

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL021725\
 Data File : VL042027.D
 Acq On : 17 Feb 2025 13:17
 Operator : SY/MD
 Sample : Q1168-15 0.45
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Feb 18 00:24:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021425AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Feb 18 00:13:37 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.800	49	88972	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.978	114	256401	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.898	117	231531	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.390	95	193981	10.157	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.600%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	7622	0.498	ppbv	99
3) Chlorodifluoromethane	1.480	51	9394	0.555	ppbv	98
4) Chloromethane	1.538	50	3234	0.543	ppbv #	80
5) Vinyl Chloride	1.586	62	2854	0.401	ppbv	95
6) Bromomethane	1.674	94	1358	0.492	ppbv	99
7) Chloroethane	1.706	64	1379	0.594	ppbv #	77
8) Dichlorotetrafluoroethane	1.561	85	6395	0.475	ppbv	98
9) Propene	1.816	41	292	0.040	ppbv	85
10) Heptane	5.008	43	1294	0.064	ppbv #	1
11) Trichlorofluoromethane	1.884	101	7592	0.493	ppbv	94
12) 1,1,2-Trichlorotrifluo...	2.146	101	6156	0.512	ppbv	91
13) Ethanol	1.729	45	845	1.026	ppbv #	25
14) Bromoethene	1.787	108	2171	0.484	ppbv #	87
15) Acetone	1.842	43	9941	0.677	ppbv	98
16) 1,3-Butadiene	1.616	39	3793	0.544	ppbv	97
17) tert-Butyl alcohol	2.049	59	9389	0.517	ppbv #	90
18) 1,1-Dichloroethene	2.043	96	2370	0.413	ppbv #	87
19) Isopropyl Alcohol	1.894	45	4981	0.605	ppbv #	37
20) Methylene Chloride	2.072	84	4097	0.741	ppbv	92
21) Allyl Chloride	2.104	41	4850	0.456	ppbv #	84
22) trans-1,2-Dichloroethene	2.732	96	5467	0.877	ppbv	94
23) Vinyl Acetate	2.470	43	4407	0.554	ppbv #	93
24) 1,1-Dichloroethane	2.418	63	5616	0.444	ppbv	95
25) Ethyl Acetate	2.852	43	21909	0.544	ppbv #	96
26) Hexane	2.839	57	10149	0.627	ppbv	85
27) Carbon Disulfide	2.159	76	7166	0.471	ppbv #	1
28) Methyl tert-Butyl Ether	2.454	73	5362	0.542	ppbv #	84
29) Chloroform	2.862	83	11136	0.475	ppbv	92
30) Cyclohexane	3.872	84	6721	0.512	ppbv	94
31) cis-1,2-Dichloroethene	2.732	61	8056	0.504	ppbv	93
32) 1,1,1-Trichloroethane	3.386	97	11824	0.455	ppbv	98
34) 2-Butanone	2.574	43	12858	0.583	ppbv	97
35) Carbon Tetrachloride	3.781	117	11520	0.463	ppbv #	91
36) Benzene	3.674	78	16529	0.532	ppbv	97
37) 1,2-Dichloroethane	3.234	62	9965	0.564	ppbv #	94
38) Trichloroethene	4.574	130	2718	0.215	ppbv	99
39) 1,2-Dichloropropane	4.338	63	5965	0.524	ppbv	92
40) 1,4-Dioxane	4.629	88	1521	0.257	ppbv #	22
41) Tetrahydrofuran	3.082	42	6616	0.525	ppbv	91
42) Bromodichloromethane	4.519	83	3737	0.156	ppbv #	76
43) Methyl Methacrylate	4.904	69	2179	0.154	ppbv #	1
44) 2,2,4-Trimethylpentane	4.665	57	27655	0.525	ppbv	97
45) t-1,3-Dichloropropene	6.448	75	4487	0.336	ppbv	94

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL021725\
 Data File : VL042027.D
 Acq On : 17 Feb 2025 13:17
 Operator : SY/MD
 Sample : Q1168-15 0.45
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

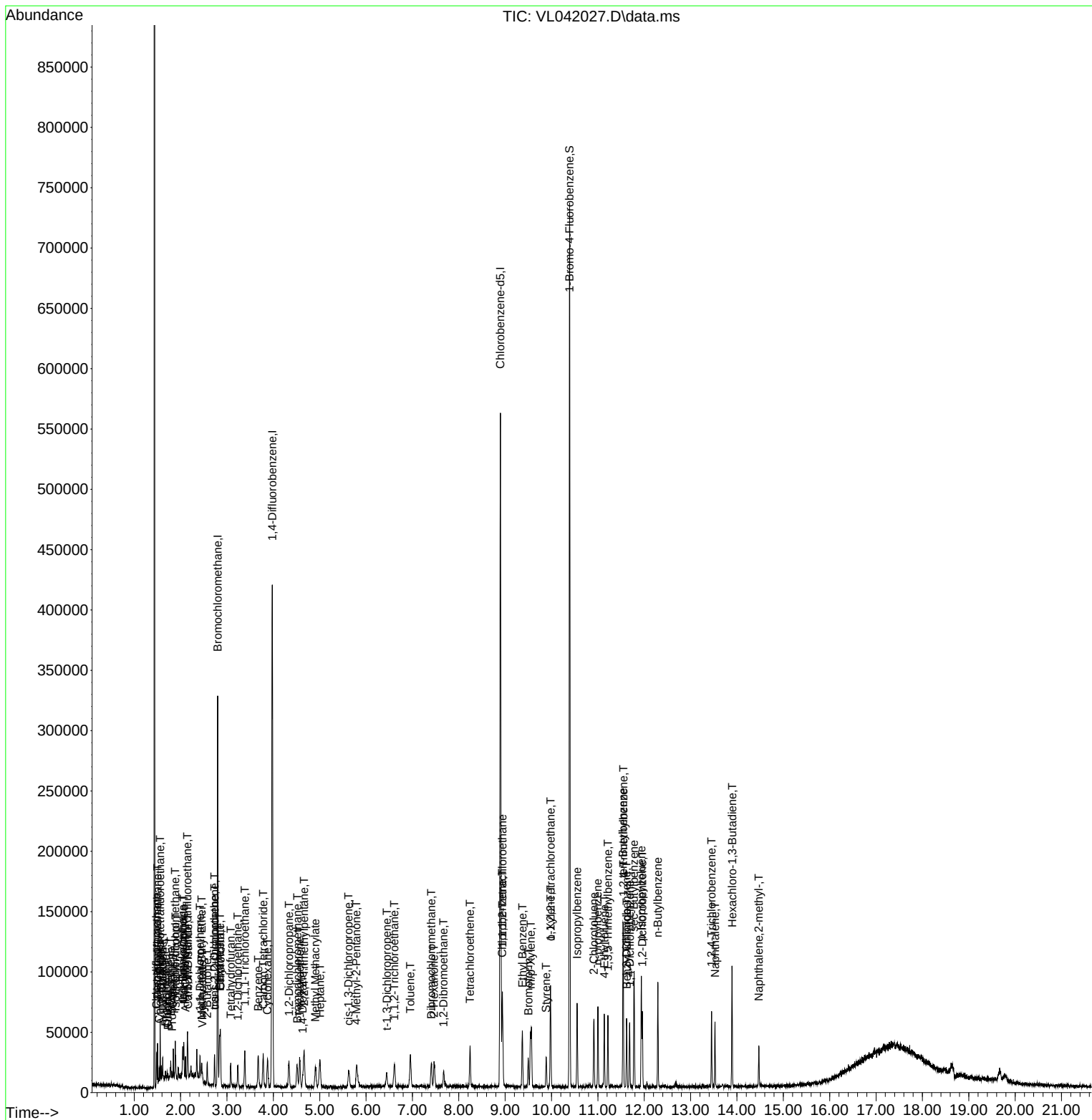
Instrument :
 MSVOA_L
 ClientSampleId :

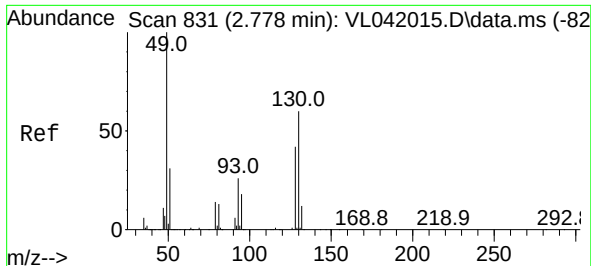
Quant Time: Feb 18 00:24:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021425AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Feb 18 00:13:37 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.623	75	4181	0.247	ppbv	92
47) 1,1,2-Trichloroethane	6.610	97	1491	0.124	ppbv #	29
48) Dibromochloromethane	7.406	129	6805	0.339	ppbv	64
49) Bromoform	9.500	173	7818	0.475	ppbv	97
50) 4-Methyl-2-Pentanone	5.788	43	6142	0.181	ppbv #	38
51) 2-Hexanone	7.464	43	9312	0.336	ppbv #	65
52) Tetrachloroethene	8.241	164	3255	0.300	ppbv	96
53) Toluene	6.953	91	18274	0.494	ppbv	94
54) 1,2-Dibromoethane	7.671	107	8783	0.532	ppbv #	64
56) 1,1,1,2-Tetrachloroethane	8.940	131	9340	0.564	ppbv	84
57) Chlorobenzene	8.937	112	14887	0.547	ppbv #	95
58) Ethyl Benzene	9.374	91	26163	0.516	ppbv	98
59) m/p-Xylene	9.552	91	8089	0.203	ppbv #	31
60) o-Xylene	9.979	91	21143	0.524	ppbv	98
61) Styrene	9.885	104	8834	0.459	ppbv	96
62) Isopropylbenzene	10.552	105	30205	0.498	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.979	83	12895	0.495	ppbv #	97
64) n-propylbenzene	10.999	120	5294	0.356	ppbv #	22
65) tert-Butylbenzene	11.542	119	27599	0.522	ppbv	98
66) Benzyl Chloride	11.627	91	2621	0.495	ppbv #	90
67) sec-Butylbenzene	11.779	105	37062	0.499	ppbv	99
69) p-Isopropyltoluene	11.941	119	30281	0.498	ppbv	97
70) n-Butylbenzene	12.293	91	30353	0.507	ppbv	100
71) 2-Chlorotoluene	10.914	91	23526	0.515	ppbv	97
72) 4-Ethyltoluene	11.141	105	24106	0.510	ppbv #	94
73) 1,3,5-Trimethylbenzene	11.215	105	20794	0.510	ppbv	94
74) 1,2,4-Trimethylbenzene	11.549	105	22841	0.522	ppbv	98
75) 1,3-Dichlorobenzene	11.617	146	12329	0.523	ppbv	98
76) 1,4-Dichlorobenzene	11.688	146	11823	0.514	ppbv	97
77) 1,2-Dichlorobenzene	11.960	146	12786	0.568	ppbv	95
78) Hexachloro-1,3-Butadiene	13.895	225	10087	0.541	ppbv	94
79) Naphthalene	13.526	128	23132	0.537	ppbv	97
80) Naphthalene,2-methyl-	14.472	142	10226	0.524	ppbv	97
81) 1,2,4-Trichlorobenzene	13.452	180	9696	0.554	ppbv	94

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

Quant Time: Feb 18 00:24:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSV0A_L\methods\VL021425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSV0A_LFri Aug 26 06:05:16 2022
QLast Update : Tue Feb 18 00:13:37 2025
Response via : Initial Calibration

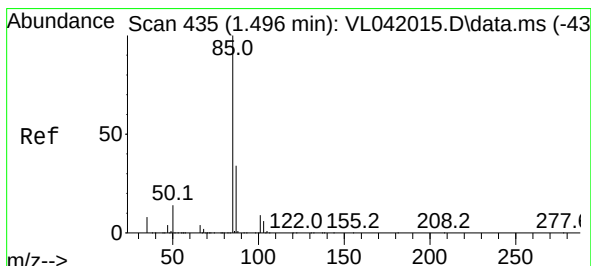
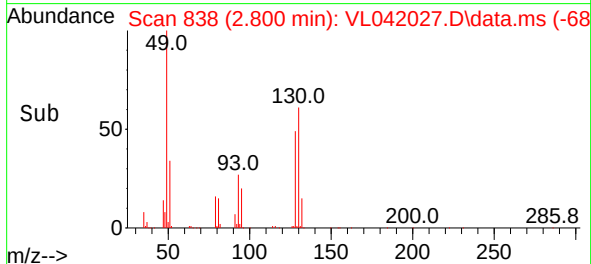
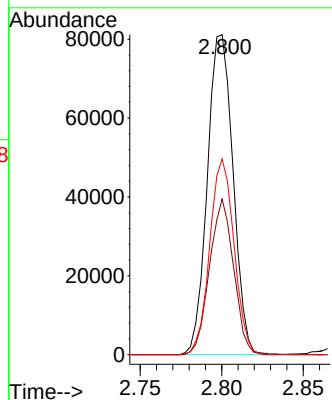
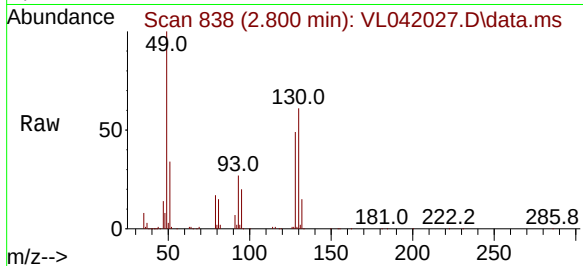




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 831
Delta R.T. 0.000 min
Lab File: VL042027.D
Acq: 17 Feb 2025 13:17

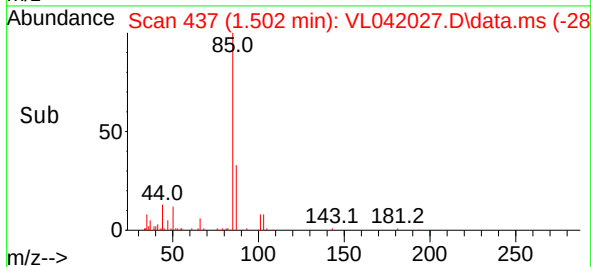
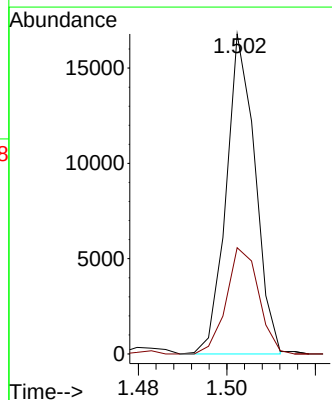
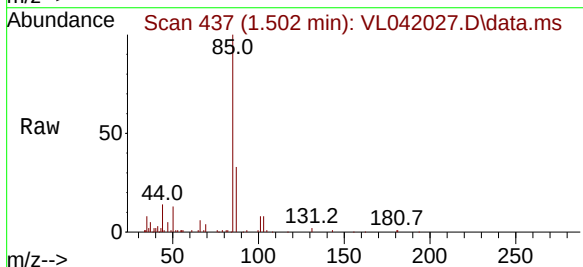
Instrument :
MSVOA_L
ClientSampleId :

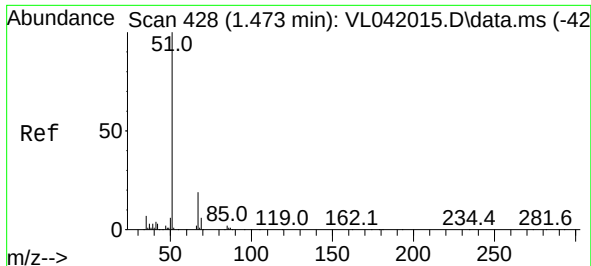
Tgt Ion: 49 Resp: 88972
Ion Ratio Lower Upper
49 100
128 45.4 22.7 68.0
130 57.9 29.9 89.8



#2
Dichlorodifluoromethane
Concen: 0.498 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.000 min
Lab File: VL042027.D
Acq: 17 Feb 2025 13:17

Tgt Ion: 85 Resp: 7622
Ion Ratio Lower Upper
85 100
87 33.2 26.9 40.3

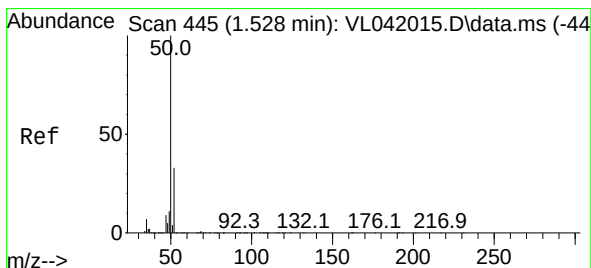
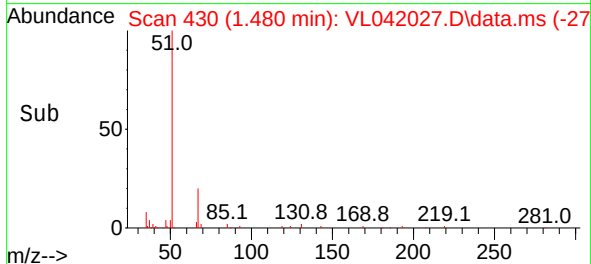
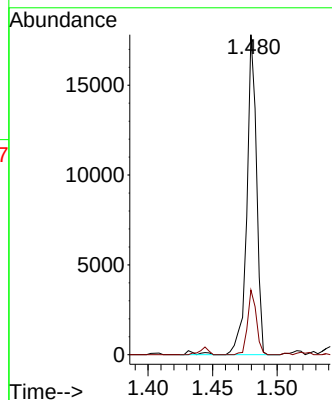
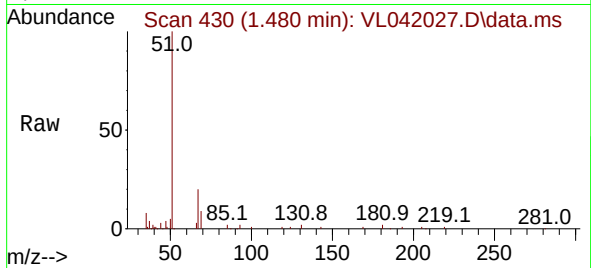




#3
Chlorodifluoromethane
Concen: 0.555 ppbv
RT: 1.480 min Scan# 41
Delta R.T. 0.000 min
Lab File: VL042027.D
Acq: 17 Feb 2025 13:17

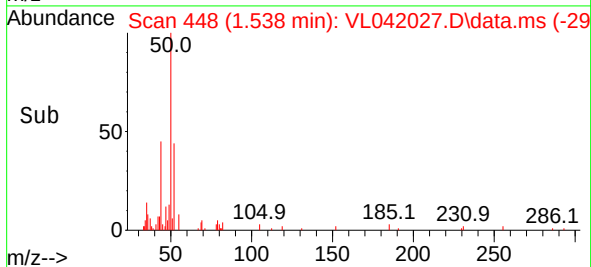
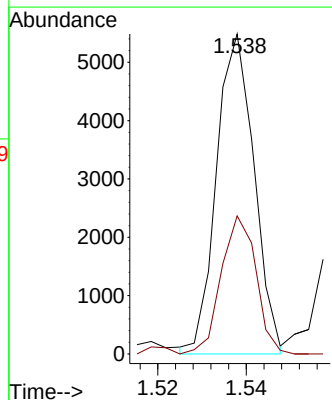
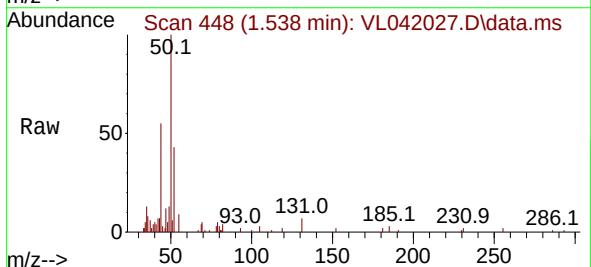
Instrument :
MSVOA_L
ClientSampleId :

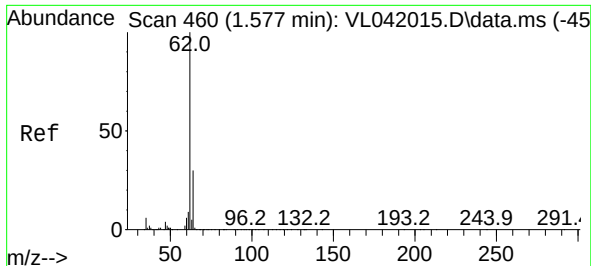
Tgt Ion: 51 Resp: 9394
Ion Ratio Lower Upper
51 100
67 18.1 15.0 22.6



#4
Chloromethane
Concen: 0.543 ppbv
RT: 1.538 min Scan# 448
Delta R.T. 0.000 min
Lab File: VL042027.D
Acq: 17 Feb 2025 13:17

Tgt Ion: 50 Resp: 3234
Ion Ratio Lower Upper
50 100
52 44.1 26.2 39.2#

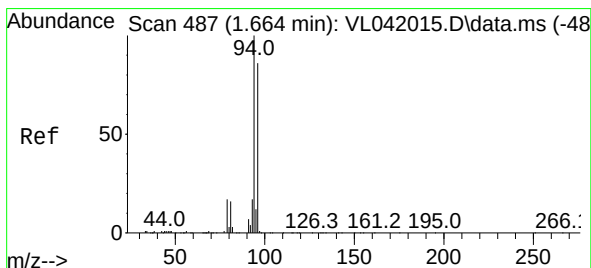
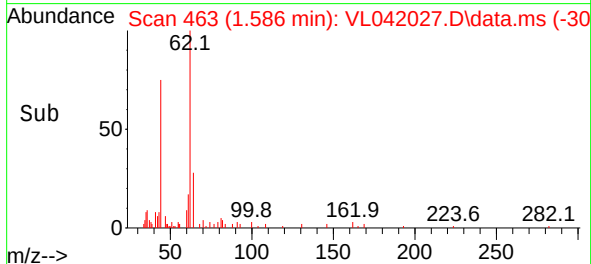
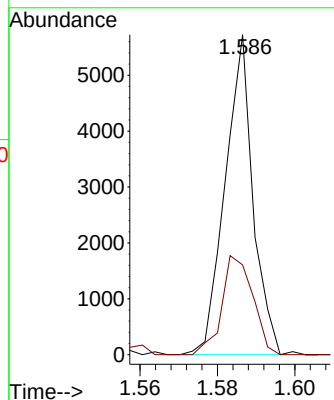
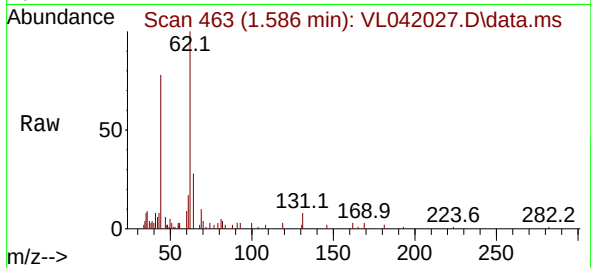




#5
 Vinyl Chloride
 Concen: 0.401 ppbv
 RT: 1.586 min Scan# 401
 Delta R.T. 0.000 min
 Lab File: VL042027.D
 Acq: 17 Feb 2025 13:17

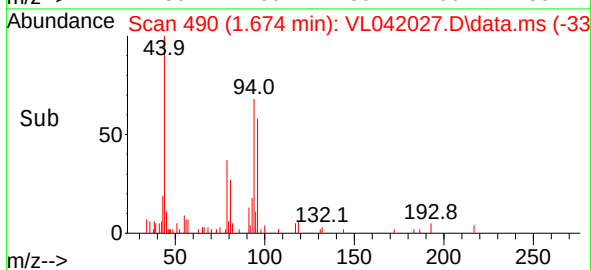
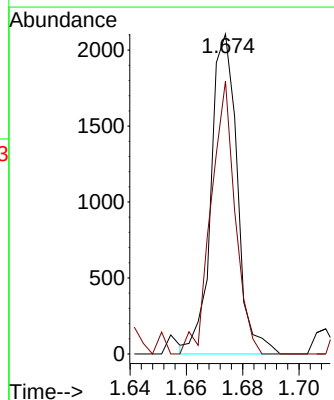
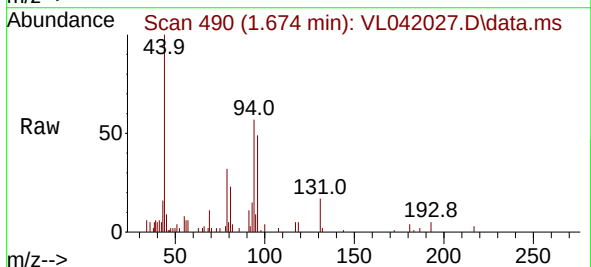
Instrument :
 MSVOA_L
 ClientSampleId :

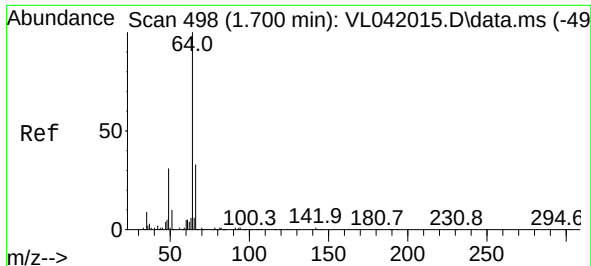
Tgt Ion: 62 Resp: 2854
 Ion Ratio Lower Upper
 62 100
 64 28.0 24.4 36.6



#6
 Bromomethane
 Concen: 0.492 ppbv
 RT: 1.674 min Scan# 490
 Delta R.T. 0.000 min
 Lab File: VL042027.D
 Acq: 17 Feb 2025 13:17

