

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL011425\
 Data File : VL041891.D
 Acq On : 14 Jan 2025 13:59
 Operator : SY/MD
 Sample : VSTDIC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jan 14 21:20:45 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Jan 14 16:31:18 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.797	49	151226	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.972	114	453418	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.895	117	393836	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.387	95	312013	10.058	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.600%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	21262	1.032	ppbv	95
3) Chlorodifluoromethane	1.479	51	23396	1.084	ppbv	100
4) Chloromethane	1.534	50	7546	0.974	ppbv	94
5) Vinyl Chloride	1.583	62	8031	1.023	ppbv	97
6) Bromomethane	1.674	94	4139	1.107	ppbv #	81
7) Chloroethane	1.709	64	3093	1.013	ppbv	92
8) Dichlorotetrafluoroethane	1.557	85	18122	1.007	ppbv	100
9) Propene	1.486	41	8719	0.981	ppbv	93
10) Heptane	5.001	43	24438	1.029	ppbv	96
11) Trichlorofluoromethane	1.884	101	21425	1.000	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.143	101	17187	1.023	ppbv	95
13) Ethanol	1.725	45	650	0.998	ppbv #	29
14) Bromoethene	1.787	108	6736	1.096	ppbv #	88
15) Acetone	1.842	43	19681	1.084	ppbv	95
16) 1,3-Butadiene	1.612	39	8901	1.092	ppbv	98
17) tert-Butyl alcohol	2.049	59	23571	1.054	ppbv	95
18) 1,1-Dichloroethene	2.347	96	8819	1.165	ppbv	85
19) Isopropyl Alcohol	1.894	45	11054	1.026	ppbv #	32
20) Methylene Chloride	2.065	84	7608	1.060	ppbv #	89
21) Allyl Chloride	2.101	41	12451	0.990	ppbv	98
22) trans-1,2-Dichloroethene	2.347	96	8819	1.032	ppbv	96
23) Vinyl Acetate	2.470	43	7181	0.908	ppbv #	93
24) 1,1-Dichloroethane	2.415	63	16623	1.006	ppbv	97
25) Ethyl Acetate	2.845	43	50690	1.035	ppbv	98
26) Hexane	2.836	57	18893	0.975	ppbv	86
27) Carbon Disulfide	2.156	76	18993	0.991	ppbv #	23
28) Methyl tert-Butyl Ether	2.450	73	17955	1.213	ppbv	98
29) Chloroform	2.858	83	31155	1.017	ppbv	97
30) Cyclohexane	3.871	84	18048	1.074	ppbv	96
31) cis-1,2-Dichloroethene	2.729	61	21124	1.036	ppbv	99
32) 1,1,1-Trichloroethane	3.383	97	30396	1.037	ppbv	98
34) 2-Butanone	2.570	43	29280	1.015	ppbv	99
35) Carbon Tetrachloride	3.774	117	27946	0.979	ppbv	96
36) Benzene	3.671	78	43023	1.035	ppbv	93
37) 1,2-Dichloroethane	3.230	62	23402	1.002	ppbv	98
38) Trichloroethene	4.564	130	13656	0.827	ppbv #	86
39) 1,2-Dichloropropane	4.331	63	14570	0.999	ppbv	98
40) 1,4-Dioxane	4.613	88	3074	0.418	ppbv #	1
41) Tetrahydrofuran	3.075	42	14830	0.943	ppbv	94
42) Bromodichloromethane	4.509	83	16699	0.533	ppbv #	97
43) Methyl Methacrylate	4.901	69	15222	0.985	ppbv	95
44) 2,2,4-Trimethylpentane	4.661	57	68050	1.012	ppbv	98
45) t-1,3-Dichloropropene	6.438	75	13220	0.914	ppbv	92

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 Sample : VSTDIC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

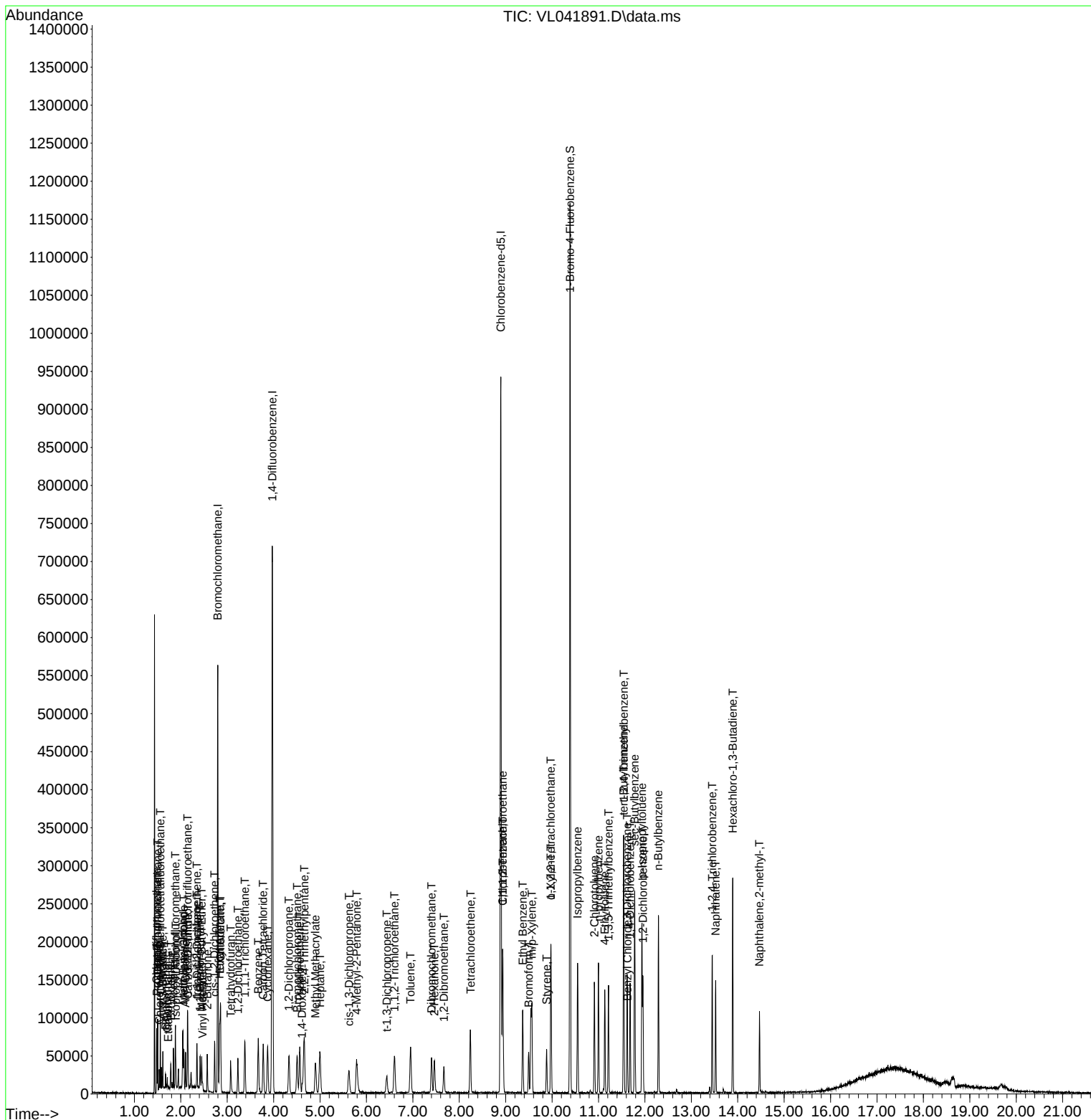
Instrument :
 MSVOA_L
 ClientSampleId :

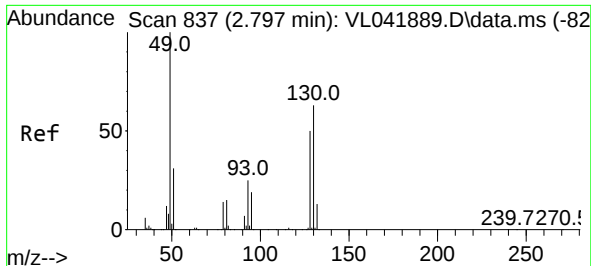
Quant Time: Jan 14 21:20:45 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Jan 14 16:31:18 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.626	75	17749	0.935	ppbv	97
47) 1,1,2-Trichloroethane	6.603	97	9684	0.626	ppbv	95
48) Dibromochloromethane	7.402	129	22169	0.929	ppbv	100
49) Bromoform	9.497	173	17876	0.912	ppbv	100
50) 4-Methyl-2-Pentanone	5.787	43	24972	0.636	ppbv #	63
51) 2-Hexanone	7.464	43	28999	0.959	ppbv #	95
52) Tetrachloroethene	8.244	164	14903	1.034	ppbv #	80
53) Toluene	6.949	91	26544	0.586	ppbv #	21
54) 1,2-Dibromoethane	7.668	107	21202	0.997	ppbv	96
56) 1,1,1,2-Tetrachloroethane	8.937	131	20255	1.031	ppbv	94
57) Chlorobenzene	8.933	112	38141	1.050	ppbv	98
58) Ethyl Benzene	9.367	91	61537	1.000	ppbv	99
59) m/p-Xylene	9.561	91	50463	1.021	ppbv #	30
60) o-Xylene	9.972	91	48888	0.998	ppbv	98
61) Styrene	9.882	104	20285	0.923	ppbv	99
62) Isopropylbenzene	10.549	105	75801	1.000	ppbv	98
63) 1,1,2,2-Tetrachloroethane	9.972	83	33289	1.080	ppbv	97
64) n-propylbenzene	11.002	120	19511	1.019	ppbv	99
65) tert-Butylbenzene	11.539	119	70183	1.016	ppbv	98
66) Benzyl Chloride	11.626	91	2065	0.483	ppbv #	76
67) sec-Butylbenzene	11.778	105	96749	1.018	ppbv	97
69) p-Isopropyltoluene	11.937	119	79283	1.013	ppbv	98
70) n-Butylbenzene	12.290	91	80664	1.039	ppbv	99
71) 2-Chlorotoluene	10.911	91	55540	0.991	ppbv	99
72) 4-Ethyltoluene	11.134	105	56973	0.973	ppbv	97
73) 1,3,5-Trimethylbenzene	11.215	105	53550	1.035	ppbv	97
74) 1,2,4-Trimethylbenzene	11.545	105	57352	1.024	ppbv	96
75) 1,3-Dichlorobenzene	11.617	146	34810	1.049	ppbv	99
76) 1,4-Dichlorobenzene	11.681	146	33822	1.041	ppbv	97
77) 1,2-Dichlorobenzene	11.960	146	35516	1.080	ppbv	98
78) Hexachloro-1,3-Butadiene	13.892	225	29210	1.082	ppbv	99
79) Naphthalene	13.523	128	66232	1.174	ppbv	98
80) Naphthalene,2-methyl-	14.468	142	28506	1.066	ppbv	98
81) 1,2,4-Trichlorobenzene	13.452	180	29053	1.055	ppbv	99

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M
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QLast Update : Tue Jan 14 16:31:18 2025
Response via : Initial Calibration

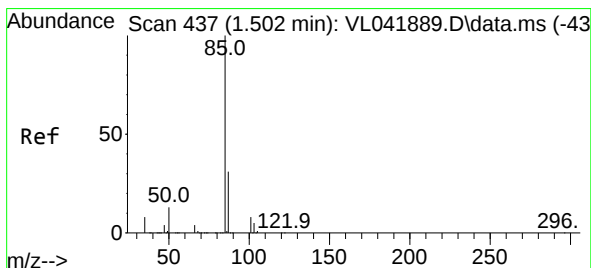
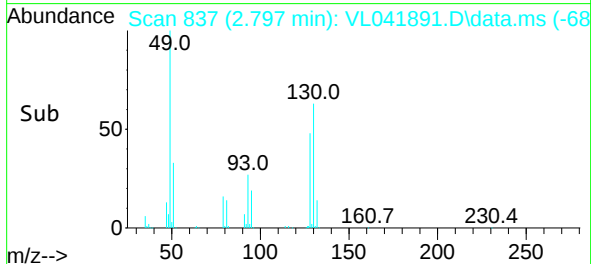
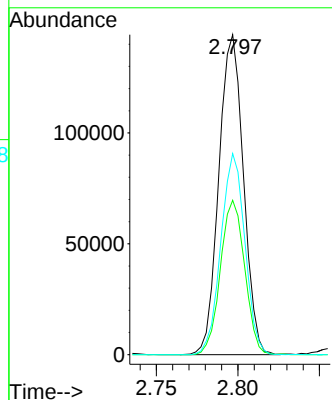
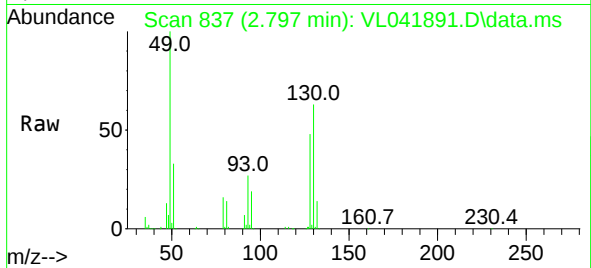




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.797 min Scan# 837
Delta R.T. -0.000 min
Lab File: VL041891.D
Acq: 14 Jan 2025 13:59

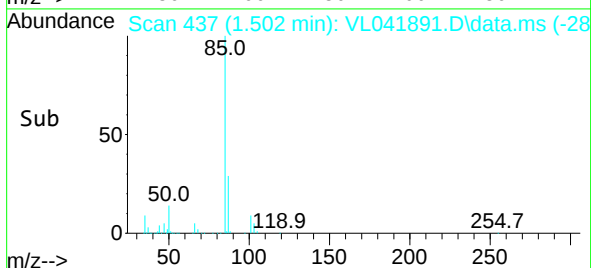
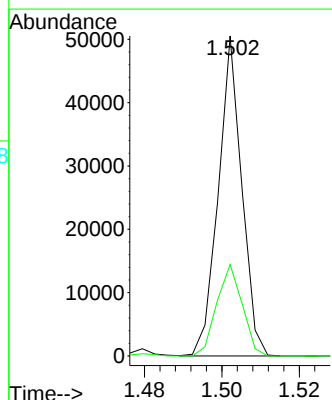
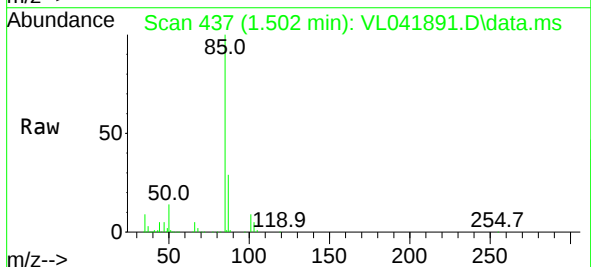
Instrument :
MSVOA_L
ClientSampleId :

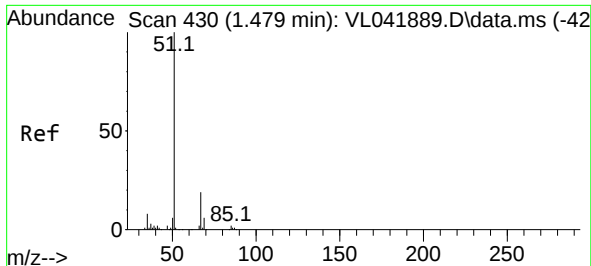
Tgt Ion: 49 Resp: 151226
Ion Ratio Lower Upper
49 100
128 47.6 24.3 73.0
130 61.4 31.1 93.2



#2
Dichlorodifluoromethane
Concen: 1.032 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.000 min
Lab File: VL041891.D
Acq: 14 Jan 2025 13:59

Tgt Ion: 85 Resp: 21262
Ion Ratio Lower Upper
85 100
87 28.6 24.9 37.3

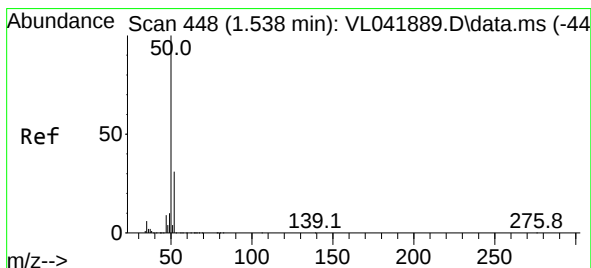
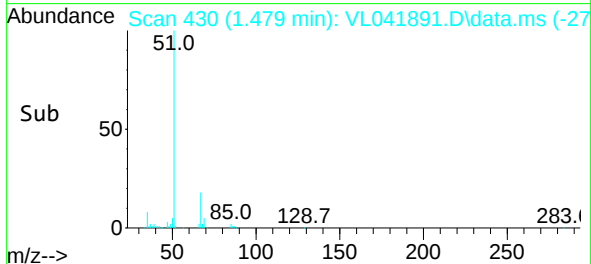
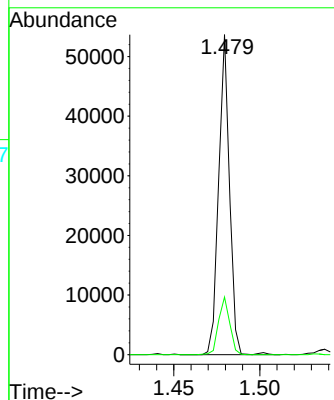
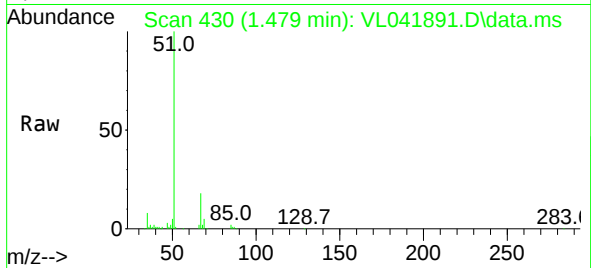




#3
Chlorodifluoromethane
Concen: 1.084 ppbv
RT: 1.479 min Scan# 41
Delta R.T. 0.000 min
Lab File: VL041891.D
Acq: 14 Jan 2025 13:59

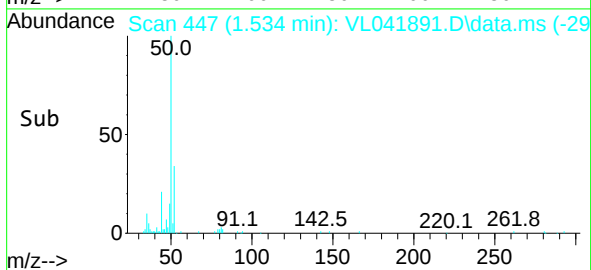
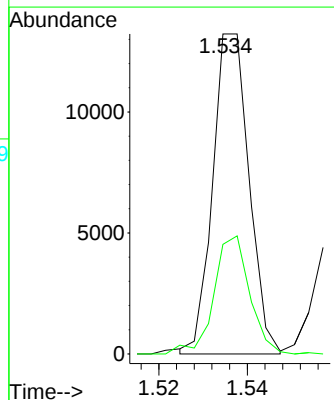
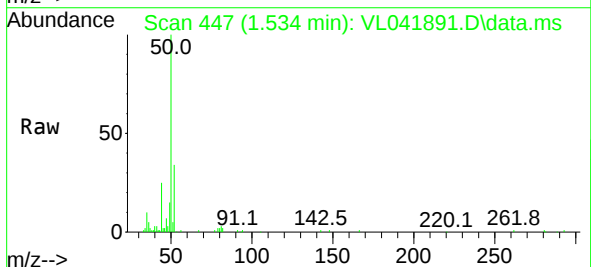
Instrument :
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ClientSampleId :

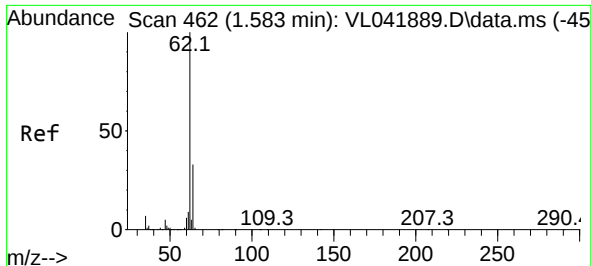
Tgt Ion: 51 Resp: 23396
Ion Ratio Lower Upper
51 100
67 18.6 15.0 22.4



#4
Chloromethane
Concen: 0.974 ppbv
RT: 1.534 min Scan# 447
Delta R.T. -0.003 min
Lab File: VL041891.D
Acq: 14 Jan 2025 13:59

Tgt Ion: 50 Resp: 7546
Ion Ratio Lower Upper
50 100
52 33.9 24.6 36.8

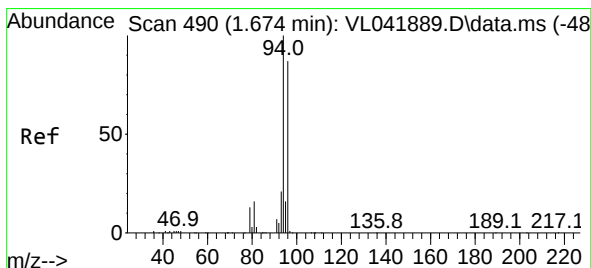
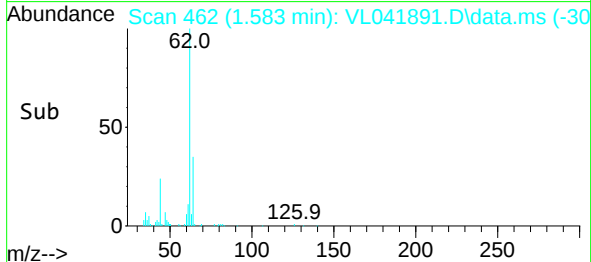
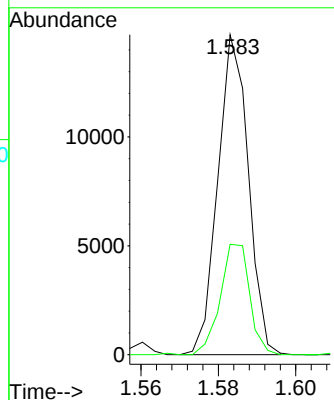
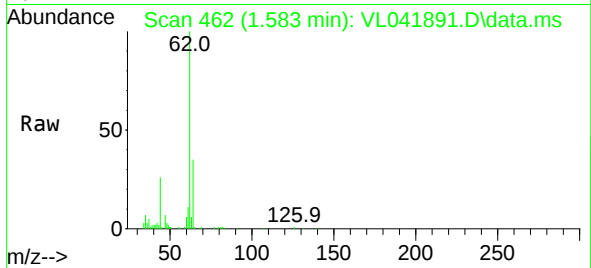




