

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121624\
 Data File : VL041764.D
 Acq On : 16 Dec 2024 22:23
 Operator : SY/MD
 Sample : MDL 0.4
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL 0.4

Quant Time: Dec 20 03:32:15 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	2.790	49	59566	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	158238	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	139548	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	116542	10.022	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.200%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	5185	0.489	ppbv	94
3) Chlorodifluoromethane	1.476	51	4464	0.460	ppbv	99
4) Chloromethane	1.534	50	2077	0.501	ppbv	90
5) Vinyl Chloride	1.580	62	1877	0.449	ppbv	90
6) Bromomethane	1.667	94	1036	0.525	ppbv	81
7) Chloroethane	1.706	64	777	0.479	ppbv #	79
8) Dichlorotetrafluoroethane	1.554	85	4435	0.468	ppbv	97
9) Propene	1.483	41	1719	0.408	ppbv #	75
10) Heptane	4.985	43	2812	0.260	ppbv #	29
11) Trichlorofluoromethane	1.881	101	5226	0.464	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.143	101	3749	0.438	ppbv	99
13) Ethanol	1.722	45	281	0.806	ppbv	80
14) Bromoethene	1.780	108	1223	0.423	ppbv #	94
15) Acetone	1.839	43	6343	0.547	ppbv	97
16) 1,3-Butadiene	1.609	39	2223	0.487	ppbv	93
17) tert-Butyl alcohol	2.046	59	5035	0.438	ppbv	96
18) 1,1-Dichloroethene	2.343	96	1756	0.489	ppbv	82
19) Isopropyl Alcohol	1.887	45	4437	0.638	ppbv #	39
20) Methylene Chloride	2.062	84	1708	0.517	ppbv	87
21) Allyl Chloride	2.098	41	2514	0.400	ppbv	87
22) trans-1,2-Dichloroethene	2.343	96	1756	0.427	ppbv	95
23) Vinyl Acetate	2.463	43	1708	0.317	ppbv #	77
24) 1,1-Dichloroethane	2.408	63	3973	0.478	ppbv	97
25) Ethyl Acetate	2.842	43	8884	0.412	ppbv #	97
26) Hexane	2.829	57	3316	0.405	ppbv	96
27) Carbon Disulfide	2.153	76	2101	0.285	ppbv #	1
28) Methyl tert-Butyl Ether	2.447	73	2568	0.387	ppbv #	85
29) Chloroform	2.852	83	5468	0.439	ppbv	89
30) Cyclohexane	3.861	84	1877	0.270	ppbv #	39
31) cis-1,2-Dichloroethene	2.343	61	3396	0.402	ppbv	94
32) 1,1,1-Trichloroethane	3.376	97	5251	0.414	ppbv	97
34) 2-Butanone	2.564	43	5547	0.436	ppbv	98
35) Carbon Tetrachloride	3.764	117	2041	0.182	ppbv #	81
36) Benzene	3.664	78	6743	0.412	ppbv	99
37) 1,2-Dichloroethane	3.221	62	4949	0.486	ppbv	100
38) Trichloroethene	4.551	130	1964	0.283	ppbv #	83
39) 1,2-Dichloropropane	4.321	63	1878	0.317	ppbv	86
40) 1,4-Dioxane	4.606	88	272	0.094	ppbv #	20
41) Tetrahydrofuran	3.072	42	2817	0.395	ppbv	97
42) Bromodichloromethane	4.493	83	4041	0.345	ppbv #	94
43) Methyl Methacrylate	4.881	69	712	0.114	ppbv #	1
44) 2,2,4-Trimethylpentane	4.641	57	11058	0.396	ppbv	95
45) t-1,3-Dichloropropene	6.422	75	1204	0.187	ppbv	91

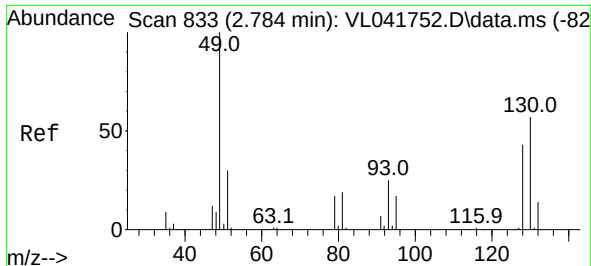
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121624\
 Data File : VL041764.D
 Acq On : 16 Dec 2024 22:23
 Operator : SY/MD
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Instrument :
 MSVOA_L
 ClientSampleId :
 MDL 0.4

Quant Time: Dec 20 03:32:15 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	5.600	75	1477	0.180	ppbv #	83
47) 1,1,2-Trichloroethane	6.590	97	1564	0.253	ppbv #	84
48) Dibromochloromethane	7.396	129	2374	0.281	ppbv	98
49) Bromoform	9.490	173	1074	0.155	ppbv #	38
50) 4-Methyl-2-Pentanone	5.774	43	3371	0.194	ppbv #	51
51) 2-Hexanone	7.451	43	2733	0.195	ppbv #	50
52) Tetrachloroethene	8.231	164	2160	0.355	ppbv #	87
53) Toluene	6.946	91	4397	0.237	ppbv #	21
54) 1,2-Dibromoethane	7.655	107	1635	0.192	ppbv	87
56) 1,1,1,2-Tetrachloroethane	8.930	131	2906	0.393	ppbv #	1
57) Chlorobenzene	8.924	112	6373	0.446	ppbv #	92
58) Ethyl Benzene	9.364	91	8868	0.353	ppbv	100
59) m/p-Xylene	9.558	91	7238	0.358	ppbv #	100
60) o-Xylene	9.972	91	7499	0.370	ppbv	97
61) Styrene	9.875	104	2508	0.286	ppbv	90
62) Isopropylbenzene	10.545	105	11386	0.374	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.972	83	5129	0.404	ppbv	99
64) n-propylbenzene	10.992	120	2900	0.377	ppbv	89
65) tert-Butylbenzene	11.536	119	9394	0.342	ppbv	95
66) Benzyl Chloride	11.620	91	760	0.314	ppbv #	83
67) sec-Butylbenzene	11.772	105	13746	0.362	ppbv	94
69) p-Isopropyltoluene	11.934	119	10417	0.333	ppbv	98
70) n-Butylbenzene	12.286	91	9906	0.327	ppbv	94
71) 2-Chlorotoluene	10.908	91	8338	0.359	ppbv	99
72) 4-Ethyltoluene	11.131	105	7801	0.326	ppbv	99
73) 1,3,5-Trimethylbenzene	11.209	105	6852	0.345	ppbv	87
74) 1,2,4-Trimethylbenzene	11.542	105	7340	0.344	ppbv	90
75) 1,3-Dichlorobenzene	11.613	146	5568	0.409	ppbv	97
76) 1,4-Dichlorobenzene	11.675	146	5142	0.383	ppbv	95
77) 1,2-Dichlorobenzene	11.953	146	5570	0.426	ppbv	94
78) Hexachloro-1,3-Butadiene	13.885	225	4377	0.451	ppbv	97
79) Naphthalene	13.520	128	3736	0.251	ppbv #	86
80) Naphthalene,2-methyl-	14.465	142	414	0.090	ppbv #	84
81) 1,2,4-Trichlorobenzene	13.445	180	2719	0.335	ppbv	98

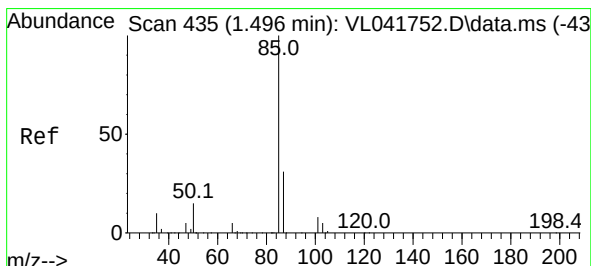
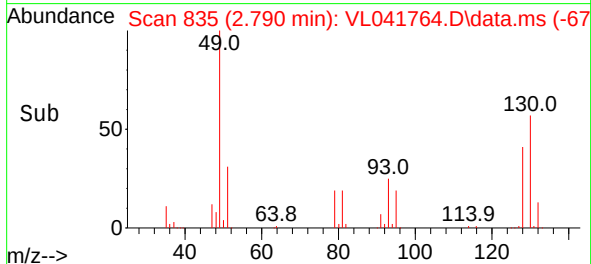
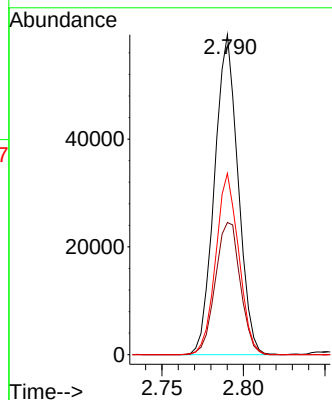
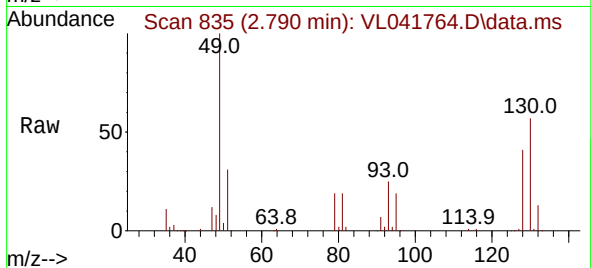
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 834
Delta R.T. 0.006 min
Lab File: VL041764.D
Acq: 16 Dec 2024 22:23

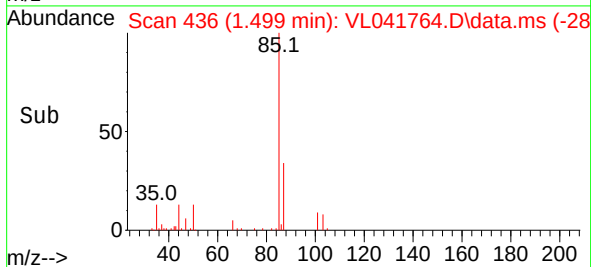
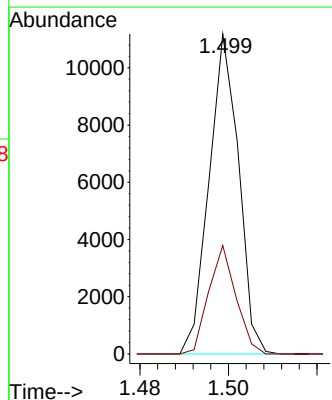
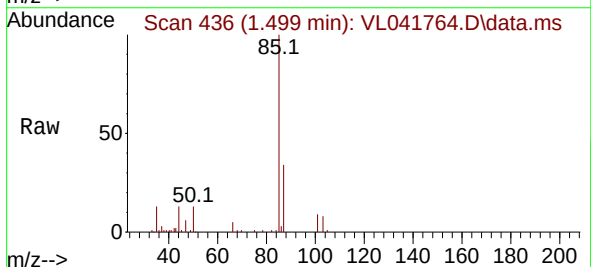
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MSVOA_L
ClientSampleId :
MDL 0.4

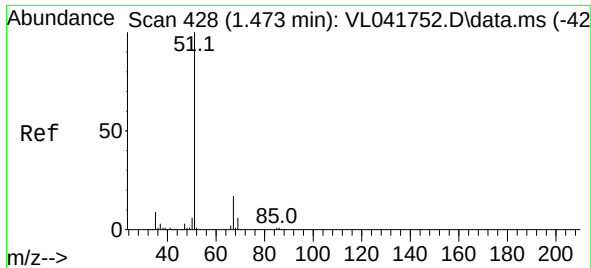
Tgt Ion: 49 Resp: 59566
Ion Ratio Lower Upper
49 100
128 43.9 21.6 64.6
130 55.3 28.3 85.0



#2
Dichlorodifluoromethane
Concen: 0.489 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.003 min
Lab File: VL041764.D
Acq: 16 Dec 2024 22:23

Tgt Ion: 85 Resp: 5185
Ion Ratio Lower Upper
85 100
87 33.9 24.5 36.7





#3

Chlorodifluoromethane

Concen: 0.460 ppbv

RT: 1.476 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL041764.D

Acq: 16 Dec 2024 22:23

Instrument :

MSVOA_L

ClientSampleId :

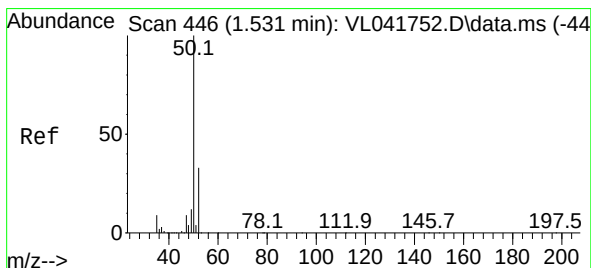
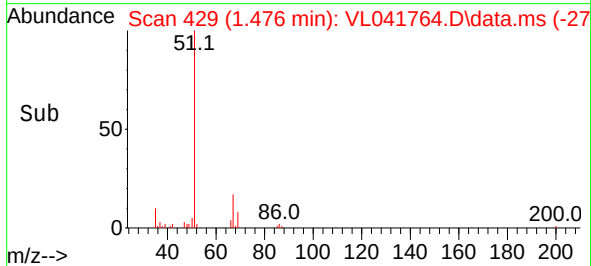
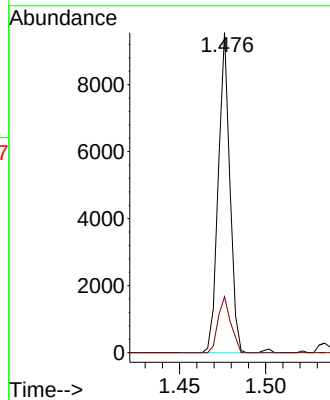
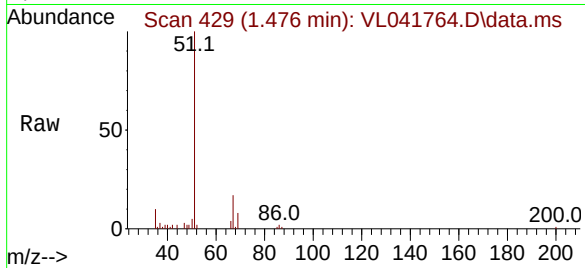
MDL 0.4

Tgt Ion: 51 Resp: 4464

Ion Ratio Lower Upper

51 100

67 19.1 15.0 22.4



#4

Chloromethane

Concen: 0.501 ppbv

RT: 1.534 min Scan# 447

Delta R.T. 0.003 min

Lab File: VL041764.D

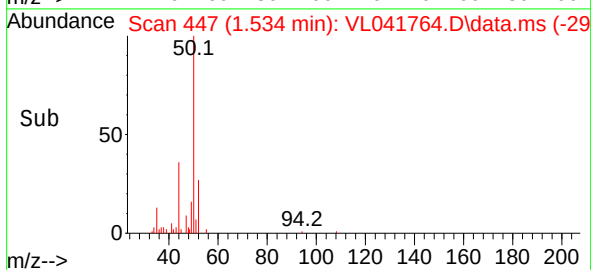
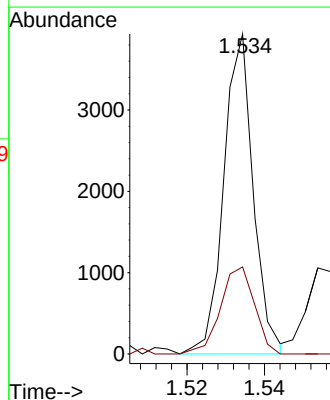
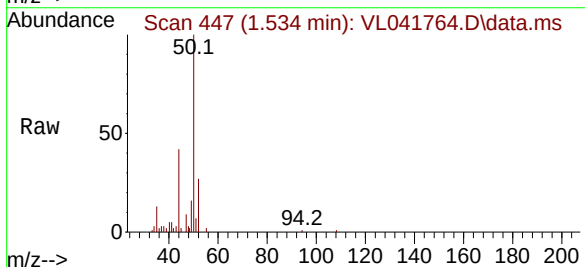
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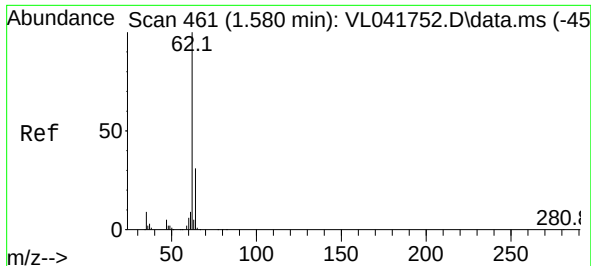
Tgt Ion: 50 Resp: 2077

Ion Ratio Lower Upper

50 100

52 27.2 26.2 39.2

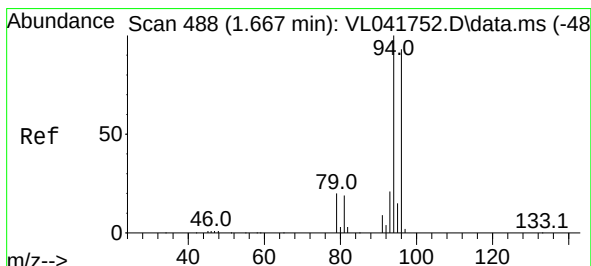
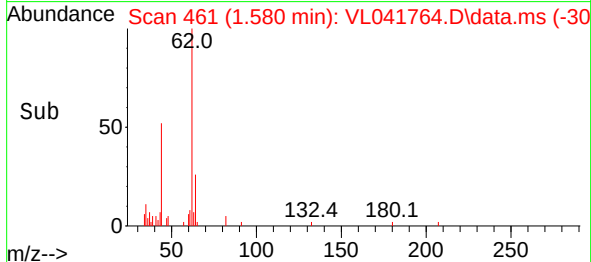
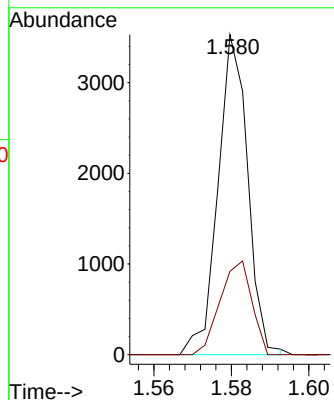
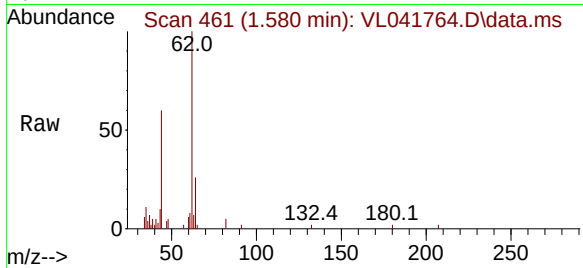




#5
 Vinyl Chloride
 Concen: 0.449 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. -0.000 min
 Lab File: VL041764.D
 Acq: 16 Dec 2024 22:23

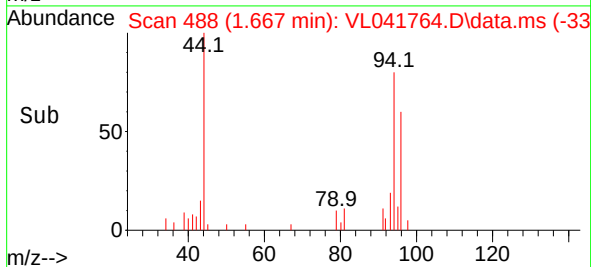
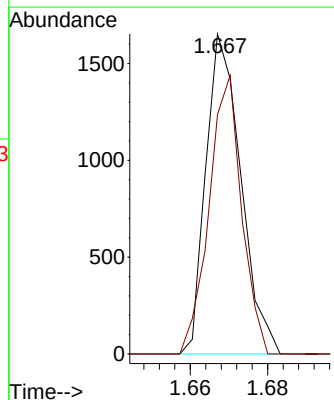
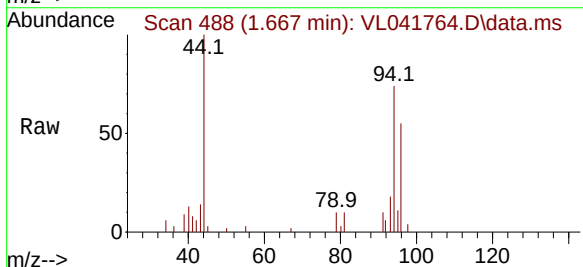
Instrument :
 MSVOA_1
 ClientSampleId :
 MDL 0.4

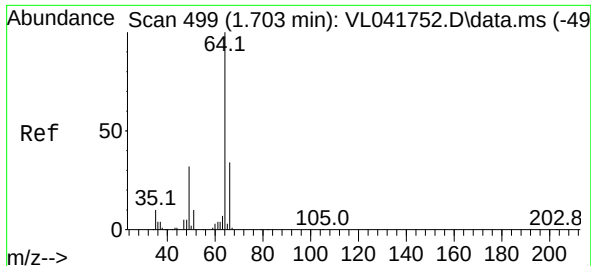
Tgt Ion: 62 Resp: 1877
 Ion Ratio Lower Upper
 62 100
 64 26.1 25.1 37.7



#6
 Bromomethane
 Concen: 0.525 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. -0.000 min
 Lab File: VL041764.D
 Acq: 16 Dec 2024 22:23

Tgt Ion: 94 Resp: 1036
 Ion Ratio Lower Upper
 94 100
 96 74.8 74.7 112.1

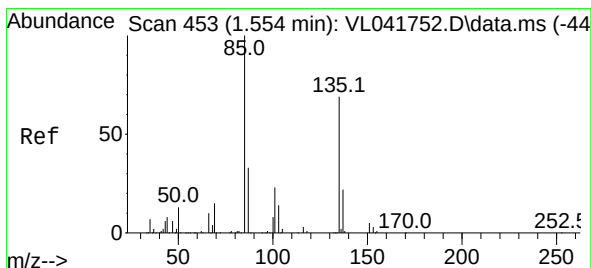
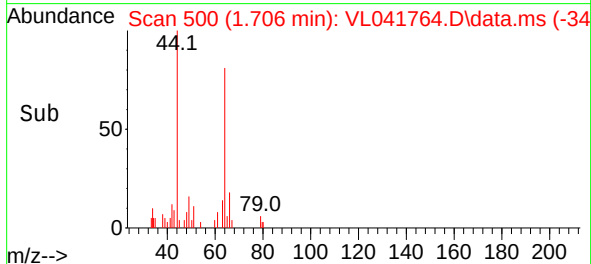
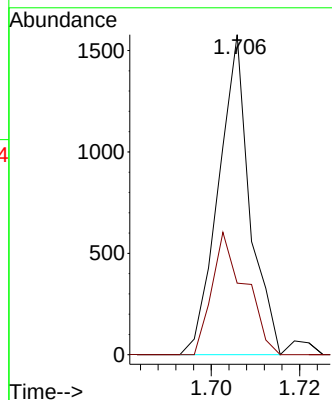
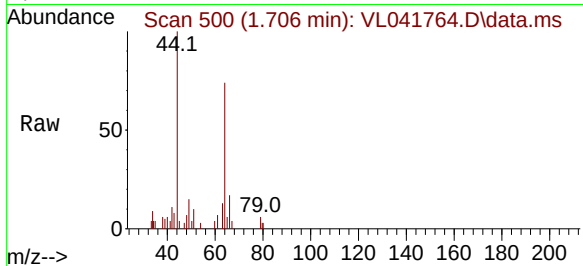




#7
Chloroethane
Concen: 0.479 ppbv
RT: 1.706 min Scan# 500
Delta R.T. 0.003 min
Lab File: VL041764.D
Acq: 16 Dec 2024 22:23

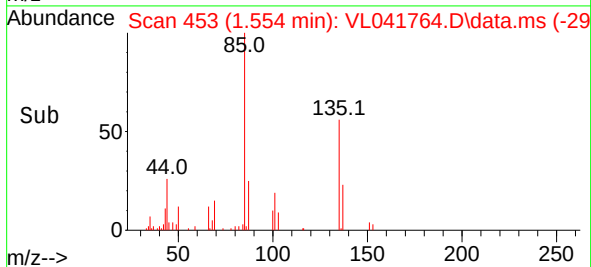
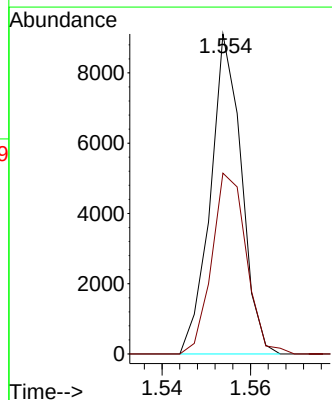
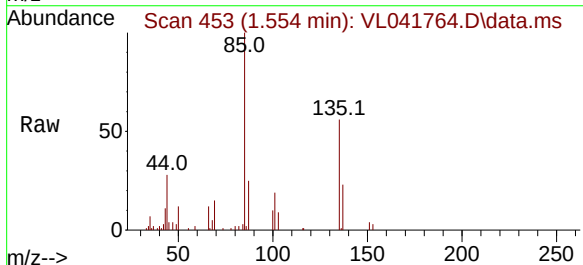
Instrument :
MSVOA_L
ClientSampleId :
MDL 0.4

