

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121824\
 Data File : VL041792.D
 Acq On : 18 Dec 2024 13:30
 Operator : SY/MD
 Sample : MDL 0.4
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Dec 19 07:53:45 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	69517	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	175551	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	149982	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.383 95 129651 10.373 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 103.700%

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.499	85	5327	0.431	ppbv	100
3) Chlorodifluoromethane	1.476	51	4463	0.394	ppbv #	90
4) Chloromethane	1.534	50	2134	0.441	ppbv #	84
5) Vinyl Chloride	1.580	62	1990	0.408	ppbv	89
6) Bromomethane	1.670	94	919	0.399	ppbv	94
7) Chloroethane	1.706	64	827	0.437	ppbv	88
8) Dichlorotetrafluoroethane	1.554	85	4376	0.395	ppbv	94
9) Propene	1.486	41	1567	0.319	ppbv	95
10) Heptane	4.994	43	795	0.063	ppbv #	1
11) Trichlorofluoromethane	1.881	101	5547	0.422	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.140	101	4070	0.407	ppbv	98
13) Ethanol	1.722	45	428	1.052	ppbv #	53
14) Bromoethene	1.784	108	1272	0.377	ppbv #	93
15) Acetone	1.839	43	7254	0.536	ppbv	98
16) 1,3-Butadiene	1.609	39	2343	0.440	ppbv	93
17) tert-Butyl alcohol	2.046	59	5000	0.373	ppbv	95
18) 1,1-Dichloroethene	2.036	96	1691	0.404	ppbv #	69
19) Isopropyl Alcohol	1.887	45	3774	0.465	ppbv #	41
20) Methylene Chloride	2.062	84	2130	0.552	ppbv	96
21) Allyl Chloride	2.098	41	2799	0.382	ppbv	86
22) trans-1,2-Dichloroethene	2.726	96	1777	0.371	ppbv	86
23) Vinyl Acetate	2.460	43	1748	0.278	ppbv #	87
24) 1,1-Dichloroethane	2.412	63	4096	0.422	ppbv	97
25) Ethyl Acetate	2.845	43	7220	0.287	ppbv #	97
26) Hexane	2.826	57	1599	0.167	ppbv #	1
27) Carbon Disulfide	2.156	76	2178	0.253	ppbv #	1
28) Methyl tert-Butyl Ether	2.444	73	2648	0.342	ppbv	93
29) Chloroform	2.852	83	5937	0.408	ppbv	97
30) Cyclohexane	3.868	84	837	0.103	ppbv #	1
31) cis-1,2-Dichloroethene	2.344	61	3624	0.367	ppbv	94
32) 1,1,1-Trichloroethane	3.376	97	4884	0.330	ppbv	93
34) 2-Butanone	2.564	43	4896	0.347	ppbv	99
35) Carbon Tetrachloride	3.765	117	2403	0.193	ppbv	89
36) Benzene	3.661	78	5491	0.302	ppbv #	90
37) 1,2-Dichloroethane	3.221	62	4884	0.432	ppbv	98
38) Trichloroethene	4.554	130	1315	0.171	ppbv	91
39) 1,2-Dichloropropane	4.321	63	2280	0.347	ppbv #	77
40) 1,4-Dioxane	4.609	88	280	0.087	ppbv #	20
41) Tetrahydrofuran	3.072	42	1788	0.226	ppbv #	91
42) Bromodichloromethane	4.493	83	2098	0.161	ppbv #	82
43) Methyl Methacrylate	4.891	69	880	0.127	ppbv #	11
44) 2,2,4-Trimethylpentane	4.648	57	4764	0.154	ppbv #	33
45) t-1,3-Dichloropropene	6.415	75	637	0.089	ppbv	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121824\
 Data File : VL041792.D
 Acq On : 18 Dec 2024 13:30
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 Sample : MDL 0.4
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

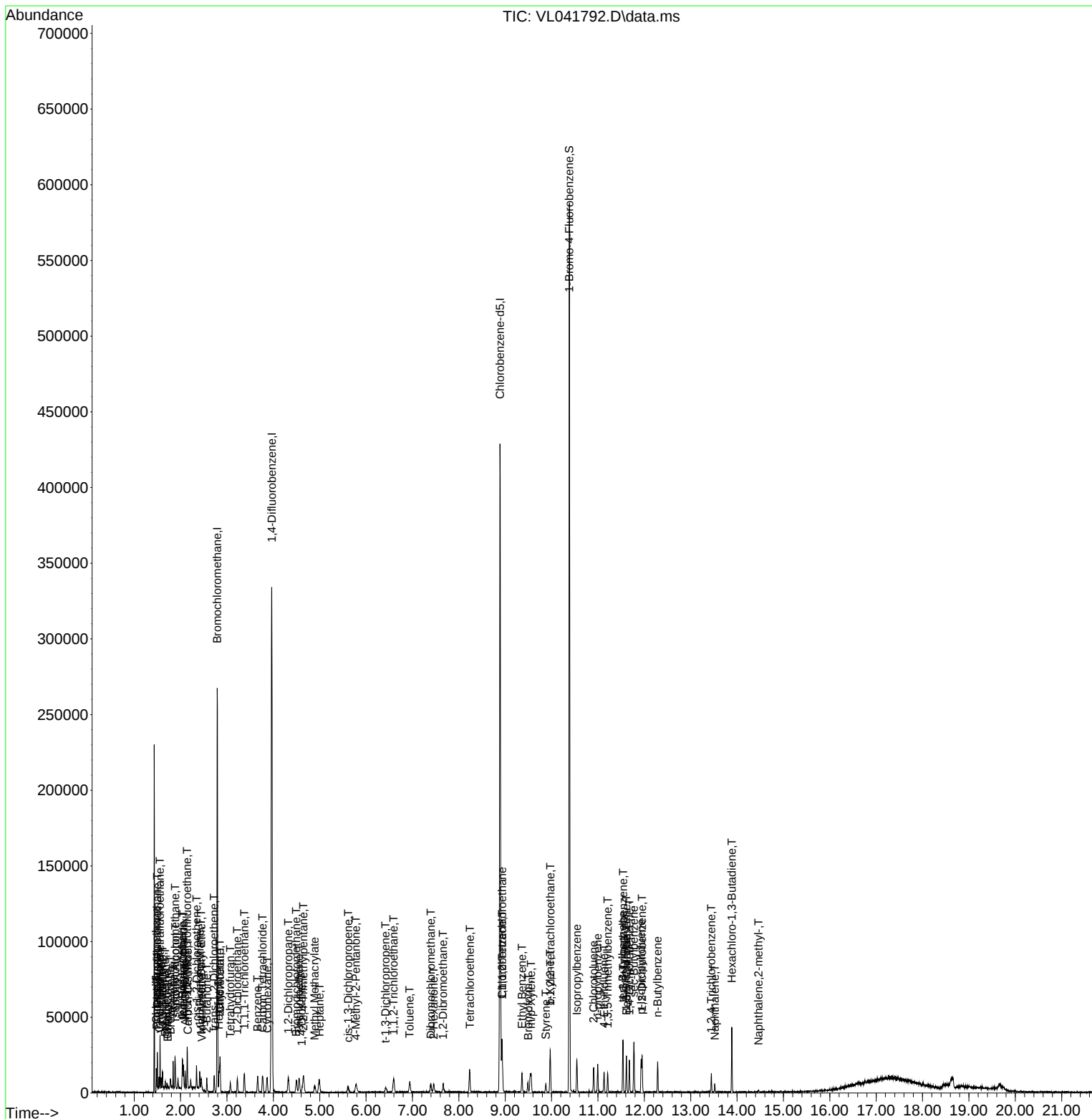
Instrument :
 MSVOA_L
 ClientSampleId :

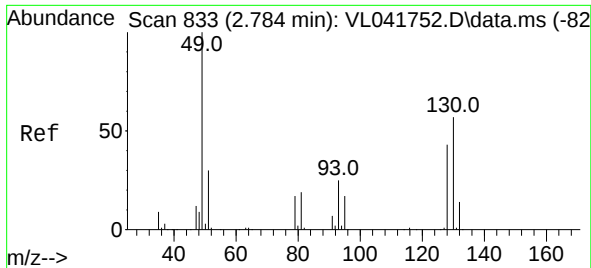
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 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Dec 19 07:32:09 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.616	75	759	0.084	ppbv	89
47) 1,1,2-Trichloroethane	6.590	97	435	0.063	ppbv #	29
48) Dibromochloromethane	7.393	129	1726	0.184	ppbv	56
49) Bromoform	9.497	173	556	0.073	ppbv #	28
50) 4-Methyl-2-Pentanone	5.778	43	3923	0.204	ppbv	95
51) 2-Hexanone	7.458	43	3050	0.196	ppbv #	96
52) Tetrachloroethene	8.238	164	950	0.141	ppbv	90
53) Toluene	6.940	91	3469	0.168	ppbv #	69
54) 1,2-Dibromoethane	7.658	107	2668	0.282	ppbv	94
56) 1,1,1,2-Tetrachloroethane	8.937	131	3161	0.398	ppbv #	1
57) Chlorobenzene	8.933	112	6429	0.419	ppbv #	89
58) Ethyl Benzene	9.361	91	5789	0.214	ppbv	96
59) m/p-Xylene	9.555	91	3921	0.181	ppbv #	100
60) o-Xylene	9.969	91	4585	0.211	ppbv	97
61) Styrene	9.875	104	1818	0.193	ppbv	92
62) Isopropylbenzene	10.545	105	8515	0.260	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.972	83	5038	0.370	ppbv	98
64) n-propylbenzene	10.995	120	1852	0.224	ppbv	95
65) tert-Butylbenzene	11.536	119	6166	0.209	ppbv	99
66) Benzyl Chloride	11.617	91	697	0.268	ppbv #	80
67) sec-Butylbenzene	11.775	105	9417	0.231	ppbv	96
69) p-Isopropyltoluene	11.931	119	6695	0.199	ppbv	94
70) n-Butylbenzene	12.287	91	6317	0.194	ppbv	98
71) 2-Chlorotoluene	10.908	91	5650	0.226	ppbv	92
72) 4-Ethyltoluene	11.131	105	4955	0.193	ppbv #	95
73) 1,3,5-Trimethylbenzene	11.209	105	4408	0.207	ppbv	93
74) 1,2,4-Trimethylbenzene	11.542	105	4624	0.202	ppbv #	89
75) 1,3-Dichlorobenzene	11.613	146	4916	0.336	ppbv	96
76) 1,4-Dichlorobenzene	11.678	146	4344	0.301	ppbv	98
77) 1,2-Dichlorobenzene	11.953	146	4825	0.343	ppbv	99
78) Hexachloro-1,3-Butadiene	13.886	225	3653	0.350	ppbv	95
79) Naphthalene	13.520	128	2064	0.129	ppbv #	86
80) Naphthalene,2-methyl-	14.465	142	239	0.048	ppbv #	88
81) 1,2,4-Trichlorobenzene	13.442	180	1477	0.169	ppbv #	95

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

Quant Time: Dec 19 07:53:45 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121624AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Dec 19 07:32:09 2024
Response via : Initial Calibration

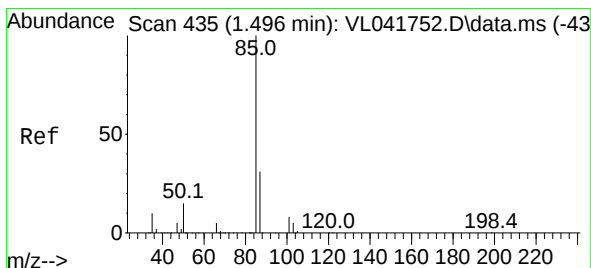
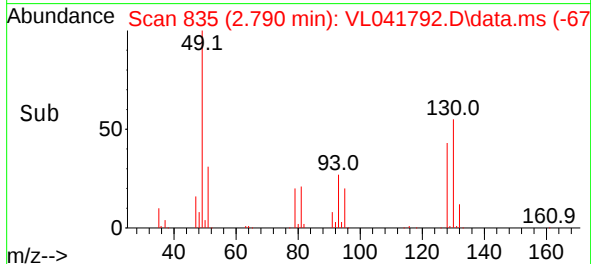
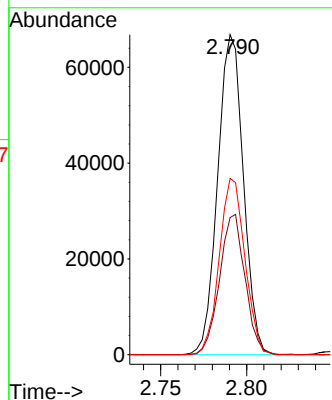
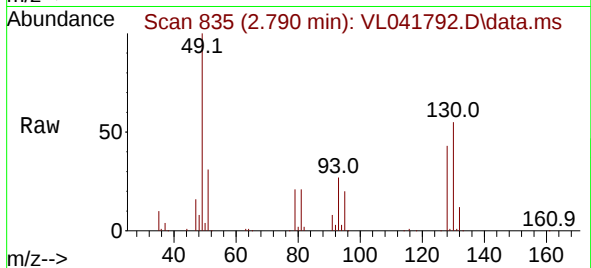




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 84
Delta R.T. 0.006 min
Lab File: VL041792.D
Acq: 18 Dec 2024 13:30

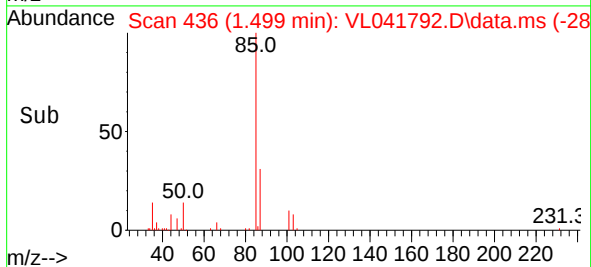
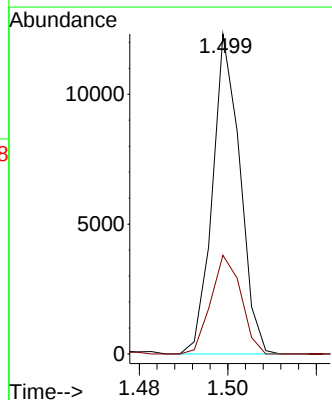
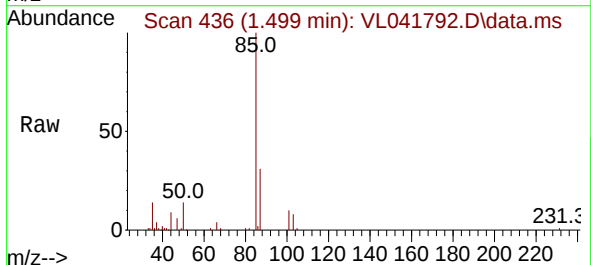
Instrument :
MSVOA_L
ClientSampleId :

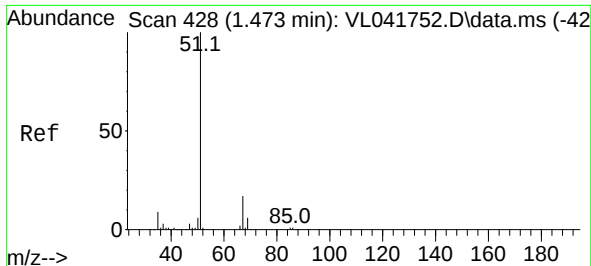
Tgt Ion: 49 Resp: 69517
Ion Ratio Lower Upper
49 100
128 43.4 21.6 64.6
130 54.8 28.3 85.0



#2
Dichlorodifluoromethane
Concen: 0.431 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.003 min
Lab File: VL041792.D
Acq: 18 Dec 2024 13:30

Tgt Ion: 85 Resp: 5327
Ion Ratio Lower Upper
85 100
87 30.8 24.5 36.7





#3

Chlorodifluoromethane

Concen: 0.394 ppbv

RT: 1.476 min Scan# 441

Delta R.T. 0.003 min

Lab File: VL041792.D

Acq: 18 Dec 2024 13:30

Instrument :

MSVOA_L

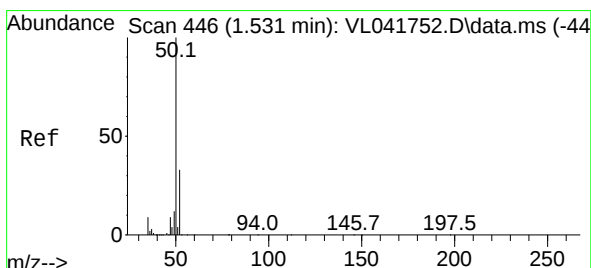
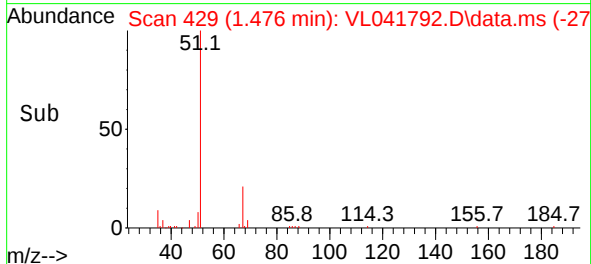
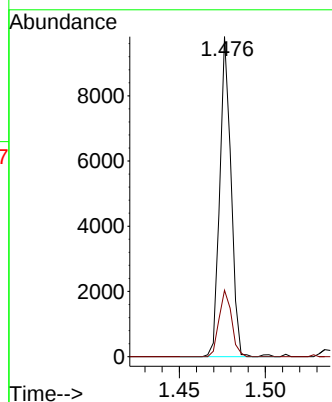
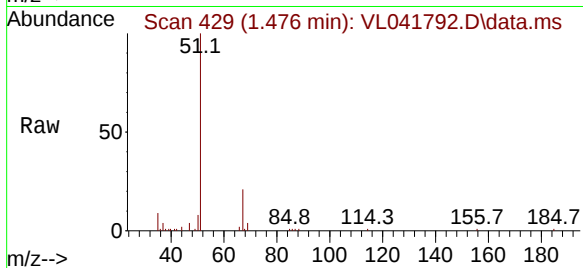
ClientSampleId :

Tgt Ion: 51 Resp: 4463

Ion Ratio Lower Upper

51 100

67 23.1 15.0 22.4#



#4

Chloromethane

Concen: 0.441 ppbv

RT: 1.534 min Scan# 447

Delta R.T. 0.003 min

Lab File: VL041792.D

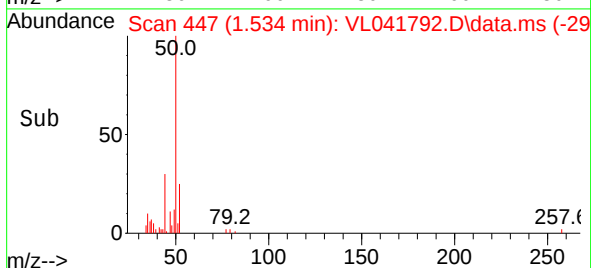
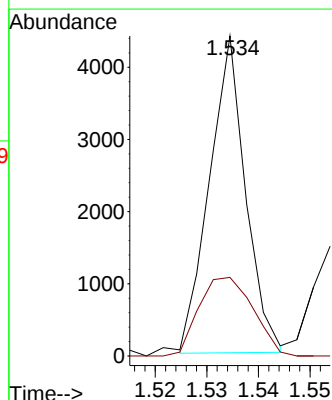
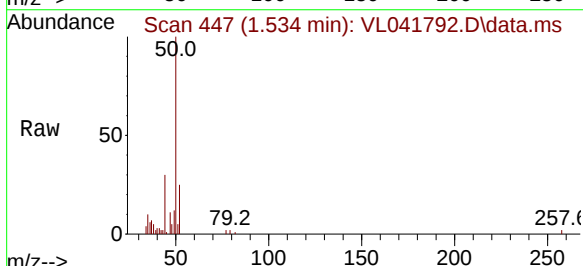
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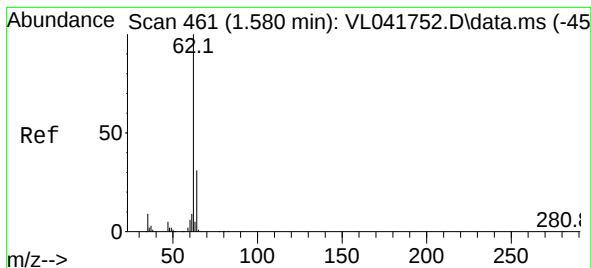
Tgt Ion: 50 Resp: 2134

Ion Ratio Lower Upper

50 100

52 23.8 26.2 39.2#





#5

Vinyl Chloride

Concen: 0.408 ppbv

RT: 1.580 min Scan# 4

Delta R.T. -0.000 min

Lab File: VL041792.D

Acq: 18 Dec 2024 13:30

Instrument :

MSVOA_L

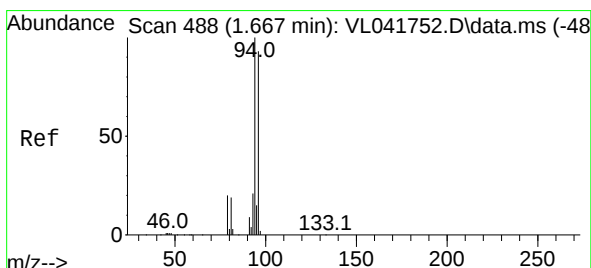
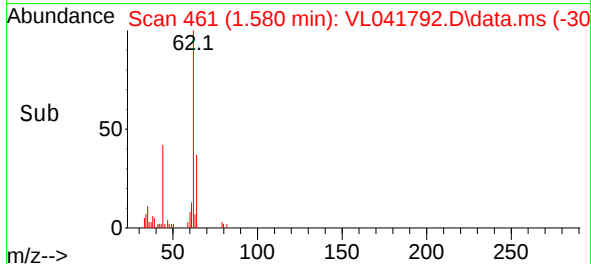
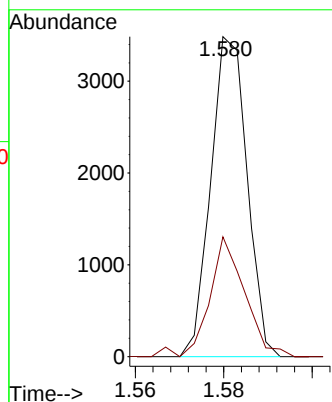
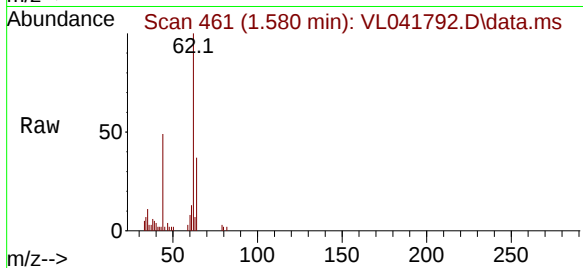
ClientSampleId :

Tgt Ion: 62 Resp: 1990

Ion Ratio Lower Upper

62 100

64 37.4 25.1 37.7



#6

Bromomethane

Concen: 0.399 ppbv

RT: 1.670 min Scan# 489

Delta R.T. 0.003 min

Lab File: VL041792.D

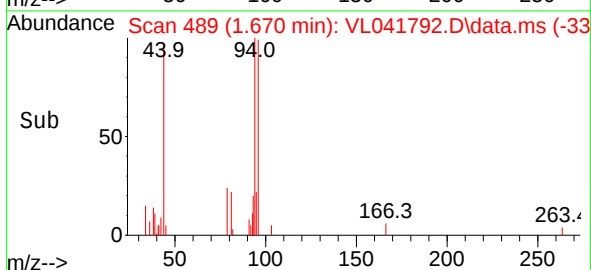
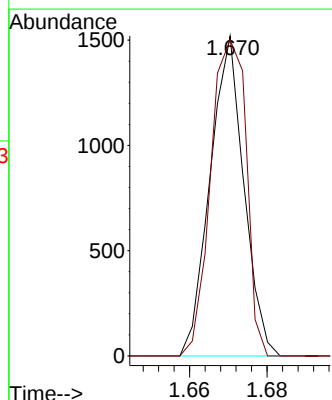
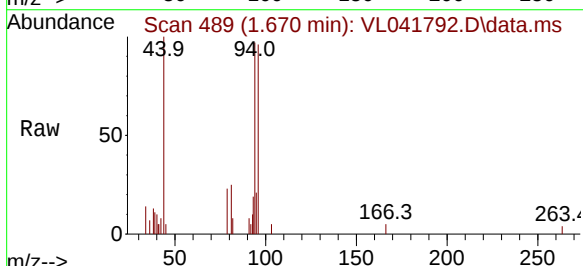
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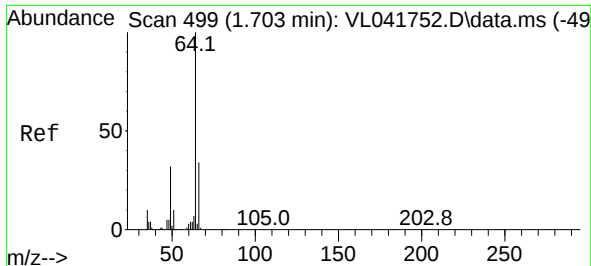
Tgt Ion: 94 Resp: 919

