

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL021725\
 Data File : VL042031.D
 Acq On : 17 Feb 2025 15:21
 Operator : SY/MD
 Sample : Q1168-15 0.03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Feb 18 00:27:21 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	93133	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.975	114	255258	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.898	117	235540	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.390	95	196040	10.090	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.900%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.560	85	643	0.040	ppbv	89
3) Chlorodifluoromethane	1.651	51	467	0.026	ppbv	96
4) Chloromethane	1.538	50	708	0.114	ppbv	93
5) Vinyl Chloride	1.586	62	283	0.038	ppbv #	62
6) Bromomethane	1.674	94	117	0.041	ppbv #	48
7) Chloroethane	1.709	64	69	0.028	ppbv #	42
8) Dichlorotetrafluoroethane	1.560	85	643	0.046	ppbv	89
9) Propene	1.431	41	132	0.017	ppbv	91
10) Heptane	5.004	43	470	0.022	ppbv #	1
11) Trichlorofluoromethane	1.887	101	870	0.054	ppbv	86
12) 1,1,2-Trichlorotrifluo...	2.149	101	665	0.053	ppbv	97
13) Ethanol	1.434	45	99402	115.333	ppbv	78
14) Bromoethene	1.790	108	275	0.059	ppbv #	1
15) Acetone	1.842	43	3059	0.199	ppbv #	88
16) 1,3-Butadiene	1.615	39	686	0.094	ppbv #	69
17) tert-Butyl alcohol	2.052	59	788	0.041	ppbv #	8
18) 1,1-Dichloroethene	2.043	96	359	0.060	ppbv #	52
19) Isopropyl Alcohol	1.434	45	99402	11.532	ppbv #	31
20) Methylene Chloride	2.069	84	2492	0.431	ppbv	96
21) Allyl Chloride	2.107	41	321	0.029	ppbv #	1
22) trans-1,2-Dichloroethene	2.350	96	244	0.037	ppbv #	44
23) Vinyl Acetate	2.473	43	868	0.104	ppbv #	79
24) 1,1-Dichloroethane	2.415	63	401	0.030	ppbv #	37
25) Ethyl Acetate	2.836	43	5013	0.119	ppbv #	87
26) Hexane	2.836	57	5537	0.327	ppbv #	42
27) Carbon Disulfide	2.156	76	877	0.055	ppbv #	1
28) Methyl tert-Butyl Ether	2.454	73	363	0.035	ppbv #	1
29) Chloroform	3.014	83	23	0.001	ppbv	83
30) Cyclohexane	3.868	84	421	0.031	ppbv #	1
31) cis-1,2-Dichloroethene	2.729	61	714	0.043	ppbv #	85
32) 1,1,1-Trichloroethane	3.386	97	1071	0.039	ppbv	94
34) 2-Butanone	2.577	43	1555	0.071	ppbv #	88
35) Carbon Tetrachloride	3.781	117	941	0.038	ppbv #	76
36) Benzene	3.667	78	757	0.024	ppbv #	91
37) 1,2-Dichloroethane	3.230	62	436	0.025	ppbv #	79
38) Trichloroethene	4.567	130	148	0.012	ppbv #	37
39) 1,2-Dichloropropane	3.978	63	69499	6.131	ppbv #	23
40) 1,4-Dioxane	4.645	88	71	0.012	ppbv #	1
41) Tetrahydrofuran	3.078	42	189	0.015	ppbv #	36
42) Bromodichloromethane	4.515	83	808	0.034	ppbv #	79
43) Methyl Methacrylate	4.904	69	237	0.017	ppbv #	1
44) 2,2,4-Trimethylpentane	4.658	57	668	0.013	ppbv #	1
45) t-1,3-Dichloropropene	6.441	75	132	0.010	ppbv #	1

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL021725\
 Data File : VL042031.D
 Acq On : 17 Feb 2025 15:21
 Operator : SY/MD
 Sample : Q1168-15 0.03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

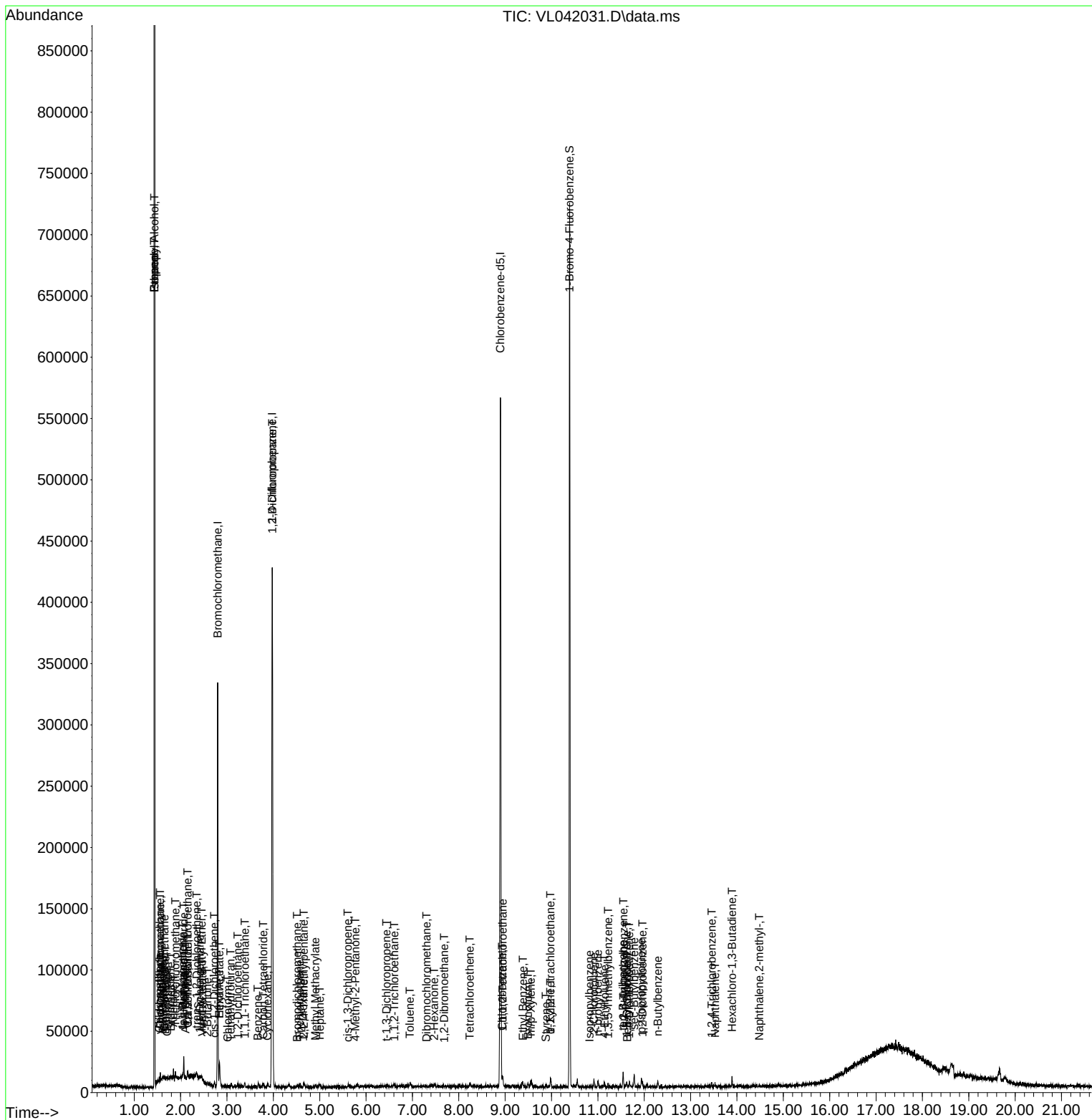
Instrument :
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 ClientSampleId :

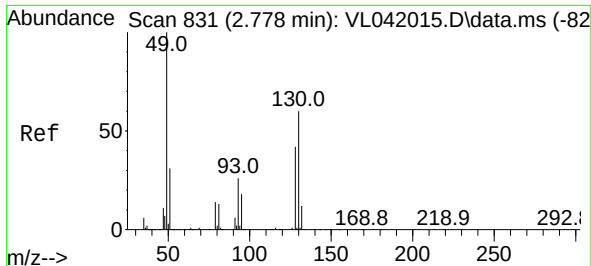
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 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Feb 18 00:13:37 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.606	75	76	0.005	ppbv	91
47) 1,1,2-Trichloroethane	6.606	97	202	0.017	ppbv #	18
48) Dibromochloromethane	7.305	129	32	0.002	ppbv	76
49) Bromoform	9.493	173	361	0.022	ppbv #	63
50) 4-Methyl-2-Pentanone	5.768	43	61	0.002	ppbv #	38
51) 2-Hexanone	7.467	43	314	0.011	ppbv #	26
52) Tetrachloroethene	8.238	164	102	0.009	ppbv #	13
53) Toluene	6.946	91	556	0.015	ppbv #	21
54) 1,2-Dibromoethane	7.687	107	110	0.007	ppbv	86
56) 1,1,1,2-Tetrachloroethane	8.946	131	241	0.014	ppbv #	1
57) Chlorobenzene	8.937	112	483	0.017	ppbv #	76
58) Ethyl Benzene	9.383	91	381	0.007	ppbv	99
59) m/p-Xylene	9.552	91	1765	0.043	ppbv #	31
60) o-Xylene	9.976	91	1726	0.042	ppbv #	33
61) Styrene	9.875	104	124	0.006	ppbv #	1
62) Isopropylbenzene	10.824	105	131	0.002	ppbv	95
63) 1,1,2,2-Tetrachloroethane	9.976	83	1216	0.046	ppbv #	54
64) n-propylbenzene	11.002	120	602	0.040	ppbv	74
65) tert-Butylbenzene	11.539	119	2611	0.049	ppbv	88
66) Benzyl Chloride	11.636	91	76	0.014	ppbv #	92
67) sec-Butylbenzene	11.782	105	2971	0.039	ppbv	98
69) p-Isopropyltoluene	11.937	119	2400	0.039	ppbv	98
70) n-Butylbenzene	12.290	91	2258	0.037	ppbv #	93
71) 2-Chlorotoluene	10.914	91	2150	0.046	ppbv	91
72) 4-Ethyltoluene	11.144	105	1681	0.035	ppbv #	91
73) 1,3,5-Trimethylbenzene	11.222	105	862	0.021	ppbv	96
74) 1,2,4-Trimethylbenzene	11.549	105	1819	0.041	ppbv #	89
75) 1,3-Dichlorobenzene	11.623	146	297	0.012	ppbv #	1
76) 1,4-Dichlorobenzene	11.678	146	749	0.032	ppbv	91
77) 1,2-Dichlorobenzene	11.963	146	1058	0.046	ppbv	91
78) Hexachloro-1,3-Butadiene	13.892	225	783	0.041	ppbv #	89
79) Naphthalene	13.526	128	516	0.012	ppbv #	79
80) Naphthalene,2-methyl-	14.481	142	103	0.005	ppbv	96
81) 1,2,4-Trichlorobenzene	13.455	180	198	0.011	ppbv #	1

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

Quant Time: Feb 18 00:27:21 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

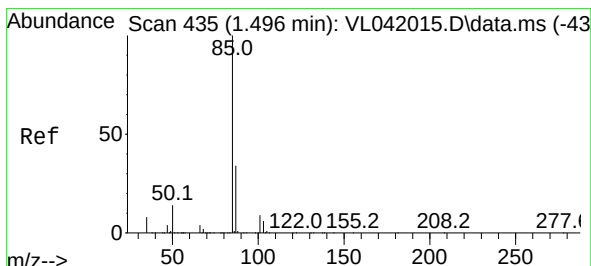
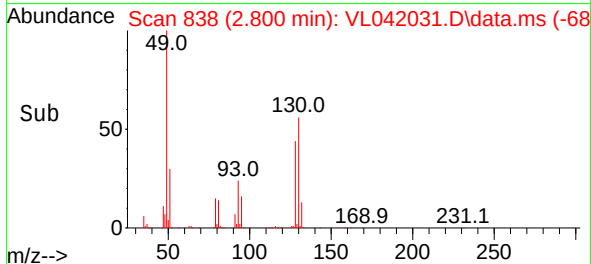
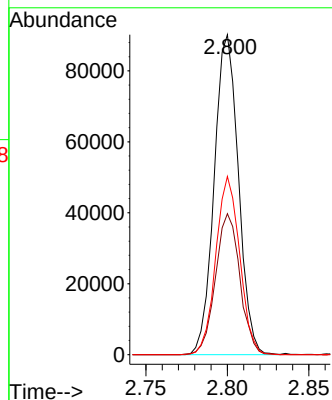
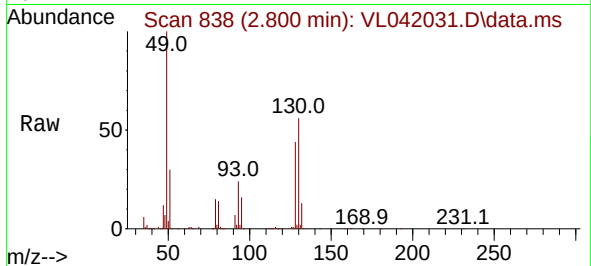




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 2.800 min Scan# 831
 Delta R.T. 0.000 min
 Lab File: VL042031.D
 Acq: 17 Feb 2025 15:21

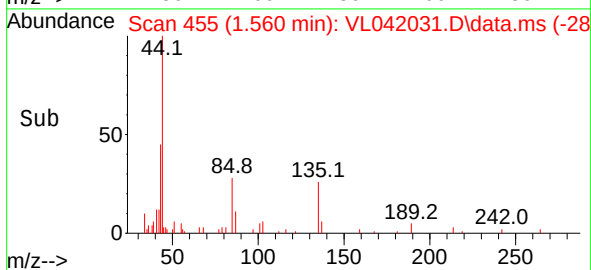
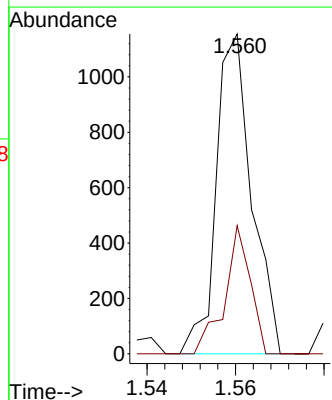
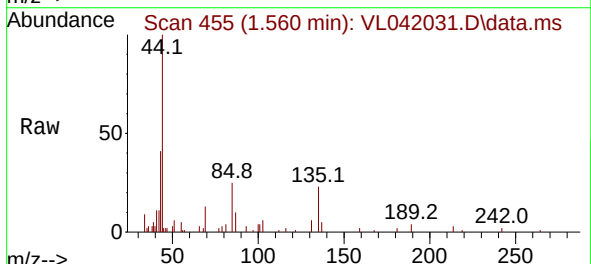
Instrument :
 MSVOA_L
 ClientSampleId :

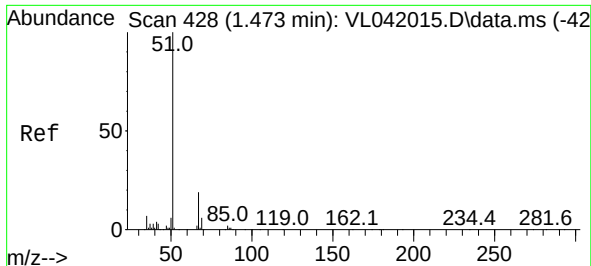
Tgt Ion: 49 Resp: 93133
 Ion Ratio Lower Upper
 49 100
 128 44.5 22.7 68.0
 130 54.8 29.9 89.8



#2
 Dichlorodifluoromethane
 Concen: 0.040 ppbv
 RT: 1.560 min Scan# 455
 Delta R.T. 0.058 min
 Lab File: VL042031.D
 Acq: 17 Feb 2025 15:21

Tgt Ion: 85 Resp: 643
 Ion Ratio Lower Upper
 85 100
 87 40.1 26.9 40.3

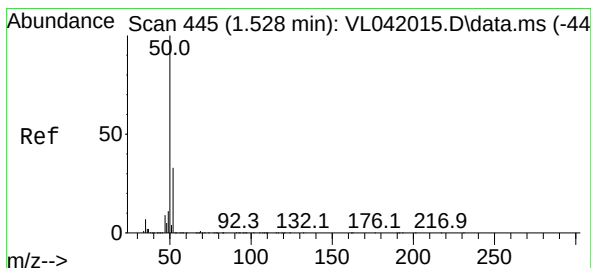
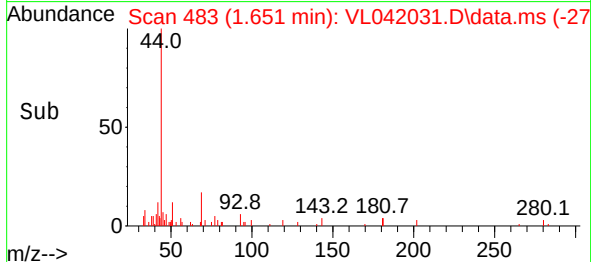
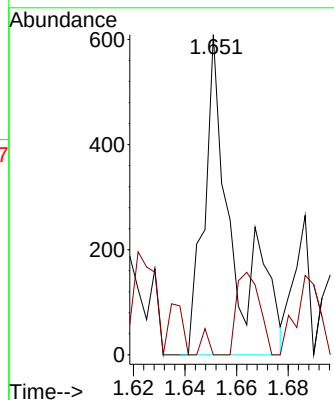
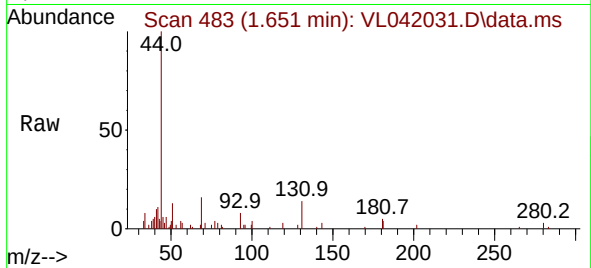




#3
Chlorodifluoromethane
Concen: 0.026 ppbv
RT: 1.651 min Scan# 448
Delta R.T. 0.172 min
Lab File: VL042031.D
Acq: 17 Feb 2025 15:21

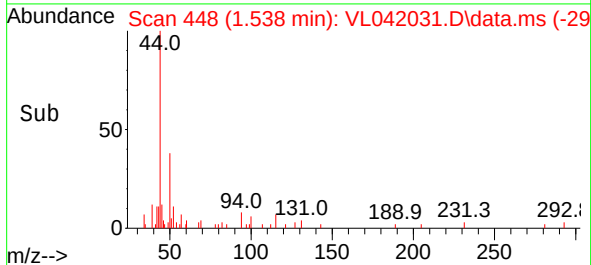
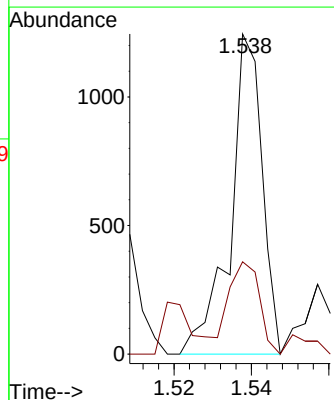
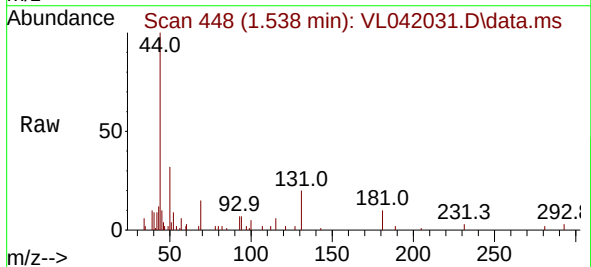
Instrument :
MSVOA_L
ClientSampleId :

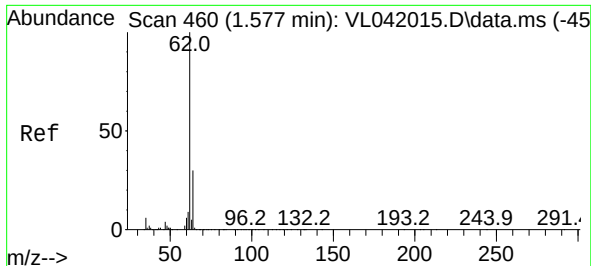
Tgt Ion: 51 Resp: 467
Ion Ratio Lower Upper
51 100
67 20.8 15.0 22.6



#4
Chloromethane
Concen: 0.114 ppbv
RT: 1.538 min Scan# 448
Delta R.T. 0.000 min
Lab File: VL042031.D
Acq: 17 Feb 2025 15:21

Tgt Ion: 50 Resp: 708
Ion Ratio Lower Upper
50 100
52 28.8 26.2 39.2





#5

Vinyl Chloride

Concen: 0.038 ppbv

RT: 1.586 min Scan# 4

Delta R.T. 0.000 min

Lab File: VL042031.D

Acq: 17 Feb 2025 15:21

Instrument :

MSVOA_L

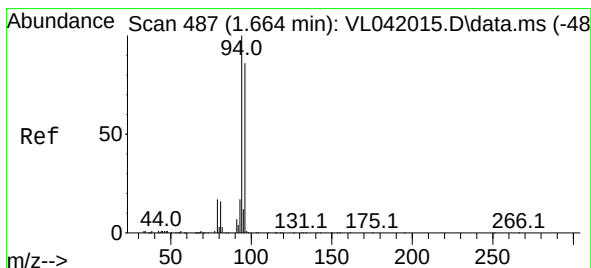
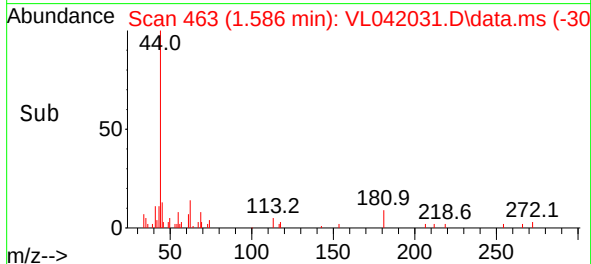
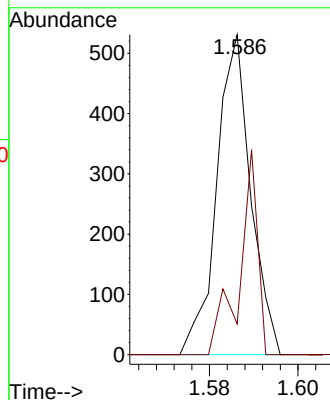
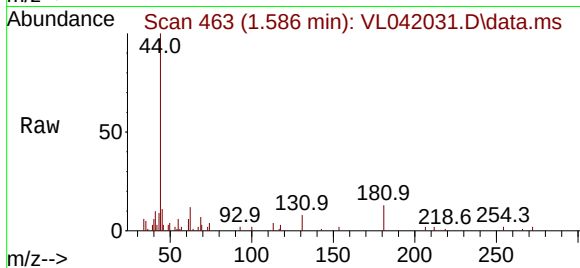
ClientSampleId :

Tgt Ion: 62 Resp: 283

Ion Ratio Lower Upper

62 100

64 9.6 24.4 36.6#



#6

Bromomethane

Concen: 0.041 ppbv

RT: 1.674 min Scan# 490

Delta R.T. 0.000 min

Lab File: VL042031.D

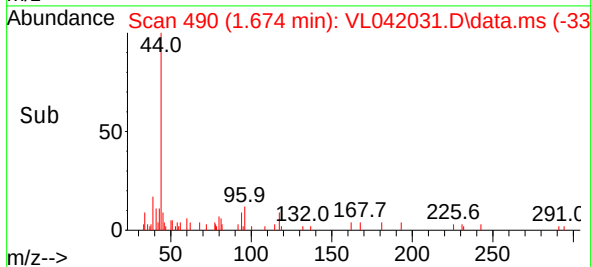
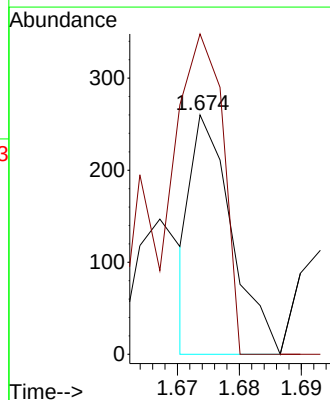
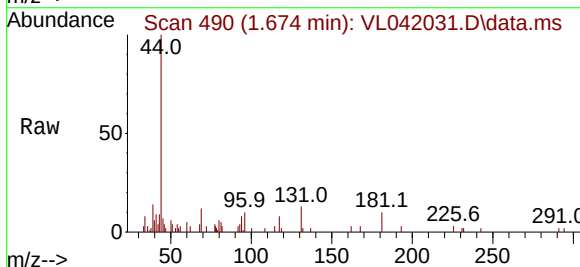
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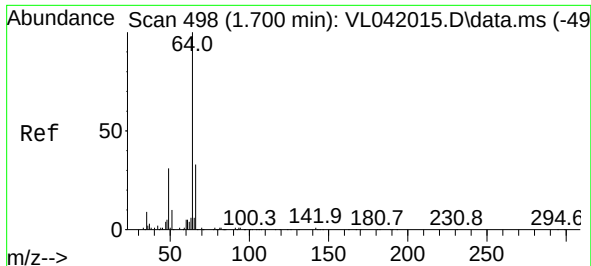
Tgt Ion: 94 Resp: 117

