

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121624\
 Data File : VL041751.D
 Acq On : 16 Dec 2024 12:59
 Operator : SY/MD
 Sample : VSTDICC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Dec 19 06:11:04 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121624AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Dec 19 06:09:59 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.784	49	65522	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	179257	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.878	117	159477	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	130911	9.851	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.500%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.496	85	6290	0.540	ppbv	95
3) Chlorodifluoromethane	1.473	51	5829	0.546	ppbv	98
4) Chloromethane	1.531	50	2385	0.523	ppbv #	86
5) Vinyl Chloride	1.580	62	2144	0.467	ppbv	96
6) Bromomethane	1.667	94	1110	0.512	ppbv #	59
7) Chloroethane	1.703	64	913	0.511	ppbv #	65
8) Dichlorotetrafluoroethane	1.554	85	5291	0.507	ppbv	99
9) Propene	1.483	41	2496	0.539	ppbv	92
10) Heptane	4.981	43	5848	0.492	ppbv #	84
11) Trichlorofluoromethane	1.878	101	6614	0.534	ppbv	96
12) 1,1,2-Trichlorotrifluo...	2.136	101	4869	0.517	ppbv	98
13) Ethanol	1.719	45	504	1.309	ppbv	70
14) Bromoethene	1.780	108	1672	0.526	ppbv #	93
15) Acetone	1.835	43	8444	0.662	ppbv	93
16) 1,3-Butadiene	1.609	39	2639	0.526	ppbv	98
17) tert-Butyl alcohol	2.043	59	7140	0.565	ppbv	96
18) 1,1-Dichloroethene	2.033	96	2081	0.527	ppbv	95
19) Isopropyl Alcohol	1.887	45	5019	0.656	ppbv #	34
20) Methylene Chloride	2.059	84	2123	0.584	ppbv #	95
21) Allyl Chloride	2.098	41	3647	0.527	ppbv	93
22) trans-1,2-Dichloroethene	2.340	96	2335	0.517	ppbv	82
23) Vinyl Acetate	2.460	43	4382	0.791	ppbv #	83
24) 1,1-Dichloroethane	2.405	63	4914	0.537	ppbv	98
25) Ethyl Acetate	2.839	43	12380	0.520	ppbv	97
26) Hexane	2.826	57	4713	0.524	ppbv	98
27) Carbon Disulfide	2.149	76	3927	0.484	ppbv #	1
28) Methyl tert-Butyl Ether	2.441	73	3810	0.522	ppbv	91
29) Chloroform	2.845	83	7165	0.522	ppbv	98
30) Cyclohexane	3.858	84	3944	0.515	ppbv	97
31) cis-1,2-Dichloroethene	2.719	61	4957	0.533	ppbv	93
32) 1,1,1-Trichloroethane	3.370	97	7096	0.520	ppbv	99
34) 2-Butanone	2.560	43	7780	0.539	ppbv	98
35) Carbon Tetrachloride	3.755	117	2797	0.220	ppbv	92
36) Benzene	3.654	78	9514	0.513	ppbv	97
37) 1,2-Dichloroethane	3.217	62	6284	0.545	ppbv	98
38) Trichloroethene	4.545	130	2971	0.381	ppbv	92
39) 1,2-Dichloropropane	4.311	63	3628	0.541	ppbv #	83
40) 1,4-Dioxane	4.600	88	537	0.164	ppbv #	1
41) Tetrahydrofuran	3.065	42	4319	0.535	ppbv	98
42) Bromodichloromethane	4.489	83	5703	0.430	ppbv #	97
43) Methyl Methacrylate	4.881	69	1903	0.269	ppbv #	20
44) 2,2,4-Trimethylpentane	4.638	57	16462	0.520	ppbv	98
45) t-1,3-Dichloropropene	6.409	75	1817	0.249	ppbv	98

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

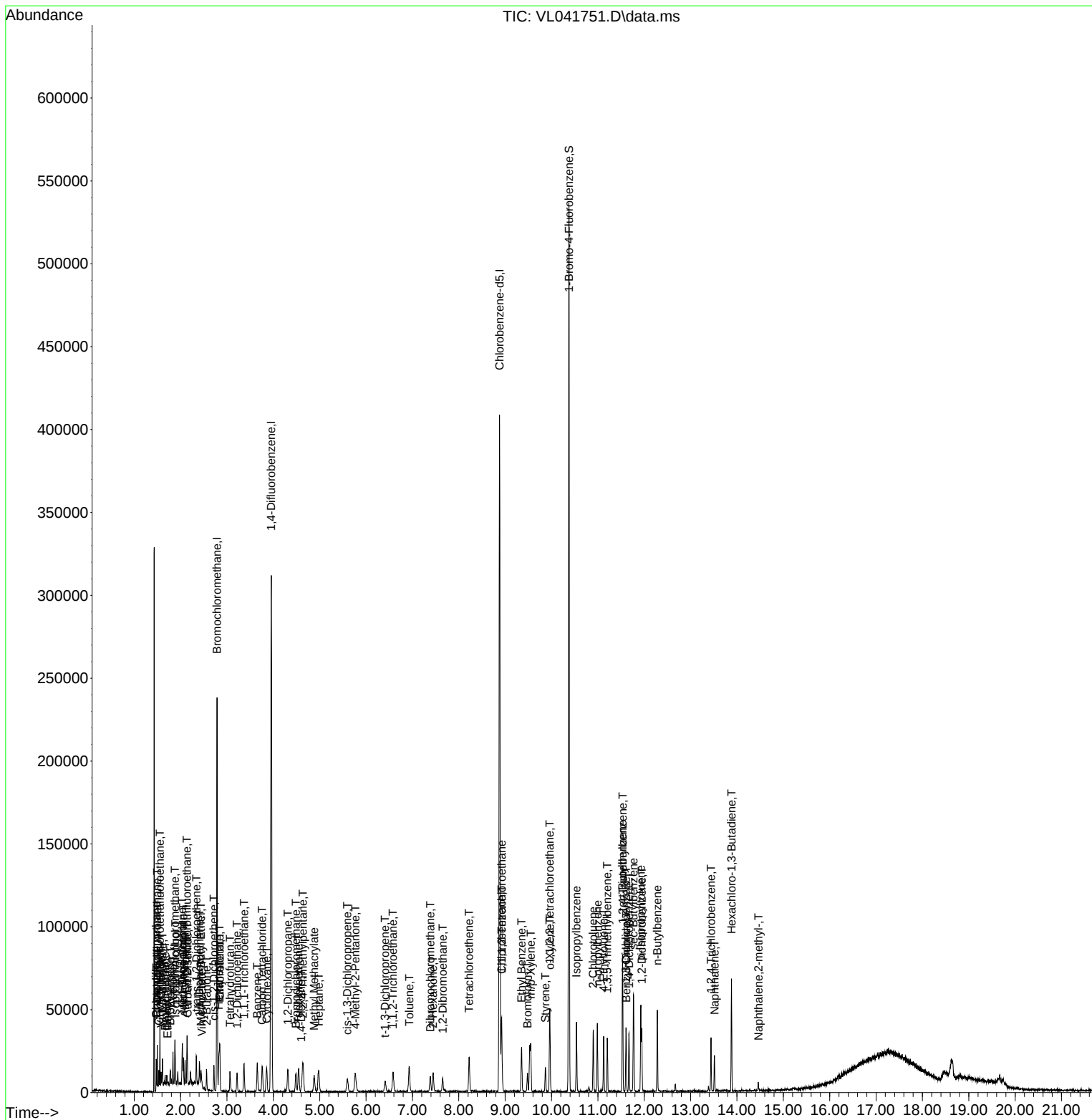
Instrument :
 MSVOA_L
 ClientSampleId :

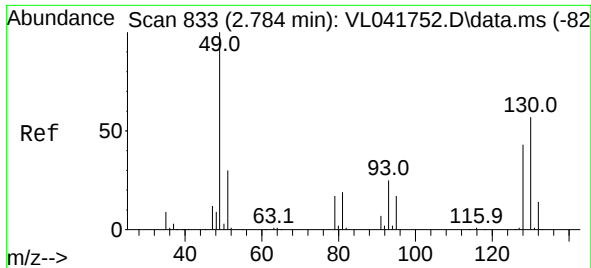
Quant Time: Dec 19 06:11:04 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121624AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Dec 19 06:09:59 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.593	75	2655	0.286	ppbv #	87
47) 1,1,2-Trichloroethane	6.580	97	3116	0.445	ppbv #	85
48) Dibromochloromethane	7.386	129	4060	0.424	ppbv	94
49) Bromoform	9.484	173	3337	0.426	ppbv	98
50) 4-Methyl-2-Pentanone	5.768	43	9781	0.498	ppbv	99
51) 2-Hexanone	7.441	43	3795	0.238	ppbv #	31
52) Tetrachloroethene	8.221	164	3489	0.506	ppbv	88
53) Toluene	6.936	91	4652	0.221	ppbv #	7
54) 1,2-Dibromoethane	7.652	107	4540	0.470	ppbv	93
56) 1,1,1,2-Tetrachloroethane	8.927	131	1867	0.221	ppbv #	1
57) Chlorobenzene	8.924	112	8615	0.528	ppbv #	96
58) Ethyl Benzene	9.354	91	15254	0.531	ppbv	98
59) m/p-Xylene	9.552	91	9984	0.432	ppbv #	100
60) o-Xylene	9.966	91	11437	0.494	ppbv	97
61) Styrene	9.869	104	4817	0.481	ppbv	98
62) Isopropylbenzene	10.539	105	17120	0.492	ppbv	97
63) 1,1,2,2-Tetrachloroethane	9.963	83	7218	0.498	ppbv	99
64) n-propylbenzene	10.992	120	4302	0.489	ppbv	98
65) tert-Butylbenzene	11.532	119	15461	0.493	ppbv	95
66) Benzyl Chloride	11.613	91	1420	0.513	ppbv #	96
67) sec-Butylbenzene	11.769	105	21894	0.504	ppbv	100
69) p-Isopropyltoluene	11.927	119	17188	0.480	ppbv	96
70) n-Butylbenzene	12.280	91	16790	0.486	ppbv	98
71) 2-Chlorotoluene	10.898	91	13493	0.508	ppbv	96
72) 4-Ethyltoluene	11.125	105	12131	0.445	ppbv #	94
73) 1,3,5-Trimethylbenzene	11.202	105	11333	0.500	ppbv	94
74) 1,2,4-Trimethylbenzene	11.536	105	11910	0.489	ppbv #	89
75) 1,3-Dichlorobenzene	11.607	146	8054	0.518	ppbv	96
76) 1,4-Dichlorobenzene	11.672	146	7902	0.515	ppbv	99
77) 1,2-Dichlorobenzene	11.947	146	8061	0.539	ppbv	96
78) Hexachloro-1,3-Butadiene	13.882	225	6237	0.562	ppbv	98
79) Naphthalene	13.516	128	9069	0.534	ppbv #	95
80) Naphthalene,2-methyl-	14.465	142	1447	0.275	ppbv	96
81) 1,2,4-Trichlorobenzene	13.442	180	4729	0.509	ppbv	96

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

Quant Time: Dec 19 06:11:04 2024
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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
Response via : Initial Calibration

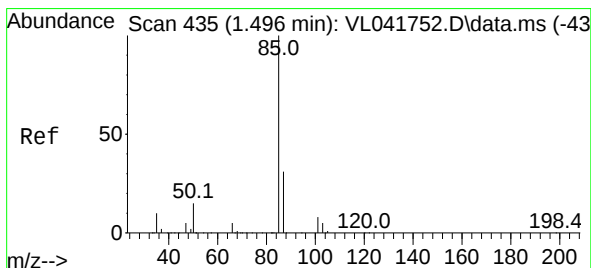
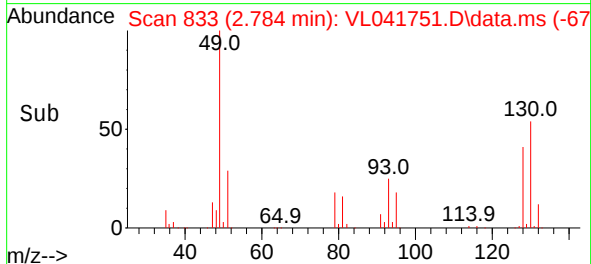
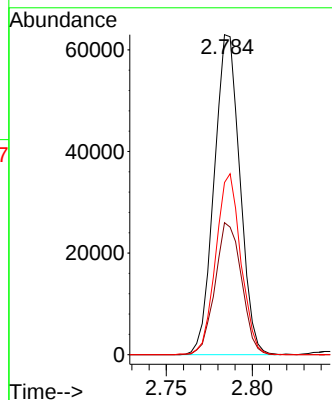
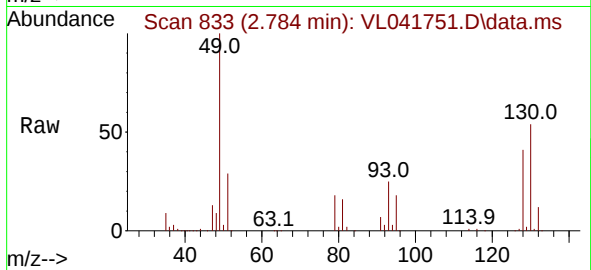




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 833
Delta R.T. -0.000 min
Lab File: VL041751.D
Acq: 16 Dec 2024 12:59

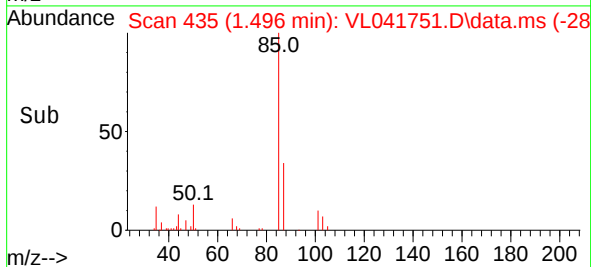
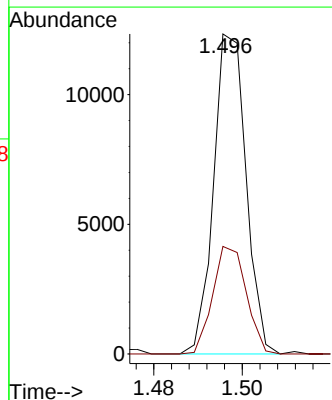
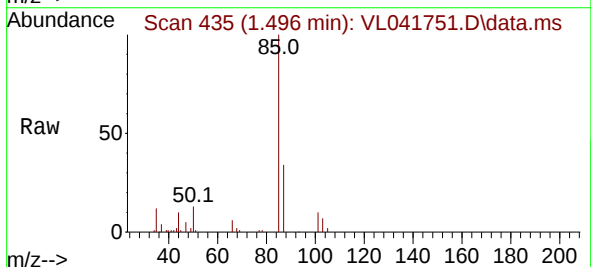
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MSVOA_L
ClientSampleId :

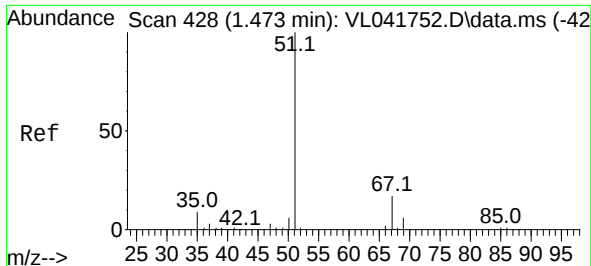
Tgt Ion: 49 Resp: 65522
Ion Ratio Lower Upper
49 100
128 42.3 21.6 64.6
130 55.2 28.3 85.0



#2
Dichlorodifluoromethane
Concen: 0.540 ppbv
RT: 1.496 min Scan# 435
Delta R.T. -0.000 min
Lab File: VL041751.D
Acq: 16 Dec 2024 12:59

Tgt Ion: 85 Resp: 6290
Ion Ratio Lower Upper
85 100
87 33.6 24.5 36.7

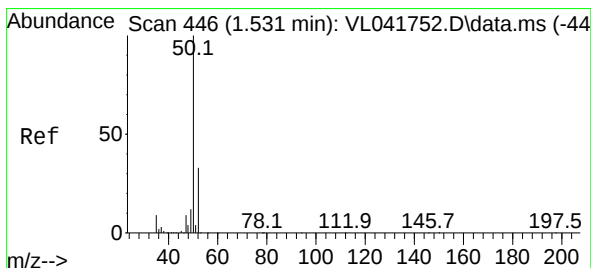
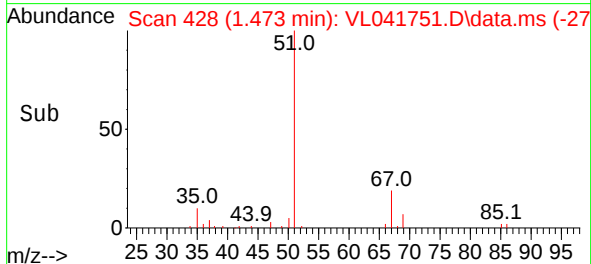
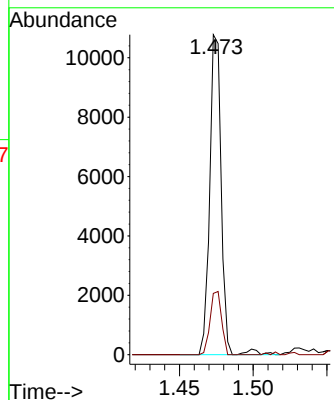
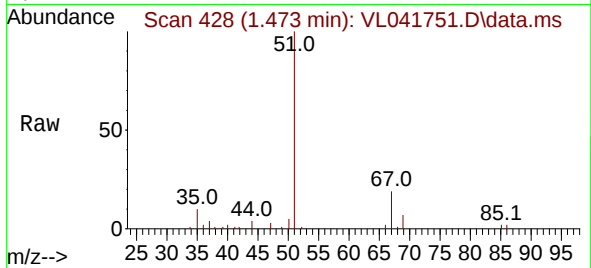




#3
Chlorodifluoromethane
Concen: 0.546 ppbv
RT: 1.473 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL041751.D
Acq: 16 Dec 2024 12:59

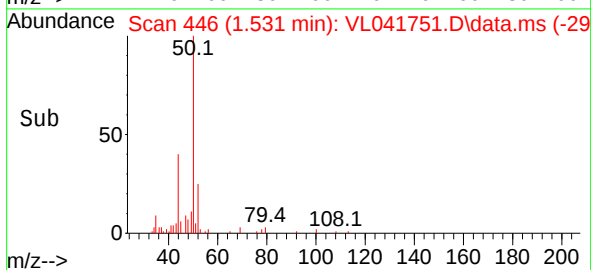
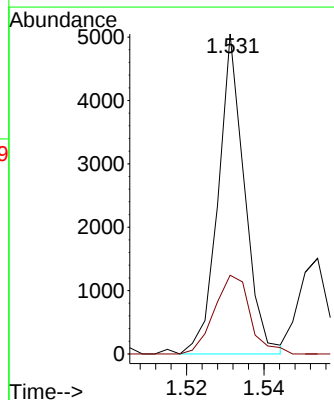
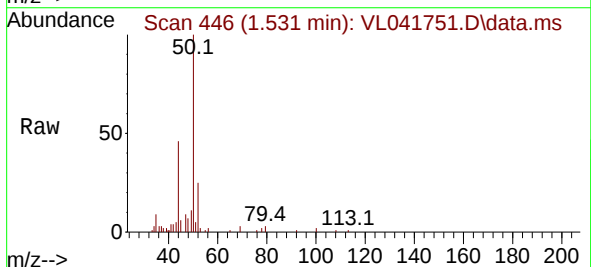
Instrument :
MSVOA_L
ClientSampleId :

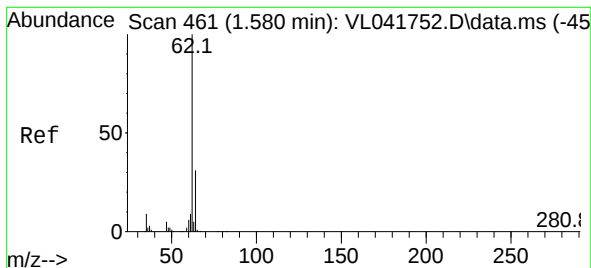
Tgt Ion: 51 Resp: 5829
Ion Ratio Lower Upper
51 100
67 19.5 15.0 22.4



#4
Chloromethane
Concen: 0.523 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL041751.D
Acq: 16 Dec 2024 12:59

Tgt Ion: 50 Resp: 2385
Ion Ratio Lower Upper
50 100
52 24.6 26.2 39.2#





#5

Vinyl Chloride

Concen: 0.467 ppbv

RT: 1.580 min Scan# 4

Delta R.T. -0.000 min

Lab File: VL041751.D

Acq: 16 Dec 2024 12:59

Instrument :

MSVOA_L

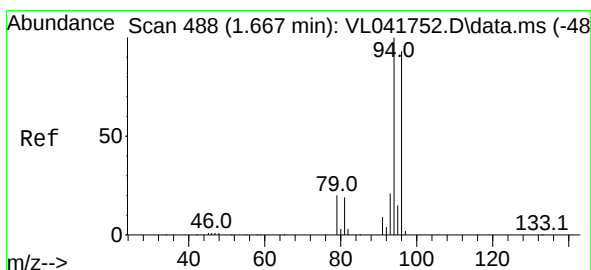
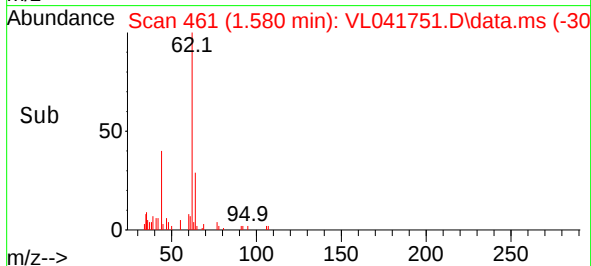
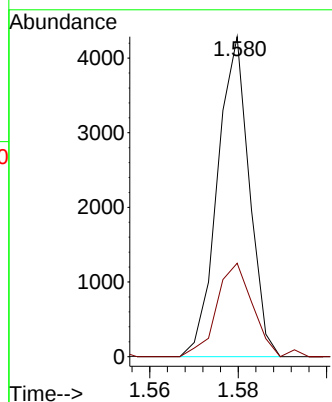
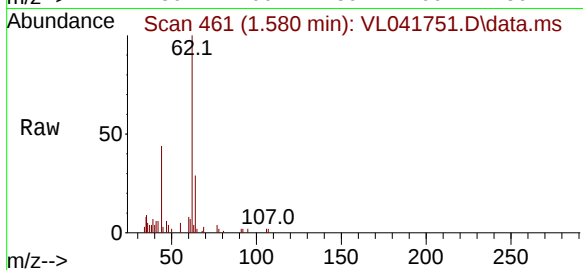
ClientSampleId :

Tgt Ion: 62 Resp: 2144

Ion Ratio Lower Upper

62 100

64 29.2 25.1 37.7



#6

Bromomethane

Concen: 0.512 ppbv

RT: 1.667 min Scan# 488

Delta R.T. -0.000 min

Lab File: VL041751.D

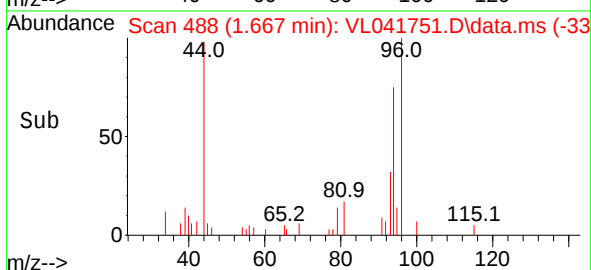
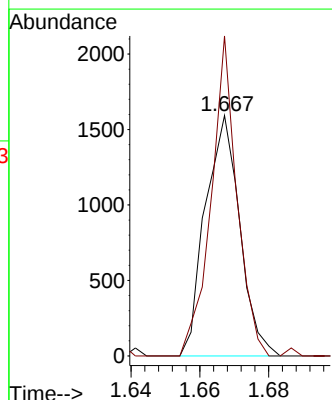
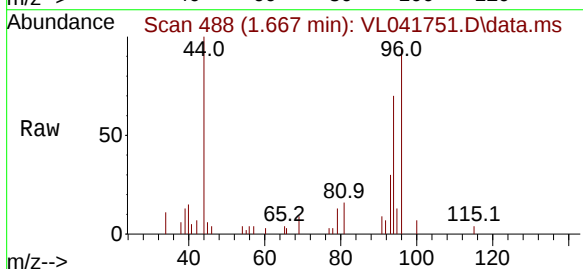
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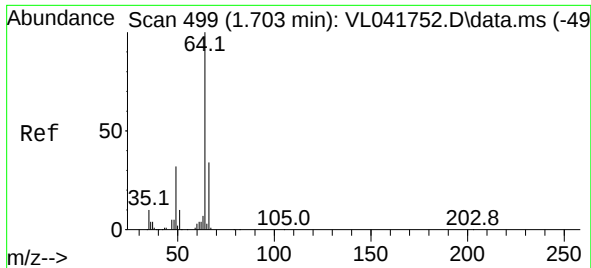
Tgt Ion: 94 Resp: 1110