Ion Ratio Lower Upper

94 100

96 98.8 74.7 112.1

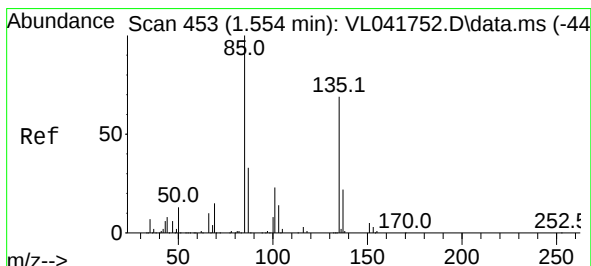
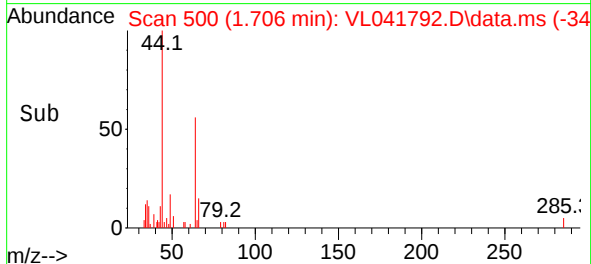
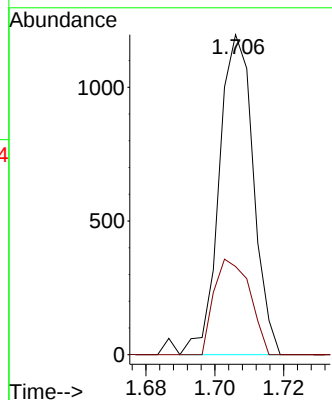
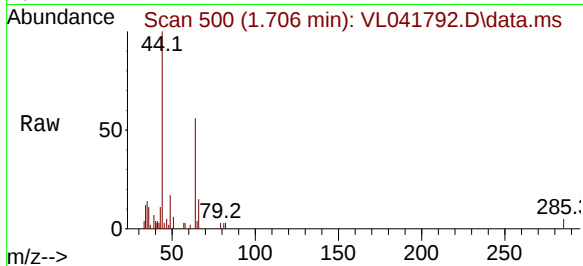




#7
Chloroethane
Concen: 0.437 ppbv
RT: 1.706 min Scan# 50
Delta R.T. 0.003 min
Lab File: VL041792.D
Acq: 18 Dec 2024 13:30

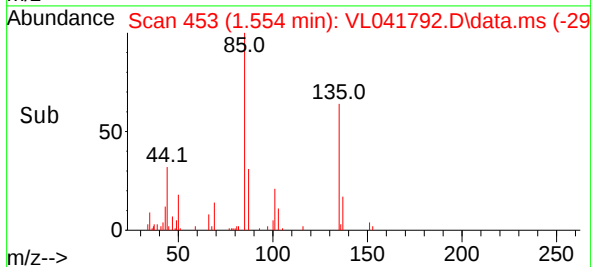
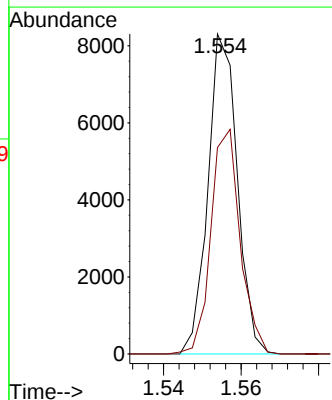
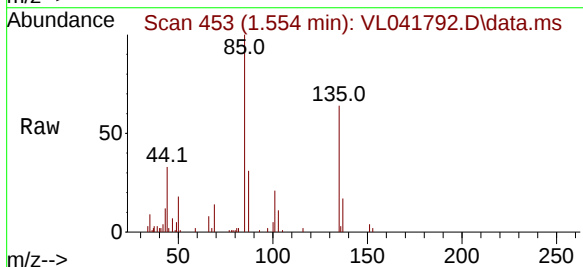
Instrument :
MSVOA_L
ClientSampleId :

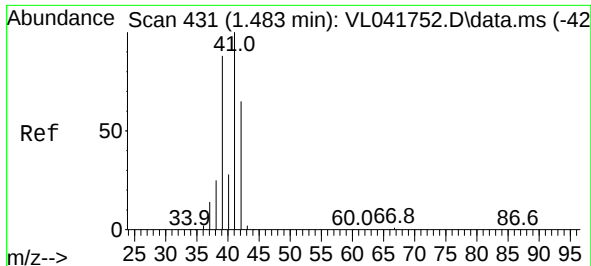
Tgt Ion: 64 Resp: 827
Ion Ratio Lower Upper
64 100
66 27.6 27.5 41.3



#8
Dichlorotetrafluoroethane
Concen: 0.395 ppbv
RT: 1.554 min Scan# 453
Delta R.T. -0.000 min
Lab File: VL041792.D
Acq: 18 Dec 2024 13:30

Tgt Ion: 85 Resp: 4376
Ion Ratio Lower Upper
85 100
135 69.9 51.9 77.9





#9

Propene

Concen: 0.319 ppbv

RT: 1.486 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL041792.D

Acq: 18 Dec 2024 13:30

Instrument :

MSVOA_L

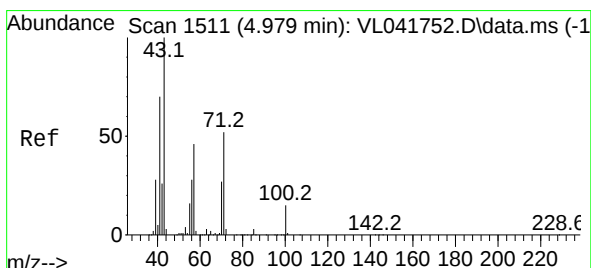
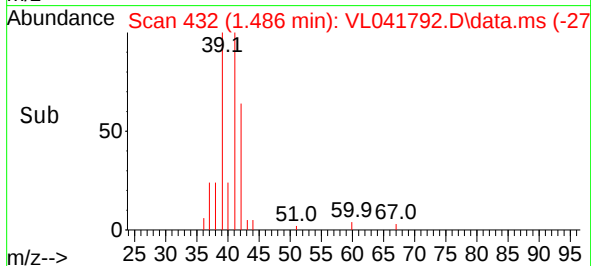
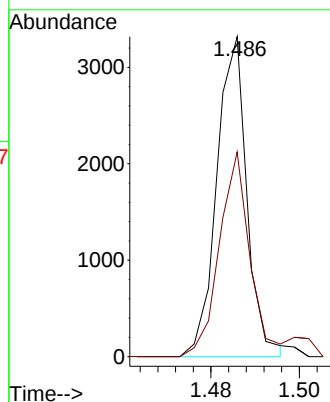
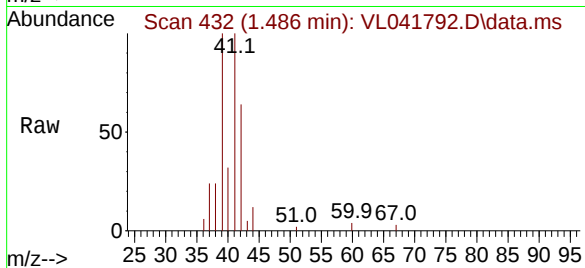
ClientSampleId :

Tgt Ion: 41 Resp: 1567

Ion Ratio Lower Upper

41 100

42 69.8 52.4 78.6



#10

Heptane

Concen: 0.063 ppbv

RT: 4.994 min Scan# 1516

Delta R.T. 0.016 min

Lab File: VL041792.D

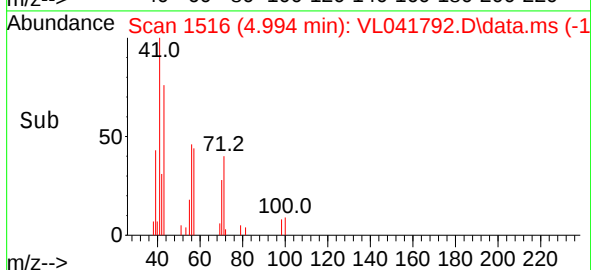
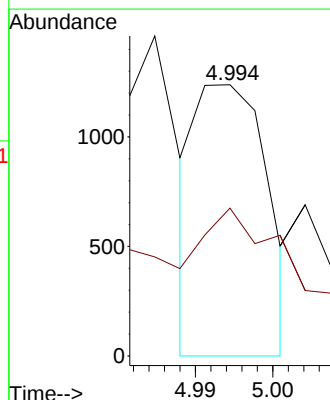
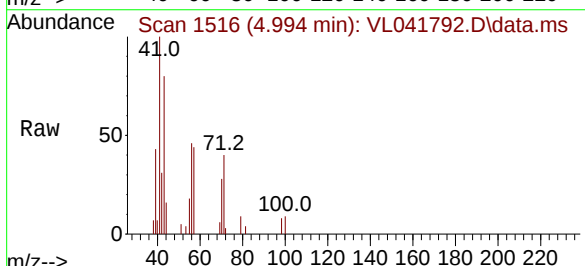
Acq: 18 Dec 2024 13:30

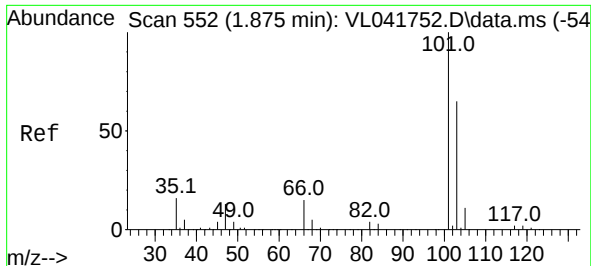
Tgt Ion: 43 Resp: 795

Ion Ratio Lower Upper

43 100

57 169.4 38.5 57.7#





#11

Trichlorofluoromethane

Concen: 0.422 ppbv

RT: 1.881 min Scan# 554

Delta R.T. 0.006 min

Lab File: VL041792.D

Acq: 18 Dec 2024 13:30

Instrument :

MSVOA_L

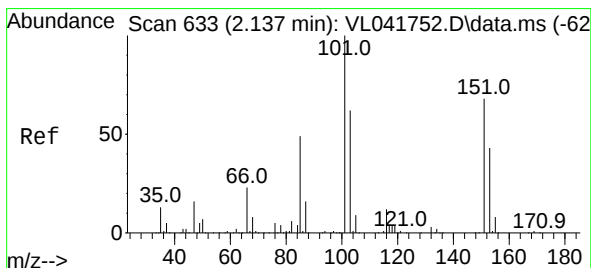
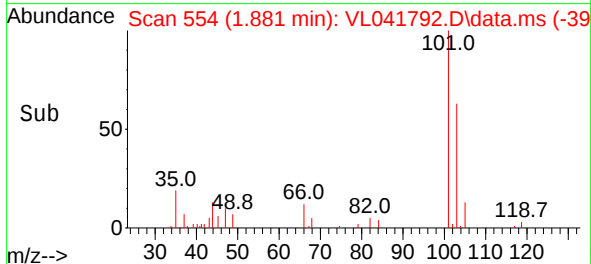
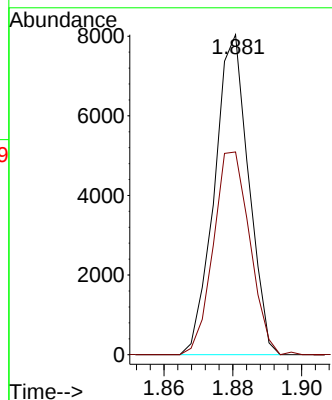
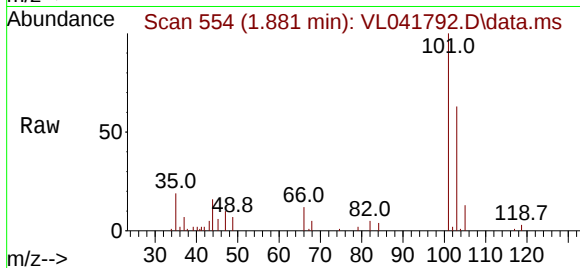
ClientSampleId :

Tgt Ion:101 Resp: 5547

Ion Ratio Lower Upper

101 100

103 63.4 51.8 77.8



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.407 ppbv

RT: 2.140 min Scan# 634

Delta R.T. 0.003 min

Lab File: VL041792.D

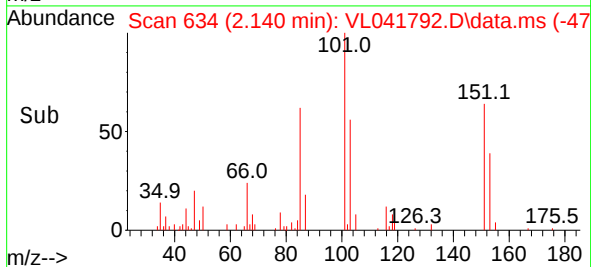
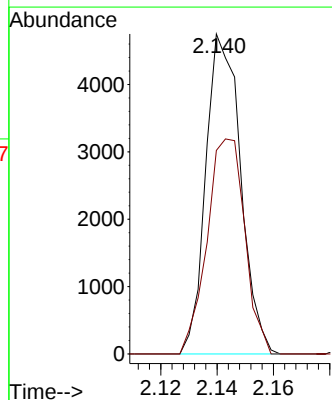
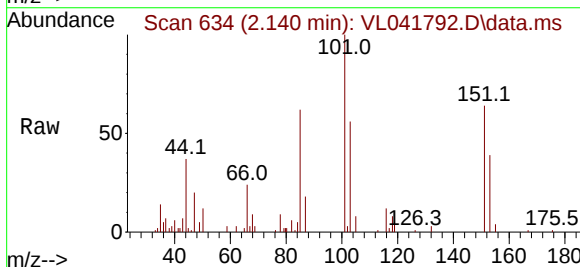
Acq: 18 Dec 2024 13:30

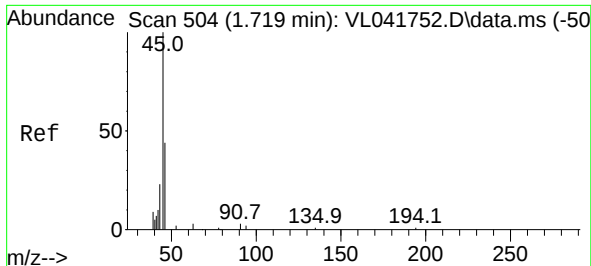
Tgt Ion:101 Resp: 4070

Ion Ratio Lower Upper

101 100

151 73.0 56.8 85.2





#13

Ethanol

Concen: 1.052 ppbv

RT: 1.722 min Scan# 504

Delta R.T. 0.003 min

Lab File: VL041792.D

Acq: 18 Dec 2024 13:30

Instrument :

MSVOA_L

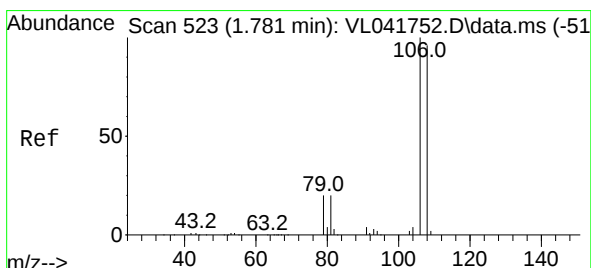
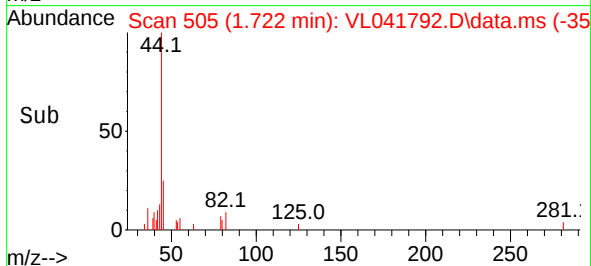
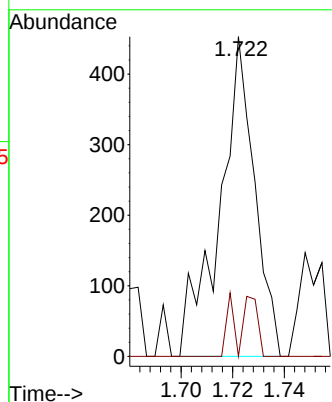
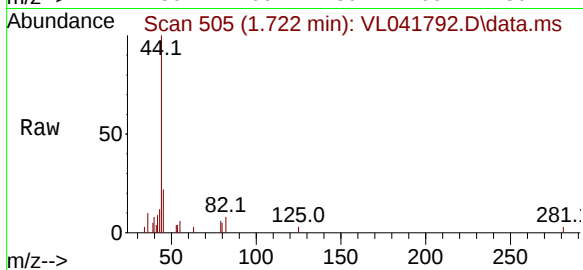
ClientSampleId :

Tgt Ion: 45 Resp: 428

Ion Ratio Lower Upper

45 100

46 11.7 16.4 65.8#



#14

Bromoethene

Concen: 0.377 ppbv

RT: 1.784 min Scan# 524

Delta R.T. 0.003 min

Lab File: VL041792.D

Acq: 18 Dec 2024 13:30

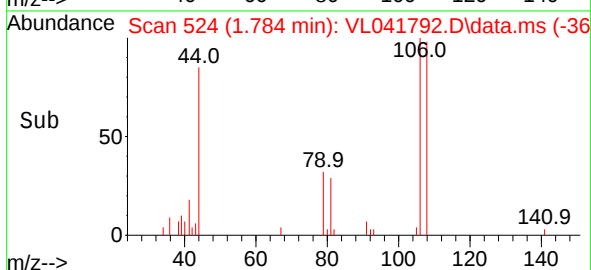
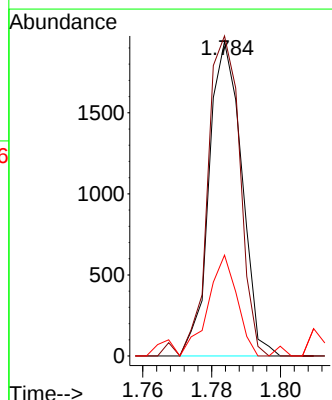
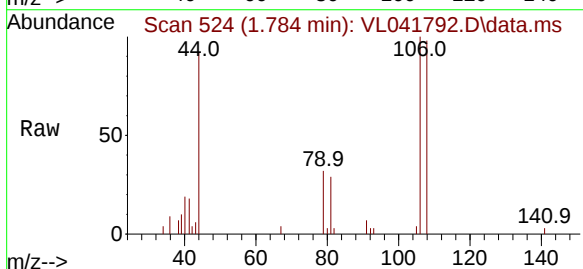
Tgt Ion:108 Resp: 1272

Ion Ratio Lower Upper

108 100

106 100.6 84.1 126.1

79 32.1 17.4 26.0#





#15

Acetone

Concen: 0.536 ppbv

RT: 1.839 min Scan# 54

Delta R.T. 0.006 min

Lab File: VL041792.D

Acq: 18 Dec 2024 13:30

Instrument :

MSVOA_L

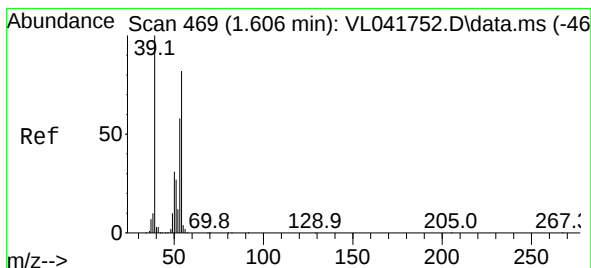
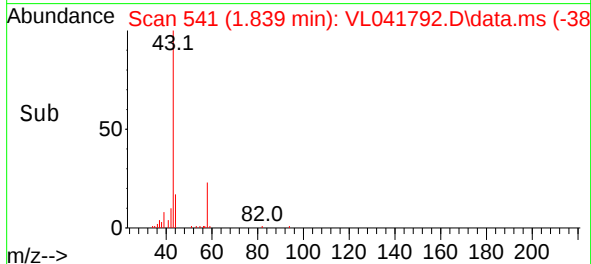
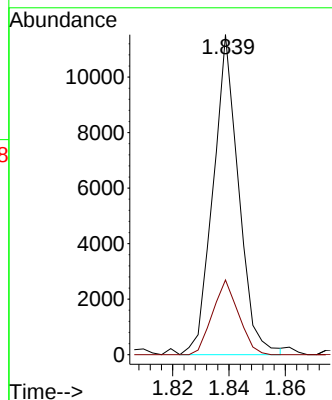
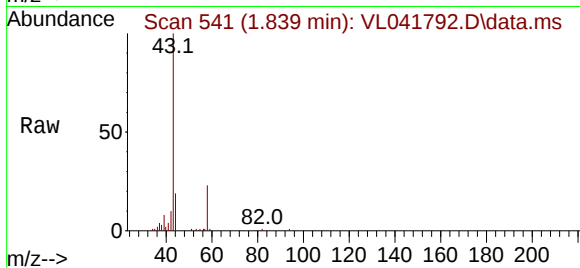
ClientSampleId :

Tgt Ion: 43 Resp: 7254

Ion Ratio Lower Upper

43 100

58 23.8 19.7 29.5



#16

1,3-Butadiene

Concen: 0.440 ppbv

RT: 1.609 min Scan# 470

Delta R.T. 0.003 min

Lab File: VL041792.D

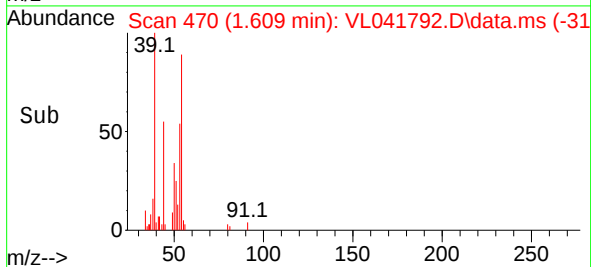
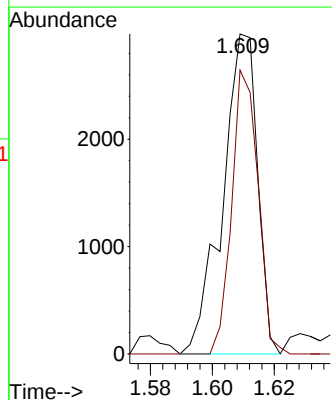
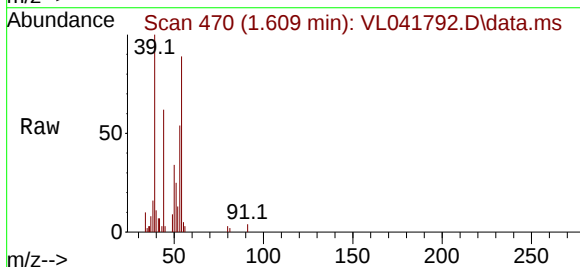
Acq: 18 Dec 2024 13:30

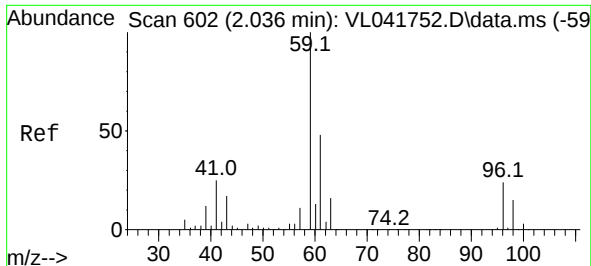
Tgt Ion: 39 Resp: 2343

Ion Ratio Lower Upper

39 100

54 66.8 58.4 87.6





#17

tert-Butyl alcohol

Concen: 0.373 ppbv

RT: 2.046 min Scan# 602

Delta R.T. 0.010 min

Lab File: VL041792.D

Acq: 18 Dec 2024 13:30

Instrument :

MSVOA_L

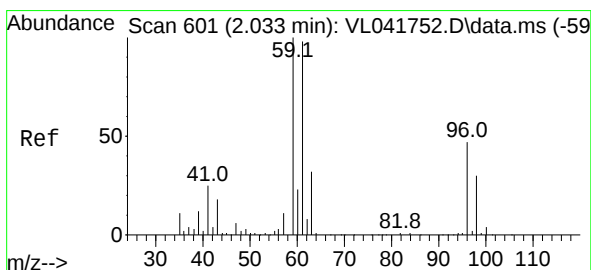
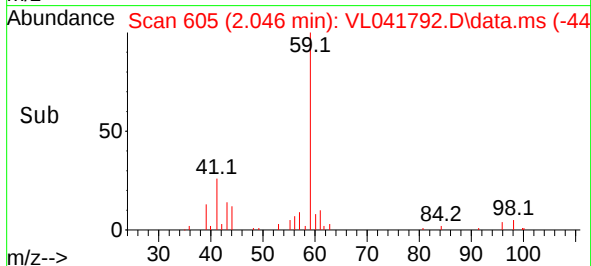
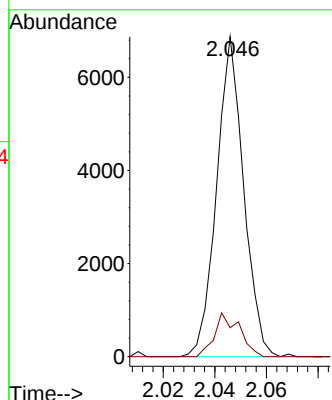
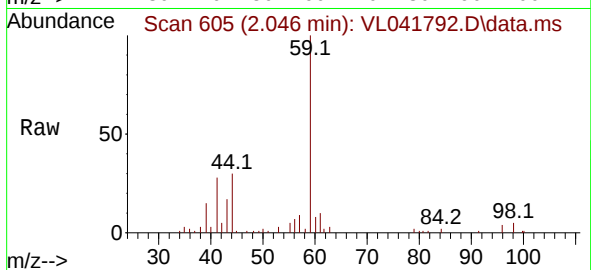
ClientSampleId :