#5
 Vinyl Chloride
 Concen: 1.023 ppbv
 RT: 1.583 min Scan# 462
 Delta R.T. 0.000 min
 Lab File: VL041891.D
 Acq: 14 Jan 2025 13:59

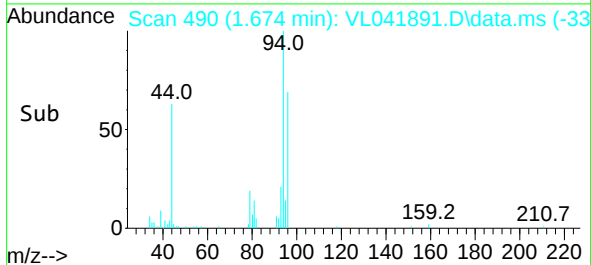
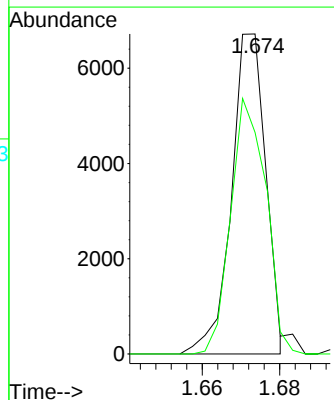
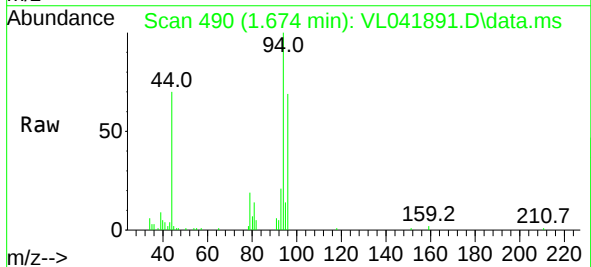
Instrument :
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 ClientSampleId :

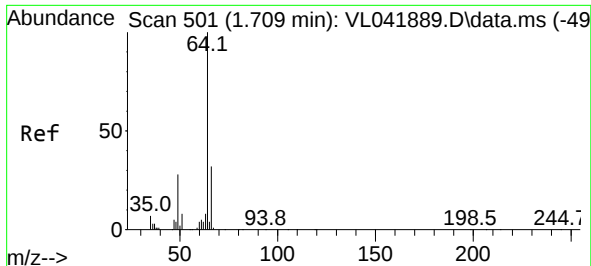
Tgt Ion: 62 Resp: 8031
 Ion Ratio Lower Upper
 62 100
 64 34.5 26.1 39.1



#6
 Bromomethane
 Concen: 1.107 ppbv
 RT: 1.674 min Scan# 490
 Delta R.T. 0.000 min
 Lab File: VL041891.D
 Acq: 14 Jan 2025 13:59

Tgt Ion: 94 Resp: 4139
 Ion Ratio Lower Upper
 94 100
 96 69.2 69.5 104.3#

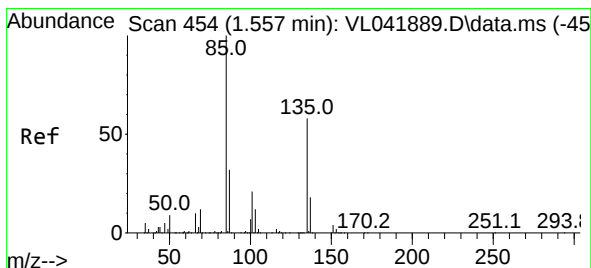
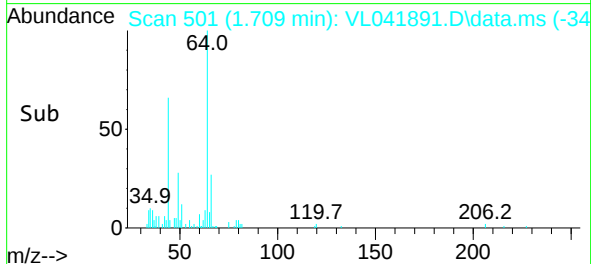
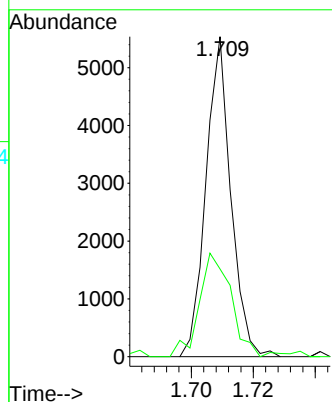
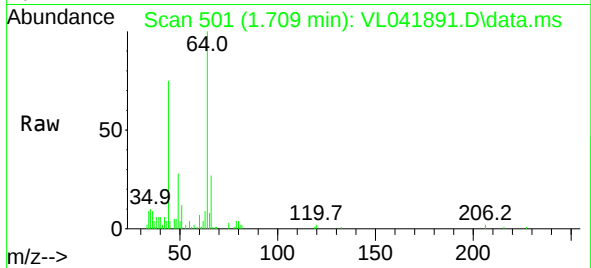




#7
Chloroethane
Concen: 1.013 ppbv
RT: 1.709 min Scan# 501
Delta R.T. 0.000 min
Lab File: VL041891.D
Acq: 14 Jan 2025 13:59

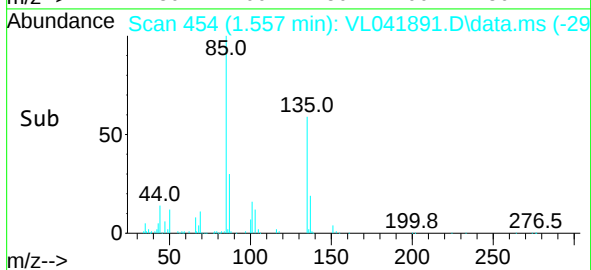
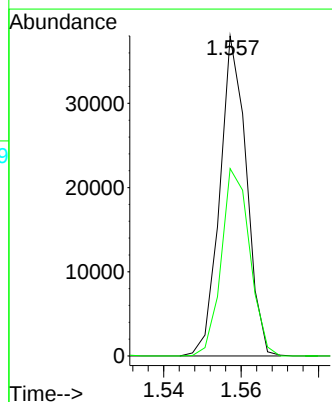
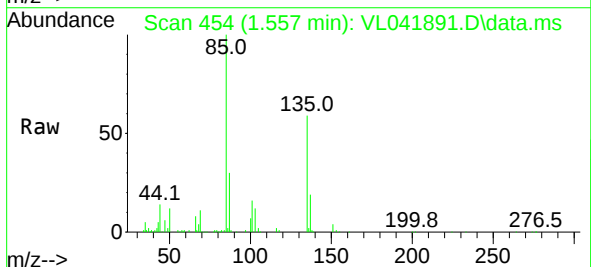
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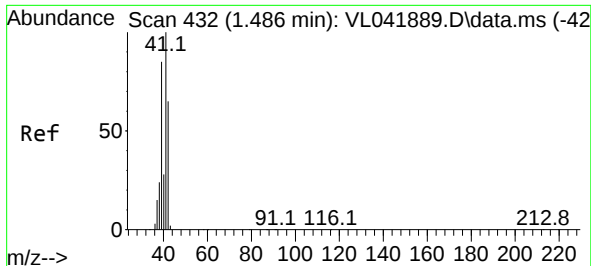
Tgt Ion: 64 Resp: 3093
Ion Ratio Lower Upper
64 100
66 27.4 25.7 38.5



#8
Dichlorotetrafluoroethane
Concen: 1.007 ppbv
RT: 1.557 min Scan# 454
Delta R.T. 0.000 min
Lab File: VL041891.D
Acq: 14 Jan 2025 13:59

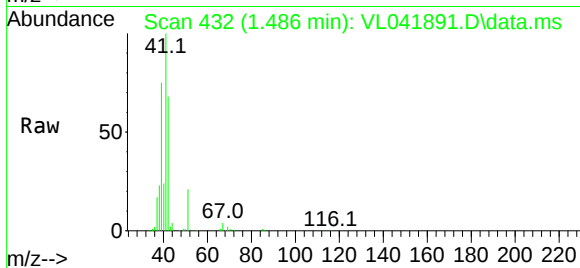
Tgt Ion: 85 Resp: 18122
Ion Ratio Lower Upper
85 100
135 62.8 50.0 75.0



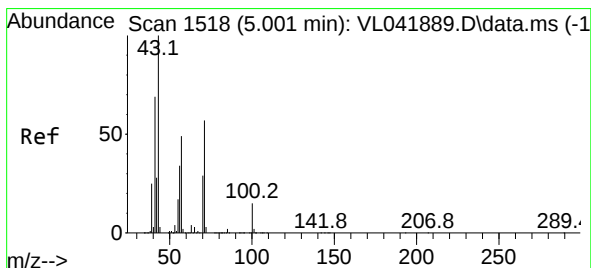
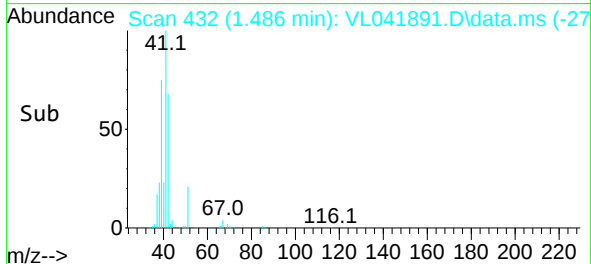
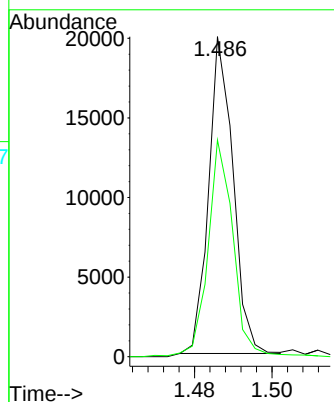


#9
Propene
Concen: 0.981 ppbv
RT: 1.486 min Scan# 41
Delta R.T. 0.000 min
Lab File: VL041891.D
Acq: 14 Jan 2025 13:59

Instrument :
MSVOA_L
ClientSampleId :

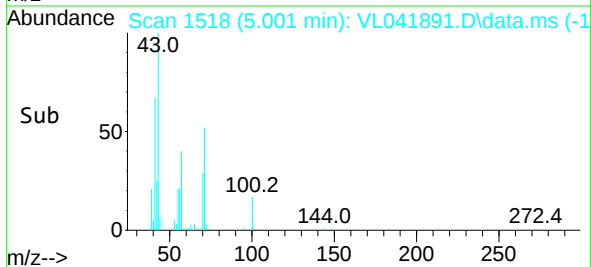
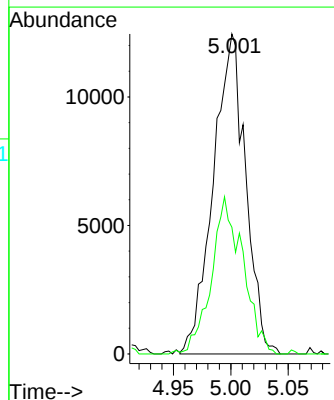
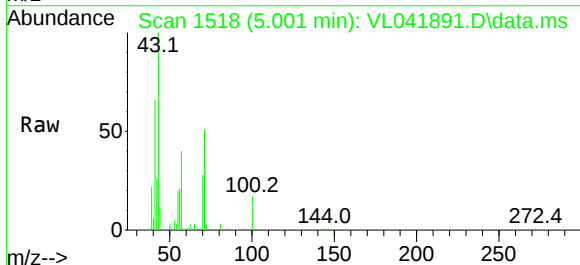


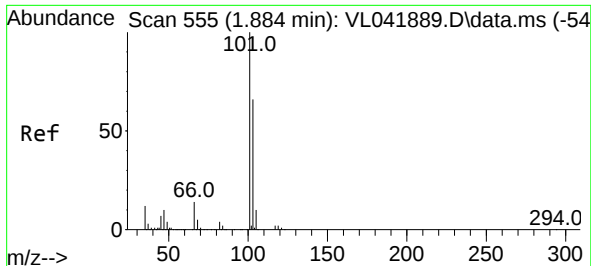
Tgt Ion: 41 Resp: 8719
Ion Ratio Lower Upper
41 100
42 70.4 52.0 78.0



#10
Heptane
Concen: 1.029 ppbv
RT: 5.001 min Scan# 1518
Delta R.T. 0.000 min
Lab File: VL041891.D
Acq: 14 Jan 2025 13:59

Tgt Ion: 43 Resp: 24438
Ion Ratio Lower Upper
43 100
57 48.1 41.0 61.4

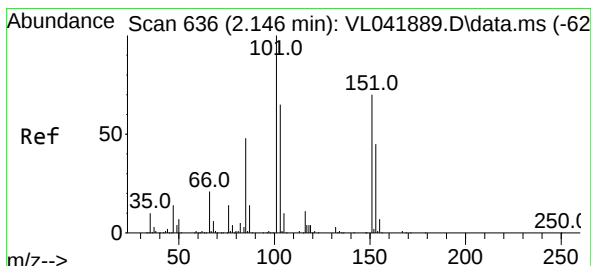
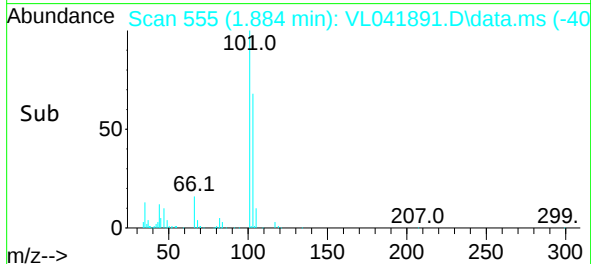
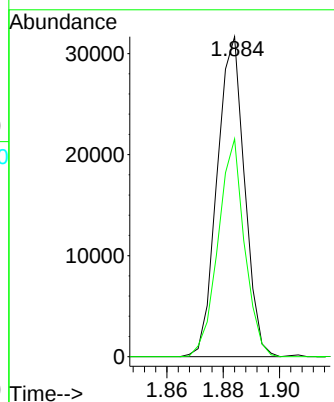
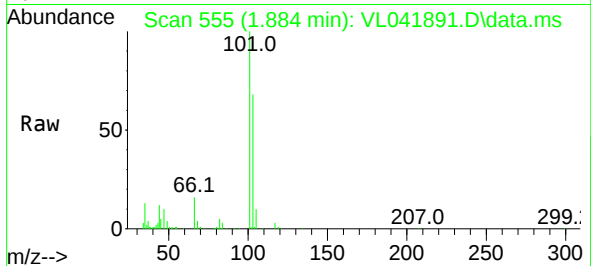




#11
Trichlorofluoromethane
Concen: 1.000 ppbv
RT: 1.884 min Scan# 511
Delta R.T. 0.000 min
Lab File: VL041891.D
Acq: 14 Jan 2025 13:59

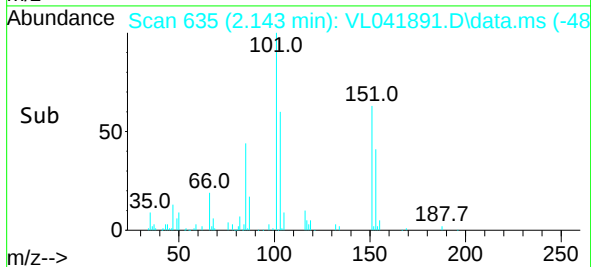
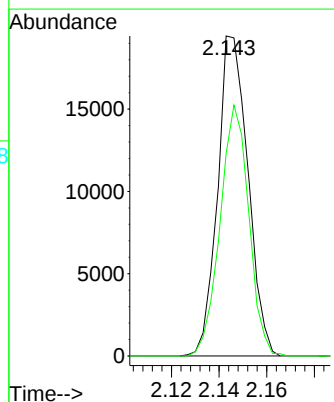
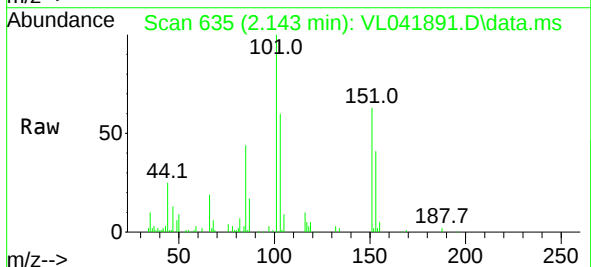
Instrument :
MSVOA_L
ClientSampleId :

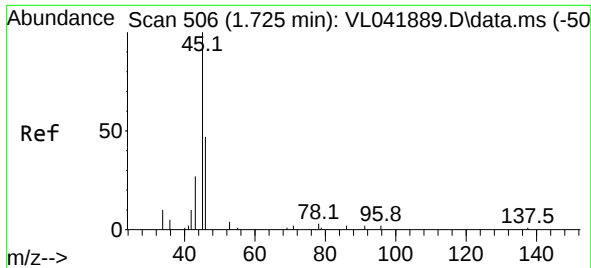
Tgt Ion:101 Resp: 21425
Ion Ratio Lower Upper
101 100
103 68.0 53.1 79.7



#12
1,1,2-Trichlorotrifluoroethane
Concen: 1.023 ppbv
RT: 2.143 min Scan# 635
Delta R.T. -0.003 min
Lab File: VL041891.D
Acq: 14 Jan 2025 13:59

Tgt Ion:101 Resp: 17187
Ion Ratio Lower Upper
101 100
151 74.1 56.1 84.1

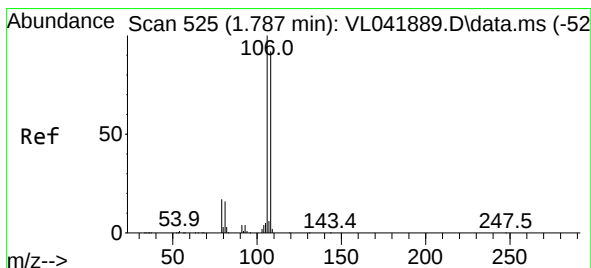
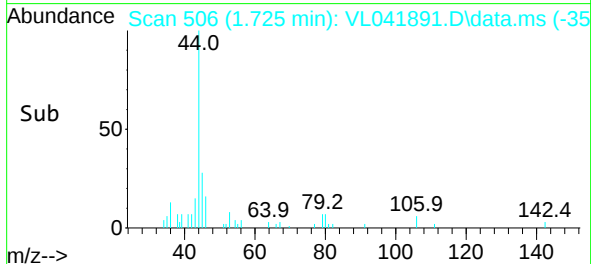
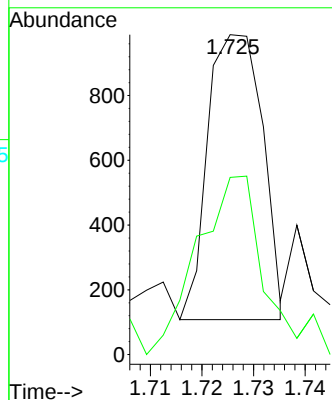
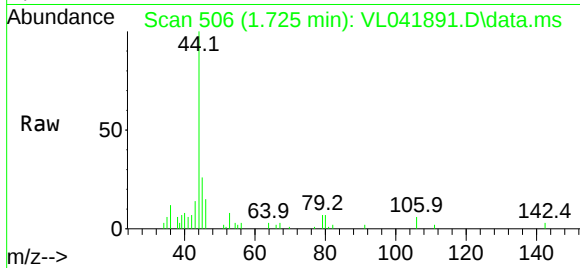




#13
 Ethanol
 Concen: 0.998 ppbv
 RT: 1.725 min Scan# 506
 Delta R.T. 0.000 min
 Lab File: VL041891.D
 Acq: 14 Jan 2025 13:59

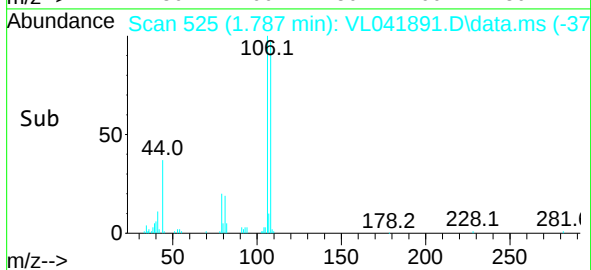
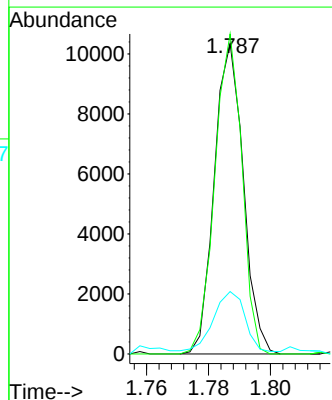
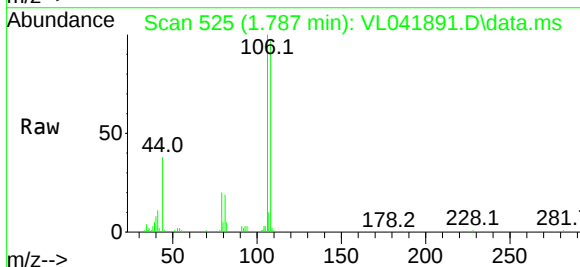
Instrument :
 MSVOA_L
 ClientSampleId :

