

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121624\
 Data File : VL041752.D
 Acq On : 16 Dec 2024 13:30
 Operator : SY/MD
 Sample : VSTDICCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Dec 19 06:11:54 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 06:09:59 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.784	49	68599	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.956	114	183786	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.879	117	163333	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	138451	10.172	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.700%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.496	85	115385	9.453	ppbv	100
3) Chlorodifluoromethane	1.473	51	107429	9.603	ppbv	100
4) Chloromethane	1.531	50	43215	9.049	ppbv	100
5) Vinyl Chloride	1.580	62	42849	8.905	ppbv	100
6) Bromomethane	1.667	94	20252	8.919	ppbv	100
7) Chloroethane	1.703	64	17403	9.311	ppbv	100
8) Dichlorotetrafluoroethane	1.554	85	100191	9.171	ppbv	100
9) Propene	1.483	41	43440	8.959	ppbv	100
10) Heptane	4.979	43	116969	9.391	ppbv	100
11) Trichlorofluoromethane	1.875	101	122831	9.474	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.137	101	91977	9.327	ppbv	100
13) Ethanol	1.719	45	2484	6.161	ppbv	100
14) Bromoethene	1.781	108	32528	9.770	ppbv	100
15) Acetone	1.832	43	100229	7.509	ppbv	100
16) 1,3-Butadiene	1.606	39	46989	8.940	ppbv	100
17) tert-Butyl alcohol	2.036	59	125757	9.497	ppbv	100
18) 1,1-Dichloroethene	2.033	96	38775	9.379	ppbv	100
19) Isopropyl Alcohol	1.884	45	59026	7.370	ppbv	100
20) Methylene Chloride	2.059	84	32734	8.601	ppbv	100
21) Allyl Chloride	2.095	41	69406	9.588	ppbv	100
22) trans-1,2-Dichloroethene	2.337	96	43898	9.276	ppbv	100
23) Vinyl Acetate	2.457	43	54227	9.350	ppbv	100
24) 1,1-Dichloroethane	2.405	63	89912	9.386	ppbv	100
25) Ethyl Acetate	2.833	43	235305	9.432	ppbv	100
26) Hexane	2.823	57	89385	9.486	ppbv	100
27) Carbon Disulfide	2.150	76	92329	10.873	ppbv	100
28) Methyl tert-Butyl Ether	2.438	73	75330	9.854	ppbv	100
29) Chloroform	2.846	83	135099	9.408	ppbv	100
30) Cyclohexane	3.855	84	75156	9.374	ppbv	100
31) cis-1,2-Dichloroethene	2.719	61	91276	9.374	ppbv	100
32) 1,1,1-Trichloroethane	3.363	97	139102	9.733	ppbv	100
34) 2-Butanone	2.554	43	135331	9.153	ppbv	100
35) Carbon Tetrachloride	3.758	117	138952	10.650	ppbv	100
36) Benzene	3.655	78	179134	9.423	ppbv	100
37) 1,2-Dichloroethane	3.215	62	111770	9.449	ppbv	100
38) Trichloroethene	4.545	130	71297	8.907	ppbv	100
39) 1,2-Dichloropropane	4.309	63	64789	9.423	ppbv	100
40) 1,4-Dioxane	4.580	88	30658	9.128	ppbv #	100
41) Tetrahydrofuran	3.049	42	78480	9.474	ppbv	100
42) Bromodichloromethane	4.483	83	142819	10.494	ppbv	100
43) Methyl Methacrylate	4.878	69	72578	10.020	ppbv	100
44) 2,2,4-Trimethylpentane	4.639	57	307748	9.479	ppbv	100
45) t-1,3-Dichloropropene	6.412	75	77752	10.378	ppbv	100

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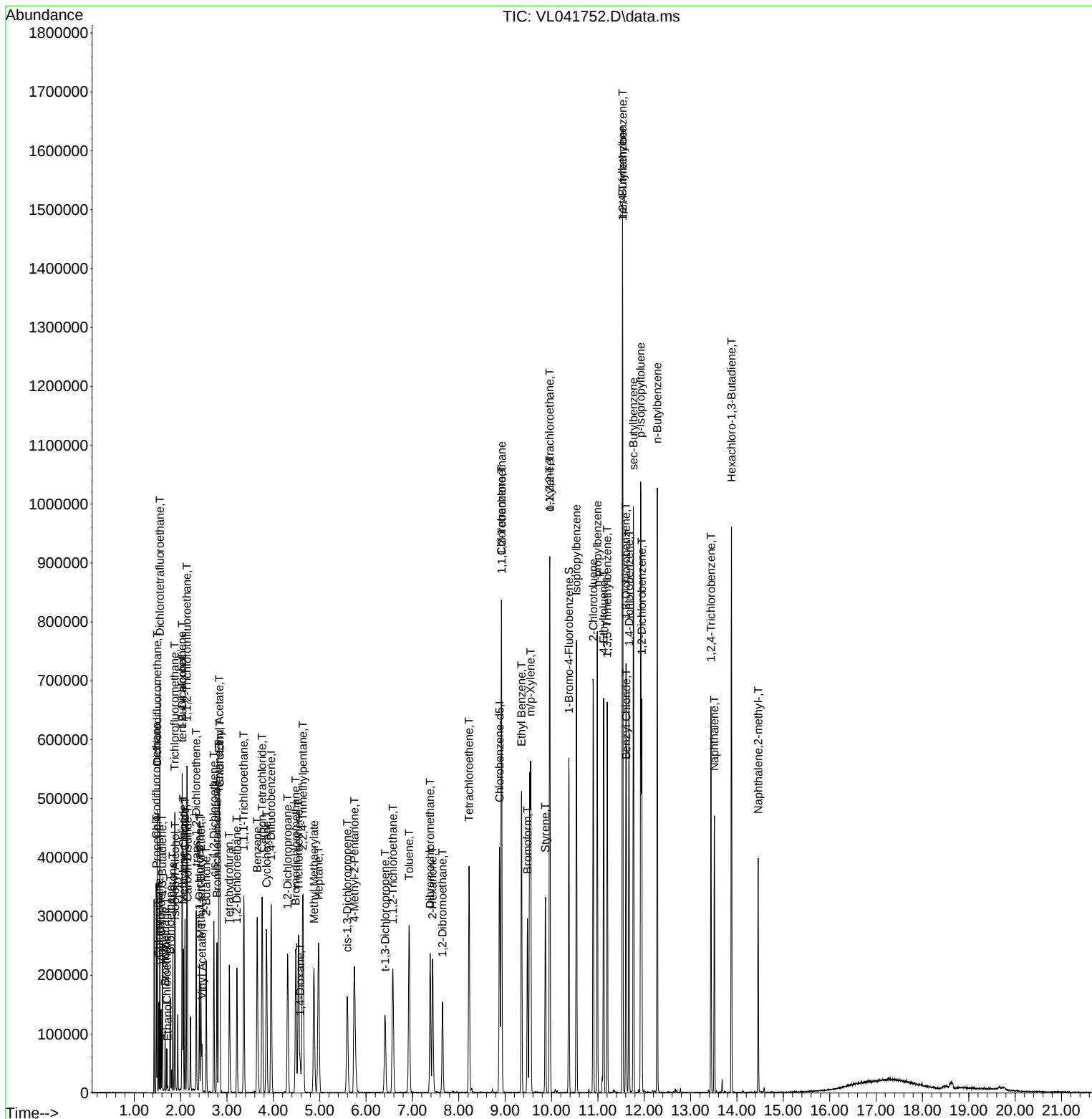
Instrument :
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 ClientSampleId :

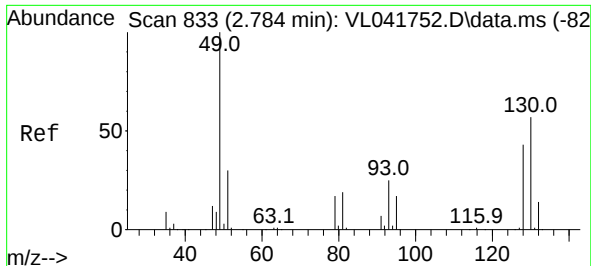
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 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Dec 19 06:09:59 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.593	75	97992	10.303	ppbv	100
47) 1,1,2-Trichloroethane	6.577	97	67550	9.406	ppbv	100
48) Dibromochloromethane	7.383	129	108899	11.105	ppbv	100
49) Bromoform	9.481	173	91587	11.410	ppbv	100
50) 4-Methyl-2-Pentanone	5.749	43	194838	9.678	ppbv	100
51) 2-Hexanone	7.432	43	157473	9.650	ppbv	100
52) Tetrachloroethene	8.222	164	62989	8.901	ppbv	100
53) Toluene	6.930	91	206354	9.574	ppbv	100
54) 1,2-Dibromoethane	7.649	107	94016	9.501	ppbv	100
56) 1,1,1,2-Tetrachloroethane	8.924	131	86831	10.027	ppbv	100
57) Chlorobenzene	8.921	112	155349	9.295	ppbv	100
58) Ethyl Benzene	9.354	91	289734	9.853	ppbv	100
59) m/p-Xylene	9.549	91	229713	9.713	ppbv #	100
60) o-Xylene	9.963	91	232101	9.789	ppbv	100
61) Styrene	9.869	104	110041	10.733	ppbv	100
62) Isopropylbenzene	10.539	105	348684	9.788	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.963	83	137363	9.255	ppbv	100
64) n-propylbenzene	10.989	120	87360	9.700	ppbv	100
65) tert-Butylbenzene	11.529	119	309036	9.615	ppbv	100
66) Benzyl Chloride	11.614	91	31039	10.954	ppbv	100
67) sec-Butylbenzene	11.769	105	430810	9.687	ppbv	100
69) p-Isopropyltoluene	11.924	119	363072	9.906	ppbv	100
70) n-Butylbenzene	12.280	91	358993	10.137	ppbv	100
71) 2-Chlorotoluene	10.902	91	264002	9.708	ppbv	100
72) 4-Ethyltoluene	11.125	105	282698	10.120	ppbv	100
73) 1,3,5-Trimethylbenzene	11.203	105	239261	10.304	ppbv	100
74) 1,2,4-Trimethylbenzene	11.536	105	255780	10.244	ppbv	100
75) 1,3-Dichlorobenzene	11.607	146	151752	9.532	ppbv	100
76) 1,4-Dichlorobenzene	11.672	146	152099	9.671	ppbv	100
77) 1,2-Dichlorobenzene	11.947	146	141338	9.227	ppbv	100
78) Hexachloro-1,3-Butadiene	13.882	225	95751	8.431	ppbv	100
79) Naphthalene	13.514	128	205511	11.812	ppbv	100
80) Naphthalene,2-methyl-	14.459	142	106311	19.755	ppbv	100
81) 1,2,4-Trichlorobenzene	13.439	180	101461	10.672	ppbv	100

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

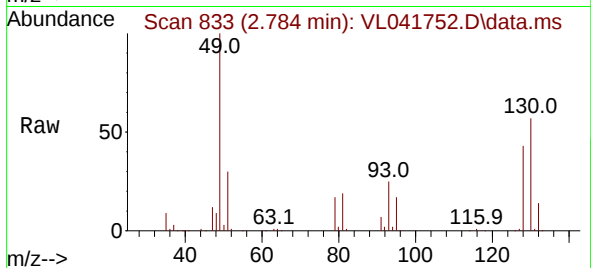
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSV0A_L Fri Aug 26 06:05:16 2022
QLast Update : Thu Dec 19 06:09:59 2024
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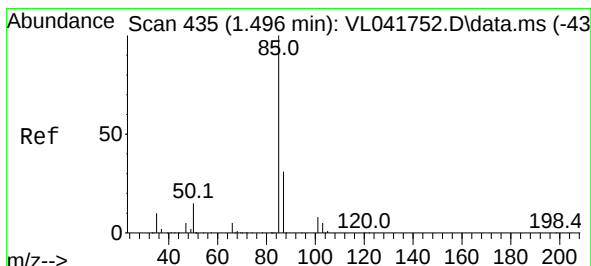
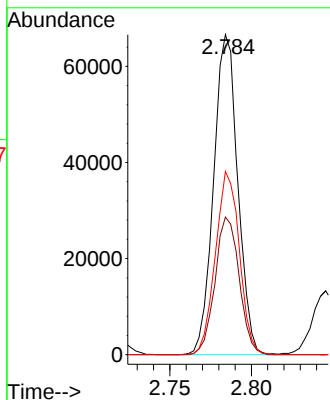
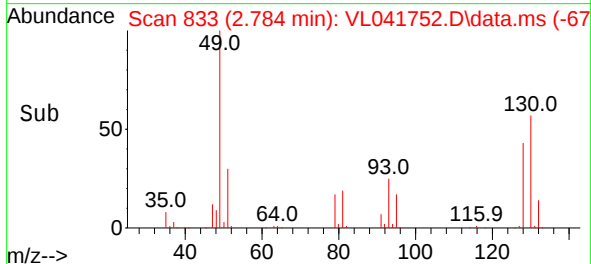


#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 833
Delta R.T. 0.000 min
Lab File: VL041752.D
Acq: 16 Dec 2024 13:30

Instrument :
MSVOA_L
ClientSampleId :

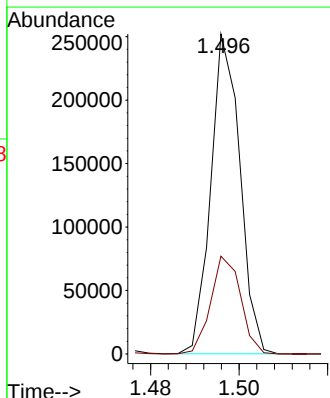
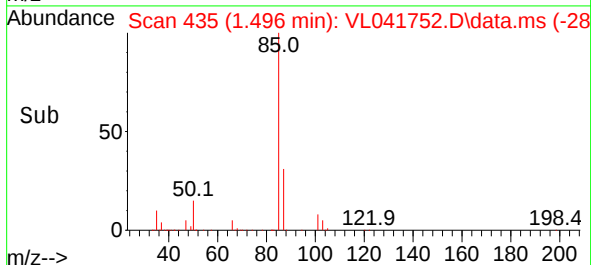
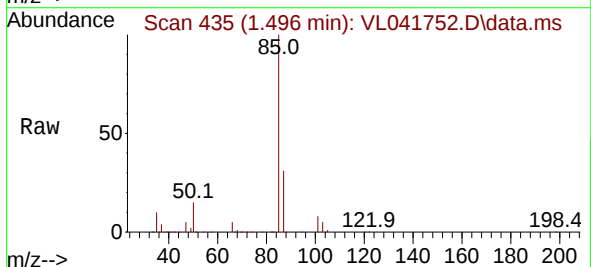


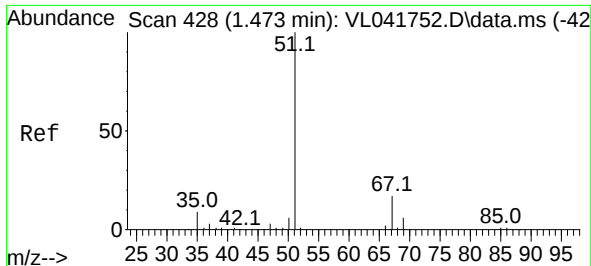
Tgt Ion: 49 Resp: 68599
Ion Ratio Lower Upper
49 100
128 43.1 21.6 64.6
130 56.7 28.3 85.0



#2
Dichlorodifluoromethane
Concen: 9.453 ppbv
RT: 1.496 min Scan# 435
Delta R.T. 0.000 min
Lab File: VL041752.D
Acq: 16 Dec 2024 13:30

Tgt Ion: 85 Resp: 115385
Ion Ratio Lower Upper
85 100
87 30.6 24.5 36.7

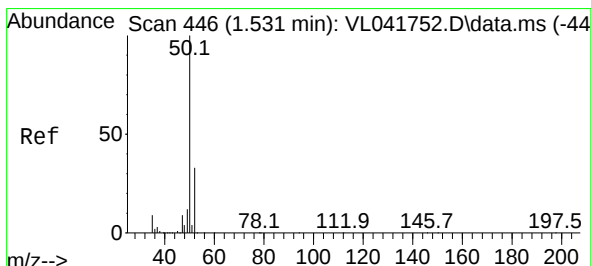
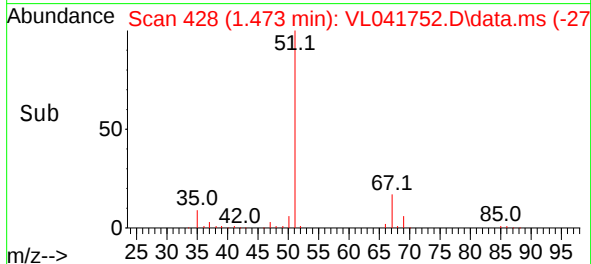
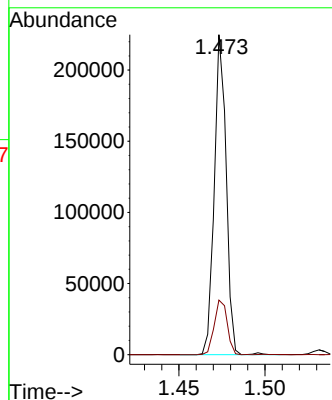
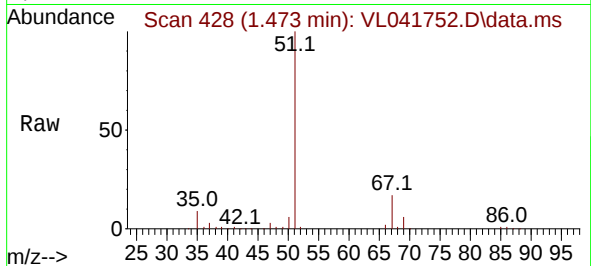




#3
Chlorodifluoromethane
Concen: 9.603 ppbv
RT: 1.473 min Scan# 41
Delta R.T. 0.000 min
Lab File: VL041752.D
Acq: 16 Dec 2024 13:30

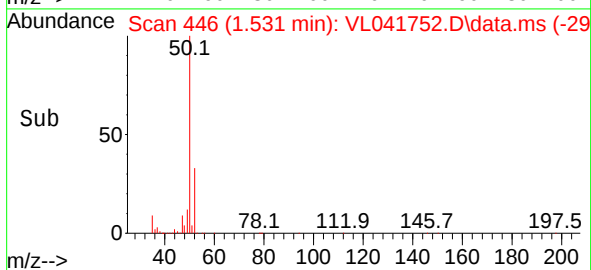
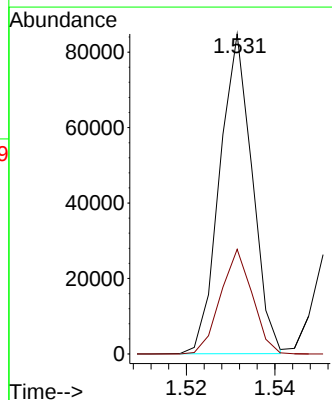
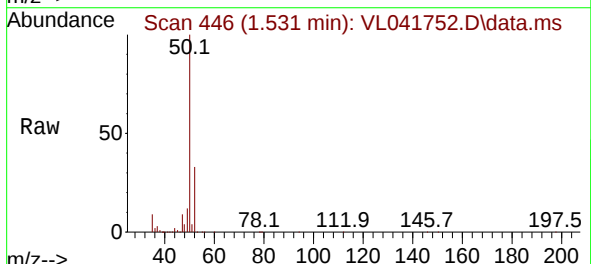
Instrument :
MSVOA_1
ClientSampleId :

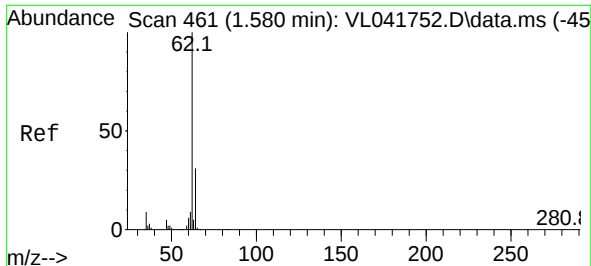
Tgt Ion: 51 Resp: 107429
Ion Ratio Lower Upper
51 100
67 18.7 15.0 22.4



#4
Chloromethane
Concen: 9.049 ppbv
RT: 1.531 min Scan# 446
Delta R.T. 0.000 min
Lab File: VL041752.D
Acq: 16 Dec 2024 13:30

Tgt Ion: 50 Resp: 43215
Ion Ratio Lower Upper
50 100
52 32.7 26.2 39.2

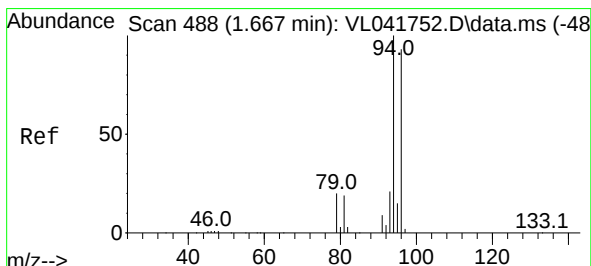
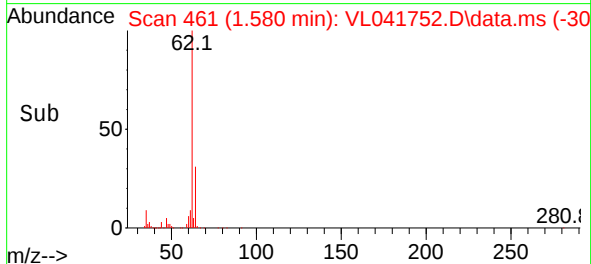
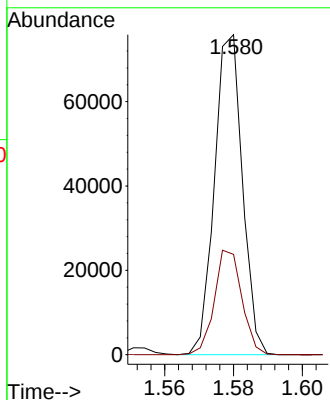
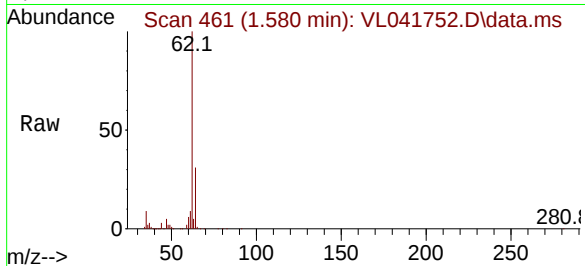




#5
 Vinyl Chloride
 Concen: 8.905 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. 0.000 min
 Lab File: VL041752.D
 Acq: 16 Dec 2024 13:30

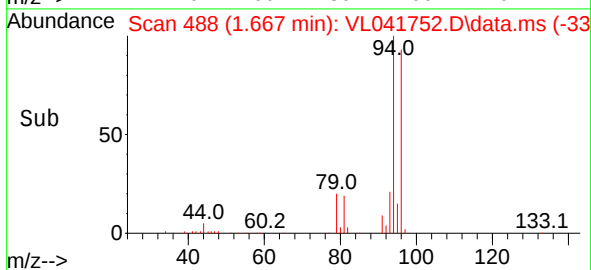
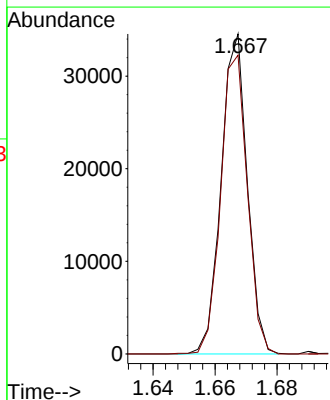
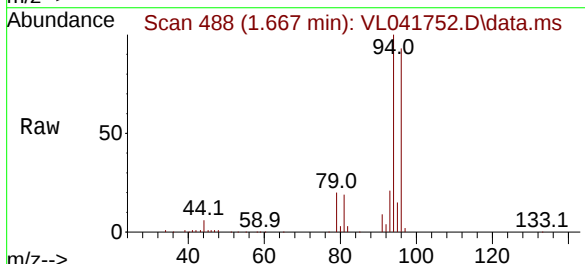
Instrument :
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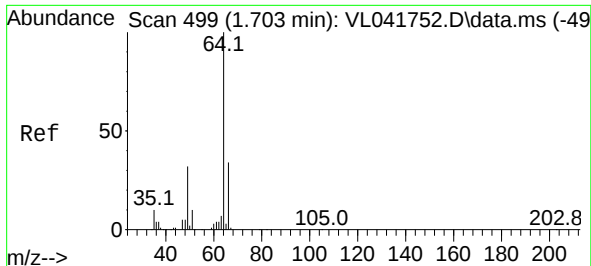
Tgt Ion: 62 Resp: 42849
 Ion Ratio Lower Upper
 62 100
 64 31.4 25.1 37.7



#6
 Bromomethane
 Concen: 8.919 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. 0.000 min
 Lab File: VL041752.D
 Acq: 16 Dec 2024 13:30