Tgt Ion: 59 Resp: 5000

Ion Ratio Lower Upper

59 100

57 12.6 8.6 13.0



#18

1,1-Dichloroethene

Concen: 0.404 ppbv

RT: 2.036 min Scan# 602

Delta R.T. 0.003 min

Lab File: VL041792.D

Acq: 18 Dec 2024 13:30

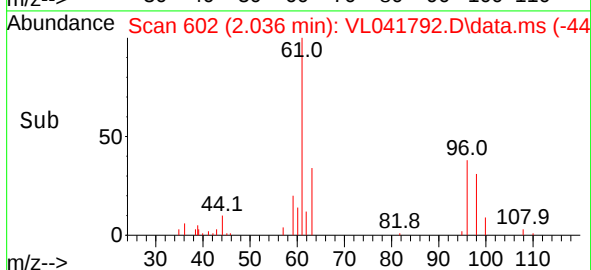
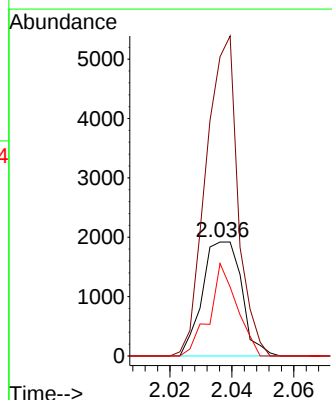
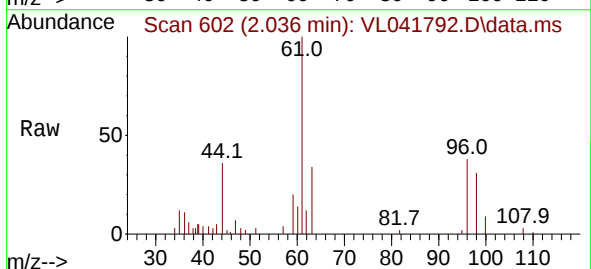
Tgt Ion: 96 Resp: 1691

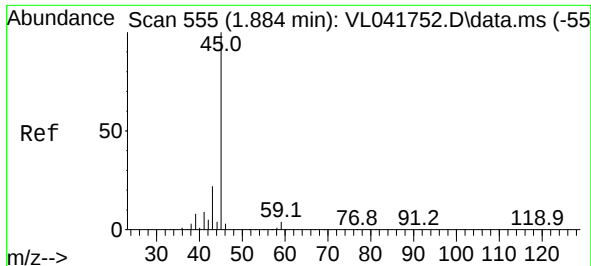
Ion Ratio Lower Upper

96 100

61 262.7 167.7 251.5#

98 81.1 51.1 76.7#





#19

Isopropyl Alcohol

Concen: 0.465 ppbv

RT: 1.887 min Scan# 51

Delta R.T. 0.003 min

Lab File: VL041792.D

Acq: 18 Dec 2024 13:30

Instrument :

MSVOA_L

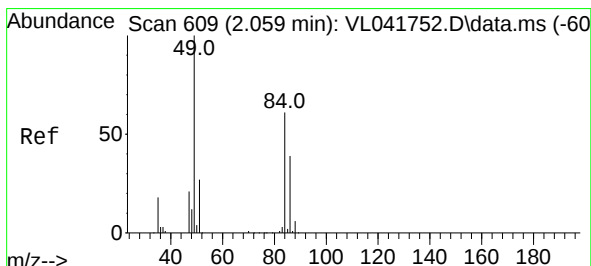
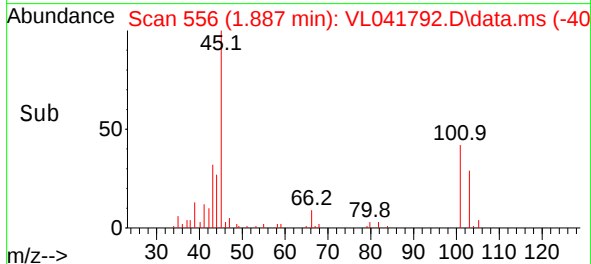
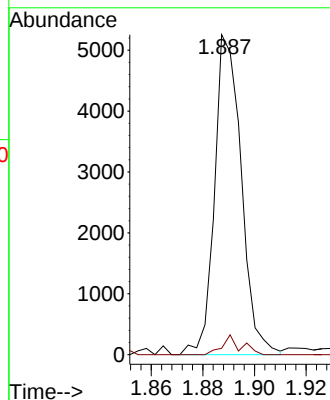
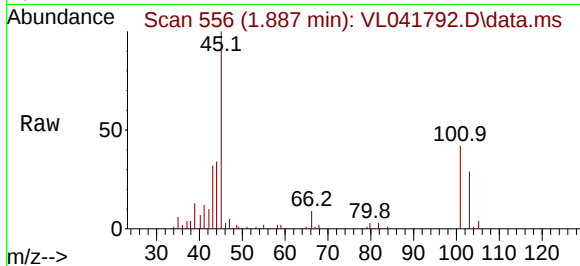
ClientSampleId :

Tgt Ion: 45 Resp: 3774

Ion Ratio Lower Upper

45 100

58 4.2 33.3 49.9#



#20

Methylene Chloride

Concen: 0.552 ppbv

RT: 2.062 min Scan# 610

Delta R.T. 0.003 min

Lab File: VL041792.D

Acq: 18 Dec 2024 13:30

Tgt Ion: 84 Resp: 2130

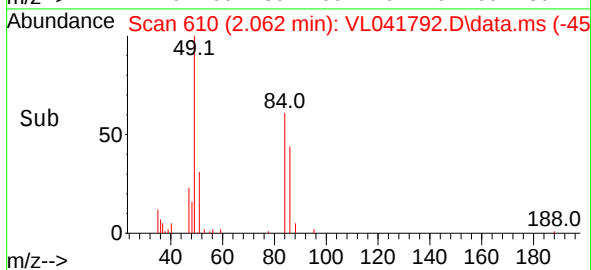
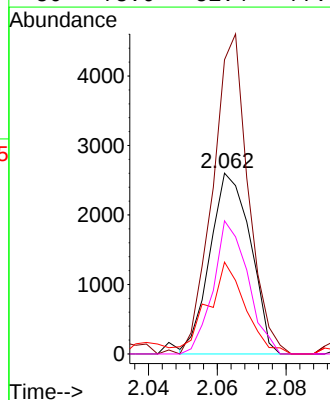
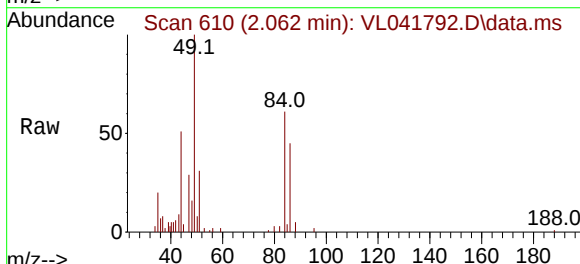
Ion Ratio Lower Upper

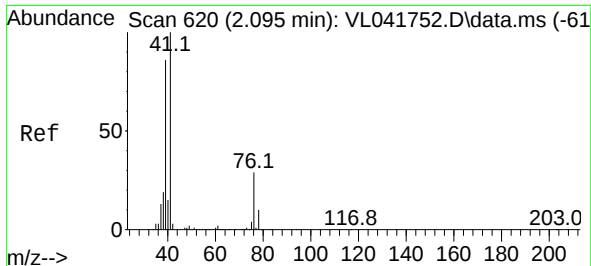
84 100

49 162.7 132.6 198.8

51 47.4 37.6 56.4

86 73.6 51.4 77.0





#21

Allyl Chloride

Concen: 0.382 ppbv

RT: 2.098 min Scan# 61

Delta R.T. 0.003 min

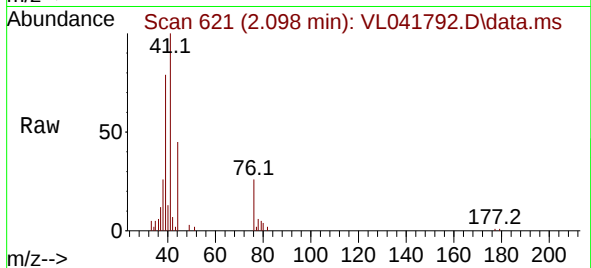
Lab File: VL041792.D

Acq: 18 Dec 2024 13:30

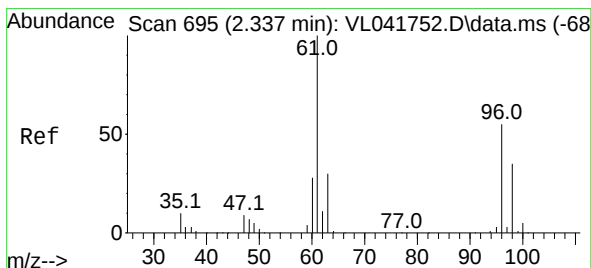
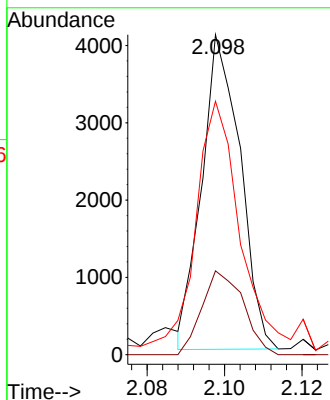
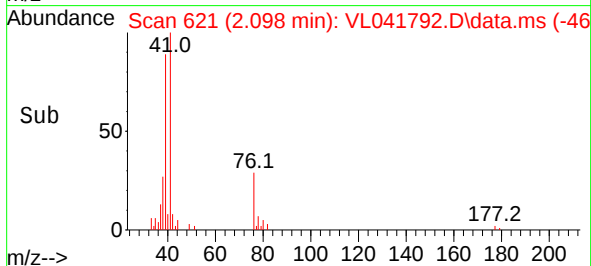
Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion: 41	Resp: 2799		
Ion Ratio	Lower	Upper	
41	100		
76	28.7	22.3	33.5
39	103.7	69.2	103.8



#22

trans-1,2-Dichloroethene

Concen: 0.371 ppbv

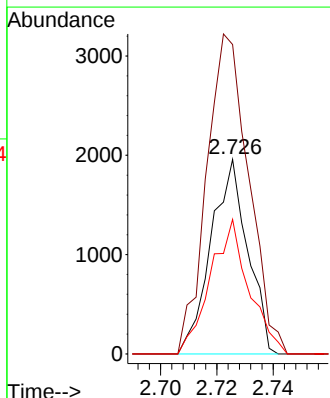
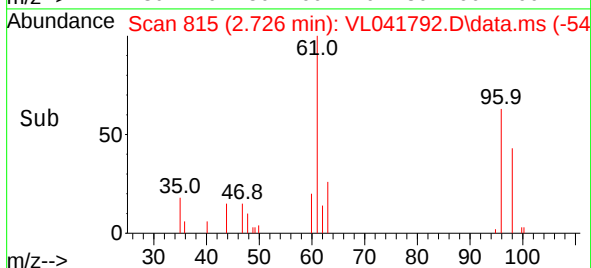
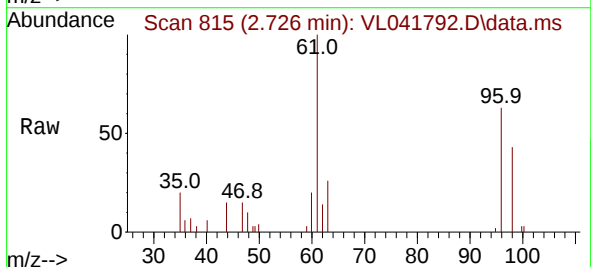
RT: 2.726 min Scan# 815

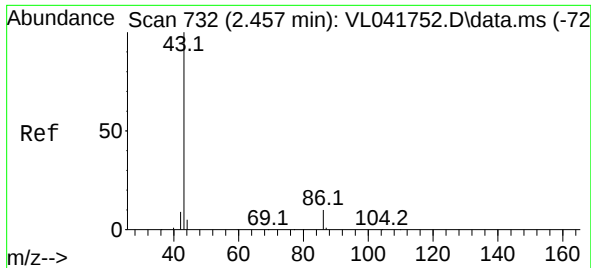
Delta R.T. 0.388 min

Lab File: VL041792.D

Acq: 18 Dec 2024 13:30

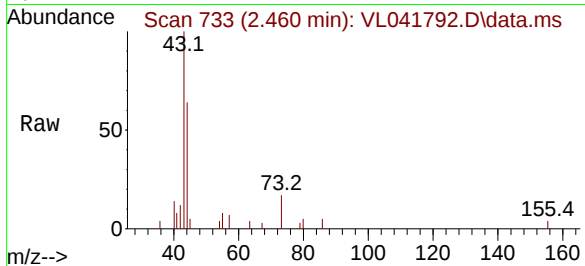
Tgt Ion: 96	Resp: 1777		
Ion Ratio	Lower	Upper	
96 100			
61 159.1	146.3	219.5	
98 69.2	50.8	76.2	



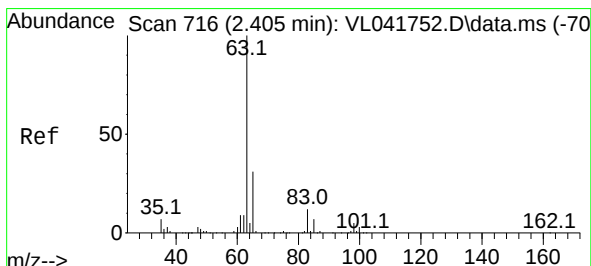
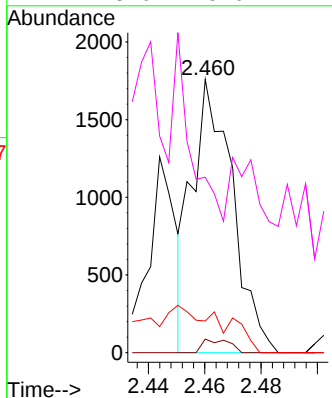
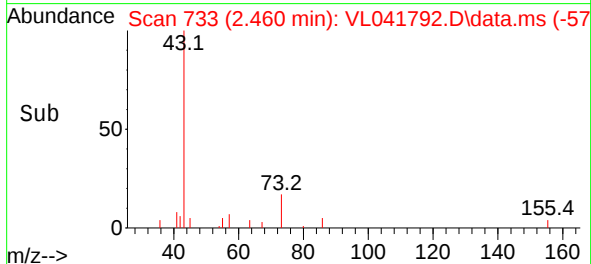


#23
 Vinyl Acetate
 Concen: 0.278 ppbv
 RT: 2.460 min Scan# 718
 Delta R.T. 0.003 min
 Lab File: VL041792.D
 Acq: 18 Dec 2024 13:30

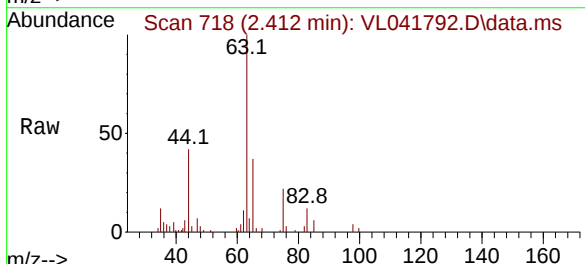
Instrument :
 MSVOA_L
 ClientSampleId :



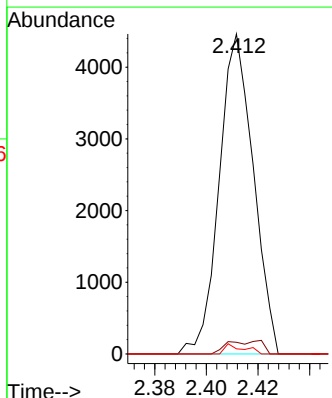
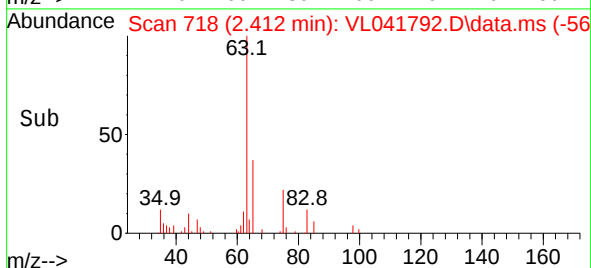
Tgt Ion:	43	Resp:	1748
Ion	Ratio	Lower	Upper
43	100		
86	4.9	6.6	10.0#
42	11.6	8.2	12.2
44	18.0	5.0	7.4#

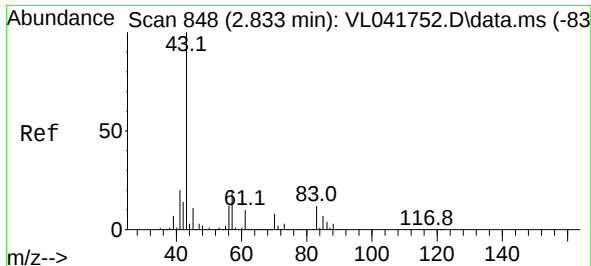


#24
 1,1-Dichloroethane
 Concen: 0.422 ppbv
 RT: 2.412 min Scan# 718
 Delta R.T. 0.006 min
 Lab File: VL041792.D
 Acq: 18 Dec 2024 13:30



Tgt Ion:	63	Resp:	4096
Ion	Ratio	Lower	Upper
63	100		
98	3.6	2.3	6.8
100	1.6	1.4	4.2





#25

Ethyl Acetate

Concen: 0.287 ppbv

RT: 2.845 min Scan# 845

Delta R.T. 0.013 min

Lab File: VL041792.D

Acq: 18 Dec 2024 13:30

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 43 Resp: 7220

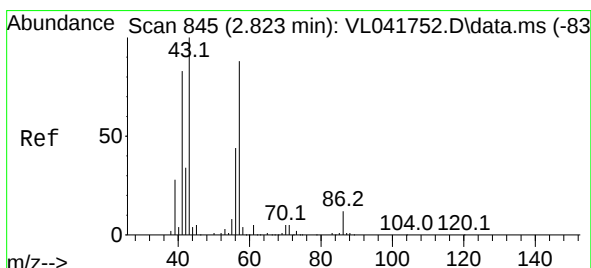
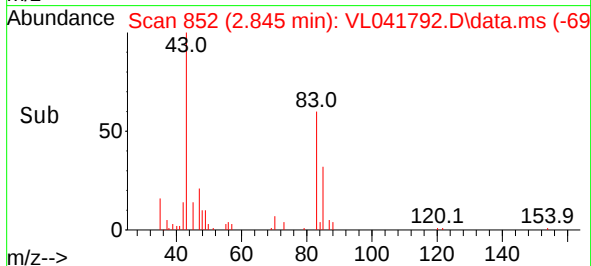
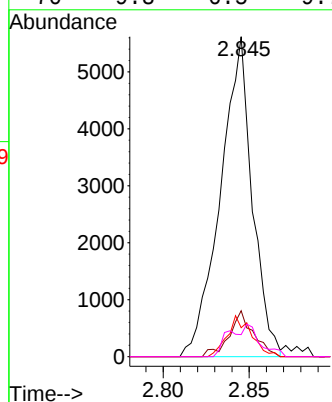
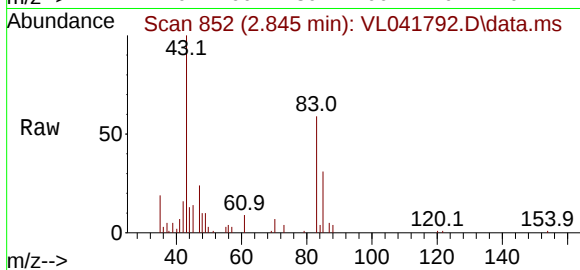
Ion Ratio Lower Upper

43 100

45 10.9 8.1 12.1

61 9.7 7.0 10.6

70 9.8 6.5 9.7#



#26

Hexane

Concen: 0.167 ppbv

RT: 2.826 min Scan# 846

Delta R.T. 0.003 min

Lab File: VL041792.D

Acq: 18 Dec 2024 13:30

Tgt Ion: 57 Resp: 1599

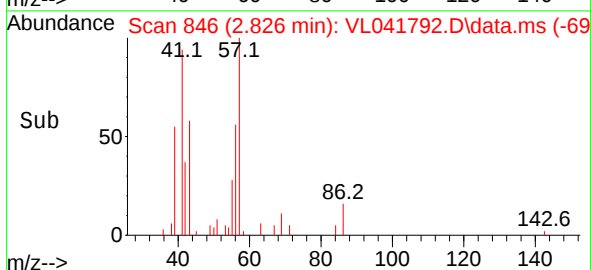
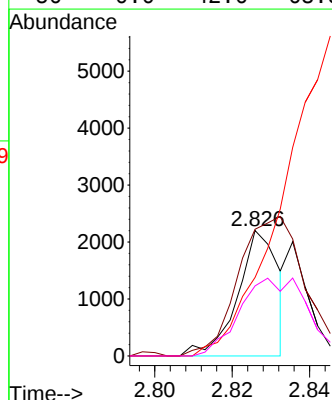
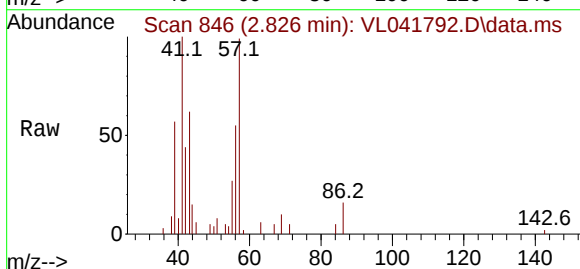
Ion Ratio Lower Upper

57 100

41 0.0 79.6 119.4#

43 0.0 211.0 316.6#

56 0.0 42.6 63.8#





#27

Carbon Disulfide

Concen: 0.253 ppbv

RT: 2.156 min Scan# 61

Delta R.T. 0.006 min

Lab File: VL041792.D

Acq: 18 Dec 2024 13:30

Instrument :

MSVOA_L

ClientSampleId :

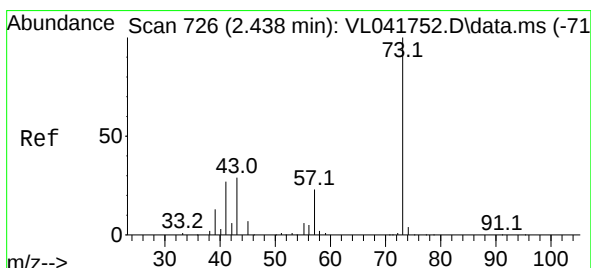
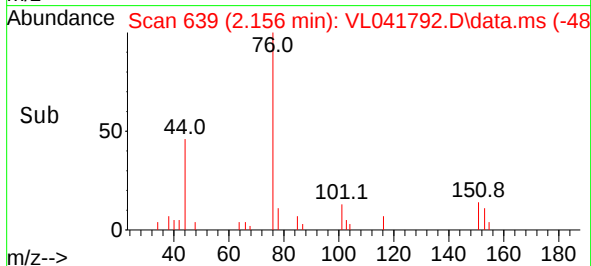
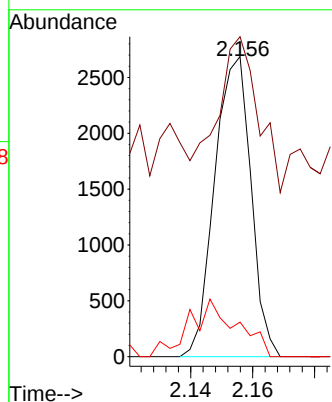
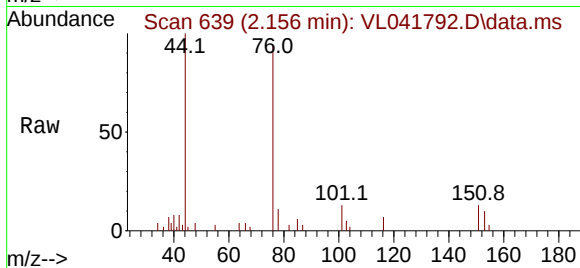
Tgt Ion: 76 Resp: 2178

Ion Ratio Lower Upper

76 100

44 113.5 17.6 26.4#

78 25.1 10.2 15.4#



#28

Methyl tert-Butyl Ether

Concen: 0.342 ppbv

RT: 2.444 min Scan# 728

Delta R.T. 0.006 min

Lab File: VL041792.D

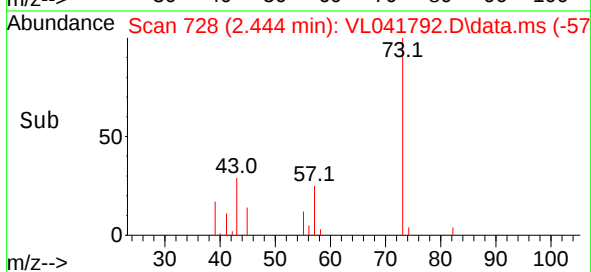
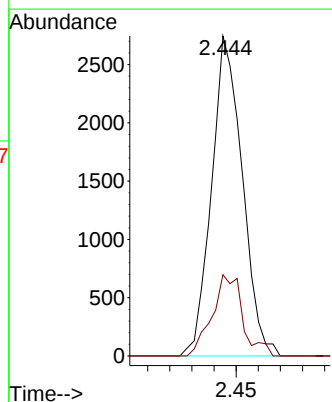
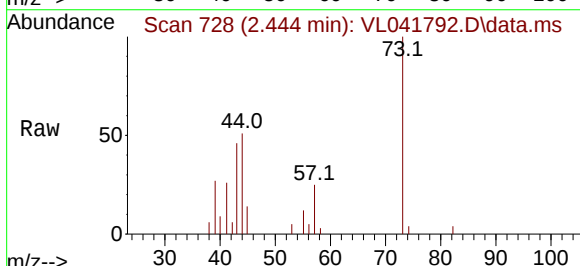
Acq: 18 Dec 2024 13:30