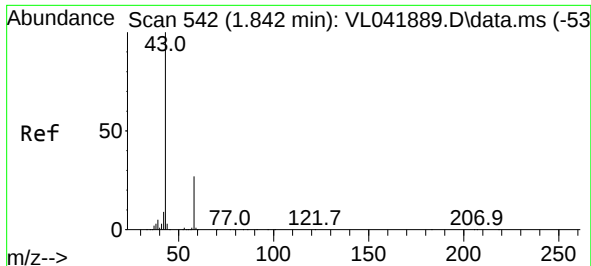
Tgt Ion: 45 Resp: 650
 Ion Ratio Lower Upper
 45 100
 46 91.8 18.1 72.5#



#14
 Bromoethene
 Concen: 1.096 ppbv
 RT: 1.787 min Scan# 525
 Delta R.T. 0.000 min
 Lab File: VL041891.D
 Acq: 14 Jan 2025 13:59

Tgt Ion: 108 Resp: 6736
 Ion Ratio Lower Upper
 108 100
 106 96.0 85.5 128.3
 79 27.1 15.3 22.9#

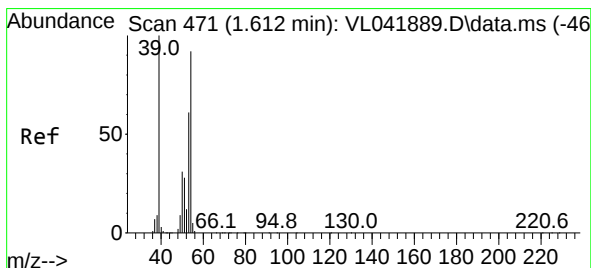
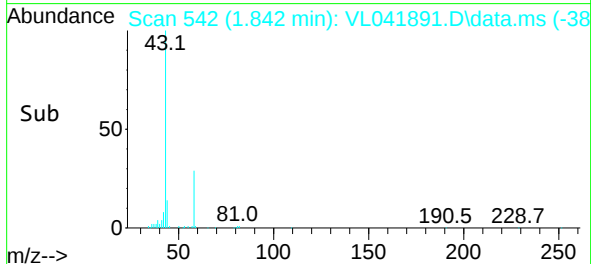
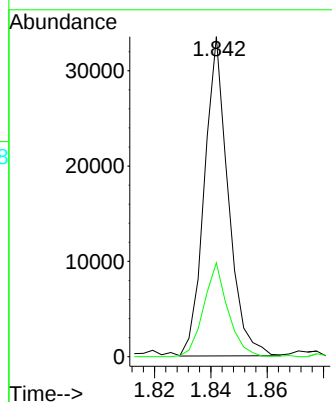
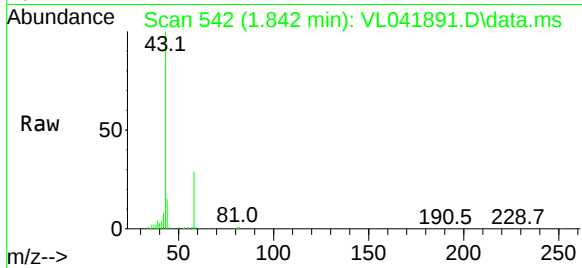




#15
Acetone
Concen: 1.084 ppbv
RT: 1.842 min Scan# 542
Delta R.T. 0.000 min
Lab File: VL041891.D
Acq: 14 Jan 2025 13:59

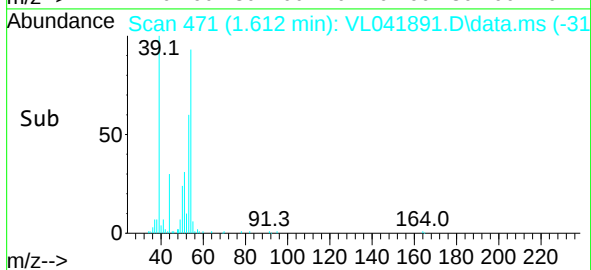
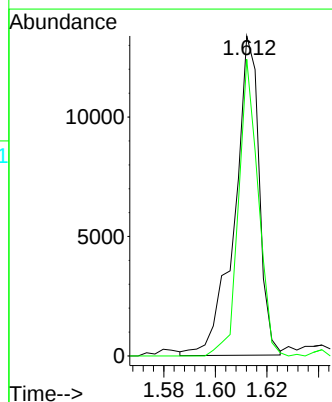
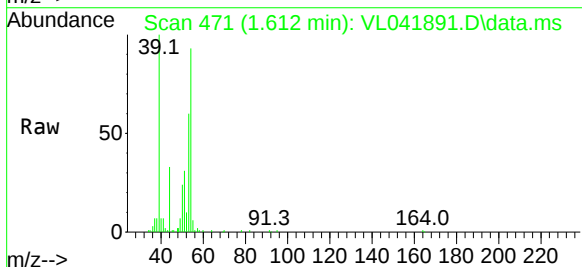
Instrument :
MSVOA_L
ClientSampleId :

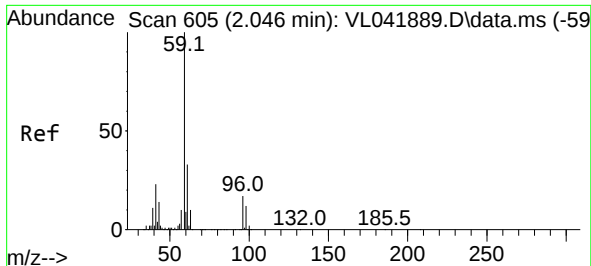
Tgt Ion: 43 Resp: 19681
Ion Ratio Lower Upper
43 100
58 30.1 21.9 32.9



#16
1,3-Butadiene
Concen: 1.092 ppbv
RT: 1.612 min Scan# 471
Delta R.T. 0.000 min
Lab File: VL041891.D
Acq: 14 Jan 2025 13:59

Tgt Ion: 39 Resp: 8901
Ion Ratio Lower Upper
39 100
54 74.9 61.6 92.4





#17

tert-Butyl alcohol

Concen: 1.054 ppbv

RT: 2.049 min Scan# 605

Delta R.T. 0.003 min

Lab File: VL041891.D

Acq: 14 Jan 2025 13:59

Instrument :

MSVOA_L

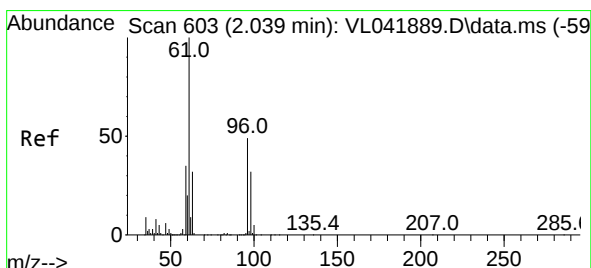
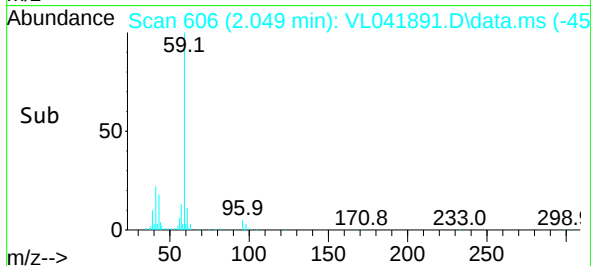
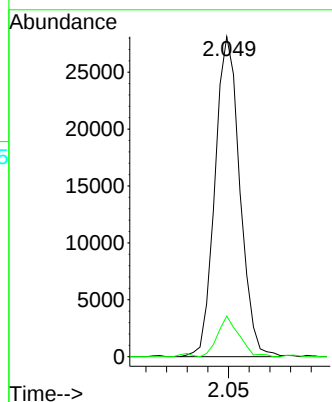
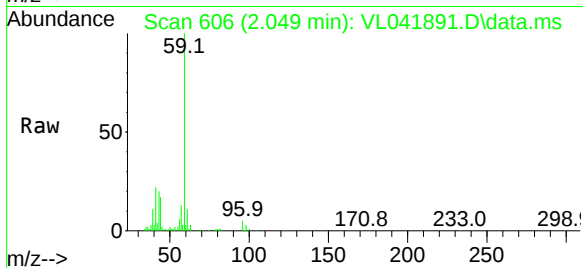
ClientSampleId :

Tgt Ion: 59 Resp: 23571

Ion Ratio Lower Upper

59 100

57 11.6 7.8 11.8



#18

1,1-Dichloroethene

Concen: 1.165 ppbv

RT: 2.347 min Scan# 698

Delta R.T. 0.308 min

Lab File: VL041891.D

Acq: 14 Jan 2025 13:59

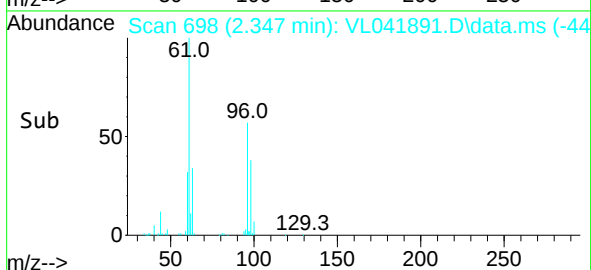
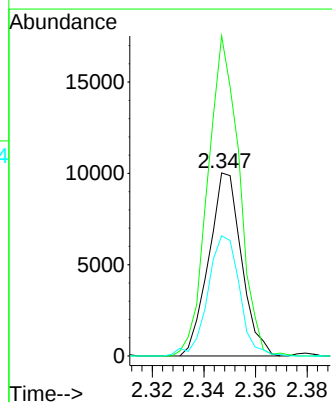
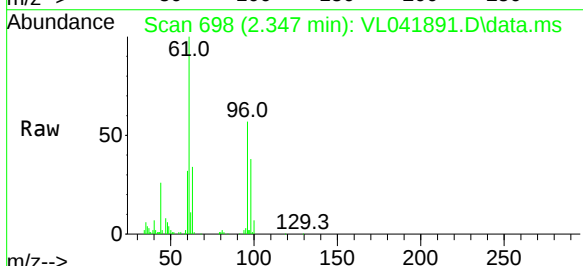
Tgt Ion: 96 Resp: 8819

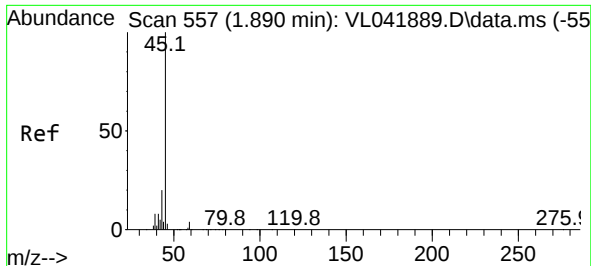
Ion Ratio Lower Upper

96 100

61 173.3 163.1 244.7

98 64.7 52.7 79.1

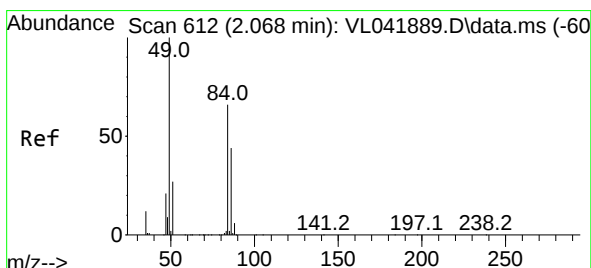
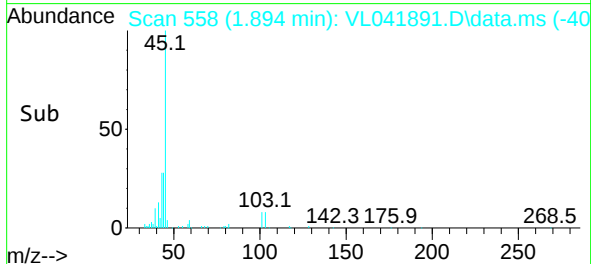
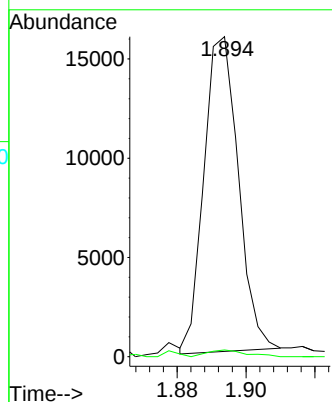
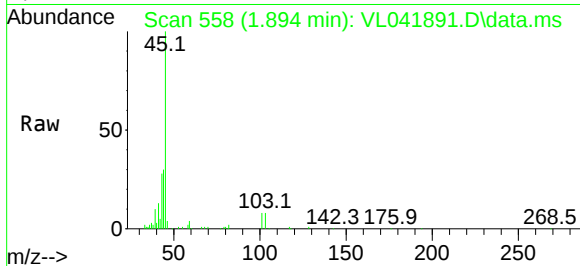




#19
Isopropyl Alcohol
Concen: 1.026 ppbv
RT: 1.894 min Scan# 51
Delta R.T. 0.003 min
Lab File: VL041891.D
Acq: 14 Jan 2025 13:59

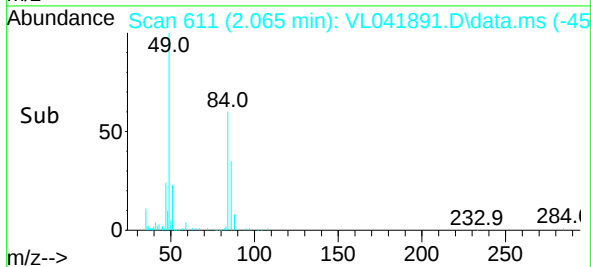
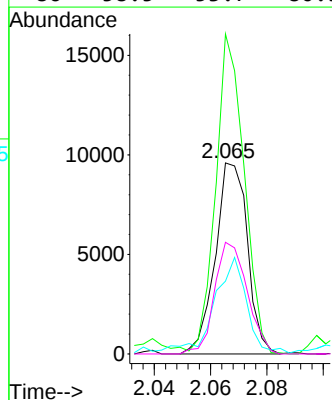
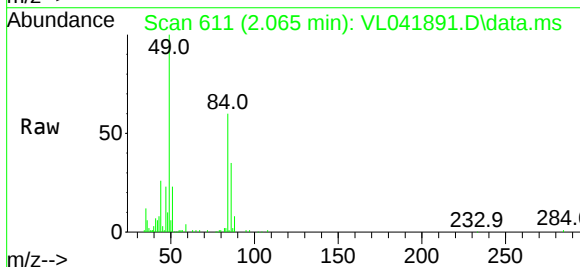
Instrument :
MSVOA_L
ClientSampleId :

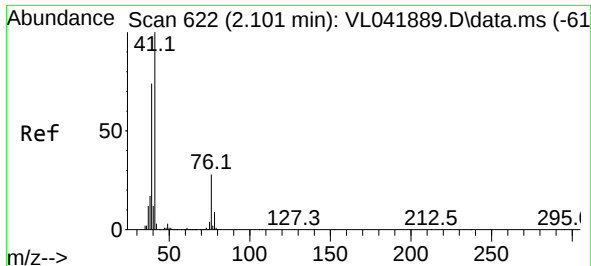
Tgt Ion: 45 Resp: 11054
Ion Ratio Lower Upper
45 100
58 0.0 35.0 52.6#



#20
Methylene Chloride
Concen: 1.060 ppbv
RT: 2.065 min Scan# 611
Delta R.T. -0.003 min
Lab File: VL041891.D
Acq: 14 Jan 2025 13:59

Tgt Ion: 84 Resp: 7608
Ion Ratio Lower Upper
84 100
49 167.0 123.1 184.7
51 35.2 35.8 53.8#
86 58.5 53.7 80.5





#21

Allyl Chloride

Concen: 0.990 ppbv

RT: 2.101 min Scan# 61

Delta R.T. 0.000 min

Lab File: VL041891.D

Acq: 14 Jan 2025 13:59

Instrument :

MSVOA_L

ClientSampleId :

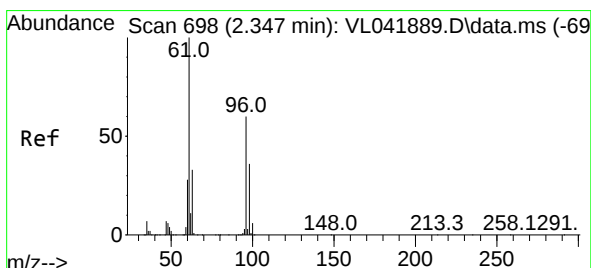
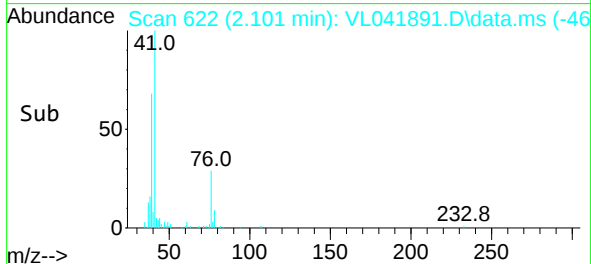
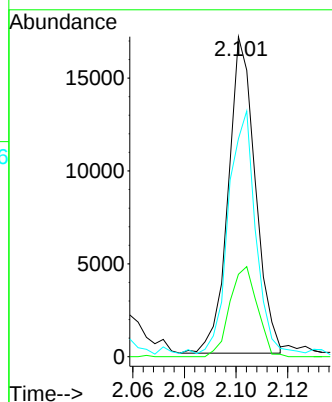
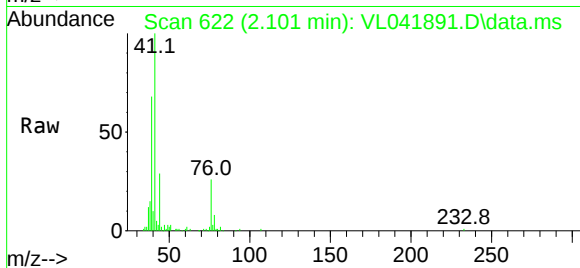
Tgt Ion: 41 Resp: 12451

Ion Ratio Lower Upper

41 100

76 28.9 24.2 36.4

39 77.1 60.6 91.0



#22

trans-1,2-Dichloroethene

Concen: 1.032 ppbv

RT: 2.347 min Scan# 698

Delta R.T. 0.000 min

Lab File: VL041891.D

Acq: 14 Jan 2025 13:59

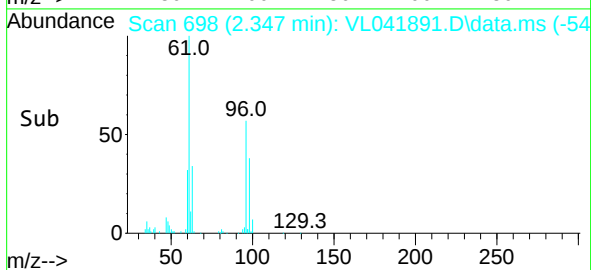
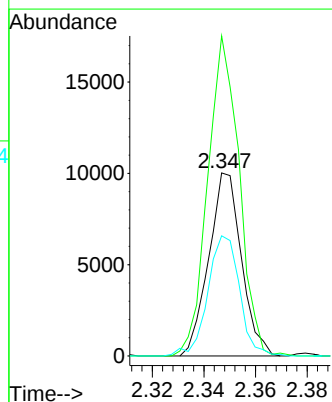
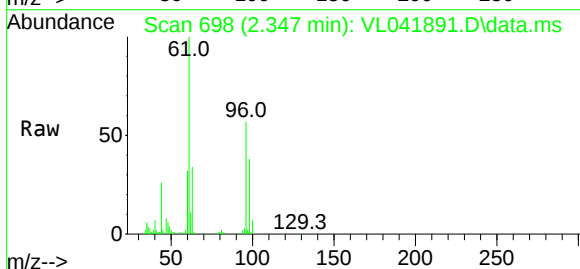
Tgt Ion: 96 Resp: 8819

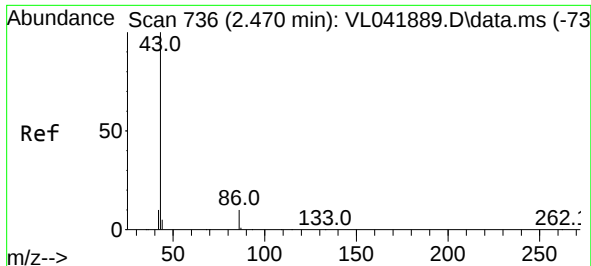
Ion Ratio Lower Upper

96 100

61 173.3 134.5 201.7

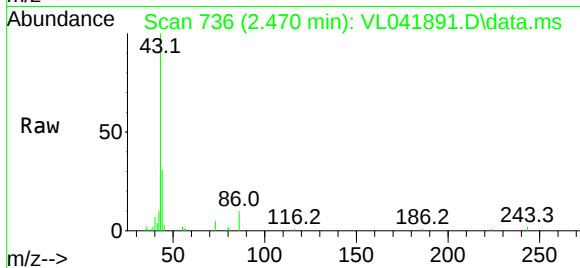
98 64.7 48.9 73.3



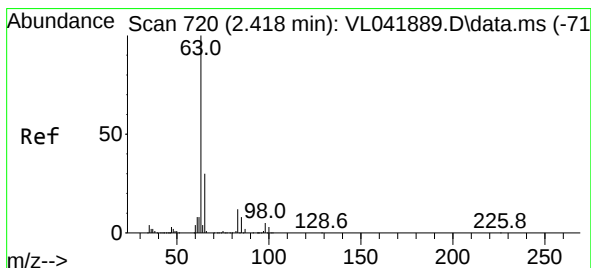
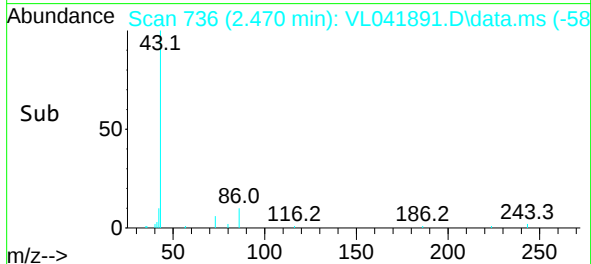
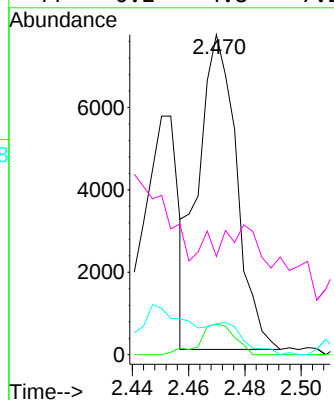