Tgt Ion: 94 Resp: 20252
 Ion Ratio Lower Upper
 94 100
 96 93.4 74.7 112.1

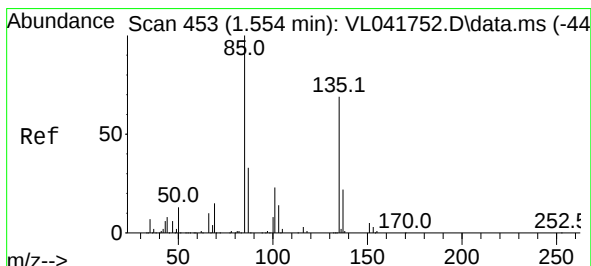
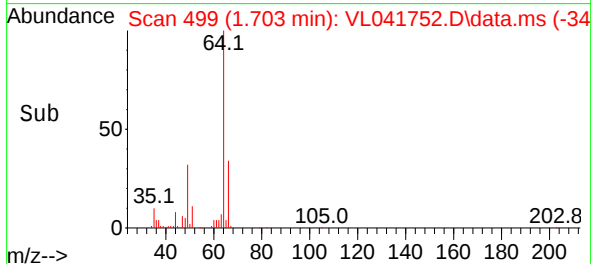
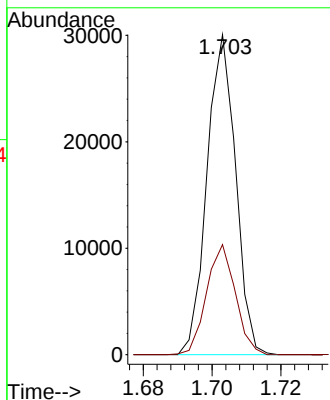
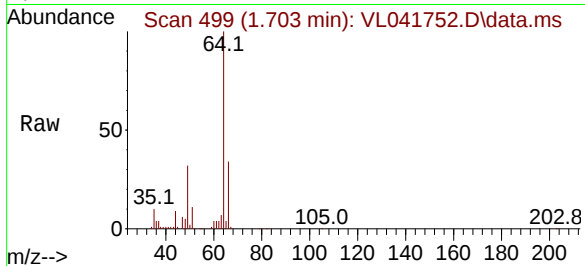




#7
Chloroethane
Concen: 9.311 ppbv
RT: 1.703 min Scan# 499
Delta R.T. 0.000 min
Lab File: VL041752.D
Acq: 16 Dec 2024 13:30

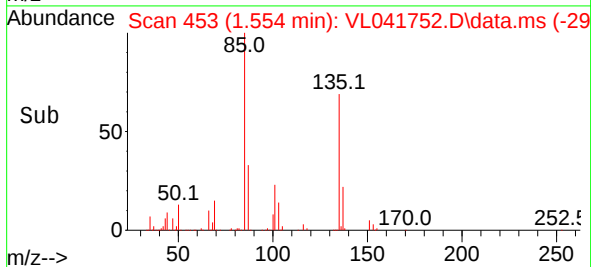
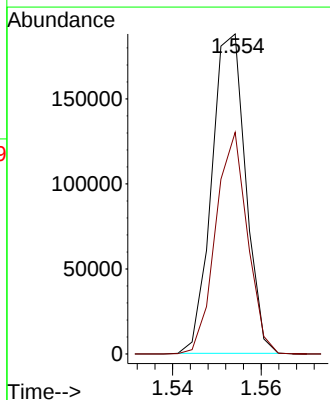
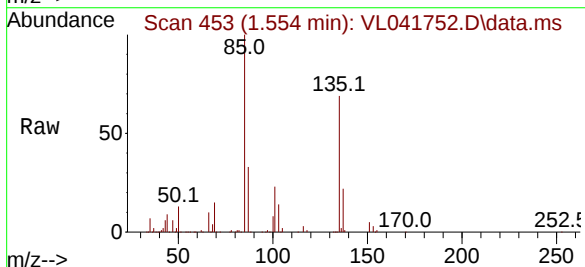
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ClientSampleId :

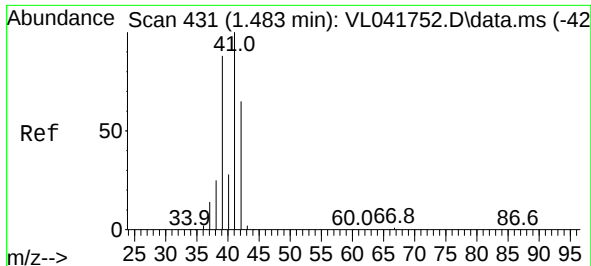
Tgt Ion: 64 Resp: 17403
Ion Ratio Lower Upper
64 100
66 34.4 27.5 41.3



#8
Dichlorotetrafluoroethane
Concen: 9.171 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.000 min
Lab File: VL041752.D
Acq: 16 Dec 2024 13:30

Tgt Ion: 85 Resp: 100191
Ion Ratio Lower Upper
85 100
135 64.9 51.9 77.9





#9

Propene

Concen: 8.959 ppbv

RT: 1.483 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL041752.D

Acq: 16 Dec 2024 13:30

Instrument :

MSVOA_L

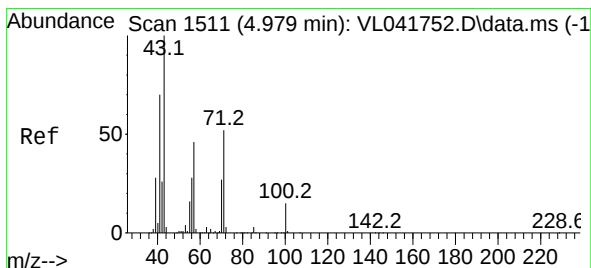
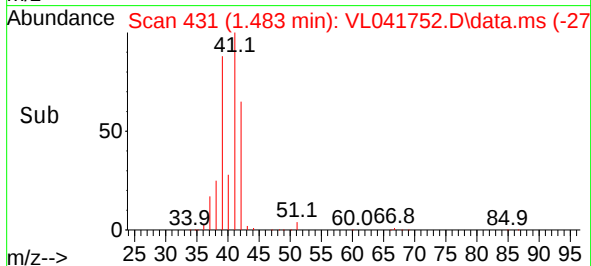
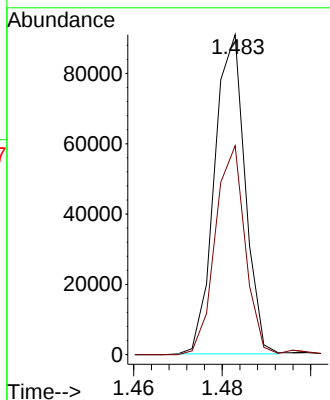
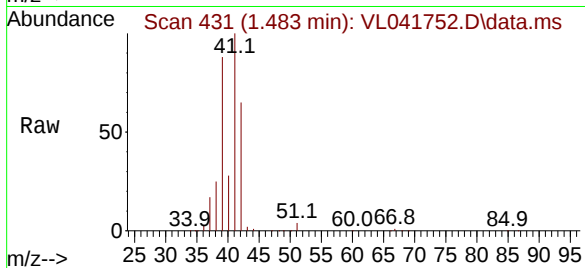
ClientSampleId :

Tgt Ion: 41 Resp: 43440

Ion Ratio Lower Upper

41 100

42 65.5 52.4 78.6



#10

Heptane

Concen: 9.391 ppbv

RT: 4.979 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VL041752.D

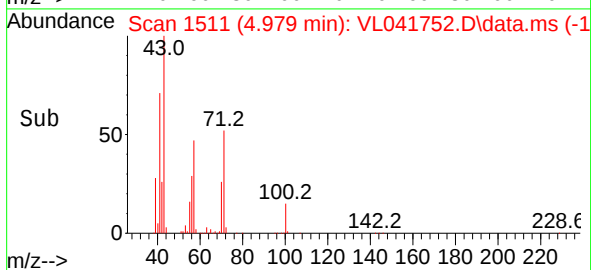
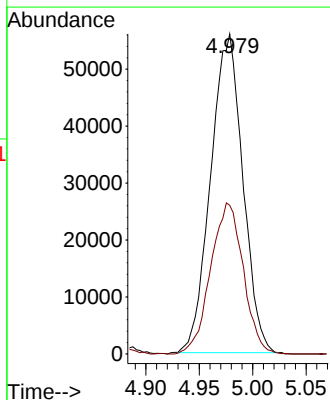
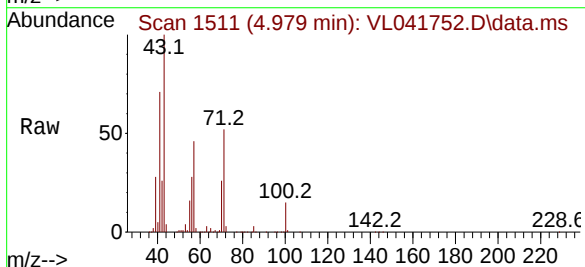
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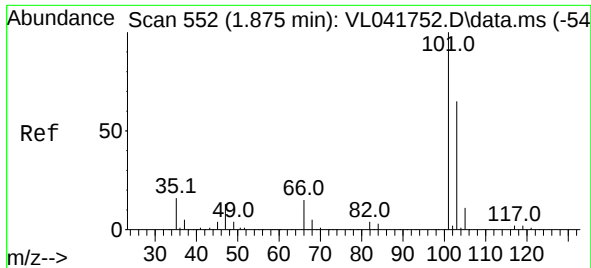
Tgt Ion: 43 Resp: 116969

Ion Ratio Lower Upper

43 100

57 48.1 38.5 57.7

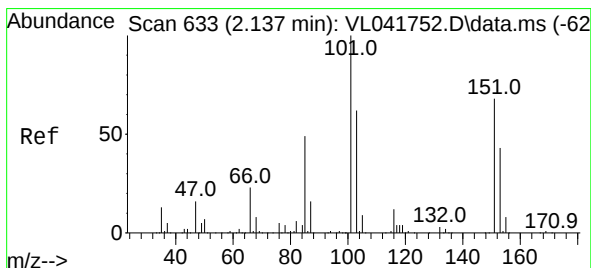
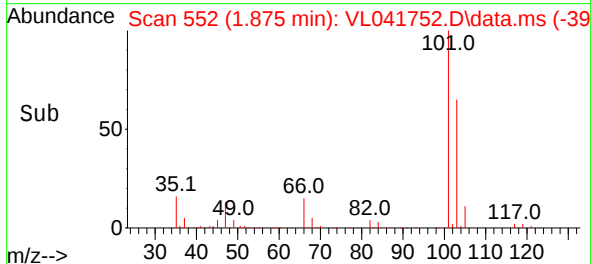
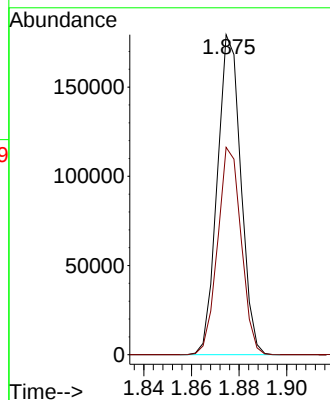
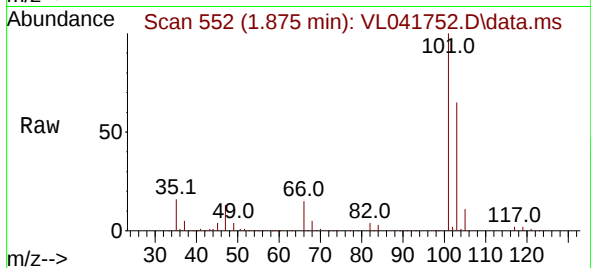




#11
Trichlorofluoromethane
Concen: 9.474 ppbv
RT: 1.875 min Scan# 552
Delta R.T. 0.000 min
Lab File: VL041752.D
Acq: 16 Dec 2024 13:30

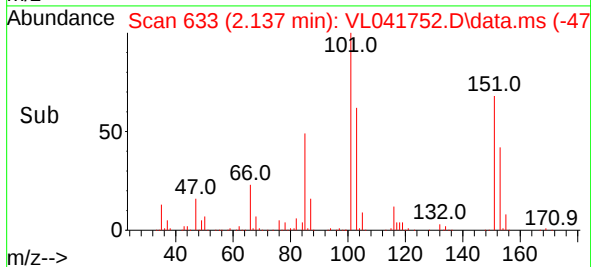
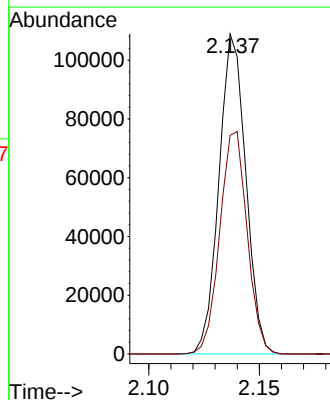
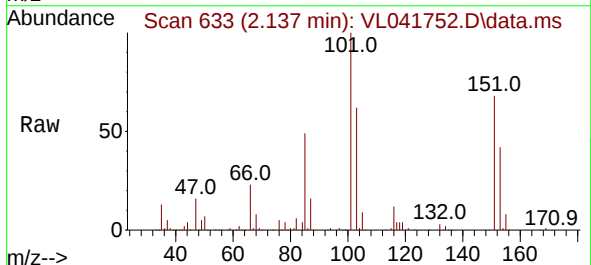
Instrument :
MSVOA_L
ClientSampleId :

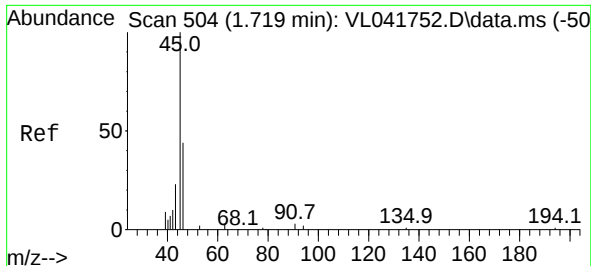
Tgt Ion:101 Resp: 122831
Ion Ratio Lower Upper
101 100
103 64.8 51.8 77.8



#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.327 ppbv
RT: 2.137 min Scan# 633
Delta R.T. 0.000 min
Lab File: VL041752.D
Acq: 16 Dec 2024 13:30

Tgt Ion:101 Resp: 91977
Ion Ratio Lower Upper
101 100
151 71.0 56.8 85.2





#13

Ethanol

Concen: 6.161 ppbv

RT: 1.719 min Scan# 504

Delta R.T. 0.000 min

Lab File: VL041752.D

Acq: 16 Dec 2024 13:30

Instrument :

MSVOA_L

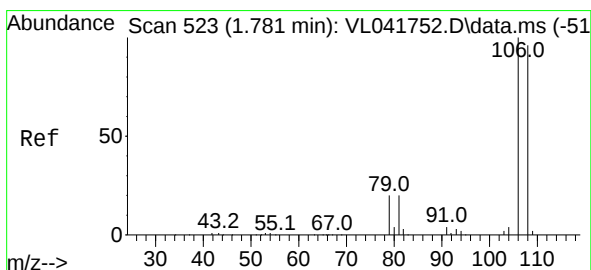
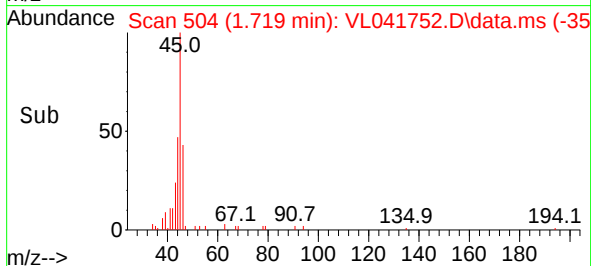
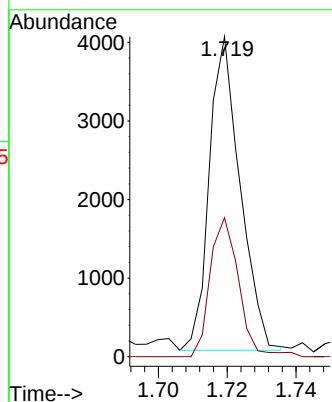
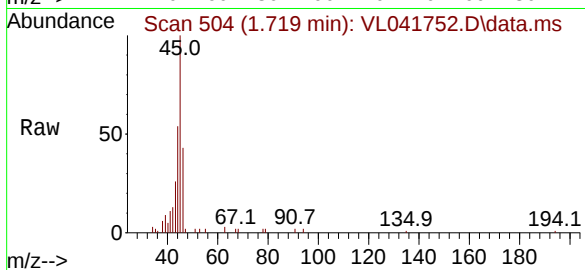
ClientSampleId :

Tgt Ion: 45 Resp: 2484

Ion Ratio Lower Upper

45 100

46 41.1 16.4 65.8



#14

Bromoethene

Concen: 9.770 ppbv

RT: 1.781 min Scan# 523

Delta R.T. 0.000 min

Lab File: VL041752.D

Acq: 16 Dec 2024 13:30

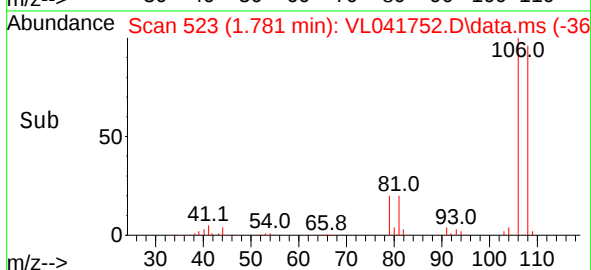
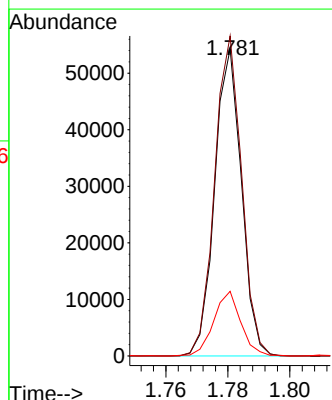
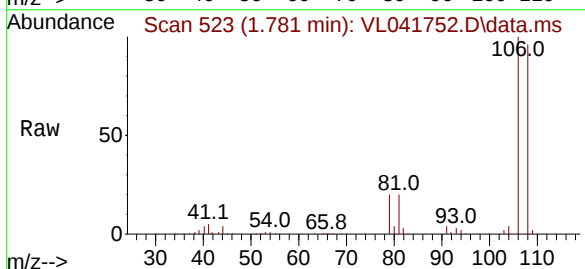
Tgt Ion: 108 Resp: 32528

Ion Ratio Lower Upper

108 100

106 105.1 84.1 126.1

79 21.7 17.4 26.0





#15

Acetone

Concen: 7.509 ppbv

RT: 1.832 min Scan# 51

Delta R.T. 0.000 min

Lab File: VL041752.D

Acq: 16 Dec 2024 13:30

Instrument :

MSVOA_L

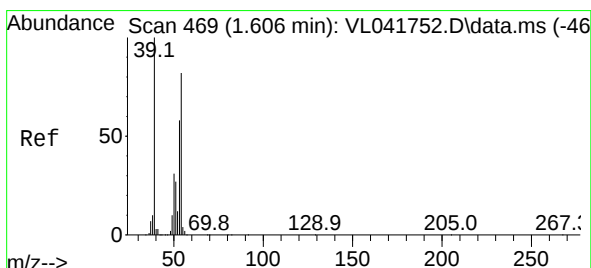
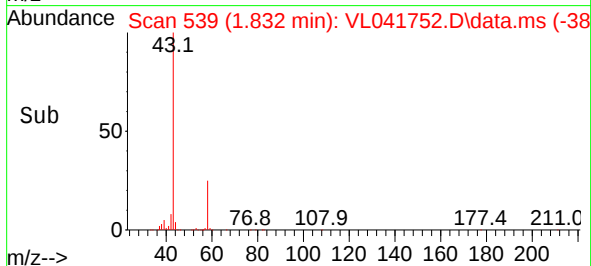
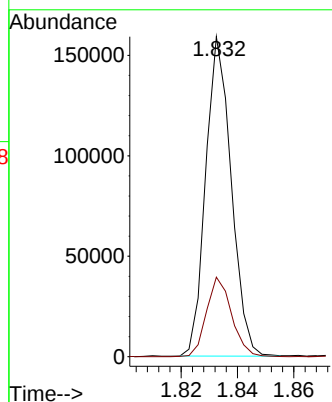
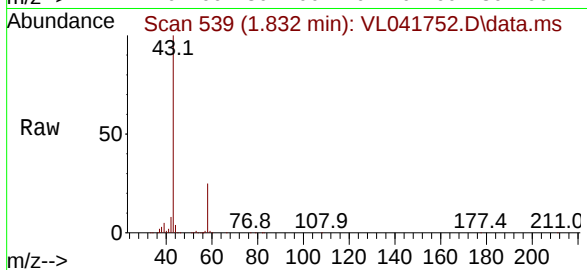
ClientSampleId :

Tgt Ion: 43 Resp: 100229

Ion Ratio Lower Upper

43 100

58 24.6 19.7 29.5



#16

1,3-Butadiene

Concen: 8.940 ppbv

RT: 1.606 min Scan# 469

Delta R.T. 0.000 min

Lab File: VL041752.D

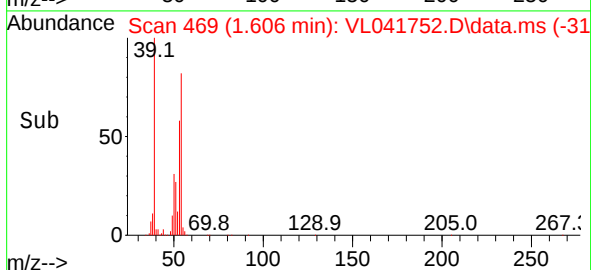
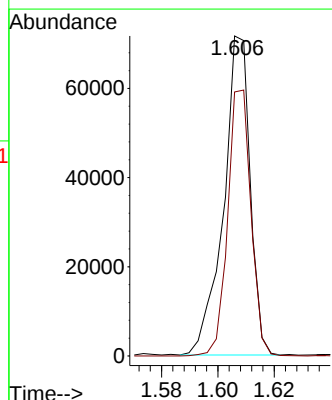
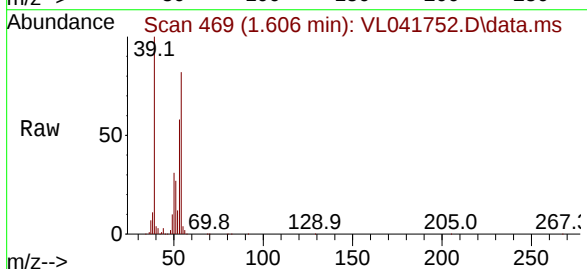
Acq: 16 Dec 2024 13:30

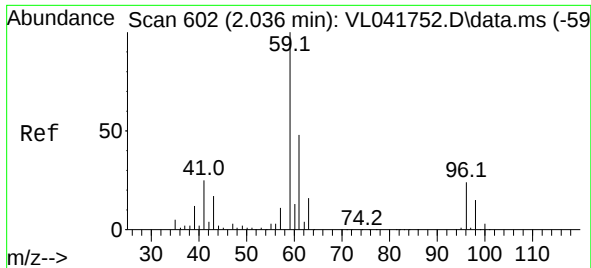
Tgt Ion: 39 Resp: 46989

Ion Ratio Lower Upper

39 100

54 73.0 58.4 87.6

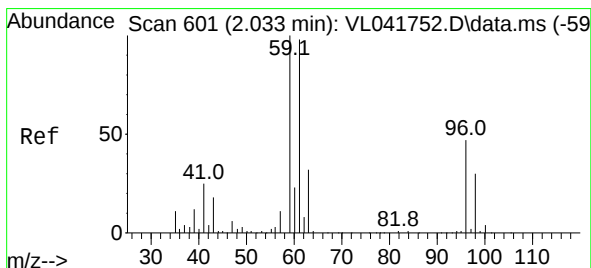
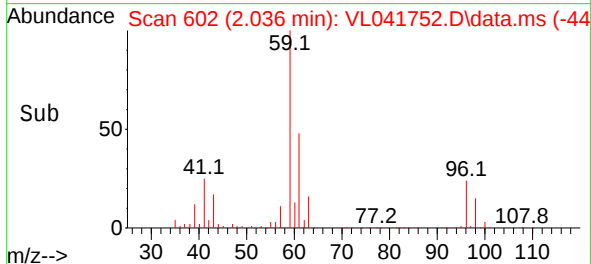
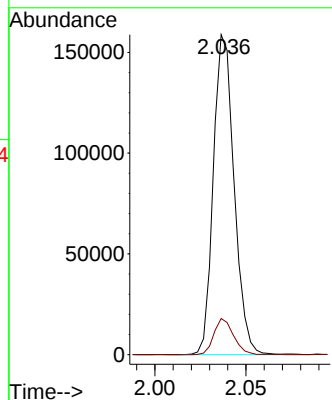
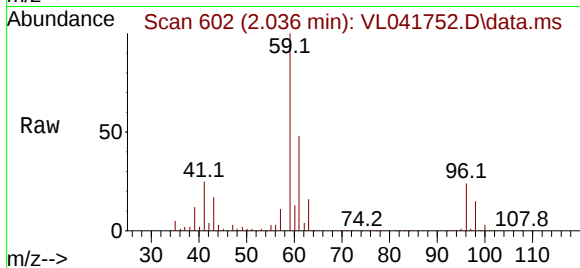




#17
tert-Butyl alcohol
Concen: 9.497 ppbv
RT: 2.036 min Scan# 602
Delta R.T. 0.000 min
Lab File: VL041752.D
Acq: 16 Dec 2024 13:30