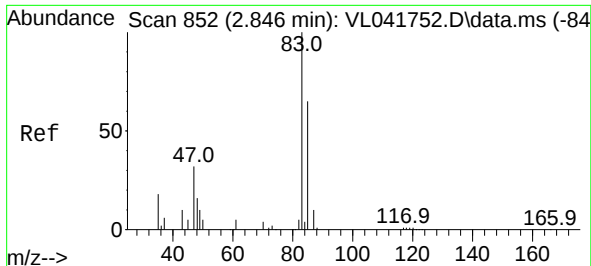
Tgt Ion: 73 Resp: 2648

Ion Ratio Lower Upper

73 100

57 25.2 17.6 26.4





#29

Chloroform

Concen: 0.408 ppbv

RT: 2.852 min Scan# 854

Delta R.T. 0.006 min

Lab File: VL041792.D

Acq: 18 Dec 2024 13:30

Instrument :

MSVOA_L

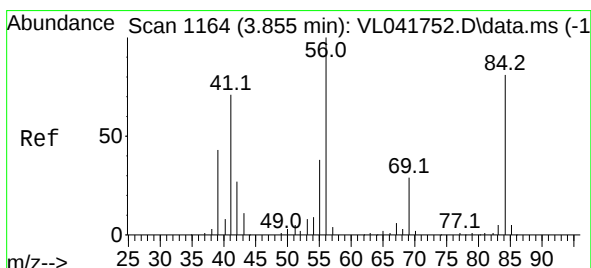
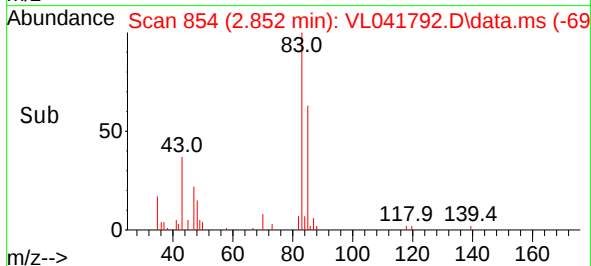
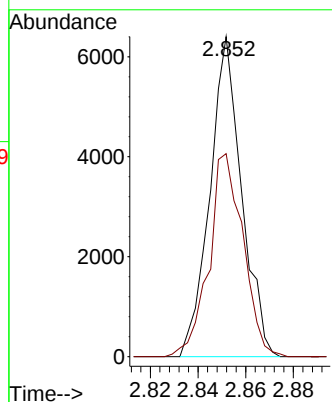
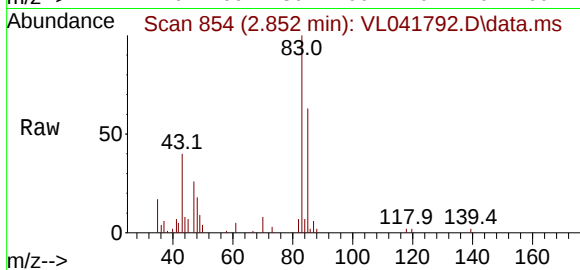
ClientSampleId :

Tgt Ion: 83 Resp: 5937

Ion Ratio Lower Upper

83 100

85 62.6 51.8 77.6



#30

Cyclohexane

Concen: 0.103 ppbv

RT: 3.868 min Scan# 1168

Delta R.T. 0.013 min

Lab File: VL041792.D

Acq: 18 Dec 2024 13:30

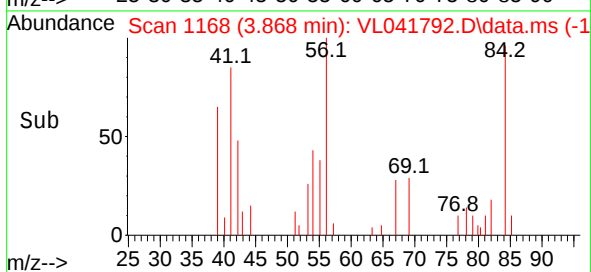
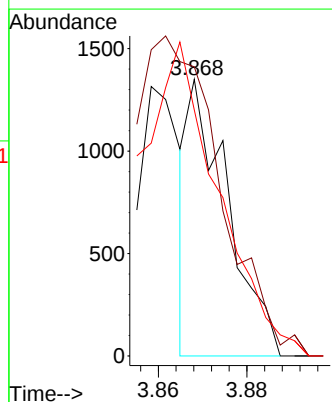
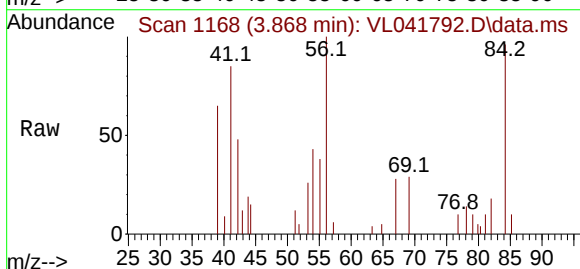
Tgt Ion: 84 Resp: 837

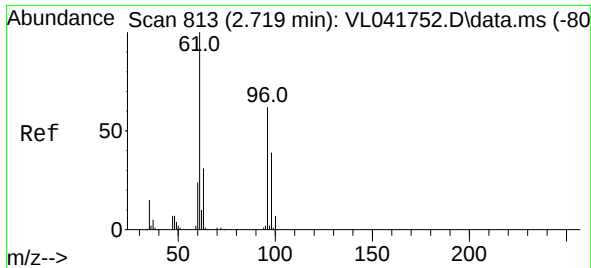
Ion Ratio Lower Upper

84 100

56 280.5 102.3 153.5#

41 248.7 74.0 111.0#

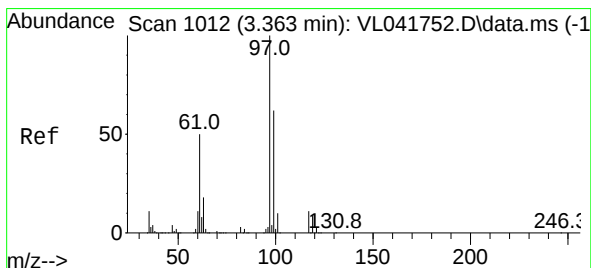
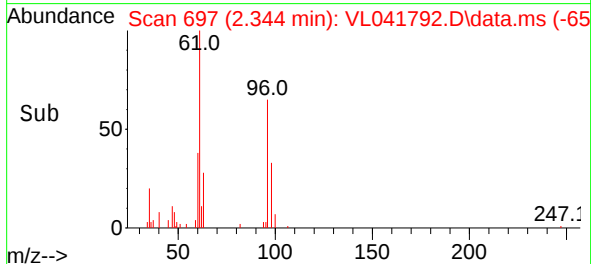
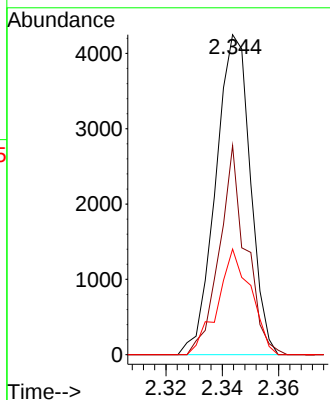
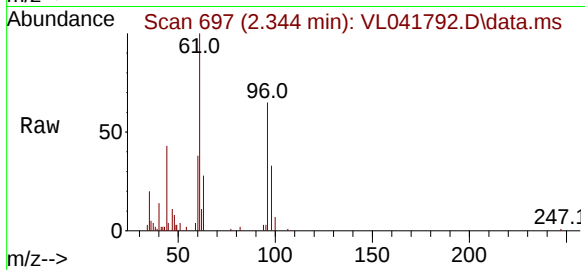




#31
 cis-1,2-Dichloroethene
 Concen: 0.367 ppbv
 RT: 2.344 min Scan# 61
 Delta R.T. -0.376 min
 Lab File: VL041792.D
 Acq: 18 Dec 2024 13:30

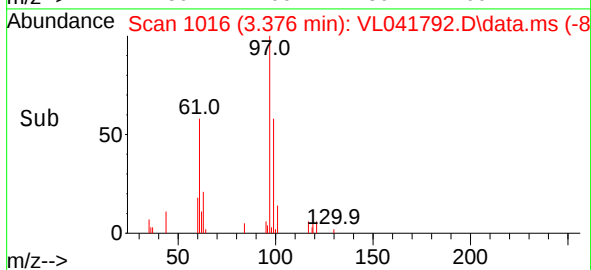
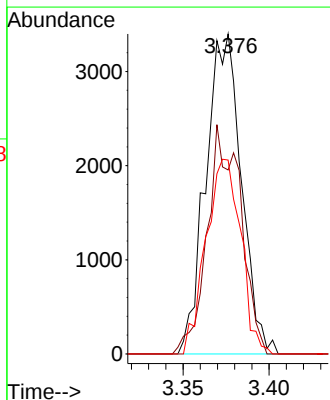
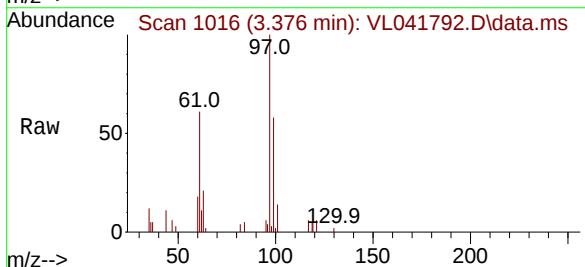
Instrument :
 MSVOA_L
 ClientSampleId :

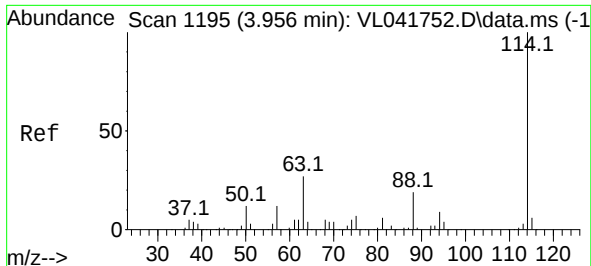
Tgt Ion: 61 Resp: 3624
 Ion Ratio Lower Upper
 61 100
 96 65.4 49.7 74.5
 98 33.0 30.8 46.2



#32
 1,1,1-Trichloroethane
 Concen: 0.330 ppbv
 RT: 3.376 min Scan# 1016
 Delta R.T. 0.013 min
 Lab File: VL041792.D
 Acq: 18 Dec 2024 13:30

Tgt Ion: 97 Resp: 4884
 Ion Ratio Lower Upper
 97 100
 99 67.3 51.0 76.4
 61 59.7 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: VL041792.D

Acq: 18 Dec 2024 13:30

Instrument :

MSVOA_L

ClientSampleId :

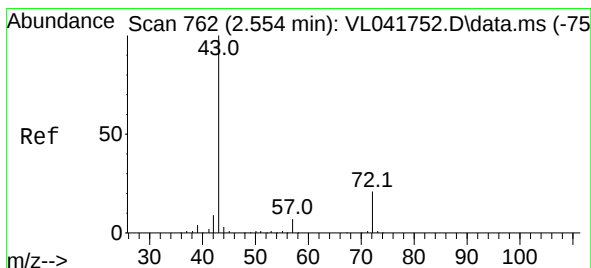
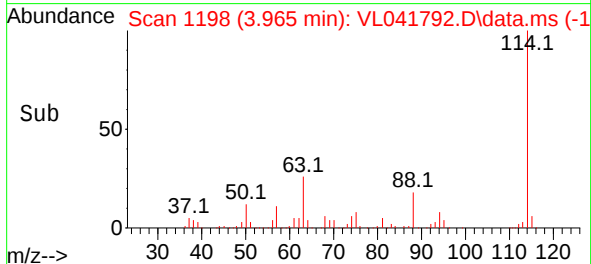
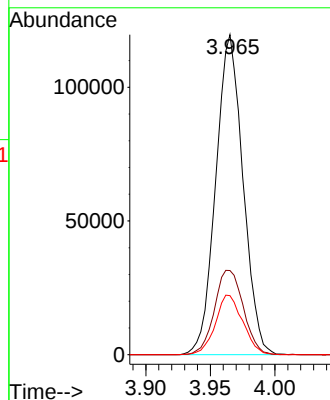
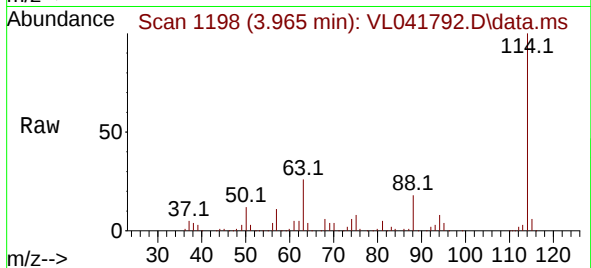
Tgt Ion:114 Resp: 175551

Ion Ratio Lower Upper

114 100

63 28.0 21.8 32.8

88 18.8 14.8 22.2



#34

2-Butanone

Concen: 0.347 ppbv

RT: 2.564 min Scan# 765

Delta R.T. 0.009 min

Lab File: VL041792.D

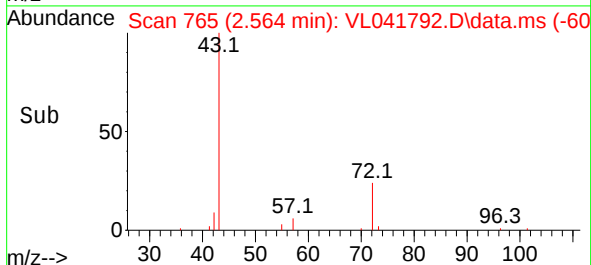
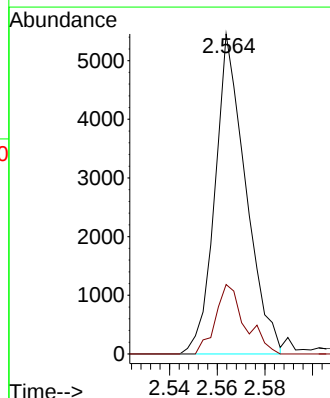
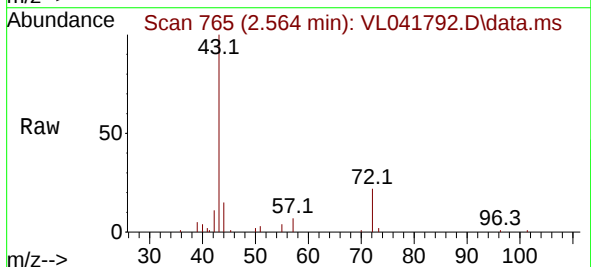
Acq: 18 Dec 2024 13:30

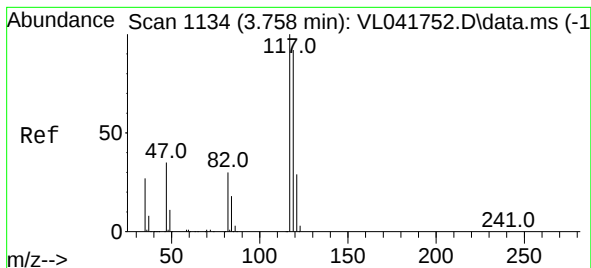
Tgt Ion: 43 Resp: 4896

Ion Ratio Lower Upper

43 100

72 20.7 16.8 25.2





#35

Carbon Tetrachloride

Concen: 0.193 ppbv

RT: 3.765 min Scan# 1136

Delta R.T. 0.006 min

Lab File: VL041792.D

Acq: 18 Dec 2024 13:30

Instrument :

MSVOA_L

ClientSampleId :

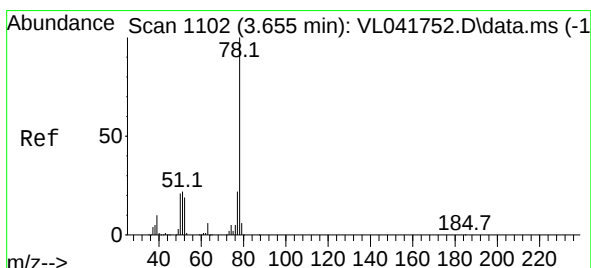
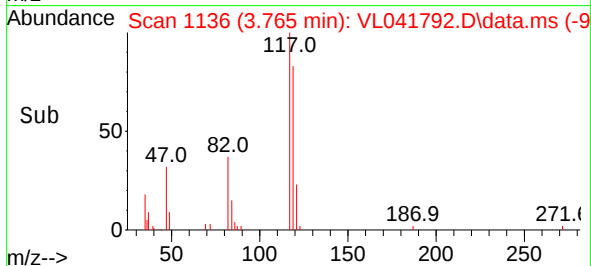
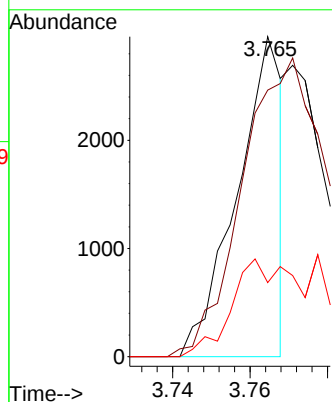
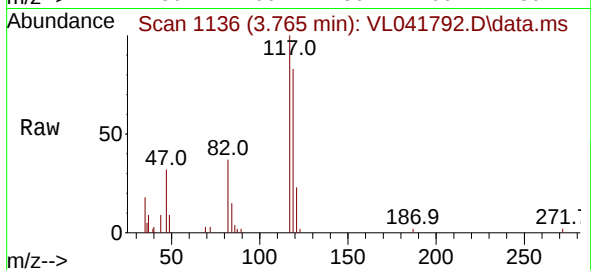
Tgt Ion:117 Resp: 2403

Ion Ratio Lower Upper

117 100

119 80.9 73.7 110.5

121 23.1 23.0 34.4



#36

Benzene

Concen: 0.302 ppbv

RT: 3.661 min Scan# 1104

Delta R.T. 0.006 min

Lab File: VL041792.D

Acq: 18 Dec 2024 13:30

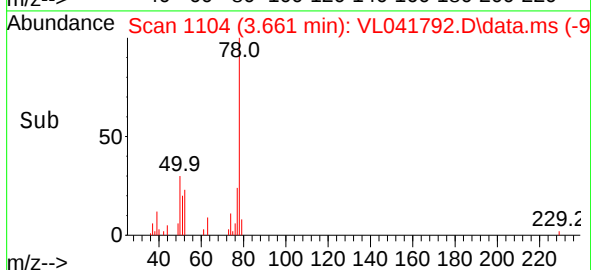
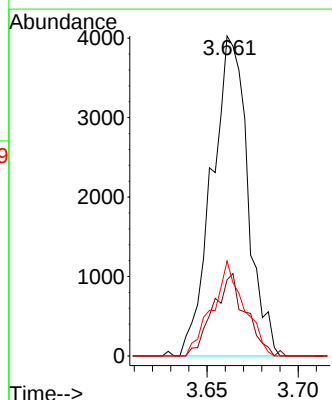
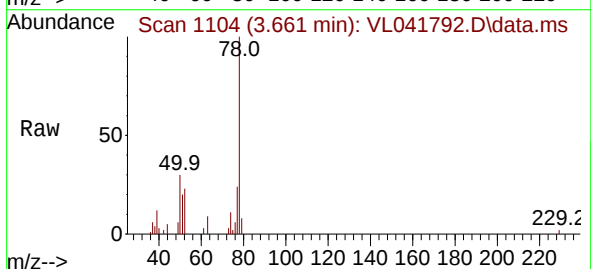
Tgt Ion: 78 Resp: 5491

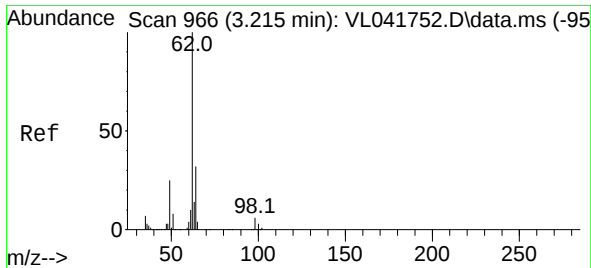
Ion Ratio Lower Upper

78 100

77 23.8 17.8 26.6

50 29.7 17.2 25.8#





#37

1,2-Dichloroethane

Concen: 0.432 ppbv

RT: 3.221 min Scan# 9

Delta R.T. 0.006 min

Lab File: VL041792.D

Acq: 18 Dec 2024 13:30

Instrument :

MSVOA_L

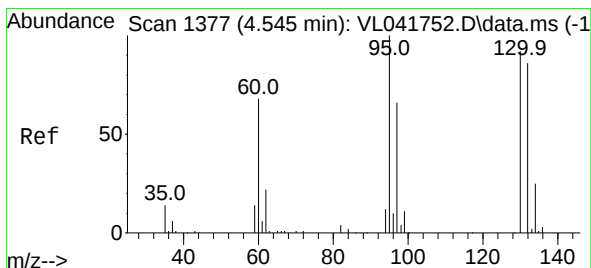
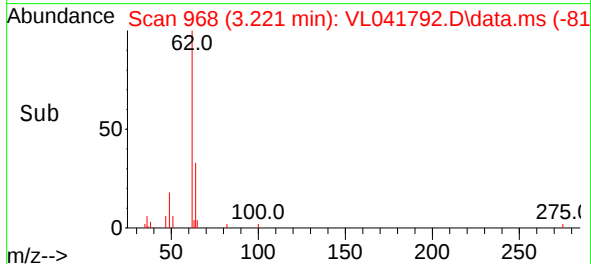
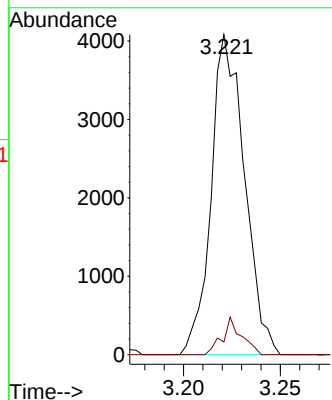
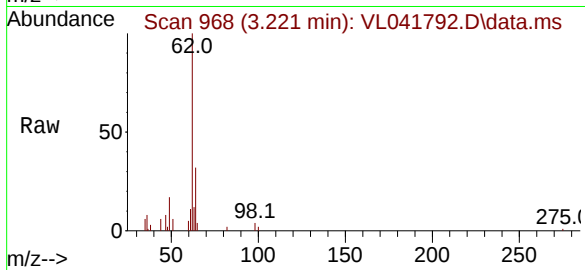
ClientSampleId :

Tgt Ion: 62 Resp: 4884

Ion Ratio Lower Upper

62 100

98 6.7 4.7 7.1



#38

Trichloroethene

Concen: 0.171 ppbv

RT: 4.554 min Scan# 1380

Delta R.T. 0.009 min

Lab File: VL041792.D

Acq: 18 Dec 2024 13:30

Tgt Ion:130 Resp: 1315

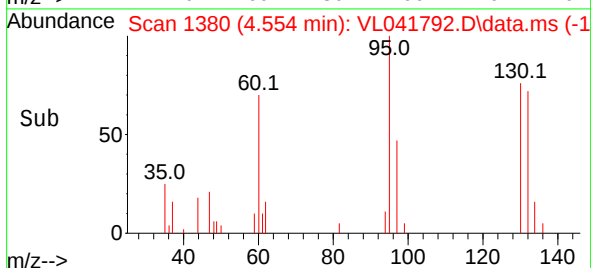
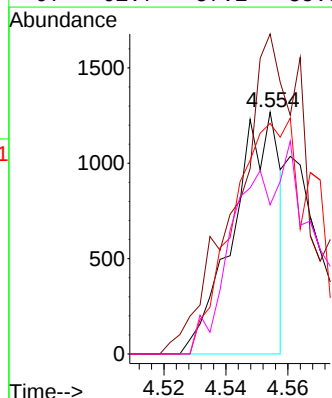
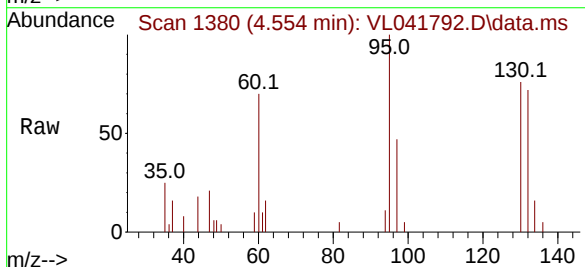
Ion Ratio Lower Upper

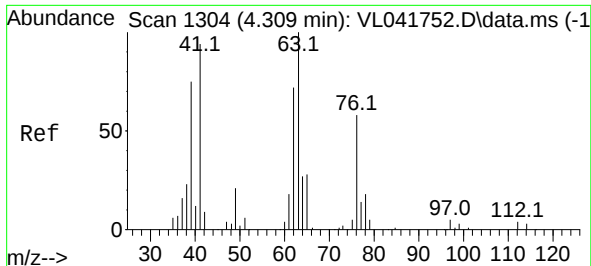
130 100

95 124.3 87.0 130.6

132 95.3 75.0 112.6

97 61.7 57.2 85.8





#39

1,2-Dichloropropane

Concen: 0.347 ppbv

RT: 4.321 min Scan# 1308

Delta R.T. 0.013 min

Lab File: VL041792.D

Acq: 18 Dec 2024 13:30

Instrument :

MSVOA_L

ClientSampleId :

