

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121624\
 Data File : VL041755.D
 Acq On : 16 Dec 2024 15:05
 Operator : SY/MD
 Sample : VSTDICC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Dec 19 06:14:17 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	2.787	49	66562	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	178453	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	158571	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	132273	10.010	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.100%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.496	85	6277	0.530	ppbv	94
3) Chlorodifluoromethane	1.476	51	5587	0.515	ppbv	95
4) Chloromethane	1.531	50	2452	0.529	ppbv	90
5) Vinyl Chloride	1.580	62	2269	0.486	ppbv	97
6) Bromomethane	1.667	94	1143	0.519	ppbv #	78
7) Chloroethane	1.703	64	939	0.518	ppbv	88
8) Dichlorotetrafluoroethane	1.554	85	5699	0.538	ppbv	97
9) Propene	1.483	41	2622	0.557	ppbv #	82
10) Heptane	4.978	43	5865	0.485	ppbv	98
11) Trichlorofluoromethane	1.878	101	6594	0.524	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.140	101	4962	0.519	ppbv	96
13) Ethanol	1.719	45	378	0.966	ppbv	96
14) Bromoethene	1.781	108	1694	0.524	ppbv #	93
15) Acetone	1.836	43	8233	0.636	ppbv	97
16) 1,3-Butadiene	1.609	39	2966	0.582	ppbv	88
17) tert-Butyl alcohol	2.043	59	6654	0.518	ppbv #	91
18) 1,1-Dichloroethene	2.033	96	2022	0.504	ppbv	96
19) Isopropyl Alcohol	1.884	45	5687	0.732	ppbv #	39
20) Methylene Chloride	2.062	84	2174	0.589	ppbv #	91
21) Allyl Chloride	2.098	41	3354	0.478	ppbv	86
22) trans-1,2-Dichloroethene	2.341	96	2494	0.543	ppbv	83
23) Vinyl Acetate	2.464	43	2599	0.462	ppbv #	98
24) 1,1-Dichloroethane	2.409	63	4854	0.522	ppbv #	97
25) Ethyl Acetate	2.839	43	12040	0.497	ppbv #	97
26) Hexane	2.829	57	4735	0.518	ppbv	96
27) Carbon Disulfide	2.153	76	3409	0.414	ppbv #	37
28) Methyl tert-Butyl Ether	2.441	73	3438	0.464	ppbv	99
29) Chloroform	2.849	83	7172	0.515	ppbv	98
30) Cyclohexane	3.859	84	4051	0.521	ppbv	96
31) cis-1,2-Dichloroethene	2.723	61	4758	0.504	ppbv	91
32) 1,1,1-Trichloroethane	3.367	97	7182	0.518	ppbv	99
34) 2-Butanone	2.557	43	7756	0.540	ppbv	94
35) Carbon Tetrachloride	3.765	117	5655	0.446	ppbv	90
36) Benzene	3.658	78	9629	0.522	ppbv	97
37) 1,2-Dichloroethane	3.218	62	6154	0.536	ppbv	99
38) Trichloroethene	4.551	130	2613	0.336	ppbv #	88
39) 1,2-Dichloropropane	4.318	63	2224	0.333	ppbv #	84
40) 1,4-Dioxane	4.597	88	229	0.070	ppbv #	20
41) Tetrahydrofuran	3.066	42	4061	0.505	ppbv	99
42) Bromodichloromethane	4.490	83	3315	0.251	ppbv #	95
43) Methyl Methacrylate	4.881	69	3322	0.472	ppbv	99
44) 2,2,4-Trimethylpentane	4.645	57	9729	0.309	ppbv #	39
45) t-1,3-Dichloropropene	6.438	75	279	0.038	ppbv	92

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121624\
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 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

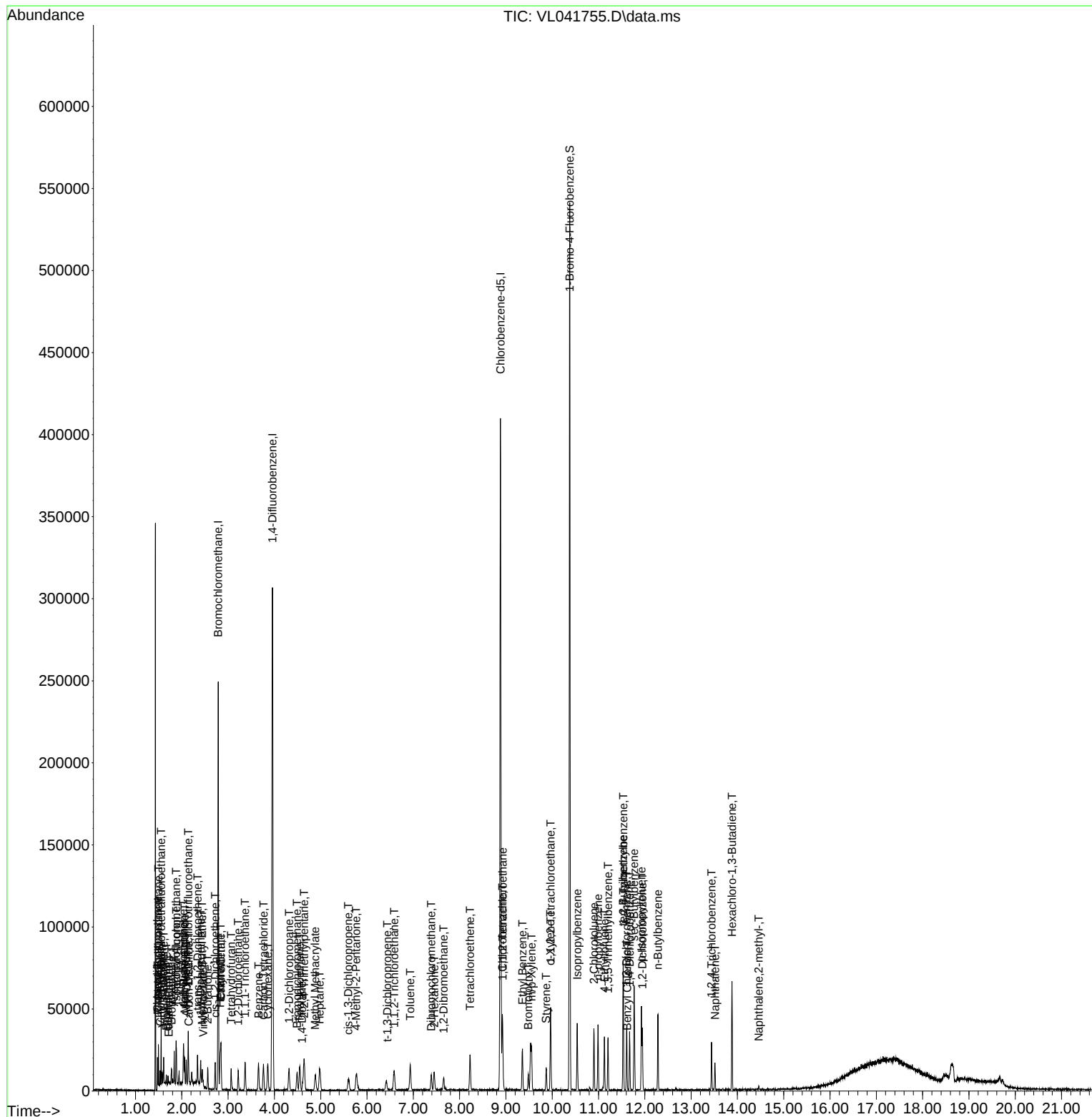
Instrument :
 MSVOA_L
 ClientSampleId :

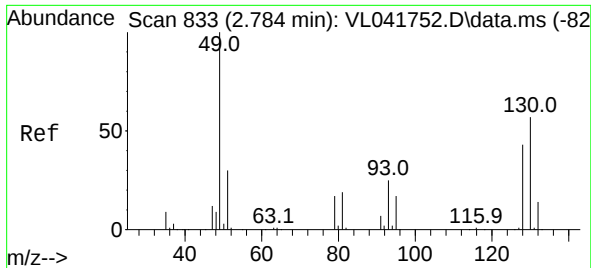
Quant Time: Dec 19 06:14:17 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121624AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Dec 19 06:09:59 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.597	75	1656	0.179	ppbv #	81
47) 1,1,2-Trichloroethane	6.587	97	2388	0.342	ppbv #	84
48) Dibromochloromethane	7.387	129	3865	0.406	ppbv	99
49) Bromoform	9.484	173	2869	0.368	ppbv	96
50) 4-Methyl-2-Pentanone	5.765	43	4771	0.244	ppbv #	41
51) 2-Hexanone	7.451	43	7412	0.468	ppbv #	99
52) Tetrachloroethene	8.225	164	3091	0.450	ppbv #	78
53) Toluene	6.933	91	10554	0.504	ppbv	99
54) 1,2-Dibromoethane	7.652	107	2762	0.287	ppbv	88
56) 1,1,1,2-Tetrachloroethane	8.930	131	1785	0.212	ppbv #	1
57) Chlorobenzene	8.927	112	4266	0.263	ppbv	95
58) Ethyl Benzene	9.358	91	13428	0.470	ppbv	97
59) m/p-Xylene	9.552	91	10592	0.461	ppbv #	100
60) o-Xylene	9.963	91	10954	0.476	ppbv	98
61) Styrene	9.869	104	4314	0.433	ppbv	94
62) Isopropylbenzene	10.542	105	16953	0.490	ppbv	95
63) 1,1,2,2-Tetrachloroethane	9.966	83	7559	0.525	ppbv	98
64) n-propylbenzene	10.989	120	4126	0.472	ppbv	92
65) tert-Butylbenzene	11.529	119	15569	0.499	ppbv	99
66) Benzyl Chloride	11.620	91	580	0.211	ppbv #	76
67) sec-Butylbenzene	11.769	105	21263	0.492	ppbv	96
69) p-Isopropyltoluene	11.928	119	17041	0.479	ppbv	99
70) n-Butylbenzene	12.284	91	15671	0.456	ppbv	99
71) 2-Chlorotoluene	10.902	91	13000	0.492	ppbv	97
72) 4-Ethyltoluene	11.128	105	13324	0.491	ppbv	98
73) 1,3,5-Trimethylbenzene	11.206	105	10497	0.466	ppbv	91
74) 1,2,4-Trimethylbenzene	11.536	105	11070	0.457	ppbv #	76
75) 1,3-Dichlorobenzene	11.604	146	8107	0.525	ppbv	99
76) 1,4-Dichlorobenzene	11.672	146	7893	0.517	ppbv	97
77) 1,2-Dichlorobenzene	11.950	146	7997	0.538	ppbv	96
78) Hexachloro-1,3-Butadiene	13.882	225	6232	0.565	ppbv	98
79) Naphthalene	13.517	128	7360	0.436	ppbv	99
80) Naphthalene,2-methyl-	14.462	142	748	0.143	ppbv	94
81) 1,2,4-Trichlorobenzene	13.442	180	4248	0.460	ppbv	93

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

Quant Time: Dec 19 06:14:17 2024
Quant Method : Z:\voasrv\HPCHEM1\MSV0A_L\methods\VL121624AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSV0A_LFri 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: 2.787 min Scan# 833

Delta R.T. 0.003 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

Instrument :

MSVOA_L

ClientSampleId :

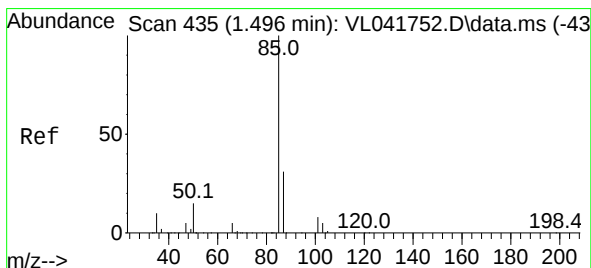
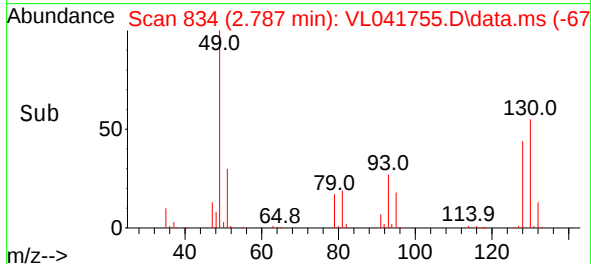
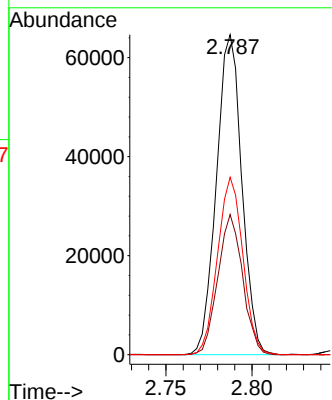
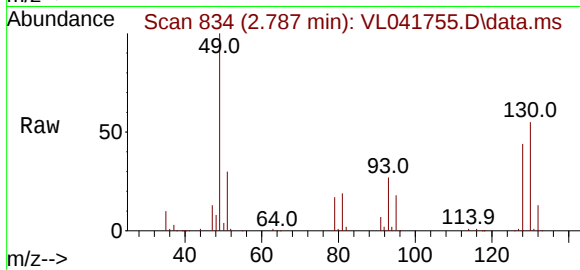
Tgt Ion: 49 Resp: 66562

Ion Ratio Lower Upper

49 100

128 42.6 21.6 64.6

130 55.1 28.3 85.0



#2

Dichlorodifluoromethane

Concen: 0.530 ppbv

RT: 1.496 min Scan# 435

Delta R.T. -0.000 min

Lab File: VL041755.D

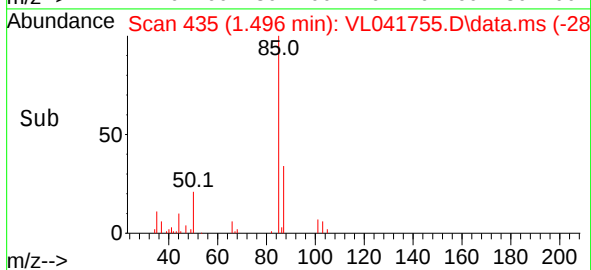
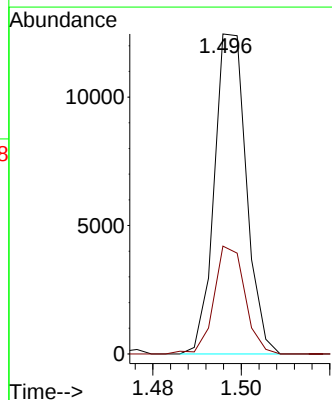
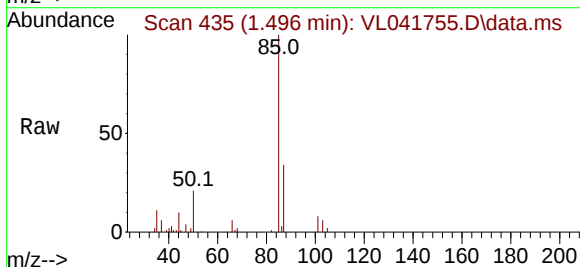
Acq: 16 Dec 2024 15:05

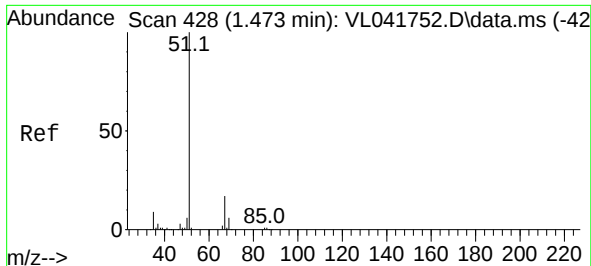
Tgt Ion: 85 Resp: 6277

Ion Ratio Lower Upper

85 100

87 33.7 24.5 36.7





#3

Chlorodifluoromethane

Concen: 0.515 ppbv

RT: 1.476 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

Instrument :

MSVOA_L

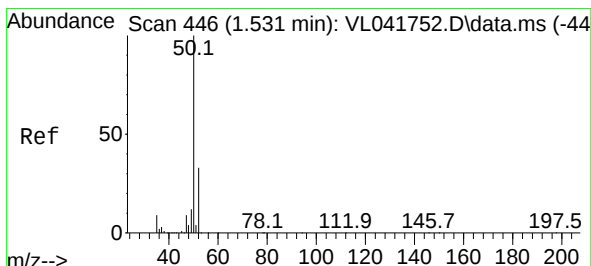
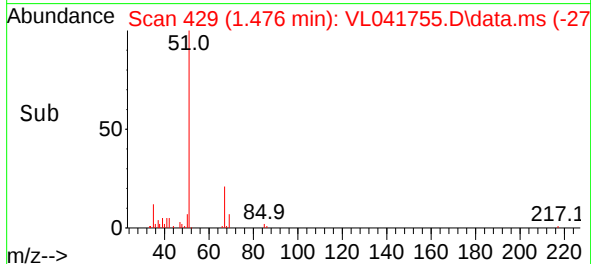
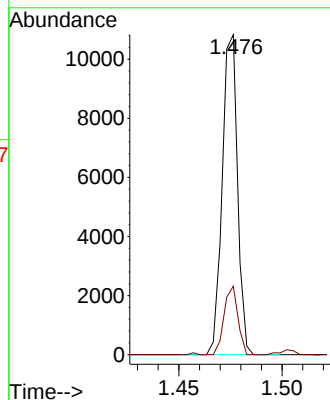
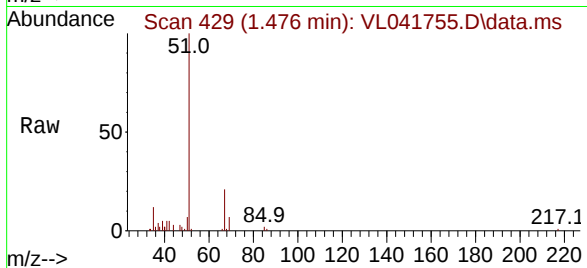
ClientSampleId :

Tgt Ion: 51 Resp: 5587

Ion Ratio Lower Upper

51 100

67 21.0 15.0 22.4



#4

Chloromethane

Concen: 0.529 ppbv

RT: 1.531 min Scan# 446

Delta R.T. -0.000 min

Lab File: VL041755.D

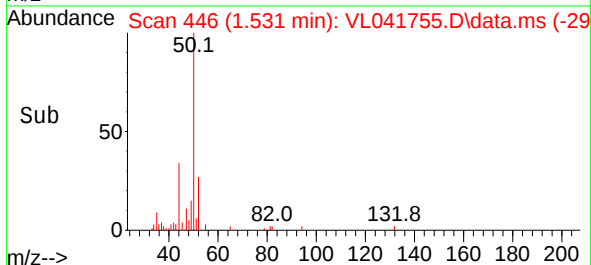
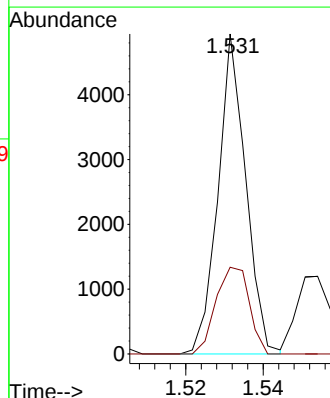
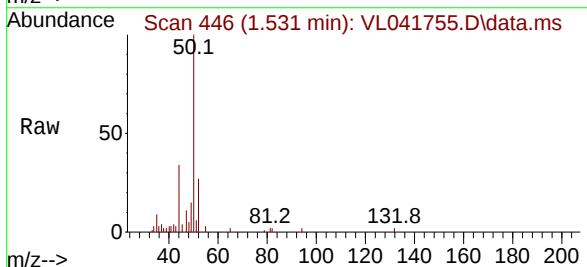
Acq: 16 Dec 2024 15:05

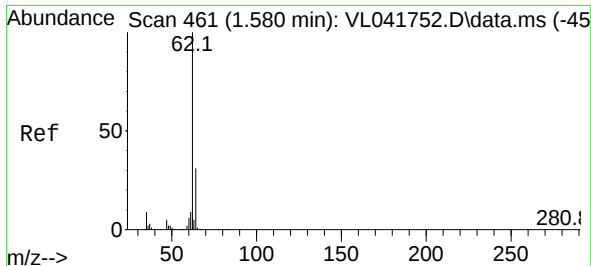
Tgt Ion: 50 Resp: 2452

Ion Ratio Lower Upper

50 100

52 27.1 26.2 39.2

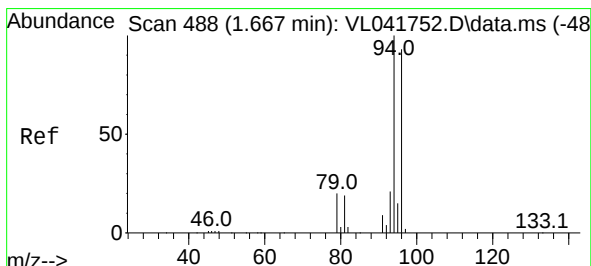
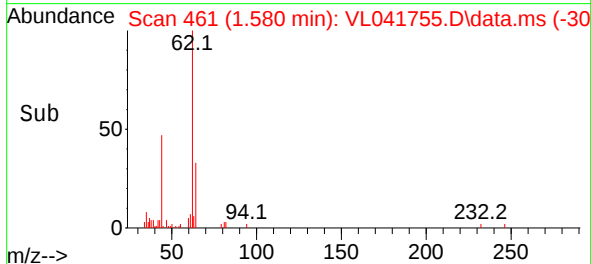
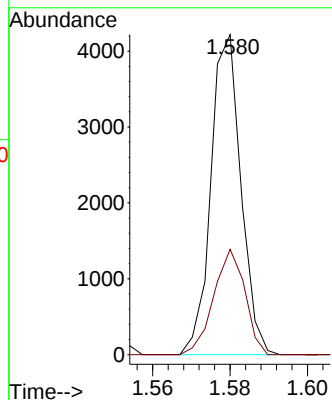
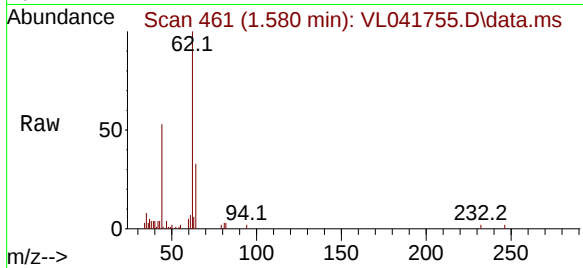




#5
 Vinyl Chloride
 Concen: 0.486 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. -0.000 min
 Lab File: VL041755.D
 Acq: 16 Dec 2024 15:05

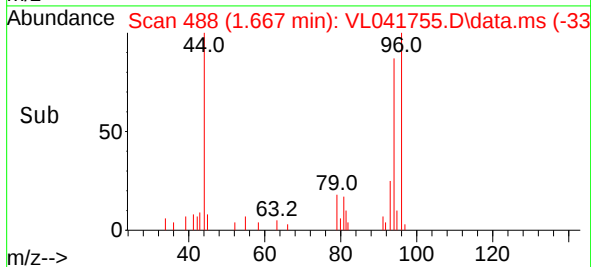
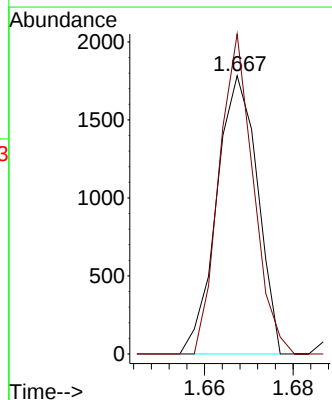
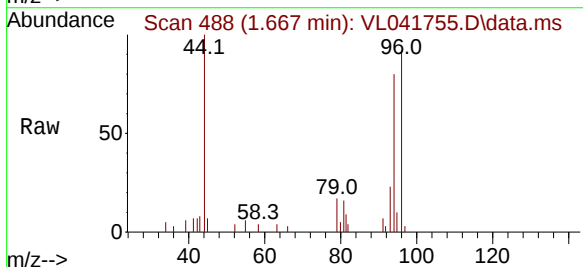
Instrument :
 MSVOA_L
 ClientSampleId :

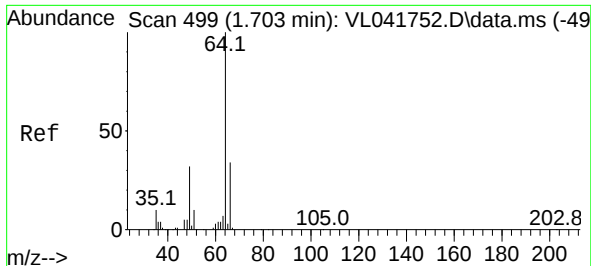
Tgt Ion: 62 Resp: 2269
 Ion Ratio Lower Upper
 62 100
 64 32.9 25.1 37.7



#6
 Bromomethane
 Concen: 0.519 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. -0.000 min
 Lab File: VL041755.D
 Acq: 16 Dec 2024 15:05