Ion Ratio Lower Upper

94 100

96 133.8 69.0 103.6#

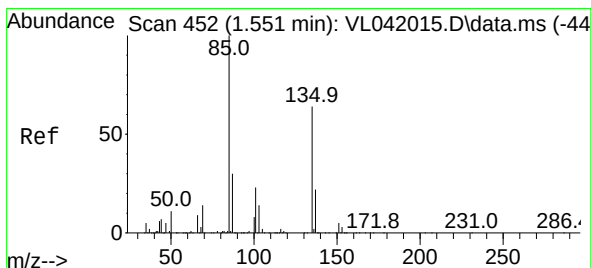
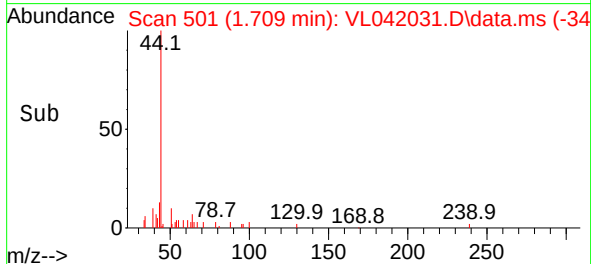
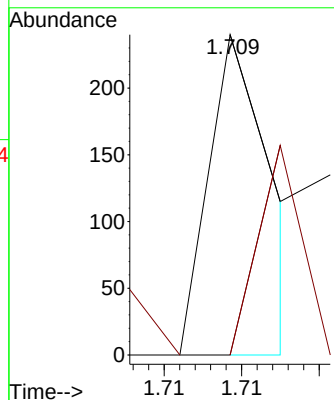
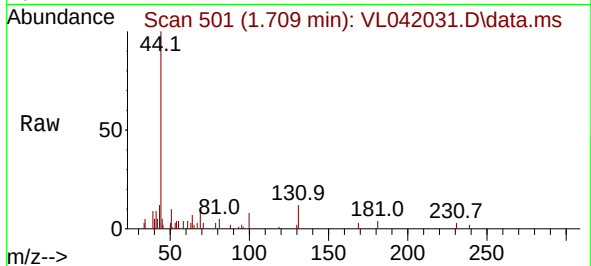




#7
Chloroethane
Concen: 0.028 ppbv
RT: 1.709 min Scan# 501
Delta R.T. 0.000 min
Lab File: VL042031.D
Acq: 17 Feb 2025 15:21

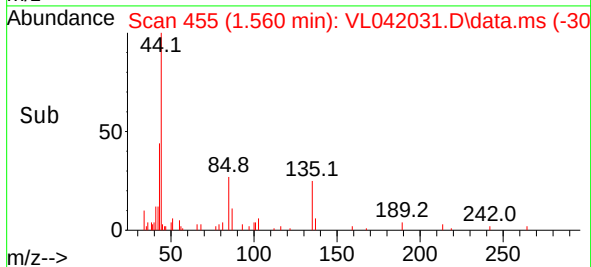
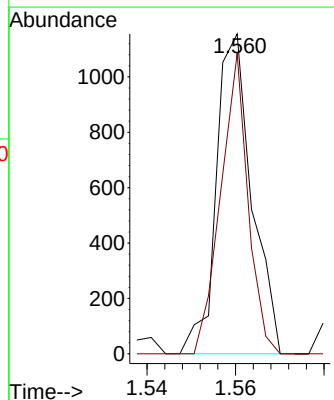
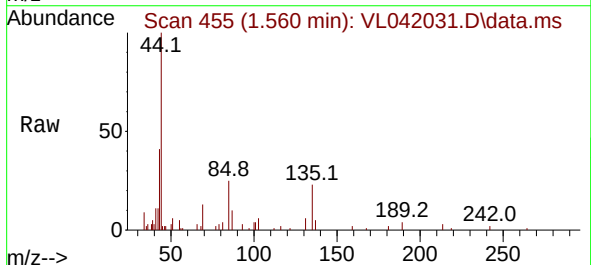
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MSVOA_L
ClientSampleId :

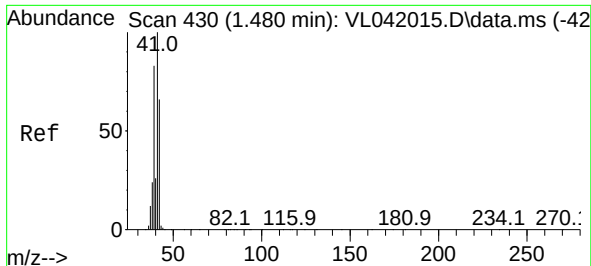
Tgt Ion: 64 Resp: 69
Ion Ratio Lower Upper
64 100
66 0.0 26.5 39.7#



#8
Dichlorotetrafluoroethane
Concen: 0.046 ppbv
RT: 1.560 min Scan# 455
Delta R.T. 0.000 min
Lab File: VL042031.D
Acq: 17 Feb 2025 15:21

Tgt Ion: 85 Resp: 643
Ion Ratio Lower Upper
85 100
135 72.2 50.9 76.3

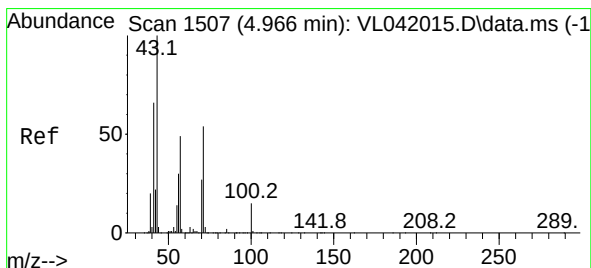
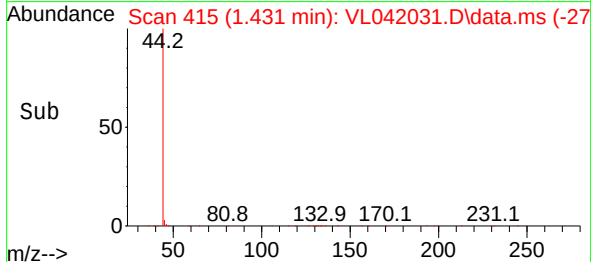
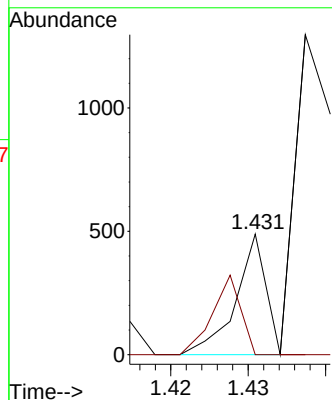
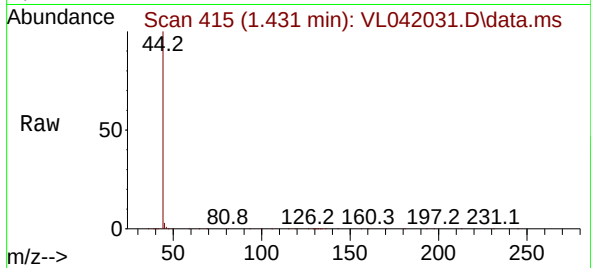




#9
 Propene
 Concen: 0.017 ppbv
 RT: 1.431 min Scan# 41
 Delta R.T. -0.058 min
 Lab File: VL042031.D
 Acq: 17 Feb 2025 15:21

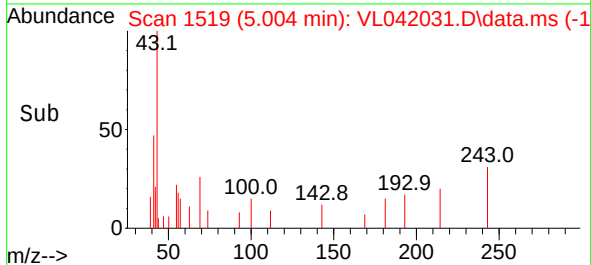
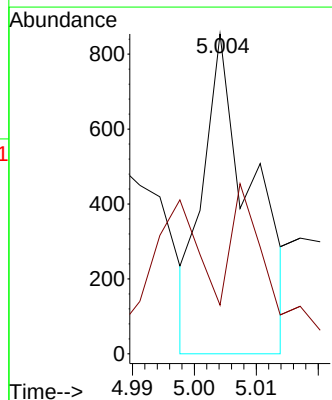
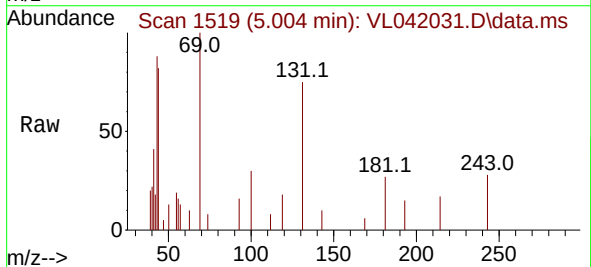
Instrument :
 MSVOA_L
 ClientSampleId :

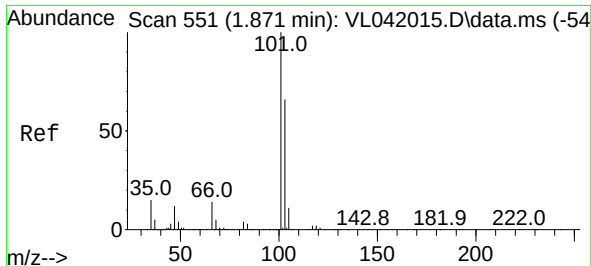
Tgt Ion: 41 Resp: 132
 Ion Ratio Lower Upper
 41 100
 42 74.2 53.5 80.3



#10
 Heptane
 Concen: 0.022 ppbv
 RT: 5.004 min Scan# 1519
 Delta R.T. 0.000 min
 Lab File: VL042031.D
 Acq: 17 Feb 2025 15:21

Tgt Ion: 43 Resp: 470
 Ion Ratio Lower Upper
 43 100
 57 129.4 41.0 61.6#

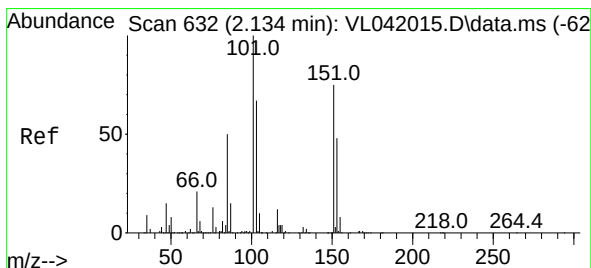
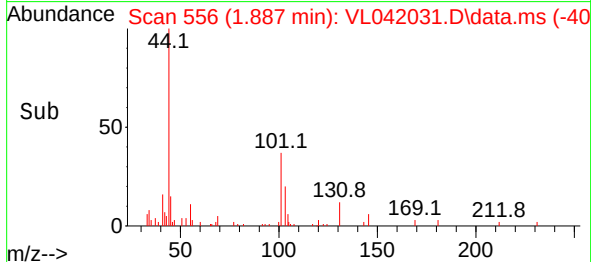
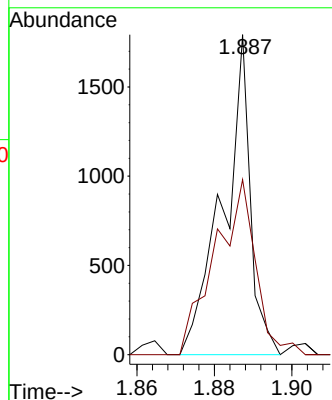
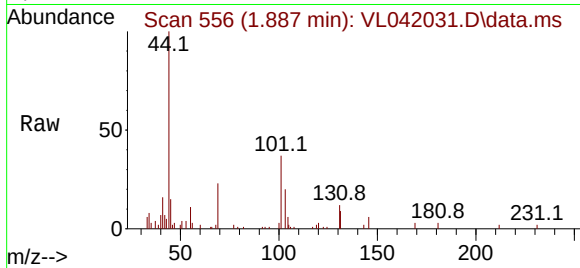




#11
 Trichlorofluoromethane
 Concen: 0.054 ppbv
 RT: 1.887 min Scan# 551
 Delta R.T. 0.003 min
 Lab File: VL042031.D
 Acq: 17 Feb 2025 15:21

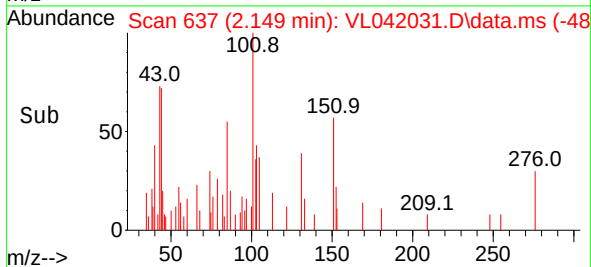
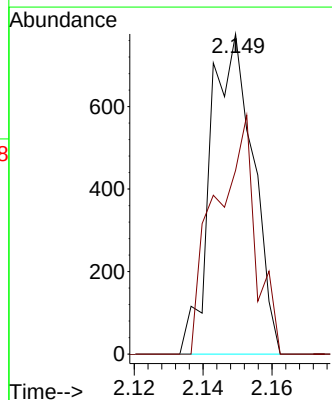
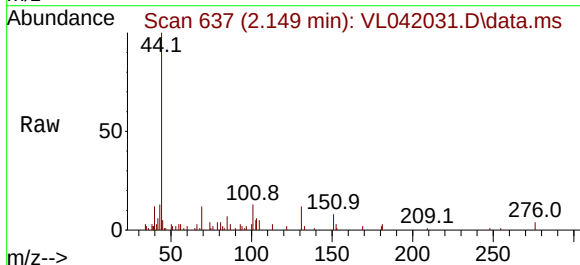
Instrument :
 MSVOA_L
 ClientSampleId :

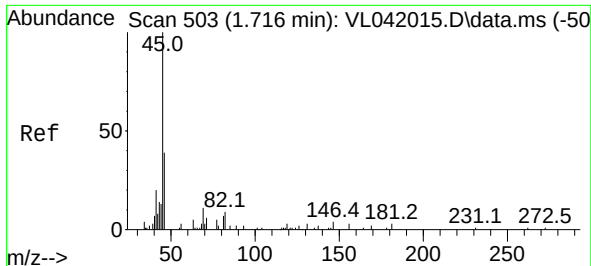
Tgt Ion:101 Resp: 870
 Ion Ratio Lower Upper
 101 100
 103 54.7 52.9 79.3



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.053 ppbv
 RT: 2.149 min Scan# 637
 Delta R.T. 0.000 min
 Lab File: VL042031.D
 Acq: 17 Feb 2025 15:21

Tgt Ion:101 Resp: 665
 Ion Ratio Lower Upper
 101 100
 151 70.4 58.2 87.2





#13

Ethanol

Concen: 115.333 ppbv

RT: 1.434 min Scan# 41

Delta R.T. -0.294 min

Lab File: VL042031.D

Acq: 17 Feb 2025 15:21

Instrument :

MSVOA_L

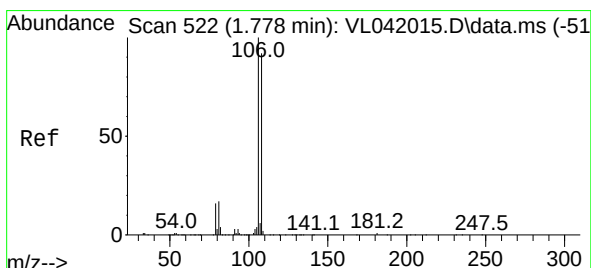
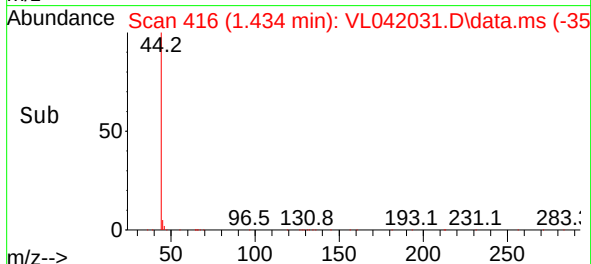
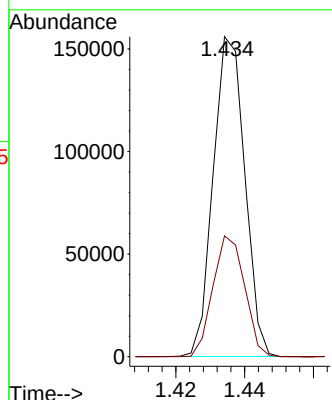
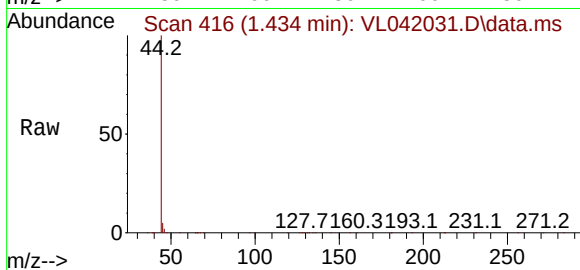
ClientSampleId :

Tgt Ion: 45 Resp: 99402

Ion Ratio Lower Upper

45 100

46 37.9 21.3 85.1



#14

Bromoethene

Concen: 0.059 ppbv

RT: 1.790 min Scan# 526

Delta R.T. 0.003 min

Lab File: VL042031.D

Acq: 17 Feb 2025 15:21

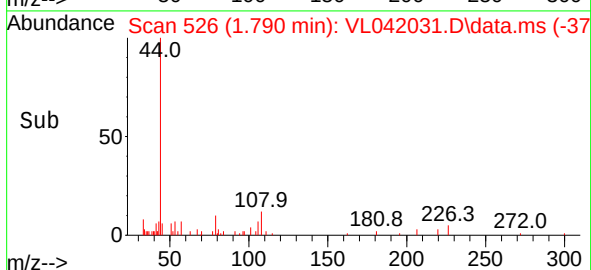
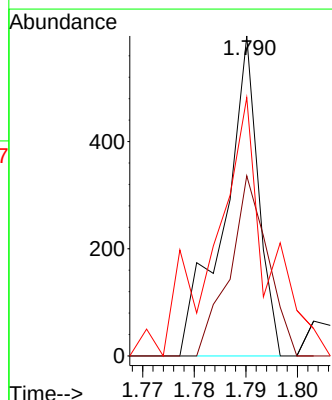
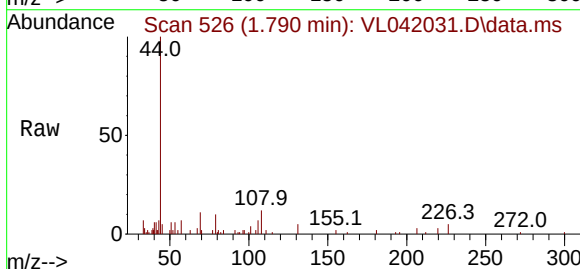
Tgt Ion:108 Resp: 275

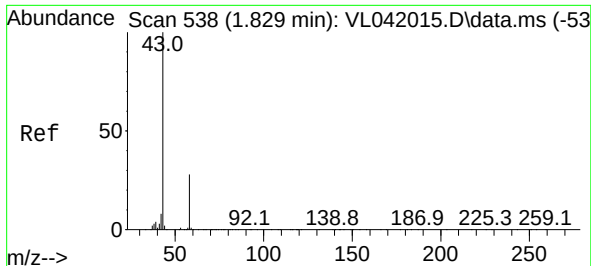
Ion Ratio Lower Upper

108 100

106 62.9 85.0 127.6#

79 251.3 17.3 25.9#





#15

Acetone

Concen: 0.199 ppbv

RT: 1.842 min Scan# 542

Delta R.T. 0.000 min

Lab File: VL042031.D

Acq: 17 Feb 2025 15:21

Instrument :

MSVOA_L

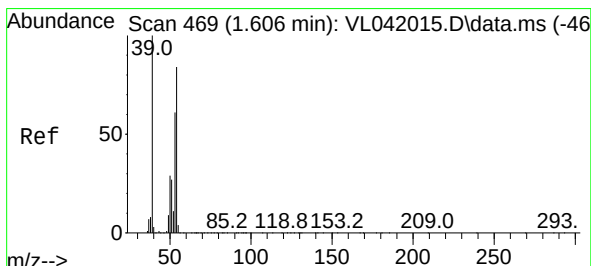
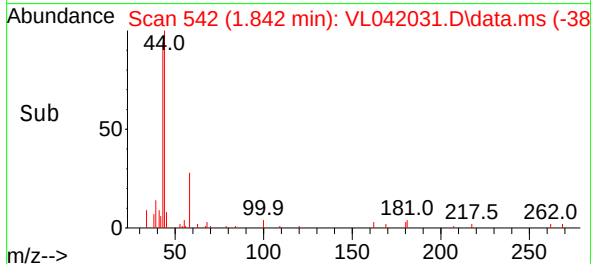
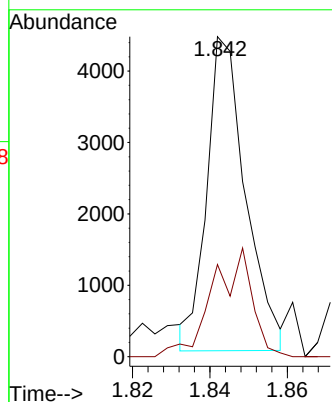
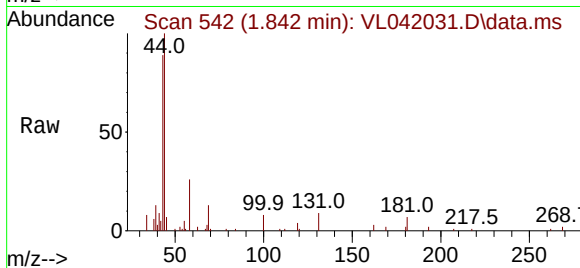
ClientSampleId :

Tgt Ion: 43 Resp: 3059

Ion Ratio Lower Upper

43 100

58 35.2 22.9 34.3#



#16

1,3-Butadiene

Concen: 0.094 ppbv

RT: 1.615 min Scan# 472

Delta R.T. 0.000 min

Lab File: VL042031.D

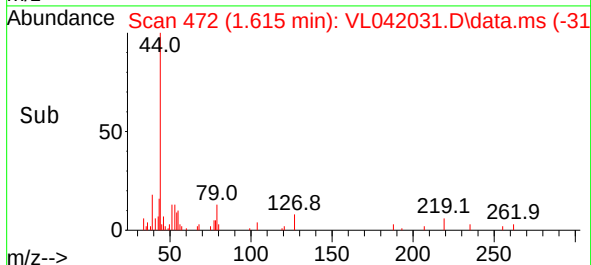
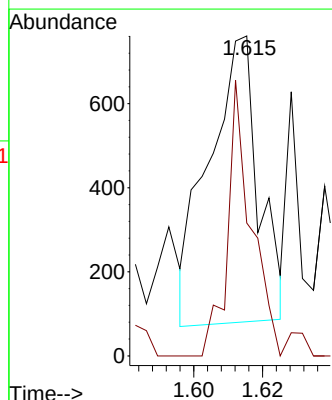
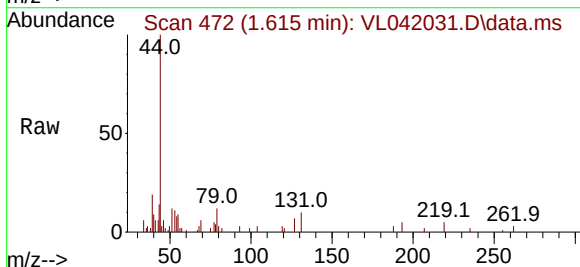
Acq: 17 Feb 2025 15:21

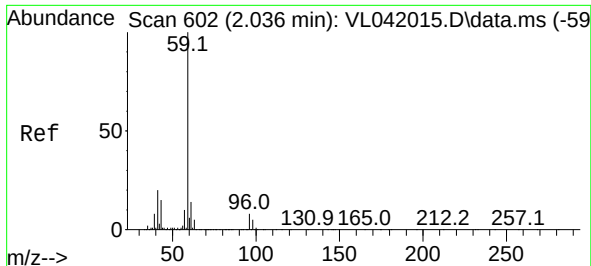
Tgt Ion: 39 Resp: 686

Ion Ratio Lower Upper

39 100

54 48.4 59.4 89.2#

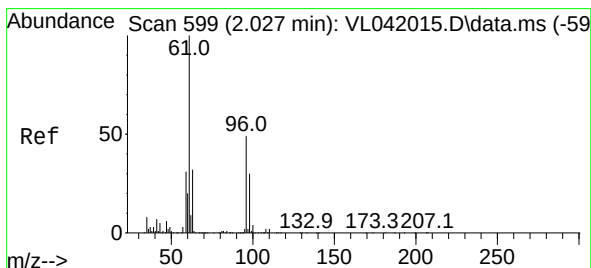
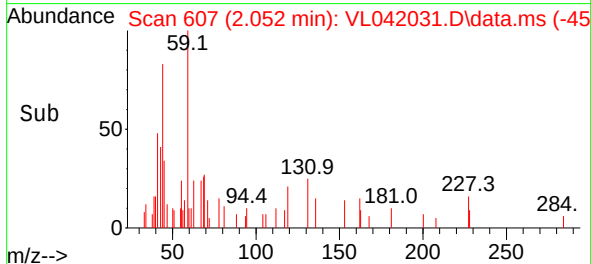
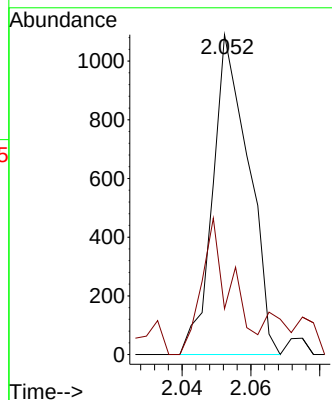
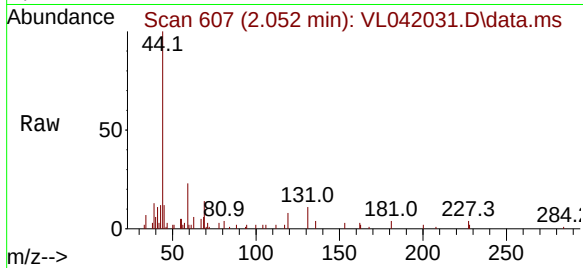




