
Ion Ratio Lower Upper
105 100
120 25.6 19.8 29.8





#63

1,1,2,2-Tetrachloroethane

Concen: 0.398 ppbv

RT: 9.969 min Scan# 3051

Delta R.T. 0.006 min

Lab File: VL041765.D

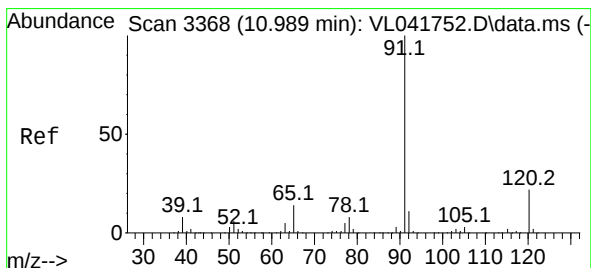
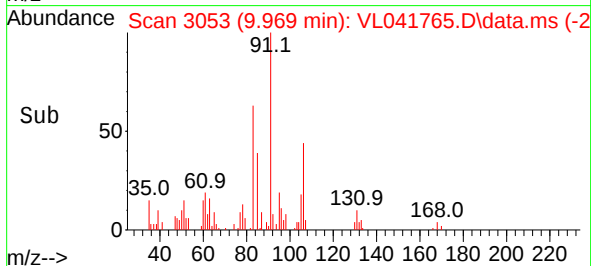
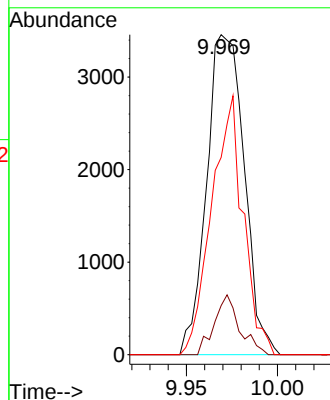
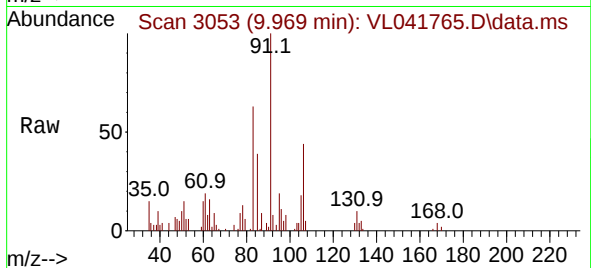
Acq: 16 Dec 2024 22:54

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:	83	Resp:	4963
Ion	Ratio	Lower	Upper
83	100		
131	12.5	4.9	14.7
85	67.9	32.0	96.2



#64

n-propylbenzene

Concen: 0.347 ppbv

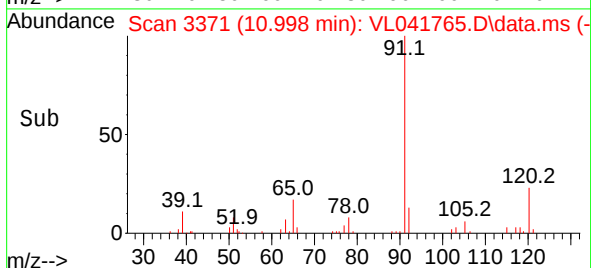
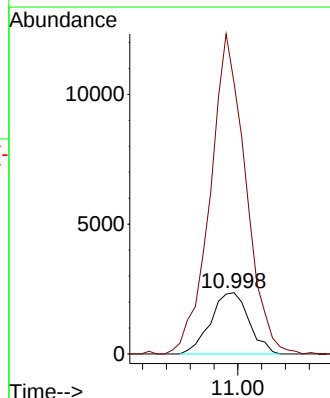
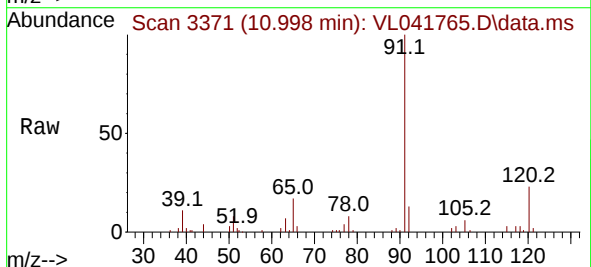
RT: 10.998 min Scan# 3371

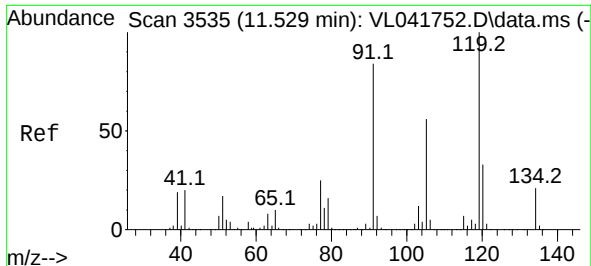
Delta R.T. 0.009 min

Lab File: VL041765.D

Acq: 16 Dec 2024 22:54

Tgt Ion:	120	Resp:	2627
Ion	Ratio	Lower	Upper
120	100		
91	486.9	387.3	580.9





#65

tert-Butylbenzene

Concen: 0.359 ppbv

RT: 11.539 min Scan# 3538

Delta R.T. 0.009 min

Lab File: VL041765.D

Acq: 16 Dec 2024 22:54

Instrument :

MSVOA_L

ClientSampleId :