Tgt Ion: 94 Resp: 1358
 Ion Ratio Lower Upper
 94 100
 96 85.3 69.0 103.6

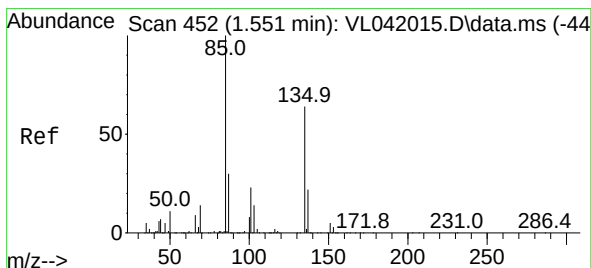
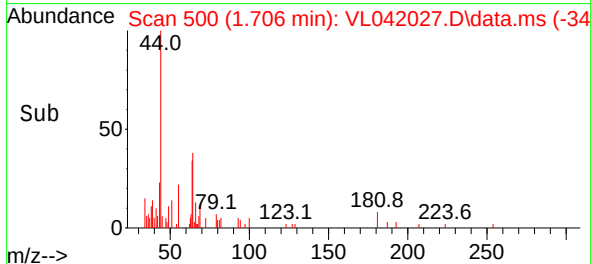
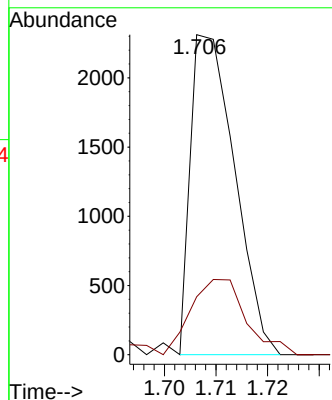
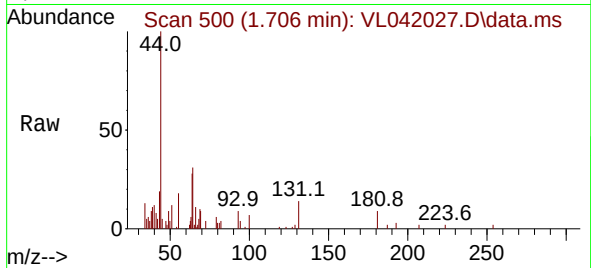




#7
Chloroethane
Concen: 0.594 ppbv
RT: 1.706 min Scan# 50
Delta R.T. -0.003 min
Lab File: VL042027.D
Acq: 17 Feb 2025 13:17

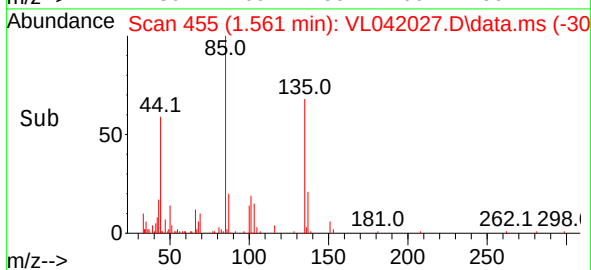
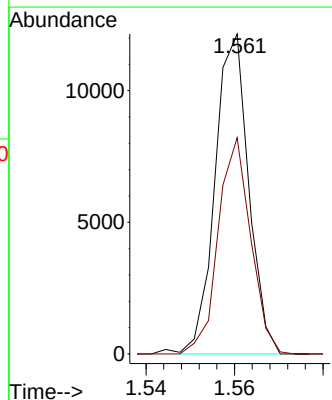
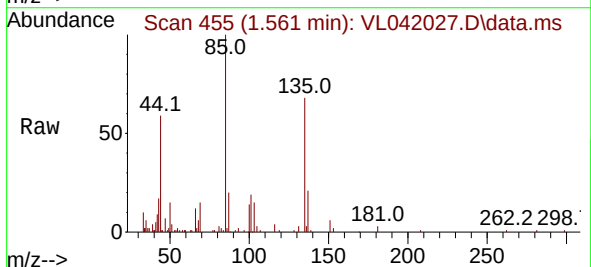
Instrument :
MSVOA_L
ClientSampleId :

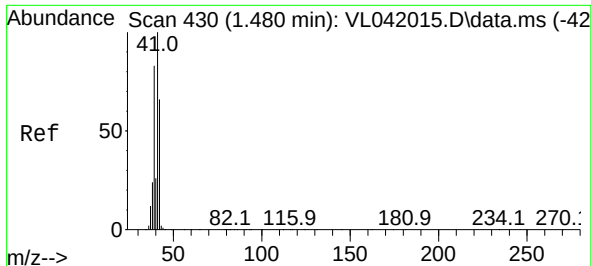
Tgt Ion: 64 Resp: 1379
Ion Ratio Lower Upper
64 100
66 20.3 26.5 39.7#



#8
Dichlorotetrafluoroethane
Concen: 0.475 ppbv
RT: 1.561 min Scan# 455
Delta R.T. 0.000 min
Lab File: VL042027.D
Acq: 17 Feb 2025 13:17

Tgt Ion: 85 Resp: 6395
Ion Ratio Lower Upper
85 100
135 65.5 50.9 76.3

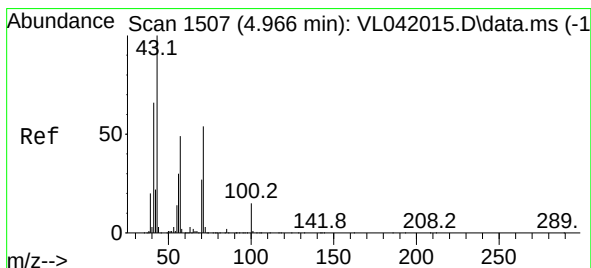
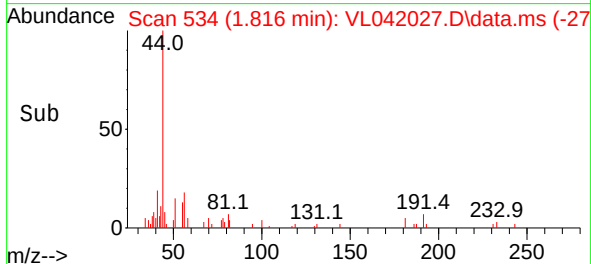
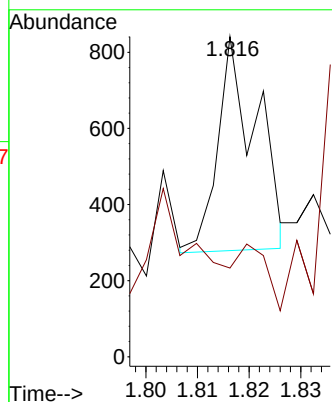
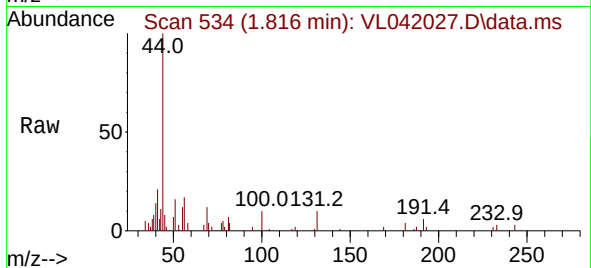




#9
Propene
Concen: 0.040 ppbv
RT: 1.816 min Scan# 51
Delta R.T. 0.327 min
Lab File: VL042027.D
Acq: 17 Feb 2025 13:17

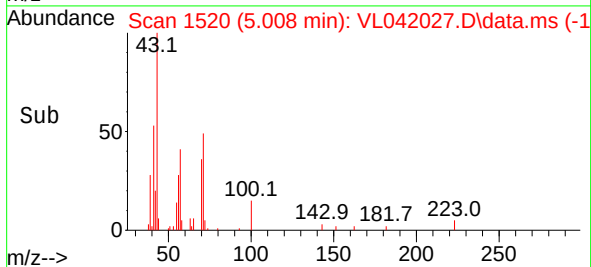
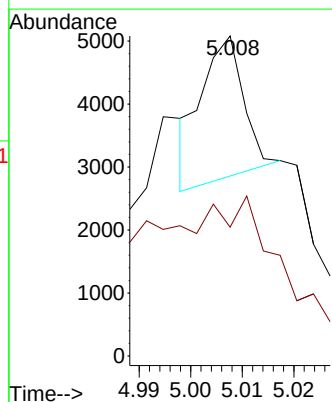
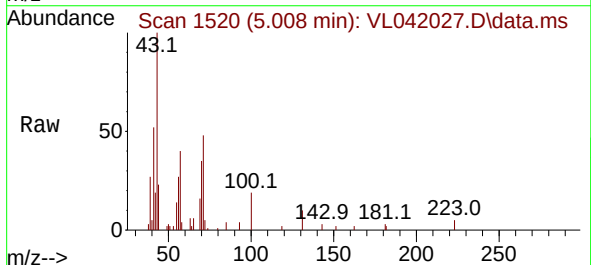
Instrument :
MSVOA_L
ClientSampleId :

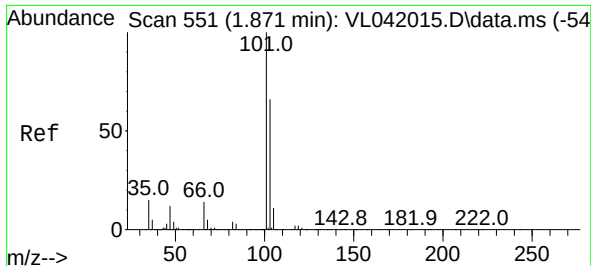
Tgt Ion: 41 Resp: 292
Ion Ratio Lower Upper
41 100
42 78.8 53.5 80.3



#10
Heptane
Concen: 0.064 ppbv
RT: 5.008 min Scan# 1520
Delta R.T. 0.004 min
Lab File: VL042027.D
Acq: 17 Feb 2025 13:17

Tgt Ion: 43 Resp: 1294
Ion Ratio Lower Upper
43 100
57 424.3 41.0 61.6#





#11

Trichlorofluoromethane

Concen: 0.493 ppbv

RT: 1.884 min Scan# 51

Delta R.T. 0.000 min

Lab File: VL042027.D

Acq: 17 Feb 2025 13:17

Instrument :

MSVOA_L

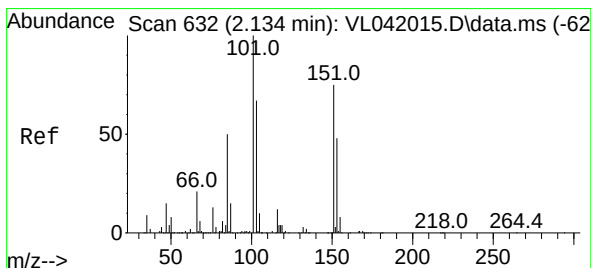
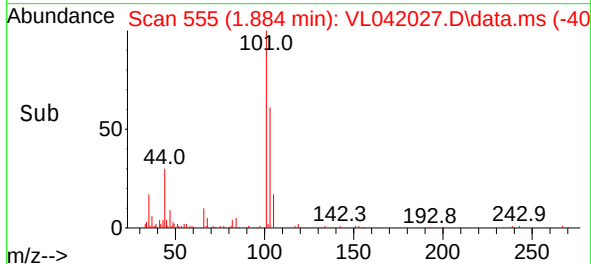
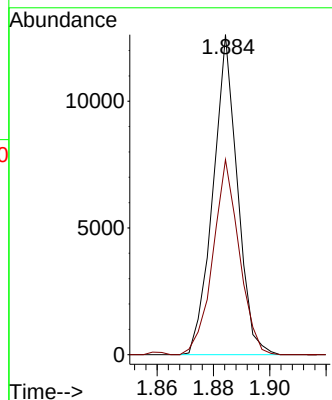
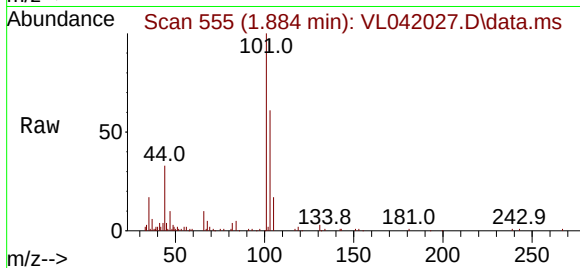
ClientSampleId :

Tgt Ion:101 Resp: 7592

Ion Ratio Lower Upper

101 100

103 61.0 52.9 79.3



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.512 ppbv

RT: 2.146 min Scan# 636

Delta R.T. -0.003 min

Lab File: VL042027.D

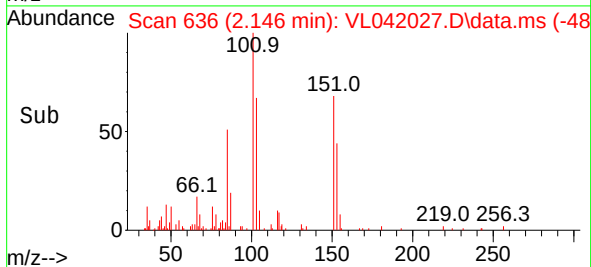
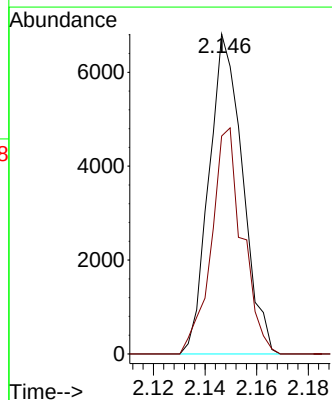
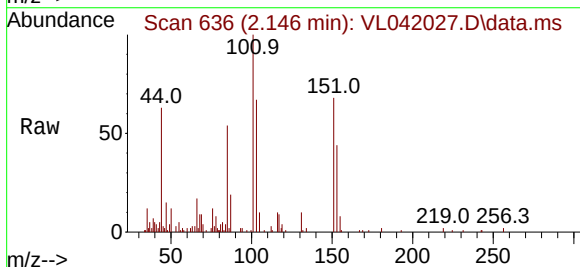
Acq: 17 Feb 2025 13:17

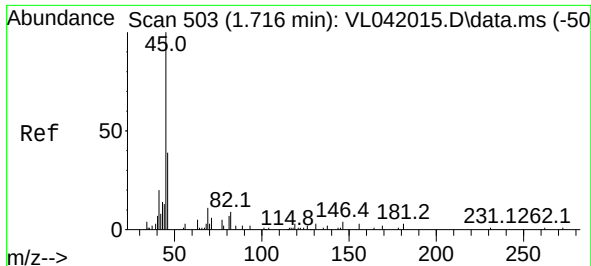
Tgt Ion:101 Resp: 6156

Ion Ratio Lower Upper

101 100

151 65.5 58.2 87.2





#13

Ethanol

Concen: 1.026 ppbv

RT: 1.729 min Scan# 50

Delta R.T. 0.000 min

Lab File: VL042027.D

Acq: 17 Feb 2025 13:17

Instrument :

MSVOA_L

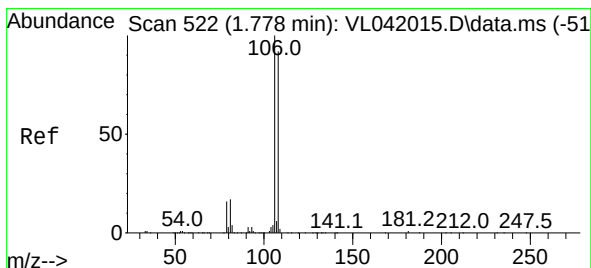
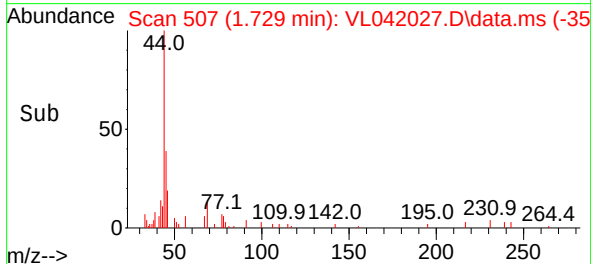
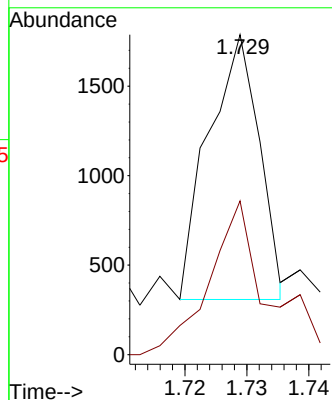
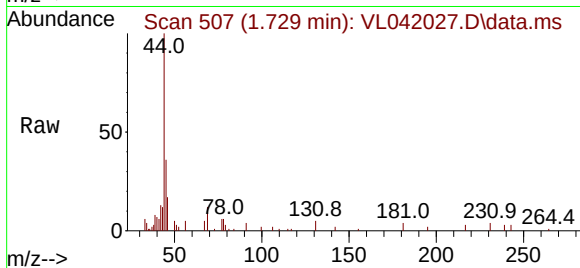
ClientSampleId :

Tgt Ion: 45 Resp: 845

Ion Ratio Lower Upper

45 100

46 0.0 21.3 85.1#



#14

Bromoethene

Concen: 0.484 ppbv

RT: 1.787 min Scan# 525

Delta R.T. 0.000 min

Lab File: VL042027.D

Acq: 17 Feb 2025 13:17

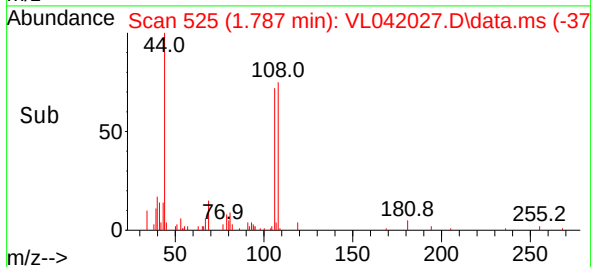
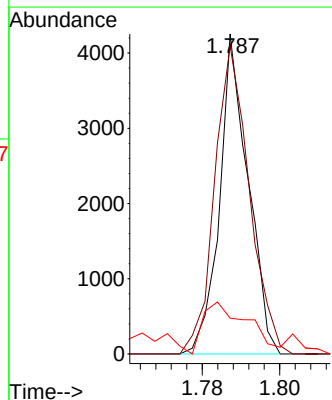
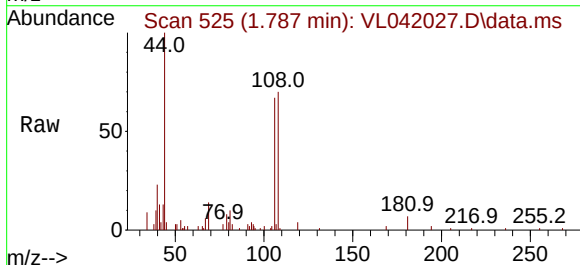
Tgt Ion:108 Resp: 2171

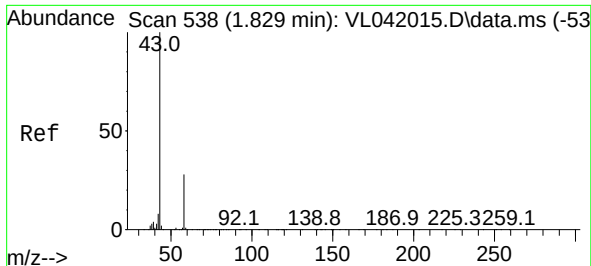
Ion Ratio Lower Upper

108 100

106 117.3 85.0 127.6

79 32.6 17.3 25.9#





#15

Acetone

Concen: 0.677 ppbv

RT: 1.842 min Scan# 541

Delta R.T. 0.000 min

Lab File: VL042027.D

Acq: 17 Feb 2025 13:17

Instrument :

MSVOA_L

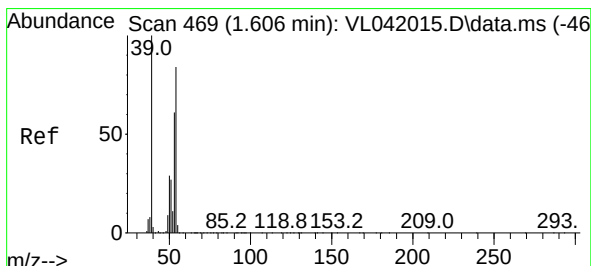
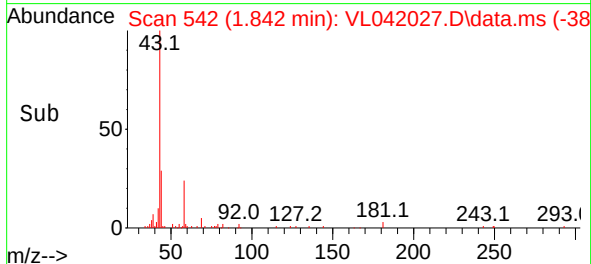
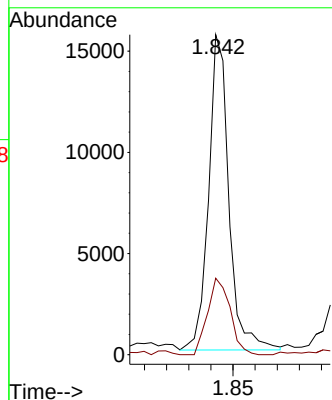
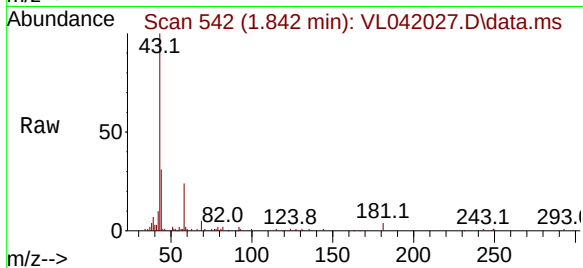
ClientSampleId :

Tgt Ion: 43 Resp: 9941

Ion Ratio Lower Upper

43 100

58 29.5 22.9 34.3



#16

1,3-Butadiene

Concen: 0.544 ppbv

RT: 1.616 min Scan# 472

Delta R.T. 0.000 min

Lab File: VL042027.D

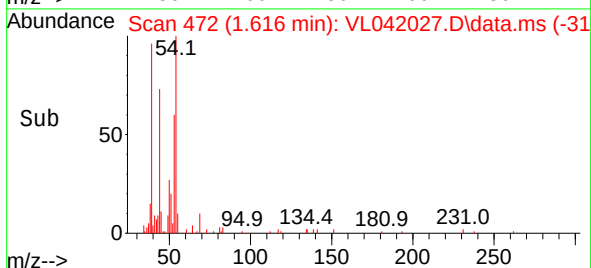
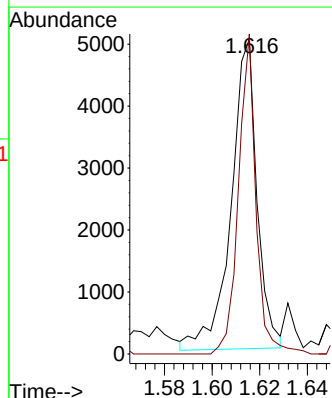
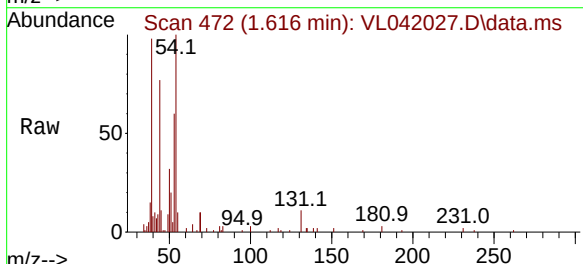
Acq: 17 Feb 2025 13:17

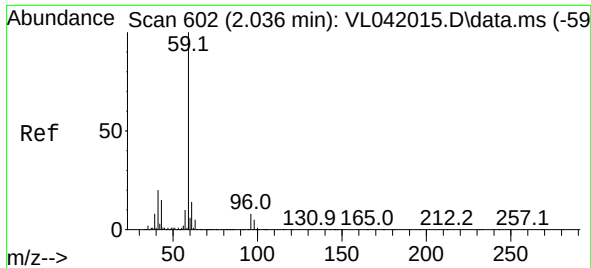
Tgt Ion: 39 Resp: 3793

Ion Ratio Lower Upper

39 100

54 71.6 59.4 89.2





#17

tert-Butyl alcohol

Concen: 0.517 ppbv

RT: 2.049 min Scan# 60

Delta R.T. 0.000 min

Lab File: VL042027.D

Acq: 17 Feb 2025 13:17

Instrument :

MSVOA_L

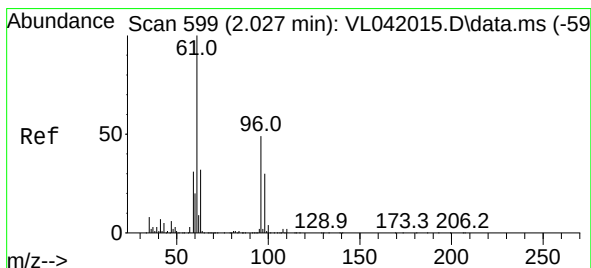
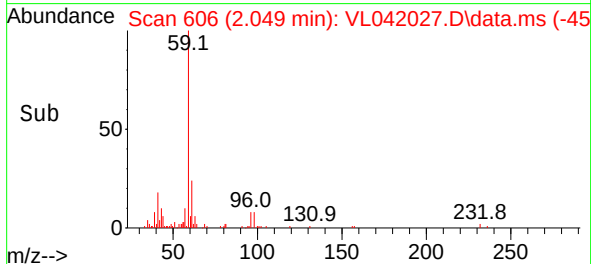
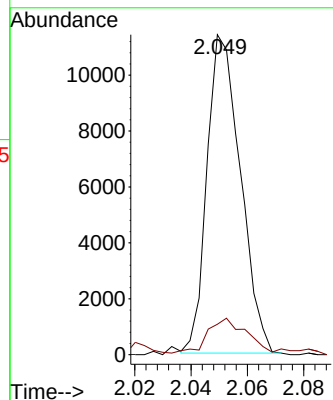
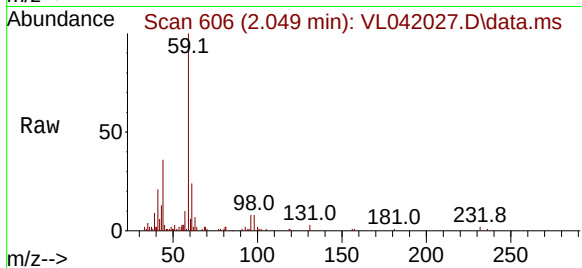
ClientSampleId :