#17
tert-Butyl alcohol
Concen: 0.041 ppbv
RT: 2.052 min Scan# 607
Delta R.T. 0.003 min
Lab File: VL042031.D
Acq: 17 Feb 2025 15:21

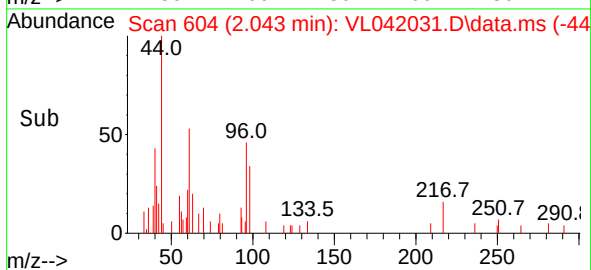
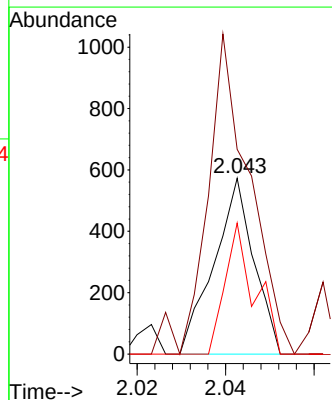
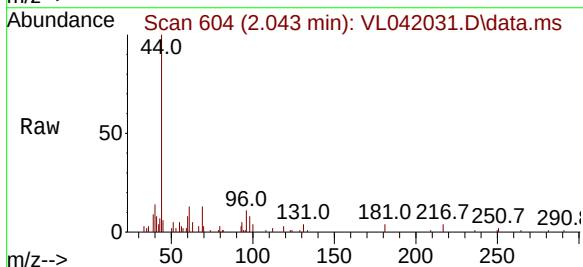
Instrument :
MSVOA_L
ClientSampleId :

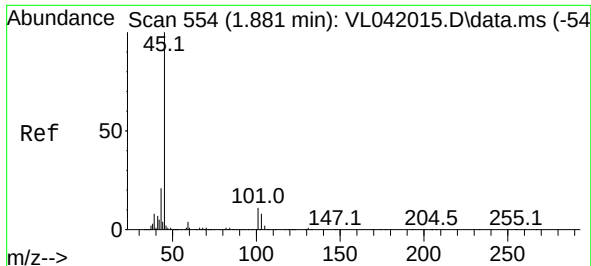
Tgt Ion: 59 Resp: 788
Ion Ratio Lower Upper
59 100
57 47.0 9.2 13.8#



#18
1,1-Dichloroethene
Concen: 0.060 ppbv
RT: 2.043 min Scan# 604
Delta R.T. 0.000 min
Lab File: VL042031.D
Acq: 17 Feb 2025 15:21

Tgt Ion: 96 Resp: 359
Ion Ratio Lower Upper
96 100
61 116.4 163.5 245.3#
98 74.5 49.4 74.0#





#19

Isopropyl Alcohol

Concen: 11.532 ppbv

RT: 1.434 min Scan# 416

Delta R.T. -0.459 min

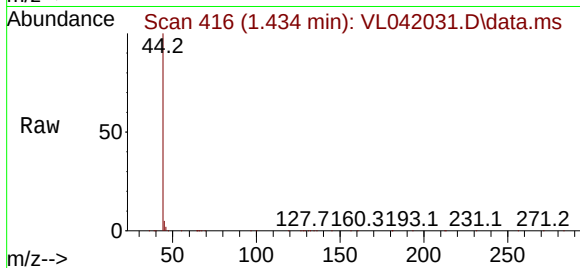
Lab File: VL042031.D

Acq: 17 Feb 2025 15:21

Instrument :

MSVOA_L

ClientSampleId :

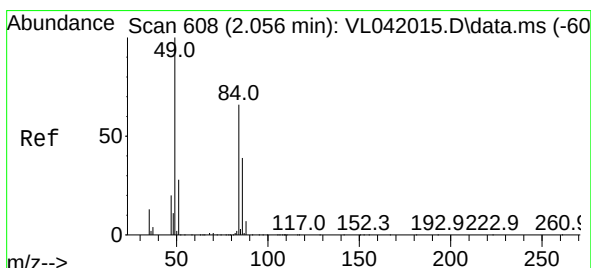
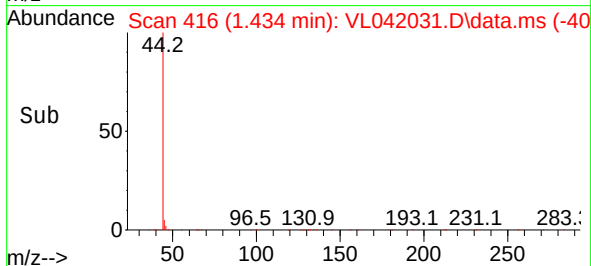
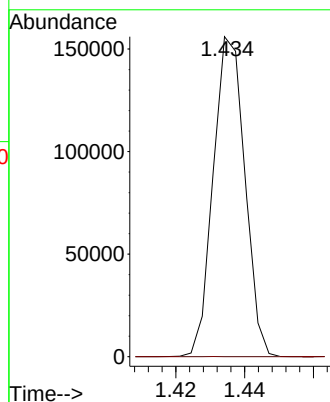


Tgt Ion: 45 Resp: 99402

Ion Ratio Lower Upper

45 100

58 0.2 36.2 54.4#



#20

Methylene Chloride

Concen: 0.431 ppbv

RT: 2.069 min Scan# 612

Delta R.T. 0.000 min

Lab File: VL042031.D

Acq: 17 Feb 2025 15:21

Tgt Ion: 84 Resp: 2492

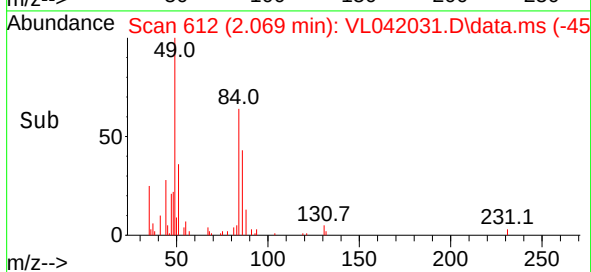
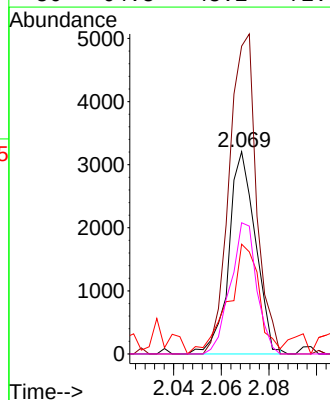
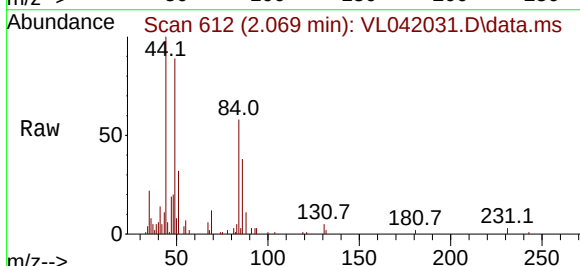
Ion Ratio Lower Upper

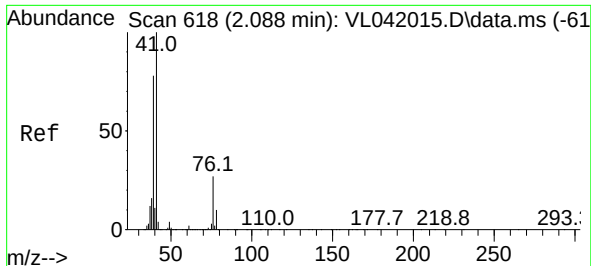
84 100

49 152.2 121.0 181.4

51 51.6 35.1 52.7

86 64.8 48.2 72.4





#21

Allyl Chloride

Concen: 0.029 ppbv

RT: 2.107 min Scan# 618

Delta R.T. 0.003 min

Lab File: VL042031.D

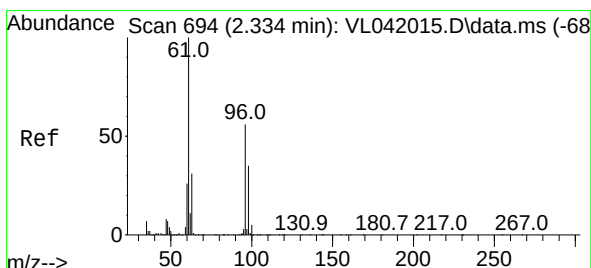
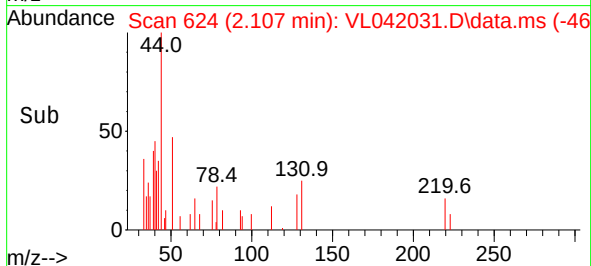
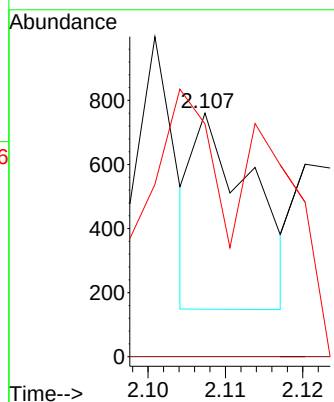
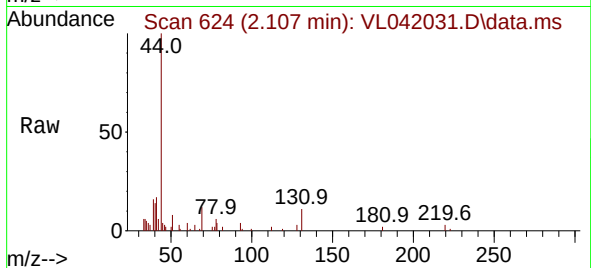
Acq: 17 Feb 2025 15:21

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 41	Resp: 321
Ion Ratio	Lower Upper
41	100
76	0.0 23.7 35.5#
39	349.8 63.0 94.6#



#22

trans-1,2-Dichloroethene

Concen: 0.037 ppbv

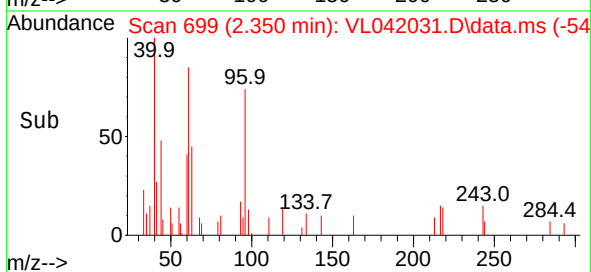
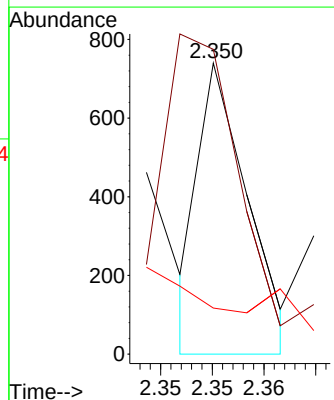
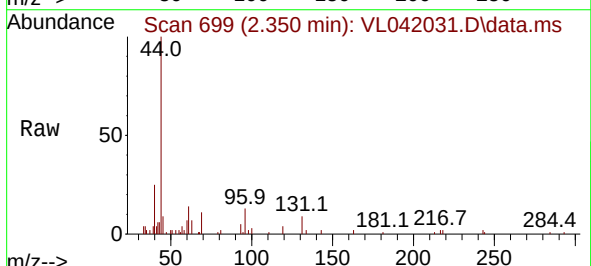
RT: 2.350 min Scan# 699

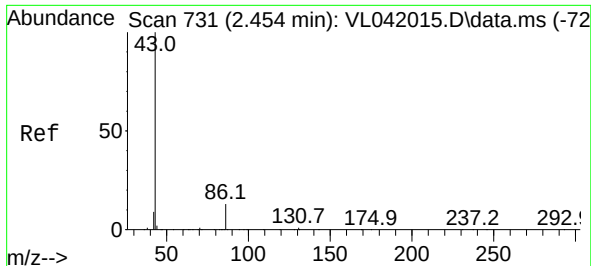
Delta R.T. 0.000 min

Lab File: VL042031.D

Acq: 17 Feb 2025 15:21

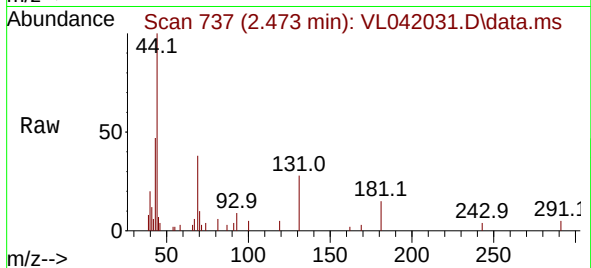
Tgt Ion: 96	Resp: 244
Ion Ratio	Lower Upper
96	100
61	112.3 142.3 213.5#
98	0.0 50.2 75.2#



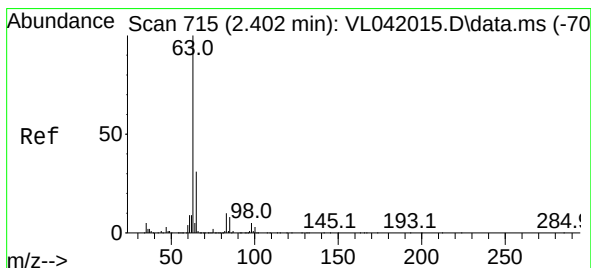
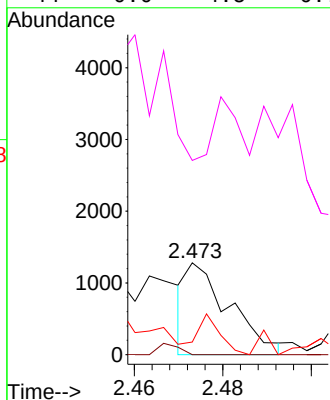
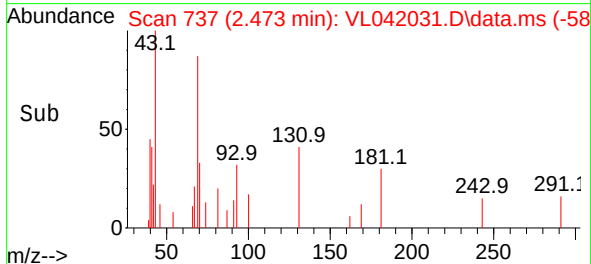


#23
 Vinyl Acetate
 Concen: 0.104 ppbv
 RT: 2.473 min Scan# 719
 Delta R.T. 0.000 min
 Lab File: VL042031.D
 Acq: 17 Feb 2025 15:21

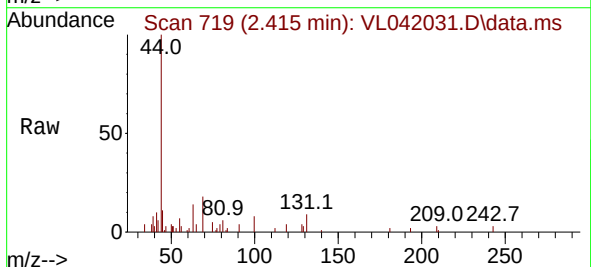
Instrument :
 MSVOA_L
 ClientSampleId :



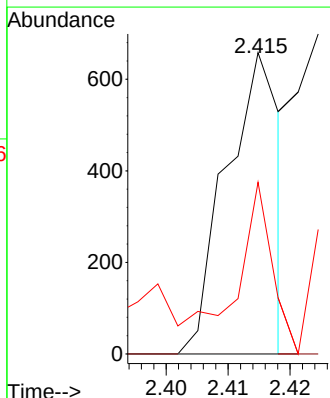
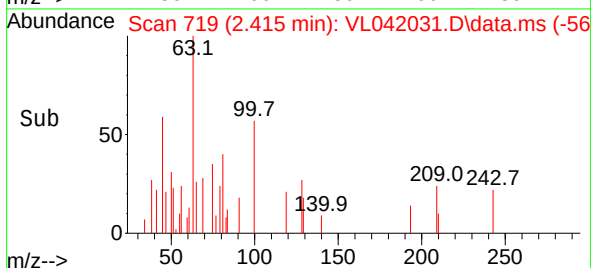
Tgt Ion:	43	Resp:	868
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.1	12.1#
42	15.8	7.5	11.3#
44	0.0	4.5	6.7#

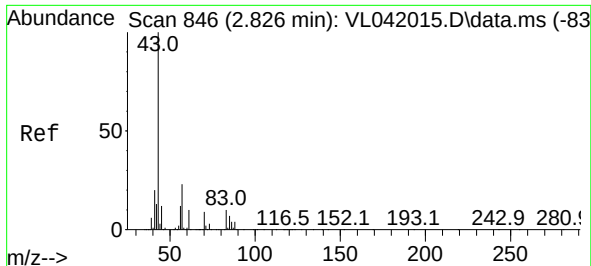


#24
 1,1-Dichloroethane
 Concen: 0.030 ppbv
 RT: 2.415 min Scan# 719
 Delta R.T. -0.003 min
 Lab File: VL042031.D
 Acq: 17 Feb 2025 15:21



Tgt Ion:	63	Resp:	401
Ion	Ratio	Lower	Upper
63	100		
98	0.0	2.4	7.2#
100	47.7	1.6	4.8#





#25

Ethyl Acetate

Concen: 0.119 ppbv

RT: 2.836 min Scan# 849

Delta R.T. -0.013 min

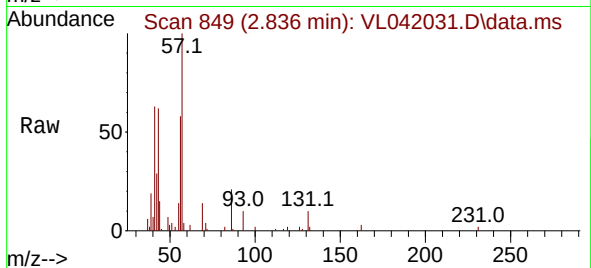
Lab File: VL042031.D

Acq: 17 Feb 2025 15:21

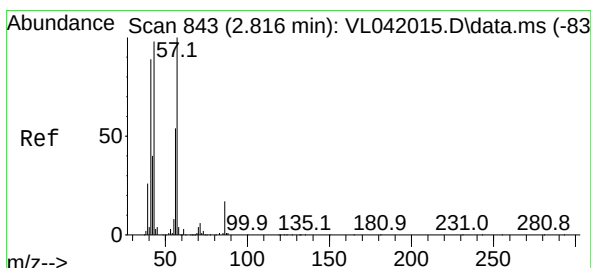
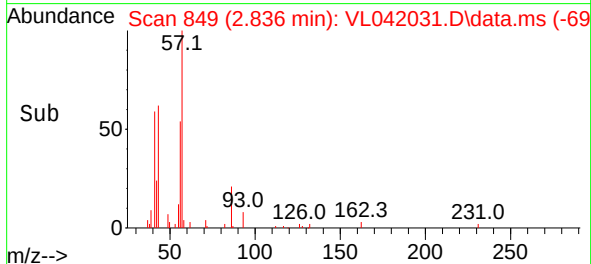
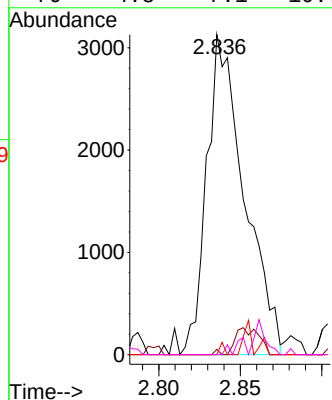
Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion: 43	Resp: 5013
Ion Ratio	Lower Upper
43	100
45	5.4 8.1 12.1#
61	3.4 7.5 11.3#
70	4.8 7.1 10.7#



#26

Hexane

Concen: 0.327 ppbv

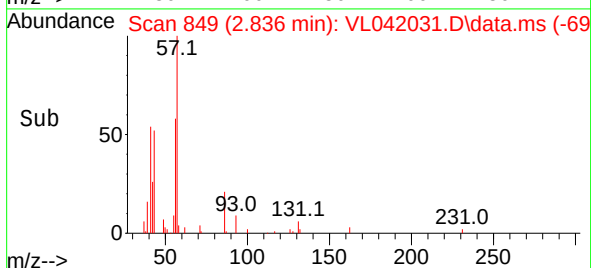
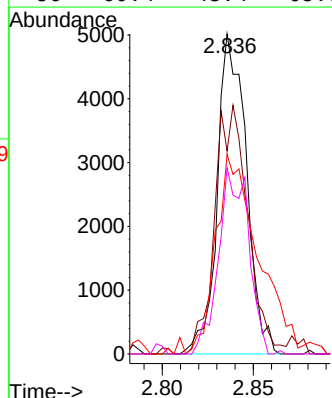
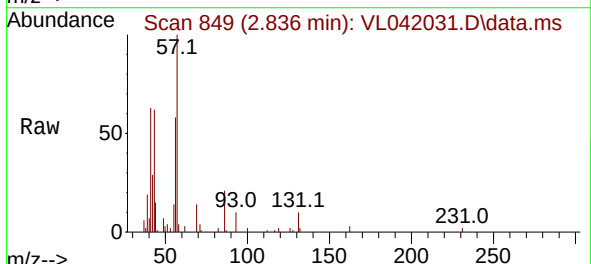
RT: 2.836 min Scan# 849

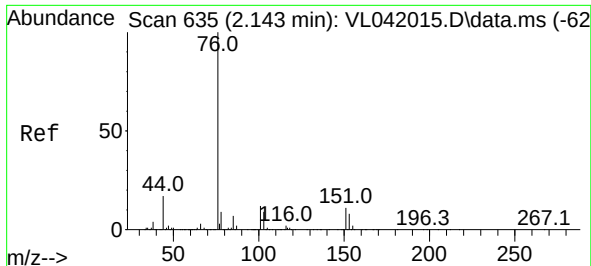
Delta R.T. -0.003 min

Lab File: VL042031.D

Acq: 17 Feb 2025 15:21

Tgt Ion: 57	Resp: 5537
Ion Ratio	Lower Upper
57	100
41	91.8 73.2 109.8
43	93.8 200.8 301.2#
56	60.4 43.4 65.0





#27

Carbon Disulfide

Concen: 0.055 ppbv

RT: 2.156 min Scan# 61

Delta R.T. -0.003 min

Lab File: VL042031.D

Acq: 17 Feb 2025 15:21

Instrument :

MSVOA_L

ClientSampleId :

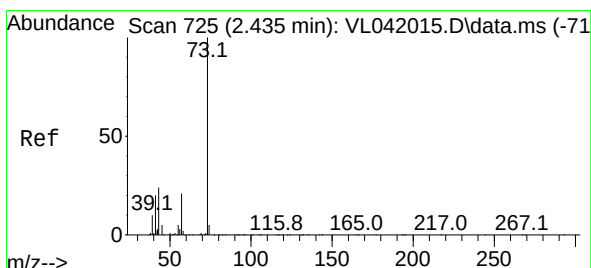
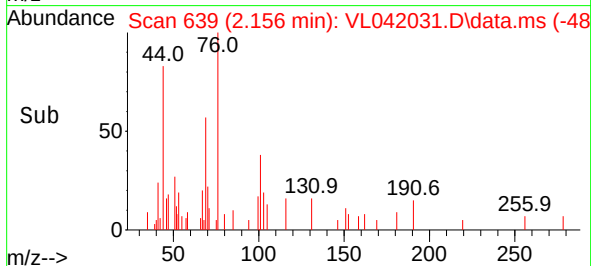
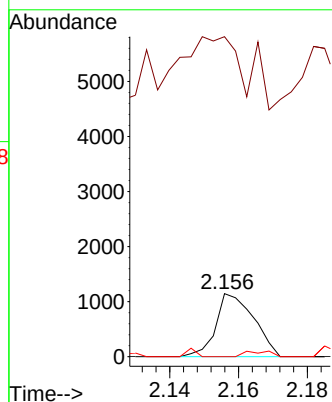
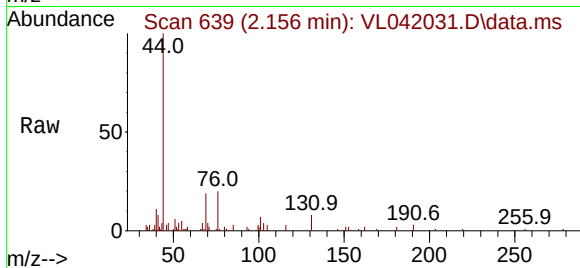
Tgt Ion: 76 Resp: 877

Ion Ratio Lower Upper

76 100

44 902.3 18.1 27.1#

78 9.2 9.5 14.3#



#28

Methyl tert-Butyl Ether

Concen: 0.035 ppbv

RT: 2.454 min Scan# 731

Delta R.T. 0.000 min

Lab File: VL042031.D

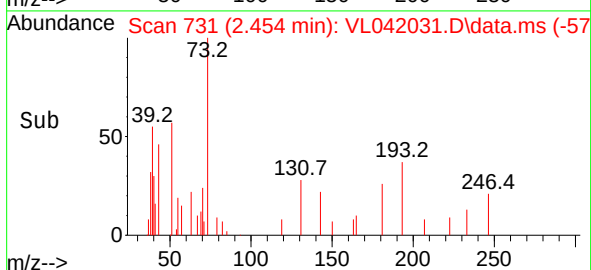
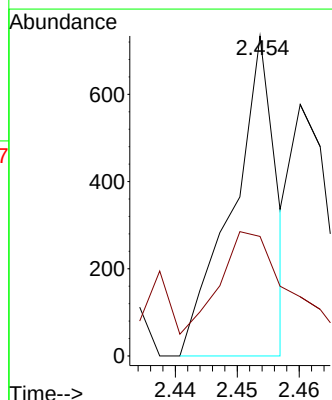
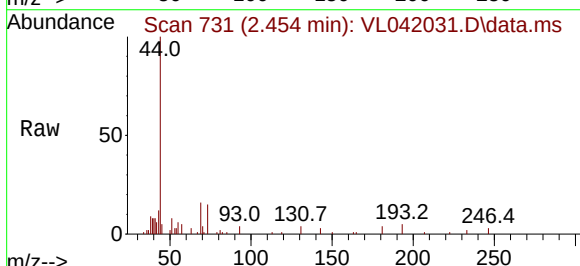
Acq: 17 Feb 2025 15:21