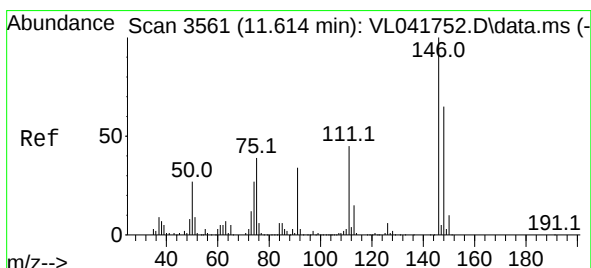
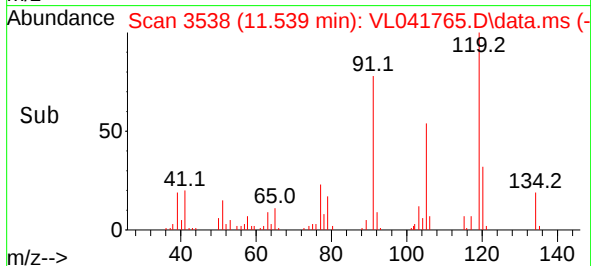
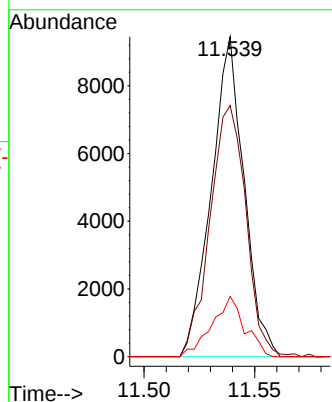
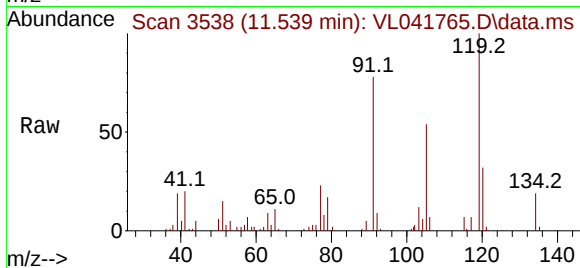
Tgt Ion:119 Resp: 9709

Ion Ratio Lower Upper

119 100

91 86.0 67.0 100.4

134 18.9 16.5 24.7



#66

Benzyl Chloride

Concen: 0.327 ppbv

RT: 11.620 min Scan# 3563

Delta R.T. 0.006 min

Lab File: VL041765.D

Acq: 16 Dec 2024 22:54

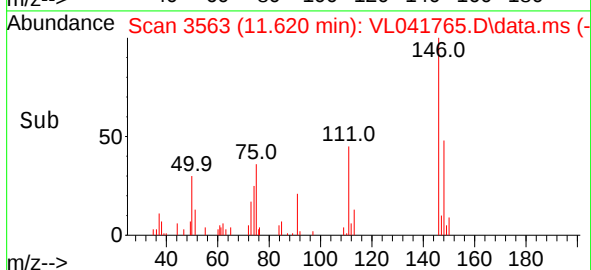
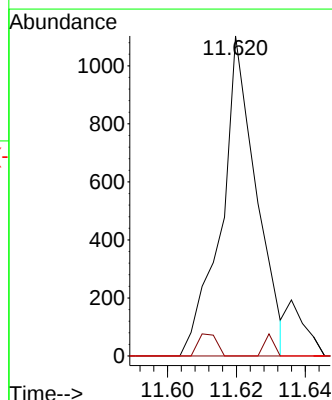
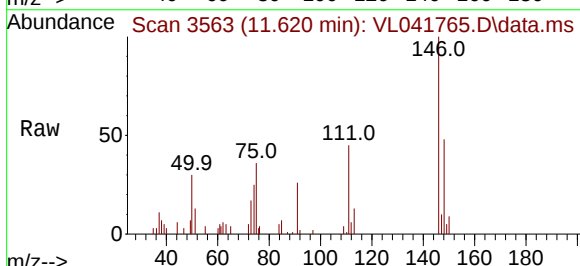
Tgt Ion: 91 Resp: 778

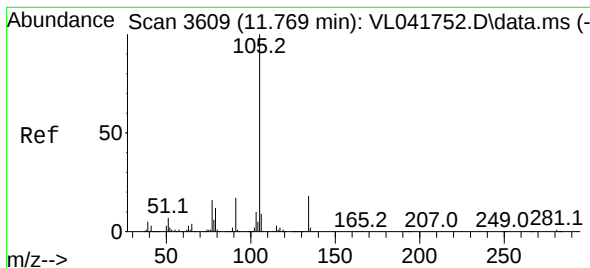
Ion Ratio Lower Upper

91 100

126 5.5 13.9 20.9#

128 1.5 4.4 6.6#





#67

sec-Butylbenzene

Concen: 0.355 ppbv

RT: 11.775 min Scan# 3611

Delta R.T. 0.006 min

Lab File: VL041765.D

Acq: 16 Dec 2024 22:54

Instrument :

MSVOA_L

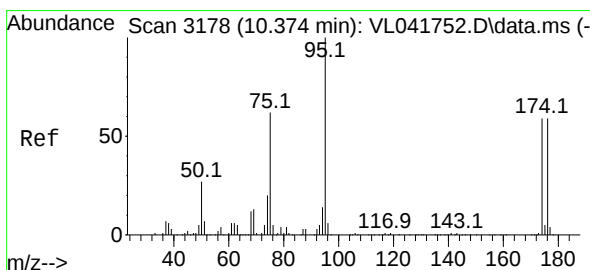
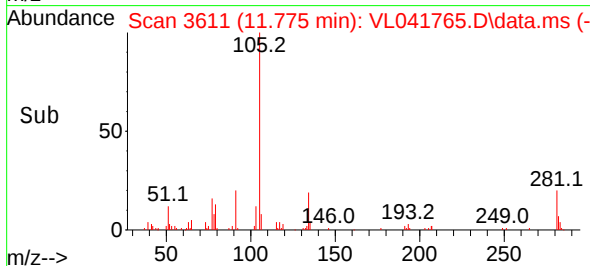
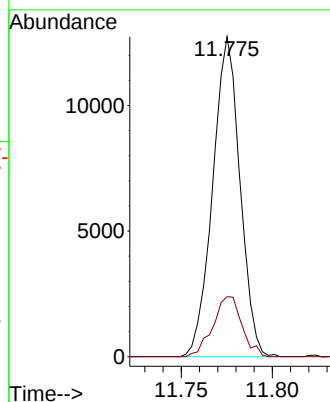
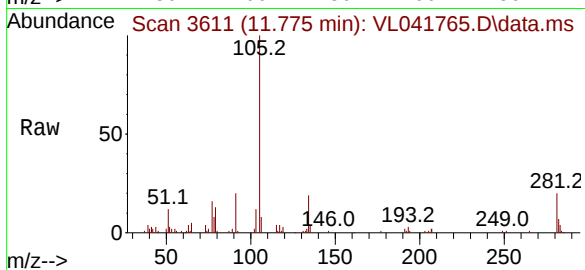
ClientSampleId :