Tgt Ion: 59 Resp: 9389

Ion Ratio Lower Upper

59 100

57 15.4 9.2 13.8#



#18

1,1-Dichloroethene

Concen: 0.413 ppbv

RT: 2.043 min Scan# 604

Delta R.T. 0.000 min

Lab File: VL042027.D

Acq: 17 Feb 2025 13:17

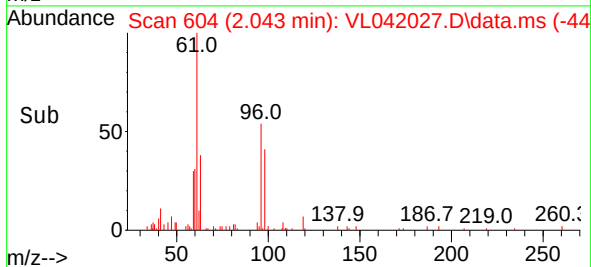
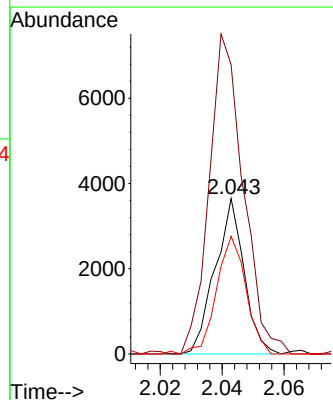
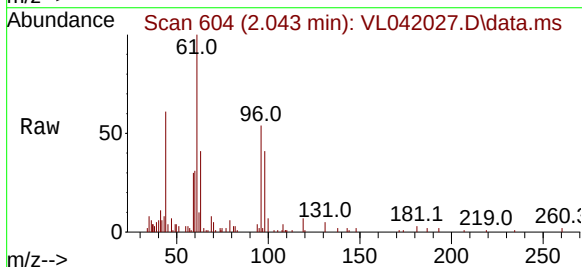
Tgt Ion: 96 Resp: 2370

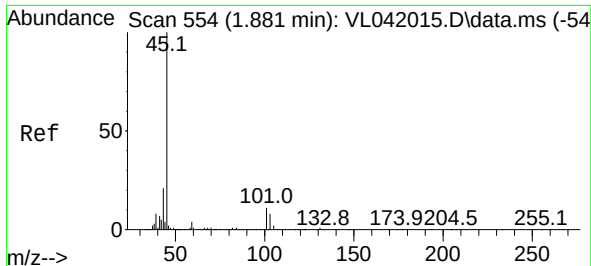
Ion Ratio Lower Upper

96 100

61 186.1 163.5 245.3

98 75.6 49.4 74.0#





#19

Isopropyl Alcohol

Concen: 0.605 ppbv

RT: 1.894 min Scan# 51

Delta R.T. 0.000 min

Lab File: VL042027.D

Acq: 17 Feb 2025 13:17

Instrument :

MSVOA_L

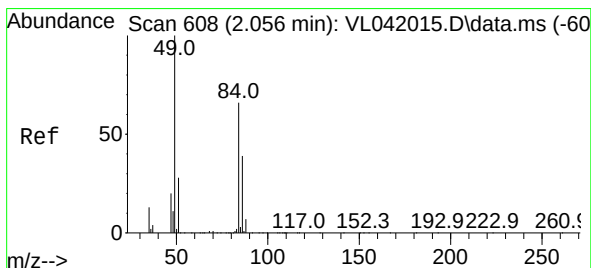
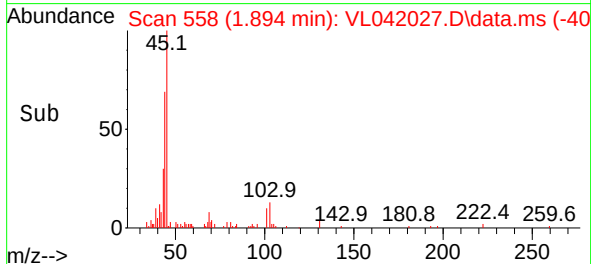
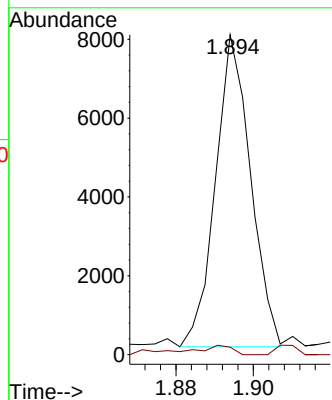
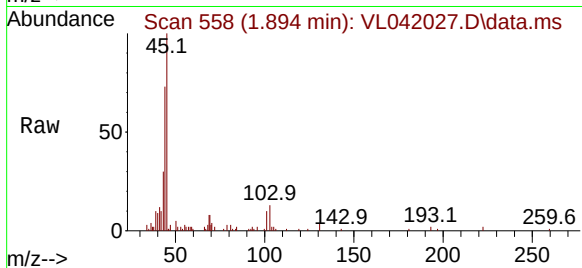
ClientSampleId :

Tgt Ion: 45 Resp: 4981

Ion Ratio Lower Upper

45 100

58 4.0 36.2 54.4#



#20

Methylene Chloride

Concen: 0.741 ppbv

RT: 2.072 min Scan# 613

Delta R.T. 0.004 min

Lab File: VL042027.D

Acq: 17 Feb 2025 13:17

Tgt Ion: 84 Resp: 4097

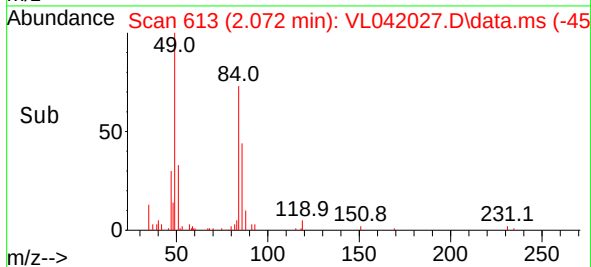
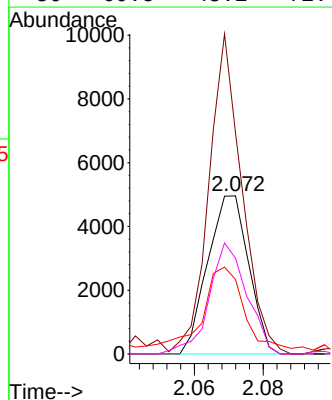
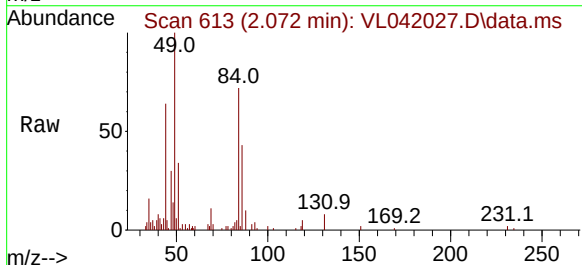
Ion Ratio Lower Upper

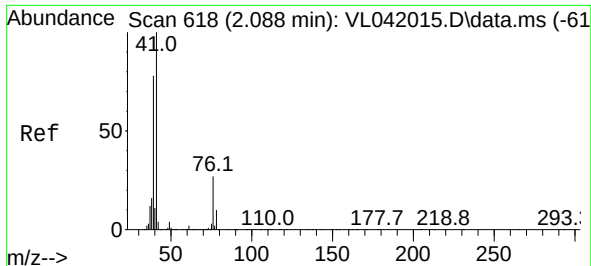
84 100

49 136.4 121.0 181.4

51 41.7 35.1 52.7

86 60.5 48.2 72.4





#21

Allyl Chloride

Concen: 0.456 ppbv

RT: 2.104 min Scan# 61

Delta R.T. 0.000 min

Lab File: VL042027.D

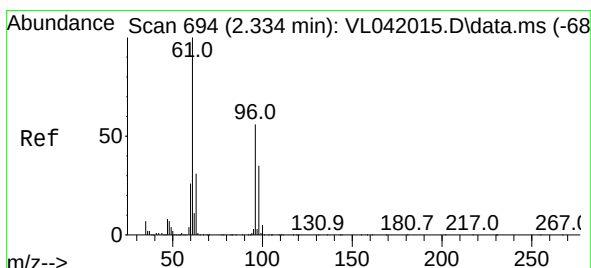
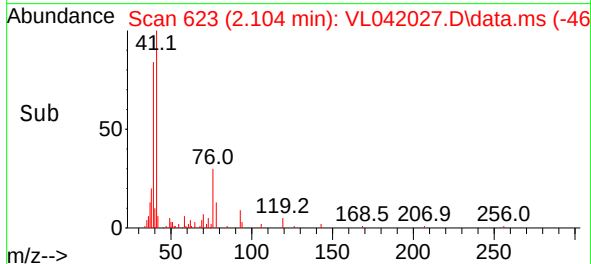
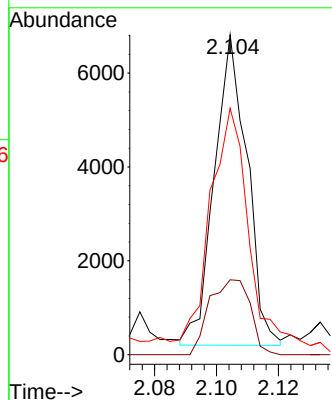
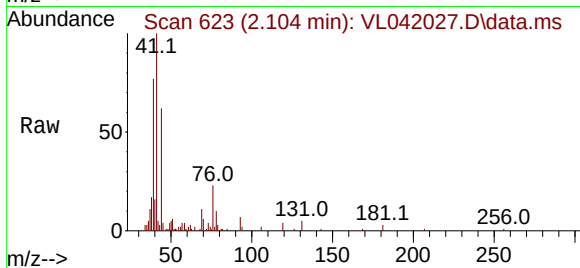
Acq: 17 Feb 2025 13:17

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:	41	Resp:	4850
Ion	Ratio	Lower	Upper
41	100		
76	30.0	23.7	35.5
39	97.9	63.0	94.6



#22

trans-1,2-Dichloroethene

Concen: 0.877 ppbv

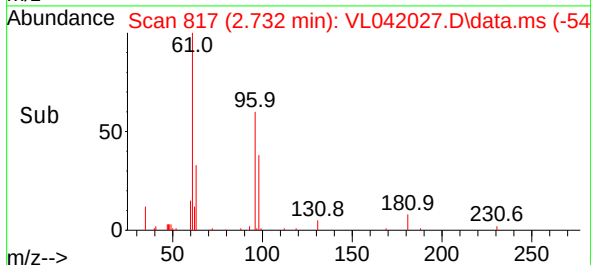
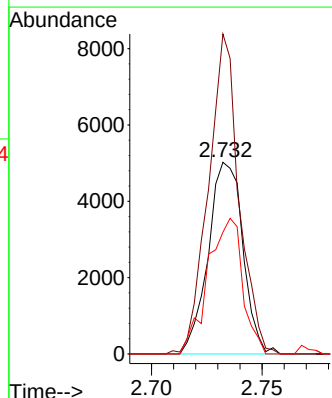
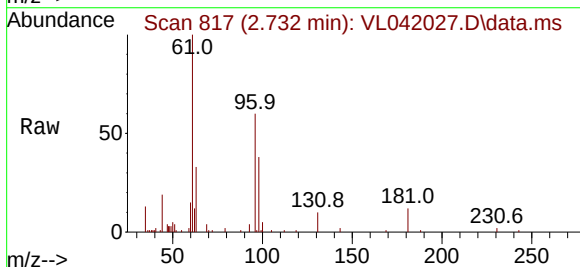
RT: 2.732 min Scan# 817

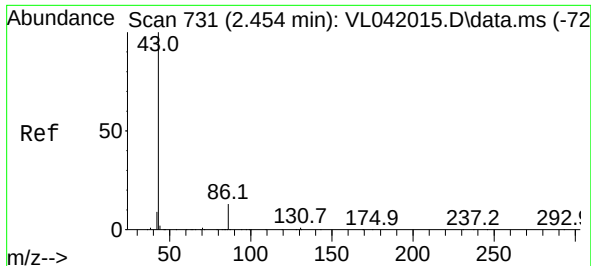
Delta R.T. 0.382 min

Lab File: VL042027.D

Acq: 17 Feb 2025 13:17

Tgt Ion:	96	Resp:	5467
Ion	Ratio	Lower	Upper
96	100		
61	166.9	142.3	213.5
98	63.5	50.2	75.2

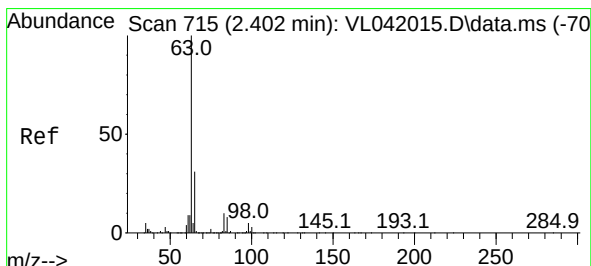
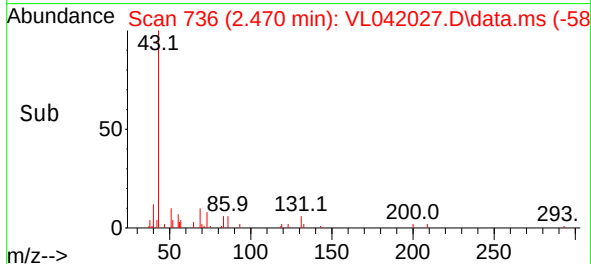
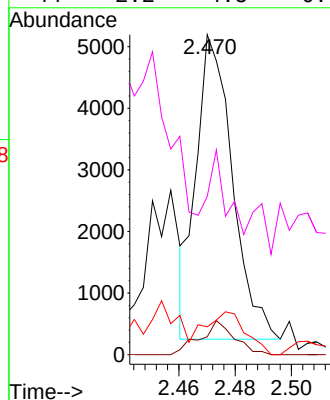
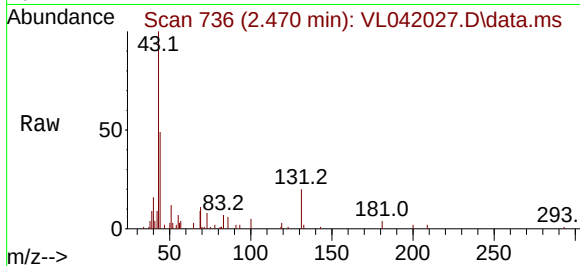




#23
 Vinyl Acetate
 Concen: 0.554 ppbv
 RT: 2.470 min Scan# 740
 Delta R.T. -0.003 min
 Lab File: VL042027.D
 Acq: 17 Feb 2025 13:17

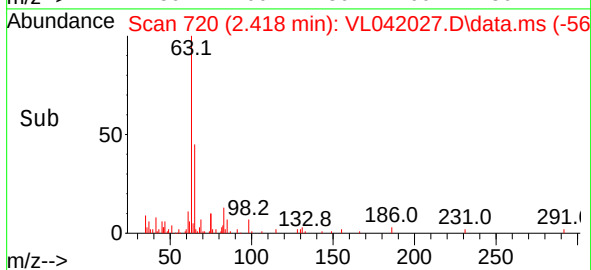
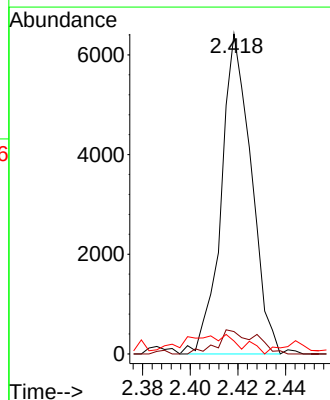
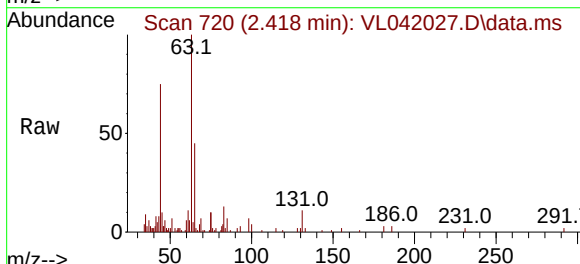
Instrument :
 MSVOA_1
 ClientSampleId :

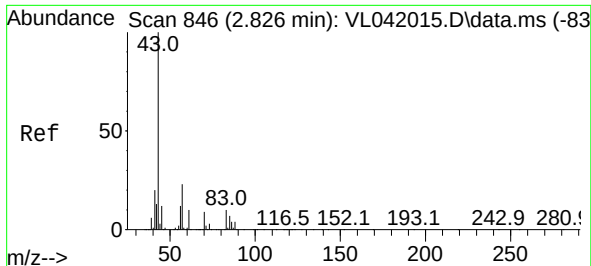
Tgt Ion:	43	Resp:	4407
Ion	Ratio	Lower	Upper
43	100		
86	5.9	8.1	12.1#
42	9.1	7.5	11.3
44	2.2	4.5	6.7#



#24
 1,1-Dichloroethane
 Concen: 0.444 ppbv
 RT: 2.418 min Scan# 720
 Delta R.T. 0.000 min
 Lab File: VL042027.D
 Acq: 17 Feb 2025 13:17

Tgt Ion:	63	Resp:	5616
Ion	Ratio	Lower	Upper
63	100		
98	7.0	2.4	7.2
100	2.1	1.6	4.8





#25

Ethyl Acetate

Concen: 0.544 ppbv

RT: 2.852 min Scan# 846

Delta R.T. 0.004 min

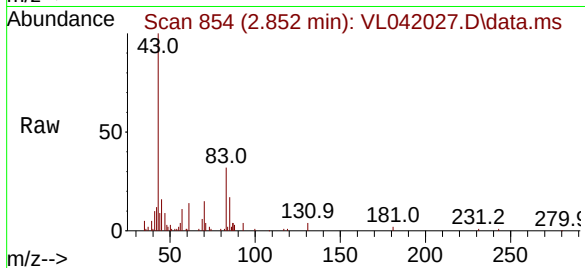
Lab File: VL042027.D

Acq: 17 Feb 2025 13:17

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion: 43 Resp: 21909

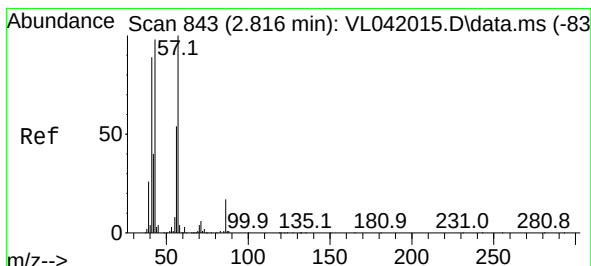
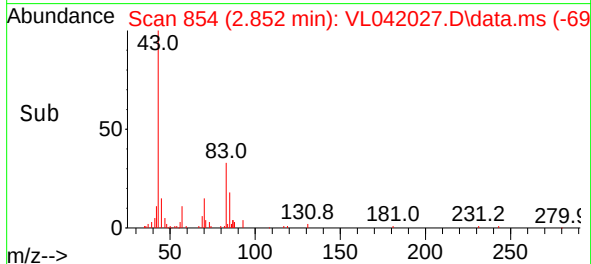
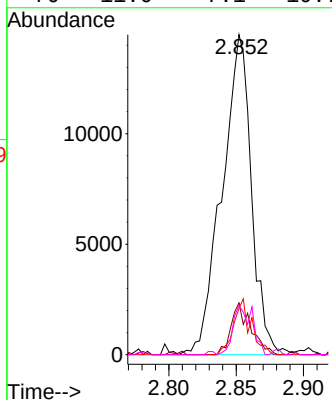
Ion Ratio Lower Upper

43 100

45 11.3 8.1 12.1

61 10.4 7.5 11.3

70 11.0 7.1 10.7#



#26

Hexane

Concen: 0.627 ppbv

RT: 2.839 min Scan# 850

Delta R.T. 0.000 min

Lab File: VL042027.D

Acq: 17 Feb 2025 13:17

Tgt Ion: 57 Resp: 10149

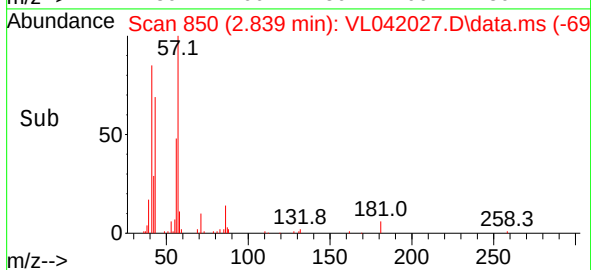
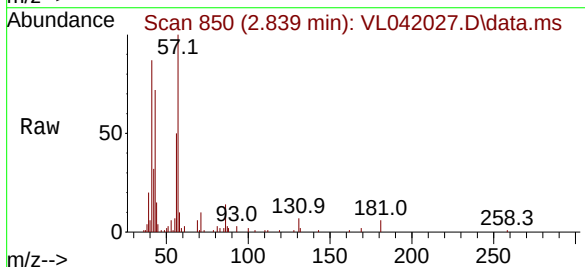
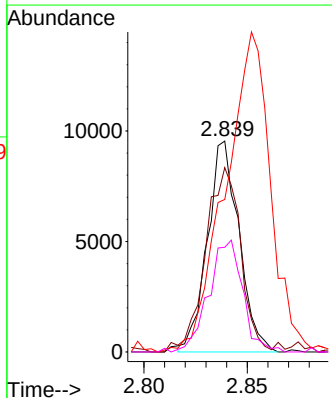
Ion Ratio Lower Upper

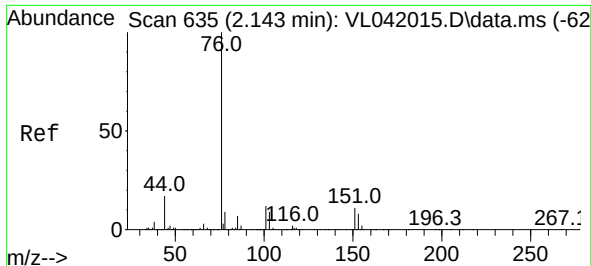
57 100

41 102.4 73.2 109.8

43 218.3 200.8 301.2

56 57.2 43.4 65.0





#27

Carbon Disulfide

Concen: 0.471 ppbv

RT: 2.159 min Scan# 640

Delta R.T. 0.000 min

Lab File: VL042027.D

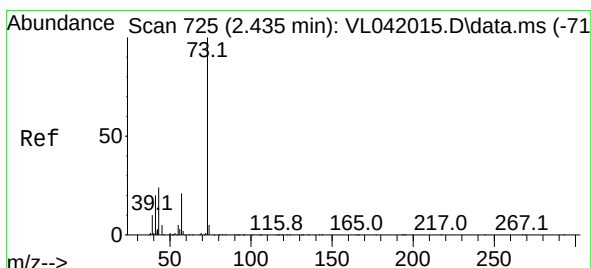
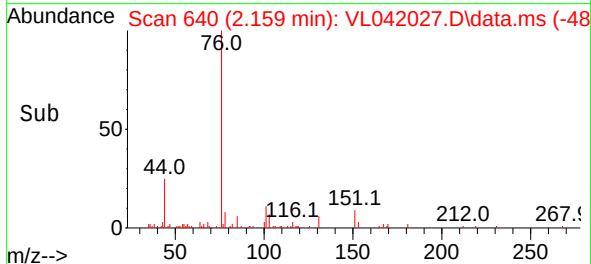
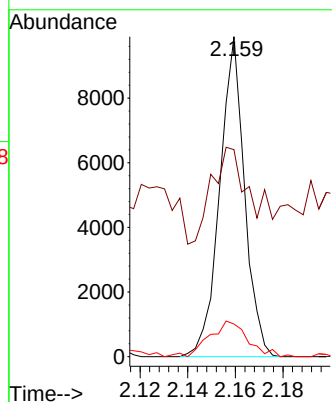
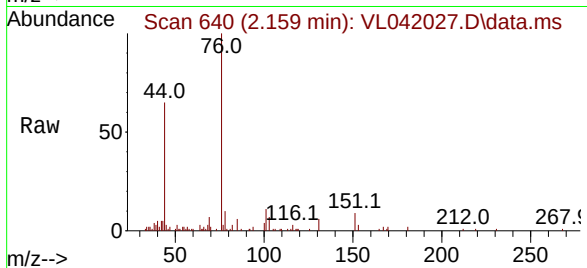
Acq: 17 Feb 2025 13:17

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:	76	Resp:	7166
Ion Ratio	Lower	Upper	
76	100		
44	94.4	18.1	27.1#
78	17.0	9.5	14.3#