Ion Ratio Lower Upper

94 100

96 133.1 74.7 112.1#

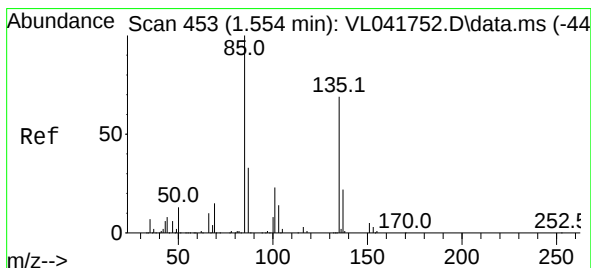
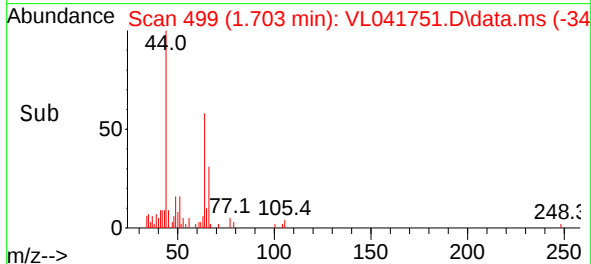
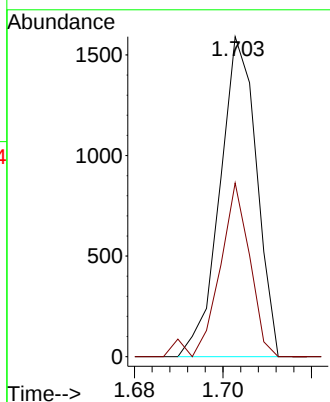
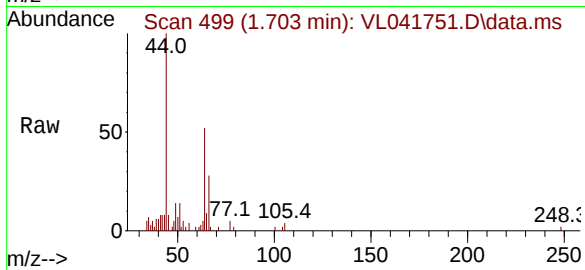




#7
Chloroethane
Concen: 0.511 ppbv
RT: 1.703 min Scan# 499
Delta R.T. -0.000 min
Lab File: VL041751.D
Acq: 16 Dec 2024 12:59

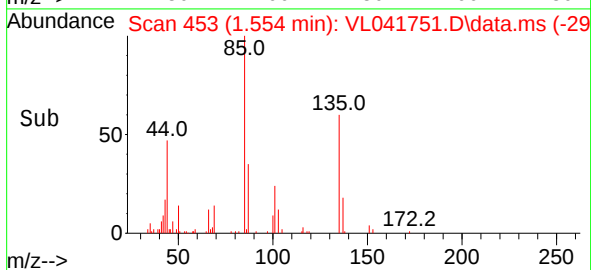
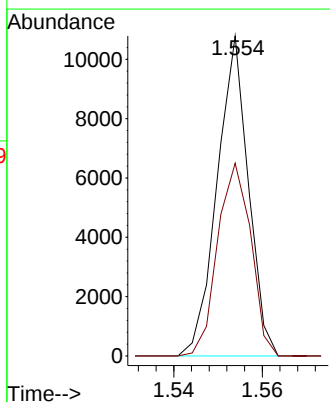
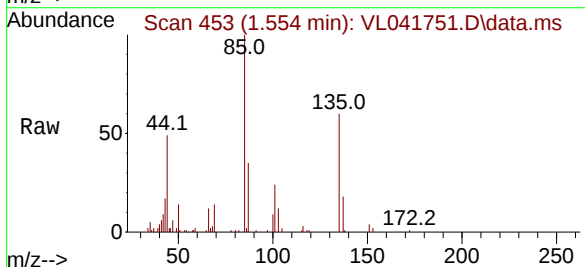
Instrument :
MSVOA_L
ClientSampleId :

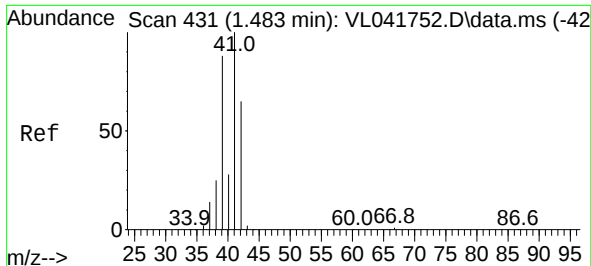
Tgt Ion: 64 Resp: 913
Ion Ratio Lower Upper
64 100
66 54.3 27.5 41.3#



#8
Dichlorotetrafluoroethane
Concen: 0.507 ppbv
RT: 1.554 min Scan# 453
Delta R.T. -0.000 min
Lab File: VL041751.D
Acq: 16 Dec 2024 12:59

Tgt Ion: 85 Resp: 5291
Ion Ratio Lower Upper
85 100
135 64.2 51.9 77.9





#9

Propene

Concen: 0.539 ppbv

RT: 1.483 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL041751.D

Acq: 16 Dec 2024 12:59

Instrument :

MSVOA_L

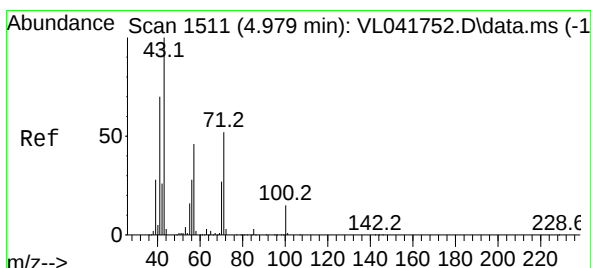
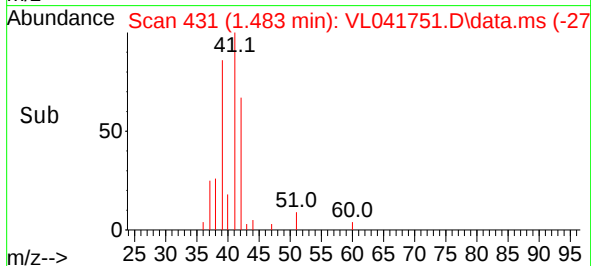
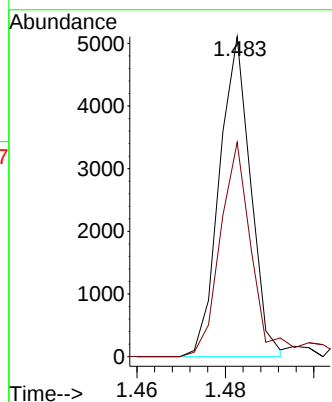
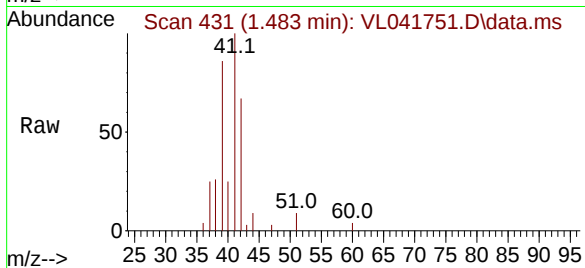
ClientSampleId :

Tgt Ion: 41 Resp: 2496

Ion Ratio Lower Upper

41 100

42 71.6 52.4 78.6



#10

Heptane

Concen: 0.492 ppbv

RT: 4.981 min Scan# 1512

Delta R.T. 0.003 min

Lab File: VL041751.D

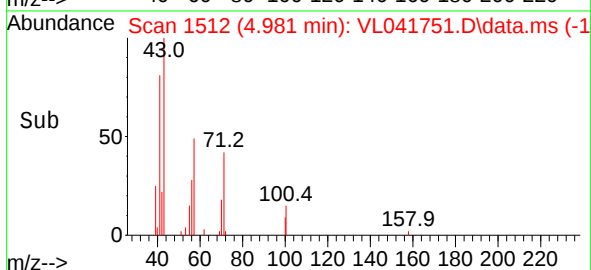
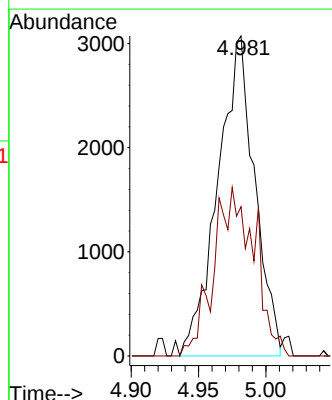
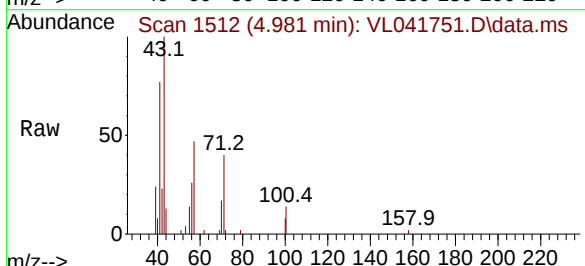
Acq: 16 Dec 2024 12:59

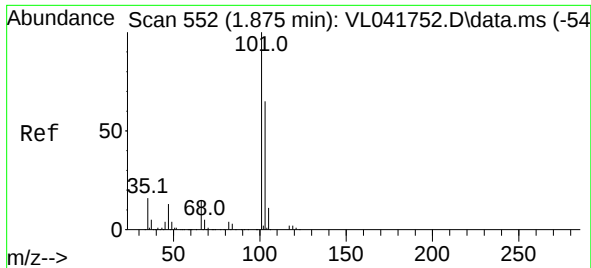
Tgt Ion: 43 Resp: 5848

Ion Ratio Lower Upper

43 100

57 58.6 38.5 57.7#





#11

Trichlorofluoromethane

Concen: 0.534 ppbv

RT: 1.878 min Scan# 51

Delta R.T. 0.003 min

Lab File: VL041751.D

Acq: 16 Dec 2024 12:59

Instrument :

MSVOA_L

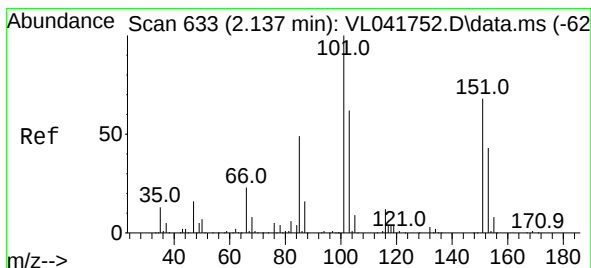
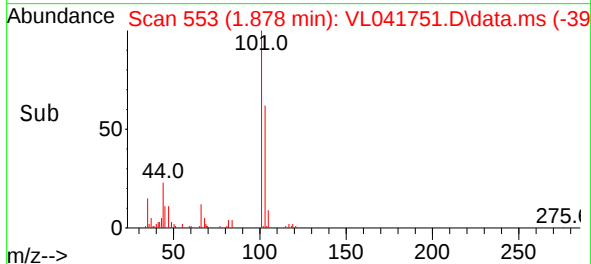
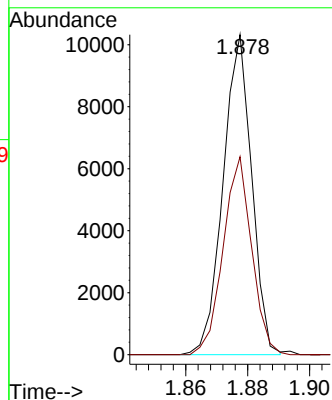
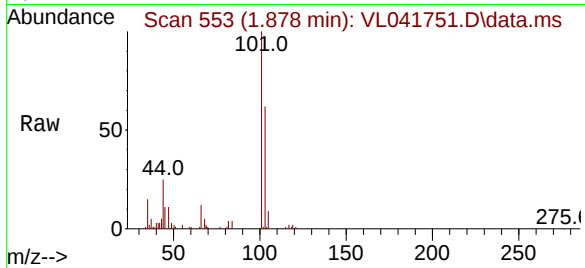
ClientSampleId :

Tgt Ion:101 Resp: 6614

Ion Ratio Lower Upper

101 100

103 61.9 51.8 77.8



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.517 ppbv

RT: 2.136 min Scan# 633

Delta R.T. -0.000 min

Lab File: VL041751.D

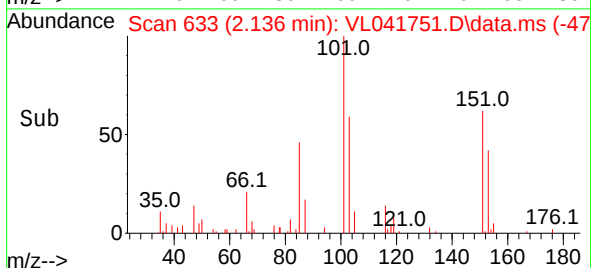
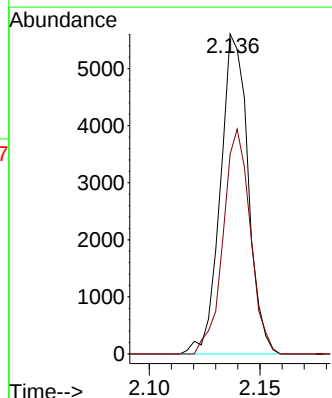
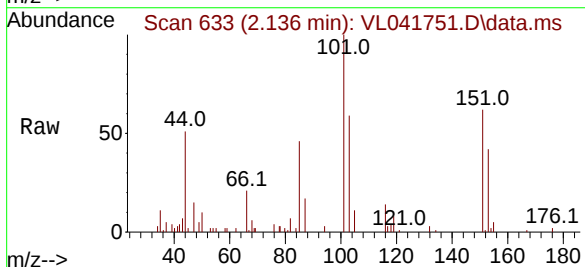
Acq: 16 Dec 2024 12:59

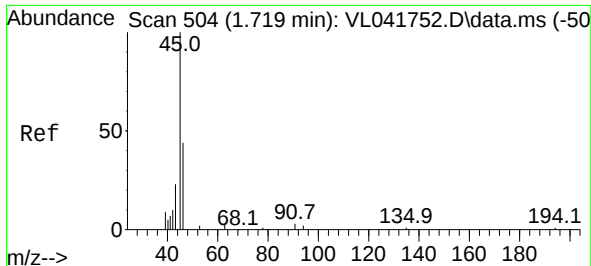
Tgt Ion:101 Resp: 4869

Ion Ratio Lower Upper

101 100

151 69.2 56.8 85.2

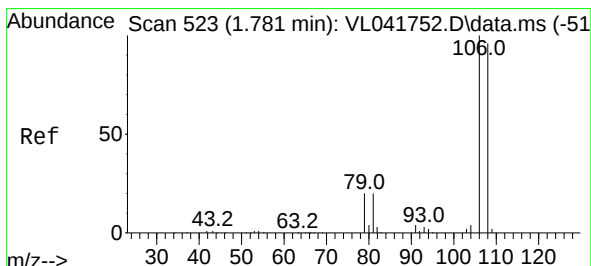
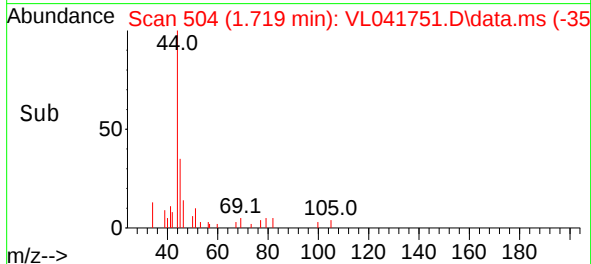
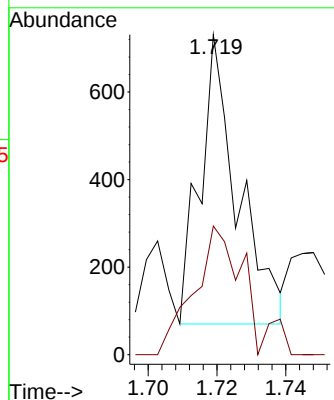
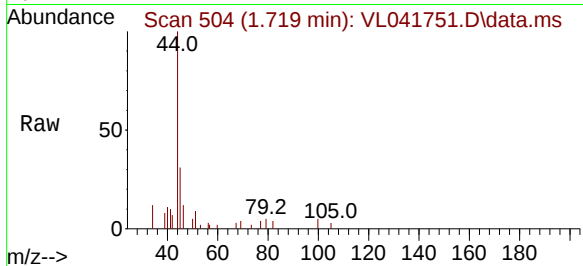




#13
Ethanol
Concen: 1.309 ppbv
RT: 1.719 min Scan# 504
Delta R.T. -0.000 min
Lab File: VL041751.D
Acq: 16 Dec 2024 12:59

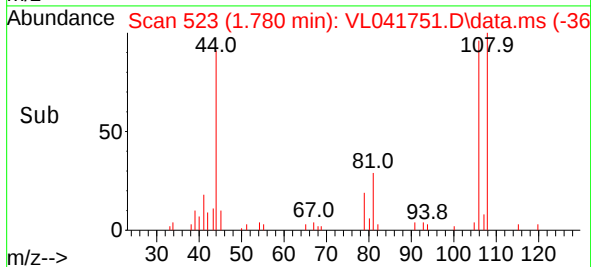
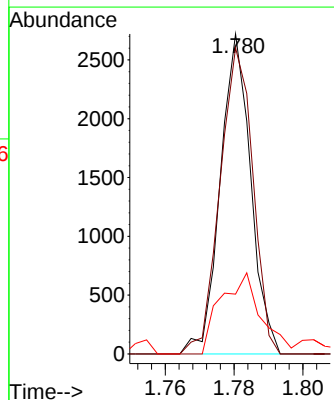
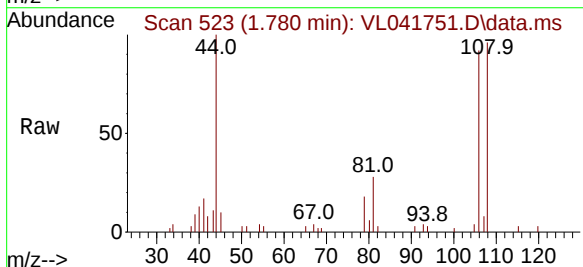
Instrument :
MSVOA_L
ClientSampleId :

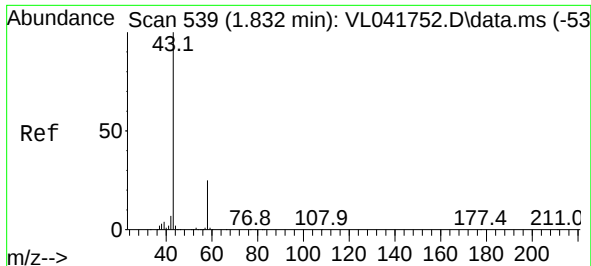
Tgt Ion: 45 Resp: 504
Ion Ratio Lower Upper
45 100
46 60.1 16.4 65.8



#14
Bromoethene
Concen: 0.526 ppbv
RT: 1.780 min Scan# 523
Delta R.T. -0.000 min
Lab File: VL041751.D
Acq: 16 Dec 2024 12:59

Tgt Ion:108 Resp: 1672
Ion Ratio Lower Upper
108 100
106 103.4 84.1 126.1
79 37.1 17.4 26.0#





#15

Acetone

Concen: 0.662 ppbv

RT: 1.835 min Scan# 54

Delta R.T. 0.003 min

Lab File: VL041751.D

Acq: 16 Dec 2024 12:59

Instrument :

MSVOA_L

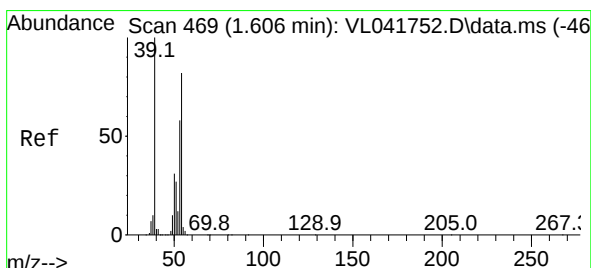
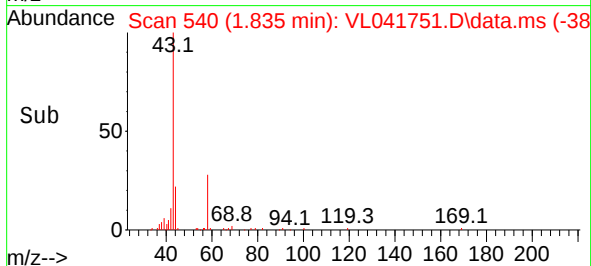
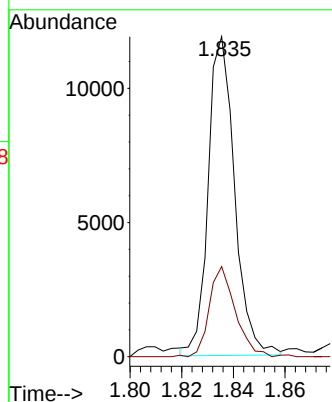
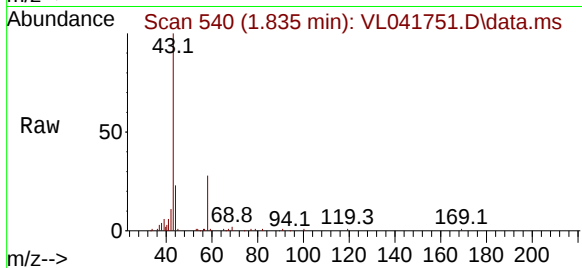
ClientSampleId :

Tgt Ion: 43 Resp: 8444

Ion Ratio Lower Upper

43 100

58 28.0 19.7 29.5



#16

1,3-Butadiene

Concen: 0.526 ppbv

RT: 1.609 min Scan# 470

Delta R.T. 0.003 min

Lab File: VL041751.D

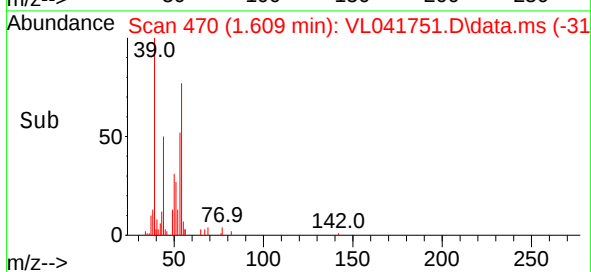
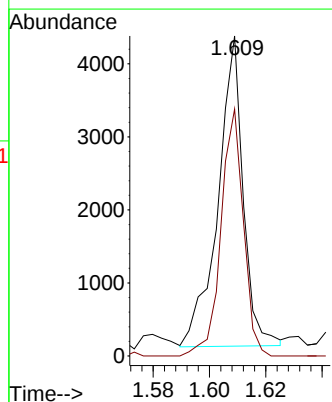
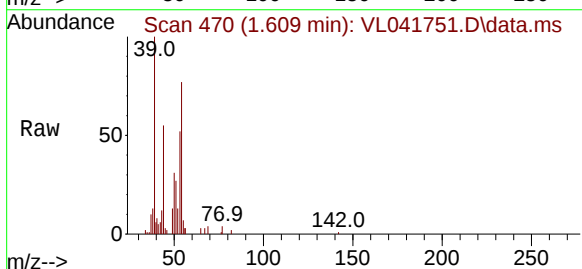
Acq: 16 Dec 2024 12:59

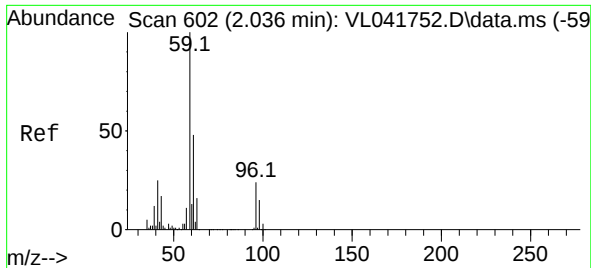
Tgt Ion: 39 Resp: 2639

Ion Ratio Lower Upper

39 100

54 71.7 58.4 87.6

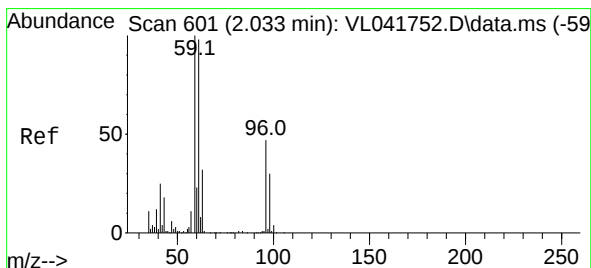
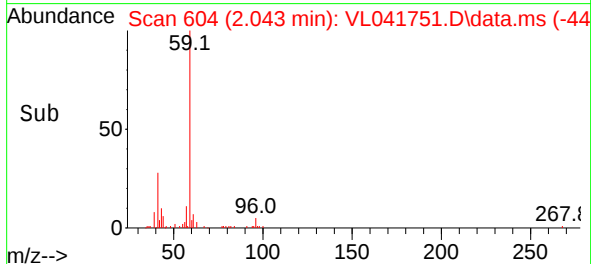
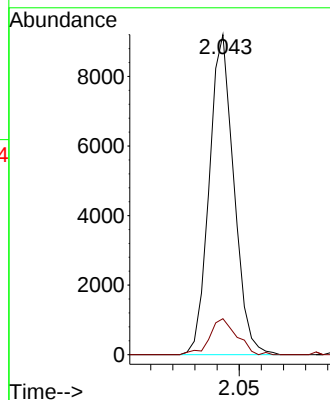
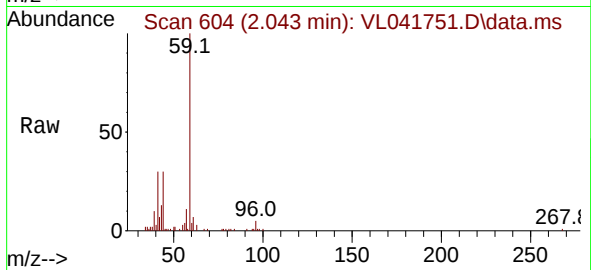




#17
tert-Butyl alcohol
Concen: 0.565 ppbv
RT: 2.043 min Scan# 602
Delta R.T. 0.006 min
Lab File: VL041751.D
Acq: 16 Dec 2024 12:59