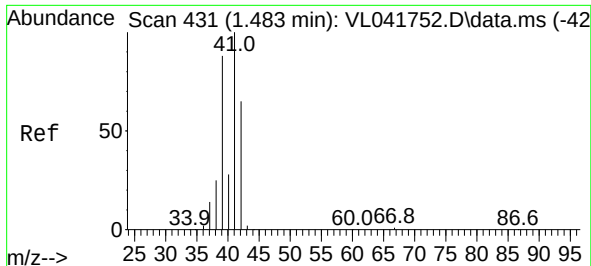
Tgt Ion: 64 Resp: 777
Ion Ratio Lower Upper
64 100
66 22.4 27.5 41.3#



#8
Dichlorotetrafluoroethane
Concen: 0.468 ppbv
RT: 1.554 min Scan# 453
Delta R.T. -0.000 min
Lab File: VL041764.D
Acq: 16 Dec 2024 22:23

Tgt Ion: 85 Resp: 4435
Ion Ratio Lower Upper
85 100
135 62.9 51.9 77.9





#9

Propene

Concen: 0.408 ppbv

RT: 1.483 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL041764.D

Acq: 16 Dec 2024 22:23

Instrument :

MSVOA_L

ClientSampleId :

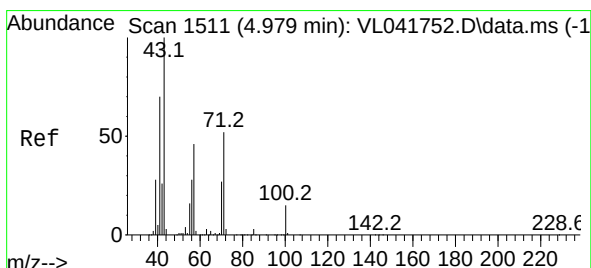
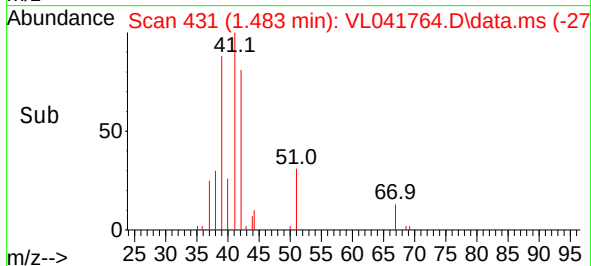
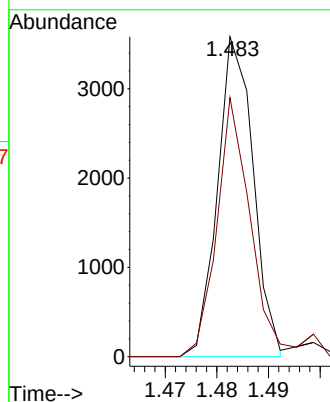
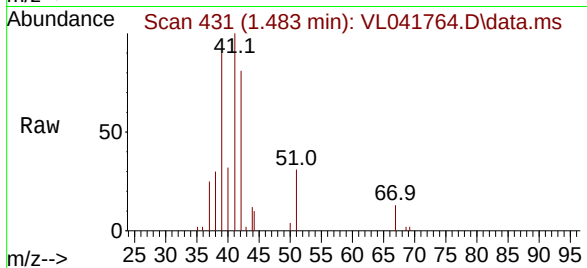
MDL 0.4

Tgt Ion: 41 Resp: 1719

Ion Ratio Lower Upper

41 100

42 84.9 52.4 78.6#



#10

Heptane

Concen: 0.260 ppbv

RT: 4.985 min Scan# 1513

Delta R.T. 0.006 min

Lab File: VL041764.D

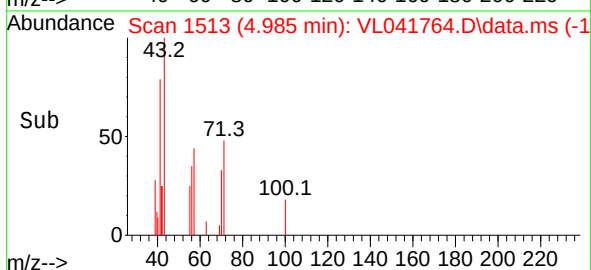
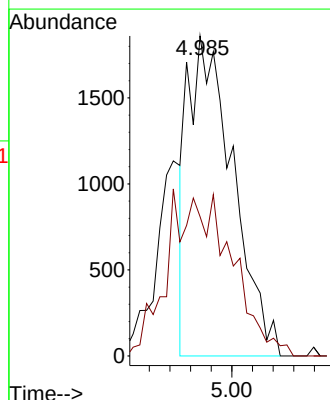
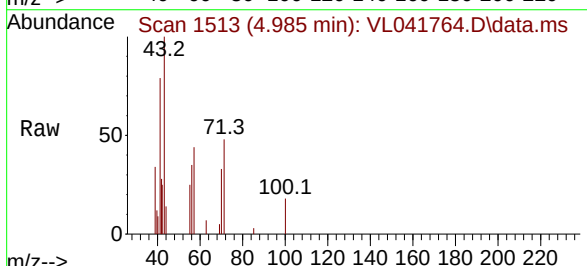
Acq: 16 Dec 2024 22:23

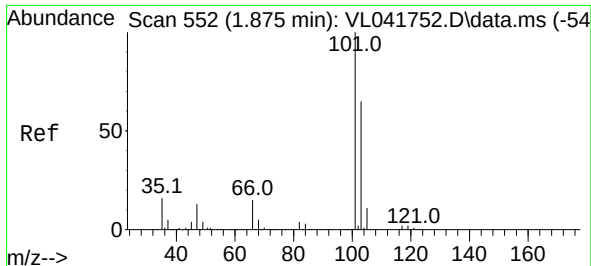
Tgt Ion: 43 Resp: 2812

Ion Ratio Lower Upper

43 100

57 0.0 38.5 57.7#

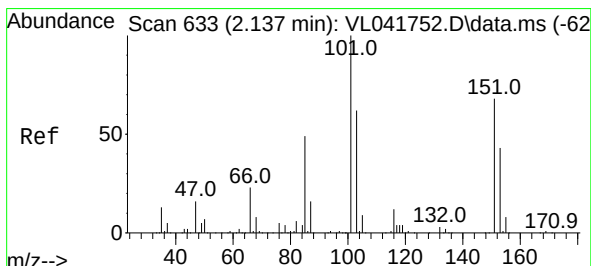
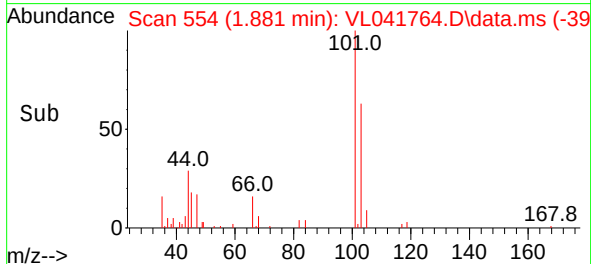
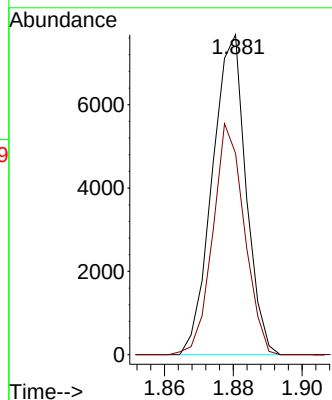
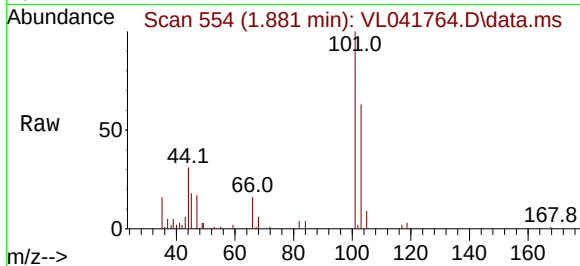




#11
 Trichlorofluoromethane
 Concen: 0.464 ppbv
 RT: 1.881 min Scan# 51
 Delta R.T. 0.006 min
 Lab File: VL041764.D
 Acq: 16 Dec 2024 22:23

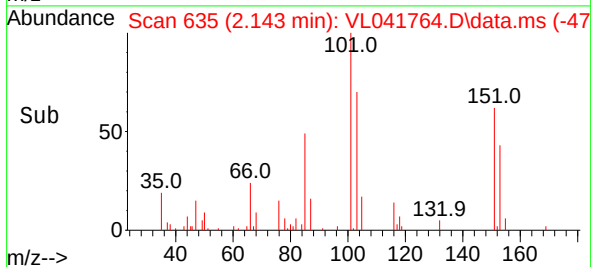
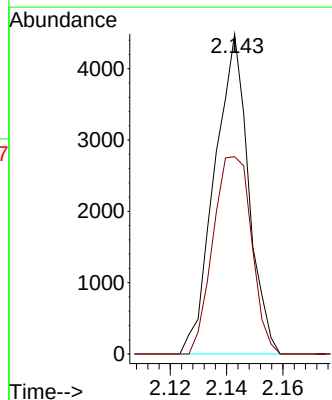
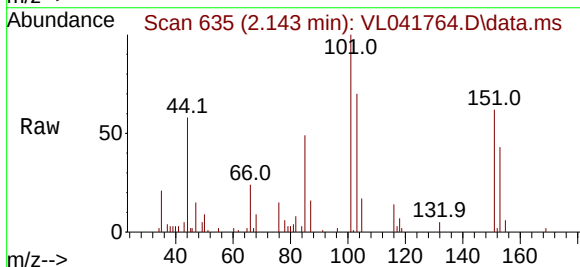
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 ClientSampleId :
 MDL 0.4

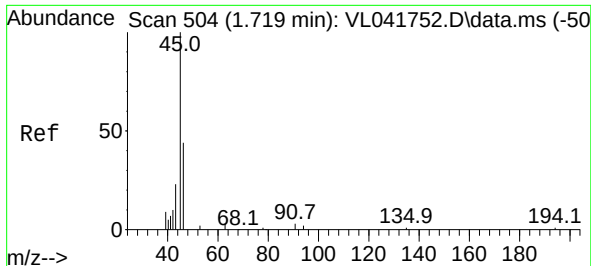
Tgt Ion:101 Resp: 5226
 Ion Ratio Lower Upper
 101 100
 103 62.9 51.8 77.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.438 ppbv
 RT: 2.143 min Scan# 635
 Delta R.T. 0.006 min
 Lab File: VL041764.D
 Acq: 16 Dec 2024 22:23

Tgt Ion:101 Resp: 3749
 Ion Ratio Lower Upper
 101 100
 151 70.1 56.8 85.2





#13

Ethanol

Concen: 0.806 ppbv

RT: 1.722 min Scan# 504

Delta R.T. 0.003 min

Lab File: VL041764.D

Acq: 16 Dec 2024 22:23

Instrument :

MSVOA_L

ClientSampleId :

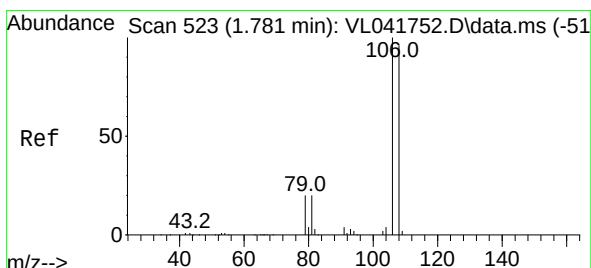
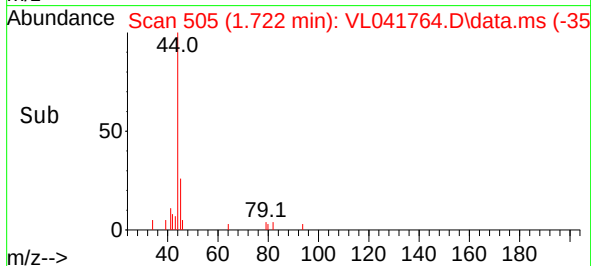
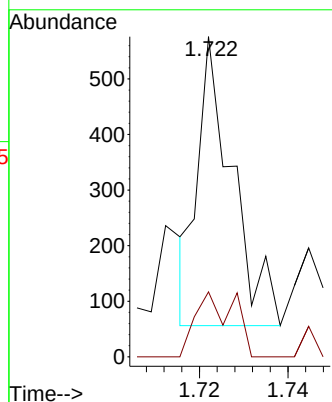
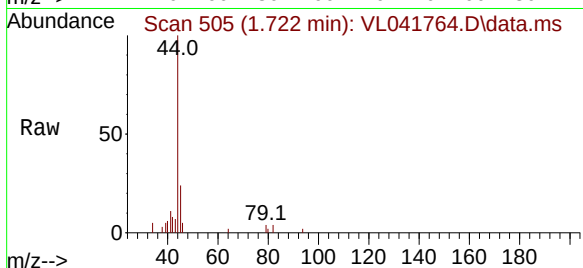
MDL 0.4

Tgt Ion: 45 Resp: 281

Ion Ratio Lower Upper

45 100

46 28.8 16.4 65.8



#14

Bromoethene

Concen: 0.423 ppbv

RT: 1.780 min Scan# 523

Delta R.T. -0.000 min

Lab File: VL041764.D

Acq: 16 Dec 2024 22:23

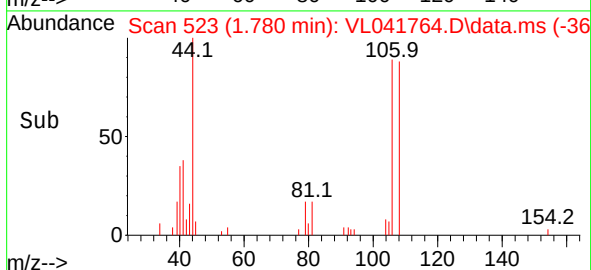
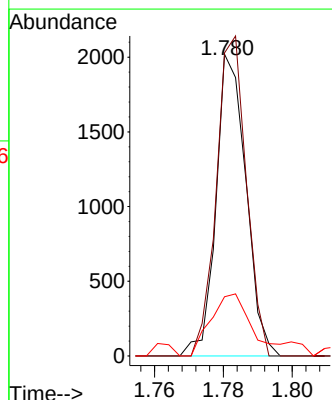
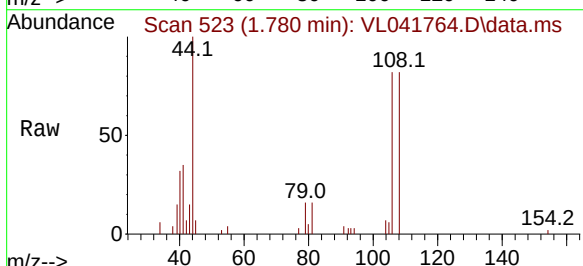
Tgt Ion: 108 Resp: 1223

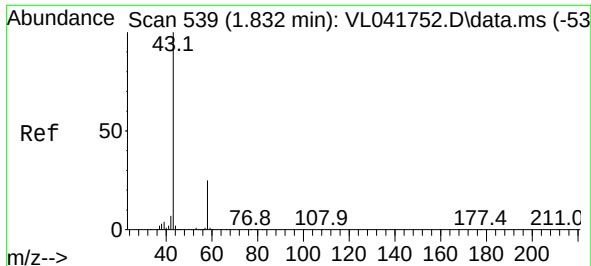
Ion Ratio Lower Upper

108 100

106 105.6 84.1 126.1

79 36.3 17.4 26.0#

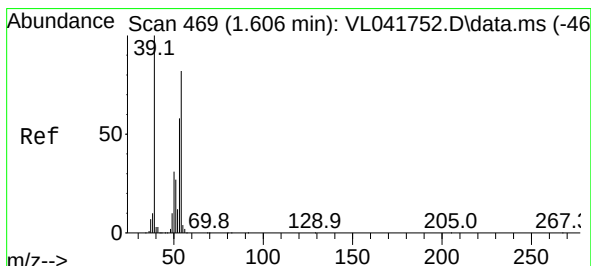
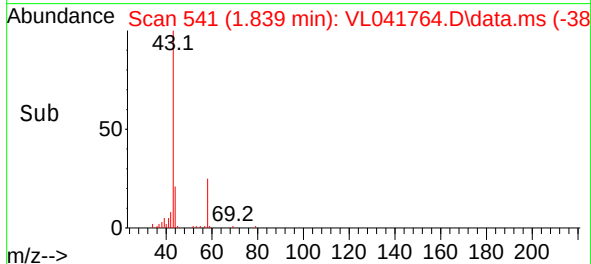
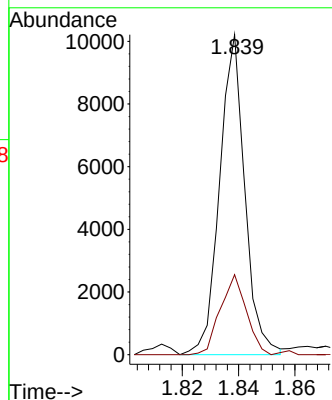
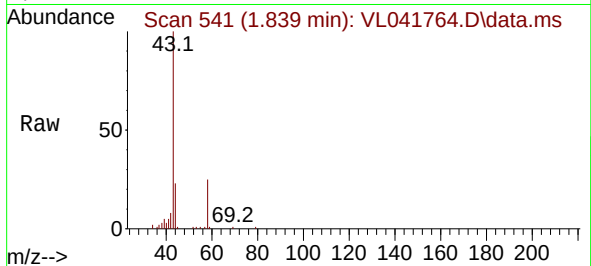




#15
Acetone
Concen: 0.547 ppbv
RT: 1.839 min Scan# 54
Delta R.T. 0.006 min
Lab File: VL041764.D
Acq: 16 Dec 2024 22:23

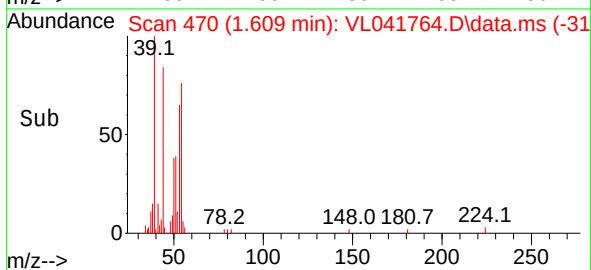
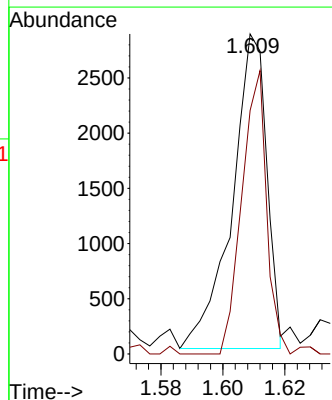
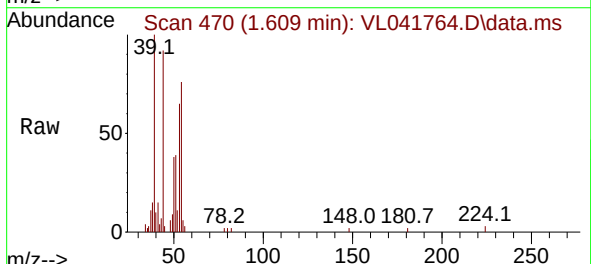
Instrument :
MSVOA_L
ClientSampleId :
MDL 0.4

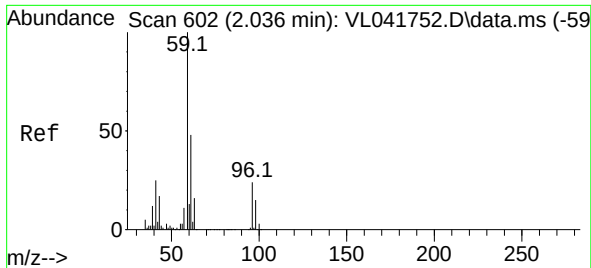
Tgt Ion: 43 Resp: 6343
Ion Ratio Lower Upper
43 100
58 26.3 19.7 29.5



#16
1,3-Butadiene
Concen: 0.487 ppbv
RT: 1.609 min Scan# 470
Delta R.T. 0.003 min
Lab File: VL041764.D
Acq: 16 Dec 2024 22:23

Tgt Ion: 39 Resp: 2223
Ion Ratio Lower Upper
39 100
54 66.8 58.4 87.6

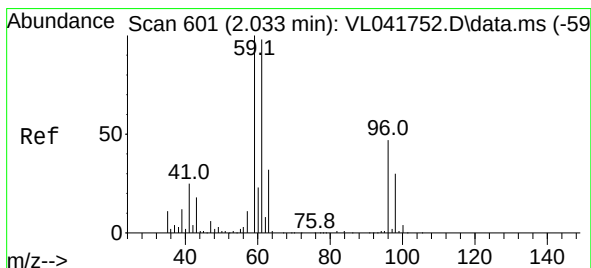
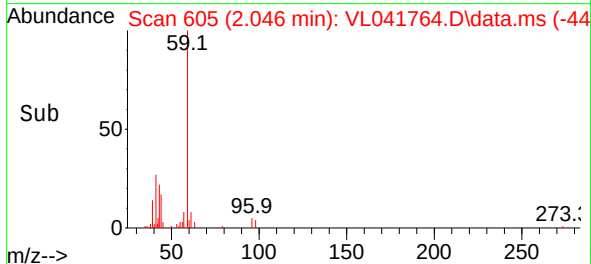
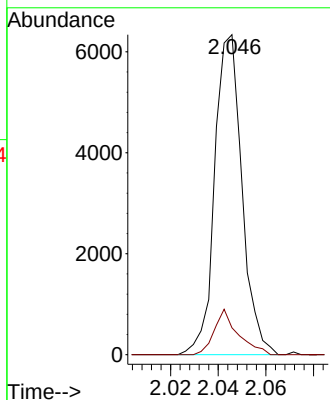
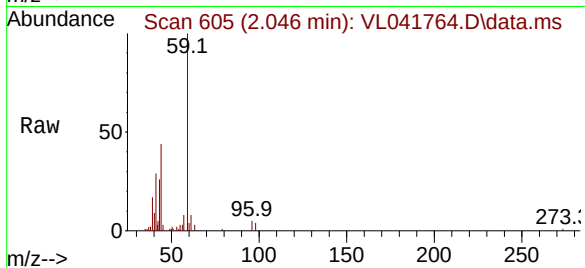




#17
tert-Butyl alcohol
Concen: 0.438 ppbv
RT: 2.046 min Scan# 602
Delta R.T. 0.009 min
Lab File: VL041764.D
Acq: 16 Dec 2024 22:23

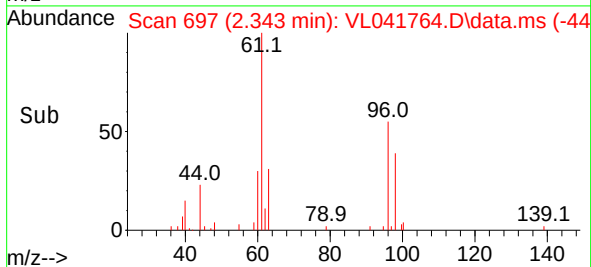
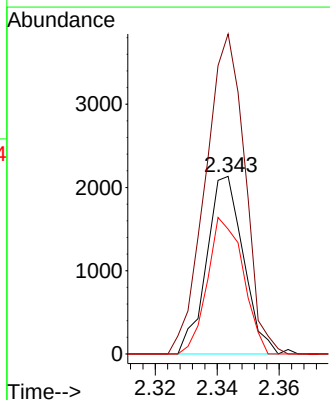
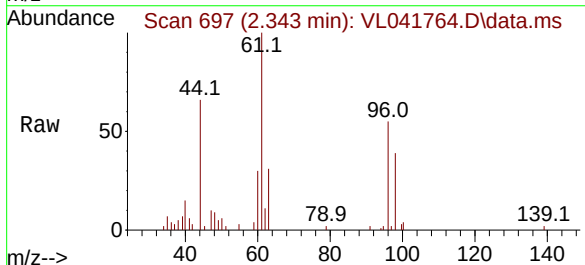
Instrument :
MSVOA_L
ClientSampleId :
MDL 0.4

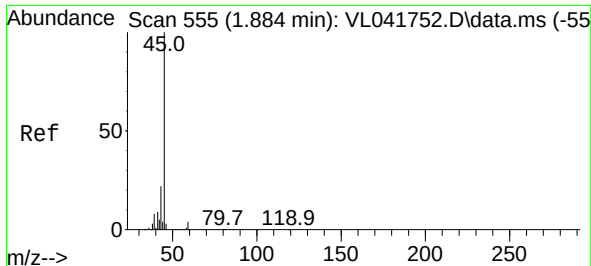
Tgt Ion: 59 Resp: 5035
Ion Ratio Lower Upper
59 100
57 12.4 8.6 13.0



#18
1,1-Dichloroethene
Concen: 0.489 ppbv
RT: 2.343 min Scan# 697
Delta R.T. 0.310 min
Lab File: VL041764.D
Acq: 16 Dec 2024 22:23

Tgt Ion: 96 Resp: 1756
Ion Ratio Lower Upper
96 100
61 177.3 167.7 251.5
98 70.3 51.1 76.7





#19

Isopropyl Alcohol

Concen: 0.638 ppbv

RT: 1.887 min Scan# 51

Delta R.T. 0.003 min

Lab File: VL041764.D

Acq: 16 Dec 2024 22:23

Instrument :

MSVOA_L

ClientSampleId :

