

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL021725\
 Data File : VL042029.D
 Acq On : 17 Feb 2025 14:19
 Operator : SY/MD
 Sample : Q1168-15 0.1
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Feb 18 00:25:55 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	2.797	49	91217	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.975	114	256396	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.895	117	231910	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.387	95	196094	10.251	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.500%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	2275	0.145	ppbv	97
3) Chlorodifluoromethane	1.480	51	3072	0.177	ppbv	98
4) Chloromethane	1.538	50	954	0.156	ppbv #	69
5) Vinyl Chloride	1.583	62	599	0.082	ppbv	100
6) Bromomethane	1.670	94	338	0.119	ppbv #	76
7) Chloroethane	1.709	64	359	0.151	ppbv #	84
8) Dichlorotetrafluoroethane	1.557	85	1366	0.099	ppbv	94
9) Propene	1.486	41	1407	0.188	ppbv	86
10) Heptane	5.001	43	1816	0.087	ppbv #	26
11) Trichlorofluoromethane	2.143	101	1569	0.099	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.143	101	1569	0.127	ppbv	87
13) Ethanol	1.434	45	96974	114.879	ppbv	77
14) Bromoethene	1.784	108	390	0.085	ppbv #	78
15) Acetone	1.842	43	4189	0.278	ppbv	99
16) 1,3-Butadiene	1.612	39	1334	0.187	ppbv #	68
17) tert-Butyl alcohol	2.052	59	2661	0.143	ppbv #	91
18) 1,1-Dichloroethene	2.043	96	655	0.111	ppbv #	60
19) Isopropyl Alcohol	1.434	45	96974	11.486	ppbv #	31
20) Methylene Chloride	2.069	84	2913	0.514	ppbv #	72
21) Allyl Chloride	2.101	41	1498	0.137	ppbv #	94
22) trans-1,2-Dichloroethene	2.026	96	80	0.013	ppbv	83
23) Vinyl Acetate	2.467	43	1109	0.136	ppbv #	9
24) 1,1-Dichloroethane	2.418	63	1616	0.125	ppbv #	93
25) Ethyl Acetate	2.852	43	2265	0.055	ppbv #	62
26) Hexane	2.832	57	5804	0.350	ppbv #	56
27) Carbon Disulfide	2.156	76	1652	0.106	ppbv #	1
28) Methyl tert-Butyl Ether	2.447	73	738	0.073	ppbv #	53
29) Chloroform	2.858	83	2529	0.105	ppbv #	77
30) Cyclohexane	3.868	84	485	0.036	ppbv #	1
31) cis-1,2-Dichloroethene	2.729	61	1946	0.119	ppbv #	85
32) 1,1,1-Trichloroethane	3.376	97	1635	0.061	ppbv #	25
34) 2-Butanone	2.577	43	2645	0.120	ppbv #	88
35) Carbon Tetrachloride	3.774	117	2949	0.118	ppbv	92
36) Benzene	3.671	78	3701	0.119	ppbv #	86
37) 1,2-Dichloroethane	3.224	62	2224	0.126	ppbv	99
38) Trichloroethene	4.567	130	1152	0.091	ppbv #	37
39) 1,2-Dichloropropane	3.972	63	66126	5.807	ppbv #	26
40) 1,4-Dioxane	4.626	88	276	0.047	ppbv #	26
41) Tetrahydrofuran	3.053	42	51	0.004	ppbv #	36
42) Bromodichloromethane	4.509	83	389	0.016	ppbv #	34
43) Methyl Methacrylate	4.897	69	347	0.025	ppbv #	1
44) 2,2,4-Trimethylpentane	4.658	57	3300	0.063	ppbv #	37
45) t-1,3-Dichloropropene	6.454	75	277	0.021	ppbv	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL021725\
 Data File : VL042029.D
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 Operator : SY/MD
 Sample : Q1168-15 0.1
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

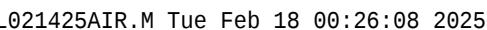
Instrument :
 MSVOA_L
 ClientSampleId :

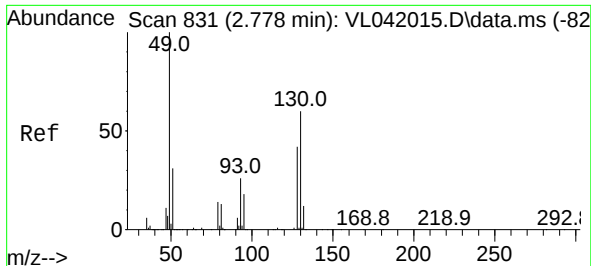
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 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Feb 18 00:13:37 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
46) cis-1,3-Dichloropropene	5.619	75	379	0.022	ppbv	#	1
47) 1,1,2-Trichloroethane	6.603	97	538	0.045	ppbv	#	41
48) Dibromochloromethane	7.403	129	1114	0.056	ppbv	#	8
49) Bromoform	9.493	173	1543	0.094	ppbv		93
50) 4-Methyl-2-Pentanone	5.791	43	1179	0.035	ppbv	#	1
51) 2-Hexanone	7.464	43	1401	0.051	ppbv	#	26
52) Tetrachloroethene	8.241	164	552	0.051	ppbv	#	19
53) Toluene	6.953	91	2935	0.079	ppbv	#	46
54) 1,2-Dibromoethane	7.674	107	469	0.028	ppbv		84
56) 1,1,1,2-Tetrachloroethane	8.937	131	1390	0.084	ppbv	#	8
57) Chlorobenzene	8.933	112	3535	0.130	ppbv	#	90
58) Ethyl Benzene	9.545	91	5415	0.107	ppbv		91
59) m/p-Xylene	9.545	91	5415	0.135	ppbv	#	60
60) o-Xylene	9.976	91	4610	0.114	ppbv		91
61) Styrene	9.882	104	1279	0.066	ppbv	#	43
62) Isopropylbenzene	10.552	105	7181	0.118	ppbv		100
63) 1,1,2,2-Tetrachloroethane	9.979	83	3086	0.118	ppbv	#	95
64) n-propylbenzene	10.998	120	1626	0.109	ppbv		95
65) tert-Butylbenzene	11.536	119	6657	0.126	ppbv		96
66) Benzyl Chloride	11.620	91	234	0.044	ppbv	#	60
67) sec-Butylbenzene	11.778	105	7962	0.107	ppbv		92
69) p-Isopropyltoluene	11.931	119	7188	0.118	ppbv		95
70) n-Butylbenzene	12.293	91	5680	0.095	ppbv		95
71) 2-Chlorotoluene	10.911	91	5542	0.121	ppbv		91
72) 4-Ethyltoluene	11.134	105	5460	0.115	ppbv		96
73) 1,3,5-Trimethylbenzene	11.212	105	4848	0.119	ppbv	#	84
74) 1,2,4-Trimethylbenzene	11.542	105	4659	0.106	ppbv	#	78
75) 1,3-Dichlorobenzene	11.620	146	1025	0.043	ppbv	#	1
76) 1,4-Dichlorobenzene	11.681	146	2408	0.105	ppbv		95
77) 1,2-Dichlorobenzene	11.953	146	2698	0.120	ppbv		92
78) Hexachloro-1,3-Butadiene	13.892	225	2060	0.110	ppbv		96
79) Naphthalene	13.526	128	4443	0.103	ppbv	#	93
80) Naphthalene,2-methyl-	14.468	142	1587	0.081	ppbv		91
81) 1,2,4-Trichlorobenzene	13.449	180	998	0.057	ppbv	#	52

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

Quant Time: Feb 18 00:25:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021425AIR.M
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QLast Update : Tue Feb 18 00:13:37 2025
Response via : Initial Calibration

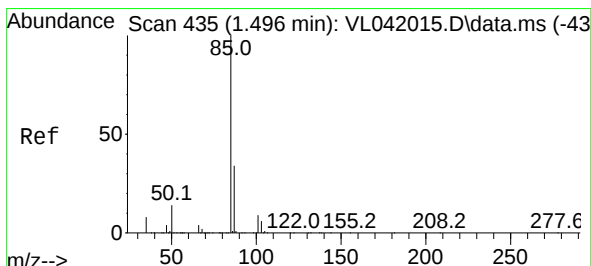
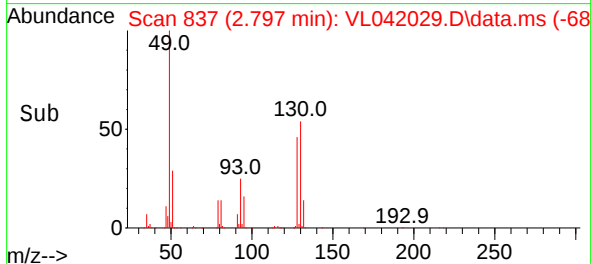
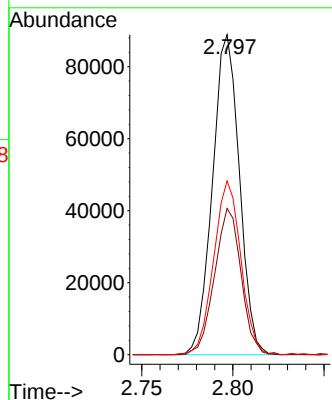
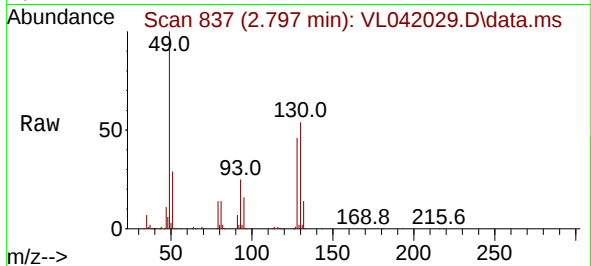




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.797 min Scan# 831
Delta R.T. -0.003 min
Lab File: VL042029.D
Acq: 17 Feb 2025 14:19

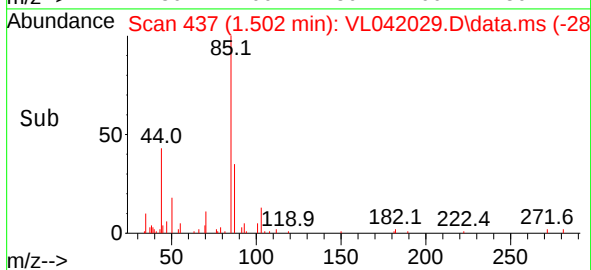
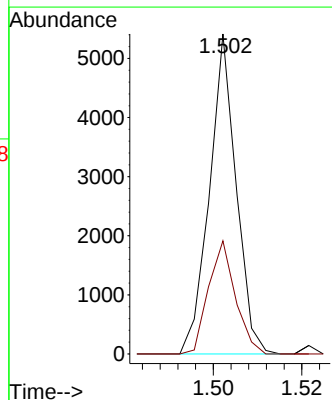
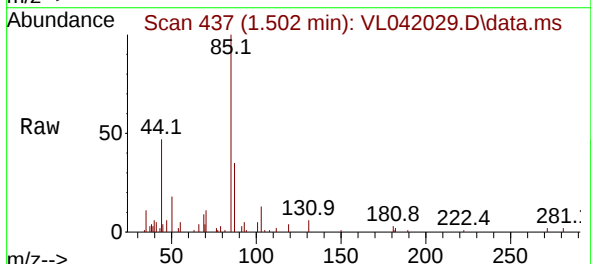
Instrument :
MSVOA_L
ClientSampleId :

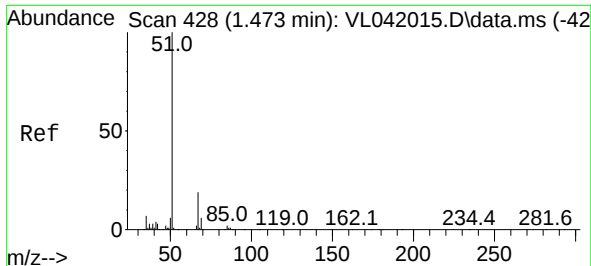
Tgt Ion: 49 Resp: 91217
Ion Ratio Lower Upper
49 100
128 45.0 22.7 68.0
130 55.2 29.9 89.8



#2
Dichlorodifluoromethane
Concen: 0.145 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.000 min
Lab File: VL042029.D
Acq: 17 Feb 2025 14:19

Tgt Ion: 85 Resp: 2275
Ion Ratio Lower Upper
85 100
87 35.3 26.9 40.3

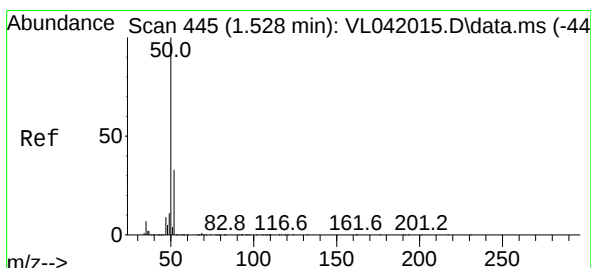
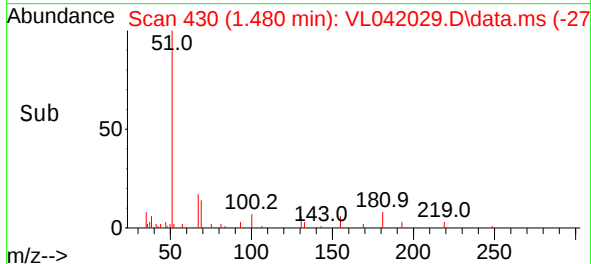
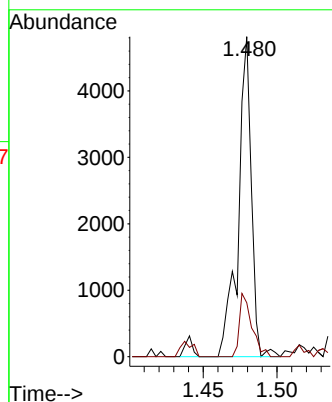
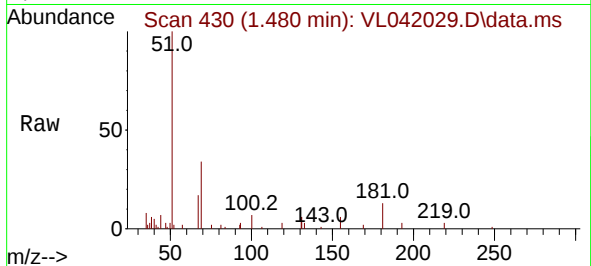




#3
Chlorodifluoromethane
Concen: 0.177 ppbv
RT: 1.480 min Scan# 441
Delta R.T. 0.000 min
Lab File: VL042029.D
Acq: 17 Feb 2025 14:19

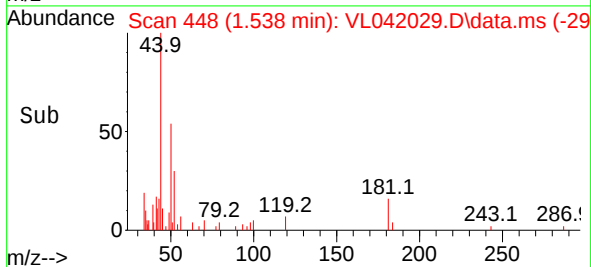
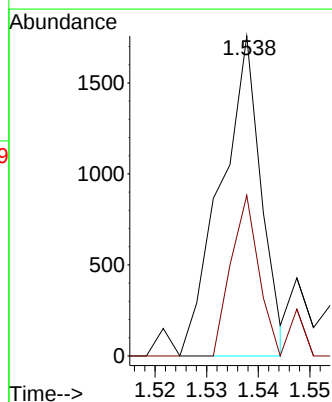
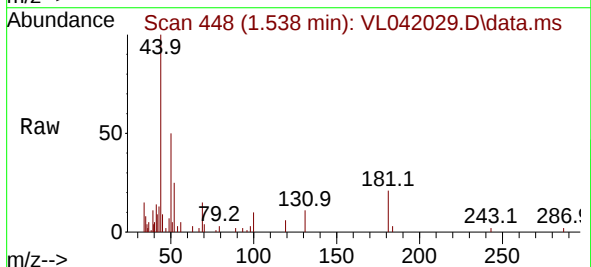
Instrument :
MSVOA_L
ClientSampleId :

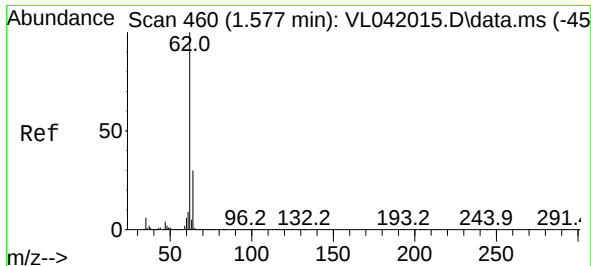
Tgt Ion: 51 Resp: 3072
Ion Ratio Lower Upper
51 100
67 17.9 15.0 22.6



#4
Chloromethane
Concen: 0.156 ppbv
RT: 1.538 min Scan# 448
Delta R.T. 0.000 min
Lab File: VL042029.D
Acq: 17 Feb 2025 14:19

Tgt Ion: 50 Resp: 954
Ion Ratio Lower Upper
50 100
52 50.2 26.2 39.2#

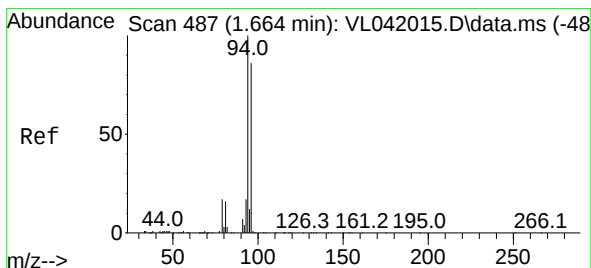
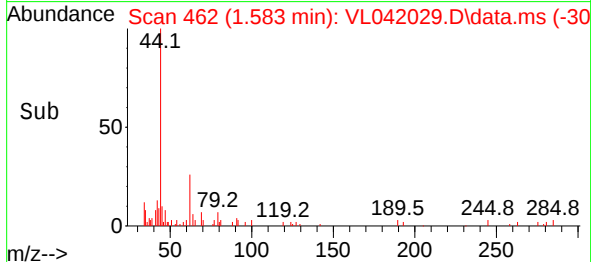
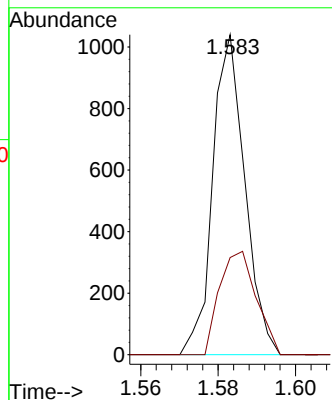
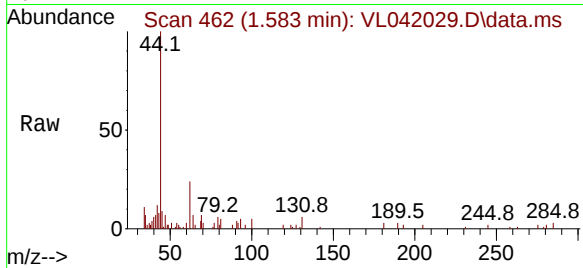




#5
 Vinyl Chloride
 Concen: 0.082 ppbv
 RT: 1.583 min Scan# 462
 Delta R.T. -0.003 min
 Lab File: VL042029.D
 Acq: 17 Feb 2025 14:19

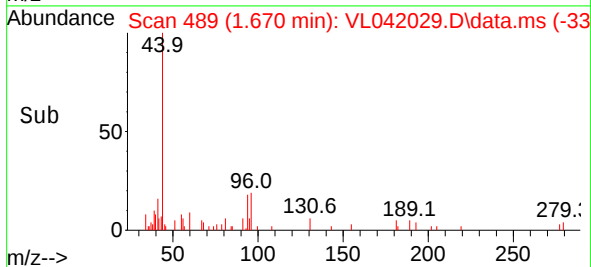
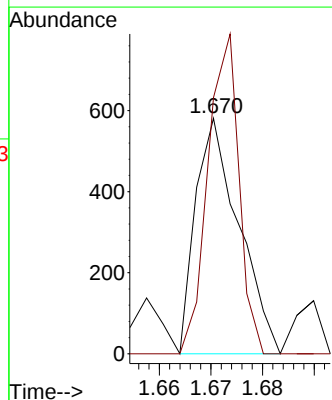
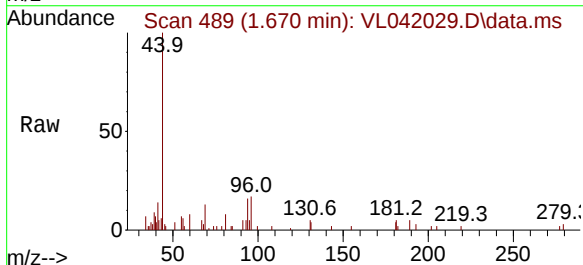
Instrument :
 MSVOA_L
 ClientSampleId :

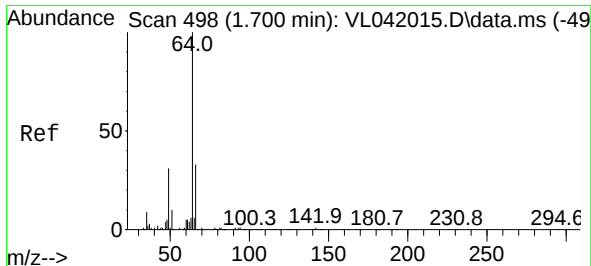
Tgt Ion: 62 Resp: 599
 Ion Ratio Lower Upper
 62 100
 64 30.4 24.4 36.6



#6
 Bromomethane
 Concen: 0.119 ppbv
 RT: 1.670 min Scan# 489
 Delta R.T. -0.003 min
 Lab File: VL042029.D
 Acq: 17 Feb 2025 14:19

Tgt Ion: 94 Resp: 338
 Ion Ratio Lower Upper
 94 100
 96 108.8 69.0 103.6#

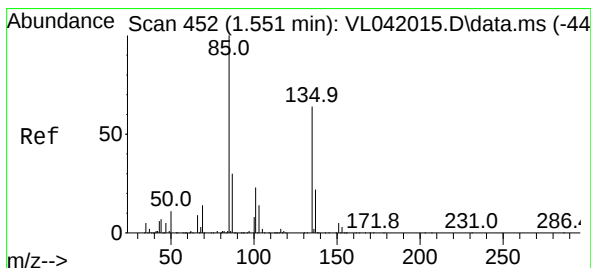
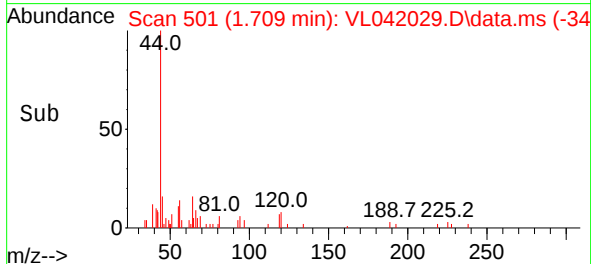
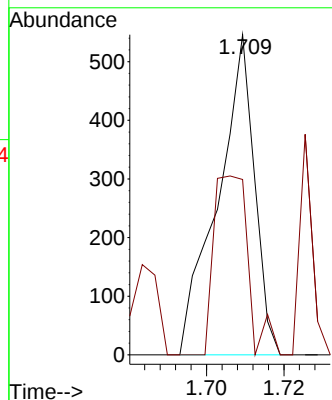
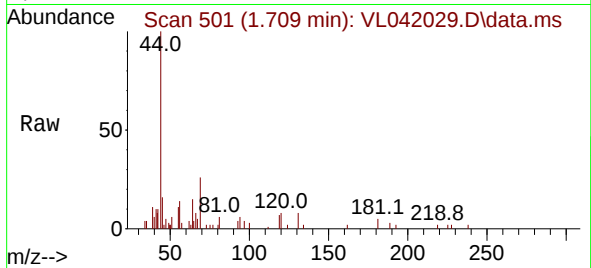




#7
Chloroethane
Concen: 0.151 ppbv
RT: 1.709 min Scan# 501
Delta R.T. 0.000 min
Lab File: VL042029.D
Acq: 17 Feb 2025 14:19

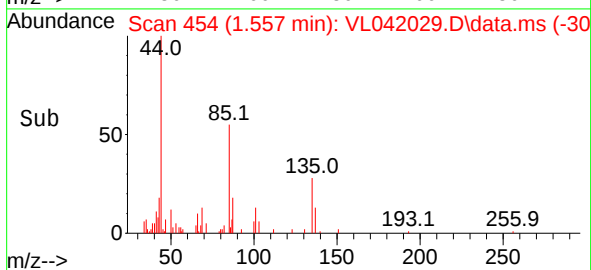
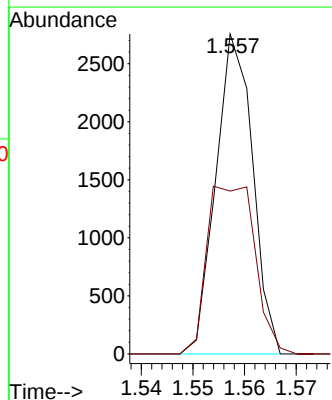
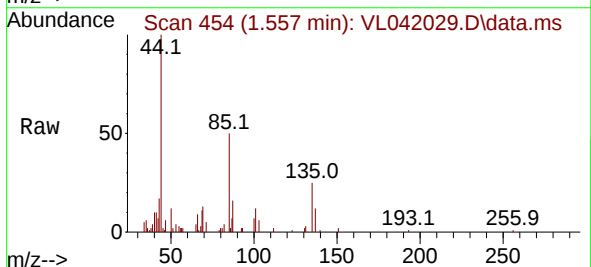
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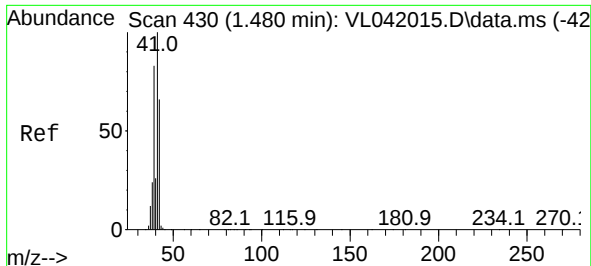
Tgt Ion: 64 Resp: 359
Ion Ratio Lower Upper
64 100
66 42.1 26.5 39.7#