Tgt Ion:105 Resp: 13267

Ion Ratio Lower Upper

105 100

134 19.9 14.5 21.7



#68

1-Bromo-4-Fluorobenzene

Concen: 10.088 ppbv

RT: 10.383 min Scan# 3181

Delta R.T. 0.009 min

Lab File: VL041765.D

Acq: 16 Dec 2024 22:54

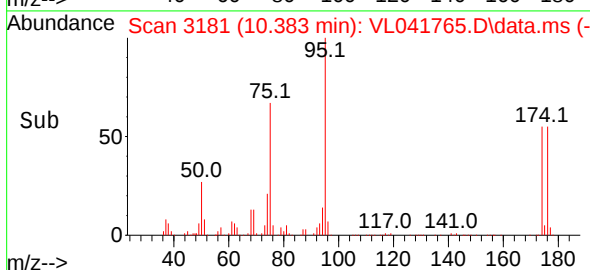
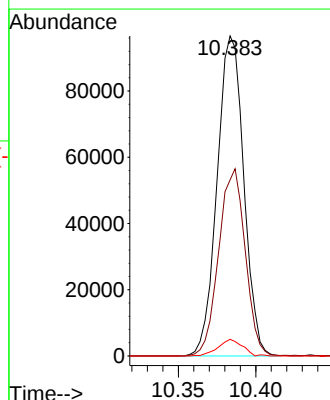
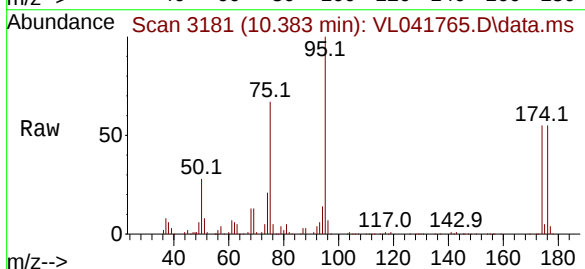
Tgt Ion: 95 Resp: 115468

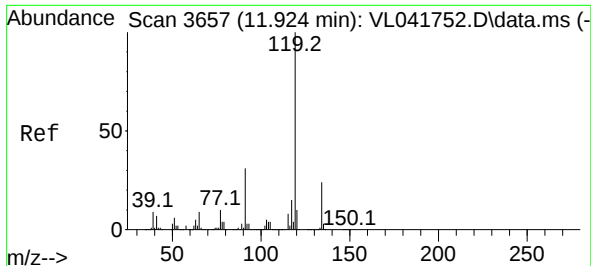
Ion Ratio Lower Upper

95 100

174 58.2 47.6 71.4

175 4.8 3.7 5.5





#69

p-Isopropyltoluene

Concen: 0.332 ppbv

RT: 11.934 min Scan# 3

Delta R.T. 0.009 min

Lab File: VL041765.D

Acq: 16 Dec 2024 22:54

Instrument :

MSVOA_L

ClientSampleId :

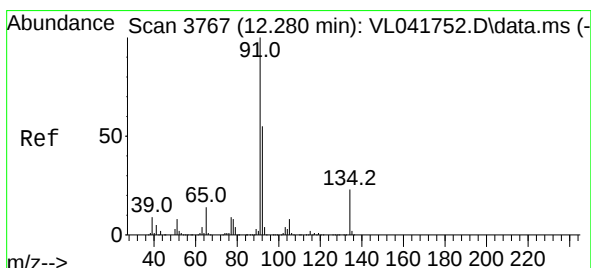
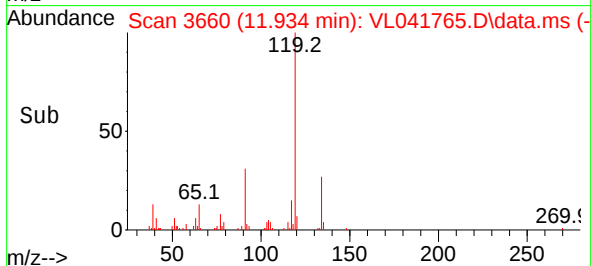
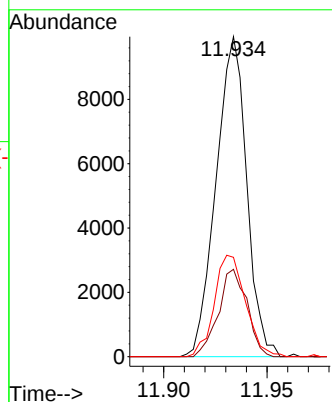
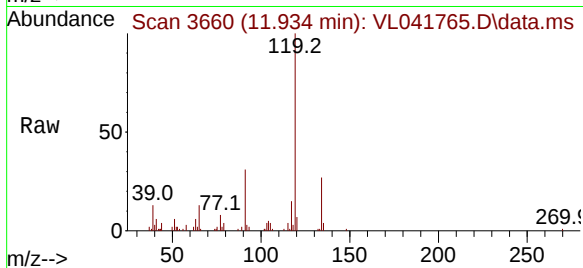
Tgt Ion:119 Resp: 10249