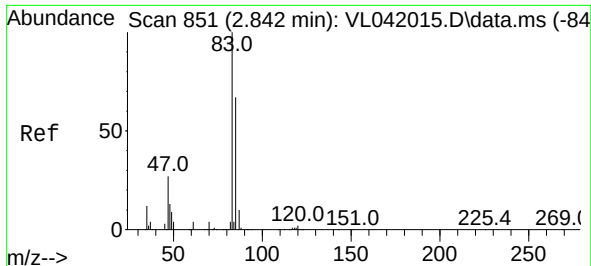
Tgt Ion: 73 Resp: 363

Ion Ratio Lower Upper

73 100

57 106.3 18.3 27.5#





#29

Chloroform

Concen: 0.001 ppbv

RT: 3.014 min Scan# 904

Delta R.T. 0.152 min

Lab File: VL042031.D

Acq: 17 Feb 2025 15:21

Instrument :

MSVOA_L

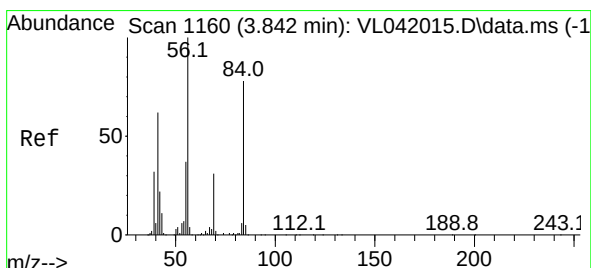
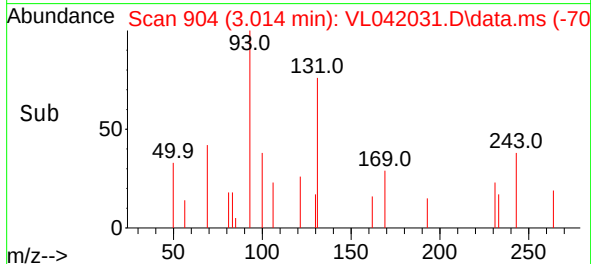
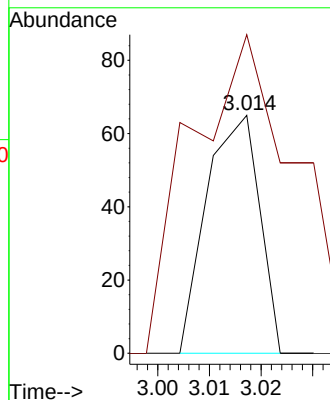
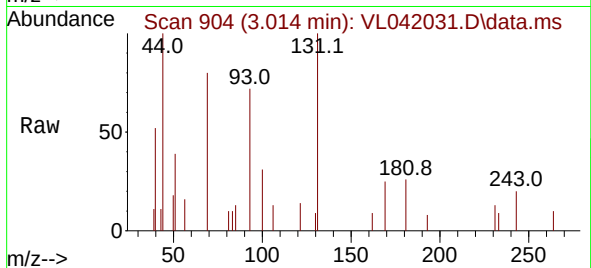
ClientSampleId :

Tgt Ion: 83 Resp: 23

Ion Ratio Lower Upper

83 100

85 53.8 53.8 80.6



#30

Cyclohexane

Concen: 0.031 ppbv

RT: 3.868 min Scan# 1168

Delta R.T. -0.006 min

Lab File: VL042031.D

Acq: 17 Feb 2025 15:21

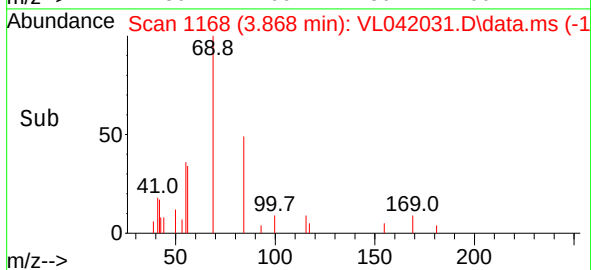
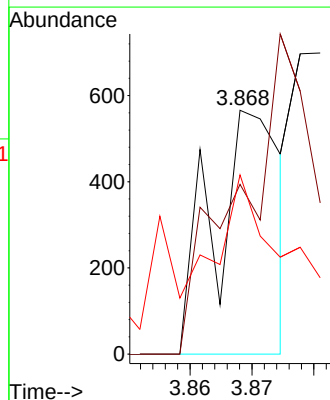
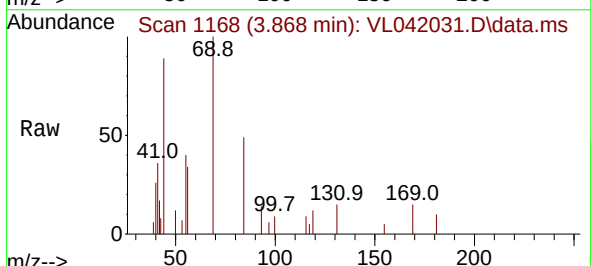
Tgt Ion: 84 Resp: 421

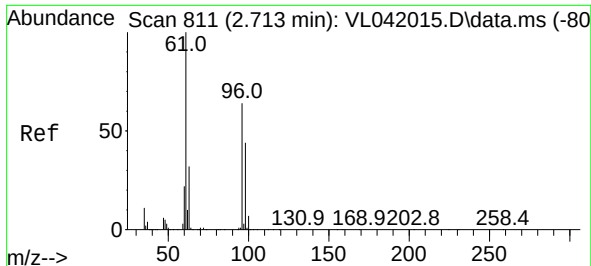
Ion Ratio Lower Upper

84 100

56 220.9 99.5 149.3#

41 253.9 62.2 93.2#





#31

cis-1,2-Dichloroethene

Concen: 0.043 ppbv

RT: 2.729 min Scan# 811

Delta R.T. -0.003 min

Lab File: VL042031.D

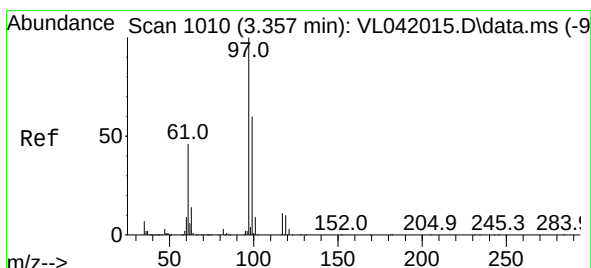
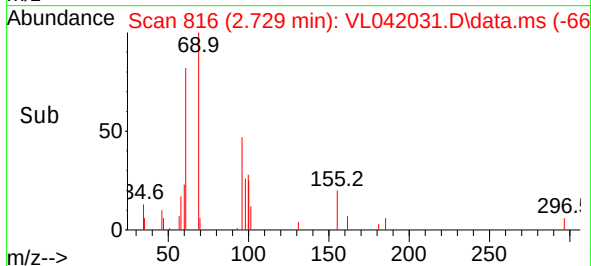
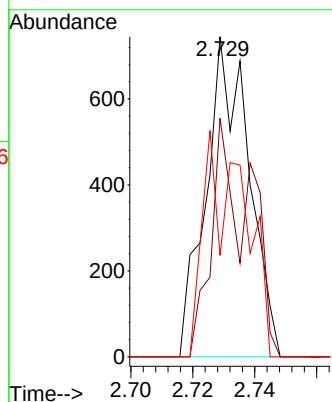
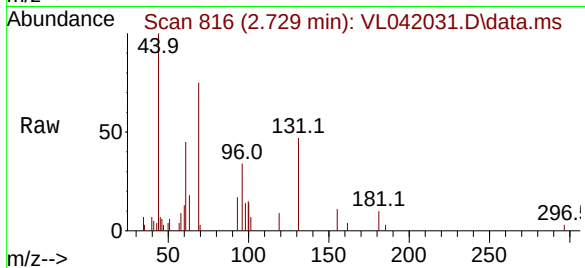
Acq: 17 Feb 2025 15:21

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:	61	Resp:	714
Ion	Ratio	Lower	Upper
61	100		
96	74.5	51.6	77.4
98	31.7	34.8	52.2#



#32

1,1,1-Trichloroethane

Concen: 0.039 ppbv

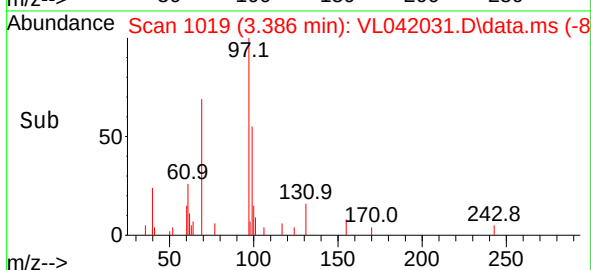
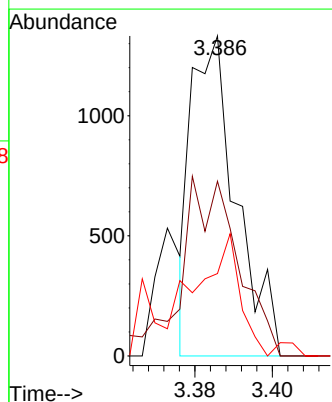
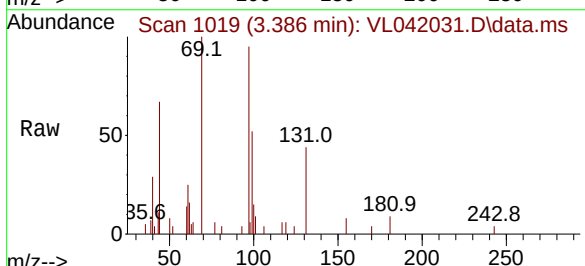
RT: 3.386 min Scan# 1019

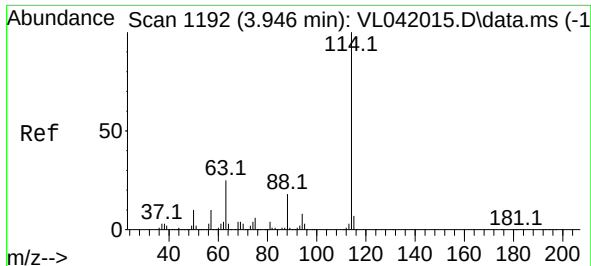
Delta R.T. 0.003 min

Lab File: VL042031.D

Acq: 17 Feb 2025 15:21

Tgt Ion:	97	Resp:	1071
Ion	Ratio	Lower	Upper
97	100		
99	70.5	51.0	76.4
61	48.9	37.9	56.9





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.975 min Scan# 1192

Delta R.T. -0.003 min

Lab File: VL042031.D

Acq: 17 Feb 2025 15:21

Instrument :

MSVOA_L

ClientSampleId :

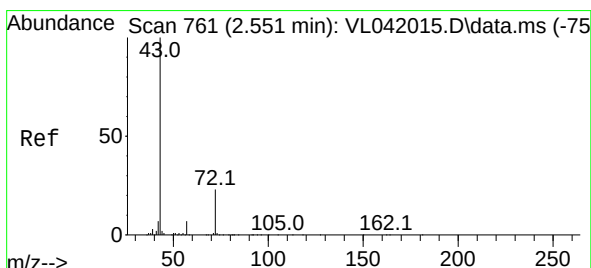
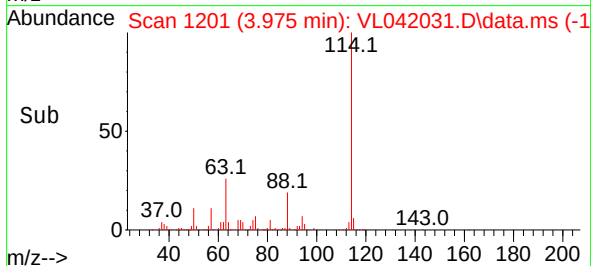
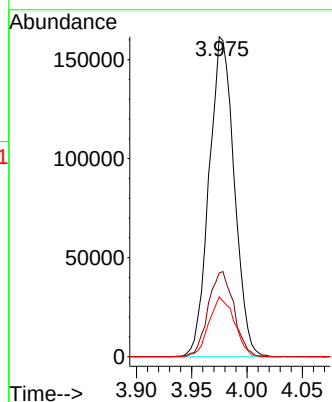
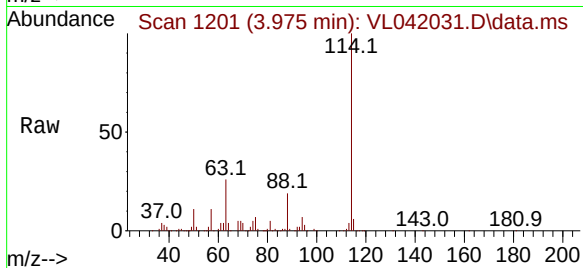
Tgt Ion:114 Resp: 255258

Ion Ratio Lower Upper

114 100

63 27.2 20.2 30.2

88 18.9 14.4 21.6



#34

2-Butanone

Concen: 0.071 ppbv

RT: 2.577 min Scan# 769

Delta R.T. 0.007 min

Lab File: VL042031.D

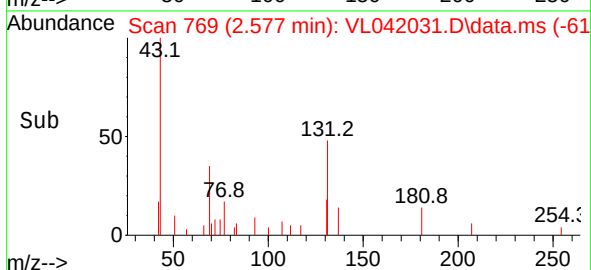
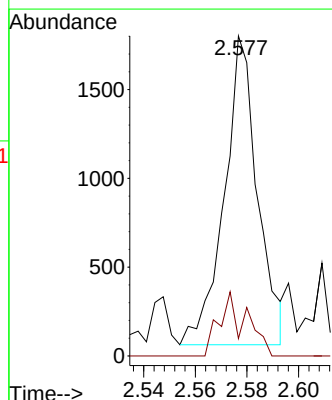
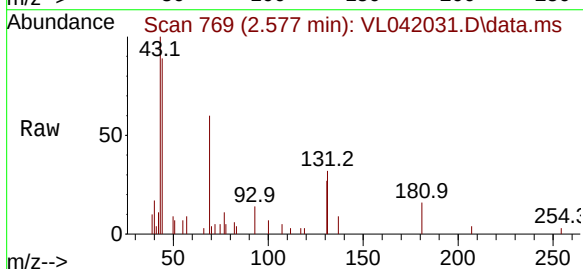
Acq: 17 Feb 2025 15:21

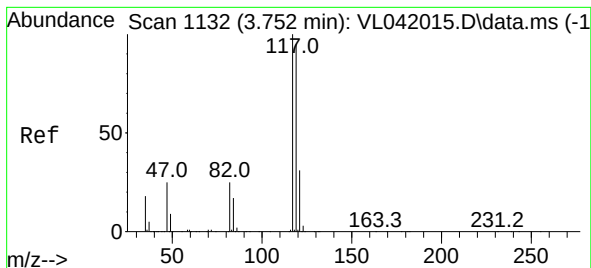
Tgt Ion: 43 Resp: 1555

Ion Ratio Lower Upper

43 100

72 16.9 18.3 27.5#





#35

Carbon Tetrachloride

Concen: 0.038 ppbv

RT: 3.781 min Scan# 1114

Delta R.T. 0.000 min

Lab File: VL042031.D

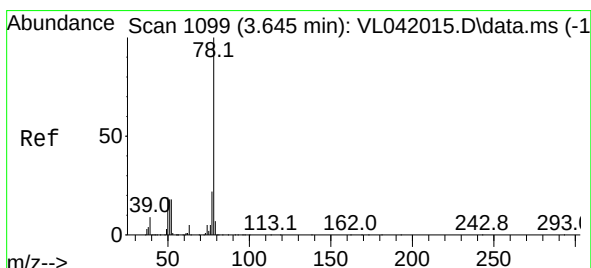
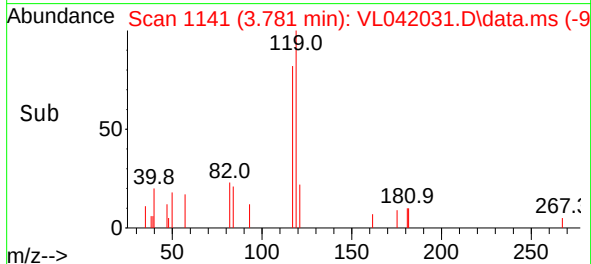
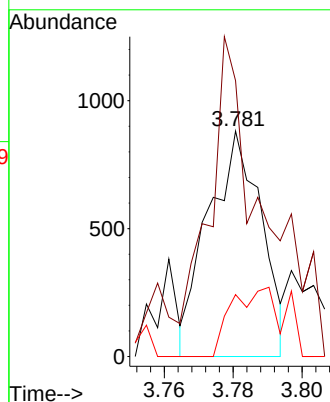
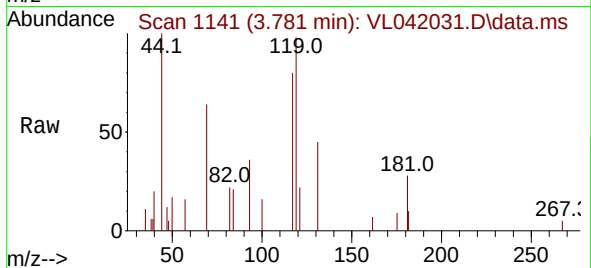
Acq: 17 Feb 2025 15:21

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:117	Resp:	941
Ion	Ratio	Lower Upper
117	100	
119	124.5	75.8 113.6#
121	31.8	24.6 36.8



#36

Benzene

Concen: 0.024 ppbv

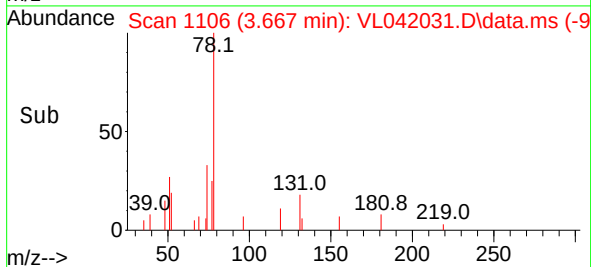
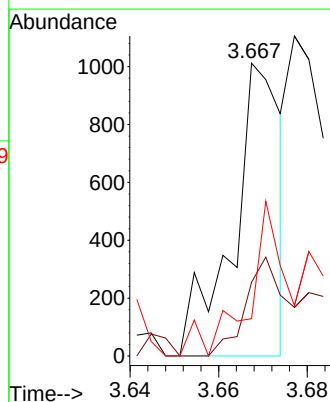
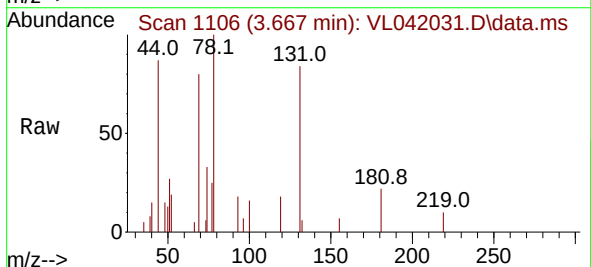
RT: 3.667 min Scan# 1106

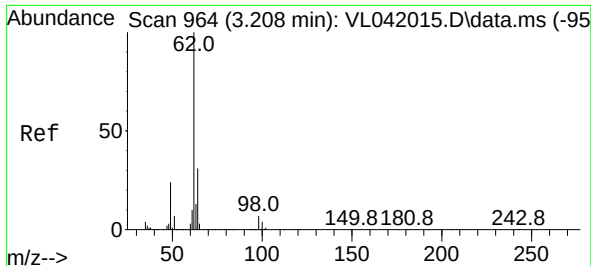
Delta R.T. -0.006 min

Lab File: VL042031.D

Acq: 17 Feb 2025 15:21

Tgt Ion: 78	Resp:	757
Ion	Ratio	Lower Upper
78	100	
77	25.2	18.0 27.0
50	12.7	15.2 22.8#





#37

1,2-Dichloroethane

Concen: 0.025 ppbv

RT: 3.230 min Scan# 91

Delta R.T. -0.003 min

Lab File: VL042031.D

Acq: 17 Feb 2025 15:21

Instrument :

MSVOA_L

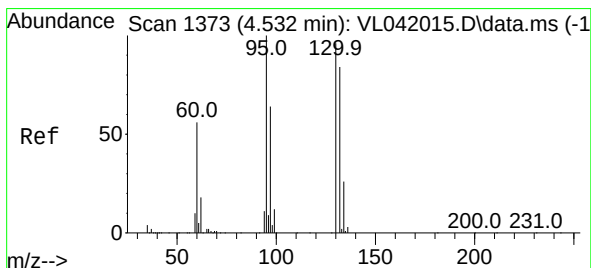
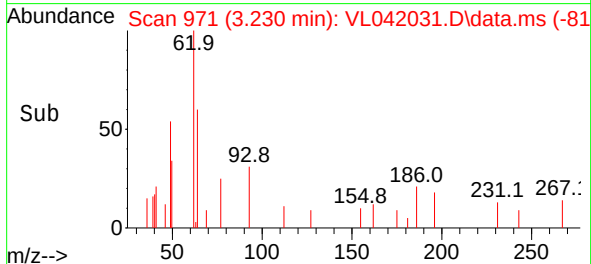
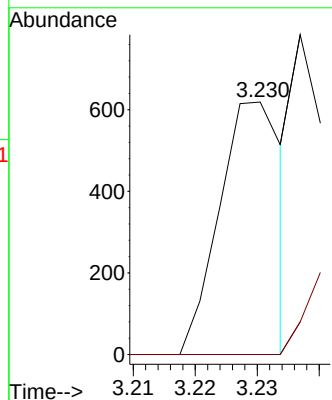
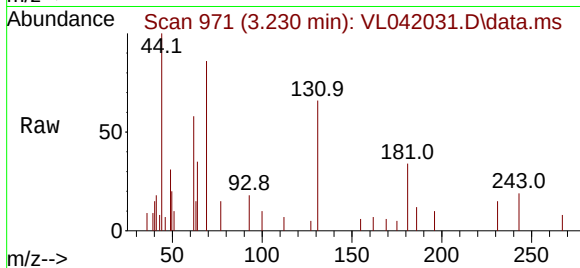
ClientSampleId :

Tgt Ion: 62 Resp: 436

Ion Ratio Lower Upper

62 100

98 0.0 5.7 8.5#



#38

Trichloroethene

Concen: 0.012 ppbv

RT: 4.567 min Scan# 1384

Delta R.T. 0.000 min

Lab File: VL042031.D

Acq: 17 Feb 2025 15:21

Tgt Ion:130 Resp: 148

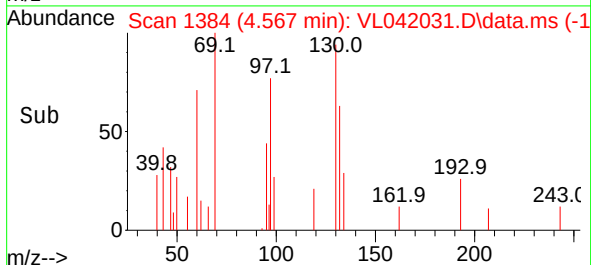
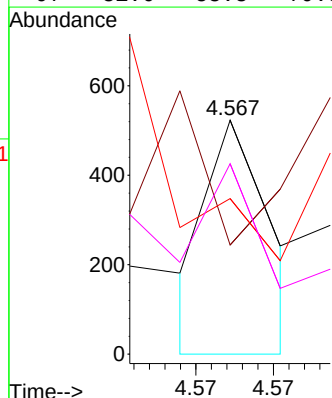
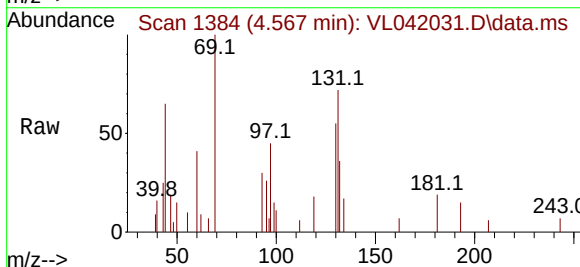
Ion Ratio Lower Upper

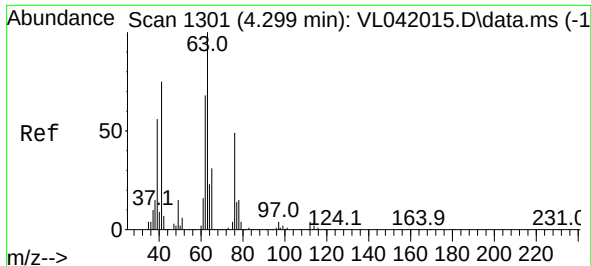
130 100

95 0.0 82.8 124.2#

132 40.6 70.0 105.0#

97 81.6 53.3 79.9#





#39

1,2-Dichloropropane

Concen: 6.131 ppbv

RT: 3.978 min Scan# 1407

Delta R.T. -0.356 min

Lab File: VL042031.D

Acq: 17 Feb 2025 15:21

Instrument :