#8
Dichlorotetrafluoroethane
Concen: 0.099 ppbv
RT: 1.557 min Scan# 454
Delta R.T. -0.003 min
Lab File: VL042029.D
Acq: 17 Feb 2025 14:19

Tgt Ion: 85 Resp: 1366
Ion Ratio Lower Upper
85 100
135 68.7 50.9 76.3





#9

Propene

Concen: 0.188 ppbv

RT: 1.486 min Scan# 41

Delta R.T. -0.003 min

Lab File: VL042029.D

Acq: 17 Feb 2025 14:19

Instrument :

MSVOA_L

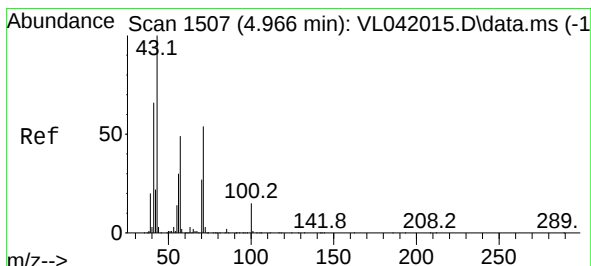
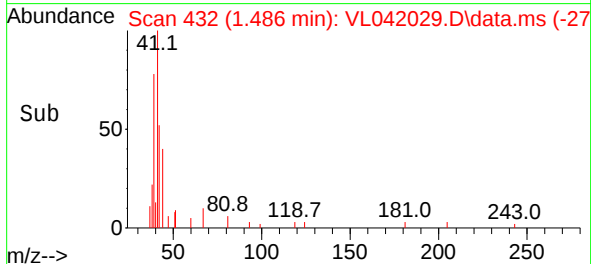
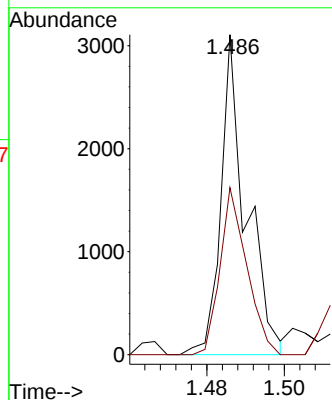
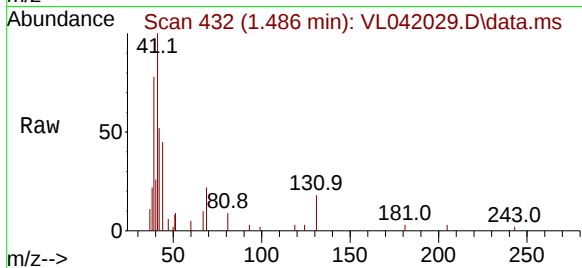
ClientSampleId :

Tgt Ion: 41 Resp: 1407

Ion Ratio Lower Upper

41 100

42 55.5 53.5 80.3



#10

Heptane

Concen: 0.087 ppbv

RT: 5.001 min Scan# 1518

Delta R.T. -0.003 min

Lab File: VL042029.D

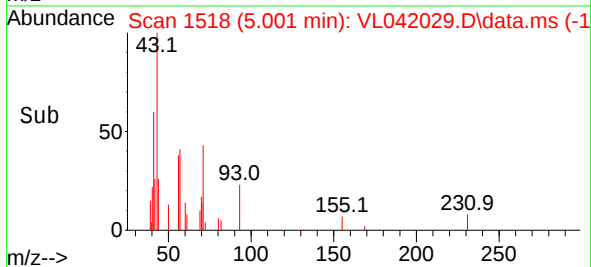
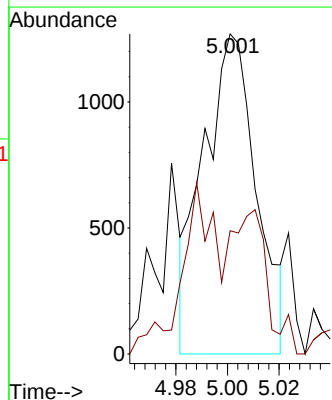
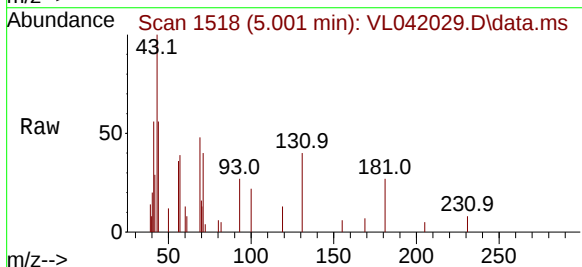
Acq: 17 Feb 2025 14:19

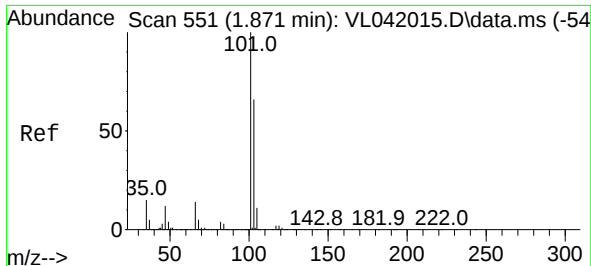
Tgt Ion: 43 Resp: 1816

Ion Ratio Lower Upper

43 100

57 0.0 41.0 61.6#





#11

Trichlorofluoromethane

Concen: 0.099 ppbv

RT: 2.143 min Scan# 61

Delta R.T. 0.259 min

Lab File: VL042029.D

Acq: 17 Feb 2025 14:19

Instrument :

MSVOA_L

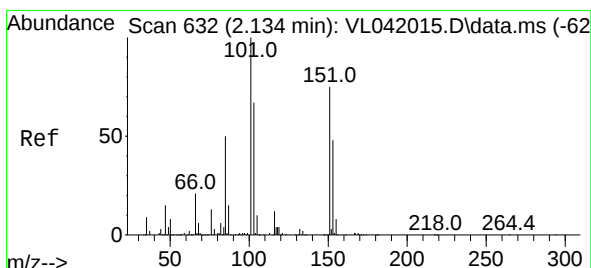
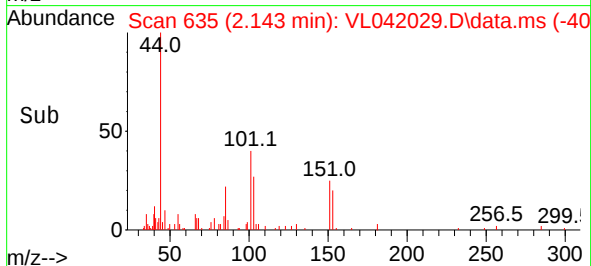
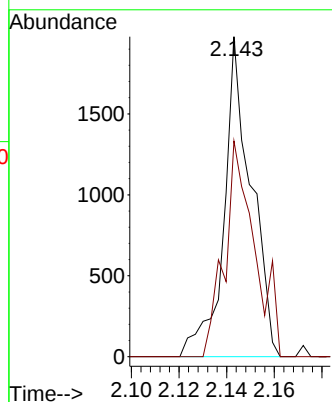
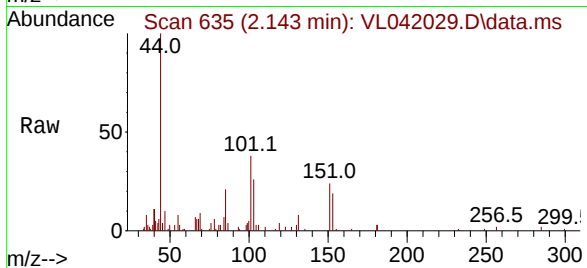
ClientSampleId :

Tgt Ion:101 Resp: 1569

Ion Ratio Lower Upper

101 100

103 67.4 52.9 79.3



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.127 ppbv

RT: 2.143 min Scan# 635

Delta R.T. -0.006 min

Lab File: VL042029.D

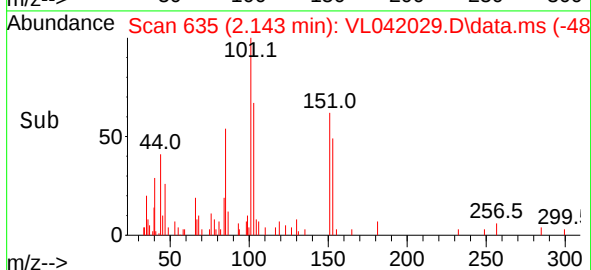
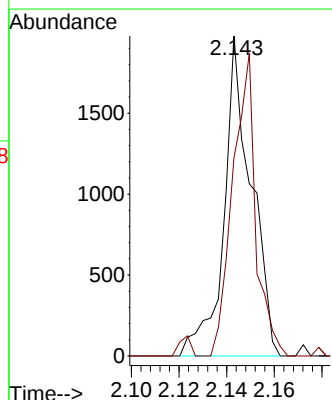
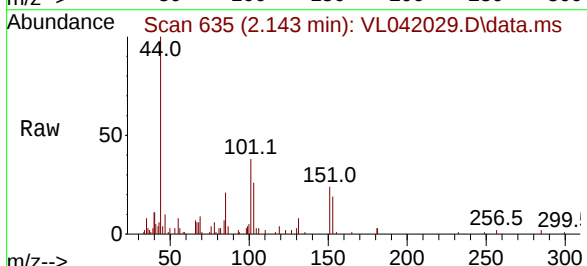
Acq: 17 Feb 2025 14:19

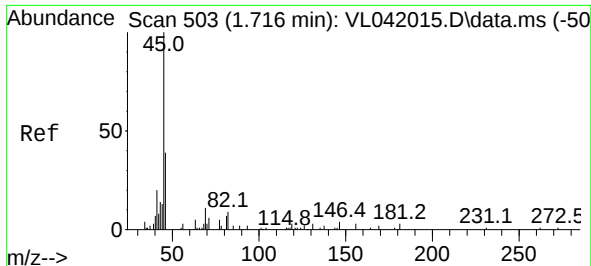
Tgt Ion:101 Resp: 1569

Ion Ratio Lower Upper

101 100

151 83.2 58.2 87.2





#13

Ethanol

Concen: 114.879 ppbv

RT: 1.434 min Scan# 416

Delta R.T. -0.294 min

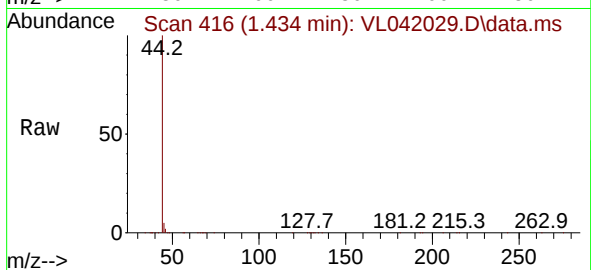
Lab File: VL042029.D

Acq: 17 Feb 2025 14:19

Instrument :

MSVOA_L

ClientSampleId :

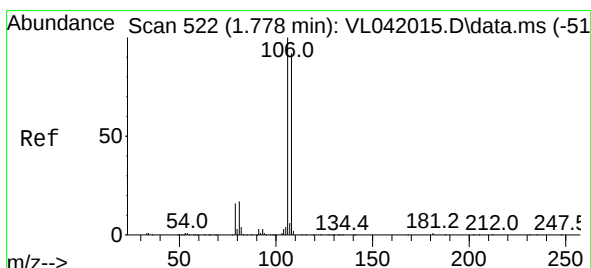
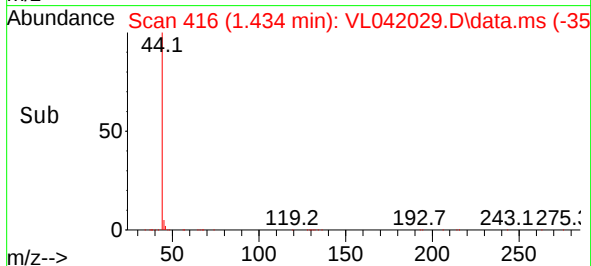
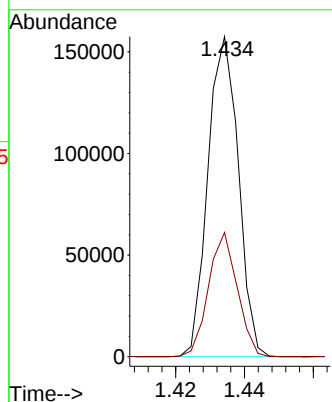


Tgt Ion: 45 Resp: 96974

Ion Ratio Lower Upper

45 100

46 36.6 21.3 85.1



#14

Bromoethene

Concen: 0.085 ppbv

RT: 1.784 min Scan# 524

Delta R.T. -0.003 min

Lab File: VL042029.D

Acq: 17 Feb 2025 14:19

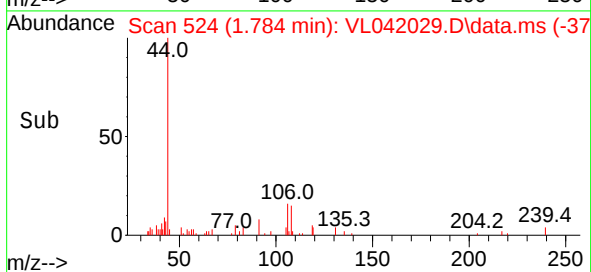
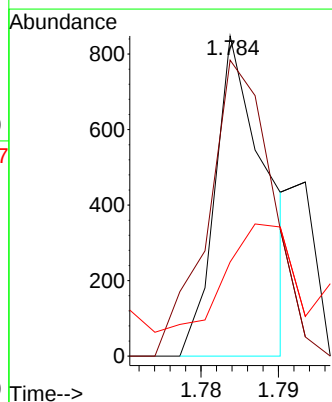
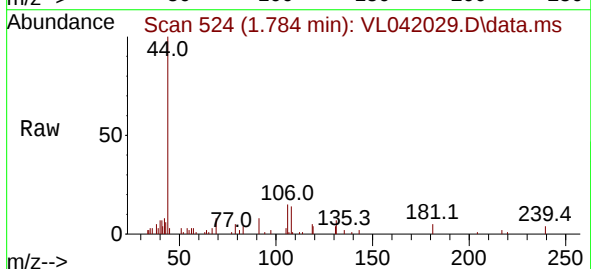
Tgt Ion: 108 Resp: 390

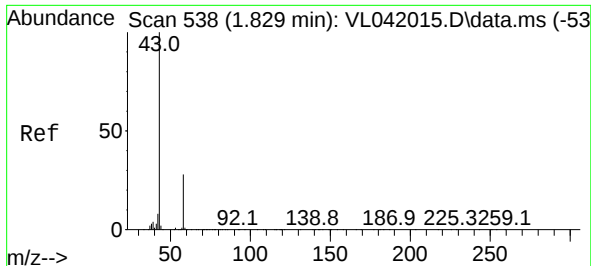
Ion Ratio Lower Upper

108 100

106 124.4 85.0 127.6

79 42.8 17.3 25.9#

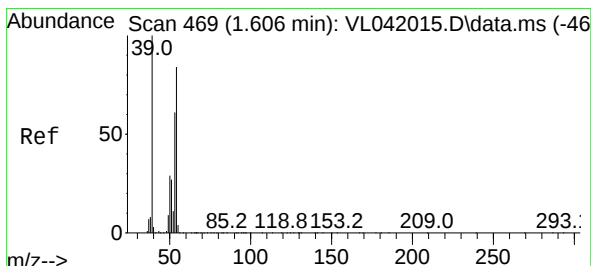
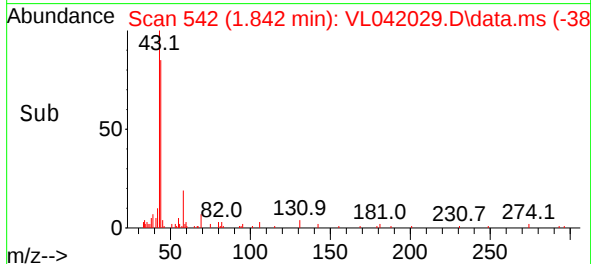
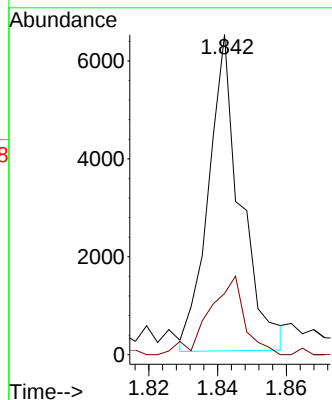
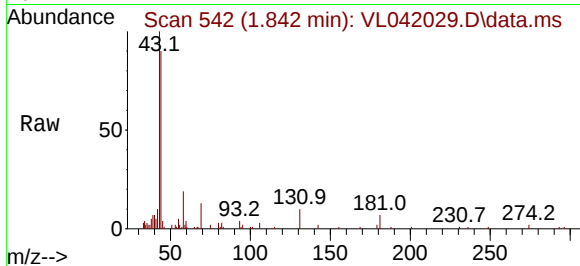




#15
Acetone
Concen: 0.278 ppbv
RT: 1.842 min Scan# 541
Delta R.T. 0.000 min
Lab File: VL042029.D
Acq: 17 Feb 2025 14:19

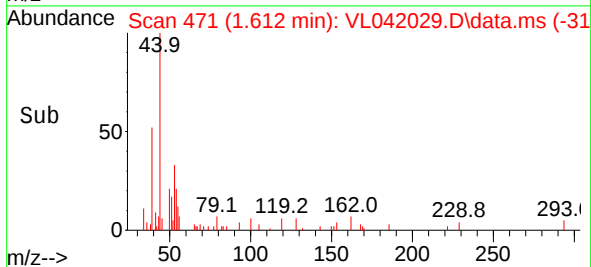
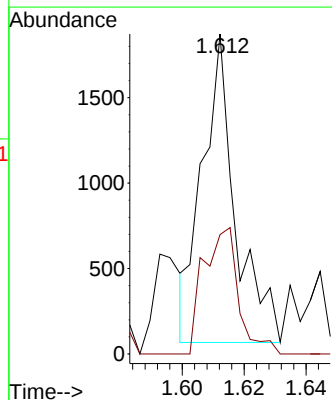
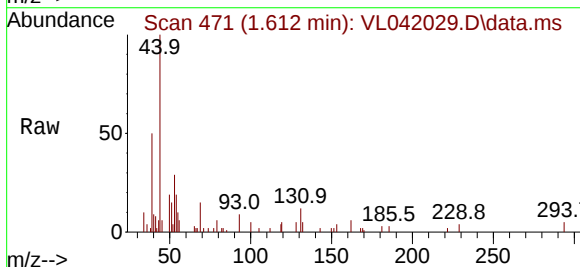
Instrument :
MSVOA_L
ClientSampleId :

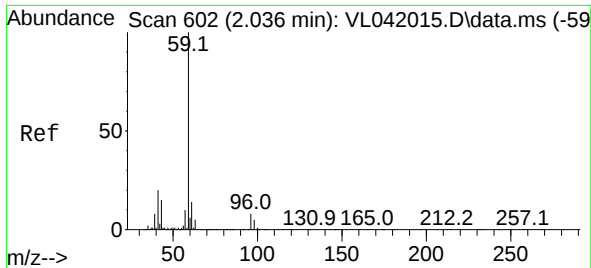
Tgt Ion: 43 Resp: 4189
Ion Ratio Lower Upper
43 100
58 29.1 22.9 34.3



#16
1,3-Butadiene
Concen: 0.187 ppbv
RT: 1.612 min Scan# 471
Delta R.T. -0.003 min
Lab File: VL042029.D
Acq: 17 Feb 2025 14:19

Tgt Ion: 39 Resp: 1334
Ion Ratio Lower Upper
39 100
54 47.5 59.4 89.2#

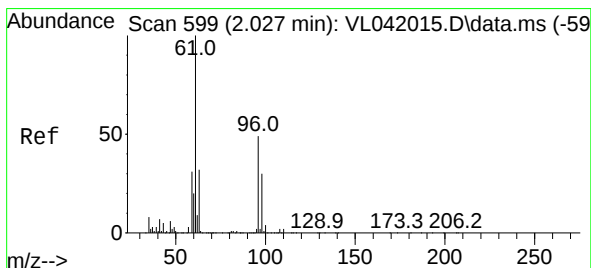
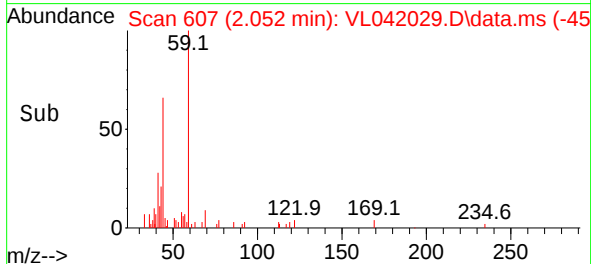
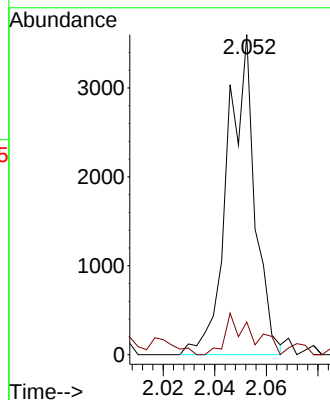
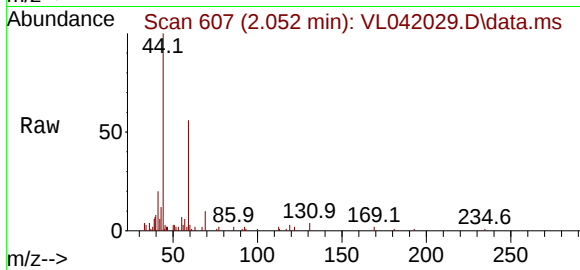




#17
tert-Butyl alcohol
Concen: 0.143 ppbv
RT: 2.052 min Scan# 602
Delta R.T. 0.004 min
Lab File: VL042029.D
Acq: 17 Feb 2025 14:19

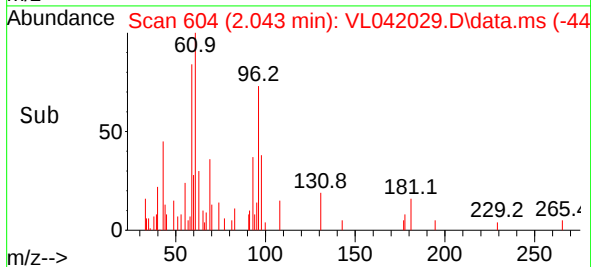
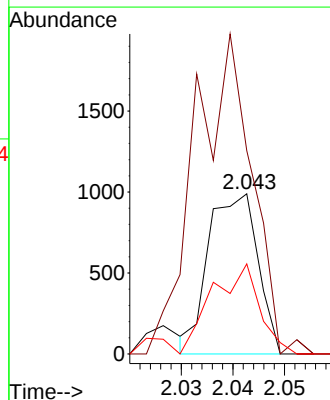
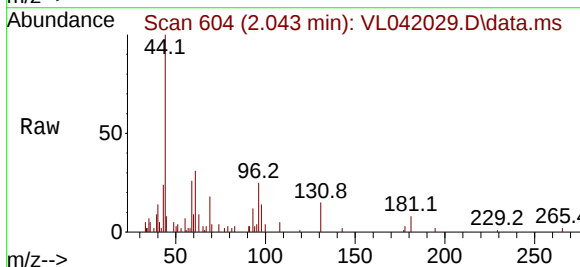
Instrument :
MSVOA_L
ClientSampleId :

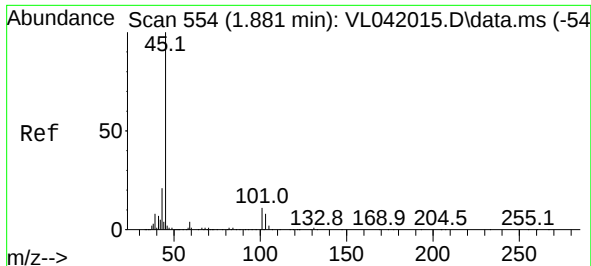
Tgt Ion: 59 Resp: 2661
Ion Ratio Lower Upper
59 100
57 14.8 9.2 13.8#



#18
1,1-Dichloroethene
Concen: 0.111 ppbv
RT: 2.043 min Scan# 604
Delta R.T. 0.000 min
Lab File: VL042029.D
Acq: 17 Feb 2025 14:19

Tgt Ion: 96 Resp: 655
Ion Ratio Lower Upper
96 100
61 127.0 163.5 245.3#
98 56.2 49.4 74.0