#23
 Vinyl Acetate
 Concen: 0.908 ppbv
 RT: 2.470 min Scan# 719
 Delta R.T. 0.000 min
 Lab File: VL041891.D
 Acq: 14 Jan 2025 13:59

Instrument :
 MSVOA_L
 ClientSampleId :

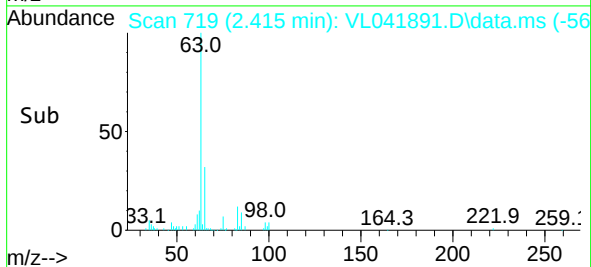
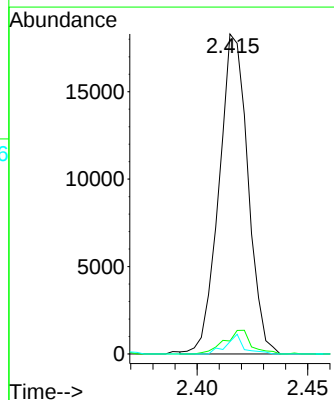
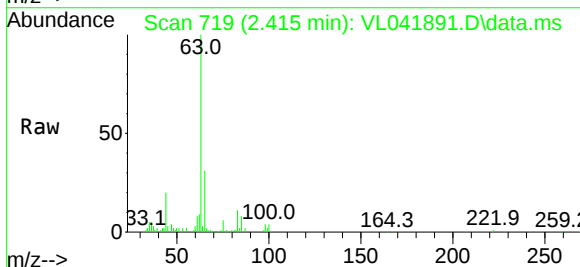


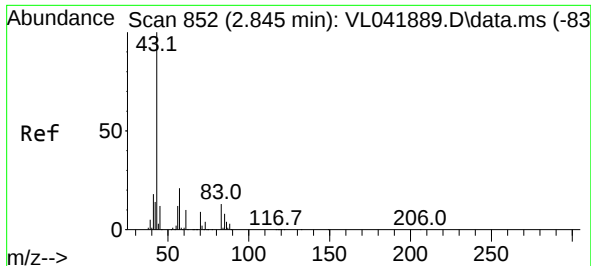
Tgt Ion:	43	Resp:	7181
Ion	Ratio	Lower	Upper
43	100		
86	9.7	6.2	9.4#
42	9.7	8.5	12.7
44	0.2	4.8	7.2#



#24
 1,1-Dichloroethane
 Concen: 1.006 ppbv
 RT: 2.415 min Scan# 719
 Delta R.T. -0.003 min
 Lab File: VL041891.D
 Acq: 14 Jan 2025 13:59

Tgt Ion:	63	Resp:	16623
Ion	Ratio	Lower	Upper
63	100		
98	4.1	2.6	7.8
100	3.9	1.4	4.2

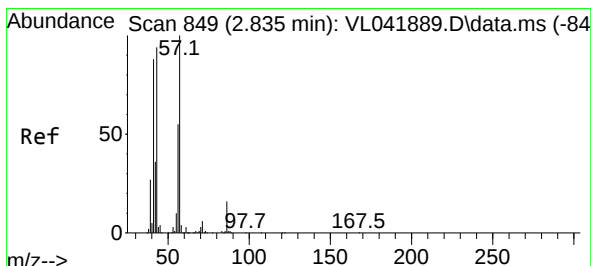
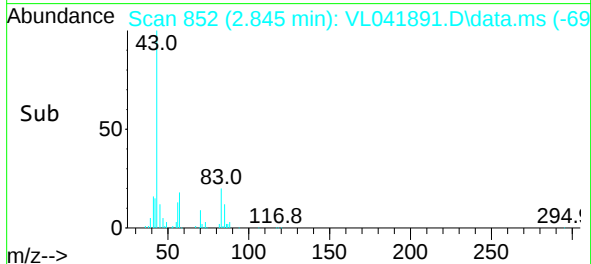
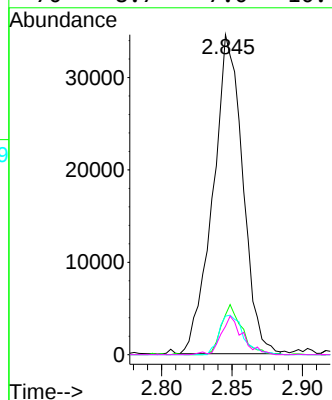
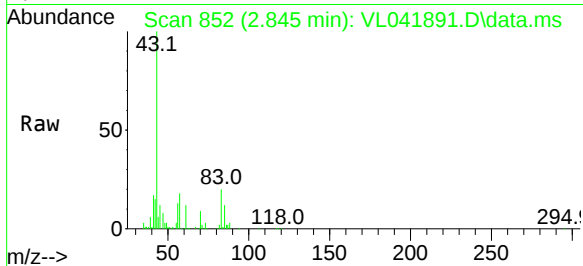




#25
Ethyl Acetate
Concen: 1.035 ppbv
RT: 2.845 min Scan# 852
Delta R.T. 0.000 min
Lab File: VL041891.D
Acq: 14 Jan 2025 13:59

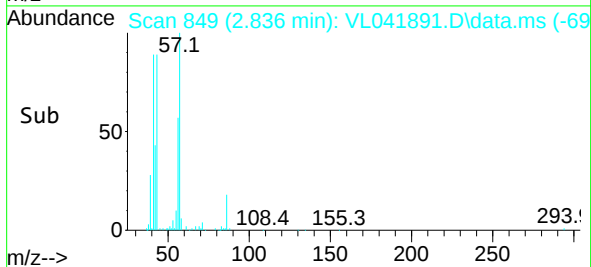
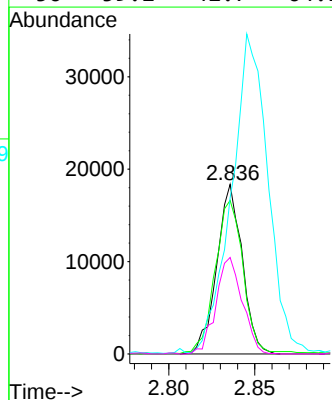
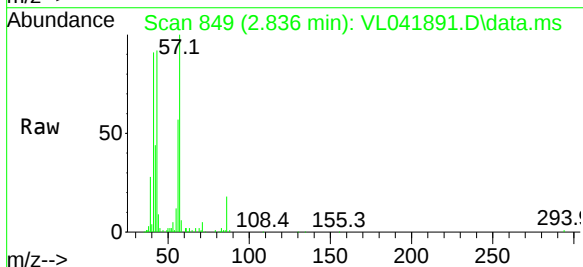
Instrument :
MSVOA_L
ClientSampleId :

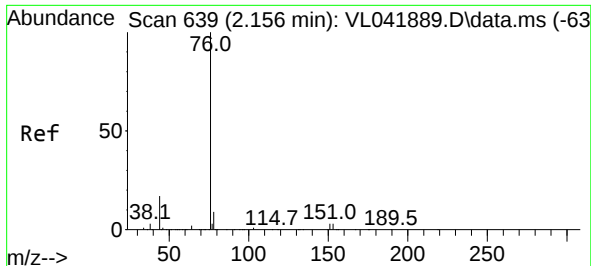
Tgt Ion: 43	Resp: 50690
Ion Ratio	Lower Upper
43 100	
45 11.0	8.2 12.2
61 10.0	7.4 11.0
70 8.7	7.0 10.4



#26
Hexane
Concen: 0.975 ppbv
RT: 2.836 min Scan# 849
Delta R.T. 0.000 min
Lab File: VL041891.D
Acq: 14 Jan 2025 13:59

Tgt Ion: 57	Resp: 18893
Ion Ratio	Lower Upper
57 100	
41 101.0	73.8 110.8
43 276.9	197.3 295.9
56 59.2	42.7 64.1

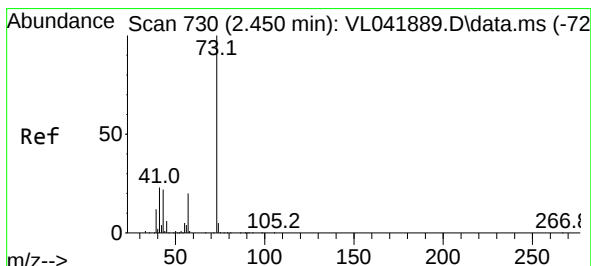
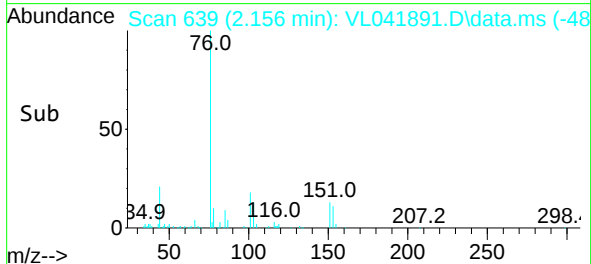
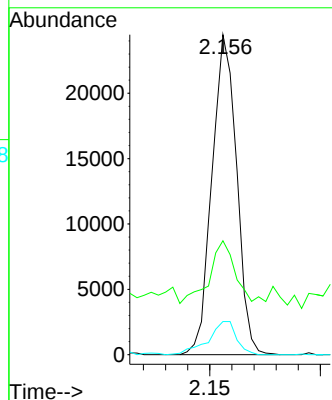
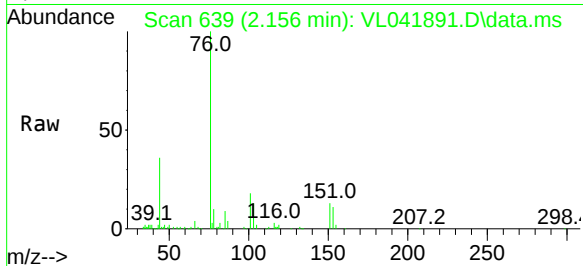




#27
Carbon Disulfide
Concen: 0.991 ppbv
RT: 2.156 min Scan# 61
Delta R.T. 0.000 min
Lab File: VL041891.D
Acq: 14 Jan 2025 13:59

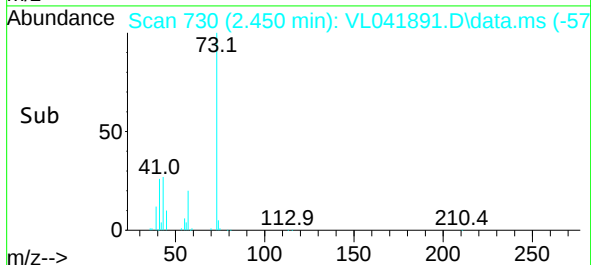
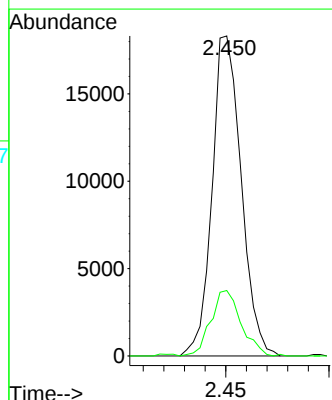
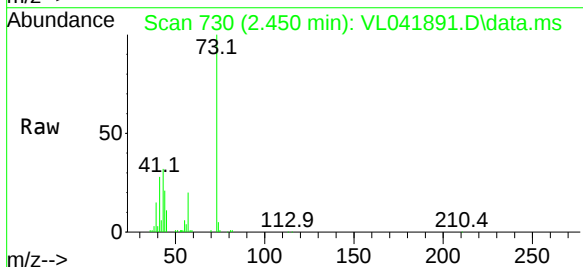
Instrument :
MSVOA_L
ClientSampleId :

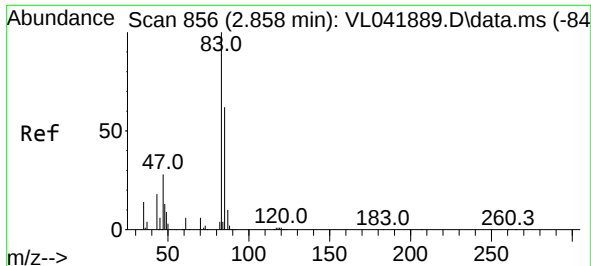
Tgt Ion: 76 Resp: 18993
Ion Ratio Lower Upper
76 100
44 75.3 15.4 23.0#
78 11.9 9.3 13.9



#28
Methyl tert-Butyl Ether
Concen: 1.213 ppbv
RT: 2.450 min Scan# 730
Delta R.T. 0.000 min
Lab File: VL041891.D
Acq: 14 Jan 2025 13:59

Tgt Ion: 73 Resp: 17955
Ion Ratio Lower Upper
73 100
57 21.6 18.1 27.1





#29

Chloroform

Concen: 1.017 ppbv

RT: 2.858 min Scan# 856

Delta R.T. 0.000 min

Lab File: VL041891.D

Acq: 14 Jan 2025 13:59

Instrument :

MSVOA_L

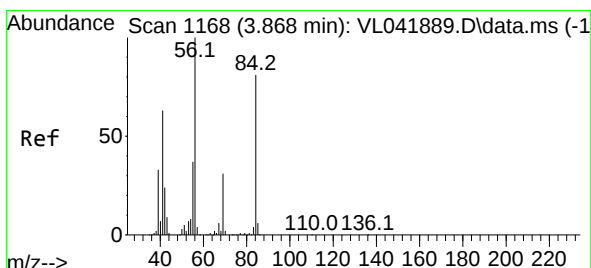
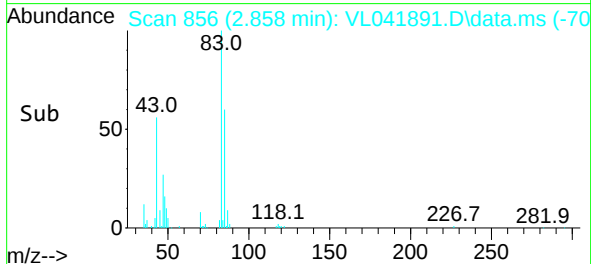
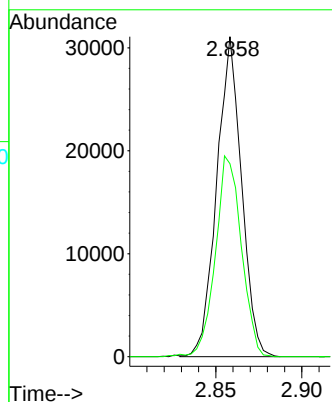
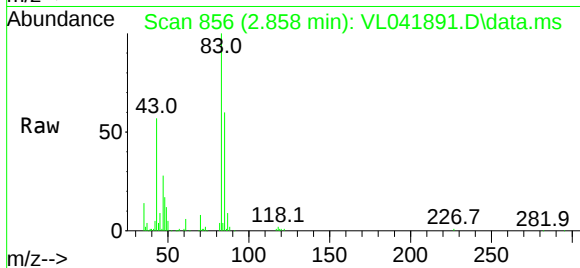
ClientSampleId :

Tgt Ion: 83 Resp: 31155

Ion Ratio Lower Upper

83 100

85 60.3 50.1 75.1



#30

Cyclohexane

Concen: 1.074 ppbv

RT: 3.871 min Scan# 1169

Delta R.T. 0.003 min

Lab File: VL041891.D

Acq: 14 Jan 2025 13:59

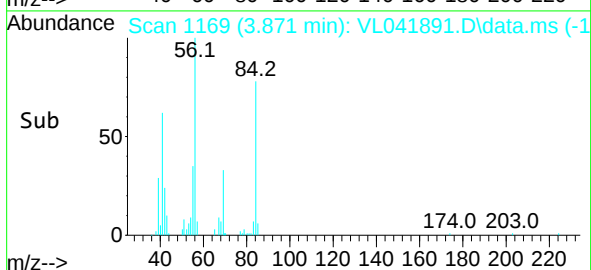
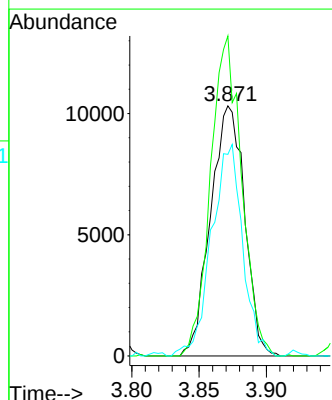
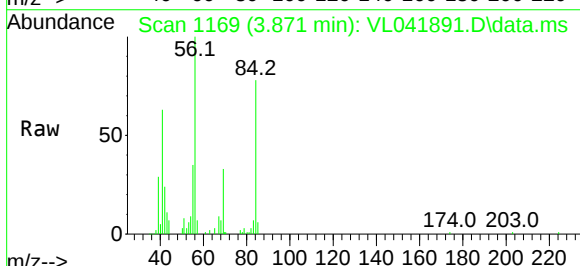
Tgt Ion: 84 Resp: 18048

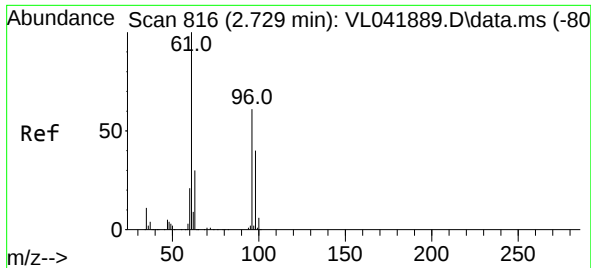
Ion Ratio Lower Upper

84 100

56 117.7 99.3 148.9

41 78.0 64.3 96.5

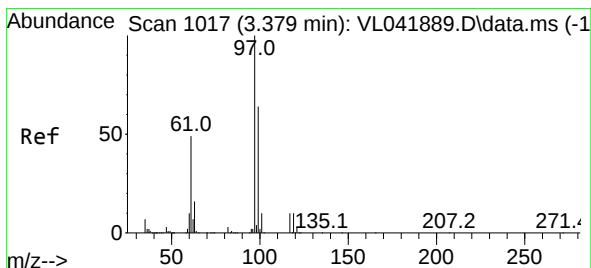
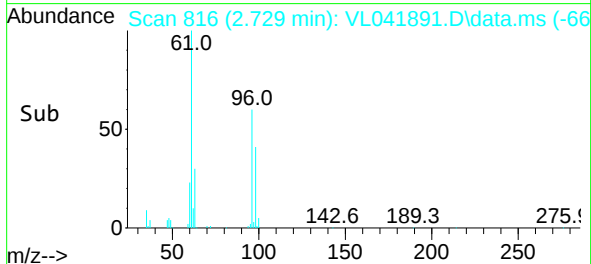
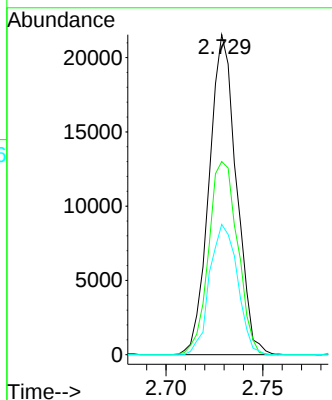
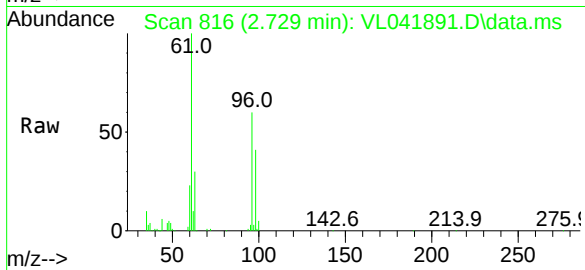




#31
 cis-1,2-Dichloroethene
 Concen: 1.036 ppbv
 RT: 2.729 min Scan# 816
 Delta R.T. 0.000 min
 Lab File: VL041891.D
 Acq: 14 Jan 2025 13:59