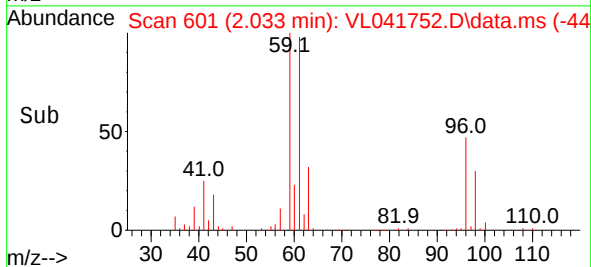
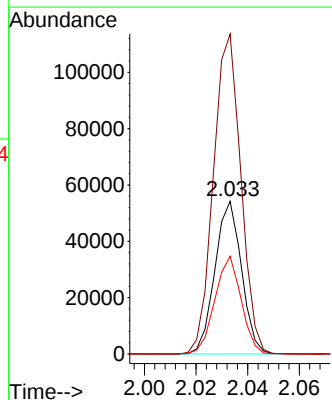
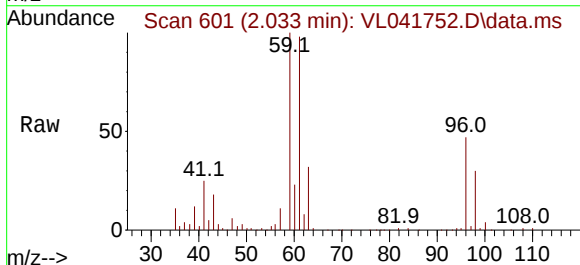
Instrument :
MSVOA_L
ClientSampleId :

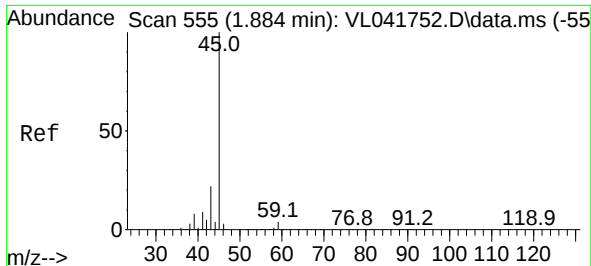
Tgt Ion: 59 Resp: 125757
Ion Ratio Lower Upper
59 100
57 10.8 8.6 13.0



#18
1,1-Dichloroethene
Concen: 9.379 ppbv
RT: 2.033 min Scan# 601
Delta R.T. 0.000 min
Lab File: VL041752.D
Acq: 16 Dec 2024 13:30

Tgt Ion: 96 Resp: 38775
Ion Ratio Lower Upper
96 100
61 209.6 167.7 251.5
98 63.9 51.1 76.7





#19

Isopropyl Alcohol

Concen: 7.370 ppbv

RT: 1.884 min Scan# 555

Delta R.T. 0.000 min

Lab File: VL041752.D

Acq: 16 Dec 2024 13:30

Instrument :

MSVOA_L

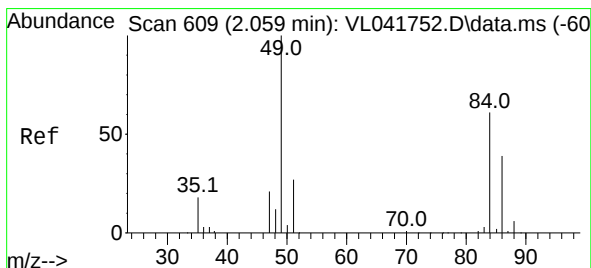
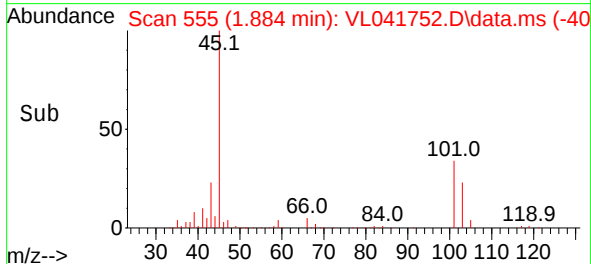
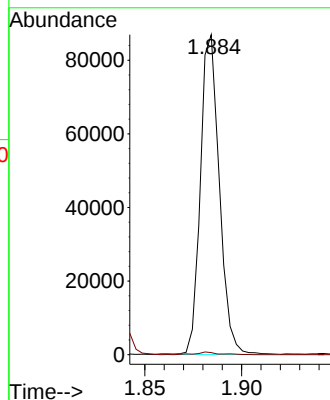
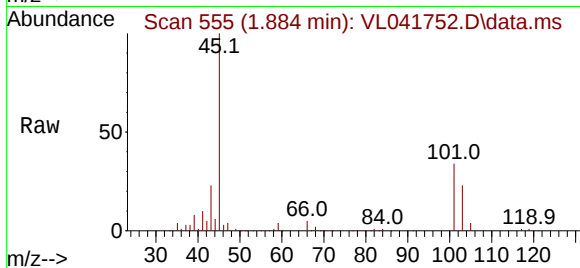
ClientSampleId :

Tgt Ion: 45 Resp: 59026

Ion Ratio Lower Upper

45 100

58 41.6 33.3 49.9



#20

Methylene Chloride

Concen: 8.601 ppbv

RT: 2.059 min Scan# 609

Delta R.T. 0.000 min

Lab File: VL041752.D

Acq: 16 Dec 2024 13:30

Tgt Ion: 84 Resp: 32734

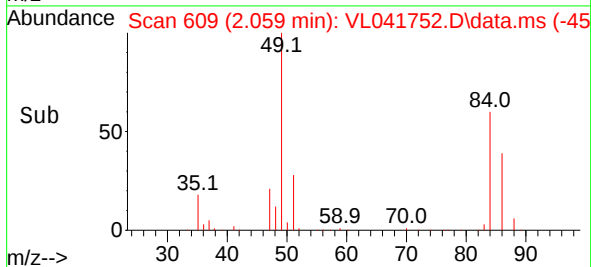
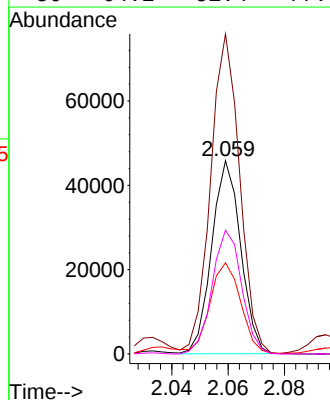
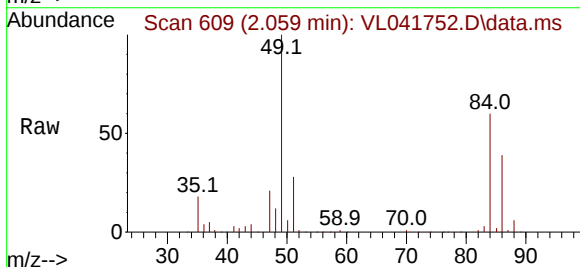
Ion Ratio Lower Upper

84 100

49 165.7 132.6 198.8

51 47.0 37.6 56.4

86 64.2 51.4 77.0





#21

Allyl Chloride

Concen: 9.588 ppbv

RT: 2.095 min Scan# 61

Delta R.T. 0.000 min

Lab File: VL041752.D

Acq: 16 Dec 2024 13:30

Instrument :

MSVOA_L

ClientSampleId :

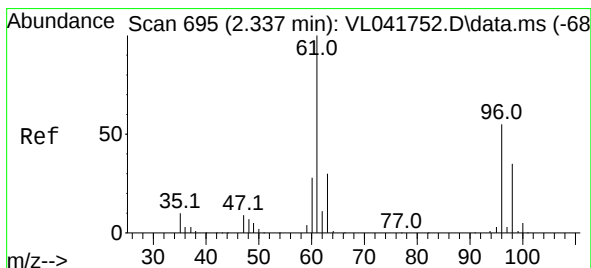
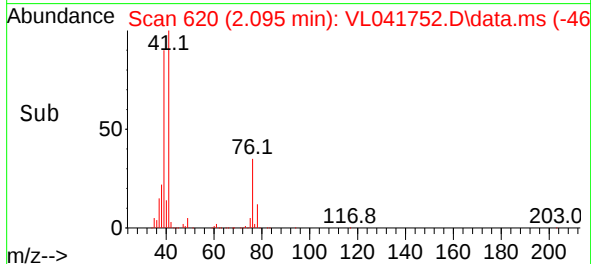
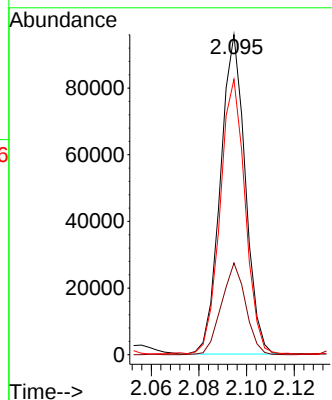
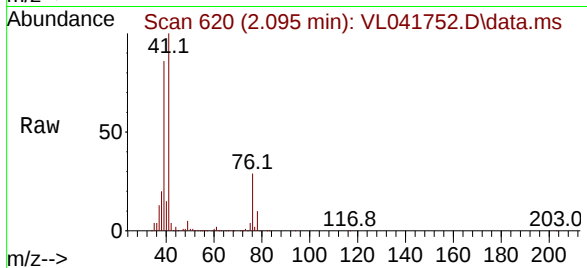
Tgt Ion: 41 Resp: 69406

Ion Ratio Lower Upper

41 100

76 27.9 22.3 33.5

39 86.5 69.2 103.8



#22

trans-1,2-Dichloroethene

Concen: 9.276 ppbv

RT: 2.337 min Scan# 695

Delta R.T. 0.000 min

Lab File: VL041752.D

Acq: 16 Dec 2024 13:30

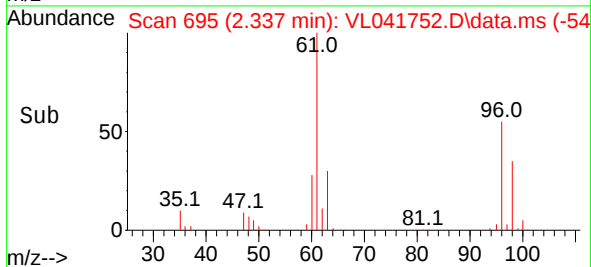
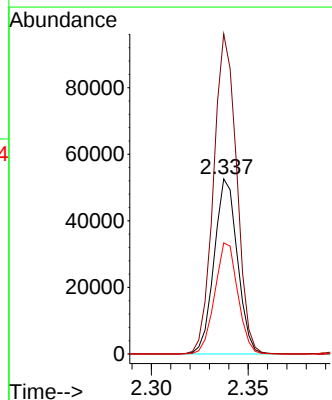
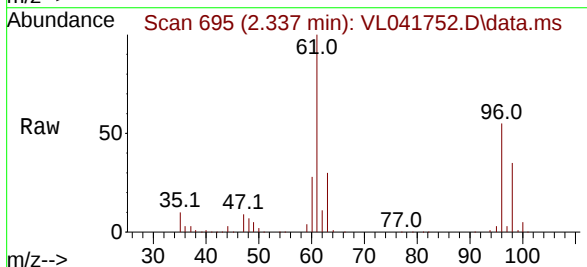
Tgt Ion: 96 Resp: 43898

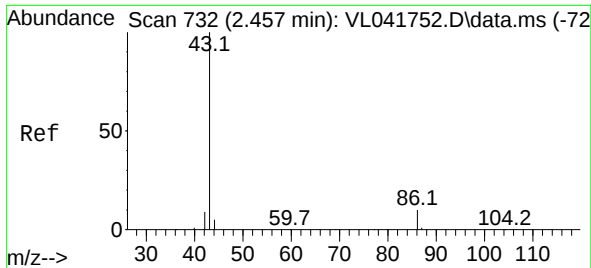
Ion Ratio Lower Upper

96 100

61 182.9 146.3 219.5

98 63.5 50.8 76.2

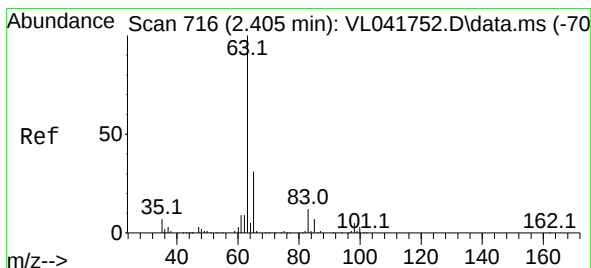
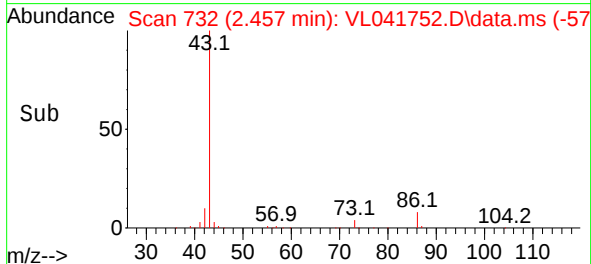
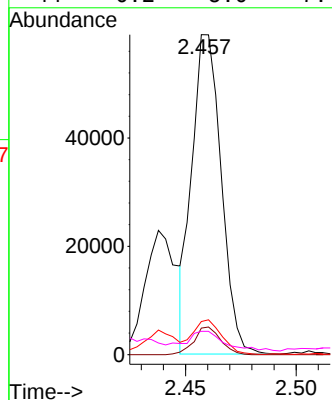
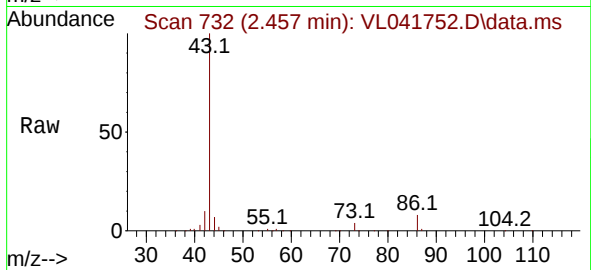




#23
 Vinyl Acetate
 Concen: 9.350 ppbv
 RT: 2.457 min Scan# 732
 Delta R.T. 0.000 min
 Lab File: VL041752.D
 Acq: 16 Dec 2024 13:30

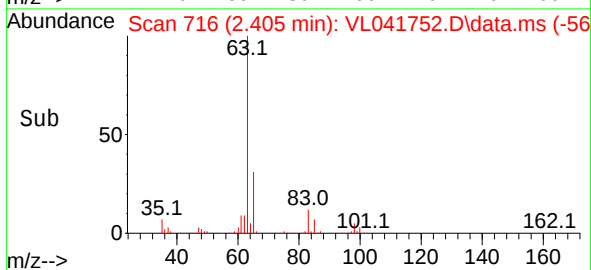
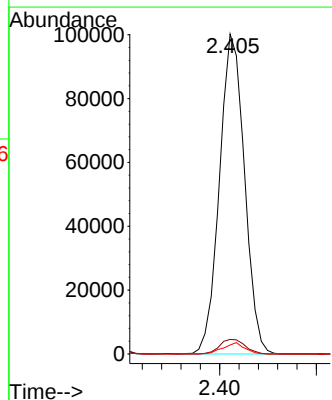
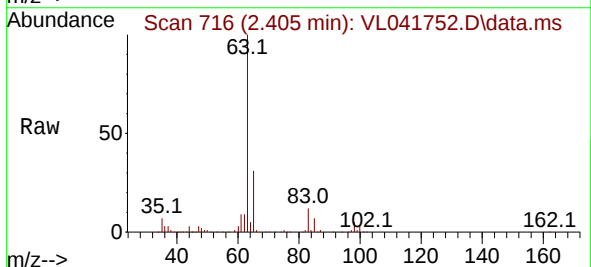
Instrument :
 MSVOA_1
 ClientSampleId :

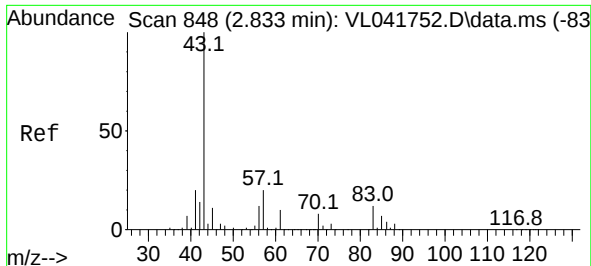
Tgt Ion:	43	Resp:	54227
Ion	Ratio	Lower	Upper
43	100		
86	8.3	6.6	10.0
42	10.2	8.2	12.2
44	6.2	5.0	7.4



#24
 1,1-Dichloroethane
 Concen: 9.386 ppbv
 RT: 2.405 min Scan# 716
 Delta R.T. 0.000 min
 Lab File: VL041752.D
 Acq: 16 Dec 2024 13:30

Tgt Ion:	63	Resp:	89912
Ion	Ratio	Lower	Upper
63	100		
98	4.5	2.3	6.8
100	2.8	1.4	4.2





#25

Ethyl Acetate

Concen: 9.432 ppbv

RT: 2.833 min Scan# 848

Delta R.T. 0.000 min

Lab File: VL041752.D

Acq: 16 Dec 2024 13:30

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 43 Resp: 235305

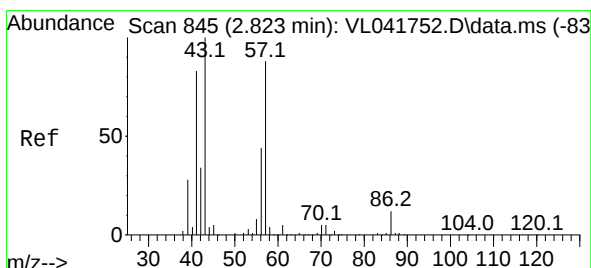
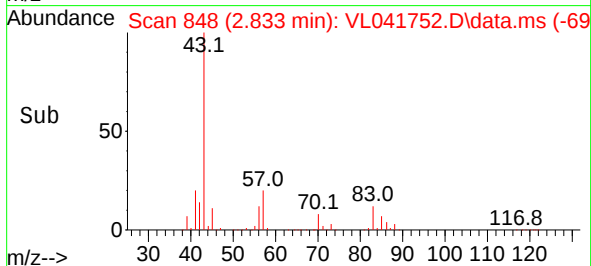
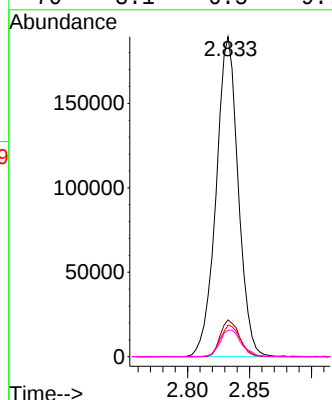
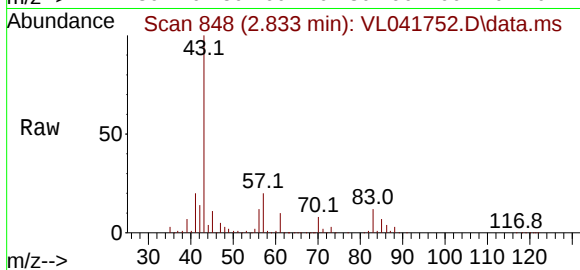
Ion Ratio Lower Upper

43 100

45 10.1 8.1 12.1

61 8.8 7.0 10.6

70 8.1 6.5 9.7



#26

Hexane

Concen: 9.486 ppbv

RT: 2.823 min Scan# 845

Delta R.T. 0.000 min

Lab File: VL041752.D

Acq: 16 Dec 2024 13:30

Tgt Ion: 57 Resp: 89385

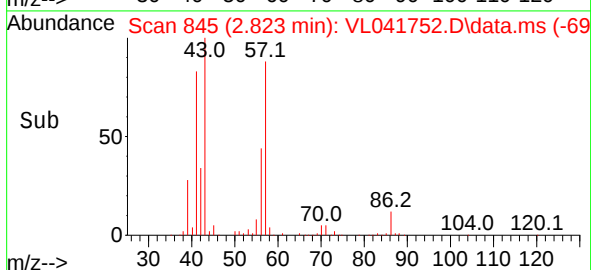
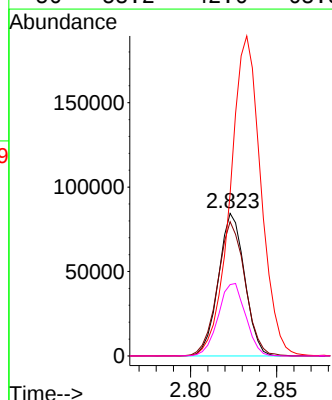
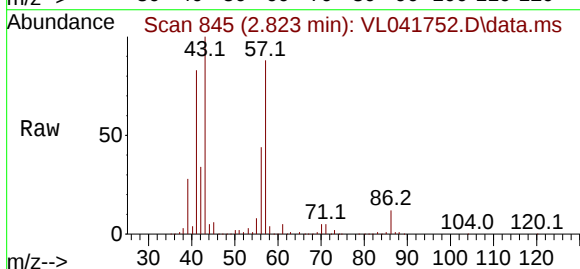
Ion Ratio Lower Upper

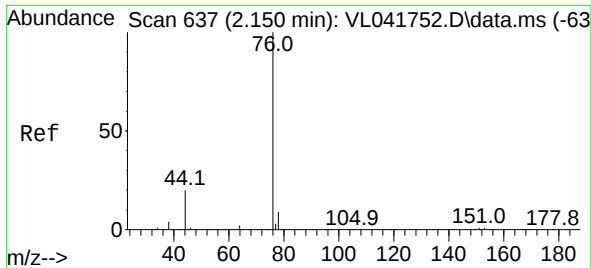
57 100

41 99.5 79.6 119.4

43 263.8 211.0 316.6

56 53.2 42.6 63.8





#27

Carbon Disulfide

Concen: 10.873 ppbv

RT: 2.150 min Scan# 637

Delta R.T. 0.000 min

Lab File: VL041752.D

Acq: 16 Dec 2024 13:30

Instrument :

MSVOA_L

ClientSampleId :

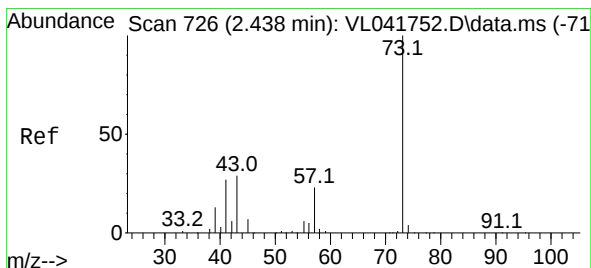
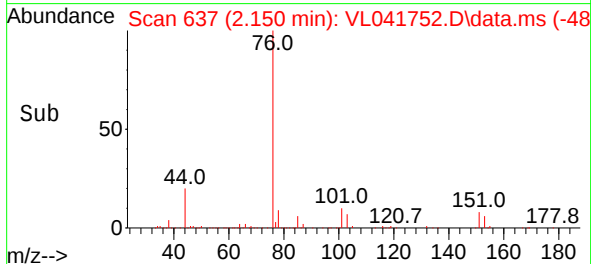
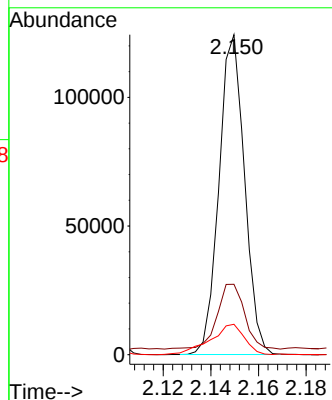
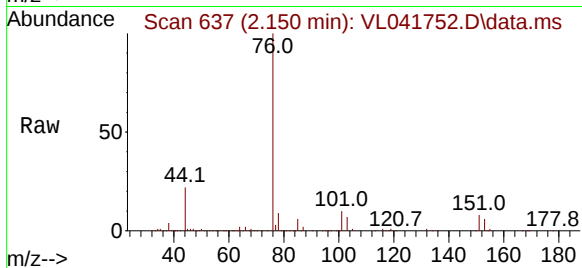
Tgt Ion: 76 Resp: 92329

Ion Ratio Lower Upper

76 100

44 22.0 17.6 26.4

78 12.8 10.2 15.4



#28

Methyl tert-Butyl Ether

Concen: 9.854 ppbv

RT: 2.438 min Scan# 726

Delta R.T. 0.000 min

Lab File: VL041752.D

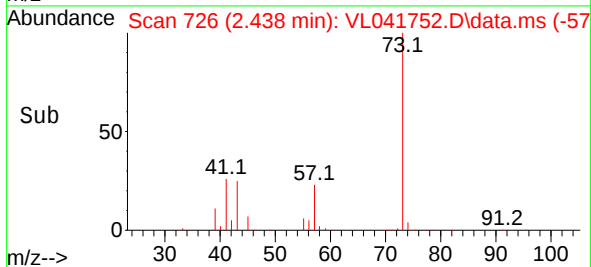
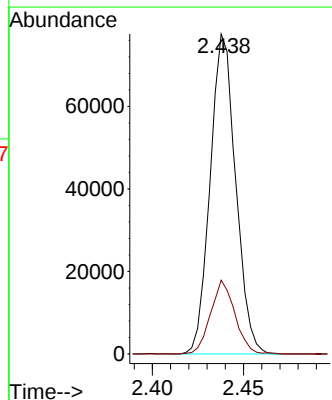
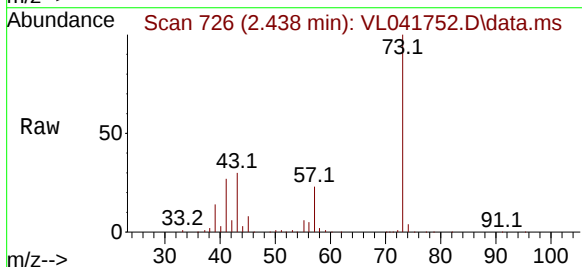
Acq: 16 Dec 2024 13:30