#19

Isopropyl Alcohol

Concen: 11.486 ppbv

RT: 1.434 min Scan# 416

Delta R.T. -0.459 min

Lab File: VL042029.D

Acq: 17 Feb 2025 14:19

Instrument :

MSVOA_L

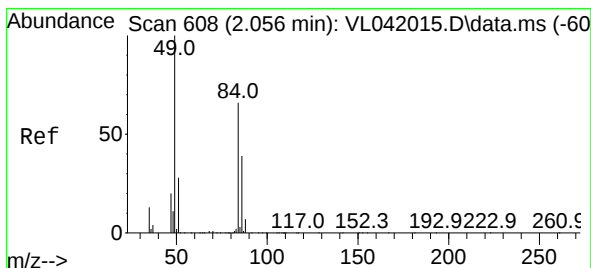
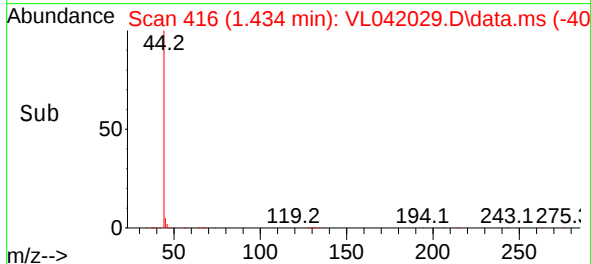
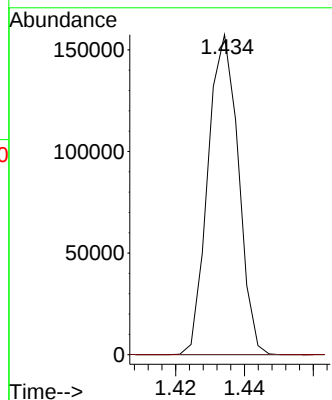
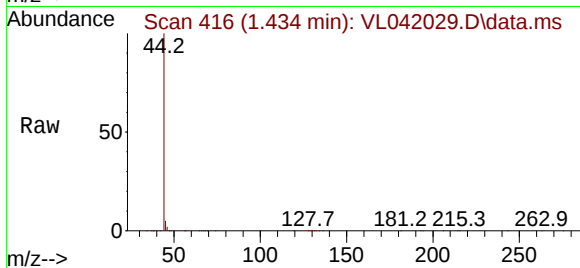
ClientSampleId :

Tgt Ion: 45 Resp: 96974

Ion Ratio Lower Upper

45 100

58 0.1 36.2 54.4#



#20

Methylene Chloride

Concen: 0.514 ppbv

RT: 2.069 min Scan# 612

Delta R.T. 0.000 min

Lab File: VL042029.D

Acq: 17 Feb 2025 14:19

Tgt Ion: 84 Resp: 2913

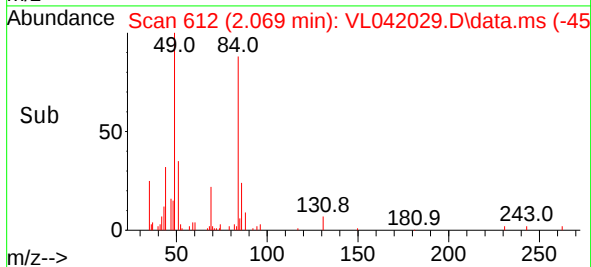
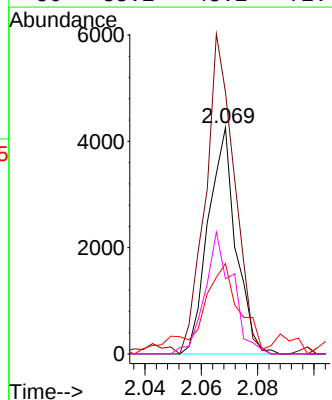
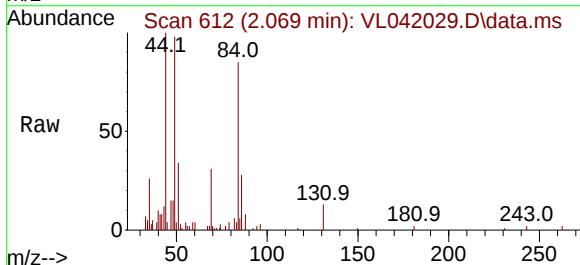
Ion Ratio Lower Upper

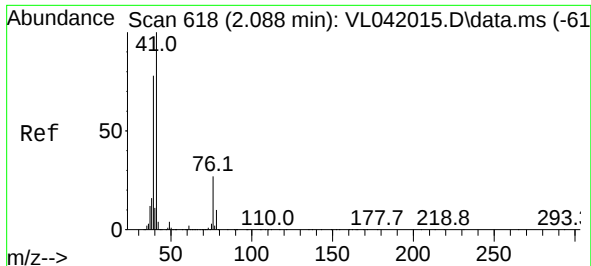
84 100

49 115.7 121.0 181.4#

51 32.3 35.1 52.7#

86 33.2 48.2 72.4#





#21

Allyl Chloride

Concen: 0.137 ppbv

RT: 2.101 min Scan# 61

Delta R.T. -0.003 min

Lab File: VL042029.D

Acq: 17 Feb 2025 14:19

Instrument :

MSVOA_L

ClientSampleId :

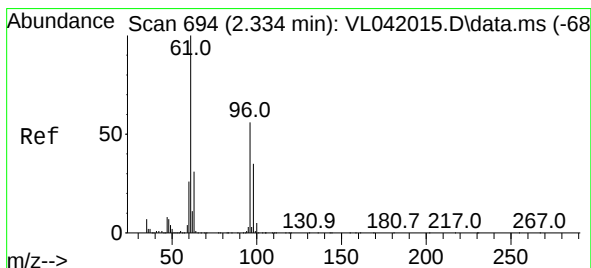
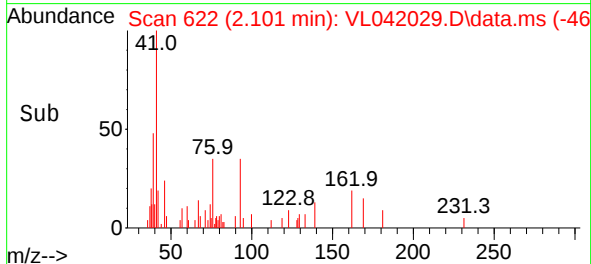
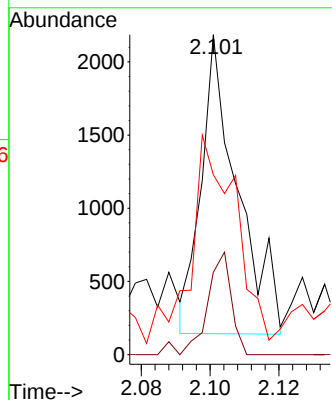
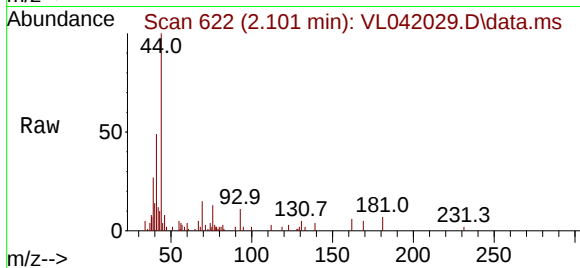
Tgt Ion: 41 Resp: 1498

Ion Ratio Lower Upper

41 100

76 23.2 23.7 35.5#

39 75.6 63.0 94.6



#22

trans-1,2-Dichloroethene

Concen: 0.013 ppbv

RT: 2.026 min Scan# 599

Delta R.T. -0.323 min

Lab File: VL042029.D

Acq: 17 Feb 2025 14:19

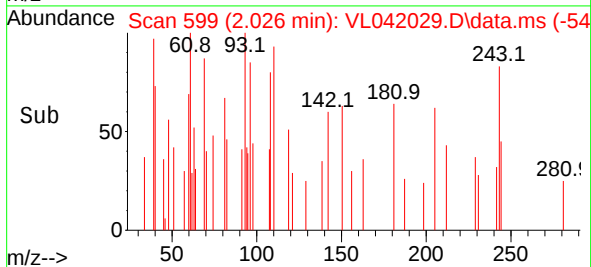
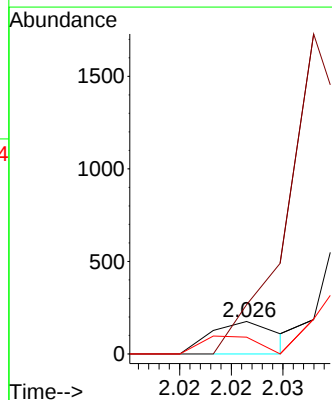
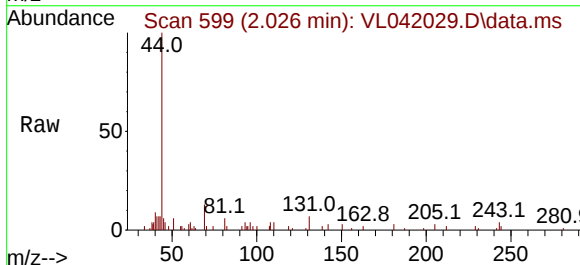
Tgt Ion: 96 Resp: 80

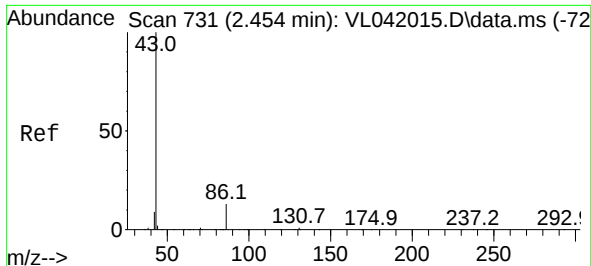
Ion Ratio Lower Upper

96 100

61 152.0 142.3 213.5

98 52.0 50.2 75.2

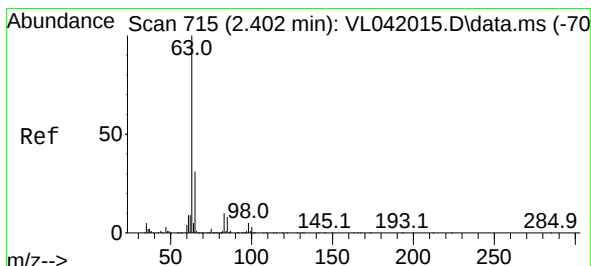
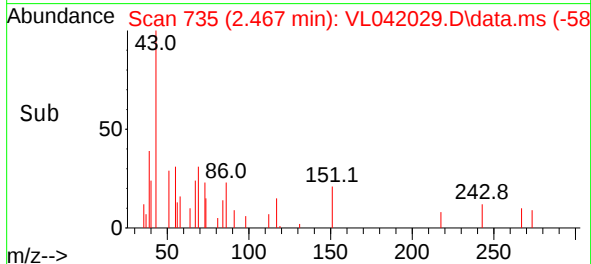
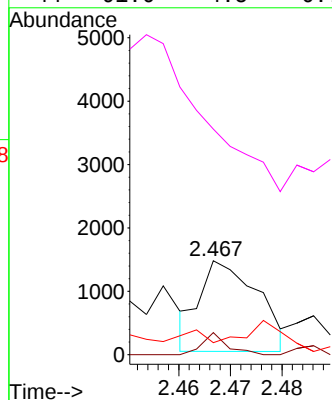
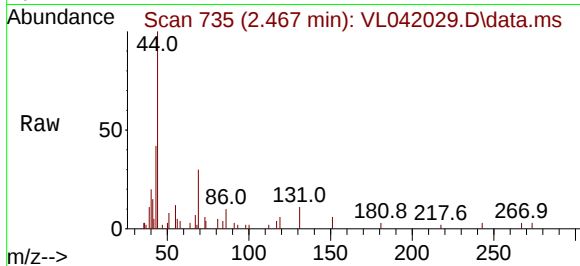




#23
 Vinyl Acetate
 Concen: 0.136 ppbv
 RT: 2.467 min Scan# 710
 Delta R.T. -0.006 min
 Lab File: VL042029.D
 Acq: 17 Feb 2025 14:19

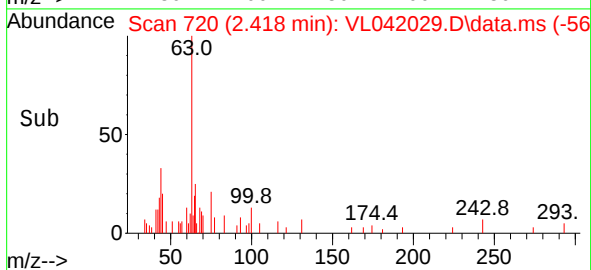
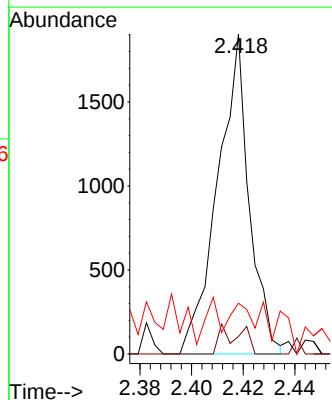
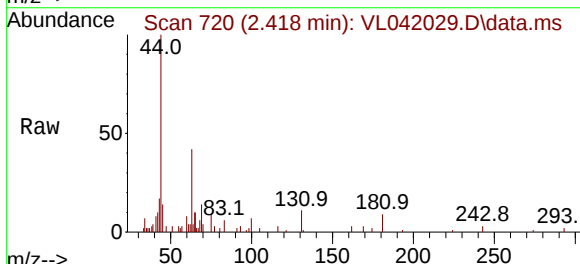
Instrument :
 MSVOA_L
 ClientSampleId :

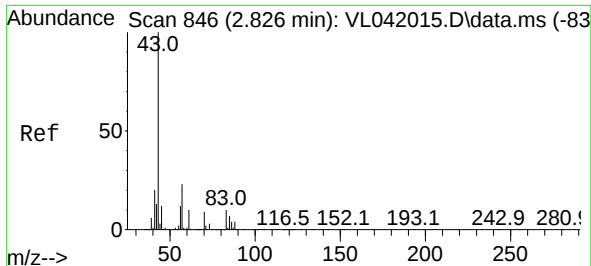
Tgt	Ion: 43	Resp:	1109
Ion	Ratio	Lower	Upper
43	100		
86	32.3	8.1	12.1#
42	0.0	7.5	11.3#
44	91.6	4.5	6.7#



#24
 1,1-Dichloroethane
 Concen: 0.125 ppbv
 RT: 2.418 min Scan# 720
 Delta R.T. 0.000 min
 Lab File: VL042029.D
 Acq: 17 Feb 2025 14:19

Tgt Ion: 63	Resp: 1616
Ion Ratio	Lower Upper
63 100	
98 5.0	2.4 7.2
100 8.5	1.6 4.8#





#25

Ethyl Acetate

Concen: 0.055 ppbv

RT: 2.852 min Scan# 848

Delta R.T. 0.004 min

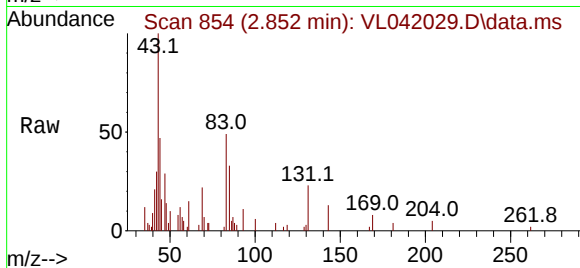
Lab File: VL042029.D

Acq: 17 Feb 2025 14:19

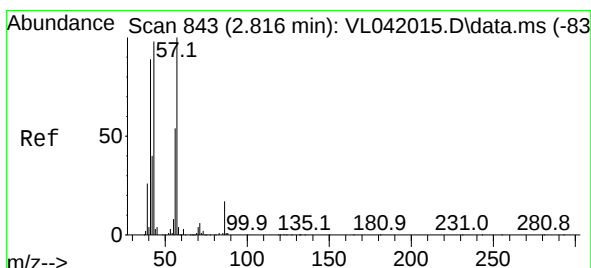
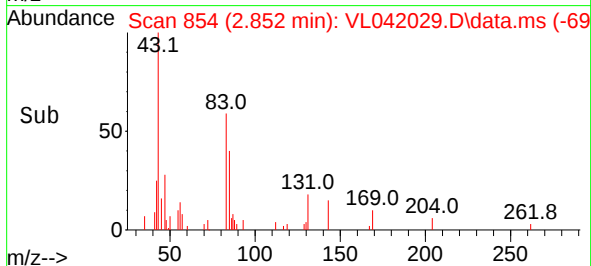
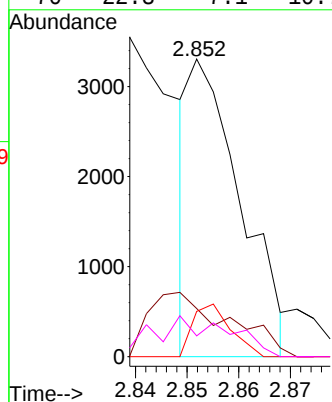
Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion:	43	Resp:	2265
Ion Ratio	100	Lower	Upper
45	33.8	8.1	12.1#
61	13.6	7.5	11.3#
70	22.3	7.1	10.7#



#26

Hexane

Concen: 0.350 ppbv

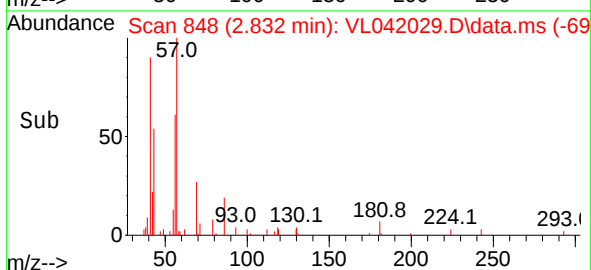
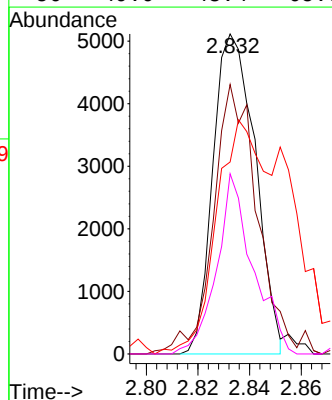
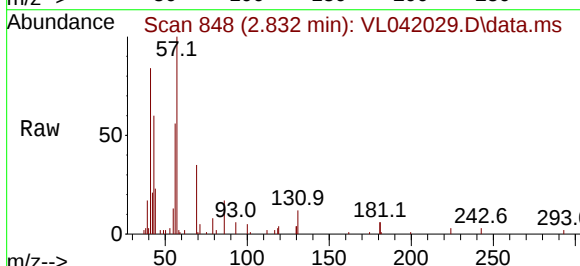
RT: 2.832 min Scan# 848

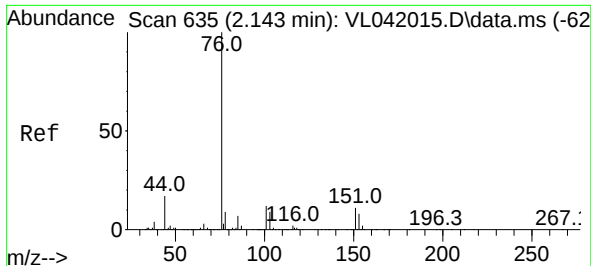
Delta R.T. -0.006 min

Lab File: VL042029.D

Acq: 17 Feb 2025 14:19

Tgt Ion:	57	Resp:	5804
Ion Ratio	100	Lower	Upper
41	93.9	73.2	109.8
43	134.5	200.8	301.2#
56	49.9	43.4	65.0





#27

Carbon Disulfide

Concen: 0.106 ppbv

RT: 2.156 min Scan# 61

Delta R.T. -0.003 min

Lab File: VL042029.D

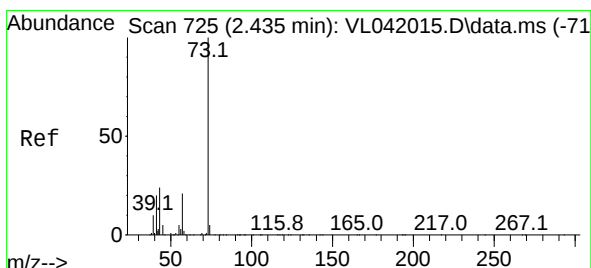
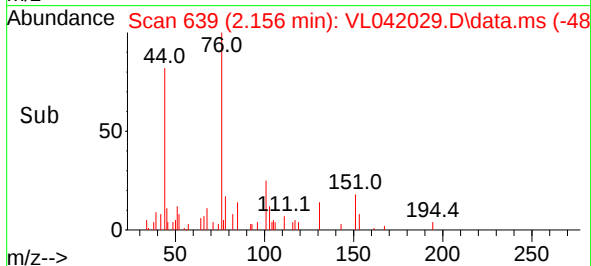
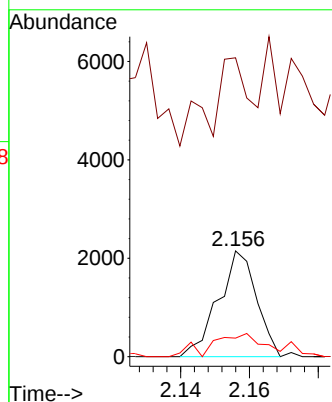
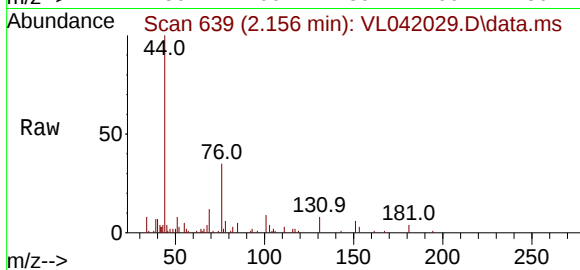
Acq: 17 Feb 2025 14:19

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:	76	Resp:	1652
Ion Ratio	Lower	Upper	
76	100		
44	460.7	18.1	27.1#
78	34.9	9.5	14.3#



#28

Methyl tert-Butyl Ether

Concen: 0.073 ppbv

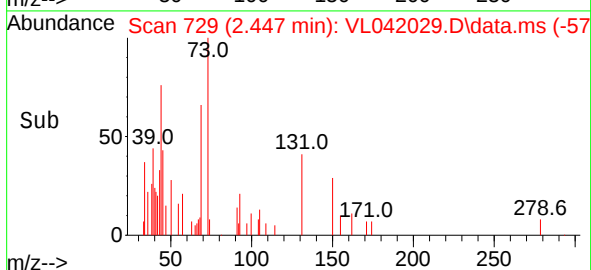
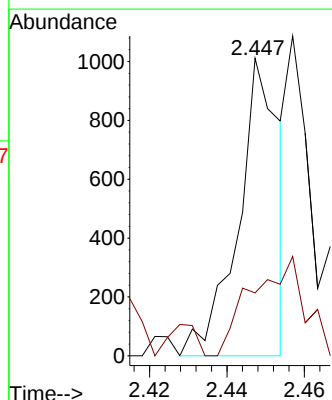
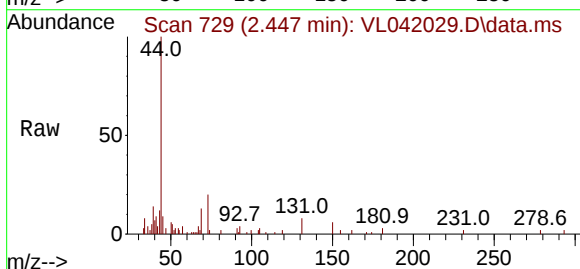
RT: 2.447 min Scan# 729

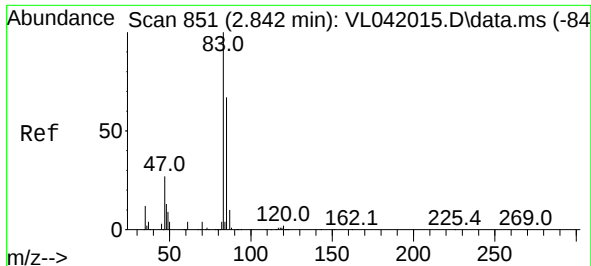
Delta R.T. -0.006 min

Lab File: VL042029.D

Acq: 17 Feb 2025 14:19

Tgt Ion:	73	Resp:	738
Ion Ratio	Lower	Upper	
73	100		
57	0.0	18.3	27.5#





#29

Chloroform

Concen: 0.105 ppbv

RT: 2.858 min Scan# 851

Delta R.T. -0.003 min

Lab File: VL042029.D

Acq: 17 Feb 2025 14:19

Instrument :