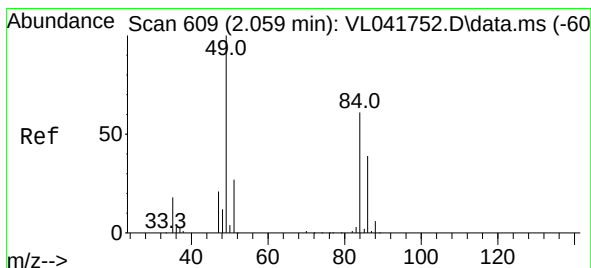
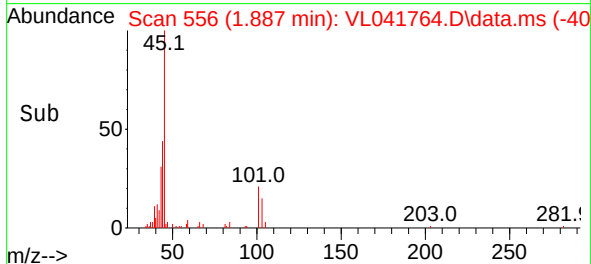
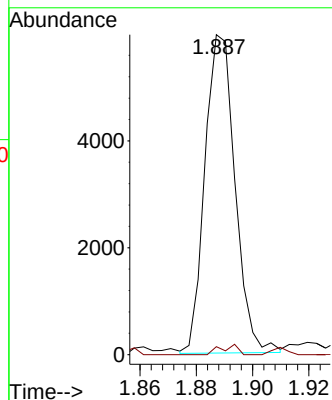
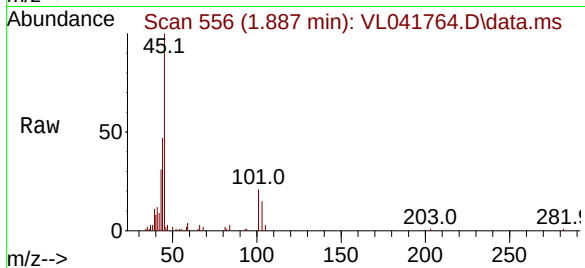
MDL 0.4

Tgt Ion: 45 Resp: 4437

Ion Ratio Lower Upper

45 100

58 3.0 33.3 49.9#



#20

Methylene Chloride

Concen: 0.517 ppbv

RT: 2.062 min Scan# 610

Delta R.T. 0.003 min

Lab File: VL041764.D

Acq: 16 Dec 2024 22:23

Tgt Ion: 84 Resp: 1708

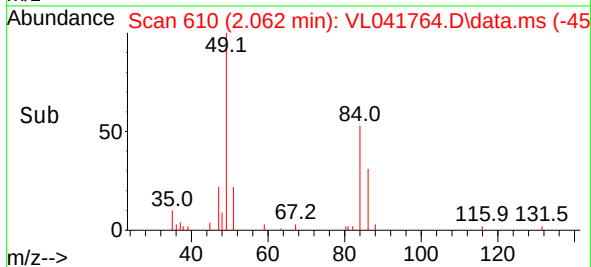
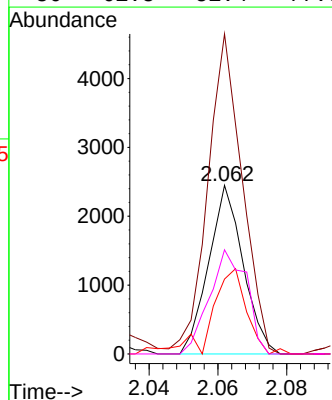
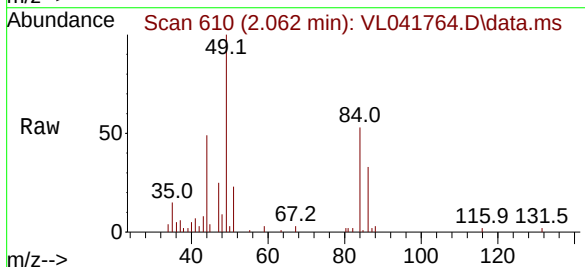
Ion Ratio Lower Upper

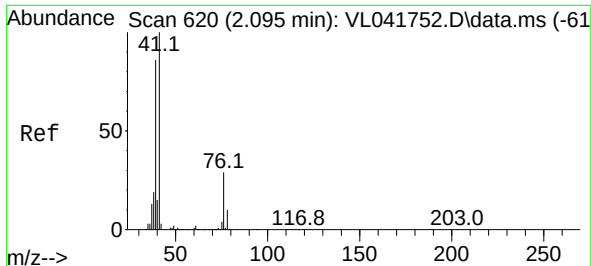
84 100

49 189.8 132.6 198.8

51 41.3 37.6 56.4

86 61.8 51.4 77.0





#21

Allyl Chloride

Concen: 0.400 ppbv

RT: 2.098 min Scan# 61

Delta R.T. 0.003 min

Lab File: VL041764.D

Acq: 16 Dec 2024 22:23

Instrument :

MSVOA_L

ClientSampleId :

MDL 0.4

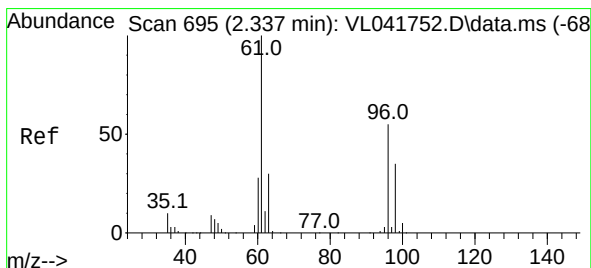
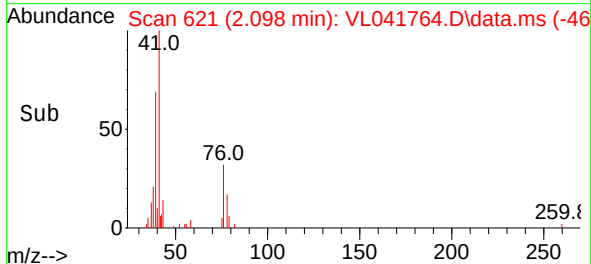
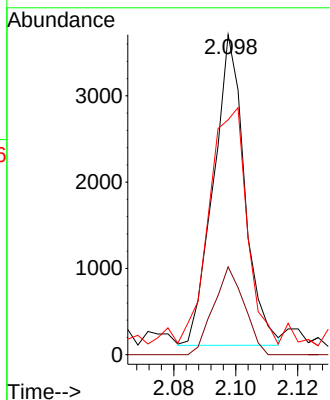
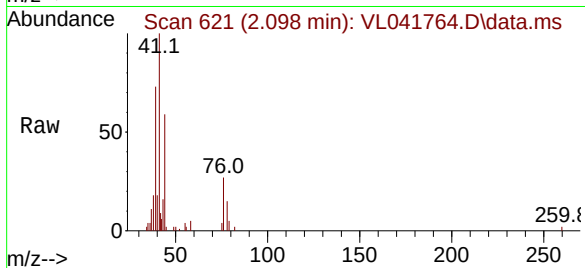
Tgt Ion: 41 Resp: 2514

Ion Ratio Lower Upper

41 100

76 27.8 22.3 33.5

39 102.3 69.2 103.8



#22

trans-1,2-Dichloroethene

Concen: 0.427 ppbv

RT: 2.343 min Scan# 697

Delta R.T. 0.006 min

Lab File: VL041764.D

Acq: 16 Dec 2024 22:23

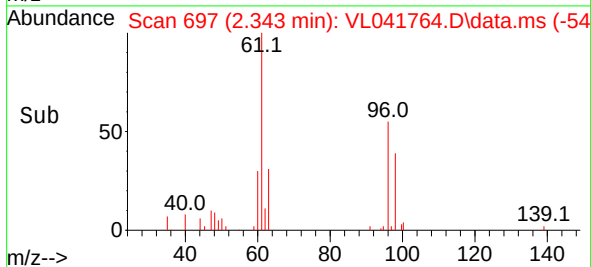
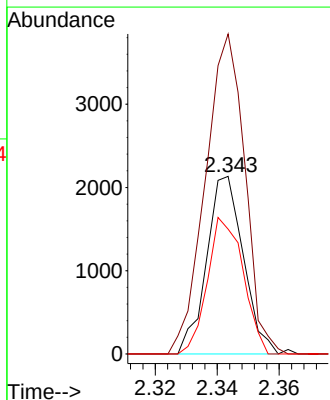
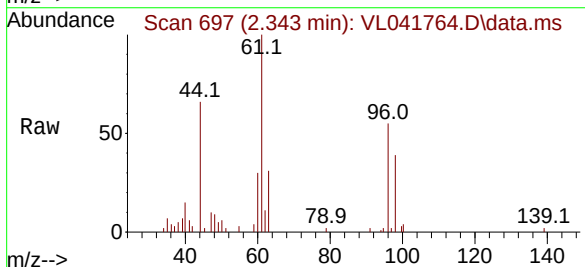
Tgt Ion: 96 Resp: 1756

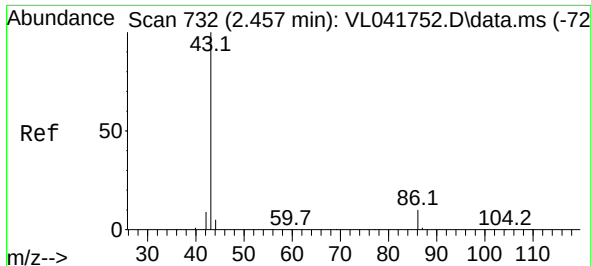
Ion Ratio Lower Upper

96 100

61 177.3 146.3 219.5

98 70.3 50.8 76.2

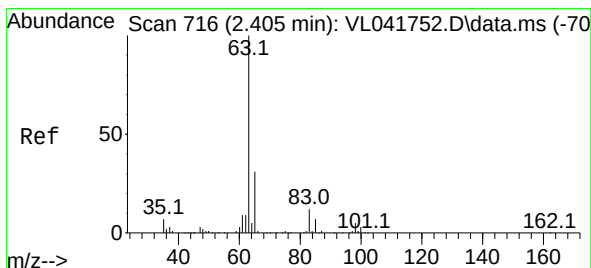
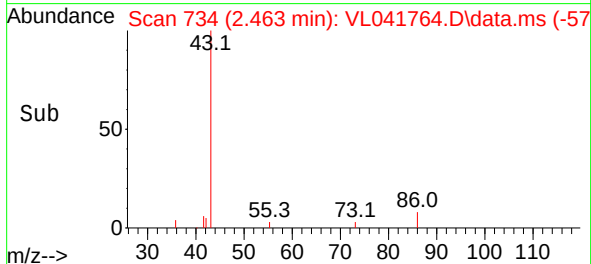
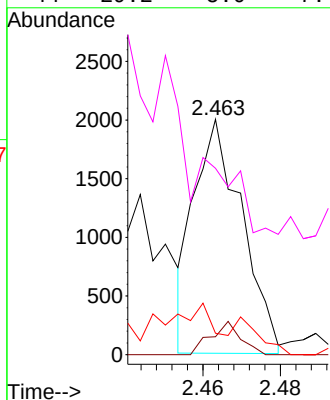
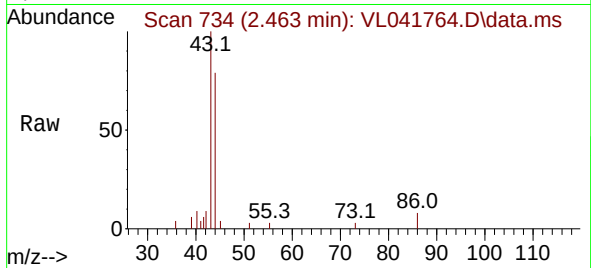




#23
 Vinyl Acetate
 Concen: 0.317 ppbv
 RT: 2.463 min Scan# 716
 Delta R.T. 0.006 min
 Lab File: VL041764.D
 Acq: 16 Dec 2024 22:23

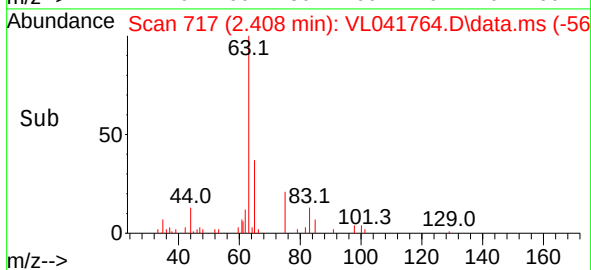
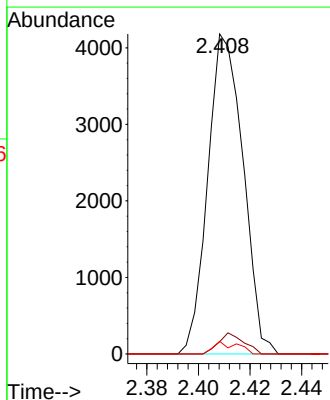
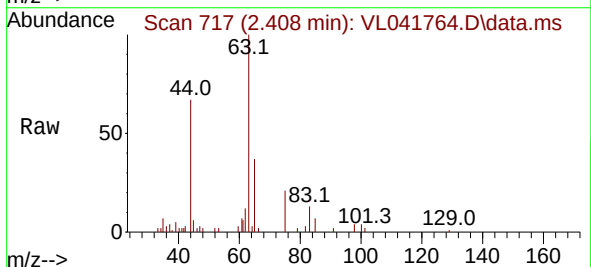
Instrument :
 MSVOA_1
 ClientSampleId :
 MDL 0.4

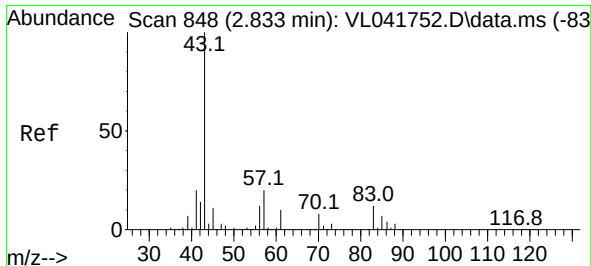
Tgt Ion:	43	Resp:	1708
Ion	Ratio	Lower	Upper
43	100		
86	7.9	6.6	10.0
42	5.0	8.2	12.2#
44	29.2	5.0	7.4#



#24
 1,1-Dichloroethane
 Concen: 0.478 ppbv
 RT: 2.408 min Scan# 717
 Delta R.T. 0.003 min
 Lab File: VL041764.D
 Acq: 16 Dec 2024 22:23

Tgt Ion:	63	Resp:	3973
Ion	Ratio	Lower	Upper
63	100		
98	3.8	2.3	6.8
100	3.9	1.4	4.2





#25

Ethyl Acetate

Concen: 0.412 ppbv

RT: 2.842 min Scan# 848

Delta R.T. 0.009 min

Lab File: VL041764.D

Acq: 16 Dec 2024 22:23

Instrument :

MSVOA_1

ClientSampleId :

MDL 0.4

Tgt Ion: 43 Resp: 8884

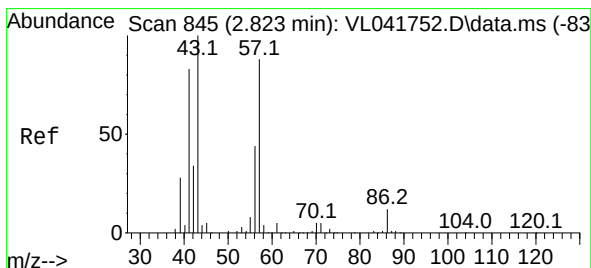
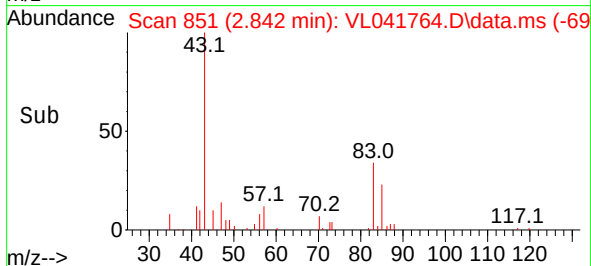
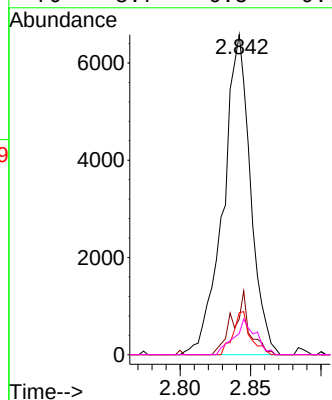
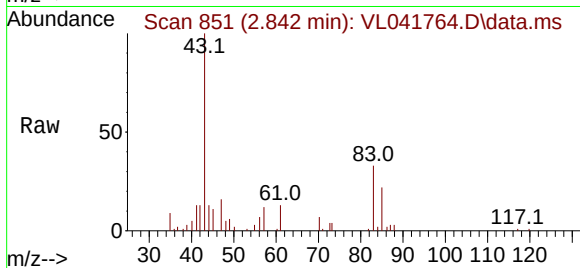
Ion Ratio Lower Upper

43 100

45 12.2 8.1 12.1#

61 8.5 7.0 10.6

70 8.7 6.5 9.7



#26

Hexane

Concen: 0.405 ppbv

RT: 2.829 min Scan# 847

Delta R.T. 0.006 min

Lab File: VL041764.D

Acq: 16 Dec 2024 22:23

Tgt Ion: 57 Resp: 3316

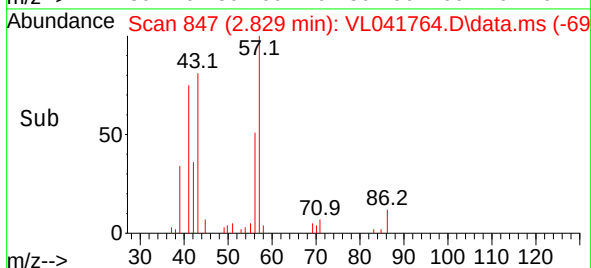
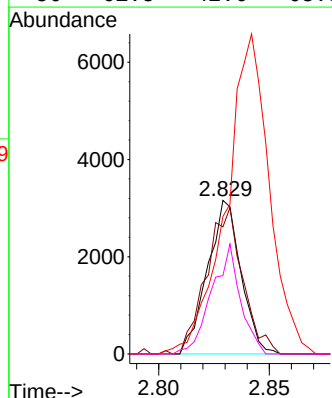
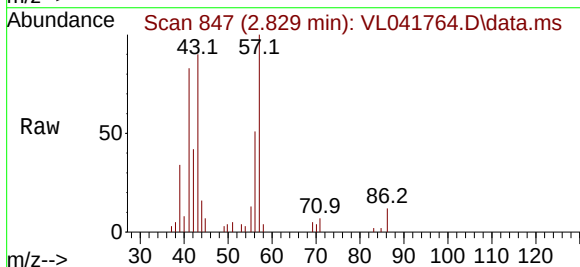
Ion Ratio Lower Upper

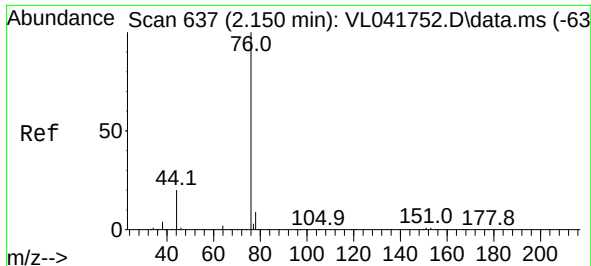
57 100

41 104.5 79.6 119.4

43 267.9 211.0 316.6

56 61.5 42.6 63.8





#27

Carbon Disulfide

Concen: 0.285 ppbv

RT: 2.153 min Scan# 61

Delta R.T. 0.003 min

Lab File: VL041764.D

Acq: 16 Dec 2024 22:23

Instrument :

MSVOA_L

ClientSampleId :

MDL 0.4

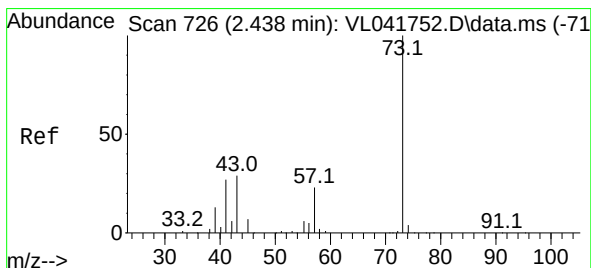
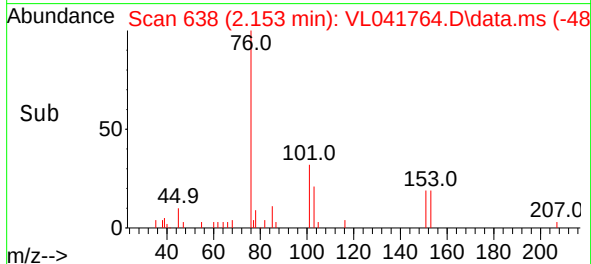
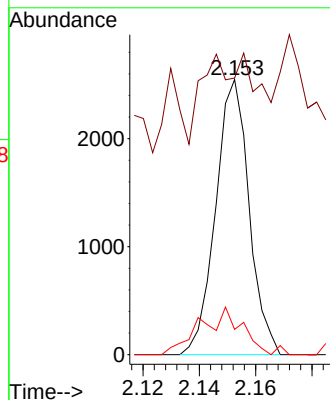
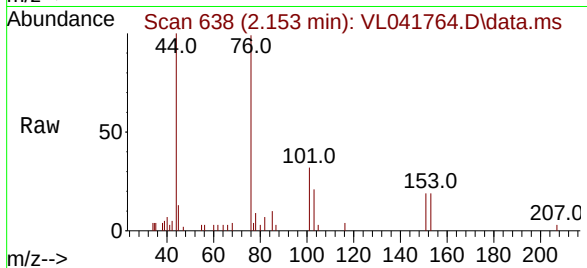
Tgt Ion: 76 Resp: 2101

Ion Ratio Lower Upper

76 100

44 227.6 17.6 26.4#

78 23.2 10.2 15.4#



#28

Methyl tert-Butyl Ether

Concen: 0.387 ppbv

RT: 2.447 min Scan# 729

Delta R.T. 0.009 min

Lab File: VL041764.D

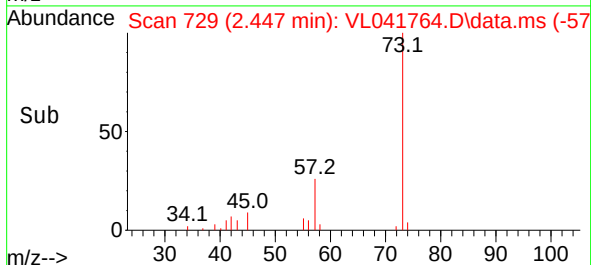
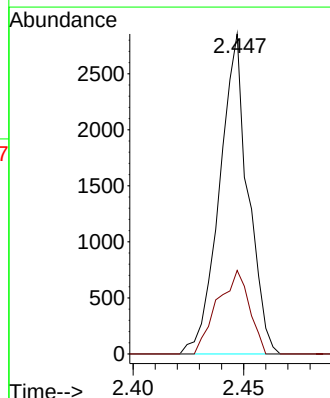
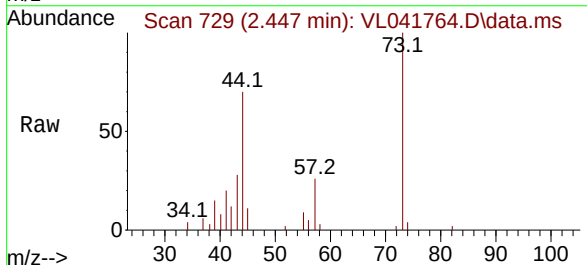
Acq: 16 Dec 2024 22:23

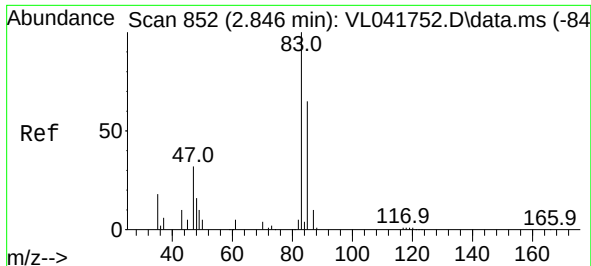
Tgt Ion: 73 Resp: 2568

Ion Ratio Lower Upper

73 100

57 29.0 17.6 26.4#





#29

Chloroform

Concen: 0.439 ppbv

RT: 2.852 min Scan# 852

Delta R.T. 0.006 min

Lab File: VL041764.D

Acq: 16 Dec 2024 22:23

Instrument :

MSVOA_L

ClientSampleId :

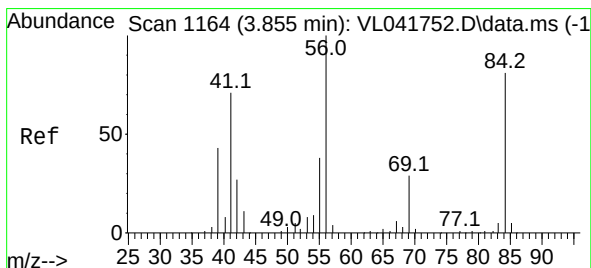
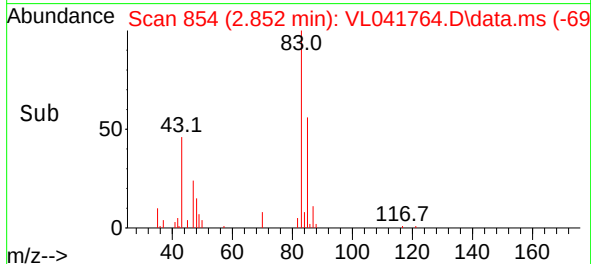
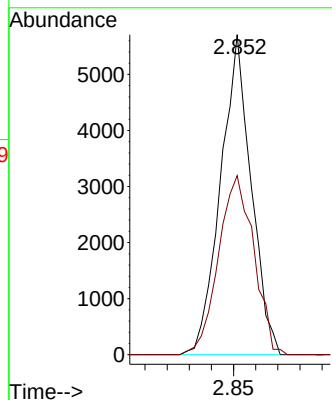
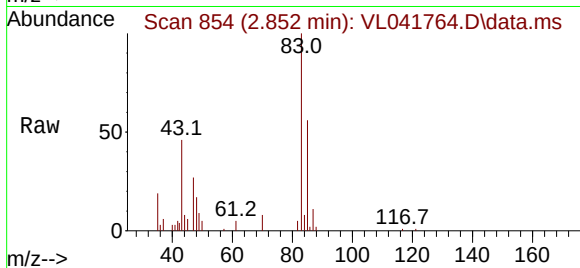
MDL 0.4