Tgt Ion: 94 Resp: 1143
 Ion Ratio Lower Upper
 94 100
 96 115.0 74.7 112.1#

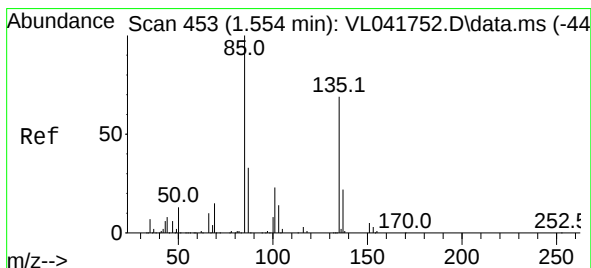
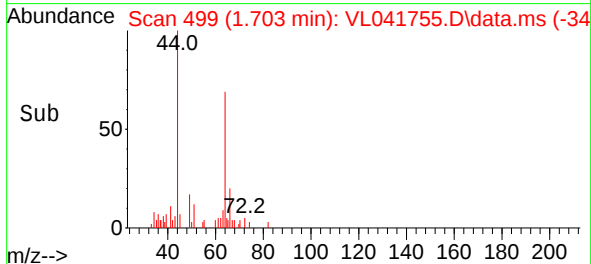
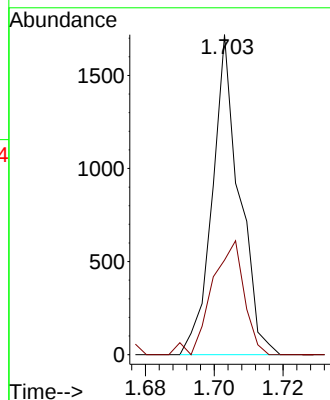
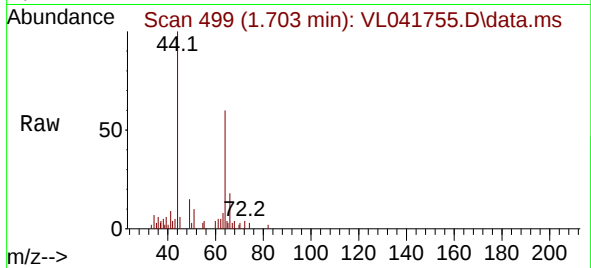




#7
Chloroethane
Concen: 0.518 ppbv
RT: 1.703 min Scan# 499
Delta R.T. -0.000 min
Lab File: VL041755.D
Acq: 16 Dec 2024 15:05

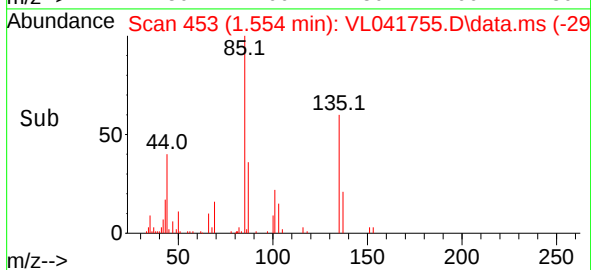
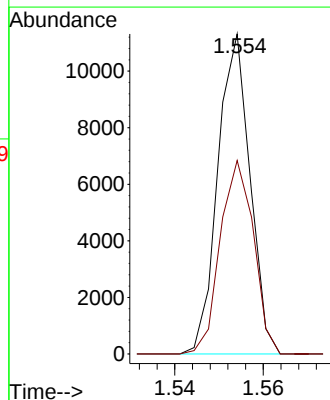
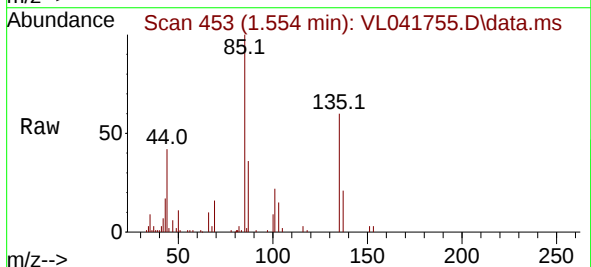
Instrument :
MSVOA_L
ClientSampleId :

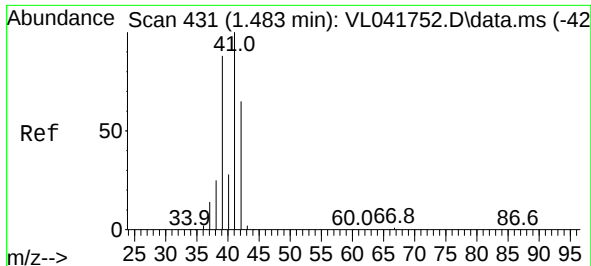
Tgt Ion: 64 Resp: 939
Ion Ratio Lower Upper
64 100
66 27.6 27.5 41.3



#8
Dichlorotetrafluoroethane
Concen: 0.538 ppbv
RT: 1.554 min Scan# 453
Delta R.T. -0.000 min
Lab File: VL041755.D
Acq: 16 Dec 2024 15:05

Tgt Ion: 85 Resp: 5699
Ion Ratio Lower Upper
85 100
135 62.8 51.9 77.9





#9

Propene

Concen: 0.557 ppbv

RT: 1.483 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

Instrument :

MSVOA_L

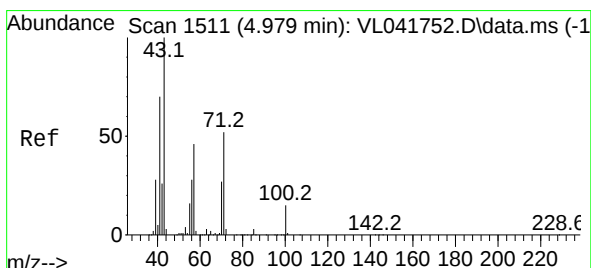
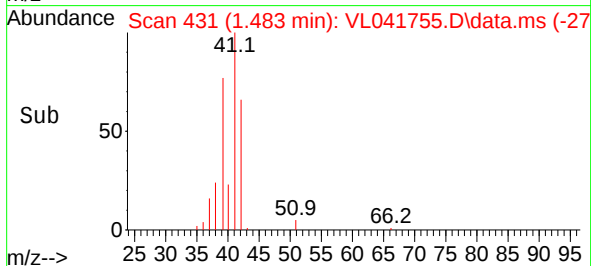
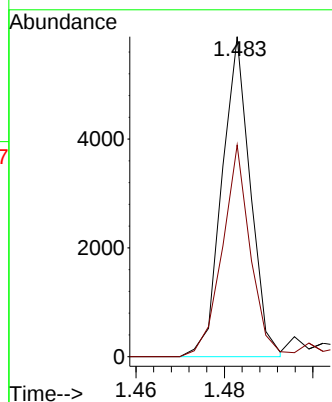
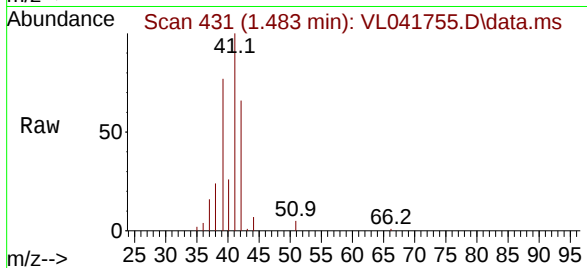
ClientSampleId :

Tgt Ion: 41 Resp: 2622

Ion Ratio Lower Upper

41 100

42 79.6 52.4 78.6#



#10

Heptane

Concen: 0.485 ppbv

RT: 4.978 min Scan# 1511

Delta R.T. -0.000 min

Lab File: VL041755.D

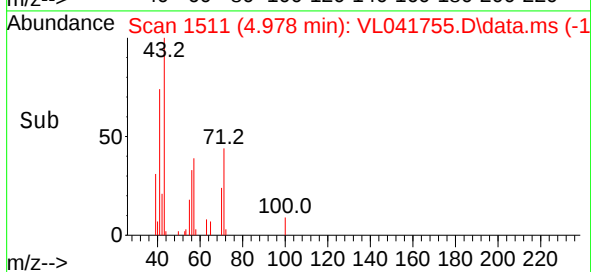
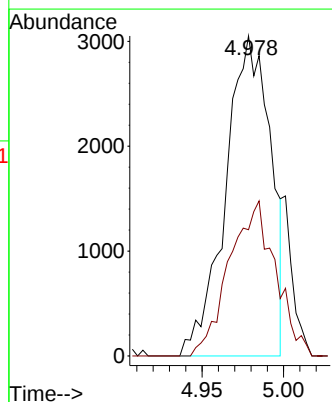
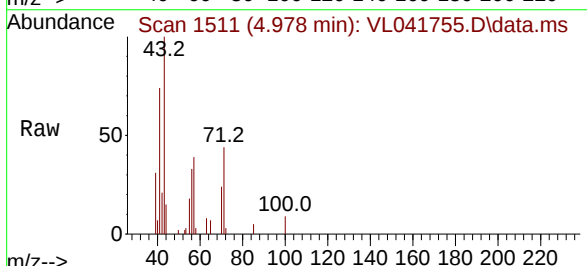
Acq: 16 Dec 2024 15:05

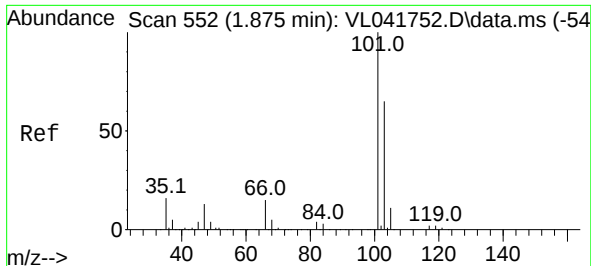
Tgt Ion: 43 Resp: 5865

Ion Ratio Lower Upper

43 100

57 49.5 38.5 57.7





#11

Trichlorofluoromethane

Concen: 0.524 ppbv

RT: 1.878 min Scan# 552

Delta R.T. 0.003 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

Instrument :

MSVOA_L

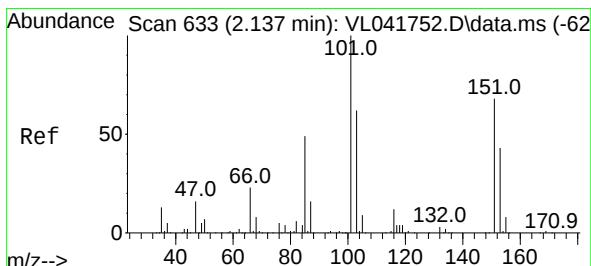
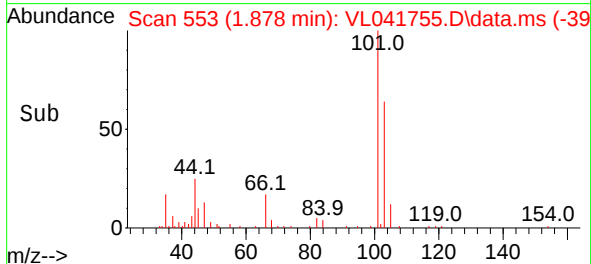
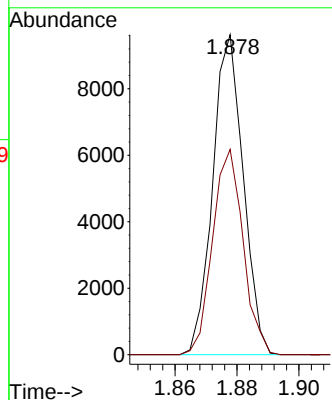
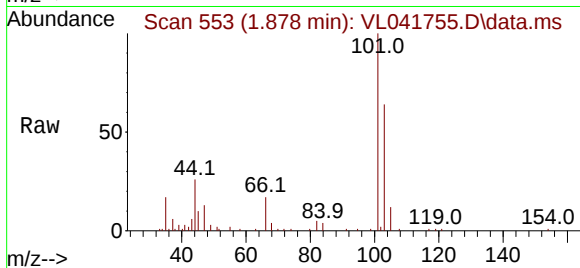
ClientSampleId :

Tgt Ion:101 Resp: 6594

Ion Ratio Lower Upper

101 100

103 64.2 51.8 77.8



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.519 ppbv

RT: 2.140 min Scan# 634

Delta R.T. 0.003 min

Lab File: VL041755.D

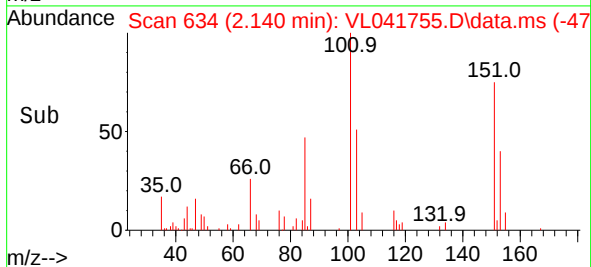
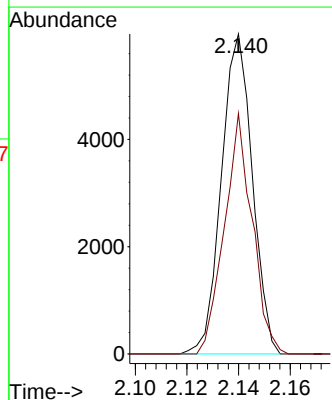
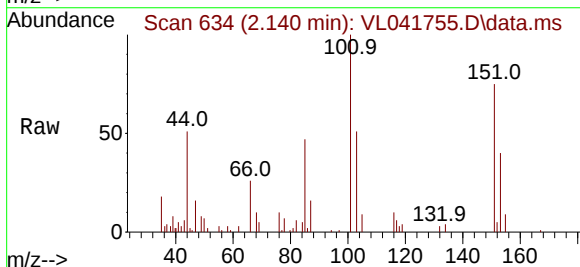
Acq: 16 Dec 2024 15:05

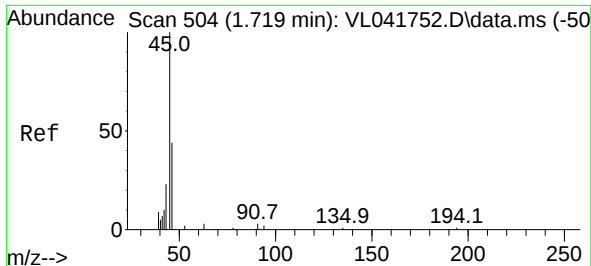
Tgt Ion:101 Resp: 4962

Ion Ratio Lower Upper

101 100

151 67.9 56.8 85.2





#13

Ethanol

Concen: 0.966 ppbv

RT: 1.719 min Scan# 504

Delta R.T. -0.000 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

Instrument :

MSVOA_L

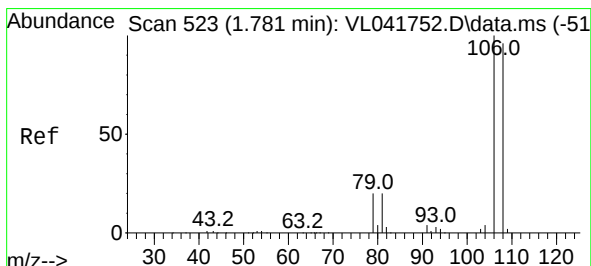
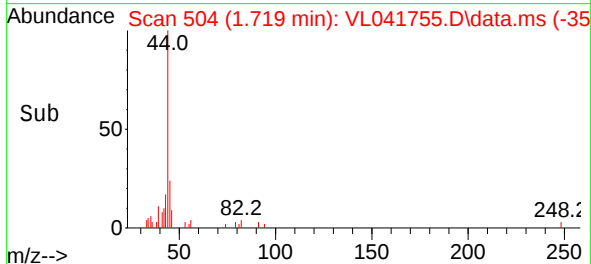
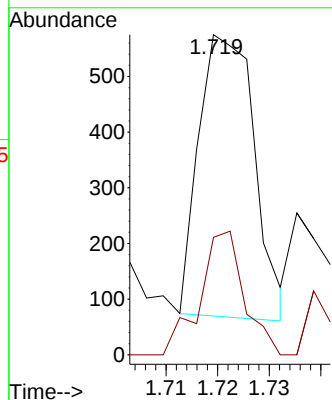
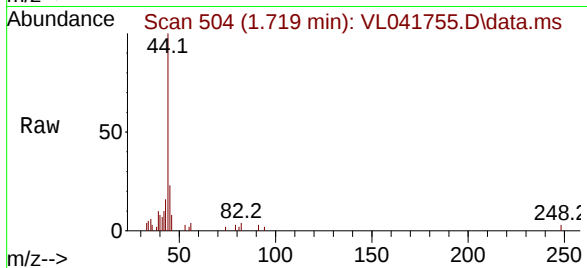
ClientSampleId :

Tgt Ion: 45 Resp: 378

Ion Ratio Lower Upper

45 100

46 43.9 16.4 65.8



#14

Bromoethene

Concen: 0.524 ppbv

RT: 1.781 min Scan# 523

Delta R.T. -0.000 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

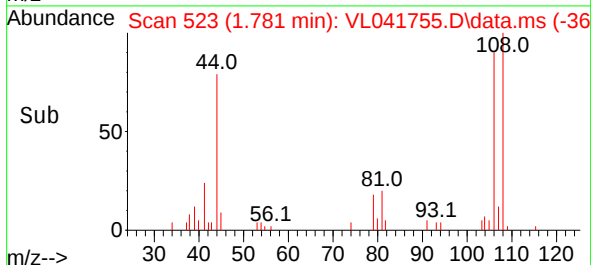
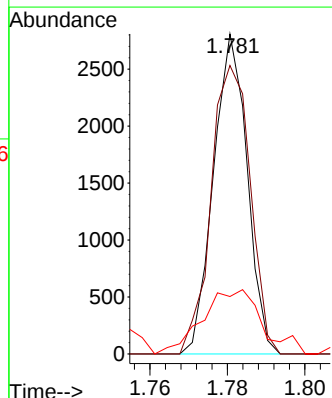
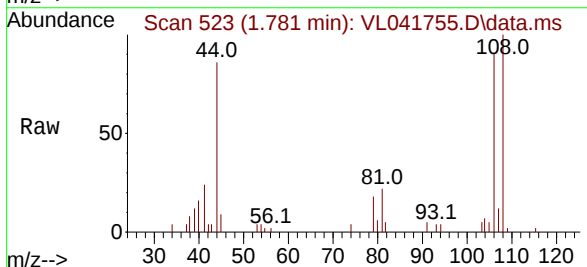
Tgt Ion: 108 Resp: 1694

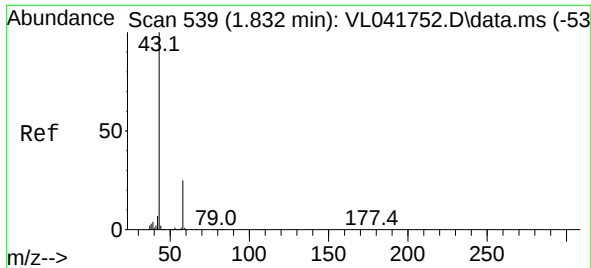
Ion Ratio Lower Upper

108 100

106 105.1 84.1 126.1

79 41.4 17.4 26.0#

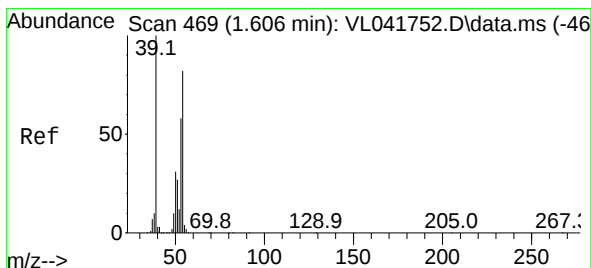
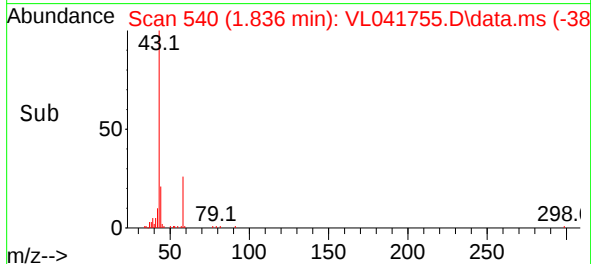
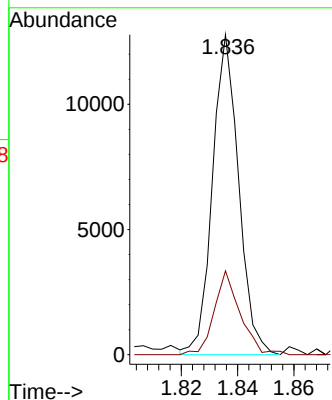
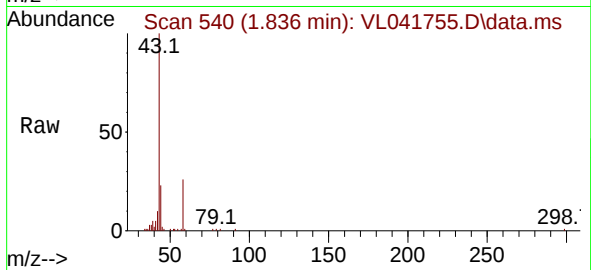




#15
Acetone
Concen: 0.636 ppbv
RT: 1.836 min Scan# 54
Delta R.T. 0.003 min
Lab File: VL041755.D
Acq: 16 Dec 2024 15:05

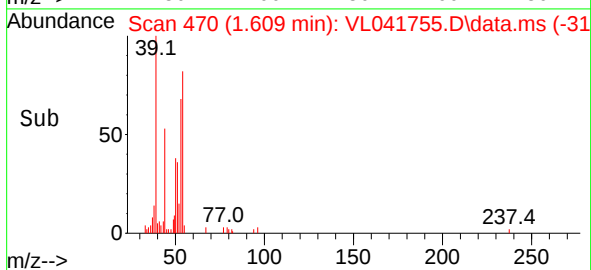
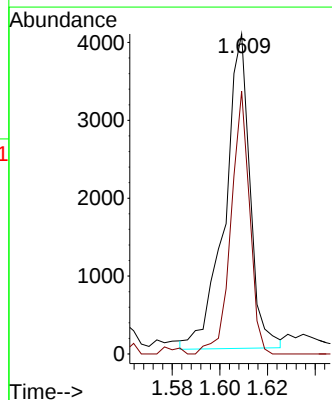
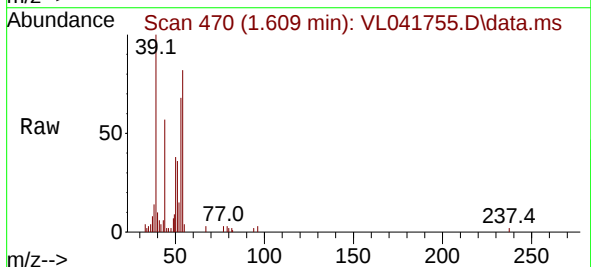
Instrument :
MSVOA_L
ClientSampleId :

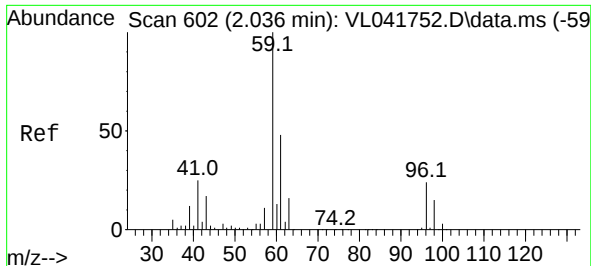
Tgt Ion: 43 Resp: 8233
Ion Ratio Lower Upper
43 100
58 26.0 19.7 29.5



#16
1,3-Butadiene
Concen: 0.582 ppbv
RT: 1.609 min Scan# 470
Delta R.T. 0.003 min
Lab File: VL041755.D
Acq: 16 Dec 2024 15:05

Tgt Ion: 39 Resp: 2966
Ion Ratio Lower Upper
39 100
54 62.8 58.4 87.6





#17

tert-Butyl alcohol

Concen: 0.518 ppbv

RT: 2.043 min Scan# 602

Delta R.T. 0.006 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

Instrument :

MSVOA_L

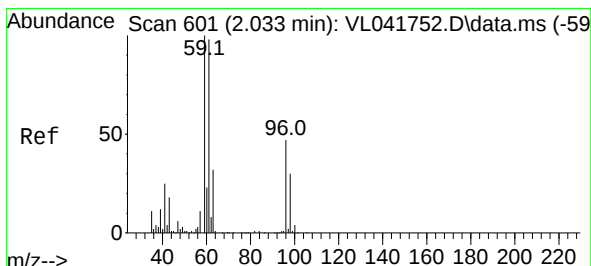
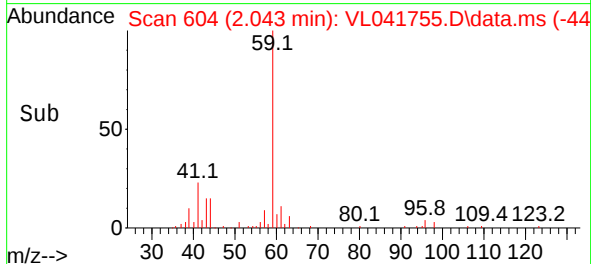
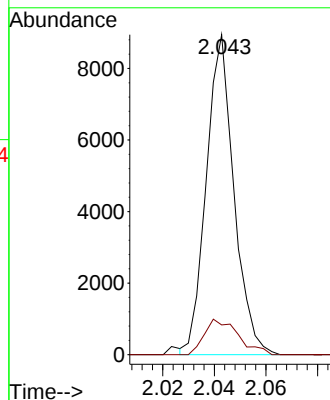
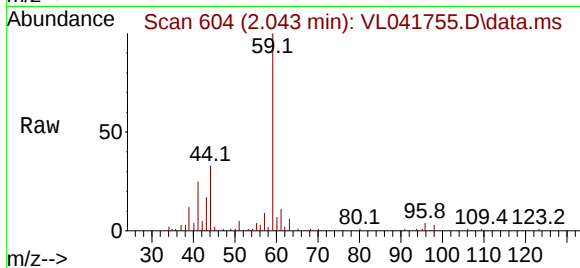
ClientSampleId :