MSVOA_L

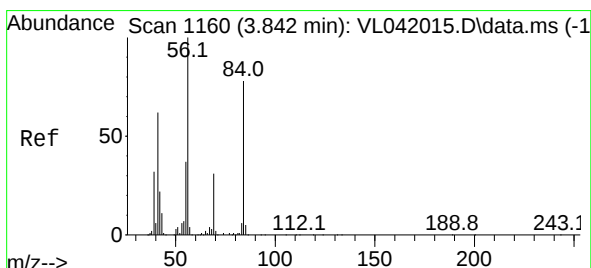
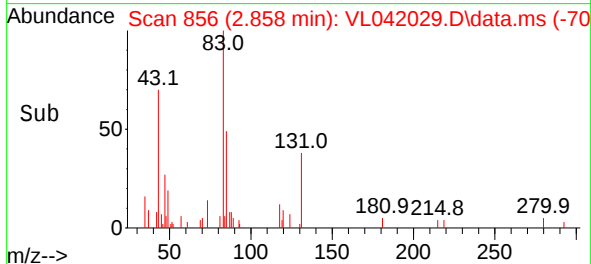
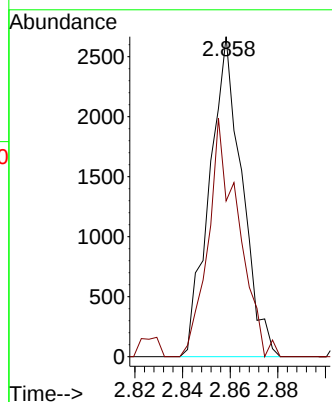
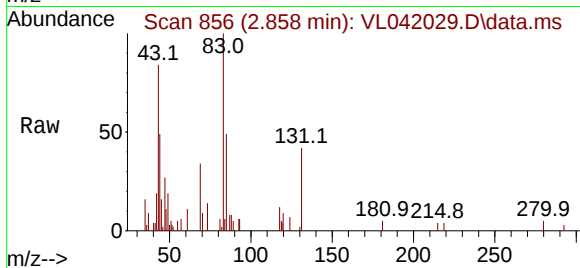
ClientSampleId :

Tgt Ion: 83 Resp: 2529

Ion Ratio Lower Upper

83 100

85 48.6 53.8 80.6#



#30

Cyclohexane

Concen: 0.036 ppbv

RT: 3.868 min Scan# 1168

Delta R.T. -0.006 min

Lab File: VL042029.D

Acq: 17 Feb 2025 14:19

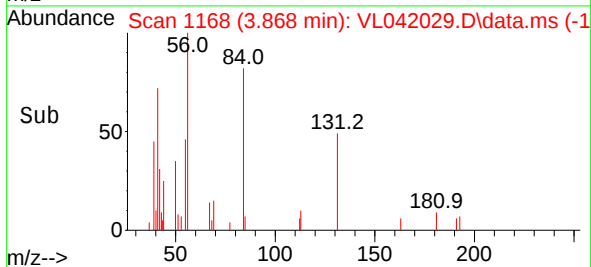
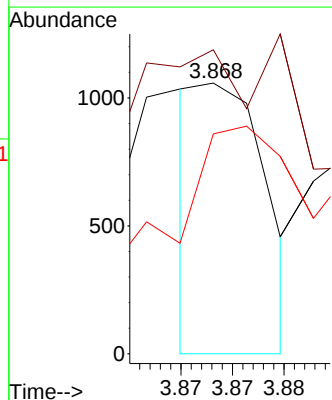
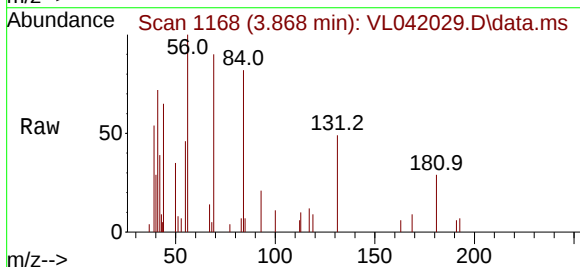
Tgt Ion: 84 Resp: 485

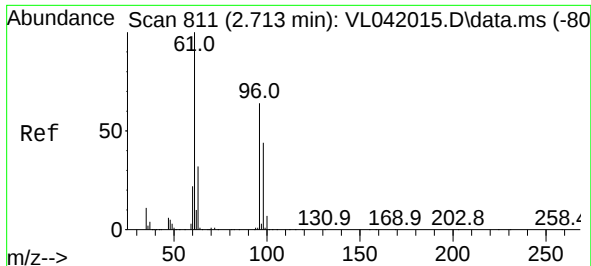
Ion Ratio Lower Upper

84 100

56 0.0 99.5 149.3#

41 382.9 62.2 93.2#

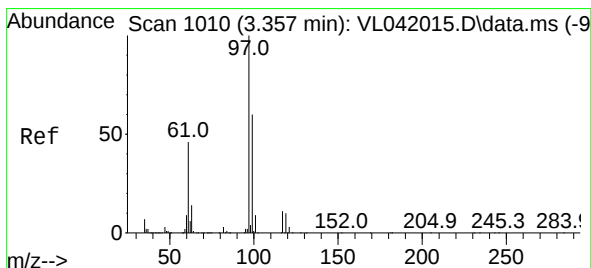
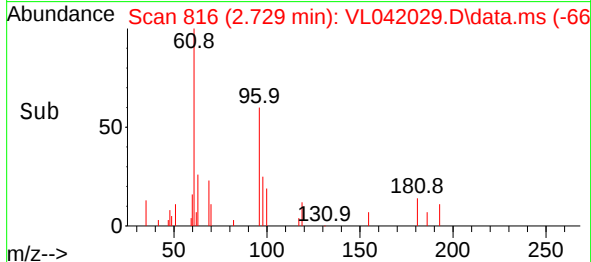
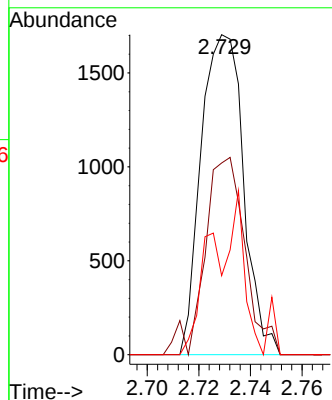
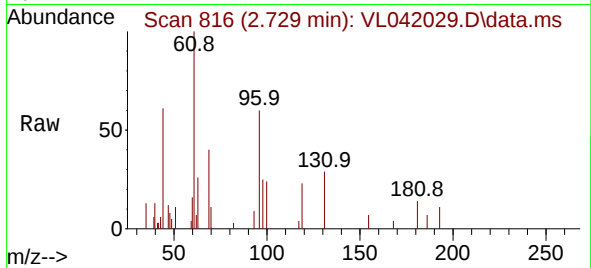




#31
 cis-1,2-Dichloroethene
 Concen: 0.119 ppbv
 RT: 2.729 min Scan# 811
 Delta R.T. -0.003 min
 Lab File: VL042029.D
 Acq: 17 Feb 2025 14:19

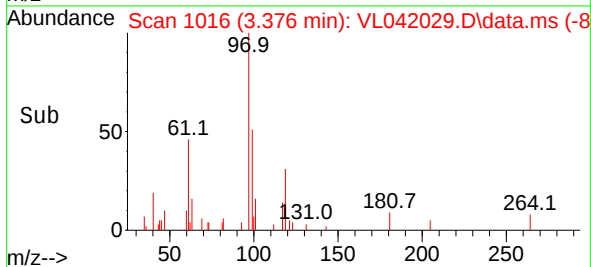
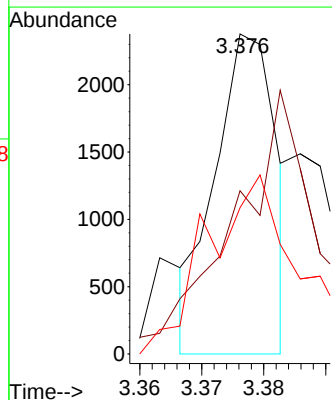
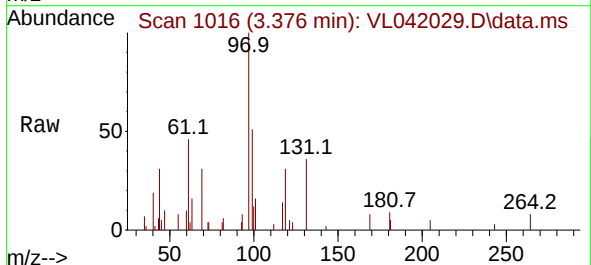
Instrument :
 MSVOA_L
 ClientSampleId :

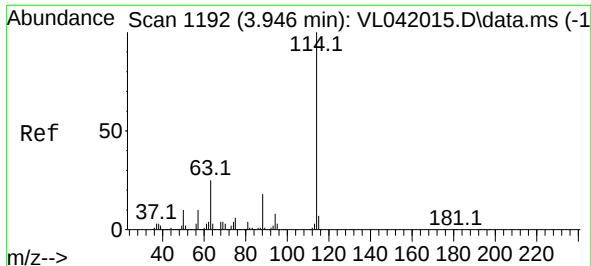
Tgt Ion: 61 Resp: 1946
 Ion Ratio Lower Upper
 61 100
 96 59.9 51.6 77.4
 98 24.7 34.8 52.2#



#32
 1,1,1-Trichloroethane
 Concen: 0.061 ppbv
 RT: 3.376 min Scan# 1016
 Delta R.T. -0.006 min
 Lab File: VL042029.D
 Acq: 17 Feb 2025 14:19

Tgt Ion: 97 Resp: 1635
 Ion Ratio Lower Upper
 97 100
 99 0.0 51.0 76.4#
 61 91.9 37.9 56.9#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.975 min Scan# 11

Delta R.T. -0.003 min

Lab File: VL042029.D

Acq: 17 Feb 2025 14:19

Instrument :

MSVOA_L

ClientSampleId :

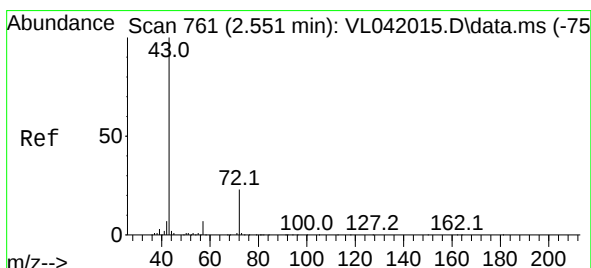
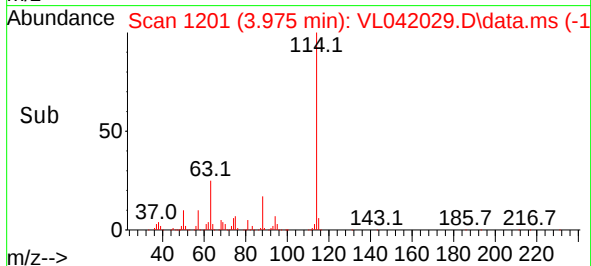
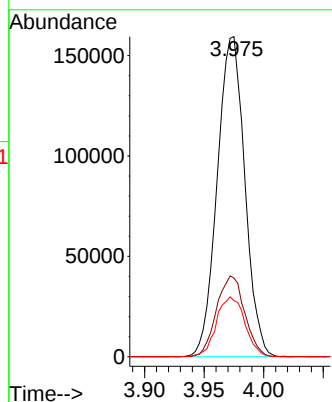
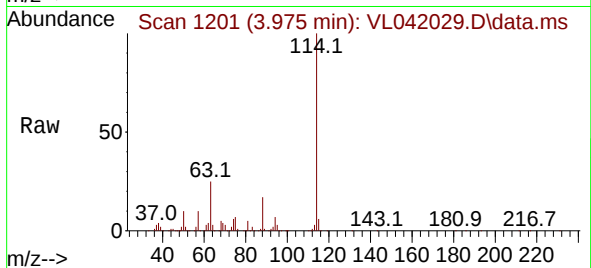
Tgt Ion:114 Resp: 256396

Ion Ratio Lower Upper

114 100

63 25.8 20.2 30.2

88 19.3 14.4 21.6



#34

2-Butanone

Concen: 0.120 ppbv

RT: 2.577 min Scan# 769

Delta R.T. 0.007 min

Lab File: VL042029.D

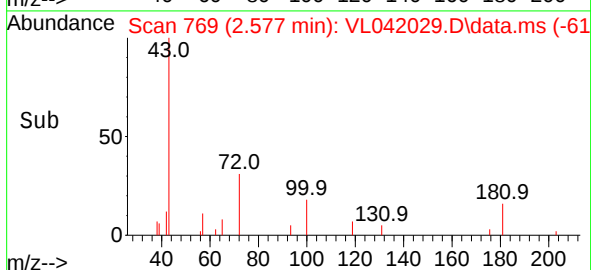
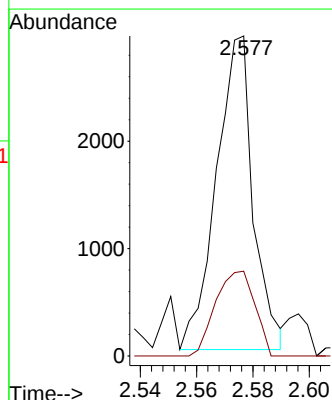
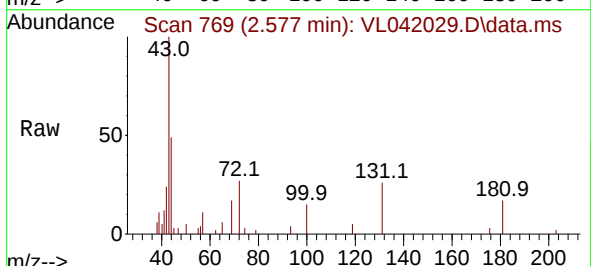
Acq: 17 Feb 2025 14:19

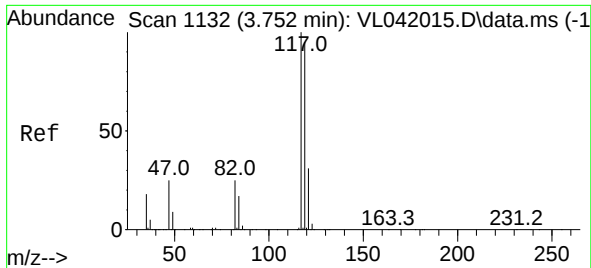
Tgt Ion: 43 Resp: 2645

Ion Ratio Lower Upper

43 100

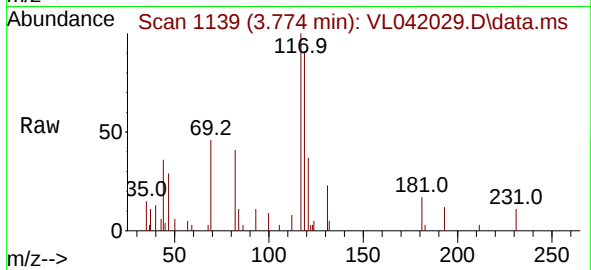
72 28.9 18.3 27.5#



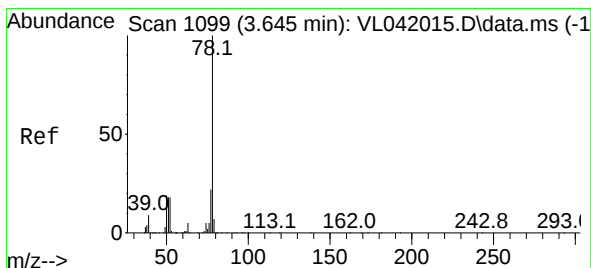
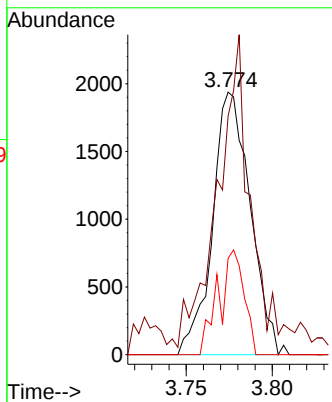
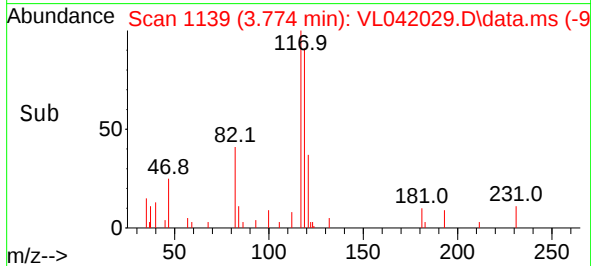


#35
Carbon Tetrachloride
Concen: 0.118 ppbv
RT: 3.774 min Scan# 1132
Delta R.T. -0.006 min
Lab File: VL042029.D
Acq: 17 Feb 2025 14:19

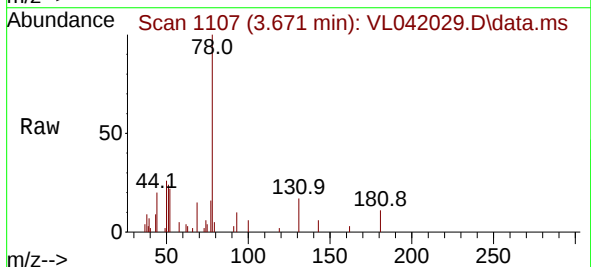
Instrument :
MSVOA_L
ClientSampleId :



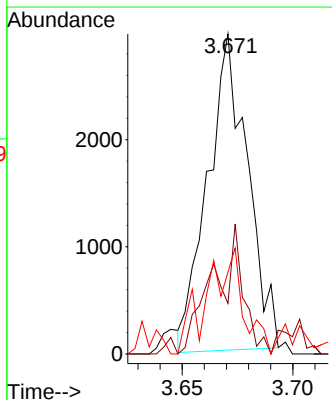
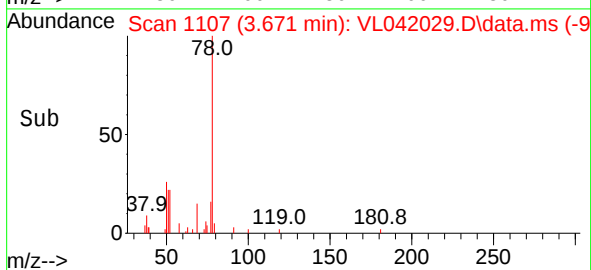
Tgt Ion:117 Resp: 2949
Ion Ratio Lower Upper
117 100
119 88.1 75.8 113.6
121 36.7 24.6 36.8

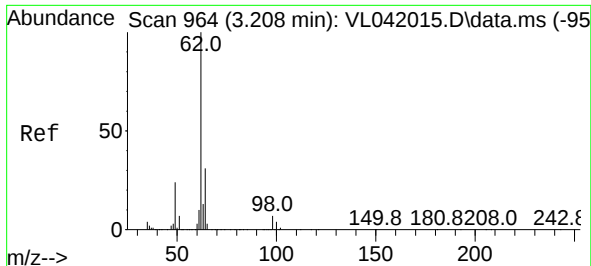


#36
Benzene
Concen: 0.119 ppbv
RT: 3.671 min Scan# 1107
Delta R.T. -0.003 min
Lab File: VL042029.D
Acq: 17 Feb 2025 14:19



Tgt Ion: 78 Resp: 3701
Ion Ratio Lower Upper
78 100
77 16.1 18.0 27.0#
50 26.0 15.2 22.8#





#37

1,2-Dichloroethane

Concen: 0.126 ppbv

RT: 3.224 min Scan# 9

Delta R.T. -0.009 min

Lab File: VL042029.D

Acq: 17 Feb 2025 14:19

Instrument :

MSVOA_L

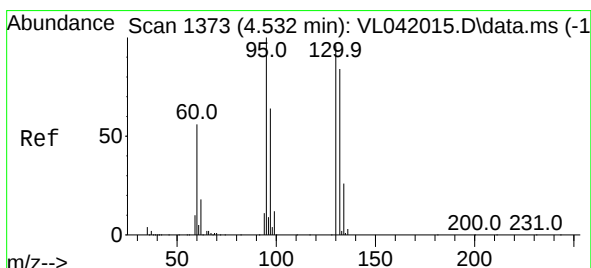
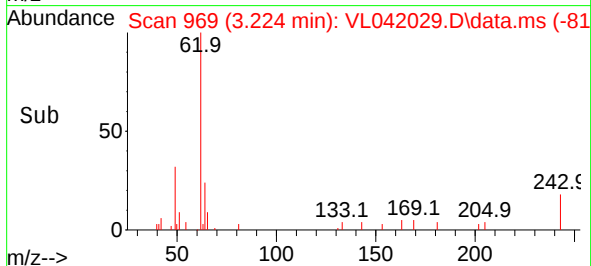
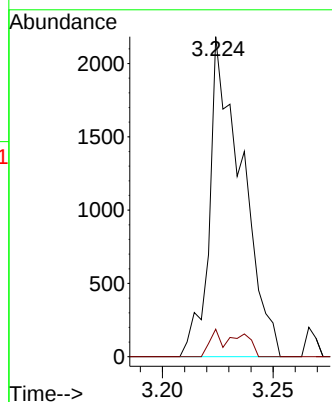
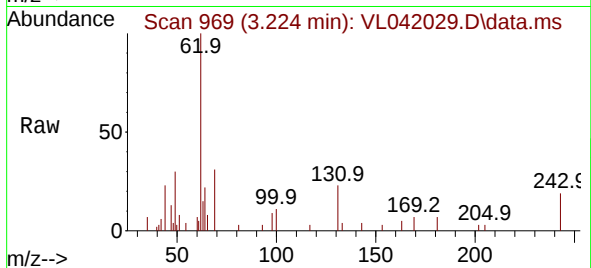
ClientSampleId :

Tgt Ion: 62 Resp: 2224

Ion Ratio Lower Upper

62 100

98 7.6 5.7 8.5



#38

Trichloroethene

Concen: 0.091 ppbv

RT: 4.567 min Scan# 1384

Delta R.T. 0.000 min

Lab File: VL042029.D

Acq: 17 Feb 2025 14:19

Tgt Ion:130 Resp: 1152

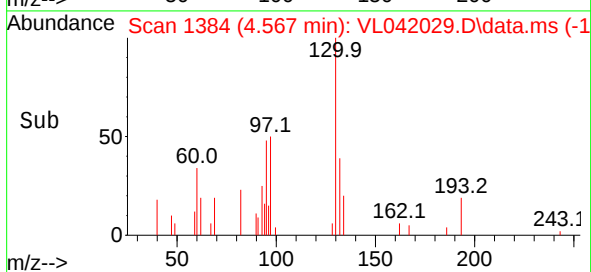
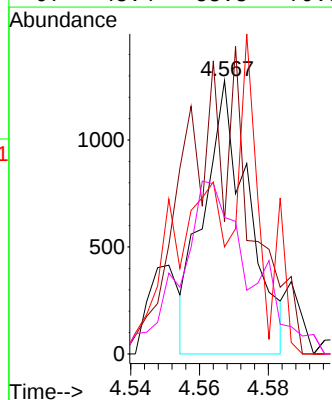
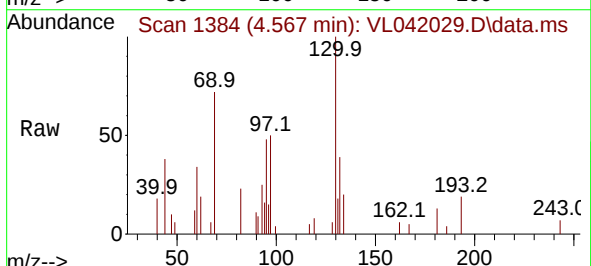
Ion Ratio Lower Upper

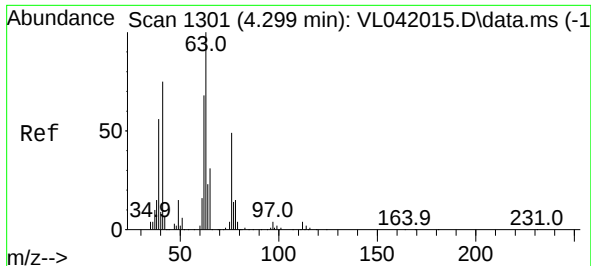
130 100

95 29.7 82.8 124.2#

132 9.8 70.0 105.0#

97 48.4 53.3 79.9#





#39

1,2-Dichloropropane

Concen: 5.807 ppbv

RT: 3.972 min Scan# 1401

Delta R.T. -0.362 min

Lab File: VL042029.D

Acq: 17 Feb 2025 14:19

Instrument :

MSVOA_L

ClientSampleId :

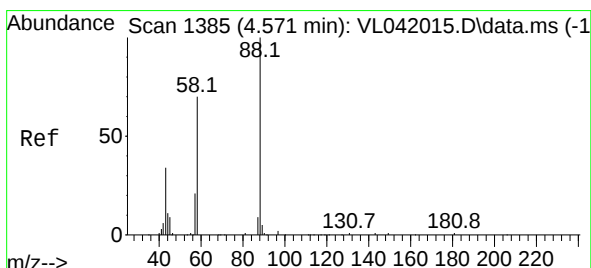
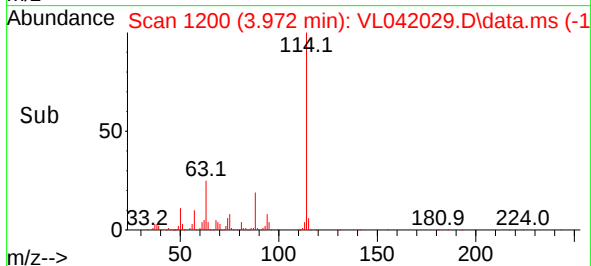
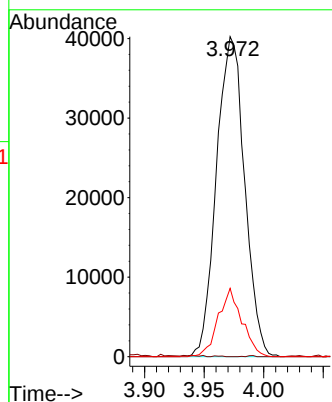
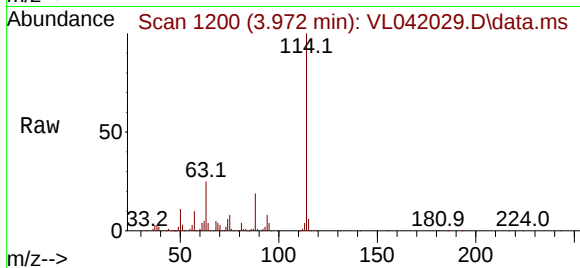
Tgt Ion: 63 Resp: 66126