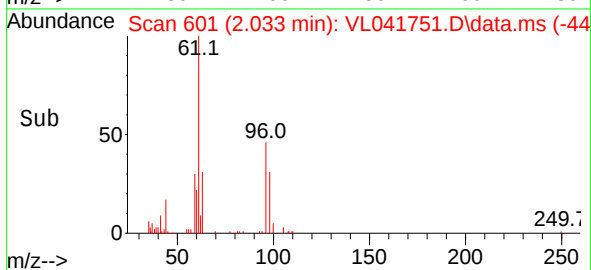
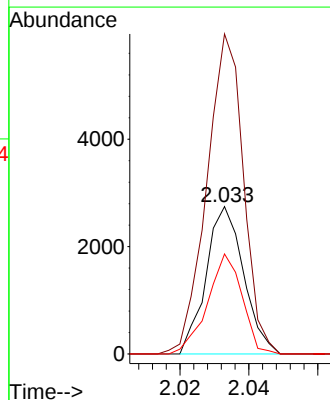
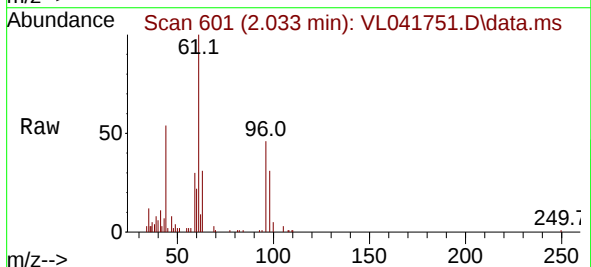
Instrument :
MSVOA_L
ClientSampleId :

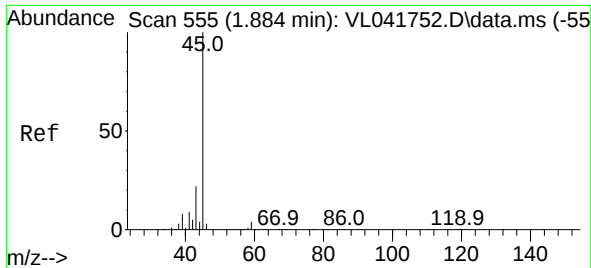
Tgt Ion: 59 Resp: 7140
Ion Ratio Lower Upper
59 100
57 12.4 8.6 13.0



#18
1,1-Dichloroethene
Concen: 0.527 ppbv
RT: 2.033 min Scan# 601
Delta R.T. -0.000 min
Lab File: VL041751.D
Acq: 16 Dec 2024 12:59

Tgt Ion: 96 Resp: 2081
Ion Ratio Lower Upper
96 100
61 217.1 167.7 251.5
98 67.9 51.1 76.7





#19

Isopropyl Alcohol

Concen: 0.656 ppbv

RT: 1.887 min Scan# 5

Delta R.T. 0.003 min

Lab File: VL041751.D

Acq: 16 Dec 2024 12:59

Instrument :

MSVOA_L

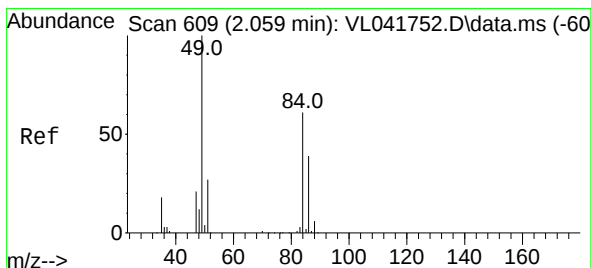
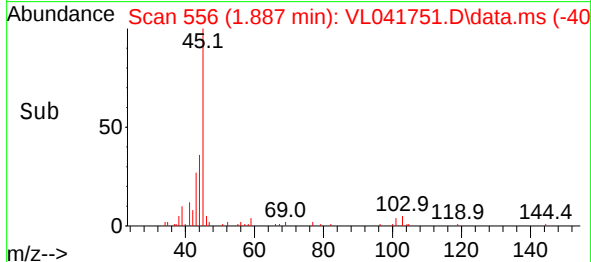
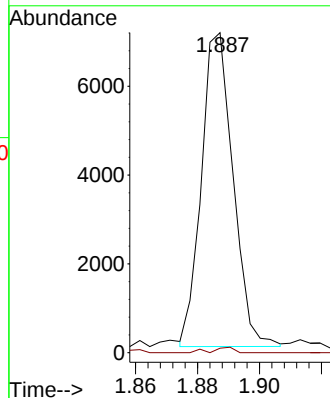
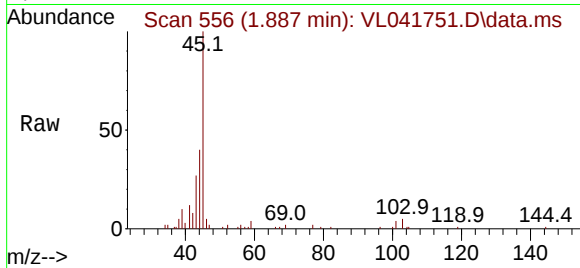
ClientSampleId :

Tgt Ion: 45 Resp: 5019

Ion Ratio Lower Upper

45 100

58 0.0 33.3 49.9#



#20

Methylene Chloride

Concen: 0.584 ppbv

RT: 2.059 min Scan# 609

Delta R.T. -0.000 min

Lab File: VL041751.D

Acq: 16 Dec 2024 12:59

Tgt Ion: 84 Resp: 2123

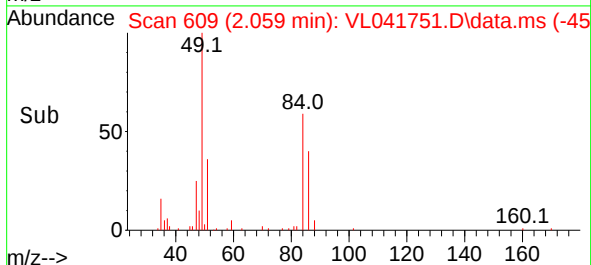
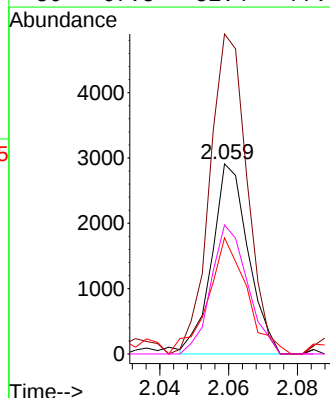
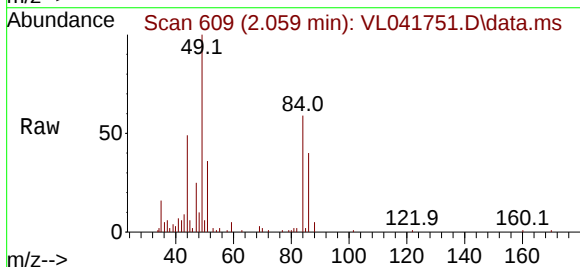
Ion Ratio Lower Upper

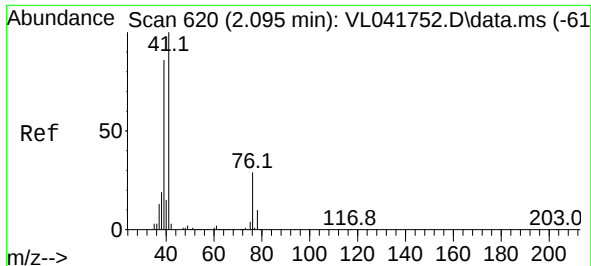
84 100

49 168.4 132.6 198.8

51 57.0 37.6 56.4#

86 67.8 51.4 77.0





#21

Allyl Chloride

Concen: 0.527 ppbv

RT: 2.098 min Scan# 61

Delta R.T. 0.003 min

Lab File: VL041751.D

Acq: 16 Dec 2024 12:59

Instrument :

MSVOA_L

ClientSampleId :

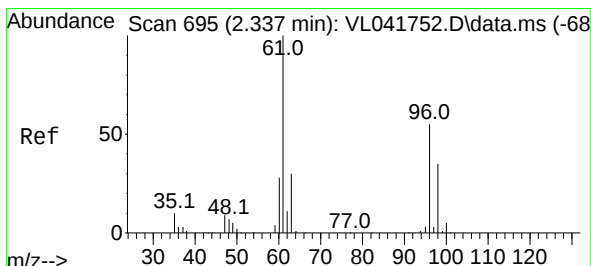
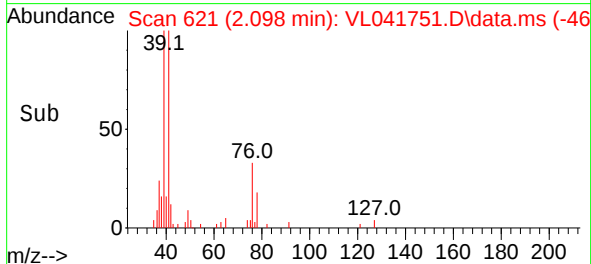
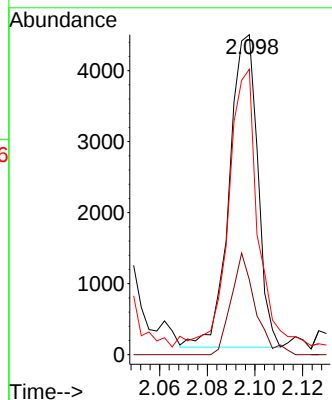
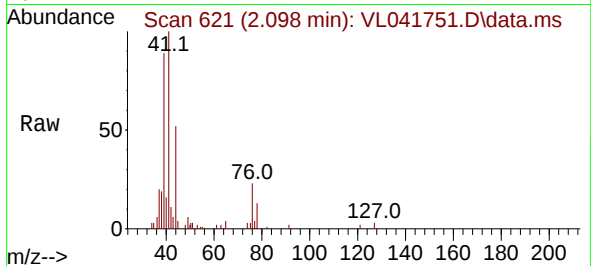
Tgt Ion: 41 Resp: 3647

Ion Ratio Lower Upper

41 100

76 27.6 22.3 33.5

39 94.9 69.2 103.8



#22

trans-1,2-Dichloroethene

Concen: 0.517 ppbv

RT: 2.340 min Scan# 696

Delta R.T. 0.003 min

Lab File: VL041751.D

Acq: 16 Dec 2024 12:59

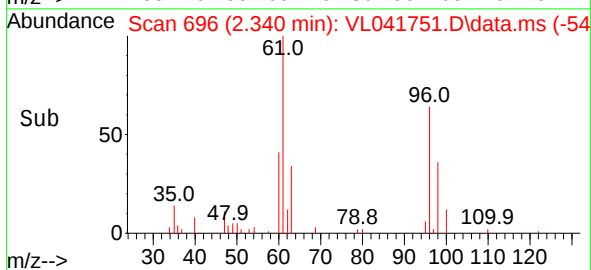
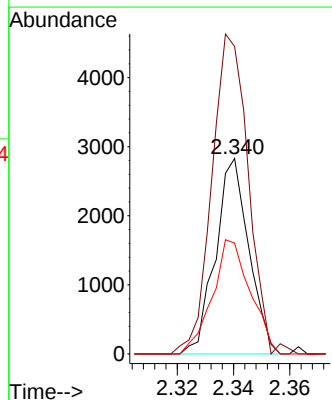
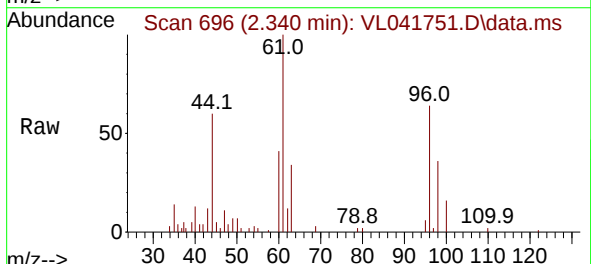
Tgt Ion: 96 Resp: 2335

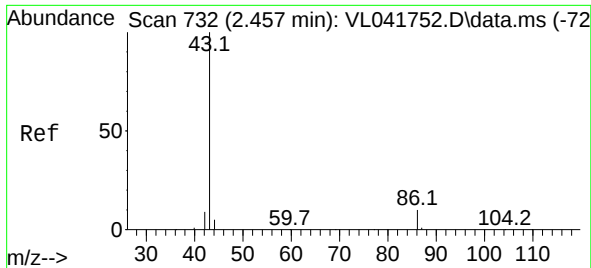
Ion Ratio Lower Upper

96 100

61 153.2 146.3 219.5

98 56.7 50.8 76.2

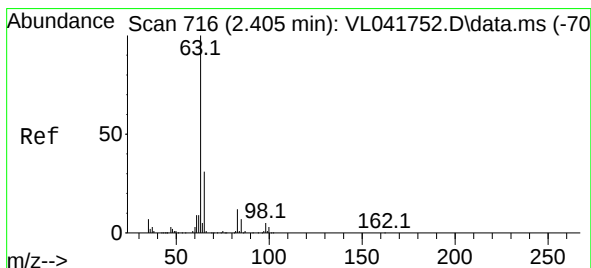
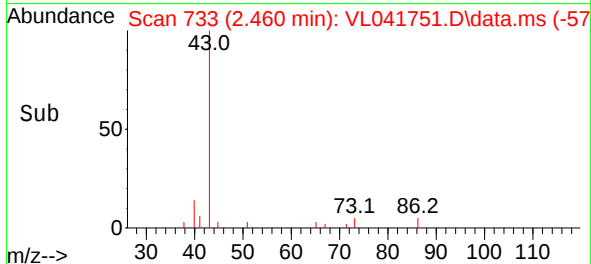
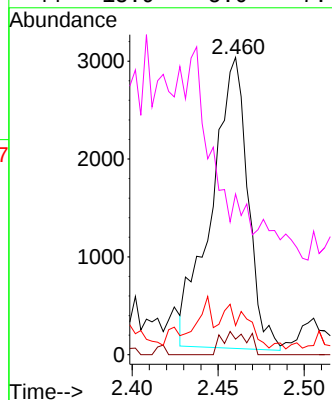
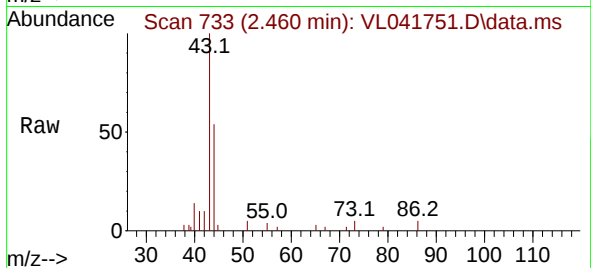




#23
Vinyl Acetate
Concen: 0.791 ppbv
RT: 2.460 min Scan# 716
Delta R.T. 0.003 min
Lab File: VL041751.D
Acq: 16 Dec 2024 12:59

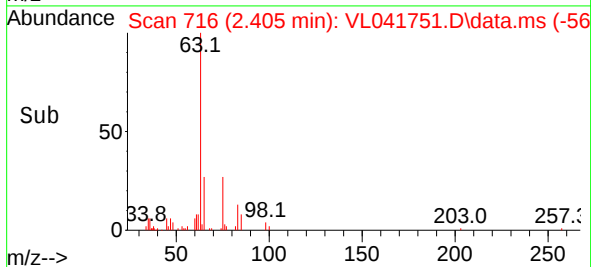
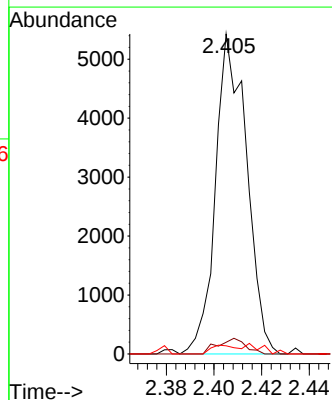
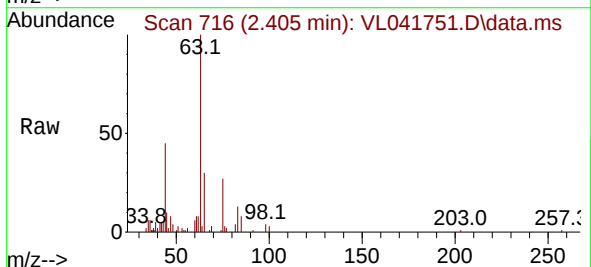
Instrument :
MSVOA_L
ClientSampleId :

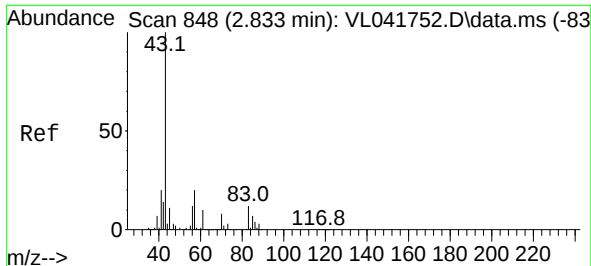
Tgt Ion:	43	Resp:	4382
Ion	Ratio	Lower	Upper
43	100		
86	5.4	6.6	10.0#
42	6.0	8.2	12.2#
44	18.9	5.0	7.4#



#24
1,1-Dichloroethane
Concen: 0.537 ppbv
RT: 2.405 min Scan# 716
Delta R.T. -0.000 min
Lab File: VL041751.D
Acq: 16 Dec 2024 12:59

Tgt Ion:	63	Resp:	4914
Ion	Ratio	Lower	Upper
63	100		
98	3.7	2.3	6.8
100	2.6	1.4	4.2





#25

Ethyl Acetate

Concen: 0.520 ppbv

RT: 2.839 min Scan# 848

Delta R.T. 0.006 min

Lab File: VL041751.D

Acq: 16 Dec 2024 12:59

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 43 Resp: 12380

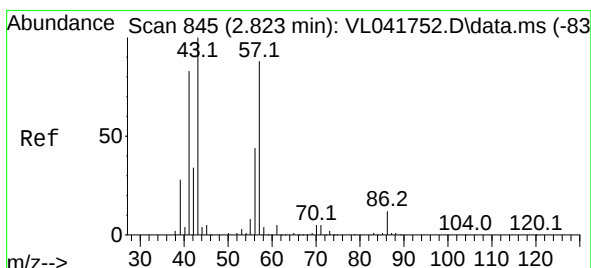
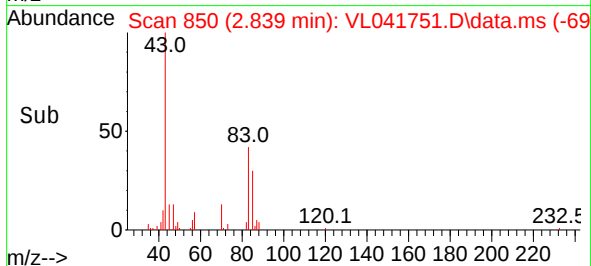
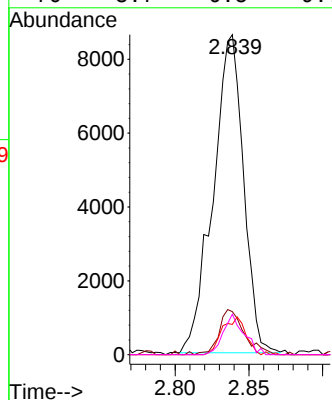
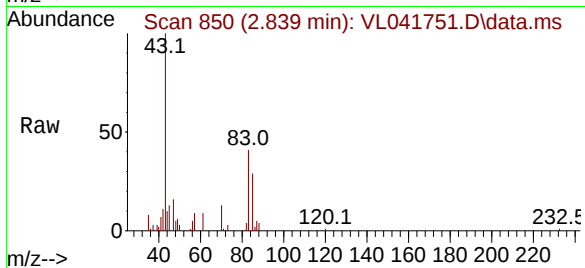
Ion Ratio Lower Upper

43 100

45 12.0 8.1 12.1

61 9.4 7.0 10.6

70 8.7 6.5 9.7



#26

Hexane

Concen: 0.524 ppbv

RT: 2.826 min Scan# 846

Delta R.T. 0.003 min

Lab File: VL041751.D

Acq: 16 Dec 2024 12:59

Tgt Ion: 57 Resp: 4713

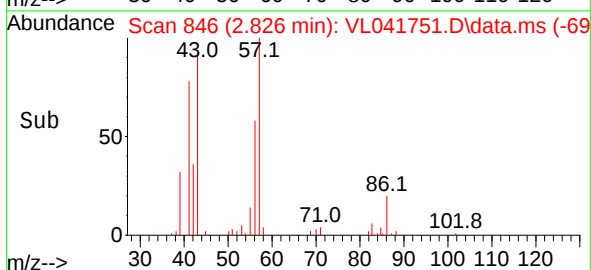
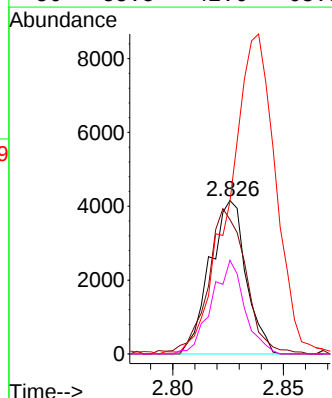
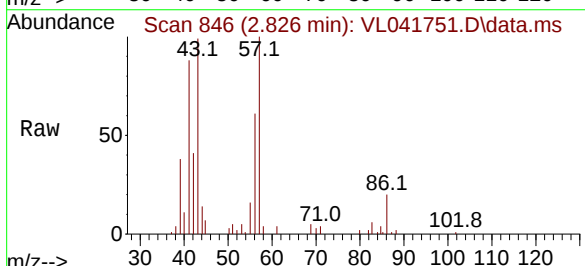
Ion Ratio Lower Upper

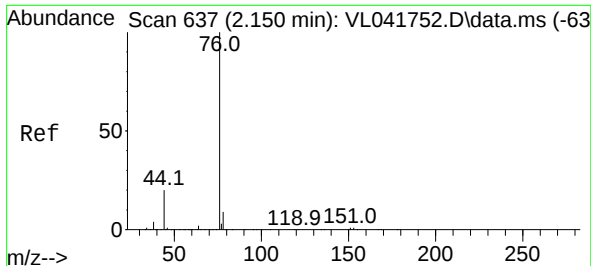
57 100

41 99.8 79.6 119.4

43 268.2 211.0 316.6

56 55.5 42.6 63.8





#27

Carbon Disulfide

Concen: 0.484 ppbv

RT: 2.149 min Scan# 61

Delta R.T. -0.000 min

Lab File: VL041751.D

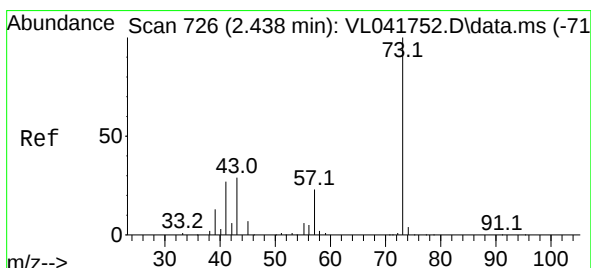
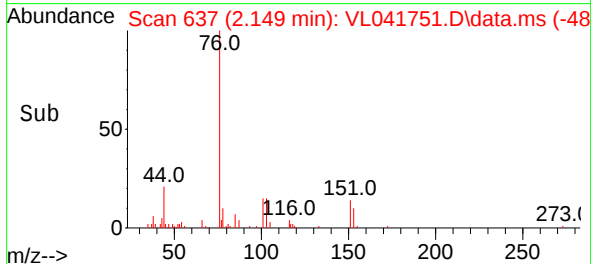
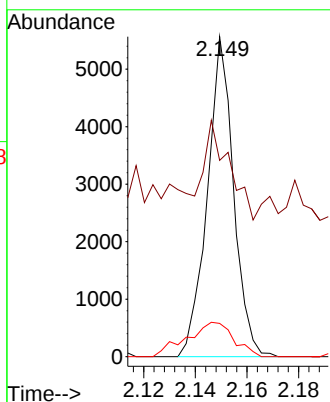
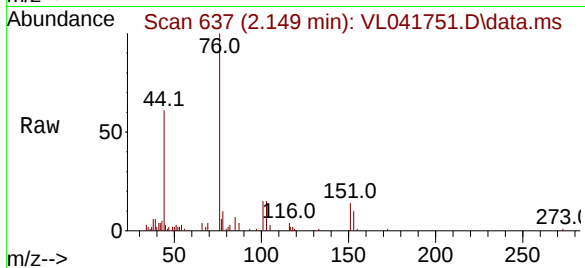
Acq: 16 Dec 2024 12:59

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 76	Resp: 3927
Ion Ratio	Lower Upper
76	100
44	138.6 17.6 26.4#
78	19.2 10.2 15.4#



#28

Methyl tert-Butyl Ether

Concen: 0.522 ppbv

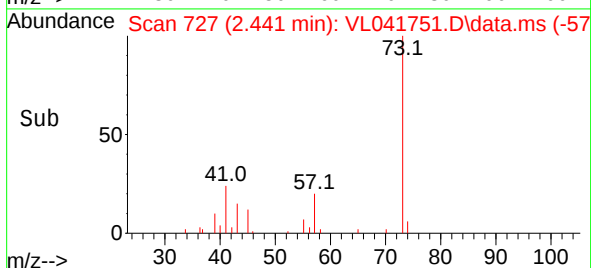
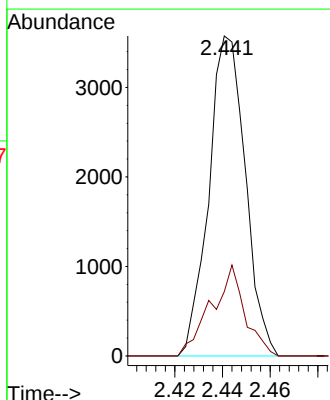
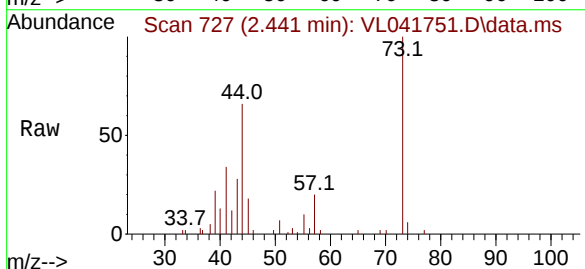
RT: 2.441 min Scan# 727