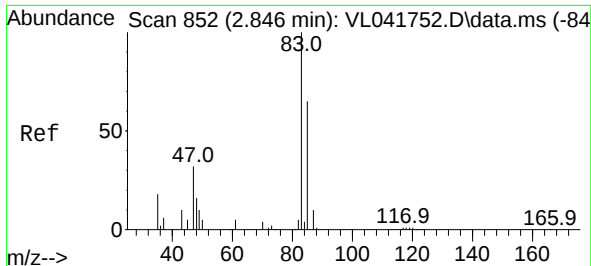
Tgt Ion: 73 Resp: 75330

Ion Ratio Lower Upper

73 100

57 22.0 17.6 26.4





#29

Chloroform

Concen: 9.408 ppbv

RT: 2.846 min Scan# 852

Delta R.T. 0.000 min

Lab File: VL041752.D

Acq: 16 Dec 2024 13:30

Instrument :

MSVOA_L

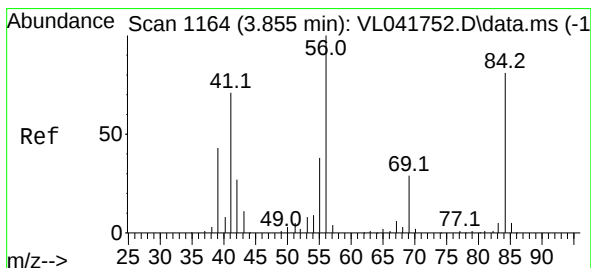
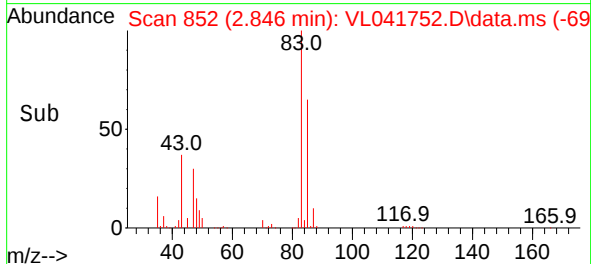
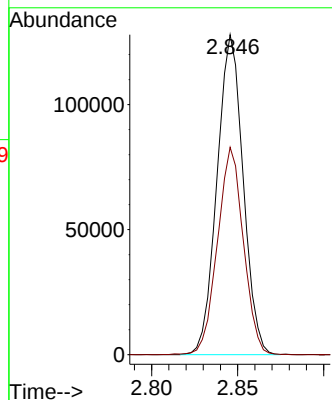
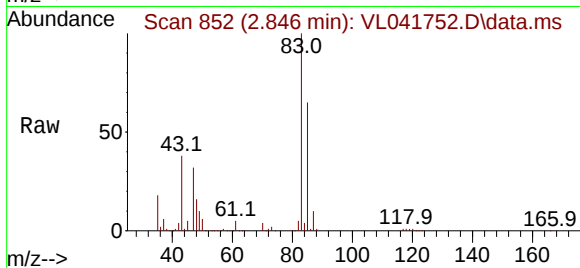
ClientSampleId :

Tgt Ion: 83 Resp: 135099

Ion Ratio Lower Upper

83 100

85 64.7 51.8 77.6



#30

Cyclohexane

Concen: 9.374 ppbv

RT: 3.855 min Scan# 1164

Delta R.T. 0.000 min

Lab File: VL041752.D

Acq: 16 Dec 2024 13:30

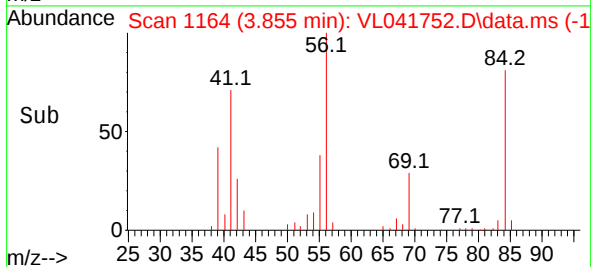
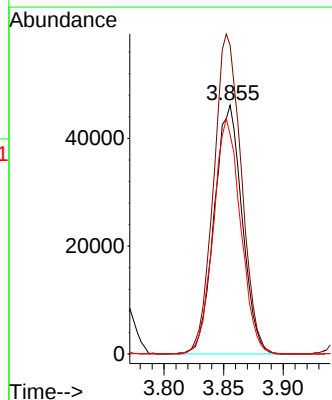
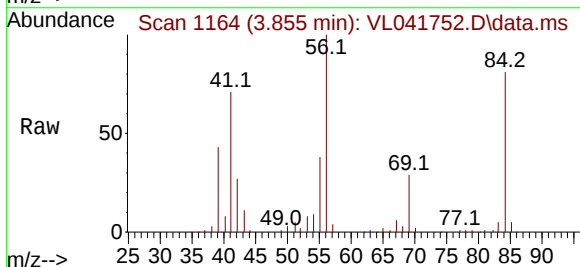
Tgt Ion: 84 Resp: 75156

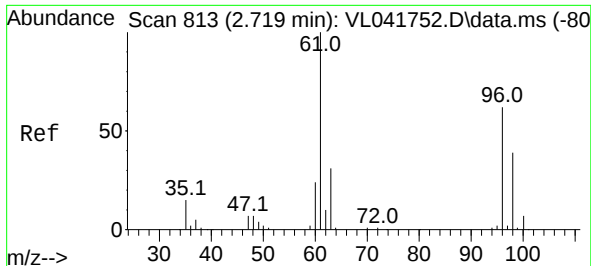
Ion Ratio Lower Upper

84 100

56 127.9 102.3 153.5

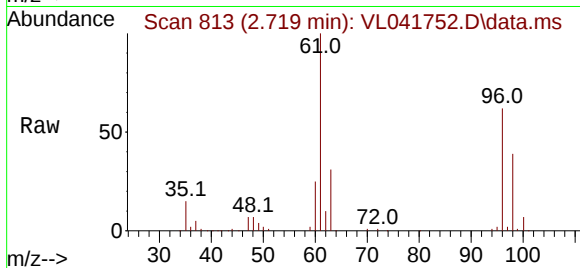
41 92.5 74.0 111.0



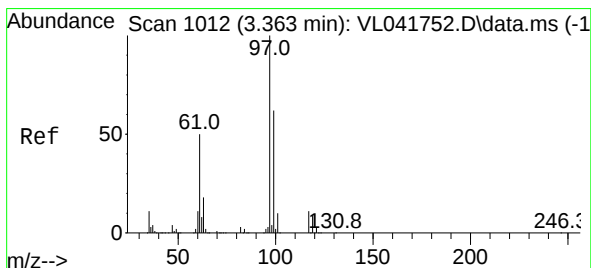
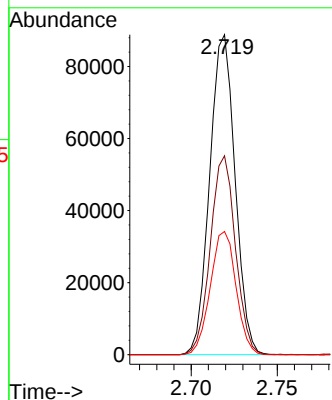
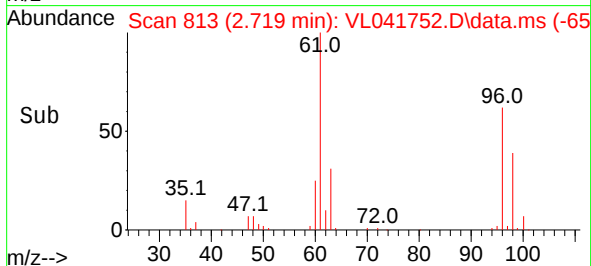


#31
 cis-1,2-Dichloroethene
 Concen: 9.374 ppbv
 RT: 2.719 min Scan# 813
 Delta R.T. 0.000 min
 Lab File: VL041752.D
 Acq: 16 Dec 2024 13:30

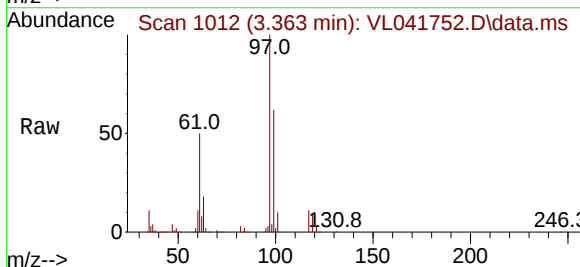
Instrument :
 MSVOA_L
 ClientSampleId :



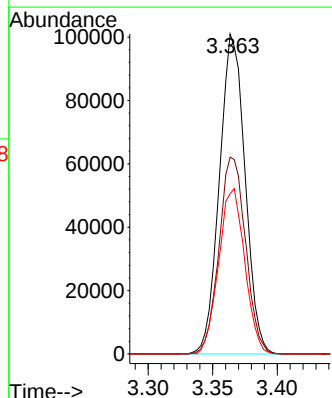
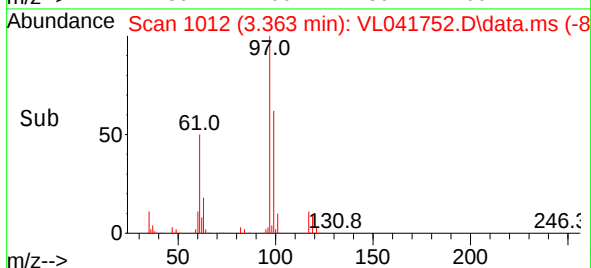
Tgt Ion: 61 Resp: 91276
 Ion Ratio Lower Upper
 61 100
 96 62.1 49.7 74.5
 98 38.5 30.8 46.2

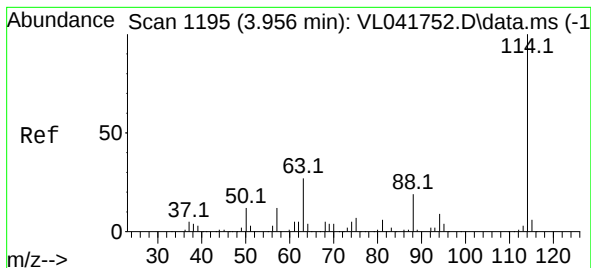


#32
 1,1,1-Trichloroethane
 Concen: 9.733 ppbv
 RT: 3.363 min Scan# 1012
 Delta R.T. 0.000 min
 Lab File: VL041752.D
 Acq: 16 Dec 2024 13:30



Tgt Ion: 97 Resp: 139102
 Ion Ratio Lower Upper
 97 100
 99 63.7 51.0 76.4
 61 52.7 42.2 63.2





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.956 min Scan# 1195

Delta R.T. 0.000 min

Lab File: VL041752.D

Acq: 16 Dec 2024 13:30

Instrument :

MSVOA_1

ClientSampleId :

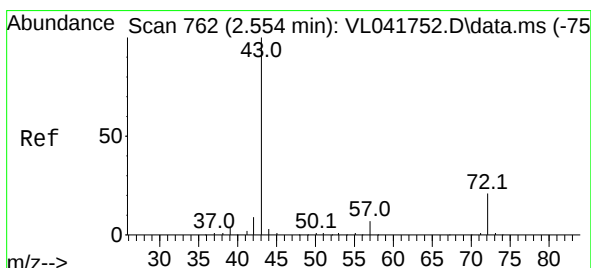
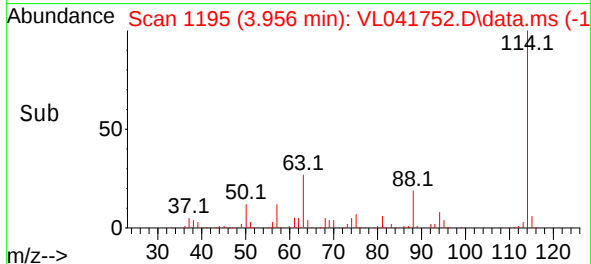
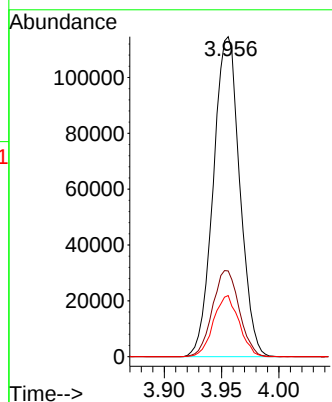
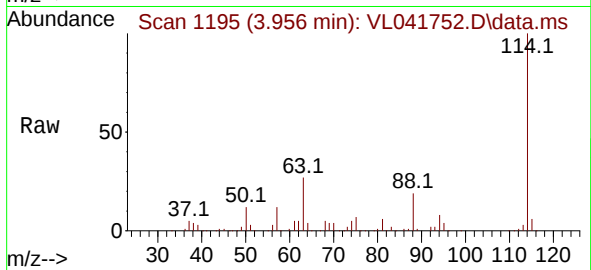
Tgt Ion:114 Resp: 183786

Ion Ratio Lower Upper

114 100

63 27.3 21.8 32.8

88 18.5 14.8 22.2



#34

2-Butanone

Concen: 9.153 ppbv

RT: 2.554 min Scan# 762

Delta R.T. 0.000 min

Lab File: VL041752.D

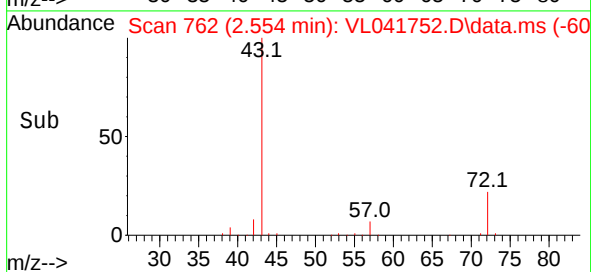
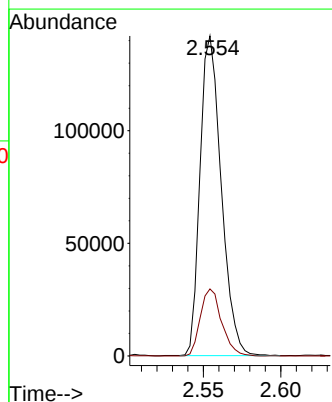
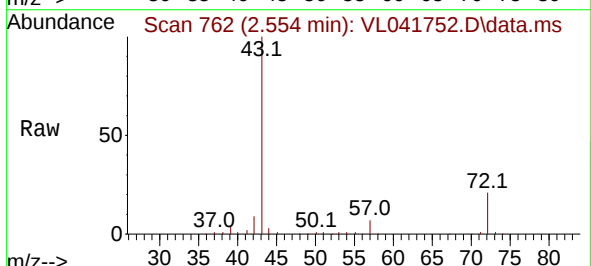
Acq: 16 Dec 2024 13:30

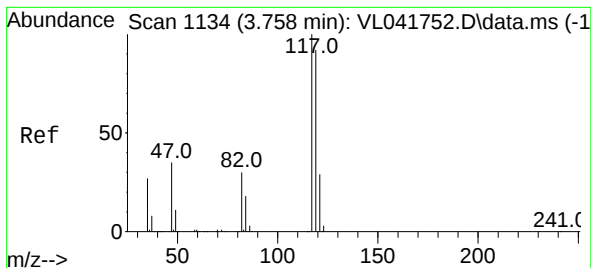
Tgt Ion: 43 Resp: 135331

Ion Ratio Lower Upper

43 100

72 21.0 16.8 25.2





#35

Carbon Tetrachloride

Concen: 10.650 ppbv

RT: 3.758 min Scan# 1134

Delta R.T. 0.000 min

Lab File: VL041752.D

Acq: 16 Dec 2024 13:30

Instrument :

MSVOA_L

ClientSampleId :

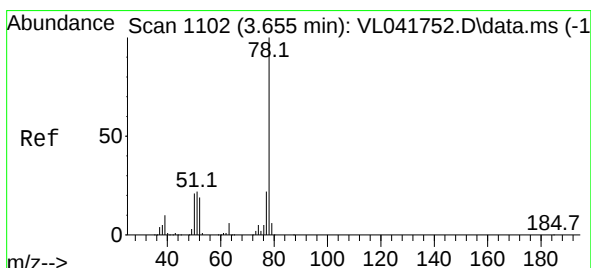
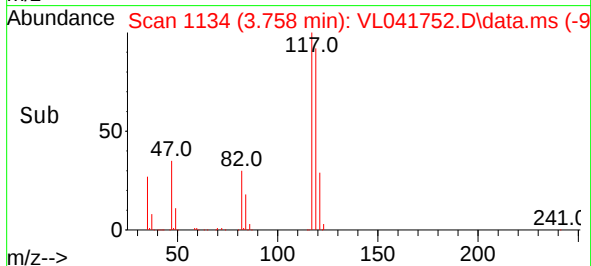
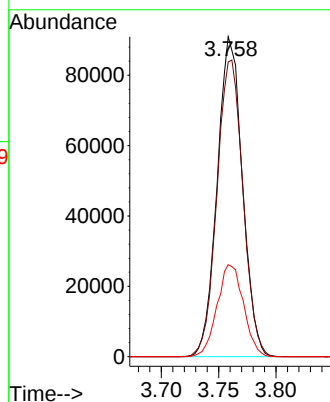
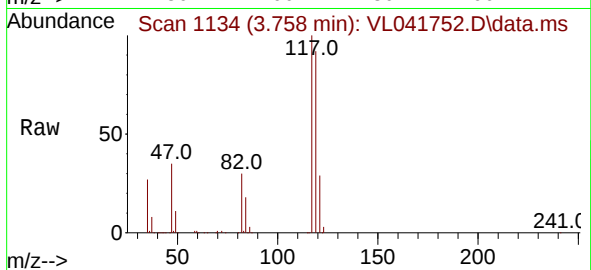
Tgt Ion:117 Resp: 138952

Ion Ratio Lower Upper

117 100

119 92.1 73.7 110.5

121 28.7 23.0 34.4



#36

Benzene

Concen: 9.423 ppbv

RT: 3.655 min Scan# 1102

Delta R.T. 0.000 min

Lab File: VL041752.D

Acq: 16 Dec 2024 13:30

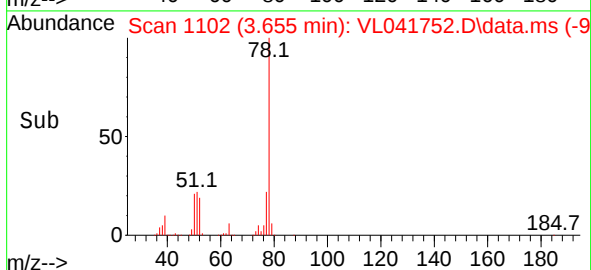
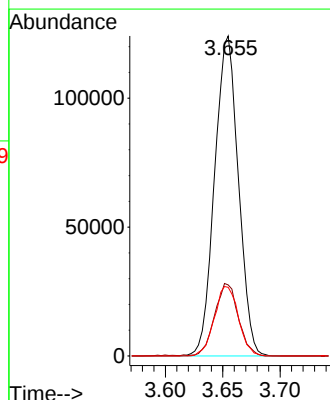
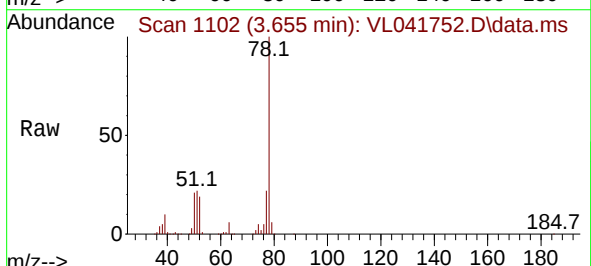
Tgt Ion: 78 Resp: 179134

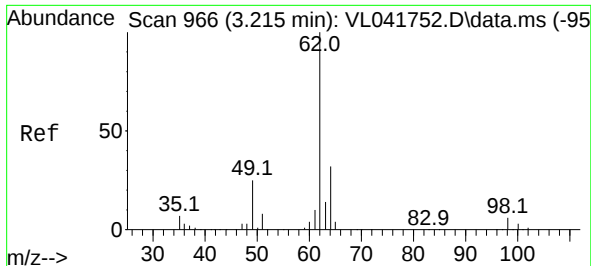
Ion Ratio Lower Upper

78 100

77 22.2 17.8 26.6

50 21.5 17.2 25.8





#37

1,2-Dichloroethane

Concen: 9.449 ppbv

RT: 3.215 min Scan# 9

Delta R.T. 0.000 min

Lab File: VL041752.D

Acq: 16 Dec 2024 13:30

Instrument :

MSVOA_L

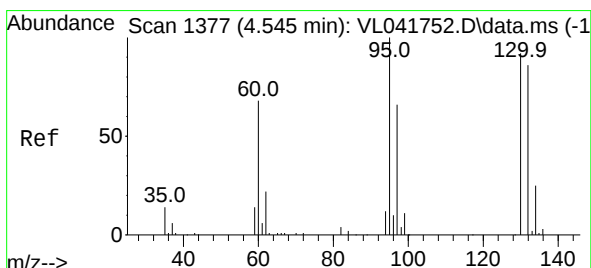
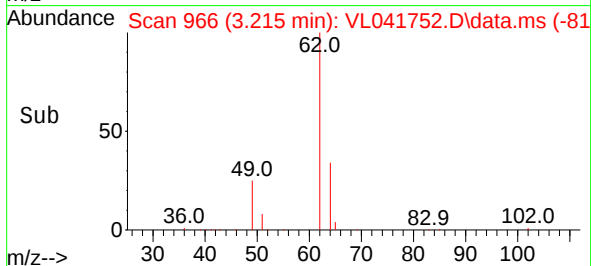
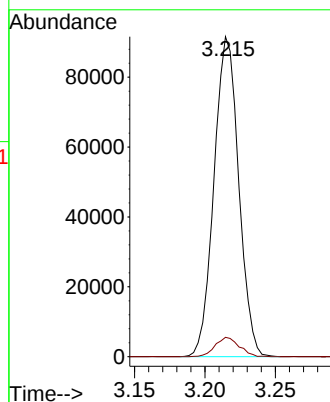
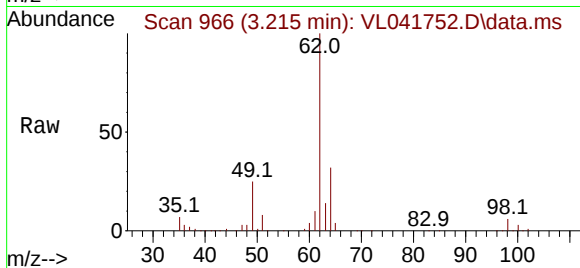
ClientSampleId :

Tgt Ion: 62 Resp: 111770

Ion Ratio Lower Upper

62 100

98 5.9 4.7 7.1



#38

Trichloroethene

Concen: 8.907 ppbv

RT: 4.545 min Scan# 1377

Delta R.T. 0.000 min

Lab File: VL041752.D

Acq: 16 Dec 2024 13:30

Tgt Ion:130 Resp: 71297

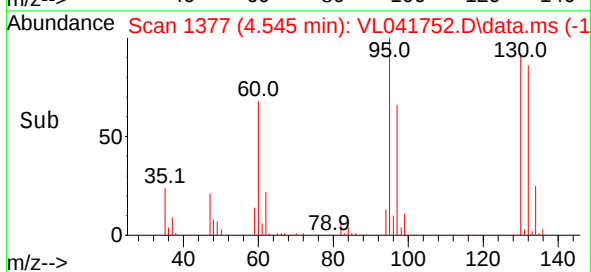
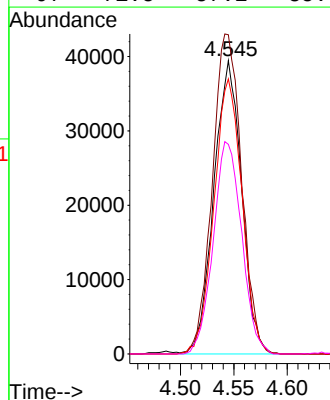
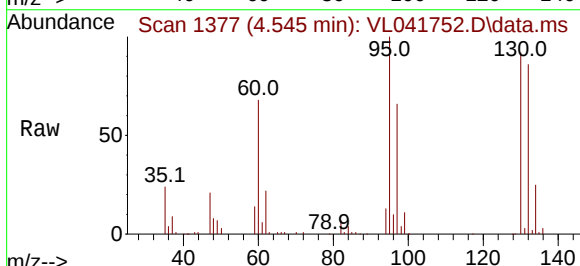
Ion Ratio Lower Upper

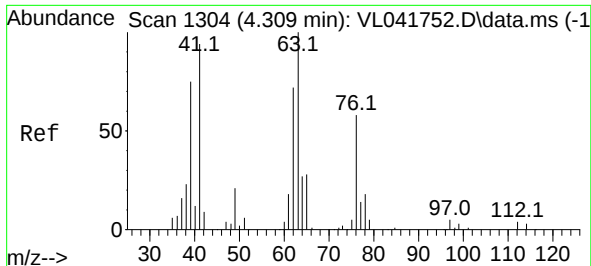
130 100

95 108.8 87.0 130.6

132 93.8 75.0 112.6

97 71.5 57.2 85.8





#39

1,2-Dichloropropane

Concen: 9.423 ppbv

RT: 4.309 min Scan# 1304

Delta R.T. 0.000 min

Lab File: VL041752.D

Acq: 16 Dec 2024 13:30

Instrument :

MSVOA_L

ClientSampleId :