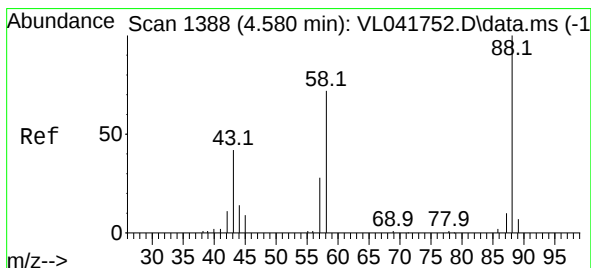
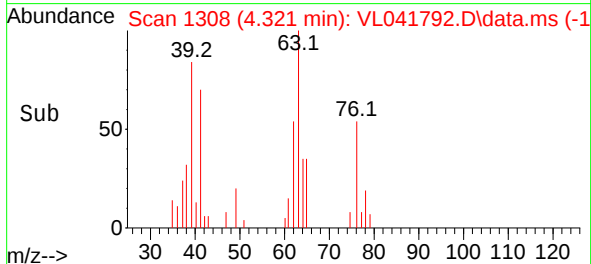
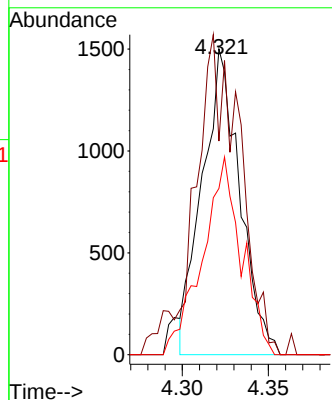
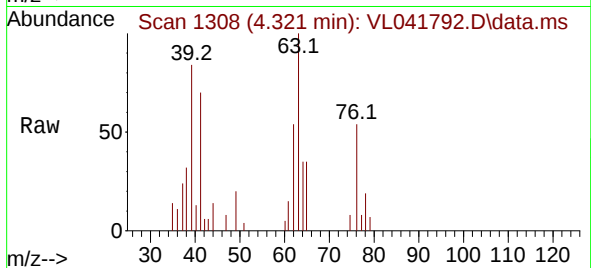
Tgt Ion: 63 Resp: 2280

Ion Ratio Lower Upper

63 100

41 69.9 75.3 112.9#

62 54.4 57.3 85.9#



#40

1,4-Dioxane

Concen: 0.087 ppbv

RT: 4.609 min Scan# 1397

Delta R.T. 0.029 min

Lab File: VL041792.D

Acq: 18 Dec 2024 13:30

Tgt Ion: 88 Resp: 280

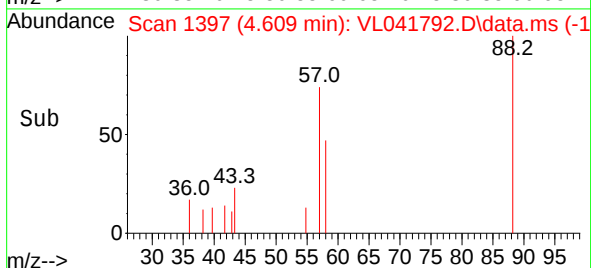
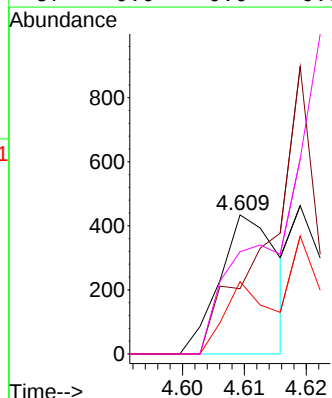
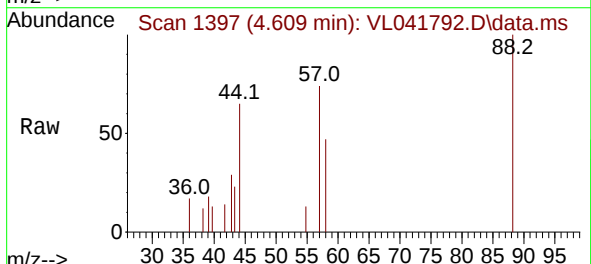
Ion Ratio Lower Upper

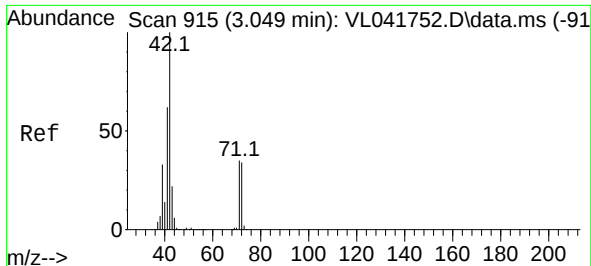
88 100

58 0.0 61.0 91.6#

43 0.0 29.4 44.0#

57 0.0 0.0 0.0





#41

Tetrahydrofuran

Concen: 0.226 ppbv

RT: 3.072 min Scan# 91

Delta R.T. 0.022 min

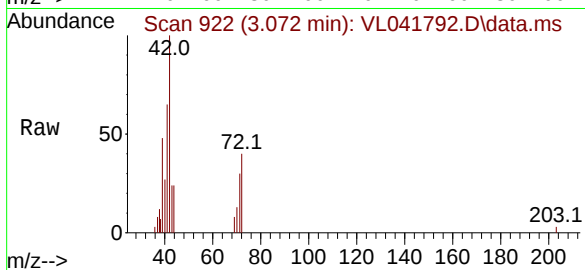
Lab File: VL041792.D

Acq: 18 Dec 2024 13:30

Instrument :

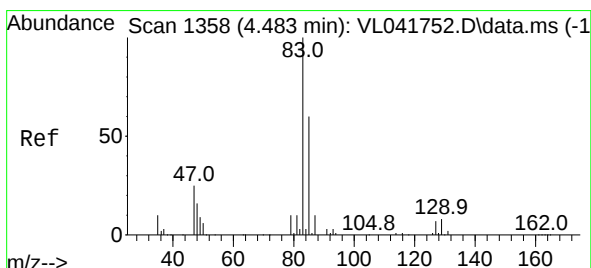
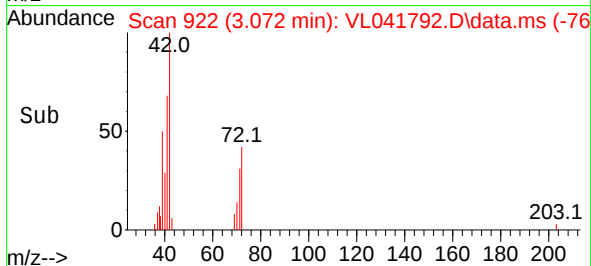
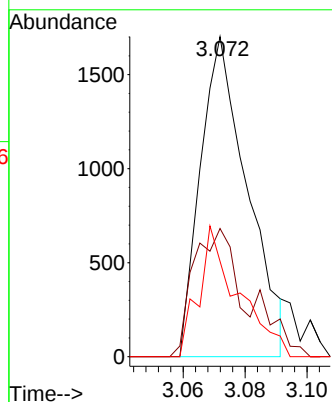
MSVOA_L

ClientSampleId :



Tgt Ion: 42 Resp: 1788

Ion	Ratio	Lower	Upper
42	100		
72	46.1	29.1	43.7#
71	34.2	28.4	42.6



#42

Bromodichloromethane

Concen: 0.161 ppbv

RT: 4.493 min Scan# 1361

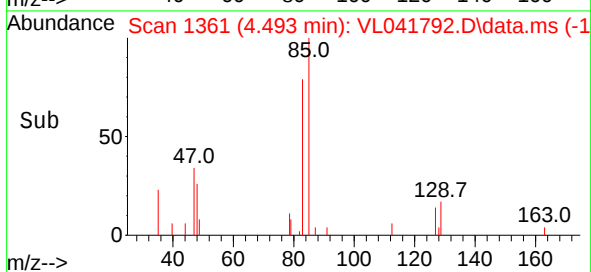
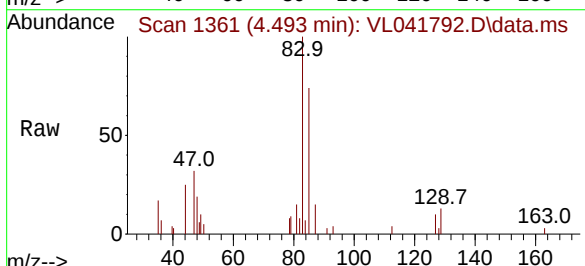
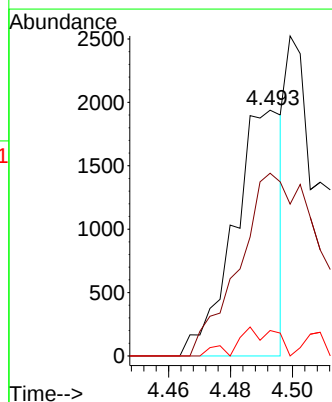
Delta R.T. 0.009 min

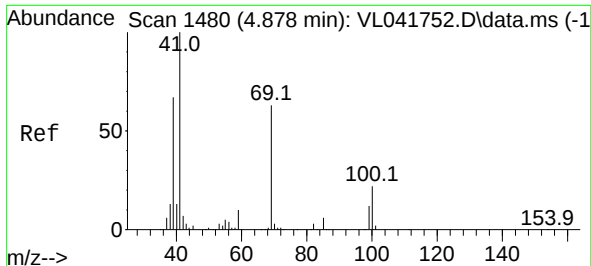
Lab File: VL041792.D

Acq: 18 Dec 2024 13:30

Tgt Ion: 83 Resp: 2098

Ion	Ratio	Lower	Upper
83	100		
85	74.4	48.0	72.0#
127	10.4	5.8	8.8#





#43

Methyl Methacrylate

Concen: 0.127 ppbv

RT: 4.891 min Scan# 1484

Delta R.T. 0.013 min

Lab File: VL041792.D

Acq: 18 Dec 2024 13:30

Instrument :

MSVOA_L

ClientSampleId :

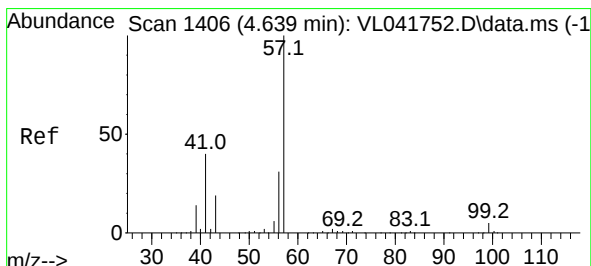
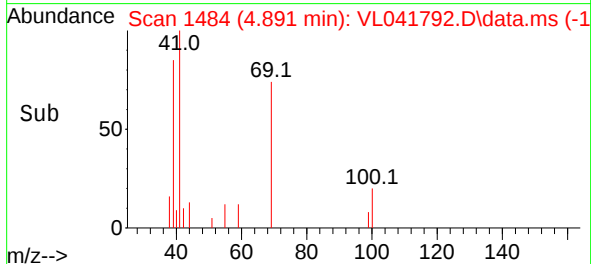
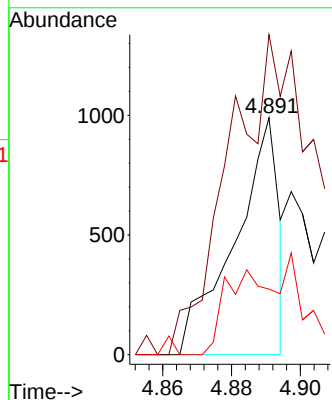
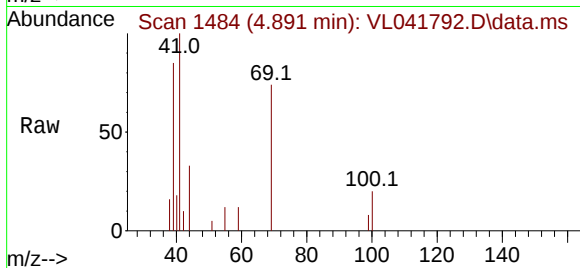
Tgt Ion: 69 Resp: 880

Ion Ratio Lower Upper

69 100

41 289.2 130.3 195.5#

100 0.0 28.3 42.5#



#44

2,2,4-Trimethylpentane

Concen: 0.154 ppbv

RT: 4.648 min Scan# 1409

Delta R.T. 0.009 min

Lab File: VL041792.D

Acq: 18 Dec 2024 13:30

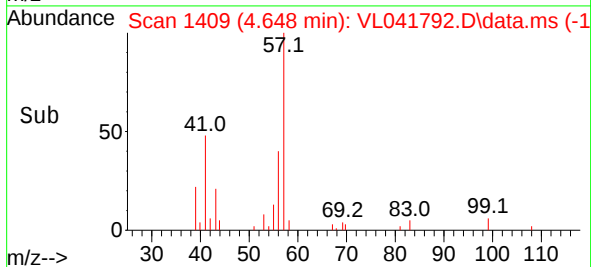
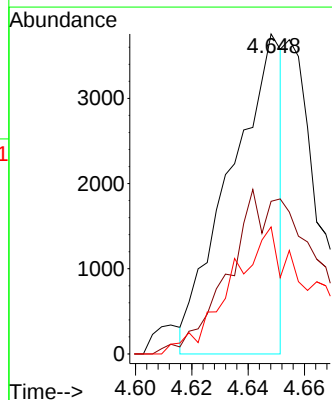
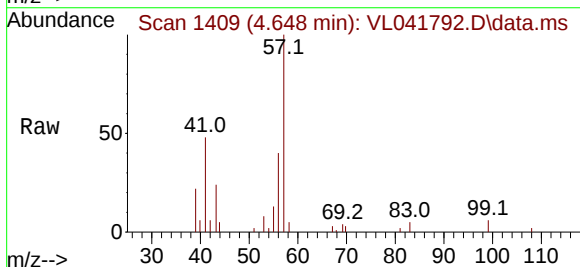
Tgt Ion: 57 Resp: 4764

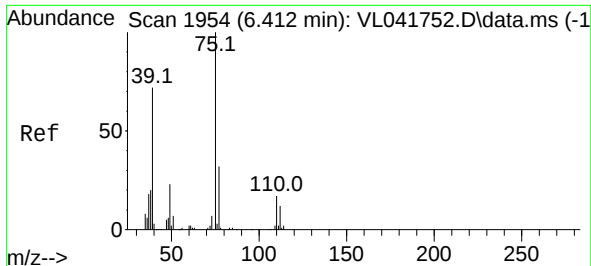
Ion Ratio Lower Upper

57 100

41 86.4 30.7 46.1#

56 60.7 25.4 38.0#





#45

t-1,3-Dichloropropene

Concen: 0.089 ppbv

RT: 6.415 min Scan# 1954

Delta R.T. 0.003 min

Lab File: VL041792.D

Acq: 18 Dec 2024 13:30

Instrument :

MSVOA_L

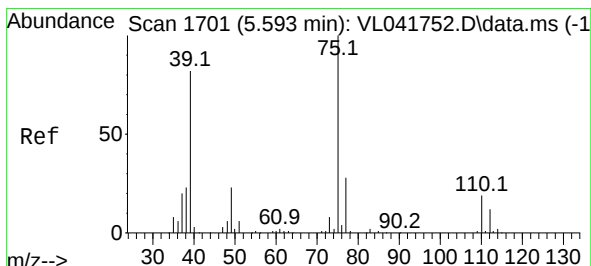
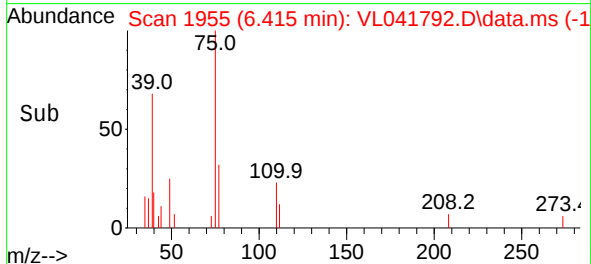
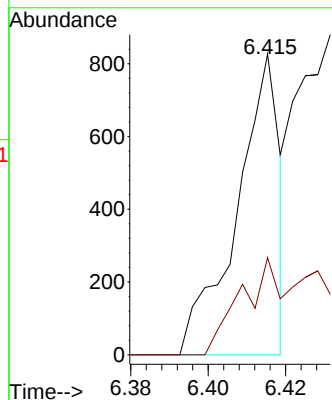
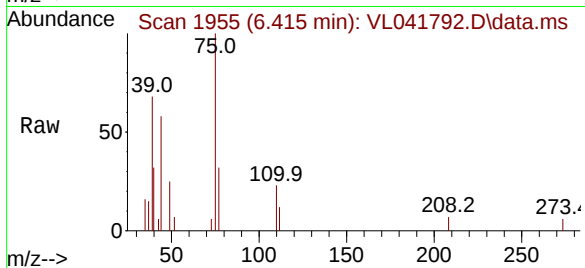
ClientSampleId :

Tgt Ion: 75 Resp: 637

Ion Ratio Lower Upper

75 100

77 32.3 25.9 38.9



#46

cis-1,3-Dichloropropene

Concen: 0.084 ppbv

RT: 5.616 min Scan# 1708

Delta R.T. 0.022 min

Lab File: VL041792.D

Acq: 18 Dec 2024 13:30

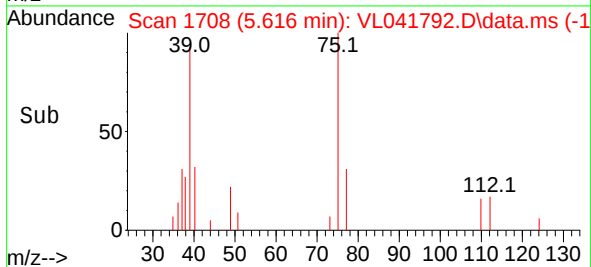
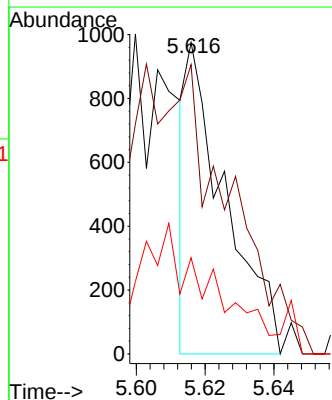
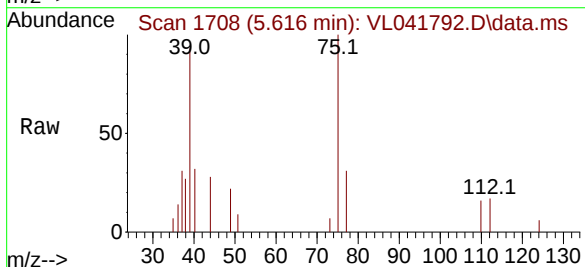
Tgt Ion: 75 Resp: 759

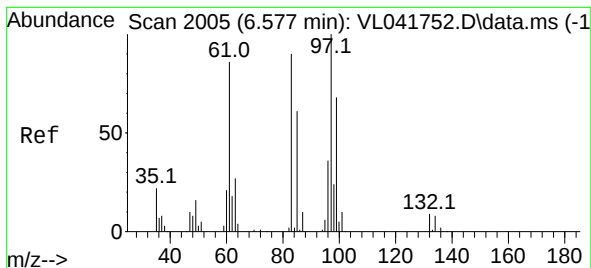
Ion Ratio Lower Upper

75 100

39 70.6 65.2 97.8

77 24.6 22.0 33.0





#47

1,1,2-Trichloroethane

Concen: 0.063 ppbv

RT: 6.590 min Scan# 2005

Delta R.T. 0.013 min

Lab File: VL041792.D

Acq: 18 Dec 2024 13:30

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 97 Resp: 435

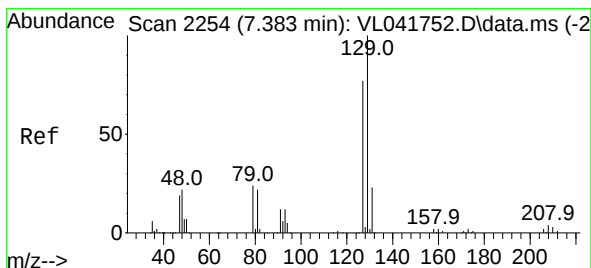
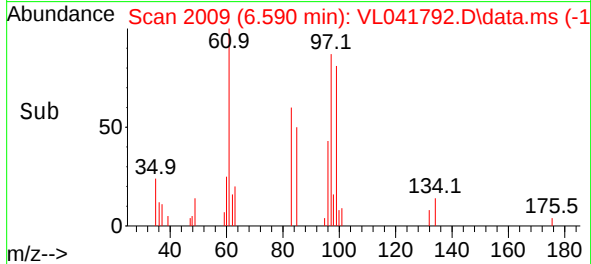
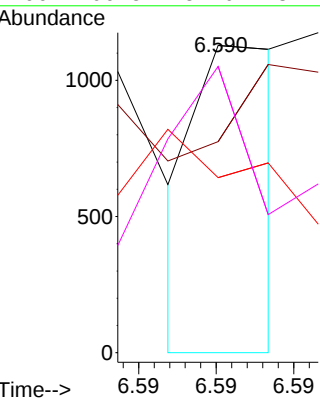
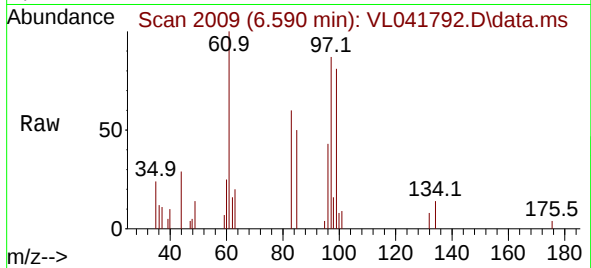
Ion Ratio Lower Upper

97 100

83 13.9 72.3 108.5#

85 0.0 48.5 72.7#

99 106.5 54.0 81.0#



#48

Dibromochloromethane

Concen: 0.184 ppbv

RT: 7.393 min Scan# 2257

Delta R.T. 0.009 min

Lab File: VL041792.D

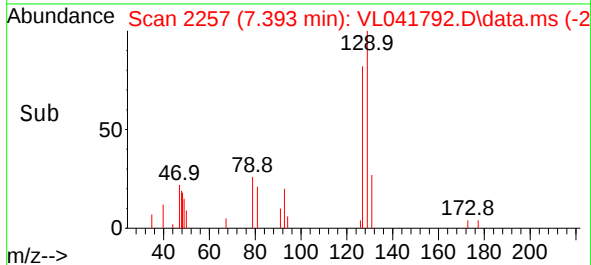
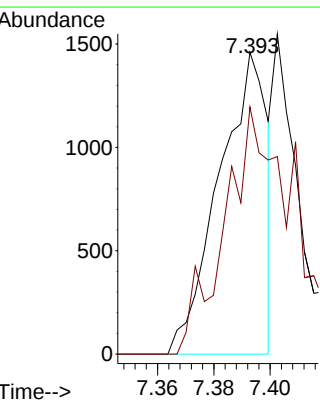
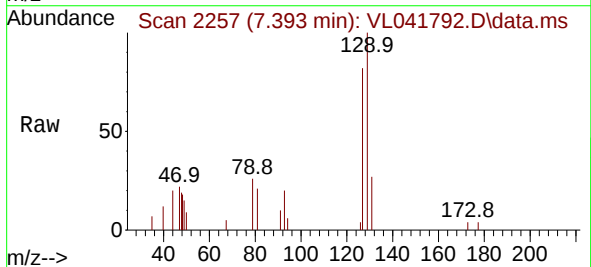
Acq: 18 Dec 2024 13:30

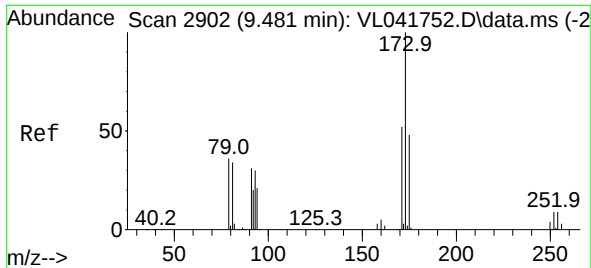
Tgt Ion:129 Resp: 1726

Ion Ratio Lower Upper

129 100

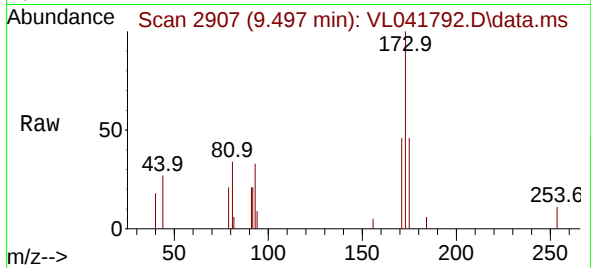
127 115.3 38.8 116.3



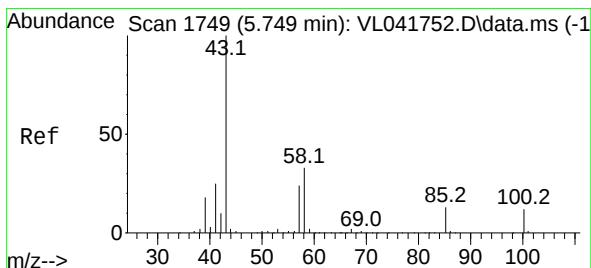
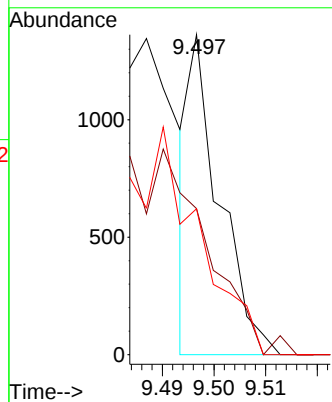
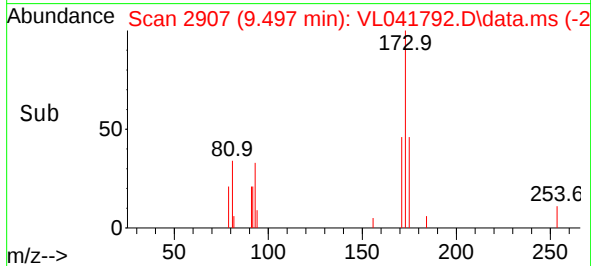