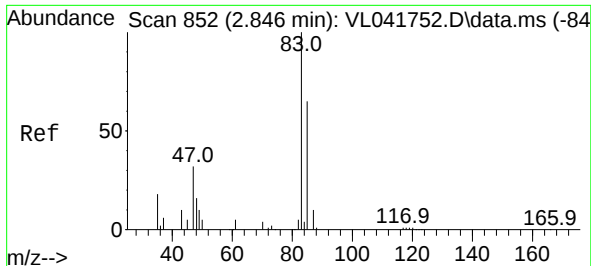
Delta R.T. 0.003 min

Lab File: VL041751.D

Acq: 16 Dec 2024 12:59

Tgt Ion: 73	Resp: 3810
Ion Ratio	Lower Upper
73	100
57	26.1 17.6 26.4





#29

Chloroform

Concen: 0.522 ppbv

RT: 2.845 min Scan# 84

Delta R.T. -0.000 min

Lab File: VL041751.D

Acq: 16 Dec 2024 12:59

Instrument :

MSVOA_L

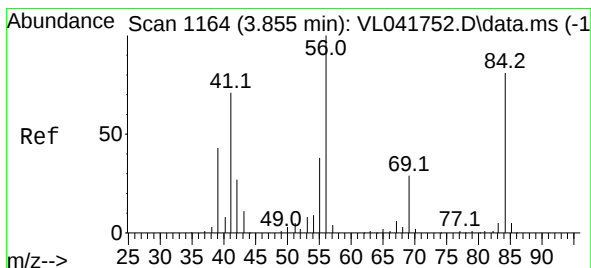
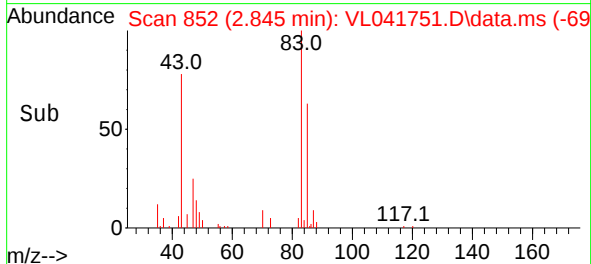
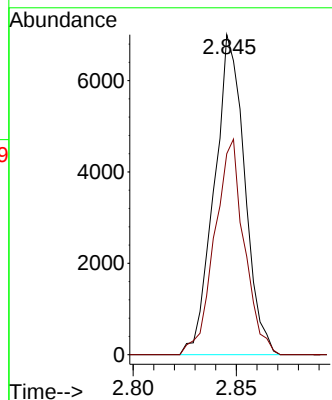
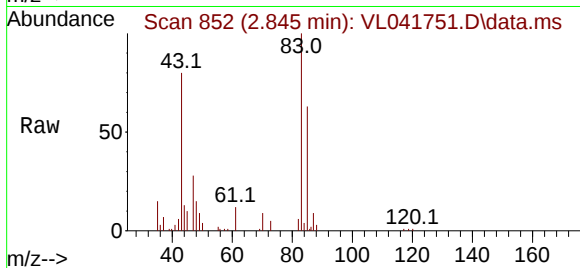
ClientSampleId :

Tgt Ion: 83 Resp: 7165

Ion Ratio Lower Upper

83 100

85 62.8 51.8 77.6



#30

Cyclohexane

Concen: 0.515 ppbv

RT: 3.858 min Scan# 1165

Delta R.T. 0.003 min

Lab File: VL041751.D

Acq: 16 Dec 2024 12:59

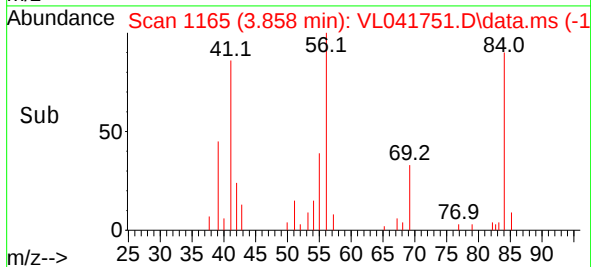
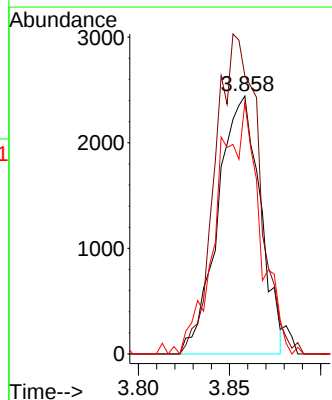
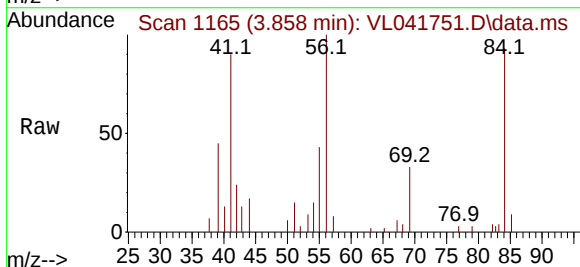
Tgt Ion: 84 Resp: 3944

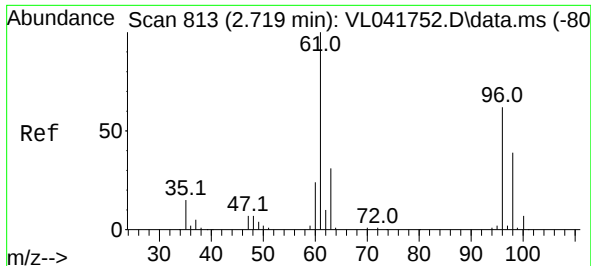
Ion Ratio Lower Upper

84 100

56 128.0 102.3 153.5

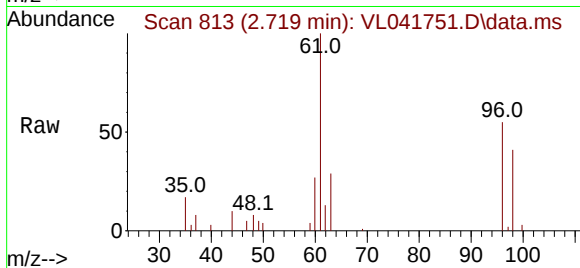
41 98.7 74.0 111.0



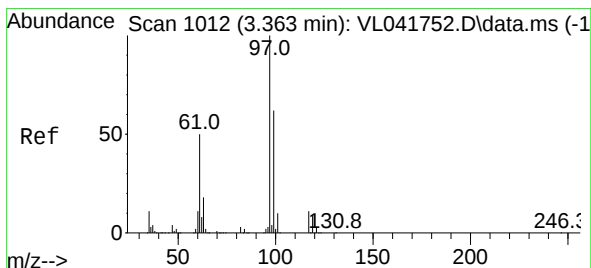
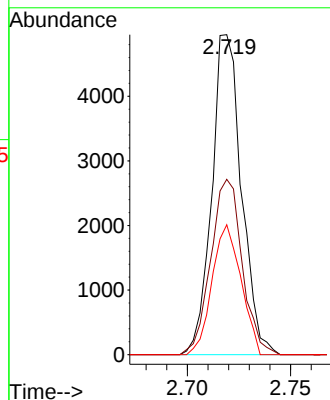
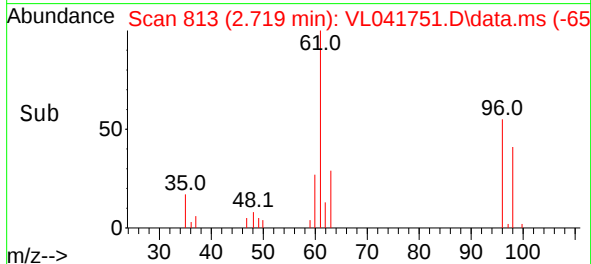


#31
 cis-1,2-Dichloroethene
 Concen: 0.533 ppbv
 RT: 2.719 min Scan# 813
 Delta R.T. -0.000 min
 Lab File: VL041751.D
 Acq: 16 Dec 2024 12:59

Instrument :
 MSVOA_L
 ClientSampleId :

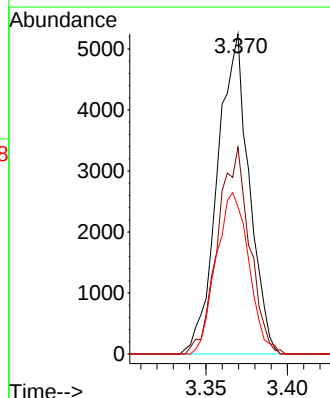
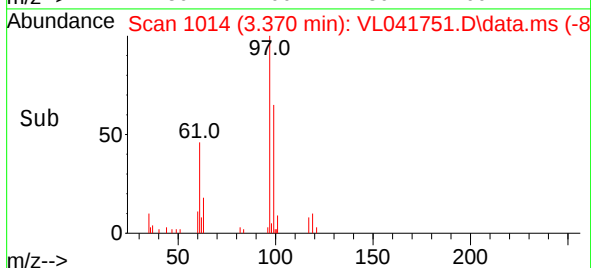
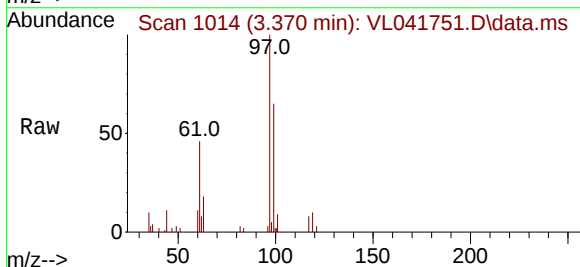


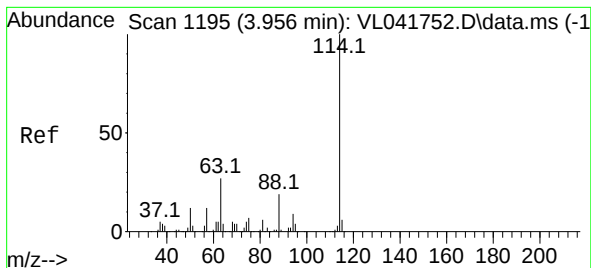
Tgt Ion: 61 Resp: 4957
 Ion Ratio Lower Upper
 61 100
 96 54.8 49.7 74.5
 98 40.6 30.8 46.2



#32
 1,1,1-Trichloroethane
 Concen: 0.520 ppbv
 RT: 3.370 min Scan# 1014
 Delta R.T. 0.006 min
 Lab File: VL041751.D
 Acq: 16 Dec 2024 12:59

Tgt Ion: 97 Resp: 7096
 Ion Ratio Lower Upper
 97 100
 99 64.7 51.0 76.4
 61 52.0 42.2 63.2





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.955 min Scan# 1195

Delta R.T. -0.000 min

Lab File: VL041751.D

Acq: 16 Dec 2024 12:59

Instrument :

MSVOA_L

ClientSampleId :

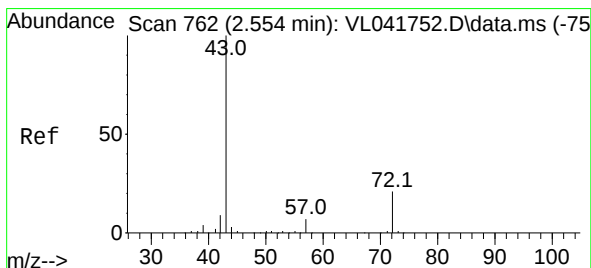
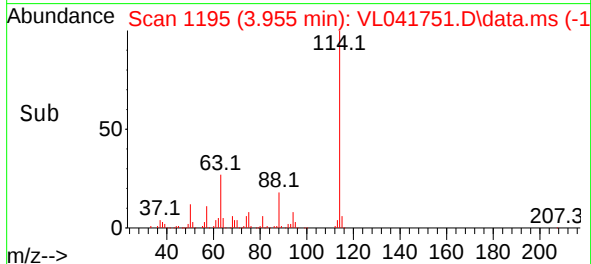
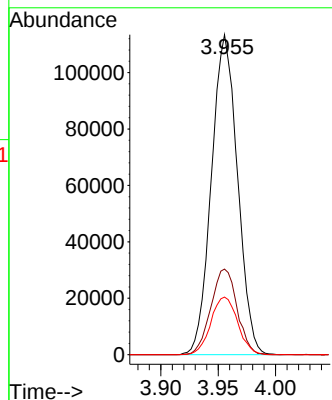
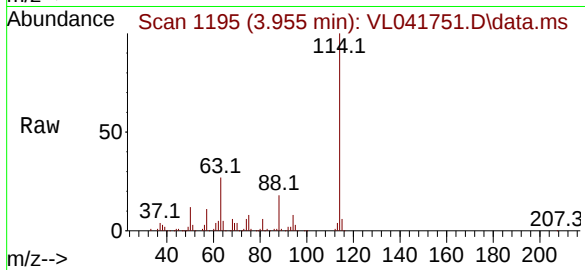
Tgt Ion:114 Resp: 179257

Ion Ratio Lower Upper

114 100

63 27.0 21.8 32.8

88 18.5 14.8 22.2



#34

2-Butanone

Concen: 0.539 ppbv

RT: 2.560 min Scan# 764

Delta R.T. 0.006 min

Lab File: VL041751.D

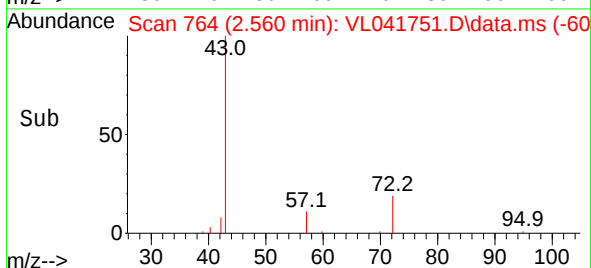
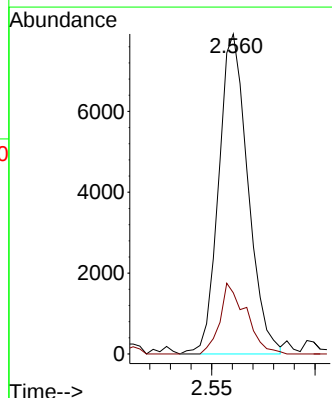
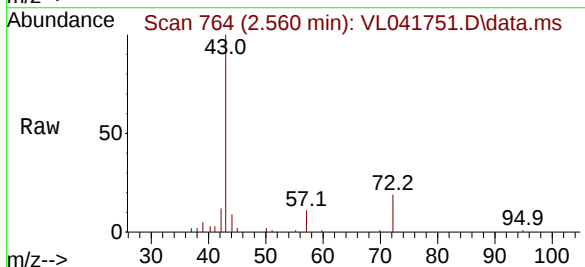
Acq: 16 Dec 2024 12:59

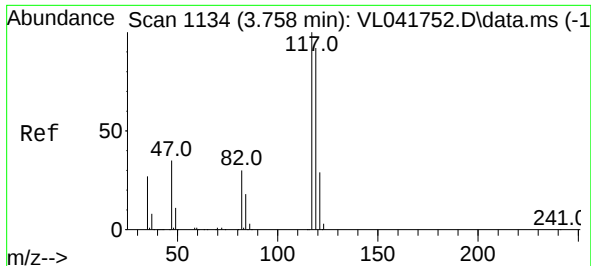
Tgt Ion: 43 Resp: 7780

Ion Ratio Lower Upper

43 100

72 19.9 16.8 25.2





#35

Carbon Tetrachloride

Concen: 0.220 ppbv

RT: 3.755 min Scan# 1133

Delta R.T. -0.004 min

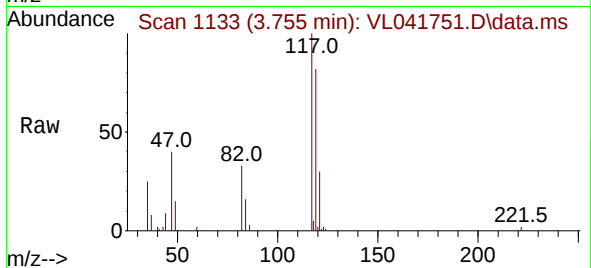
Lab File: VL041751.D

Acq: 16 Dec 2024 12:59

Instrument :

MSVOA_L

ClientSampleId :



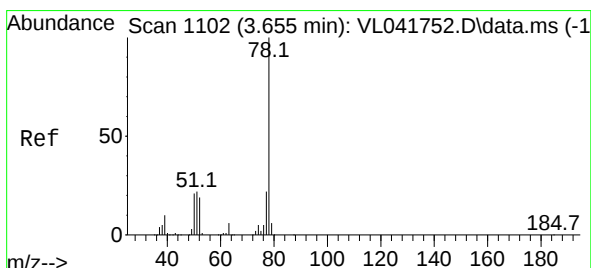
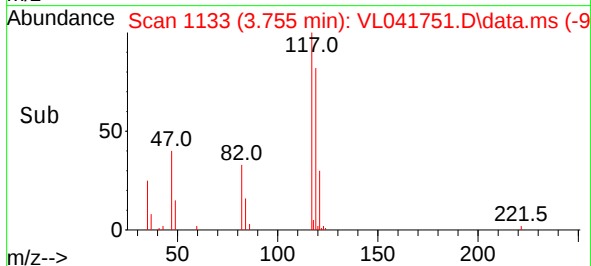
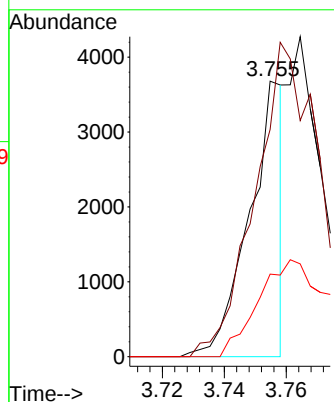
Tgt Ion:117 Resp: 2797

Ion Ratio Lower Upper

117 100

119 82.5 73.7 110.5

121 29.9 23.0 34.4



#36

Benzene

Concen: 0.513 ppbv

RT: 3.654 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VL041751.D

Acq: 16 Dec 2024 12:59

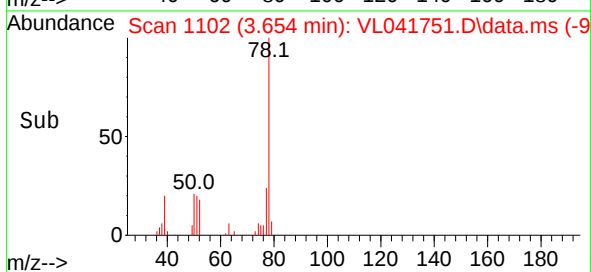
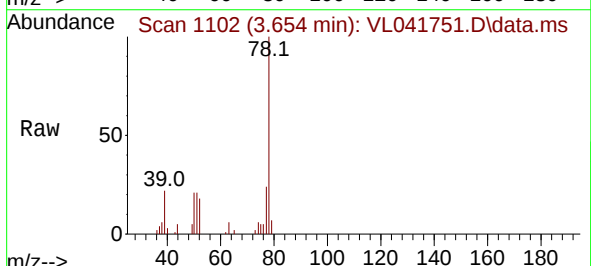
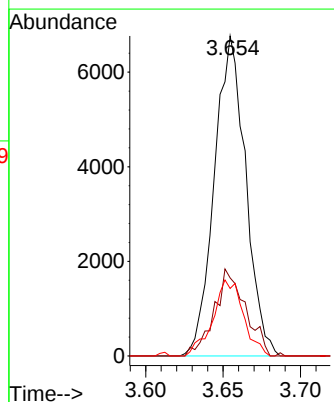
Tgt Ion: 78 Resp: 9514

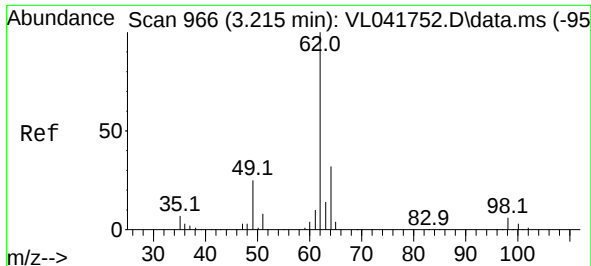
Ion Ratio Lower Upper

78 100

77 24.4 17.8 26.6

50 21.1 17.2 25.8





#37

1,2-Dichloroethane

Concen: 0.545 ppbv

RT: 3.217 min Scan# 9

Delta R.T. 0.003 min

Lab File: VL041751.D

Acq: 16 Dec 2024 12:59

Instrument :

MSVOA_L

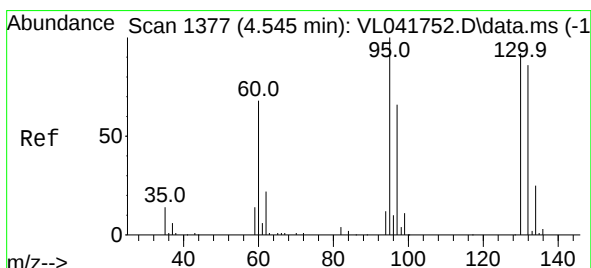
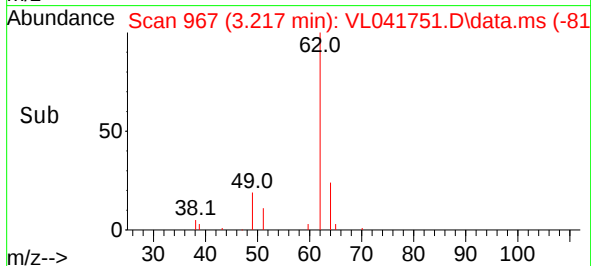
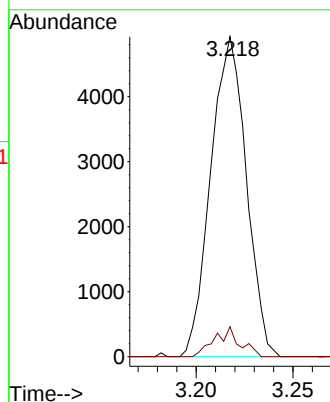
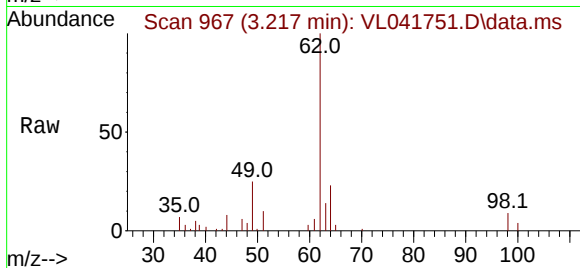
ClientSampleId :

Tgt Ion: 62 Resp: 6284

Ion Ratio Lower Upper

62 100

98 6.6 4.7 7.1



#38

Trichloroethene

Concen: 0.381 ppbv

RT: 4.545 min Scan# 1377

Delta R.T. -0.000 min

Lab File: VL041751.D

Acq: 16 Dec 2024 12:59

Tgt Ion:130 Resp: 2971

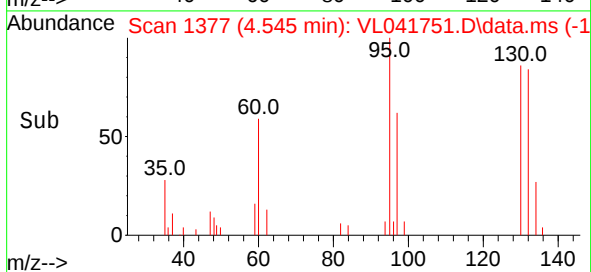
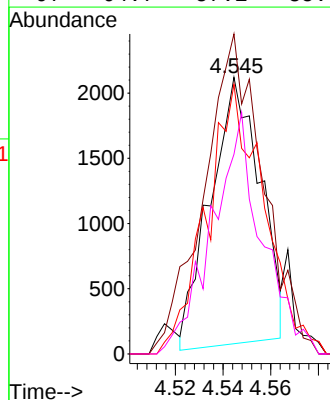
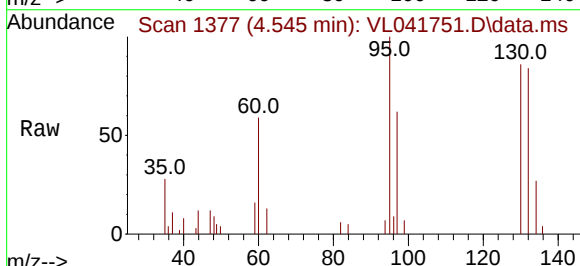
Ion Ratio Lower Upper

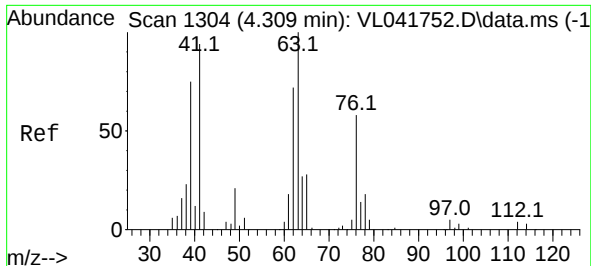
130 100

95 98.7 87.0 130.6

132 86.9 75.0 112.6

97 64.7 57.2 85.8





#39

1,2-Dichloropropane

Concen: 0.541 ppbv

RT: 4.311 min Scan# 1305

Delta R.T. 0.003 min

Lab File: VL041751.D

Acq: 16 Dec 2024 12:59

Instrument :

MSVOA_L

ClientSampleId :