Ion Ratio Lower Upper

119 100

134 25.5 19.6 29.4

91 32.5 24.4 36.6



#70

n-Butylbenzene

Concen: 0.322 ppbv

RT: 12.287 min Scan# 3769

Delta R.T. 0.006 min

Lab File: VL041765.D

Acq: 16 Dec 2024 22:54

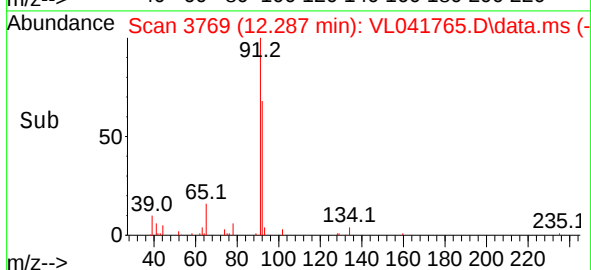
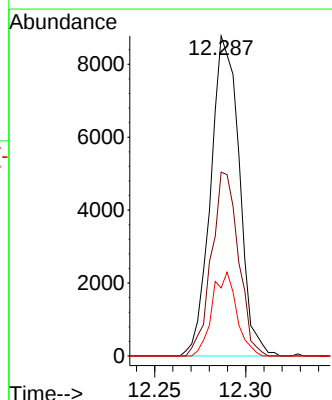
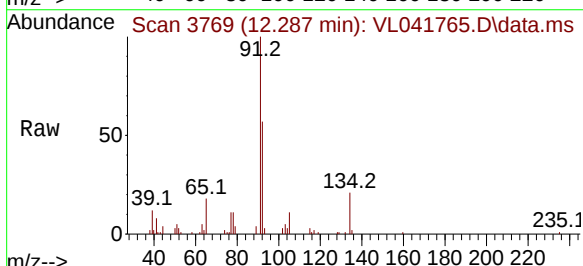
Tgt Ion: 91 Resp: 9580

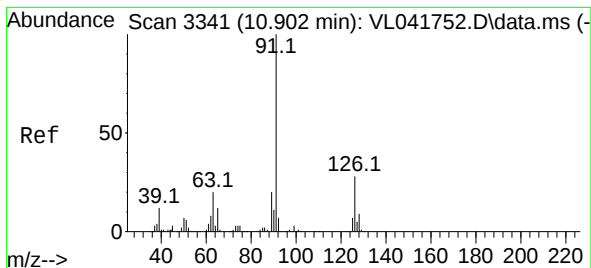
Ion Ratio Lower Upper

91 100

92 54.2 43.2 64.8

134 22.4 18.2 27.4





#71

2-Chlorotoluene

Concen: 0.374 ppbv

RT: 10.908 min Scan# 3412

Delta R.T. 0.006 min

Lab File: VL041765.D

Acq: 16 Dec 2024 22:54

Instrument :

MSVOA_L

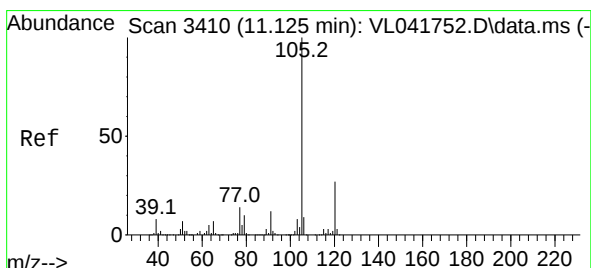
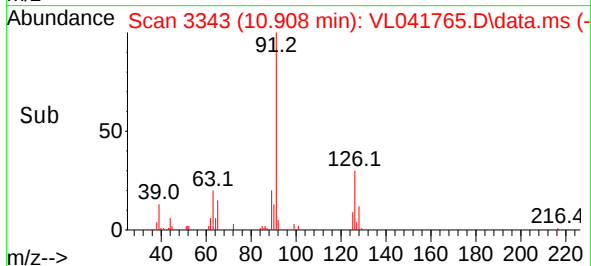
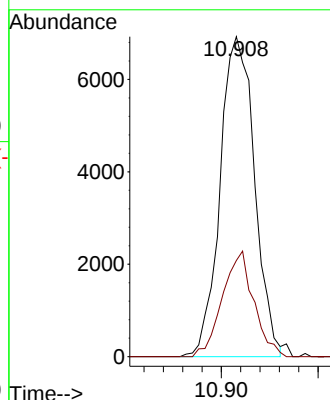
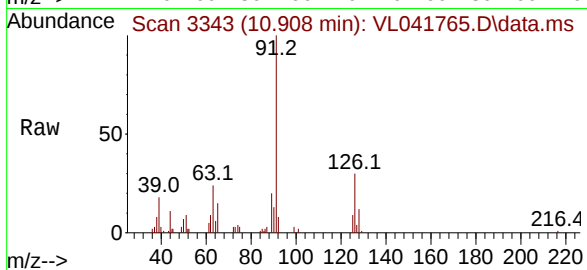
ClientSampleId :