Tgt Ion: 83 Resp: 5468

Ion Ratio Lower Upper

83 100

85 55.9 51.8 77.6



#30

Cyclohexane

Concen: 0.270 ppbv

RT: 3.861 min Scan# 1166

Delta R.T. 0.006 min

Lab File: VL041764.D

Acq: 16 Dec 2024 22:23

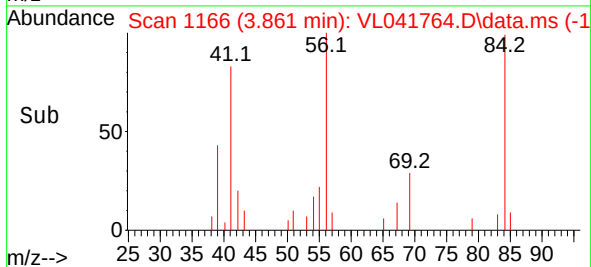
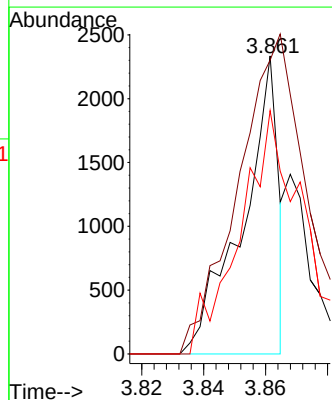
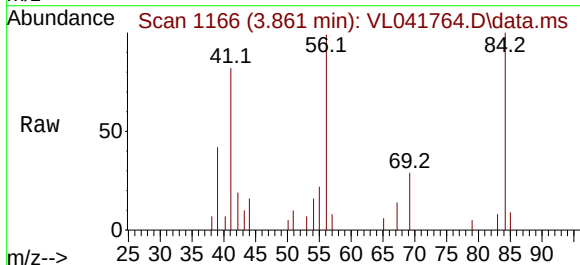
Tgt Ion: 84 Resp: 1877

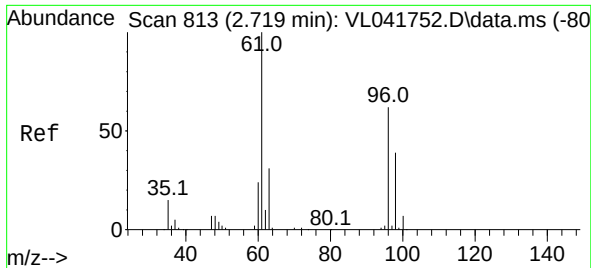
Ion Ratio Lower Upper

84 100

56 205.2 102.3 153.5#

41 143.2 74.0 111.0#

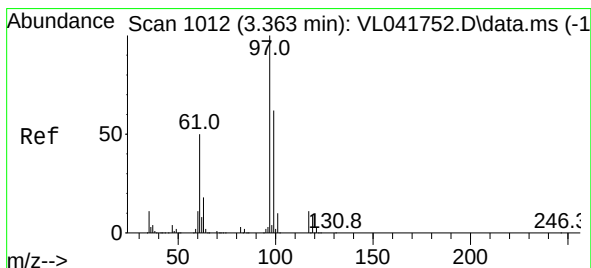
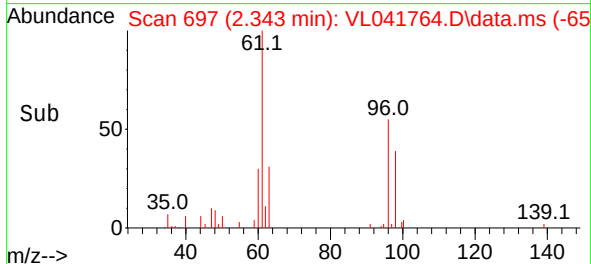
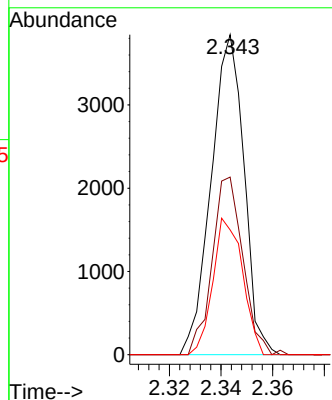
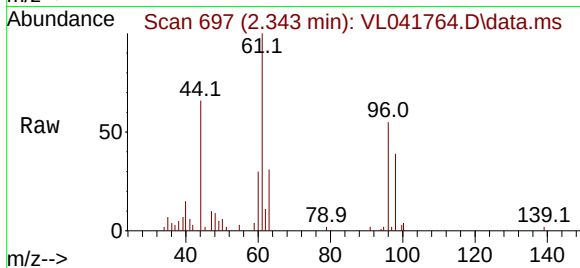




#31
 cis-1,2-Dichloroethene
 Concen: 0.402 ppbv
 RT: 2.343 min Scan# 61
 Delta R.T. -0.376 min
 Lab File: VL041764.D
 Acq: 16 Dec 2024 22:23

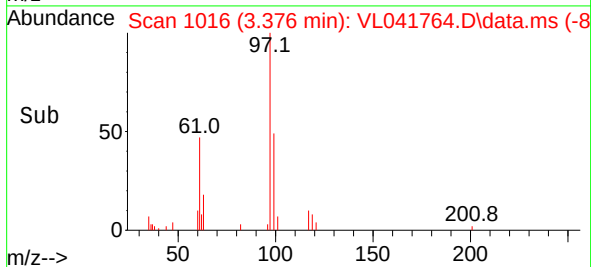
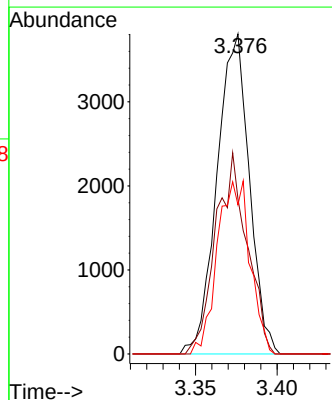
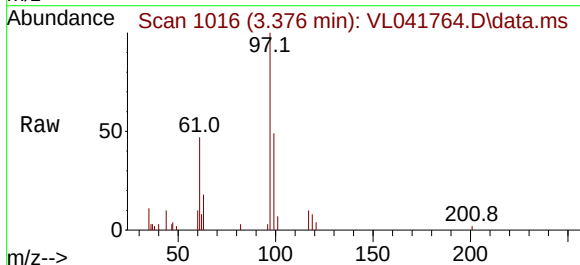
Instrument :
 MSVOA_1
 ClientSampleId :
 MDL 0.4

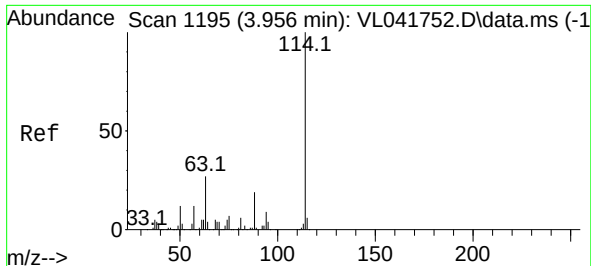
Tgt Ion: 61 Resp: 3396
 Ion Ratio Lower Upper
 61 100
 96 55.5 49.7 74.5
 98 39.0 30.8 46.2



#32
 1,1,1-Trichloroethane
 Concen: 0.414 ppbv
 RT: 3.376 min Scan# 1016
 Delta R.T. 0.013 min
 Lab File: VL041764.D
 Acq: 16 Dec 2024 22:23

Tgt Ion: 97 Resp: 5251
 Ion Ratio Lower Upper
 97 100
 99 61.3 51.0 76.4
 61 54.5 42.2 63.2





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.962 min Scan# 1197

Delta R.T. 0.006 min

Lab File: VL041764.D

Acq: 16 Dec 2024 22:23

Instrument :

MSVOA_L

ClientSampleId :

MDL 0.4

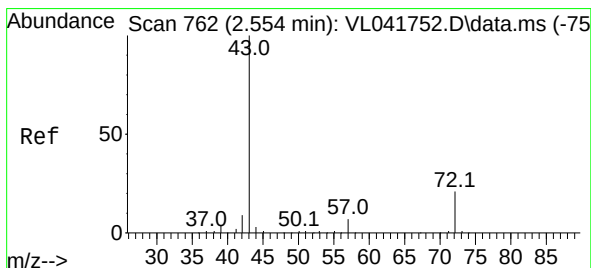
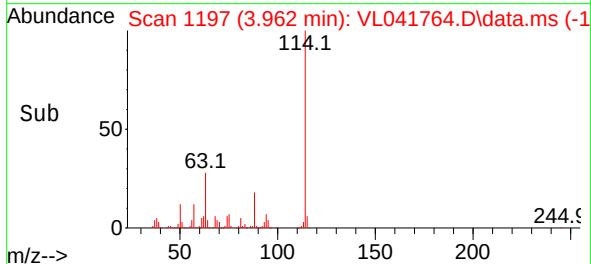
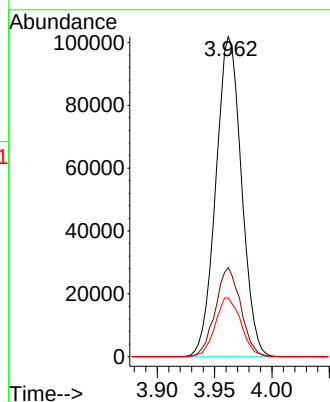
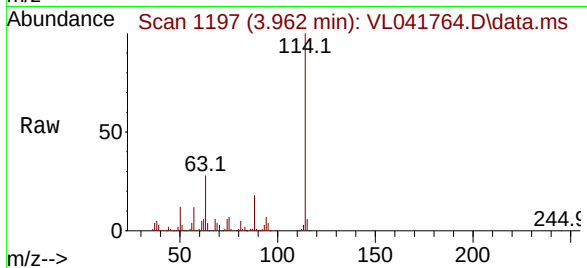
Tgt Ion:114 Resp: 158238

Ion Ratio Lower Upper

114 100

63 27.5 21.8 32.8

88 18.5 14.8 22.2



#34

2-Butanone

Concen: 0.436 ppbv

RT: 2.564 min Scan# 765

Delta R.T. 0.009 min

Lab File: VL041764.D

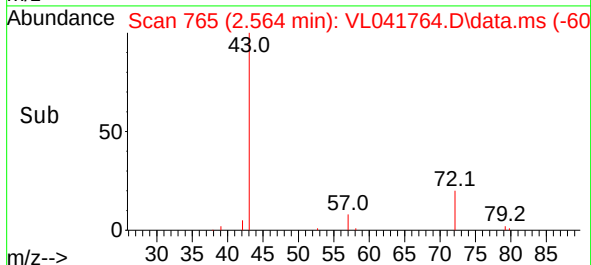
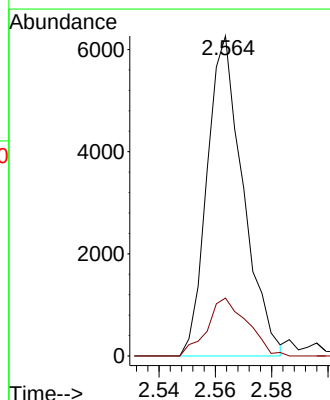
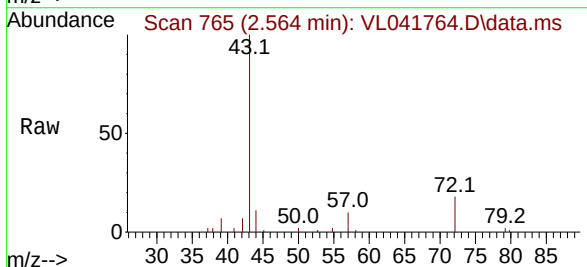
Acq: 16 Dec 2024 22:23

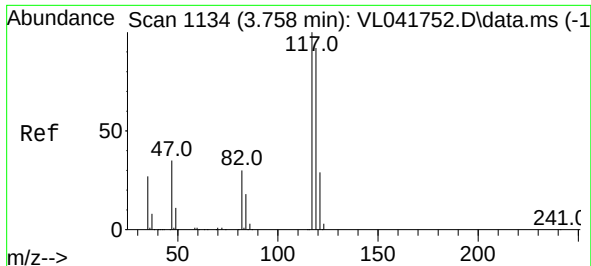
Tgt Ion: 43 Resp: 5547

Ion Ratio Lower Upper

43 100

72 20.2 16.8 25.2

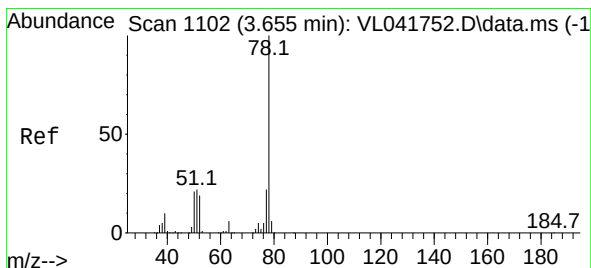
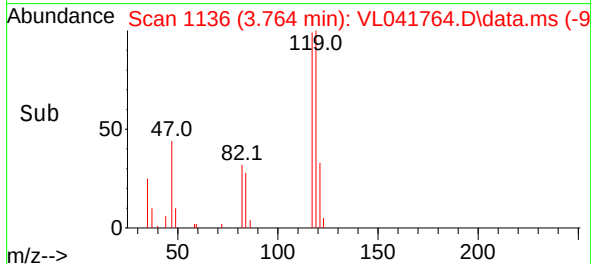
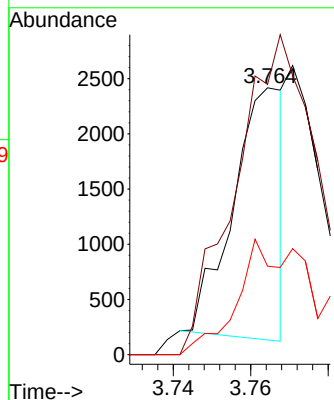
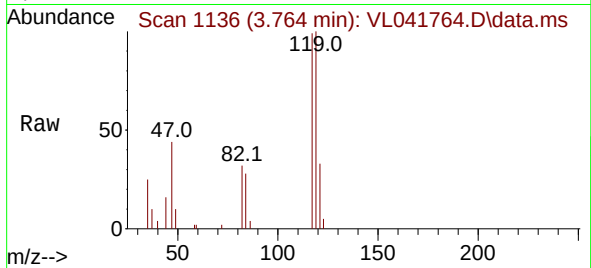




#35
Carbon Tetrachloride
Concen: 0.182 ppbv
RT: 3.764 min Scan# 1134
Delta R.T. 0.006 min
Lab File: VL041764.D
Acq: 16 Dec 2024 22:23

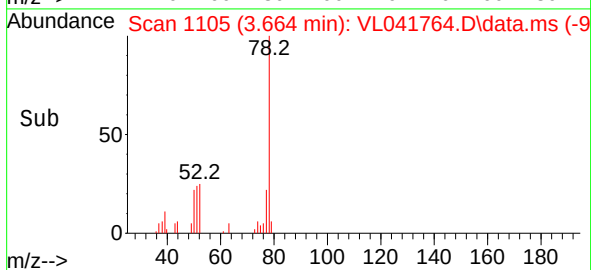
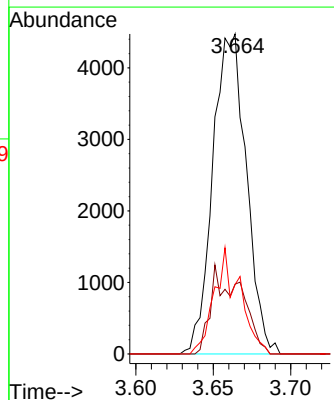
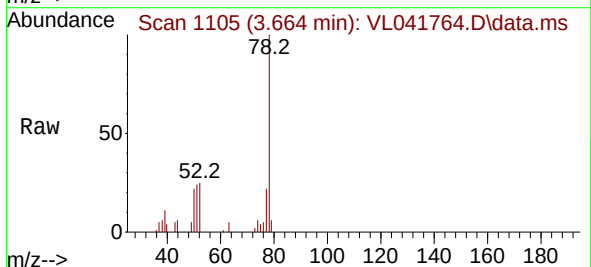
Instrument :
MSVOA_L
ClientSampleId :
MDL 0.4

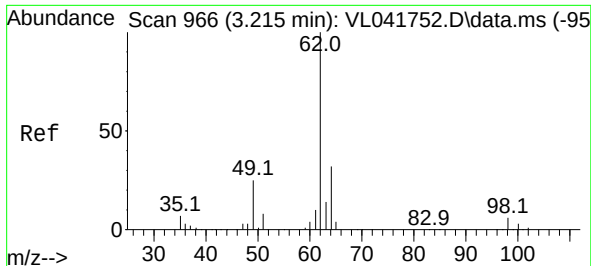
Tgt Ion:117 Resp: 2041
Ion Ratio Lower Upper
117 100
119 111.3 73.7 110.5#
121 36.5 23.0 34.4#



#36
Benzene
Concen: 0.412 ppbv
RT: 3.664 min Scan# 1105
Delta R.T. 0.009 min
Lab File: VL041764.D
Acq: 16 Dec 2024 22:23

Tgt Ion: 78 Resp: 6743
Ion Ratio Lower Upper
78 100
77 21.8 17.8 26.6
50 21.7 17.2 25.8

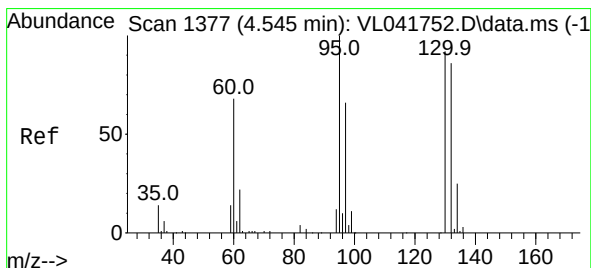
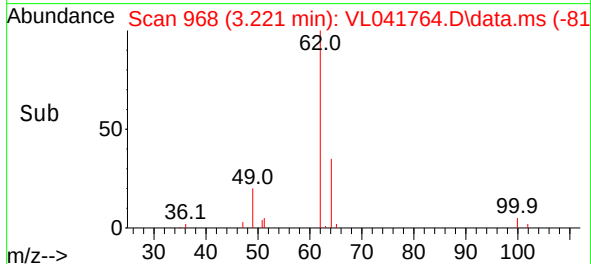
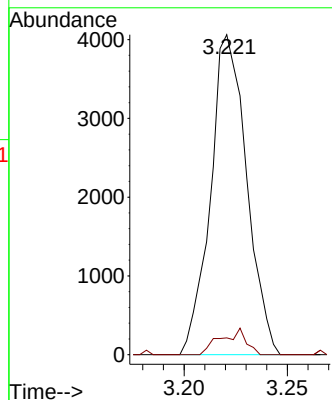
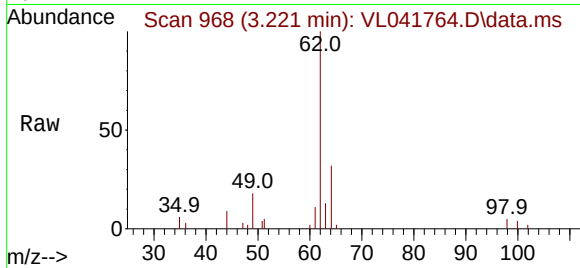




#37
1,2-Dichloroethane
Concen: 0.486 ppbv
RT: 3.221 min Scan# 90
Delta R.T. 0.006 min
Lab File: VL041764.D
Acq: 16 Dec 2024 22:23

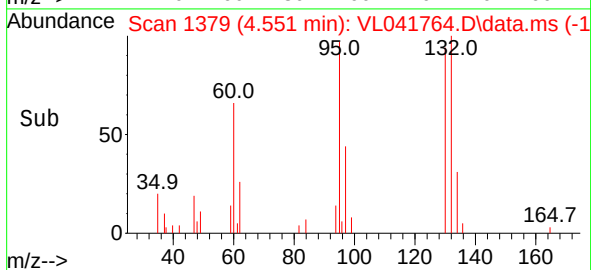
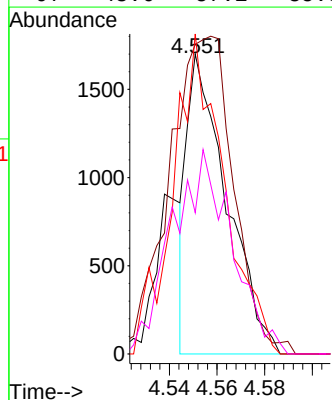
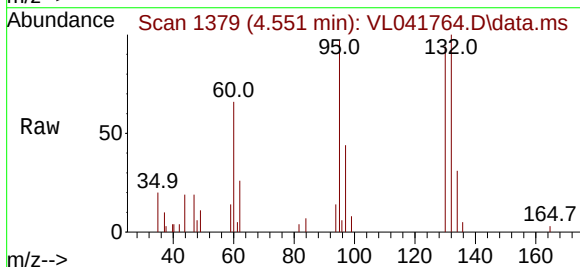
Instrument :
MSVOA_L
ClientSampleId :
MDL 0.4

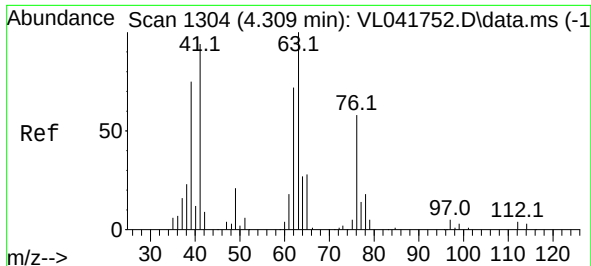
Tgt Ion: 62 Resp: 4949
Ion Ratio Lower Upper
62 100
98 5.7 4.7 7.1



#38
Trichloroethene
Concen: 0.283 ppbv
RT: 4.551 min Scan# 1379
Delta R.T. 0.006 min
Lab File: VL041764.D
Acq: 16 Dec 2024 22:23

Tgt Ion:130 Resp: 1964
Ion Ratio Lower Upper
130 100
95 99.4 87.0 130.6
132 106.6 75.0 112.6
97 43.6 57.2 85.8#





#39

1,2-Dichloropropane

Concen: 0.317 ppbv

RT: 4.321 min Scan# 1308

Delta R.T. 0.013 min

Lab File: VL041764.D

Acq: 16 Dec 2024 22:23

Instrument :

MSVOA_1

ClientSampleId :

MDL 0.4

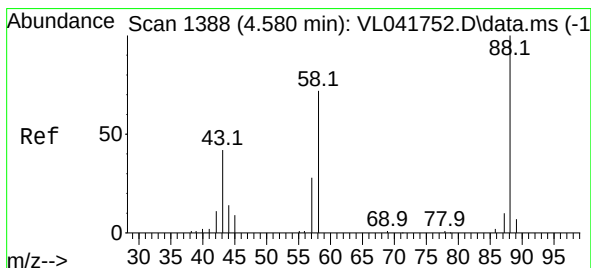
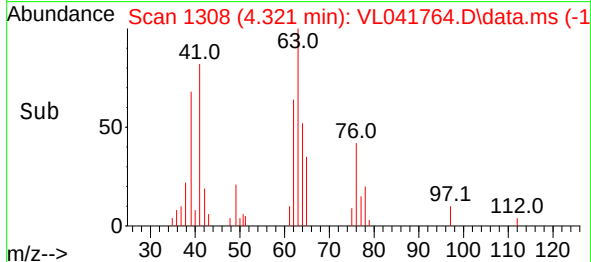
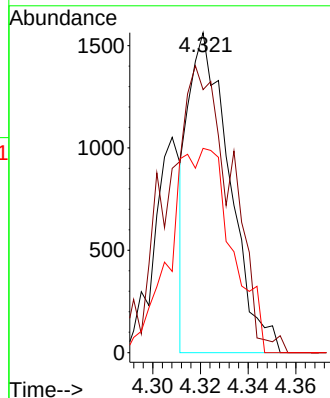
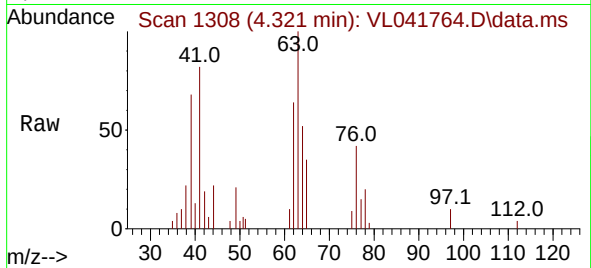
Tgt Ion: 63 Resp: 1878