Ion Ratio Lower Upper

63 100

41 0.0 60.1 90.1#

62 21.4 54.0 81.0#



#40

1,4-Dioxane

Concen: 0.047 ppbv

RT: 4.626 min Scan# 1402

Delta R.T. 0.016 min

Lab File: VL042029.D

Acq: 17 Feb 2025 14:19

Tgt Ion: 88 Resp: 276

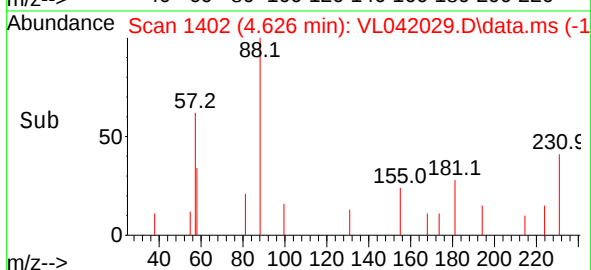
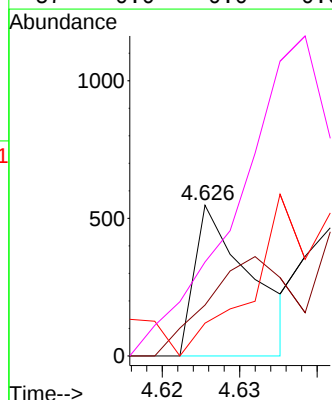
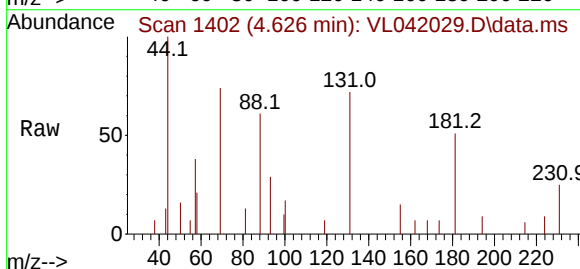
Ion Ratio Lower Upper

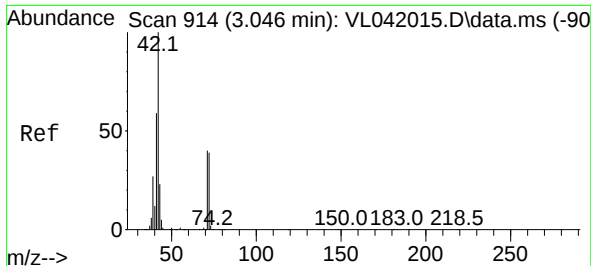
88 100

58 0.0 58.1 87.1#

43 61.6 27.3 40.9#

57 0.0 0.0 0.0





#41

Tetrahydrofuran

Concen: 0.004 ppbv

RT: 3.053 min Scan# 91

Delta R.T. -0.016 min

Lab File: VL042029.D

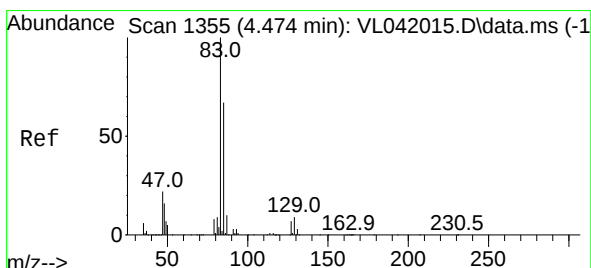
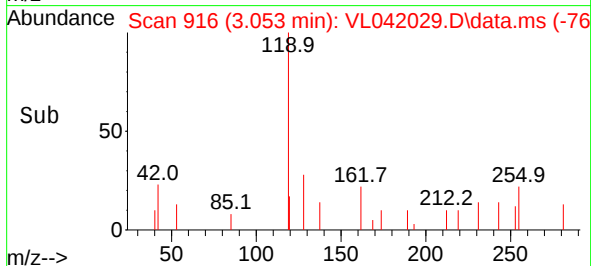
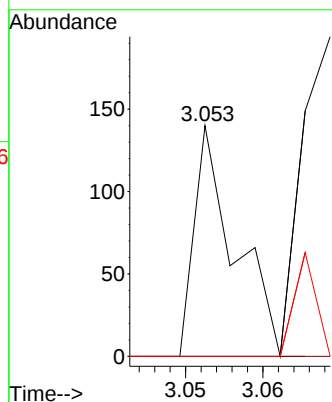
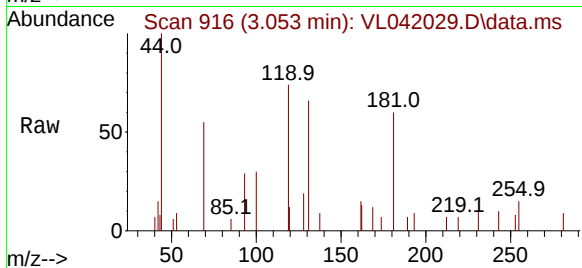
Acq: 17 Feb 2025 14:19

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:	42	Resp:	51
Ion Ratio	Lower	Upper	
42	100		
72	0.0	32.3	48.5#
71	0.0	30.9	46.3#



#42

Bromodichloromethane

Concen: 0.016 ppbv

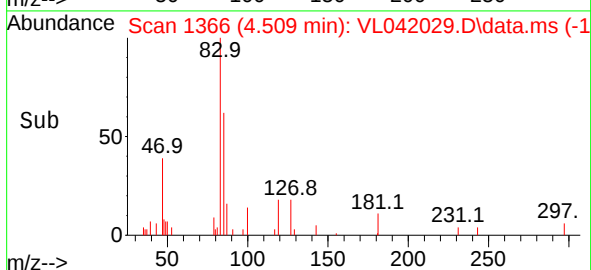
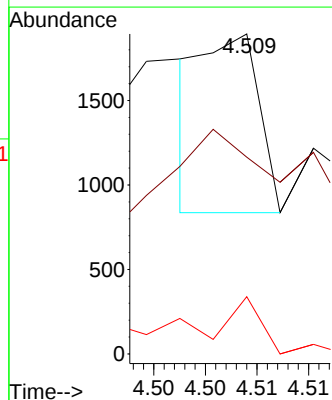
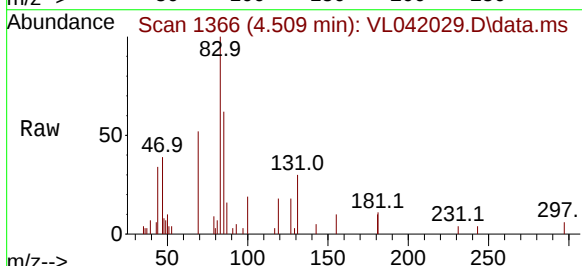
RT: 4.509 min Scan# 1366

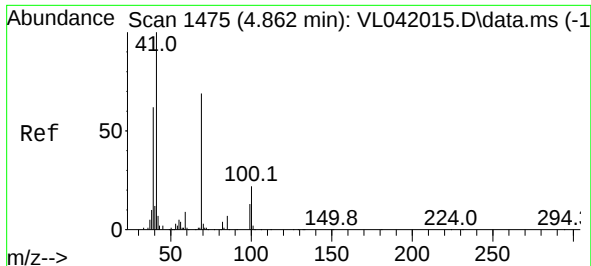
Delta R.T. -0.006 min

Lab File: VL042029.D

Acq: 17 Feb 2025 14:19

Tgt Ion:	83	Resp:	389
Ion Ratio	Lower	Upper	
83	100		
85	14.1	53.3	79.9#
127	32.0	6.0	9.0#





#43

Methyl Methacrylate

Concen: 0.025 ppbv

RT: 4.897 min Scan# 1475

Delta R.T. -0.006 min

Lab File: VL042029.D

Acq: 17 Feb 2025 14:19

Instrument :

MSVOA_L

ClientSampleId :

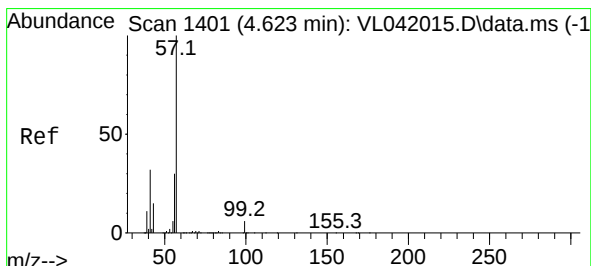
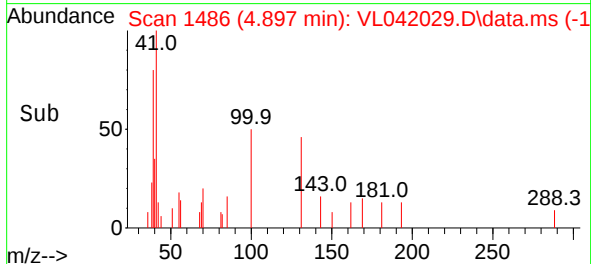
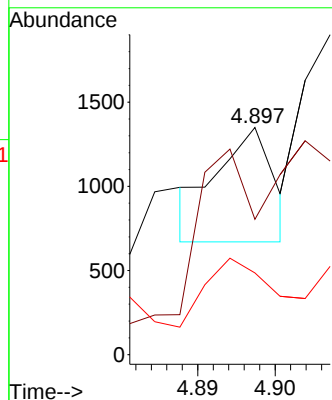
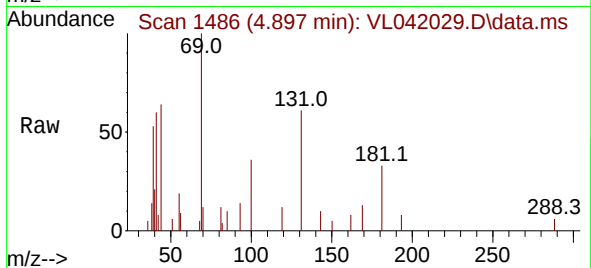
Tgt Ion: 69 Resp: 347

Ion Ratio Lower Upper

69 100

41 0.0 114.9 172.3#

100 0.0 28.8 43.2#



#44

2,2,4-Trimethylpentane

Concen: 0.063 ppbv

RT: 4.658 min Scan# 1412

Delta R.T. -0.006 min

Lab File: VL042029.D

Acq: 17 Feb 2025 14:19

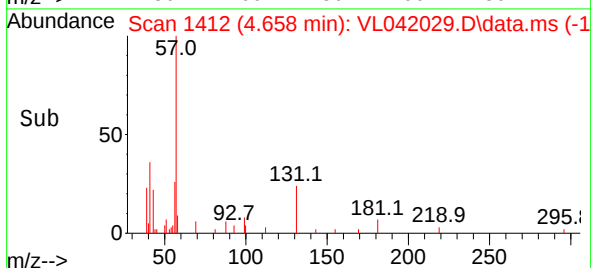
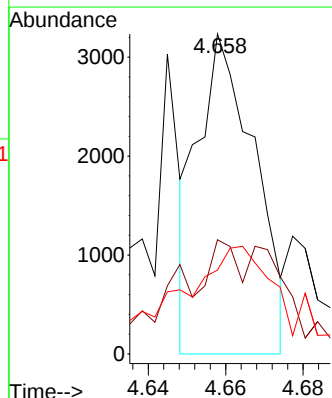
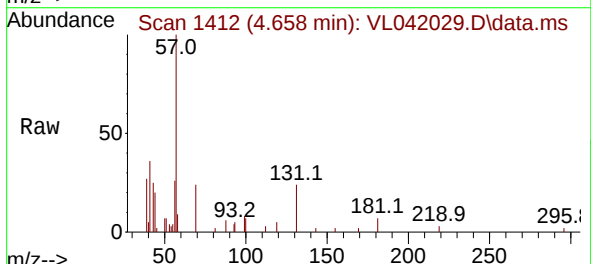
Tgt Ion: 57 Resp: 3300

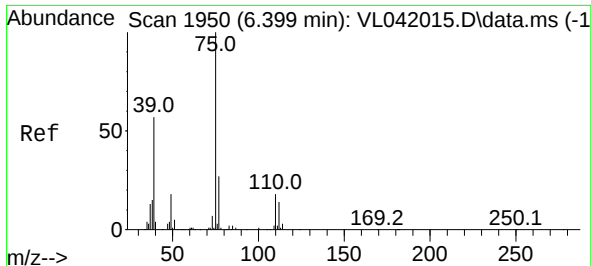
Ion Ratio Lower Upper

57 100

41 70.7 25.9 38.9#

56 62.5 24.9 37.3#





#45

t-1,3-Dichloropropene

Concen: 0.021 ppbv

RT: 6.454 min Scan# 11

Delta R.T. 0.010 min

Lab File: VL042029.D

Acq: 17 Feb 2025 14:19

Instrument :

MSVOA_L

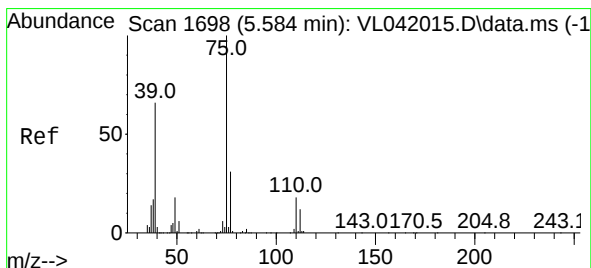
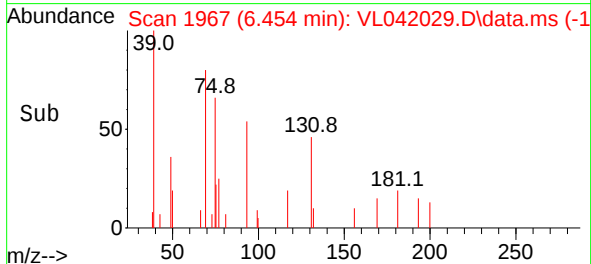
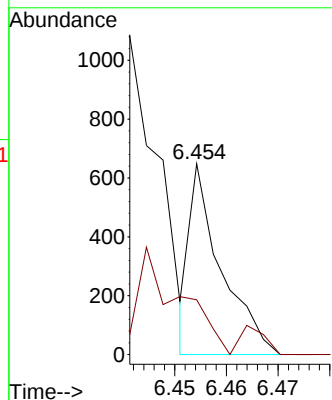
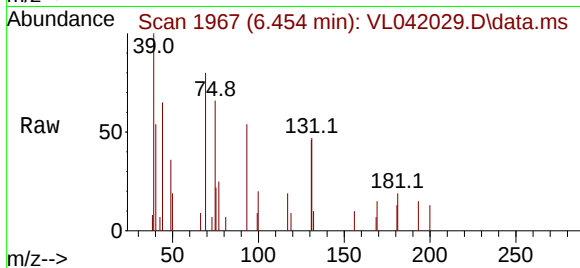
ClientSampleId :

Tgt Ion: 75 Resp: 277

Ion Ratio Lower Upper

75 100

77 28.7 22.1 33.1



#46

cis-1,3-Dichloropropene

Concen: 0.022 ppbv

RT: 5.619 min Scan# 1709

Delta R.T. -0.009 min

Lab File: VL042029.D

Acq: 17 Feb 2025 14:19

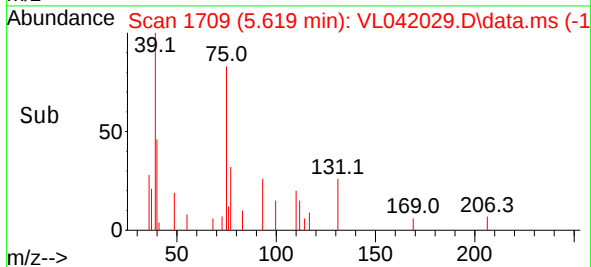
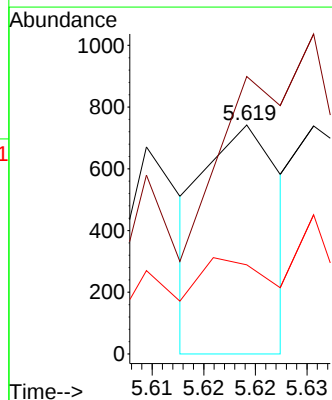
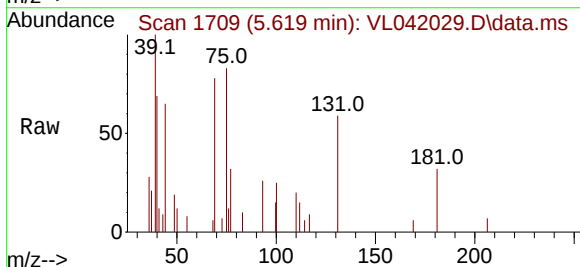
Tgt Ion: 75 Resp: 379

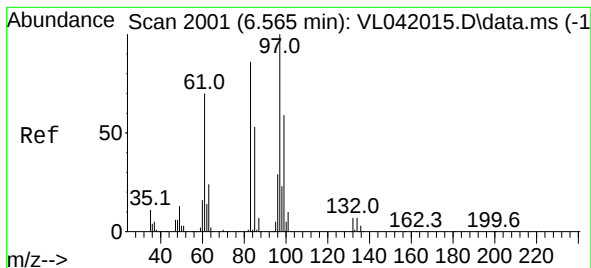
Ion Ratio Lower Upper

75 100

39 259.3 52.2 78.4#

77 51.1 24.5 36.7#





#47

1,1,2-Trichloroethane

Concen: 0.045 ppbv

RT: 6.603 min Scan# 2001

Delta R.T. -0.006 min

Lab File: VL042029.D

Acq: 17 Feb 2025 14:19

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 97 Resp: 538

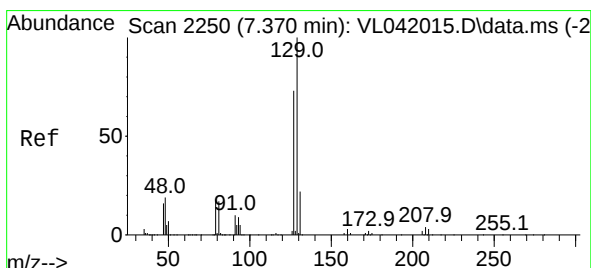
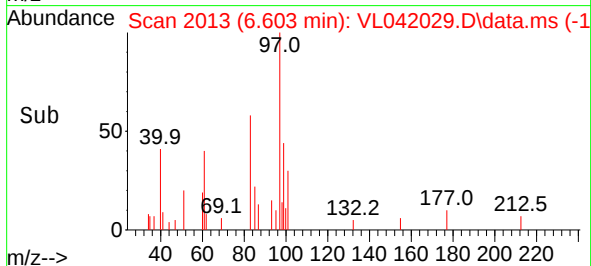
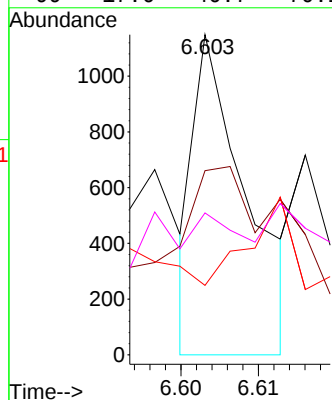
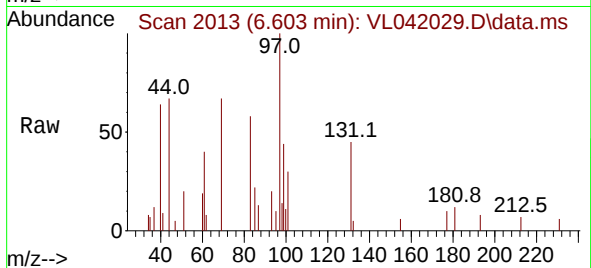
Ion Ratio Lower Upper

97 100

83 37.1 68.6 102.8#

85 0.0 42.2 63.4#

99 17.6 46.7 70.1#



#48

Dibromochloromethane

Concen: 0.056 ppbv

RT: 7.403 min Scan# 2260

Delta R.T. -0.006 min

Lab File: VL042029.D

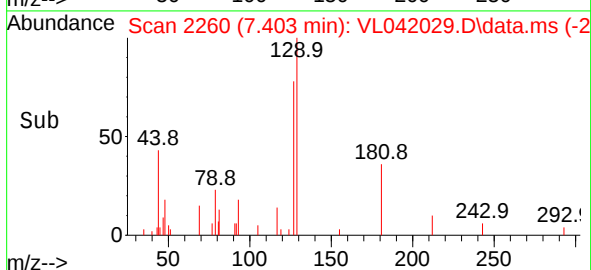
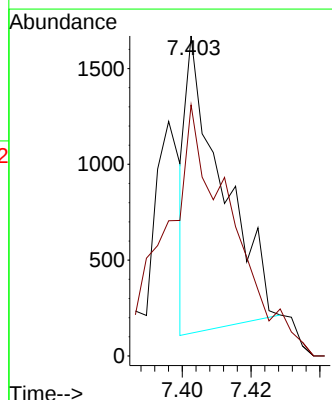
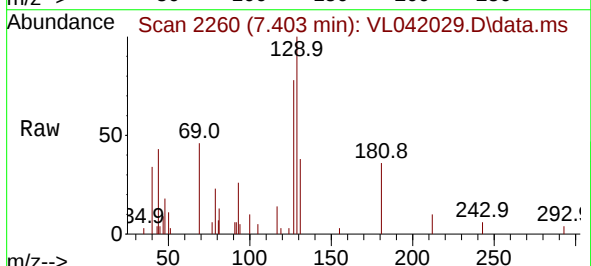
Acq: 17 Feb 2025 14:19

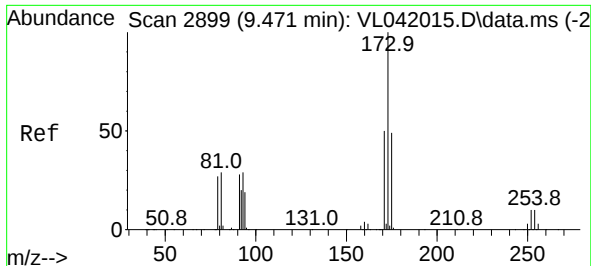
Tgt Ion: 129 Resp: 1114

Ion Ratio Lower Upper

129 100

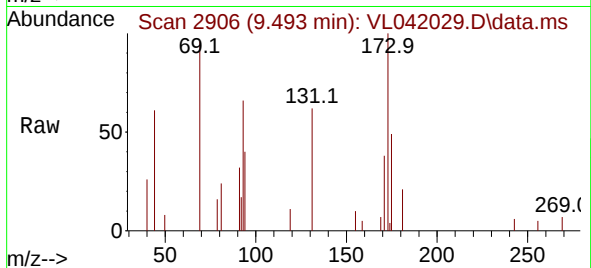
127 155.8 38.2 114.6#



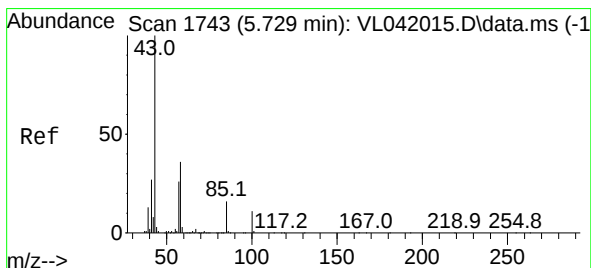
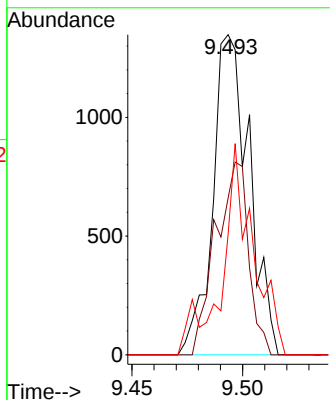
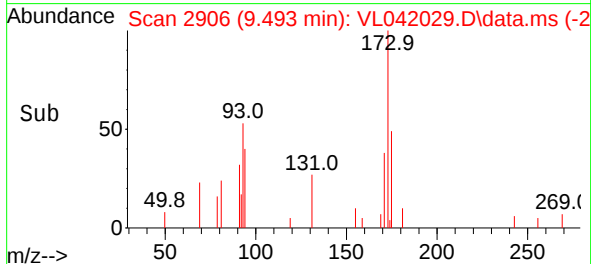


#49
Bromoform
Concen: 0.094 ppbv
RT: 9.493 min Scan# 20
Delta R.T. -0.006 min
Lab File: VL042029.D
Acq: 17 Feb 2025 14:19

Instrument :
MSVOA_L
ClientSampleId :