#49
Bromoform
Concen: 0.073 ppbv
RT: 9.497 min Scan# 20
Delta R.T. 0.016 min
Lab File: VL041792.D
Acq: 18 Dec 2024 13:30

Instrument :
MSVOA_L
ClientSampleId :

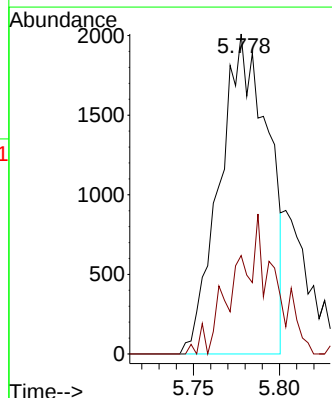
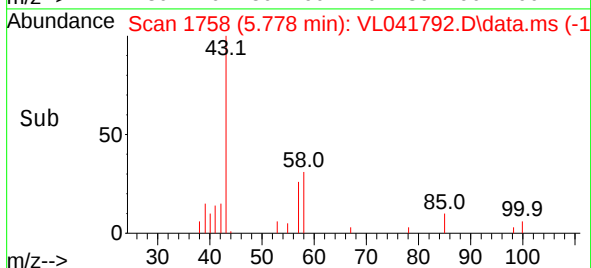
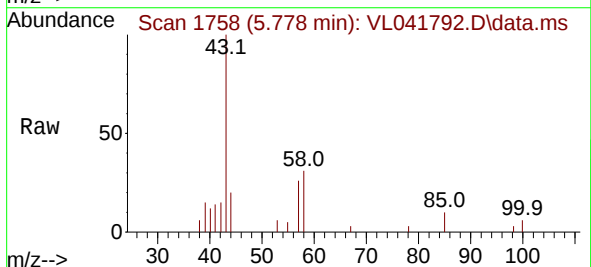


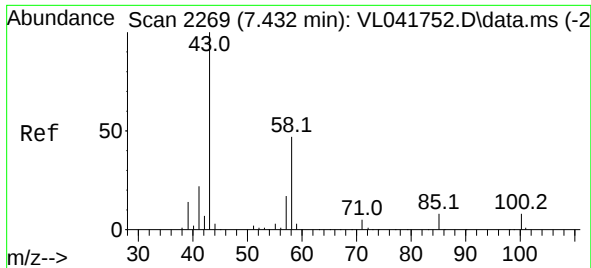
Tgt Ion:173 Resp: 556
Ion Ratio Lower Upper
173 100
175 0.0 38.2 57.2#
171 0.0 41.1 61.7#



#50
4-Methyl-2-Pentanone
Concen: 0.204 ppbv
RT: 5.778 min Scan# 1758
Delta R.T. 0.029 min
Lab File: VL041792.D
Acq: 18 Dec 2024 13:30

Tgt Ion: 43 Resp: 3923
Ion Ratio Lower Upper
43 100
58 36.4 26.8 40.2

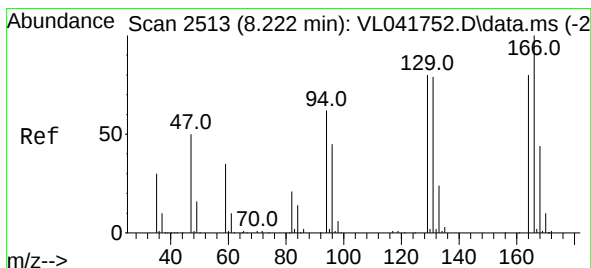
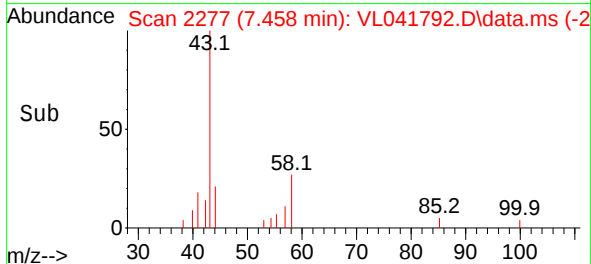
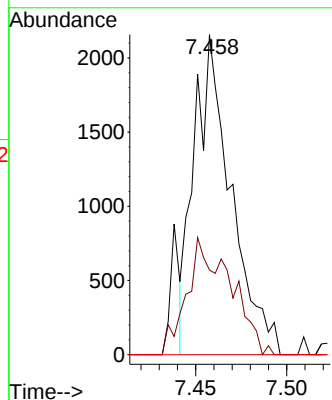
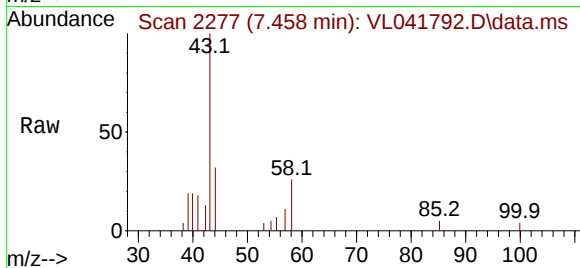




#51
2-Hexanone
Concen: 0.196 ppbv
RT: 7.458 min Scan# 21
Delta R.T. 0.026 min
Lab File: VL041792.D
Acq: 18 Dec 2024 13:30

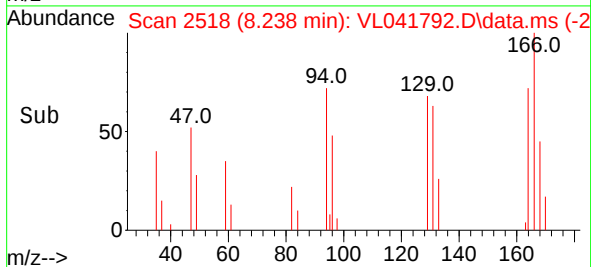
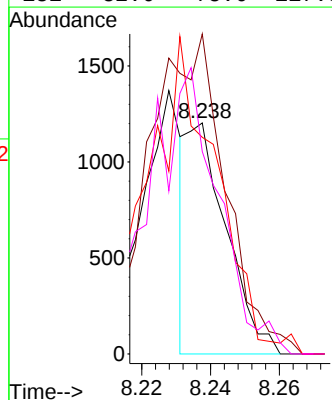
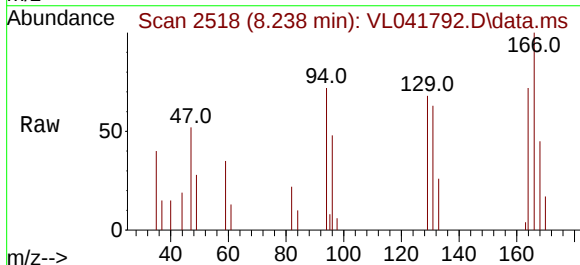
Instrument :
MSVOA_L
ClientSampleId :

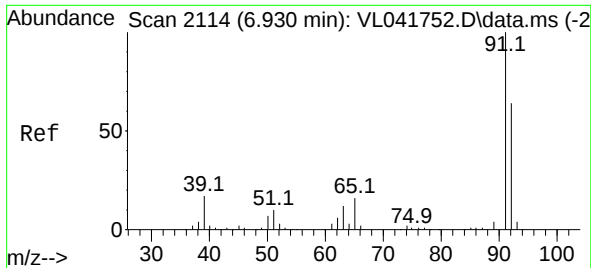
Tgt Ion: 43 Resp: 3050
Ion Ratio Lower Upper
43 100
58 43.2 36.6 55.0
98 0.0 0.1 0.1#



#52
Tetrachloroethene
Concen: 0.141 ppbv
RT: 8.238 min Scan# 2518
Delta R.T. 0.016 min
Lab File: VL041792.D
Acq: 18 Dec 2024 13:30

Tgt Ion:164 Resp: 950
Ion Ratio Lower Upper
164 100
166 130.0 99.8 149.6
129 89.0 79.6 119.4
131 82.6 78.6 117.8





#53

Toluene

Concen: 0.168 ppbv

RT: 6.940 min Scan# 2114

Delta R.T. 0.009 min

Lab File: VL041792.D

Acq: 18 Dec 2024 13:30

Instrument :

MSVOA_L

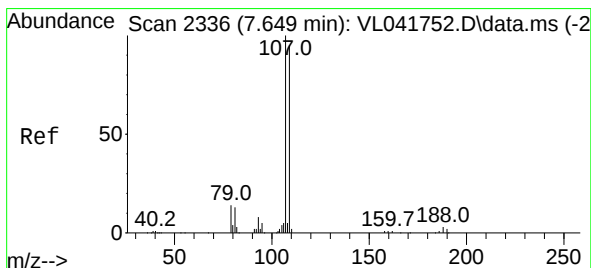
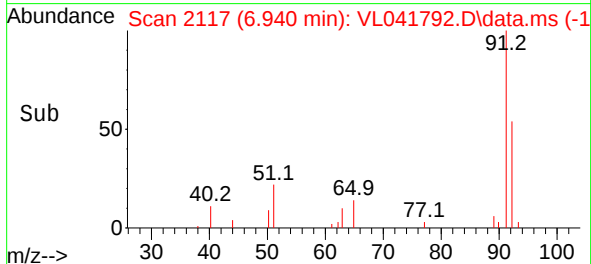
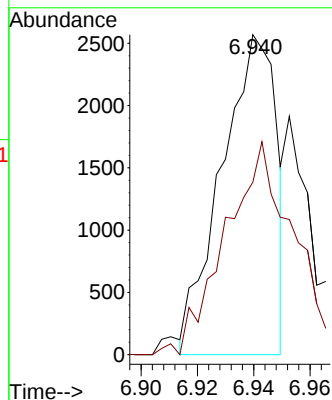
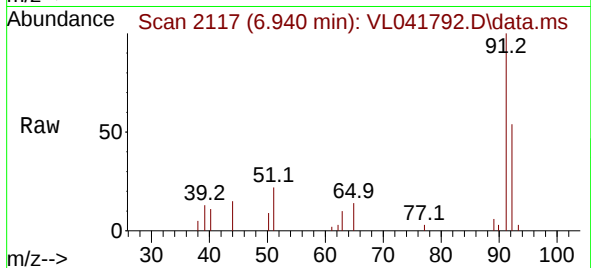
ClientSampleId :

Tgt Ion: 91 Resp: 3469

Ion Ratio Lower Upper

91 100

92 83.0 47.9 71.9#



#54

1,2-Dibromoethane

Concen: 0.282 ppbv

RT: 7.658 min Scan# 2339

Delta R.T. 0.009 min

Lab File: VL041792.D

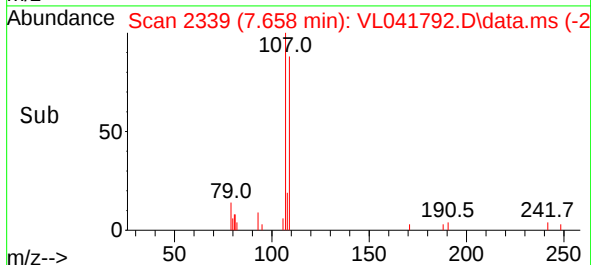
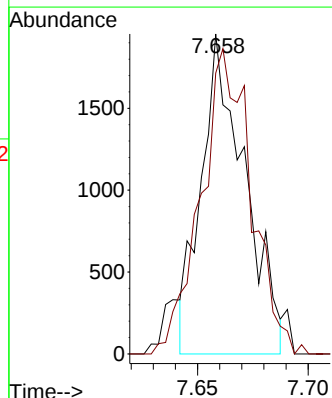
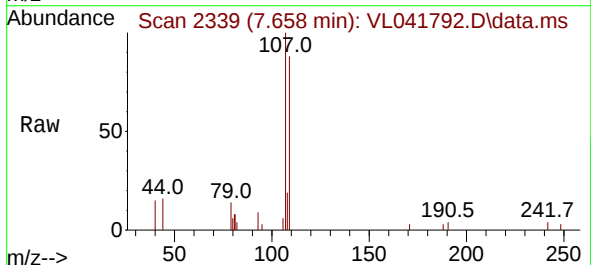
Acq: 18 Dec 2024 13:30

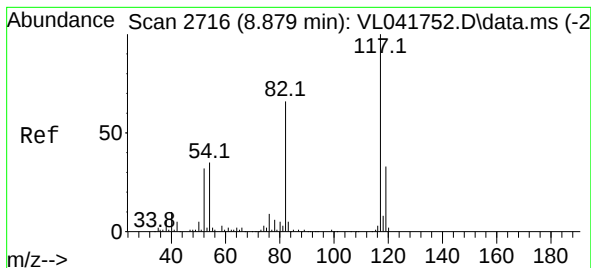
Tgt Ion:107 Resp: 2668

Ion Ratio Lower Upper

107 100

109 88.7 75.9 113.9





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.888 min Scan# 21

Delta R.T. 0.009 min

Lab File: VL041792.D

Acq: 18 Dec 2024 13:30

Instrument :

MSVOA_L

ClientSampleId :

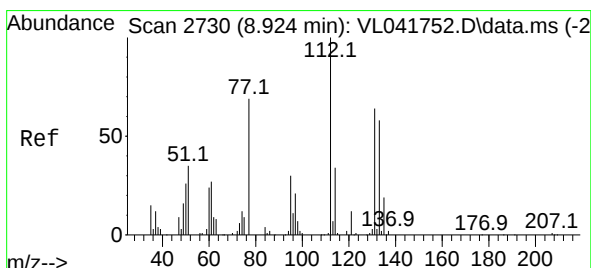
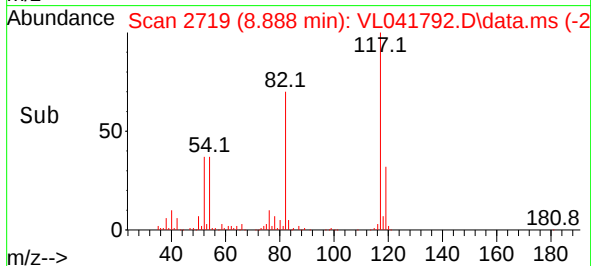
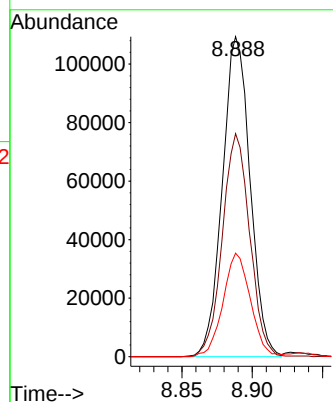
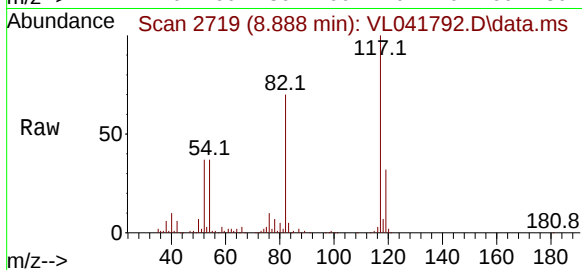
Tgt Ion:117 Resp: 149982

Ion Ratio Lower Upper

117 100

82 68.8 53.8 80.8

119 33.0 26.7 40.1



#56

1,1,1,2-Tetrachloroethane

Concen: 0.398 ppbv

RT: 8.937 min Scan# 2734

Delta R.T. 0.013 min

Lab File: VL041792.D

Acq: 18 Dec 2024 13:30

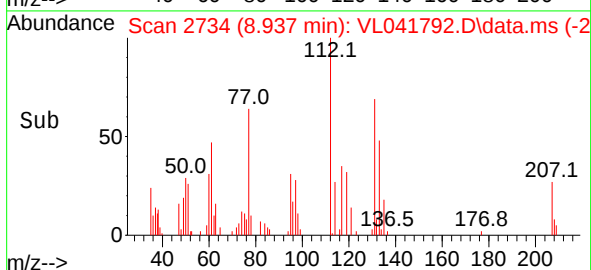
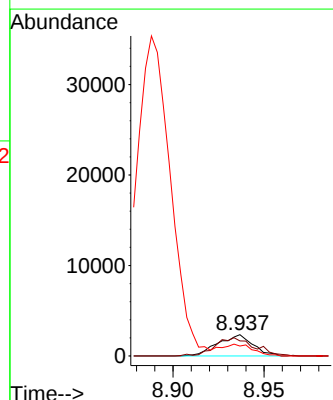
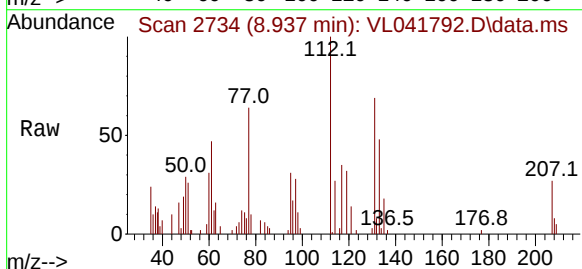
Tgt Ion:131 Resp: 3161

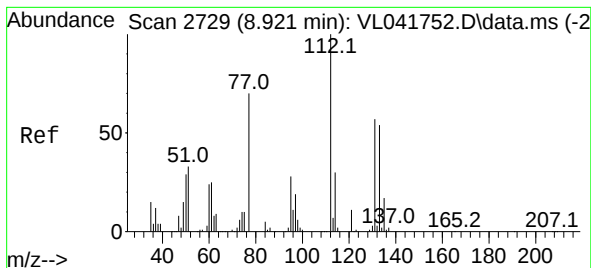
Ion Ratio Lower Upper

131 100

133 94.6 76.8 115.2

119 1563.8 49.0 73.6#





#57

Chlorobenzene

Concen: 0.419 ppbv

RT: 8.933 min Scan# 21

Delta R.T. 0.013 min

Lab File: VL041792.D

Acq: 18 Dec 2024 13:30

Instrument :

MSVOA_L

ClientSampleId :

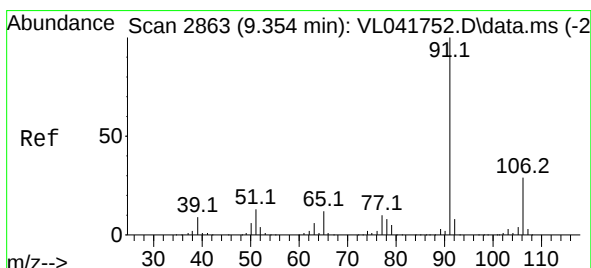
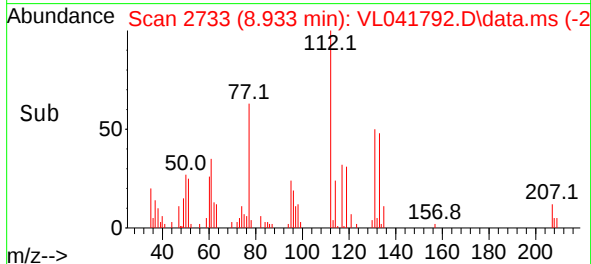
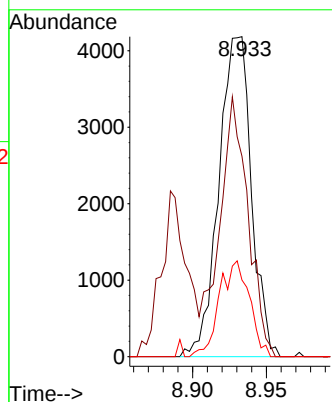
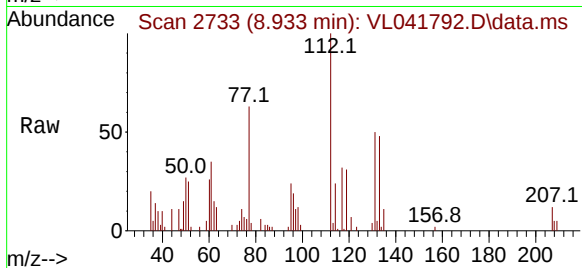
Tgt Ion:112 Resp: 6429

Ion Ratio Lower Upper

112 100

77 62.7 57.4 86.0

114 23.9 27.4 33.4#



#58

Ethyl Benzene

Concen: 0.214 ppbv

RT: 9.361 min Scan# 2865

Delta R.T. 0.006 min

Lab File: VL041792.D

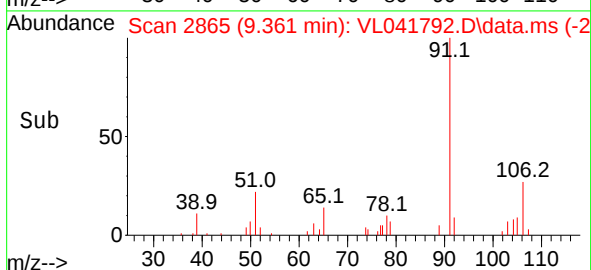
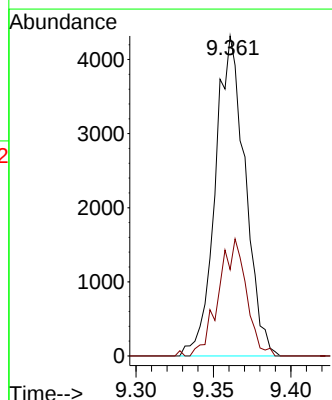
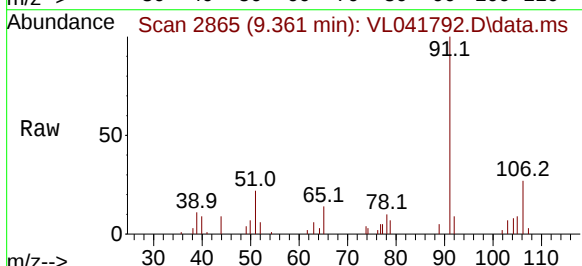
Acq: 18 Dec 2024 13:30

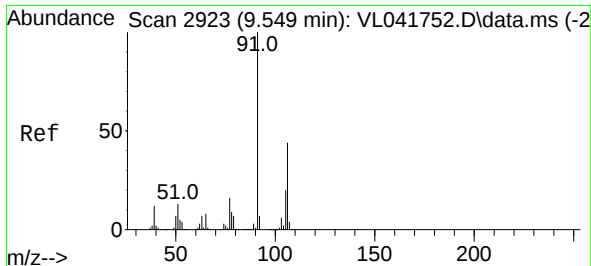
Tgt Ion: 91 Resp: 5789

Ion Ratio Lower Upper

91 100

106 27.0 23.5 35.3

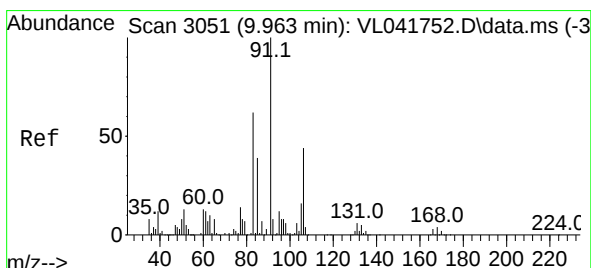
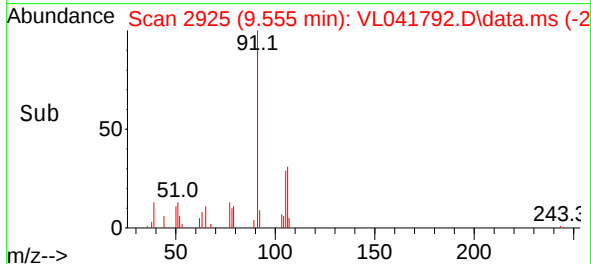
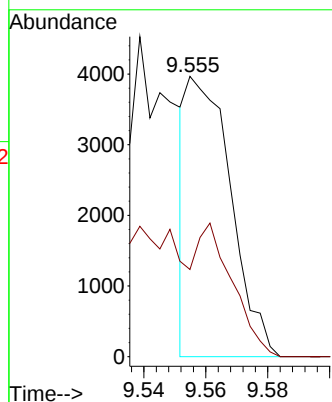
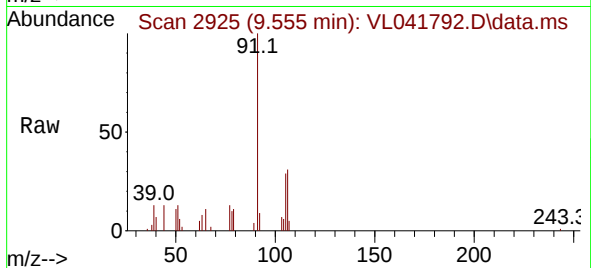




#59
m/p-Xylene
Concen: 0.181 ppbv
RT: 9.555 min Scan# 2925
Delta R.T. 0.006 min
Lab File: VL041792.D
Acq: 18 Dec 2024 13:30

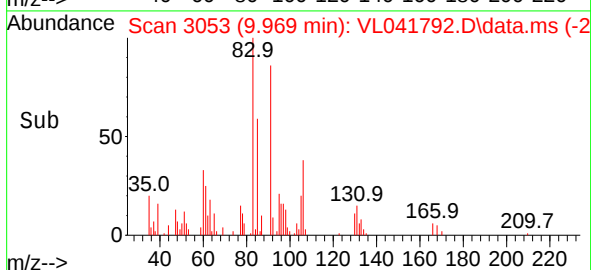
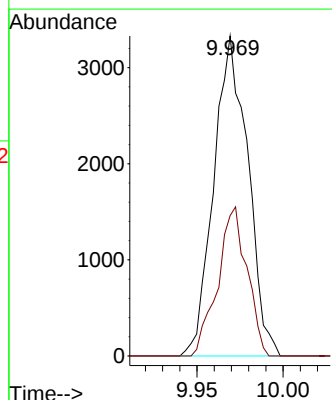
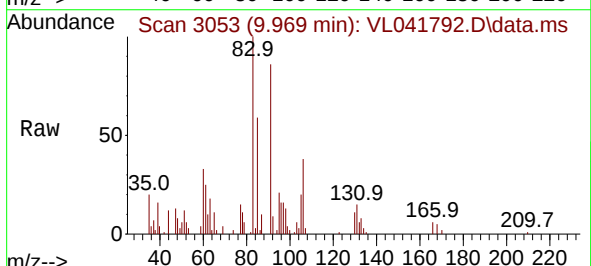
Instrument :
MSVOA_L
ClientSampleId :