Ion Ratio Lower Upper

63 100

41 76.9 75.3 112.9

62 63.9 57.3 85.9



#40

1,4-Dioxane

Concen: 0.094 ppbv

RT: 4.606 min Scan# 1396

Delta R.T. 0.026 min

Lab File: VL041764.D

Acq: 16 Dec 2024 22:23

Tgt Ion: 88 Resp: 272

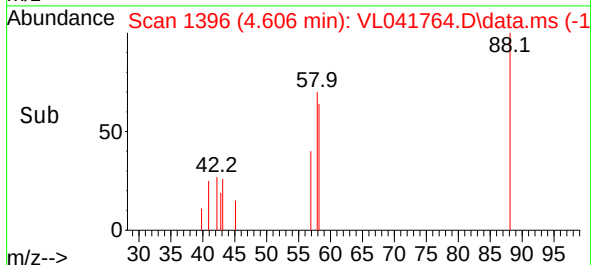
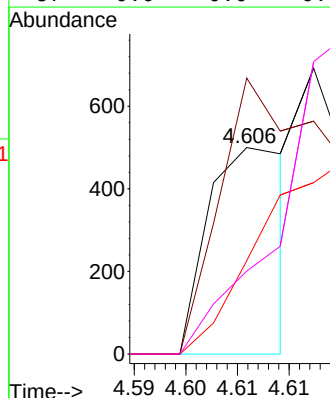
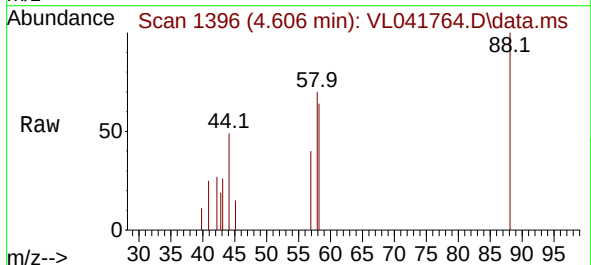
Ion Ratio Lower Upper

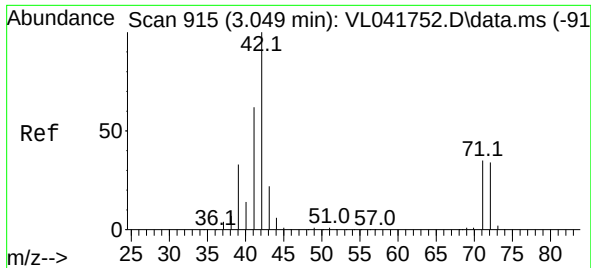
88 100

58 0.0 61.0 91.6#

43 0.0 29.4 44.0#

57 0.0 0.0 0.0

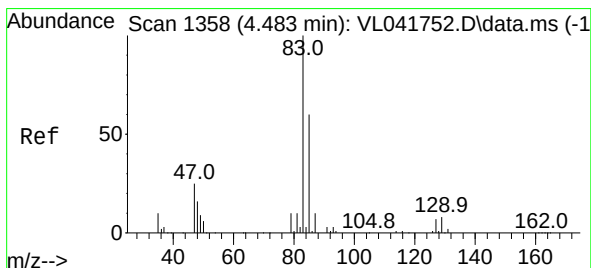
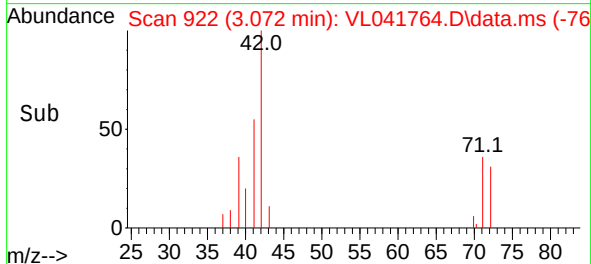
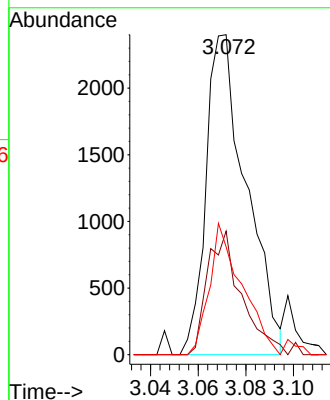
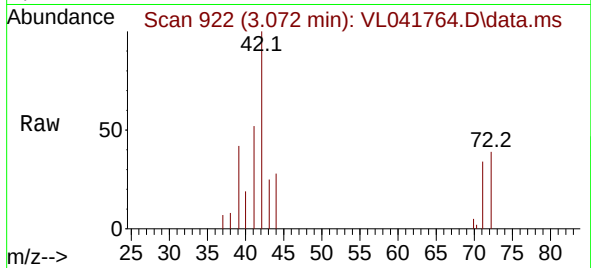




#41
Tetrahydrofuran
Concen: 0.395 ppbv
RT: 3.072 min Scan# 915
Delta R.T. 0.022 min
Lab File: VL041764.D
Acq: 16 Dec 2024 22:23

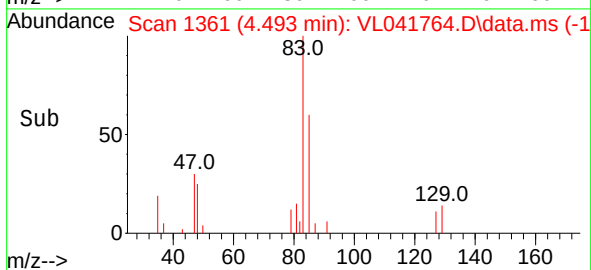
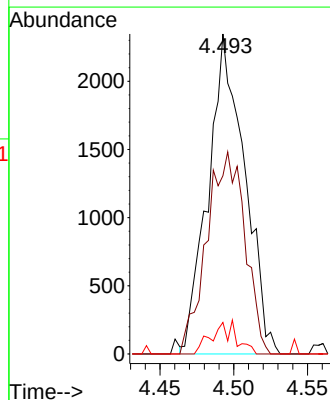
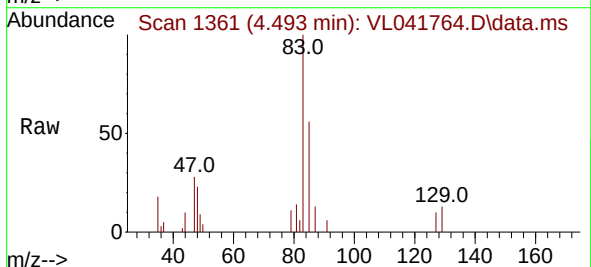
Instrument :
MSVOA_L
ClientSampleId :
MDL 0.4

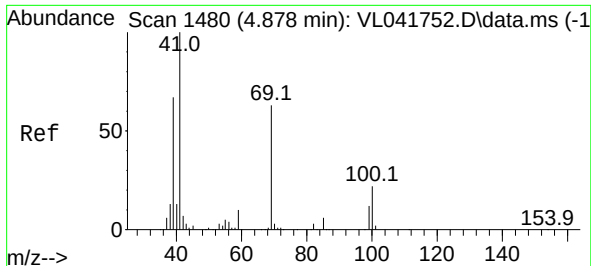
Tgt Ion:	42	Resp:	2817
Ion	Ratio	Lower	Upper
42	100		
72	33.3	29.1	43.7
71	34.8	28.4	42.6



#42
Bromodichloromethane
Concen: 0.345 ppbv
RT: 4.493 min Scan# 1361
Delta R.T. 0.009 min
Lab File: VL041764.D
Acq: 16 Dec 2024 22:23

Tgt Ion:	83	Resp:	4041
Ion	Ratio	Lower	Upper
83	100		
85	55.7	48.0	72.0
127	9.9	5.8	8.8#





#43

Methyl Methacrylate

Concen: 0.114 ppbv

RT: 4.881 min Scan# 1481

Delta R.T. 0.003 min

Lab File: VL041764.D

Acq: 16 Dec 2024 22:23

Instrument :

MSVOA_L

ClientSampleId :

MDL 0.4

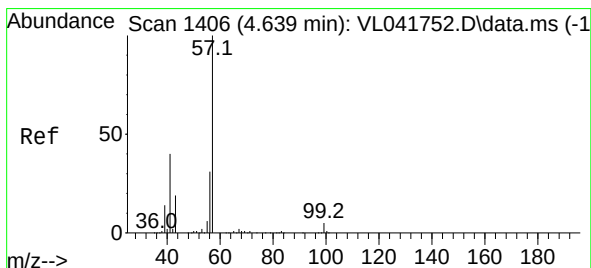
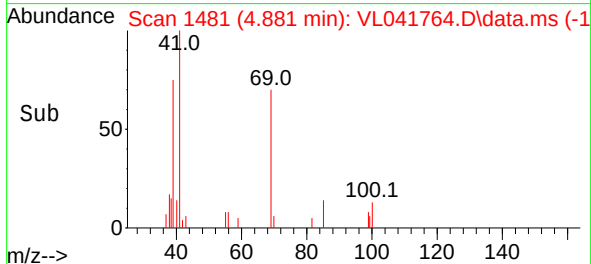
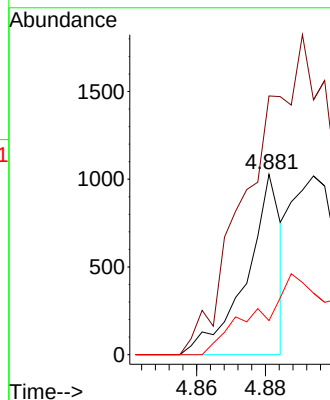
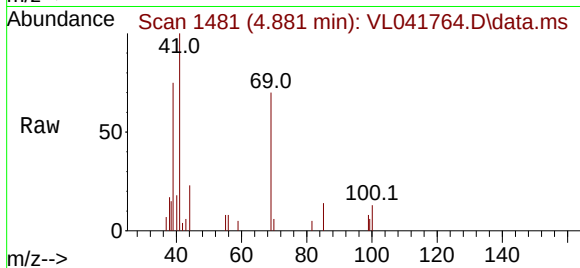
Tgt Ion: 69 Resp: 712

Ion Ratio Lower Upper

69 100

41 0.0 130.3 195.5#

100 0.0 28.3 42.5#



#44

2,2,4-Trimethylpentane

Concen: 0.396 ppbv

RT: 4.641 min Scan# 1407

Delta R.T. 0.003 min

Lab File: VL041764.D

Acq: 16 Dec 2024 22:23

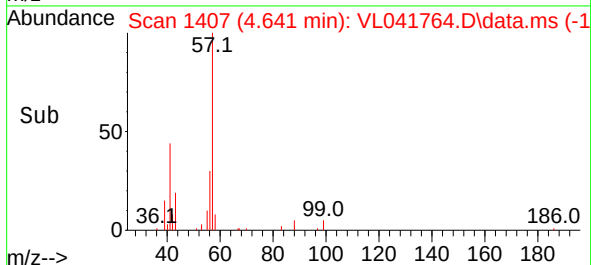
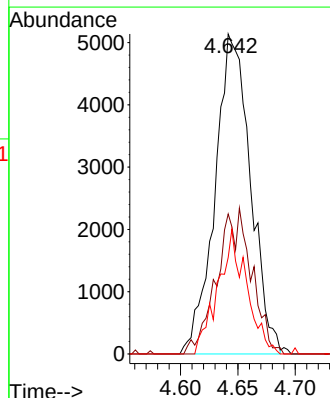
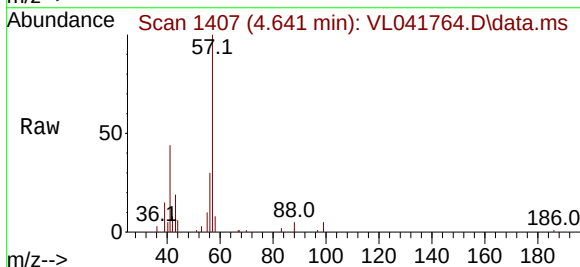
Tgt Ion: 57 Resp: 11058

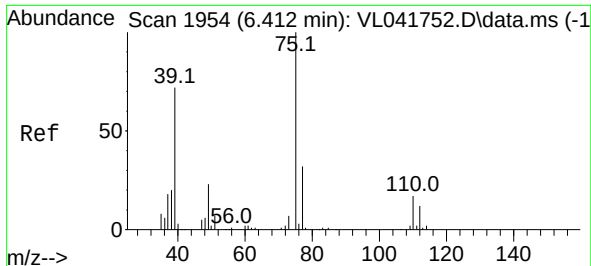
Ion Ratio Lower Upper

57 100

41 44.4 30.7 46.1

56 31.6 25.4 38.0





#45

t-1,3-Dichloropropene

Concen: 0.187 ppbv

RT: 6.422 min Scan# 1954

Delta R.T. 0.009 min

Lab File: VL041764.D

Acq: 16 Dec 2024 22:23

Instrument :

MSVOA_1

ClientSampleId :

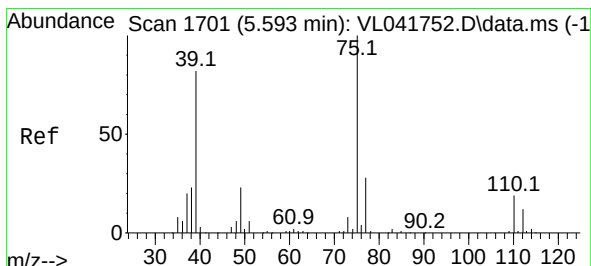
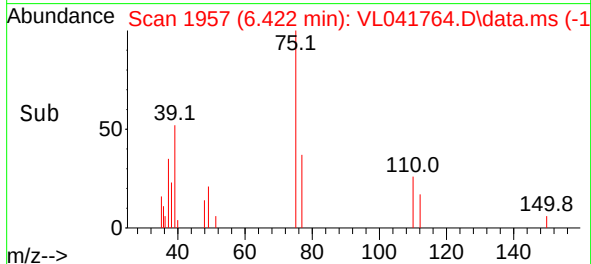
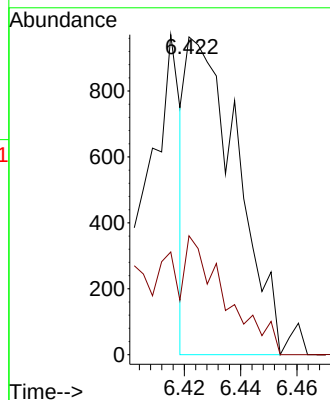
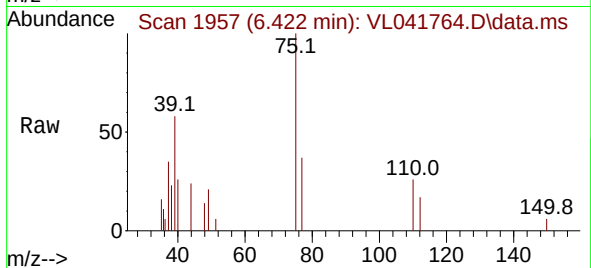
MDL 0.4

Tgt Ion: 75 Resp: 1204

Ion Ratio Lower Upper

75 100

77 37.4 25.9 38.9



#46

cis-1,3-Dichloropropene

Concen: 0.180 ppbv

RT: 5.600 min Scan# 1703

Delta R.T. 0.006 min

Lab File: VL041764.D

Acq: 16 Dec 2024 22:23

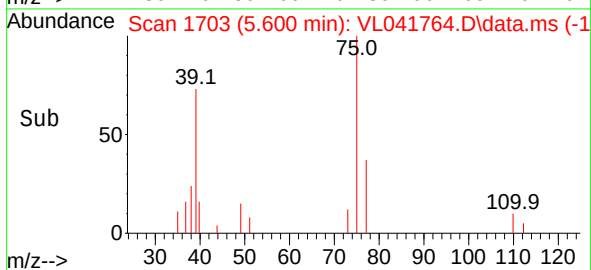
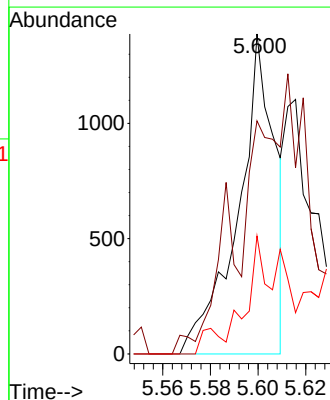
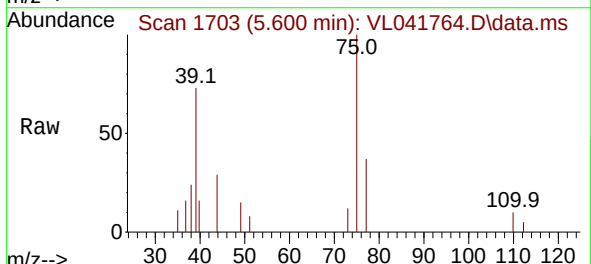
Tgt Ion: 75 Resp: 1477

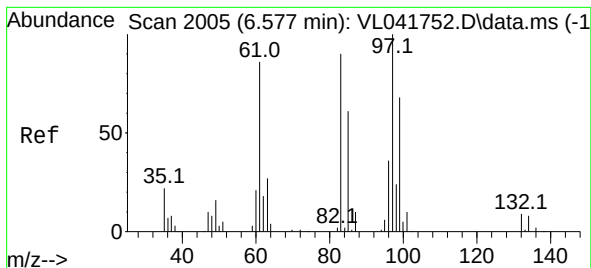
Ion Ratio Lower Upper

75 100

39 67.0 65.2 97.8

77 36.8 22.0 33.0#





#47

1,1,2-Trichloroethane

Concen: 0.253 ppbv

RT: 6.590 min Scan# 2005

Delta R.T. 0.013 min

Lab File: VL041764.D

Acq: 16 Dec 2024 22:23

Instrument :

MSVOA_1

ClientSampleId :

MDL 0.4

Tgt Ion: 97 Resp: 1564

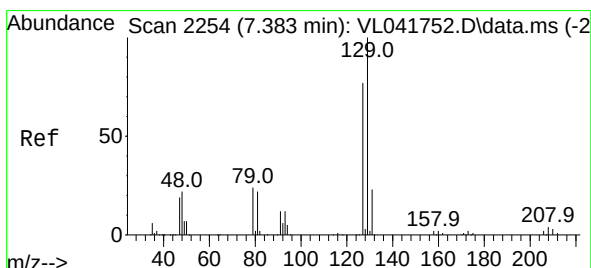
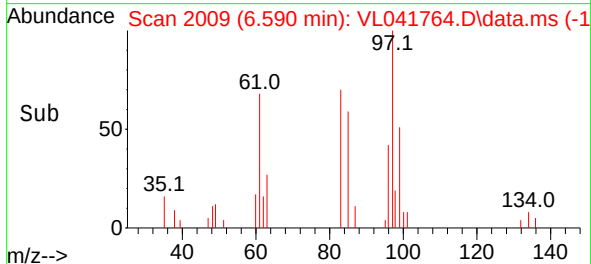
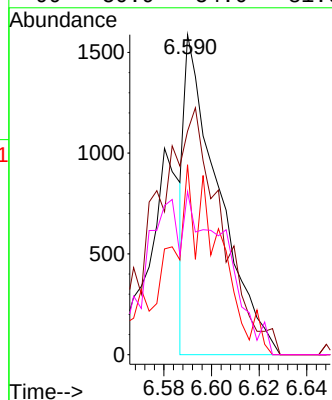
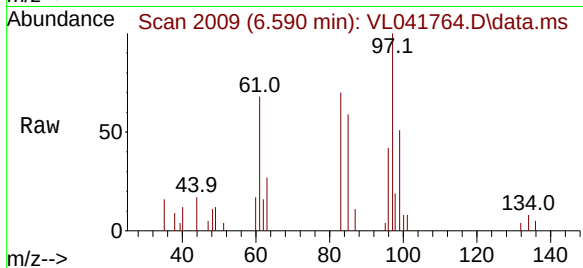
Ion Ratio Lower Upper

97 100

83 69.8 72.3 108.5#

85 59.3 48.5 72.7

99 50.9 54.0 81.0#



#48

Dibromochloromethane

Concen: 0.281 ppbv

RT: 7.396 min Scan# 2258

Delta R.T. 0.013 min

Lab File: VL041764.D

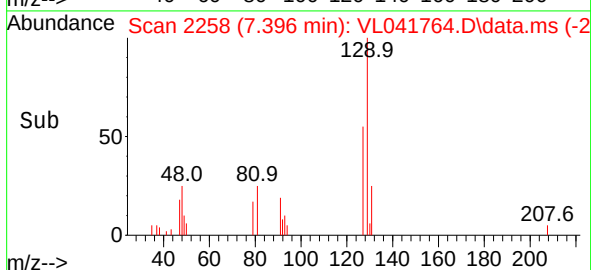
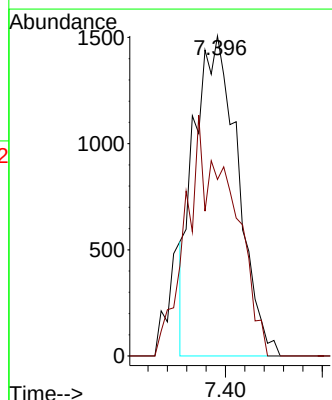
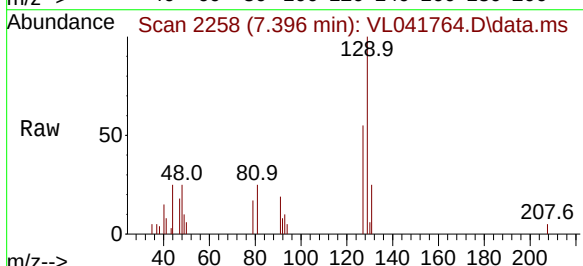
Acq: 16 Dec 2024 22:23

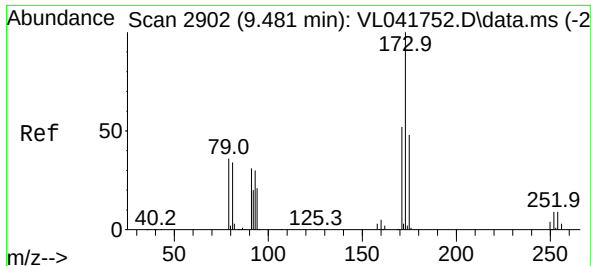
Tgt Ion: 129 Resp: 2374

Ion Ratio Lower Upper

129 100

127 78.9 38.8 116.3





#49

Bromoform

Concen: 0.155 ppbv

RT: 9.490 min Scan# 20

Delta R.T. 0.009 min

Lab File: VL041764.D

Acq: 16 Dec 2024 22:23

Instrument :

MSVOA_1

ClientSampleId :

MDL 0.4

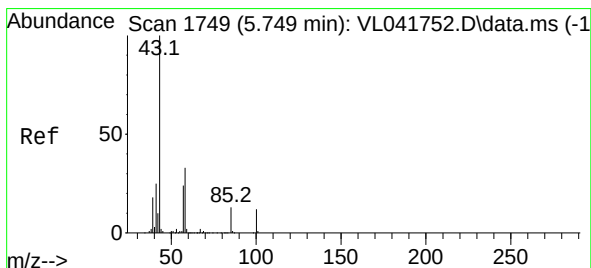
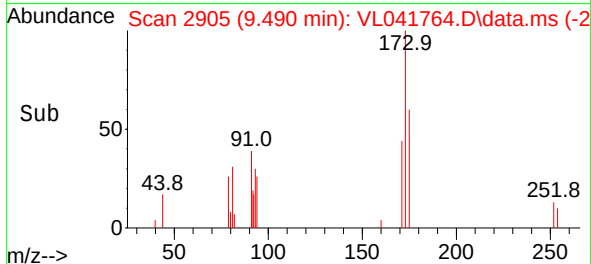
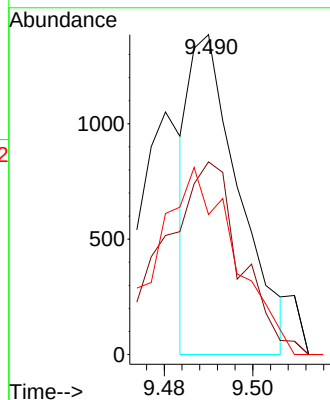
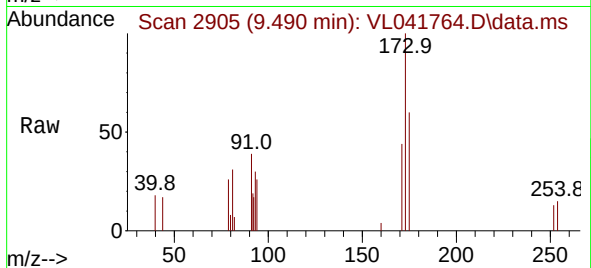
Tgt Ion:173 Resp: 1074