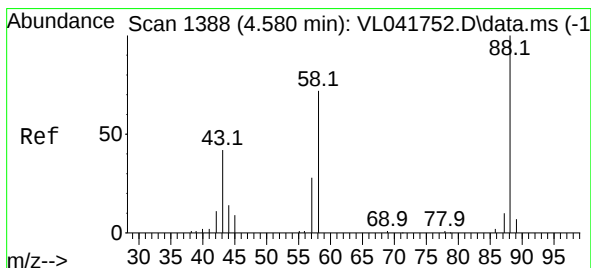
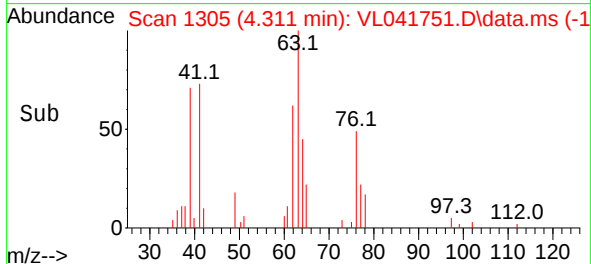
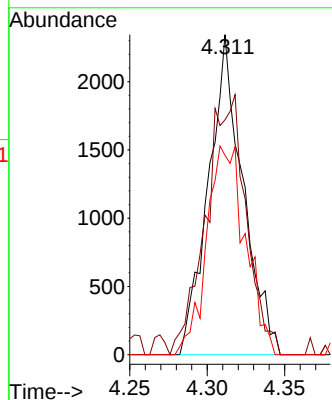
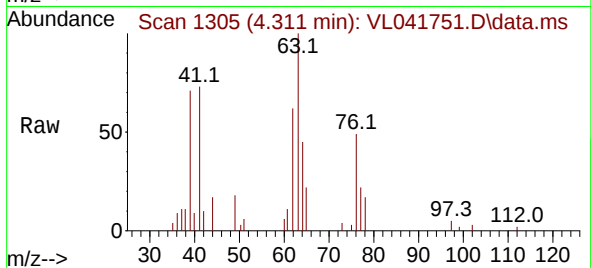
Tgt Ion: 63 Resp: 3628

Ion Ratio Lower Upper

63 100

41 73.4 75.3 112.9#

62 62.3 57.3 85.9



#40

1,4-Dioxane

Concen: 0.164 ppbv

RT: 4.600 min Scan# 1394

Delta R.T. 0.019 min

Lab File: VL041751.D

Acq: 16 Dec 2024 12:59

Tgt Ion: 88 Resp: 537

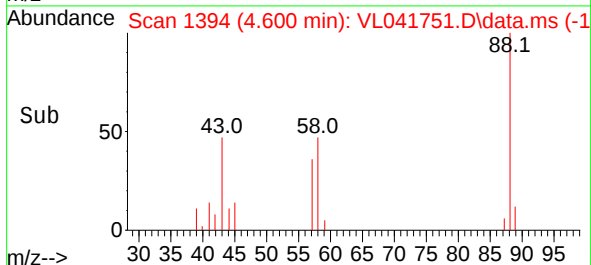
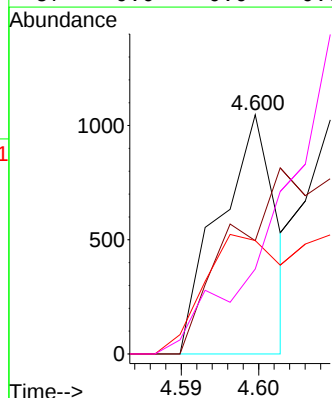
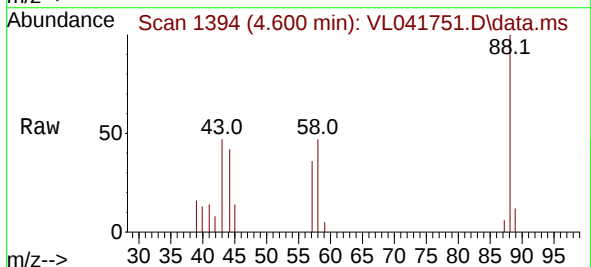
Ion Ratio Lower Upper

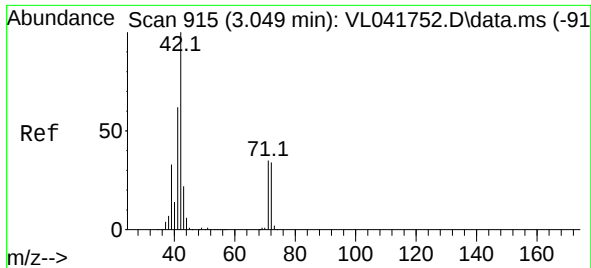
88 100

58 393.7 61.0 91.6#

43 28.7 29.4 44.0#

57 0.0 0.0 0.0





#41

Tetrahydrofuran

Concen: 0.535 ppbv

RT: 3.065 min Scan# 91

Delta R.T. 0.016 min

Lab File: VL041751.D

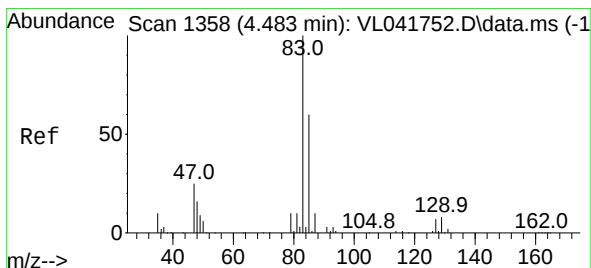
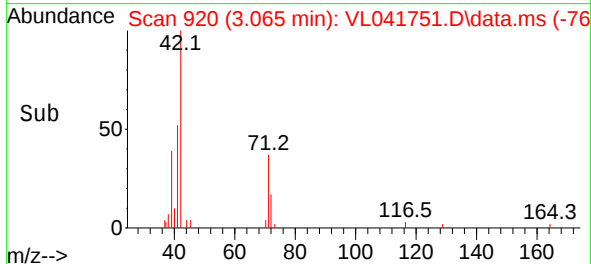
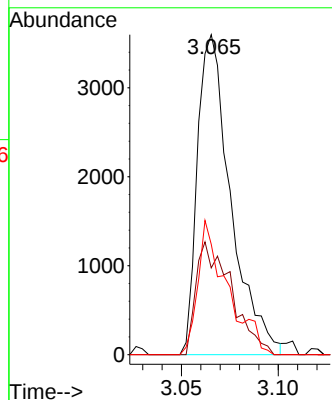
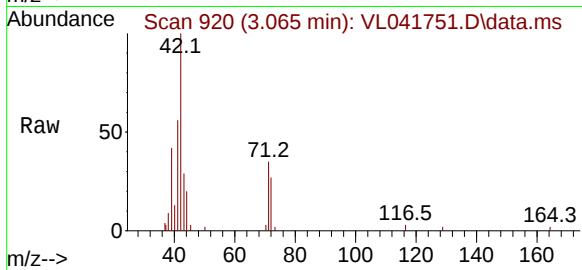
Acq: 16 Dec 2024 12:59

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:	42	Resp:	4319
Ion	Ratio	Lower	Upper
42	100		
72	37.3	29.1	43.7
71	37.0	28.4	42.6



#42

Bromodichloromethane

Concen: 0.430 ppbv

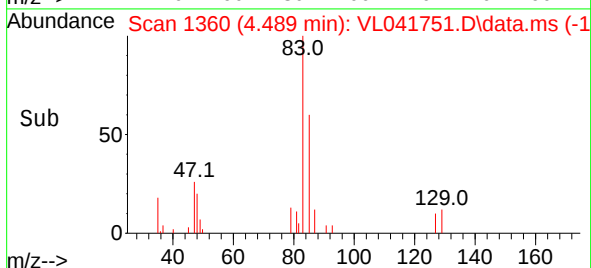
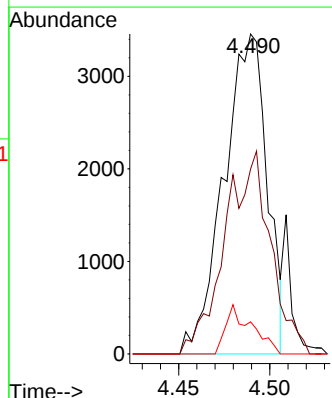
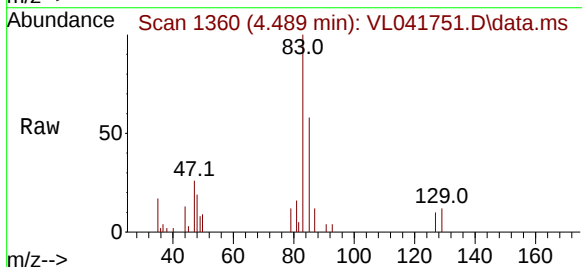
RT: 4.489 min Scan# 1360

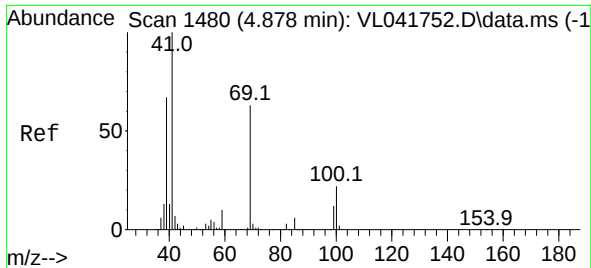
Delta R.T. 0.006 min

Lab File: VL041751.D

Acq: 16 Dec 2024 12:59

Tgt Ion:	83	Resp:	5703
Ion	Ratio	Lower	Upper
83	100		
85	57.8	48.0	72.0
127	10.1	5.8	8.8#





#43

Methyl Methacrylate

Concen: 0.269 ppbv

RT: 4.881 min Scan# 1481

Delta R.T. 0.003 min

Lab File: VL041751.D

Acq: 16 Dec 2024 12:59

Instrument :

MSVOA_L

ClientSampleId :

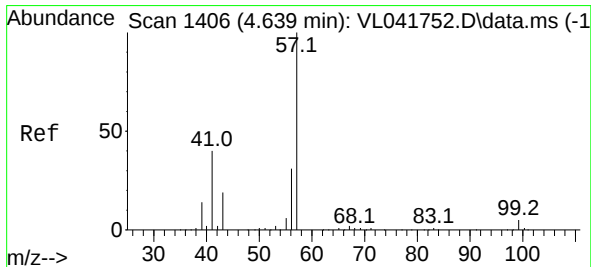
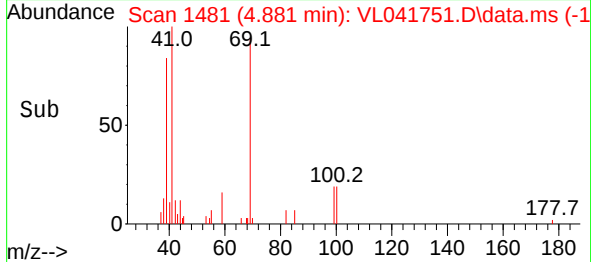
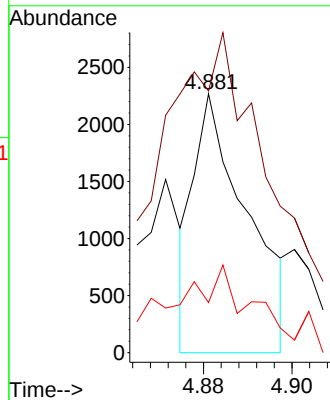
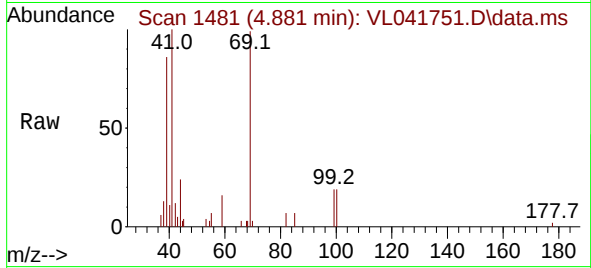
Tgt Ion: 69 Resp: 1903

Ion Ratio Lower Upper

69 100

41 280.5 130.3 195.5#

100 61.7 28.3 42.5#



#44

2,2,4-Trimethylpentane

Concen: 0.520 ppbv

RT: 4.638 min Scan# 1406

Delta R.T. -0.000 min

Lab File: VL041751.D

Acq: 16 Dec 2024 12:59

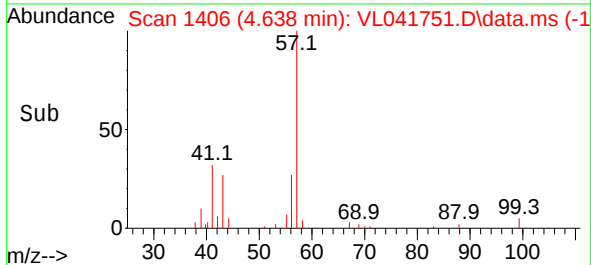
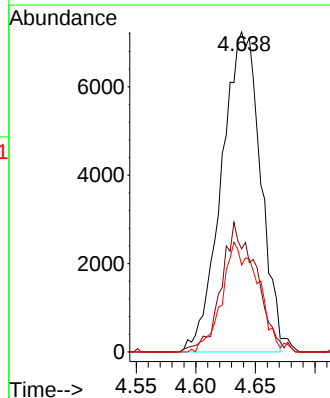
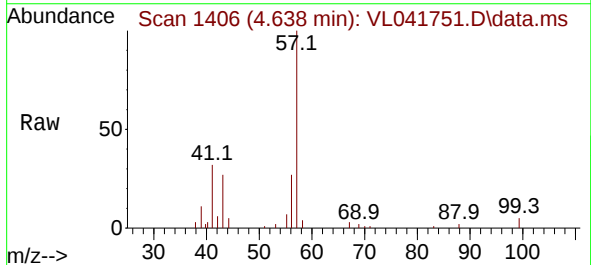
Tgt Ion: 57 Resp: 16462

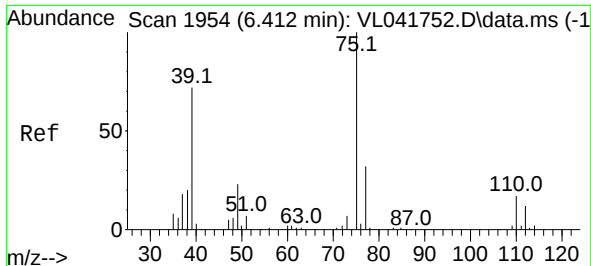
Ion Ratio Lower Upper

57 100

41 36.5 30.7 46.1

56 31.8 25.4 38.0





#45

t-1,3-Dichloropropene

Concen: 0.249 ppbv

RT: 6.409 min Scan# 1953

Delta R.T. -0.003 min

Lab File: VL041751.D

Acq: 16 Dec 2024 12:59

Instrument :

MSVOA_L

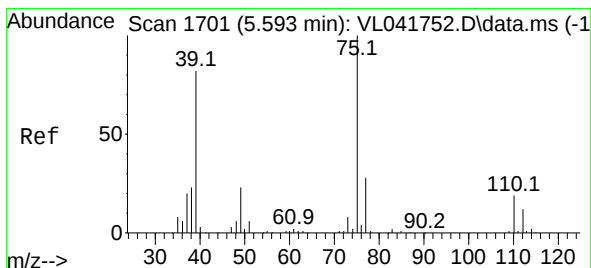
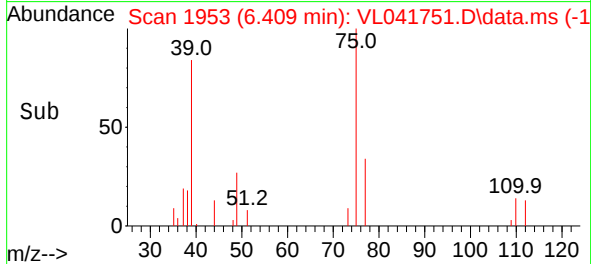
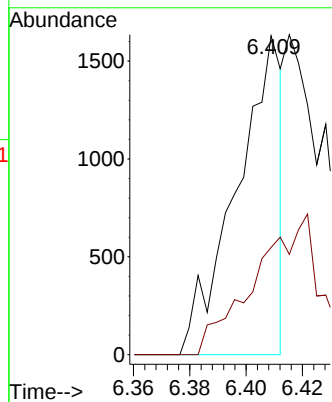
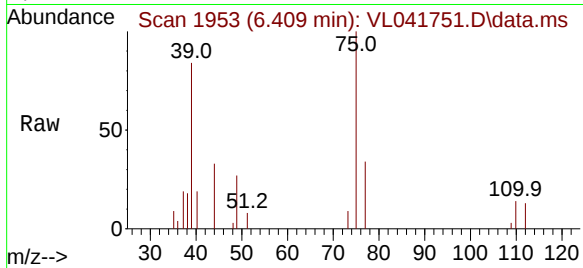
ClientSampleId :

Tgt Ion: 75 Resp: 1817

Ion Ratio Lower Upper

75 100

77 33.6 25.9 38.9



#46

cis-1,3-Dichloropropene

Concen: 0.286 ppbv

RT: 5.593 min Scan# 1701

Delta R.T. -0.000 min

Lab File: VL041751.D

Acq: 16 Dec 2024 12:59

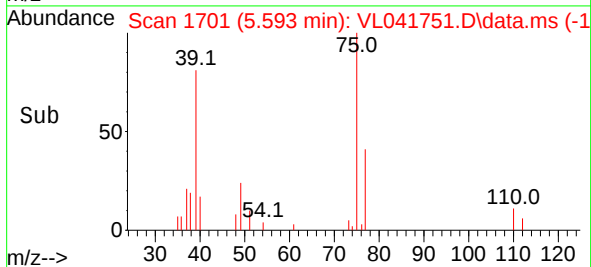
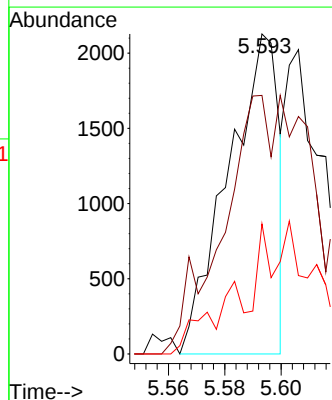
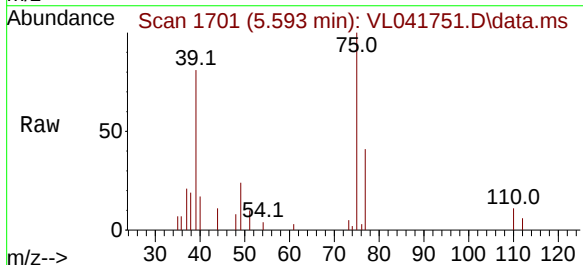
Tgt Ion: 75 Resp: 2655

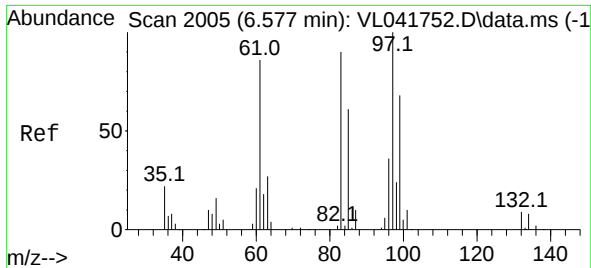
Ion Ratio Lower Upper

75 100

39 72.0 65.2 97.8

77 38.1 22.0 33.0#





#47

1,1,2-Trichloroethane

Concen: 0.445 ppbv

RT: 6.580 min Scan# 20

Delta R.T. 0.003 min

Lab File: VL041751.D

Acq: 16 Dec 2024 12:59

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 97 Resp: 3116

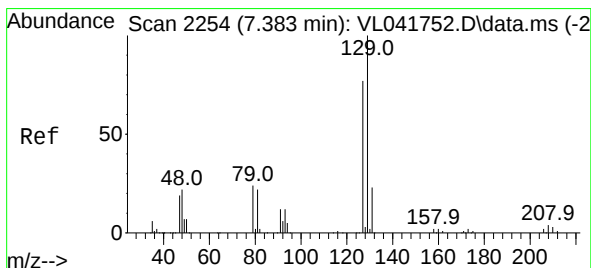
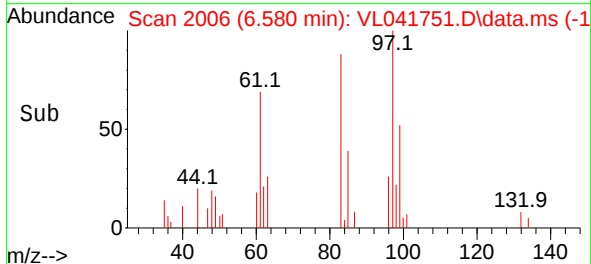
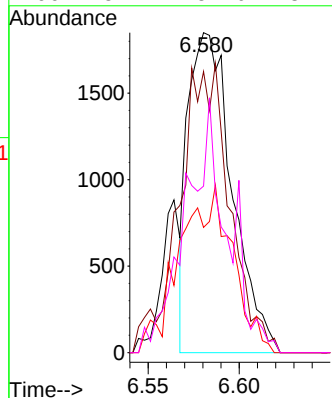
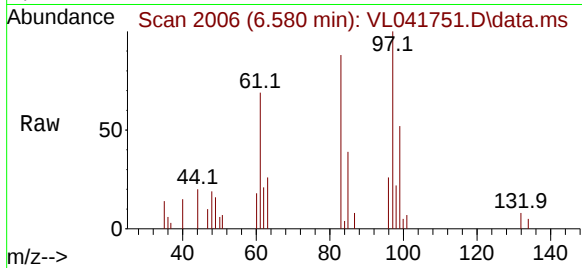
Ion Ratio Lower Upper

97 100

83 87.8 72.3 108.5

85 39.1 48.5 72.7#

99 52.1 54.0 81.0#



#48

Dibromochloromethane

Concen: 0.424 ppbv

RT: 7.386 min Scan# 2255

Delta R.T. 0.003 min

Lab File: VL041751.D

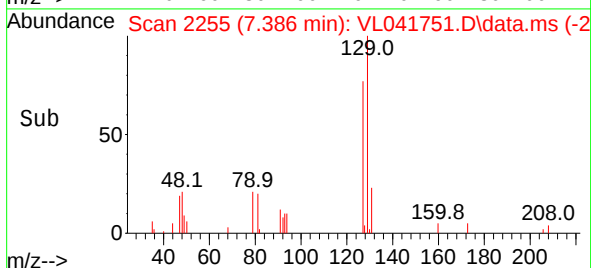
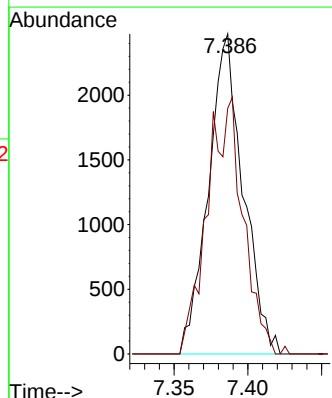
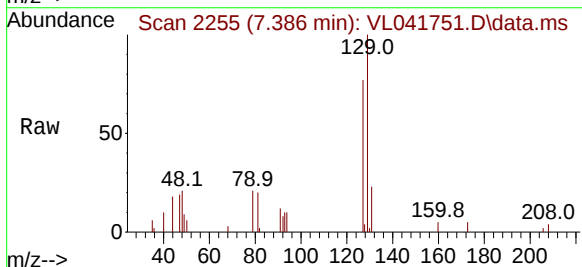
Acq: 16 Dec 2024 12:59

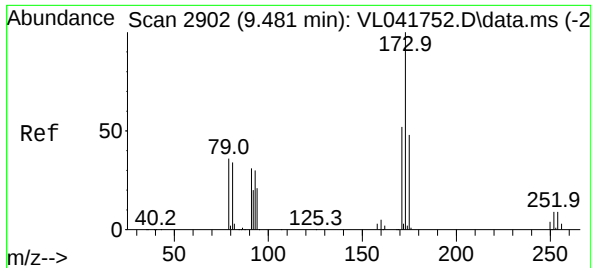
Tgt Ion: 129 Resp: 4060

Ion Ratio Lower Upper

129 100

127 82.9 38.8 116.3

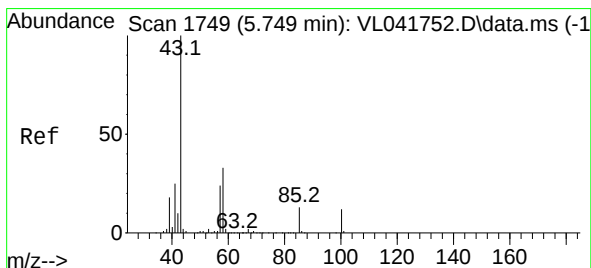
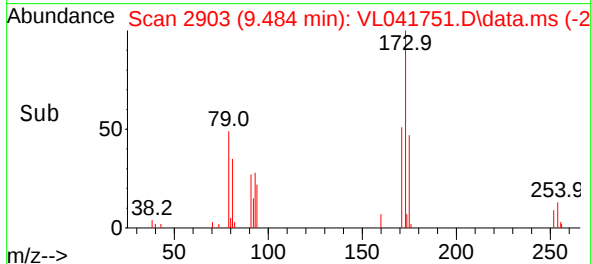
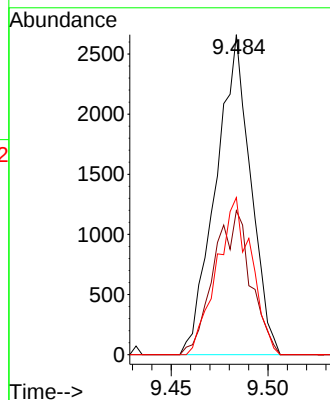
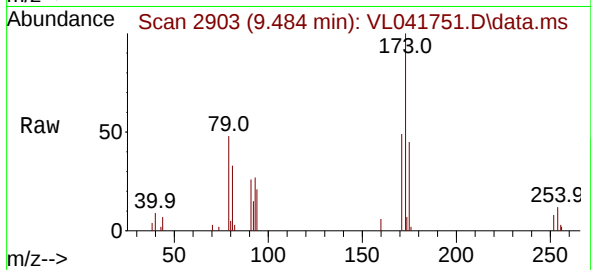