#28

Methyl tert-Butyl Ether

Concen: 0.542 ppbv

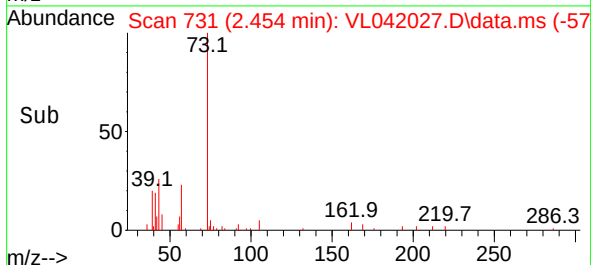
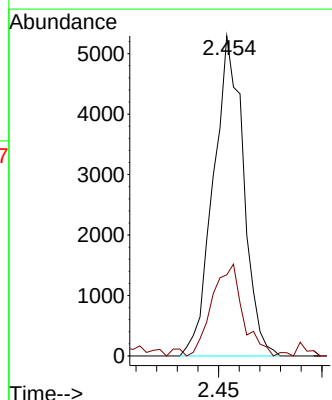
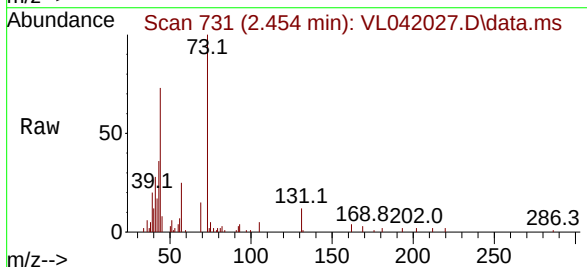
RT: 2.454 min Scan# 731

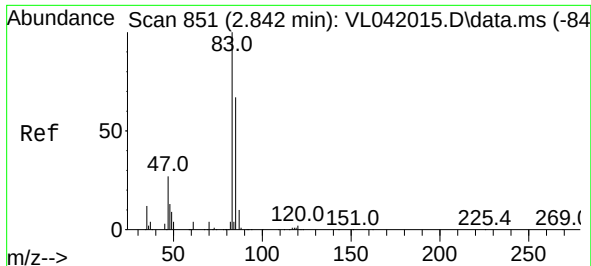
Delta R.T. 0.000 min

Lab File: VL042027.D

Acq: 17 Feb 2025 13:17

Tgt Ion:	73	Resp:	5362
Ion Ratio	Lower	Upper	
73	100		
57	30.8	18.3	27.5#





#29

Chloroform

Concen: 0.475 ppbv

RT: 2.862 min Scan# 851

Delta R.T. 0.000 min

Lab File: VL042027.D

Acq: 17 Feb 2025 13:17

Instrument :

MSVOA_L

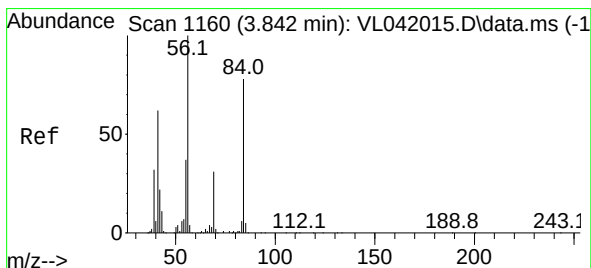
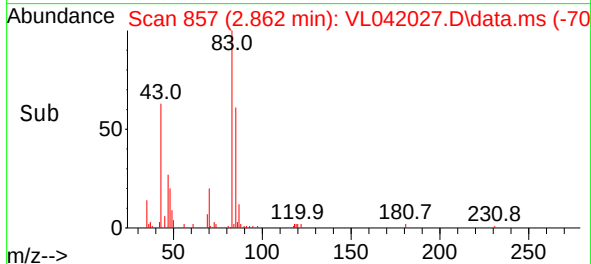
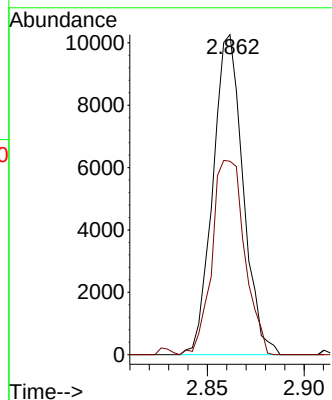
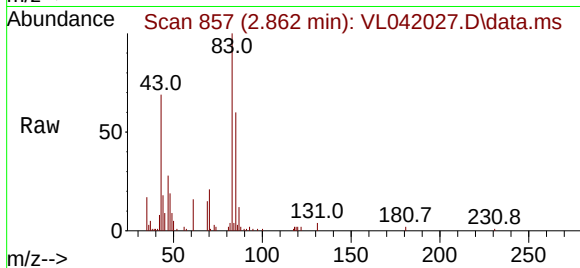
ClientSampleId :

Tgt Ion: 83 Resp: 11136

Ion Ratio Lower Upper

83 100

85 60.5 53.8 80.6



#30

Cyclohexane

Concen: 0.512 ppbv

RT: 3.872 min Scan# 1169

Delta R.T. -0.003 min

Lab File: VL042027.D

Acq: 17 Feb 2025 13:17

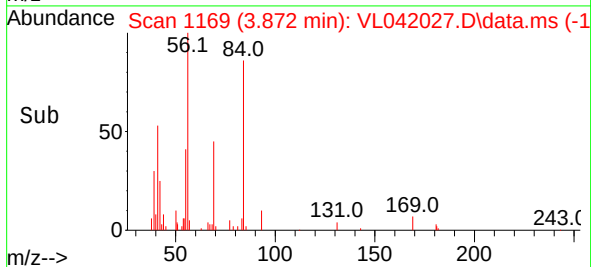
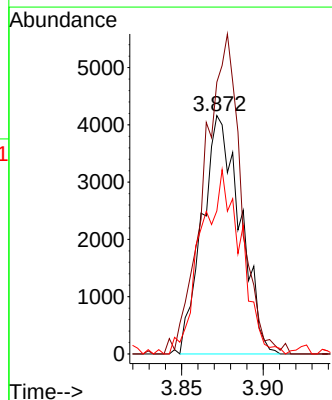
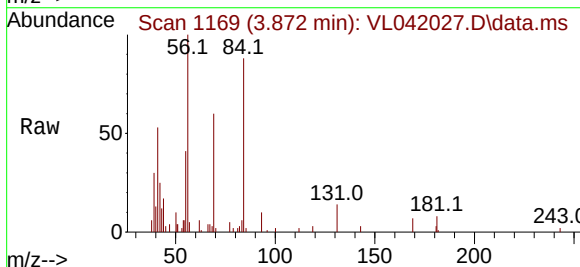
Tgt Ion: 84 Resp: 6721

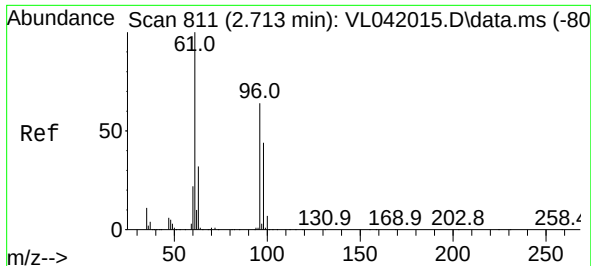
Ion Ratio Lower Upper

84 100

56 131.4 99.5 149.3

41 81.6 62.2 93.2





#31

cis-1,2-Dichloroethene

Concen: 0.504 ppbv

RT: 2.732 min Scan# 811

Delta R.T. 0.000 min

Lab File: VL042027.D

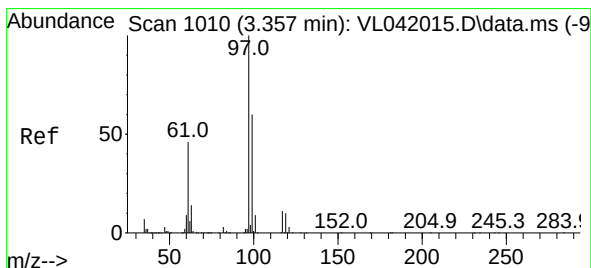
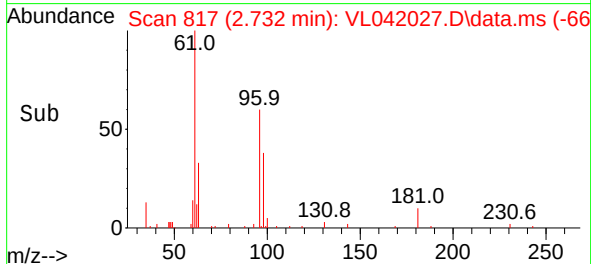
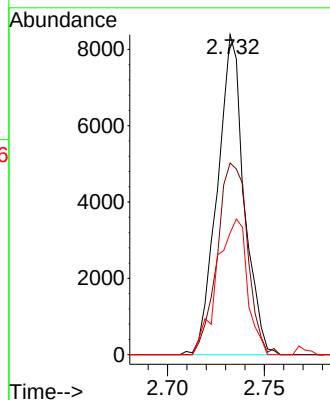
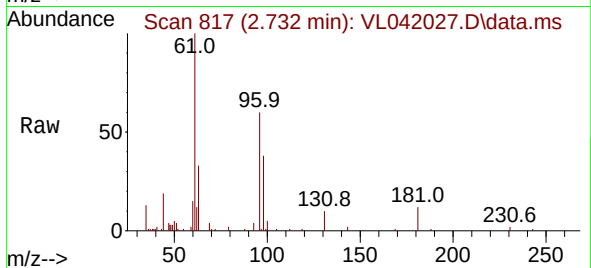
Acq: 17 Feb 2025 13:17

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:	61	Resp:	8056
Ion	Ratio	Lower	Upper
61	100		
96	59.9	51.6	77.4
98	38.0	34.8	52.2



#32

1,1,1-Trichloroethane

Concen: 0.455 ppbv

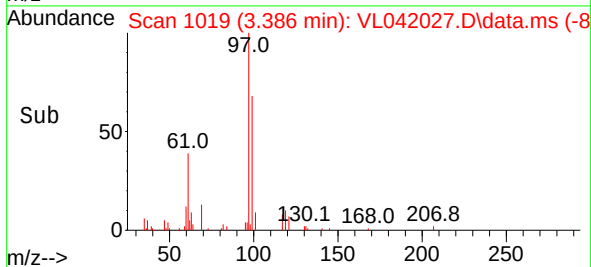
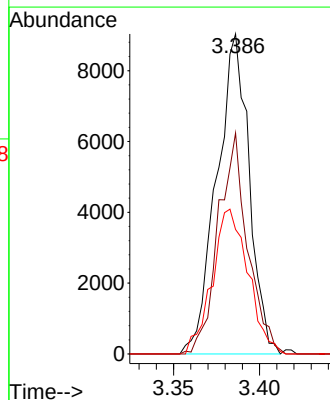
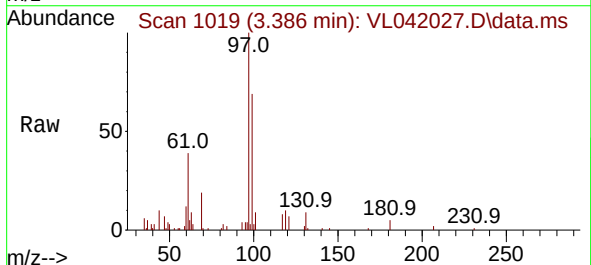
RT: 3.386 min Scan# 1019

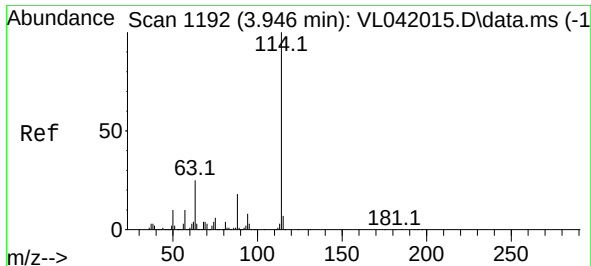
Delta R.T. 0.004 min

Lab File: VL042027.D

Acq: 17 Feb 2025 13:17

Tgt Ion:	97	Resp:	11824
Ion	Ratio	Lower	Upper
97	100		
99	62.9	51.0	76.4
61	50.2	37.9	56.9





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.978 min Scan# 1192

Delta R.T. 0.000 min

Lab File: VL042027.D

Acq: 17 Feb 2025 13:17

Instrument :

MSVOA_L

ClientSampleId :

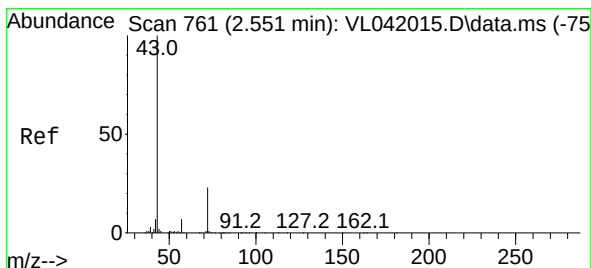
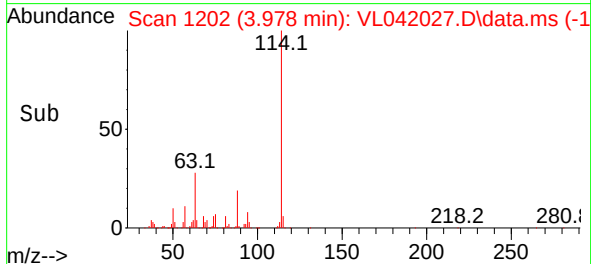
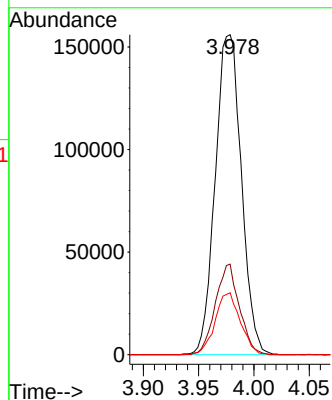
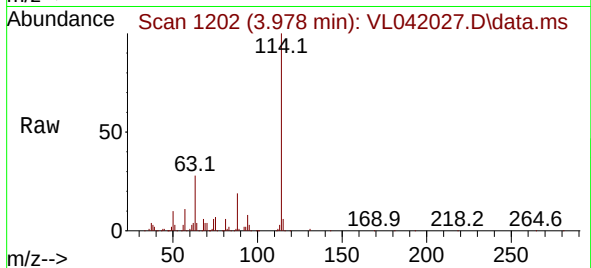
Tgt Ion:114 Resp: 256401

Ion Ratio Lower Upper

114 100

63 25.9 20.2 30.2

88 18.7 14.4 21.6



#34

2-Butanone

Concen: 0.583 ppbv

RT: 2.574 min Scan# 768

Delta R.T. 0.004 min

Lab File: VL042027.D

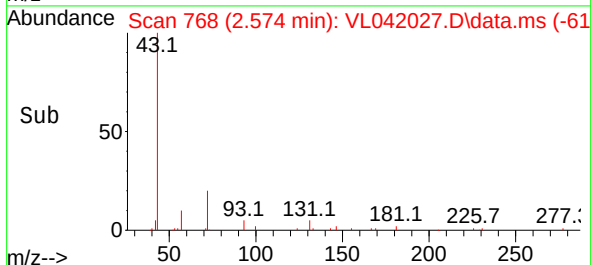
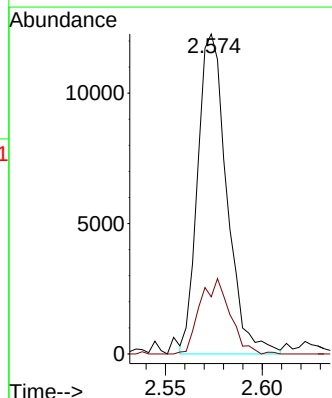
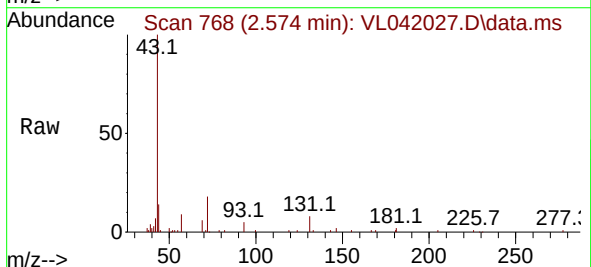
Acq: 17 Feb 2025 13:17

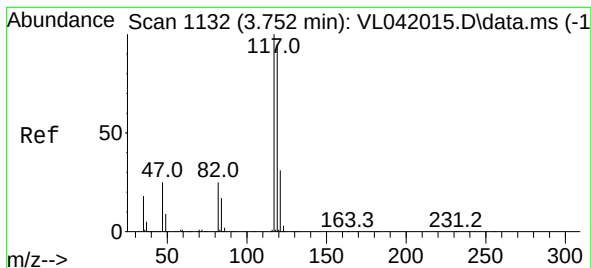
Tgt Ion: 43 Resp: 12858

Ion Ratio Lower Upper

43 100

72 24.4 18.3 27.5





#35

Carbon Tetrachloride

Concen: 0.463 ppbv

RT: 3.781 min Scan# 11

Delta R.T. 0.000 min

Lab File: VL042027.D

Acq: 17 Feb 2025 13:17

Instrument :

MSVOA_L

ClientSampleId :

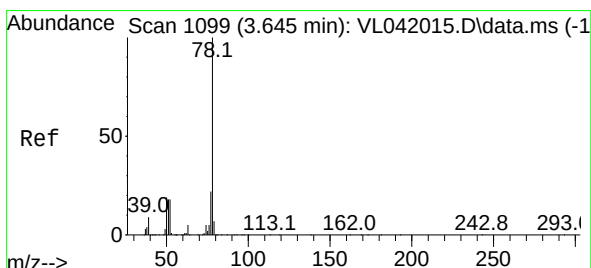
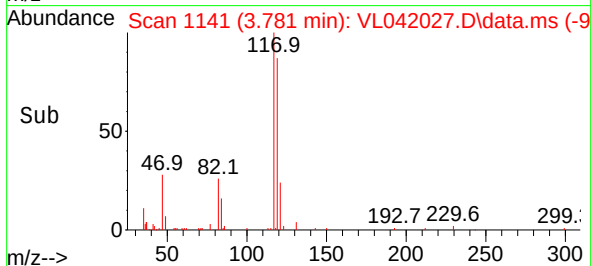
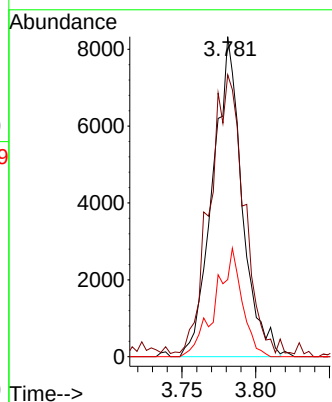
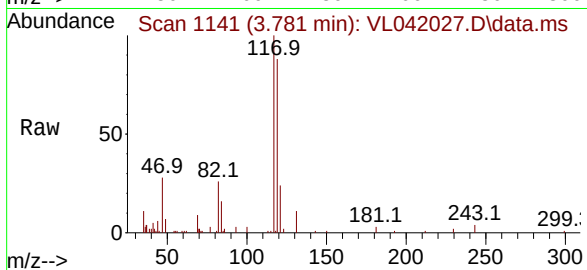
Tgt Ion:117 Resp: 11520

Ion Ratio Lower Upper

117 100

119 86.8 75.8 113.6

121 24.1 24.6 36.8#



#36

Benzene

Concen: 0.532 ppbv

RT: 3.674 min Scan# 1108

Delta R.T. 0.000 min

Lab File: VL042027.D

Acq: 17 Feb 2025 13:17

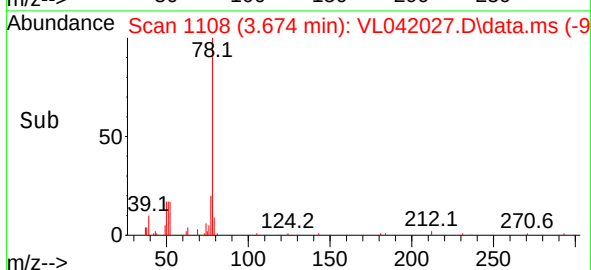
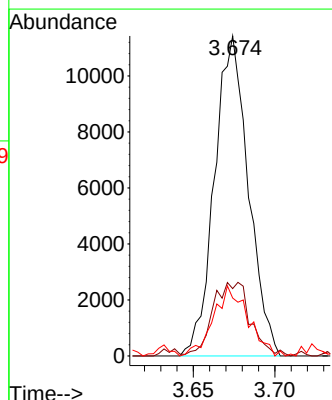
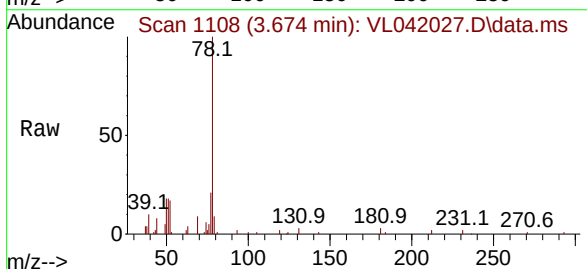
Tgt Ion: 78 Resp: 16529

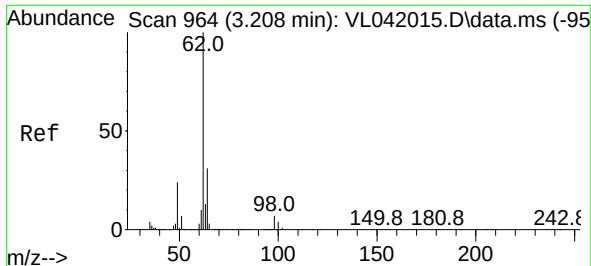
Ion Ratio Lower Upper

78 100

77 20.4 18.0 27.0

50 18.1 15.2 22.8





#37

1,2-Dichloroethane

Concen: 0.564 ppbv

RT: 3.234 min Scan# 91

Delta R.T. 0.000 min

Lab File: VL042027.D

Acq: 17 Feb 2025 13:17

Instrument :

MSVOA_L

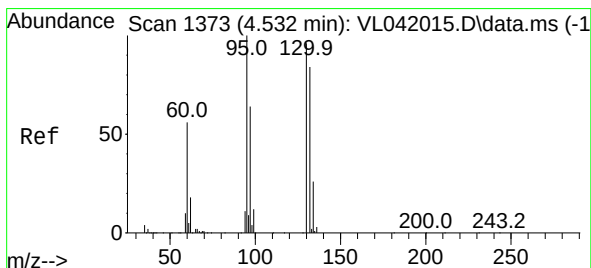
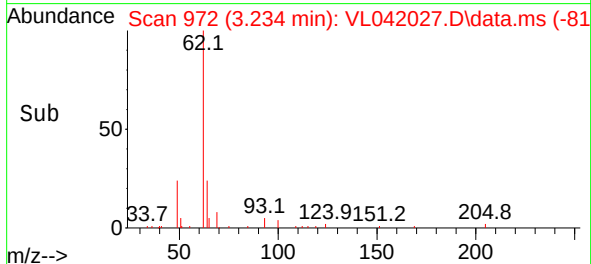
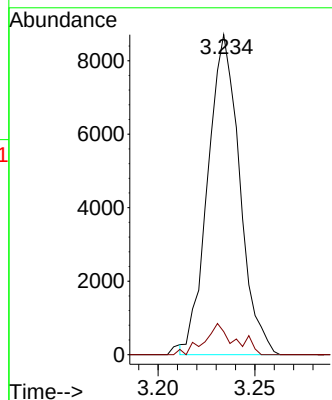
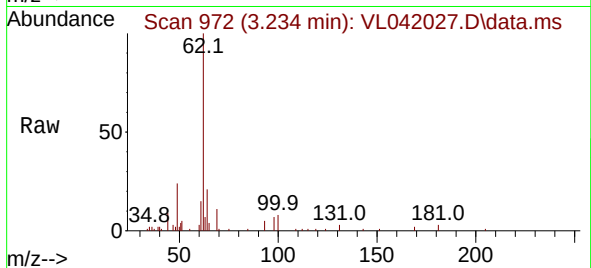
ClientSampleId :

Tgt Ion: 62 Resp: 9965

Ion Ratio Lower Upper

62 100

98 9.2 5.7 8.5#



#38

Trichloroethene

Concen: 0.215 ppbv

RT: 4.574 min Scan# 1386

Delta R.T. 0.007 min

Lab File: VL042027.D

Acq: 17 Feb 2025 13:17

Tgt Ion:130 Resp: 2718

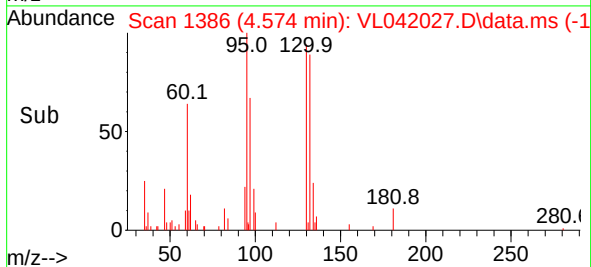
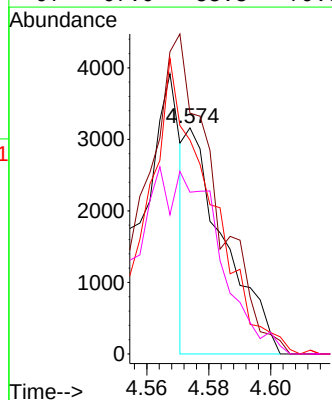
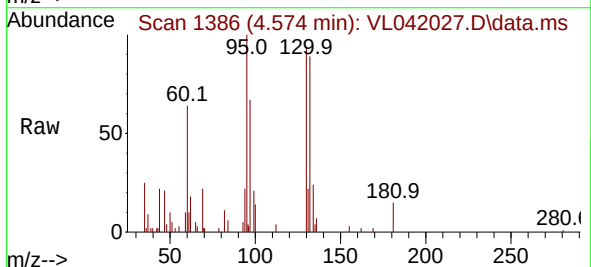
Ion Ratio Lower Upper