Tgt Ion: 91 Resp: 8553

Ion Ratio Lower Upper

91 100

126 30.0 11.6 46.4



#72

4-Ethyltoluene

Concen: 0.352 ppbv

RT: 11.131 min Scan# 3412

Delta R.T. 0.006 min

Lab File: VL041765.D

Acq: 16 Dec 2024 22:54

Tgt Ion:105 Resp: 8290

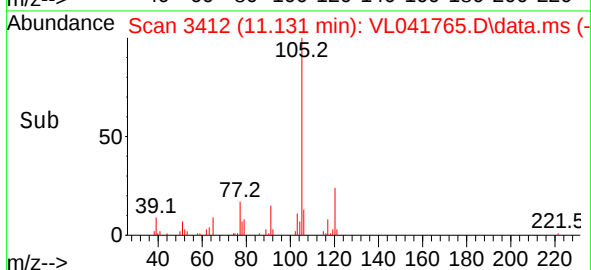
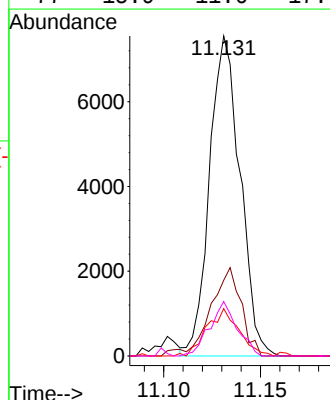
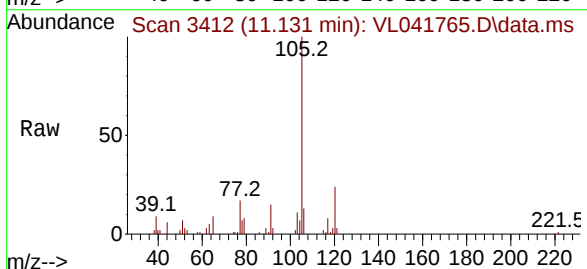
Ion Ratio Lower Upper

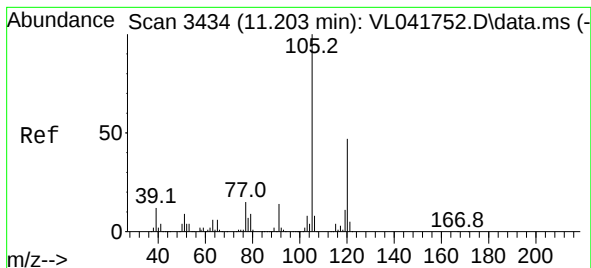
105 100

120 27.8 23.3 34.9

91 15.9 10.9 16.3

77 15.9 11.6 17.4





#73

1,3,5-Trimethylbenzene

Concen: 0.355 ppbv

RT: 11.209 min Scan# 3434

Delta R.T. 0.006 min

Lab File: VL041765.D

Acq: 16 Dec 2024 22:54

Instrument :

MSVOA_L

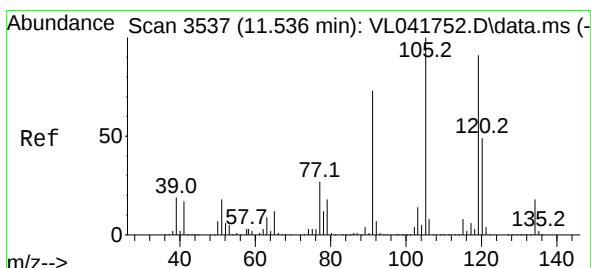
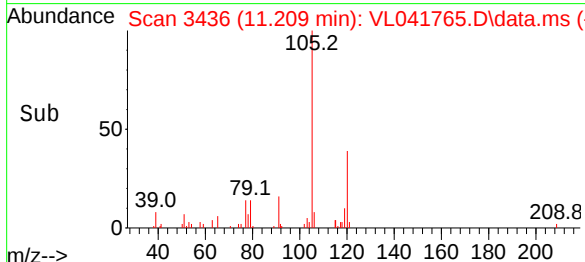
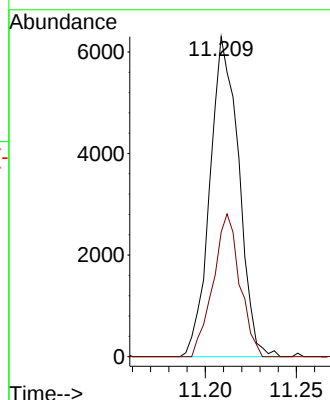
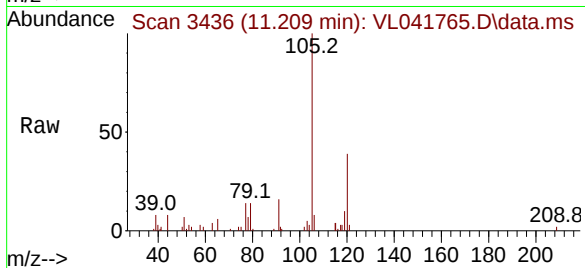
ClientSampleId :

Tgt Ion:105 Resp: 6923

Ion Ratio Lower Upper

105 100

120 38.9 37.4 56.2



#74

1,2,4-Trimethylbenzene

Concen: 0.326 ppbv

RT: 11.542 min Scan# 3539

Delta R.T. 0.006 min

Lab File: VL041765.D

Acq: 16 Dec 2024 22:54

Tgt Ion:105 Resp: 6854

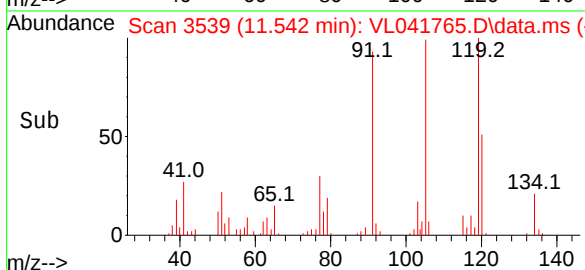
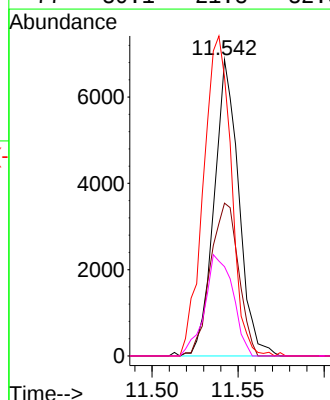
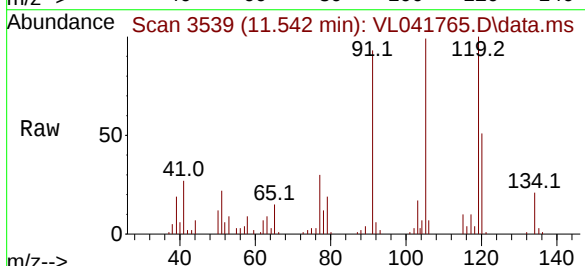
Ion Ratio Lower Upper