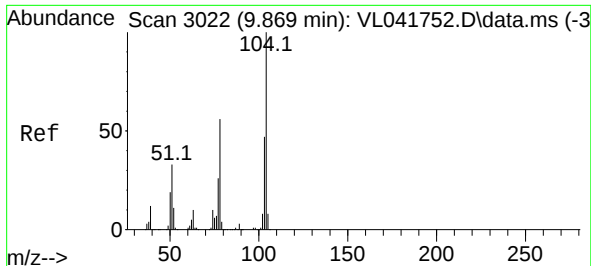
Tgt Ion: 91 Resp: 3921
Ion Ratio Lower Upper
91 100
106 112.5 0.0 0.0#



#60
o-Xylene
Concen: 0.211 ppbv
RT: 9.969 min Scan# 3053
Delta R.T. 0.006 min
Lab File: VL041792.D
Acq: 18 Dec 2024 13:30

Tgt Ion: 91 Resp: 4585
Ion Ratio Lower Upper
91 100
106 40.1 21.1 63.4





#61

Styrene

Concen: 0.193 ppbv

RT: 9.875 min Scan# 3022

Delta R.T. 0.006 min

Lab File: VL041792.D

Acq: 18 Dec 2024 13:30

Instrument :

MSVOA_L

ClientSampleId :

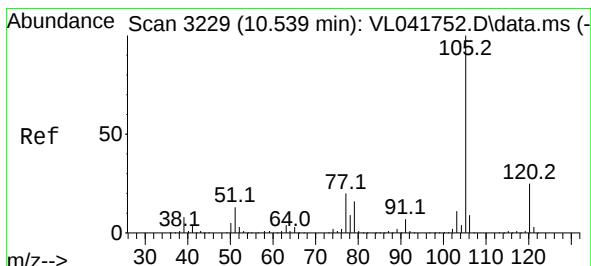
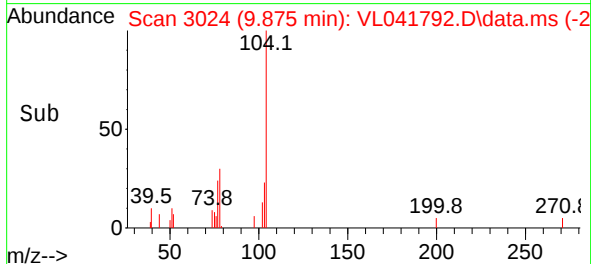
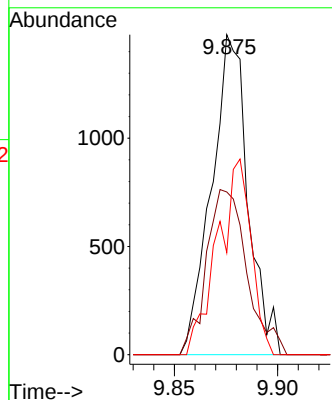
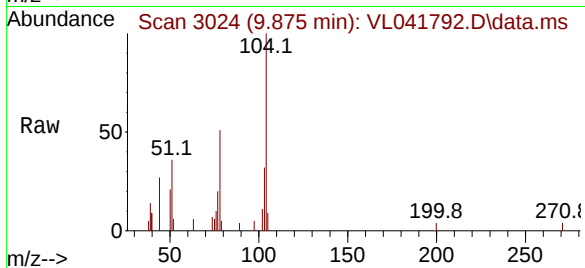
Tgt Ion:104 Resp: 1818

Ion Ratio Lower Upper

104 100

78 57.3 43.8 65.6

103 56.1 37.8 56.6



#62

Isopropylbenzene

Concen: 0.260 ppbv

RT: 10.545 min Scan# 3231

Delta R.T. 0.006 min

Lab File: VL041792.D

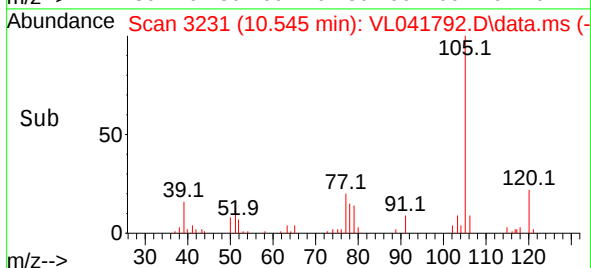
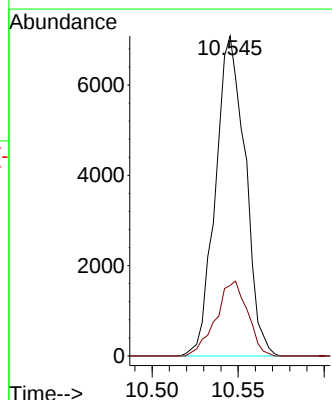
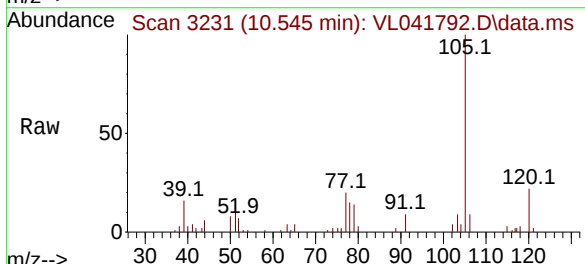
Acq: 18 Dec 2024 13:30

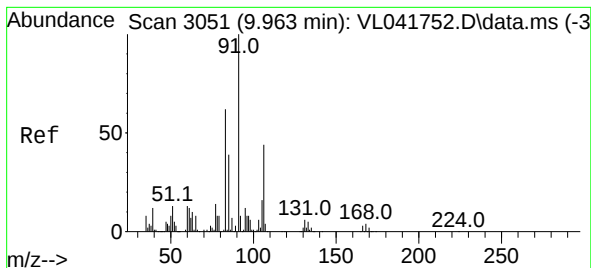
Tgt Ion:105 Resp: 8515

Ion Ratio Lower Upper

105 100

120 24.8 19.8 29.8





#63

1,1,2,2-Tetrachloroethane

Concen: 0.370 ppbv

RT: 9.972 min Scan# 3051

Delta R.T. 0.009 min

Lab File: VL041792.D

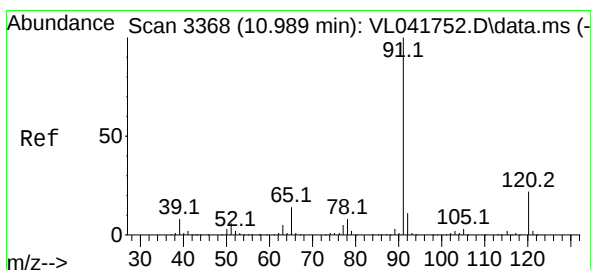
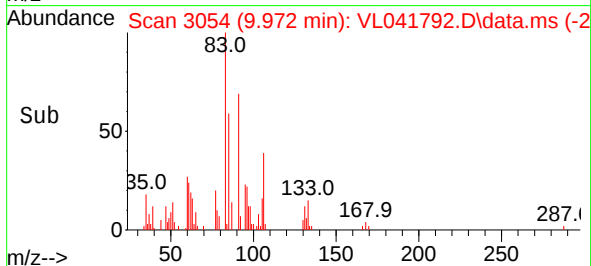
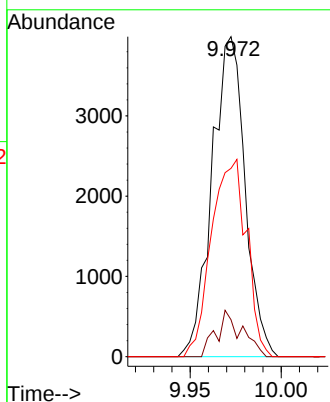
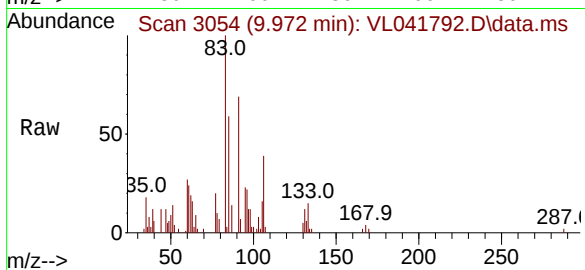
Acq: 18 Dec 2024 13:30

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:	83	Resp:	5038
Ion	Ratio	Lower	Upper
83	100		
131	11.2	4.9	14.7
85	65.5	32.0	96.2



#64

n-propylbenzene

Concen: 0.224 ppbv

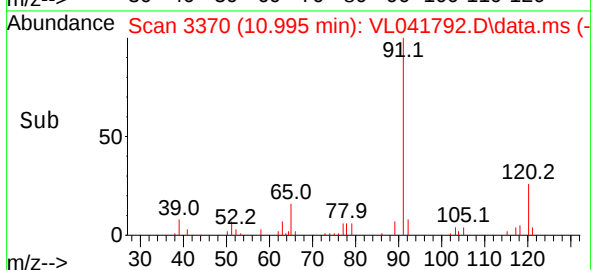
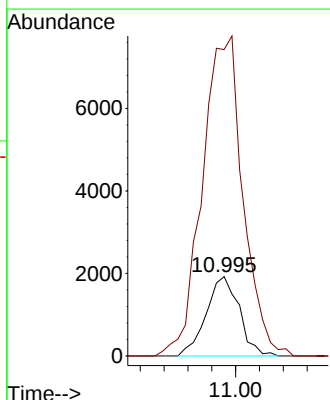
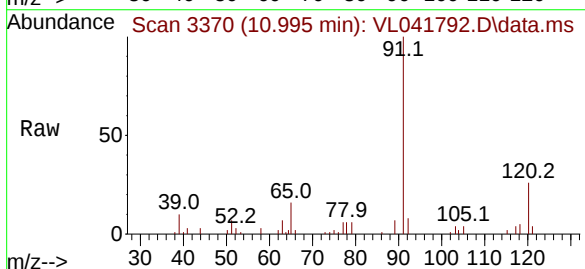
RT: 10.995 min Scan# 3370

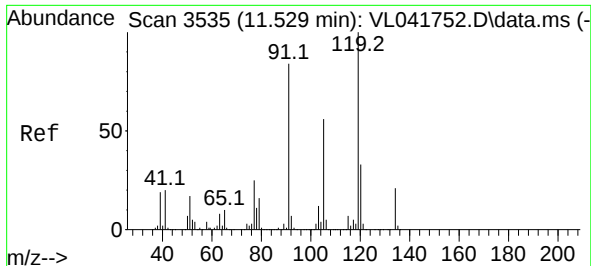
Delta R.T. 0.006 min

Lab File: VL041792.D

Acq: 18 Dec 2024 13:30

Tgt Ion:	120	Resp:	1852
Ion	Ratio	Lower	Upper
120	100		
91	496.7	387.3	580.9





#65

tert-Butylbenzene

Concen: 0.209 ppbv

RT: 11.536 min Scan# 3537

Delta R.T. 0.006 min

Lab File: VL041792.D

Acq: 18 Dec 2024 13:30

Instrument :

MSVOA_L

ClientSampleId :

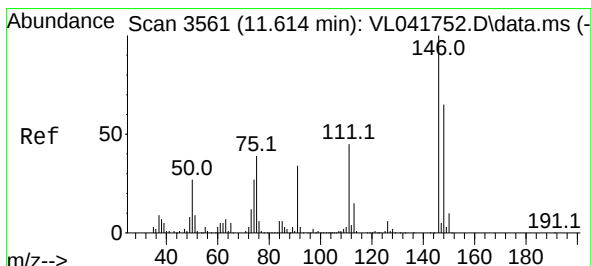
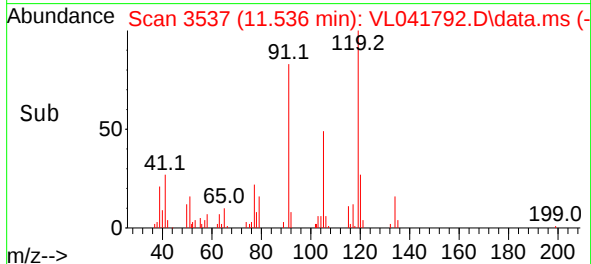
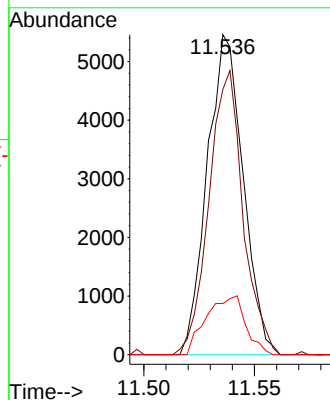
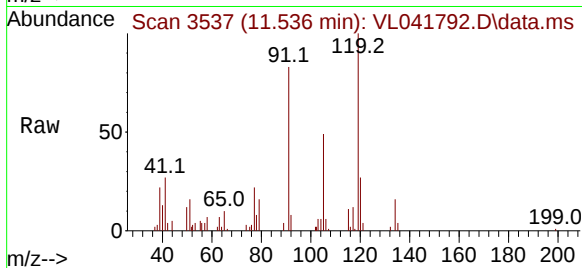
Tgt Ion:119 Resp: 6166

Ion Ratio Lower Upper

119 100

91 84.4 67.0 100.4

134 20.0 16.5 24.7



#66

Benzyl Chloride

Concen: 0.268 ppbv

RT: 11.617 min Scan# 3562

Delta R.T. 0.003 min

Lab File: VL041792.D

Acq: 18 Dec 2024 13:30

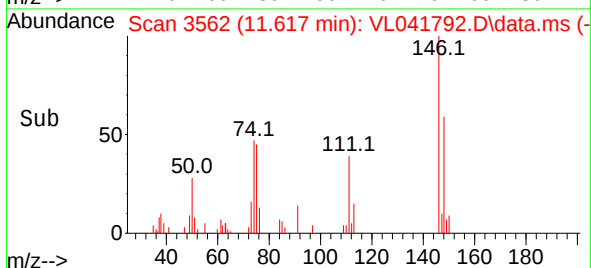
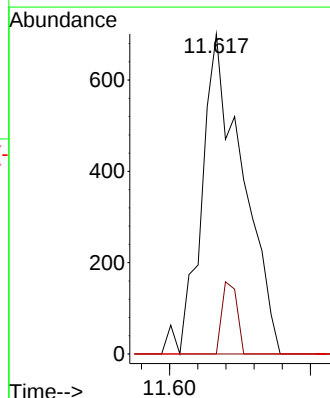
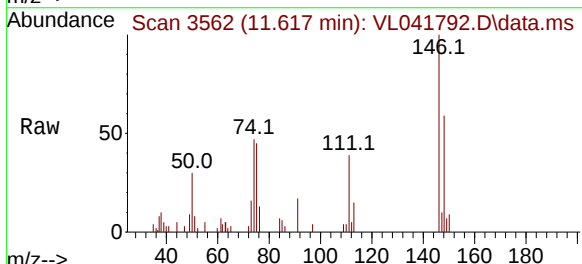
Tgt Ion: 91 Resp: 697

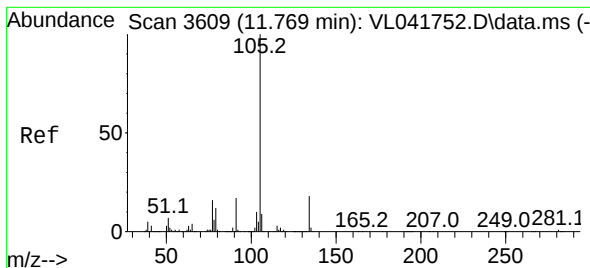
Ion Ratio Lower Upper

91 100

126 8.3 13.9 20.9#

128 0.0 4.4 6.6#





#67

sec-Butylbenzene

Concen: 0.231 ppbv

RT: 11.775 min Scan# 3611

Delta R.T. 0.006 min

Lab File: VL041792.D

Acq: 18 Dec 2024 13:30

Instrument :

MSVOA_L

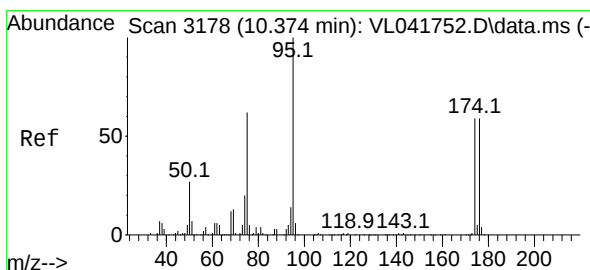
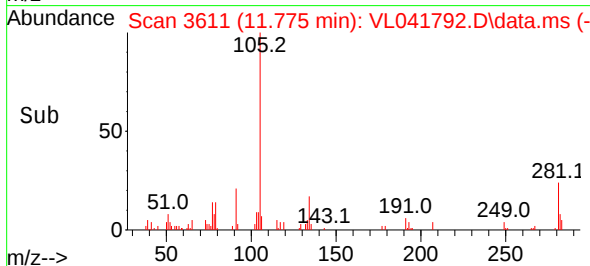
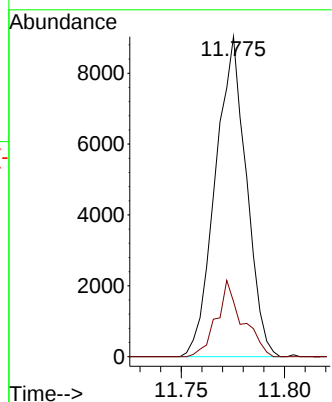
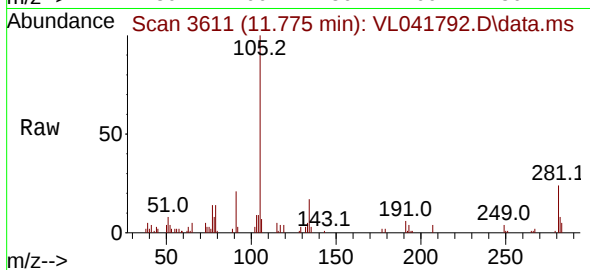
ClientSampleId :

Tgt Ion:105 Resp: 9417

Ion Ratio Lower Upper

105 100

134 19.9 14.5 21.7



#68

1-Bromo-4-Fluorobenzene

Concen: 10.373 ppbv

RT: 10.383 min Scan# 3181

Delta R.T. 0.009 min

Lab File: VL041792.D

Acq: 18 Dec 2024 13:30

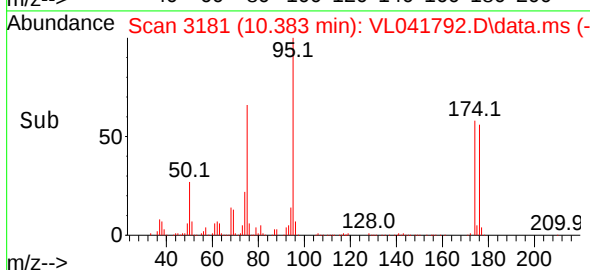
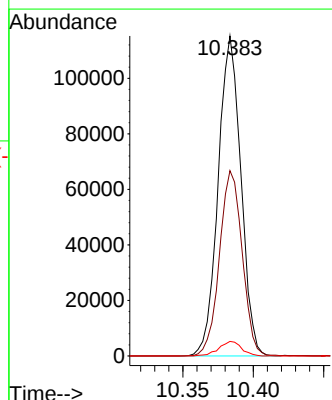
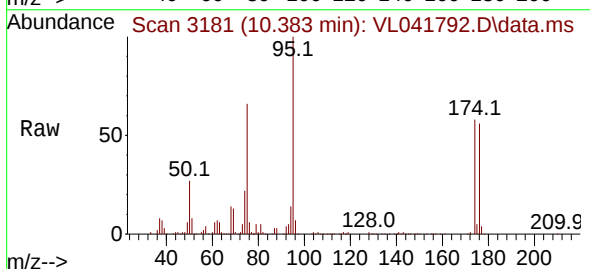
Tgt Ion: 95 Resp: 129651

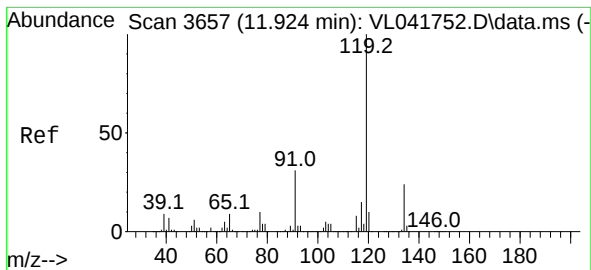
Ion Ratio Lower Upper

95 100

174 57.9 47.6 71.4

175 4.5 3.7 5.5





#69

p-Isopropyltoluene

Concen: 0.199 ppbv

RT: 11.931 min Scan# 3659

Delta R.T. 0.006 min

Lab File: VL041792.D

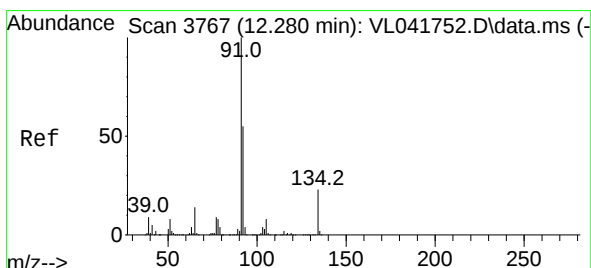
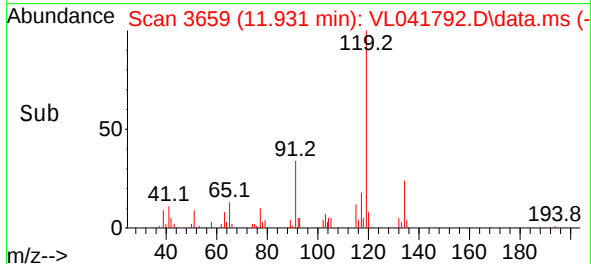
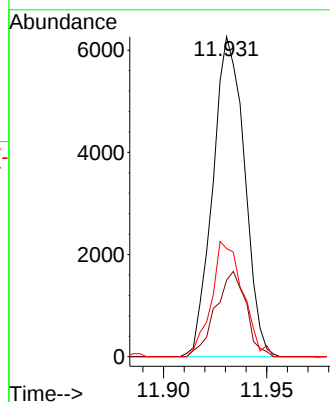
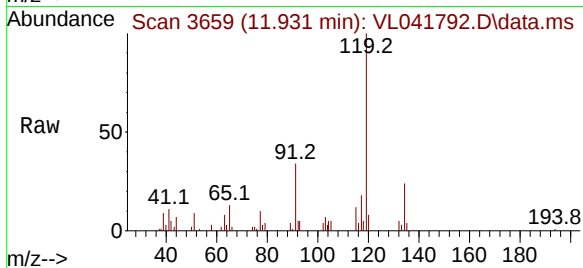
Acq: 18 Dec 2024 13:30

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:	119	Resp:	6695
Ion	Ratio	Lower	Upper
119	100		
134	25.7	19.6	29.4
91	35.6	24.4	36.6



#70

n-Butylbenzene

Concen: 0.194 ppbv

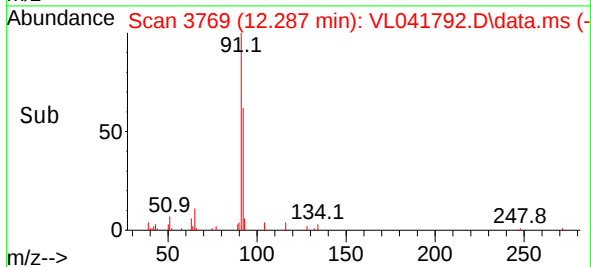
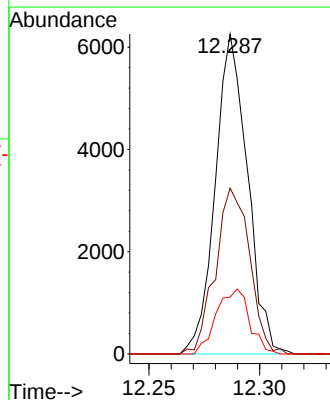
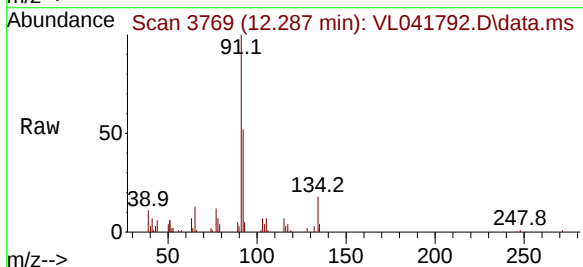
RT: 12.287 min Scan# 3769

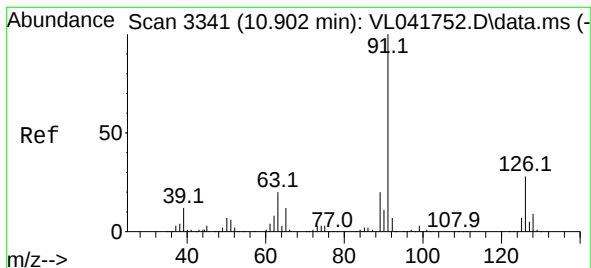
Delta R.T. 0.006 min

Lab File: VL041792.D

Acq: 18 Dec 2024 13:30

Tgt Ion:	91	Resp:	6317
Ion	Ratio	Lower	Upper
91	100		
92	55.3	43.2	64.8
134	20.9	18.2	27.4