Ion Ratio Lower Upper

173 100

175 95.1 38.2 57.2#

171 89.3 41.1 61.7#



#50

4-Methyl-2-Pentanone

Concen: 0.194 ppbv

RT: 5.774 min Scan# 1757

Delta R.T. 0.026 min

Lab File: VL041764.D

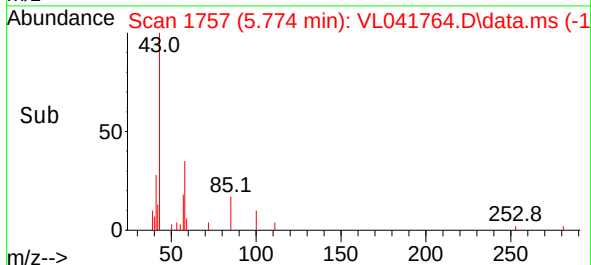
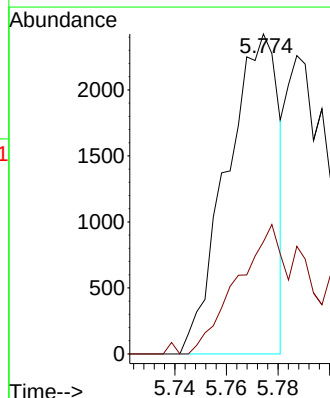
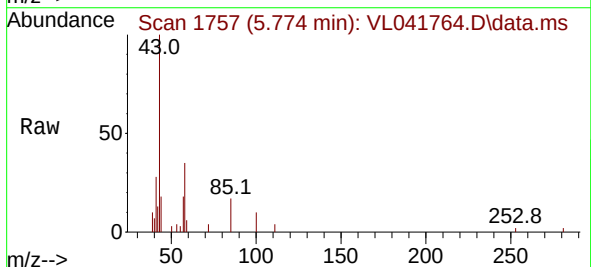
Acq: 16 Dec 2024 22:23

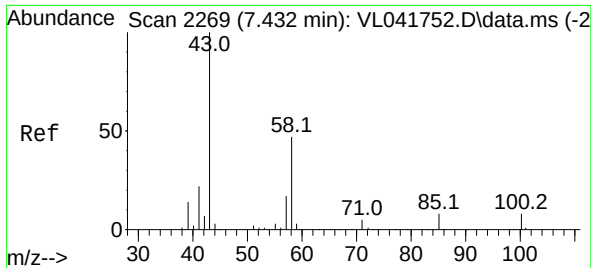
Tgt Ion: 43 Resp: 3371

Ion Ratio Lower Upper

43 100

58 61.6 26.8 40.2#

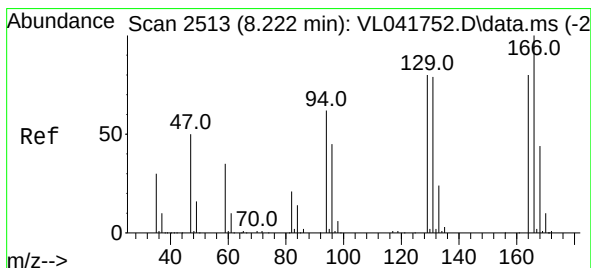
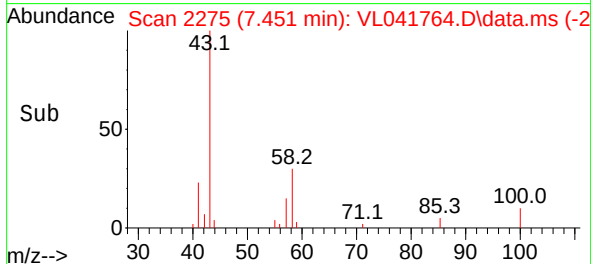
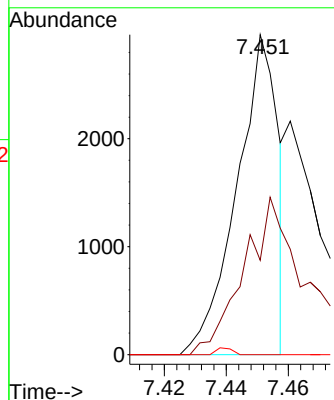
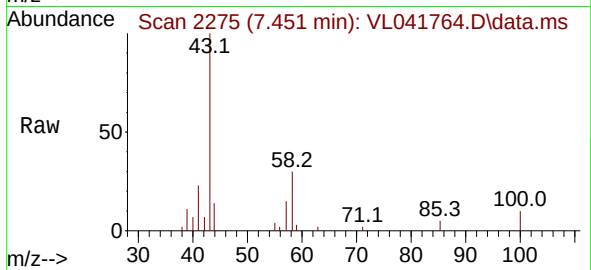




#51
2-Hexanone
Concen: 0.195 ppbv
RT: 7.451 min Scan# 21
Delta R.T. 0.019 min
Lab File: VL041764.D
Acq: 16 Dec 2024 22:23

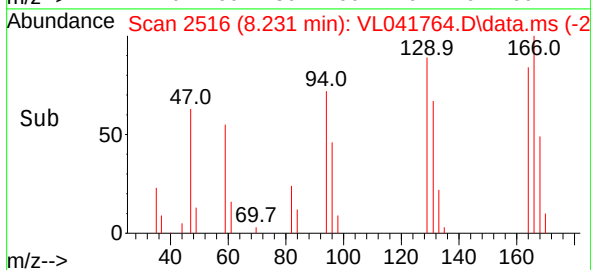
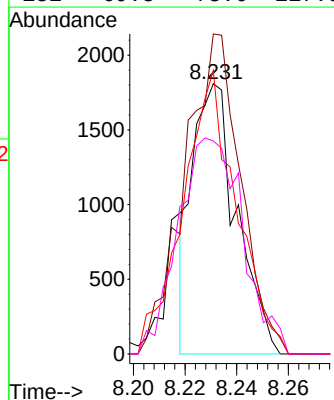
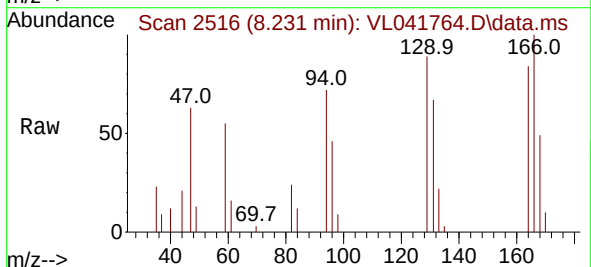
Instrument :
MSVOA_L
ClientSampleId :
MDL 0.4

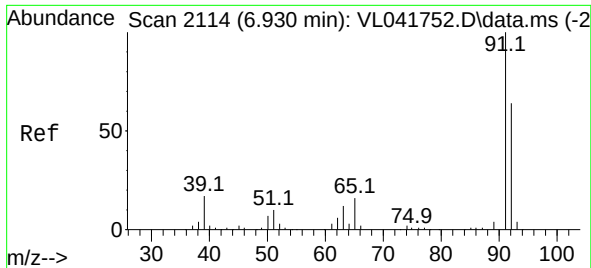
Tgt Ion: 43 Resp: 2733
Ion Ratio Lower Upper
43 100
58 78.8 36.6 55.0#
98 0.8 0.1 0.1#



#52
Tetrachloroethene
Concen: 0.355 ppbv
RT: 8.231 min Scan# 2516
Delta R.T. 0.009 min
Lab File: VL041764.D
Acq: 16 Dec 2024 22:23

Tgt Ion: 164 Resp: 2160
Ion Ratio Lower Upper
164 100
166 112.5 99.8 149.6
129 98.4 79.6 119.4
131 69.3 78.6 117.8#





#53

Toluene

Concen: 0.237 ppbv

RT: 6.946 min Scan# 2114

Delta R.T. 0.016 min

Lab File: VL041764.D

Acq: 16 Dec 2024 22:23

Instrument :

MSVOA_L

ClientSampleId :

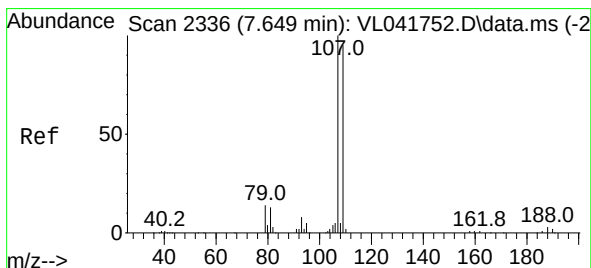
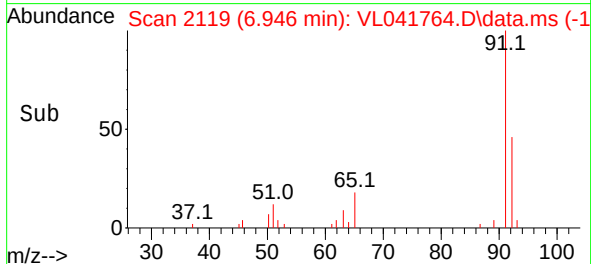
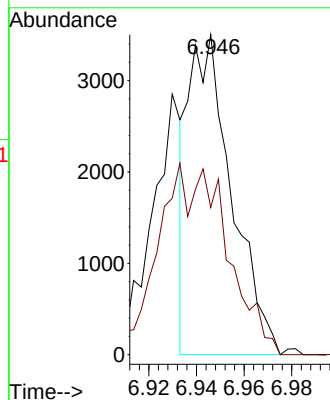
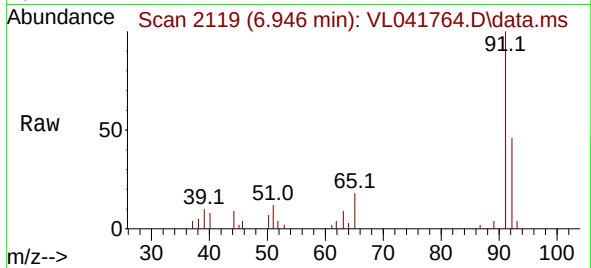
MDL 0.4

Tgt Ion: 91 Resp: 4397

Ion Ratio Lower Upper

91 100

92 0.0 47.9 71.9#



#54

1,2-Dibromoethane

Concen: 0.192 ppbv

RT: 7.655 min Scan# 2338

Delta R.T. 0.006 min

Lab File: VL041764.D

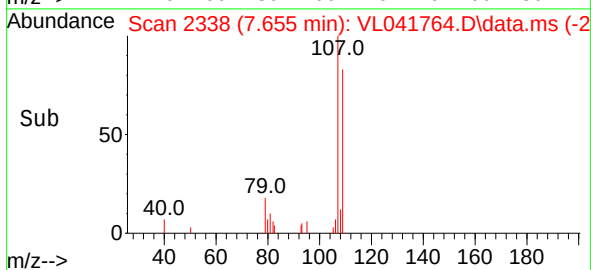
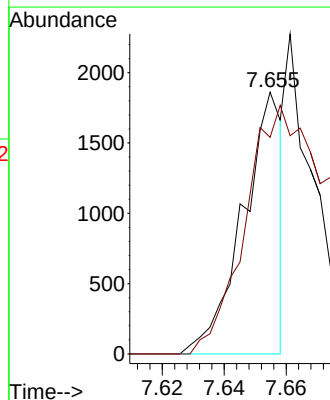
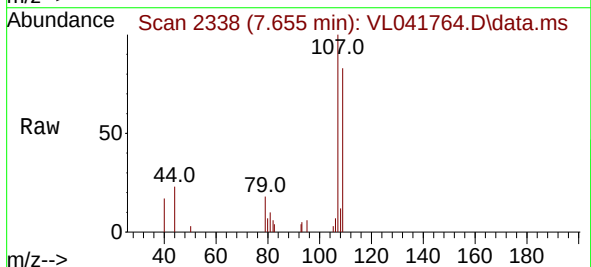
Acq: 16 Dec 2024 22:23

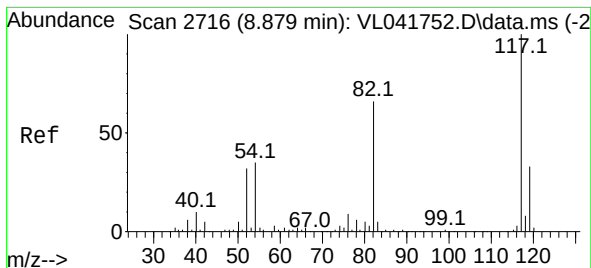
Tgt Ion: 107 Resp: 1635

Ion Ratio Lower Upper

107 100

109 82.8 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: VL041764.D

Acq: 16 Dec 2024 22:23

Instrument :

MSVOA_L

ClientSampleId :

MDL 0.4

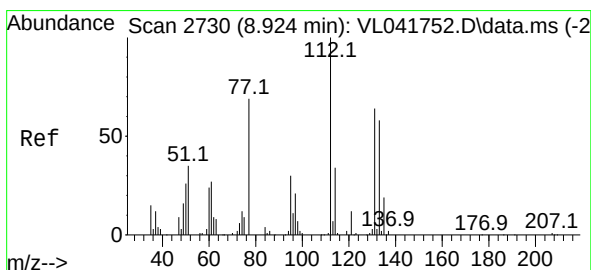
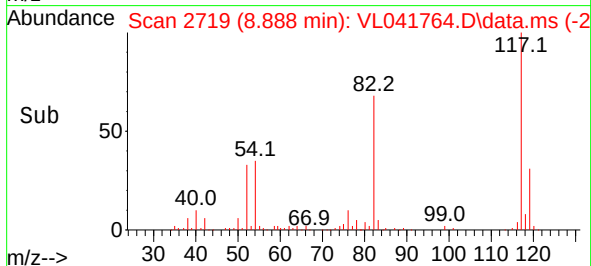
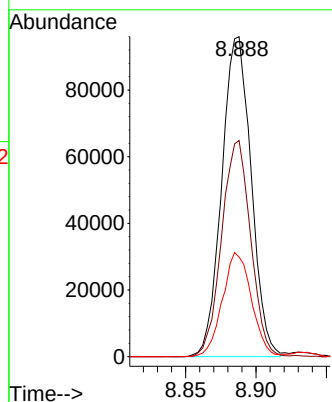
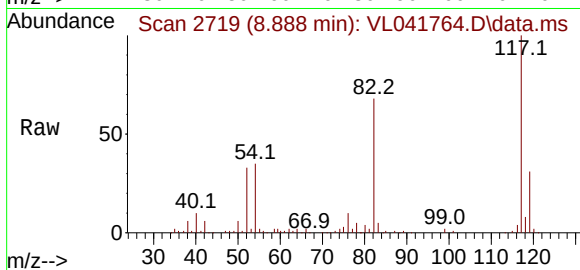
Tgt Ion:117 Resp: 139548

Ion Ratio Lower Upper

117 100

82 66.8 53.8 80.8

119 33.3 26.7 40.1



#56

1,1,1,2-Tetrachloroethane

Concen: 0.393 ppbv

RT: 8.930 min Scan# 2732

Delta R.T. 0.006 min

Lab File: VL041764.D

Acq: 16 Dec 2024 22:23

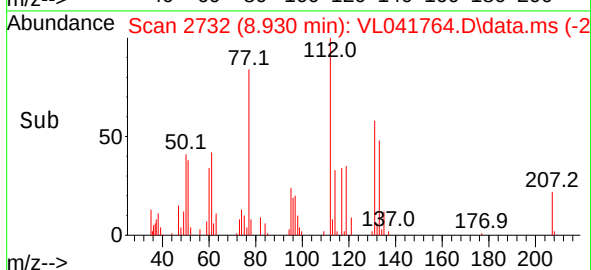
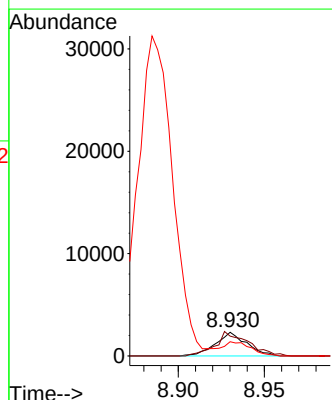
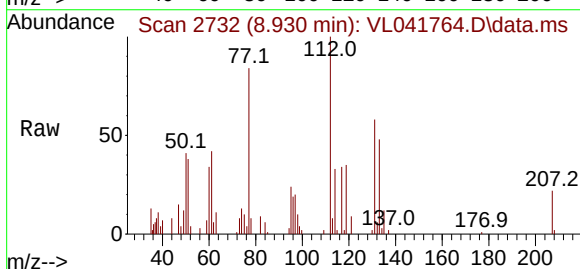
Tgt Ion:131 Resp: 2906

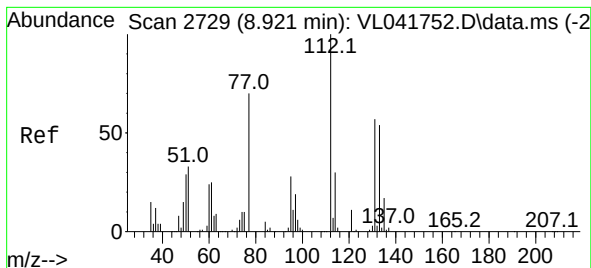
Ion Ratio Lower Upper

131 100

133 108.3 76.8 115.2

119 1602.0 49.0 73.6#





#57

Chlorobenzene

Concen: 0.446 ppbv

RT: 8.924 min Scan# 21

Delta R.T. 0.003 min

Lab File: VL041764.D

Acq: 16 Dec 2024 22:23

Instrument :

MSVOA_L

ClientSampleId :

MDL 0.4

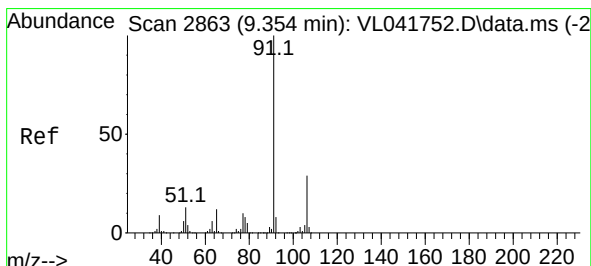
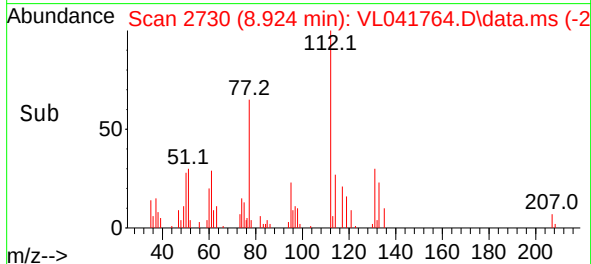
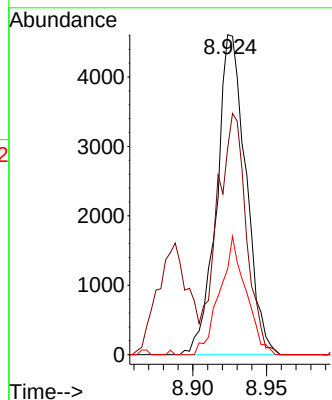
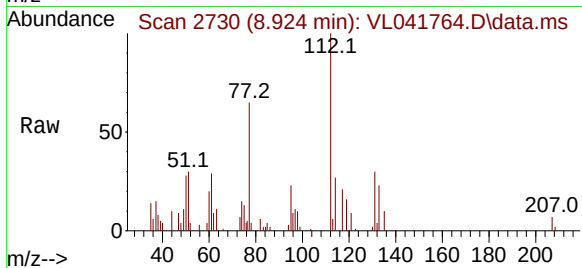
Tgt Ion:112 Resp: 6373

Ion Ratio Lower Upper

112 100

77 64.6 57.4 86.0

114 26.8 27.4 33.4#



#58

Ethyl Benzene

Concen: 0.353 ppbv

RT: 9.364 min Scan# 2866

Delta R.T. 0.009 min

Lab File: VL041764.D

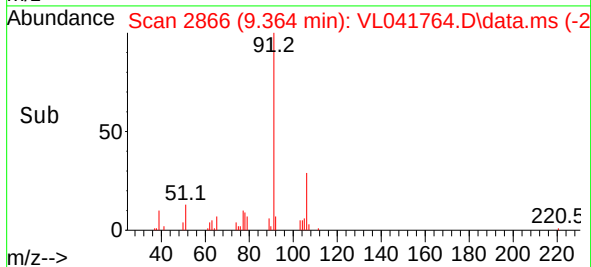
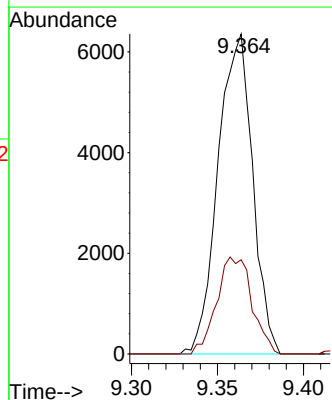
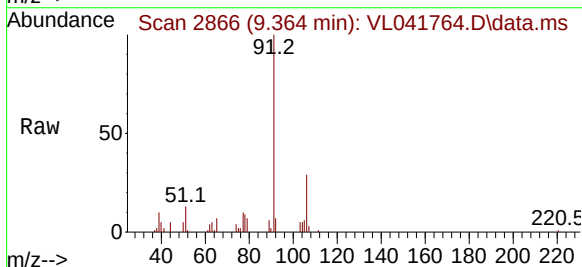
Acq: 16 Dec 2024 22:23

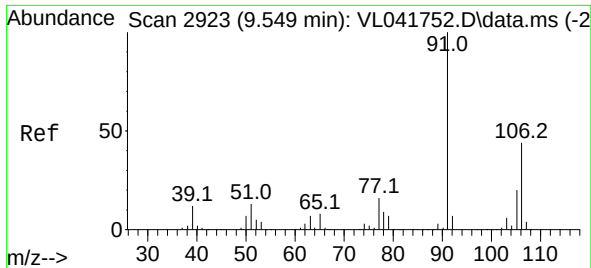
Tgt Ion: 91 Resp: 8868

Ion Ratio Lower Upper

91 100

106 29.4 23.5 35.3





#59

m/p-Xylene

Concen: 0.358 ppbv

RT: 9.558 min Scan# 2923

Delta R.T. 0.009 min

Lab File: VL041764.D

Acq: 16 Dec 2024 22:23

Instrument :

MSVOA_1

ClientSampleId :

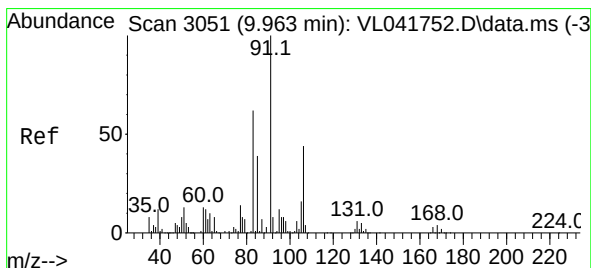
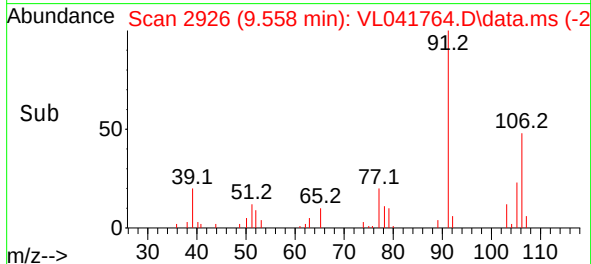
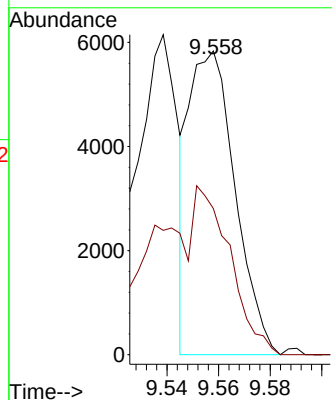
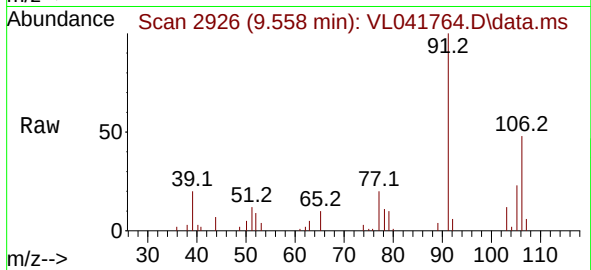
MDL 0.4

Tgt Ion: 91 Resp: 7238

Ion Ratio Lower Upper

91 100

106 91.9 0.0 0.0#



#60

o-Xylene

Concen: 0.370 ppbv

RT: 9.972 min Scan# 3054

Delta R.T. 0.009 min

Lab File: VL041764.D

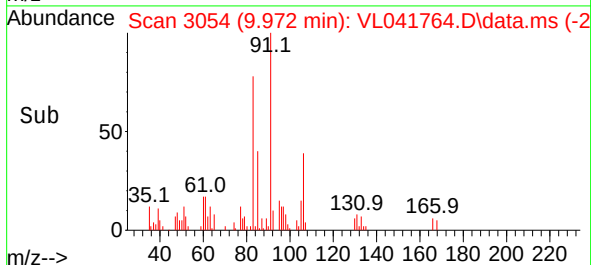
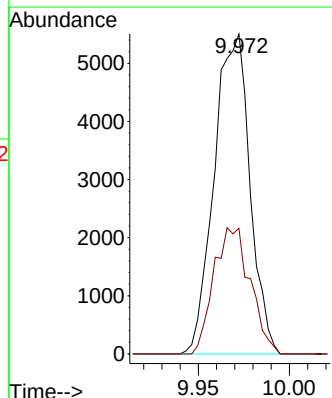
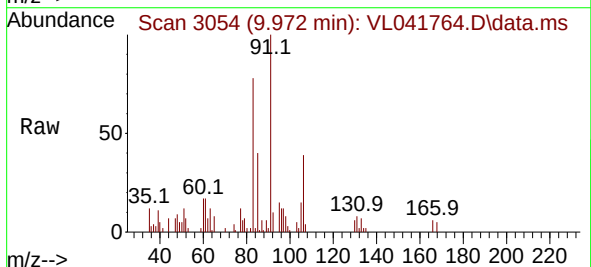
Acq: 16 Dec 2024 22:23