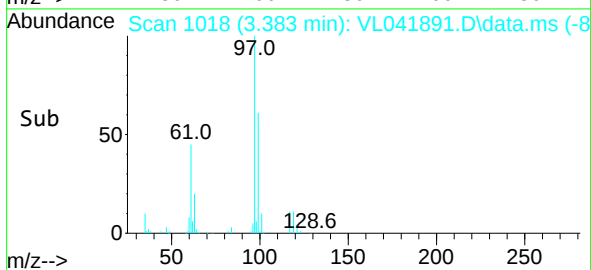
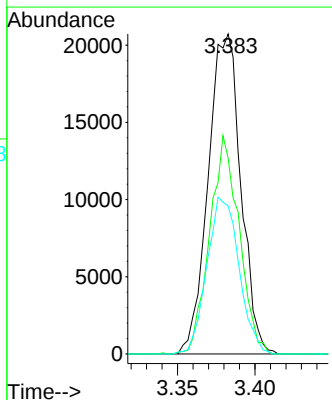
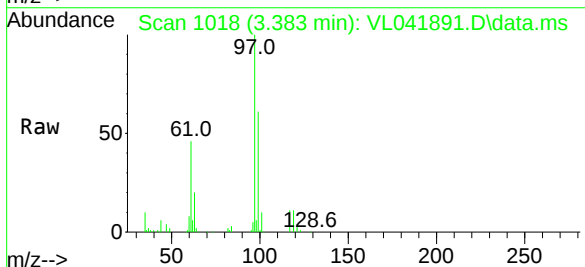
Instrument :
 MSVOA_L
 ClientSampleId :

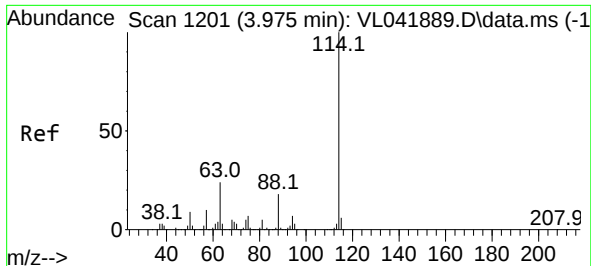
Tgt Ion: 61 Resp: 21124
 Ion Ratio Lower Upper
 61 100
 96 60.0 48.7 73.1
 98 40.7 31.6 47.4



#32
 1,1,1-Trichloroethane
 Concen: 1.037 ppbv
 RT: 3.383 min Scan# 1018
 Delta R.T. 0.003 min
 Lab File: VL041891.D
 Acq: 14 Jan 2025 13:59

Tgt Ion: 97 Resp: 30396
 Ion Ratio Lower Upper
 97 100
 99 61.4 51.1 76.7
 61 48.1 39.0 58.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.972 min Scan# 11

Delta R.T. -0.003 min

Lab File: VL041891.D

Acq: 14 Jan 2025 13:59

Instrument :

MSVOA_L

ClientSampleId :

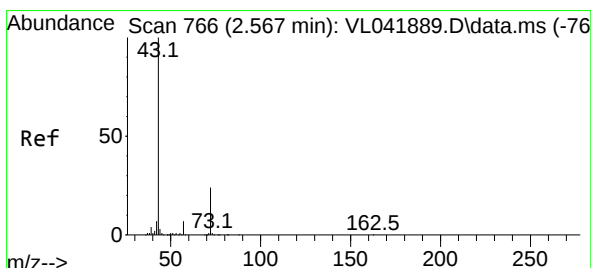
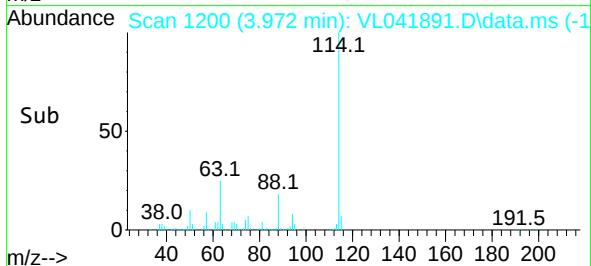
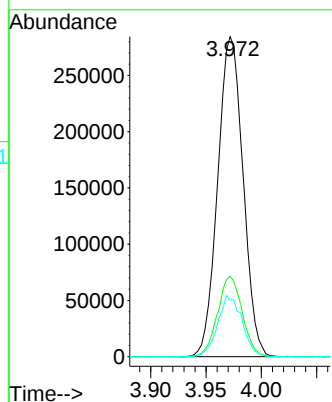
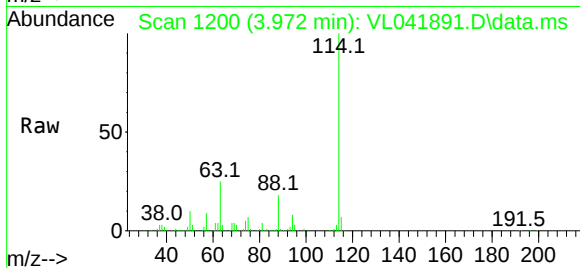
Tgt Ion:114 Resp: 453418

Ion Ratio Lower Upper

114 100

63 24.4 19.8 29.6

88 18.3 14.4 21.6



#34

2-Butanone

Concen: 1.015 ppbv

RT: 2.570 min Scan# 767

Delta R.T. 0.003 min

Lab File: VL041891.D

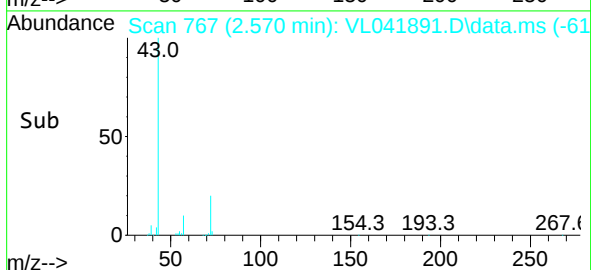
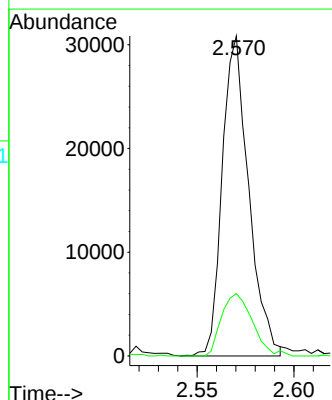
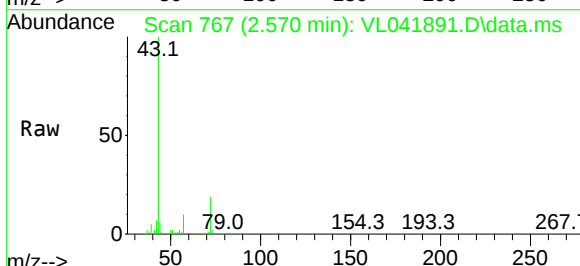
Acq: 14 Jan 2025 13:59

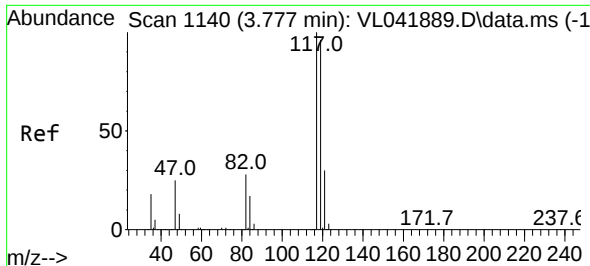
Tgt Ion: 43 Resp: 29280

Ion Ratio Lower Upper

43 100

72 22.8 18.6 28.0

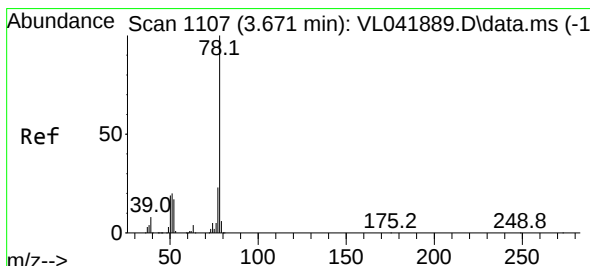
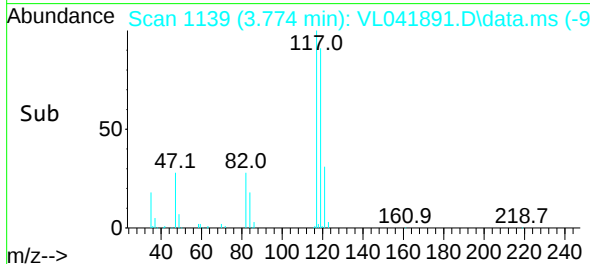
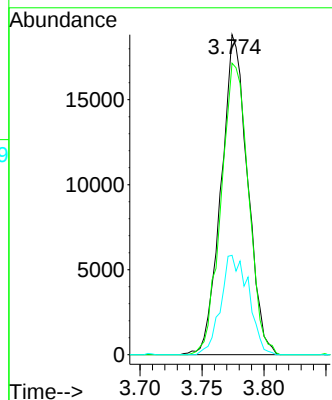
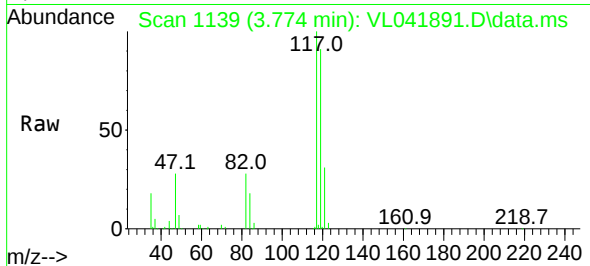




#35
Carbon Tetrachloride
Concen: 0.979 ppbv
RT: 3.774 min Scan# 1140
Delta R.T. -0.003 min
Lab File: VL041891.D
Acq: 14 Jan 2025 13:59

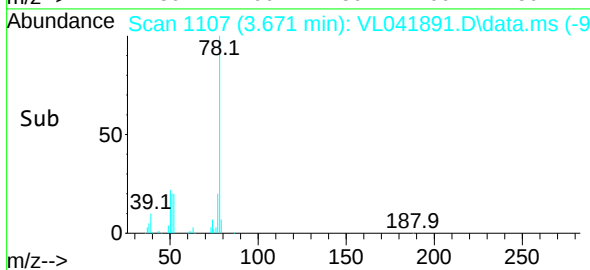
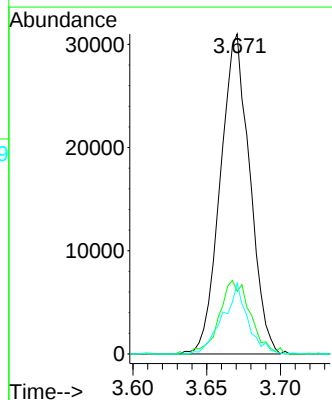
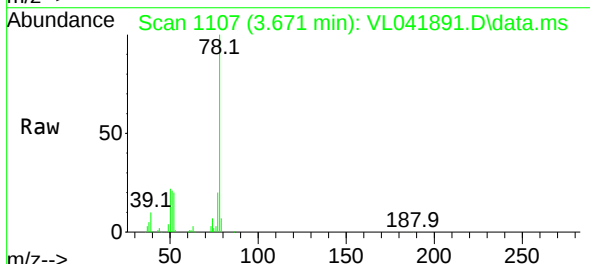
Instrument :
MSVOA_L
ClientSampleId :

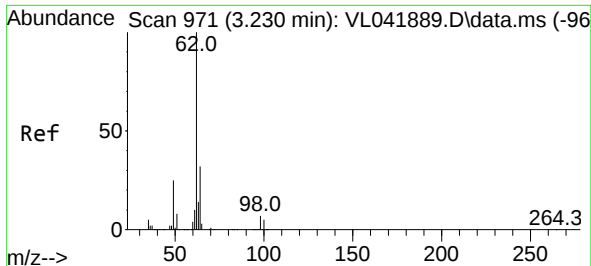
Tgt Ion:117 Resp: 27946
Ion Ratio Lower Upper
117 100
119 91.1 76.9 115.3
121 31.1 23.8 35.6



#36
Benzene
Concen: 1.035 ppbv
RT: 3.671 min Scan# 1107
Delta R.T. 0.000 min
Lab File: VL041891.D
Acq: 14 Jan 2025 13:59

Tgt Ion: 78 Resp: 43023
Ion Ratio Lower Upper
78 100
77 18.8 18.1 27.1
50 22.0 15.2 22.8





#37

1,2-Dichloroethane

Concen: 1.002 ppbv

RT: 3.230 min Scan# 91

Delta R.T. 0.000 min

Lab File: VL041891.D

Acq: 14 Jan 2025 13:59

Instrument :

MSVOA_L

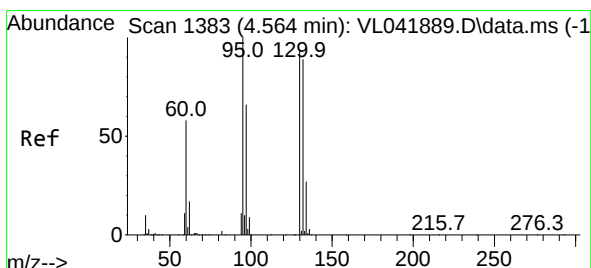
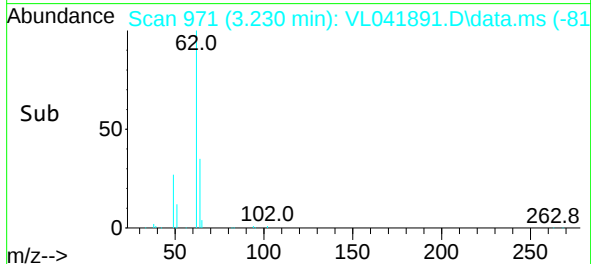
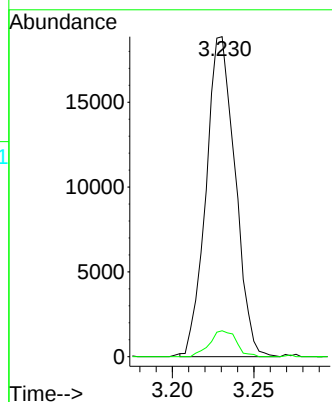
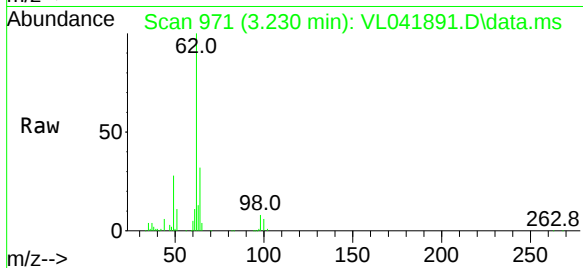
ClientSampleId :

Tgt Ion: 62 Resp: 23402

Ion Ratio Lower Upper

62 100

98 7.4 5.4 8.0



#38

Trichloroethene

Concen: 0.827 ppbv

RT: 4.564 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VL041891.D

Acq: 14 Jan 2025 13:59

Tgt Ion:130 Resp: 13656

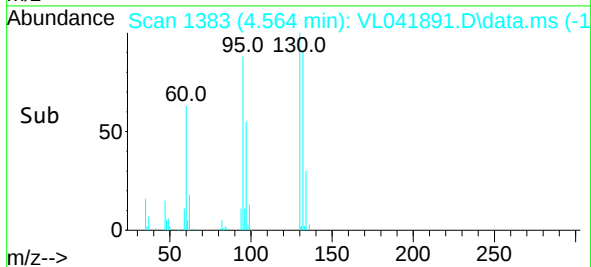
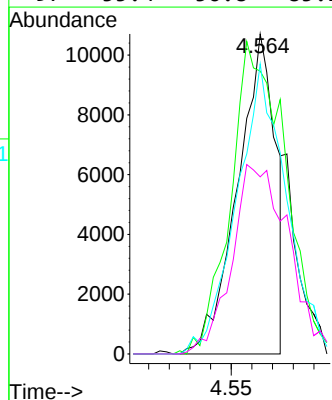
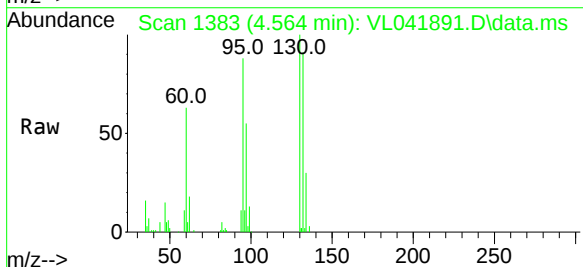
Ion Ratio Lower Upper

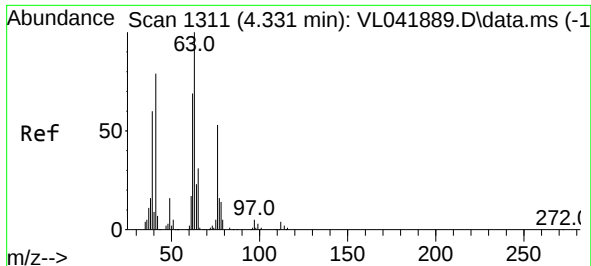
130 100

95 87.4 85.8 128.8

132 90.6 76.5 114.7

97 55.4 56.8 85.2#





#39

1,2-Dichloropropane

Concen: 0.999 ppbv

RT: 4.331 min Scan# 1311

Delta R.T. 0.000 min

Lab File: VL041891.D

Acq: 14 Jan 2025 13:59

Instrument :

MSVOA_L

ClientSampleId :

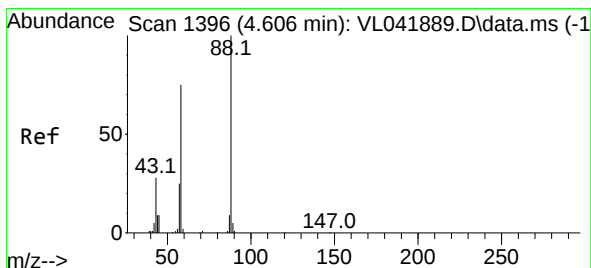
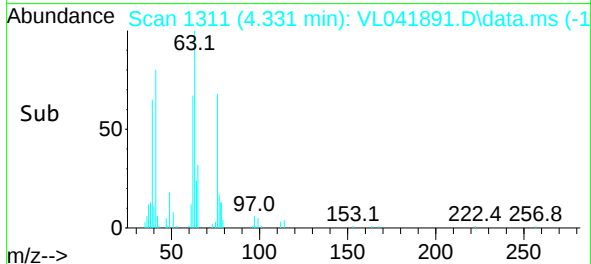
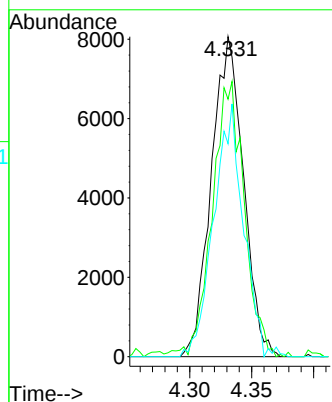
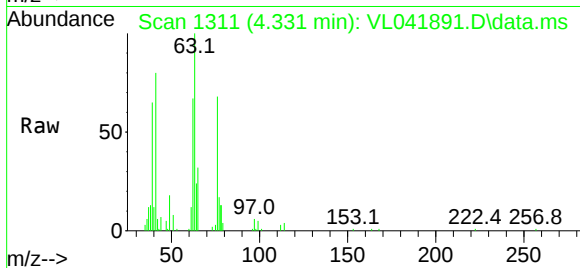
Tgt Ion: 63 Resp: 14570

Ion Ratio Lower Upper

63 100

41 79.7 63.7 95.5

62 66.6 55.4 83.2



#40

1,4-Dioxane

Concen: 0.418 ppbv

RT: 4.613 min Scan# 1398

Delta R.T. 0.007 min

Lab File: VL041891.D

Acq: 14 Jan 2025 13:59

Tgt Ion: 88 Resp: 3074

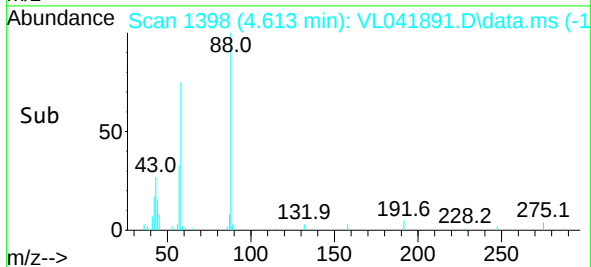
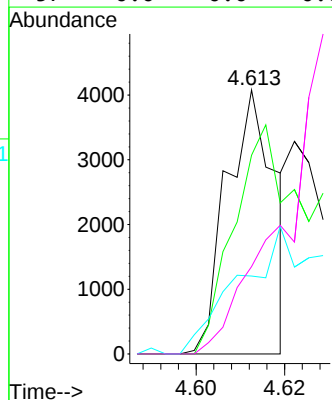
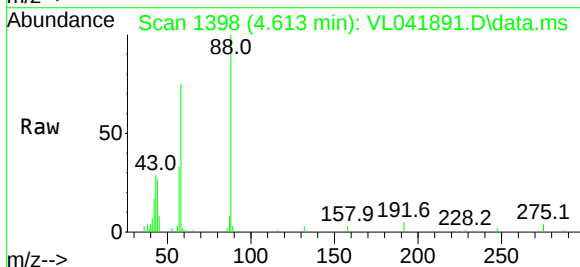
Ion Ratio Lower Upper