Tgt Ion: 59 Resp: 6654

Ion Ratio Lower Upper

59 100

57 14.3 8.6 13.0#



#18

1,1-Dichloroethene

Concen: 0.504 ppbv

RT: 2.033 min Scan# 601

Delta R.T. -0.000 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

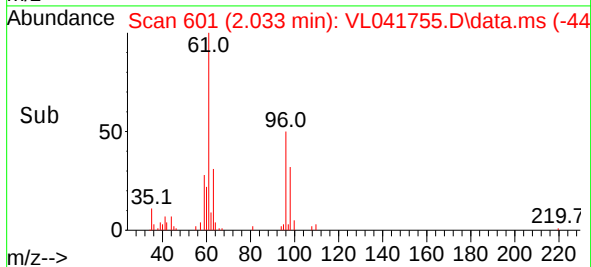
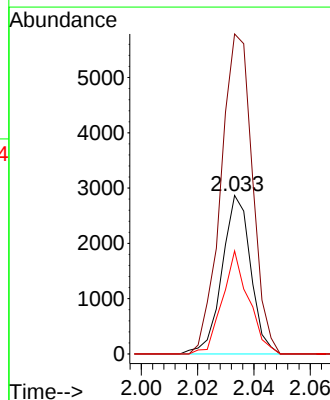
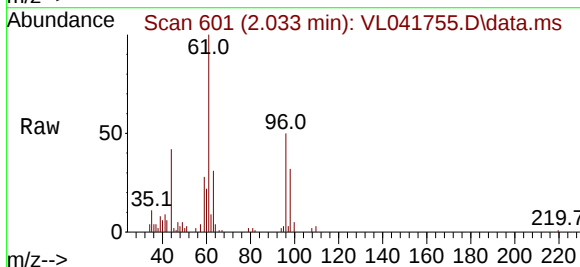
Tgt Ion: 96 Resp: 2022

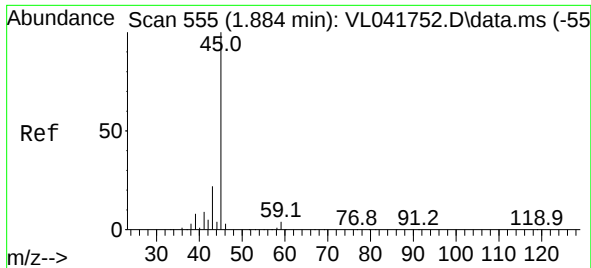
Ion Ratio Lower Upper

96 100

61 201.9 167.7 251.5

98 65.1 51.1 76.7





#19

Isopropyl Alcohol

Concen: 0.732 ppbv

RT: 1.884 min Scan# 51

Delta R.T. -0.000 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

Instrument :

MSVOA_L

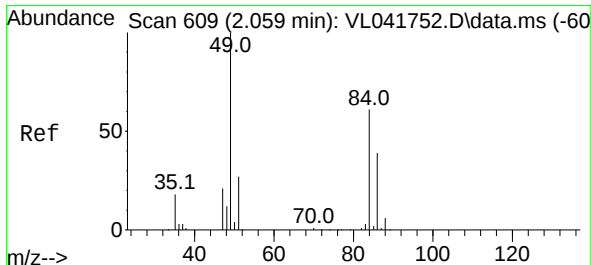
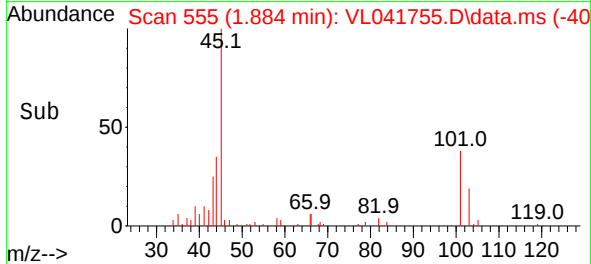
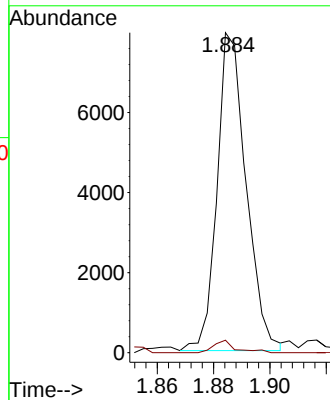
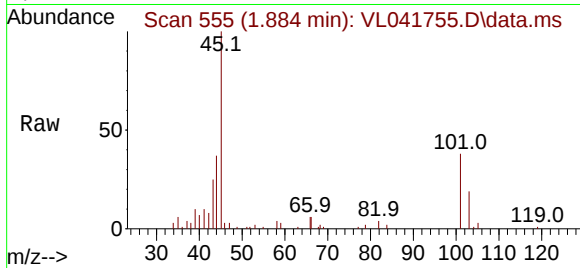
ClientSampleId :

Tgt Ion: 45 Resp: 5687

Ion Ratio Lower Upper

45 100

58 2.9 33.3 49.9#



#20

Methylene Chloride

Concen: 0.589 ppbv

RT: 2.062 min Scan# 610

Delta R.T. 0.003 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

Tgt Ion: 84 Resp: 2174

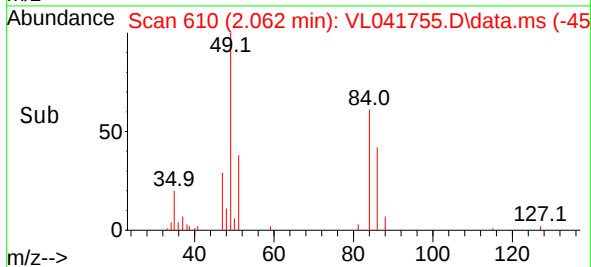
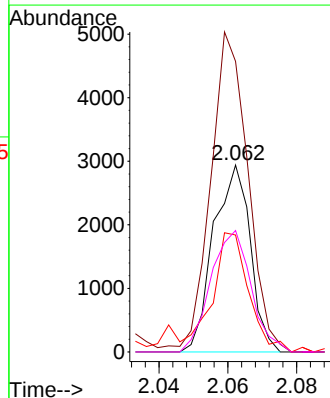
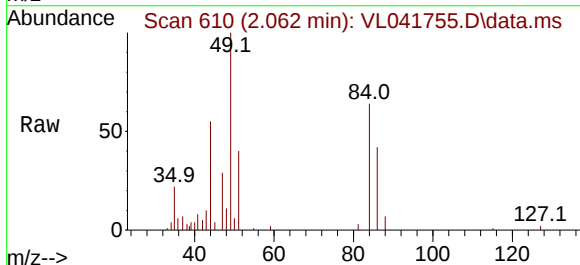
Ion Ratio Lower Upper

84 100

49 152.6 132.6 198.8

51 57.2 37.6 56.4#

86 65.0 51.4 77.0





#21

Allyl Chloride

Concen: 0.478 ppbv

RT: 2.098 min Scan# 61

Delta R.T. 0.003 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

Instrument :

MSVOA_L

ClientSampleId :

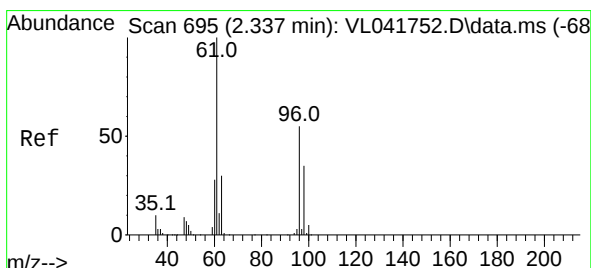
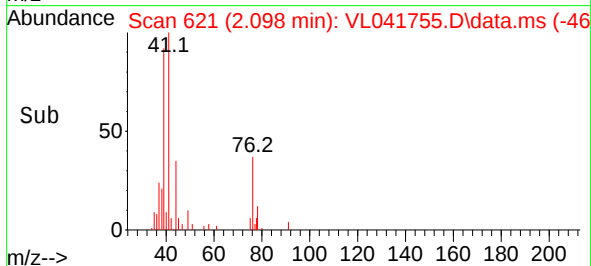
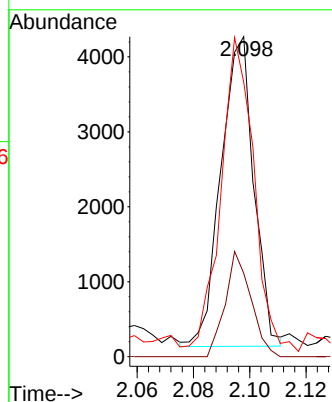
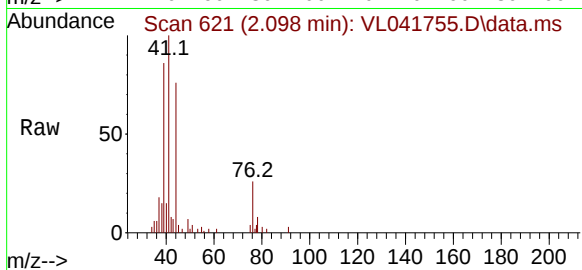
Tgt Ion: 41 Resp: 3354

Ion Ratio Lower Upper

41 100

76 26.5 22.3 33.5

39 102.6 69.2 103.8



#22

trans-1,2-Dichloroethene

Concen: 0.543 ppbv

RT: 2.341 min Scan# 696

Delta R.T. 0.003 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

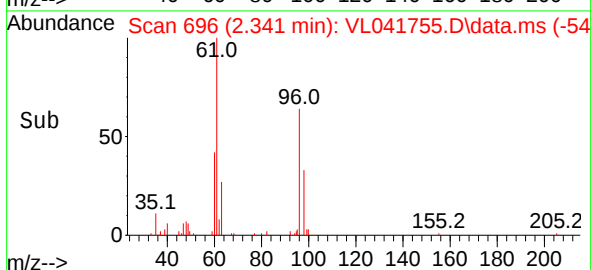
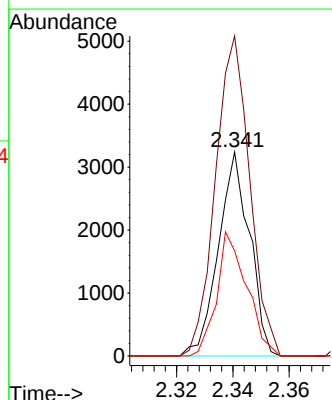
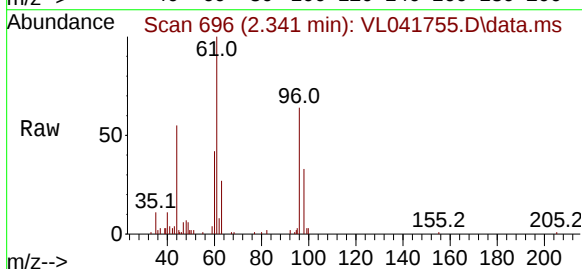
Tgt Ion: 96 Resp: 2494

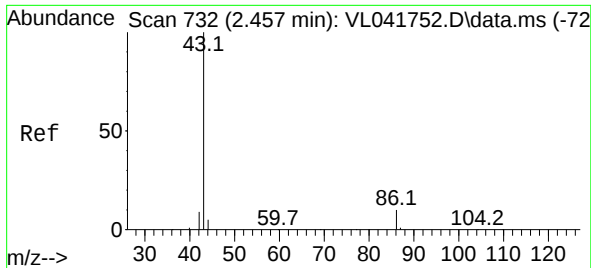
Ion Ratio Lower Upper

96 100

61 156.8 146.3 219.5

98 51.6 50.8 76.2

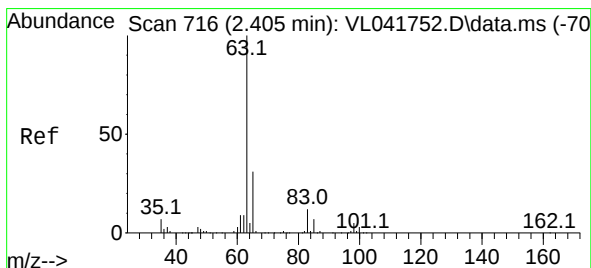
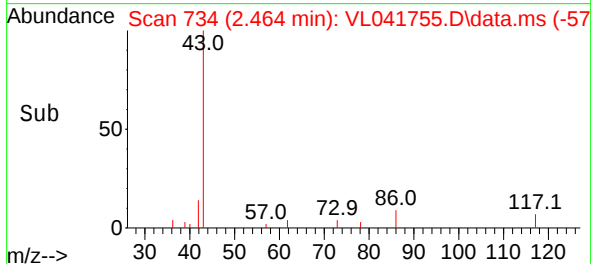
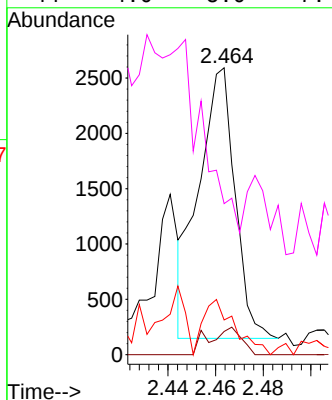
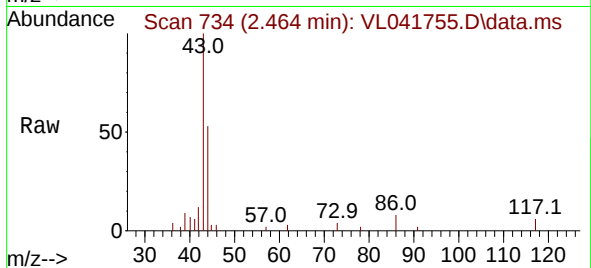




#23
 Vinyl Acetate
 Concen: 0.462 ppbv
 RT: 2.464 min Scan# 717
 Delta R.T. 0.006 min
 Lab File: VL041755.D
 Acq: 16 Dec 2024 15:05

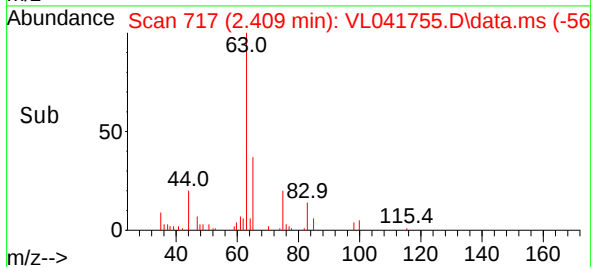
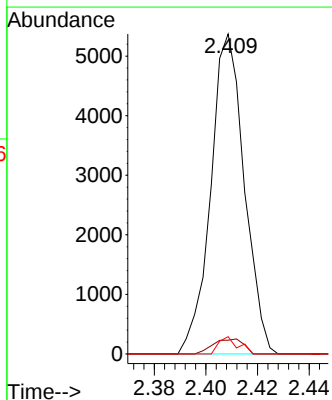
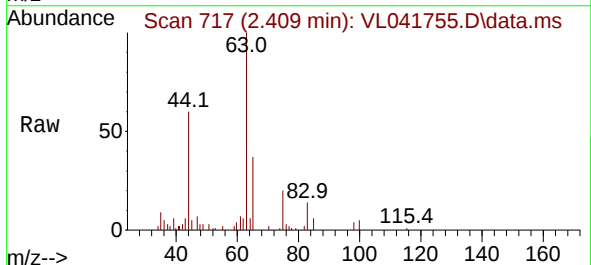
Instrument :
 MSVOA_1
 ClientSampleId :

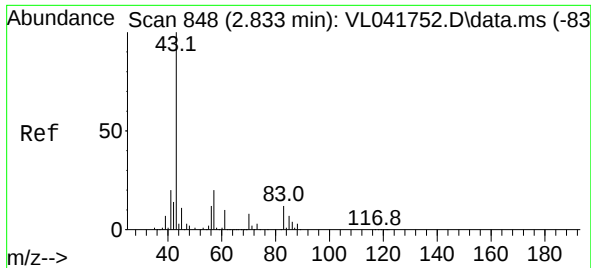
Tgt Ion:	43	Resp:	2599
Ion	Ratio	Lower	Upper
43	100		
86	8.6	6.6	10.0
42	10.2	8.2	12.2
44	4.0	5.0	7.4



#24
 1,1-Dichloroethane
 Concen: 0.522 ppbv
 RT: 2.409 min Scan# 717
 Delta R.T. 0.003 min
 Lab File: VL041755.D
 Acq: 16 Dec 2024 15:05

Tgt Ion:	63	Resp:	4854
Ion	Ratio	Lower	Upper
63	100		
98	4.3	2.3	6.8
100	5.4	1.4	4.2

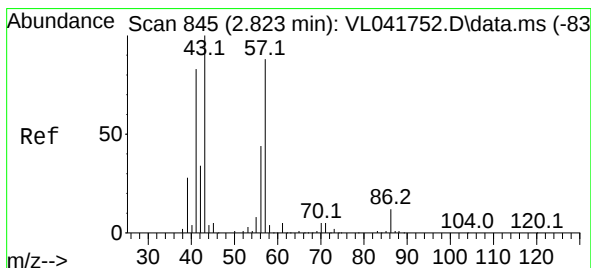
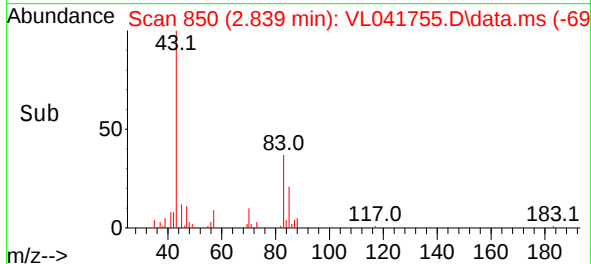
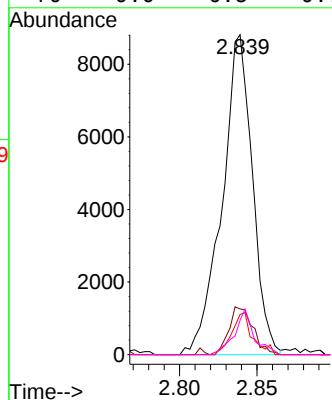
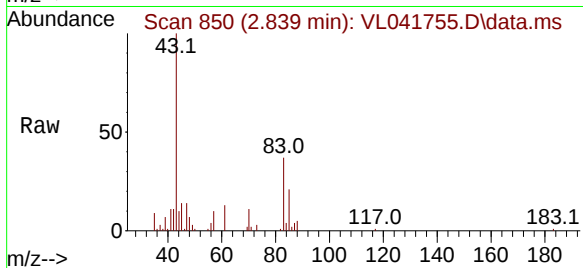




#25
Ethyl Acetate
Concen: 0.497 ppbv
RT: 2.839 min Scan# 848
Delta R.T. 0.006 min
Lab File: VL041755.D
Acq: 16 Dec 2024 15:05

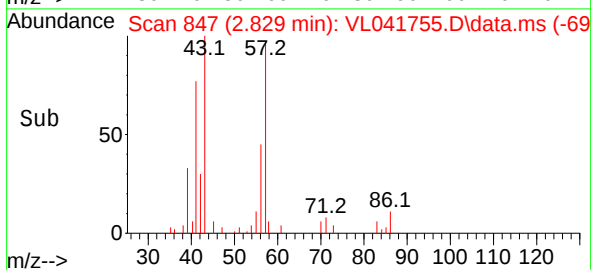
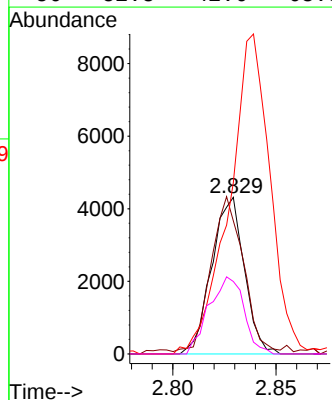
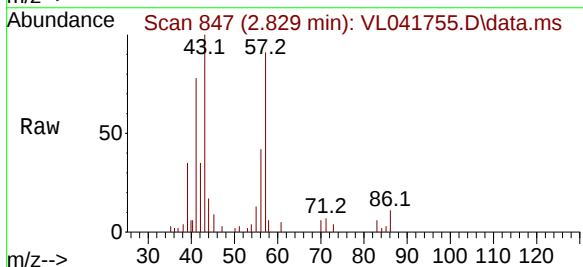
Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43	Resp: 12040
Ion Ratio	Lower Upper
43 100	
45 12.2	8.1 12.1#
61 9.0	7.0 10.6
70 9.0	6.5 9.7



#26
Hexane
Concen: 0.518 ppbv
RT: 2.829 min Scan# 847
Delta R.T. 0.006 min
Lab File: VL041755.D
Acq: 16 Dec 2024 15:05

Tgt	Ion: 57	Resp:	4735
Ion	Ratio	Lower	Upper
57	100		
41	106.1	79.6	119.4
43	258.2	211.0	316.6
56	52.8	42.6	63.8





#27

Carbon Disulfide

Concen: 0.414 ppbv

RT: 2.153 min Scan# 61

Delta R.T. 0.003 min

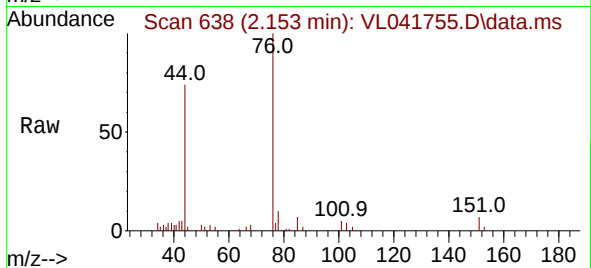
Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

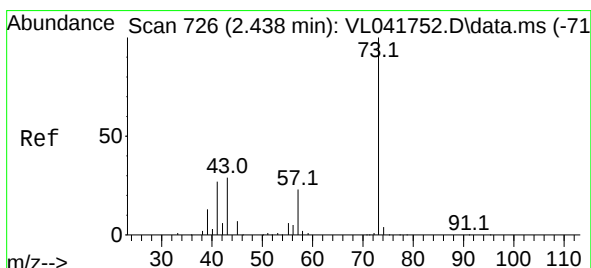
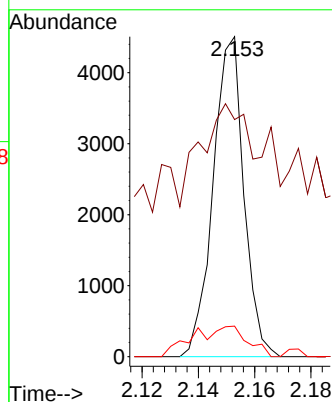
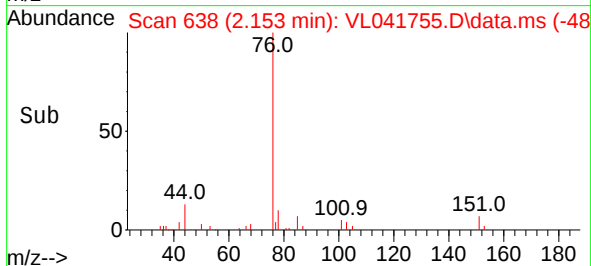
Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion: 76	Resp: 3409
Ion Ratio	Lower Upper
76	100
44	65.5 17.6 26.4#
78	18.2 10.2 15.4#



#28

Methyl tert-Butyl Ether

Concen: 0.464 ppbv

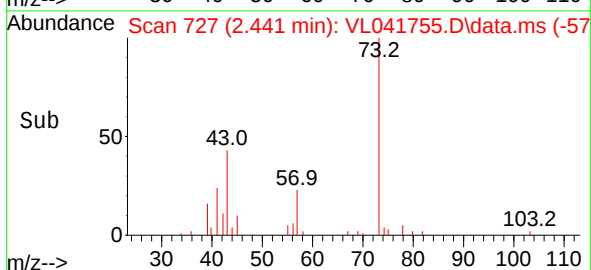
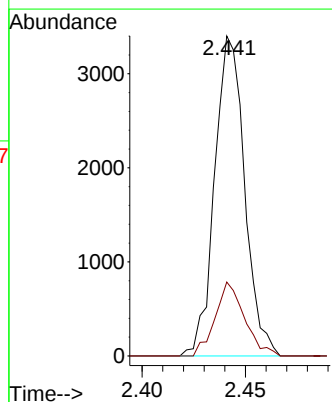
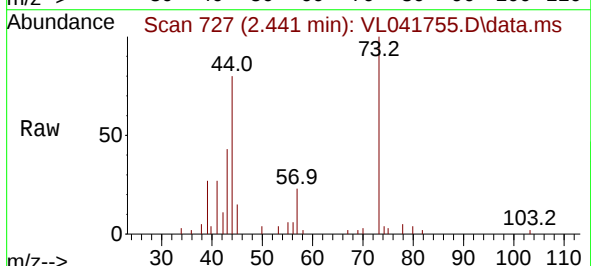
RT: 2.441 min Scan# 727