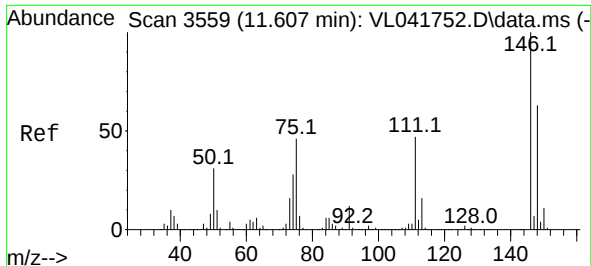
105 100

120 51.6 39.0 58.4

91 94.2 58.1 87.1#

77 30.1 21.8 32.8





#75

1,3-Dichlorobenzene

Concen: 0.445 ppbv

RT: 11.613 min Scan# 3561

Delta R.T. 0.006 min

Lab File: VL041765.D

Acq: 16 Dec 2024 22:54

Instrument :

MSVOA_L

ClientSampleId :

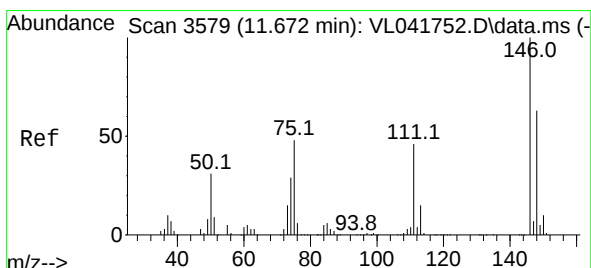
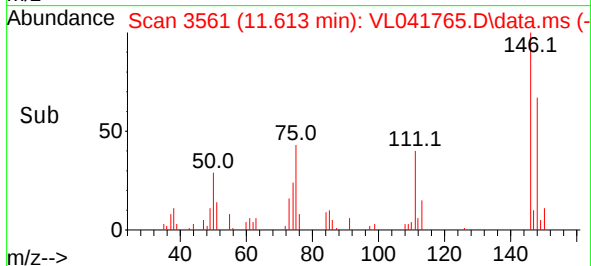
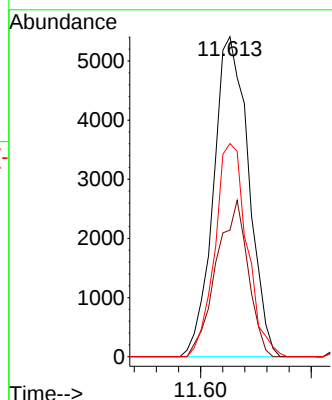
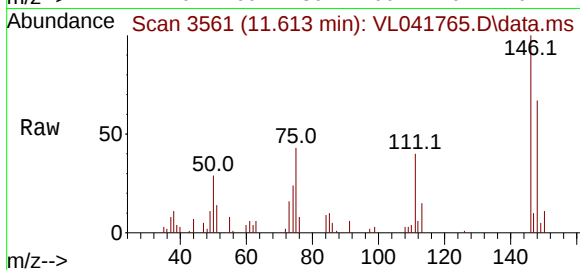
Tgt Ion:146 Resp: 5957

Ion Ratio Lower Upper

146 100

111 44.2 23.4 70.3

148 61.1 31.6 95.0



#76

1,4-Dichlorobenzene

Concen: 0.415 ppbv

RT: 11.678 min Scan# 3581

Delta R.T. 0.006 min

Lab File: VL041765.D

Acq: 16 Dec 2024 22:54

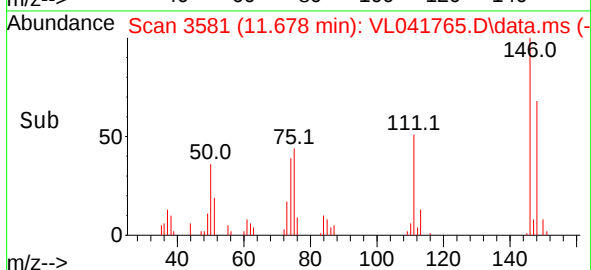
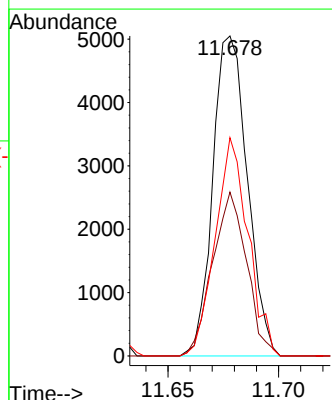
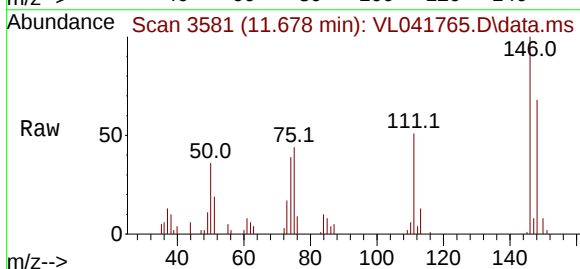
Tgt Ion:146 Resp: 5484