MSVOA_L

ClientSampleId :

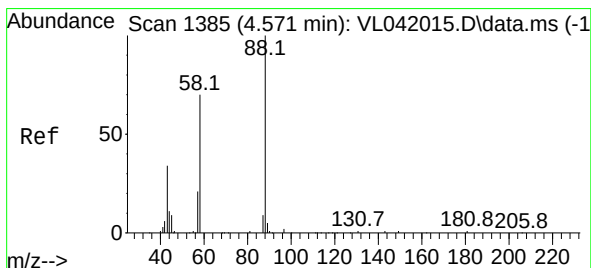
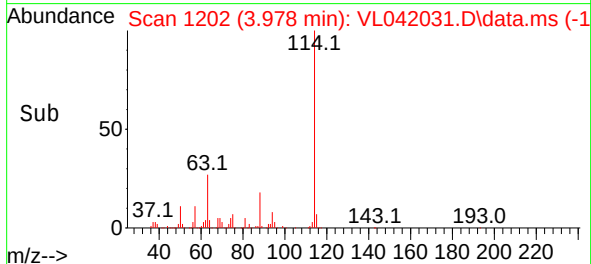
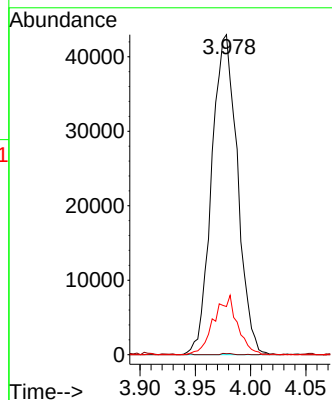
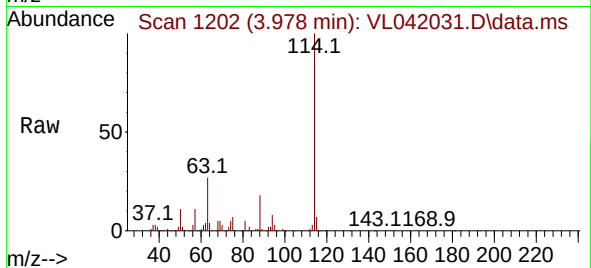
Tgt Ion: 63 Resp: 69499

Ion Ratio Lower Upper

63 100

41 0.3 60.1 90.1#

62 15.1 54.0 81.0#



#40

1,4-Dioxane

Concen: 0.012 ppbv

RT: 4.645 min Scan# 1408

Delta R.T. 0.036 min

Lab File: VL042031.D

Acq: 17 Feb 2025 15:21

Tgt Ion: 88 Resp: 71

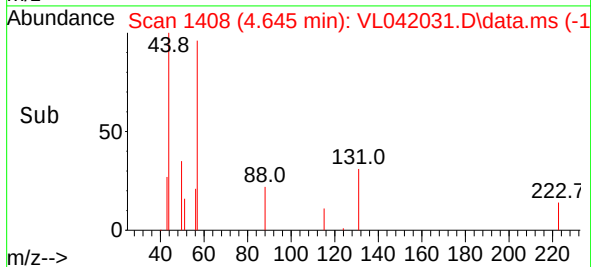
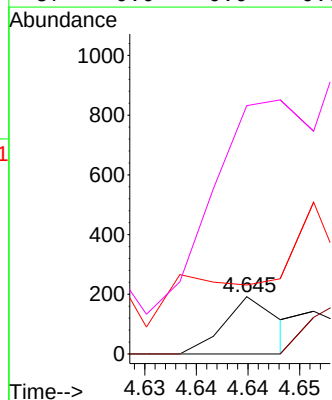
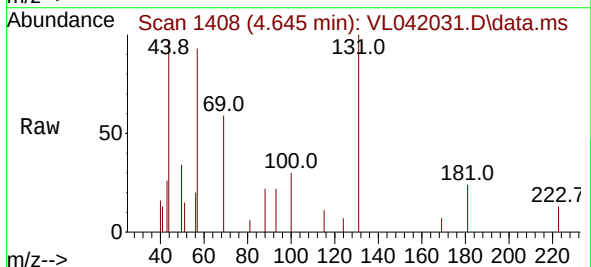
Ion Ratio Lower Upper

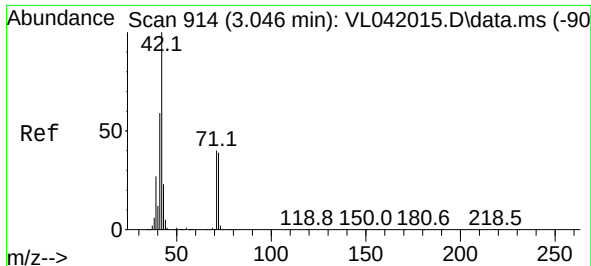
88 100

58 33.8 58.1 87.1#

43 385.9 27.3 40.9#

57 0.0 0.0 0.0





#41

Tetrahydrofuran

Concen: 0.015 ppbv

RT: 3.078 min Scan# 91

Delta R.T. 0.010 min

Lab File: VL042031.D

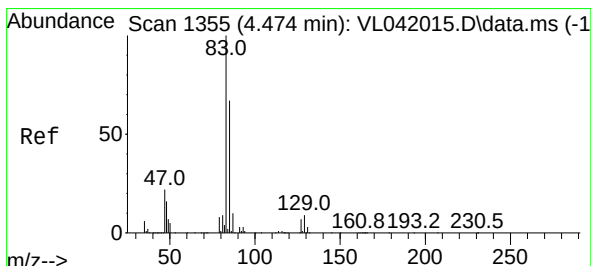
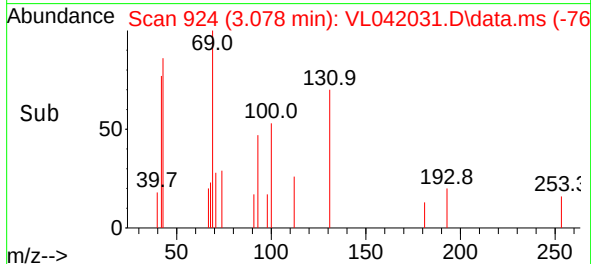
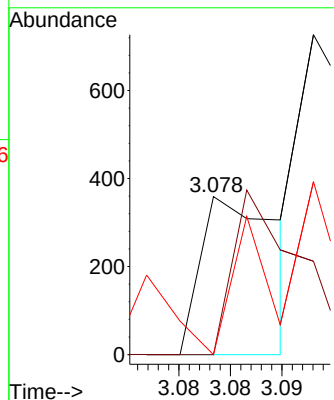
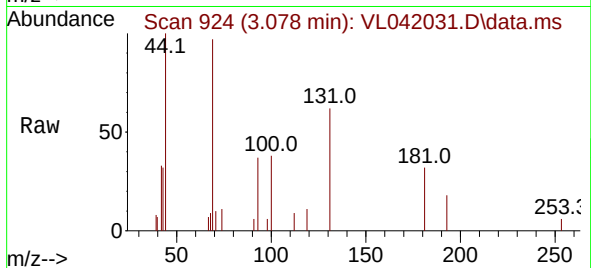
Acq: 17 Feb 2025 15:21

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 42	Resp: 189
Ion Ratio	Lower Upper
42	100
72	0.0 32.3 48.5#
71	0.0 30.9 46.3#



#42

Bromodichloromethane

Concen: 0.034 ppbv

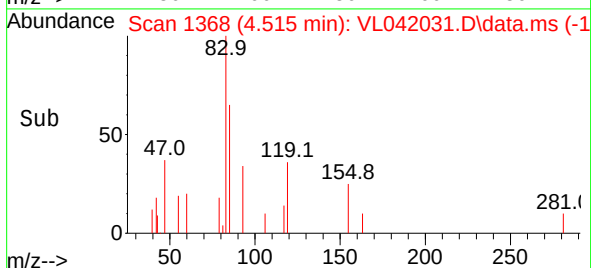
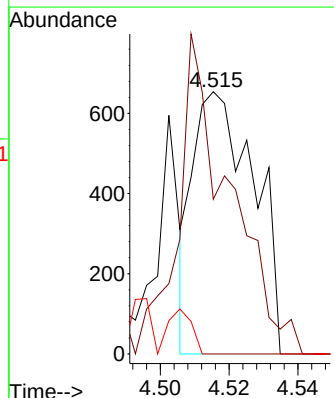
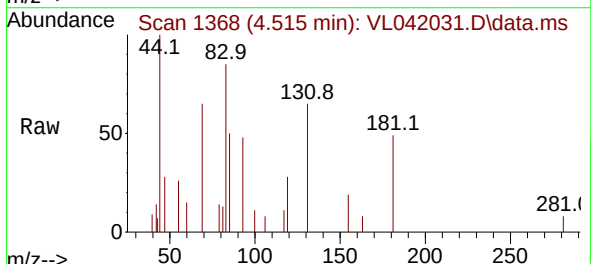
RT: 4.515 min Scan# 1368

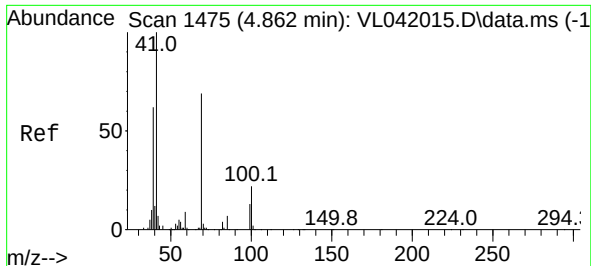
Delta R.T. 0.000 min

Lab File: VL042031.D

Acq: 17 Feb 2025 15:21

Tgt Ion: 83	Resp: 808
Ion Ratio	Lower Upper
83	100
85	49.5 53.3 79.9#
127	0.0 6.0 9.0#





#43

Methyl Methacrylate

Concen: 0.017 ppbv

RT: 4.904 min Scan# 1412

Delta R.T. 0.000 min

Lab File: VL042031.D

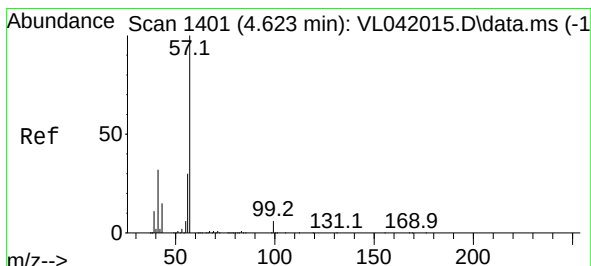
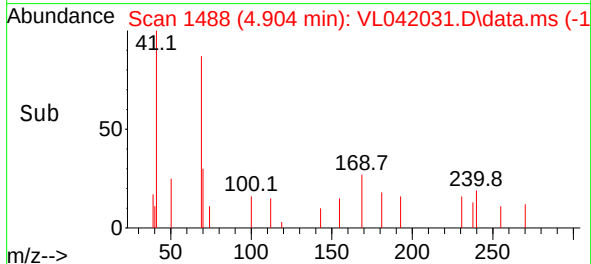
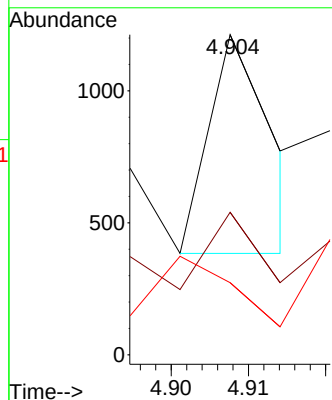
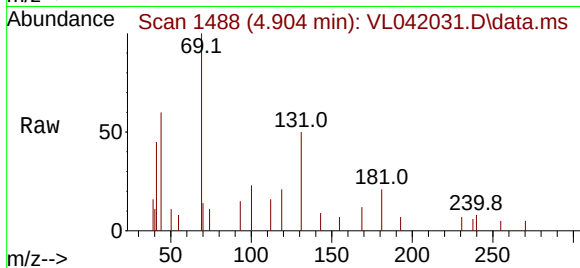
Acq: 17 Feb 2025 15:21

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:	69	Resp:	237
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: 0.013 ppbv

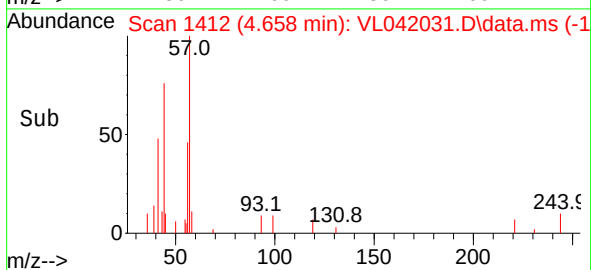
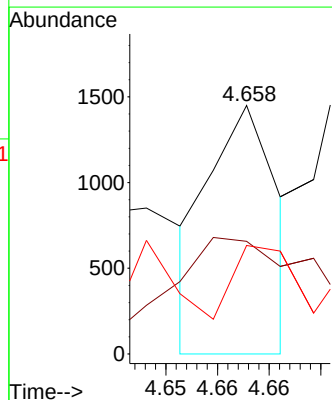
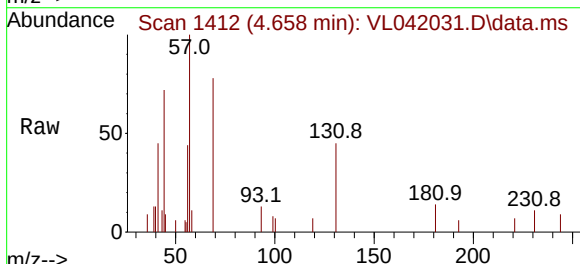
RT: 4.658 min Scan# 1412

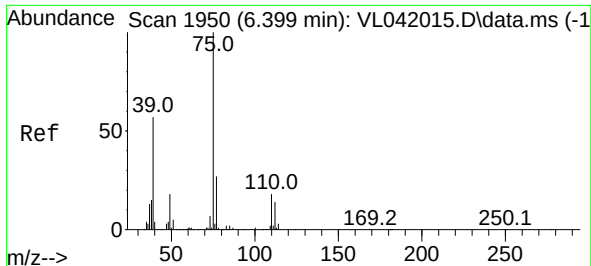
Delta R.T. -0.006 min

Lab File: VL042031.D

Acq: 17 Feb 2025 15:21

Tgt Ion:	57	Resp:	668
Ion	Ratio	Lower	Upper
57	100		
41	188.3	25.9	38.9#
56	0.0	24.9	37.3#





#45

t-1,3-Dichloropropene

Concen: 0.010 ppbv

RT: 6.441 min Scan# 1

Delta R.T. -0.003 min

Lab File: VL042031.D

Acq: 17 Feb 2025 15:21

Instrument :

MSVOA_L

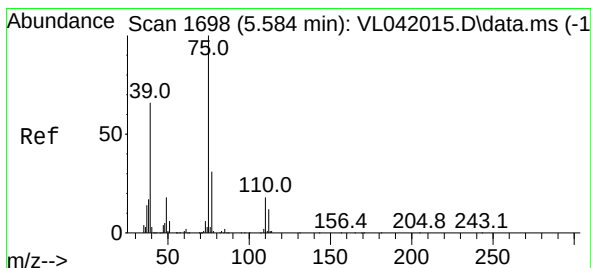
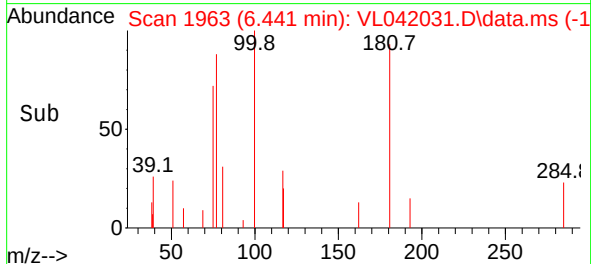
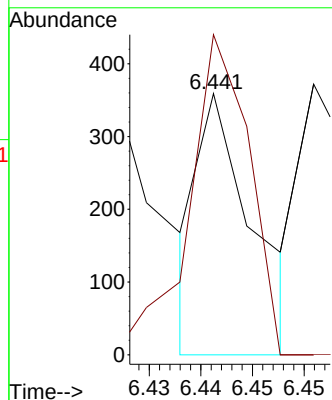
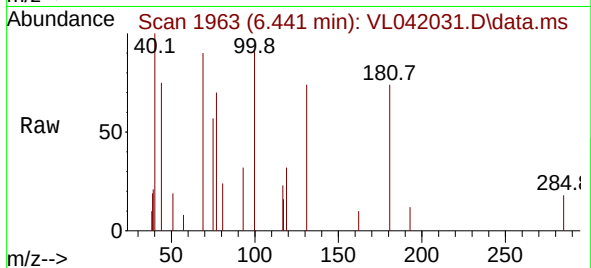
ClientSampleId :

Tgt Ion: 75 Resp: 132

Ion Ratio Lower Upper

75 100

77 122.6 22.1 33.1#



#46

cis-1,3-Dichloropropene

Concen: 0.005 ppbv

RT: 5.606 min Scan# 1705

Delta R.T. -0.022 min

Lab File: VL042031.D

Acq: 17 Feb 2025 15:21

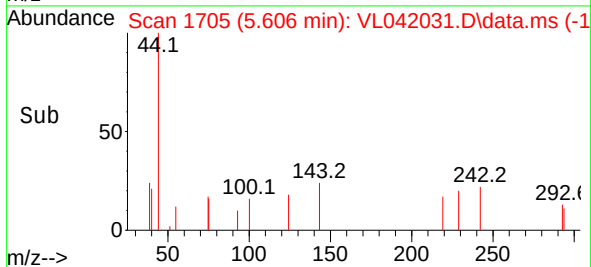
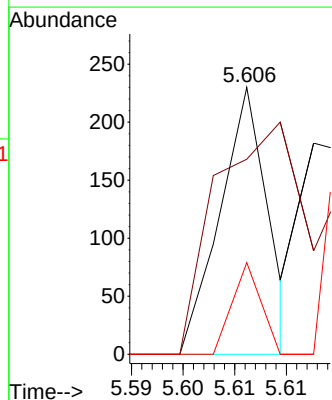
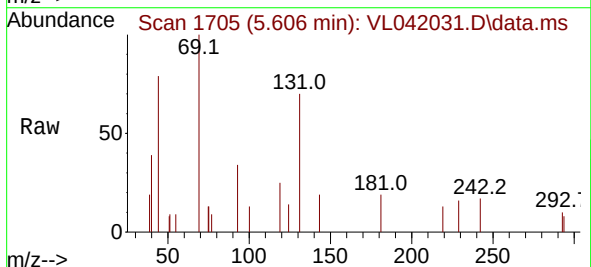
Tgt Ion: 75 Resp: 76

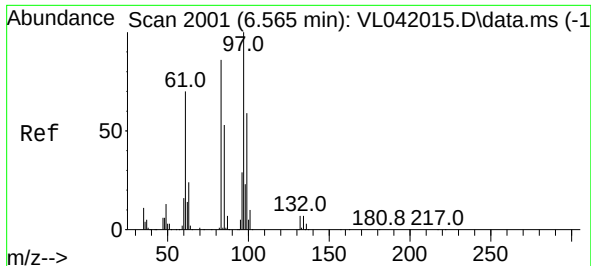
Ion Ratio Lower Upper

75 100

39 73.0 52.2 78.4

77 34.3 24.5 36.7





#47

1,1,2-Trichloroethane

Concen: 0.017 ppbv

RT: 6.606 min Scan# 2001

Delta R.T. -0.003 min

Lab File: VL042031.D

Acq: 17 Feb 2025 15:21

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 97 Resp: 202

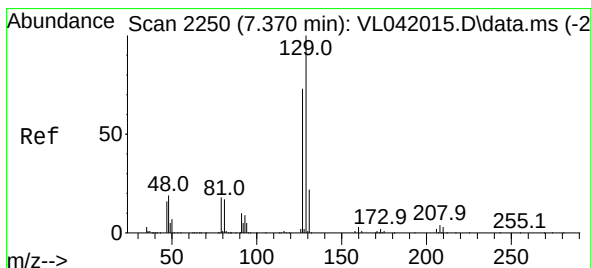
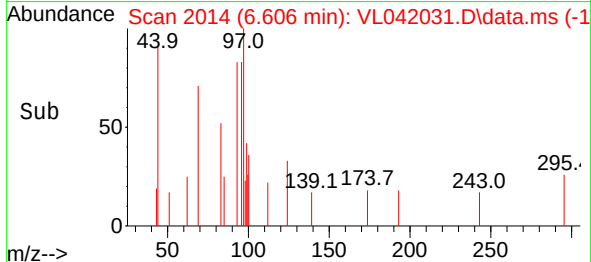
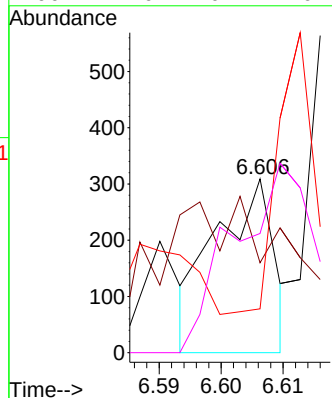
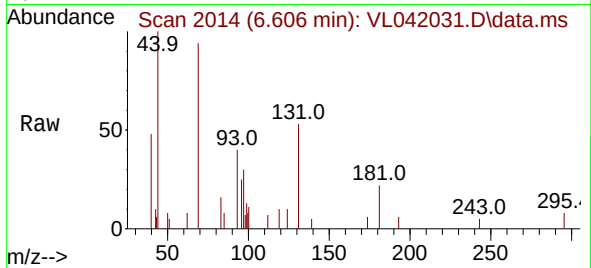
Ion Ratio Lower Upper

97 100

83 0.0 68.6 102.8#

85 0.0 42.2 63.4#

99 111.6 46.7 70.1#



#48

Dibromochloromethane

Concen: 0.002 ppbv

RT: 7.305 min Scan# 2230

Delta R.T. -0.103 min

Lab File: VL042031.D

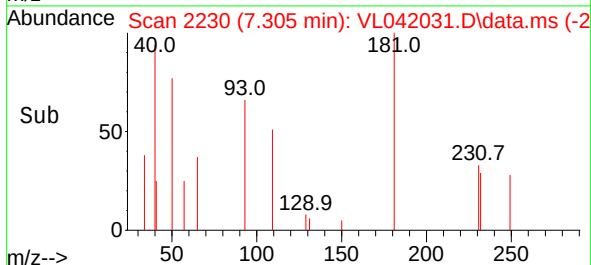
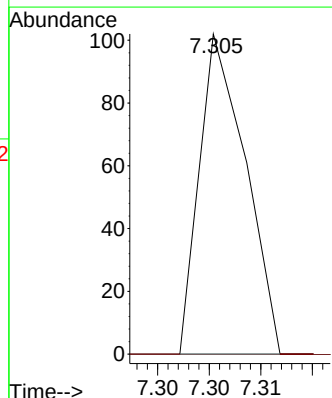
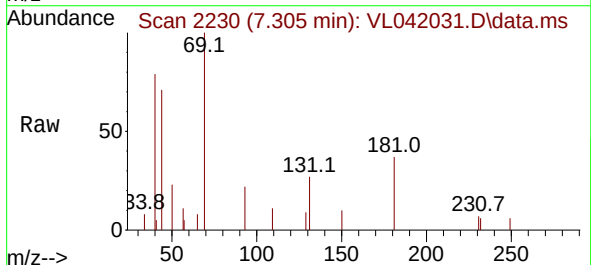
Acq: 17 Feb 2025 15:21

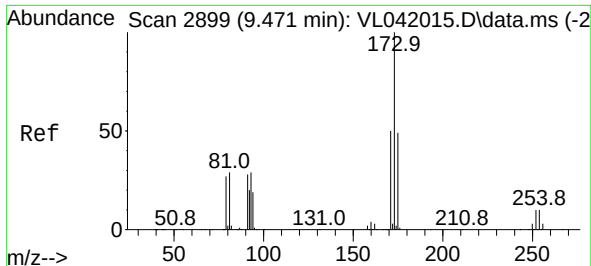
Tgt Ion: 129 Resp: 32

Ion Ratio Lower Upper

129 100

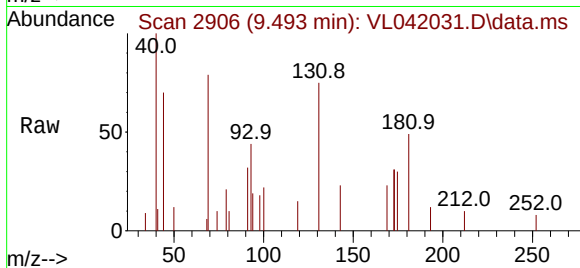
127 96.9 38.2 114.6



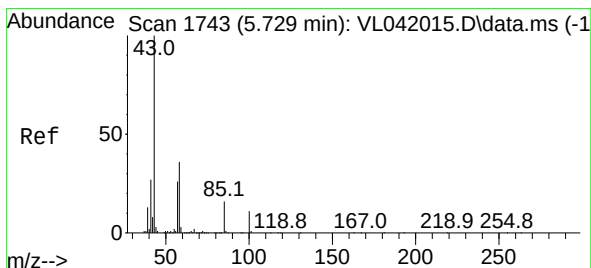
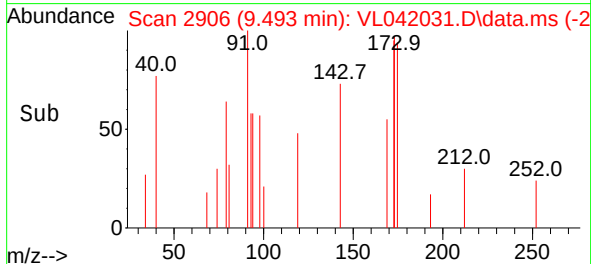
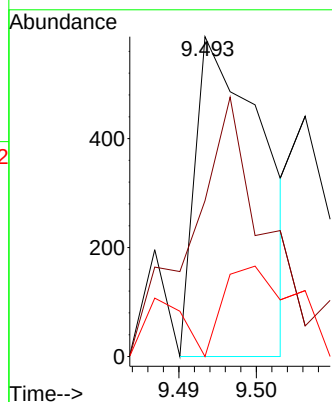