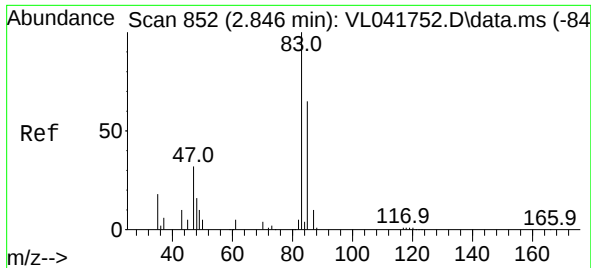
Delta R.T. 0.003 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

Tgt Ion: 73	Resp: 3438
Ion Ratio	Lower Upper
73	100
57	22.6 17.6 26.4





#29

Chloroform

Concen: 0.515 ppbv

RT: 2.849 min Scan# 80

Delta R.T. 0.003 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

Instrument :

MSVOA_L

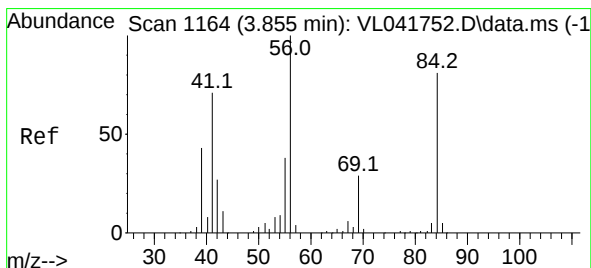
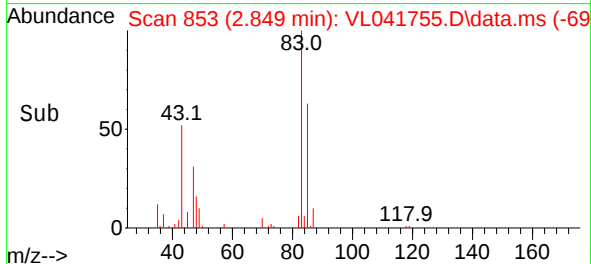
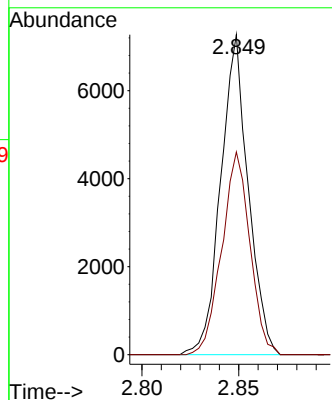
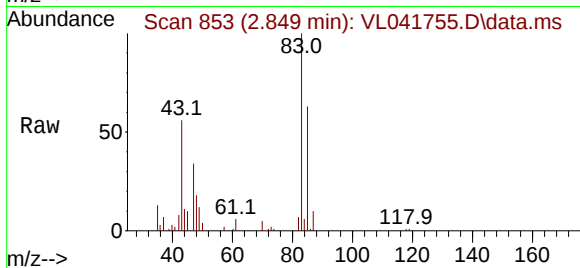
ClientSampleId :

Tgt Ion: 83 Resp: 7172

Ion Ratio Lower Upper

83 100

85 63.3 51.8 77.6



#30

Cyclohexane

Concen: 0.521 ppbv

RT: 3.859 min Scan# 1165

Delta R.T. 0.003 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

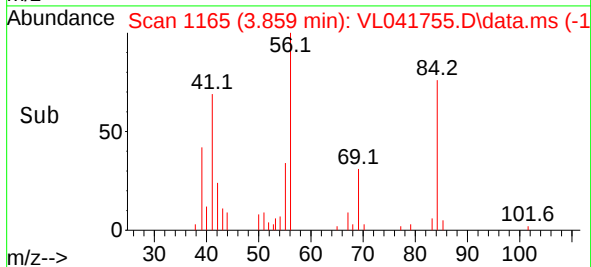
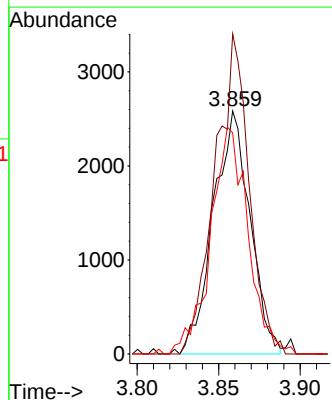
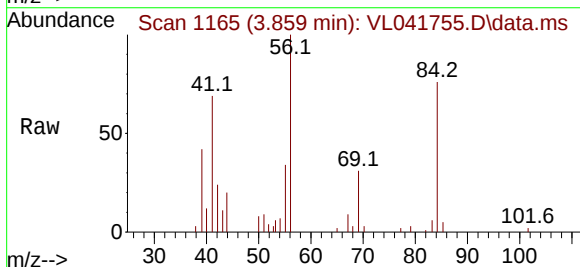
Tgt Ion: 84 Resp: 4051

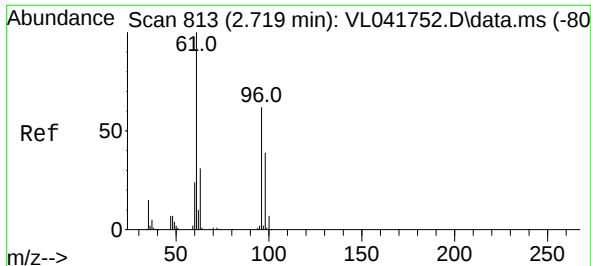
Ion Ratio Lower Upper

84 100

56 122.5 102.3 153.5

41 94.8 74.0 111.0

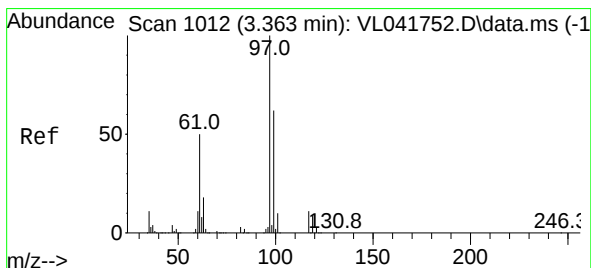
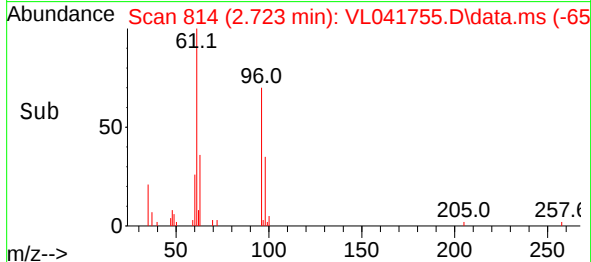
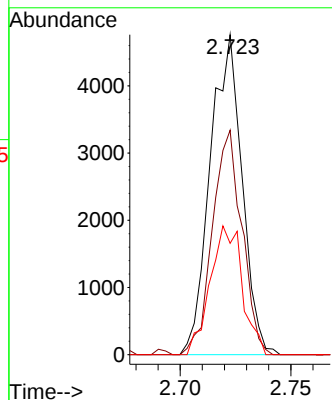
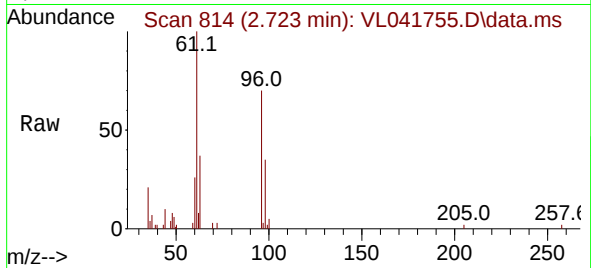




#31
 cis-1,2-Dichloroethene
 Concen: 0.504 ppbv
 RT: 2.723 min Scan# 813
 Delta R.T. 0.003 min
 Lab File: VL041755.D
 Acq: 16 Dec 2024 15:05

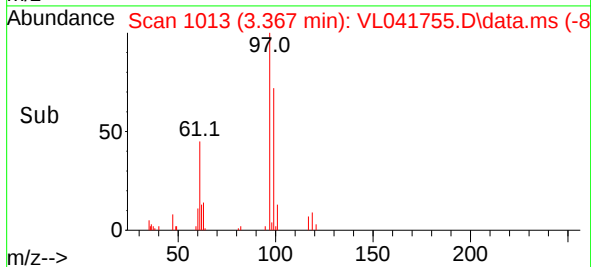
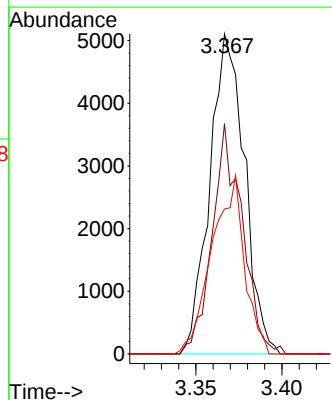
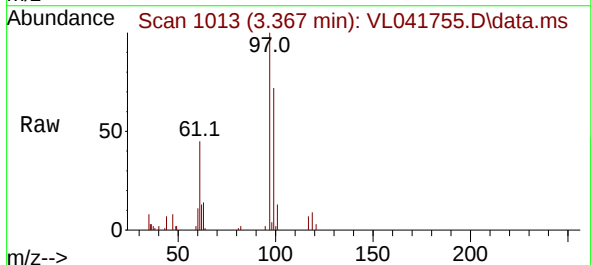
Instrument :
 MSVOA_L
 ClientSampleId :

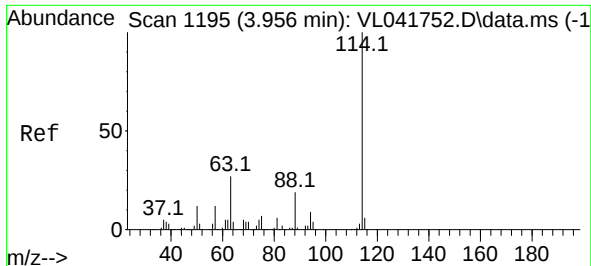
Tgt Ion: 61 Resp: 4758
 Ion Ratio Lower Upper
 61 100
 96 70.2 49.7 74.5
 98 34.8 30.8 46.2



#32
 1,1,1-Trichloroethane
 Concen: 0.518 ppbv
 RT: 3.367 min Scan# 1013
 Delta R.T. 0.003 min
 Lab File: VL041755.D
 Acq: 16 Dec 2024 15:05

Tgt Ion: 97 Resp: 7182
 Ion Ratio Lower Upper
 97 100
 99 62.2 51.0 76.4
 61 52.1 42.2 63.2





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.959 min Scan# 1196

Delta R.T. 0.003 min

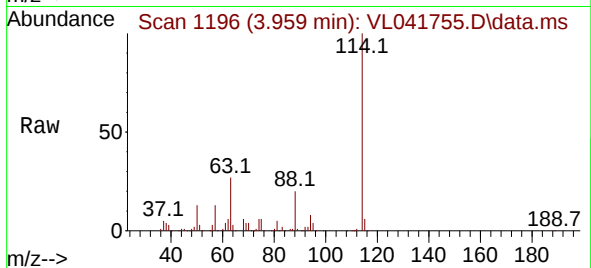
Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

Instrument :

MSVOA_L

ClientSampleId :



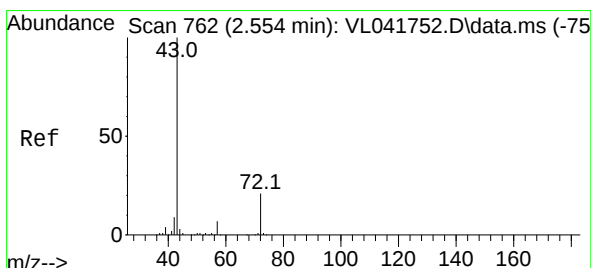
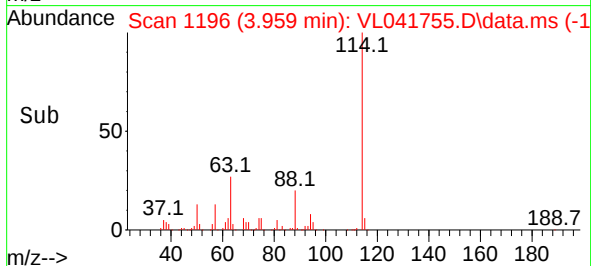
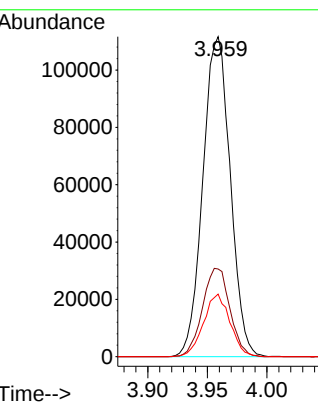
Tgt Ion:114 Resp: 178453

Ion Ratio Lower Upper

114 100

63 27.6 21.8 32.8

88 18.9 14.8 22.2



#34

2-Butanone

Concen: 0.540 ppbv

RT: 2.557 min Scan# 763

Delta R.T. 0.003 min

Lab File: VL041755.D

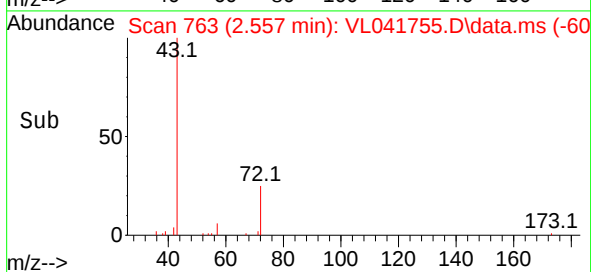
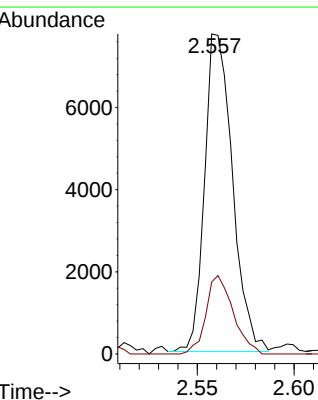
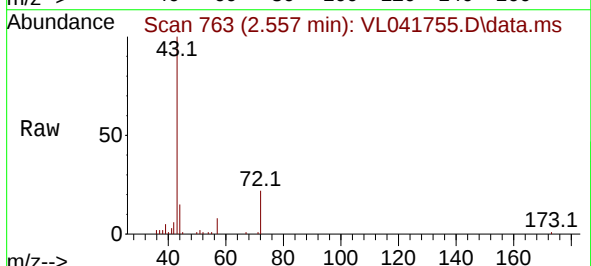
Acq: 16 Dec 2024 15:05

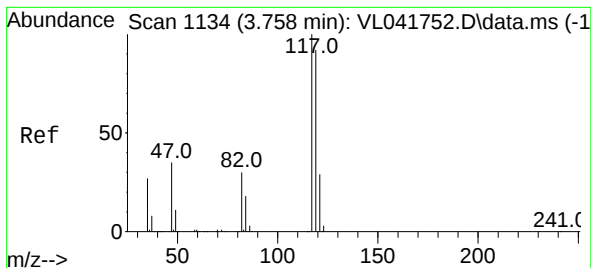
Tgt Ion: 43 Resp: 7756

Ion Ratio Lower Upper

43 100

72 24.0 16.8 25.2





#35

Carbon Tetrachloride

Concen: 0.446 ppbv

RT: 3.765 min Scan# 1134

Delta R.T. 0.006 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

Instrument :

MSVOA_L

ClientSampleId :

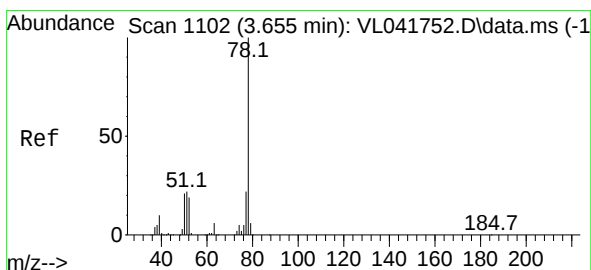
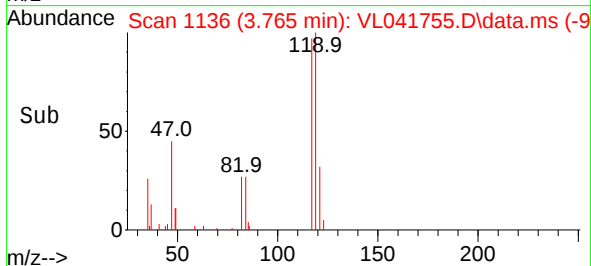
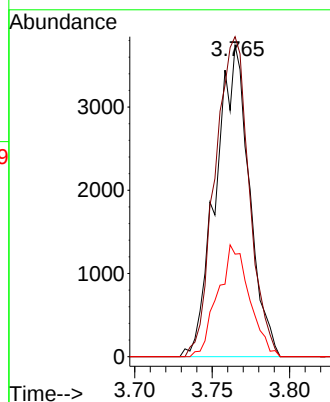
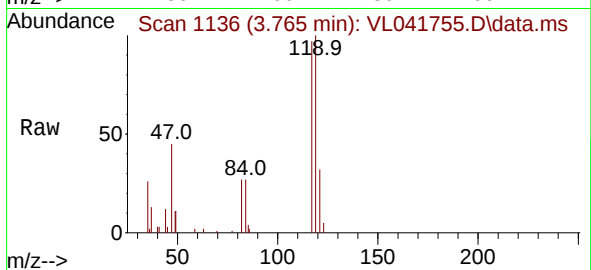
Tgt Ion:117 Resp: 5655

Ion Ratio Lower Upper

117 100

119 102.7 73.7 110.5

121 32.9 23.0 34.4



#36

Benzene

Concen: 0.522 ppbv

RT: 3.658 min Scan# 1103

Delta R.T. 0.003 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

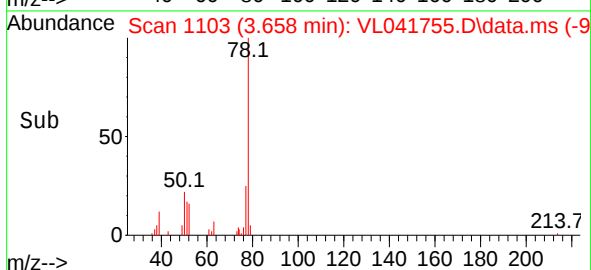
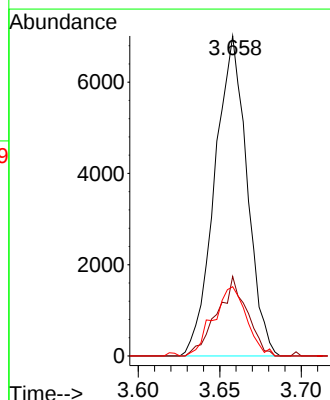
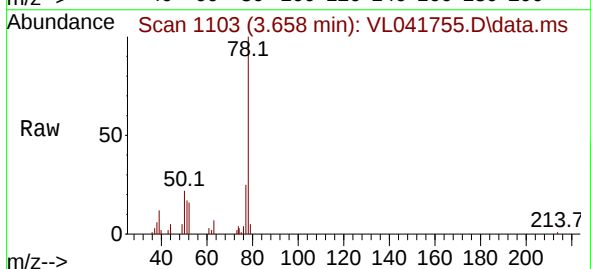
Tgt Ion: 78 Resp: 9629

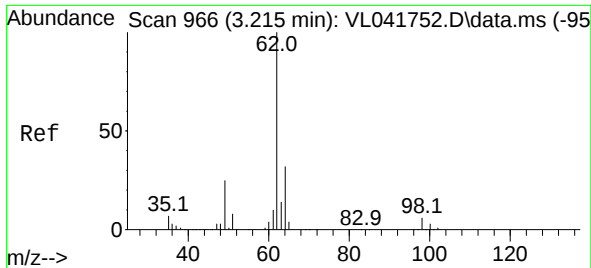
Ion Ratio Lower Upper

78 100

77 24.8 17.8 26.6

50 21.7 17.2 25.8





#37

1,2-Dichloroethane

Concen: 0.536 ppbv

RT: 3.218 min Scan# 9

Delta R.T. 0.003 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

Instrument :

MSVOA_L

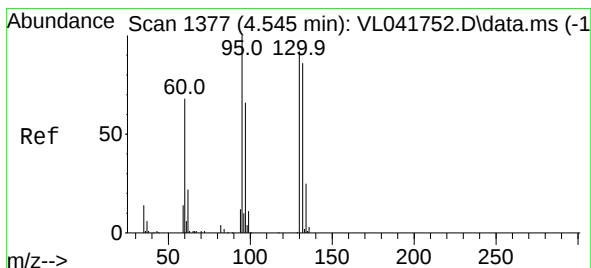
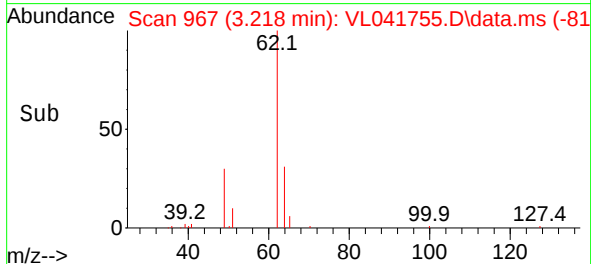
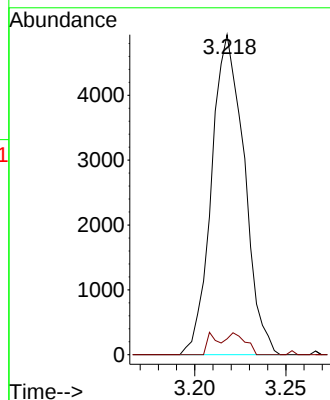
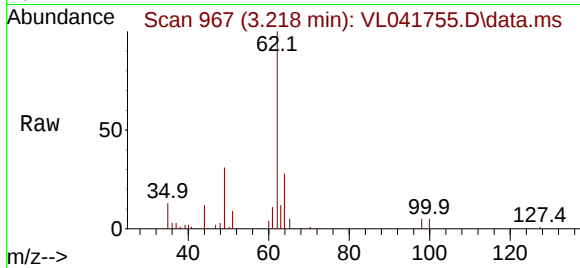
ClientSampleId :

Tgt Ion: 62 Resp: 6154

Ion Ratio Lower Upper

62 100

98 6.3 4.7 7.1



#38

Trichloroethene

Concen: 0.336 ppbv

RT: 4.551 min Scan# 1379

Delta R.T. 0.006 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

Tgt Ion:130 Resp: 2613

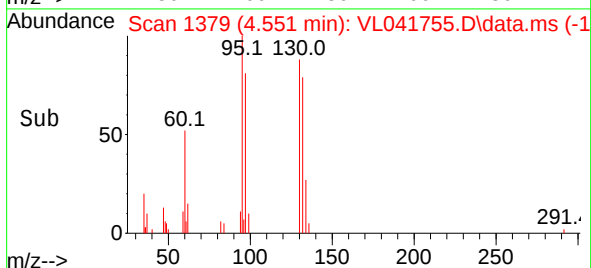
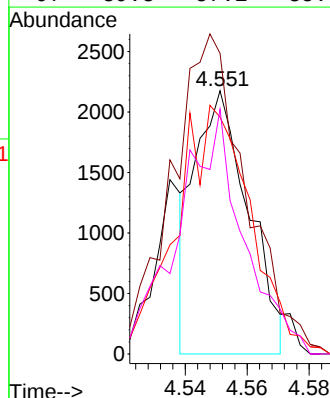
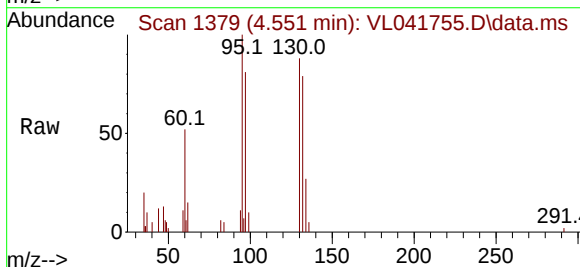
Ion Ratio Lower Upper

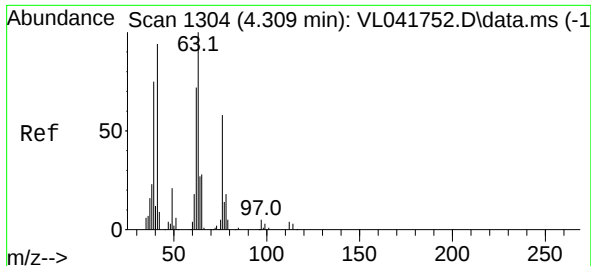
130 100

95 116.2 87.0 130.6

132 82.8 75.0 112.6

97 89.3 57.2 85.8#





#39

1,2-Dichloropropane

Concen: 0.333 ppbv

RT: 4.318 min Scan# 1307

Delta R.T. 0.010 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

Instrument :

MSVOA_L

ClientSampleId :