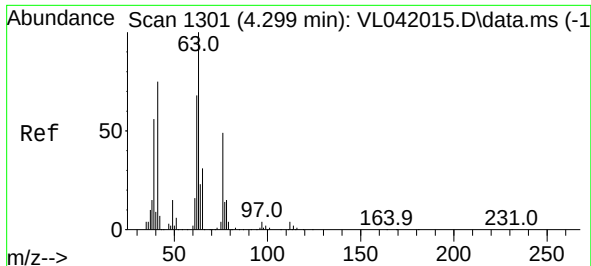
130 100

95 105.3 82.8 124.2

132 87.1 70.0 105.0

97 67.9 53.3 79.9





#39

1,2-Dichloropropane

Concen: 0.524 ppbv

RT: 4.338 min Scan# 1403

Delta R.T. 0.004 min

Lab File: VL042027.D

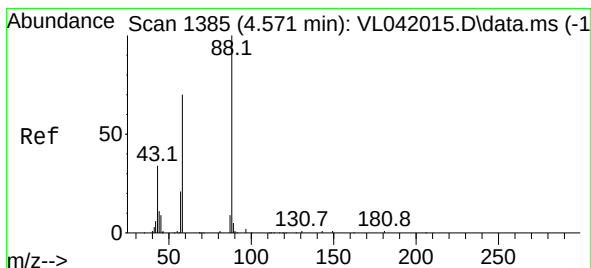
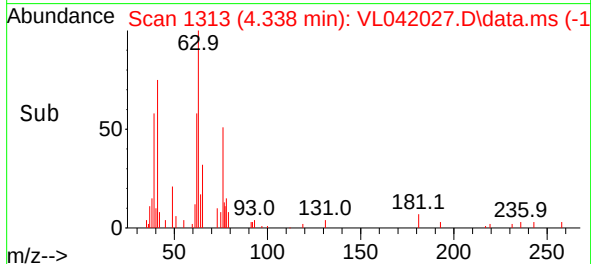
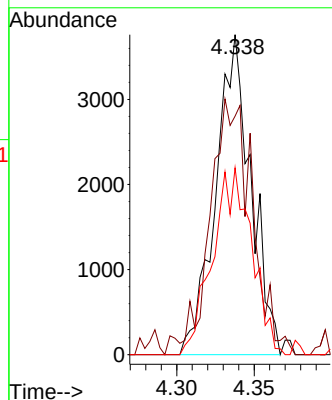
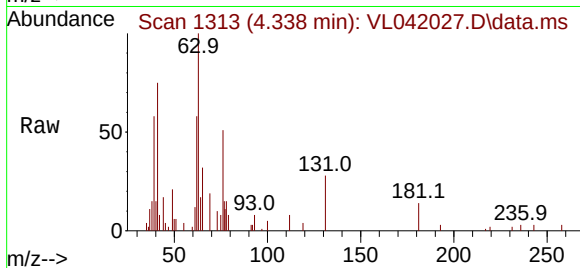
Acq: 17 Feb 2025 13:17

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 63	Resp: 5965
Ion Ratio	Lower Upper
63 100	
41 71.0	60.1 90.1
62 58.4	54.0 81.0



#40

1,4-Dioxane

Concen: 0.257 ppbv

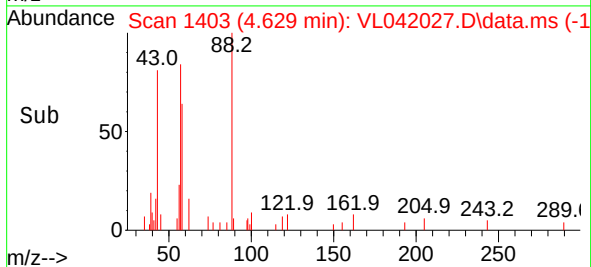
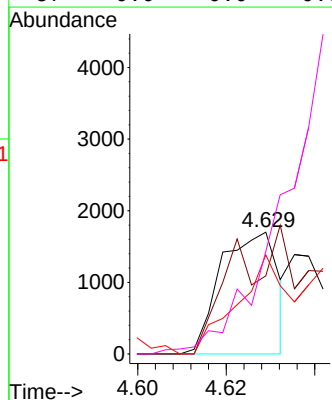
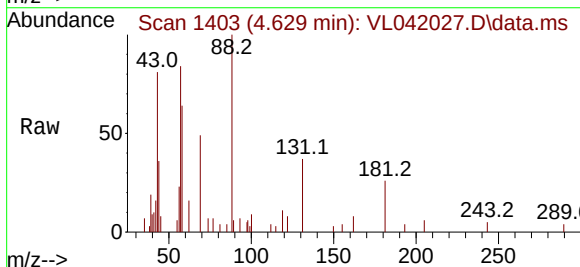
RT: 4.629 min Scan# 1403

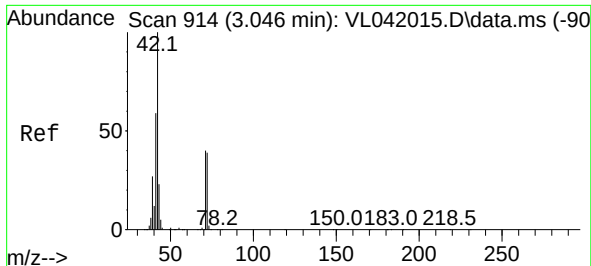
Delta R.T. 0.020 min

Lab File: VL042027.D

Acq: 17 Feb 2025 13:17

Tgt	Ion: 88	Resp:	1521
Ion	Ratio	Lower	Upper
88	100		
58	0.0	58.1	87.1#
43	0.0	27.3	40.9#
57	0.0	0.0	0.0





#41

Tetrahydrofuran

Concen: 0.525 ppbv

RT: 3.082 min Scan# 91

Delta R.T. 0.013 min

Lab File: VL042027.D

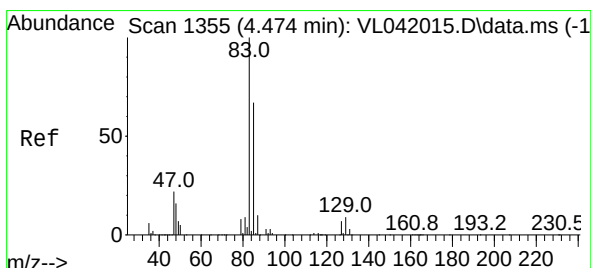
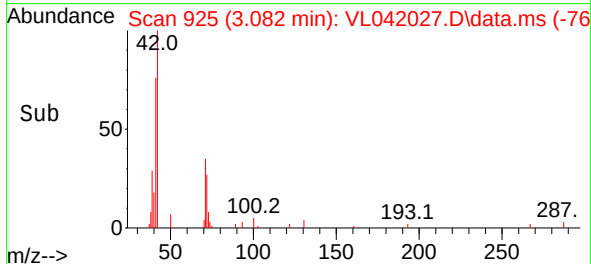
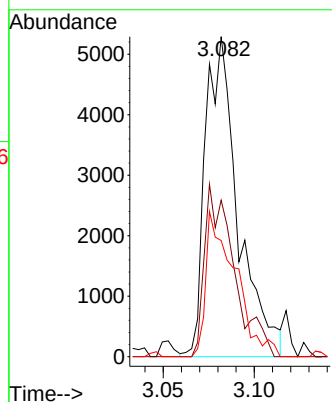
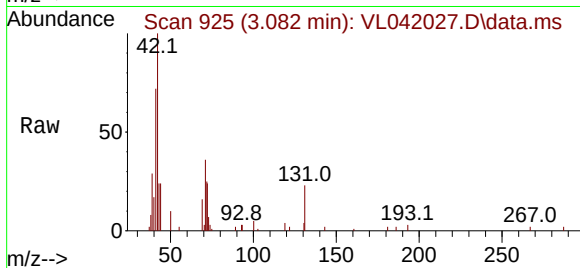
Acq: 17 Feb 2025 13:17

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:	42	Resp:	6616
Ion Ratio	Lower	Upper	
42	100		
72	48.4	32.3	48.5
71	41.0	30.9	46.3



#42

Bromodichloromethane

Concen: 0.156 ppbv

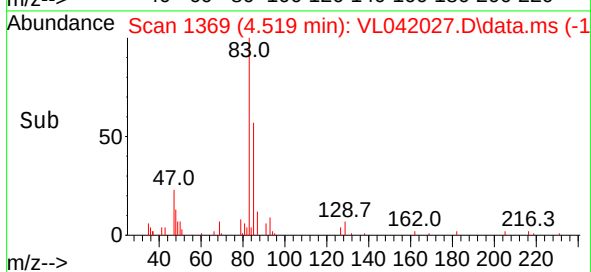
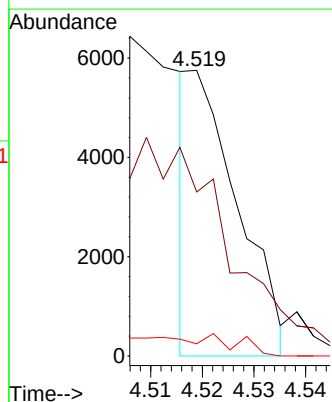
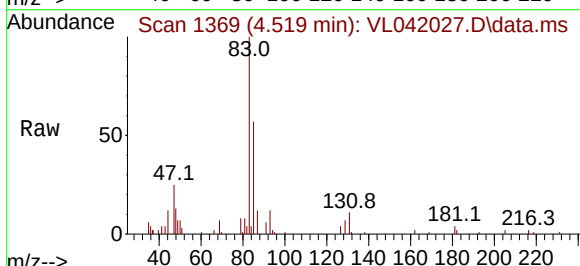
RT: 4.519 min Scan# 1369

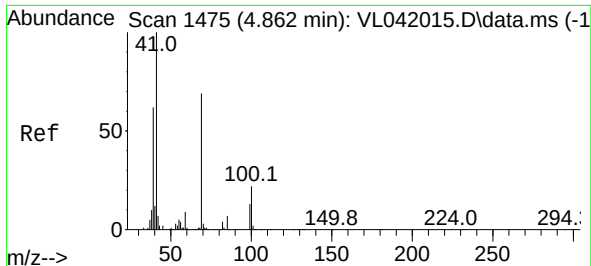
Delta R.T. 0.004 min

Lab File: VL042027.D

Acq: 17 Feb 2025 13:17

Tgt Ion:	83	Resp:	3737
Ion Ratio	Lower	Upper	
83	100		
85	46.0	53.3	79.9#
127	4.7	6.0	9.0#





#43

Methyl Methacrylate

Concen: 0.154 ppbv

RT: 4.904 min Scan# 1414

Delta R.T. 0.000 min

Lab File: VL042027.D

Acq: 17 Feb 2025 13:17

Instrument :

MSVOA_L

ClientSampleId :

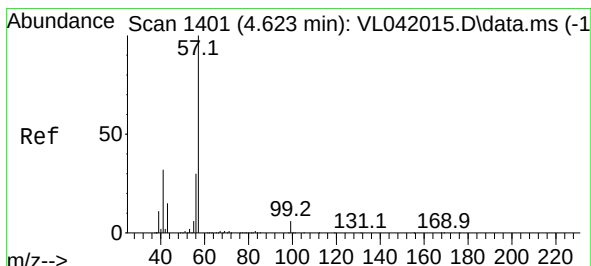
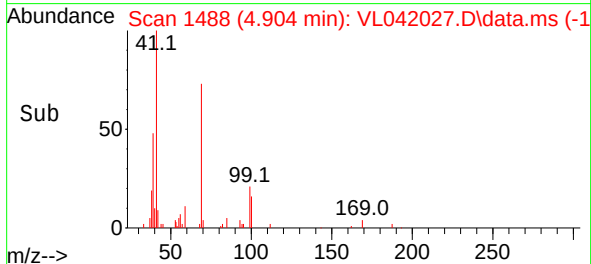
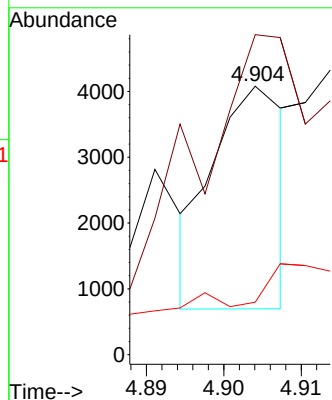
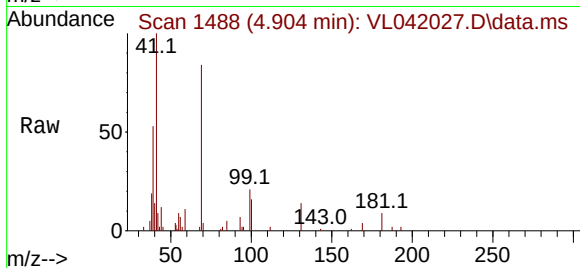
Tgt Ion: 69 Resp: 2179

Ion Ratio Lower Upper

69 100

41 462.0 114.9 172.3#

100 0.0 28.8 43.2#



#44

2,2,4-Trimethylpentane

Concen: 0.525 ppbv

RT: 4.665 min Scan# 1414

Delta R.T. 0.000 min

Lab File: VL042027.D

Acq: 17 Feb 2025 13:17

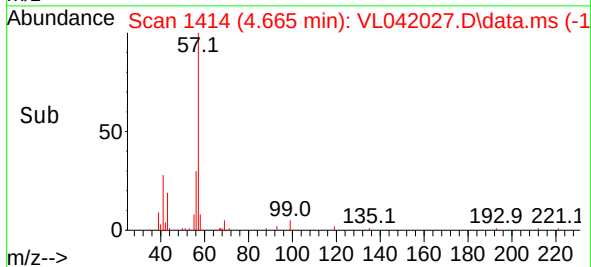
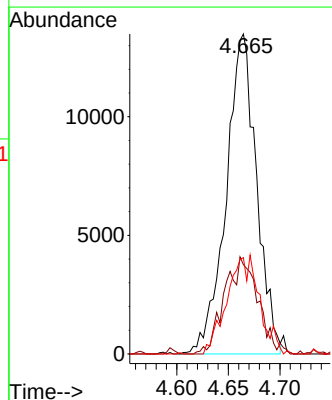
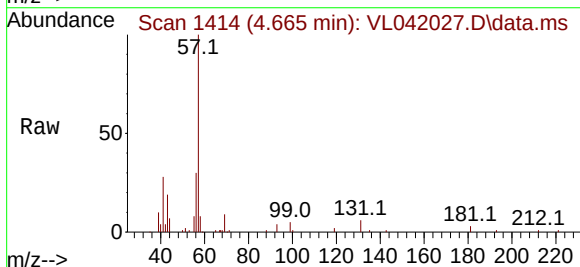
Tgt Ion: 57 Resp: 27655

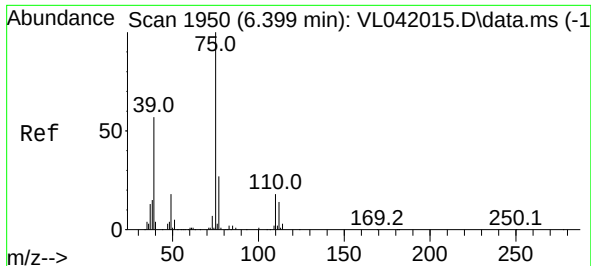
Ion Ratio Lower Upper

57 100

41 34.3 25.9 38.9

56 32.8 24.9 37.3





#45

t-1,3-Dichloropropene

Concen: 0.336 ppbv

RT: 6.448 min Scan# 1710

Delta R.T. 0.004 min

Lab File: VL042027.D

Acq: 17 Feb 2025 13:17

Instrument :

MSVOA_L

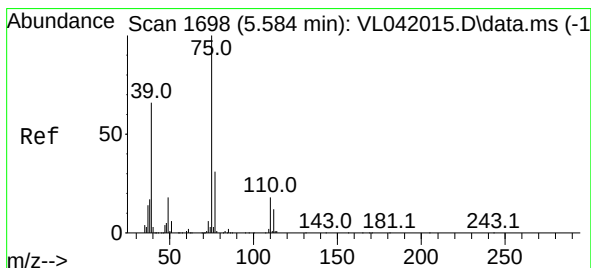
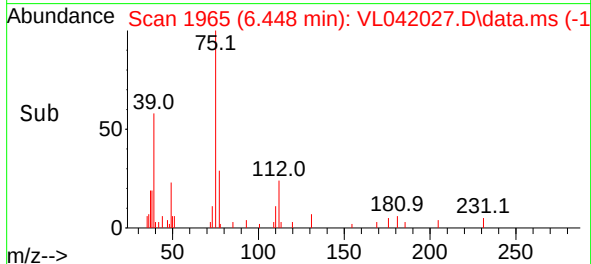
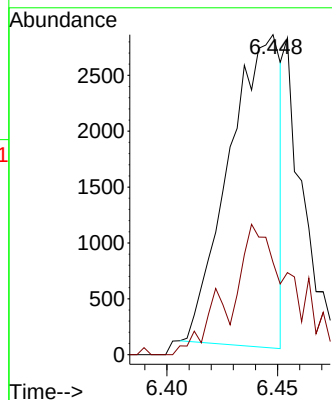
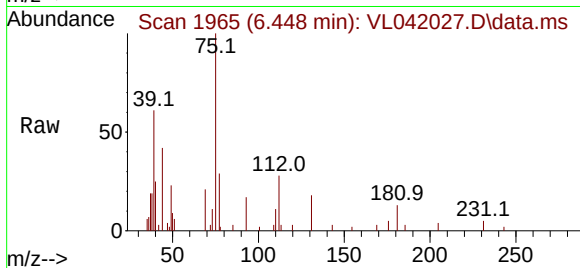
ClientSampleId :

Tgt Ion: 75 Resp: 4487

Ion Ratio Lower Upper

75 100

77 30.6 22.1 33.1



#46

cis-1,3-Dichloropropene

Concen: 0.247 ppbv

RT: 5.623 min Scan# 1710

Delta R.T. -0.006 min

Lab File: VL042027.D

Acq: 17 Feb 2025 13:17

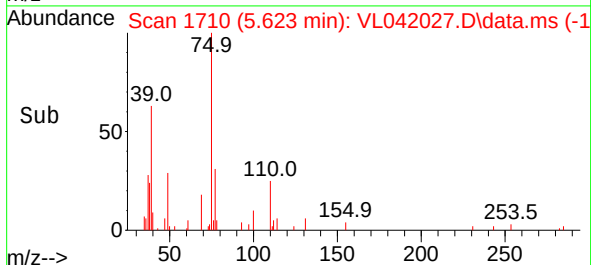
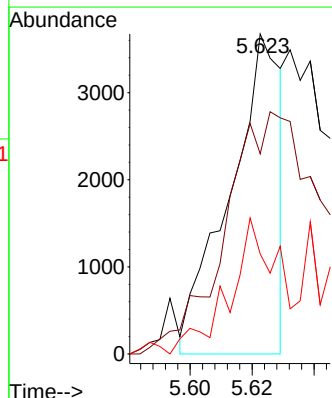
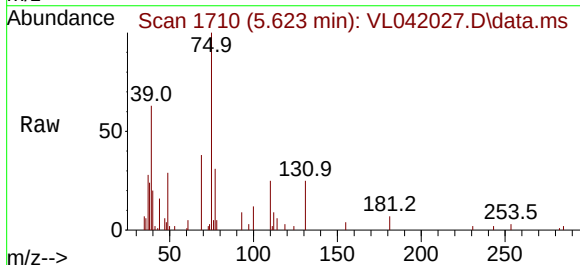
Tgt Ion: 75 Resp: 4181

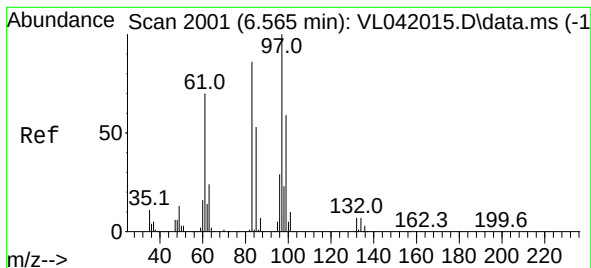
Ion Ratio Lower Upper

75 100

39 58.1 52.2 78.4

77 28.1 24.5 36.7





#47

1,1,2-Trichloroethane

Concen: 0.124 ppbv

RT: 6.610 min Scan# 2001

Delta R.T. 0.000 min

Lab File: VL042027.D

Acq: 17 Feb 2025 13:17

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 97 Resp: 1491

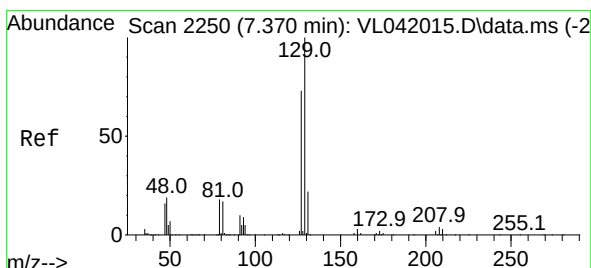
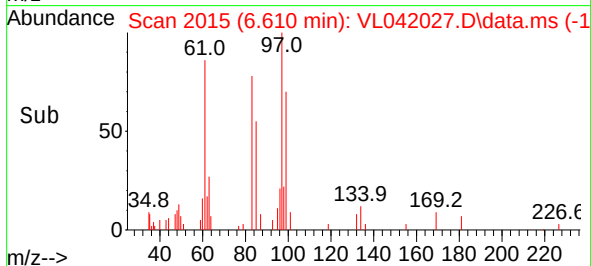
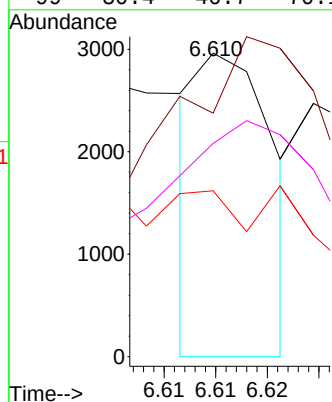
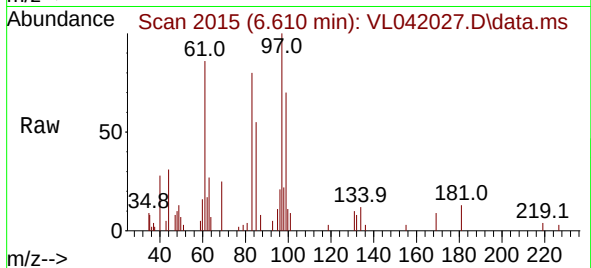
Ion Ratio Lower Upper

97 100

83 0.0 68.6 102.8#

85 2.7 42.2 63.4#

99 30.4 46.7 70.1#



#48

Dibromochloromethane

Concen: 0.339 ppbv

RT: 7.406 min Scan# 2261

Delta R.T. -0.003 min

Lab File: VL042027.D

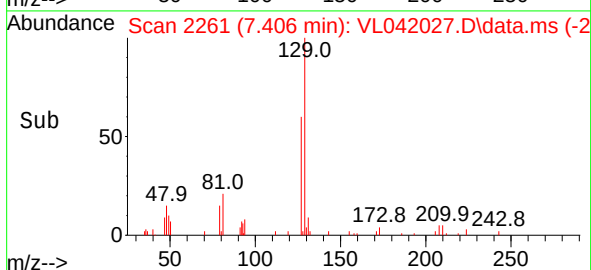
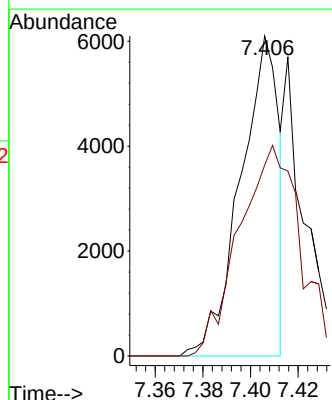
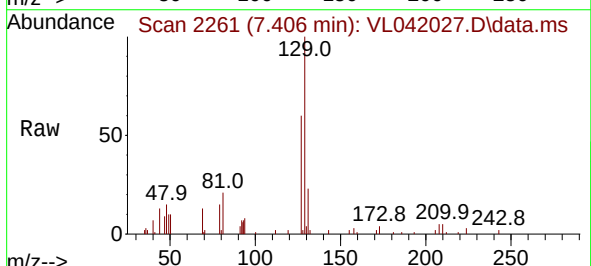
Acq: 17 Feb 2025 13:17

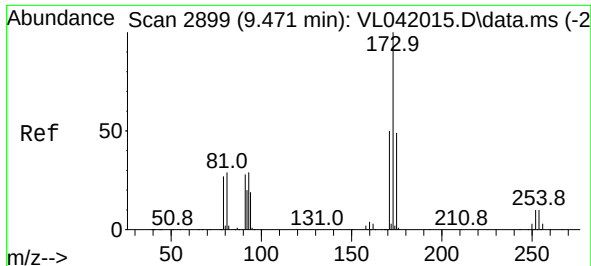
Tgt Ion: 129 Resp: 6805

Ion Ratio Lower Upper

129 100

127 107.0 38.2 114.6





#49

Bromoform

Concen: 0.475 ppbv

RT: 9.500 min Scan# 20

Delta R.T. 0.000 min

Lab File: VL042027.D

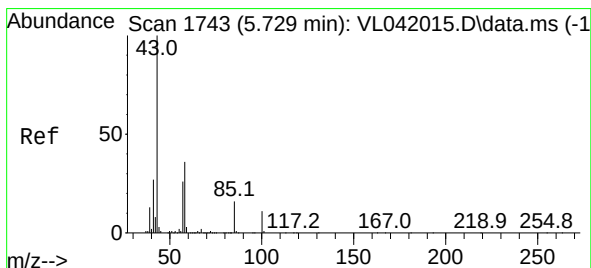
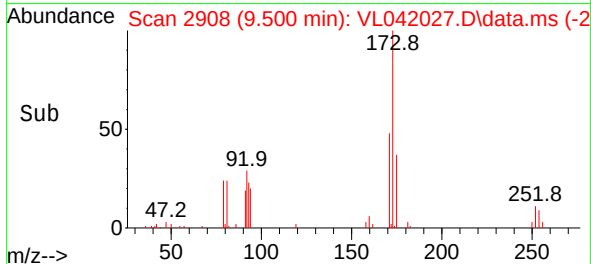
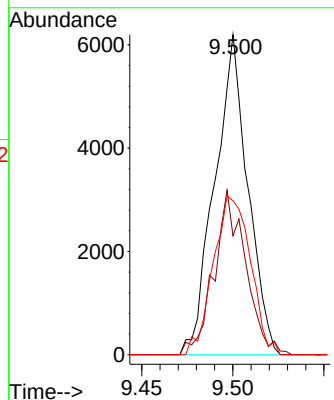
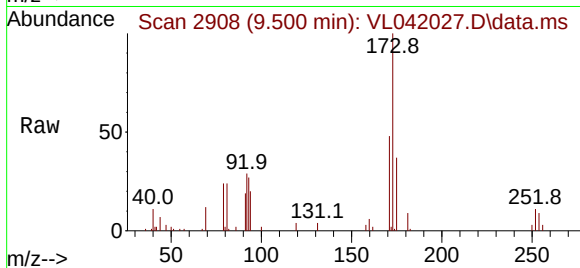
Acq: 17 Feb 2025 13:17