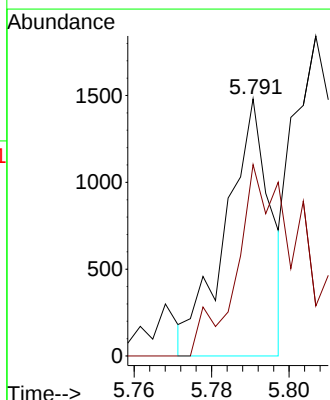
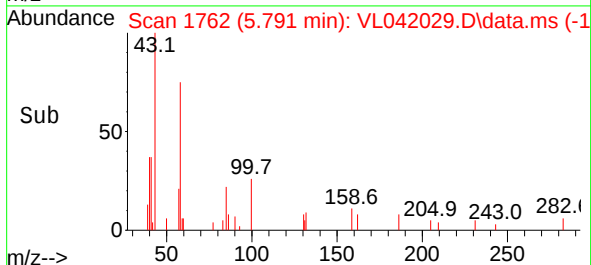
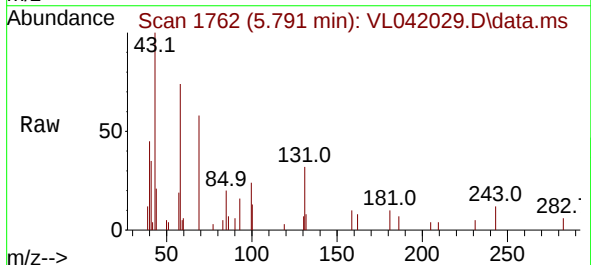


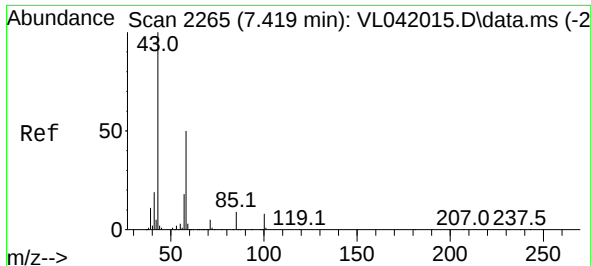
Tgt Ion:173 Resp: 1543
Ion Ratio Lower Upper
173 100
175 54.3 39.3 58.9
171 56.3 41.4 62.2



#50
4-Methyl-2-Pentanone
Concen: 0.035 ppbv
RT: 5.791 min Scan# 1762
Delta R.T. 0.007 min
Lab File: VL042029.D
Acq: 17 Feb 2025 14:19

Tgt Ion: 43 Resp: 1179
Ion Ratio Lower Upper
43 100
58 157.2 29.4 44.0#

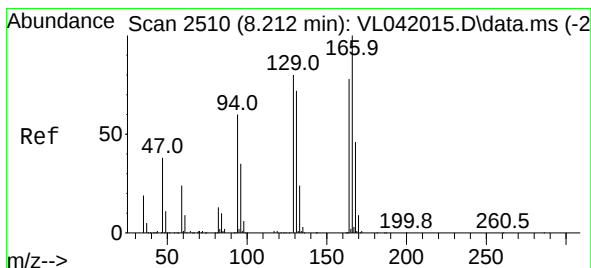
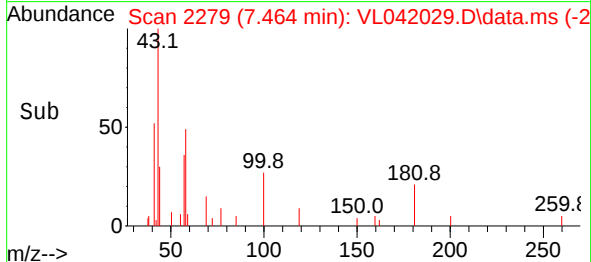
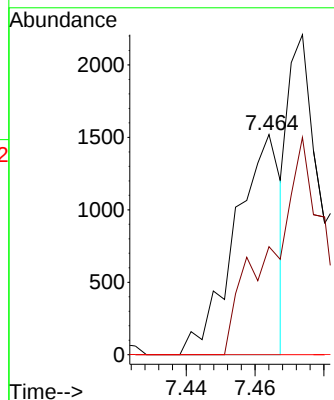
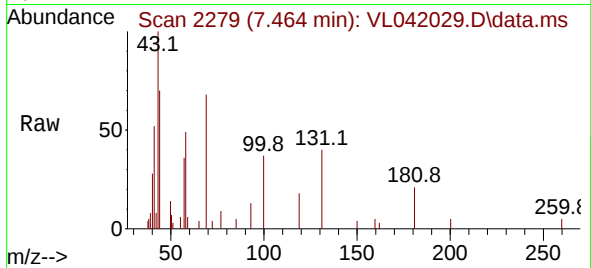




#51
2-Hexanone
Concen: 0.051 ppbv
RT: 7.464 min Scan# 21
Delta R.T. 0.004 min
Lab File: VL042029.D
Acq: 17 Feb 2025 14:19

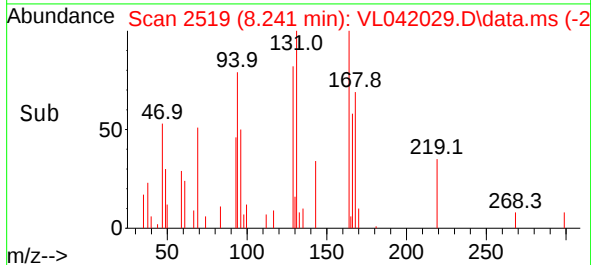
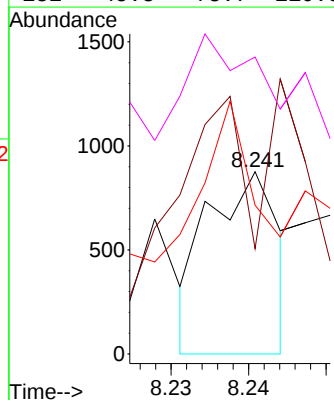
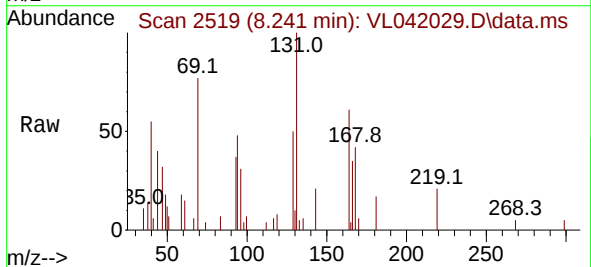
Instrument :
MSVOA_L
ClientSampleId :

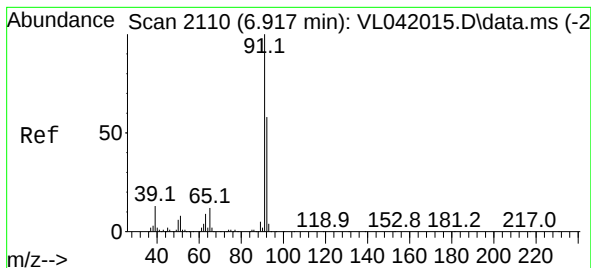
Tgt Ion: 43 Resp: 1401
Ion Ratio Lower Upper
43 100
58 0.0 41.4 62.0#
98 0.0 0.0 0.0



#52
Tetrachloroethene
Concen: 0.051 ppbv
RT: 8.241 min Scan# 2519
Delta R.T. -0.003 min
Lab File: VL042029.D
Acq: 17 Feb 2025 14:19

Tgt Ion:164 Resp: 552
Ion Ratio Lower Upper
164 100
166 0.0 102.2 153.2#
129 27.7 82.2 123.4#
131 45.3 73.7 110.5#





#53

Toluene

Concen: 0.079 ppbv

RT: 6.953 min Scan# 2110

Delta R.T. -0.003 min

Lab File: VL042029.D

Acq: 17 Feb 2025 14:19

Instrument :

MSVOA_L

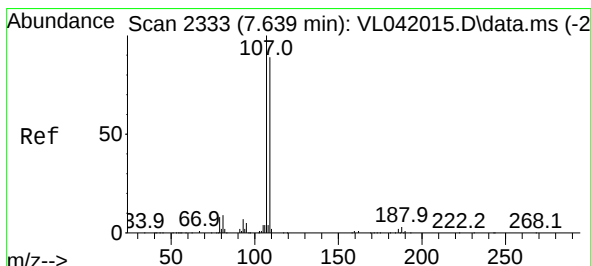
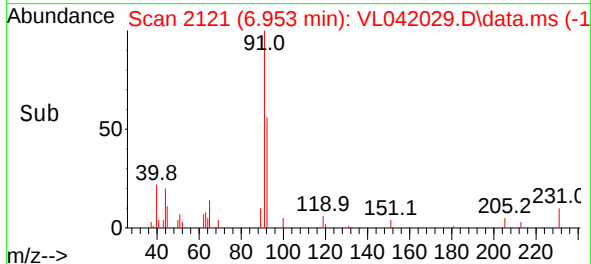
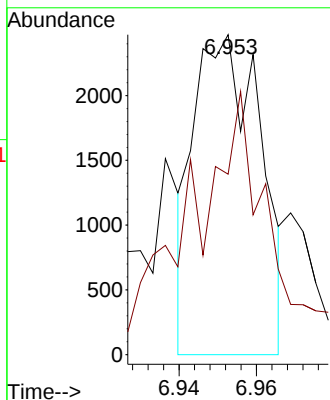
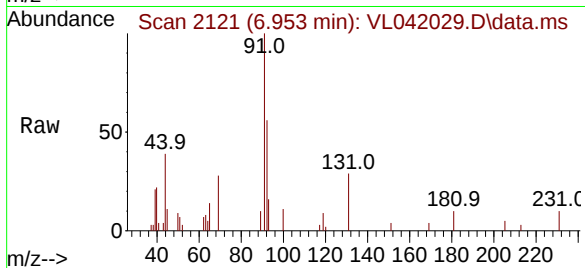
ClientSampleId :

Tgt Ion: 91 Resp: 2935

Ion Ratio Lower Upper

91 100

92 100.4 47.5 71.3#



#54

1,2-Dibromoethane

Concen: 0.028 ppbv

RT: 7.674 min Scan# 2344

Delta R.T. 0.000 min

Lab File: VL042029.D

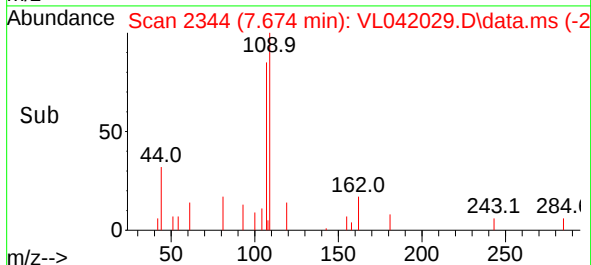
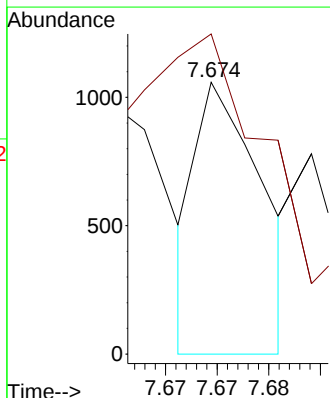
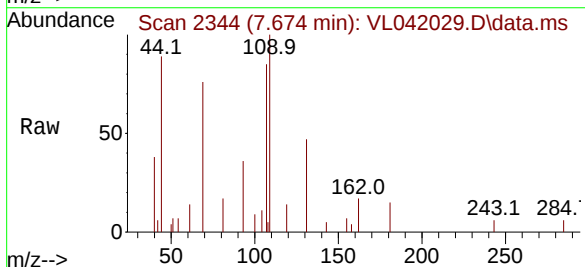
Acq: 17 Feb 2025 14:19

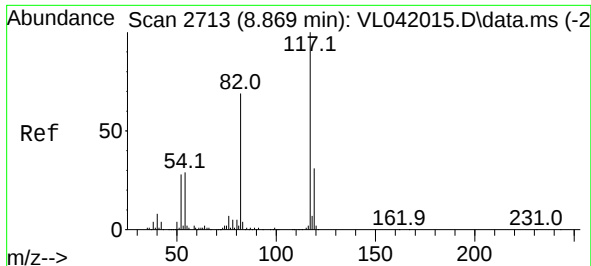
Tgt Ion: 107 Resp: 469

Ion Ratio Lower Upper

107 100

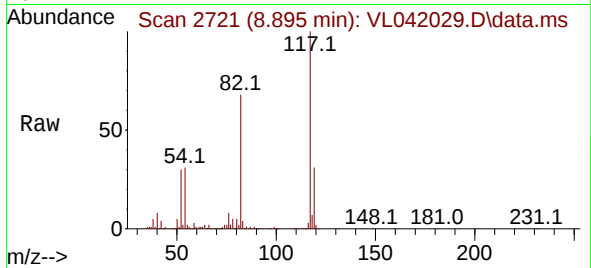
109 74.5 71.5 107.3



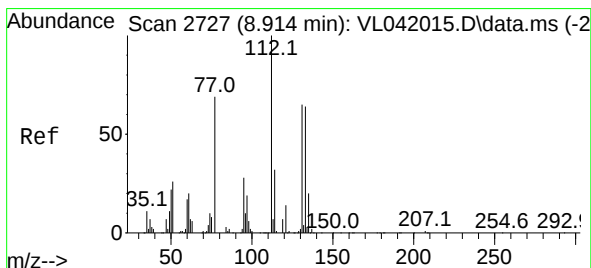
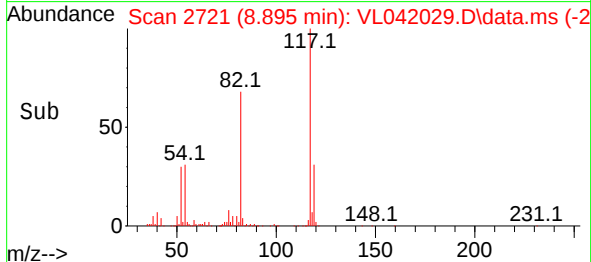
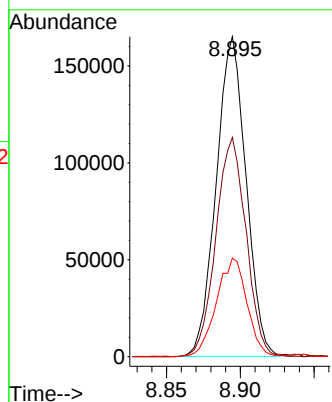


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.895 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL042029.D
Acq: 17 Feb 2025 14:19

Instrument :
MSVOA_L
ClientSampleId :

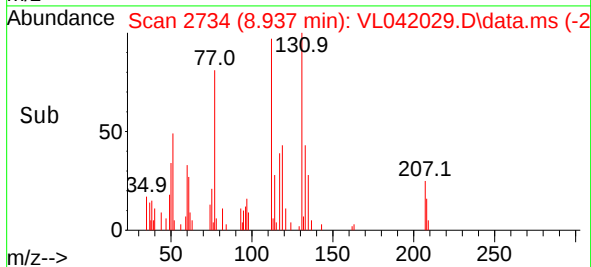
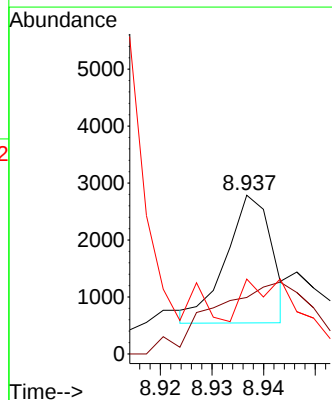
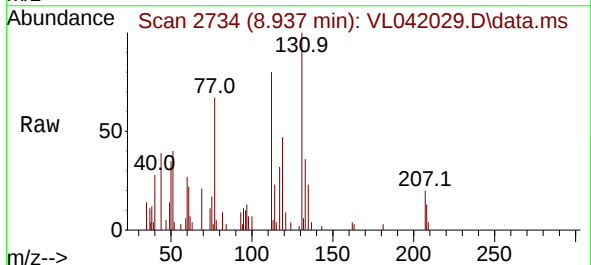


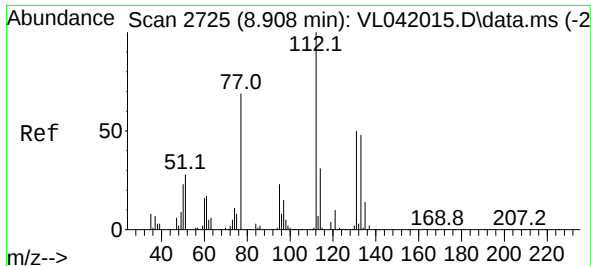
Tgt Ion:117 Resp: 231910
Ion Ratio Lower Upper
117 100
82 69.4 55.7 83.5
119 32.4 25.2 37.8



#56
1,1,1,2-Tetrachloroethane
Concen: 0.084 ppbv
RT: 8.937 min Scan# 2734
Delta R.T. -0.006 min
Lab File: VL042029.D
Acq: 17 Feb 2025 14:19

Tgt Ion:131 Resp: 1390
Ion Ratio Lower Upper
131 100
133 0.0 77.8 116.8#
119 0.0 49.1 73.7#





#57

Chlorobenzene

Concen: 0.130 ppbv

RT: 8.933 min Scan# 21

Delta R.T. -0.006 min

Lab File: VL042029.D

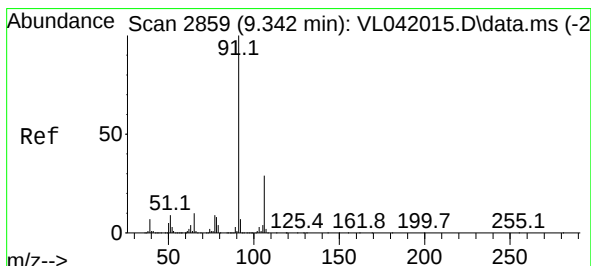
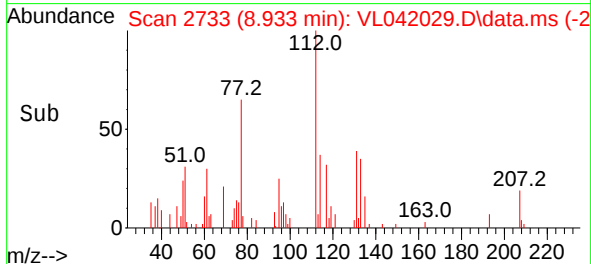
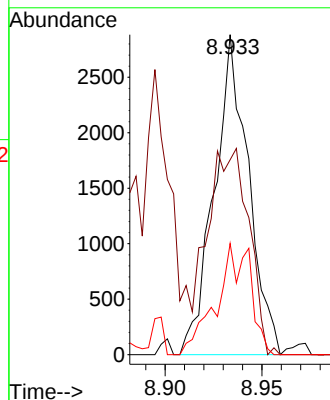
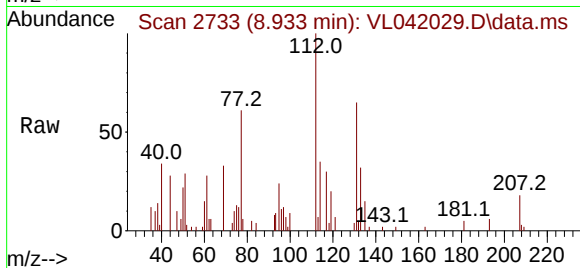
Acq: 17 Feb 2025 14:19

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:112	Resp:	3535
Ion Ratio	Lower	Upper
112	100	
77	60.9	56.2 84.2
114	34.7	28.2 34.4#



#58

Ethyl Benzene

Concen: 0.107 ppbv

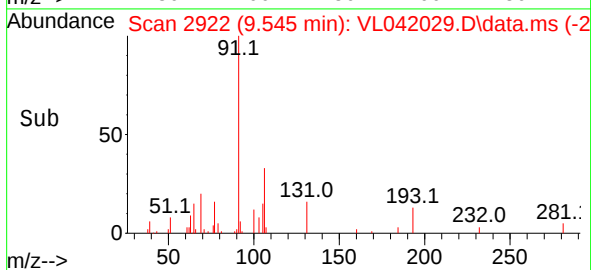
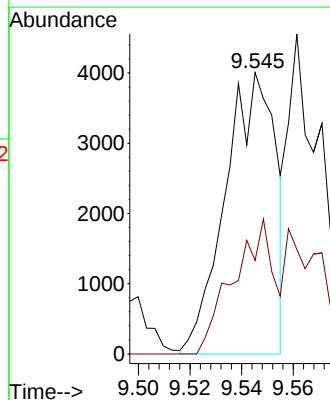
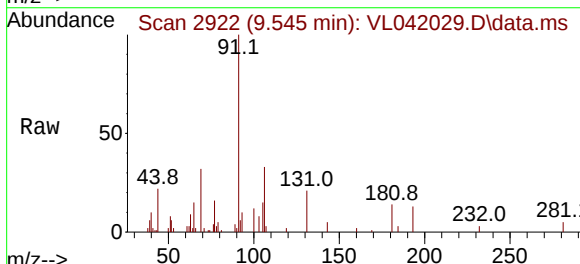
RT: 9.545 min Scan# 2922

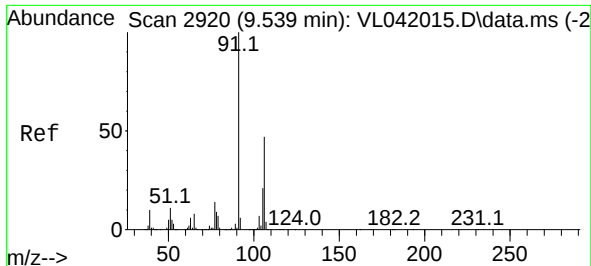
Delta R.T. 0.175 min

Lab File: VL042029.D

Acq: 17 Feb 2025 14:19

Tgt Ion: 91	Resp:	5415
Ion Ratio	Lower	Upper
91	100	
106	33.6	23.1 34.7





#59

m/p-Xylene

Concen: 0.135 ppbv

RT: 9.545 min Scan# 2920

Delta R.T. -0.003 min

Lab File: VL042029.D

Acq: 17 Feb 2025 14:19

Instrument :

MSVOA_L

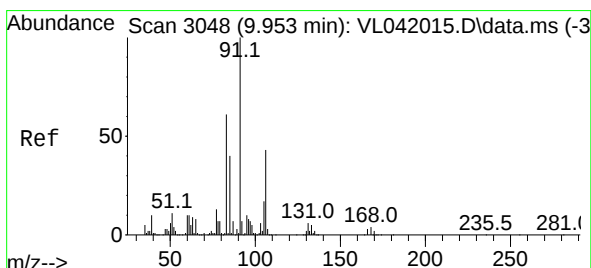
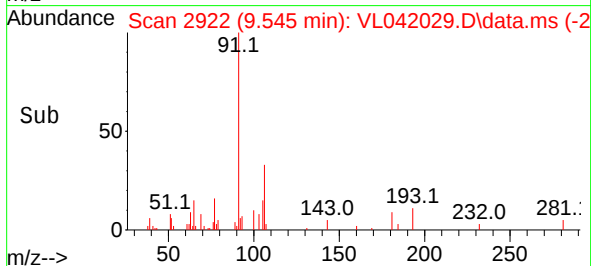
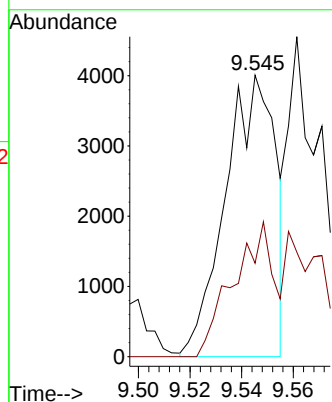
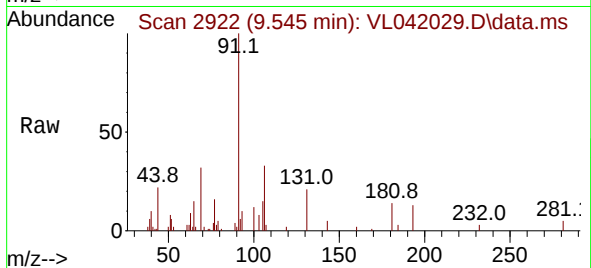
ClientSampleId :

Tgt Ion: 91 Resp: 5415

Ion Ratio Lower Upper

91 100

106 71.1 35.8 53.8#



#60

o-Xylene

Concen: 0.114 ppbv

RT: 9.976 min Scan# 3055

Delta R.T. -0.003 min

Lab File: VL042029.D

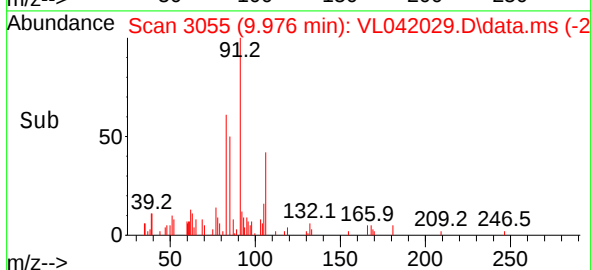
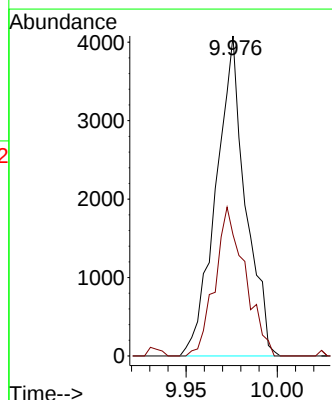
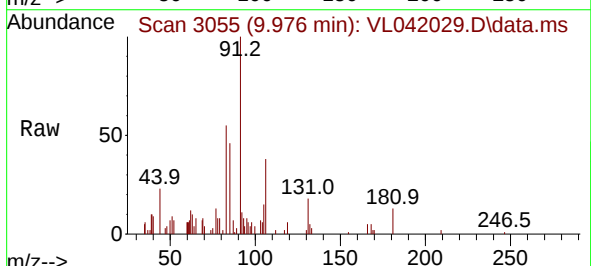
Acq: 17 Feb 2025 14:19