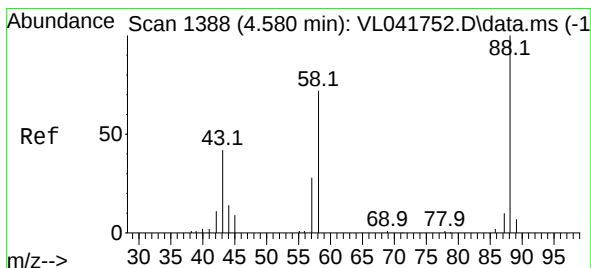
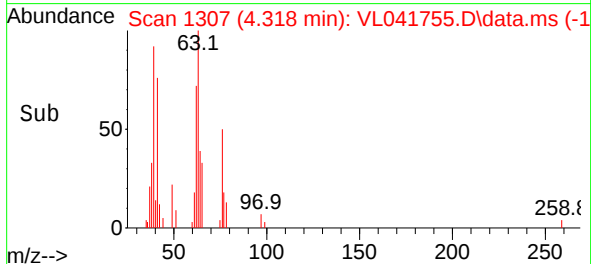
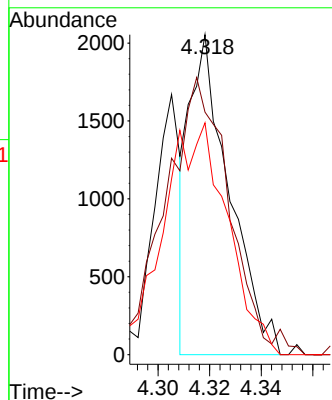
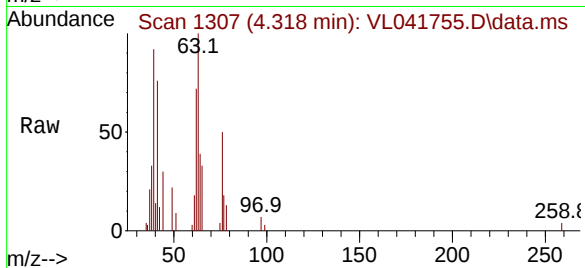
Tgt Ion: 63 Resp: 2224

Ion Ratio Lower Upper

63 100

41 67.9 75.3 112.9#

62 72.4 57.3 85.9



#40

1,4-Dioxane

Concen: 0.070 ppbv

RT: 4.597 min Scan# 1393

Delta R.T. 0.016 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

Tgt Ion: 88 Resp: 229

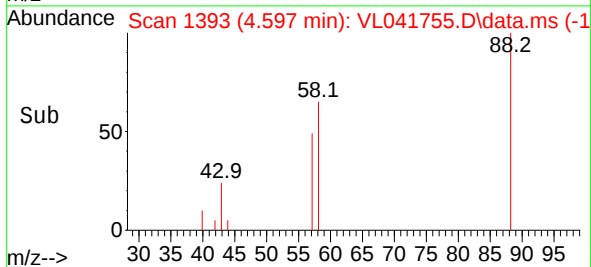
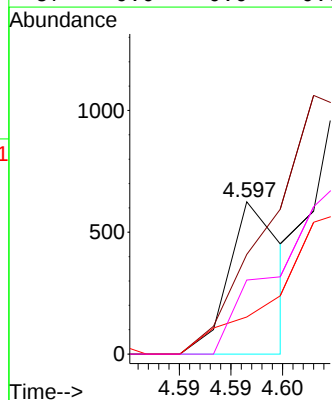
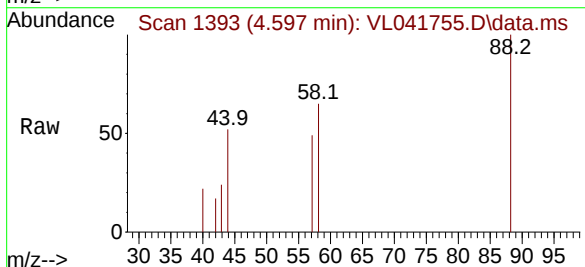
Ion Ratio Lower Upper

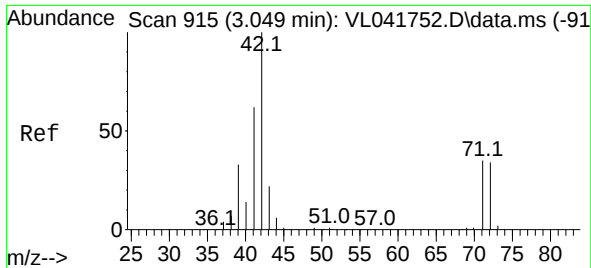
88 100

58 0.0 61.0 91.6#

43 0.0 29.4 44.0#

57 0.0 0.0 0.0





#41

Tetrahydrofuran

Concen: 0.505 ppbv

RT: 3.066 min Scan# 91

Delta R.T. 0.016 min

Lab File: VL041755.D

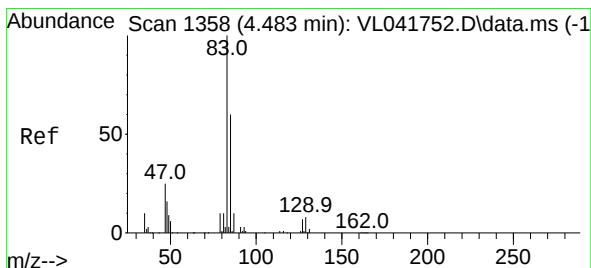
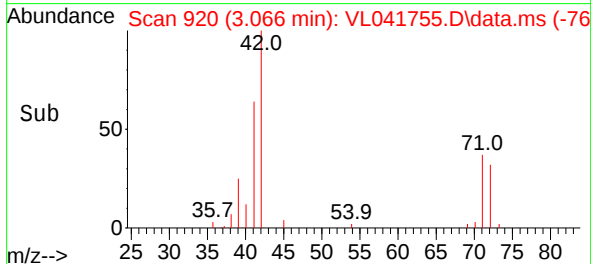
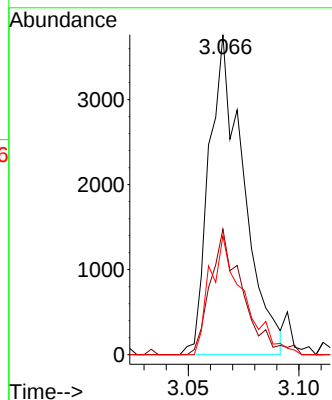
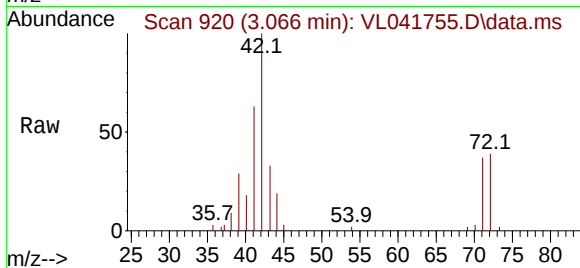
Acq: 16 Dec 2024 15:05

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:	42	Resp:	4061
Ion Ratio	Lower	Upper	
42	100		
72	37.0	29.1	43.7
71	36.5	28.4	42.6



#42

Bromodichloromethane

Concen: 0.251 ppbv

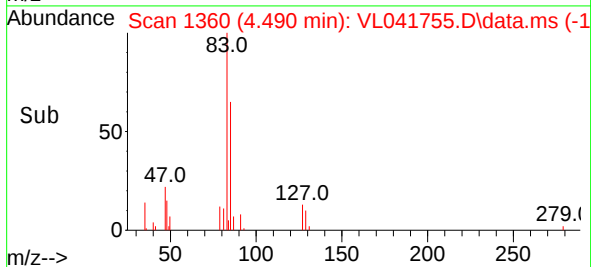
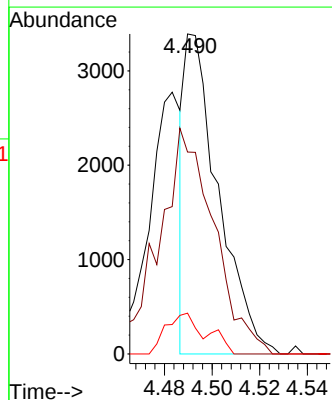
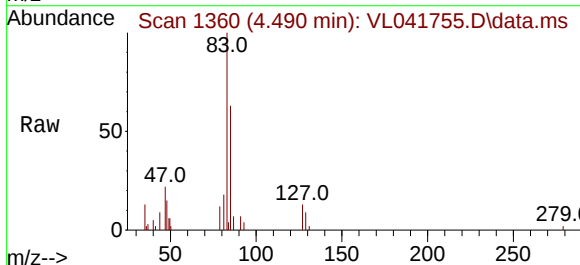
RT: 4.490 min Scan# 1360

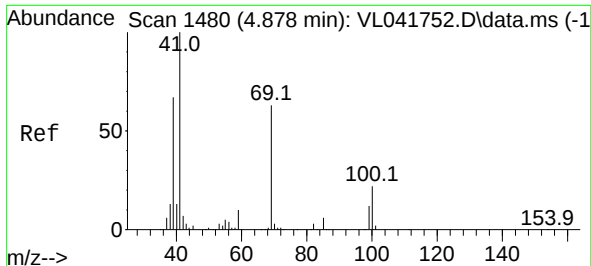
Delta R.T. 0.006 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

Tgt Ion:	83	Resp:	3315
Ion Ratio	Lower	Upper	
83	100		
85	63.1	48.0	72.0
127	12.7	5.8	8.8#





#43

Methyl Methacrylate

Concen: 0.472 ppbv

RT: 4.881 min Scan# 1481

Delta R.T. 0.003 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

Instrument :

MSVOA_L

ClientSampleId :

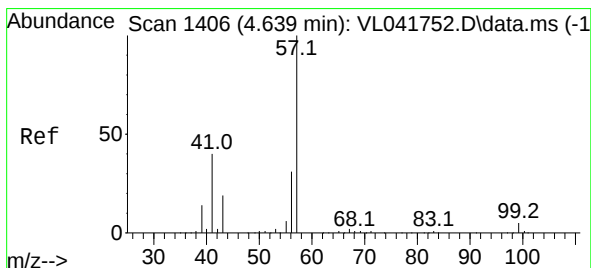
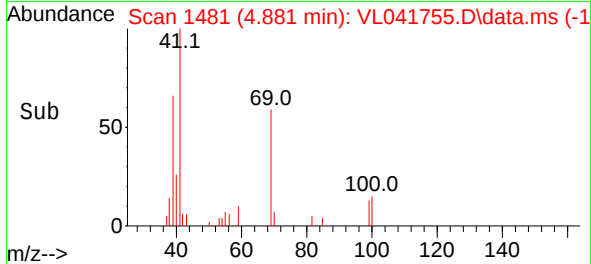
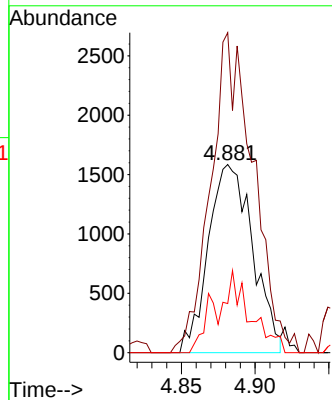
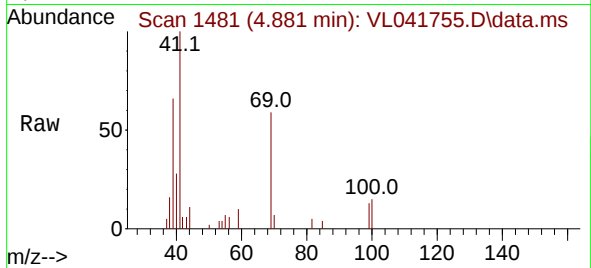
Tgt Ion: 69 Resp: 3322

Ion Ratio Lower Upper

69 100

41 163.7 130.3 195.5

100 33.2 28.3 42.5



#44

2,2,4-Trimethylpentane

Concen: 0.309 ppbv

RT: 4.645 min Scan# 1408

Delta R.T. 0.006 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

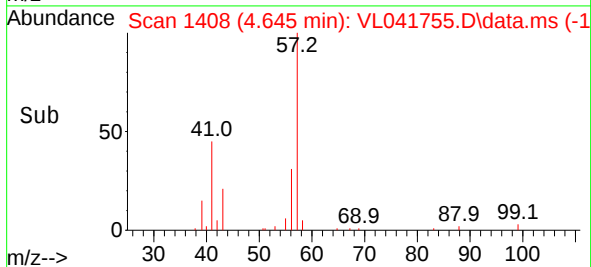
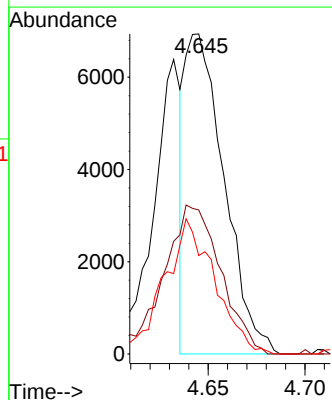
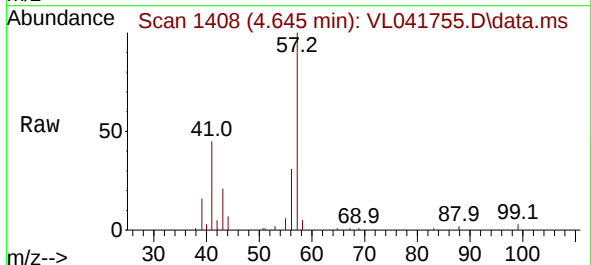
Tgt Ion: 57 Resp: 9729

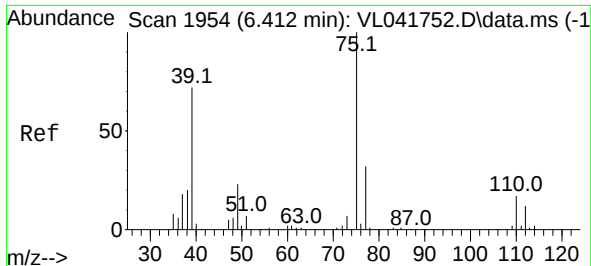
Ion Ratio Lower Upper

57 100

41 0.0 30.7 46.1#

56 0.0 25.4 38.0#





#45

t-1,3-Dichloropropene

Concen: 0.038 ppbv

RT: 6.438 min Scan# 1954

Delta R.T. 0.026 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

Instrument :

MSVOA_L

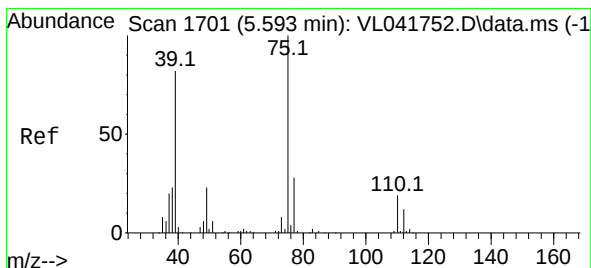
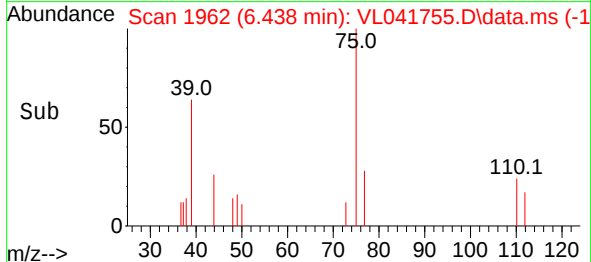
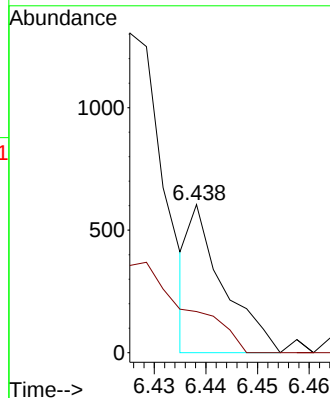
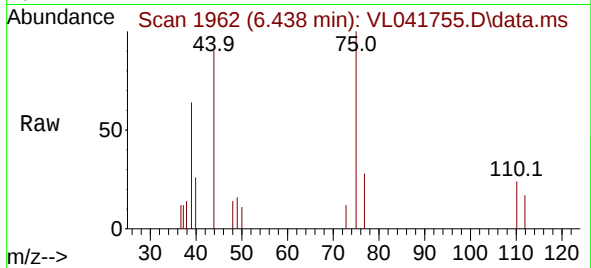
ClientSampleId :

Tgt Ion: 75 Resp: 279

Ion Ratio Lower Upper

75 100

77 27.8 25.9 38.9



#46

cis-1,3-Dichloropropene

Concen: 0.179 ppbv

RT: 5.597 min Scan# 1702

Delta R.T. 0.003 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

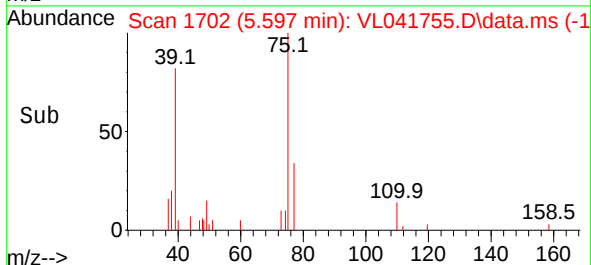
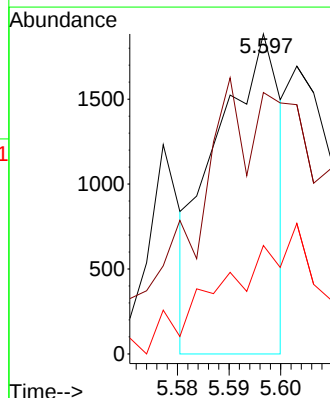
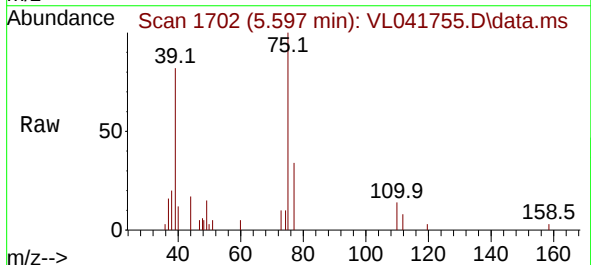
Tgt Ion: 75 Resp: 1656

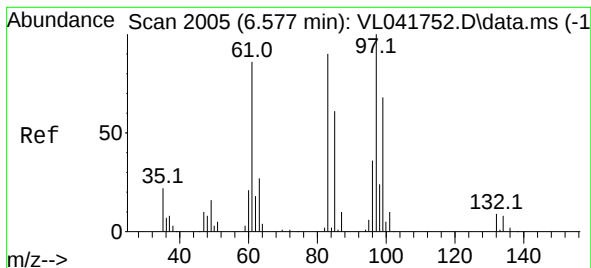
Ion Ratio Lower Upper

75 100

39 72.0 65.2 97.8

77 51.2 22.0 33.0#





#47

1,1,2-Trichloroethane

Concen: 0.342 ppbv

RT: 6.587 min Scan# 2005

Delta R.T. 0.010 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 97 Resp: 2388

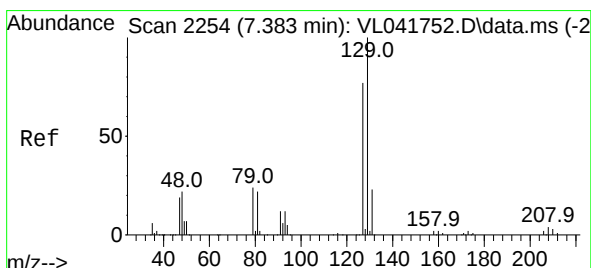
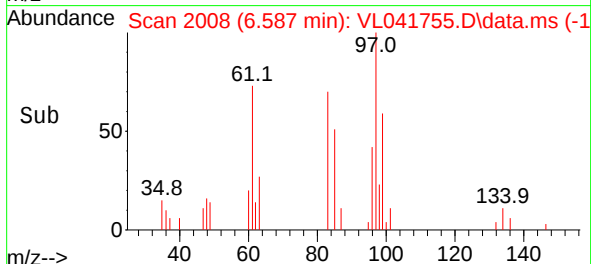
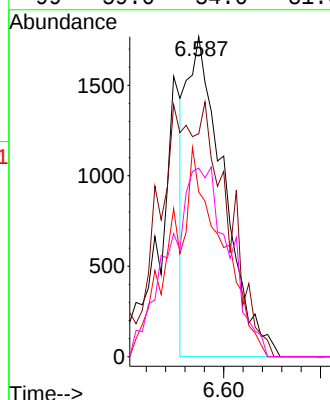
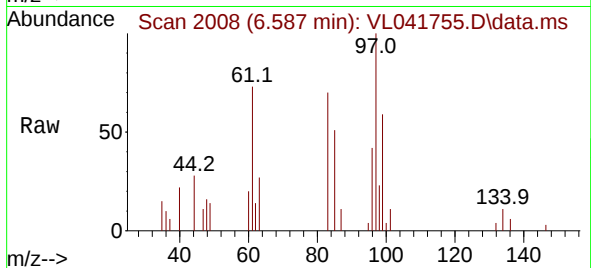
Ion Ratio Lower Upper

97 100

83 69.7 72.3 108.5#

85 51.4 48.5 72.7

99 59.0 54.0 81.0



#48

Dibromochloromethane

Concen: 0.406 ppbv

RT: 7.387 min Scan# 2255

Delta R.T. 0.003 min

Lab File: VL041755.D

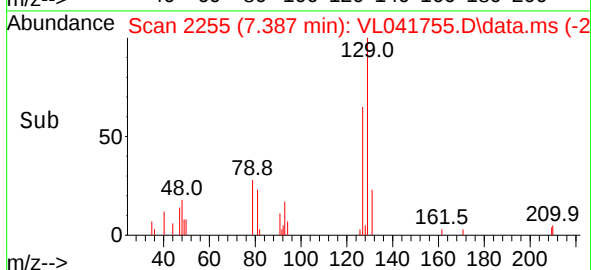
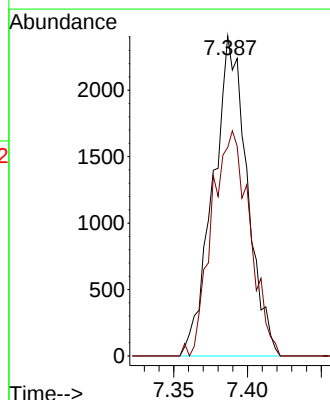
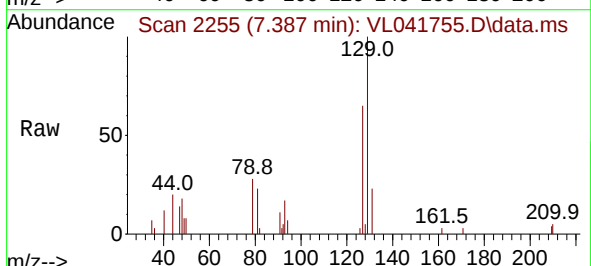
Acq: 16 Dec 2024 15:05

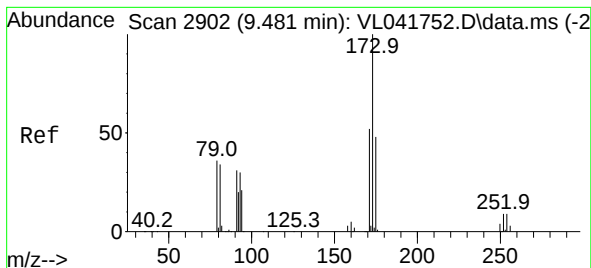
Tgt Ion: 129 Resp: 3865

Ion Ratio Lower Upper

129 100

127 78.8 38.8 116.3





#49

Bromoform

Concen: 0.368 ppbv

RT: 9.484 min Scan# 2902

Delta R.T. 0.003 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

Instrument :

MSVOA_L

ClientSampleId :

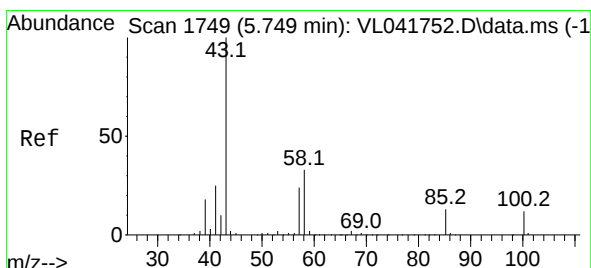
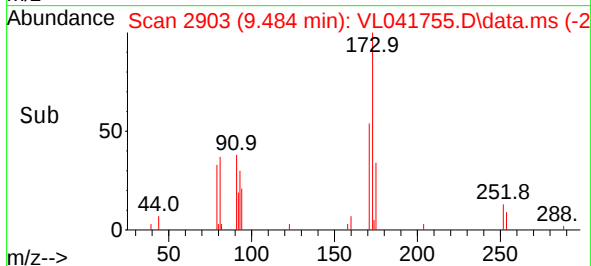
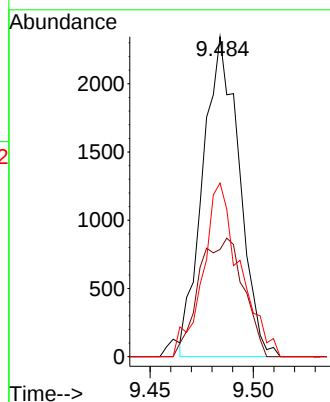
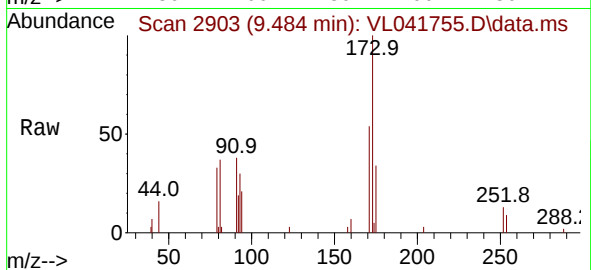
Tgt Ion:173 Resp: 2869