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:173	Resp:	7818
Ion Ratio	Lower	Upper
173	100	
175	49.1	39.3 58.9
171	55.7	41.4 62.2



#50

4-Methyl-2-Pentanone

Concen: 0.181 ppbv

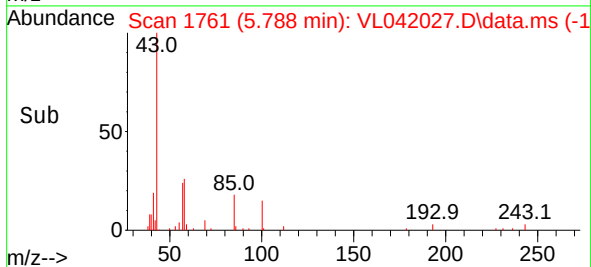
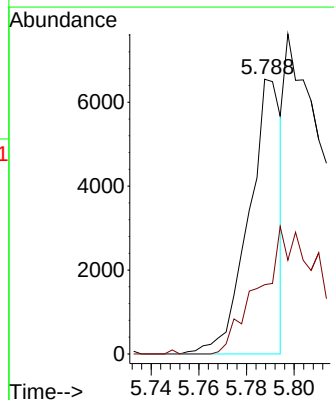
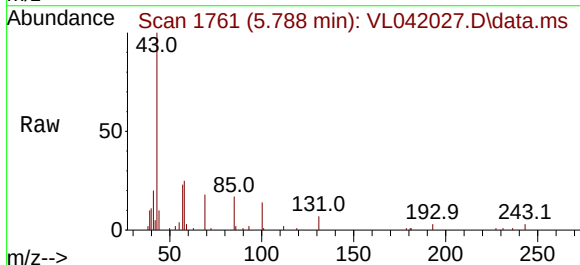
RT: 5.788 min Scan# 1761

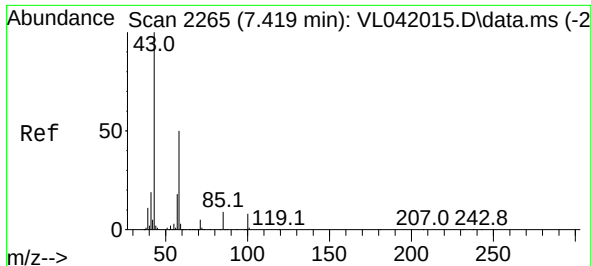
Delta R.T. 0.004 min

Lab File: VL042027.D

Acq: 17 Feb 2025 13:17

Tgt Ion: 43	Resp:	6142
Ion Ratio	Lower	Upper
43	100	
58	0.0	29.4 44.0#

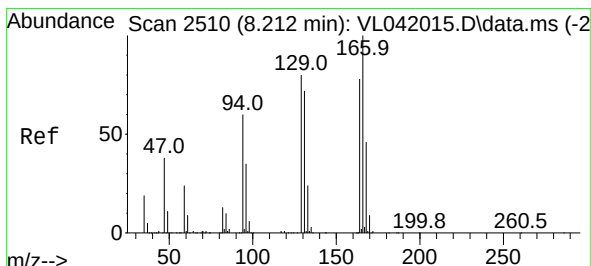
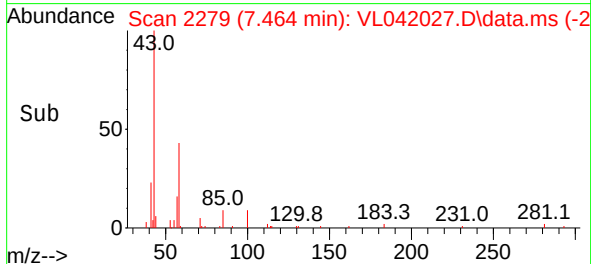
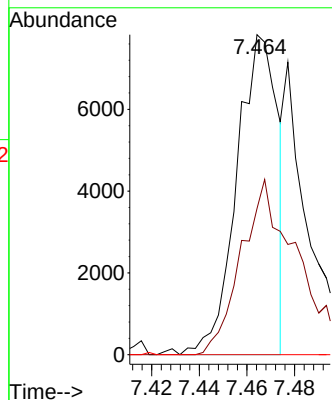
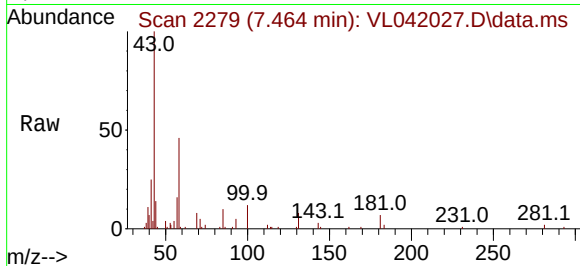




#51
2-Hexanone
Concen: 0.336 ppbv
RT: 7.464 min Scan# 21
Delta R.T. 0.004 min
Lab File: VL042027.D
Acq: 17 Feb 2025 13:17

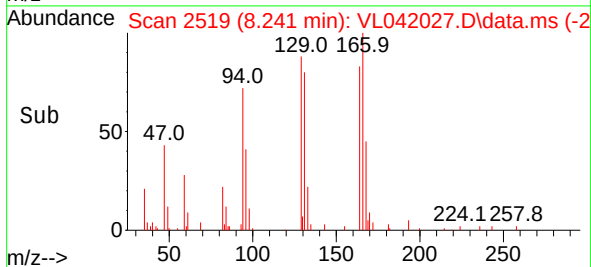
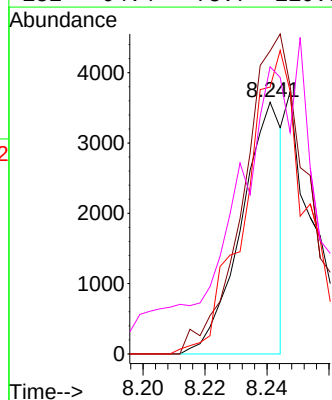
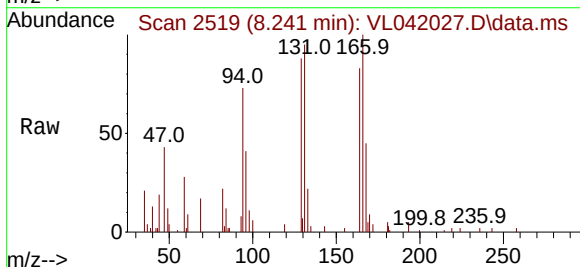
Instrument :
MSVOA_L
ClientSampleId :

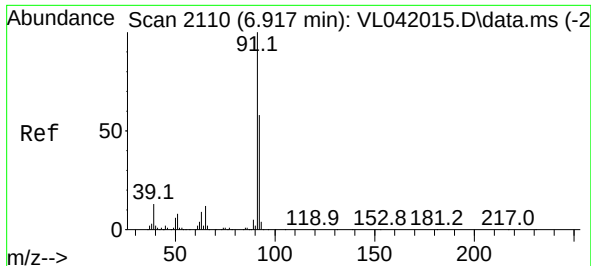
Tgt Ion: 43 Resp: 9312
Ion Ratio Lower Upper
43 100
58 76.0 41.4 62.0#
98 0.0 0.0 0.0



#52
Tetrachloroethene
Concen: 0.300 ppbv
RT: 8.241 min Scan# 2519
Delta R.T. -0.003 min
Lab File: VL042027.D
Acq: 17 Feb 2025 13:17

Tgt Ion: 164 Resp: 3255
Ion Ratio Lower Upper
164 100
166 120.4 102.2 153.2
129 104.1 82.2 123.4
131 94.4 73.7 110.5





#53

Toluene

Concen: 0.494 ppbv

RT: 6.953 min Scan# 2110

Delta R.T. -0.003 min

Lab File: VL042027.D

Acq: 17 Feb 2025 13:17

Instrument :

MSVOA_L

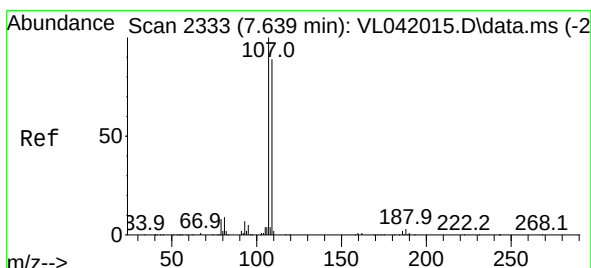
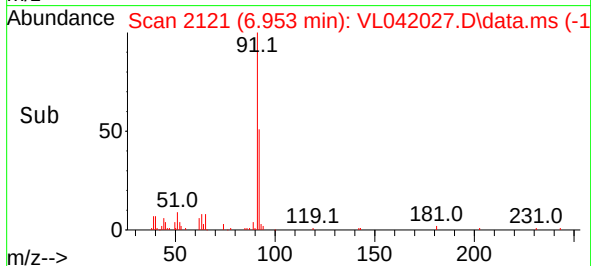
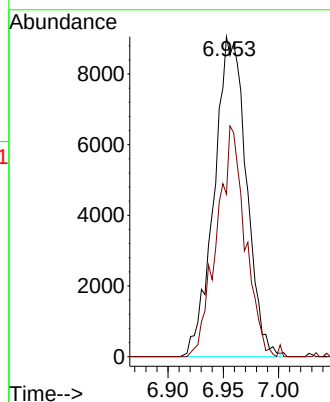
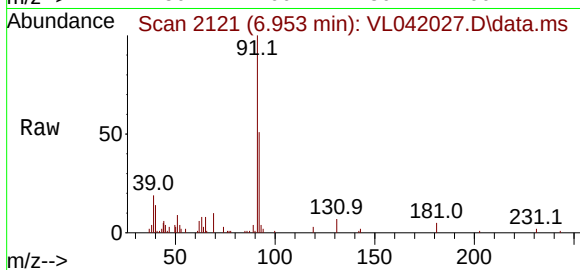
ClientSampleId :

Tgt Ion: 91 Resp: 18274

Ion Ratio Lower Upper

91 100

92 63.8 47.5 71.3



#54

1,2-Dibromoethane

Concen: 0.532 ppbv

RT: 7.671 min Scan# 2343

Delta R.T. -0.003 min

Lab File: VL042027.D

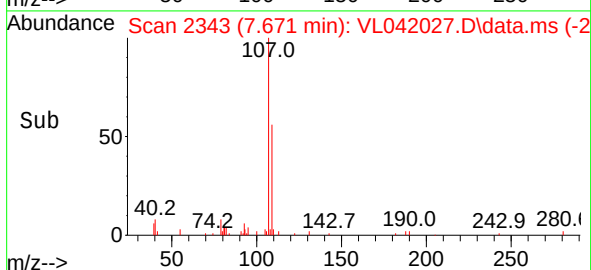
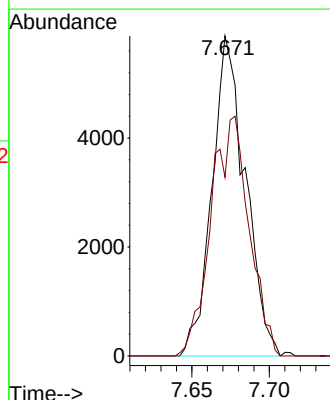
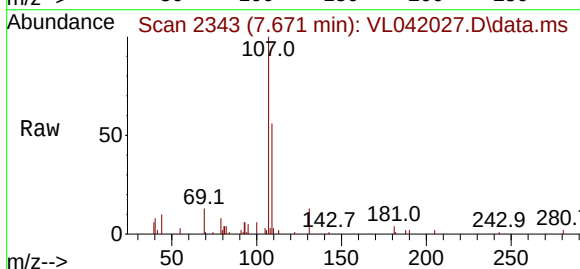
Acq: 17 Feb 2025 13:17

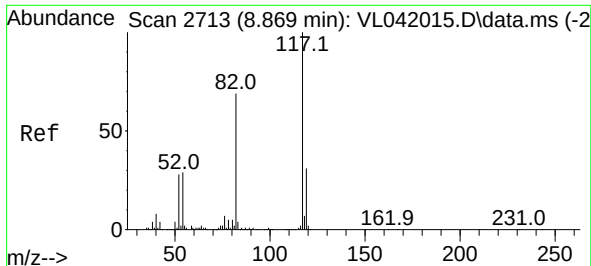
Tgt Ion: 107 Resp: 8783

Ion Ratio Lower Upper

107 100

109 55.8 71.5 107.3#





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.898 min Scan# 2713

Delta R.T. 0.000 min

Lab File: VL042027.D

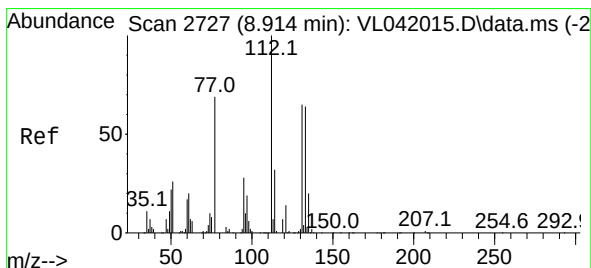
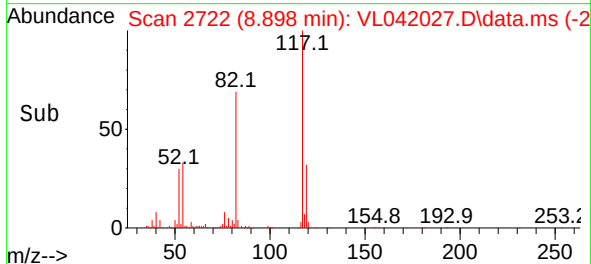
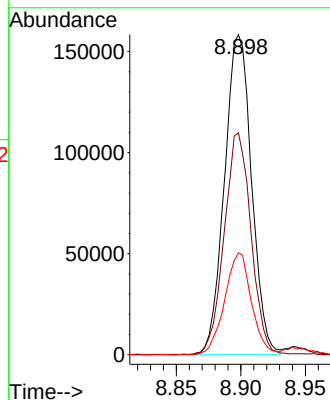
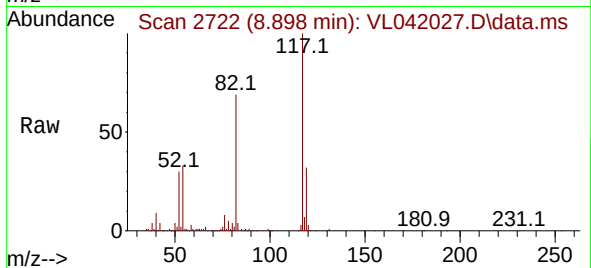
Acq: 17 Feb 2025 13:17

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:117	Resp:	231531
Ion Ratio	Lower	Upper
117	100	
82	68.7	55.7 83.5
119	33.6	25.2 37.8



#56

1,1,1,2-Tetrachloroethane

Concen: 0.564 ppbv

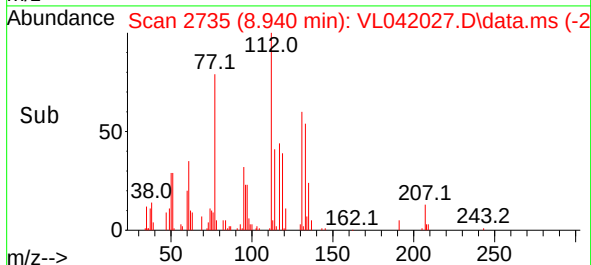
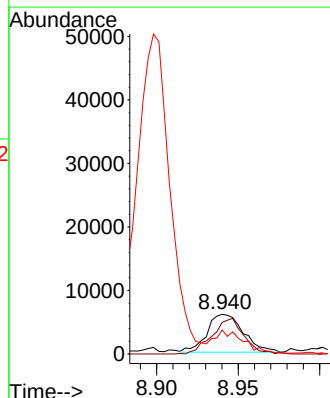
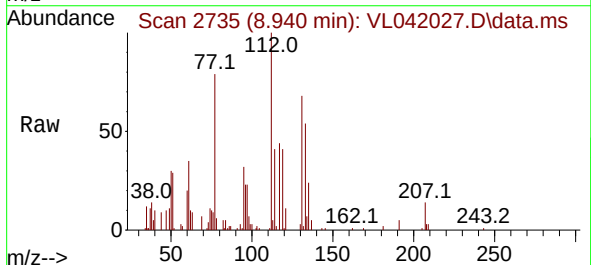
RT: 8.940 min Scan# 2735

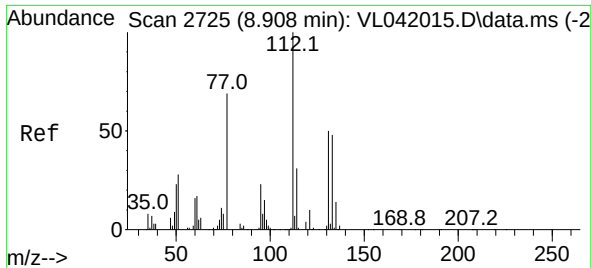
Delta R.T. -0.003 min

Lab File: VL042027.D

Acq: 17 Feb 2025 13:17

Tgt Ion:131	Resp:	9340
Ion Ratio	Lower	Upper
131	100	
133	81.0	77.8 116.8
119	50.2	49.1 73.7





#57

Chlorobenzene

Concen: 0.547 ppbv

RT: 8.937 min Scan# 21

Delta R.T. -0.003 min

Lab File: VL042027.D

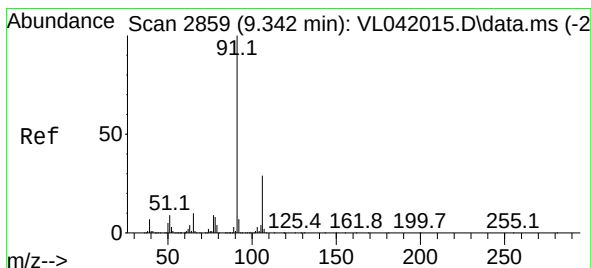
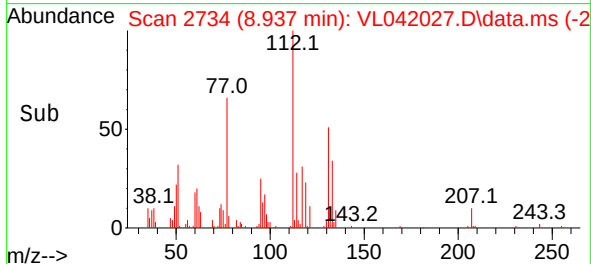
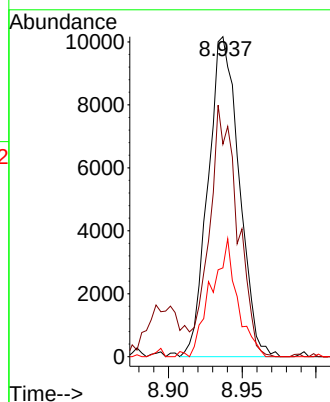
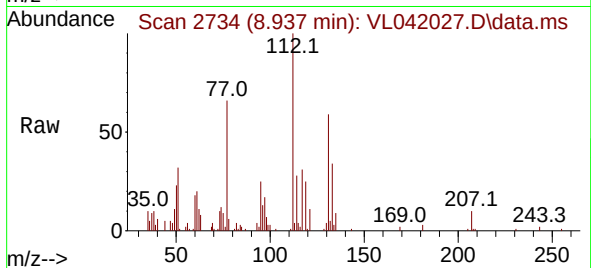
Acq: 17 Feb 2025 13:17

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:112	Resp:	14887
Ion Ratio	Lower	Upper
112	100	
77	66.4	56.2 84.2
114	27.8	28.2 34.4#



#58

Ethyl Benzene

Concen: 0.516 ppbv

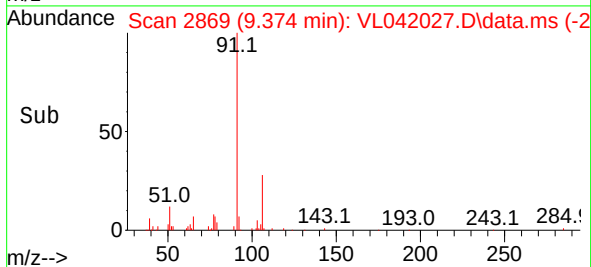
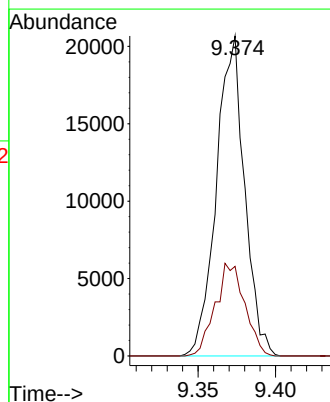
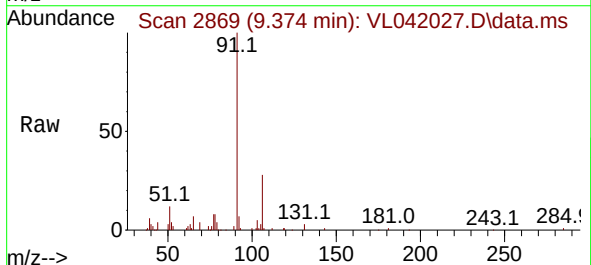
RT: 9.374 min Scan# 2869

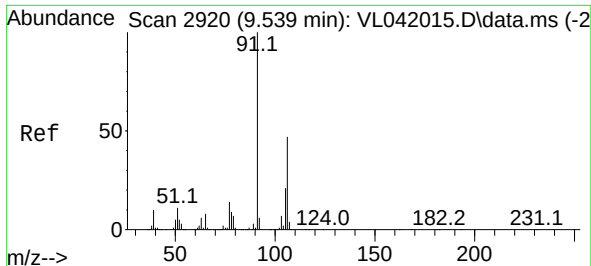
Delta R.T. 0.004 min

Lab File: VL042027.D

Acq: 17 Feb 2025 13:17

Tgt Ion: 91	Resp:	26163
Ion Ratio	Lower	Upper
91	100	
106	28.0	23.1 34.7





#59

m/p-Xylene

Concen: 0.203 ppbv

RT: 9.552 min Scan# 20

Delta R.T. 0.004 min

Lab File: VL042027.D

Acq: 17 Feb 2025 13:17

Instrument :

MSVOA_L

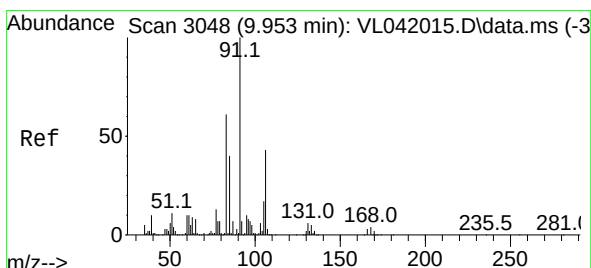
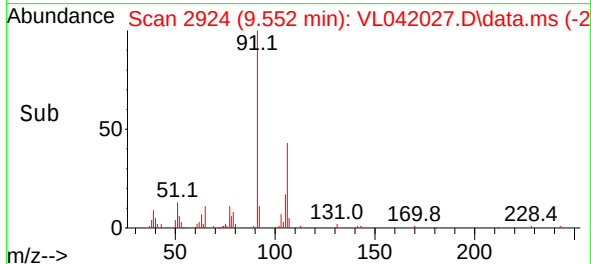
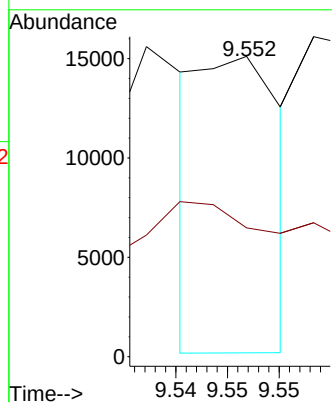
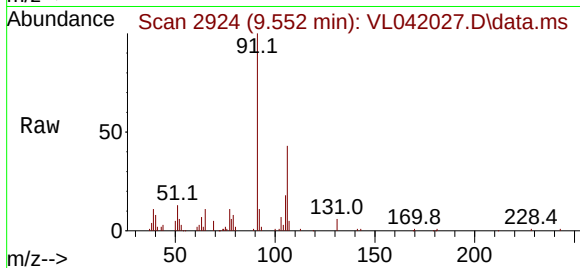
ClientSampleId :