#71

2-Chlorotoluene

Concen: 0.226 ppbv

RT: 10.908 min Scan# 3412

Delta R.T. 0.006 min

Lab File: VL041792.D

Acq: 18 Dec 2024 13:30

Instrument :

MSVOA_L

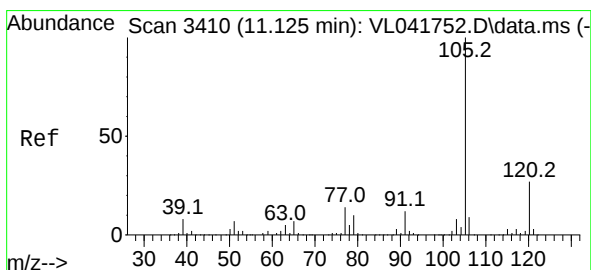
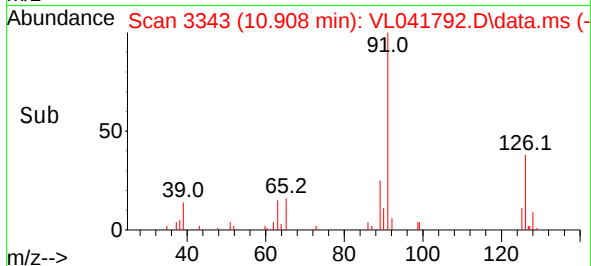
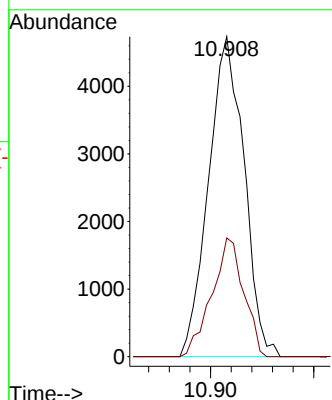
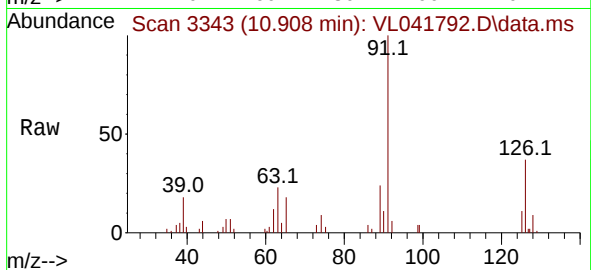
ClientSampleId :

Tgt Ion: 91 Resp: 5650

Ion Ratio Lower Upper

91 100

126 33.4 11.6 46.4



#72

4-Ethyltoluene

Concen: 0.193 ppbv

RT: 11.131 min Scan# 3412

Delta R.T. 0.006 min

Lab File: VL041792.D

Acq: 18 Dec 2024 13:30

Tgt Ion:105 Resp: 4955

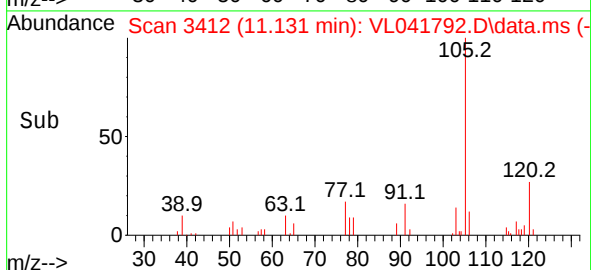
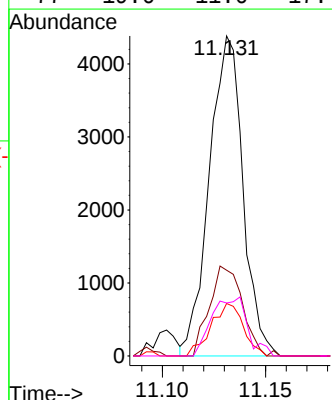
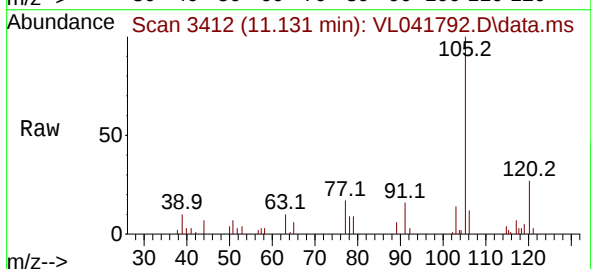
Ion Ratio Lower Upper

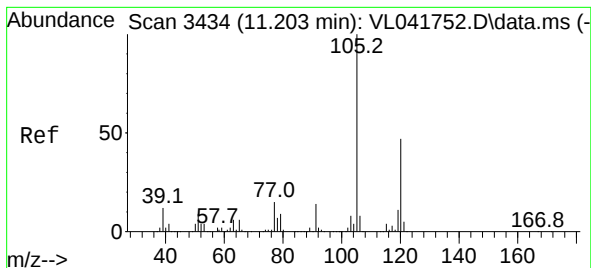
105 100

120 29.3 23.3 34.9

91 15.8 10.9 16.3

77 19.6 11.6 17.4#





#73

1,3,5-Trimethylbenzene

Concen: 0.207 ppbv

RT: 11.209 min Scan# 3434

Delta R.T. 0.006 min

Lab File: VL041792.D

Acq: 18 Dec 2024 13:30

Instrument :

MSVOA_L

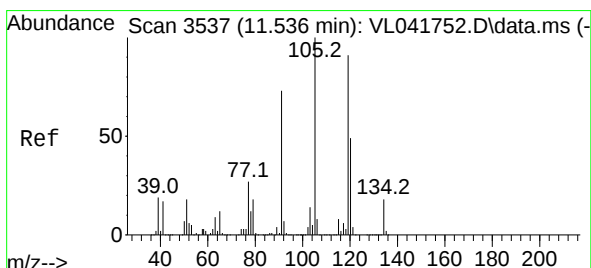
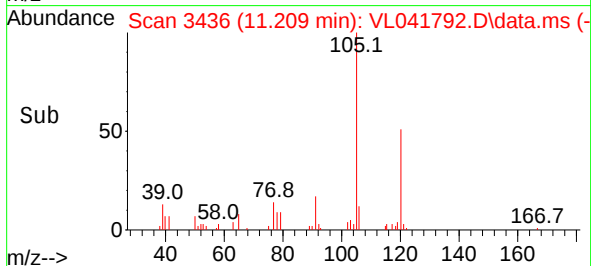
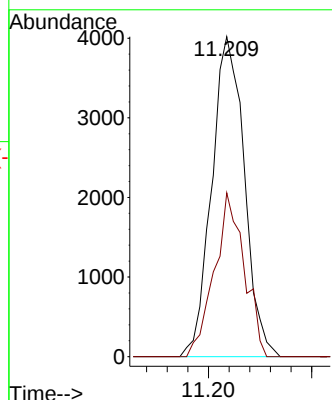
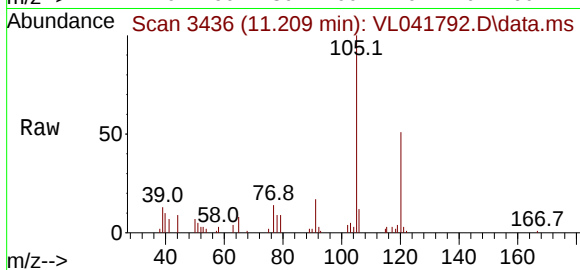
ClientSampleId :

Tgt Ion:105 Resp: 4408

Ion Ratio Lower Upper

105 100

120 51.2 37.4 56.2



#74

1,2,4-Trimethylbenzene

Concen: 0.202 ppbv

RT: 11.542 min Scan# 3539

Delta R.T. 0.006 min

Lab File: VL041792.D

Acq: 18 Dec 2024 13:30

Tgt Ion:105 Resp: 4624

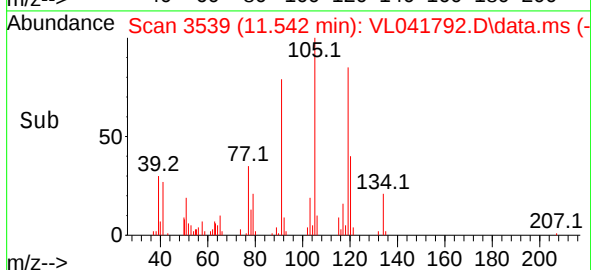
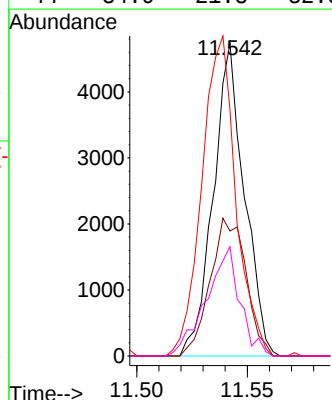
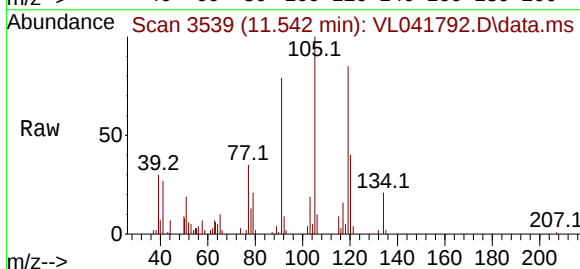
Ion Ratio Lower Upper

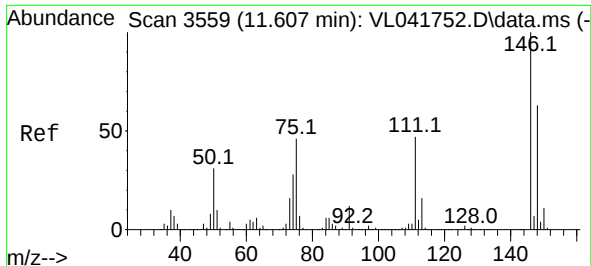
105 100

120 40.0 39.0 58.4

91 78.9 58.1 87.1

77 34.9 21.8 32.8#





#75

1,3-Dichlorobenzene

Concen: 0.336 ppbv

RT: 11.613 min Scan# 3561

Delta R.T. 0.006 min

Lab File: VL041792.D

Acq: 18 Dec 2024 13:30

Instrument :

MSVOA_L

ClientSampleId :

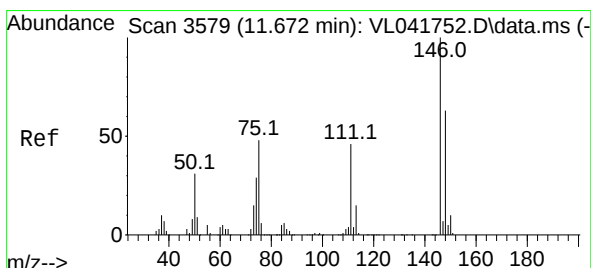
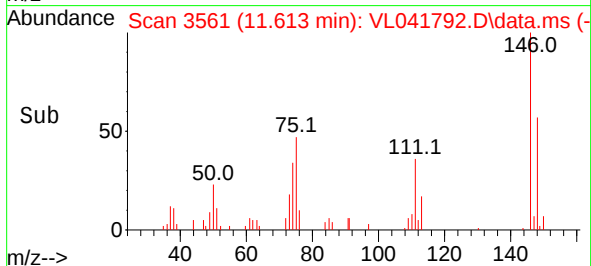
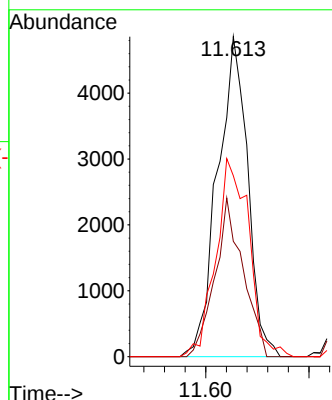
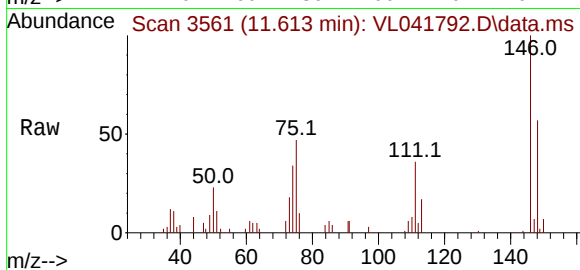
Tgt Ion:146 Resp: 4916

Ion Ratio Lower Upper

146 100

111 46.2 23.4 70.3

148 67.6 31.6 95.0



#76

1,4-Dichlorobenzene

Concen: 0.301 ppbv

RT: 11.678 min Scan# 3581

Delta R.T. 0.006 min

Lab File: VL041792.D

Acq: 18 Dec 2024 13:30

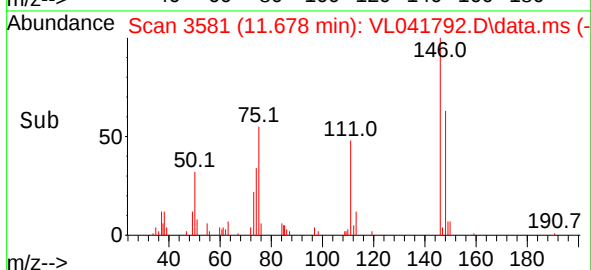
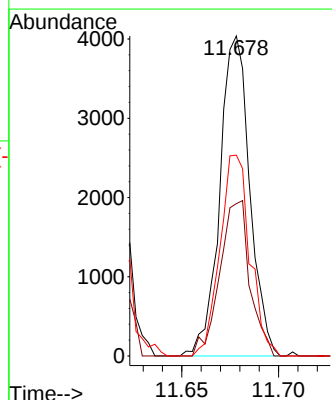
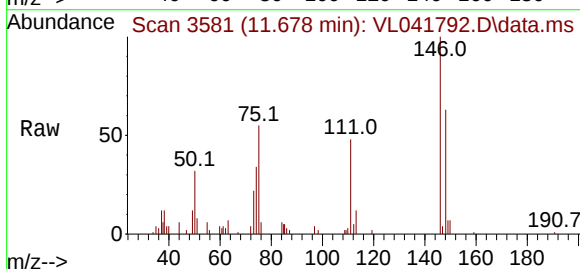
Tgt Ion:146 Resp: 4344

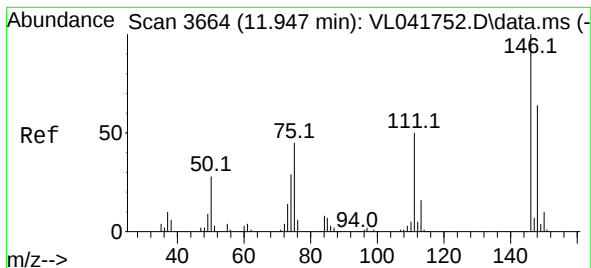
Ion Ratio Lower Upper

146 100

111 48.7 22.7 68.1

148 62.9 31.4 94.0





#77

1,2-Dichlorobenzene

Concen: 0.343 ppbv

RT: 11.953 min Scan# 3

Delta R.T. 0.006 min

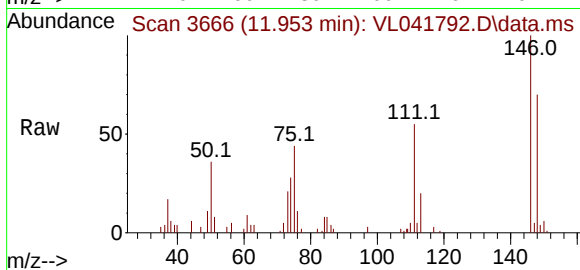
Lab File: VL041792.D

Acq: 18 Dec 2024 13:30

Instrument :

MSVOA_L

ClientSampleId :



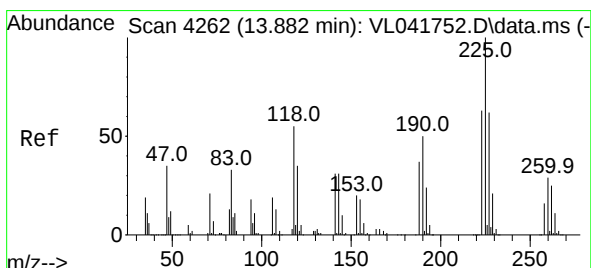
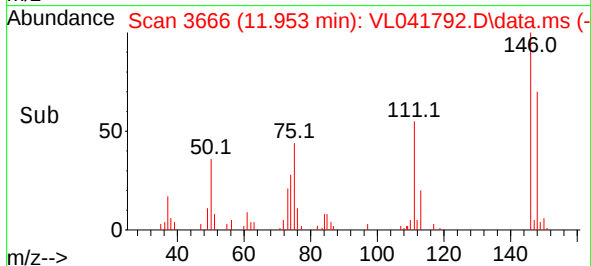
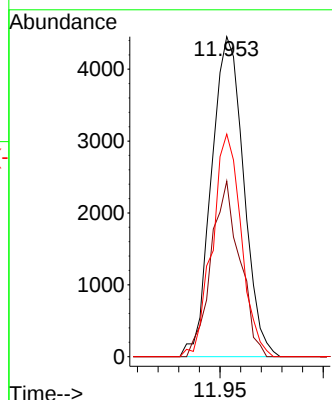
Tgt Ion:146 Resp: 4825

Ion Ratio Lower Upper

146 100

111 49.0 24.8 74.3

148 62.8 31.8 95.4



#78

Hexachloro-1,3-Butadiene

Concen: 0.350 ppbv

RT: 13.886 min Scan# 4263

Delta R.T. 0.003 min

Lab File: VL041792.D

Acq: 18 Dec 2024 13:30

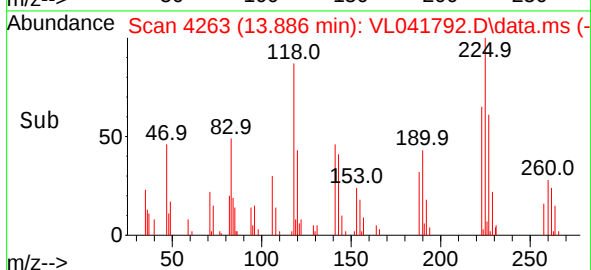
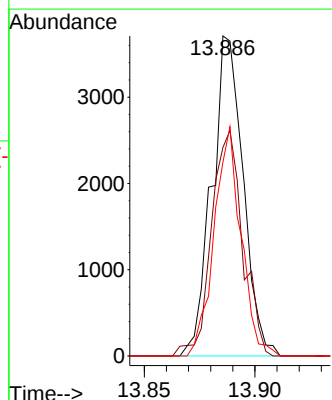
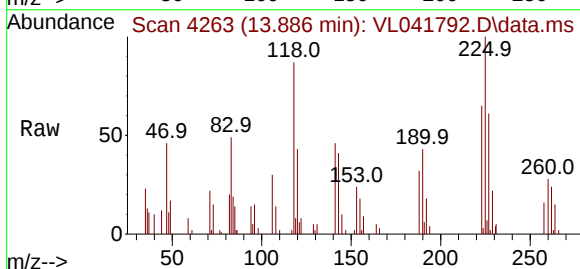
Tgt Ion:225 Resp: 3653

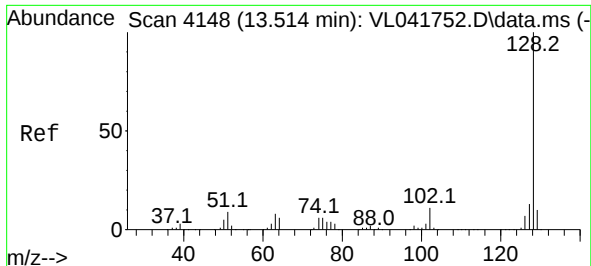
Ion Ratio Lower Upper

225 100

223 70.2 50.5 75.7

227 61.5 50.3 75.5





#79

Naphthalene

Concen: 0.129 ppbv

RT: 13.520 min Scan# 4148

Delta R.T. 0.006 min

Lab File: VL041792.D

Acq: 18 Dec 2024 13:30

Instrument :

MSVOA_L

ClientSampleId :

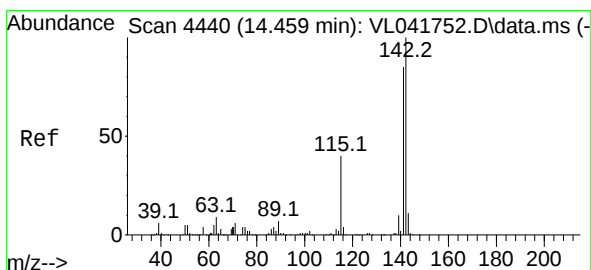
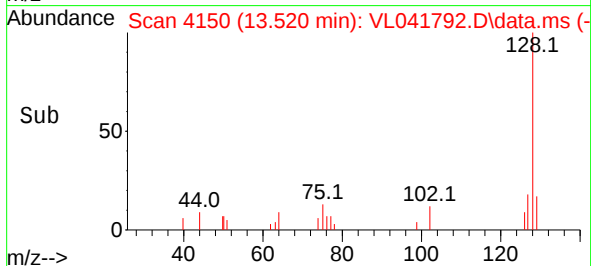
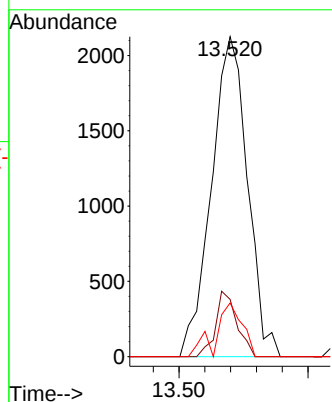
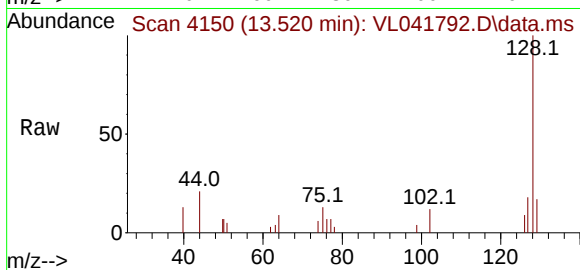
Tgt Ion:128 Resp: 2064

Ion Ratio Lower Upper

128 100

127 17.9 10.7 16.1#

129 16.8 8.2 12.4#



#80

Naphthalene,2-methyl-

Concen: 0.048 ppbv

RT: 14.465 min Scan# 4442

Delta R.T. 0.006 min

Lab File: VL041792.D

Acq: 18 Dec 2024 13:30

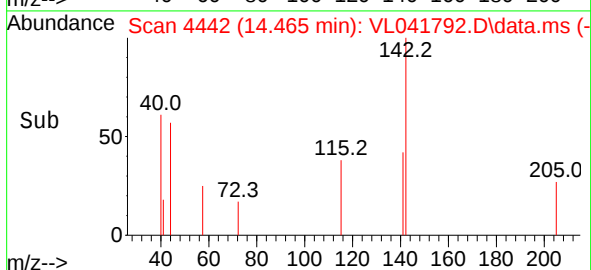
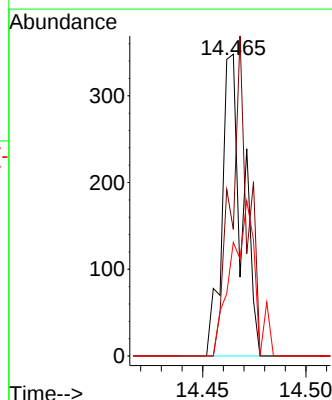
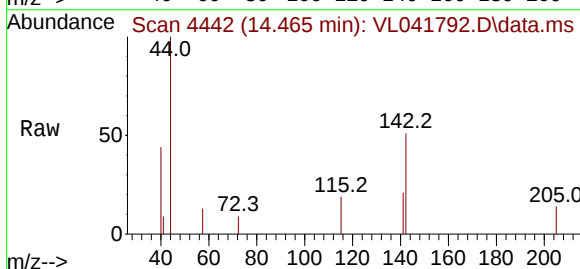
Tgt Ion:142 Resp: 239

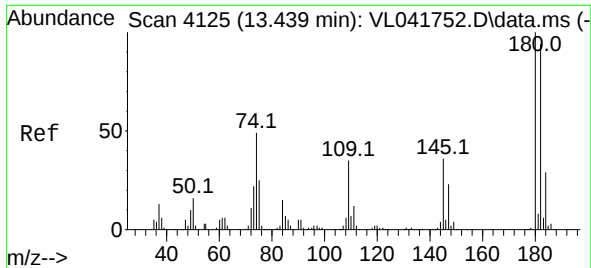
Ion Ratio Lower Upper

142 100

141 87.4 68.4 102.6

115 60.3 32.5 48.7#





#81

1,2,4-Trichlorobenzene

Concen: 0.169 ppbv

RT: 13.442 min Scan# 41

Delta R.T. 0.003 min

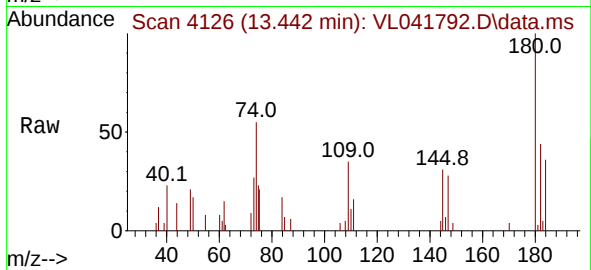
Lab File: VL041792.D

Acq: 18 Dec 2024 13:30

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion:180 Resp: 1477

Ion Ratio Lower Upper

180 100

182 94.8 77.0 115.6

184 38.1 23.8 35.8#