#49
Bromoform
Concen: 0.022 ppbv
RT: 9.493 min Scan# 20
Delta R.T. -0.006 min
Lab File: VL042031.D
Acq: 17 Feb 2025 15:21

Instrument :
MSVOA_L
ClientSampleId :

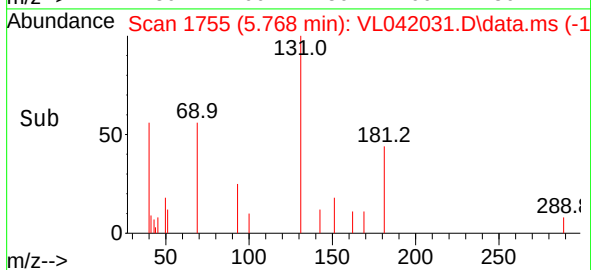
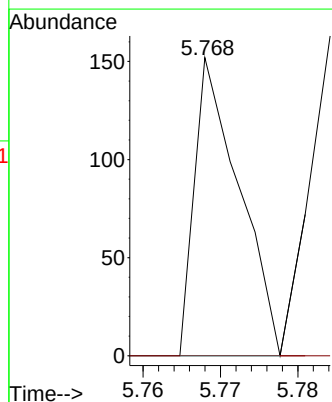
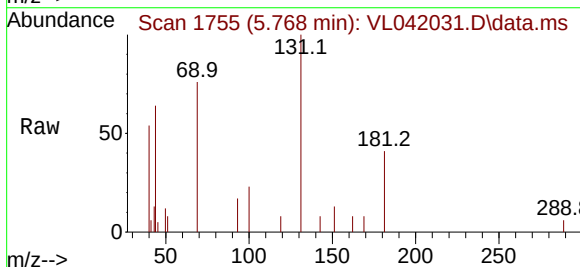


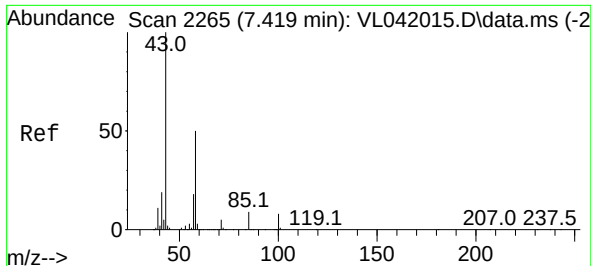
Tgt Ion:173 Resp: 361
Ion Ratio Lower Upper
173 100
175 91.1 39.3 58.9#
171 42.1 41.4 62.2



#50
4-Methyl-2-Pentanone
Concen: 0.002 ppbv
RT: 5.768 min Scan# 1755
Delta R.T. -0.016 min
Lab File: VL042031.D
Acq: 17 Feb 2025 15:21

Tgt Ion: 43 Resp: 61
Ion Ratio Lower Upper
43 100
58 0.0 29.4 44.0#

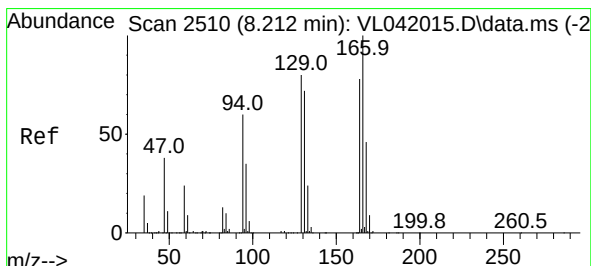
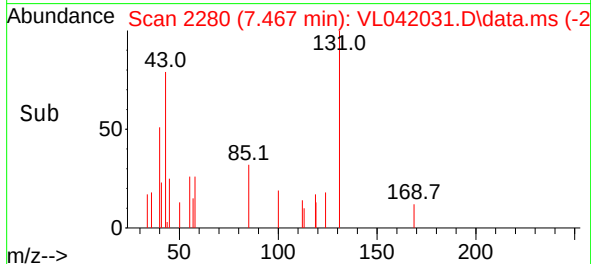
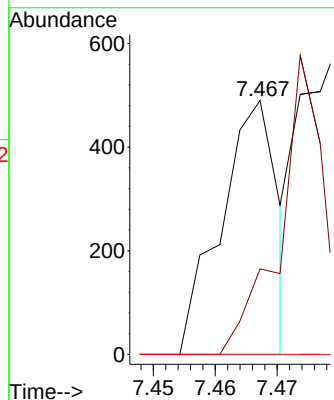
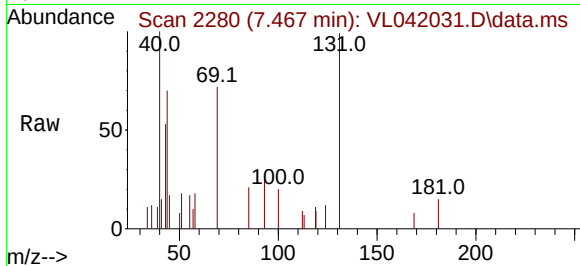




#51
2-Hexanone
Concen: 0.011 ppbv
RT: 7.467 min Scan# 21
Delta R.T. 0.007 min
Lab File: VL042031.D
Acq: 17 Feb 2025 15:21

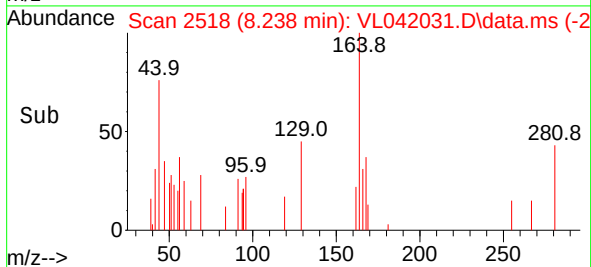
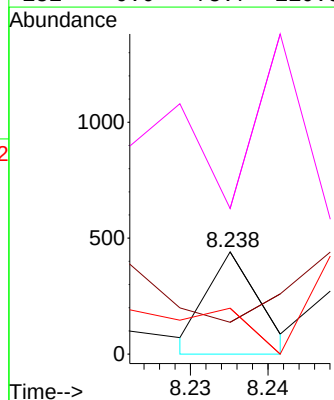
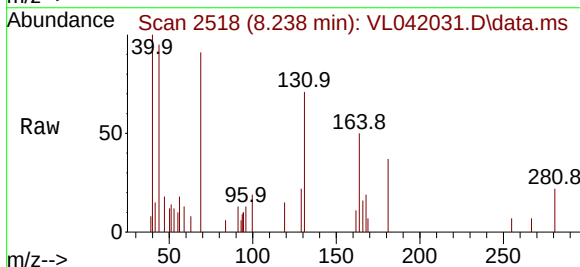
Instrument :
MSVOA_L
ClientSampleId :

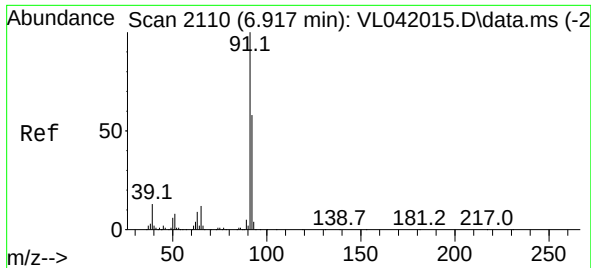
Tgt Ion: 43 Resp: 314
Ion Ratio Lower Upper
43 100
58 0.0 41.4 62.0#
98 0.0 0.0 0.0



#52
Tetrachloroethene
Concen: 0.009 ppbv
RT: 8.238 min Scan# 2518
Delta R.T. -0.006 min
Lab File: VL042031.D
Acq: 17 Feb 2025 15:21

Tgt Ion:164 Resp: 102
Ion Ratio Lower Upper
164 100
166 0.0 102.2 153.2#
129 53.5 82.2 123.4#
131 0.0 73.7 110.5#

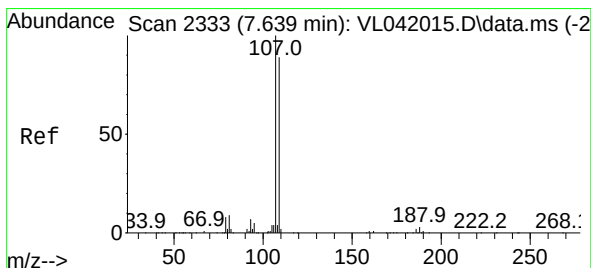
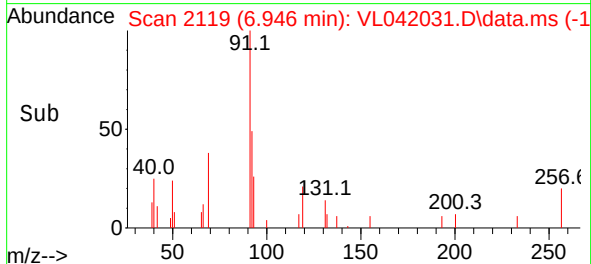
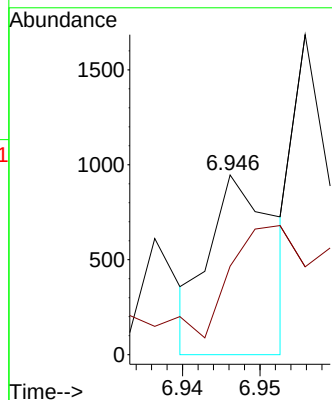
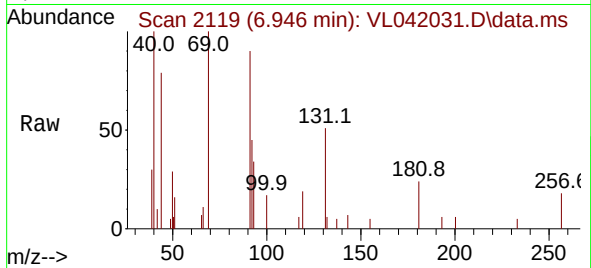




#53
Toluene
Concen: 0.015 ppbv
RT: 6.946 min Scan# 2110
Delta R.T. -0.009 min
Lab File: VL042031.D
Acq: 17 Feb 2025 15:21

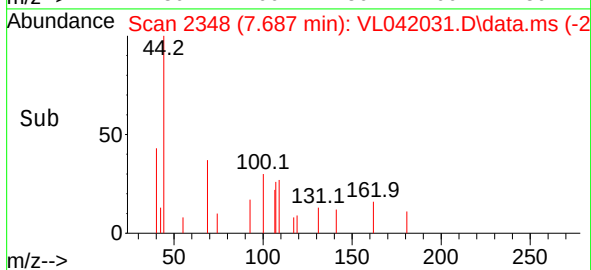
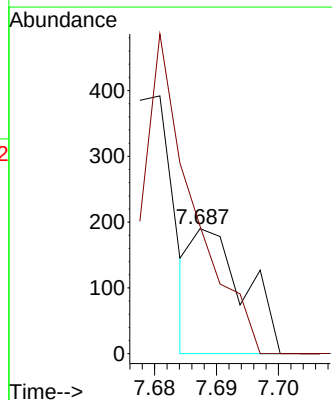
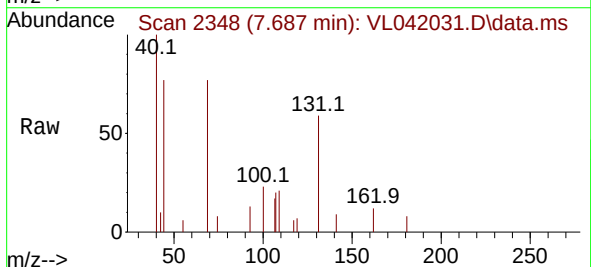
Instrument :
MSVOA_L
ClientSampleId :

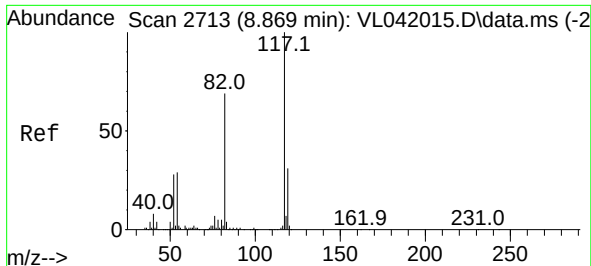
Tgt Ion: 91 Resp: 556
Ion Ratio Lower Upper
91 100
92 0.0 47.5 71.3#



#54
1,2-Dibromoethane
Concen: 0.007 ppbv
RT: 7.687 min Scan# 2348
Delta R.T. 0.013 min
Lab File: VL042031.D
Acq: 17 Feb 2025 15:21

Tgt Ion: 107 Resp: 110
Ion Ratio Lower Upper
107 100
109 102.1 71.5 107.3





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.898 min Scan# 21

Delta R.T. 0.000 min

Lab File: VL042031.D

Acq: 17 Feb 2025 15:21

Instrument :

MSVOA_L

ClientSampleId :

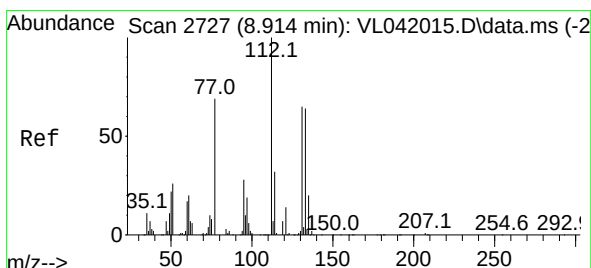
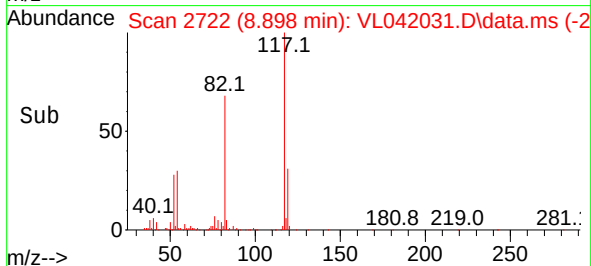
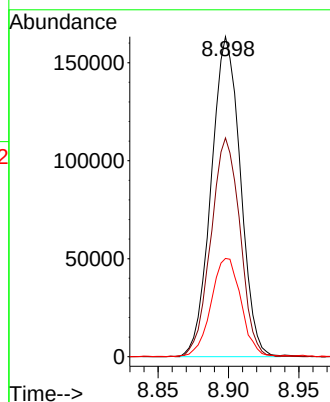
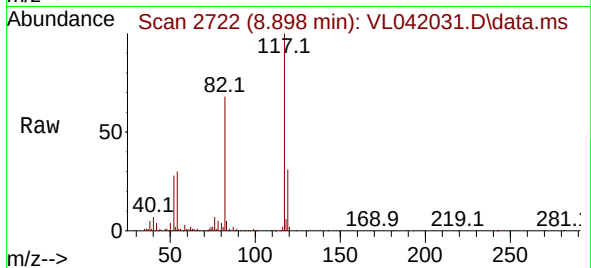
Tgt Ion:117 Resp: 235540

Ion Ratio Lower Upper

117 100

82 68.3 55.7 83.5

119 31.8 25.2 37.8



#56

1,1,1,2-Tetrachloroethane

Concen: 0.014 ppbv

RT: 8.946 min Scan# 2737

Delta R.T. 0.003 min

Lab File: VL042031.D

Acq: 17 Feb 2025 15:21

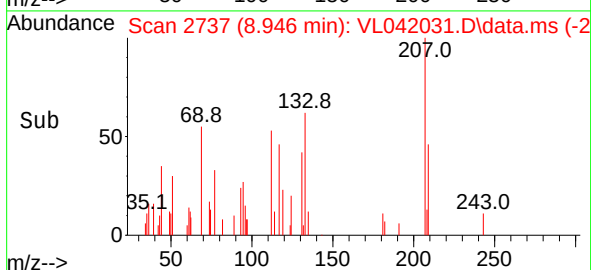
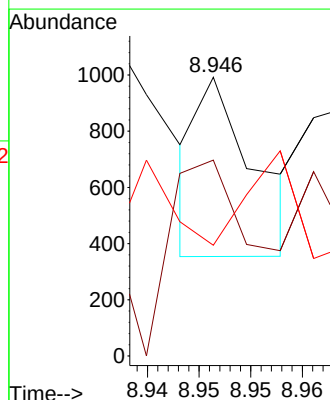
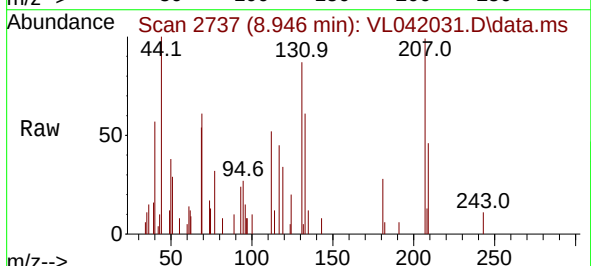
Tgt Ion:131 Resp: 241

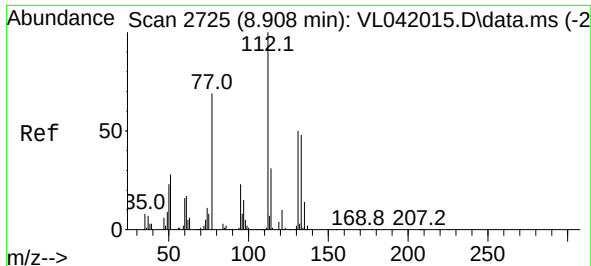
Ion Ratio Lower Upper

131 100

133 346.5 77.8 116.8#

119 0.0 49.1 73.7#





#57

Chlorobenzene

Concen: 0.017 ppbv

RT: 8.937 min Scan# 21

Delta R.T. -0.003 min

Lab File: VL042031.D

Acq: 17 Feb 2025 15:21

Instrument :

MSVOA_L

ClientSampleId :

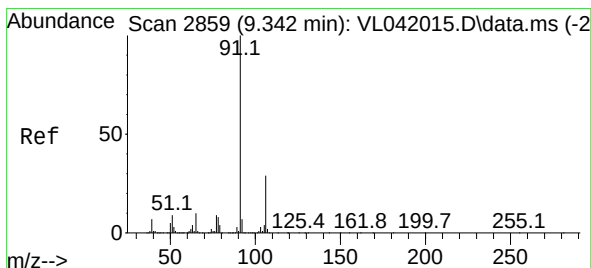
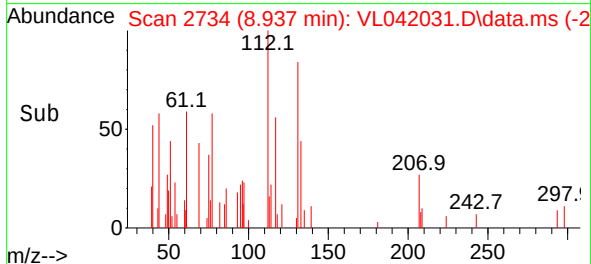
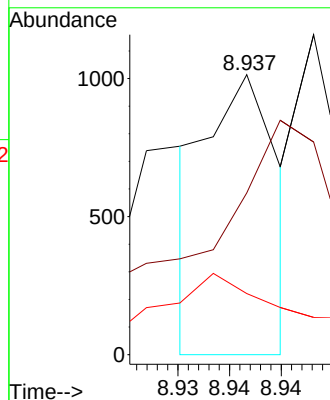
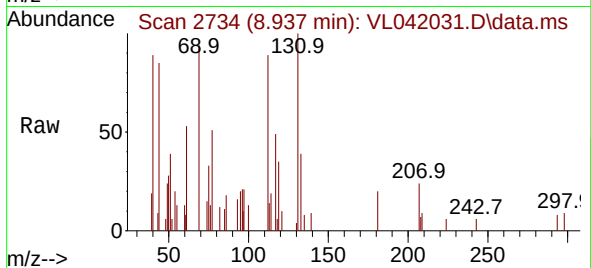
Tgt Ion:112 Resp: 483

Ion Ratio Lower Upper

112 100

77 53.0 56.2 84.2#

114 15.0 28.2 34.4#



#58

Ethyl Benzene

Concen: 0.007 ppbv

RT: 9.383 min Scan# 2872

Delta R.T. 0.013 min

Lab File: VL042031.D

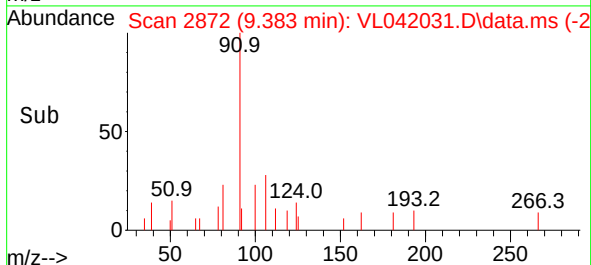
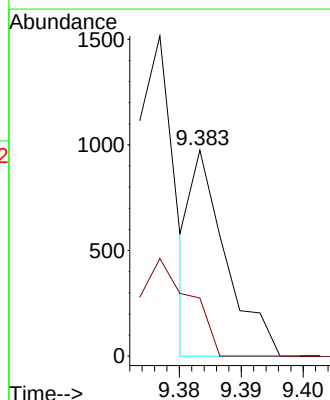
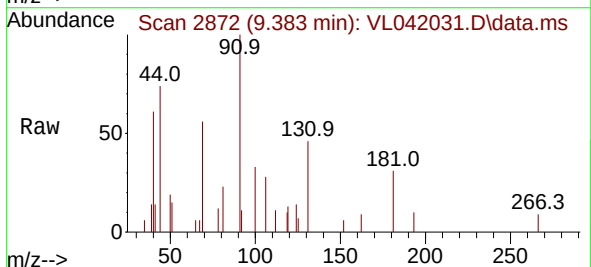
Acq: 17 Feb 2025 15:21

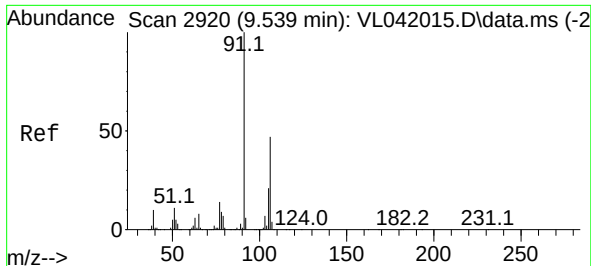
Tgt Ion: 91 Resp: 381

Ion Ratio Lower Upper

91 100

106 28.2 23.1 34.7





#59

m/p-Xylene

Concen: 0.043 ppbv

RT: 9.552 min Scan# 2920

Delta R.T. 0.003 min

Lab File: VL042031.D

Acq: 17 Feb 2025 15:21

Instrument :

MSVOA_1

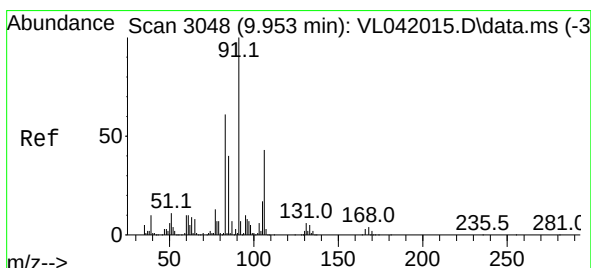
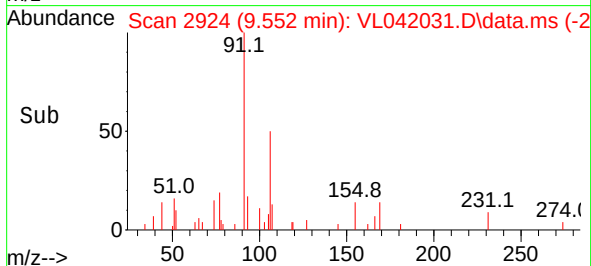
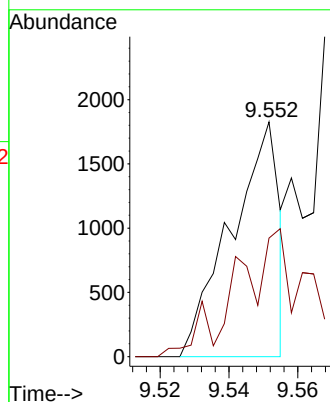
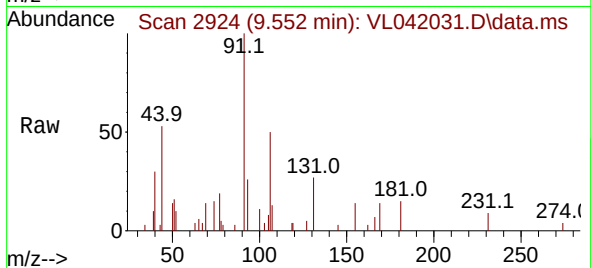
ClientSampleId :