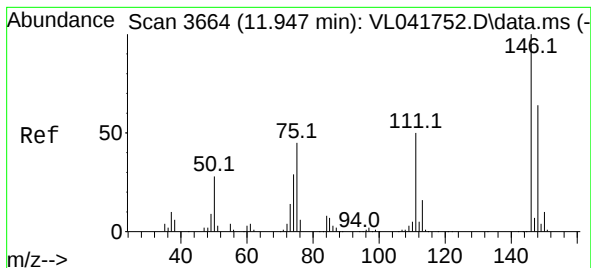
Ion Ratio Lower Upper

146 100

111 50.5 22.7 68.1

148 65.0 31.4 94.0





#77

1,2-Dichlorobenzene

Concen: 0.401 ppbv

RT: 11.953 min Scan# 3

Delta R.T. 0.006 min

Lab File: VL041765.D

Acq: 16 Dec 2024 22:54

Instrument :

MSVOA_L

ClientSampleId :

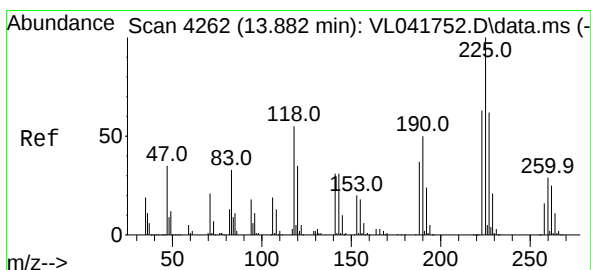
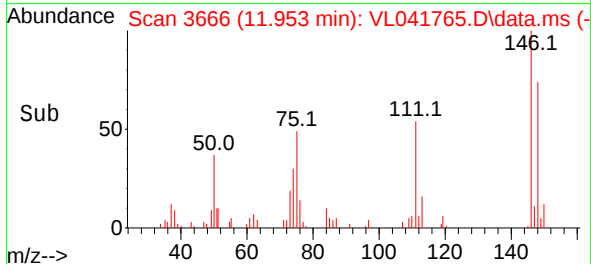
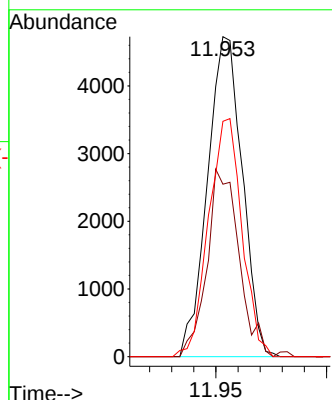
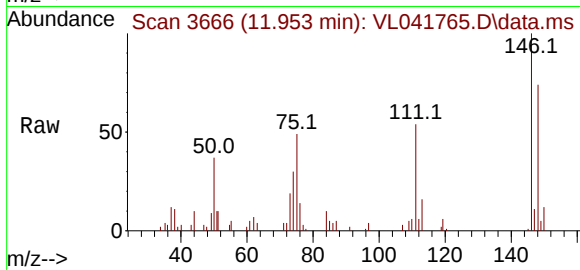
Tgt Ion:146 Resp: 5172

Ion Ratio Lower Upper

146 100

111 54.2 24.8 74.3

148 71.3 31.8 95.4



#78

Hexachloro-1,3-Butadiene

Concen: 0.438 ppbv

RT: 13.889 min Scan# 4264

Delta R.T. 0.006 min

Lab File: VL041765.D

Acq: 16 Dec 2024 22:54

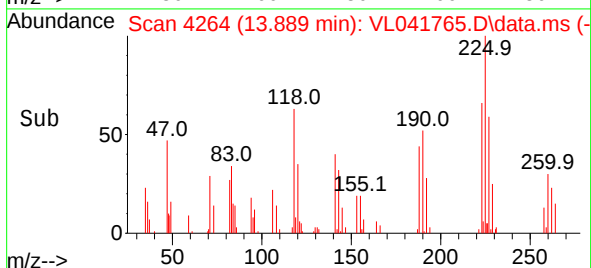
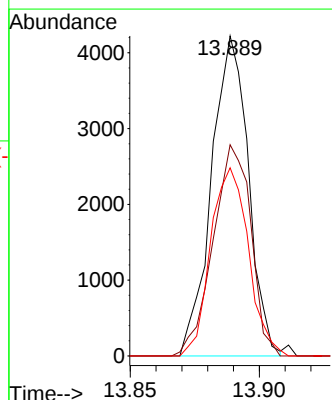
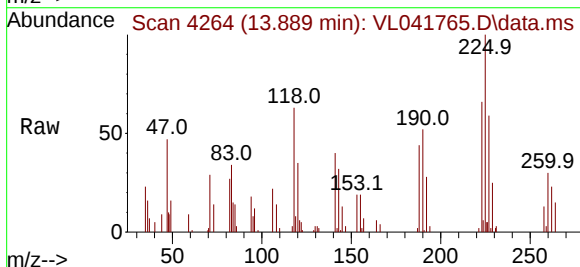
Tgt Ion:225 Resp: 4188

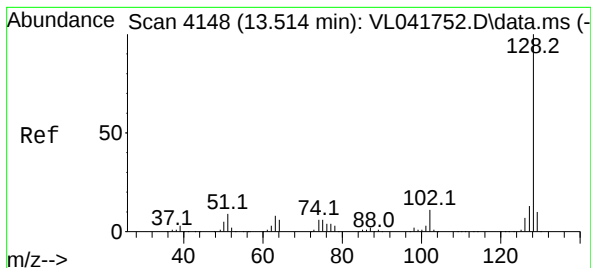
Ion Ratio Lower Upper

225 100

223 67.7 50.5 75.7

227 60.4 50.3 75.5





#79

Naphthalene

Concen: 0.236 ppbv

RT: 13.520 min Scan# 41

Delta R.T. 0.006 min

Lab File: VL041765.D

Acq: 16 Dec 2024 22:54

Instrument :