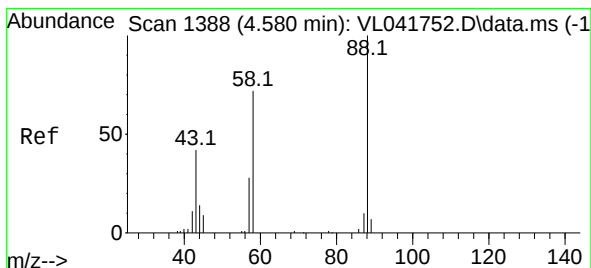
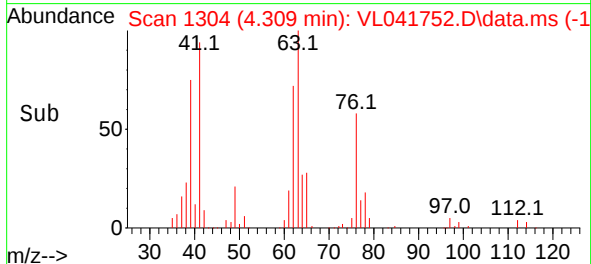
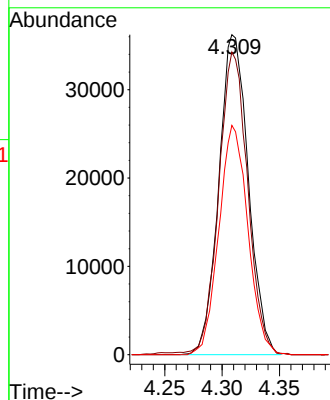
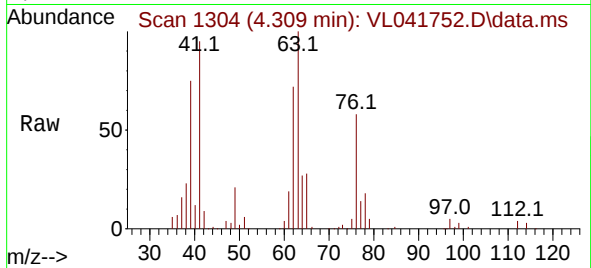
Tgt Ion: 63 Resp: 64789

Ion Ratio Lower Upper

63 100

41 94.1 75.3 112.9

62 71.6 57.3 85.9



#40

1,4-Dioxane

Concen: 9.128 ppbv

RT: 4.580 min Scan# 1388

Delta R.T. 0.000 min

Lab File: VL041752.D

Acq: 16 Dec 2024 13:30

Tgt Ion: 88 Resp: 30658

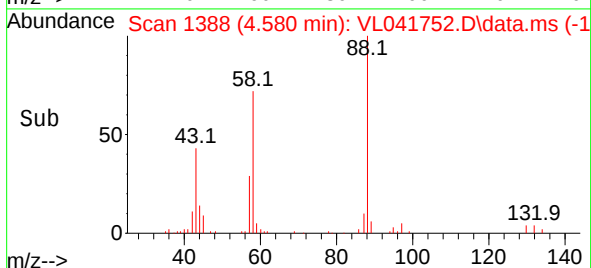
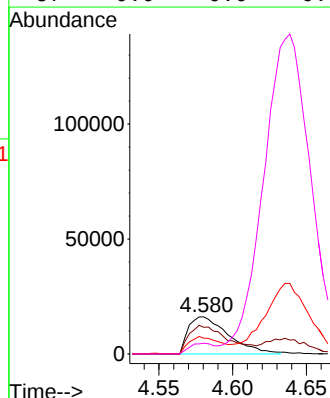
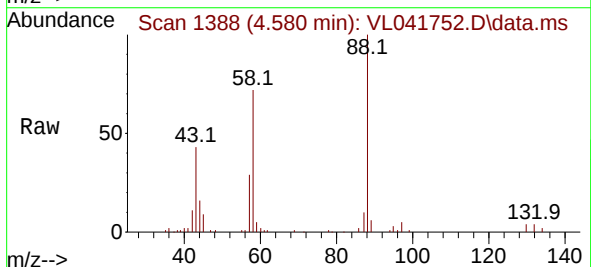
Ion Ratio Lower Upper

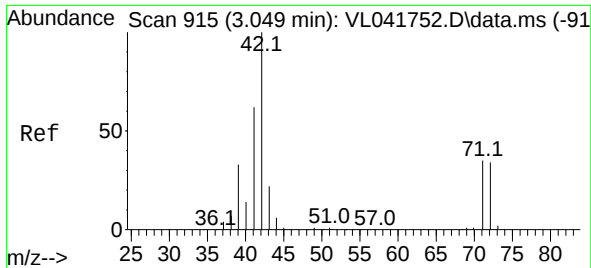
88 100

58 76.3 61.0 91.6

43 36.7 29.4 44.0

57 0.0 0.0 0.0





#41

Tetrahydrofuran

Concen: 9.474 ppbv

RT: 3.049 min Scan# 915

Delta R.T. 0.000 min

Lab File: VL041752.D

Acq: 16 Dec 2024 13:30

Instrument :

MSVOA_L

ClientSampleId :

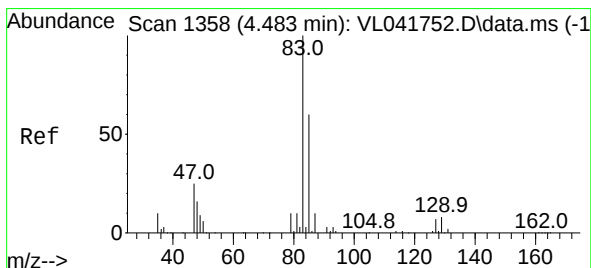
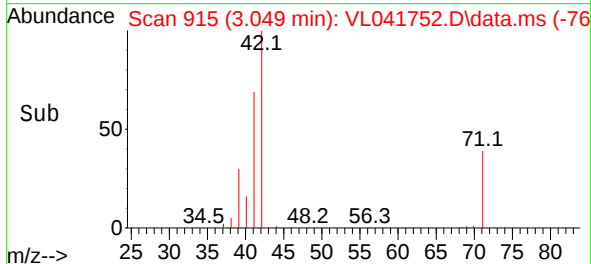
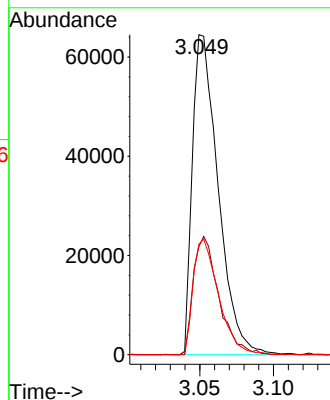
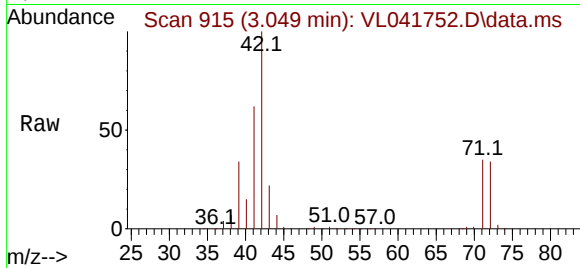
Tgt Ion: 42 Resp: 78480

Ion Ratio Lower Upper

42 100

72 36.4 29.1 43.7

71 35.5 28.4 42.6



#42

Bromodichloromethane

Concen: 10.494 ppbv

RT: 4.483 min Scan# 1358

Delta R.T. 0.000 min

Lab File: VL041752.D

Acq: 16 Dec 2024 13:30

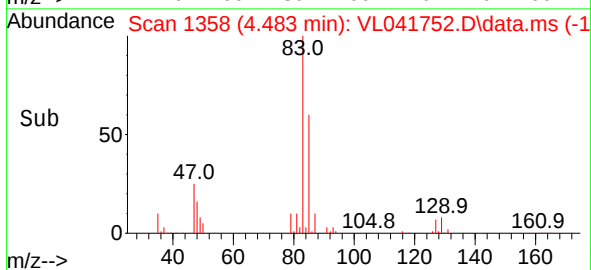
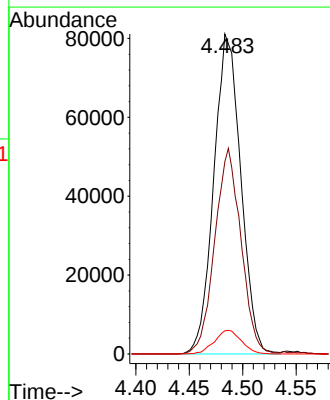
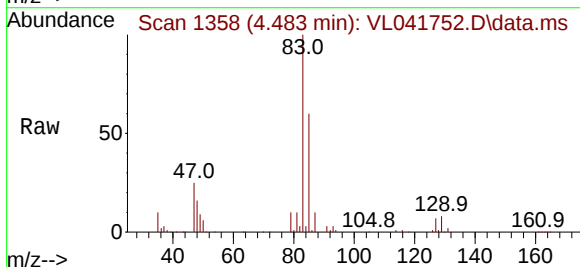
Tgt Ion: 83 Resp: 142819

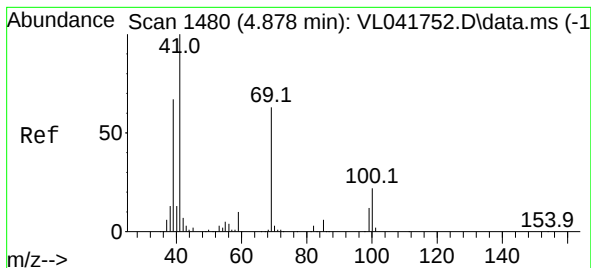
Ion Ratio Lower Upper

83 100

85 60.0 48.0 72.0

127 7.3 5.8 8.8





#43

Methyl Methacrylate

Concen: 10.020 ppbv

RT: 4.878 min Scan# 1480

Delta R.T. 0.000 min

Lab File: VL041752.D

Acq: 16 Dec 2024 13:30

Instrument :

MSVOA_L

ClientSampleId :

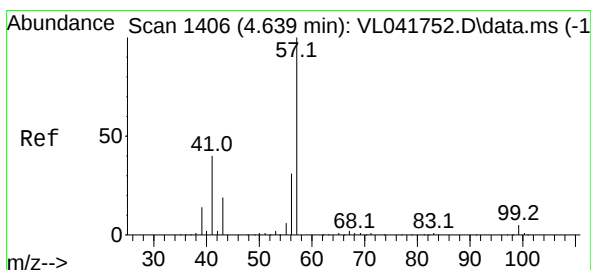
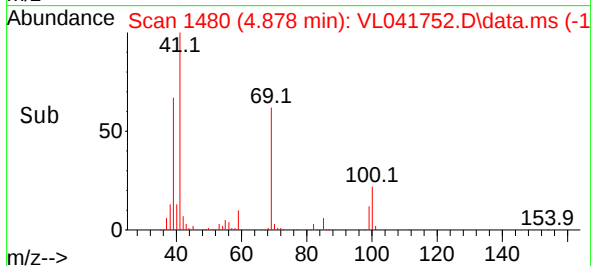
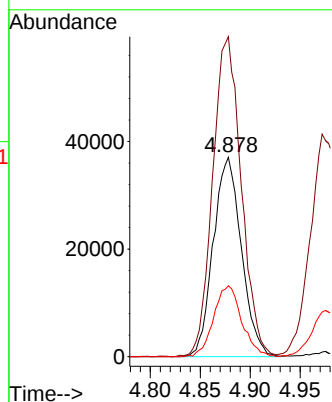
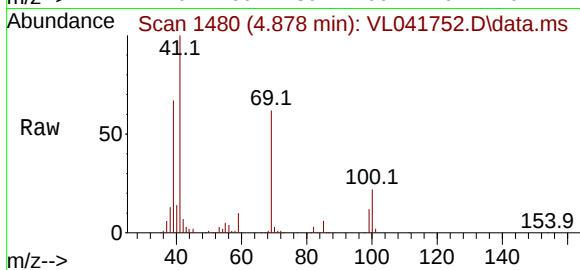
Tgt Ion: 69 Resp: 72578

Ion Ratio Lower Upper

69 100

41 162.9 130.3 195.5

100 35.4 28.3 42.5



#44

2,2,4-Trimethylpentane

Concen: 9.479 ppbv

RT: 4.639 min Scan# 1406

Delta R.T. 0.000 min

Lab File: VL041752.D

Acq: 16 Dec 2024 13:30

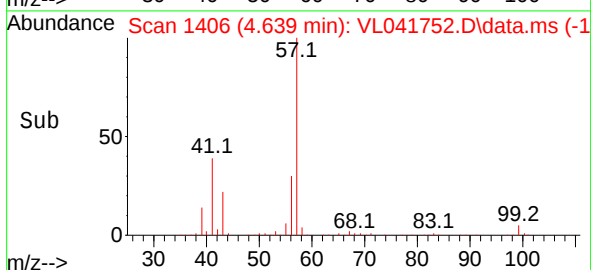
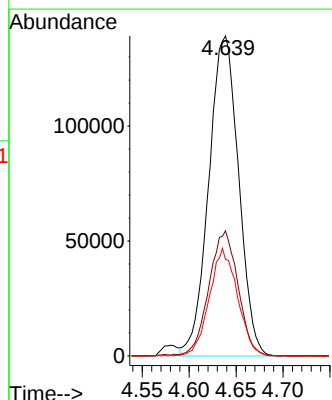
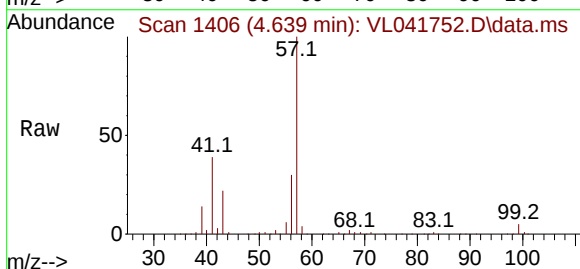
Tgt Ion: 57 Resp: 307748

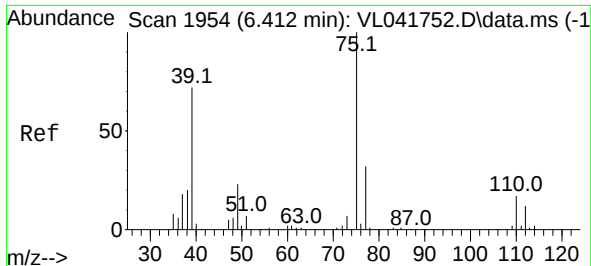
Ion Ratio Lower Upper

57 100

41 38.4 30.7 46.1

56 31.7 25.4 38.0





#45

t-1,3-Dichloropropene

Concen: 10.378 ppbv

RT: 6.412 min Scan# 1954

Delta R.T. 0.000 min

Lab File: VL041752.D

Acq: 16 Dec 2024 13:30

Instrument :

MSVOA_L

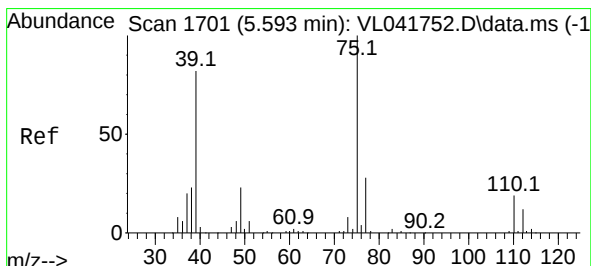
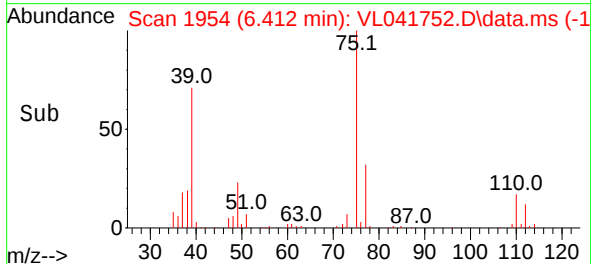
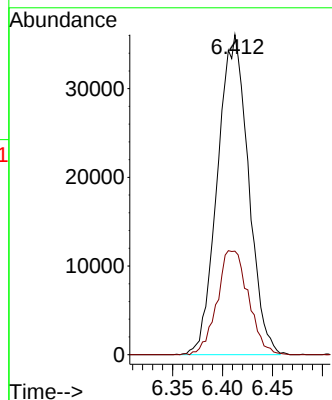
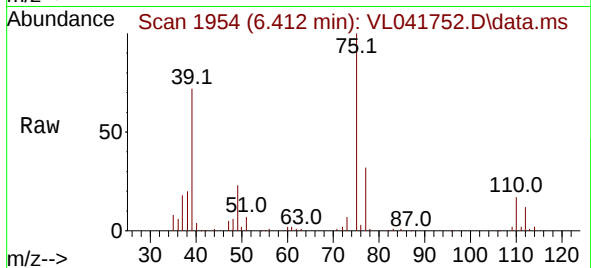
ClientSampleId :

Tgt Ion: 75 Resp: 77752

Ion Ratio Lower Upper

75 100

77 32.4 25.9 38.9



#46

cis-1,3-Dichloropropene

Concen: 10.303 ppbv

RT: 5.593 min Scan# 1701

Delta R.T. 0.000 min

Lab File: VL041752.D

Acq: 16 Dec 2024 13:30

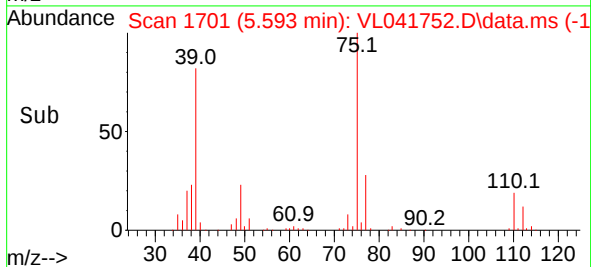
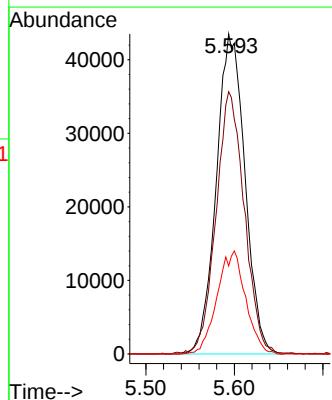
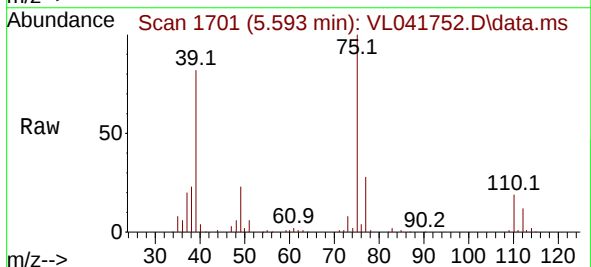
Tgt Ion: 75 Resp: 97992

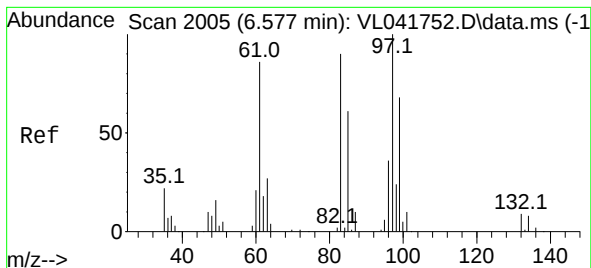
Ion Ratio Lower Upper

75 100

39 81.5 65.2 97.8

77 27.5 22.0 33.0





#47

1,1,2-Trichloroethane

Concen: 9.406 ppbv

RT: 6.577 min Scan# 2005

Delta R.T. 0.000 min

Lab File: VL041752.D

Acq: 16 Dec 2024 13:30

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 97 Resp: 67550

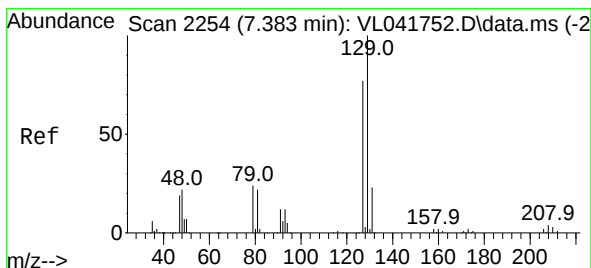
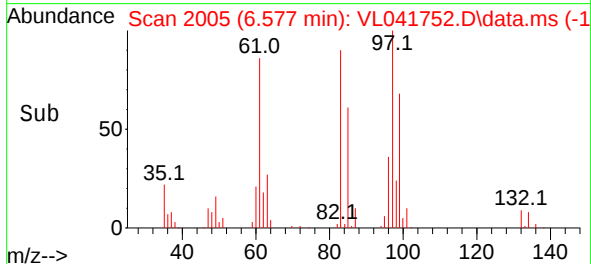
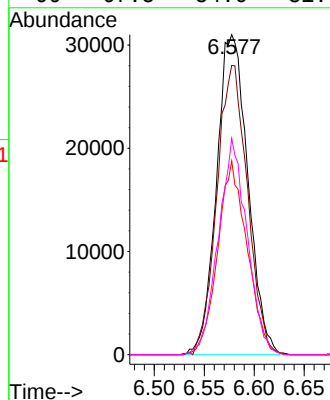
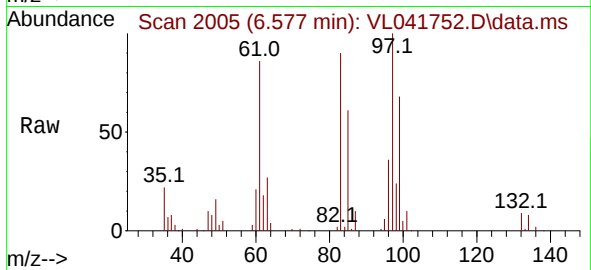
Ion Ratio Lower Upper

97 100

83 90.4 72.3 108.5

85 60.6 48.5 72.7

99 67.5 54.0 81.0



#48

Dibromochloromethane

Concen: 11.105 ppbv

RT: 7.383 min Scan# 2254

Delta R.T. 0.000 min

Lab File: VL041752.D

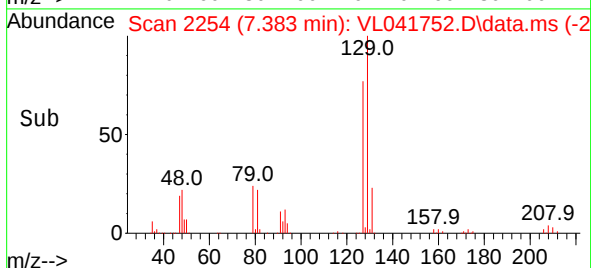
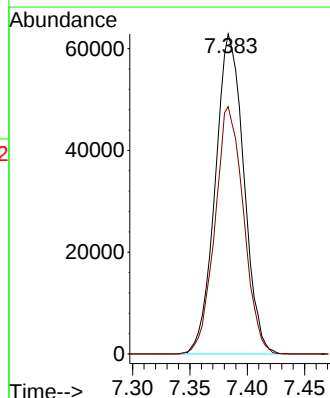
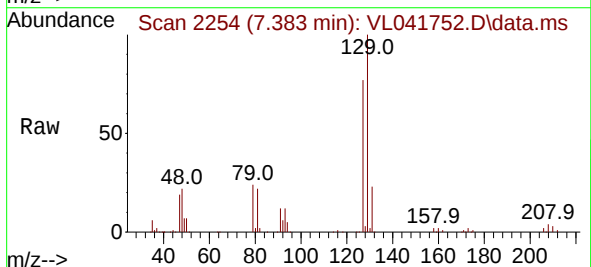
Acq: 16 Dec 2024 13:30

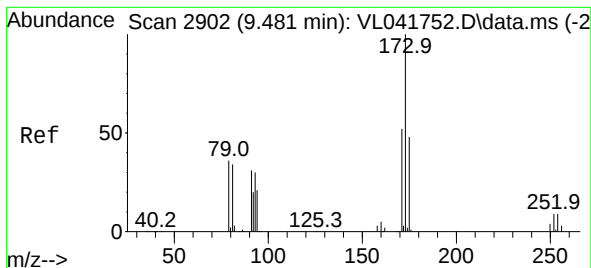
Tgt Ion: 129 Resp: 108899

Ion Ratio Lower Upper

129 100

127 77.5 38.8 116.3





#49

Bromoform

Concen: 11.410 ppbv

RT: 9.481 min Scan# 2902

Delta R.T. 0.000 min

Lab File: VL041752.D

Acq: 16 Dec 2024 13:30

Instrument :

MSVOA_L

ClientSampleId :

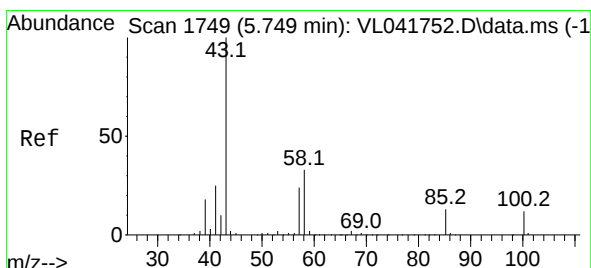
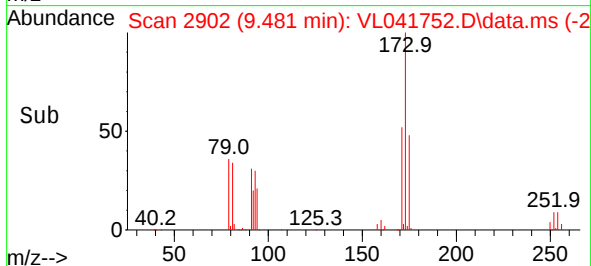
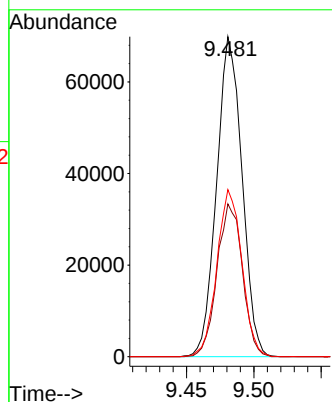
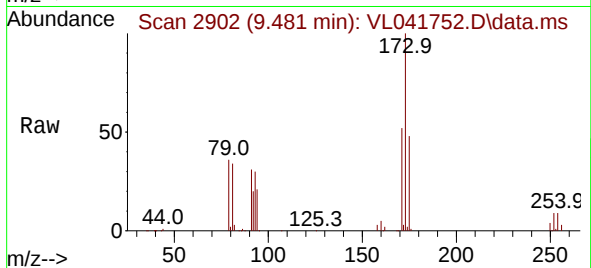
Tgt Ion:173 Resp: 91587