#49
Bromoform
Concen: 0.426 ppbv
RT: 9.484 min Scan# 2902
Delta R.T. 0.003 min
Lab File: VL041751.D
Acq: 16 Dec 2024 12:59

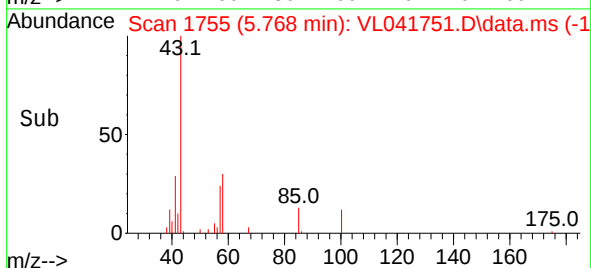
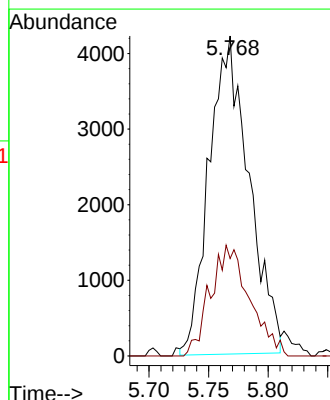
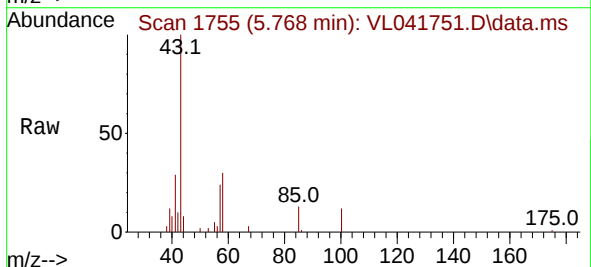
Instrument :
MSVOA_L
ClientSampleId :

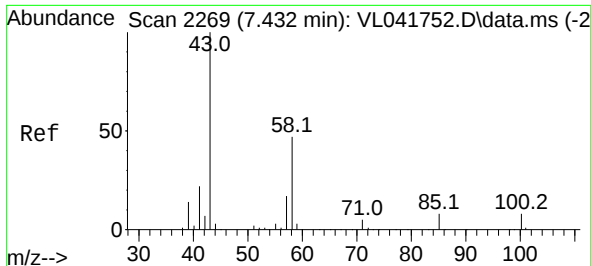
Tgt Ion:173 Resp: 3337
Ion Ratio Lower Upper
173 100
175 48.0 38.2 57.2
171 48.8 41.1 61.7



#50
4-Methyl-2-Pentanone
Concen: 0.498 ppbv
RT: 5.768 min Scan# 1755
Delta R.T. 0.019 min
Lab File: VL041751.D
Acq: 16 Dec 2024 12:59

Tgt Ion: 43 Resp: 9781
Ion Ratio Lower Upper
43 100
58 34.2 26.8 40.2

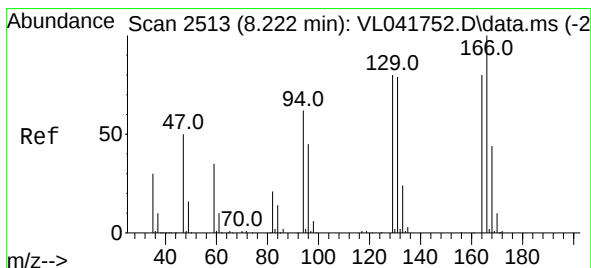
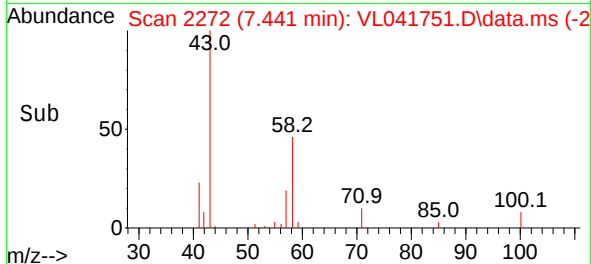
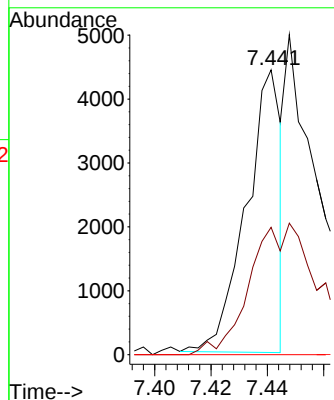
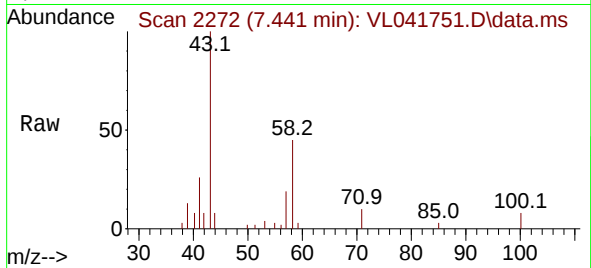




#51
2-Hexanone
Concen: 0.238 ppbv
RT: 7.441 min Scan# 21
Delta R.T. 0.009 min
Lab File: VL041751.D
Acq: 16 Dec 2024 12:59

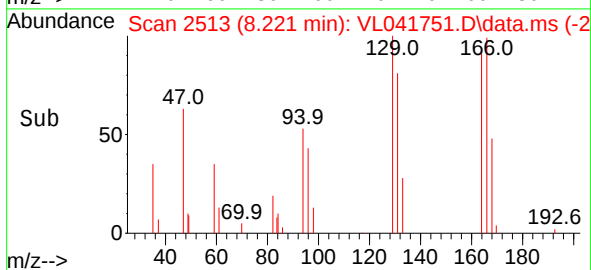
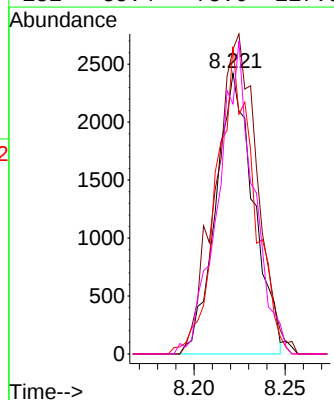
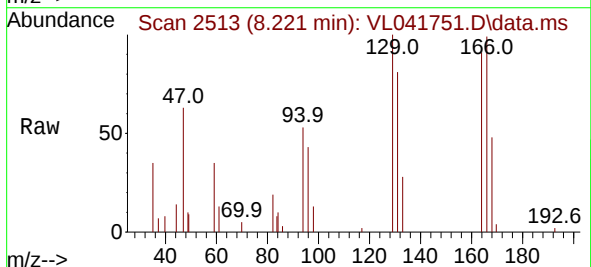
Instrument :
MSVOA_L
ClientSampleId :

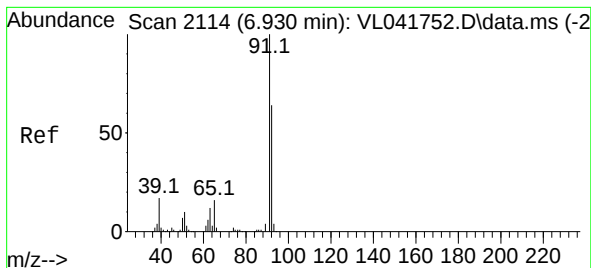
Tgt Ion: 43 Resp: 3795
Ion Ratio Lower Upper
43 100
58 0.0 36.6 55.0#
98 0.0 0.1 0.1#



#52
Tetrachloroethene
Concen: 0.506 ppbv
RT: 8.221 min Scan# 2513
Delta R.T. -0.000 min
Lab File: VL041751.D
Acq: 16 Dec 2024 12:59

Tgt Ion: 164 Resp: 3489
Ion Ratio Lower Upper
164 100
166 108.5 99.8 149.6
129 106.9 79.6 119.4
131 85.4 78.6 117.8





#53

Toluene

Concen: 0.221 ppbv

RT: 6.936 min Scan# 2114

Delta R.T. 0.006 min

Lab File: VL041751.D

Acq: 16 Dec 2024 12:59

Instrument :

MSVOA_L

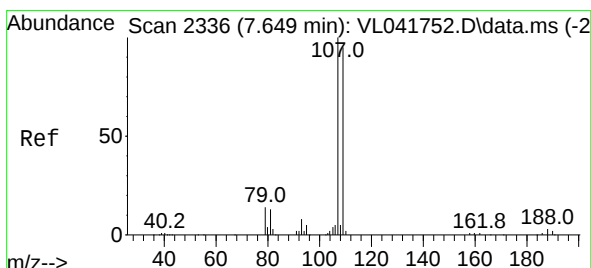
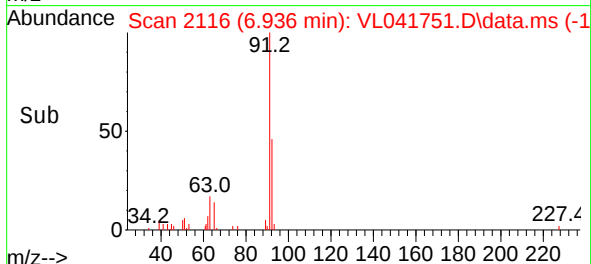
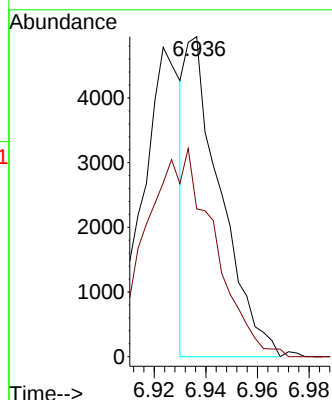
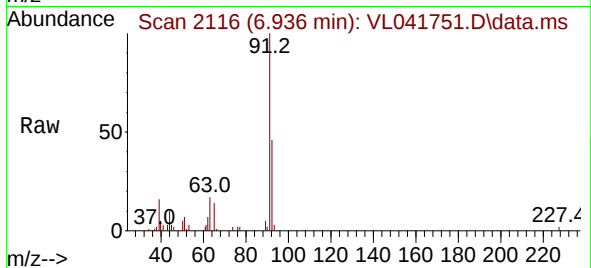
ClientSampleId :

Tgt Ion: 91 Resp: 4652

Ion Ratio Lower Upper

91 100

92 130.2 47.9 71.9#



#54

1,2-Dibromoethane

Concen: 0.470 ppbv

RT: 7.652 min Scan# 2337

Delta R.T. 0.003 min

Lab File: VL041751.D

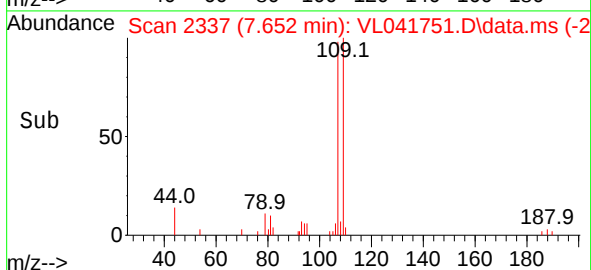
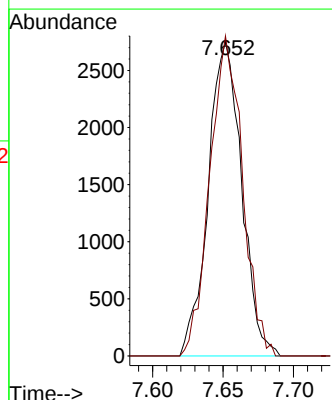
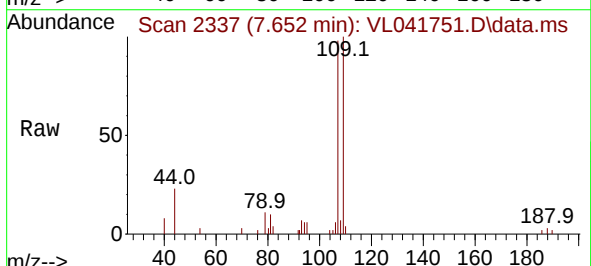
Acq: 16 Dec 2024 12:59

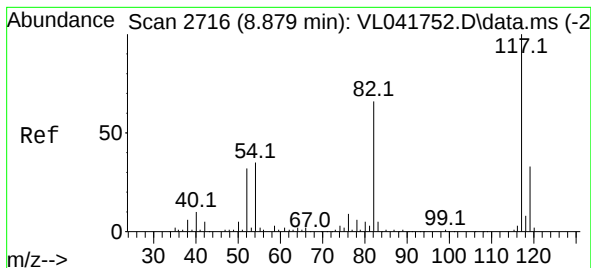
Tgt Ion: 107 Resp: 4540

Ion Ratio Lower Upper

107 100

109 102.0 75.9 113.9





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.878 min Scan# 2716

Delta R.T. -0.000 min

Lab File: VL041751.D

Acq: 16 Dec 2024 12:59

Instrument :

MSVOA_L

ClientSampleId :

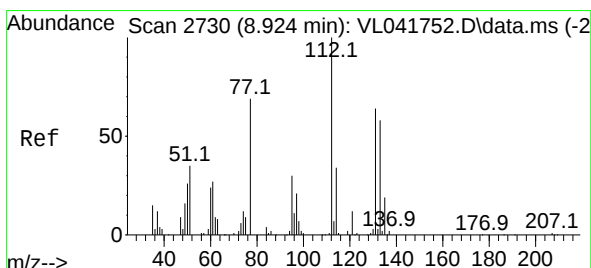
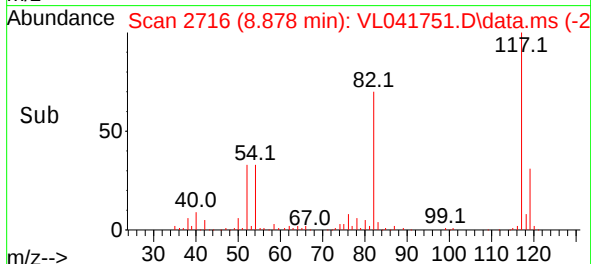
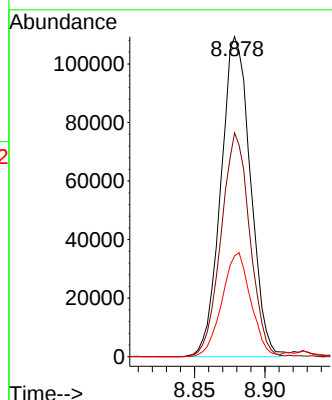
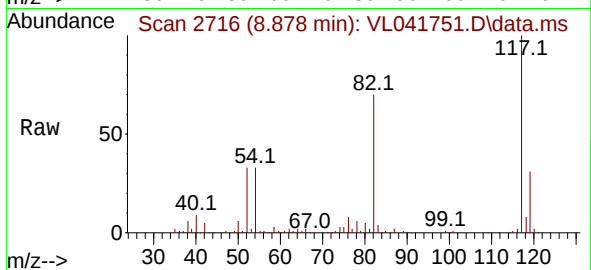
Tgt Ion:117 Resp: 159477

Ion Ratio Lower Upper

117 100

82 68.2 53.8 80.8

119 33.2 26.7 40.1



#56

1,1,1,2-Tetrachloroethane

Concen: 0.221 ppbv

RT: 8.927 min Scan# 2731

Delta R.T. 0.003 min

Lab File: VL041751.D

Acq: 16 Dec 2024 12:59

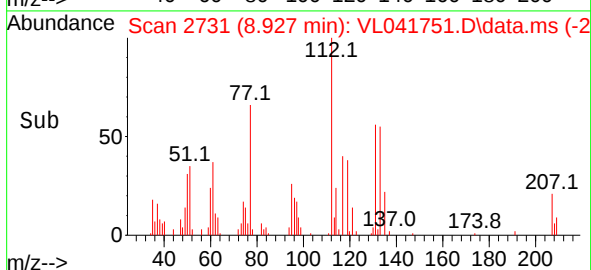
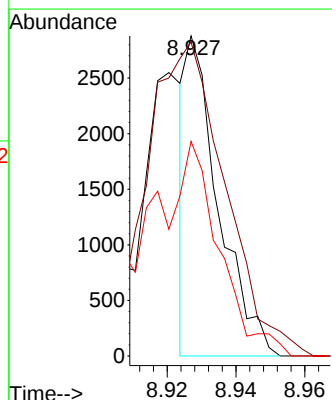
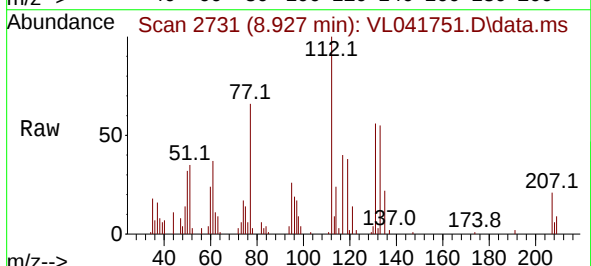
Tgt Ion:131 Resp: 1867

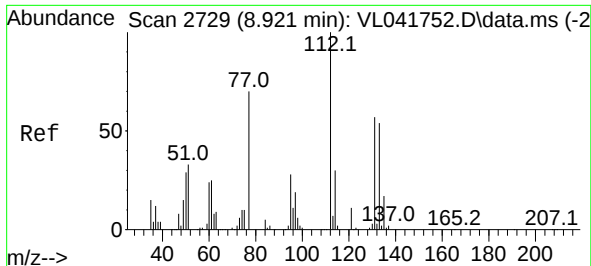
Ion Ratio Lower Upper

131 100

133 241.5 76.8 115.2#

119 0.0 49.0 73.6#





#57

Chlorobenzene

Concen: 0.528 ppbv

RT: 8.924 min Scan# 21

Delta R.T. 0.003 min

Lab File: VL041751.D

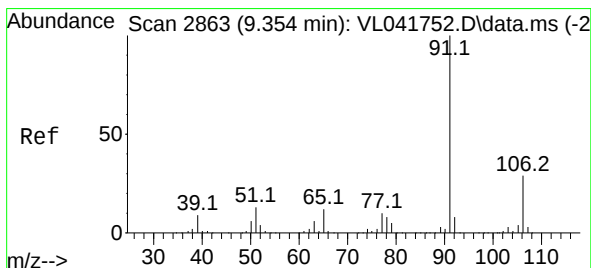
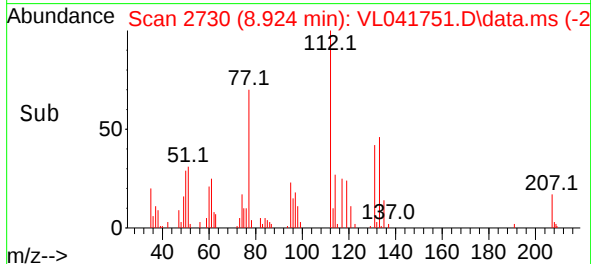
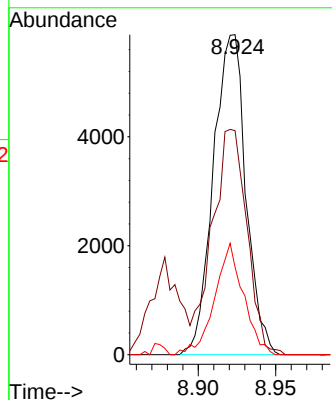
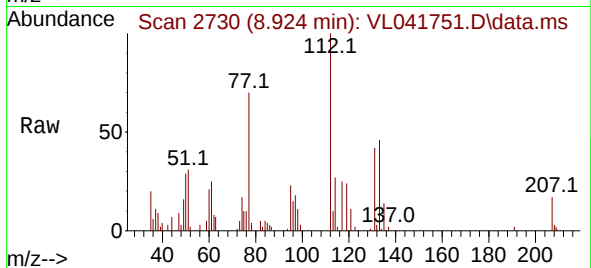
Acq: 16 Dec 2024 12:59

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:112	Resp:	8615
Ion Ratio	Lower	Upper
112	100	
77	68.7	57.4 86.0
114	27.4	27.4 33.4#



#58

Ethyl Benzene

Concen: 0.531 ppbv

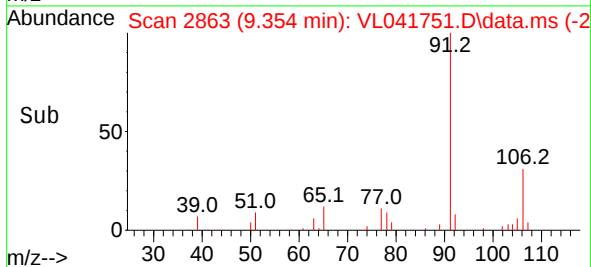
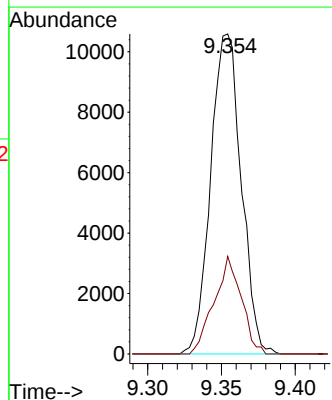
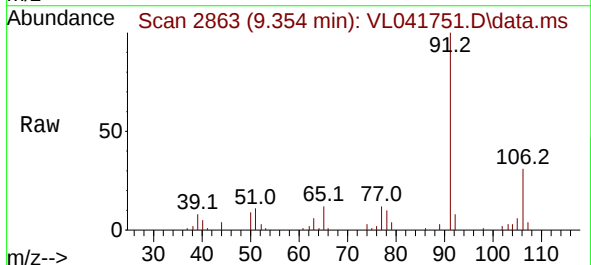
RT: 9.354 min Scan# 2863

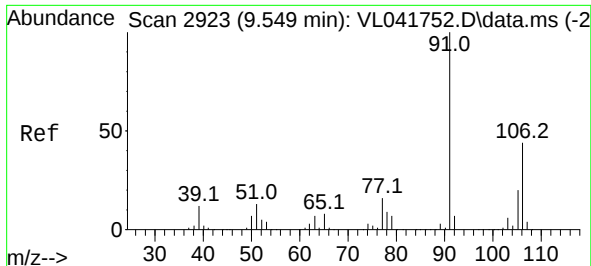
Delta R.T. -0.000 min

Lab File: VL041751.D

Acq: 16 Dec 2024 12:59

Tgt Ion: 91	Resp:	15254
Ion Ratio	Lower	Upper
91	100	
106	30.5	23.5 35.3





#59

m/p-Xylene

Concen: 0.432 ppbv

RT: 9.552 min Scan# 2924

Delta R.T. 0.003 min

Lab File: VL041751.D

Acq: 16 Dec 2024 12:59

Instrument :

MSVOA_L

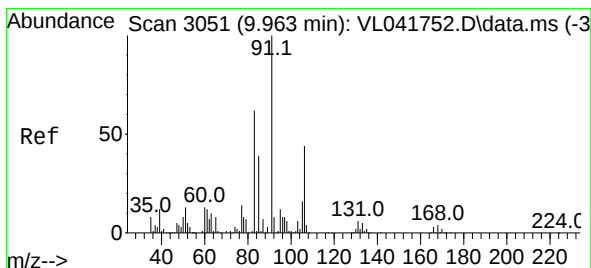
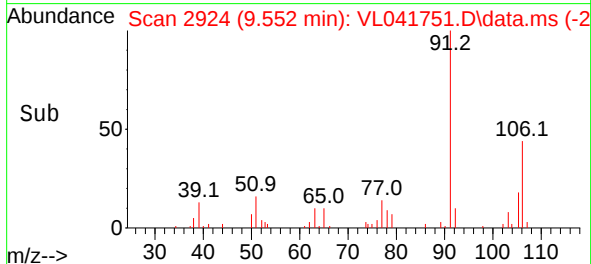
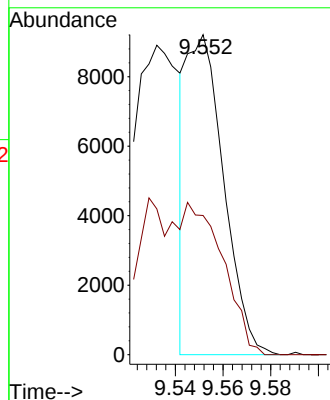
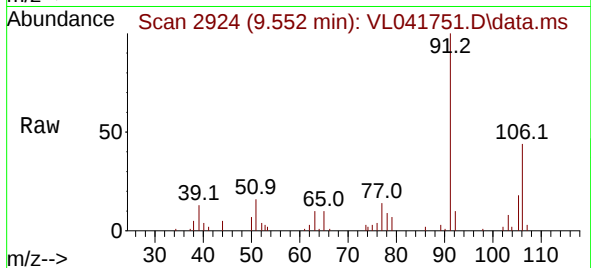
ClientSampleId :