Tgt Ion: 91 Resp: 1765

Ion Ratio Lower Upper

91 100

106 0.0 35.8 53.8#



#60

o-Xylene

Concen: 0.042 ppbv

RT: 9.976 min Scan# 3055

Delta R.T. -0.003 min

Lab File: VL042031.D

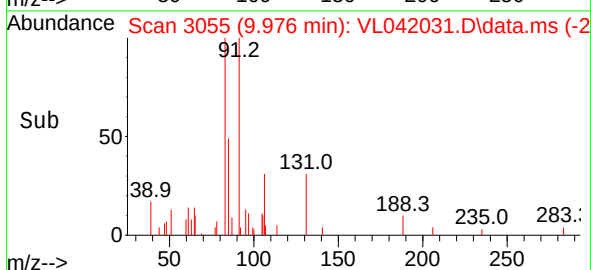
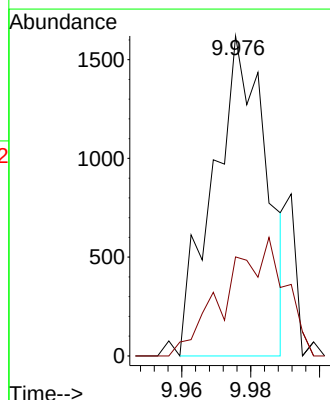
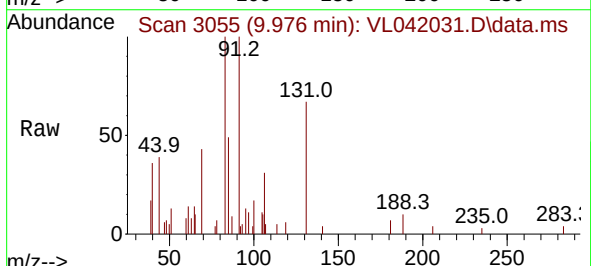
Acq: 17 Feb 2025 15:21

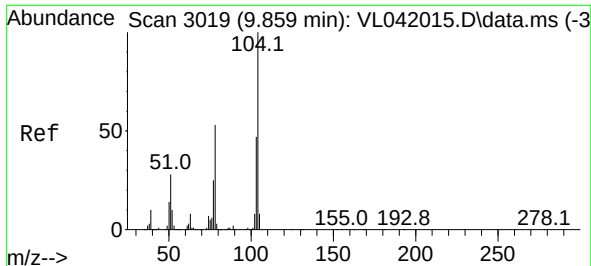
Tgt Ion: 91 Resp: 1726

Ion Ratio Lower Upper

91 100

106 0.0 21.4 64.3#

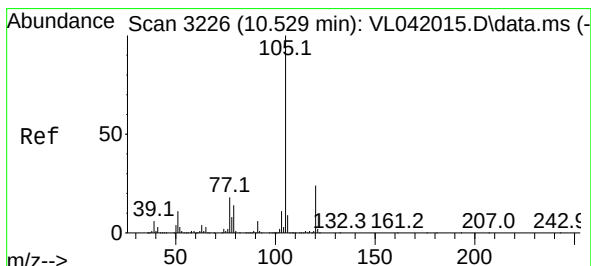
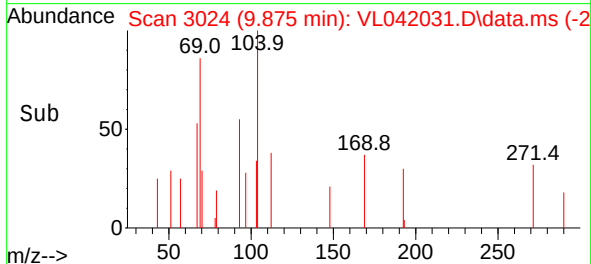
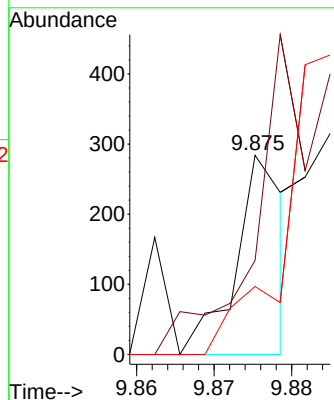
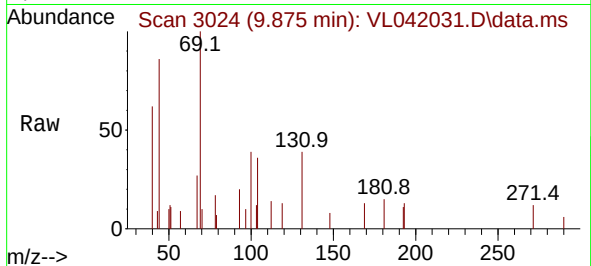




#61
Styrene
Concen: 0.006 ppbv
RT: 9.875 min Scan# 3019
Delta R.T. -0.009 min
Lab File: VL042031.D
Acq: 17 Feb 2025 15:21

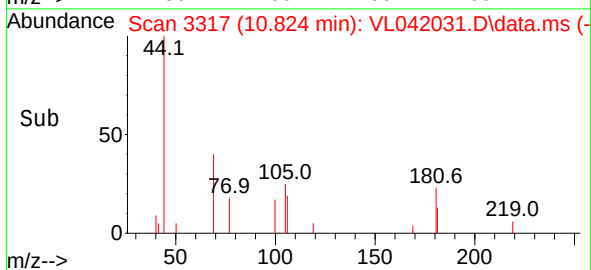
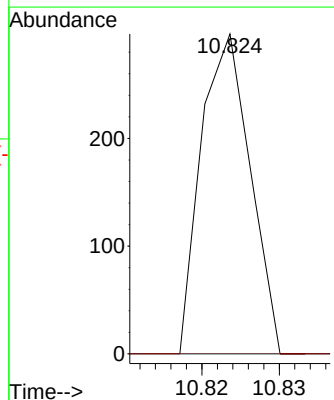
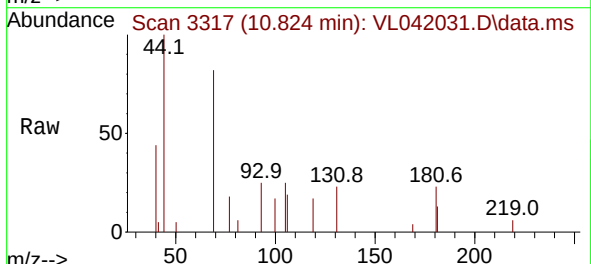
Instrument :
MSVOA_L
ClientSampleId :

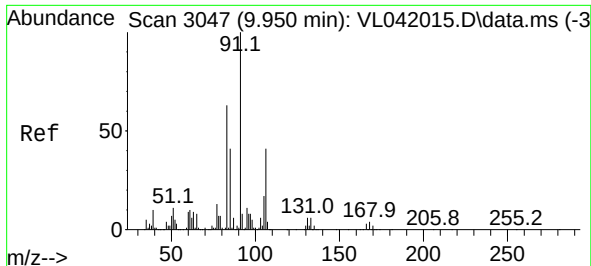
Tgt Ion:104 Resp: 124
Ion Ratio Lower Upper
104 100
78 339.5 42.2 63.4#
103 0.0 38.1 57.1#



#62
Isopropylbenzene
Concen: 0.002 ppbv
RT: 10.824 min Scan# 3317
Delta R.T. 0.269 min
Lab File: VL042031.D
Acq: 17 Feb 2025 15:21

Tgt Ion:105 Resp: 131
Ion Ratio Lower Upper
105 100
120 22.1 19.8 29.8





#63

1,1,2,2-Tetrachloroethane

Concen: 0.046 ppbv

RT: 9.976 min Scan# 3055

Delta R.T. -0.003 min

Lab File: VL042031.D

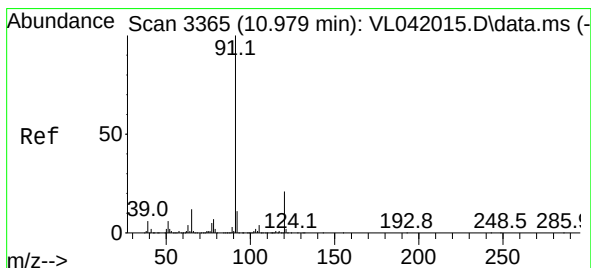
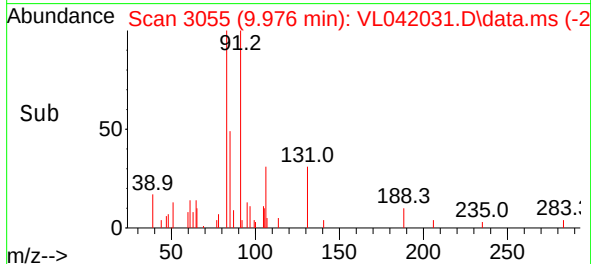
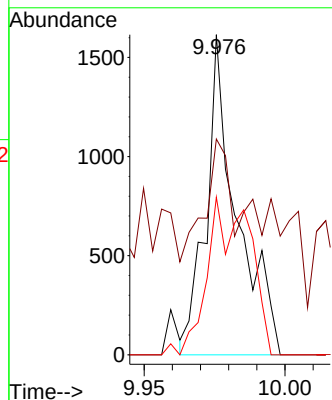
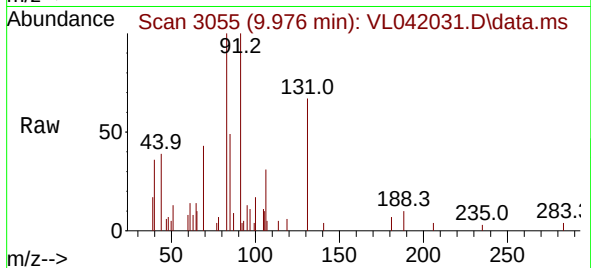
Acq: 17 Feb 2025 15:21

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:	83	Resp:	1216
Ion	Ratio	Lower	Upper
83	100		
131	123.7	5.0	15.0#
85	68.2	32.1	96.3



#64

n-propylbenzene

Concen: 0.040 ppbv

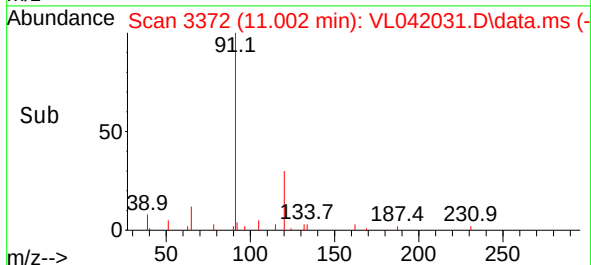
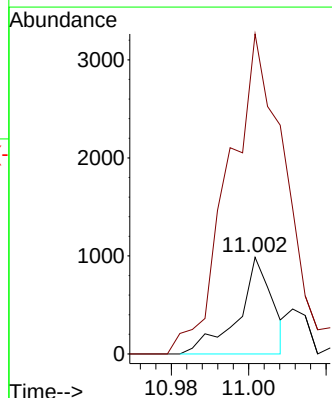
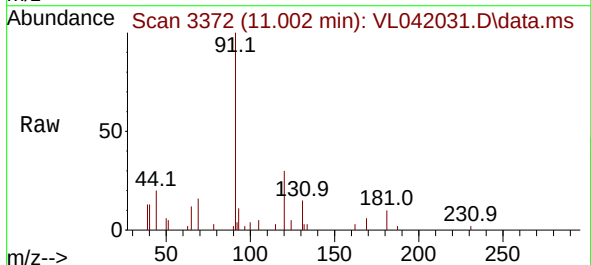
RT: 11.002 min Scan# 3372

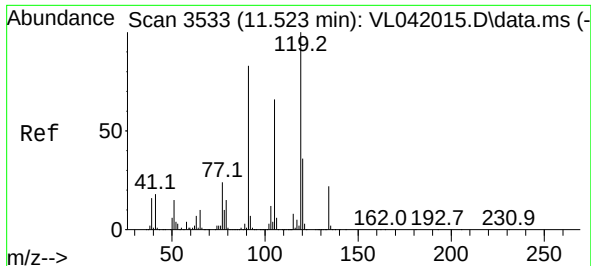
Delta R.T. -0.003 min

Lab File: VL042031.D

Acq: 17 Feb 2025 15:21

Tgt Ion:	120	Resp:	602
Ion	Ratio	Lower	Upper
120	100		
91	561.0	392.2	588.2





#65

tert-Butylbenzene

Concen: 0.049 ppbv

RT: 11.539 min Scan# 3533

Delta R.T. -0.006 min

Lab File: VL042031.D

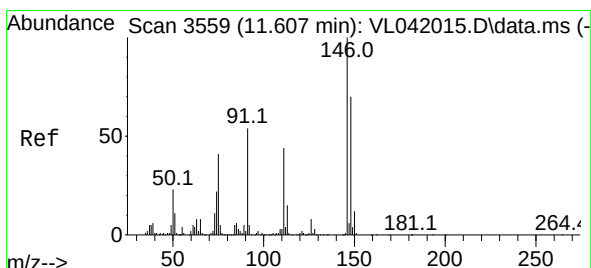
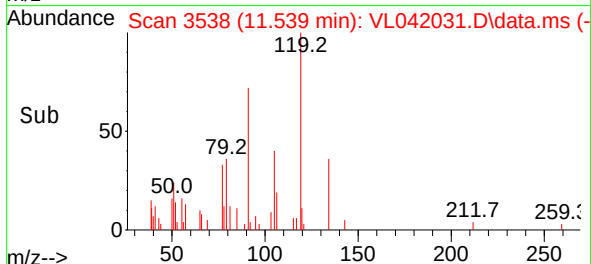
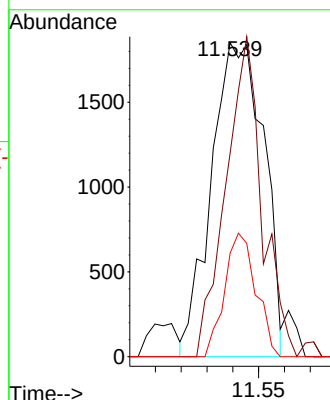
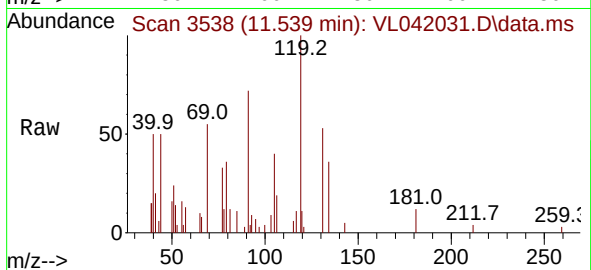
Acq: 17 Feb 2025 15:21

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:	119	Resp:	2611
Ion Ratio	Lower	Upper	
119	100		
91	71.5	66.5	99.7
134	23.6	16.6	24.8



#66

Benzyl Chloride

Concen: 0.014 ppbv

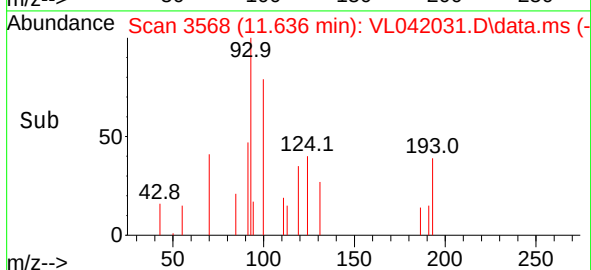
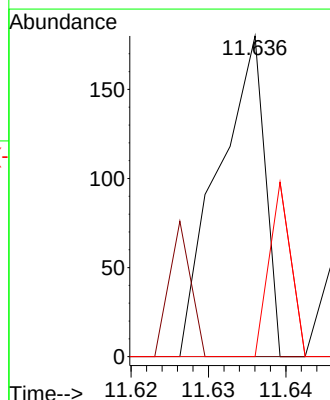
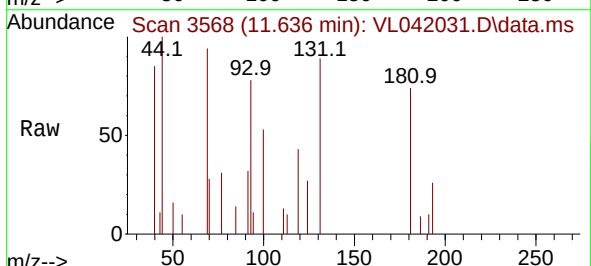
RT: 11.636 min Scan# 3568

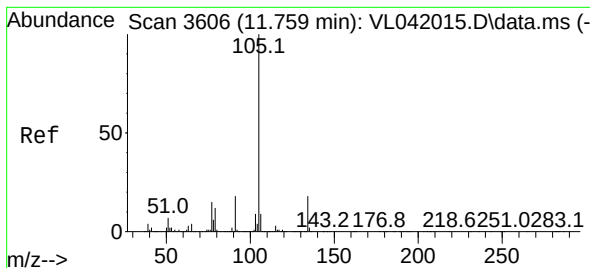
Delta R.T. 0.007 min

Lab File: VL042031.D

Acq: 17 Feb 2025 15:21

Tgt Ion:	91	Resp:	76
Ion Ratio	Lower	Upper	
91	100		
126	19.7	13.8	20.6
128	0.0	4.1	6.1#





#67

sec-Butylbenzene

Concen: 0.039 ppbv

RT: 11.782 min Scan# 3

Delta R.T. 0.000 min

Lab File: VL042031.D

Acq: 17 Feb 2025 15:21

Instrument :

MSVOA_L

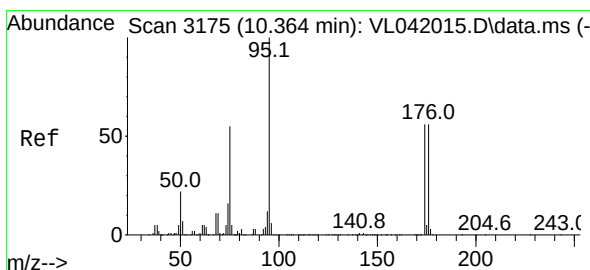
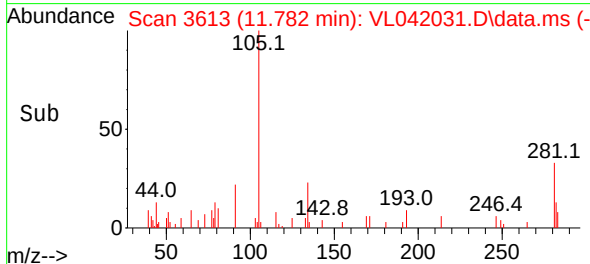
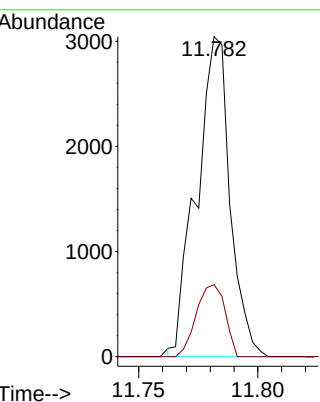
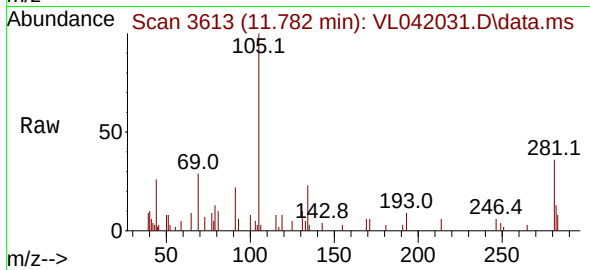
ClientSampleId :

Tgt Ion:105 Resp: 2971

Ion Ratio Lower Upper

105 100

134 19.3 14.7 22.1



#68

1-Bromo-4-Fluorobenzene

Concen: 10.090 ppbv

RT: 10.390 min Scan# 3183

Delta R.T. 0.000 min

Lab File: VL042031.D

Acq: 17 Feb 2025 15:21

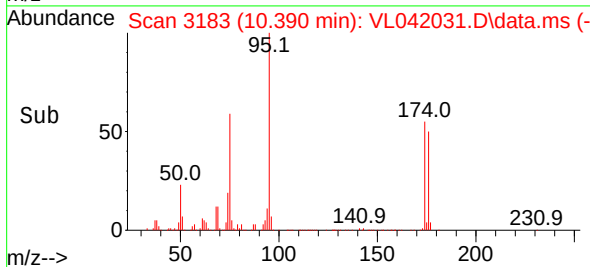
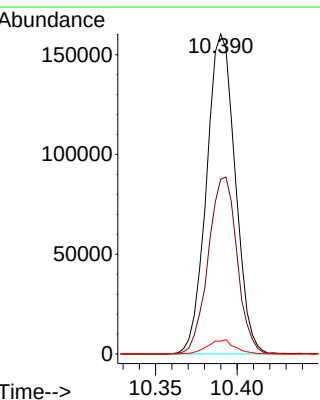
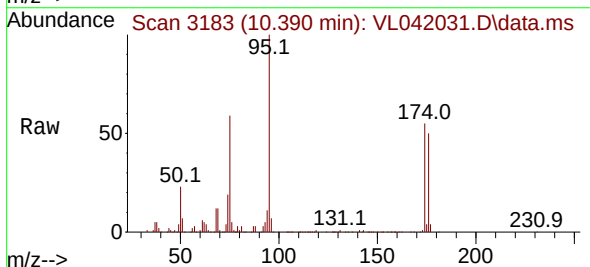
Tgt Ion: 95 Resp: 196040

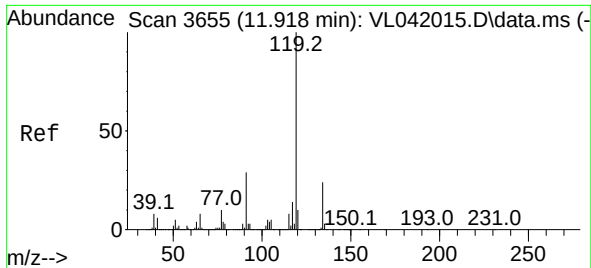
Ion Ratio Lower Upper

95 100

174 55.5 46.7 70.1

175 4.2 3.7 5.5





#69

p-Isopropyltoluene

Concen: 0.039 ppbv

RT: 11.937 min Scan# 3661

Delta R.T. -0.003 min

Lab File: VL042031.D

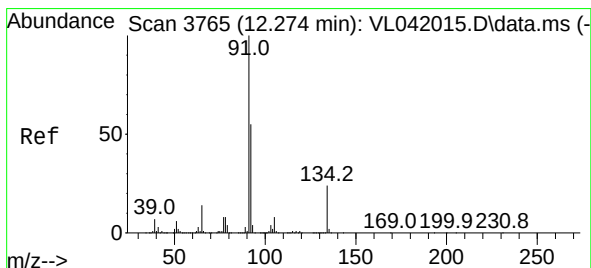
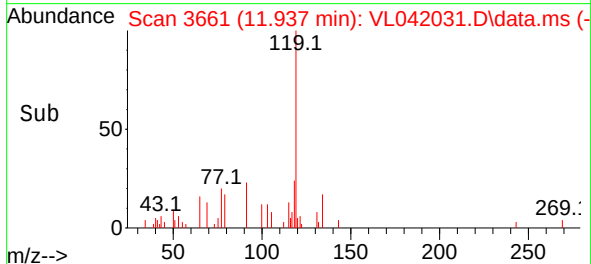
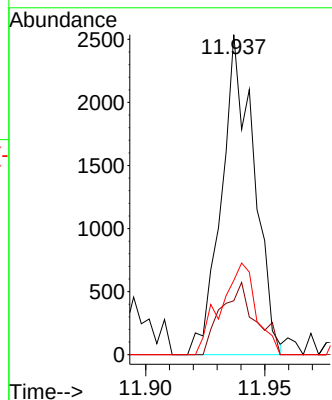
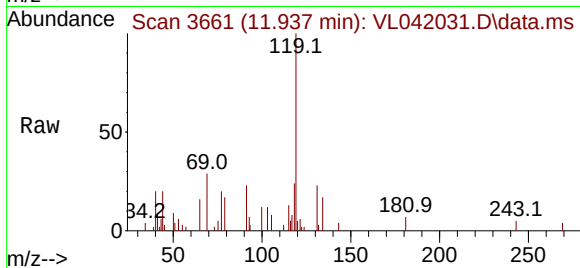
Acq: 17 Feb 2025 15:21

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:	119	Resp:	2400
Ion Ratio	Lower	Upper	
119	100		
134	24.0	19.4	29.0
91	31.3	23.4	35.2



#70

n-Butylbenzene

Concen: 0.037 ppbv

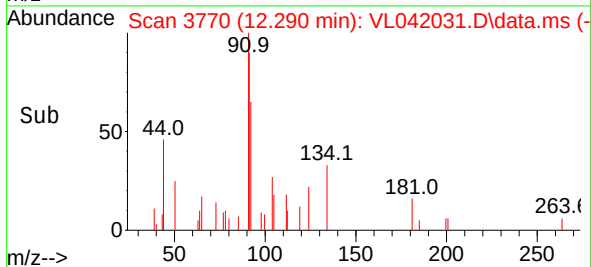
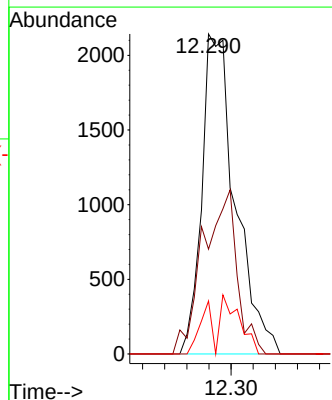
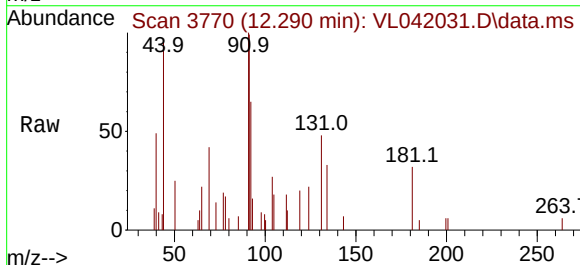
RT: 12.290 min Scan# 3770

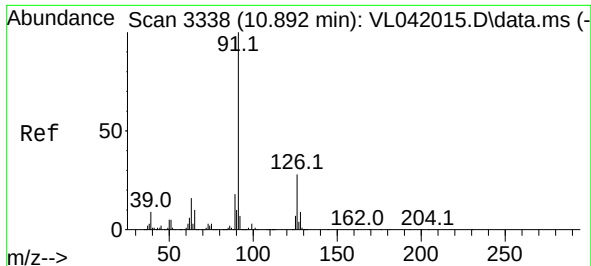
Delta R.T. -0.003 min

Lab File: VL042031.D

Acq: 17 Feb 2025 15:21

Tgt Ion:	91	Resp:	2258
Ion Ratio	Lower	Upper	
91	100		
92	52.1	43.8	65.8
134	16.3	18.6	27.8