Ion Ratio Lower Upper

173 100

175 47.7 38.2 57.2

171 51.4 41.1 61.7



#50

4-Methyl-2-Pentanone

Concen: 9.678 ppbv

RT: 5.749 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VL041752.D

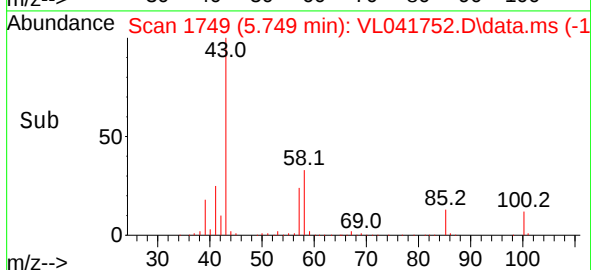
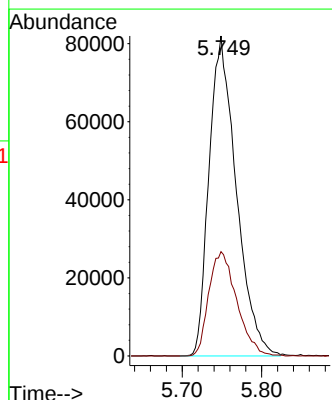
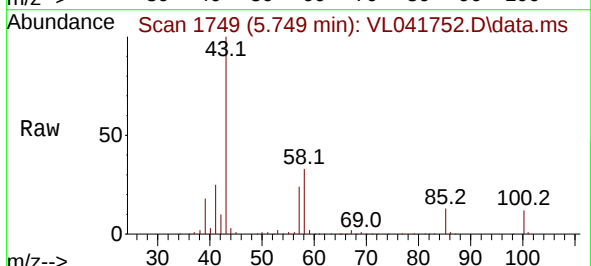
Acq: 16 Dec 2024 13:30

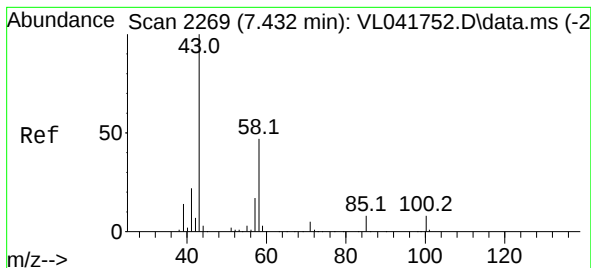
Tgt Ion: 43 Resp: 194838

Ion Ratio Lower Upper

43 100

58 33.5 26.8 40.2





#51

2-Hexanone

Concen: 9.650 ppbv

RT: 7.432 min Scan# 21

Delta R.T. 0.000 min

Lab File: VL041752.D

Acq: 16 Dec 2024 13:30

Instrument :

MSVOA_L

ClientSampleId :

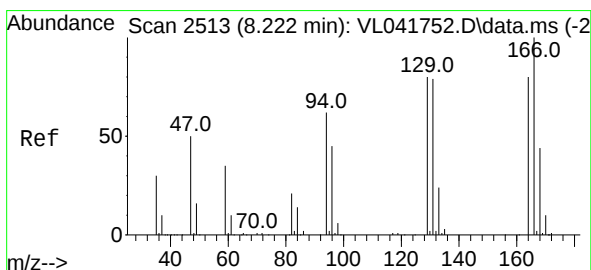
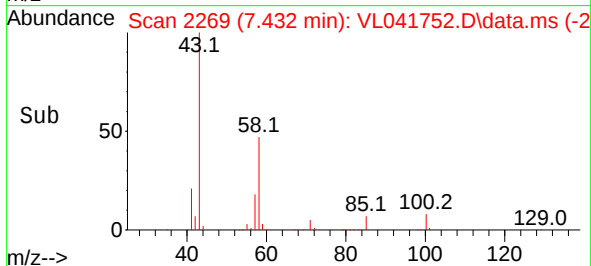
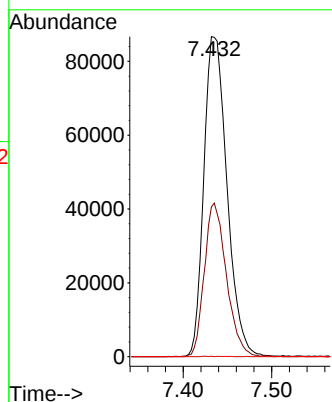
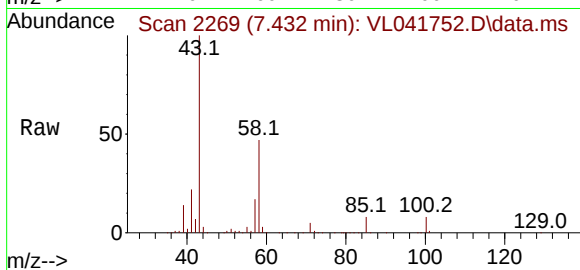
Tgt Ion: 43 Resp: 157473

Ion Ratio Lower Upper

43 100

58 45.8 36.6 55.0

98 0.1 0.1 0.1



#52

Tetrachloroethene

Concen: 8.901 ppbv

RT: 8.222 min Scan# 2513

Delta R.T. 0.000 min

Lab File: VL041752.D

Acq: 16 Dec 2024 13:30

Tgt Ion:164 Resp: 62989

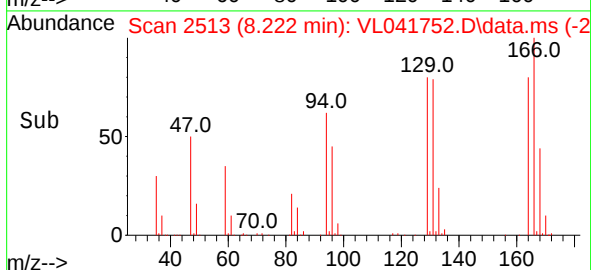
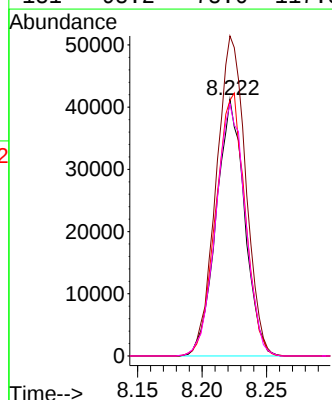
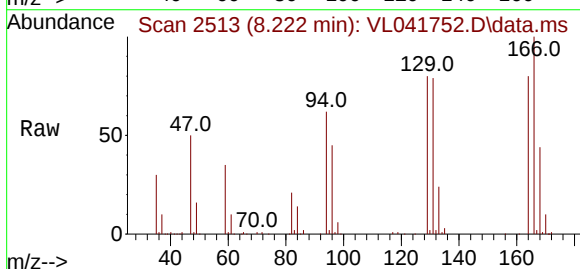
Ion Ratio Lower Upper

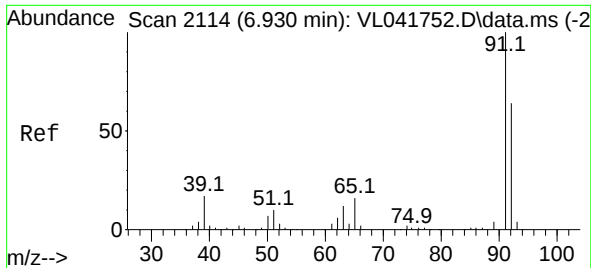
164 100

166 124.7 99.8 149.6

129 99.5 79.6 119.4

131 98.2 78.6 117.8





#53

Toluene

Concen: 9.574 ppbv

RT: 6.930 min Scan# 2114

Delta R.T. 0.000 min

Lab File: VL041752.D

Acq: 16 Dec 2024 13:30

Instrument :

MSVOA_L

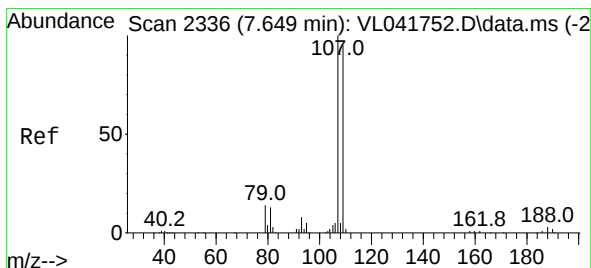
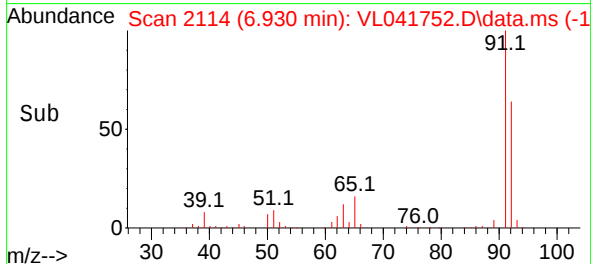
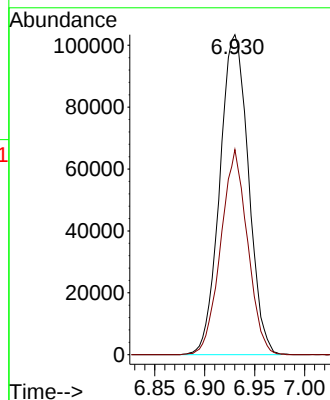
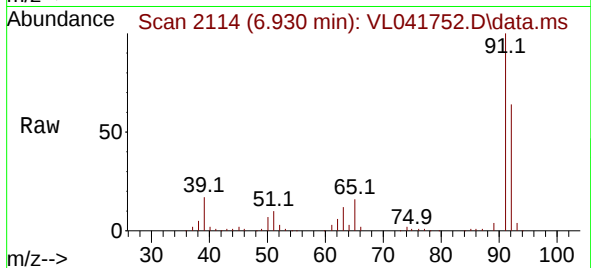
ClientSampleId :

Tgt Ion: 91 Resp: 206354

Ion Ratio Lower Upper

91 100

92 59.9 47.9 71.9



#54

1,2-Dibromoethane

Concen: 9.501 ppbv

RT: 7.649 min Scan# 2336

Delta R.T. 0.000 min

Lab File: VL041752.D

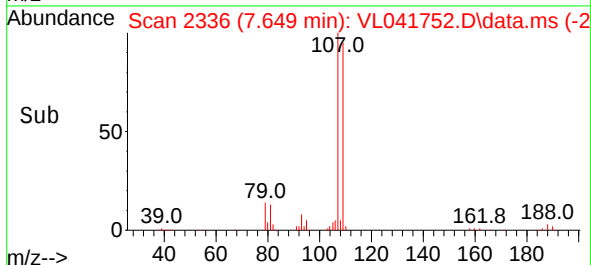
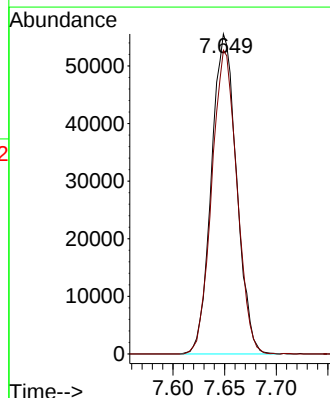
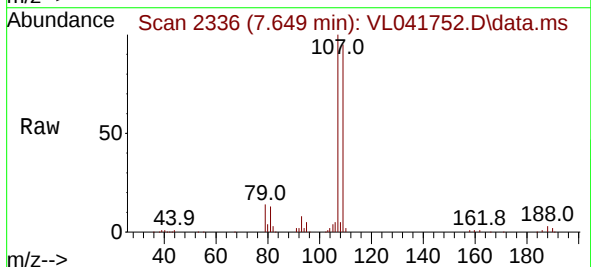
Acq: 16 Dec 2024 13:30

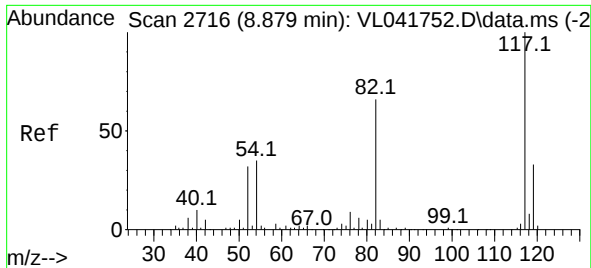
Tgt Ion: 107 Resp: 94016

Ion Ratio Lower Upper

107 100

109 94.9 75.9 113.9

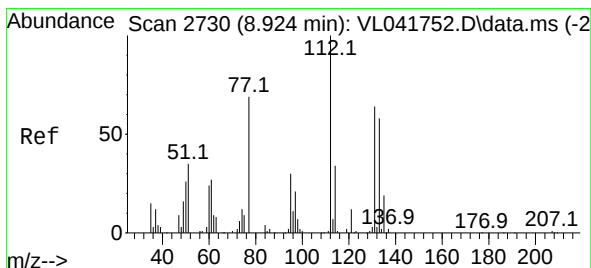
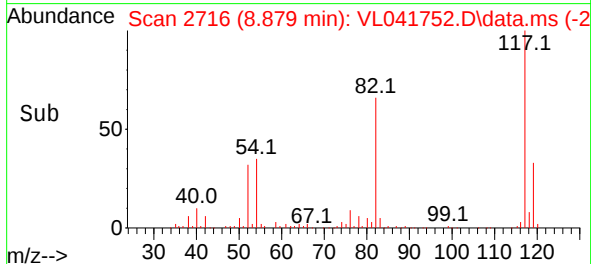
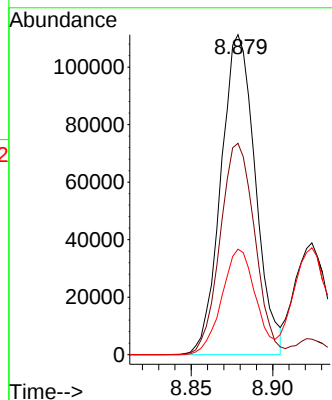
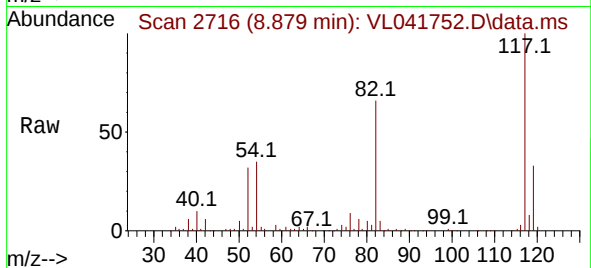




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.879 min Scan# 2716
Delta R.T. 0.000 min
Lab File: VL041752.D
Acq: 16 Dec 2024 13:30

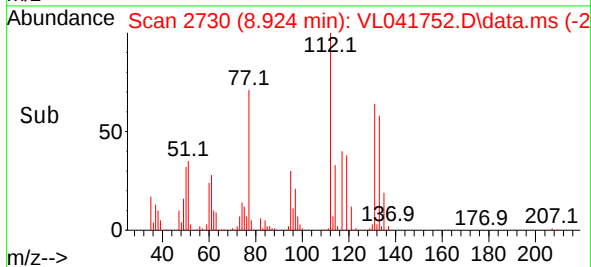
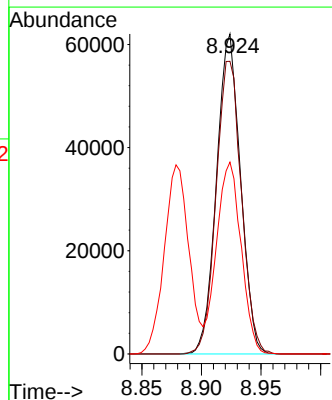
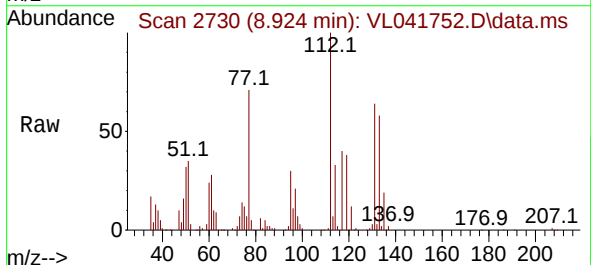
Instrument :
MSVOA_L
ClientSampleId :

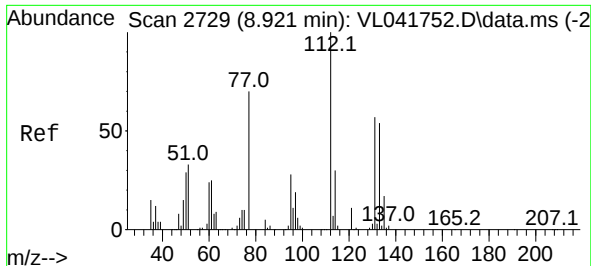
Tgt Ion:117 Resp: 163333
Ion Ratio Lower Upper
117 100
82 67.3 53.8 80.8
119 33.4 26.7 40.1



#56
1,1,1,2-Tetrachloroethane
Concen: 10.027 ppbv
RT: 8.924 min Scan# 2730
Delta R.T. 0.000 min
Lab File: VL041752.D
Acq: 16 Dec 2024 13:30

Tgt Ion:131 Resp: 86831
Ion Ratio Lower Upper
131 100
133 96.0 76.8 115.2
119 61.3 49.0 73.6

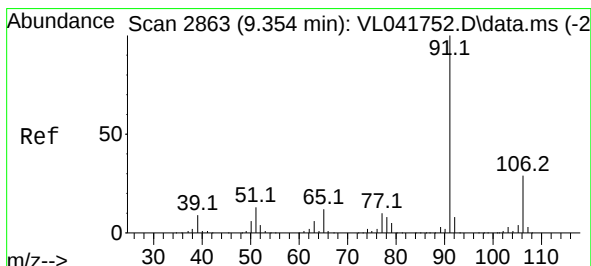
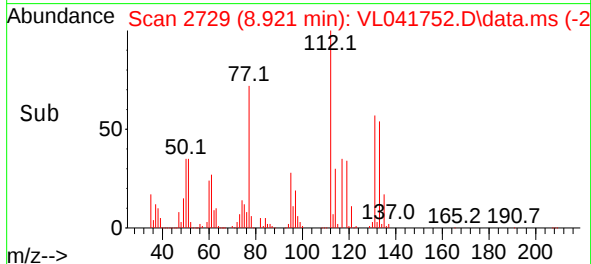
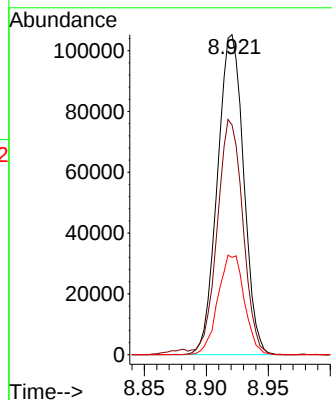
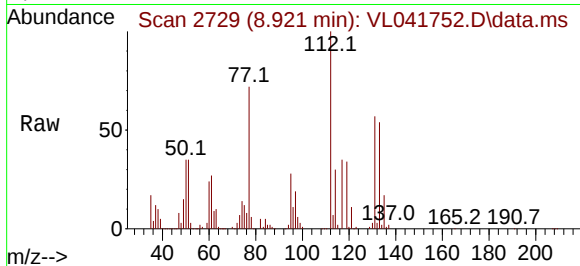




#57
Chlorobenzene
Concen: 9.295 ppbv
RT: 8.921 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL041752.D
Acq: 16 Dec 2024 13:30

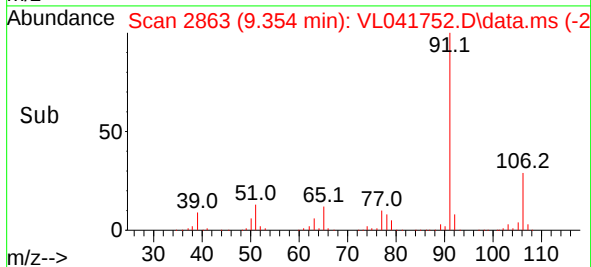
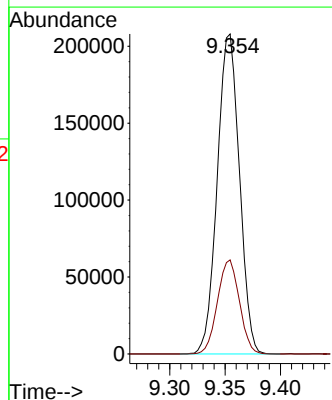
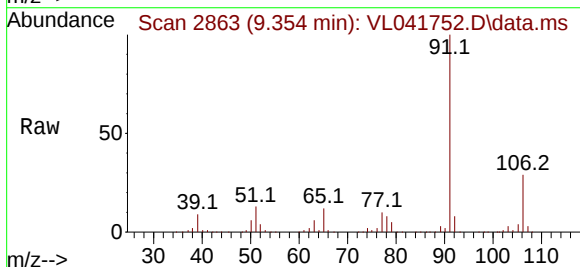
Instrument :
MSVOA_L
ClientSampleId :

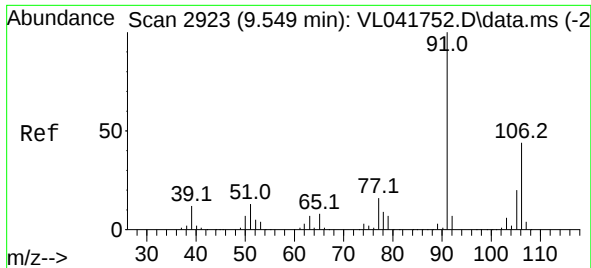
Tgt Ion:112 Resp: 155349
Ion Ratio Lower Upper
112 100
77 71.7 57.4 86.0
114 30.4 27.4 33.4



#58
Ethyl Benzene
Concen: 9.853 ppbv
RT: 9.354 min Scan# 2863
Delta R.T. 0.000 min
Lab File: VL041752.D
Acq: 16 Dec 2024 13:30

Tgt Ion: 91 Resp: 289734
Ion Ratio Lower Upper
91 100
106 29.4 23.5 35.3





#59

m/p-Xylene

Concen: 9.713 ppbv

RT: 9.549 min Scan# 2923

Delta R.T. 0.000 min

Lab File: VL041752.D

Acq: 16 Dec 2024 13:30

Instrument :

MSVOA_L

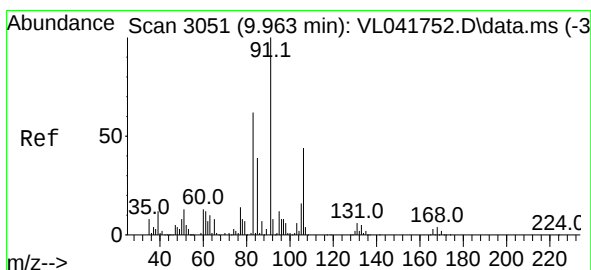
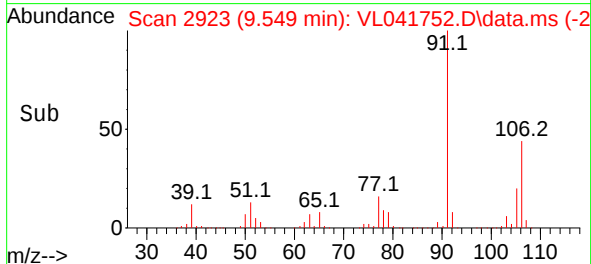
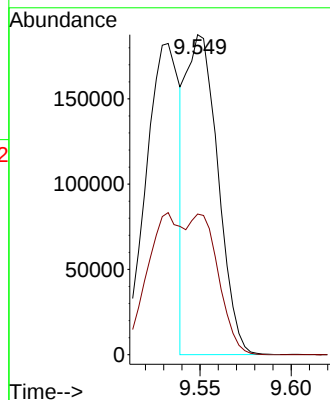
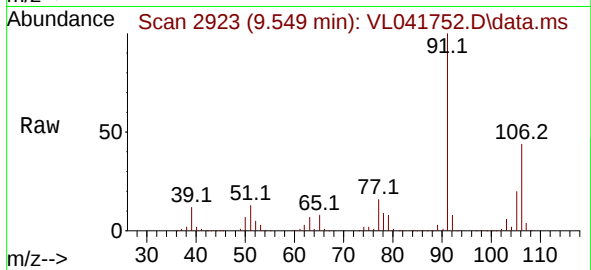
ClientSampleId :

Tgt Ion: 91 Resp: 229713

Ion Ratio Lower Upper

91 100

106 0.0 0.0 0.0



#60

o-Xylene

Concen: 9.789 ppbv

RT: 9.963 min Scan# 3051

Delta R.T. 0.000 min

Lab File: VL041752.D

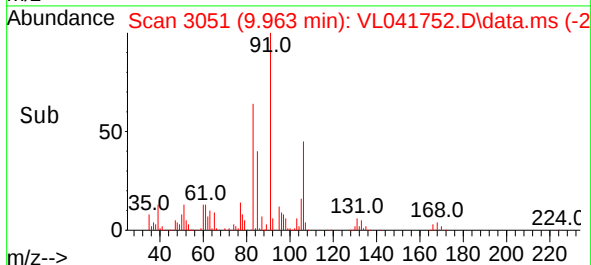
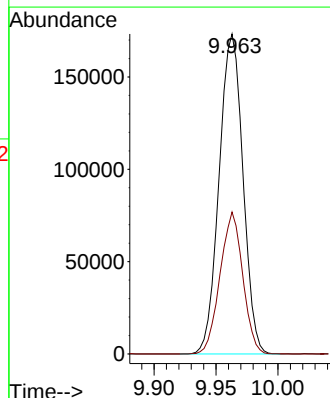
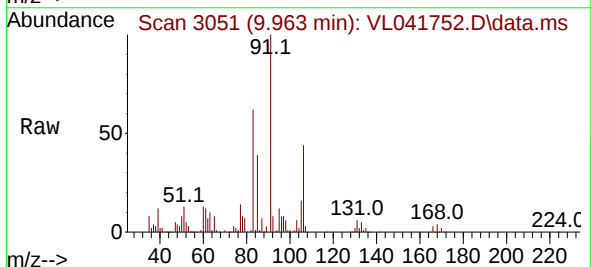
Acq: 16 Dec 2024 13:30