Tgt Ion: 91 Resp: 9984

Ion Ratio Lower Upper

91 100

106 0.0 0.0 0.0



#60

o-Xylene

Concen: 0.494 ppbv

RT: 9.966 min Scan# 3052

Delta R.T. 0.003 min

Lab File: VL041751.D

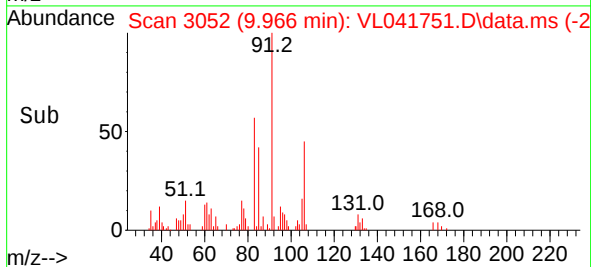
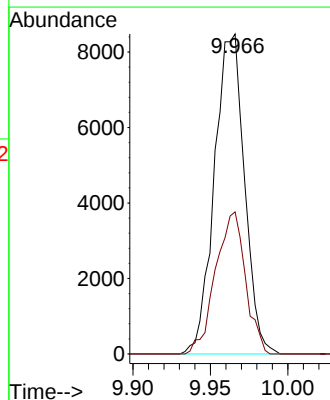
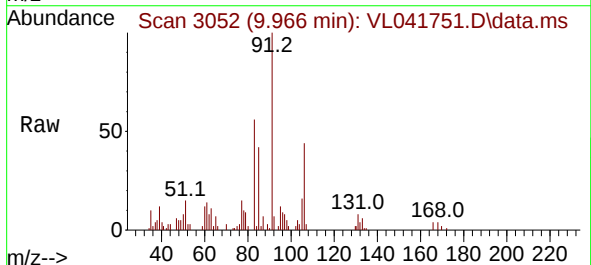
Acq: 16 Dec 2024 12:59

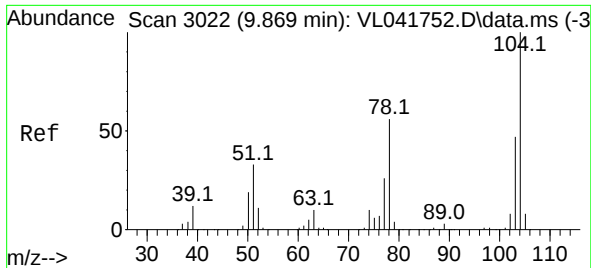
Tgt Ion: 91 Resp: 11437

Ion Ratio Lower Upper

91 100

106 44.2 21.1 63.4

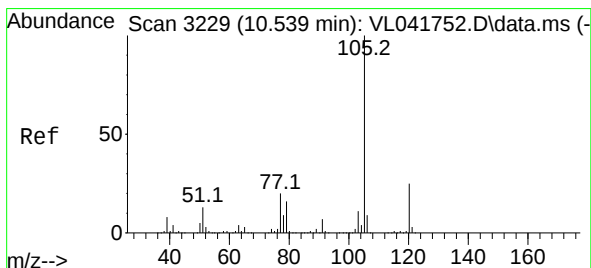
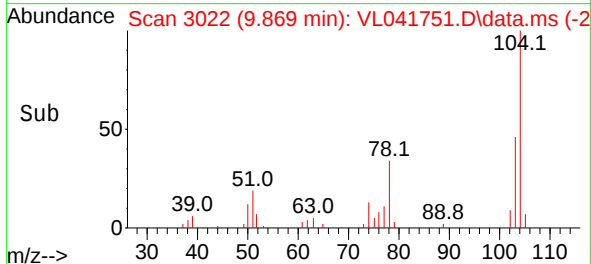
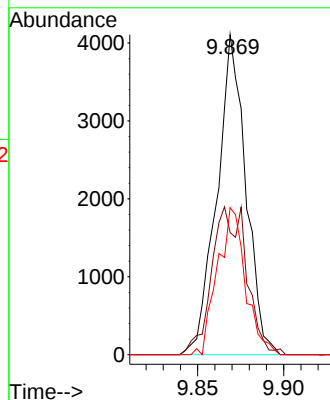
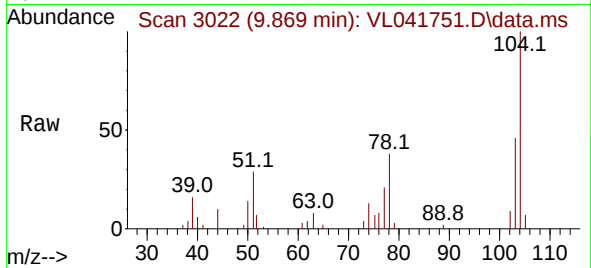




#61
Styrene
Concen: 0.481 ppbv
RT: 9.869 min Scan# 3022
Delta R.T. -0.000 min
Lab File: VL041751.D
Acq: 16 Dec 2024 12:59

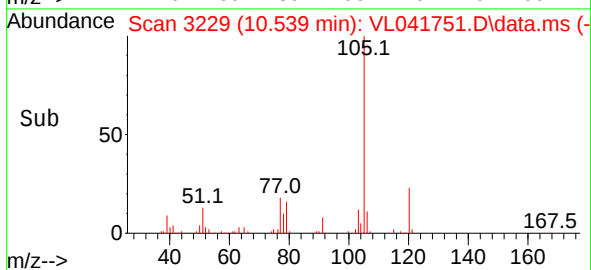
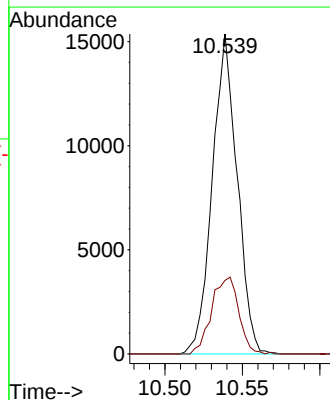
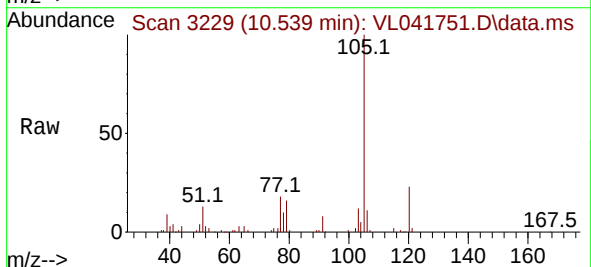
Instrument :
MSVOA_L
ClientSampleId :

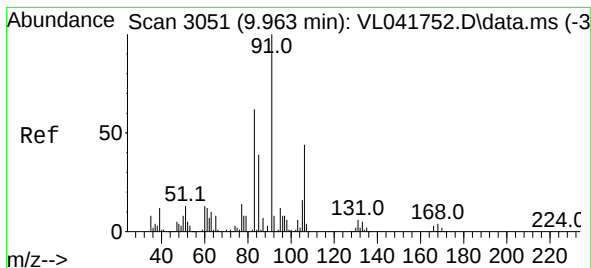
Tgt Ion:104 Resp: 4817
Ion Ratio Lower Upper
104 100
78 55.0 43.8 65.6
103 44.4 37.8 56.6



#62
Isopropylbenzene
Concen: 0.492 ppbv
RT: 10.539 min Scan# 3229
Delta R.T. -0.000 min
Lab File: VL041751.D
Acq: 16 Dec 2024 12:59

Tgt Ion:105 Resp: 17120
Ion Ratio Lower Upper
105 100
120 26.2 19.8 29.8





#63

1,1,2,2-Tetrachloroethane

Concen: 0.498 ppbv

RT: 9.963 min Scan# 3051

Delta R.T. -0.000 min

Lab File: VL041751.D

Acq: 16 Dec 2024 12:59

Instrument :

MSVOA_L

ClientSampleId :

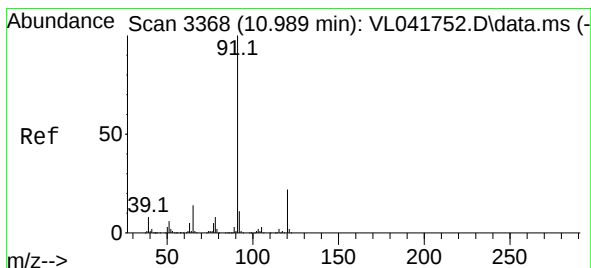
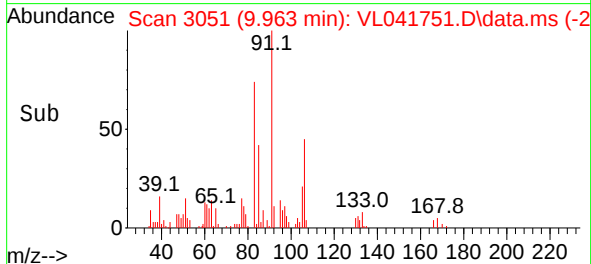
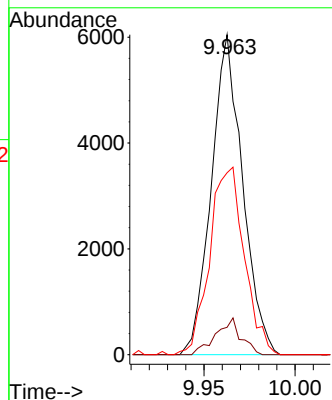
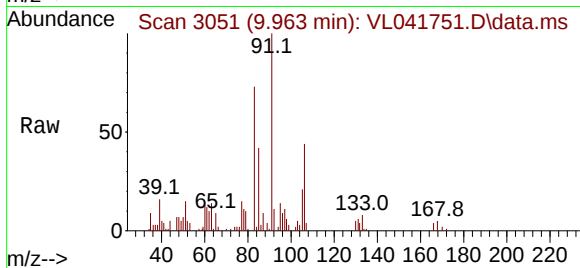
Tgt Ion: 83 Resp: 7218

Ion Ratio Lower Upper

83 100

131 9.2 4.9 14.7

85 64.9 32.0 96.2



#64

n-propylbenzene

Concen: 0.489 ppbv

RT: 10.992 min Scan# 3369

Delta R.T. 0.003 min

Lab File: VL041751.D

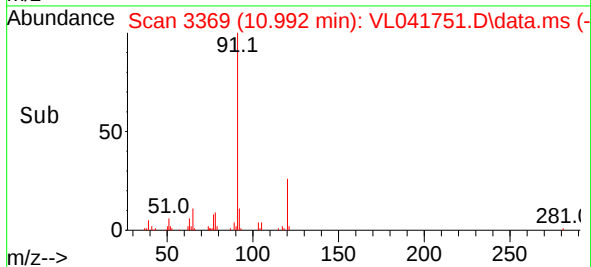
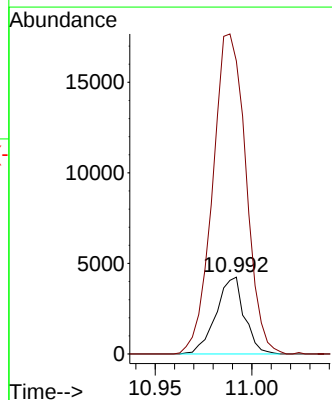
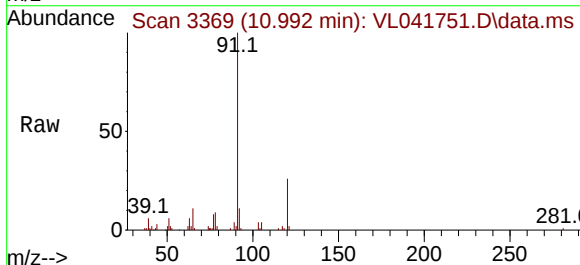
Acq: 16 Dec 2024 12:59

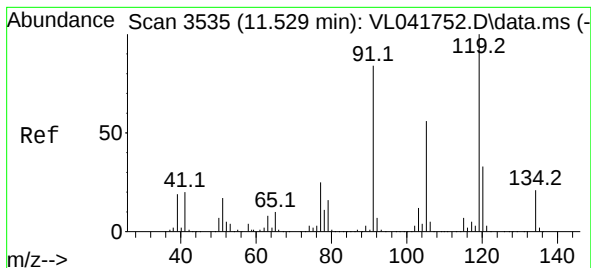
Tgt Ion:120 Resp: 4302

Ion Ratio Lower Upper

120 100

91 490.3 387.3 580.9





#65

tert-Butylbenzene

Concen: 0.493 ppbv

RT: 11.532 min Scan# 3536

Delta R.T. 0.003 min

Lab File: VL041751.D

Acq: 16 Dec 2024 12:59

Instrument :

MSVOA_L

ClientSampleId :

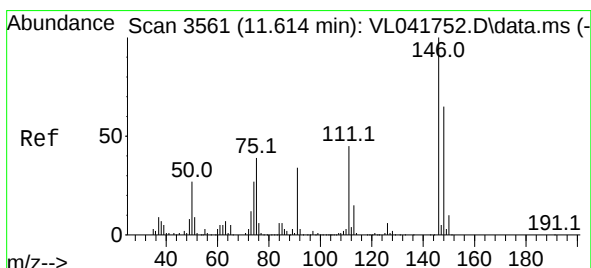
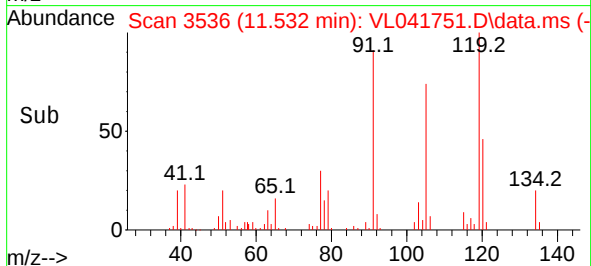
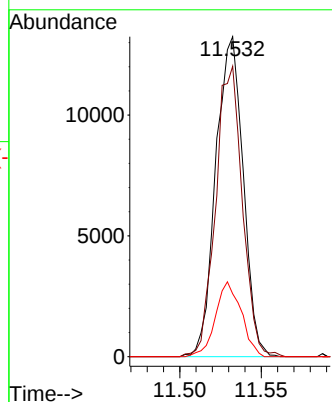
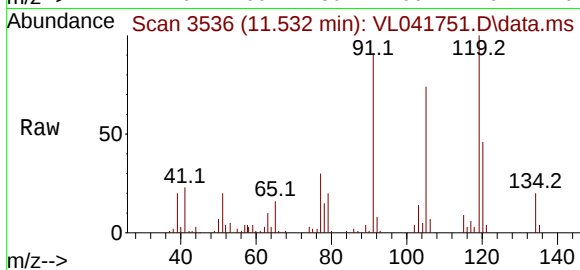
Tgt Ion:119 Resp: 15461

Ion Ratio Lower Upper

119 100

91 88.6 67.0 100.4

134 22.0 16.5 24.7



#66

Benzyl Chloride

Concen: 0.513 ppbv

RT: 11.613 min Scan# 3561

Delta R.T. -0.000 min

Lab File: VL041751.D

Acq: 16 Dec 2024 12:59

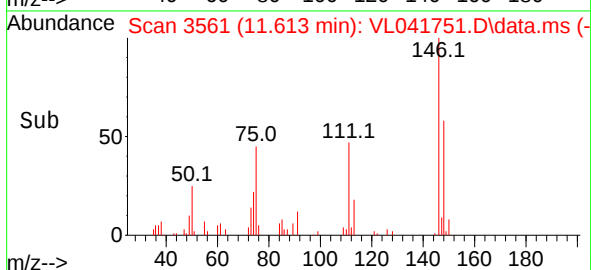
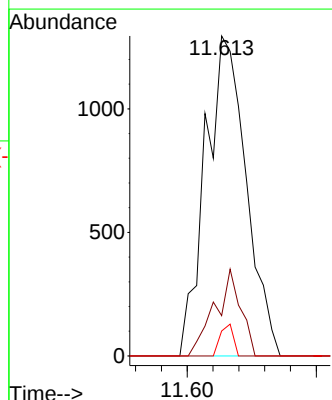
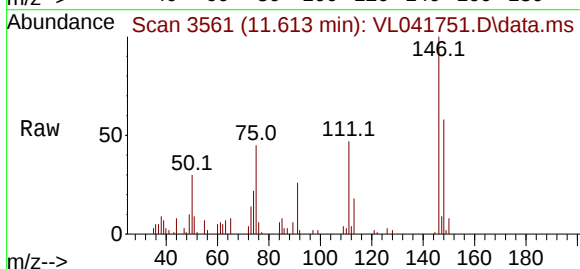
Tgt Ion: 91 Resp: 1420

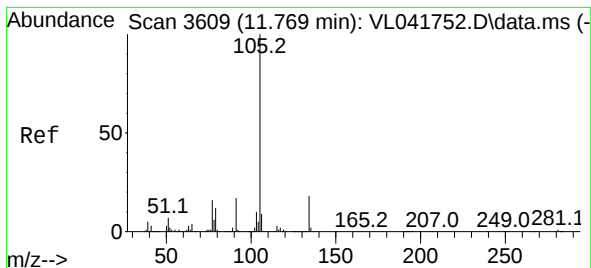
Ion Ratio Lower Upper

91 100

126 17.3 13.9 20.9

128 0.0 4.4 6.6#





#67

sec-Butylbenzene

Concen: 0.504 ppbv

RT: 11.769 min Scan# 3609

Delta R.T. -0.000 min

Lab File: VL041751.D

Acq: 16 Dec 2024 12:59

Instrument :

MSVOA_L

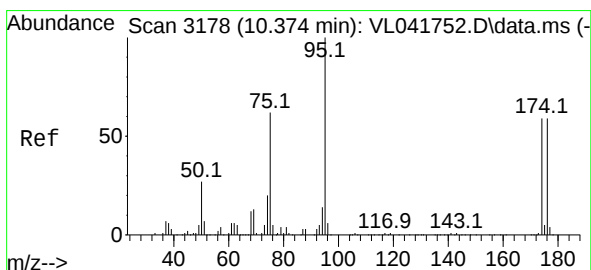
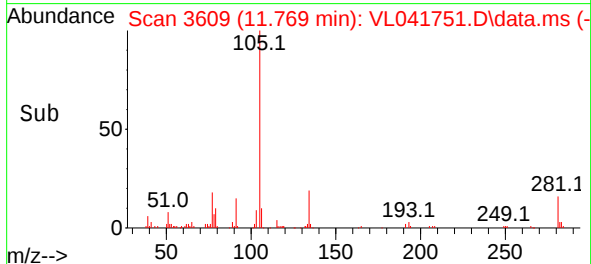
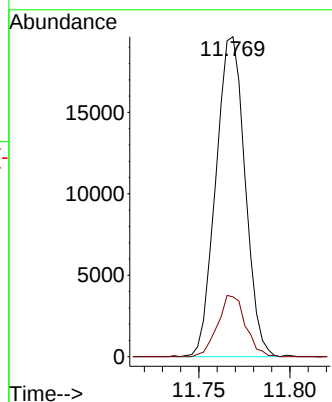
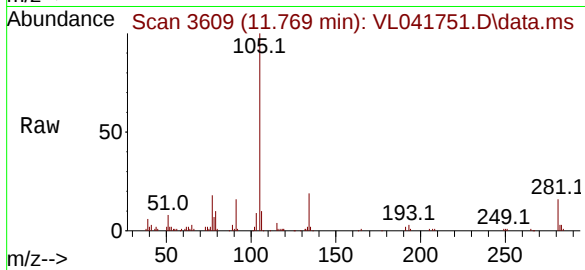
ClientSampleId :

Tgt Ion:105 Resp: 21894

Ion Ratio Lower Upper

105 100

134 18.3 14.5 21.7



#68

1-Bromo-4-Fluorobenzene

Concen: 9.851 ppbv

RT: 10.374 min Scan# 3178

Delta R.T. -0.000 min

Lab File: VL041751.D

Acq: 16 Dec 2024 12:59

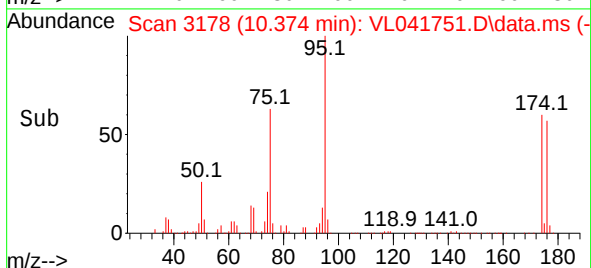
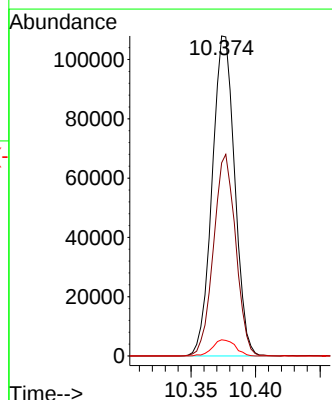
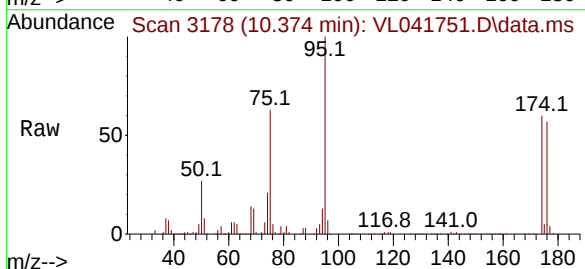
Tgt Ion: 95 Resp: 130911

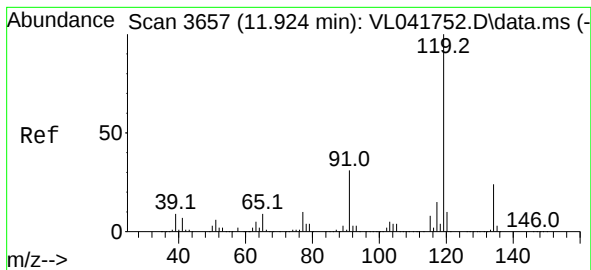
Ion Ratio Lower Upper

95 100

174 61.9 47.6 71.4

175 5.1 3.7 5.5





#69

p-Isopropyltoluene

Concen: 0.480 ppbv

RT: 11.927 min Scan# 3

Delta R.T. 0.003 min

Lab File: VL041751.D

Acq: 16 Dec 2024 12:59

Instrument :

MSVOA_L

ClientSampleId :

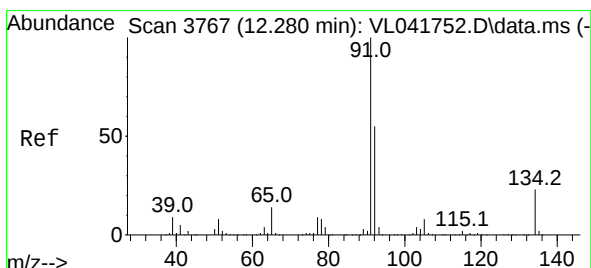
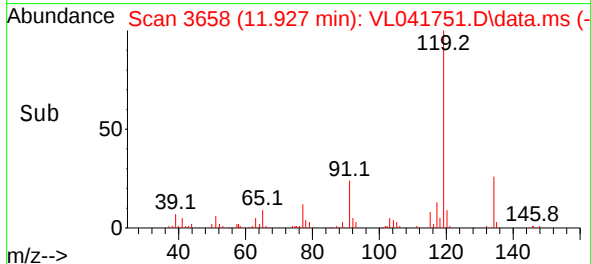
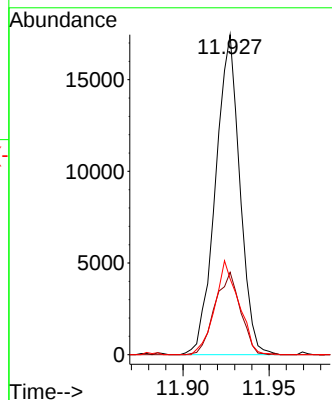
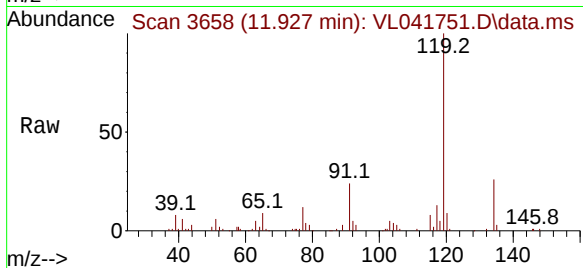
Tgt Ion:119 Resp: 17188

Ion Ratio Lower Upper

119 100

134 27.1 19.6 29.4

91 29.3 24.4 36.6



#70

n-Butylbenzene

Concen: 0.486 ppbv

RT: 12.280 min Scan# 3767

Delta R.T. -0.000 min

Lab File: VL041751.D

Acq: 16 Dec 2024 12:59

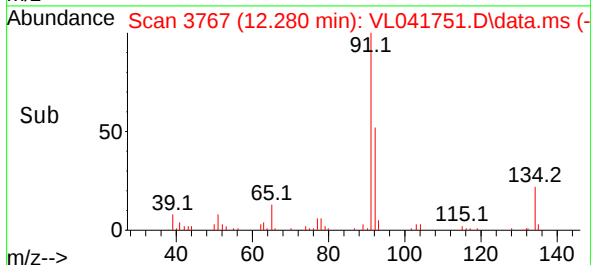
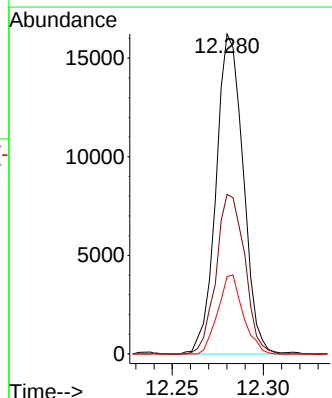
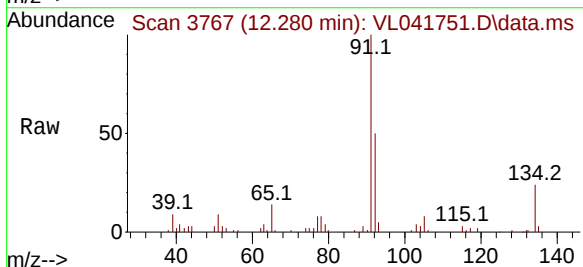
Tgt Ion: 91 Resp: 16790