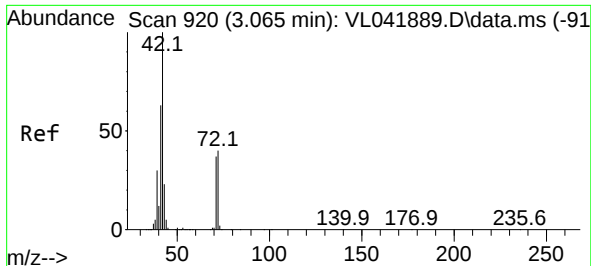
88 100

58 284.6 62.1 93.1#

43 0.0 0.0 0.0

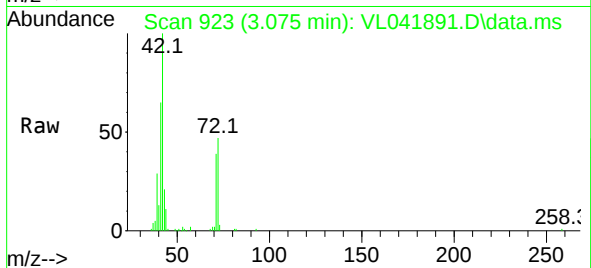
57 0.0 0.0 0.0



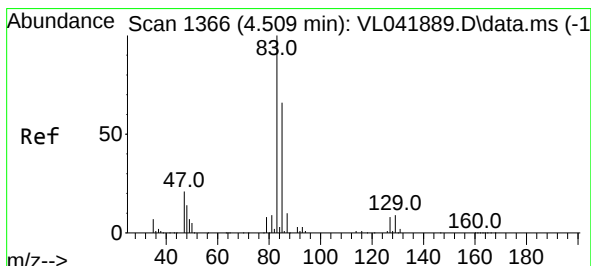
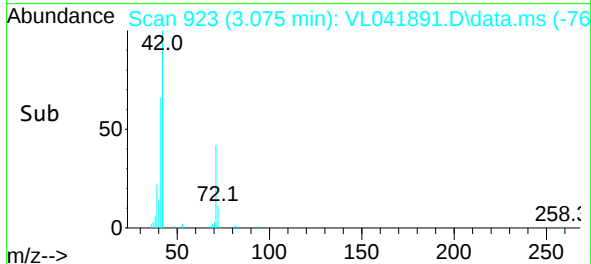
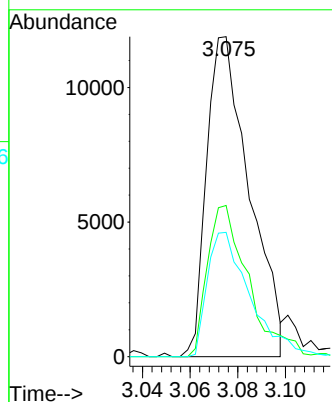


#41
Tetrahydrofuran
Concen: 0.943 ppbv
RT: 3.075 min Scan# 91
Delta R.T. 0.010 min
Lab File: VL041891.D
Acq: 14 Jan 2025 13:59

Instrument :
MSVOA_L
ClientSampleId :

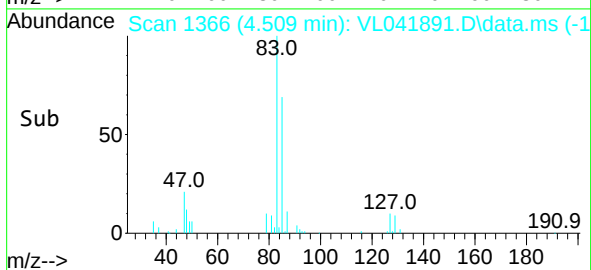
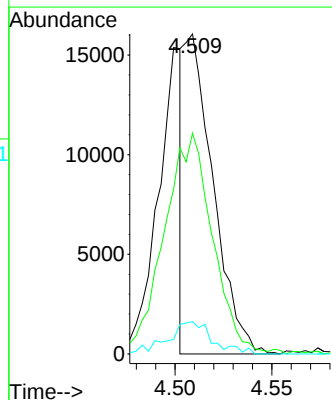
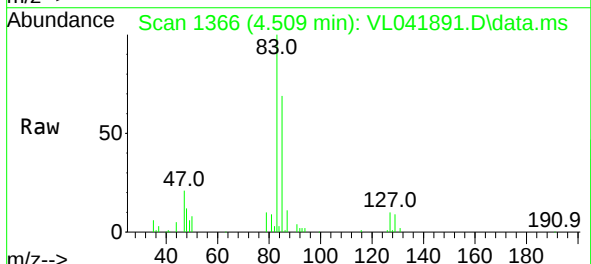


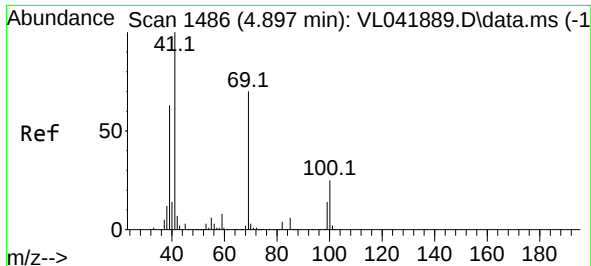
Tgt Ion: 42 Resp: 14830
Ion Ratio Lower Upper
42 100
72 45.4 32.3 48.5
71 39.2 29.9 44.9



#42
Bromodichloromethane
Concen: 0.533 ppbv
RT: 4.509 min Scan# 1366
Delta R.T. 0.000 min
Lab File: VL041891.D
Acq: 14 Jan 2025 13:59

Tgt Ion: 83 Resp: 16699
Ion Ratio Lower Upper
83 100
85 67.8 52.6 78.8
127 10.1 6.4 9.6#

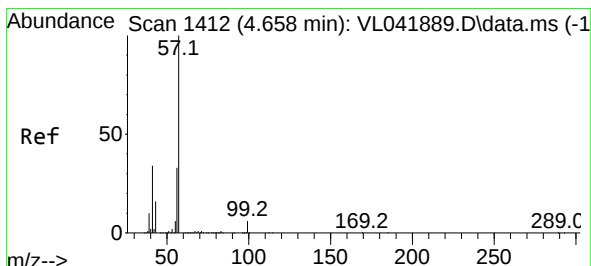
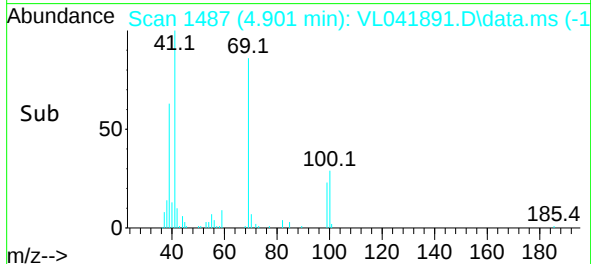
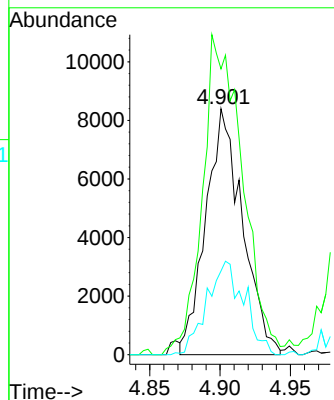
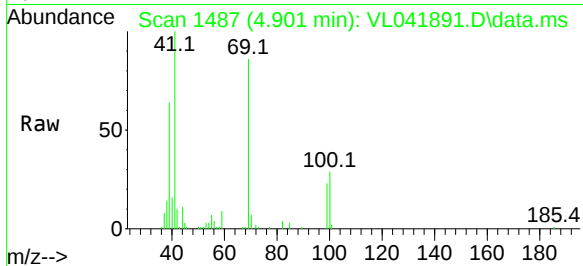




#43
Methyl Methacrylate
Concen: 0.985 ppbv
RT: 4.901 min Scan# 1487
Delta R.T. 0.003 min
Lab File: VL041891.D
Acq: 14 Jan 2025 13:59

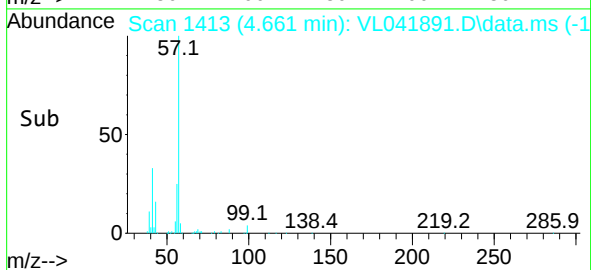
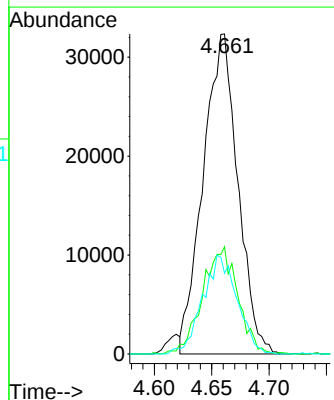
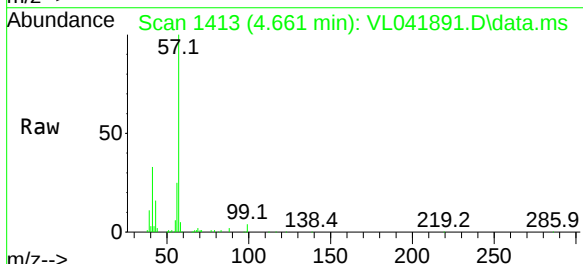
Instrument :
MSVOA_L
ClientSampleId :

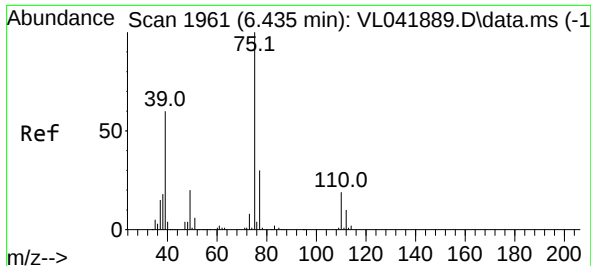
Tgt Ion: 69 Resp: 15222
Ion Ratio Lower Upper
69 100
41 141.9 118.6 177.8
100 38.5 29.3 43.9



#44
2,2,4-Trimethylpentane
Concen: 1.012 ppbv
RT: 4.661 min Scan# 1413
Delta R.T. 0.003 min
Lab File: VL041891.D
Acq: 14 Jan 2025 13:59

Tgt Ion: 57 Resp: 68050
Ion Ratio Lower Upper
57 100
41 34.1 26.6 40.0
56 30.7 25.4 38.2

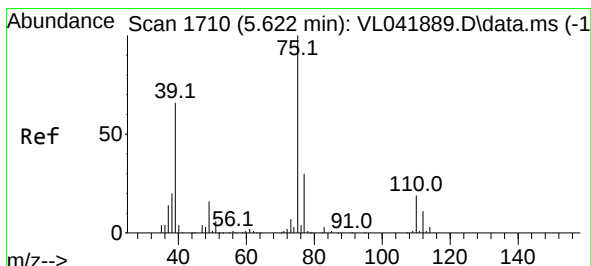
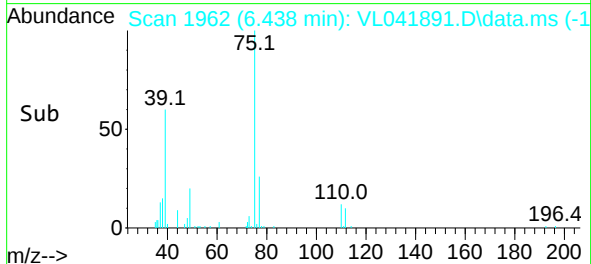
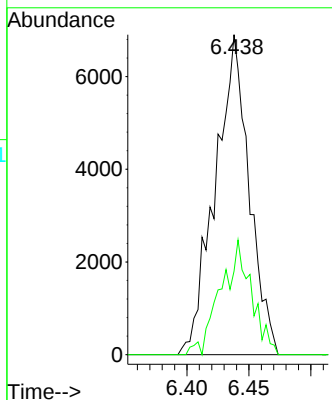
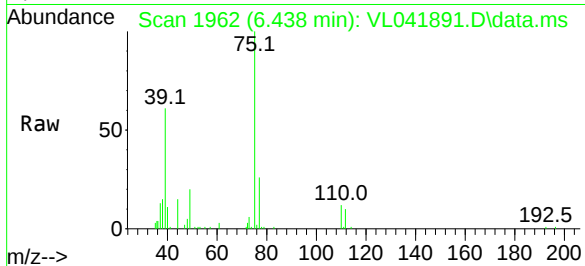




#45
 t-1,3-Dichloropropene
 Concen: 0.914 ppbv
 RT: 6.438 min Scan# 1961
 Delta R.T. 0.003 min
 Lab File: VL041891.D
 Acq: 14 Jan 2025 13:59

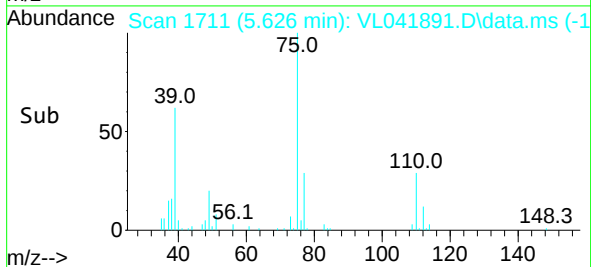
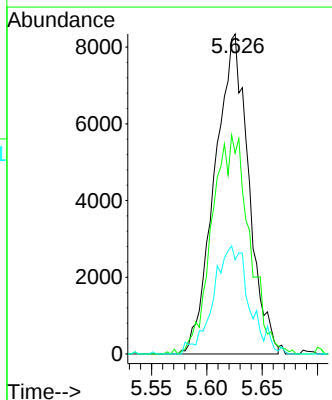
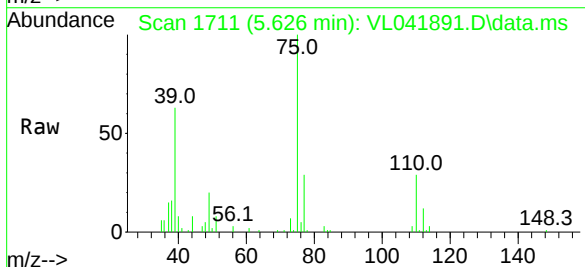
Instrument :
 MSVOA_L
 ClientSampleId :

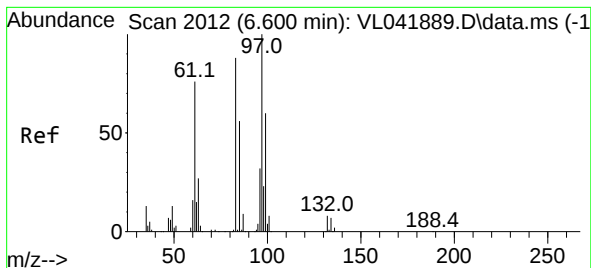
Tgt Ion: 75 Resp: 13220
 Ion Ratio Lower Upper
 75 100
 77 26.1 24.3 36.5



#46
 cis-1,3-Dichloropropene
 Concen: 0.935 ppbv
 RT: 5.626 min Scan# 1711
 Delta R.T. 0.003 min
 Lab File: VL041891.D
 Acq: 14 Jan 2025 13:59

Tgt Ion: 75 Resp: 17749
 Ion Ratio Lower Upper
 75 100
 39 62.8 53.1 79.7
 77 29.4 23.8 35.8





#47

1,1,2-Trichloroethane

Concen: 0.626 ppbv

RT: 6.603 min Scan# 2012

Delta R.T. 0.003 min

Lab File: VL041891.D

Acq: 14 Jan 2025 13:59

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 97 Resp: 9684

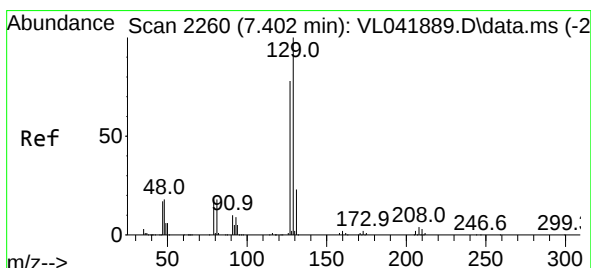
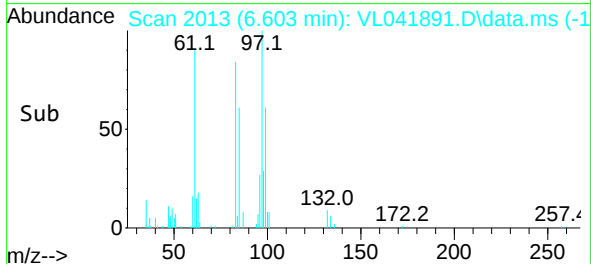
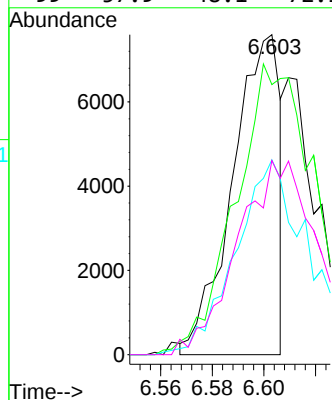
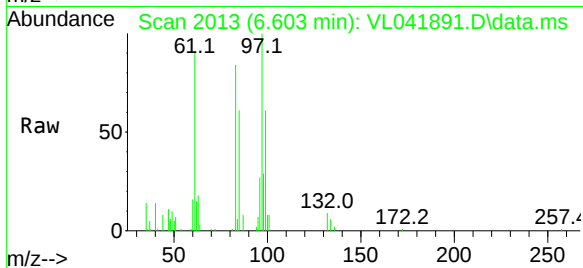
Ion Ratio Lower Upper

97 100

83 83.1 70.4 105.6

85 61.1 45.0 67.4

99 57.9 48.1 72.1



#48

Dibromochloromethane

Concen: 0.929 ppbv

RT: 7.402 min Scan# 2260

Delta R.T. 0.000 min

Lab File: VL041891.D

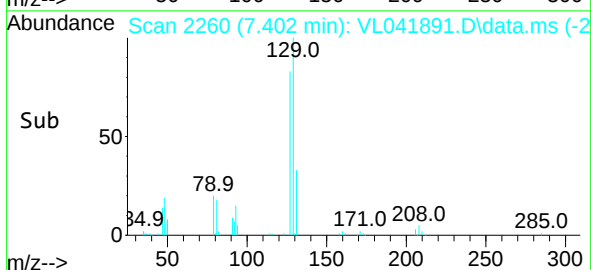
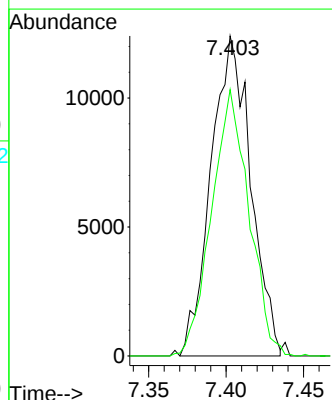
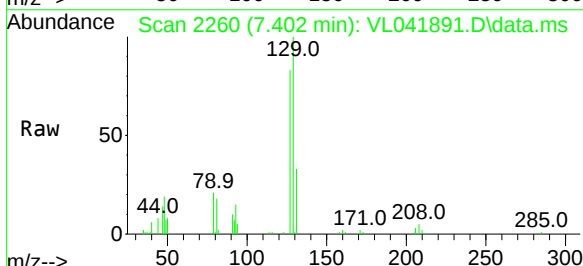
Acq: 14 Jan 2025 13:59

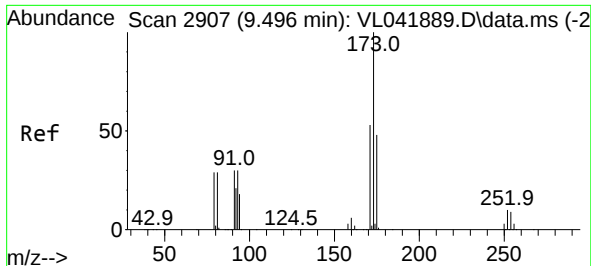
Tgt Ion: 129 Resp: 22169

Ion Ratio Lower Upper

129 100

127 78.1 39.3 117.8

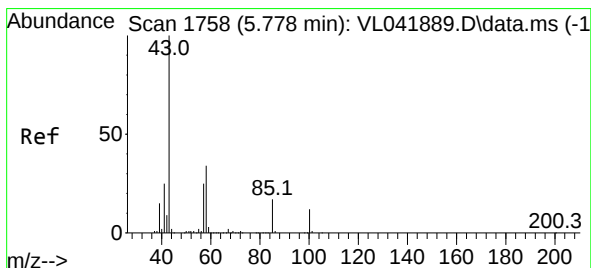
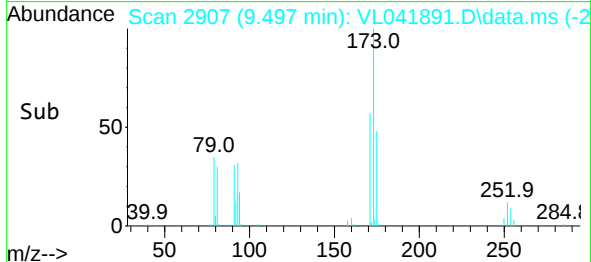
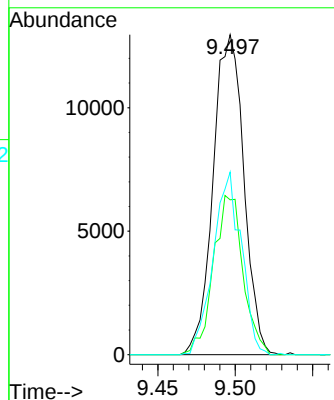
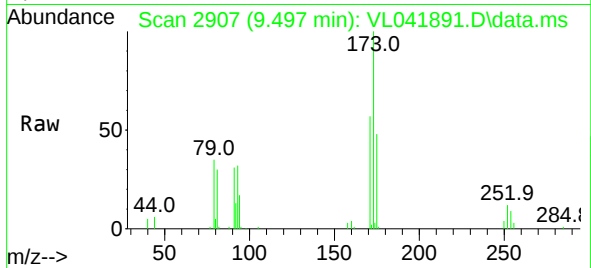




#49
Bromoform
Concen: 0.912 ppbv
RT: 9.497 min Scan# 2907
Delta R.T. 0.000 min
Lab File: VL041891.D
Acq: 14 Jan 2025 13:59