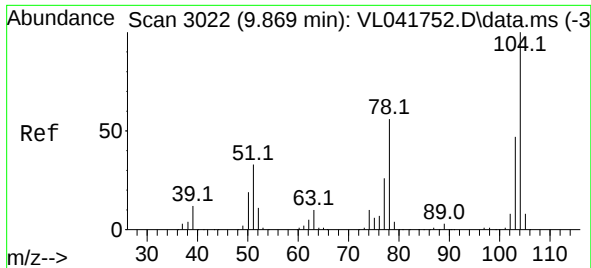
Tgt Ion: 91 Resp: 232101

Ion Ratio Lower Upper

91 100

106 42.3 21.1 63.4

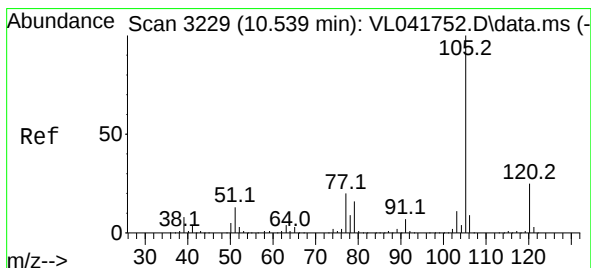
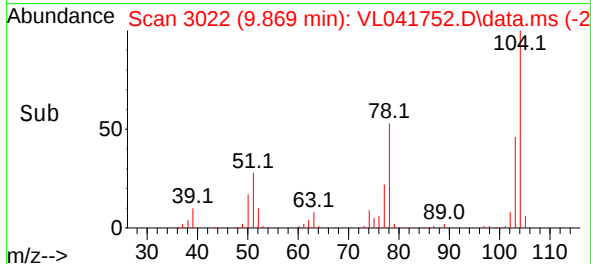
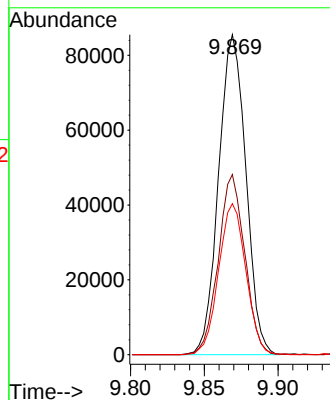
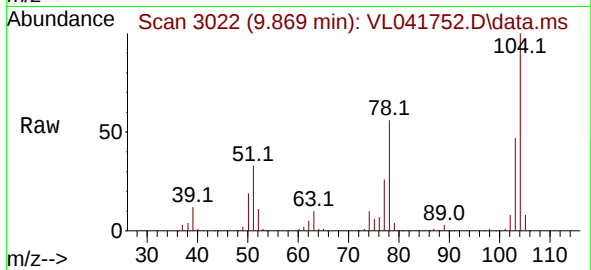




#61
Styrene
Concen: 10.733 ppbv
RT: 9.869 min Scan# 3022
Delta R.T. 0.000 min
Lab File: VL041752.D
Acq: 16 Dec 2024 13:30

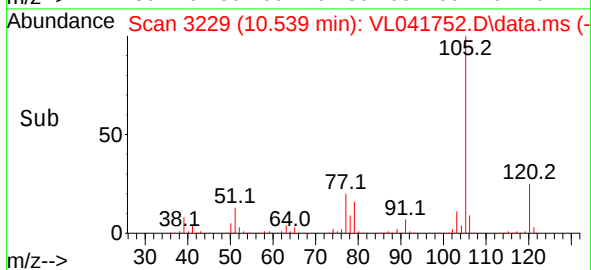
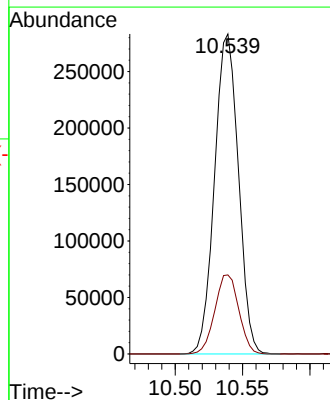
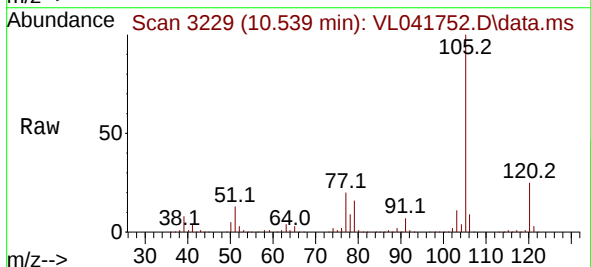
Instrument :
MSVOA_L
ClientSampleId :

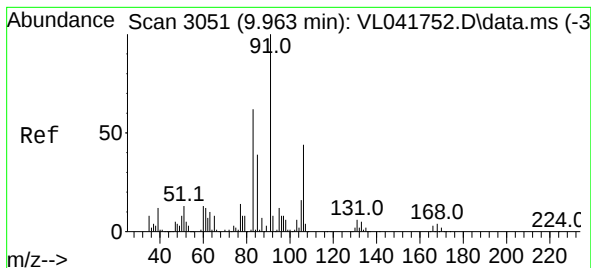
Tgt Ion:104 Resp: 110041
Ion Ratio Lower Upper
104 100
78 54.7 43.8 65.6
103 47.2 37.8 56.6



#62
Isopropylbenzene
Concen: 9.788 ppbv
RT: 10.539 min Scan# 3229
Delta R.T. 0.000 min
Lab File: VL041752.D
Acq: 16 Dec 2024 13:30

Tgt Ion:105 Resp: 348684
Ion Ratio Lower Upper
105 100
120 24.8 19.8 29.8





#63

1,1,2,2-Tetrachloroethane

Concen: 9.255 ppbv

RT: 9.963 min Scan# 3051

Delta R.T. 0.000 min

Lab File: VL041752.D

Acq: 16 Dec 2024 13:30

Instrument :

MSVOA_L

ClientSampleId :

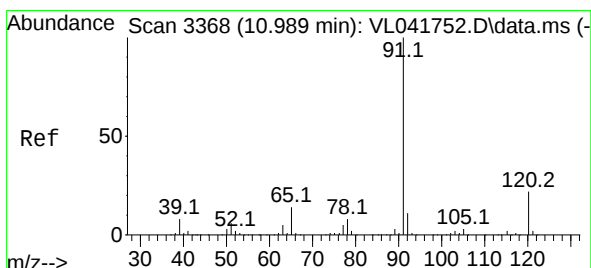
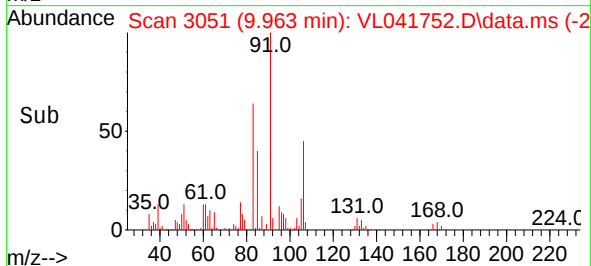
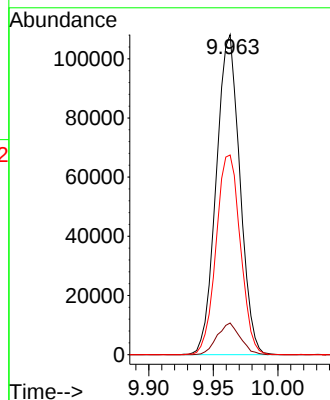
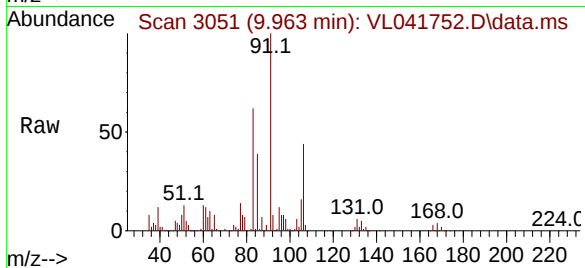
Tgt Ion: 83 Resp: 137363

Ion Ratio Lower Upper

83 100

131 9.8 4.9 14.7

85 64.1 32.0 96.2



#64

n-propylbenzene

Concen: 9.700 ppbv

RT: 10.989 min Scan# 3368

Delta R.T. 0.000 min

Lab File: VL041752.D

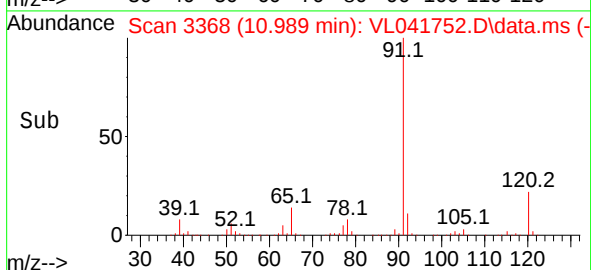
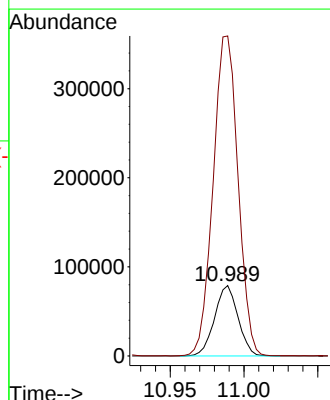
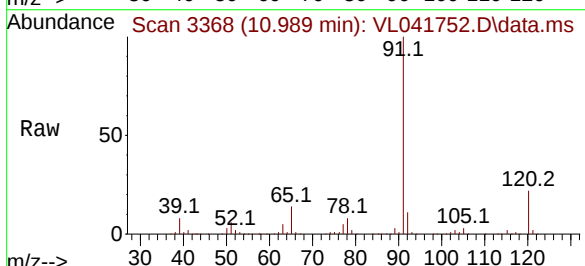
Acq: 16 Dec 2024 13:30

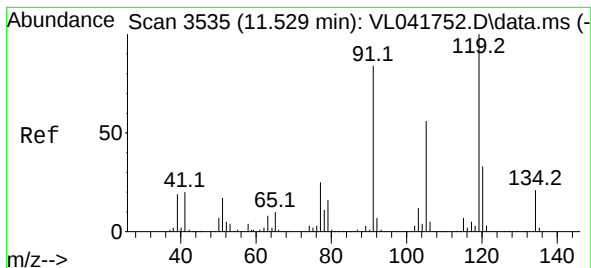
Tgt Ion:120 Resp: 87360

Ion Ratio Lower Upper

120 100

91 484.1 387.3 580.9





#65

tert-Butylbenzene

Concen: 9.615 ppbv

RT: 11.529 min Scan# 3535

Delta R.T. 0.000 min

Lab File: VL041752.D

Acq: 16 Dec 2024 13:30

Instrument :

MSVOA_L

ClientSampleId :

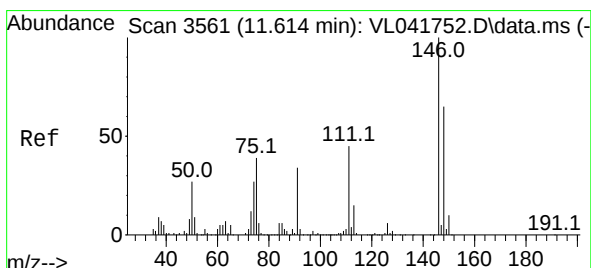
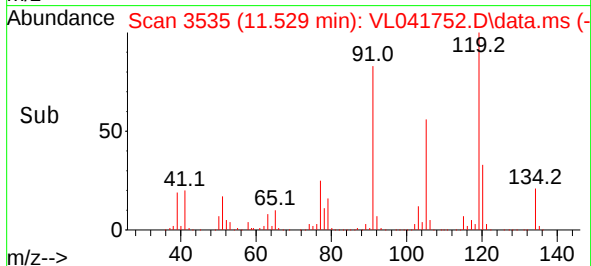
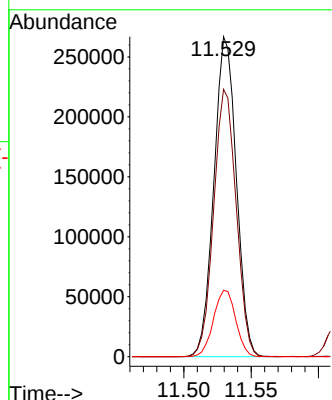
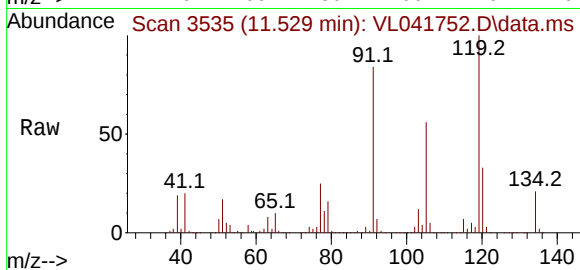
Tgt Ion:119 Resp: 309036

Ion Ratio Lower Upper

119 100

91 83.7 67.0 100.4

134 20.6 16.5 24.7



#66

Benzyl Chloride

Concen: 10.954 ppbv

RT: 11.614 min Scan# 3561

Delta R.T. 0.000 min

Lab File: VL041752.D

Acq: 16 Dec 2024 13:30

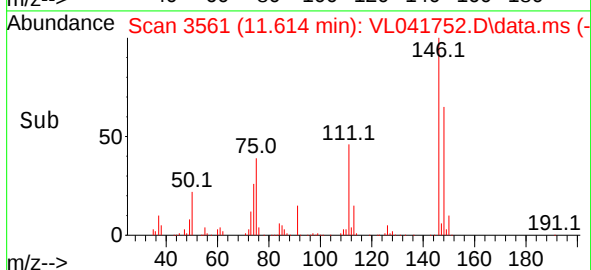
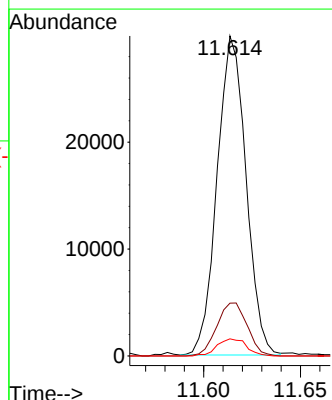
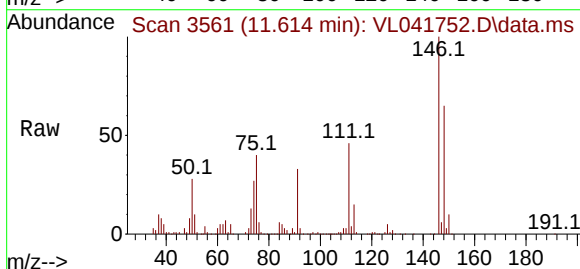
Tgt Ion: 91 Resp: 31039

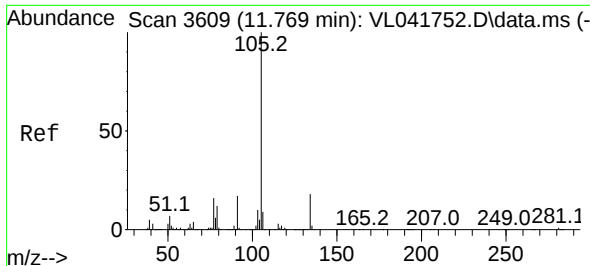
Ion Ratio Lower Upper

91 100

126 17.4 13.9 20.9

128 5.5 4.4 6.6

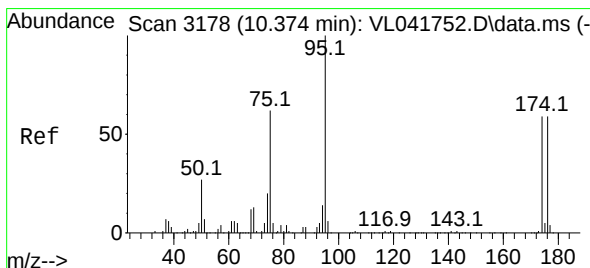
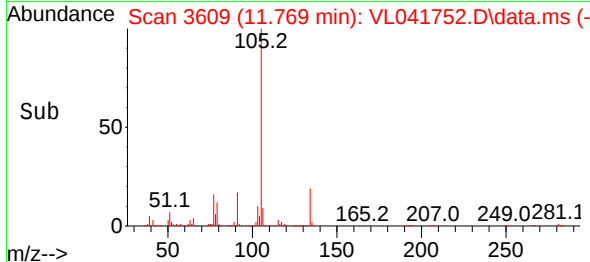
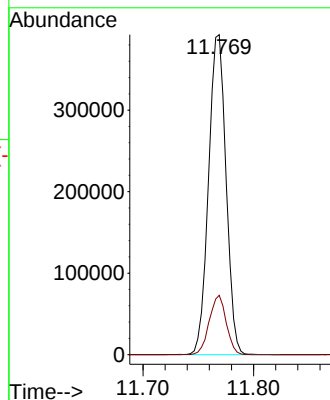
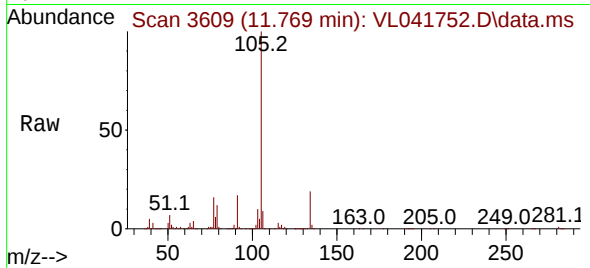




#67
 sec-Butylbenzene
 Concen: 9.687 ppbv
 RT: 11.769 min Scan# 3609
 Delta R.T. 0.000 min
 Lab File: VL041752.D
 Acq: 16 Dec 2024 13:30

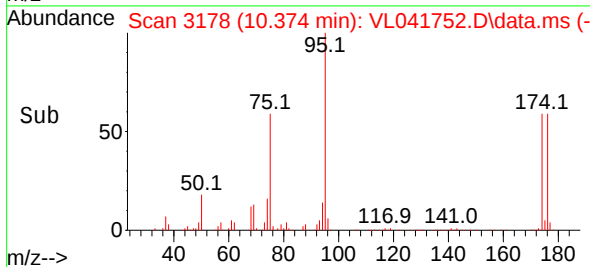
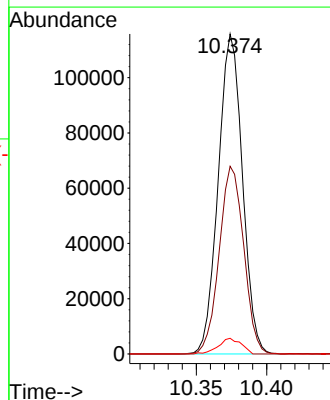
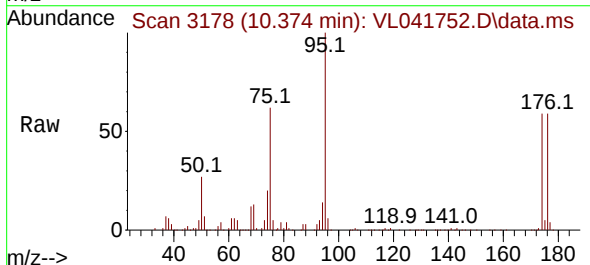
Instrument :
 MSVOA_L
 ClientSampleId :

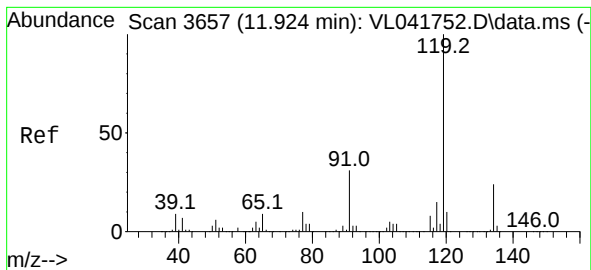
Tgt Ion:105 Resp: 430810
 Ion Ratio Lower Upper
 105 100
 134 18.1 14.5 21.7



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.172 ppbv
 RT: 10.374 min Scan# 3178
 Delta R.T. 0.000 min
 Lab File: VL041752.D
 Acq: 16 Dec 2024 13:30

Tgt Ion: 95 Resp: 138451
 Ion Ratio Lower Upper
 95 100
 174 59.5 47.6 71.4
 175 4.6 3.7 5.5





#69

p-Isopropyltoluene

Concen: 9.906 ppbv

RT: 11.924 min Scan# 3657

Delta R.T. 0.000 min

Lab File: VL041752.D

Acq: 16 Dec 2024 13:30

Instrument :

MSVOA_L

ClientSampleId :

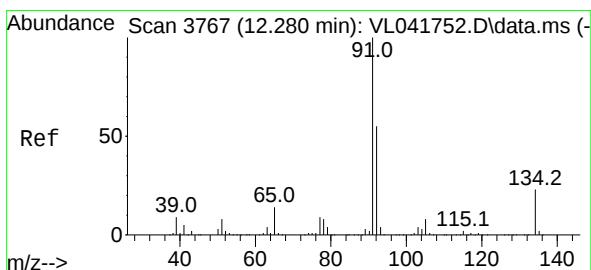
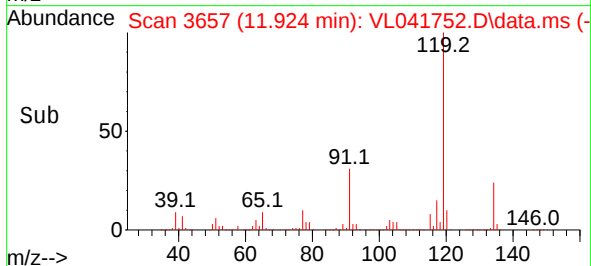
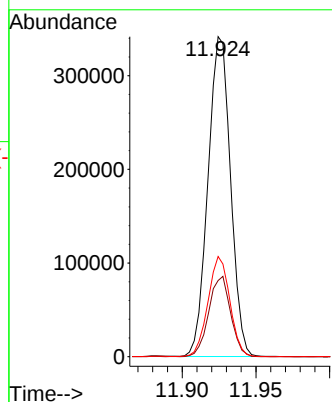
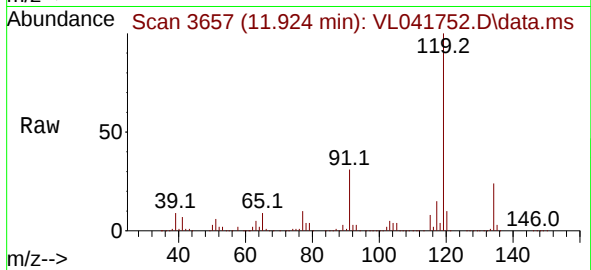
Tgt Ion:119 Resp: 363072

Ion Ratio Lower Upper

119 100

134 24.5 19.6 29.4

91 30.5 24.4 36.6



#70

n-Butylbenzene

Concen: 10.137 ppbv

RT: 12.280 min Scan# 3767

Delta R.T. 0.000 min

Lab File: VL041752.D

Acq: 16 Dec 2024 13:30

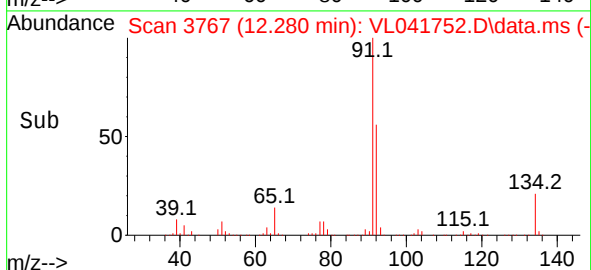
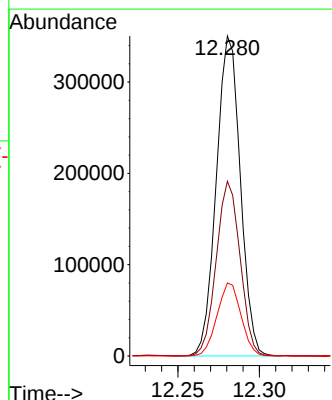
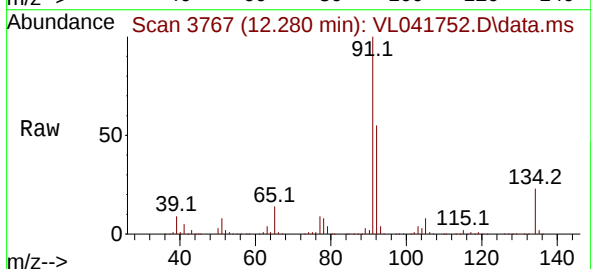
Tgt Ion: 91 Resp: 358993

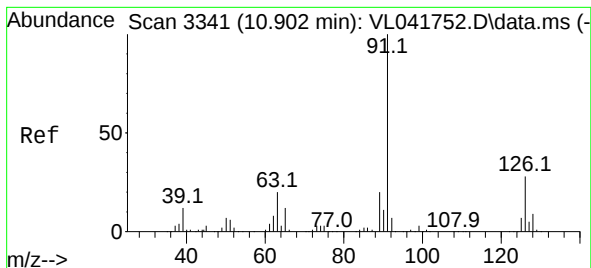
Ion Ratio Lower Upper

91 100

92 54.0 43.2 64.8

134 22.8 18.2 27.4





#71

2-Chlorotoluene

Concen: 9.708 ppbv

RT: 10.902 min Scan# 3341

Delta R.T. 0.000 min

Lab File: VL041752.D

Acq: 16 Dec 2024 13:30

Instrument :