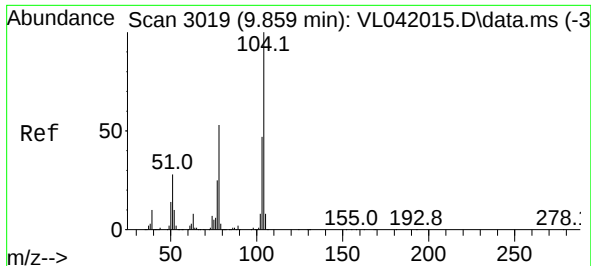
Tgt Ion: 91 Resp: 4610

Ion Ratio Lower Upper

91 100

106 48.4 21.4 64.3

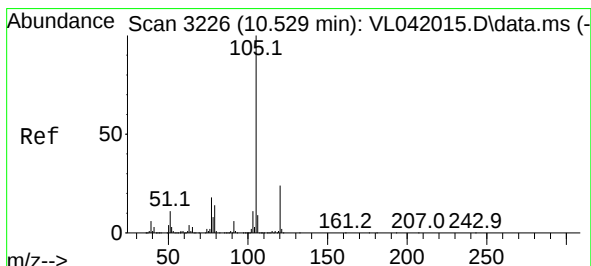
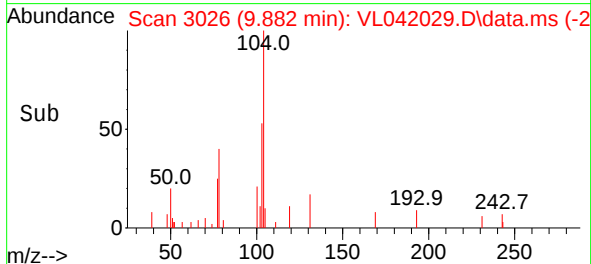
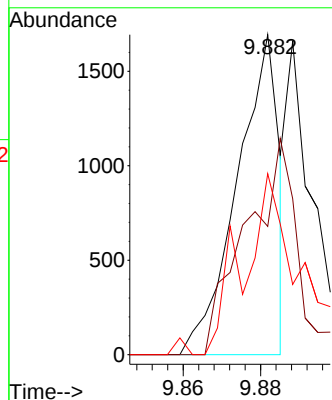
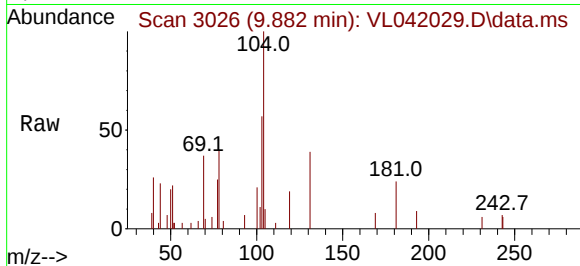




#61
Styrene
Concen: 0.066 ppbv
RT: 9.882 min Scan# 3019
Delta R.T. -0.003 min
Lab File: VL042029.D
Acq: 17 Feb 2025 14:19

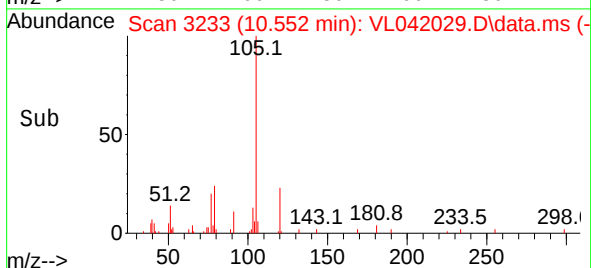
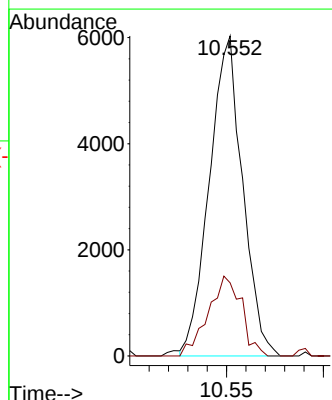
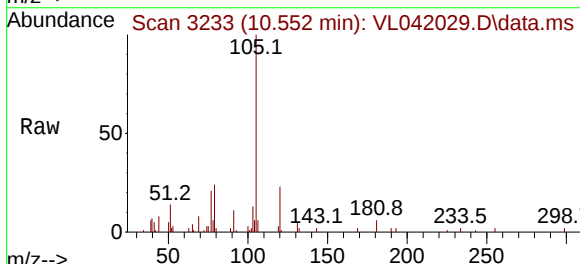
Instrument :
MSVOA_L
ClientSampleId :

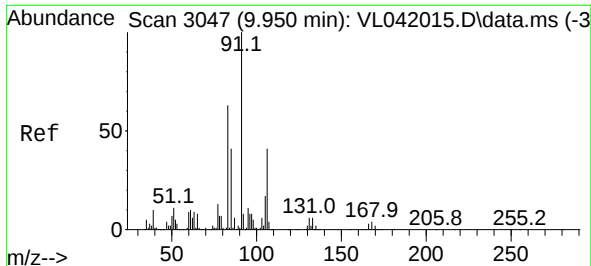
Tgt Ion:104 Resp: 1279
Ion Ratio Lower Upper
104 100
78 0.0 42.2 63.4#
103 73.4 38.1 57.1#



#62
Isopropylbenzene
Concen: 0.118 ppbv
RT: 10.552 min Scan# 3233
Delta R.T. -0.003 min
Lab File: VL042029.D
Acq: 17 Feb 2025 14:19

Tgt Ion:105 Resp: 7181
Ion Ratio Lower Upper
105 100
120 25.0 19.8 29.8





#63

1,1,2,2-Tetrachloroethane

Concen: 0.118 ppbv

RT: 9.979 min Scan# 3047

Delta R.T. 0.000 min

Lab File: VL042029.D

Acq: 17 Feb 2025 14:19

Instrument :

MSVOA_L

ClientSampleId :

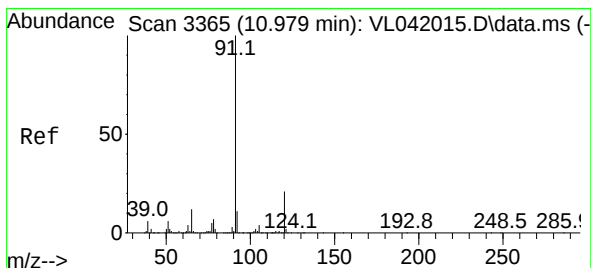
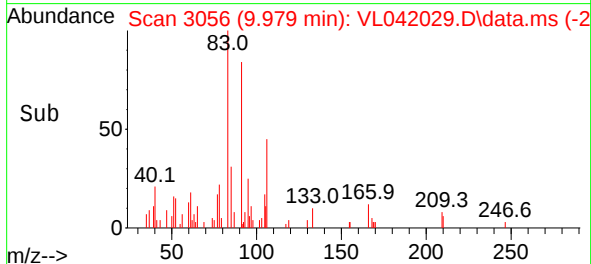
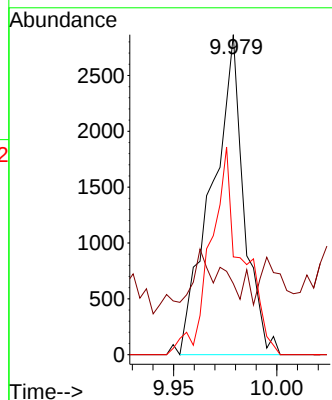
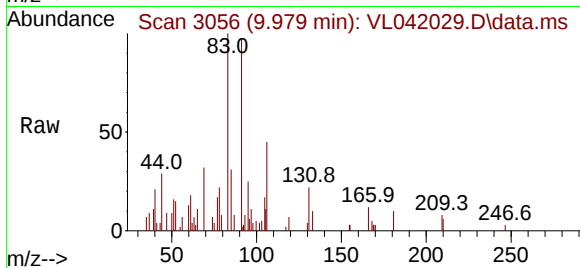
Tgt Ion: 83 Resp: 3086

Ion Ratio Lower Upper

83 100

131 24.3 5.0 15.0#

85 64.1 32.1 96.3



#64

n-propylbenzene

Concen: 0.109 ppbv

RT: 10.998 min Scan# 3371

Delta R.T. -0.006 min

Lab File: VL042029.D

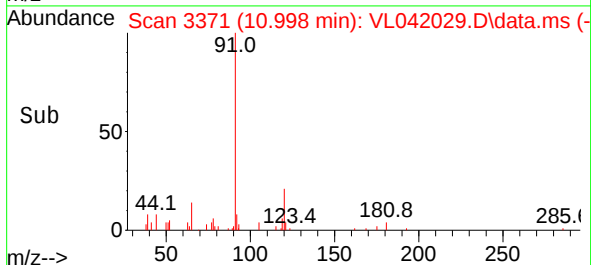
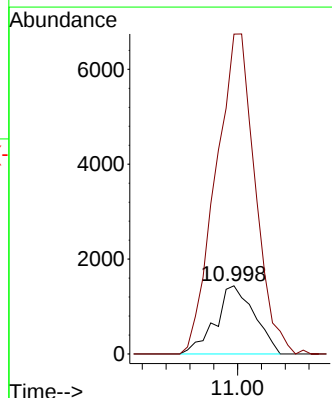
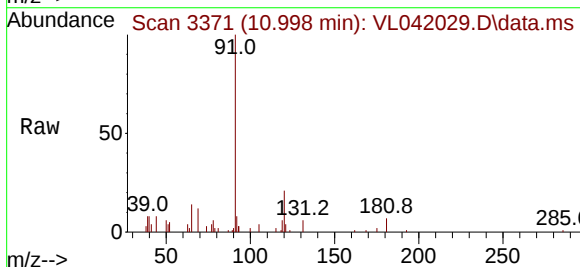
Acq: 17 Feb 2025 14:19

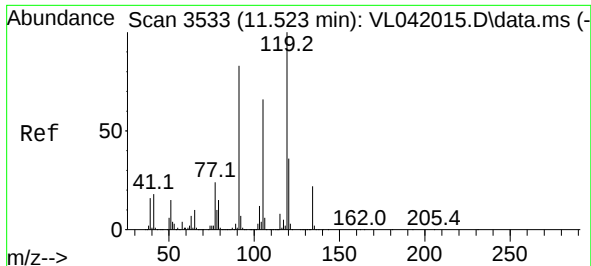
Tgt Ion:120 Resp: 1626

Ion Ratio Lower Upper

120 100

91 476.9 392.2 588.2





#65

tert-Butylbenzene

Concen: 0.126 ppbv

RT: 11.536 min Scan# 3537

Delta R.T. -0.009 min

Lab File: VL042029.D

Acq: 17 Feb 2025 14:19

Instrument :

MSVOA_L

ClientSampleId :

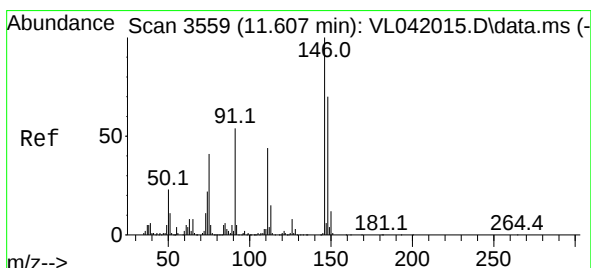
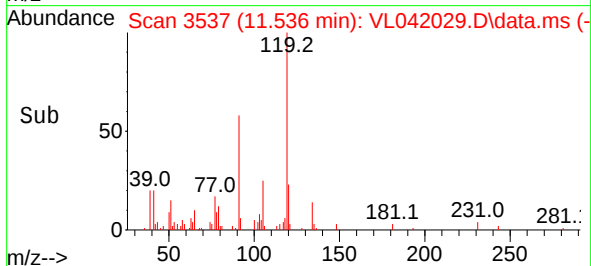
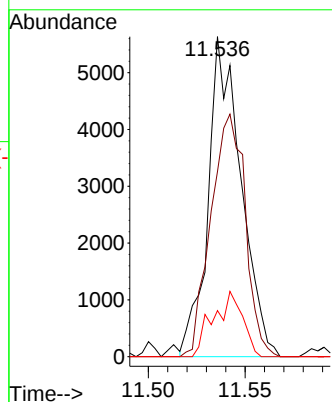
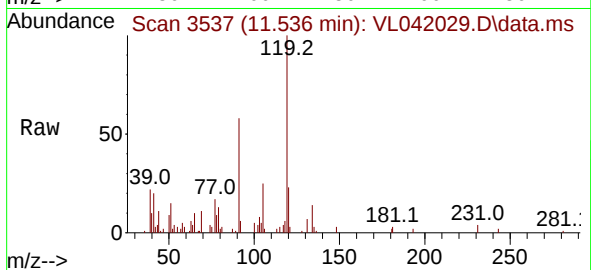
Tgt Ion:119 Resp: 6657

Ion Ratio Lower Upper

119 100

91 79.3 66.5 99.7

134 18.1 16.6 24.8



#66

Benzyl Chloride

Concen: 0.044 ppbv

RT: 11.620 min Scan# 3563

Delta R.T. -0.009 min

Lab File: VL042029.D

Acq: 17 Feb 2025 14:19

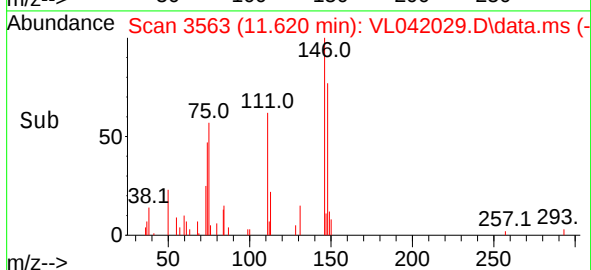
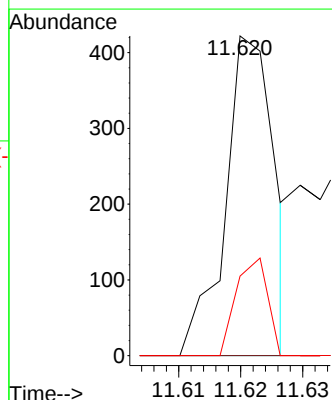
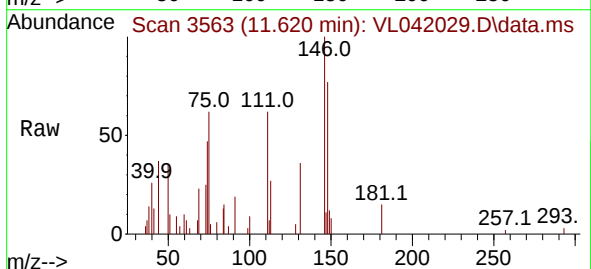
Tgt Ion: 91 Resp: 234

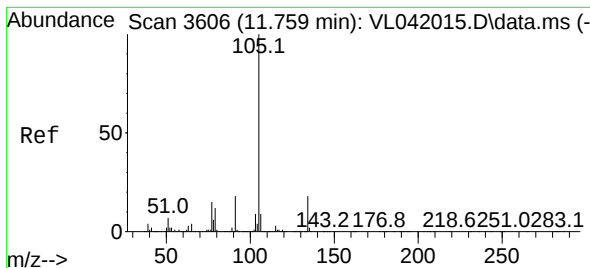
Ion Ratio Lower Upper

91 100

126 0.0 13.8 20.6#

128 19.2 4.1 6.1#





#67

sec-Butylbenzene

Concen: 0.107 ppbv

RT: 11.778 min Scan# 3182

Delta R.T. -0.003 min

Lab File: VL042029.D

Acq: 17 Feb 2025 14:19

Instrument :

MSVOA_L

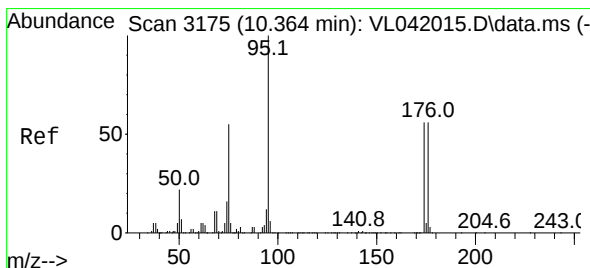
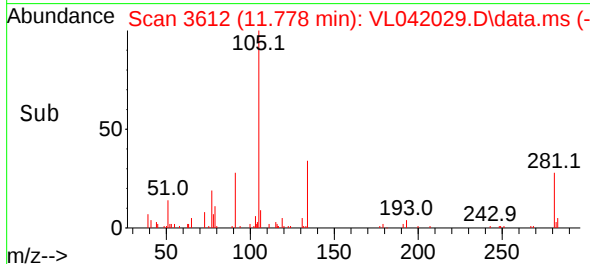
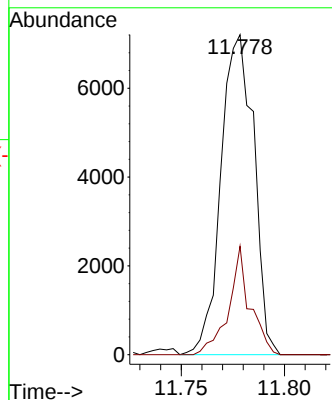
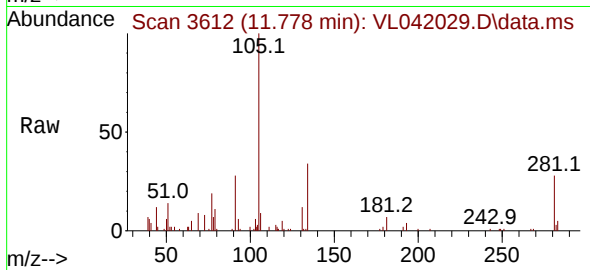
ClientSampleId :

Tgt Ion:105 Resp: 7962

Ion Ratio Lower Upper

105 100

134 22.0 14.7 22.1



#68

1-Bromo-4-Fluorobenzene

Concen: 10.251 ppbv

RT: 10.387 min Scan# 3182

Delta R.T. -0.003 min

Lab File: VL042029.D

Acq: 17 Feb 2025 14:19

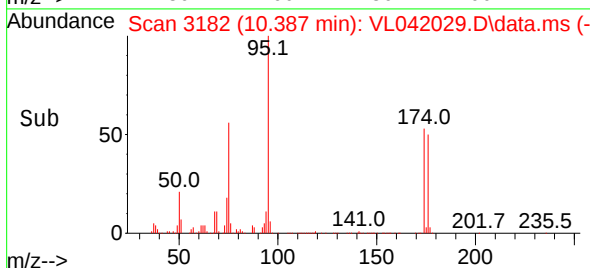
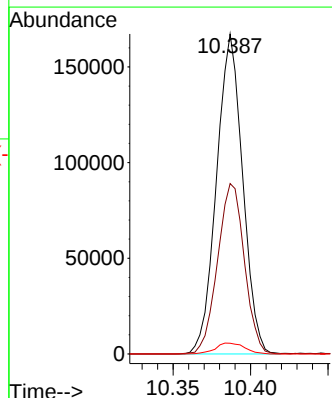
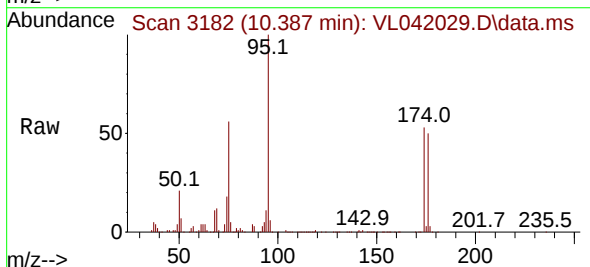
Tgt Ion: 95 Resp: 196094

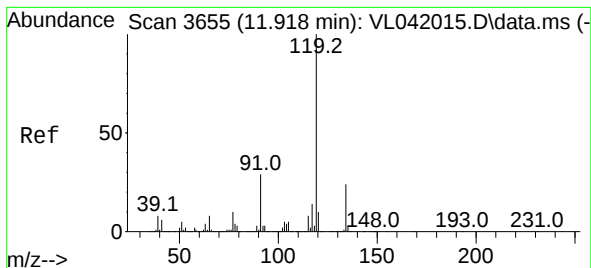
Ion Ratio Lower Upper

95 100

174 54.7 46.7 70.1

175 3.8 3.7 5.5





#69

p-Isopropyltoluene

Concen: 0.118 ppbv

RT: 11.931 min Scan# 3

Delta R.T. -0.009 min

Lab File: VL042029.D

Acq: 17 Feb 2025 14:19

Instrument :

MSVOA_L

ClientSampleId :

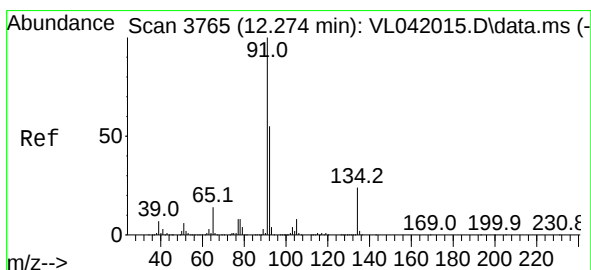
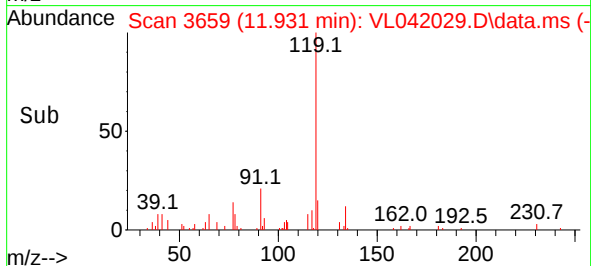
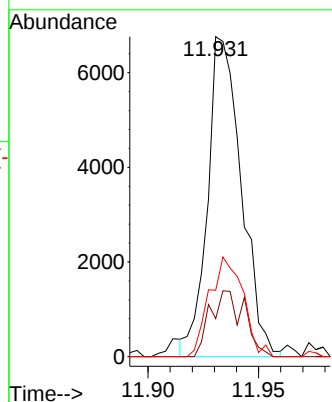
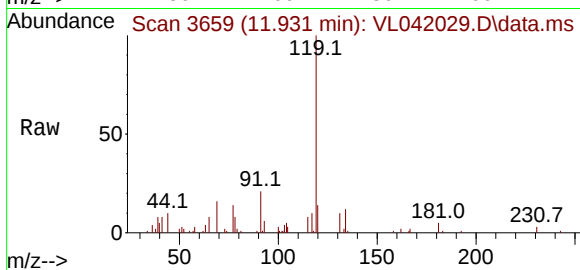
Tgt Ion:119 Resp: 7188

Ion Ratio Lower Upper

119 100

134 20.7 19.4 29.0

91 31.1 23.4 35.2



#70

n-Butylbenzene

Concen: 0.095 ppbv

RT: 12.293 min Scan# 3771

Delta R.T. 0.000 min

Lab File: VL042029.D

Acq: 17 Feb 2025 14:19

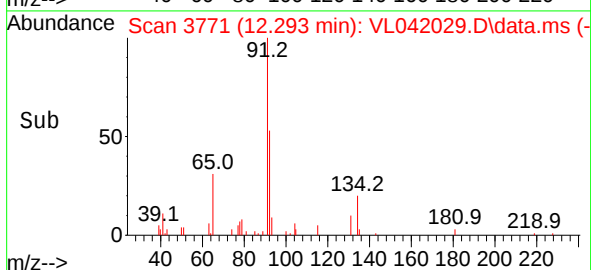
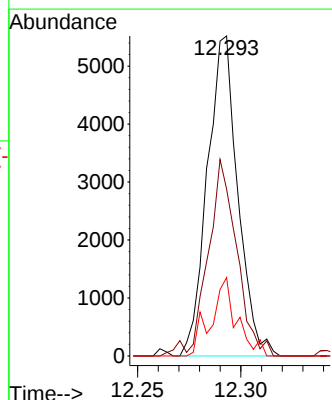
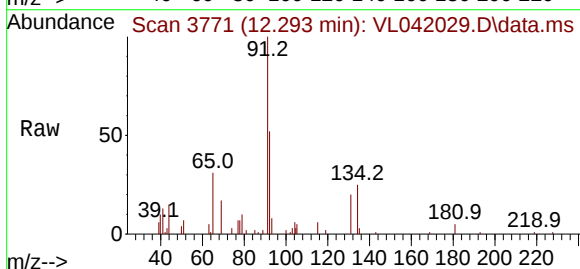
Tgt Ion: 91 Resp: 5680

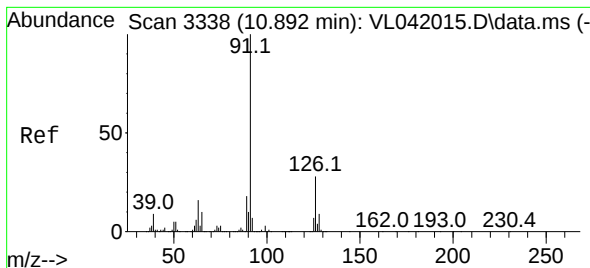
Ion Ratio Lower Upper

91 100

92 58.1 43.8 65.8

134 20.8 18.6 27.8





#71

2-Chlorotoluene

Concen: 0.121 ppbv

RT: 10.911 min Scan# 3413

Delta R.T. -0.003 min

Lab File: VL042029.D

Acq: 17 Feb 2025 14:19

Instrument :