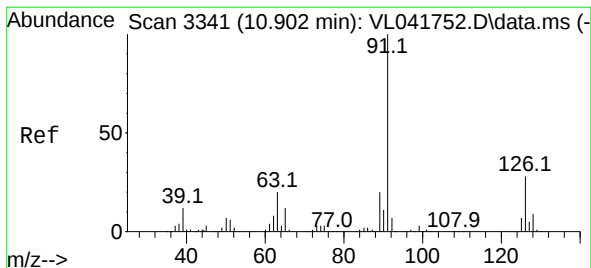
Ion Ratio Lower Upper

91 100

92 52.5 43.2 64.8

134 23.0 18.2 27.4





#71

2-Chlorotoluene

Concen: 0.508 ppbv

RT: 10.898 min Scan# 3410

Delta R.T. -0.004 min MSVOA_L

Lab File: VL041751.D

Acq: 16 Dec 2024 12:59

Instrument :

MSVOA_L

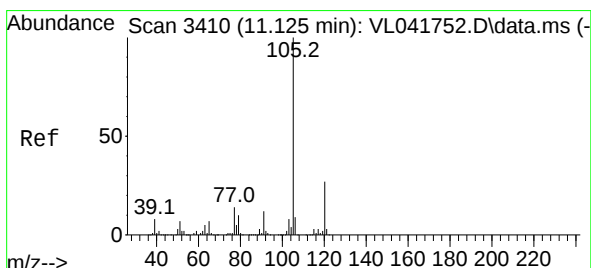
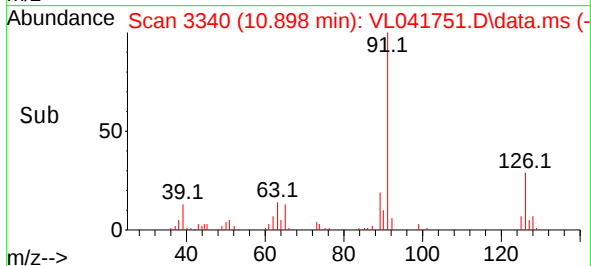
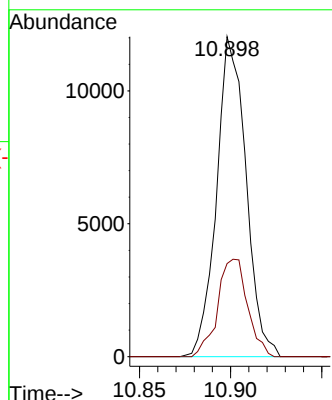
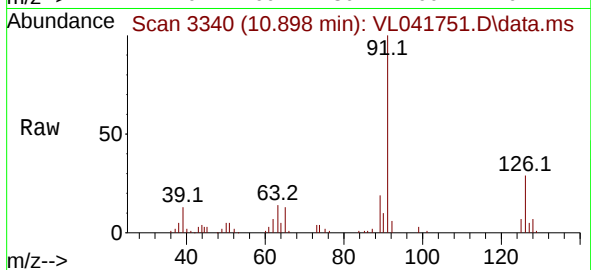
ClientSampleId :

Tgt Ion: 91 Resp: 13493

Ion Ratio Lower Upper

91 100

126 31.0 11.6 46.4



#72

4-Ethyltoluene

Concen: 0.445 ppbv

RT: 11.125 min Scan# 3410

Delta R.T. -0.000 min

Lab File: VL041751.D

Acq: 16 Dec 2024 12:59

Tgt Ion:105 Resp: 12131

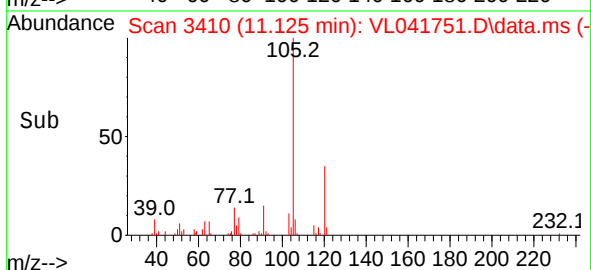
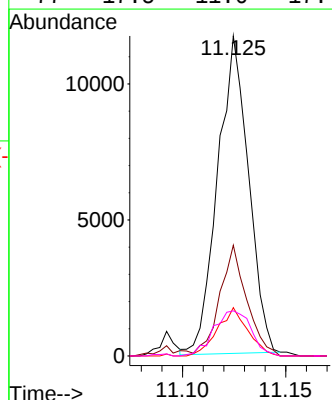
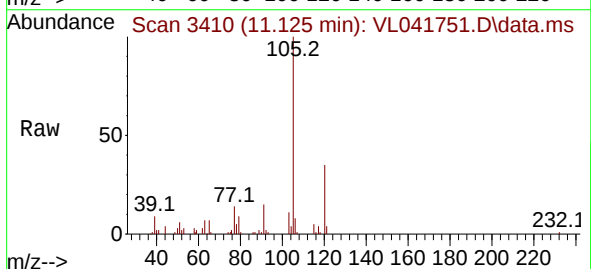
Ion Ratio Lower Upper

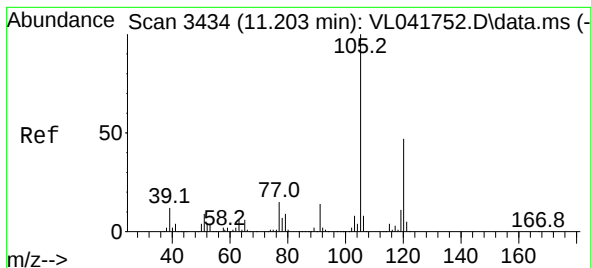
105 100

120 32.7 23.3 34.9

91 15.0 10.9 16.3

77 17.5 11.6 17.4#





#73

1,3,5-Trimethylbenzene

Concen: 0.500 ppbv

RT: 11.202 min Scan# 3434

Delta R.T. -0.000 min

Lab File: VL041751.D

Acq: 16 Dec 2024 12:59

Instrument :

MSVOA_L

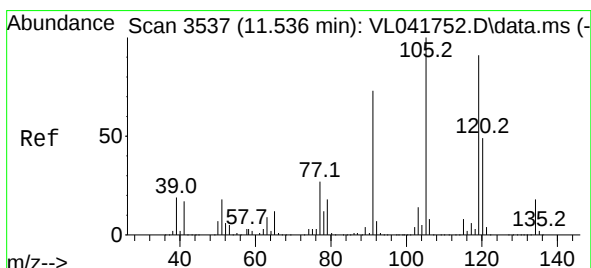
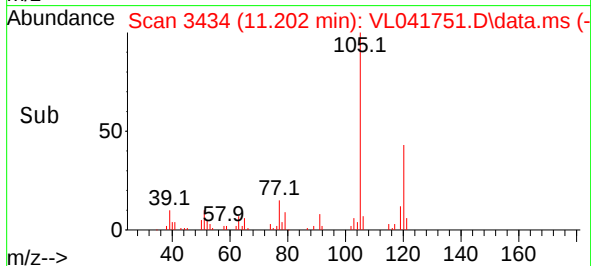
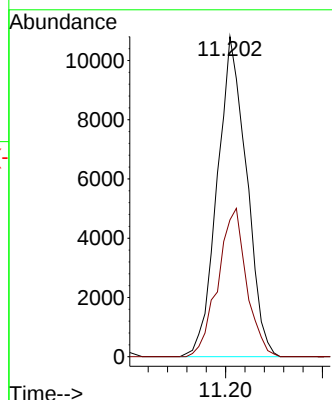
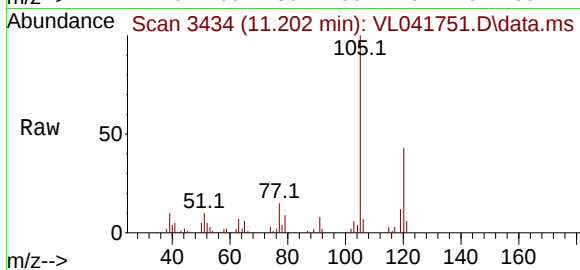
ClientSampleId :

Tgt Ion:105 Resp: 11333

Ion Ratio Lower Upper

105 100

120 42.7 37.4 56.2



#74

1,2,4-Trimethylbenzene

Concen: 0.489 ppbv

RT: 11.536 min Scan# 3537

Delta R.T. -0.000 min

Lab File: VL041751.D

Acq: 16 Dec 2024 12:59

Tgt Ion:105 Resp: 11910

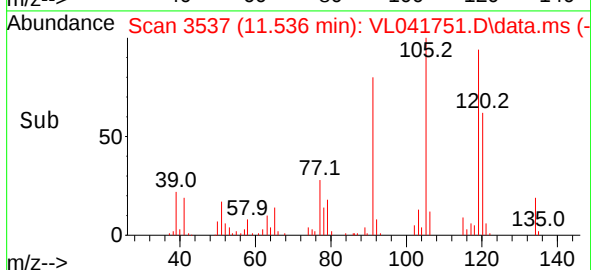
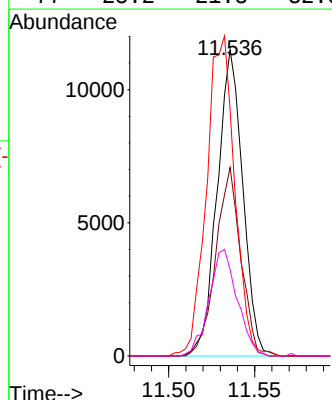
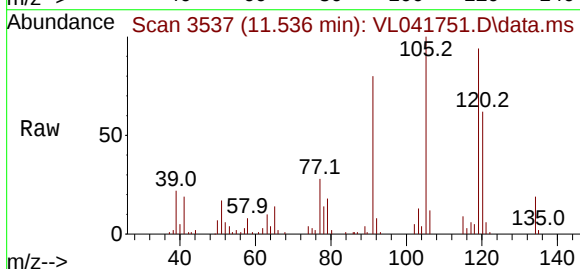
Ion Ratio Lower Upper

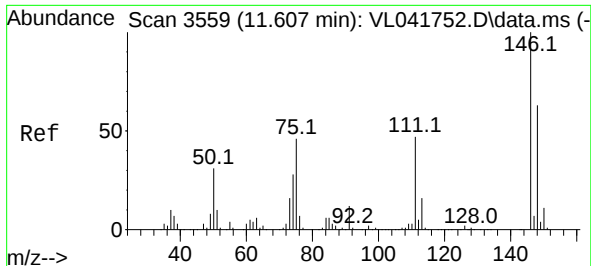
105 100

120 61.6 39.0 58.4#

91 80.3 58.1 87.1

77 28.2 21.8 32.8





#75

1,3-Dichlorobenzene

Concen: 0.518 ppbv

RT: 11.607 min Scan# 3559

Delta R.T. -0.000 min

Lab File: VL041751.D

Acq: 16 Dec 2024 12:59

Instrument :

MSVOA_L

ClientSampleId :

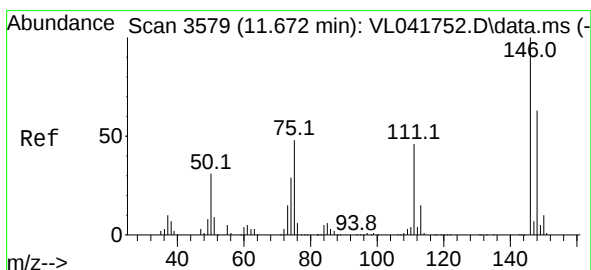
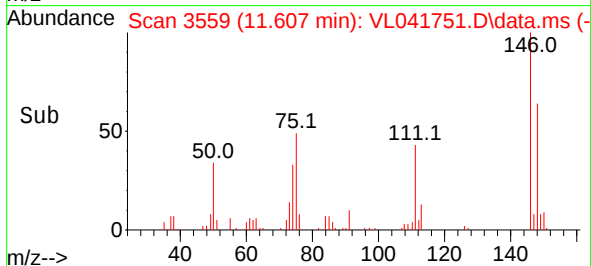
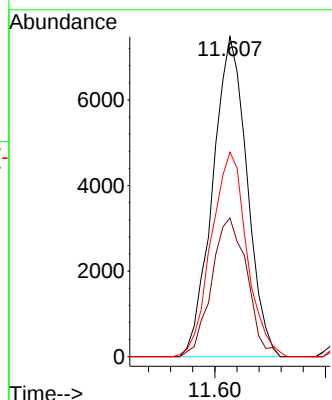
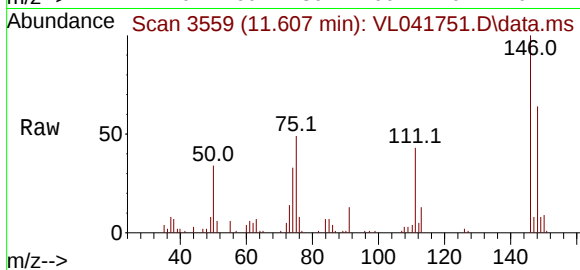
Tgt Ion:146 Resp: 8054

Ion Ratio Lower Upper

146 100

111 44.6 23.4 70.3

148 66.2 31.6 95.0



#76

1,4-Dichlorobenzene

Concen: 0.515 ppbv

RT: 11.672 min Scan# 3579

Delta R.T. -0.000 min

Lab File: VL041751.D

Acq: 16 Dec 2024 12:59

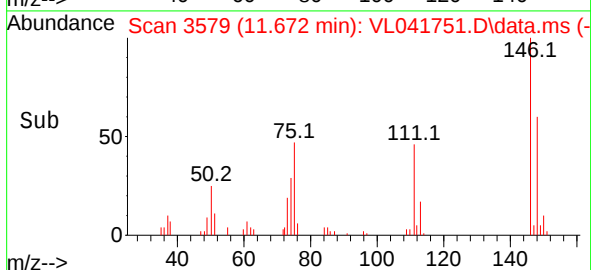
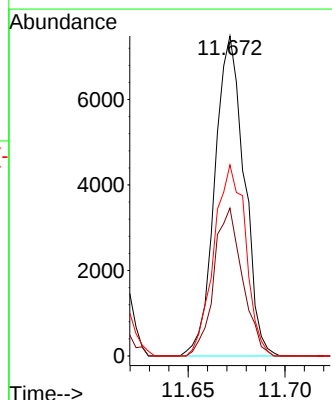
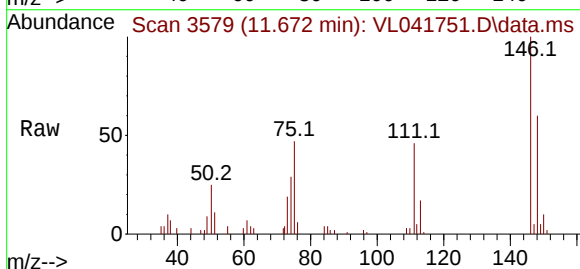
Tgt Ion:146 Resp: 7902

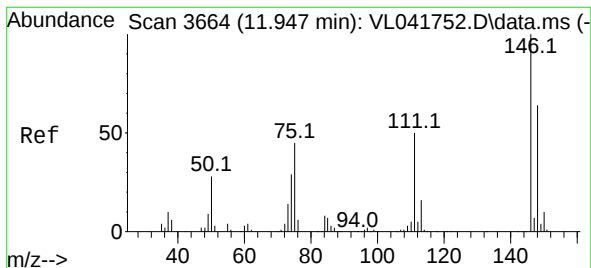
Ion Ratio Lower Upper

146 100

111 44.9 22.7 68.1

148 64.2 31.4 94.0





#77

1,2-Dichlorobenzene

Concen: 0.539 ppbv

RT: 11.947 min Scan# 3

Delta R.T. -0.000 min

Lab File: VL041751.D

Acq: 16 Dec 2024 12:59

Instrument :

MSVOA_L

ClientSampleId :

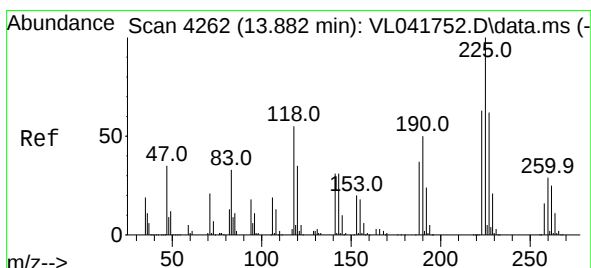
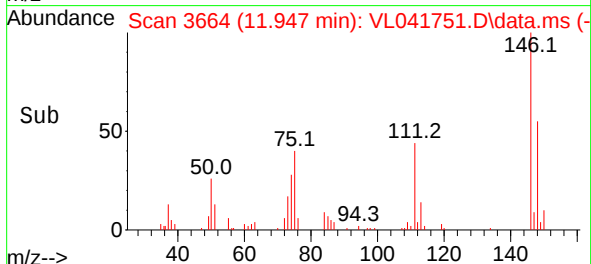
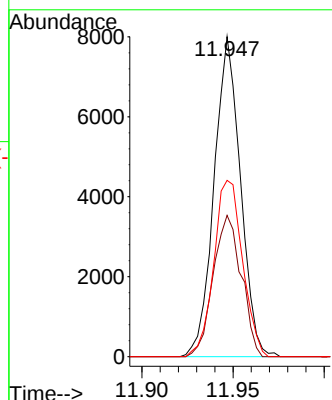
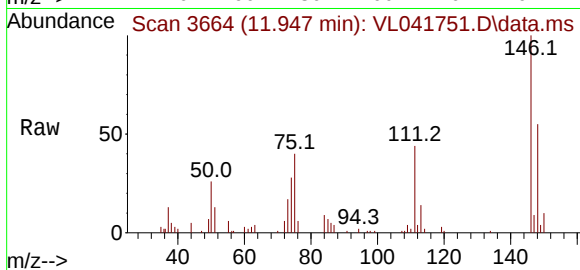
Tgt Ion:146 Resp: 8061

Ion Ratio Lower Upper

146 100

111 47.1 24.8 74.3

148 60.0 31.8 95.4



#78

Hexachloro-1,3-Butadiene

Concen: 0.562 ppbv

RT: 13.882 min Scan# 4262

Delta R.T. -0.000 min

Lab File: VL041751.D

Acq: 16 Dec 2024 12:59

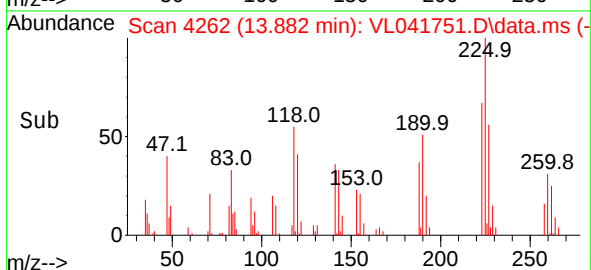
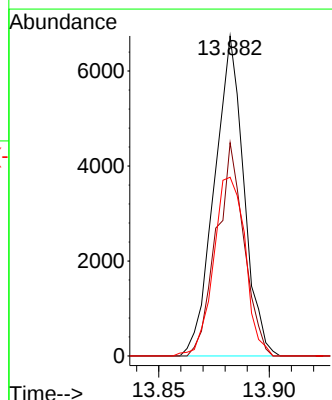
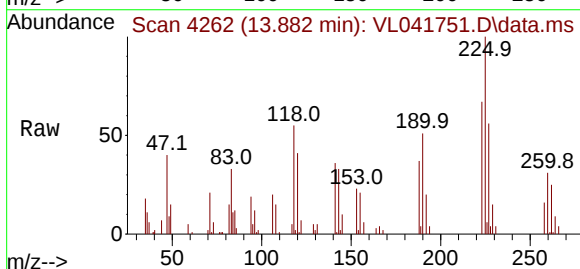
Tgt Ion:225 Resp: 6237

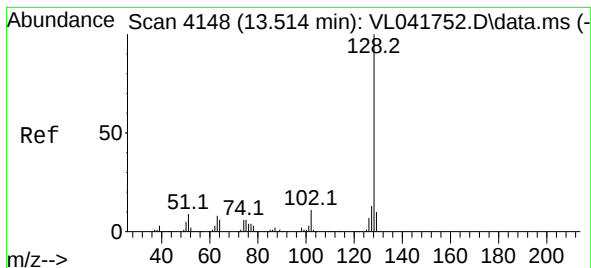
Ion Ratio Lower Upper

225 100

223 62.6 50.5 75.7

227 60.1 50.3 75.5





#79

Naphthalene

Concen: 0.534 ppbv

RT: 13.516 min Scan# 4148

Delta R.T. 0.003 min

Lab File: VL041751.D

Acq: 16 Dec 2024 12:59

Instrument :

MSVOA_L

ClientSampleId :

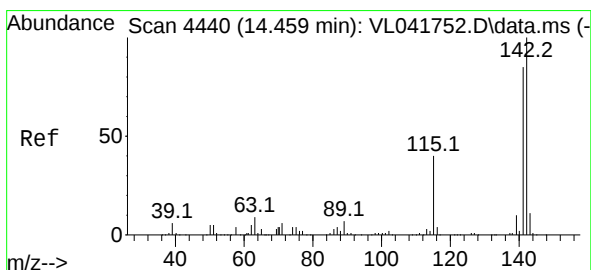
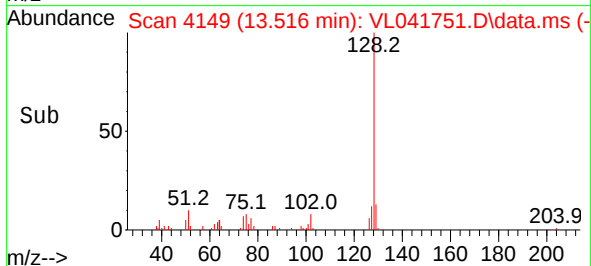
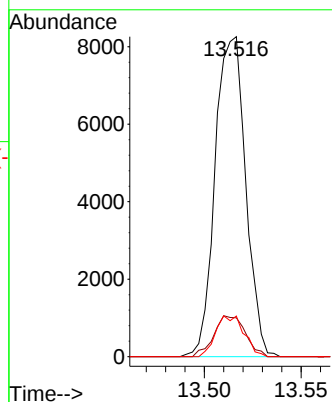
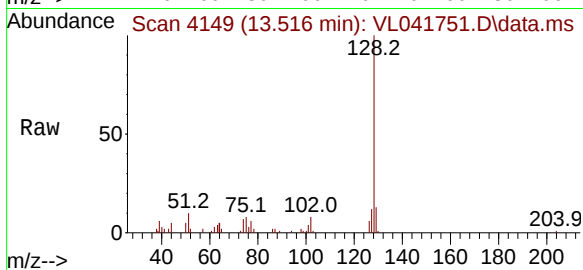
Tgt Ion:128 Resp: 9069

Ion Ratio Lower Upper

128 100

127 12.2 10.7 16.1

129 12.7 8.2 12.4#



#80

Naphthalene,2-methyl-

Concen: 0.275 ppbv

RT: 14.465 min Scan# 4442

Delta R.T. 0.006 min

Lab File: VL041751.D

Acq: 16 Dec 2024 12:59

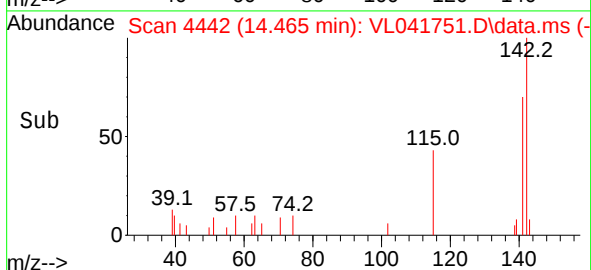
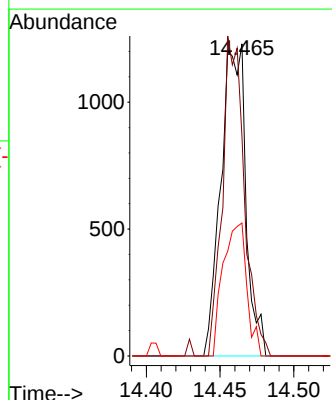
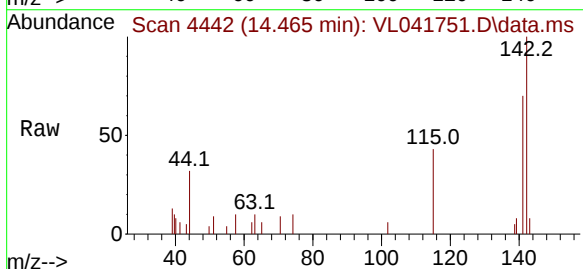
Tgt Ion:142 Resp: 1447

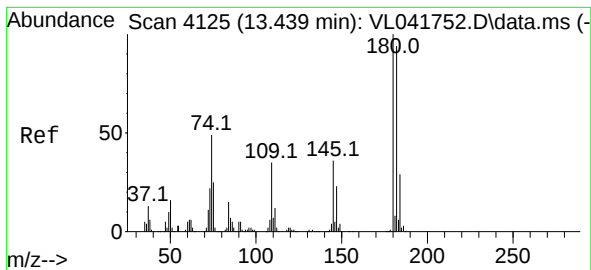
Ion Ratio Lower Upper

142 100

141 90.3 68.4 102.6

115 40.4 32.5 48.7





#81

1,2,4-Trichlorobenzene

Concen: 0.509 ppbv

RT: 13.442 min Scan# 41

Delta R.T. 0.003 min

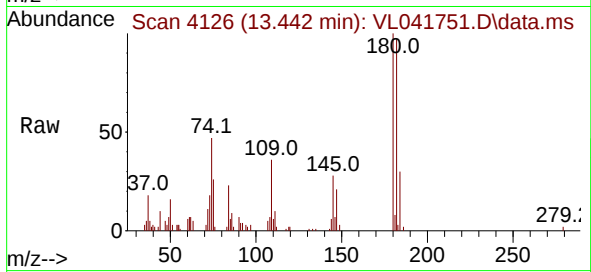
Lab File: VL041751.D

Acq: 16 Dec 2024 12:59

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion:180 Resp: 4729

Ion Ratio Lower Upper

180 100

182 93.0 77.0 115.6

184 34.2 23.8 35.8