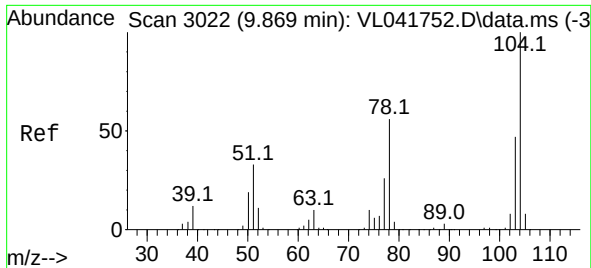
Tgt Ion: 91 Resp: 7499

Ion Ratio Lower Upper

91 100

106 40.4 21.1 63.4

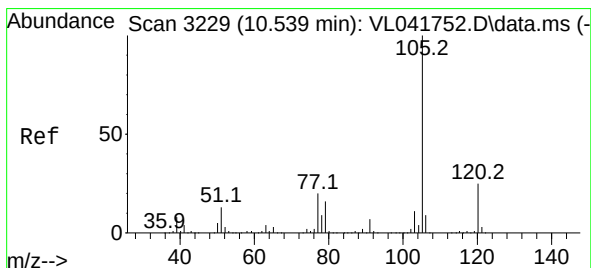
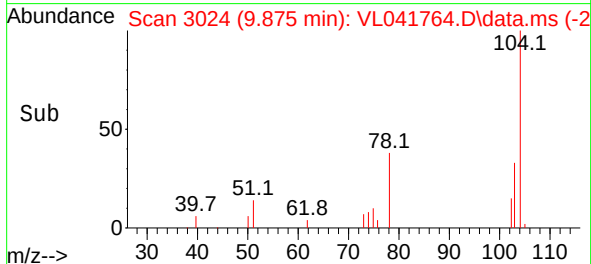
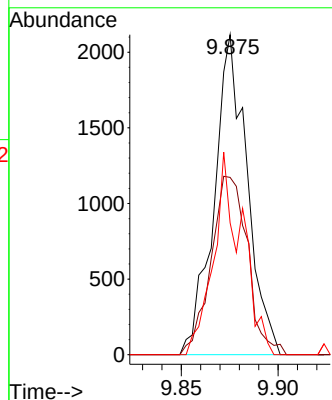
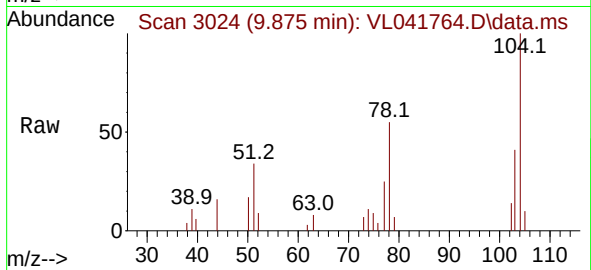




#61
Styrene
Concen: 0.286 ppbv
RT: 9.875 min Scan# 3022
Delta R.T. 0.006 min
Lab File: VL041764.D
Acq: 16 Dec 2024 22:23

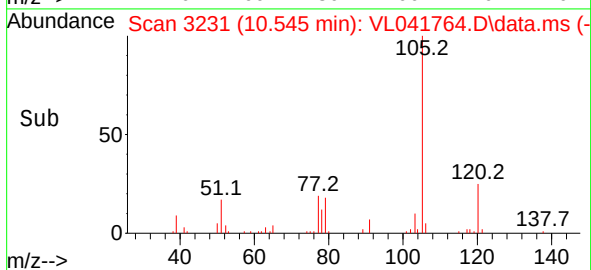
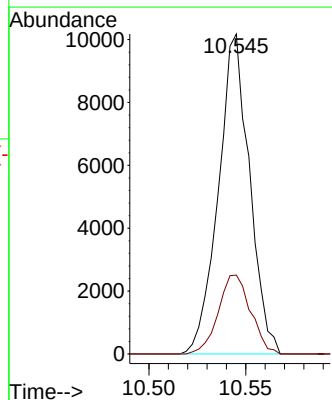
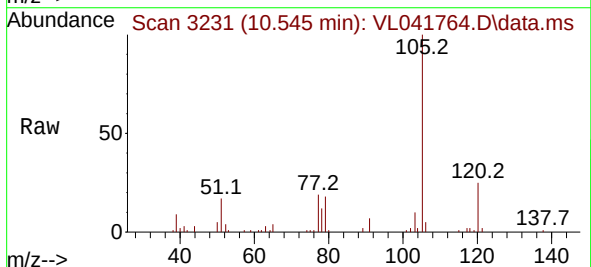
Instrument :
MSVOA_L
ClientSampleId :
MDL 0.4

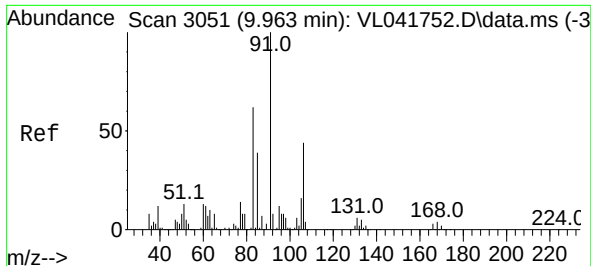
Tgt Ion:104 Resp: 2508
Ion Ratio Lower Upper
104 100
78 61.7 43.8 65.6
103 54.7 37.8 56.6



#62
Isopropylbenzene
Concen: 0.374 ppbv
RT: 10.545 min Scan# 3231
Delta R.T. 0.006 min
Lab File: VL041764.D
Acq: 16 Dec 2024 22:23

Tgt Ion:105 Resp: 11386
Ion Ratio Lower Upper
105 100
120 25.5 19.8 29.8





#63

1,1,2,2-Tetrachloroethane

Concen: 0.404 ppbv

RT: 9.972 min Scan# 3051

Delta R.T. 0.009 min

Lab File: VL041764.D

Acq: 16 Dec 2024 22:23

Instrument :

MSVOA_L

ClientSampleId :

MDL 0.4

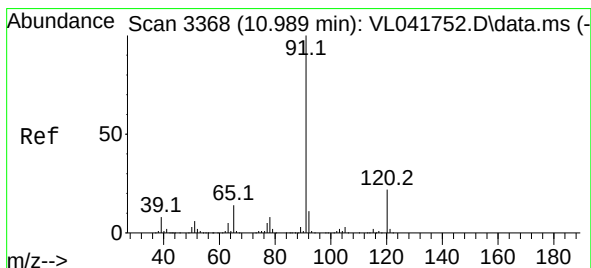
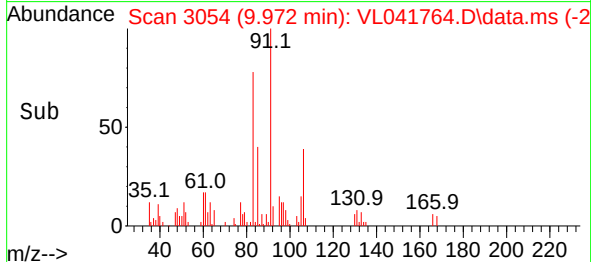
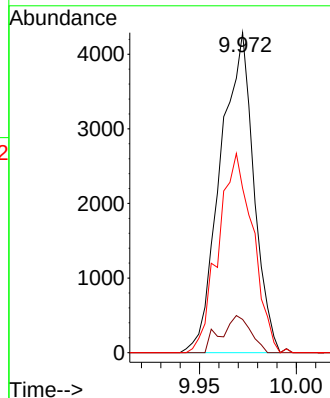
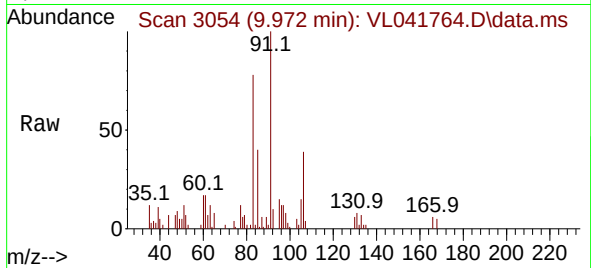
Tgt Ion: 83 Resp: 5129

Ion Ratio Lower Upper

83 100

131 10.2 4.9 14.7

85 64.9 32.0 96.2



#64

n-propylbenzene

Concen: 0.377 ppbv

RT: 10.992 min Scan# 3369

Delta R.T. 0.003 min

Lab File: VL041764.D

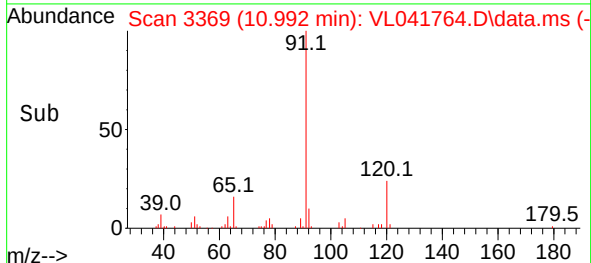
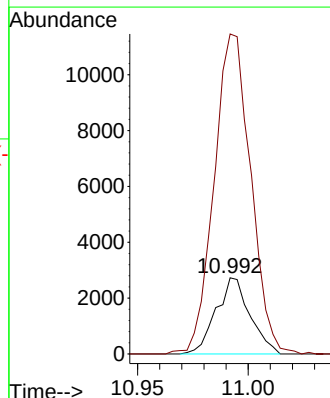
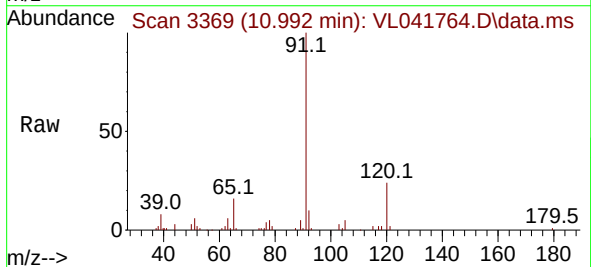
Acq: 16 Dec 2024 22:23

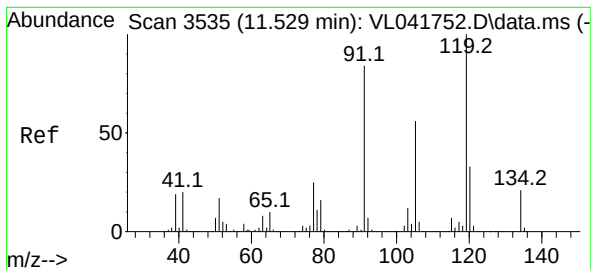
Tgt Ion:120 Resp: 2900

Ion Ratio Lower Upper

120 100

91 455.0 387.3 580.9





#65

tert-Butylbenzene

Concen: 0.342 ppbv

RT: 11.536 min Scan# 3537

Delta R.T. 0.006 min

Lab File: VL041764.D

Acq: 16 Dec 2024 22:23

Instrument :

MSVOA_L

ClientSampleId :

MDL 0.4

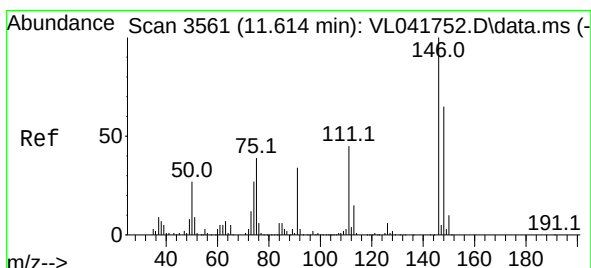
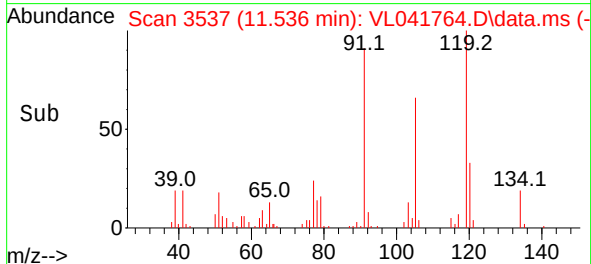
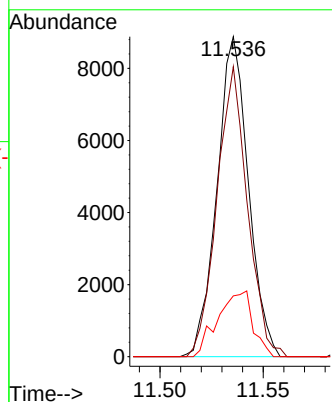
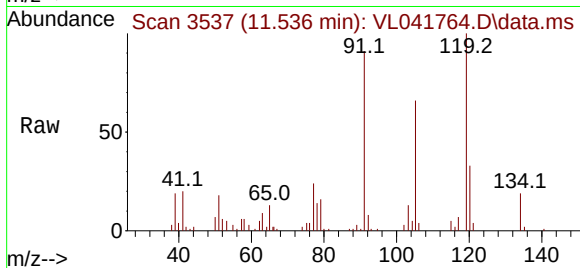
Tgt Ion:119 Resp: 9394

Ion Ratio Lower Upper

119 100

91 87.9 67.0 100.4

134 22.7 16.5 24.7



#66

Benzyl Chloride

Concen: 0.314 ppbv

RT: 11.620 min Scan# 3563

Delta R.T. 0.006 min

Lab File: VL041764.D

Acq: 16 Dec 2024 22:23

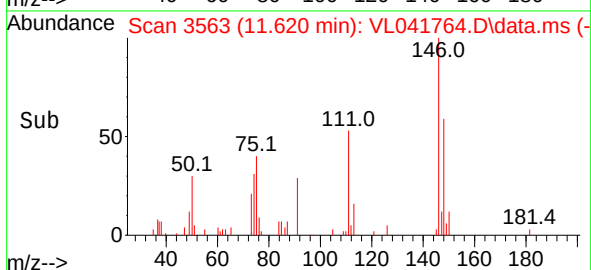
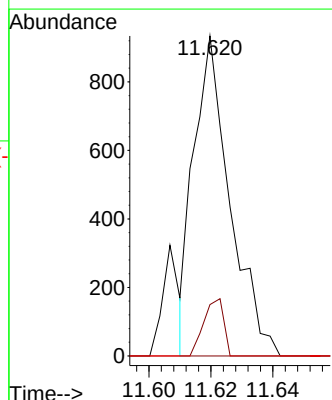
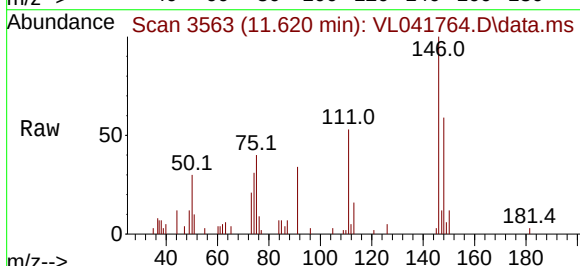
Tgt Ion: 91 Resp: 760

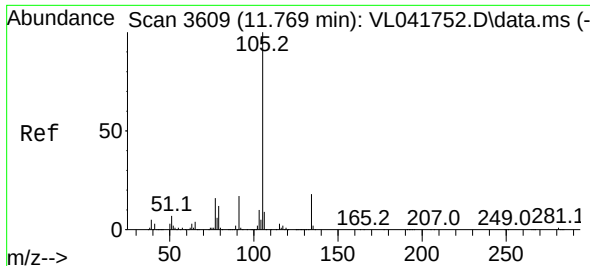
Ion Ratio Lower Upper

91 100

126 9.7 13.9 20.9#

128 0.0 4.4 6.6#





#67

sec-Butylbenzene

Concen: 0.362 ppbv

RT: 11.772 min Scan# 3610

Delta R.T. 0.003 min

Lab File: VL041764.D

Acq: 16 Dec 2024 22:23

Instrument :

MSVOA_L

ClientSampleId :

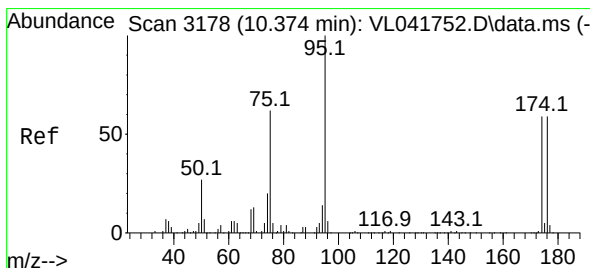
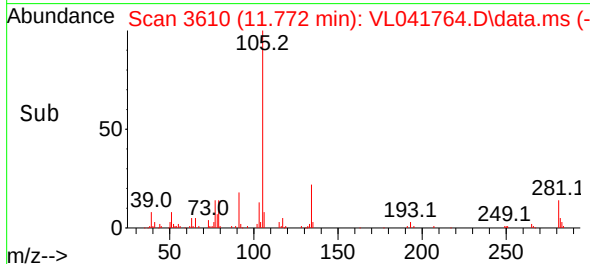
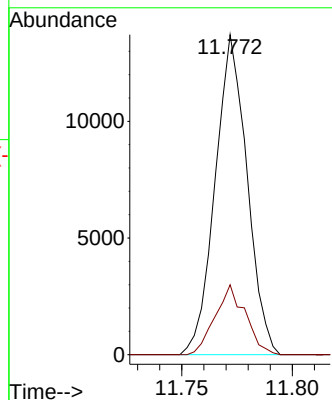
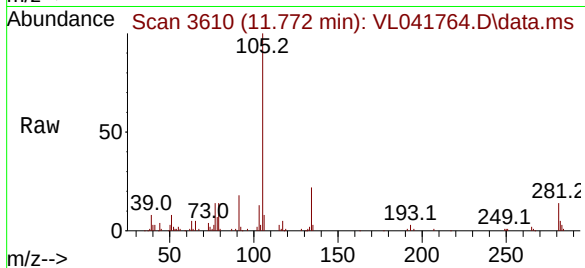
MDL 0.4

Tgt Ion:105 Resp: 13746

Ion Ratio Lower Upper

105 100

134 20.7 14.5 21.7



#68

1-Bromo-4-Fluorobenzene

Concen: 10.022 ppbv

RT: 10.380 min Scan# 3180

Delta R.T. 0.006 min

Lab File: VL041764.D

Acq: 16 Dec 2024 22:23

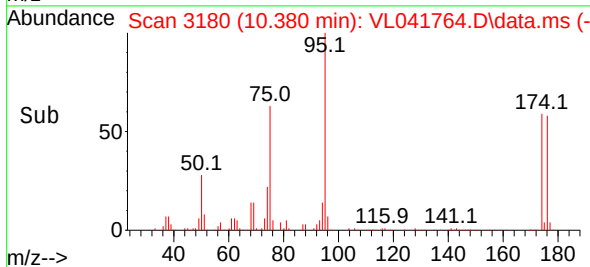
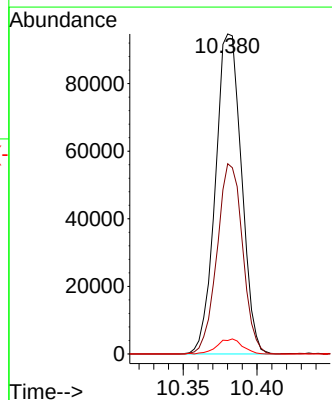
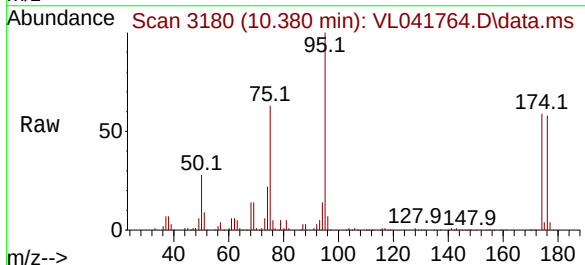
Tgt Ion: 95 Resp: 116542

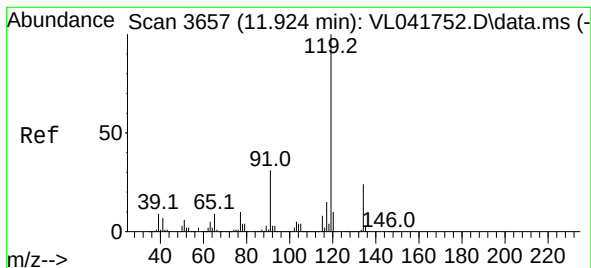
Ion Ratio Lower Upper

95 100

174 58.2 47.6 71.4

175 4.5 3.7 5.5





#69

p-Isopropyltoluene

Concen: 0.333 ppbv

RT: 11.934 min Scan# 3660

Delta R.T. 0.009 min

Lab File: VL041764.D

Acq: 16 Dec 2024 22:23

Instrument :

MSVOA_L

ClientSampleId :

MDL 0.4

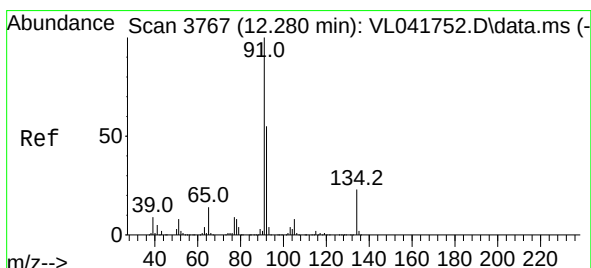
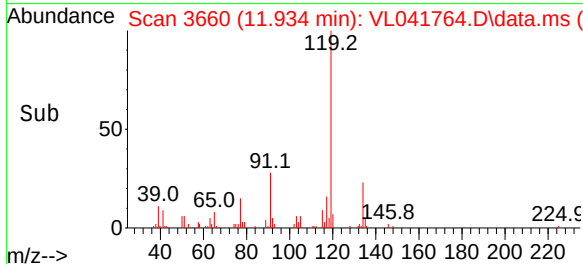
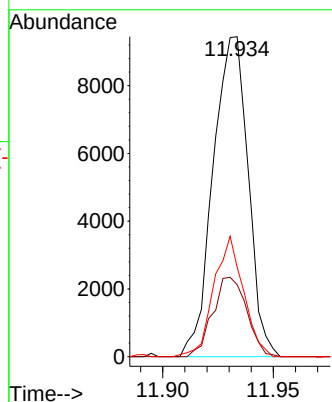
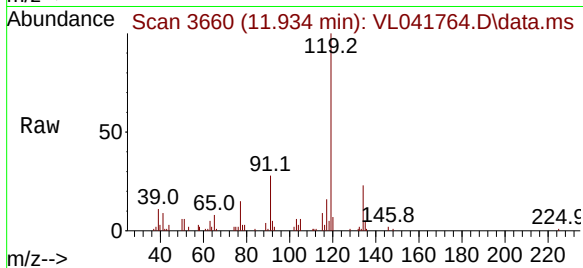
Tgt Ion:119 Resp: 10417

Ion Ratio Lower Upper

119 100

134 24.0 19.6 29.4

91 32.0 24.4 36.6



#70

n-Butylbenzene

Concen: 0.327 ppbv

RT: 12.286 min Scan# 3769

Delta R.T. 0.006 min

Lab File: VL041764.D

Acq: 16 Dec 2024 22:23

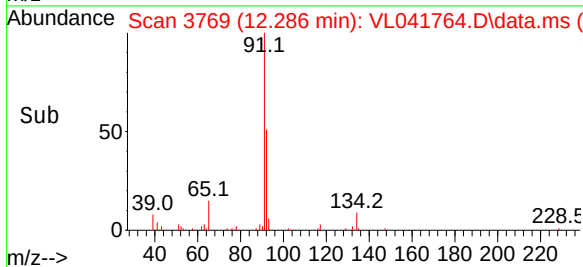
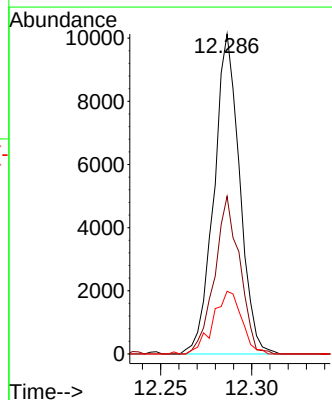
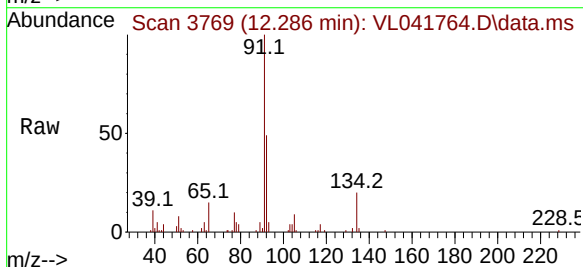
Tgt Ion: 91 Resp: 9906

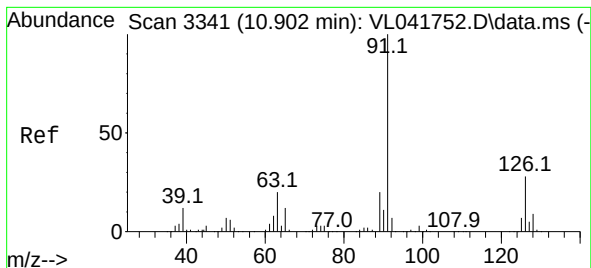
Ion Ratio Lower Upper

91 100

92 48.2 43.2 64.8

134 21.9 18.2 27.4





#71

2-Chlorotoluene

Concen: 0.359 ppbv

RT: 10.908 min Scan# 3412

Delta R.T. 0.006 min

Lab File: VL041764.D

Acq: 16 Dec 2024 22:23

Instrument :