MSVOA_L

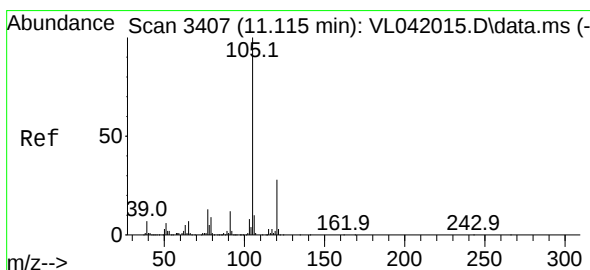
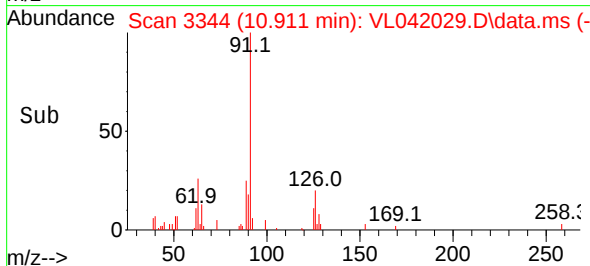
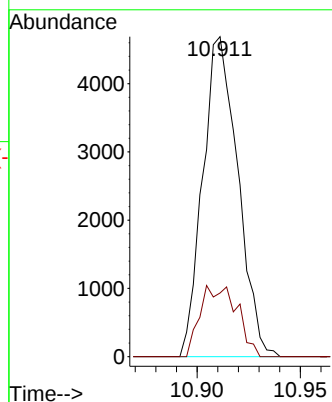
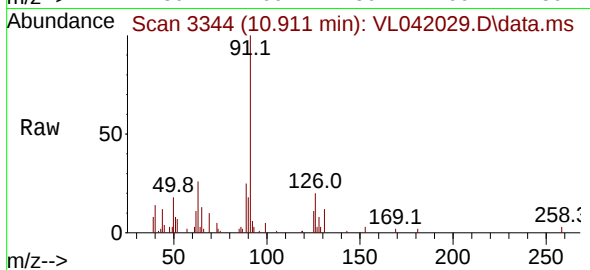
ClientSampleId :

Tgt Ion: 91 Resp: 5542

Ion Ratio Lower Upper

91 100

126 23.3 11.2 45.0



#72

4-Ethyltoluene

Concen: 0.115 ppbv

RT: 11.134 min Scan# 3413

Delta R.T. -0.003 min

Lab File: VL042029.D

Acq: 17 Feb 2025 14:19

Tgt Ion: 105 Resp: 5460

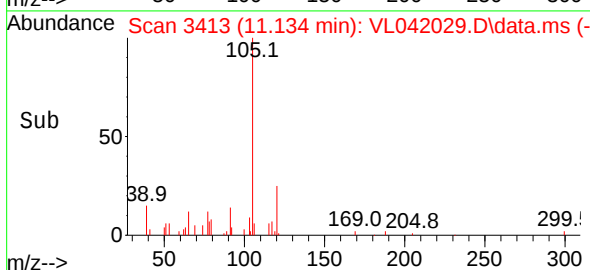
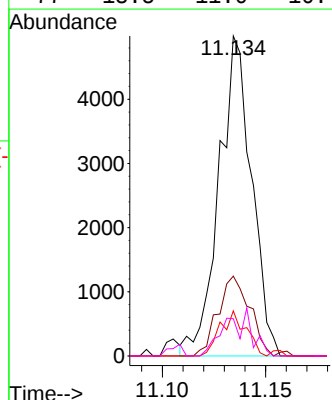
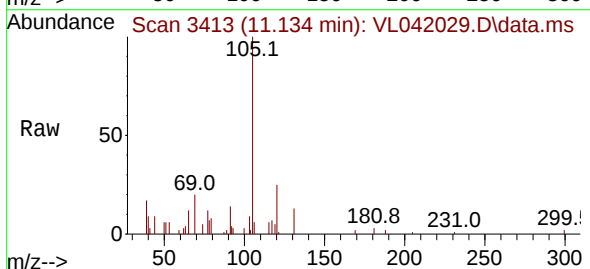
Ion Ratio Lower Upper

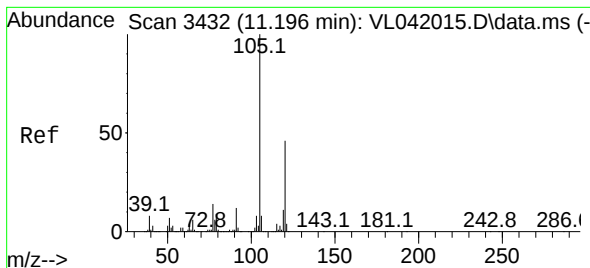
105 100

120 24.8 22.7 34.1

91 11.6 10.2 15.2

77 13.5 11.0 16.4





#73

1,3,5-Trimethylbenzene

Concen: 0.119 ppbv

RT: 11.212 min Scan# 3432

Delta R.T. -0.006 min

Lab File: VL042029.D

Acq: 17 Feb 2025 14:19

Instrument :

MSVOA_L

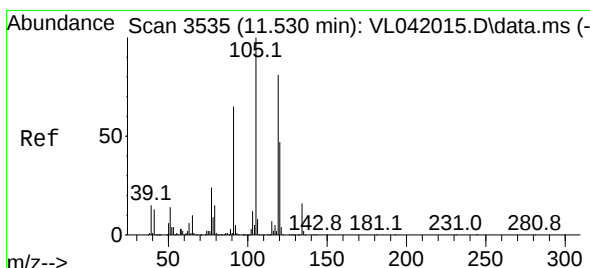
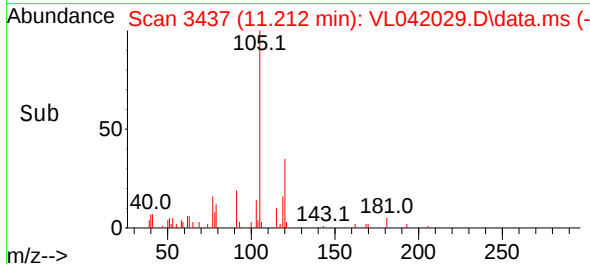
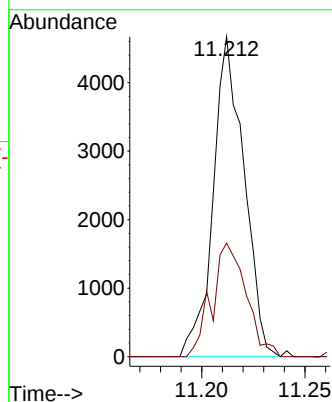
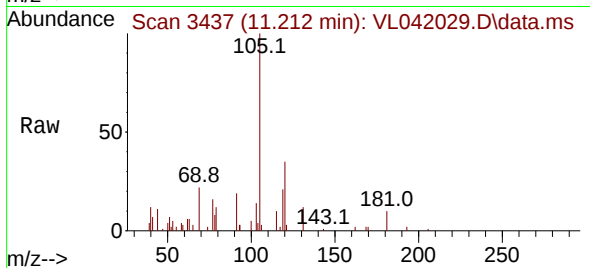
ClientSampleId :

Tgt Ion:105 Resp: 4848

Ion Ratio Lower Upper

105 100

120 35.5 37.1 55.7#



#74

1,2,4-Trimethylbenzene

Concen: 0.106 ppbv

RT: 11.542 min Scan# 3539

Delta R.T. -0.009 min

Lab File: VL042029.D

Acq: 17 Feb 2025 14:19

Tgt Ion:105 Resp: 4659

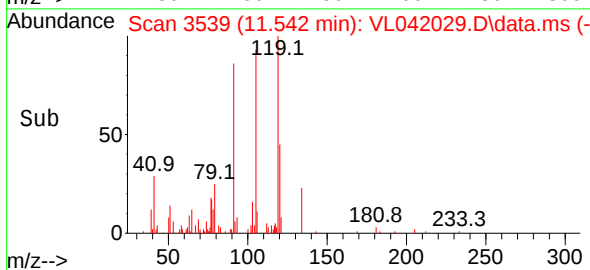
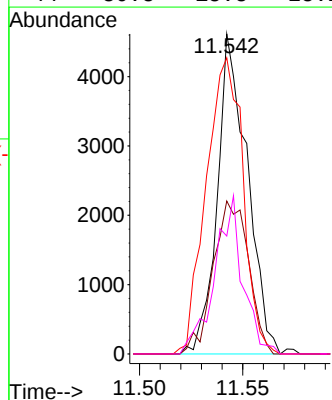
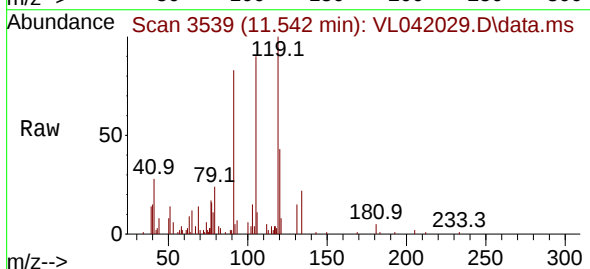
Ion Ratio Lower Upper

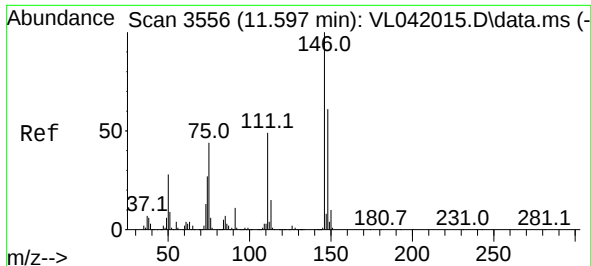
105 100

120 47.8 37.5 56.3

91 92.5 51.7 77.5#

77 36.8 18.8 28.2#





#75

1,3-Dichlorobenzene

Concen: 0.043 ppbv

RT: 11.620 min Scan# 3556

Delta R.T. -0.003 min

Lab File: VL042029.D

Acq: 17 Feb 2025 14:19

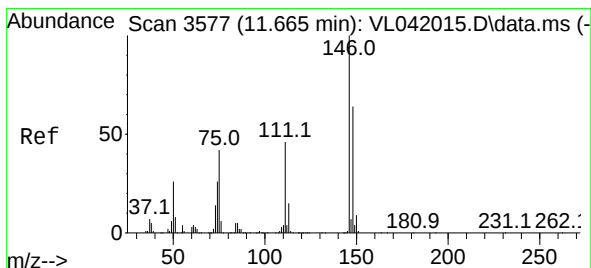
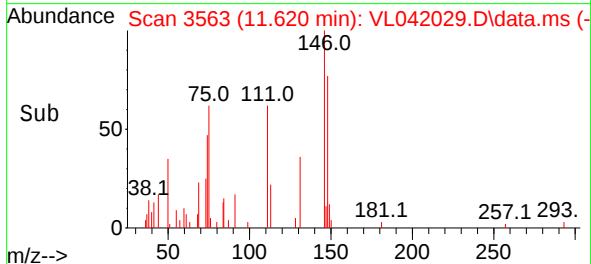
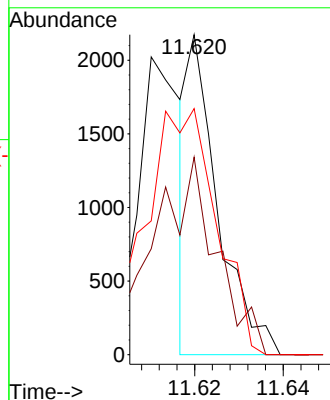
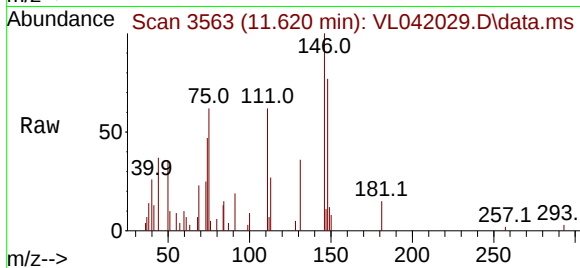
Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:146 Resp: 1025

Ion	Ratio	Lower	Upper
146	100		
111	134.4	23.9	71.7#
148	184.9	31.5	94.5#



#76

1,4-Dichlorobenzene

Concen: 0.105 ppbv

RT: 11.681 min Scan# 3582

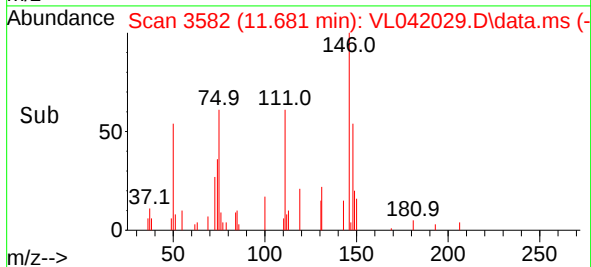
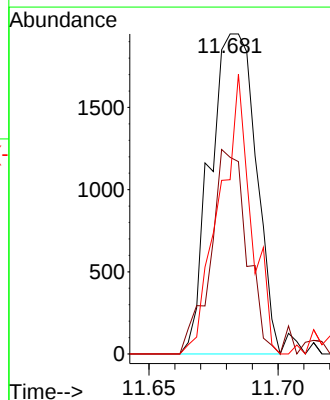
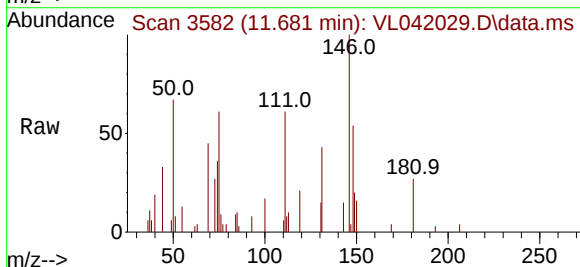
Delta R.T. -0.003 min

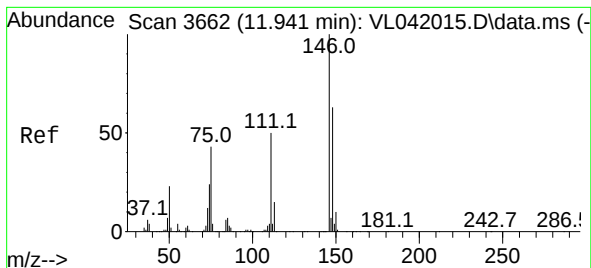
Lab File: VL042029.D

Acq: 17 Feb 2025 14:19

Tgt Ion:146 Resp: 2408

Ion	Ratio	Lower	Upper
146	100		
111	53.8	23.5	70.5
148	65.9	32.3	96.9





#77

1,2-Dichlorobenzene

Concen: 0.120 ppbv

RT: 11.953 min Scan# 3

Delta R.T. -0.006 min

Lab File: VL042029.D

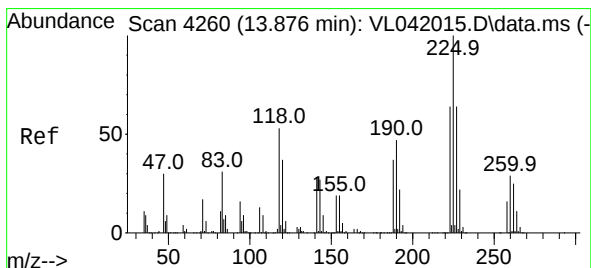
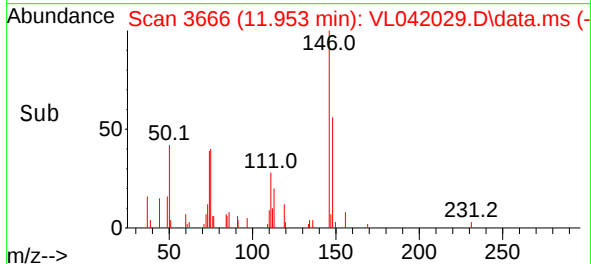
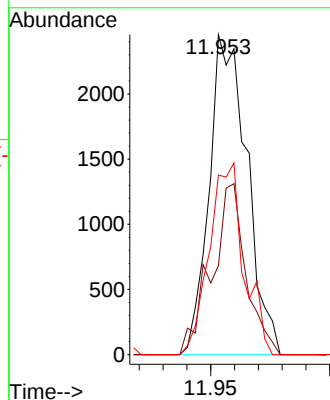
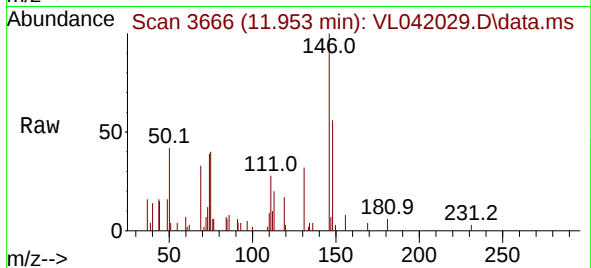
Acq: 17 Feb 2025 14:19

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:146	Resp:	2698
Ion Ratio	Lower	Upper
146	100	
111	48.5	25.6 76.8
148	55.1	31.9 95.7



#78

Hexachloro-1,3-Butadiene

Concen: 0.110 ppbv

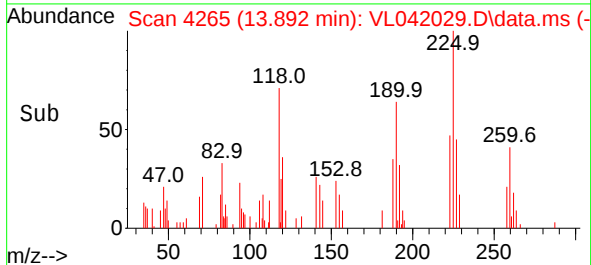
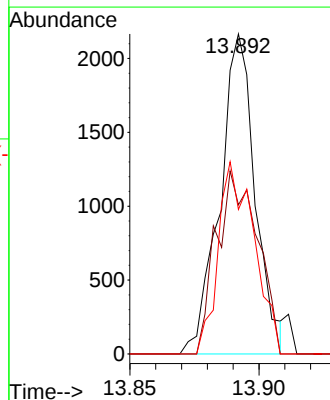
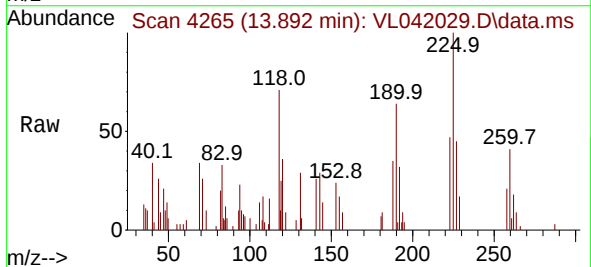
RT: 13.892 min Scan# 4265

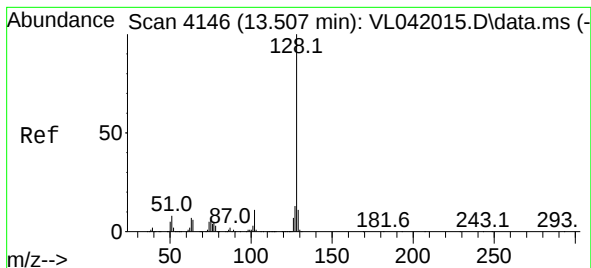
Delta R.T. -0.003 min

Lab File: VL042029.D

Acq: 17 Feb 2025 14:19

Tgt Ion:225	Resp:	2060
Ion Ratio	Lower	Upper
225	100	
223	66.7	50.6 75.8
227	60.6	50.9 76.3





#79

Naphthalene

Concen: 0.103 ppbv

RT: 13.526 min Scan# 4146

Delta R.T. 0.000 min

Lab File: VL042029.D

Acq: 17 Feb 2025 14:19

Instrument :

MSVOA_L

ClientSampleId :

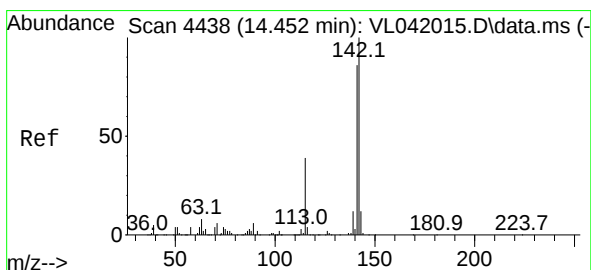
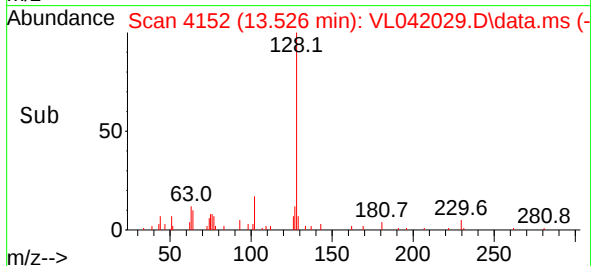
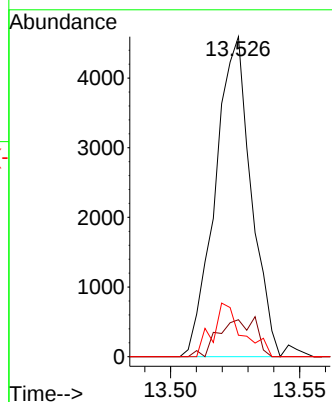
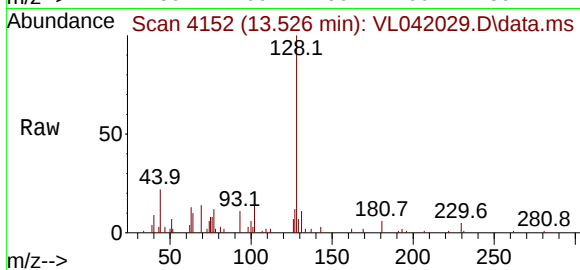
Tgt Ion:128 Resp: 4443

Ion Ratio Lower Upper

128 100

127 11.5 10.2 15.2

129 6.7 8.6 13.0#



#80

Naphthalene,2-methyl-

Concen: 0.081 ppbv

RT: 14.468 min Scan# 4443

Delta R.T. -0.003 min

Lab File: VL042029.D

Acq: 17 Feb 2025 14:19

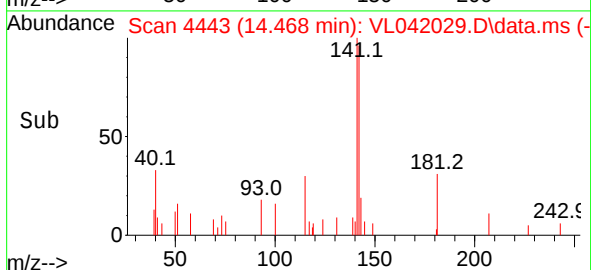
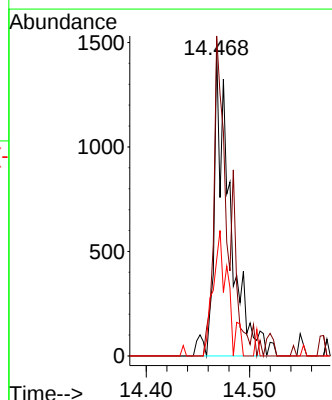
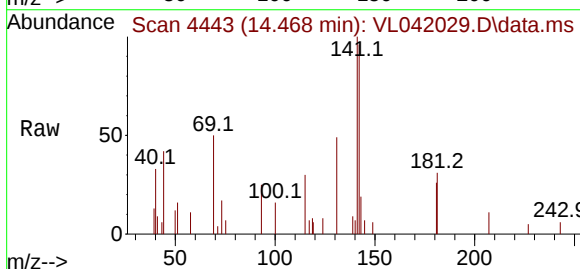
Tgt Ion:142 Resp: 1587

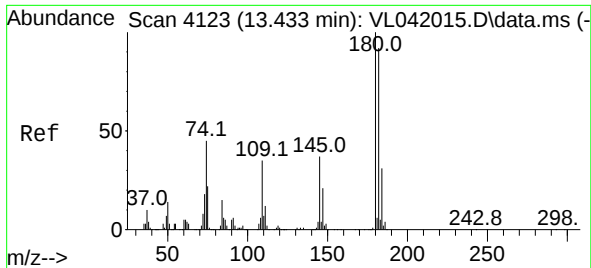
Ion Ratio Lower Upper

142 100

141 96.0 68.2 102.2

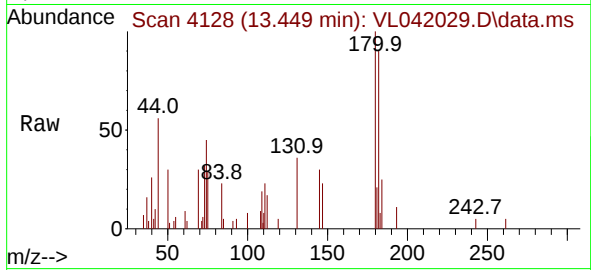
115 39.6 33.6 50.4





#81
 1,2,4-Trichlorobenzene
 Concen: 0.057 ppbv
 RT: 13.449 min Scan# 41
 Delta R.T. -0.006 min
 Lab File: VL042029.D
 Acq: 17 Feb 2025 14:19

Instrument :
 MSVOA_L
 ClientSampleId :



Tgt Ion:180 Resp: 998
 Ion Ratio Lower Upper
 180 100
 182 147.6 75.8 113.6#
 184 45.8 24.2 36.4#