Ion Ratio Lower Upper

173 100

175 45.6 38.2 57.2

171 55.2 41.1 61.7



#50

4-Methyl-2-Pentanone

Concen: 0.244 ppbv

RT: 5.765 min Scan# 1754

Delta R.T. 0.016 min

Lab File: VL041755.D

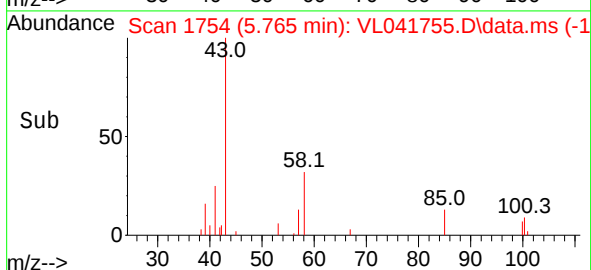
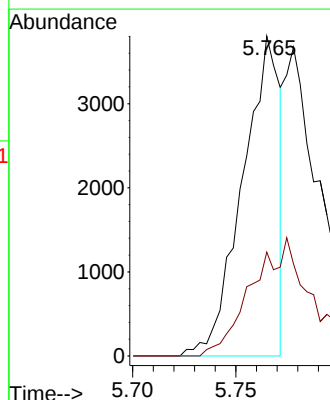
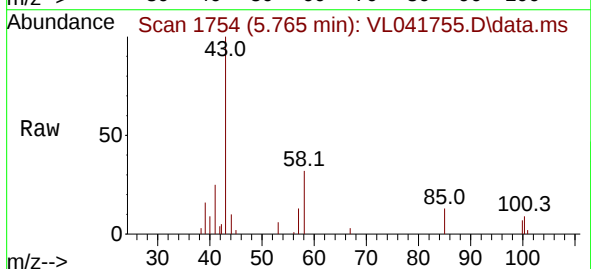
Acq: 16 Dec 2024 15:05

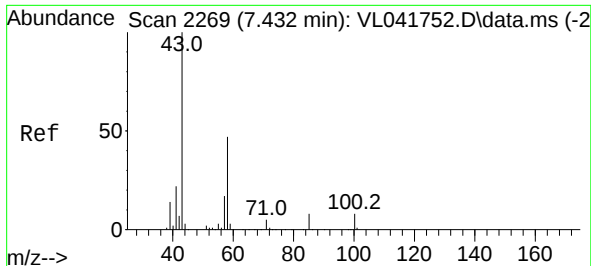
Tgt Ion: 43 Resp: 4771

Ion Ratio Lower Upper

43 100

58 0.0 26.8 40.2#

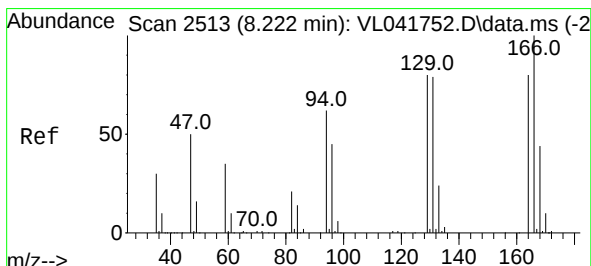
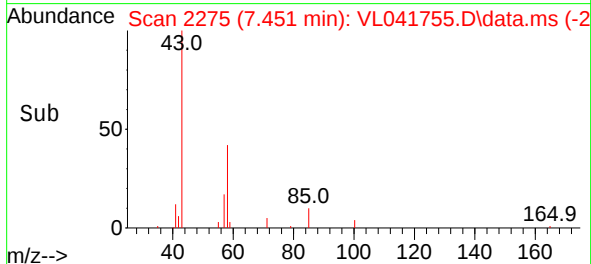
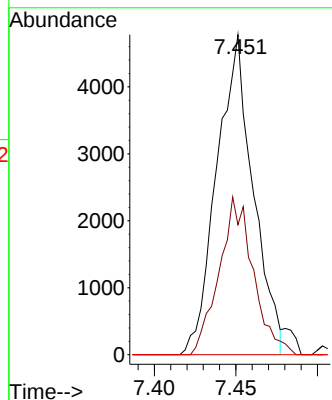
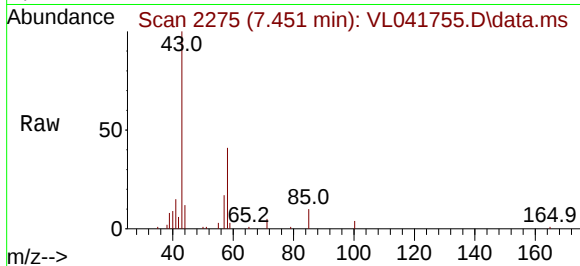




#51
2-Hexanone
Concen: 0.468 ppbv
RT: 7.451 min Scan# 21
Delta R.T. 0.019 min
Lab File: VL041755.D
Acq: 16 Dec 2024 15:05

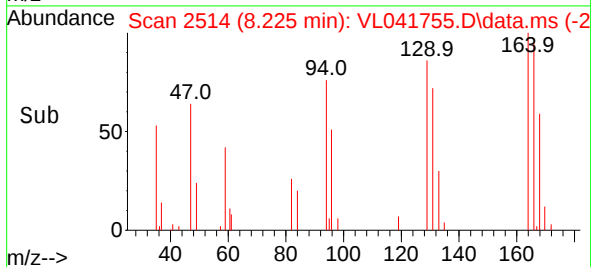
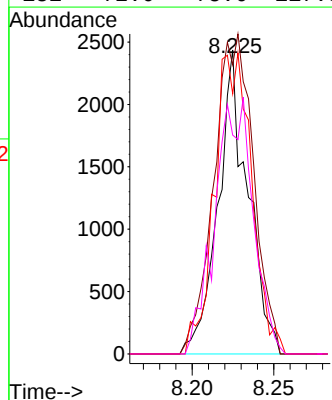
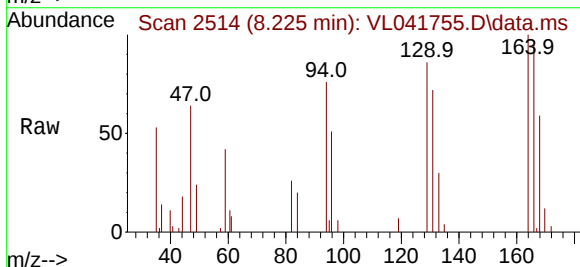
Instrument :
MSVOA_L
ClientSampleId :

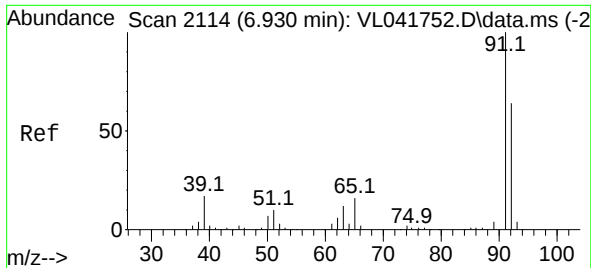
Tgt Ion: 43 Resp: 7412
Ion Ratio Lower Upper
43 100
58 46.2 36.6 55.0
98 0.0 0.1 0.1#



#52
Tetrachloroethene
Concen: 0.450 ppbv
RT: 8.225 min Scan# 2514
Delta R.T. 0.003 min
Lab File: VL041755.D
Acq: 16 Dec 2024 15:05

Tgt Ion: 164 Resp: 3091
Ion Ratio Lower Upper
164 100
166 95.1 99.8 149.6#
129 85.6 79.6 119.4
131 72.0 78.6 117.8#





#53

Toluene

Concen: 0.504 ppbv

RT: 6.933 min Scan# 2114

Delta R.T. 0.003 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

Instrument :

MSVOA_L

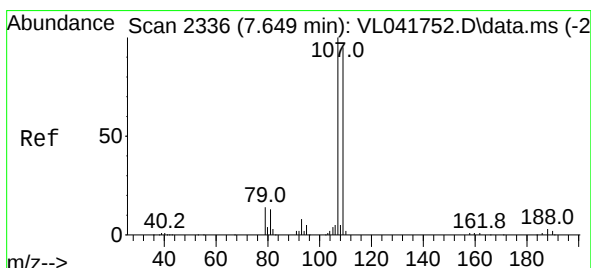
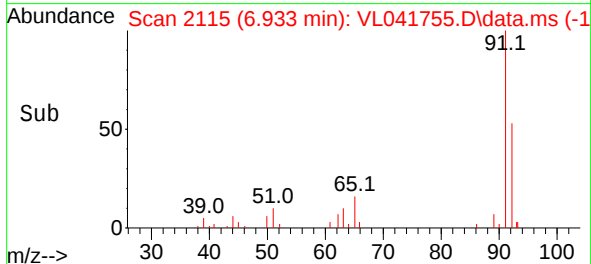
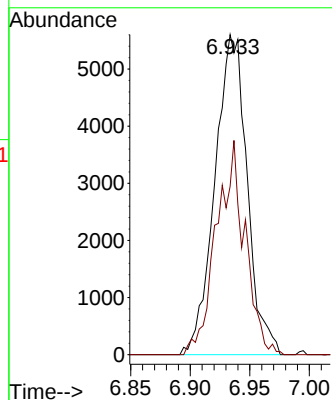
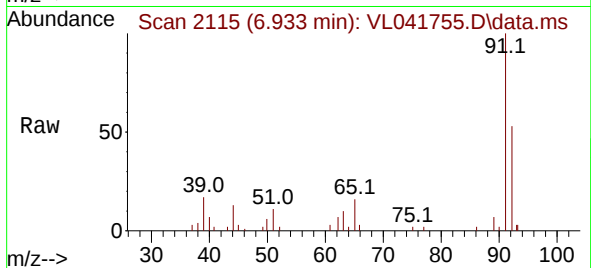
ClientSampleId :

Tgt Ion: 91 Resp: 10554

Ion Ratio Lower Upper

91 100

92 59.2 47.9 71.9



#54

1,2-Dibromoethane

Concen: 0.287 ppbv

RT: 7.652 min Scan# 2337

Delta R.T. 0.003 min

Lab File: VL041755.D

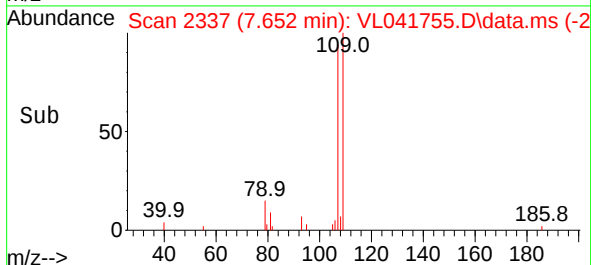
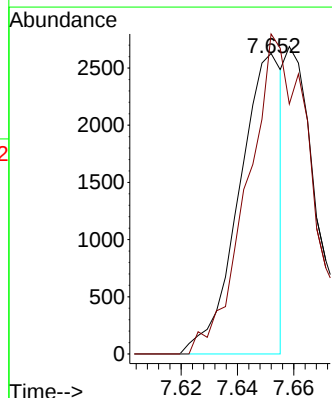
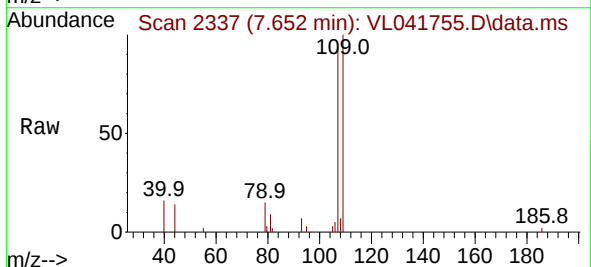
Acq: 16 Dec 2024 15:05

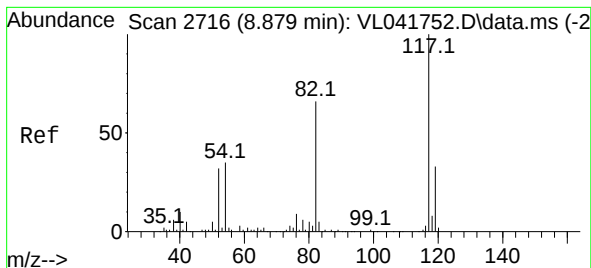
Tgt Ion:107 Resp: 2762

Ion Ratio Lower Upper

107 100

109 106.5 75.9 113.9





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.882 min Scan# 2717

Delta R.T. 0.003 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

Instrument :

MSVOA_1

ClientSampleId :

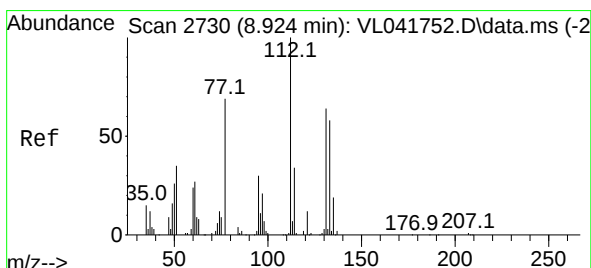
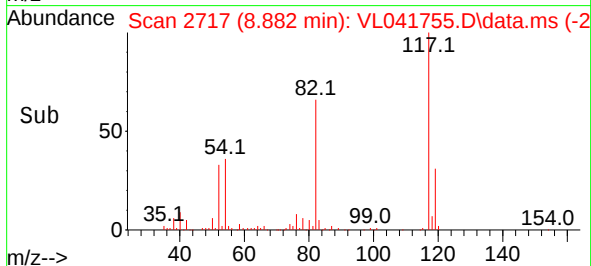
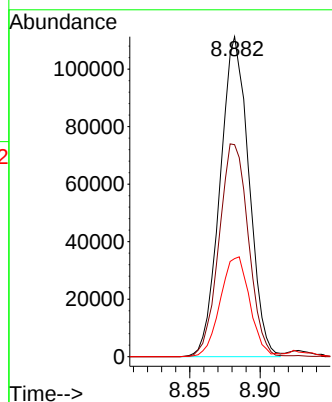
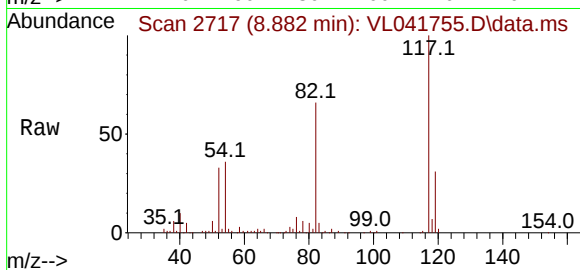
Tgt Ion:117 Resp: 158571

Ion Ratio Lower Upper

117 100

82 68.1 53.8 80.8

119 33.6 26.7 40.1



#56

1,1,1,2-Tetrachloroethane

Concen: 0.212 ppbv

RT: 8.930 min Scan# 2732

Delta R.T. 0.006 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

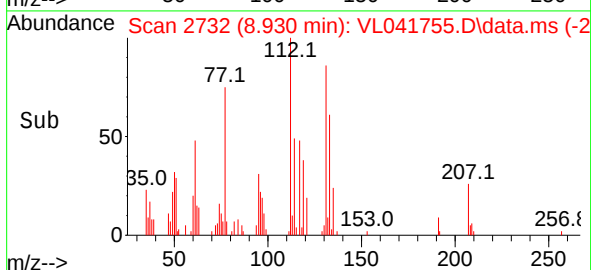
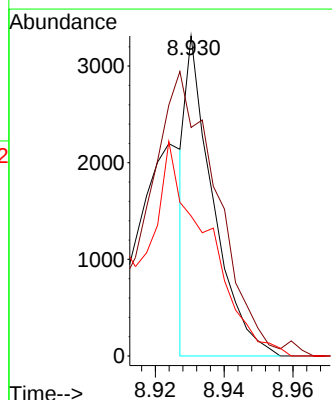
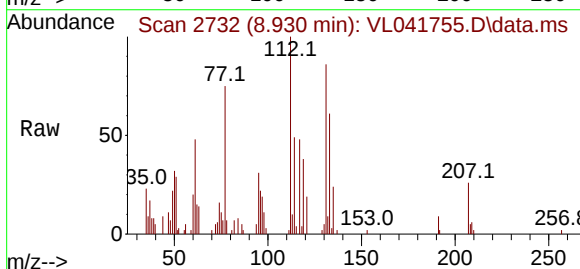
Tgt Ion:131 Resp: 1785

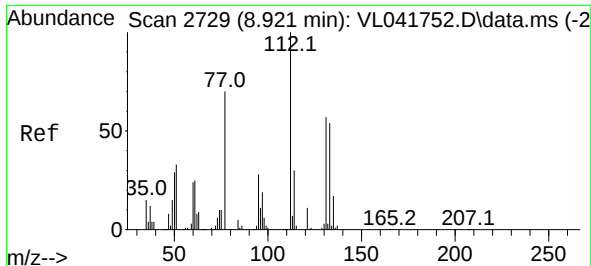
Ion Ratio Lower Upper

131 100

133 238.0 76.8 115.2#

119 0.0 49.0 73.6#





#57

Chlorobenzene

Concen: 0.263 ppbv

RT: 8.927 min Scan# 21

Delta R.T. 0.006 min

Lab File: VL041755.D

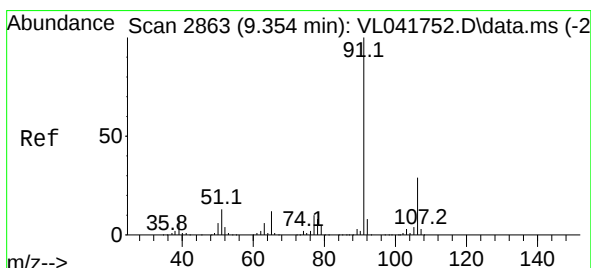
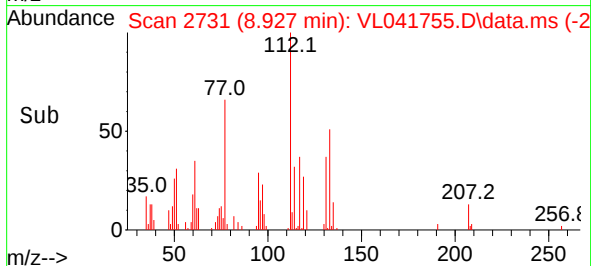
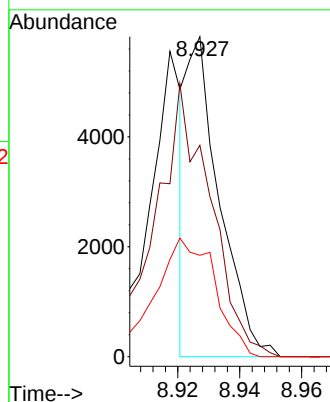
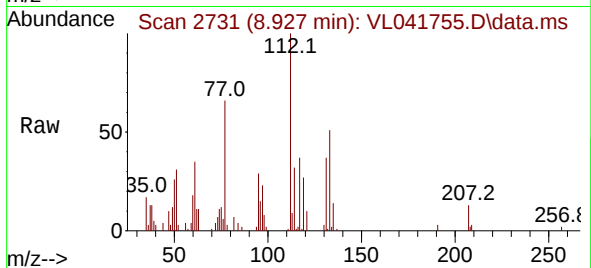
Acq: 16 Dec 2024 15:05

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:	112	Resp:	4266
Ion Ratio	Lower	Upper	
112	100		
77	66.1	57.4	86.0
114	31.7	27.4	33.4



#58

Ethyl Benzene

Concen: 0.470 ppbv

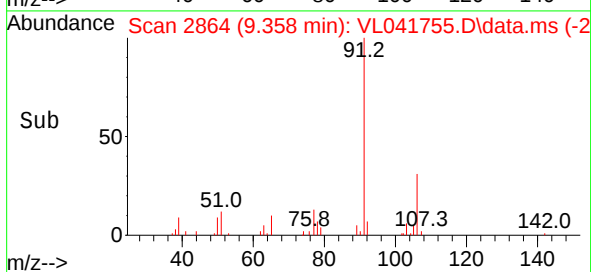
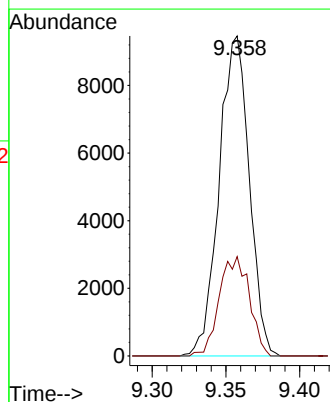
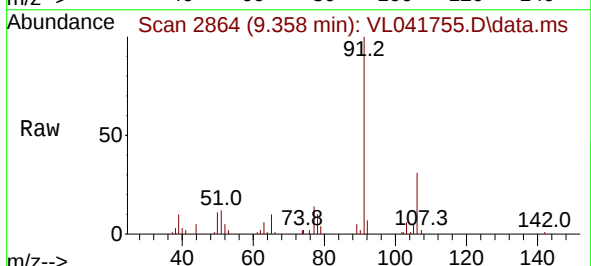
RT: 9.358 min Scan# 2864

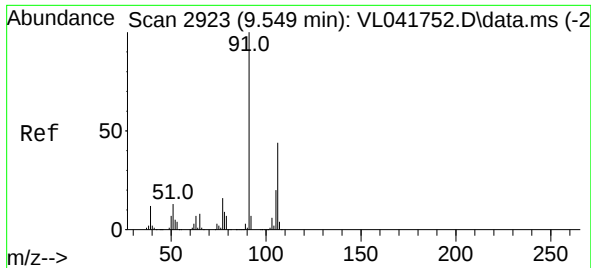
Delta R.T. 0.003 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

Tgt Ion:	91	Resp:	13428
Ion Ratio	Lower	Upper	
91	100		
106	31.0	23.5	35.3

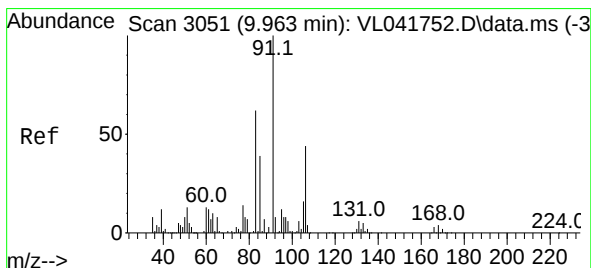
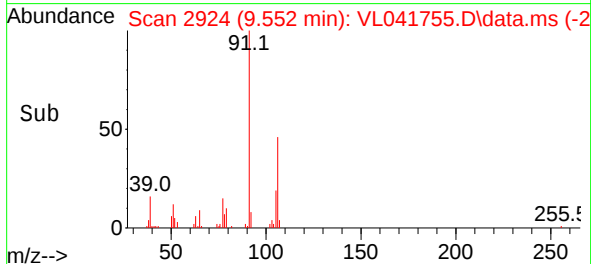
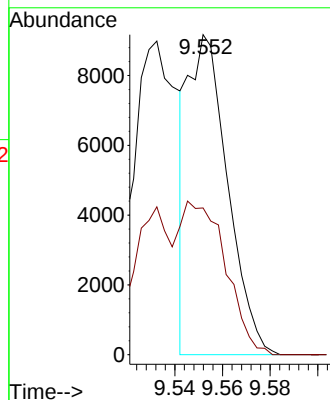
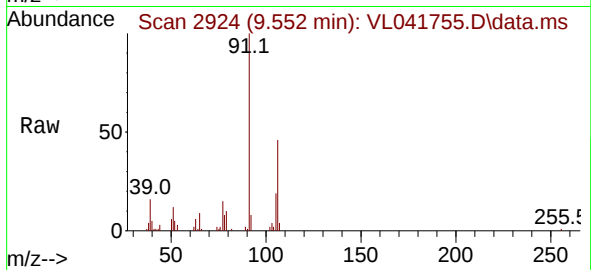




#59
m/p-Xylene
Concen: 0.461 ppbv
RT: 9.552 min Scan# 2923
Delta R.T. 0.003 min
Lab File: VL041755.D
Acq: 16 Dec 2024 15:05