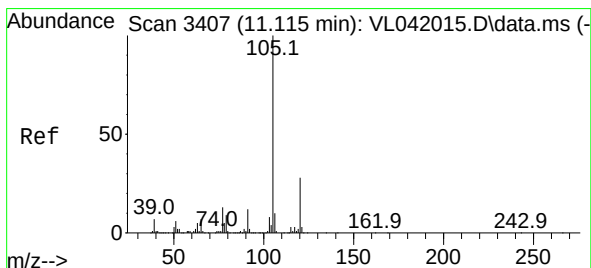
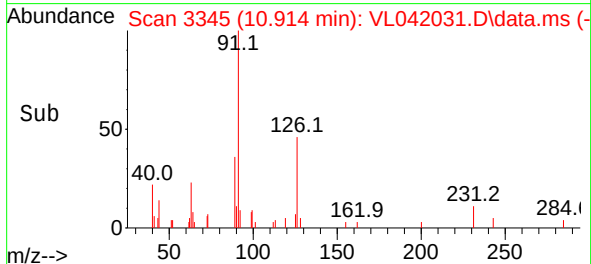
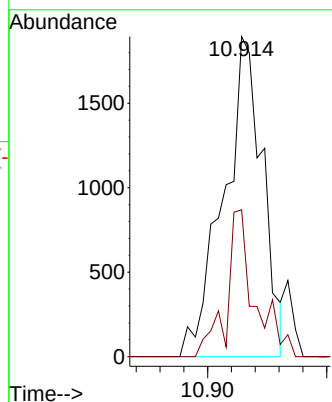
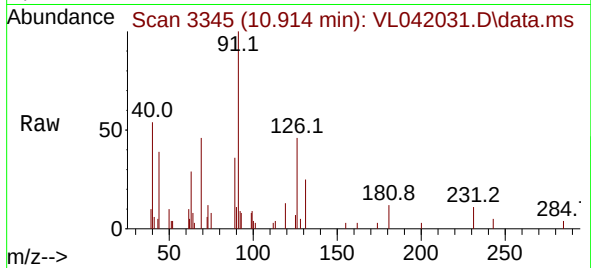




#71
2-Chlorotoluene
Concen: 0.046 ppbv
RT: 10.914 min Scan# 3415
Delta R.T. 0.000 min
Lab File: VL042031.D
Acq: 17 Feb 2025 15:21

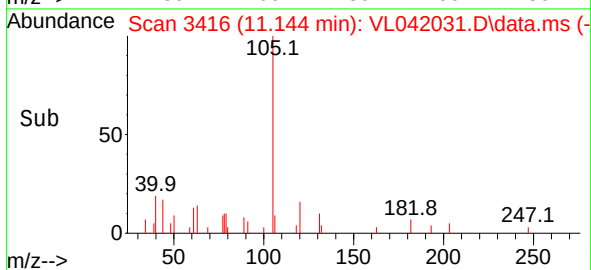
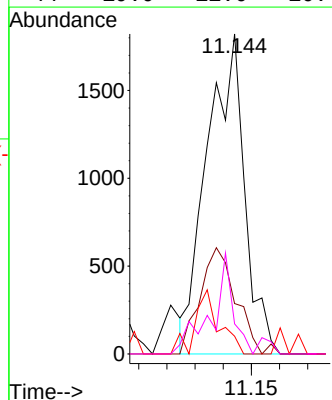
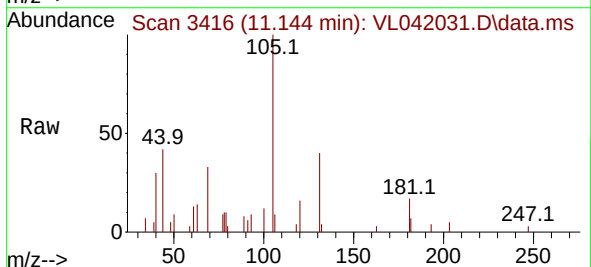
Instrument :
MSVOA_L
ClientSampleId :

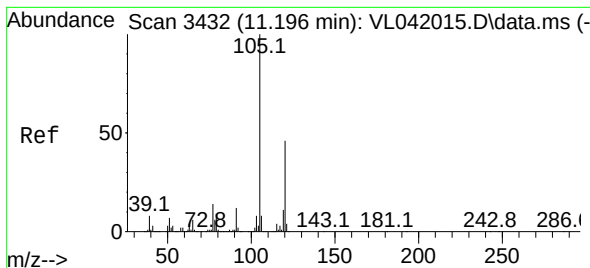
Tgt Ion: 91 Resp: 2150
Ion Ratio Lower Upper
91 100
126 32.6 11.2 45.0



#72
4-Ethyltoluene
Concen: 0.035 ppbv
RT: 11.144 min Scan# 3416
Delta R.T. 0.007 min
Lab File: VL042031.D
Acq: 17 Feb 2025 15:21

Tgt Ion: 105 Resp: 1681
Ion Ratio Lower Upper
105 100
120 32.0 22.7 34.1
91 16.1 10.2 15.2#
77 19.9 11.0 16.4#





#73

1,3,5-Trimethylbenzene

Concen: 0.021 ppbv

RT: 11.222 min Scan# 3432

Delta R.T. 0.003 min

Lab File: VL042031.D

Acq: 17 Feb 2025 15:21

Instrument :

MSVOA_L

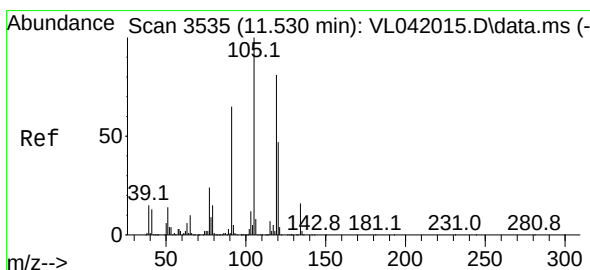
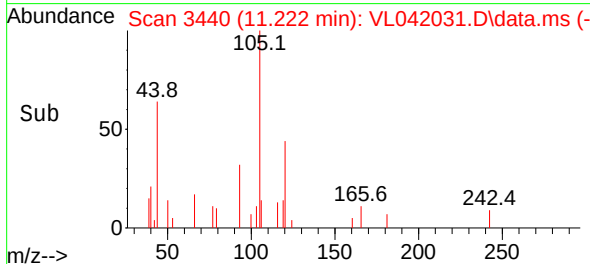
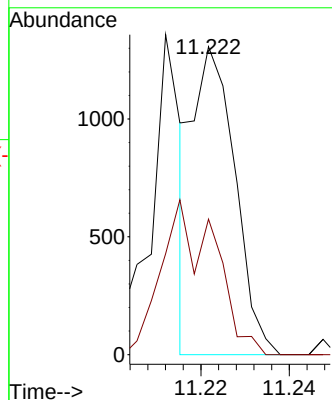
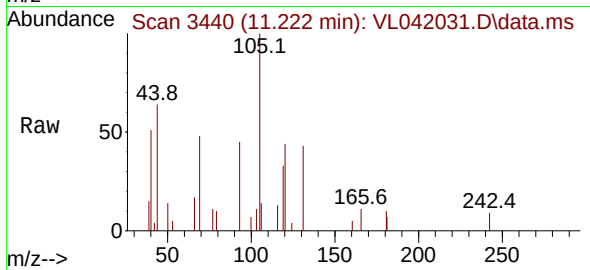
ClientSampleId :

Tgt Ion:105 Resp: 862

Ion Ratio Lower Upper

105 100

120 44.0 37.1 55.7



#74

1,2,4-Trimethylbenzene

Concen: 0.041 ppbv

RT: 11.549 min Scan# 3541

Delta R.T. -0.003 min

Lab File: VL042031.D

Acq: 17 Feb 2025 15:21

Tgt Ion:105 Resp: 1819

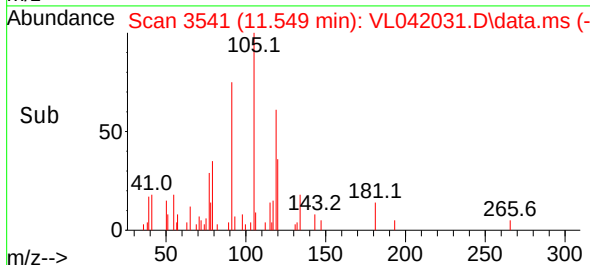
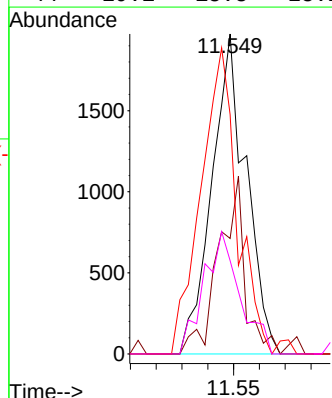
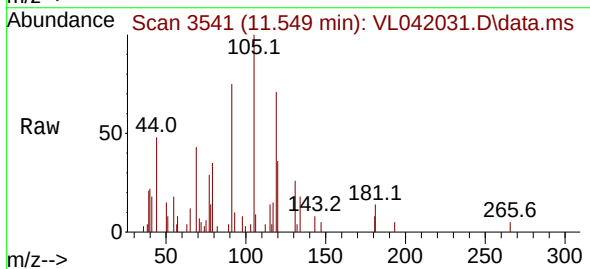
Ion Ratio Lower Upper

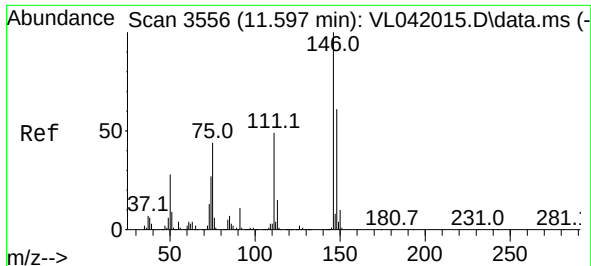
105 100

120 36.1 37.5 56.3#

91 70.8 51.7 77.5

77 29.1 18.8 28.2#





#75

1,3-Dichlorobenzene

Concen: 0.012 ppbv

RT: 11.623 min Scan# 3556

Delta R.T. 0.000 min

Lab File: VL042031.D

Acq: 17 Feb 2025 15:21

Instrument :

MSVOA_L

ClientSampleId :

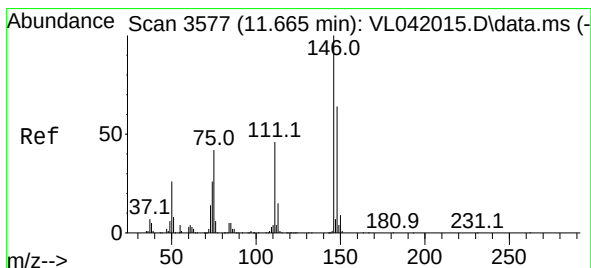
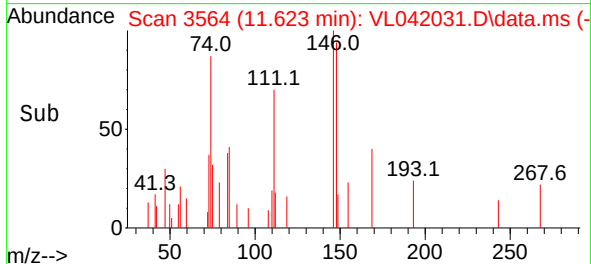
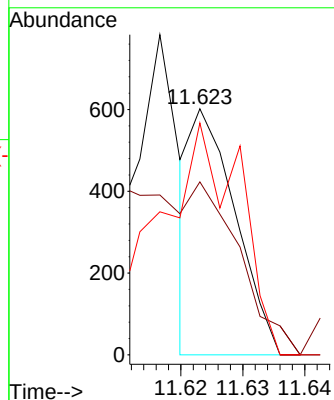
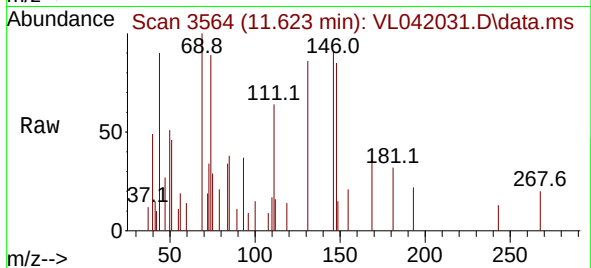
Tgt Ion:146 Resp: 297

Ion Ratio Lower Upper

146 100

111 206.4 23.9 71.7#

148 182.2 31.5 94.5#



#76

1,4-Dichlorobenzene

Concen: 0.032 ppbv

RT: 11.678 min Scan# 3581

Delta R.T. -0.006 min

Lab File: VL042031.D

Acq: 17 Feb 2025 15:21

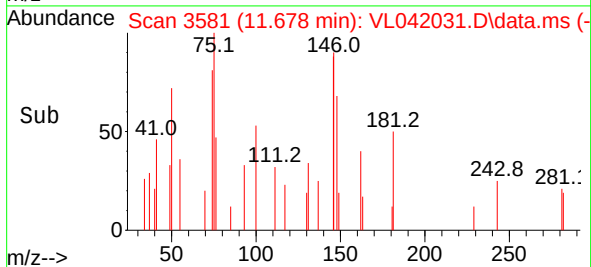
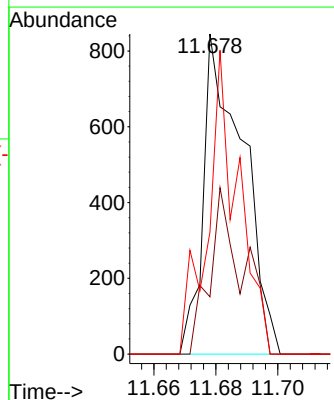
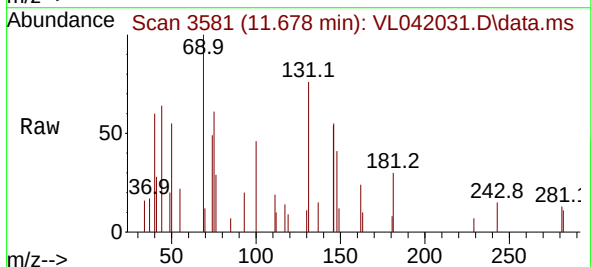
Tgt Ion:146 Resp: 749

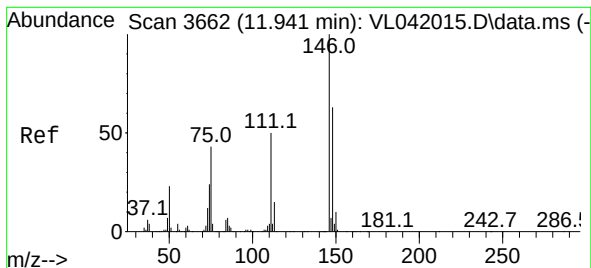
Ion Ratio Lower Upper

146 100

111 43.7 23.5 70.5

148 73.3 32.3 96.9





#77

1,2-Dichlorobenzene

Concen: 0.046 ppbv

RT: 11.963 min Scan# 3

Delta R.T. 0.003 min

Lab File: VL042031.D

Acq: 17 Feb 2025 15:21

Instrument :

MSVOA_L

ClientSampleId :

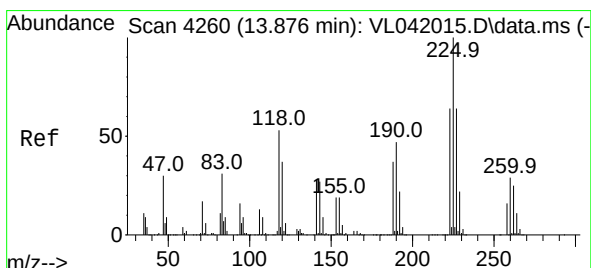
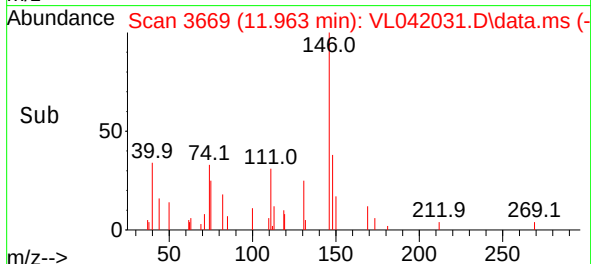
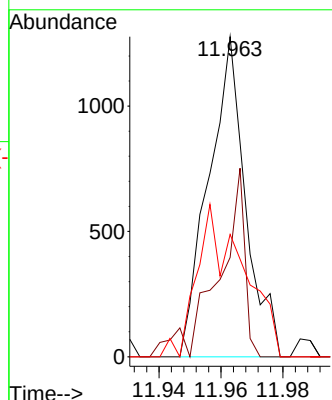
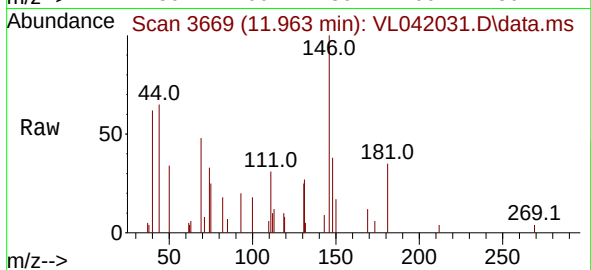
Tgt Ion:146 Resp: 1058

Ion Ratio Lower Upper

146 100

111 42.0 25.6 76.8

148 59.6 31.9 95.7



#78

Hexachloro-1,3-Butadiene

Concen: 0.041 ppbv

RT: 13.892 min Scan# 4265

Delta R.T. -0.003 min

Lab File: VL042031.D

Acq: 17 Feb 2025 15:21

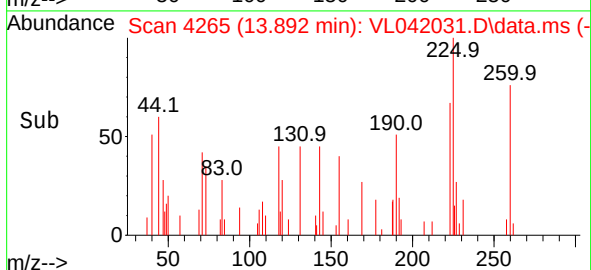
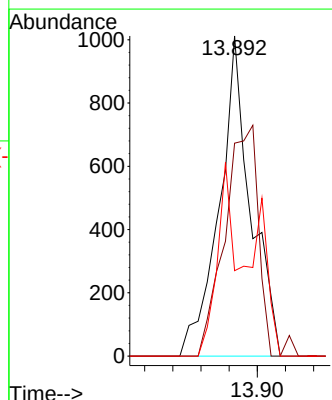
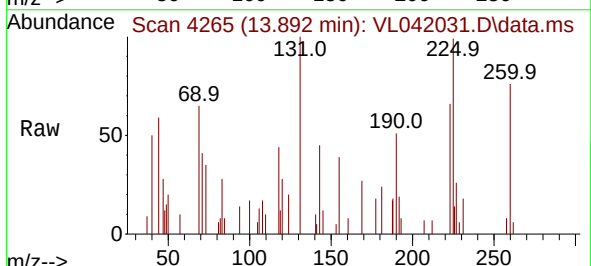
Tgt Ion:225 Resp: 783

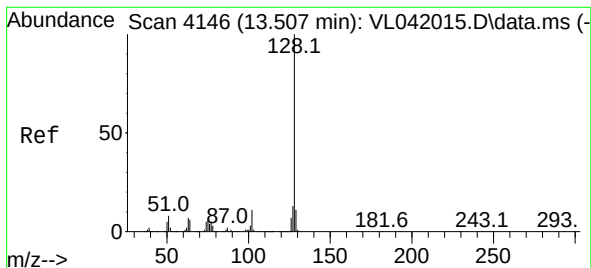
Ion Ratio Lower Upper

225 100

223 77.8 50.6 75.8#

227 61.2 50.9 76.3





#79

Naphthalene

Concen: 0.012 ppbv

RT: 13.526 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL042031.D

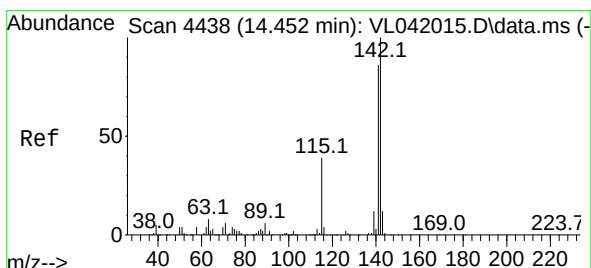
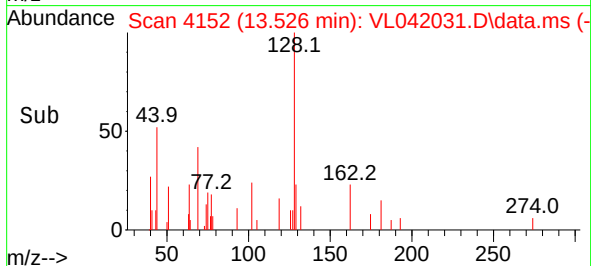
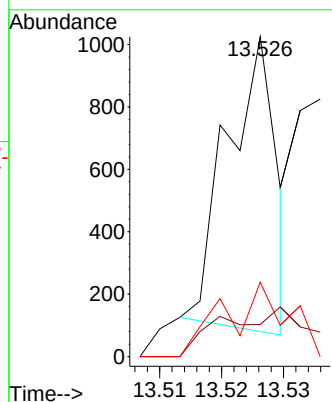
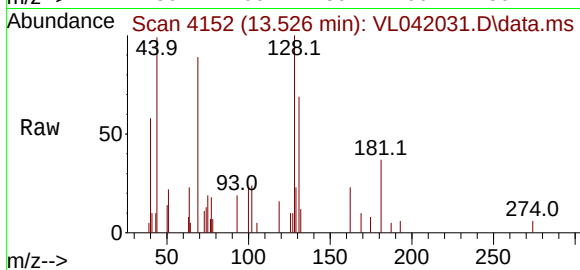
Acq: 17 Feb 2025 15:21

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:128	Resp:	516
Ion Ratio	Lower	Upper
128	100	
127	11.5	10.2 15.2
129	26.5	8.6 13.0#



#80

Naphthalene,2-methyl-

Concen: 0.005 ppbv

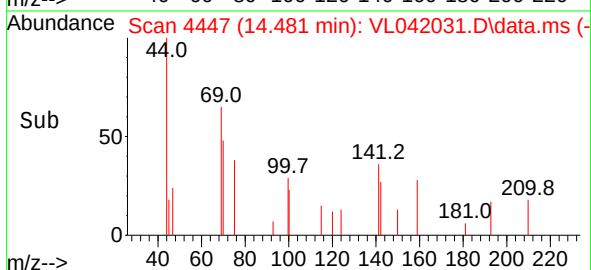
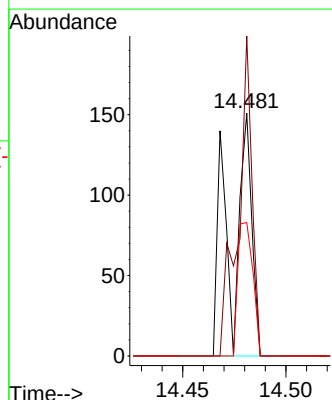
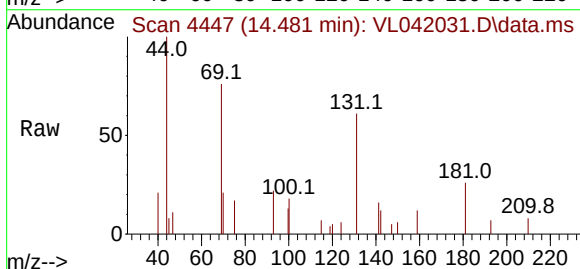
RT: 14.481 min Scan# 4447

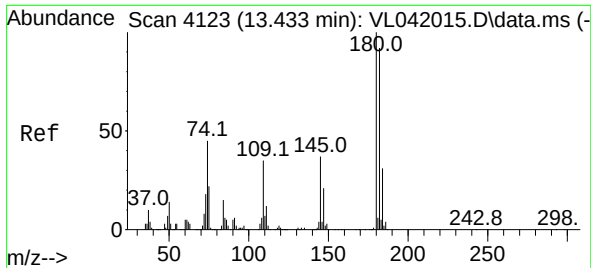
Delta R.T. 0.010 min

Lab File: VL042031.D

Acq: 17 Feb 2025 15:21

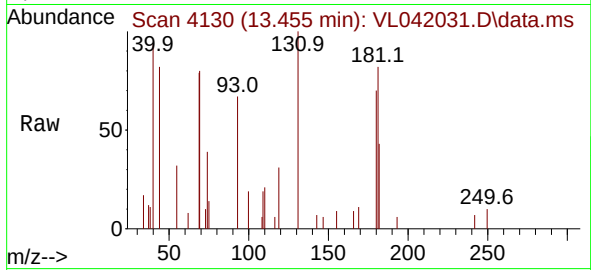
Tgt Ion:142	Resp:	103
Ion Ratio	Lower	Upper
142	100	
141	90.3	68.2 102.2
115	40.8	33.6 50.4





#81
 1,2,4-Trichlorobenzene
 Concen: 0.011 ppbv
 RT: 13.455 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VL042031.D
 Acq: 17 Feb 2025 15:21

Instrument :
 MSVOA_L
 ClientSampleId :



Tgt Ion:180 Resp: 198
 Ion Ratio Lower Upper
 180 100
 182 207.6 75.8 113.6#
 184 0.0 24.2 36.4#