Tgt Ion: 91 Resp: 8089

Ion Ratio Lower Upper

91 100

106 0.0 35.8 53.8#



#60

o-Xylene

Concen: 0.524 ppbv

RT: 9.979 min Scan# 3056

Delta R.T. 0.000 min

Lab File: VL042027.D

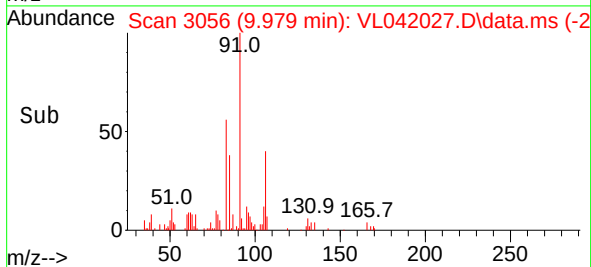
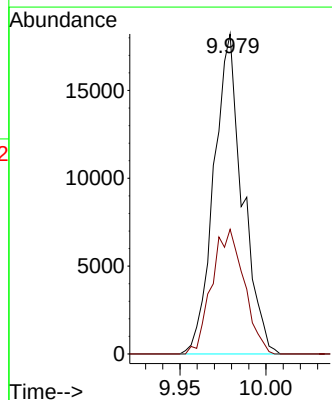
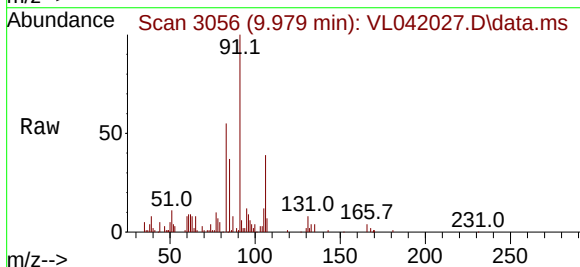
Acq: 17 Feb 2025 13:17

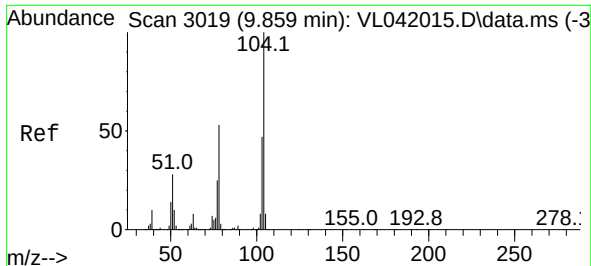
Tgt Ion: 91 Resp: 21143

Ion Ratio Lower Upper

91 100

106 43.9 21.4 64.3

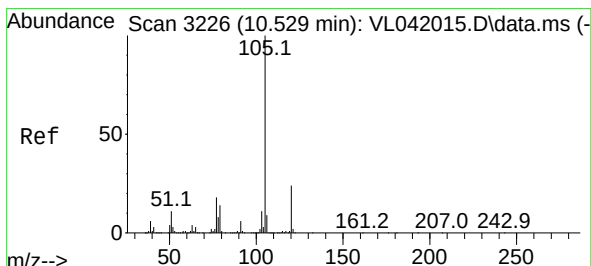
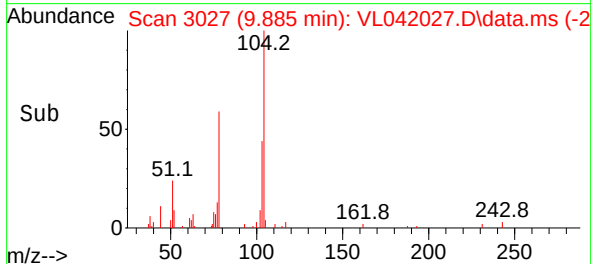
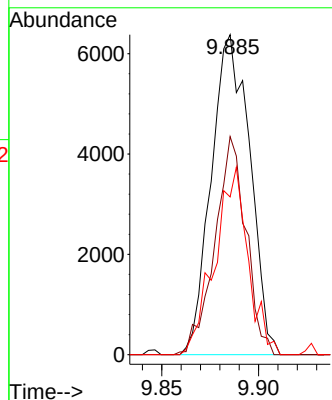
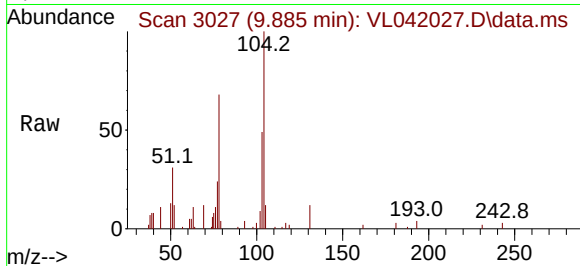




#61
Styrene
Concen: 0.459 ppbv
RT: 9.885 min Scan# 3019
Delta R.T. 0.000 min
Lab File: VL042027.D
Acq: 17 Feb 2025 13:17

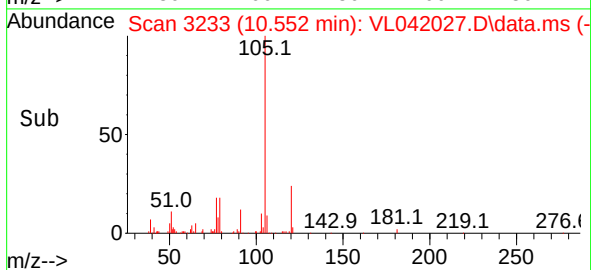
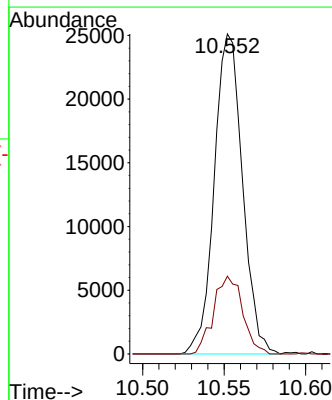
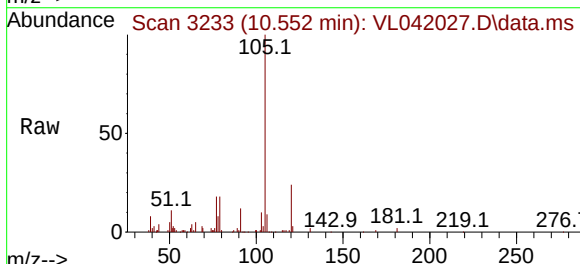
Instrument :
MSVOA_L
ClientSampleId :

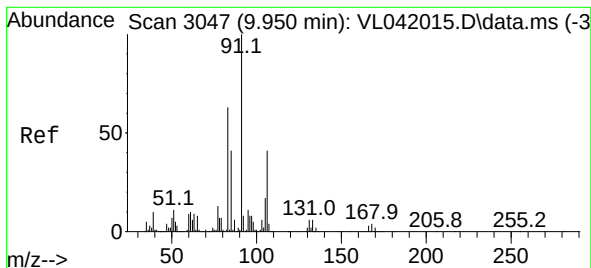
Tgt Ion:104 Resp: 8834
Ion Ratio Lower Upper
104 100
78 55.0 42.2 63.4
103 50.6 38.1 57.1



#62
Isopropylbenzene
Concen: 0.498 ppbv
RT: 10.552 min Scan# 3233
Delta R.T. -0.003 min
Lab File: VL042027.D
Acq: 17 Feb 2025 13:17

Tgt Ion:105 Resp: 30205
Ion Ratio Lower Upper
105 100
120 25.0 19.8 29.8





#63

1,1,2-Tetrachloroethane

Concen: 0.495 ppbv

RT: 9.979 min Scan# 3047

Delta R.T. 0.000 min

Lab File: VL042027.D

Acq: 17 Feb 2025 13:17

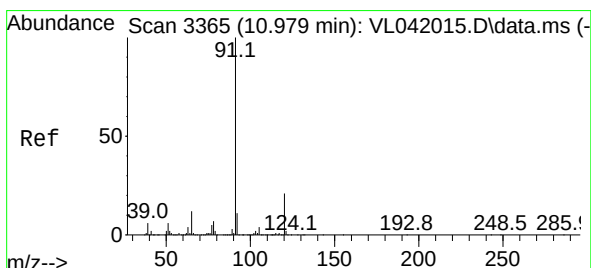
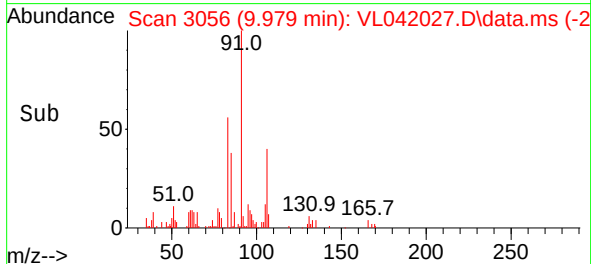
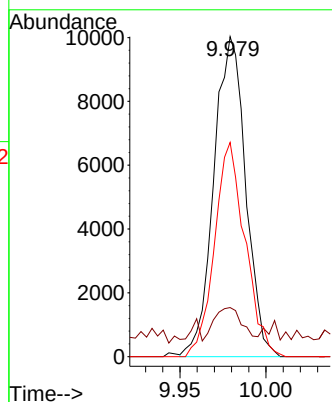
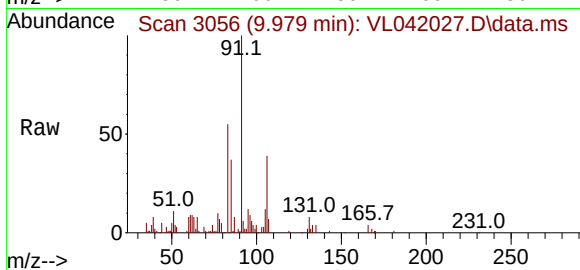
Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 83 Resp: 12895

Ion	Ratio	Lower	Upper
83	100		
131	18.2	5.0	15.0#
85	64.5	32.1	96.3



#64

n-propylbenzene

Concen: 0.356 ppbv

RT: 10.999 min Scan# 3371

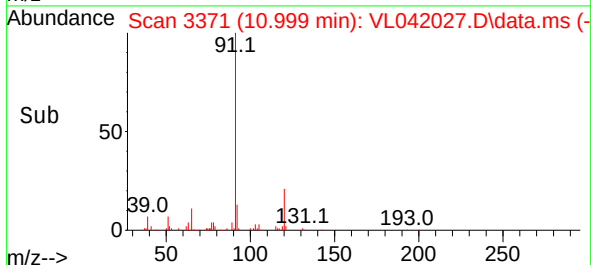
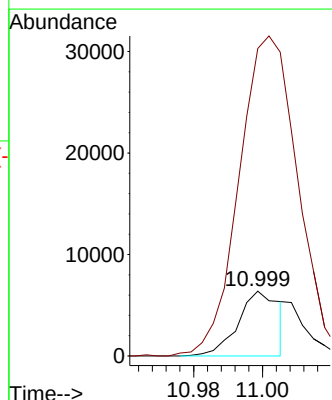
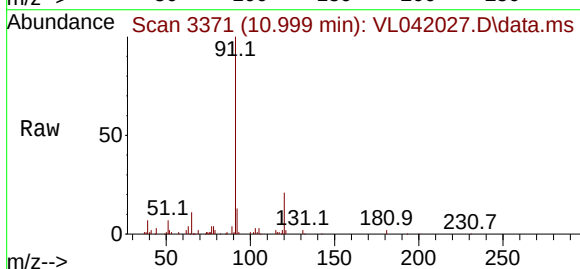
Delta R.T. -0.006 min

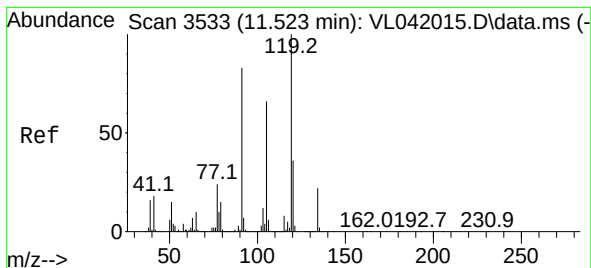
Lab File: VL042027.D

Acq: 17 Feb 2025 13:17

Tgt Ion: 120 Resp: 5294

Ion	Ratio	Lower	Upper
120	100		
91	703.6	392.2	588.2#





#65

tert-Butylbenzene

Concen: 0.522 ppbv

RT: 11.542 min Scan# 3539

Delta R.T. -0.003 min

Lab File: VL042027.D

Acq: 17 Feb 2025 13:17

Instrument :

MSVOA_L

ClientSampleId :

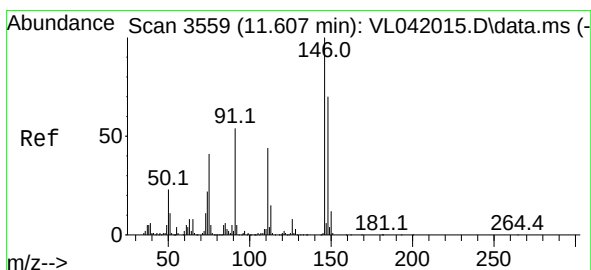
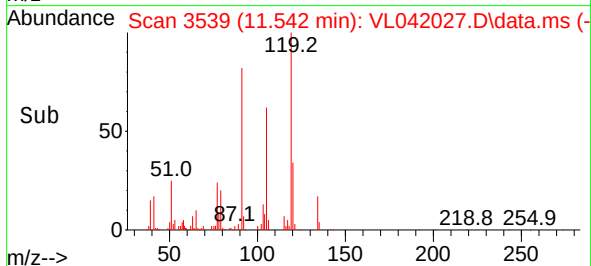
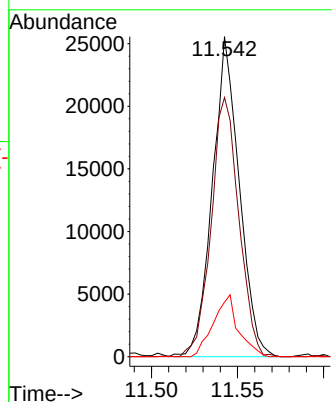
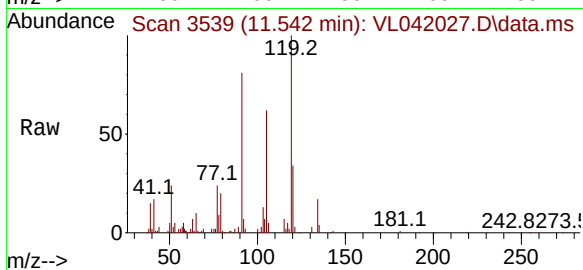
Tgt Ion:119 Resp: 27599

Ion Ratio Lower Upper

119 100

91 83.6 66.5 99.7

134 18.0 16.6 24.8



#66

Benzyl Chloride

Concen: 0.495 ppbv

RT: 11.627 min Scan# 3565

Delta R.T. -0.003 min

Lab File: VL042027.D

Acq: 17 Feb 2025 13:17

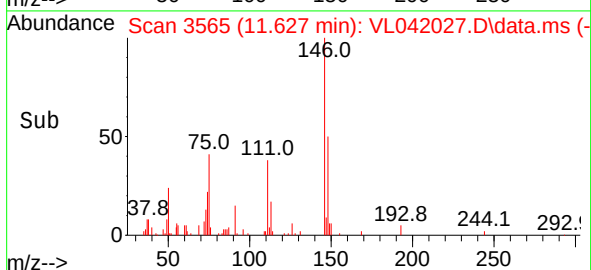
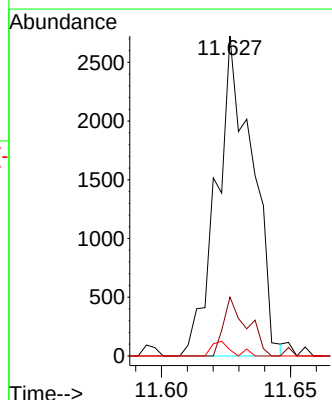
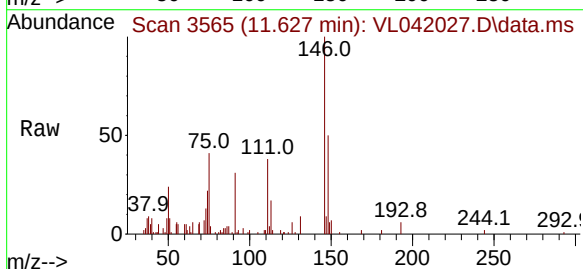
Tgt Ion: 91 Resp: 2621

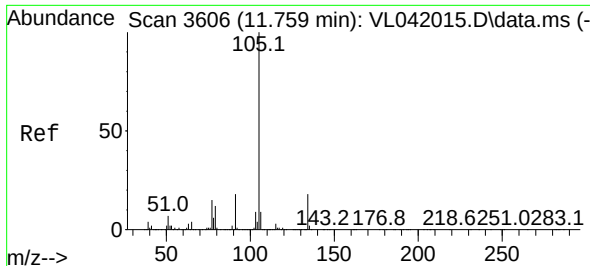
Ion Ratio Lower Upper

91 100

126 12.6 13.8 20.6#

128 2.5 4.1 6.1#





#67

sec-Butylbenzene

Concen: 0.499 ppbv

RT: 11.779 min Scan# 3183

Delta R.T. -0.003 min

Lab File: VL042027.D

Acq: 17 Feb 2025 13:17

Instrument :

MSVOA_L

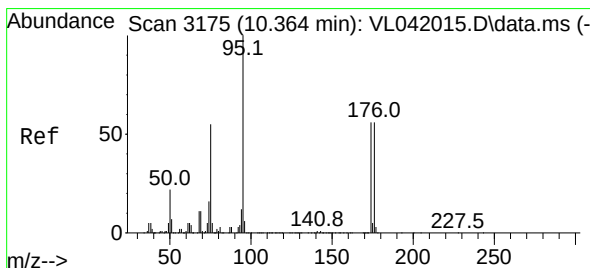
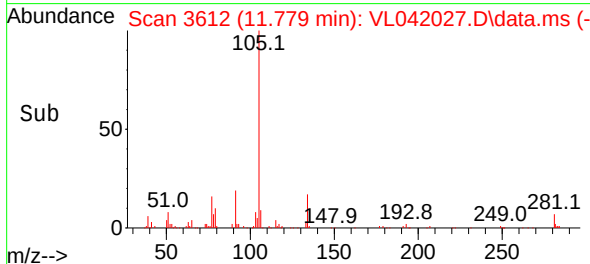
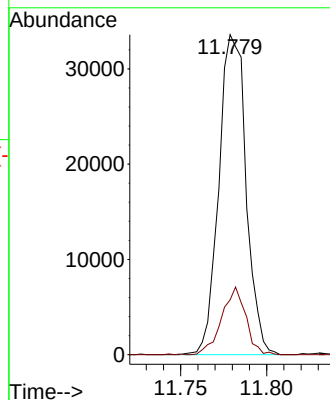
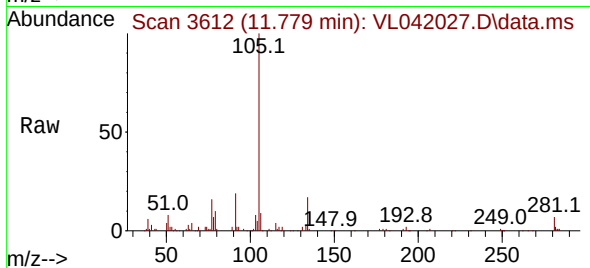
ClientSampleId :

Tgt Ion:105 Resp: 37062

Ion Ratio Lower Upper

105 100

134 18.8 14.7 22.1



#68

1-Bromo-4-Fluorobenzene

Concen: 10.157 ppbv

RT: 10.390 min Scan# 3183

Delta R.T. 0.000 min

Lab File: VL042027.D

Acq: 17 Feb 2025 13:17

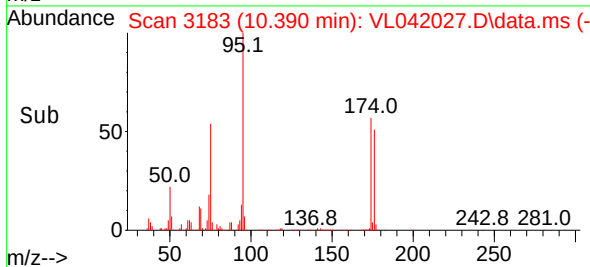
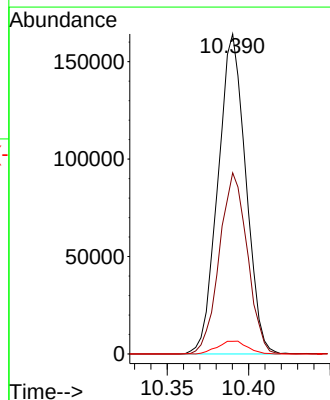
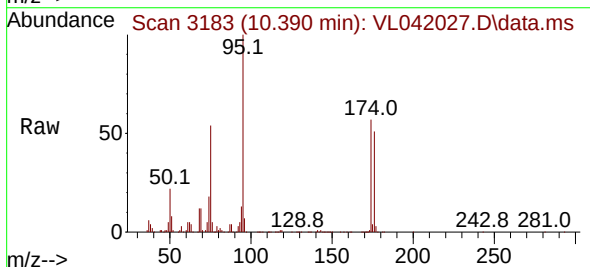
Tgt Ion: 95 Resp: 193981

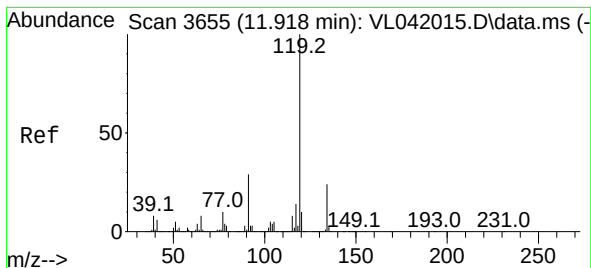
Ion Ratio Lower Upper

95 100

174 57.1 46.7 70.1

175 4.4 3.7 5.5





#69

p-Isopropyltoluene

Concen: 0.498 ppbv

RT: 11.941 min Scan# 30281

Delta R.T. 0.000 min

Lab File: VL042027.D

Acq: 17 Feb 2025 13:17

Instrument :

MSVOA_L

ClientSampleId :

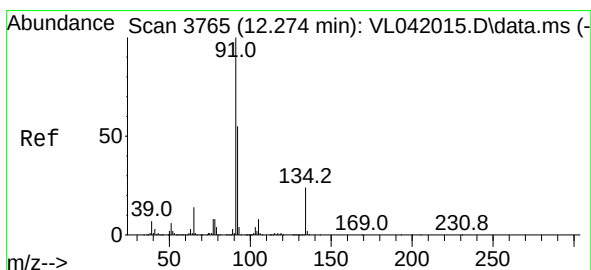
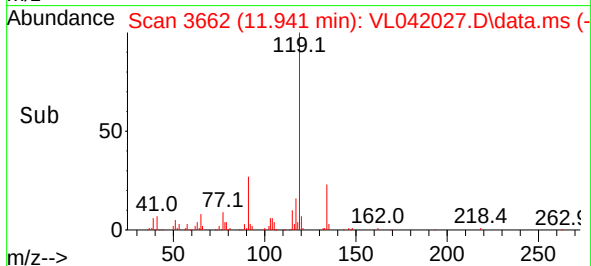
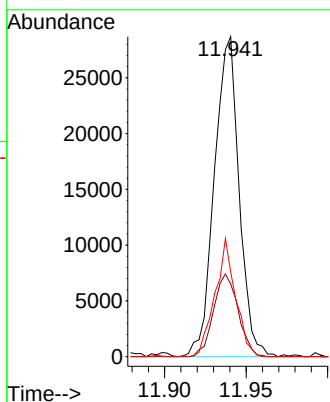
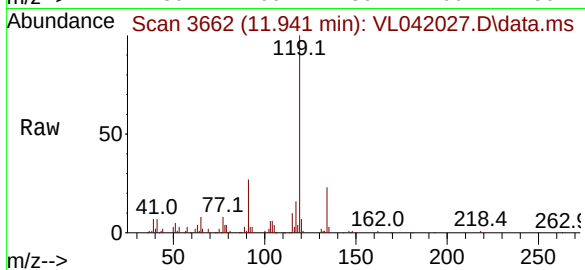
Tgt Ion:119 Resp: 30281

Ion Ratio Lower Upper

119 100

134 25.7 19.4 29.0

91 30.8 23.4 35.2



#70

n-Butylbenzene

Concen: 0.507 ppbv

RT: 12.293 min Scan# 3771

Delta R.T. 0.000 min

Lab File: VL042027.D

Acq: 17 Feb 2025 13:17

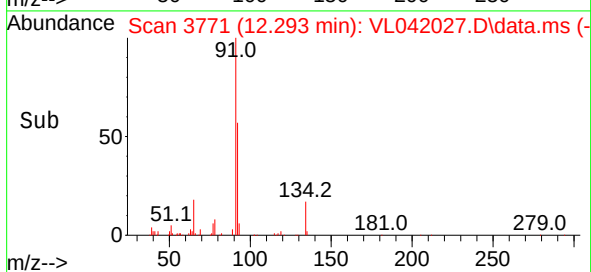
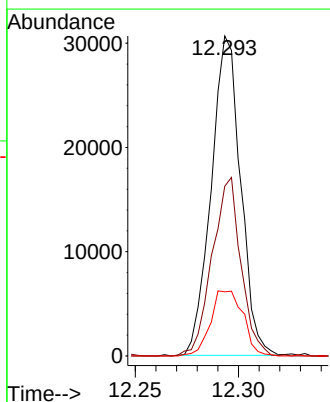
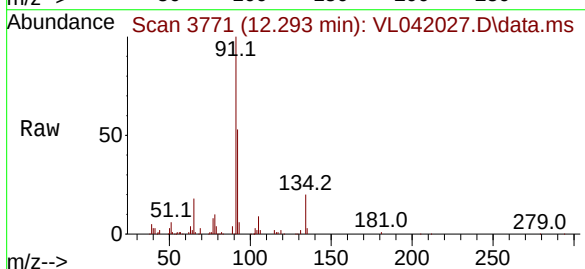
Tgt Ion: 91 Resp: 30353