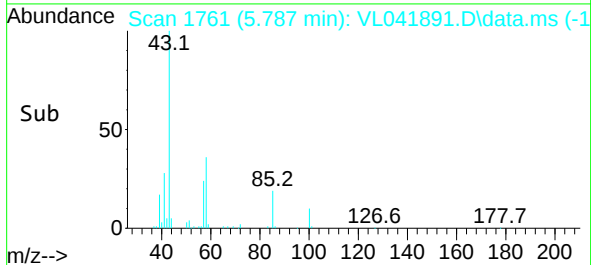
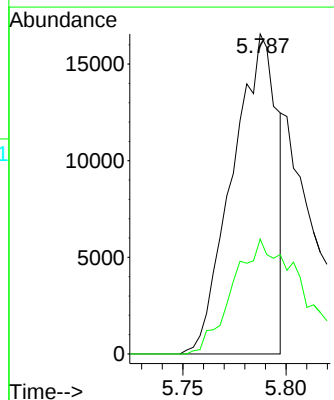
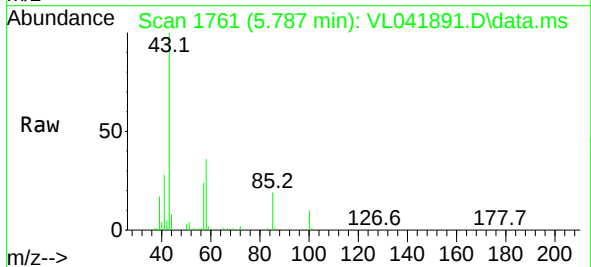
Instrument :
MSVOA_L
ClientSampleId :

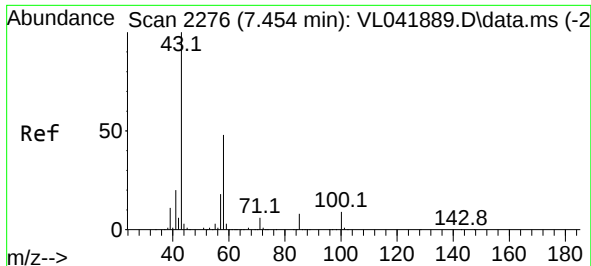
Tgt Ion:173 Resp: 17876
Ion Ratio Lower Upper
173 100
175 48.1 38.4 57.6
171 52.2 41.4 62.2



#50
4-Methyl-2-Pentanone
Concen: 0.636 ppbv
RT: 5.787 min Scan# 1761
Delta R.T. 0.010 min
Lab File: VL041891.D
Acq: 14 Jan 2025 13:59

Tgt Ion: 43 Resp: 24972
Ion Ratio Lower Upper
43 100
58 57.9 29.0 43.6#

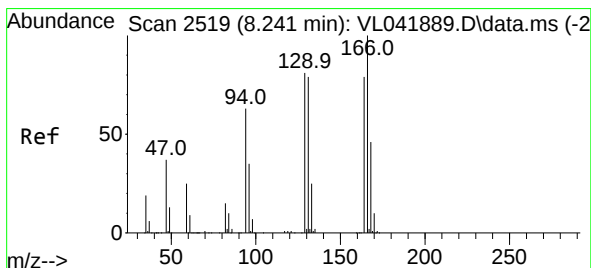
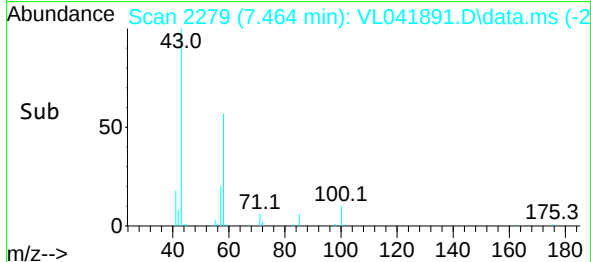
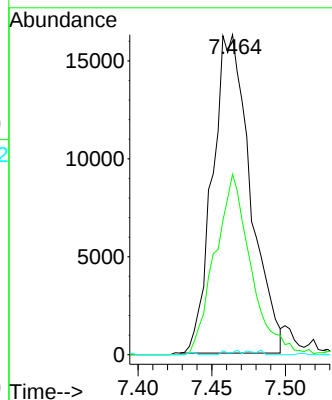
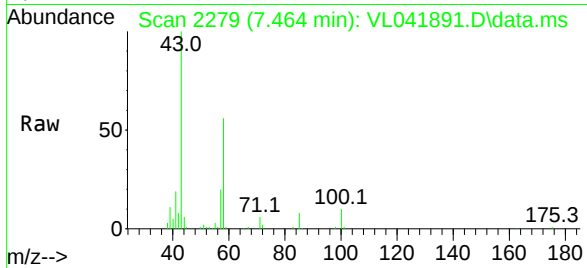




#51
2-Hexanone
Concen: 0.959 ppbv
RT: 7.464 min Scan# 2146
Delta R.T. 0.010 min
Lab File: VL041891.D
Acq: 14 Jan 2025 13:59

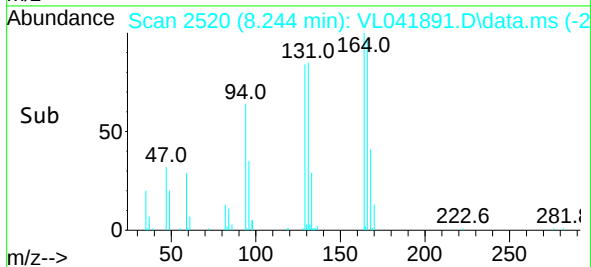
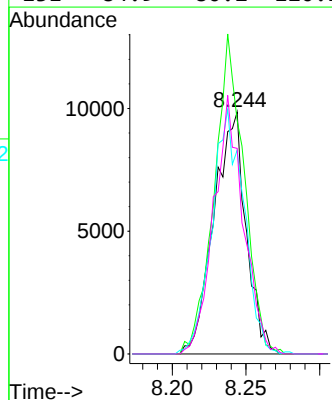
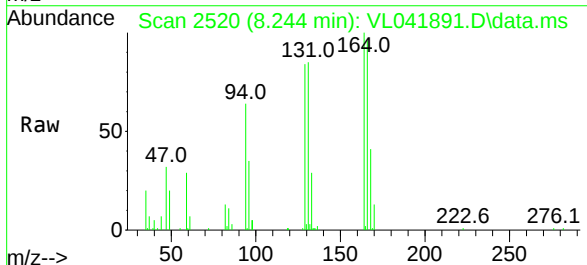
Instrument :
MSVOA_L
ClientSampleId :

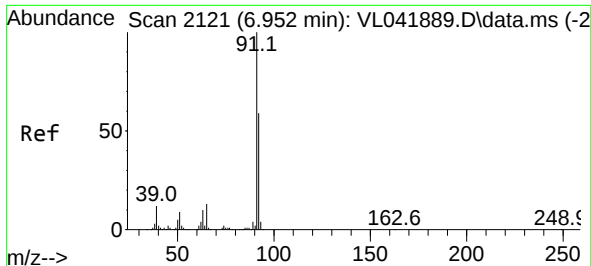
Tgt Ion: 43 Resp: 28999
Ion Ratio Lower Upper
43 100
58 53.8 40.4 60.6
98 0.9 0.2 0.2#



#52
Tetrachloroethene
Concen: 1.034 ppbv
RT: 8.244 min Scan# 2520
Delta R.T. 0.003 min
Lab File: VL041891.D
Acq: 14 Jan 2025 13:59

Tgt Ion:164 Resp: 14903
Ion Ratio Lower Upper
164 100
166 96.4 100.8 151.2#
129 84.1 82.0 123.0
131 84.9 80.2 120.2

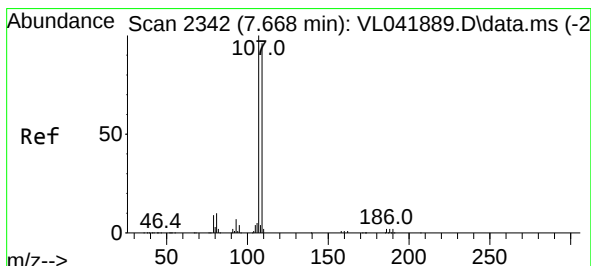
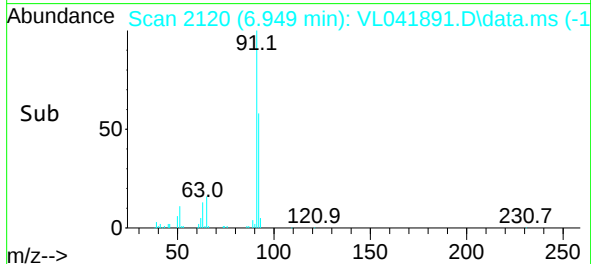
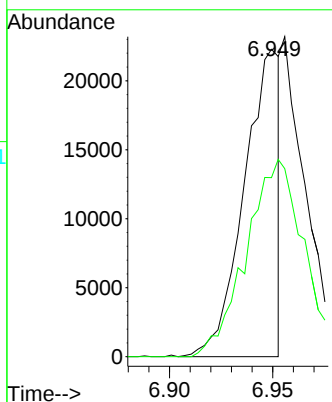
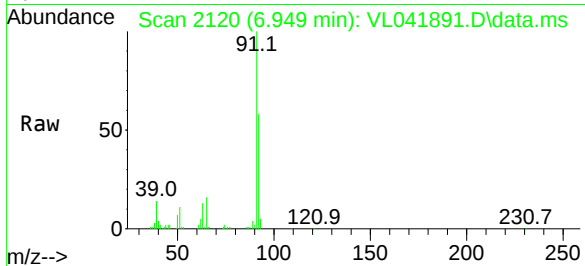




#53
Toluene
Concen: 0.586 ppbv
RT: 6.949 min Scan# 2121
Delta R.T. -0.003 min
Lab File: VL041891.D
Acq: 14 Jan 2025 13:59

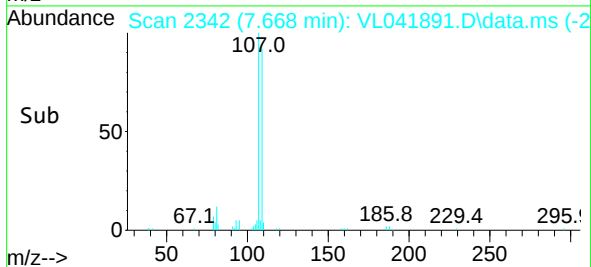
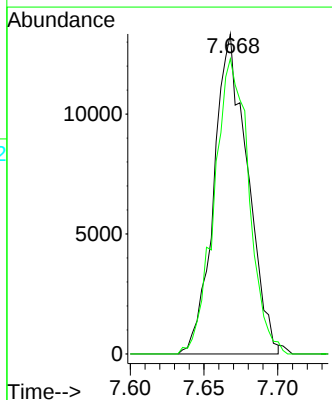
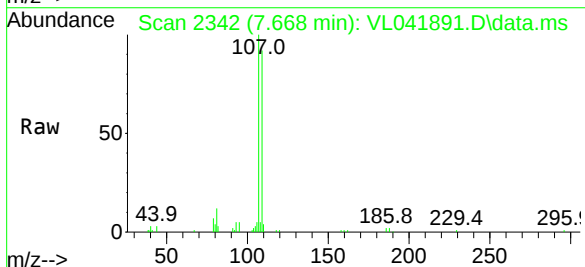
Instrument :
MSVOA_L
ClientSampleId :

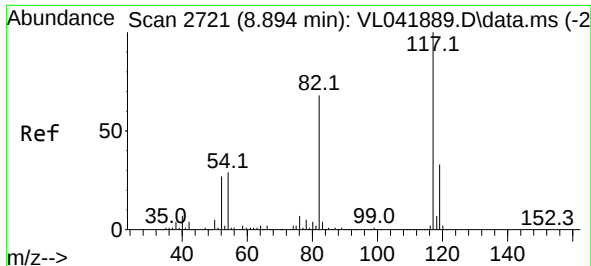
Tgt Ion: 91 Resp: 26544
Ion Ratio Lower Upper
91 100
92 0.0 47.4 71.0#



#54
1,2-Dibromoethane
Concen: 0.997 ppbv
RT: 7.668 min Scan# 2342
Delta R.T. 0.000 min
Lab File: VL041891.D
Acq: 14 Jan 2025 13:59

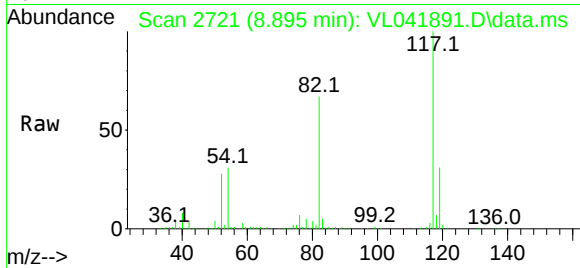
Tgt Ion: 107 Resp: 21202
Ion Ratio Lower Upper
107 100
109 92.2 76.7 115.1



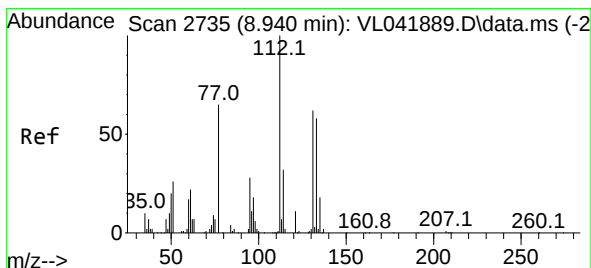
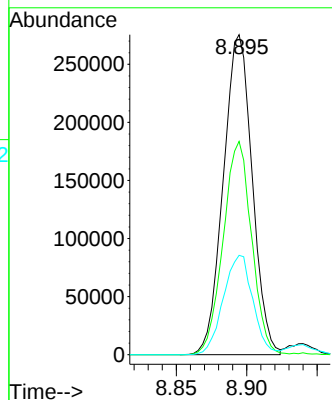
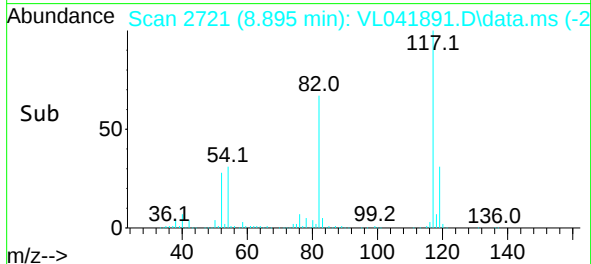


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.895 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL041891.D
Acq: 14 Jan 2025 13:59

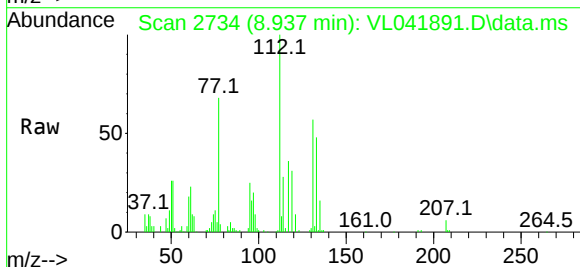
Instrument :
MSVOA_L
ClientSampleId :



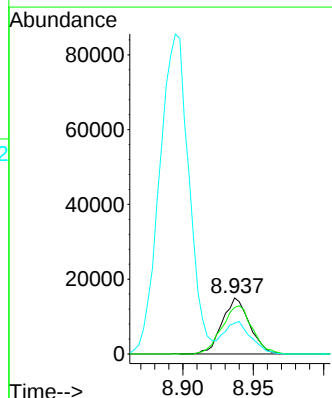
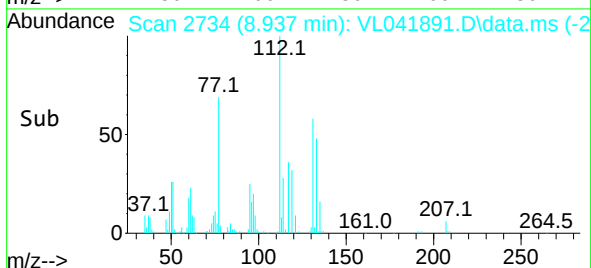
Tgt Ion:117 Resp: 393836
Ion Ratio Lower Upper
117 100
82 65.9 54.2 81.4
119 32.3 25.0 37.6

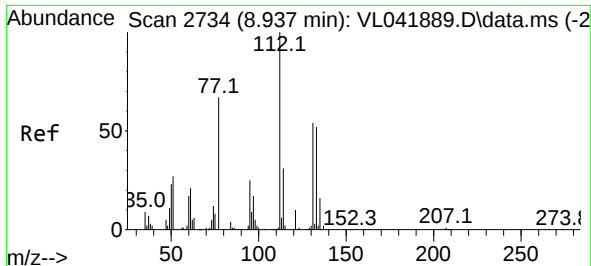


#56
1,1,1,2-Tetrachloroethane
Concen: 1.031 ppbv
RT: 8.937 min Scan# 2734
Delta R.T. -0.003 min
Lab File: VL041891.D
Acq: 14 Jan 2025 13:59



Tgt Ion:131 Resp: 20255
Ion Ratio Lower Upper
131 100
133 95.1 76.0 114.0
119 51.0 49.7 74.5





#57

Chlorobenzene

Concen: 1.050 ppbv

RT: 8.933 min Scan# 21

Delta R.T. -0.003 min

Lab File: VL041891.D

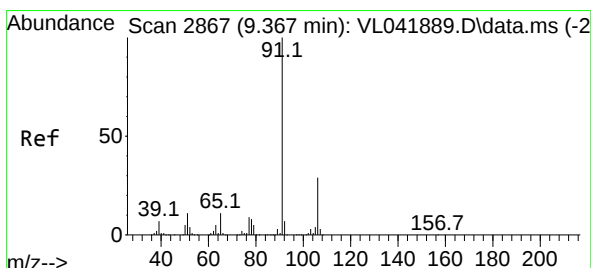
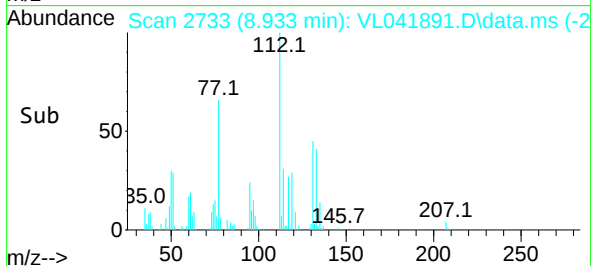
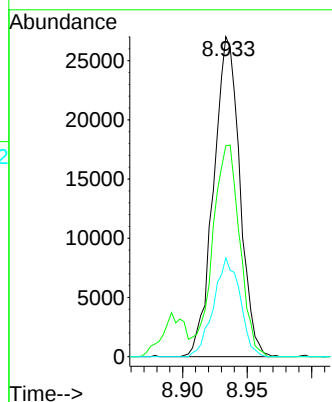
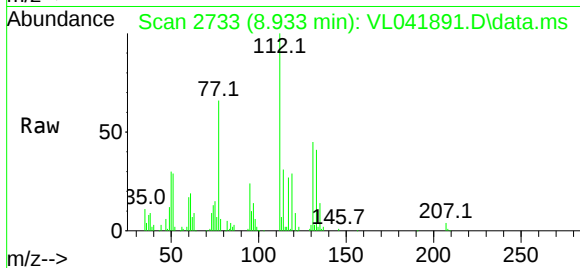
Acq: 14 Jan 2025 13:59

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:	112	Resp:	38141
Ion	Ratio	Lower	Upper
112	100		
77	65.9	54.6	82.0
114	30.9	28.2	34.4



#58

Ethyl Benzene

Concen: 1.000 ppbv

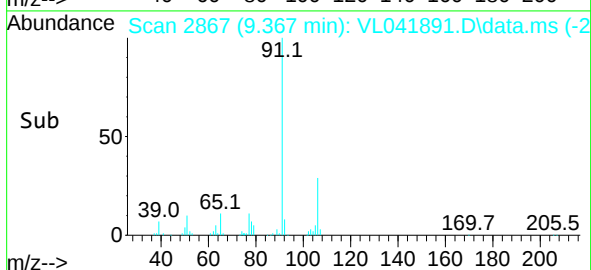
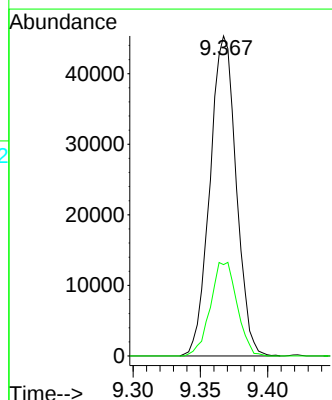
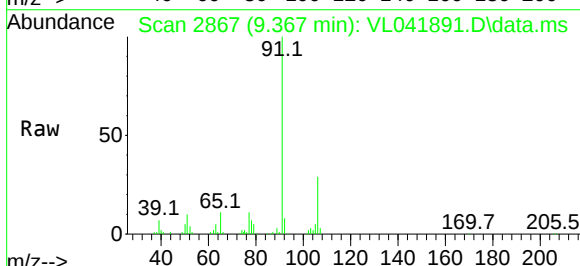
RT: 9.367 min Scan# 2867

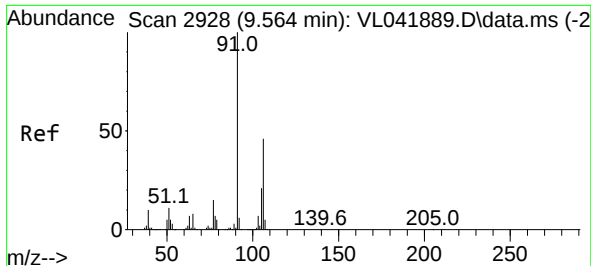
Delta R.T. 0.000 min

Lab File: VL041891.D

Acq: 14 Jan 2025 13:59

Tgt Ion:	91	Resp:	61537
Ion	Ratio	Lower	Upper
91	100		
106	28.5	23.1	34.7





#59

m/p-Xylene

Concen: 1.021 ppbv

RT: 9.561 min Scan# 29

Delta R.T. -0.003 min

Lab File: VL041891.D

Acq: 14 Jan 2025 13:59

Instrument :