MSVOA_L

ClientSampleId :

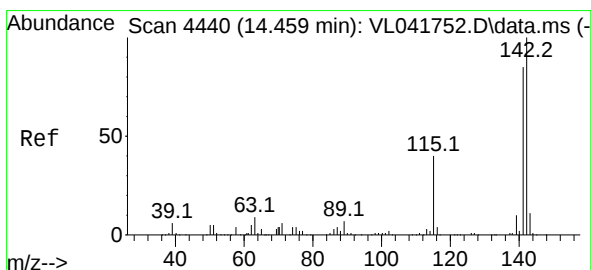
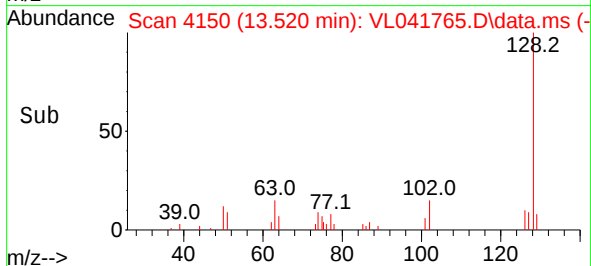
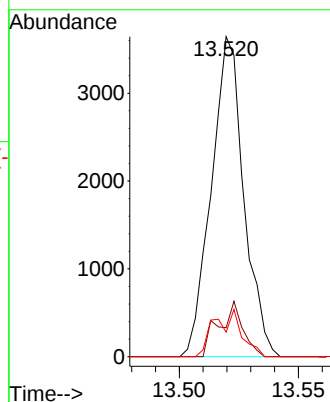
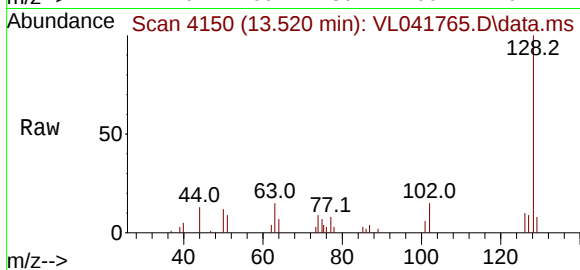
Tgt Ion:128 Resp: 3451

Ion Ratio Lower Upper

128 100

127 9.1 10.7 16.1#

129 7.7 8.2 12.4#



#80

Naphthalene,2-methyl-

Concen: 0.076 ppbv

RT: 14.471 min Scan# 4444

Delta R.T. 0.013 min

Lab File: VL041765.D

Acq: 16 Dec 2024 22:54

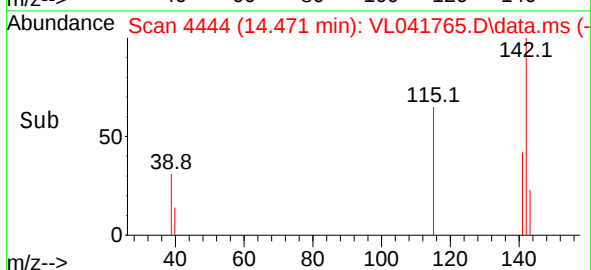
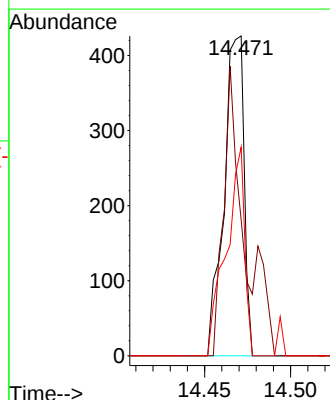
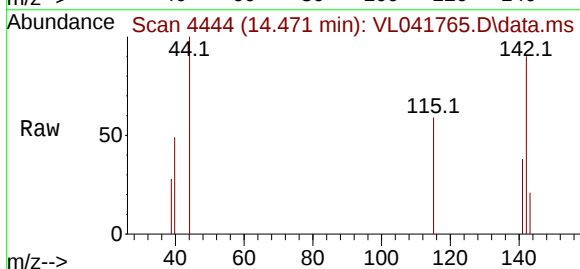
Tgt Ion:142 Resp: 346

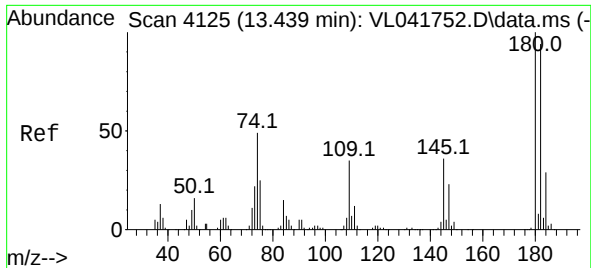
Ion Ratio Lower Upper

142 100

141 93.4 68.4 102.6

115 63.0 32.5 48.7#





#81

1,2,4-Trichlorobenzene

Concen: 0.302 ppbv

RT: 13.448 min Scan# 41

Delta R.T. 0.009 min

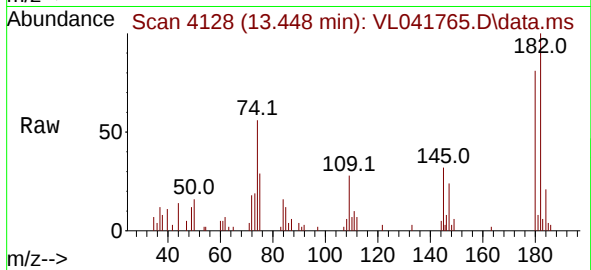
Lab File: VL041765.D

Acq: 16 Dec 2024 22:54

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion:180 Resp: 2417

Ion Ratio Lower Upper

180 100

182 105.0 77.0 115.6

184 33.2 23.8 35.8