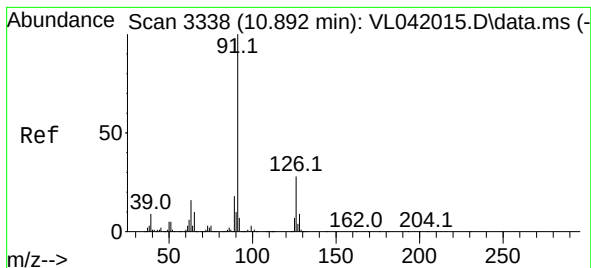
Ion Ratio Lower Upper

91 100

92 54.8 43.8 65.8

134 22.6 18.6 27.8





#71

2-Chlorotoluene

Concen: 0.515 ppbv

RT: 10.914 min Scan# 3415

Delta R.T. 0.000 min

Lab File: VL042027.D

Acq: 17 Feb 2025 13:17

Instrument :

MSVOA_L

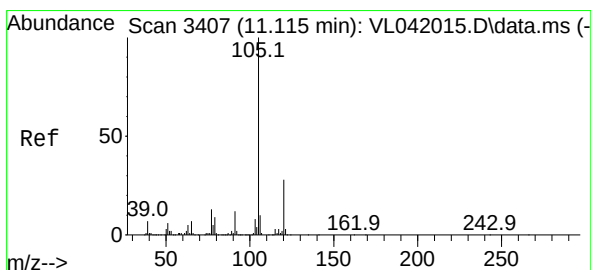
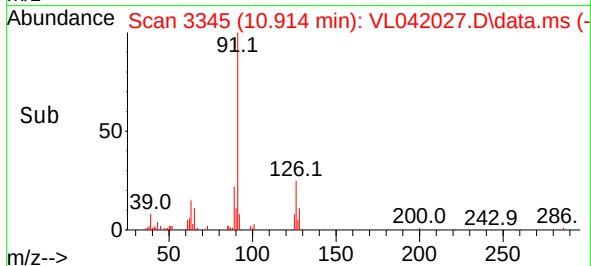
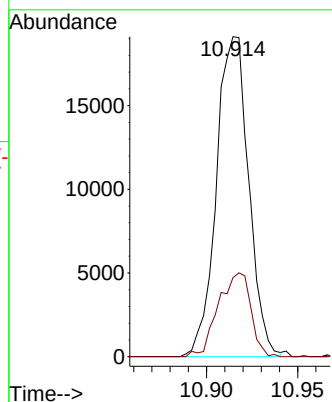
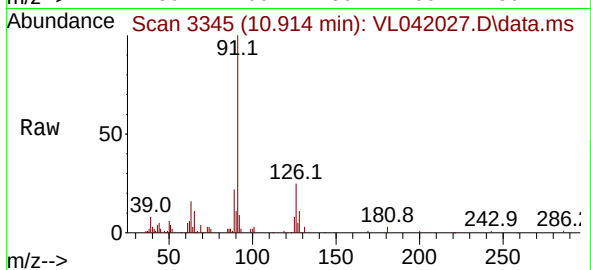
ClientSampleId :

Tgt Ion: 91 Resp: 23526

Ion Ratio Lower Upper

91 100

126 26.3 11.2 45.0



#72

4-Ethyltoluene

Concen: 0.510 ppbv

RT: 11.141 min Scan# 3415

Delta R.T. 0.004 min

Lab File: VL042027.D

Acq: 17 Feb 2025 13:17

Tgt Ion:105 Resp: 24106

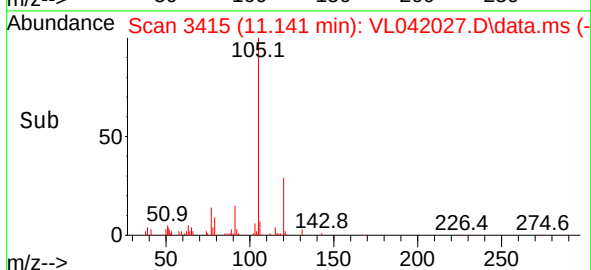
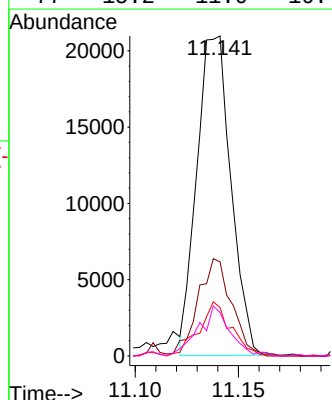
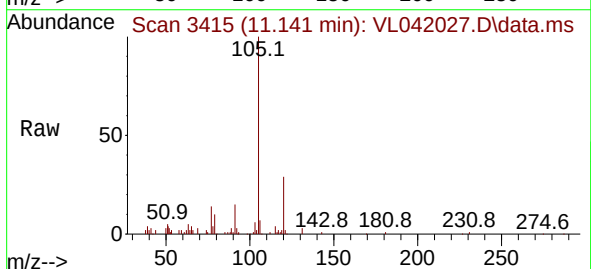
Ion Ratio Lower Upper

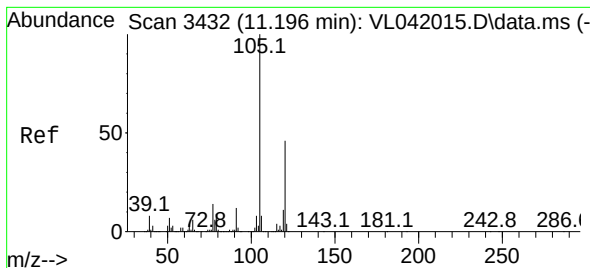
105 100

120 31.2 22.7 34.1

91 16.4 10.2 15.2#

77 15.2 11.0 16.4





#73

1,3,5-Trimethylbenzene

Concen: 0.510 ppbv

RT: 11.215 min Scan# 3438

Delta R.T. -0.003 min

Lab File: VL042027.D

Acq: 17 Feb 2025 13:17

Instrument :

MSVOA_L

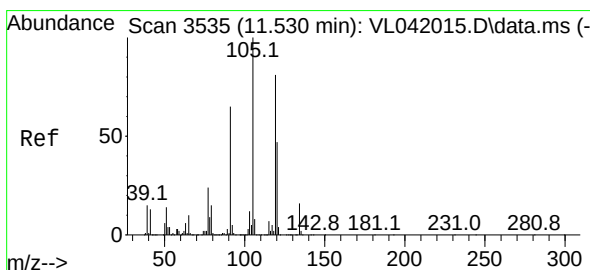
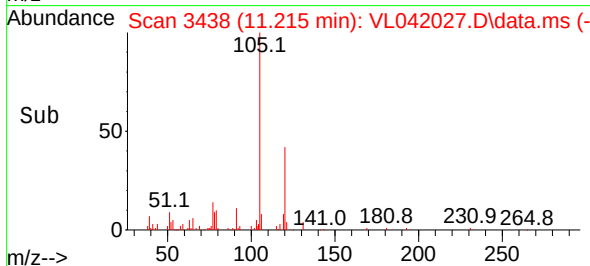
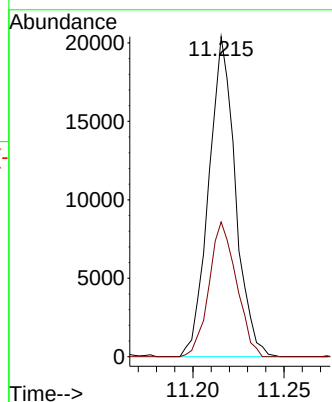
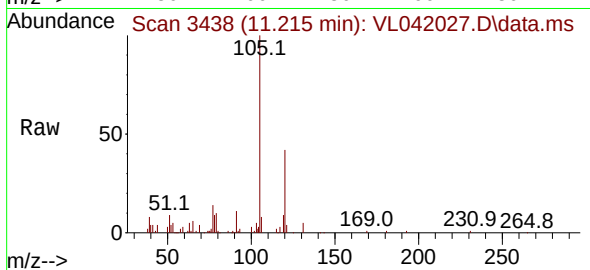
ClientSampleId :

Tgt Ion:105 Resp: 20794

Ion Ratio Lower Upper

105 100

120 42.1 37.1 55.7



#74

1,2,4-Trimethylbenzene

Concen: 0.522 ppbv

RT: 11.549 min Scan# 3541

Delta R.T. -0.003 min

Lab File: VL042027.D

Acq: 17 Feb 2025 13:17

Tgt Ion:105 Resp: 22841

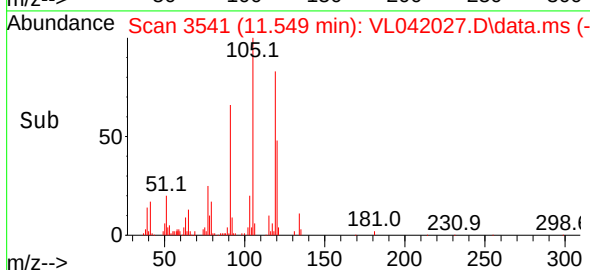
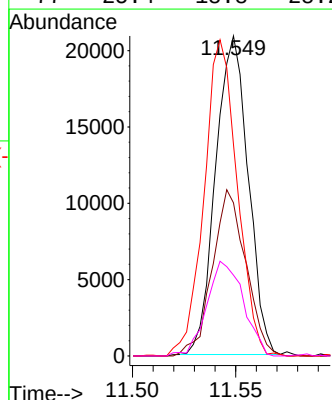
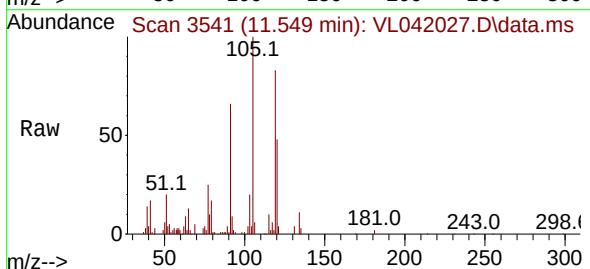
Ion Ratio Lower Upper

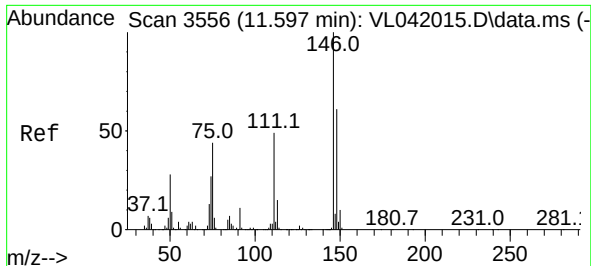
105 100

120 47.6 37.5 56.3

91 66.0 51.7 77.5

77 25.4 18.8 28.2

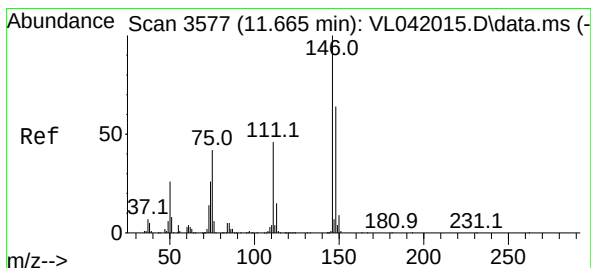
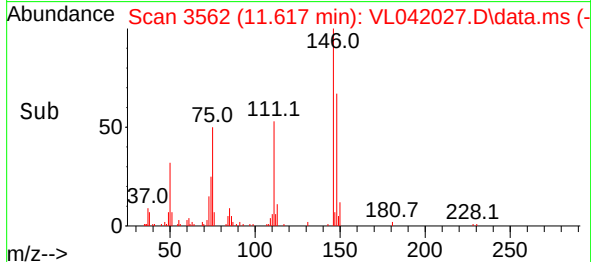
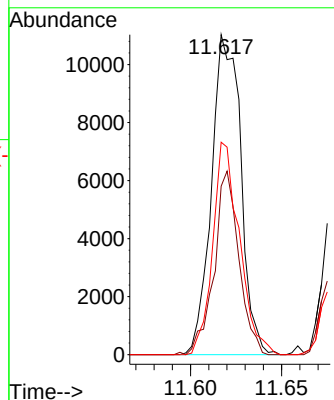
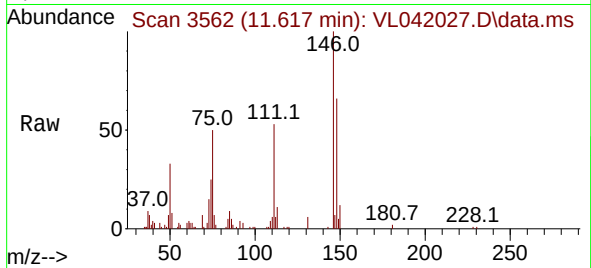




#75
1,3-Dichlorobenzene
Concen: 0.523 ppbv
RT: 11.617 min Scan# 3562
Delta R.T. -0.006 min
Lab File: VL042027.D
Acq: 17 Feb 2025 13:17

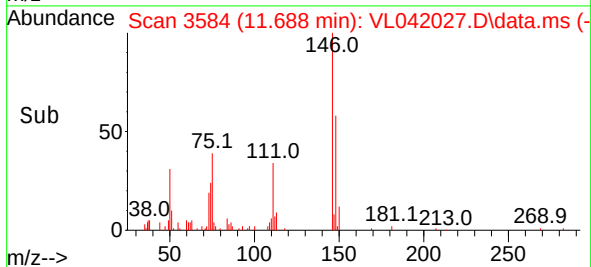
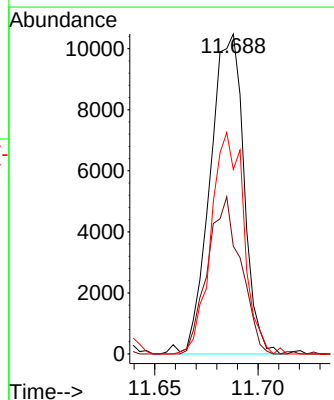
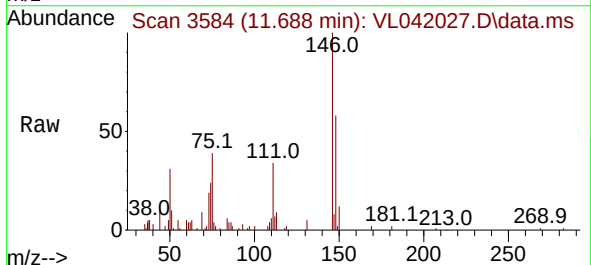
Instrument :
MSVOA_L
ClientSampleId :

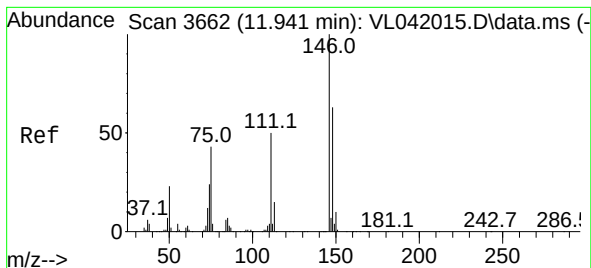
Tgt Ion:146 Resp: 12329
Ion Ratio Lower Upper
146 100
111 48.6 23.9 71.7
148 60.8 31.5 94.5



#76
1,4-Dichlorobenzene
Concen: 0.514 ppbv
RT: 11.688 min Scan# 3584
Delta R.T. 0.004 min
Lab File: VL042027.D
Acq: 17 Feb 2025 13:17

Tgt Ion:146 Resp: 11823
Ion Ratio Lower Upper
146 100
111 48.8 23.5 70.5
148 67.7 32.3 96.9





#77

1,2-Dichlorobenzene

Concen: 0.568 ppbv

RT: 11.960 min Scan# 3

Delta R.T. 0.000 min

Lab File: VL042027.D

Acq: 17 Feb 2025 13:17

Instrument :

MSVOA_L

ClientSampleId :

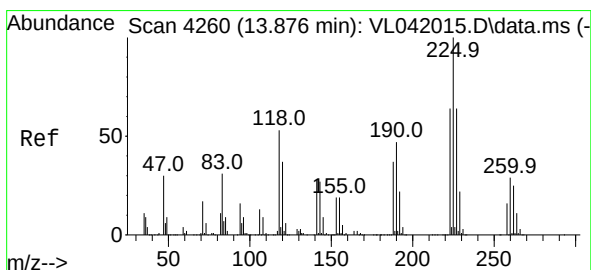
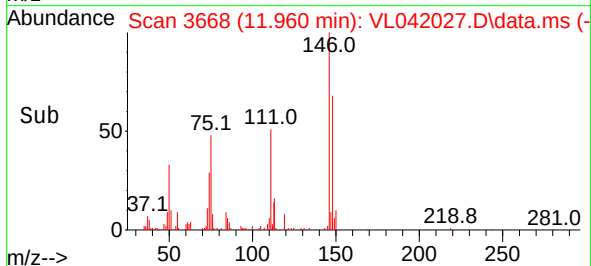
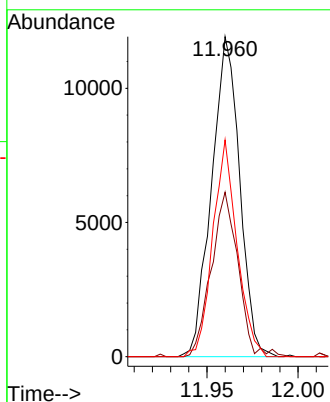
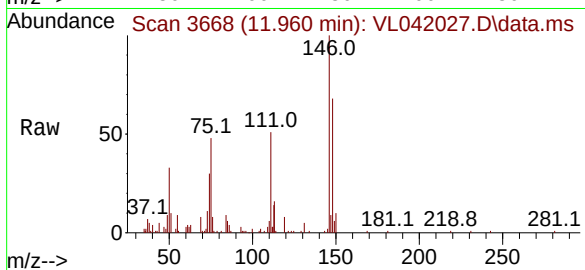
Tgt Ion:146 Resp: 12786

Ion Ratio Lower Upper

146 100

111 49.2 25.6 76.8

148 58.5 31.9 95.7



#78

Hexachloro-1,3-Butadiene

Concen: 0.541 ppbv

RT: 13.895 min Scan# 4266

Delta R.T. 0.000 min

Lab File: VL042027.D

Acq: 17 Feb 2025 13:17

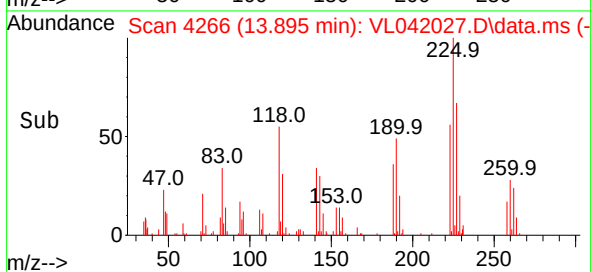
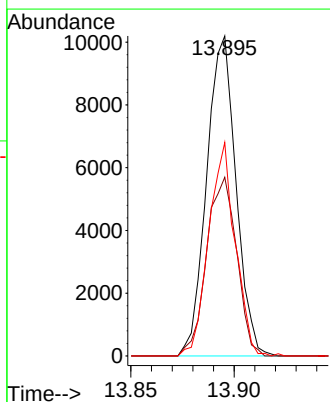
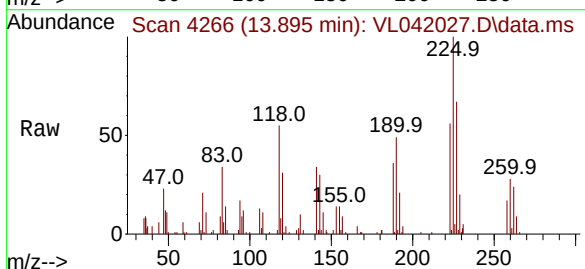
Tgt Ion:225 Resp: 10087

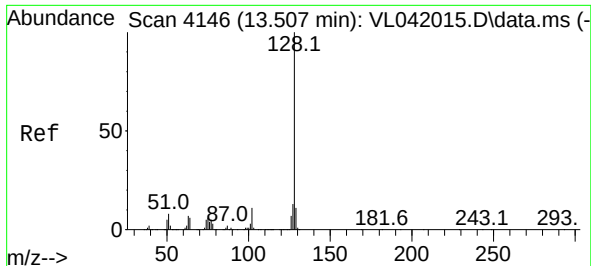
Ion Ratio Lower Upper

225 100

223 57.1 50.6 75.8

227 60.2 50.9 76.3





#79

Naphthalene

Concen: 0.537 ppbv

RT: 13.526 min Scan# 4146

Delta R.T. 0.000 min

Lab File: VL042027.D

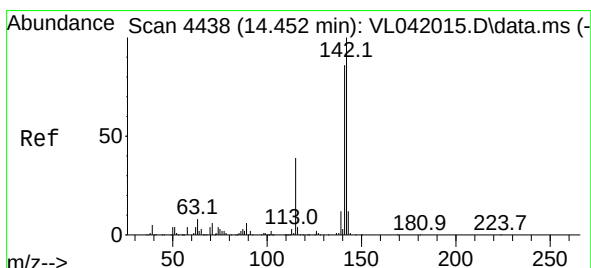
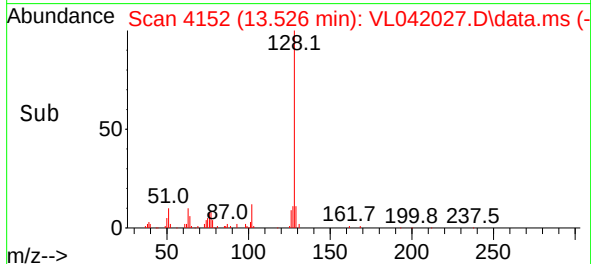
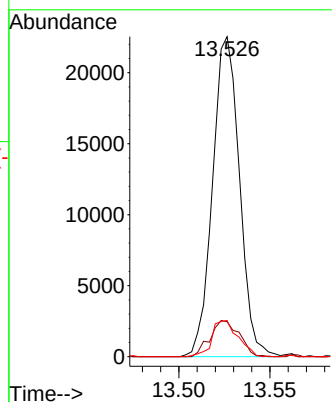
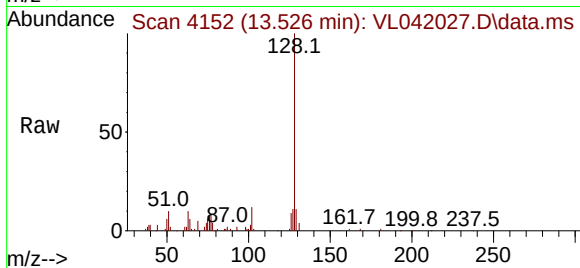
Acq: 17 Feb 2025 13:17

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:128	Resp:	23132
Ion Ratio	Lower	Upper
128	100	
127	10.9	10.2 15.2
129	11.3	8.6 13.0



#80

Naphthalene, 2-methyl-

Concen: 0.524 ppbv

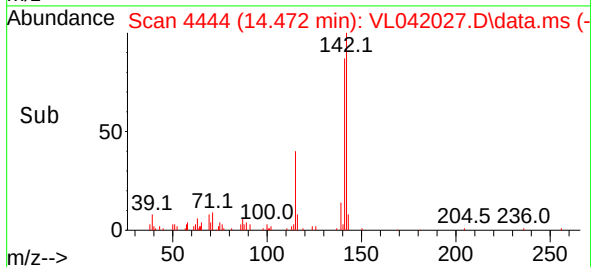
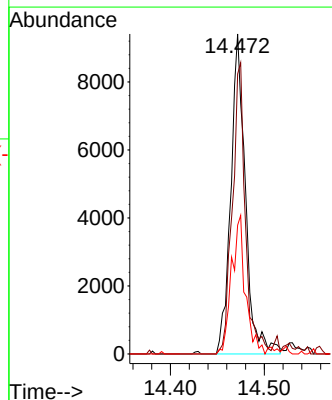
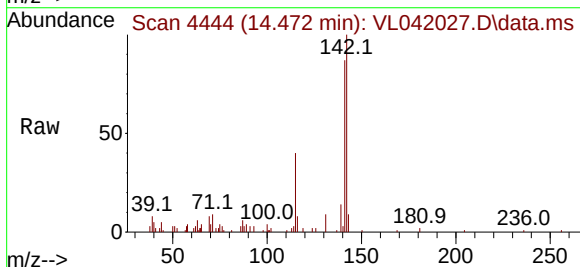
RT: 14.472 min Scan# 4444

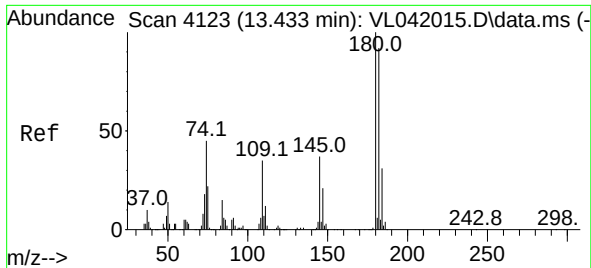
Delta R.T. 0.000 min

Lab File: VL042027.D

Acq: 17 Feb 2025 13:17

Tgt Ion:142	Resp:	10226
Ion Ratio	Lower	Upper
142	100	
141	82.3	68.2 102.2
115	42.9	33.6 50.4





#81

1,2,4-Trichlorobenzene

Concen: 0.554 ppbv

RT: 13.452 min Scan# 41

Delta R.T. -0.003 min

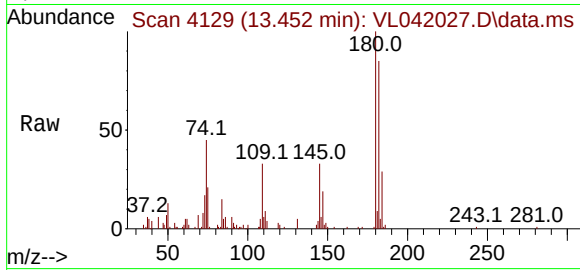
Lab File: VL042027.D

Acq: 17 Feb 2025 13:17

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion:180 Resp: 9696

Ion Ratio Lower Upper

180 100

182 88.3 75.8 113.6

184 32.1 24.2 36.4