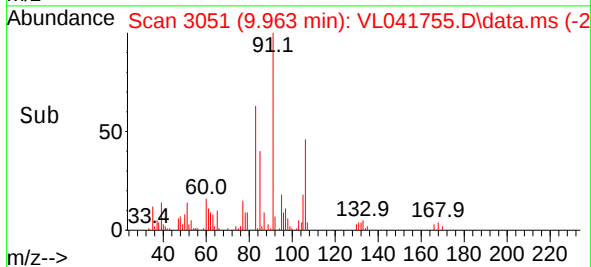
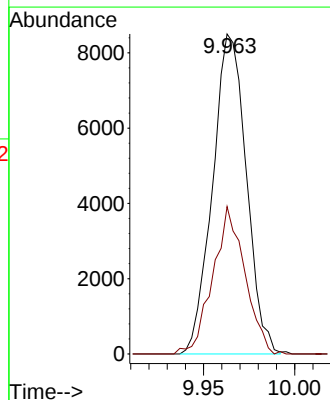
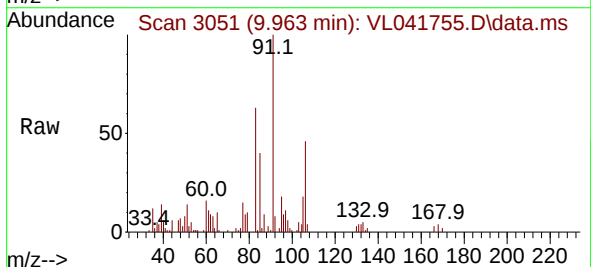
Instrument :
MSVOA_L
ClientSampleId :

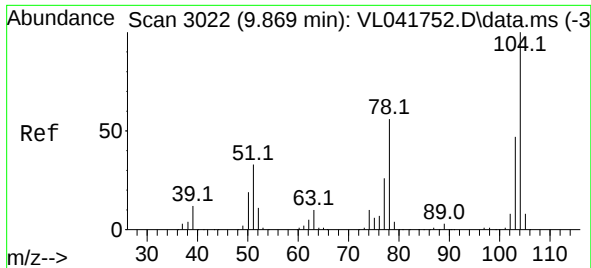
Tgt Ion: 91 Resp: 10592
Ion Ratio Lower Upper
91 100
106 100.0 0.0 0.0#



#60
o-Xylene
Concen: 0.476 ppbv
RT: 9.963 min Scan# 3051
Delta R.T. -0.000 min
Lab File: VL041755.D
Acq: 16 Dec 2024 15:05

Tgt Ion: 91 Resp: 10954
Ion Ratio Lower Upper
91 100
106 43.7 21.1 63.4

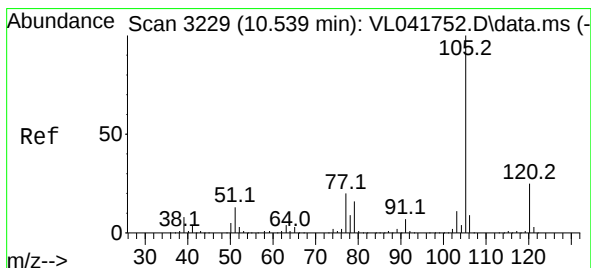
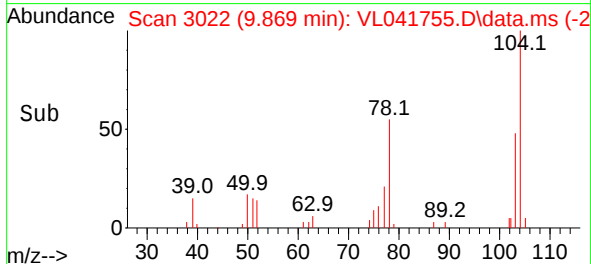
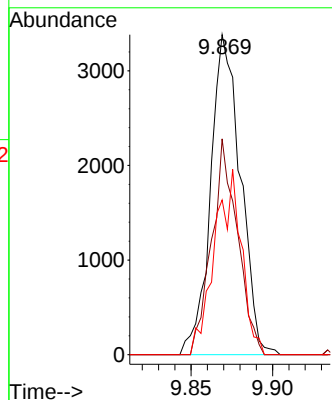
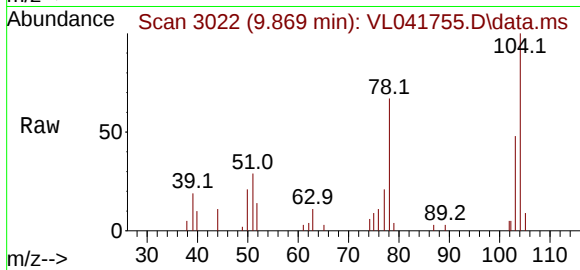




#61
Styrene
Concen: 0.433 ppbv
RT: 9.869 min Scan# 3022
Delta R.T. -0.000 min
Lab File: VL041755.D
Acq: 16 Dec 2024 15:05

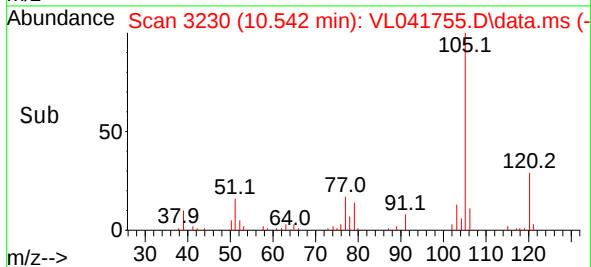
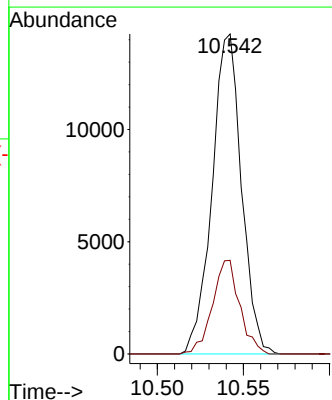
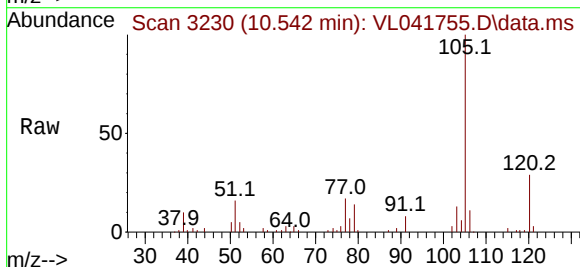
Instrument :
MSVOA_L
ClientSampleId :

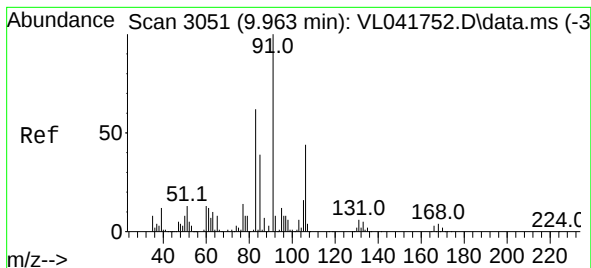
Tgt Ion:104 Resp: 4314
Ion Ratio Lower Upper
104 100
78 58.1 43.8 65.6
103 51.9 37.8 56.6



#62
Isopropylbenzene
Concen: 0.490 ppbv
RT: 10.542 min Scan# 3230
Delta R.T. 0.003 min
Lab File: VL041755.D
Acq: 16 Dec 2024 15:05

Tgt Ion:105 Resp: 16953
Ion Ratio Lower Upper
105 100
120 27.1 19.8 29.8





#63

1,1,2,2-Tetrachloroethane

Concen: 0.525 ppbv

RT: 9.966 min Scan# 3051

Delta R.T. 0.003 min

Lab File: VL041755.D

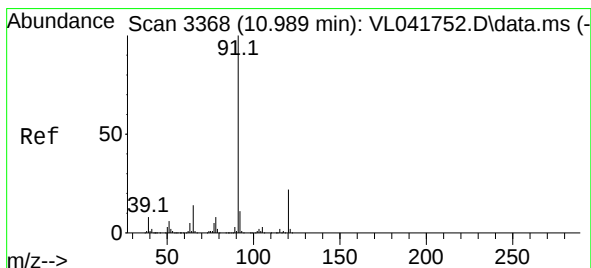
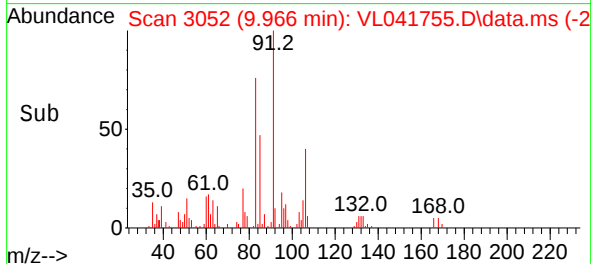
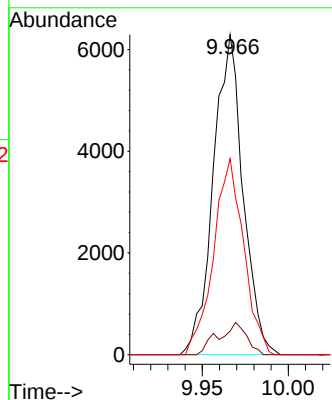
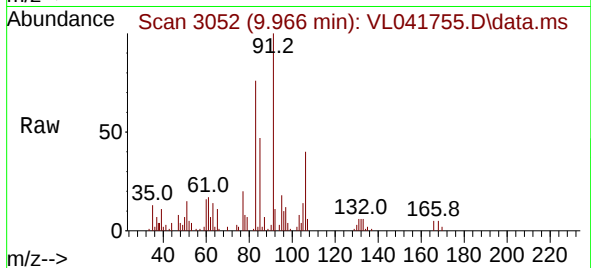
Acq: 16 Dec 2024 15:05

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:	83	Resp:	7559
Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.9	14.7
85	62.2	32.0	96.2



#64

n-propylbenzene

Concen: 0.472 ppbv

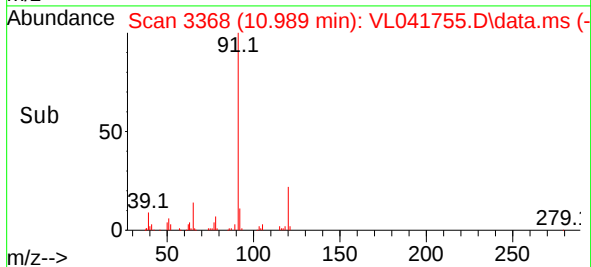
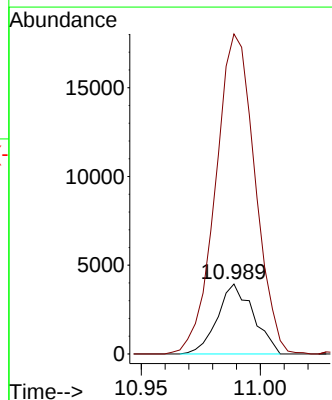
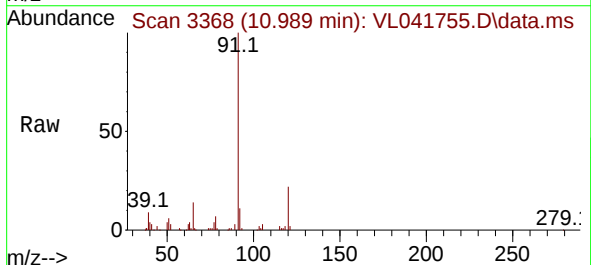
RT: 10.989 min Scan# 3368

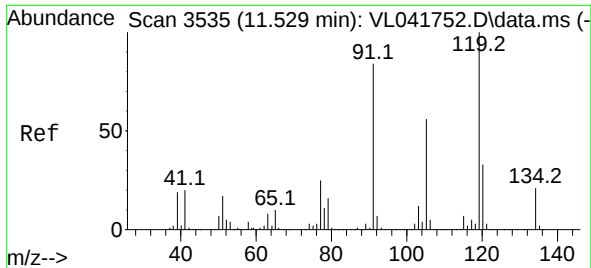
Delta R.T. -0.000 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

Tgt Ion:	120	Resp:	4126
Ion	Ratio	Lower	Upper
120	100		
91	504.6	387.3	580.9

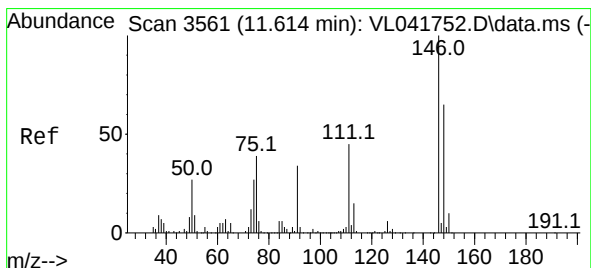
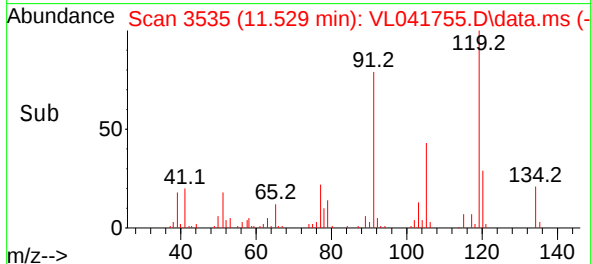
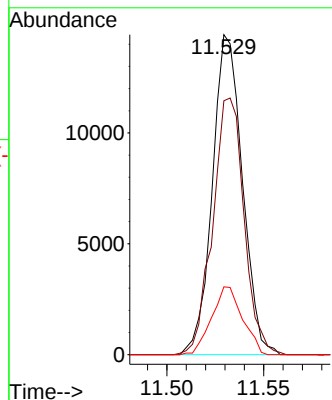
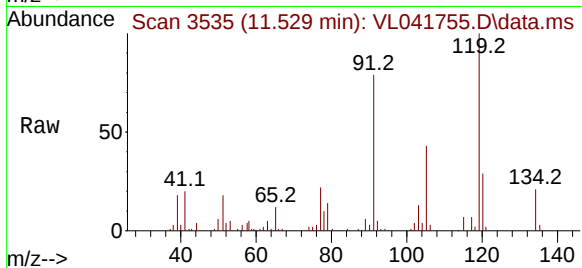




#65
tert-Butylbenzene
Concen: 0.499 ppbv
RT: 11.529 min Scan# 3535
Delta R.T. -0.000 min
Lab File: VL041755.D
Acq: 16 Dec 2024 15:05

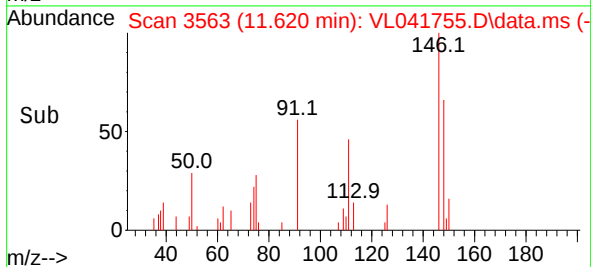
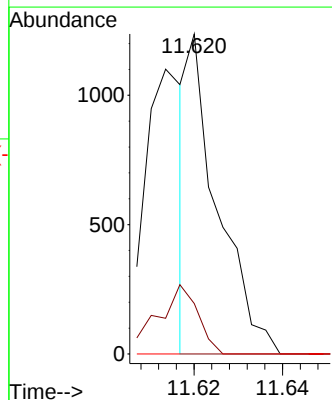
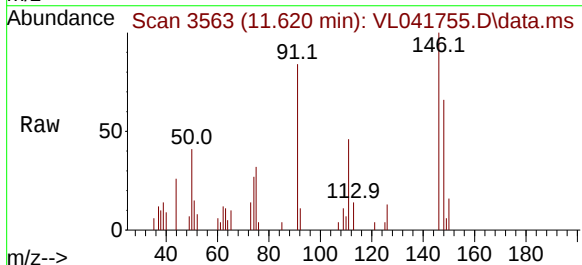
Instrument :
MSVOA_L
ClientSampleId :

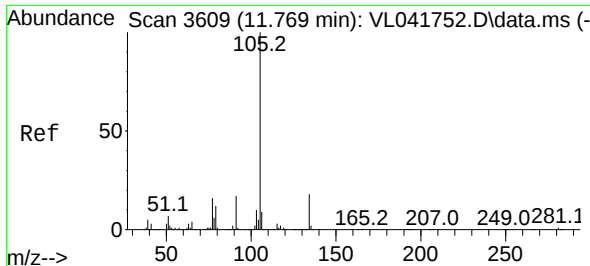
Tgt Ion:119 Resp: 15569
Ion Ratio Lower Upper
119 100
91 83.6 67.0 100.4
134 21.8 16.5 24.7



#66
Benzyl Chloride
Concen: 0.211 ppbv
RT: 11.620 min Scan# 3563
Delta R.T. 0.006 min
Lab File: VL041755.D
Acq: 16 Dec 2024 15:05

Tgt Ion: 91 Resp: 580
Ion Ratio Lower Upper
91 100
126 29.1 13.9 20.9#
128 0.0 4.4 6.6#





#67

sec-Butylbenzene

Concen: 0.492 ppbv

RT: 11.769 min Scan# 3609

Delta R.T. -0.000 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

Instrument :

MSVOA_L

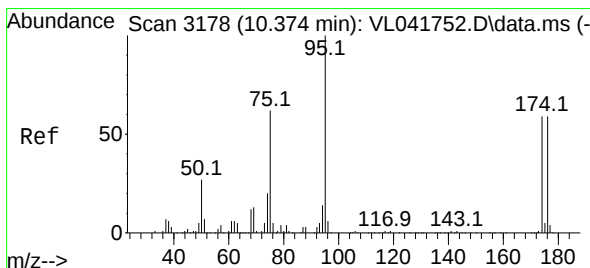
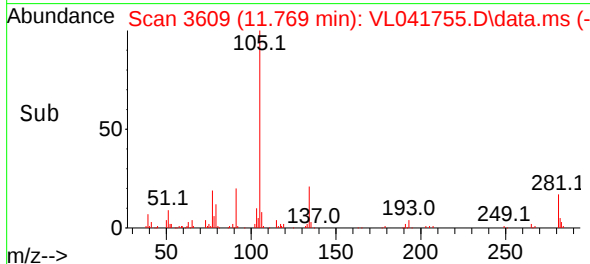
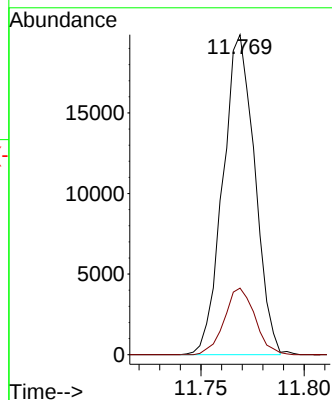
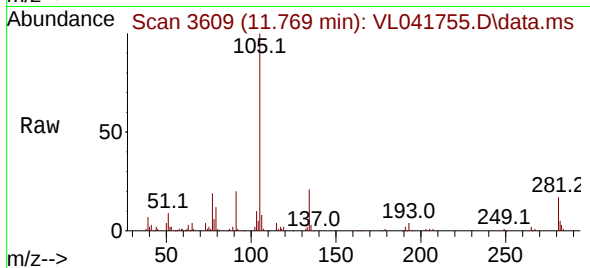
ClientSampleId :

Tgt Ion:105 Resp: 21263

Ion Ratio Lower Upper

105 100

134 20.1 14.5 21.7



#68

1-Bromo-4-Fluorobenzene

Concen: 10.010 ppbv

RT: 10.377 min Scan# 3179

Delta R.T. 0.003 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

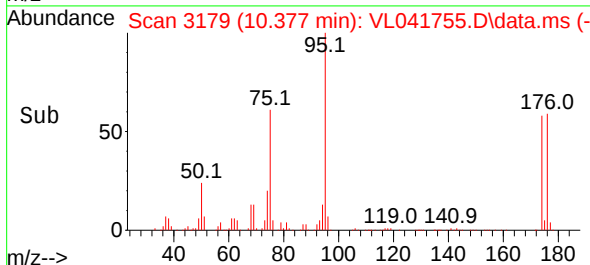
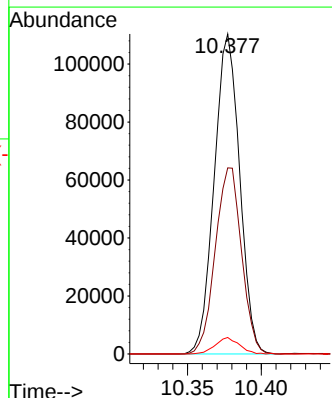
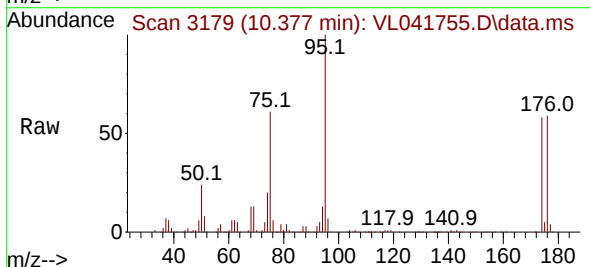
Tgt Ion: 95 Resp: 132273

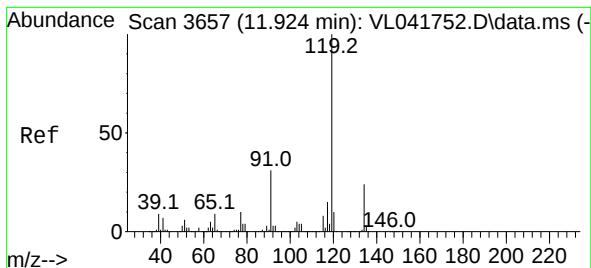
Ion Ratio Lower Upper

95 100

174 60.1 47.6 71.4

175 4.9 3.7 5.5





#69

p-Isopropyltoluene

Concen: 0.479 ppbv

RT: 11.928 min Scan# 3658

Delta R.T. 0.003 min

Lab File: VL041755.D

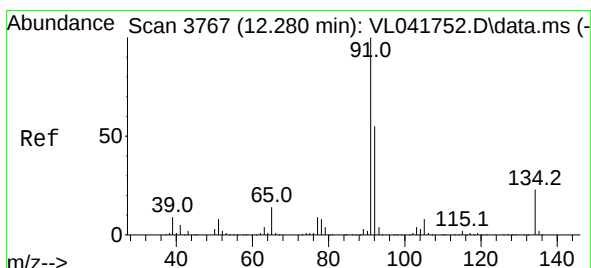
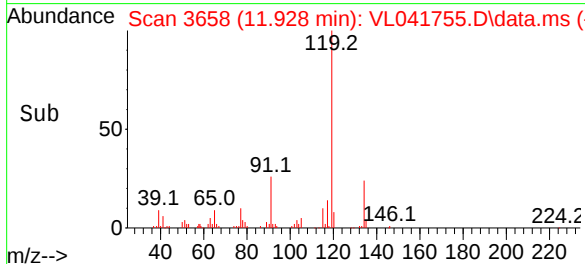
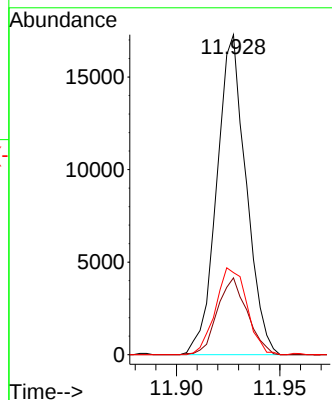
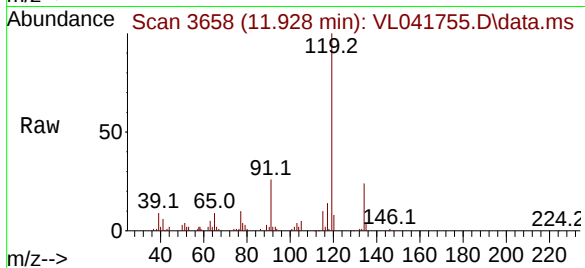
Acq: 16 Dec 2024 15:05

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:119	Resp:	17041
Ion Ratio	Lower	Upper
119	100	
134	24.5	19.6 29.4
91	29.2	24.4 36.6



#70

n-Butylbenzene

Concen: 0.456 ppbv

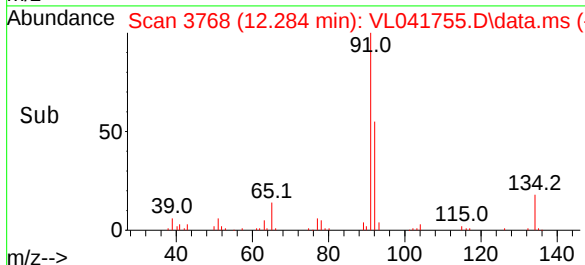
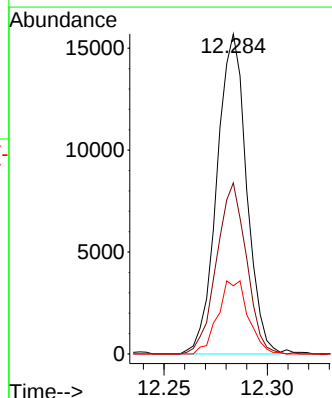
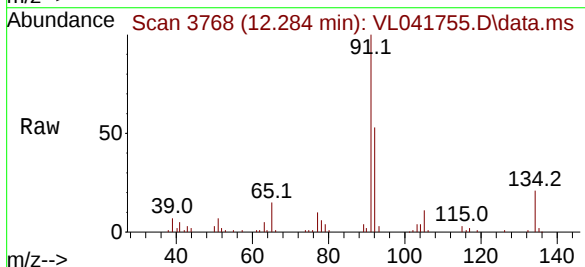
RT: 12.284 min Scan# 3768