MSVOA_L

ClientSampleId :

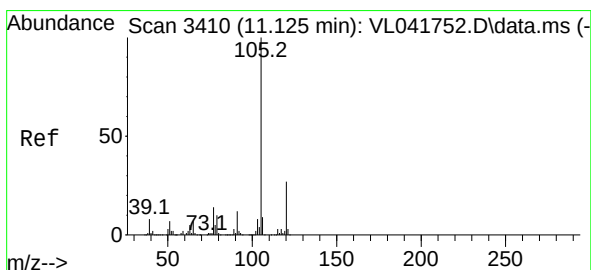
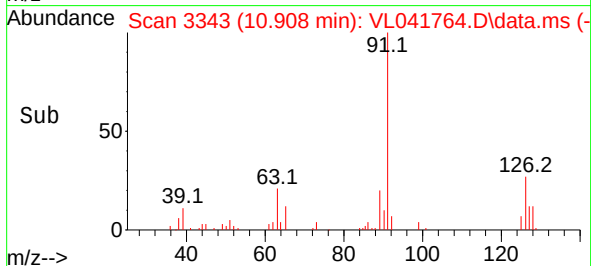
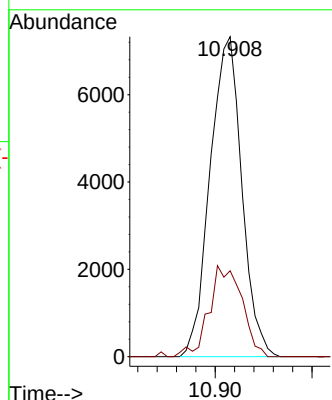
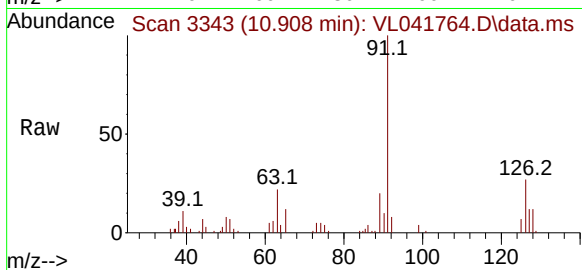
MDL 0.4

Tgt Ion: 91 Resp: 8338

Ion Ratio Lower Upper

91 100

126 29.7 11.6 46.4



#72

4-Ethyltoluene

Concen: 0.326 ppbv

RT: 11.131 min Scan# 3412

Delta R.T. 0.006 min

Lab File: VL041764.D

Acq: 16 Dec 2024 22:23

Tgt Ion: 105 Resp: 7801

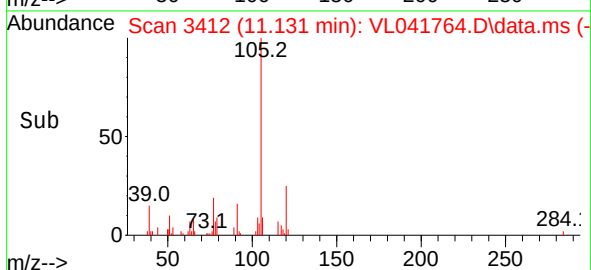
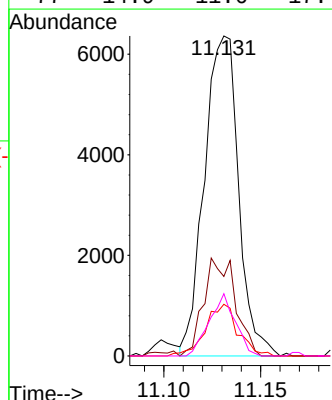
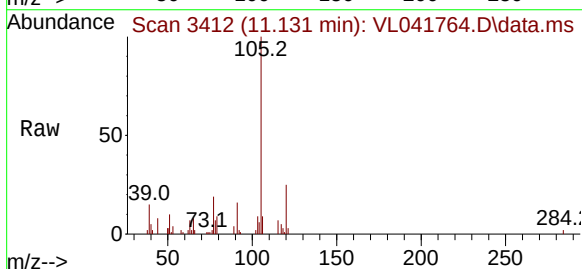
Ion Ratio Lower Upper

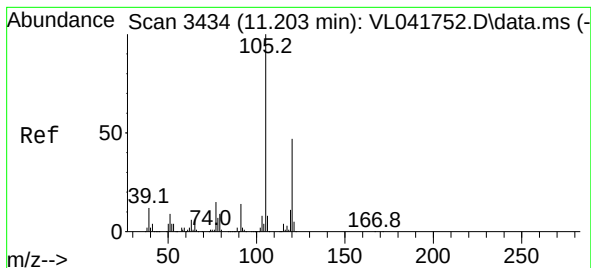
105 100

120 29.3 23.3 34.9

91 15.4 10.9 16.3

77 14.9 11.6 17.4





#73

1,3,5-Trimethylbenzene

Concen: 0.345 ppbv

RT: 11.209 min Scan# 3434

Delta R.T. 0.006 min

Lab File: VL041764.D

Acq: 16 Dec 2024 22:23

Instrument :

MSVOA_L

ClientSampleId :

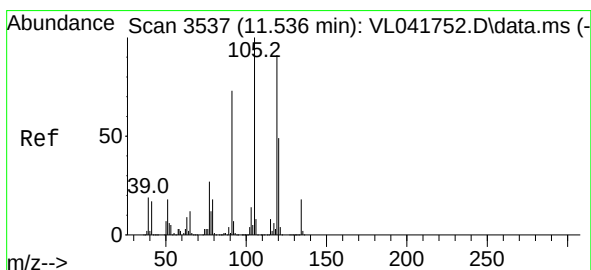
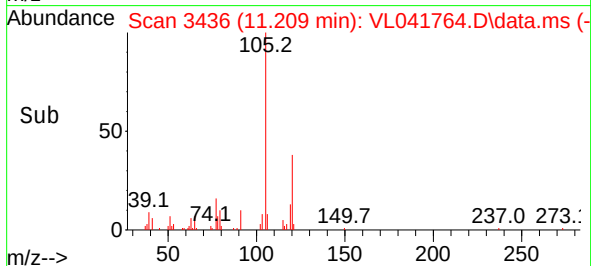
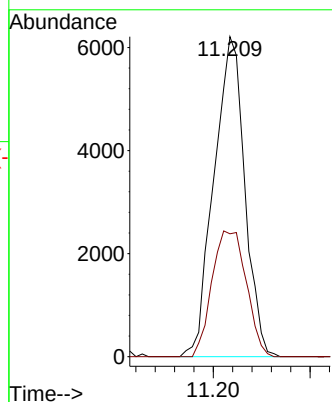
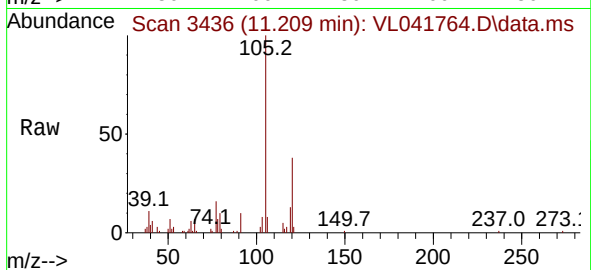
MDL 0.4

Tgt Ion:105 Resp: 6852

Ion Ratio Lower Upper

105 100

120 38.4 37.4 56.2



#74

1,2,4-Trimethylbenzene

Concen: 0.344 ppbv

RT: 11.542 min Scan# 3539

Delta R.T. 0.006 min

Lab File: VL041764.D

Acq: 16 Dec 2024 22:23

Tgt Ion:105 Resp: 7340

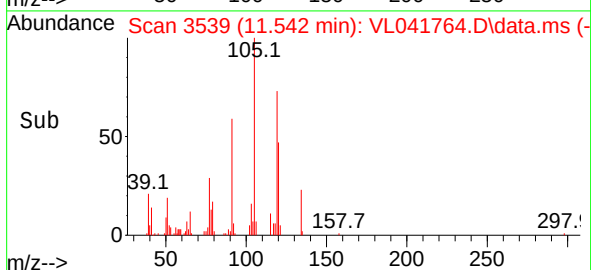
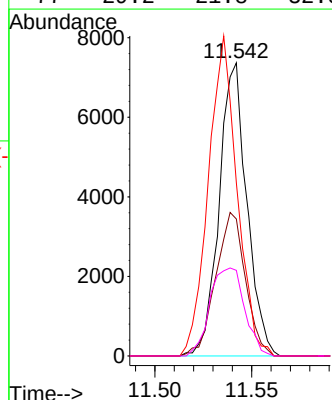
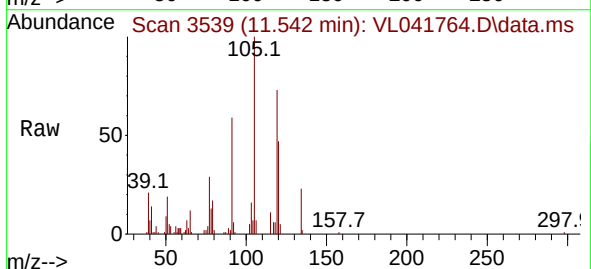
Ion Ratio Lower Upper

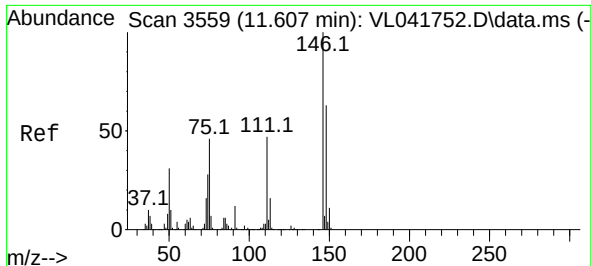
105 100

120 46.8 39.0 58.4

91 59.1 58.1 87.1

77 29.2 21.8 32.8





#75

1,3-Dichlorobenzene

Concen: 0.409 ppbv

RT: 11.613 min Scan# 3561

Delta R.T. 0.006 min

Lab File: VL041764.D

Acq: 16 Dec 2024 22:23

Instrument :

MSVOA_1

ClientSampleId :

MDL 0.4

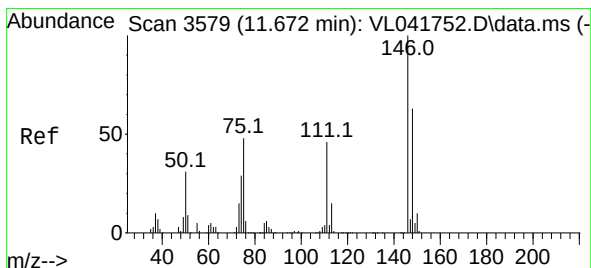
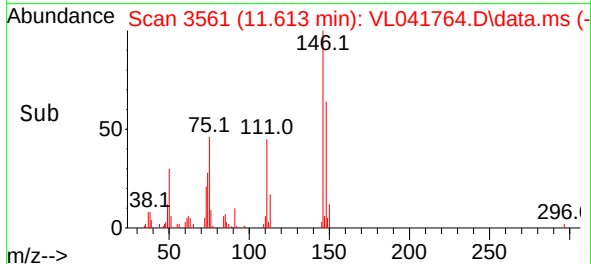
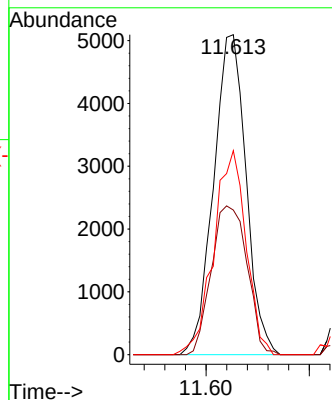
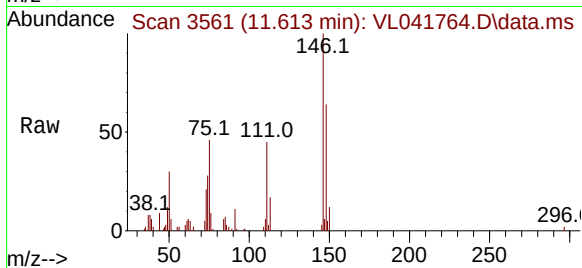
Tgt Ion:146 Resp: 5568

Ion Ratio Lower Upper

146 100

111 51.2 23.4 70.3

148 63.4 31.6 95.0



#76

1,4-Dichlorobenzene

Concen: 0.383 ppbv

RT: 11.675 min Scan# 3580

Delta R.T. 0.003 min

Lab File: VL041764.D

Acq: 16 Dec 2024 22:23

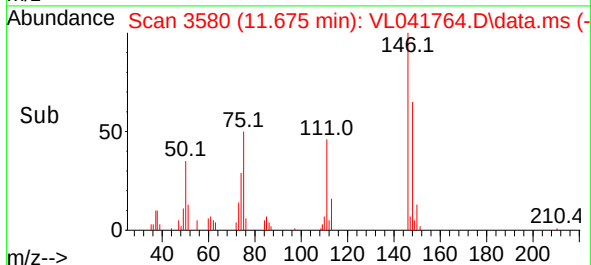
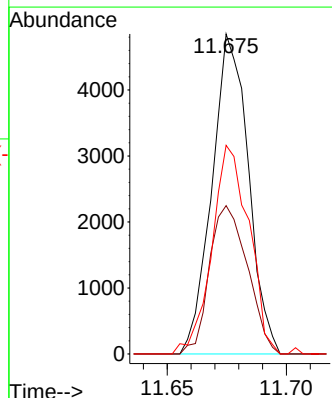
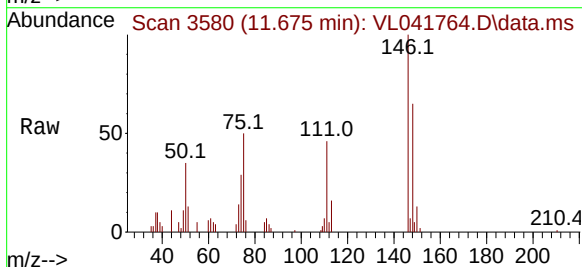
Tgt Ion:146 Resp: 5142

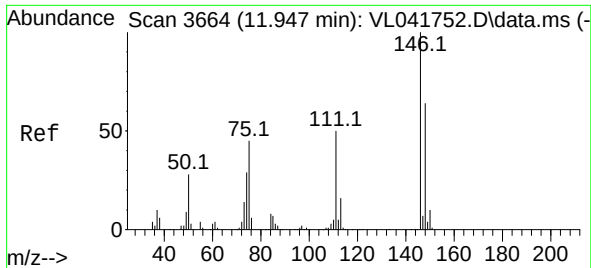
Ion Ratio Lower Upper

146 100

111 48.6 22.7 68.1

148 66.9 31.4 94.0

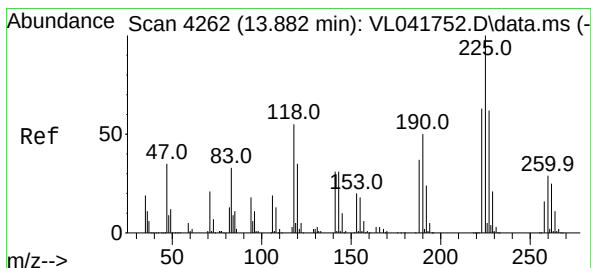
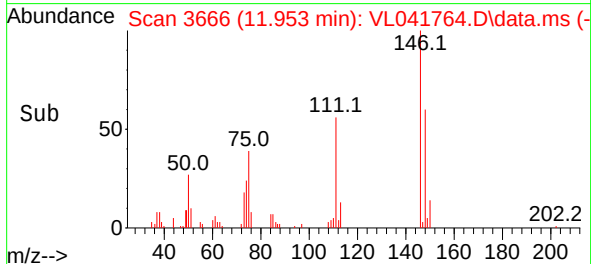
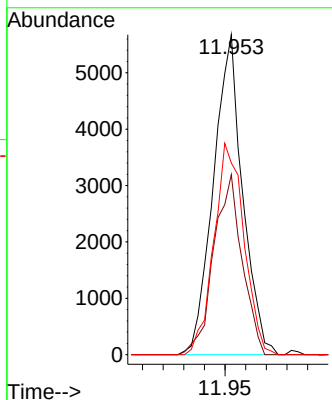
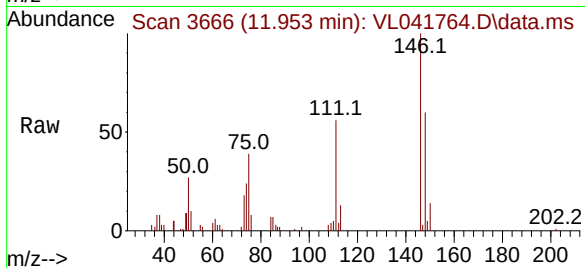




#77
1,2-Dichlorobenzene
Concen: 0.426 ppbv
RT: 11.953 min Scan# 3666
Delta R.T. 0.006 min
Lab File: VL041764.D
Acq: 16 Dec 2024 22:23

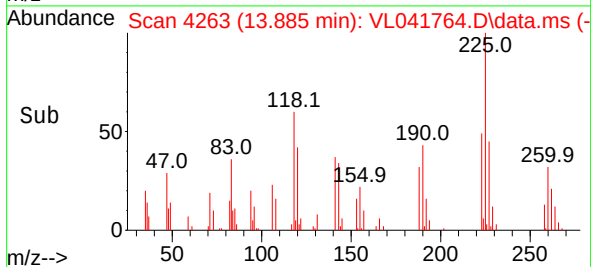
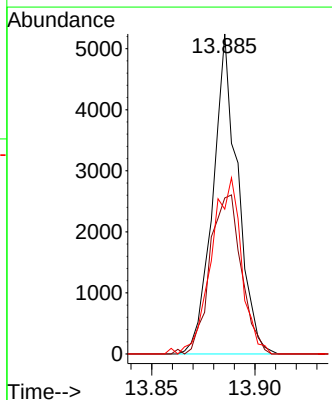
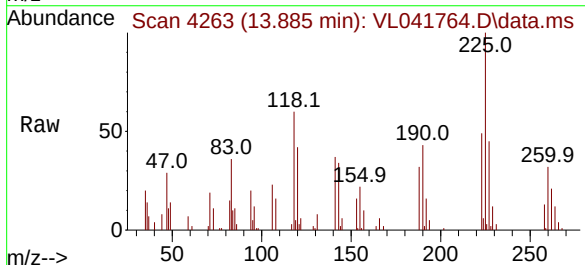
Instrument :
MSVOA_L
ClientSampleId :
MDL 0.4

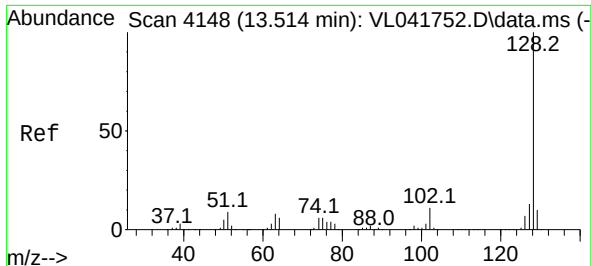
Tgt Ion:146 Resp: 5570
Ion Ratio Lower Upper
146 100
111 54.7 24.8 74.3
148 67.8 31.8 95.4



#78
Hexachloro-1,3-Butadiene
Concen: 0.451 ppbv
RT: 13.885 min Scan# 4263
Delta R.T. 0.003 min
Lab File: VL041764.D
Acq: 16 Dec 2024 22:23

Tgt Ion:225 Resp: 4377
Ion Ratio Lower Upper
225 100
223 63.1 50.5 75.7
227 66.9 50.3 75.5





#79

Naphthalene

Concen: 0.251 ppbv

RT: 13.520 min Scan# 4150

Delta R.T. 0.006 min

Lab File: VL041764.D

Acq: 16 Dec 2024 22:23

Instrument :

MSVOA_L

ClientSampleId :

MDL 0.4

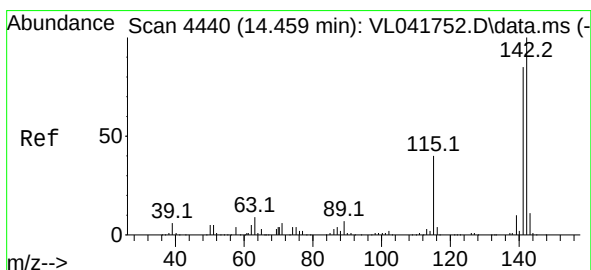
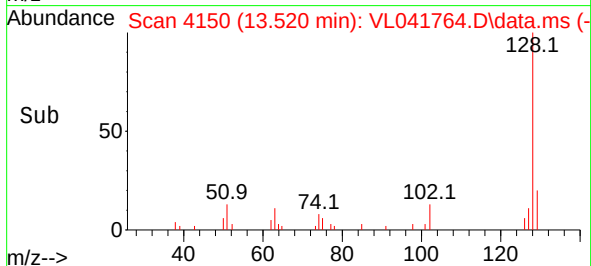
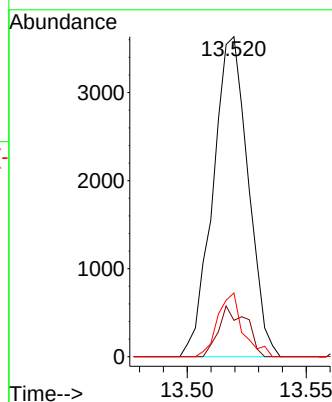
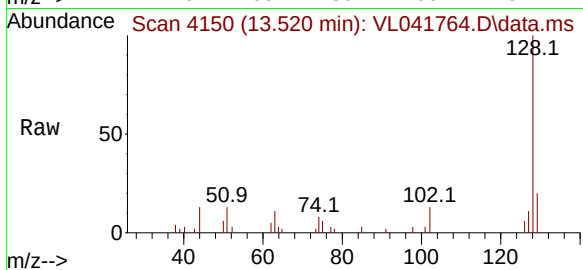
Tgt Ion:128 Resp: 3736

Ion Ratio Lower Upper

128 100

127 11.3 10.7 16.1

129 19.9 8.2 12.4#



#80

Naphthalene,2-methyl-

Concen: 0.090 ppbv

RT: 14.465 min Scan# 4442

Delta R.T. 0.006 min

Lab File: VL041764.D

Acq: 16 Dec 2024 22:23

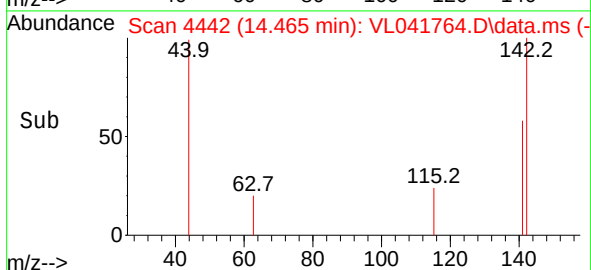
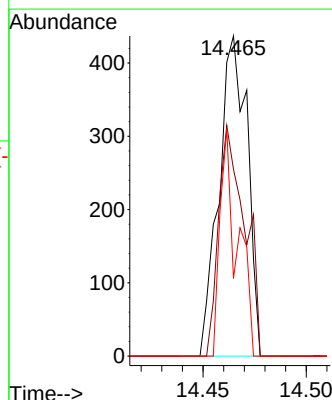
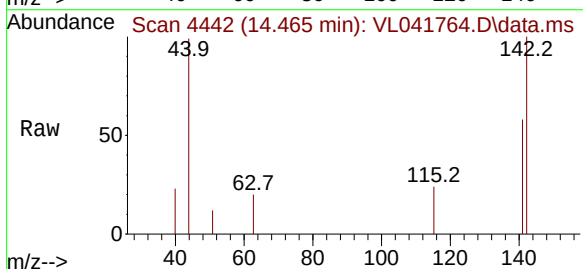
Tgt Ion:142 Resp: 414

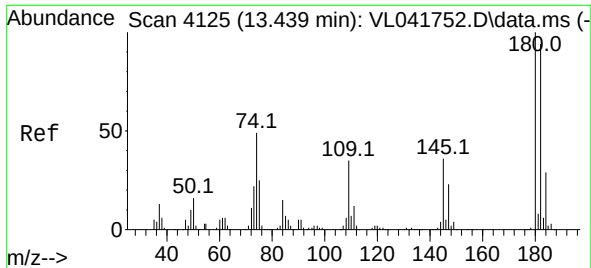
Ion Ratio Lower Upper

142 100

141 66.9 68.4 102.6#

115 44.0 32.5 48.7





#81

1,2,4-Trichlorobenzene

Concen: 0.335 ppbv

RT: 13.445 min Scan# 41

Delta R.T. 0.006 min

Lab File: VL041764.D

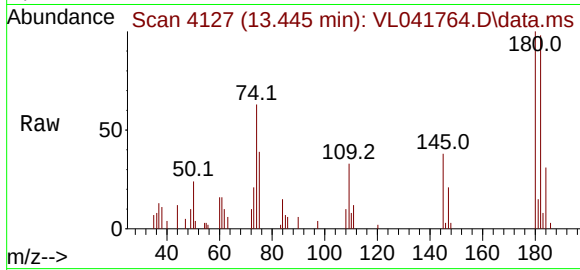
Acq: 16 Dec 2024 22:23

Instrument :

MSVOA_L

ClientSampleId :

MDL 0.4



Tgt Ion:180 Resp: 2719

Ion Ratio Lower Upper

180 100

182 94.9 77.0 115.6

184 32.0 23.8 35.8