MSVOA_L

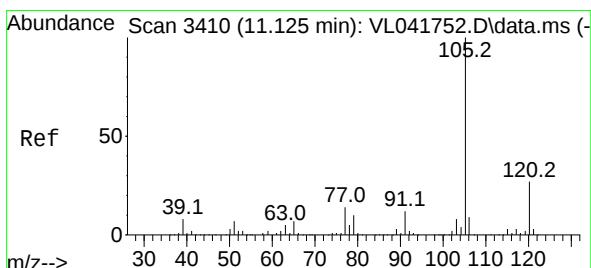
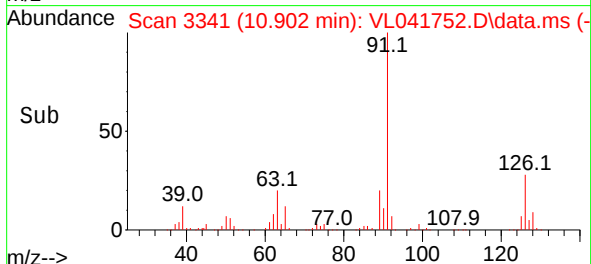
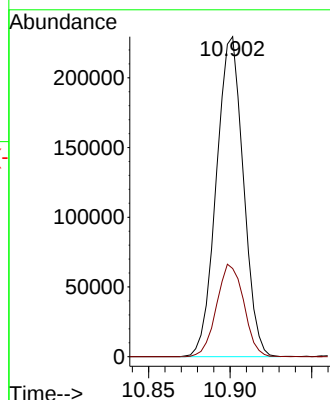
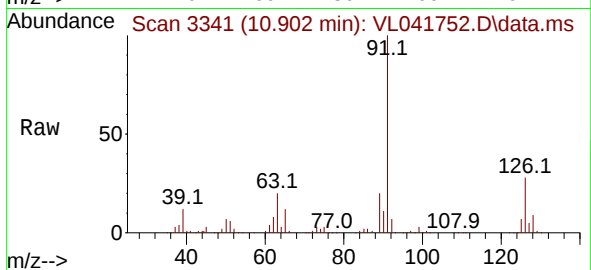
ClientSampleId :

Tgt Ion: 91 Resp: 264002

Ion Ratio Lower Upper

91 100

126 29.0 11.6 46.4



#72

4-Ethyltoluene

Concen: 10.120 ppbv

RT: 11.125 min Scan# 3410

Delta R.T. 0.000 min

Lab File: VL041752.D

Acq: 16 Dec 2024 13:30

Tgt Ion:105 Resp: 282698

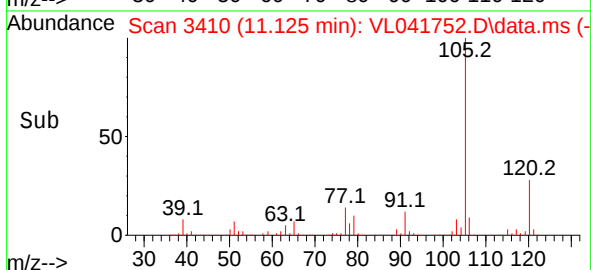
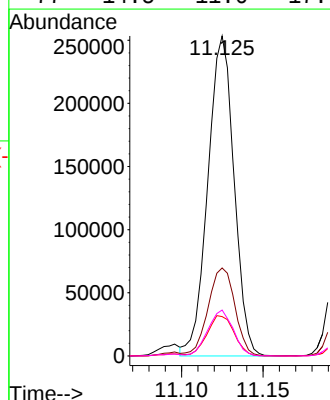
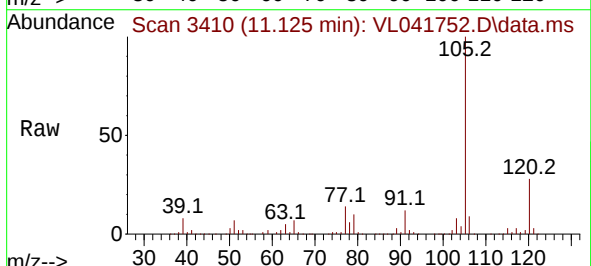
Ion Ratio Lower Upper

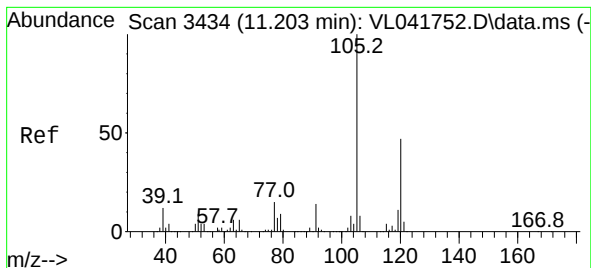
105 100

120 29.1 23.3 34.9

91 13.6 10.9 16.3

77 14.5 11.6 17.4





#73

1,3,5-Trimethylbenzene

Concen: 10.304 ppbv

RT: 11.203 min Scan# 3434

Delta R.T. 0.000 min

Lab File: VL041752.D

Acq: 16 Dec 2024 13:30

Instrument :

MSVOA_L

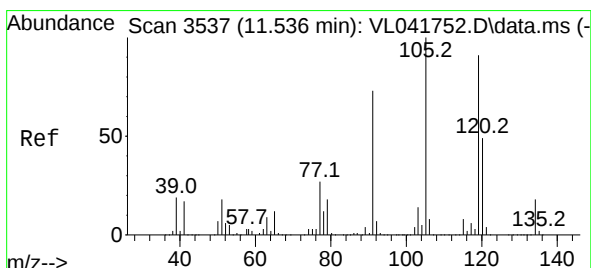
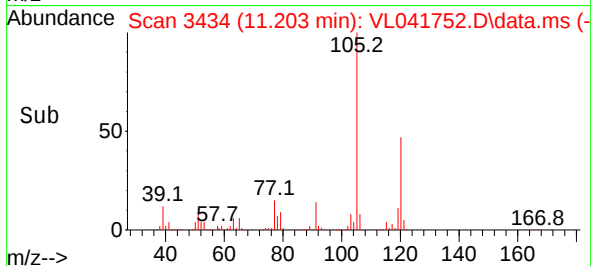
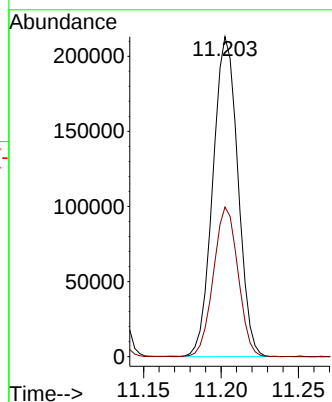
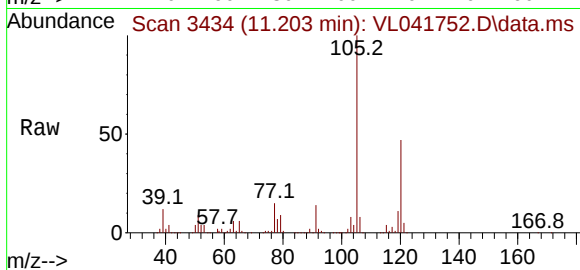
ClientSampleId :

Tgt Ion:105 Resp: 239261

Ion Ratio Lower Upper

105 100

120 46.8 37.4 56.2



#74

1,2,4-Trimethylbenzene

Concen: 10.244 ppbv

RT: 11.536 min Scan# 3537

Delta R.T. 0.000 min

Lab File: VL041752.D

Acq: 16 Dec 2024 13:30

Tgt Ion:105 Resp: 255780

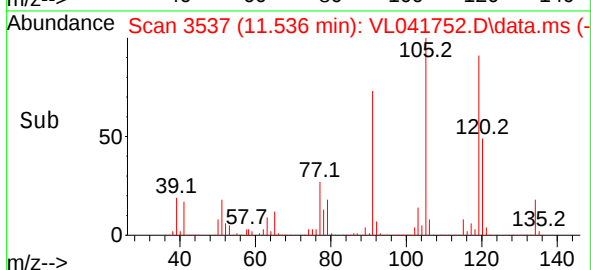
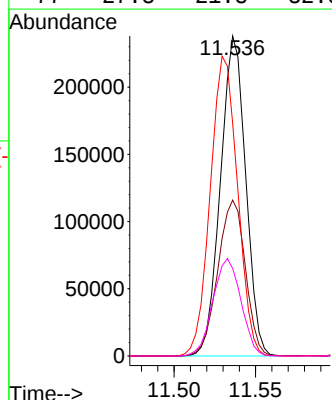
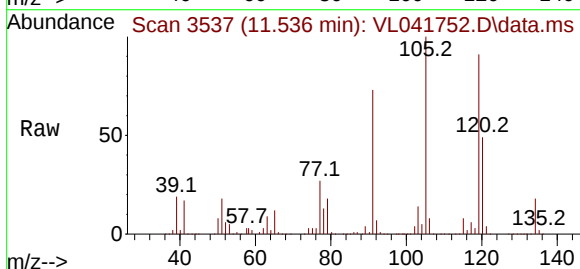
Ion Ratio Lower Upper

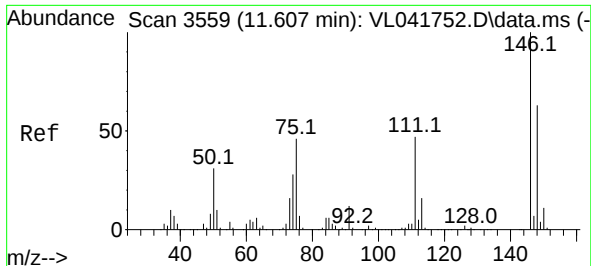
105 100

120 48.7 39.0 58.4

91 72.6 58.1 87.1

77 27.3 21.8 32.8





#75

1,3-Dichlorobenzene

Concen: 9.532 ppbv

RT: 11.607 min Scan# 3559

Delta R.T. 0.000 min

Lab File: VL041752.D

Acq: 16 Dec 2024 13:30

Instrument :

MSVOA_L

ClientSampleId :

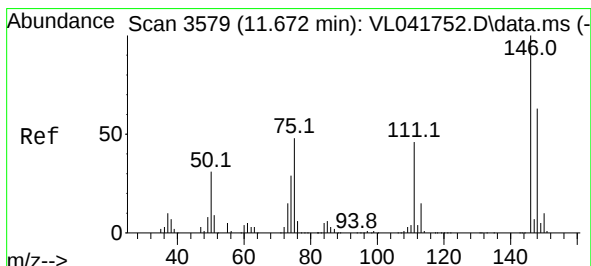
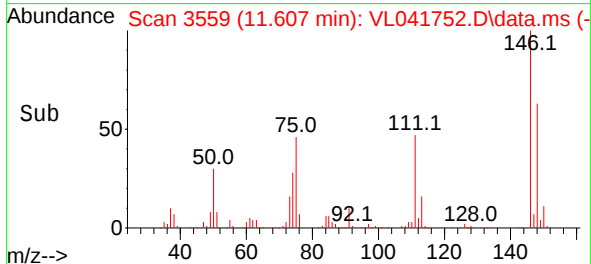
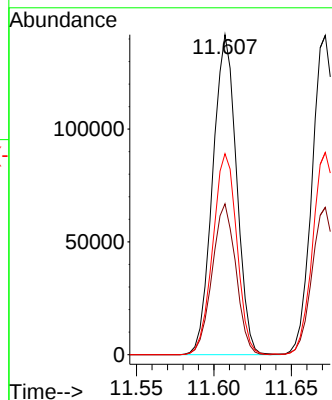
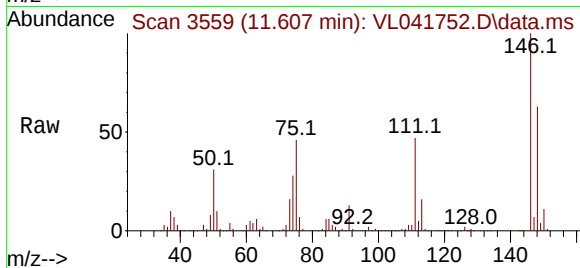
Tgt Ion:146 Resp: 151752

Ion Ratio Lower Upper

146 100

111 46.9 23.4 70.3

148 63.3 31.6 95.0



#76

1,4-Dichlorobenzene

Concen: 9.671 ppbv

RT: 11.672 min Scan# 3579

Delta R.T. 0.000 min

Lab File: VL041752.D

Acq: 16 Dec 2024 13:30

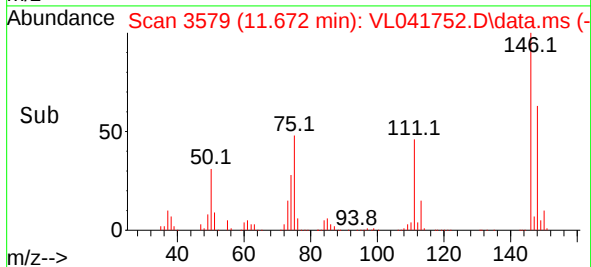
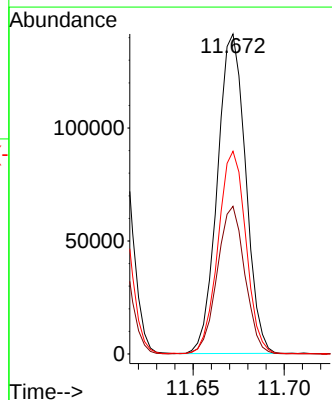
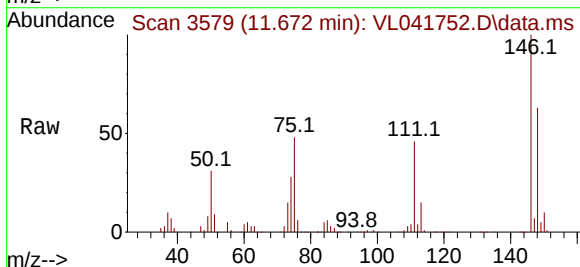
Tgt Ion:146 Resp: 152099

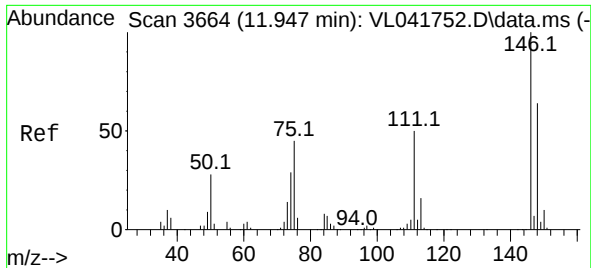
Ion Ratio Lower Upper

146 100

111 45.4 22.7 68.1

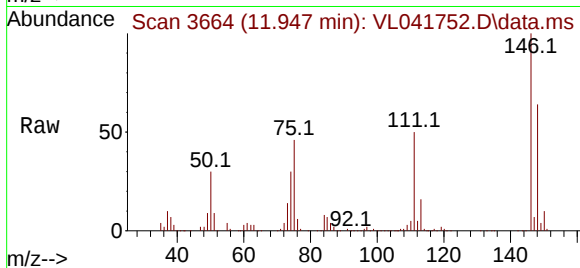
148 62.7 31.4 94.0



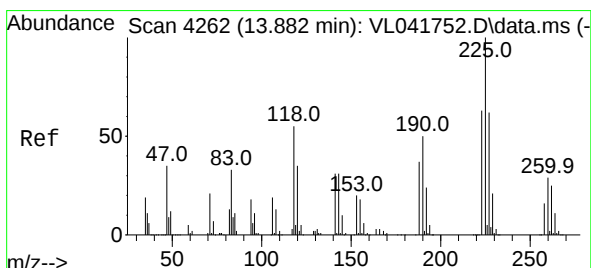
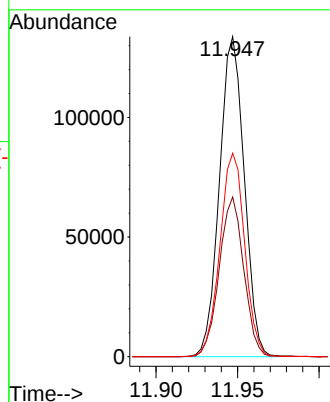
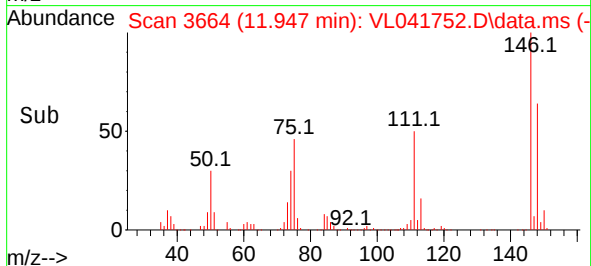


#77
1,2-Dichlorobenzene
Concen: 9.227 ppbv
RT: 11.947 min Scan# 3664
Delta R.T. 0.000 min
Lab File: VL041752.D
Acq: 16 Dec 2024 13:30

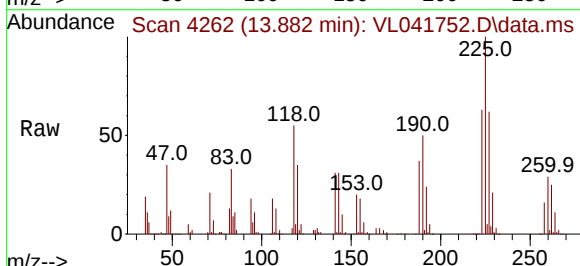
Instrument :
MSVOA_L
ClientSampleId :



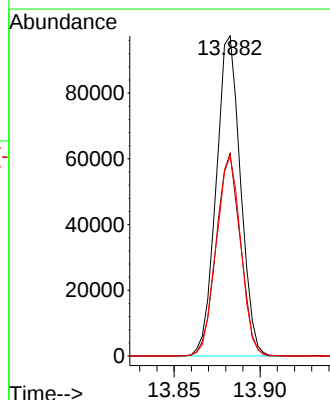
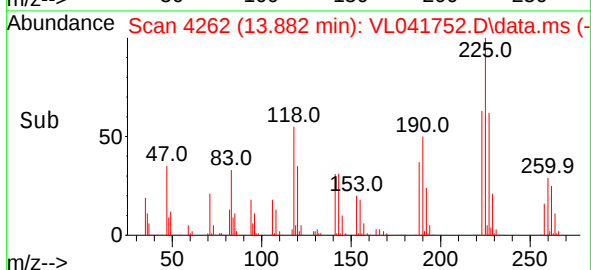
Tgt Ion:146 Resp: 141338
Ion Ratio Lower Upper
146 100
111 49.5 24.8 74.3
148 63.6 31.8 95.4

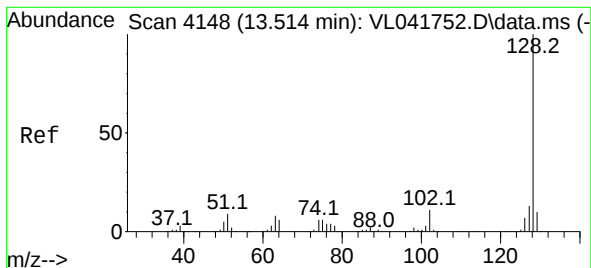


#78
Hexachloro-1,3-Butadiene
Concen: 8.431 ppbv
RT: 13.882 min Scan# 4262
Delta R.T. 0.000 min
Lab File: VL041752.D
Acq: 16 Dec 2024 13:30



Tgt Ion:225 Resp: 95751
Ion Ratio Lower Upper
225 100
223 63.1 50.5 75.7
227 62.9 50.3 75.5





#79

Naphthalene

Concen: 11.812 ppbv

RT: 13.514 min Scan# 4148

Delta R.T. 0.000 min

Lab File: VL041752.D

Acq: 16 Dec 2024 13:30

Instrument :

MSVOA_L

ClientSampleId :

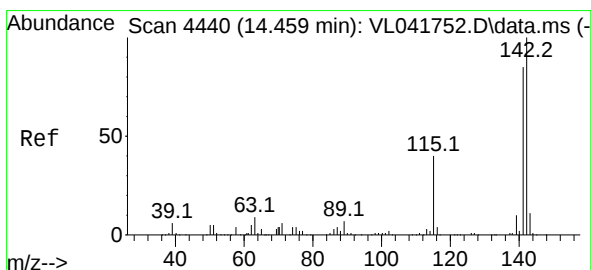
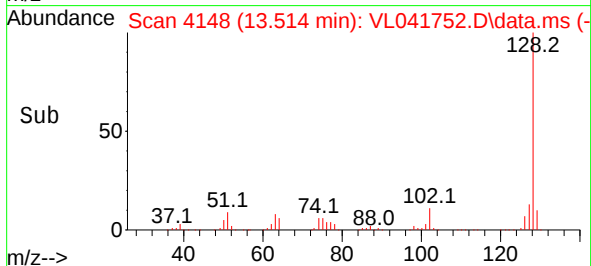
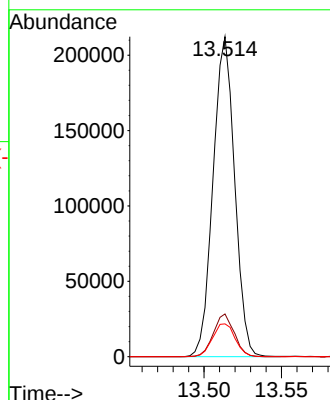
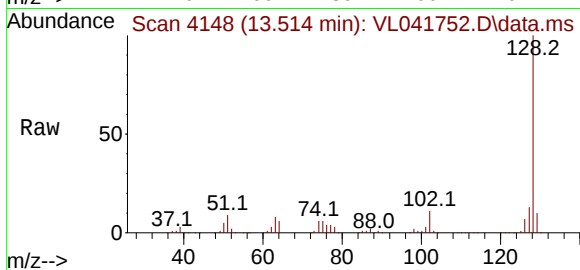
Tgt Ion:128 Resp: 205511

Ion Ratio Lower Upper

128 100

127 13.4 10.7 16.1

129 10.3 8.2 12.4



#80

Naphthalene,2-methyl-

Concen: 19.755 ppbv

RT: 14.459 min Scan# 4440

Delta R.T. 0.000 min

Lab File: VL041752.D

Acq: 16 Dec 2024 13:30

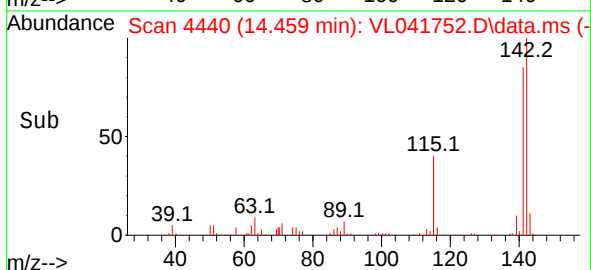
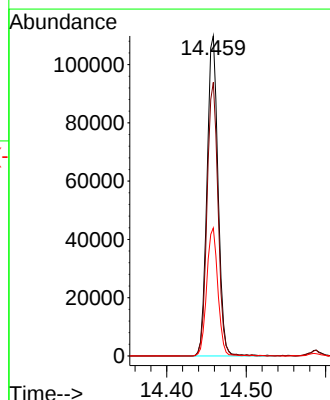
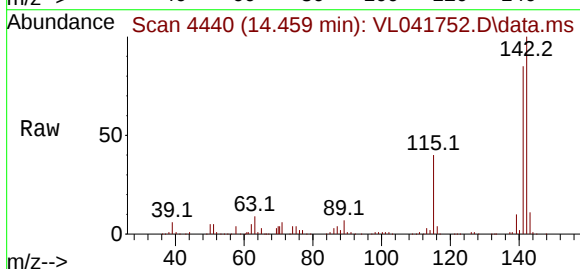
Tgt Ion:142 Resp: 106311

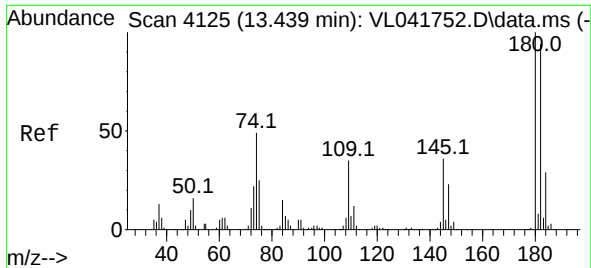
Ion Ratio Lower Upper

142 100

141 85.5 68.4 102.6

115 40.6 32.5 48.7





#81

1,2,4-Trichlorobenzene

Concen: 10.672 ppbv

RT: 13.439 min Scan# 41

Delta R.T. 0.000 min

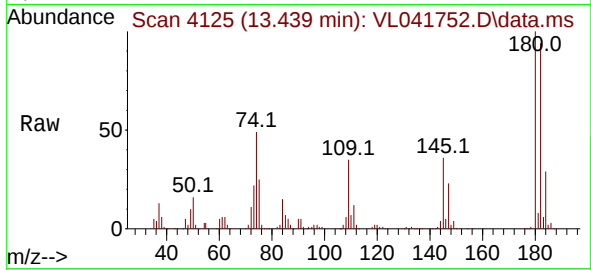
Lab File: VL041752.D

Acq: 16 Dec 2024 13:30

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion:180 Resp: 101461

Ion Ratio Lower Upper

180 100

182 96.3 77.0 115.6

184 29.8 23.8 35.8