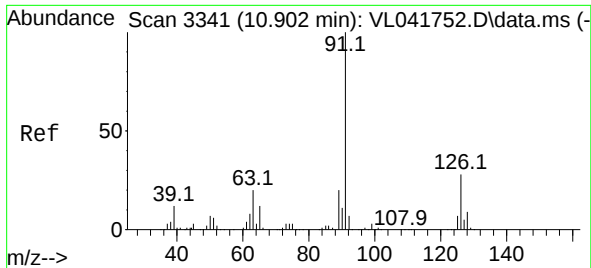
Delta R.T. 0.003 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

Tgt Ion: 91	Resp:	15671
Ion Ratio	Lower	Upper
91	100	
92	53.7	43.2 64.8
134	23.5	18.2 27.4

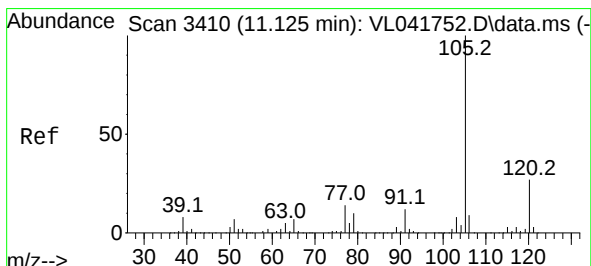
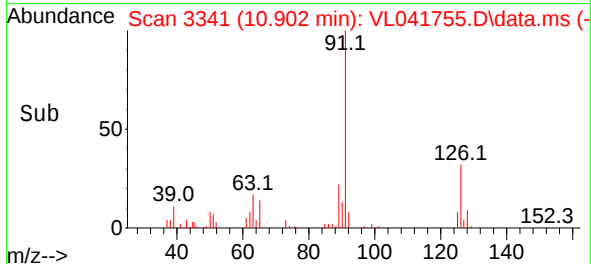
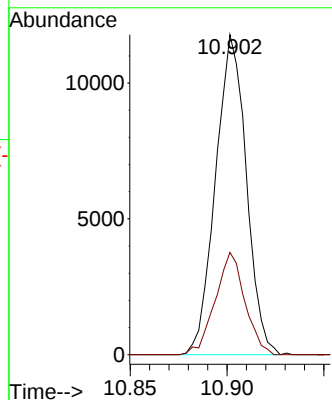
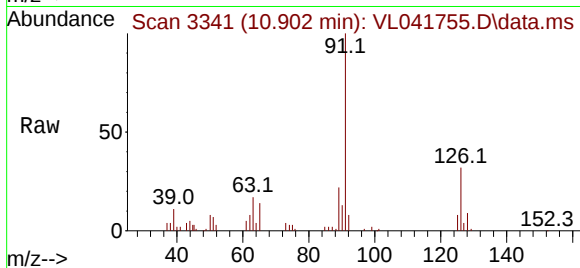




#71
2-Chlorotoluene
Concen: 0.492 ppbv
RT: 10.902 min Scan# 3411
Delta R.T. -0.000 min
Lab File: VL041755.D
Acq: 16 Dec 2024 15:05

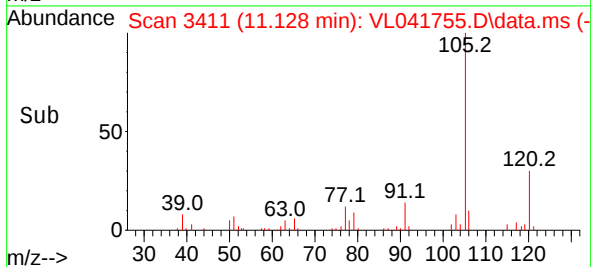
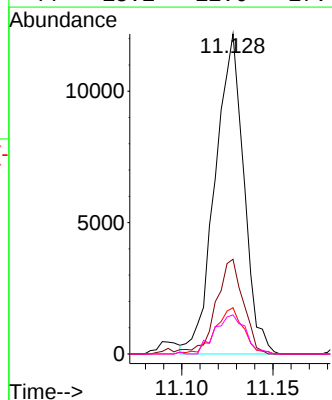
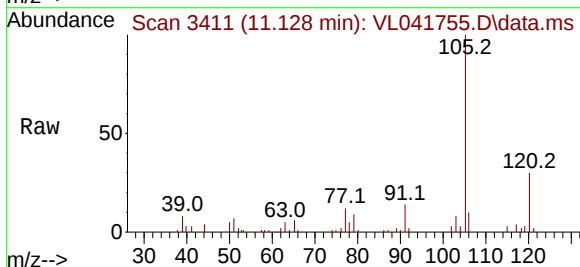
Instrument :
MSVOA_L
ClientSampleId :

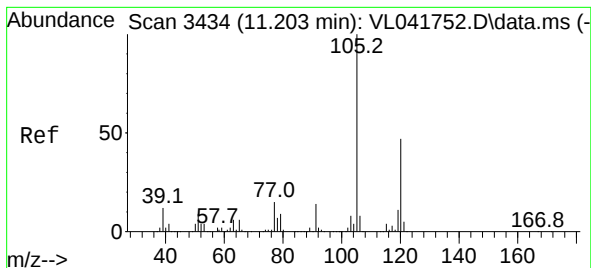
Tgt Ion: 91 Resp: 13000
Ion Ratio Lower Upper
91 100
126 30.8 11.6 46.4



#72
4-Ethyltoluene
Concen: 0.491 ppbv
RT: 11.128 min Scan# 3411
Delta R.T. 0.003 min
Lab File: VL041755.D
Acq: 16 Dec 2024 15:05

Tgt Ion:105 Resp: 13324
Ion Ratio Lower Upper
105 100
120 28.7 23.3 34.9
91 14.1 10.9 16.3
77 13.1 11.6 17.4





#73

1,3,5-Trimethylbenzene

Concen: 0.466 ppbv

RT: 11.206 min Scan# 3434

Delta R.T. 0.003 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

Instrument :

MSVOA_L

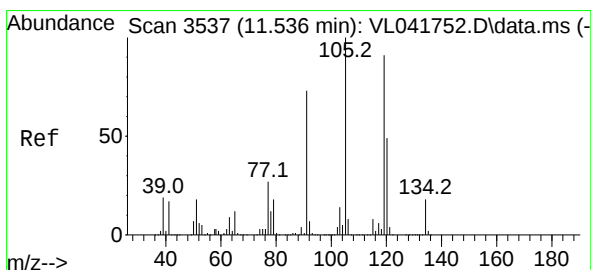
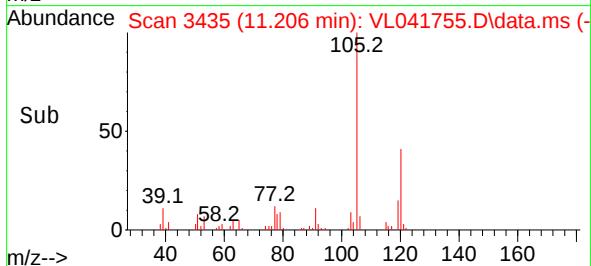
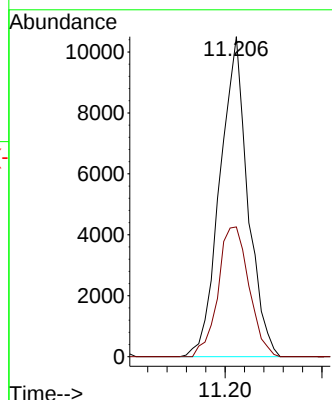
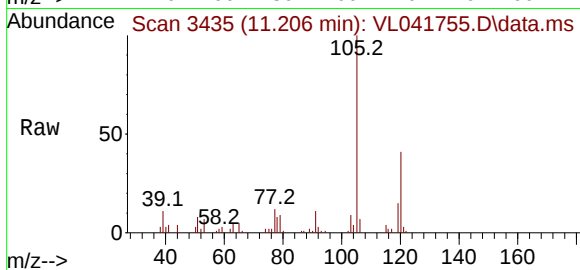
ClientSampleId :

Tgt Ion:105 Resp: 10497

Ion Ratio Lower Upper

105 100

120 40.6 37.4 56.2



#74

1,2,4-Trimethylbenzene

Concen: 0.457 ppbv

RT: 11.536 min Scan# 3537

Delta R.T. -0.000 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

Tgt Ion:105 Resp: 11070

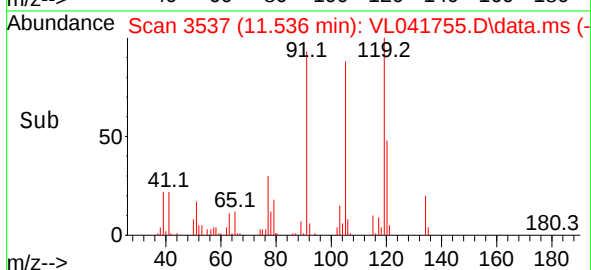
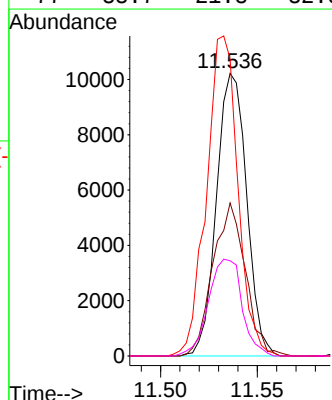
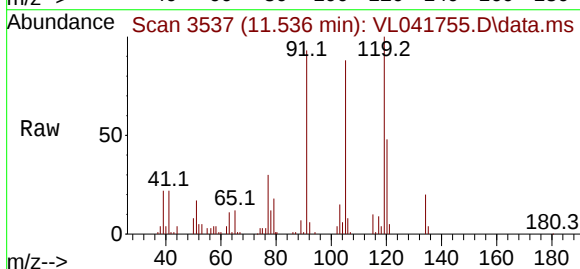
Ion Ratio Lower Upper

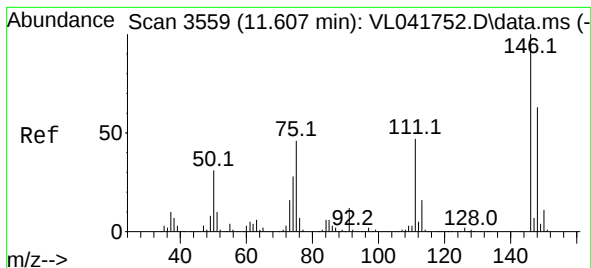
105 100

120 54.1 39.0 58.4

91 105.1 58.1 87.1#

77 33.7 21.8 32.8#





#75

1,3-Dichlorobenzene

Concen: 0.525 ppbv

RT: 11.604 min Scan# 3558

Delta R.T. -0.003 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

Instrument :

MSVOA_L

ClientSampleId :

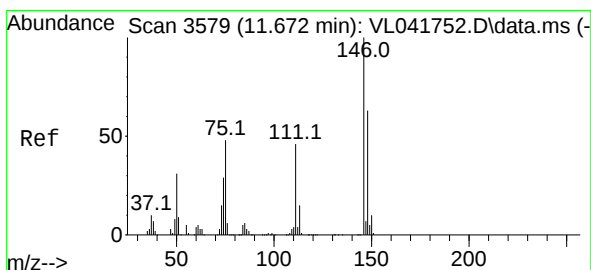
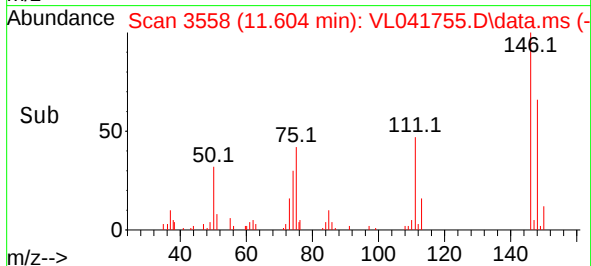
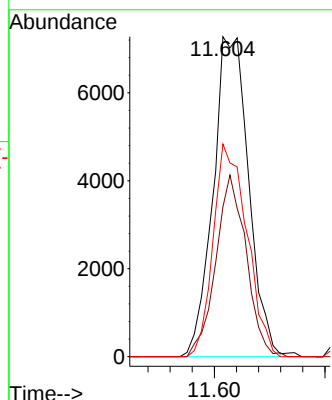
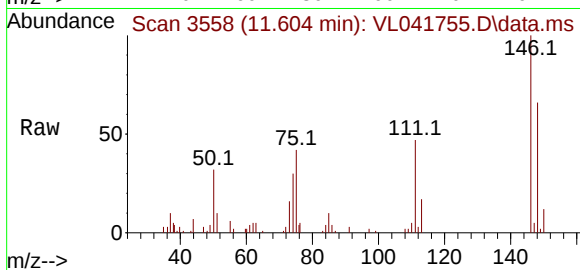
Tgt Ion:146 Resp: 8107

Ion Ratio Lower Upper

146 100

111 48.6 23.4 70.3

148 63.1 31.6 95.0



#76

1,4-Dichlorobenzene

Concen: 0.517 ppbv

RT: 11.672 min Scan# 3579

Delta R.T. -0.000 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

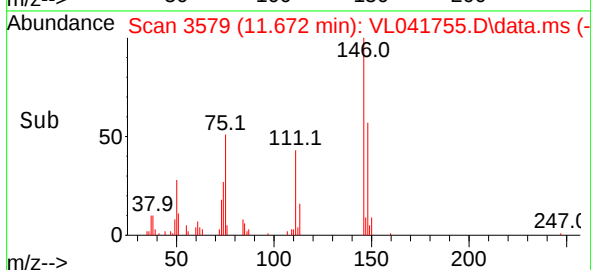
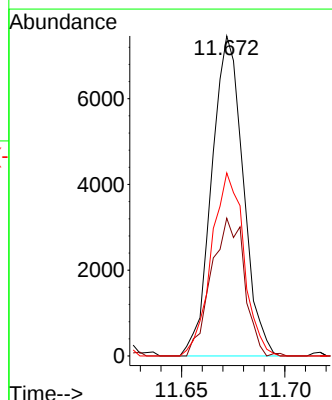
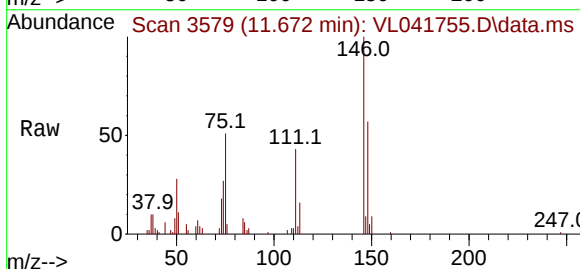
Tgt Ion:146 Resp: 7893

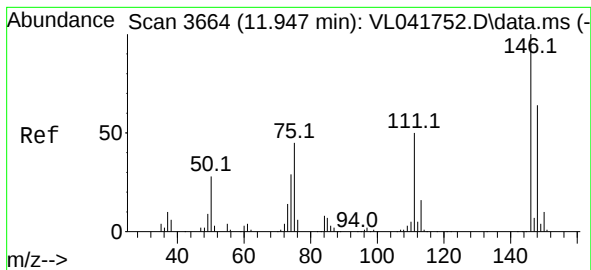
Ion Ratio Lower Upper

146 100

111 45.4 22.7 68.1

148 58.9 31.4 94.0





#77

1,2-Dichlorobenzene

Concen: 0.538 ppbv

RT: 11.950 min Scan# 3

Delta R.T. 0.003 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

Instrument :

MSVOA_L

ClientSampleId :

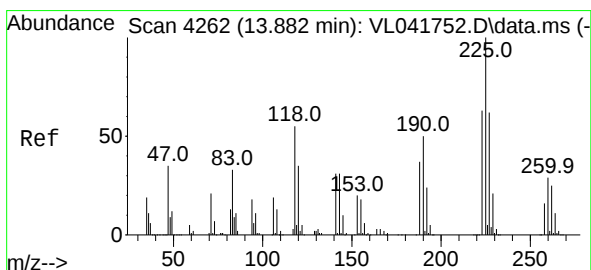
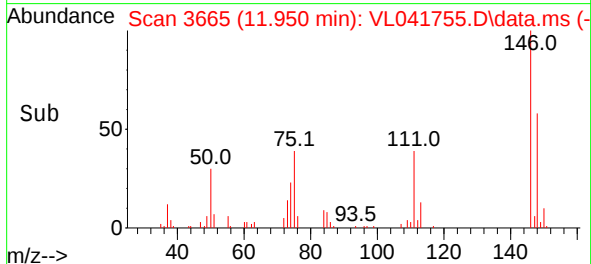
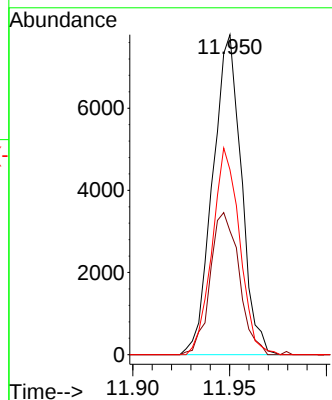
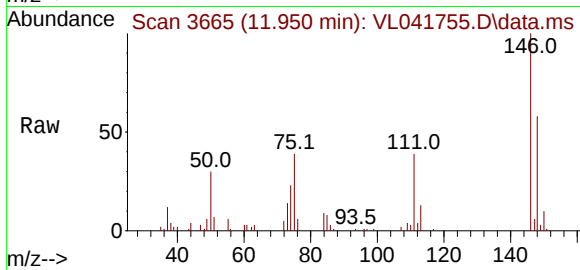
Tgt Ion:146 Resp: 7997

Ion Ratio Lower Upper

146 100

111 45.2 24.8 74.3

148 62.0 31.8 95.4



#78

Hexachloro-1,3-Butadiene

Concen: 0.565 ppbv

RT: 13.882 min Scan# 4262

Delta R.T. -0.000 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

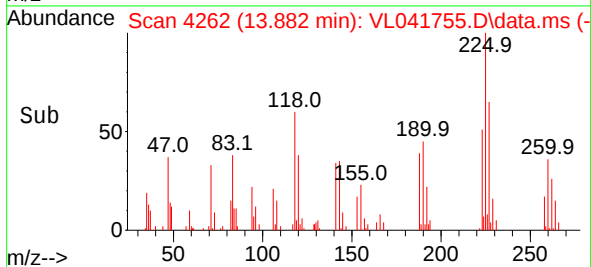
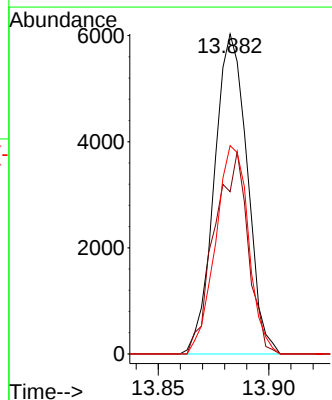
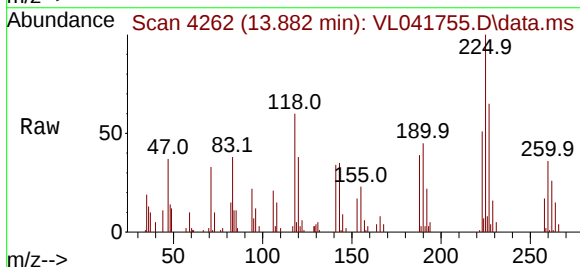
Tgt Ion:225 Resp: 6232

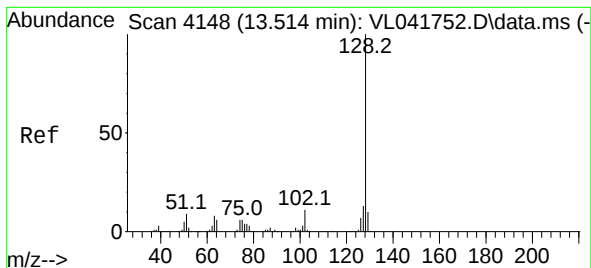
Ion Ratio Lower Upper

225 100

223 64.1 50.5 75.7

227 65.3 50.3 75.5





#79

Naphthalene

Concen: 0.436 ppbv

RT: 13.517 min Scan# 4149

Delta R.T. 0.003 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

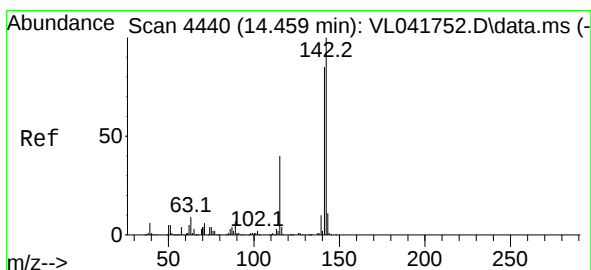
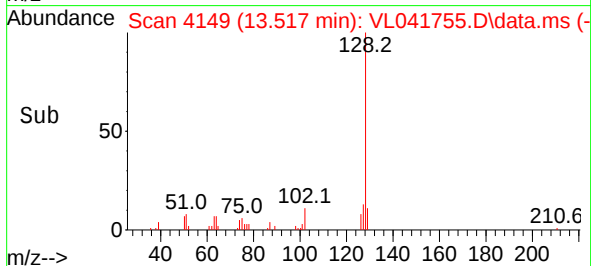
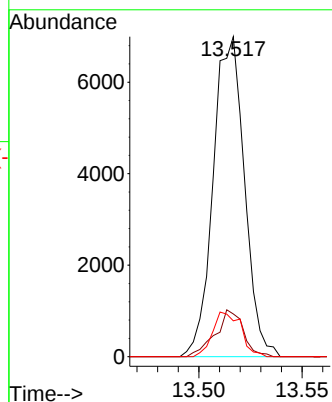
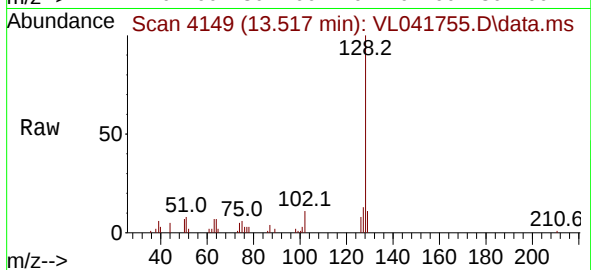
Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:128 Resp: 7360

Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.7	16.1
129	11.2	8.2	12.4



#80

Naphthalene,2-methyl-

Concen: 0.143 ppbv

RT: 14.462 min Scan# 4441

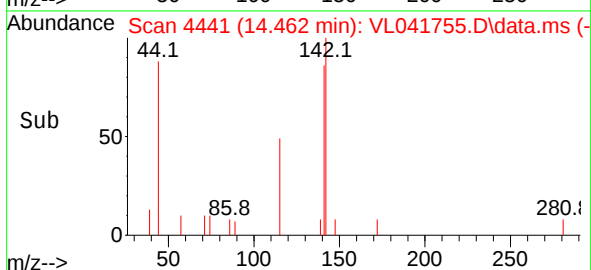
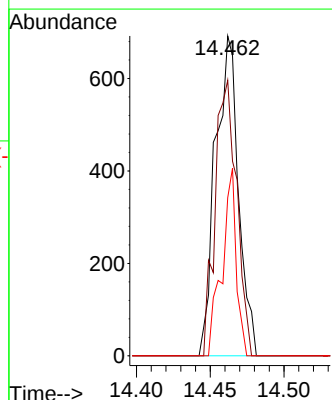
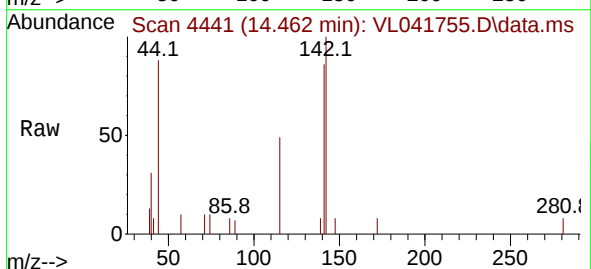
Delta R.T. 0.003 min

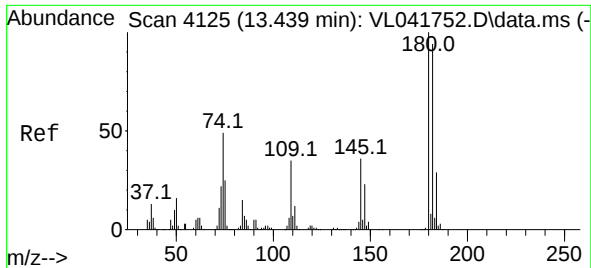
Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

Tgt Ion:142 Resp: 748

Ion	Ratio	Lower	Upper
142	100		
141	80.9	68.4	102.6
115	36.4	32.5	48.7





#81

1,2,4-Trichlorobenzene

Concen: 0.460 ppbv

RT: 13.442 min Scan# 41

Delta R.T. 0.003 min

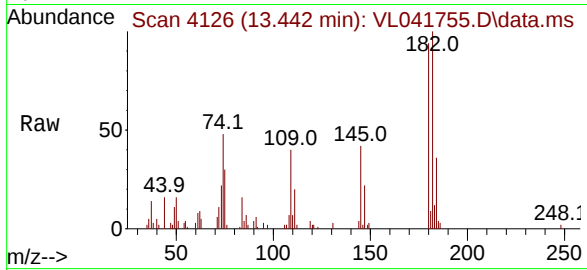
Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion:180 Resp: 4248

Ion Ratio Lower Upper

180 100

182 104.5 77.0 115.6

184 31.7 23.8 35.8