MSVOA_L

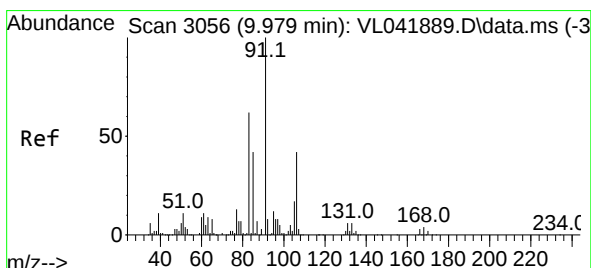
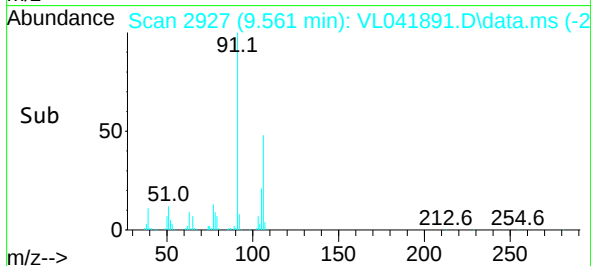
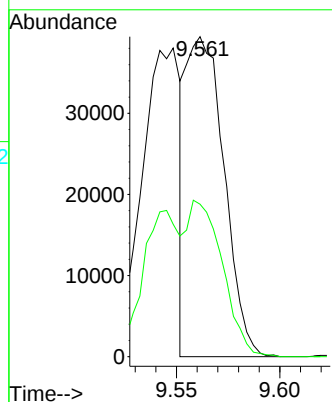
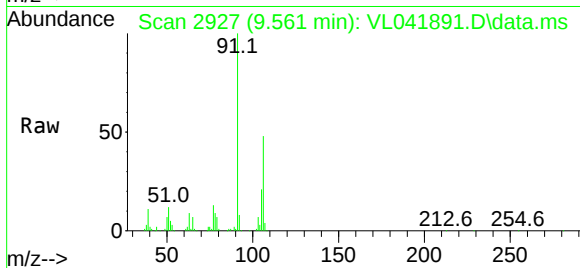
ClientSampleId :

Tgt Ion: 91 Resp: 50463

Ion Ratio Lower Upper

91 100

106 90.7 36.0 54.0#



#60

o-Xylene

Concen: 0.998 ppbv

RT: 9.972 min Scan# 3054

Delta R.T. -0.006 min

Lab File: VL041891.D

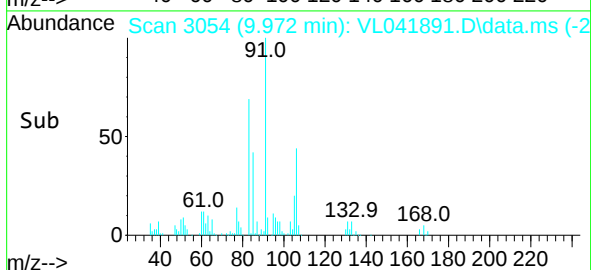
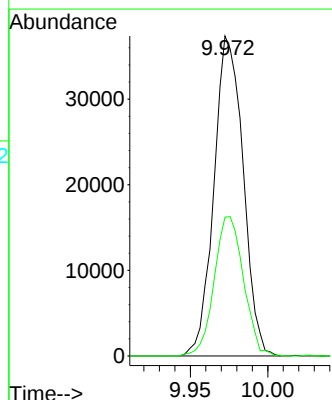
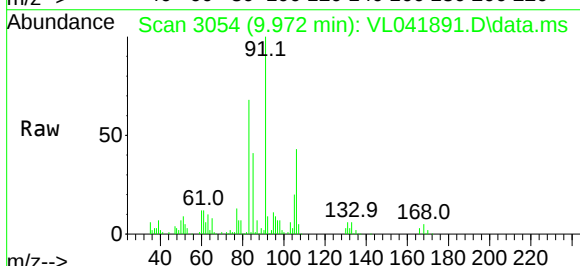
Acq: 14 Jan 2025 13:59

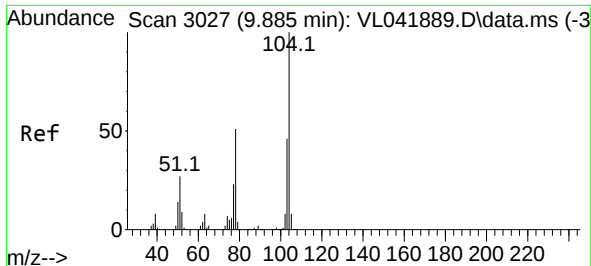
Tgt Ion: 91 Resp: 48888

Ion Ratio Lower Upper

91 100

106 43.8 21.3 63.9





#61

Styrene

Concen: 0.923 ppbv

RT: 9.882 min Scan# 3027

Delta R.T. -0.003 min

Lab File: VL041891.D

Acq: 14 Jan 2025 13:59

Instrument :

MSVOA_L

ClientSampleId :

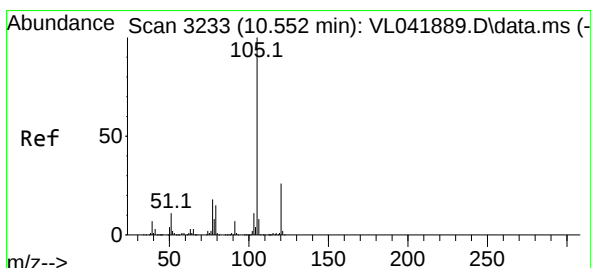
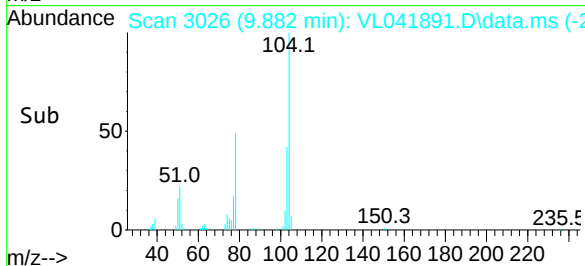
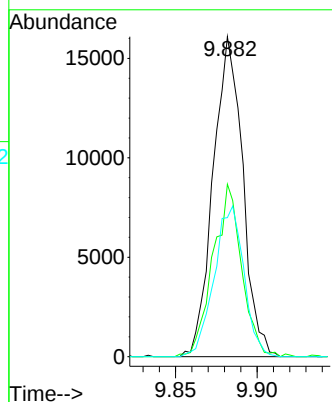
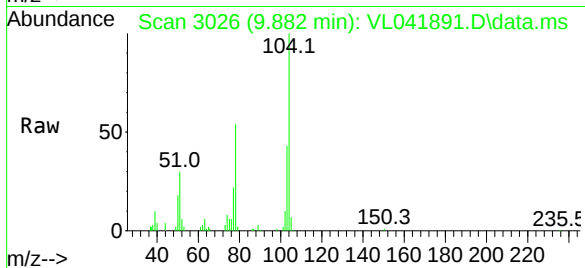
Tgt Ion:104 Resp: 20285

Ion Ratio Lower Upper

104 100

78 52.3 41.0 61.6

103 47.4 37.2 55.8



#62

Isopropylbenzene

Concen: 1.000 ppbv

RT: 10.549 min Scan# 3232

Delta R.T. -0.003 min

Lab File: VL041891.D

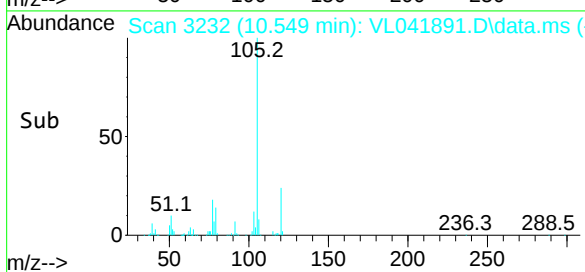
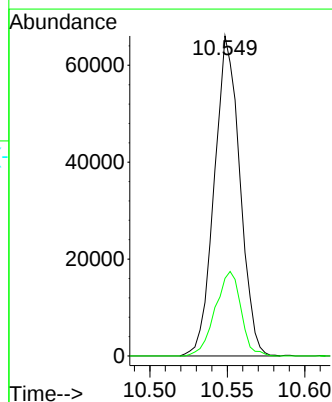
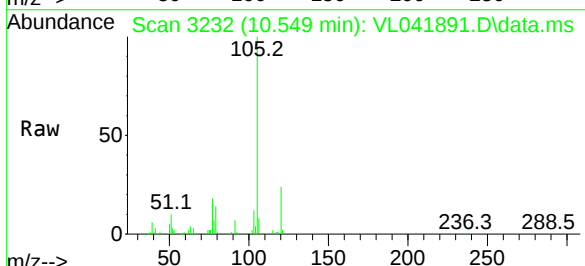
Acq: 14 Jan 2025 13:59

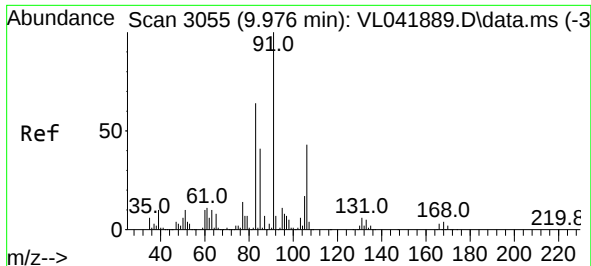
Tgt Ion:105 Resp: 75801

Ion Ratio Lower Upper

105 100

120 26.6 20.3 30.5





#63

1,1,2,2-Tetrachloroethane

Concen: 1.080 ppbv

RT: 9.972 min Scan# 3055

Delta R.T. -0.003 min

Lab File: VL041891.D

Acq: 14 Jan 2025 13:59

Instrument :

MSVOA_L

ClientSampleId :

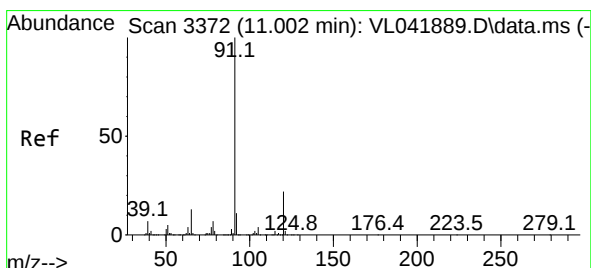
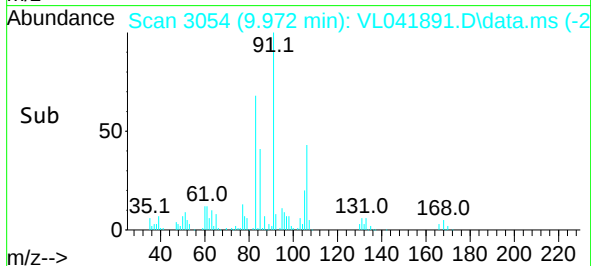
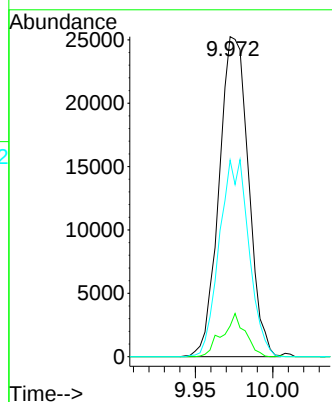
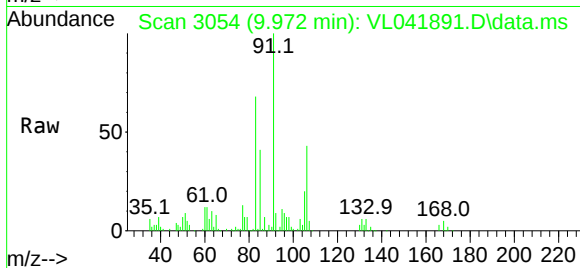
Tgt Ion: 83 Resp: 33289

Ion Ratio Lower Upper

83 100

131 10.6 4.8 14.4

85 62.0 32.4 97.2



#64

n-propylbenzene

Concen: 1.019 ppbv

RT: 11.002 min Scan# 3372

Delta R.T. 0.000 min

Lab File: VL041891.D

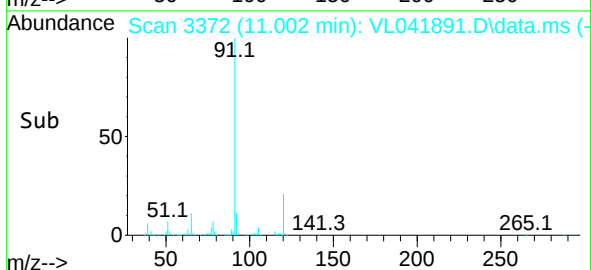
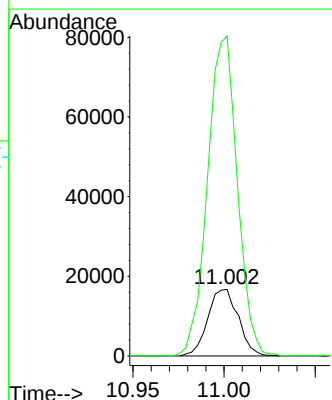
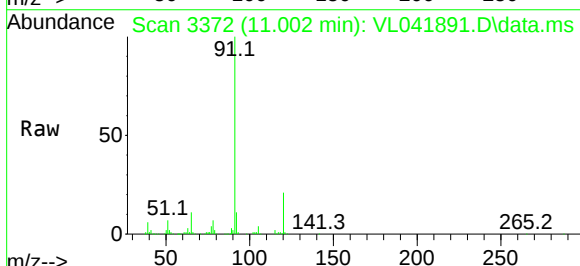
Acq: 14 Jan 2025 13:59

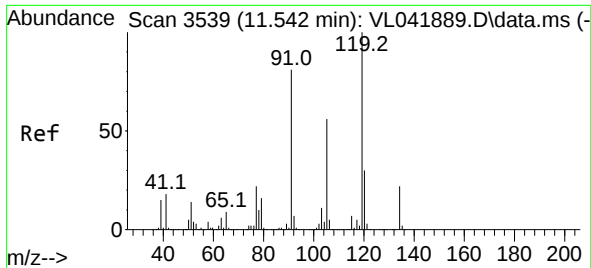
Tgt Ion: 120 Resp: 19511

Ion Ratio Lower Upper

120 100

91 470.2 374.1 561.1

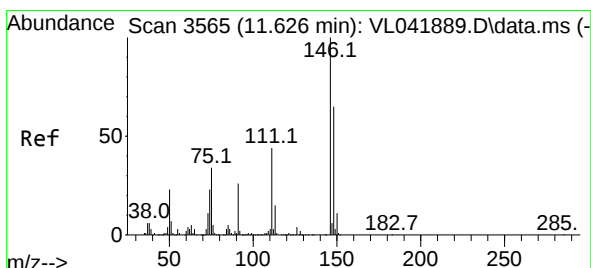
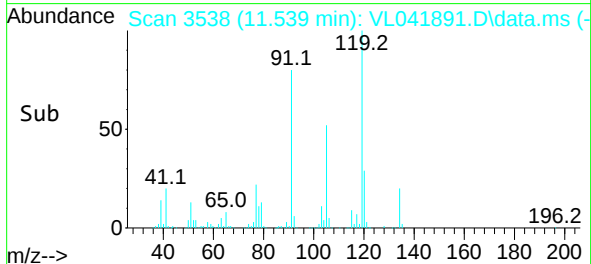
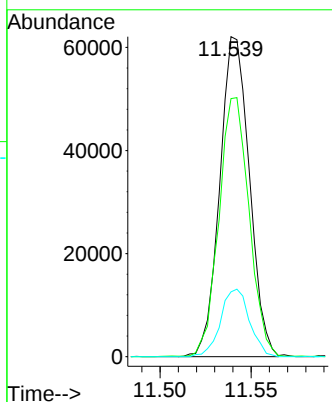
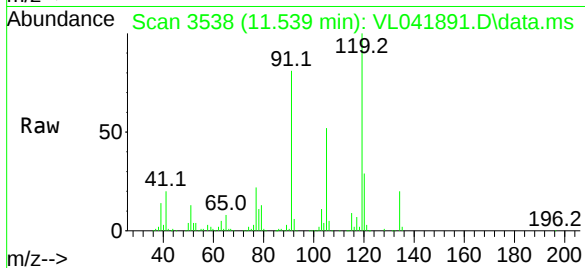




#65
tert-Butylbenzene
Concen: 1.016 ppbv
RT: 11.539 min Scan# 3538
Delta R.T. -0.003 min
Lab File: VL041891.D
Acq: 14 Jan 2025 13:59

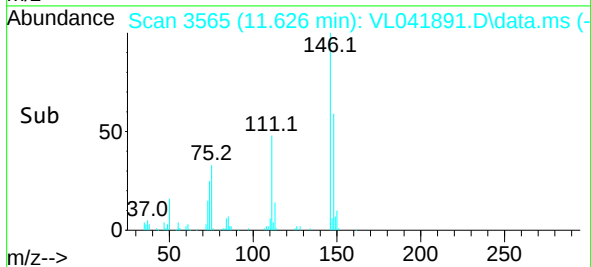
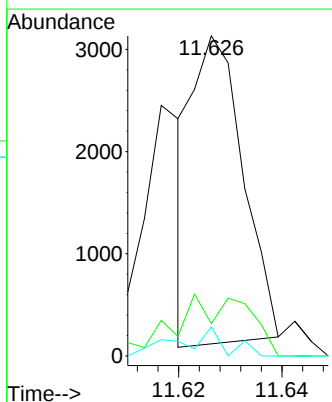
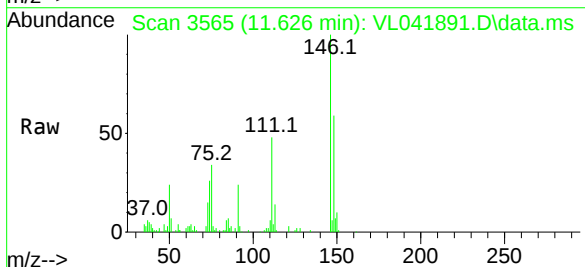
Instrument :
MSVOA_L
ClientSampleId :

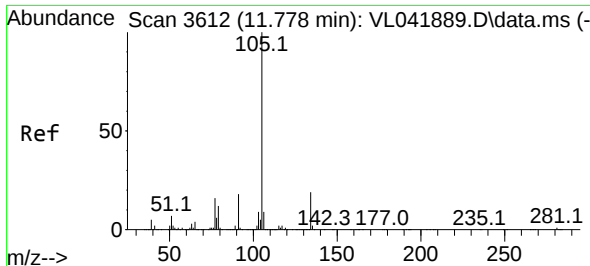
Tgt Ion:119 Resp: 70183
Ion Ratio Lower Upper
119 100
91 82.7 64.6 97.0
134 20.6 16.8 25.2



#66
Benzyl Chloride
Concen: 0.483 ppbv
RT: 11.626 min Scan# 3565
Delta R.T. 0.000 min
Lab File: VL041891.D
Acq: 14 Jan 2025 13:59

Tgt Ion: 91 Resp: 2065
Ion Ratio Lower Upper
91 100
126 30.0 14.1 21.1#
128 8.3 4.3 6.5#

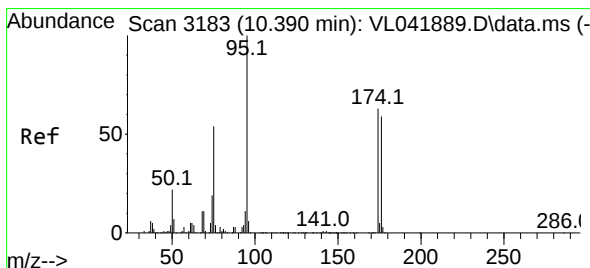
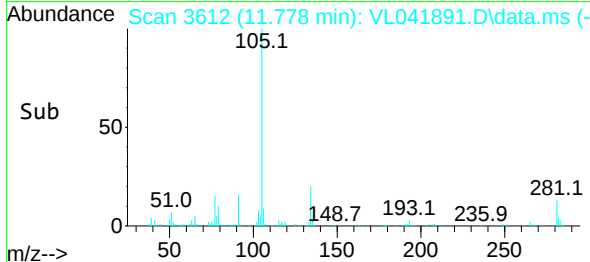
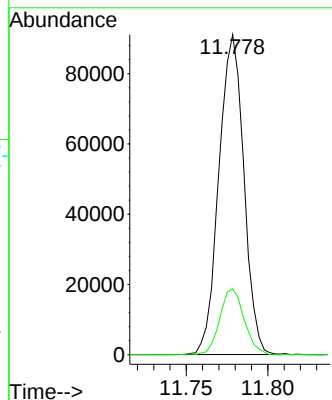
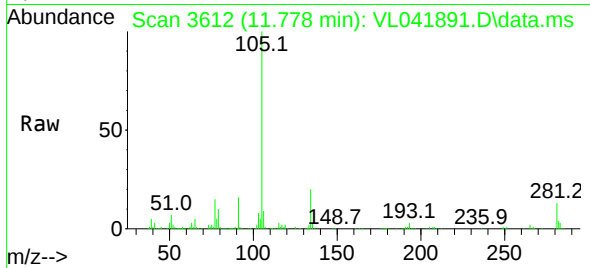




#67
 sec-Butylbenzene
 Concen: 1.018 ppbv
 RT: 11.778 min Scan# 3612
 Delta R.T. 0.000 min
 Lab File: VL041891.D
 Acq: 14 Jan 2025 13:59

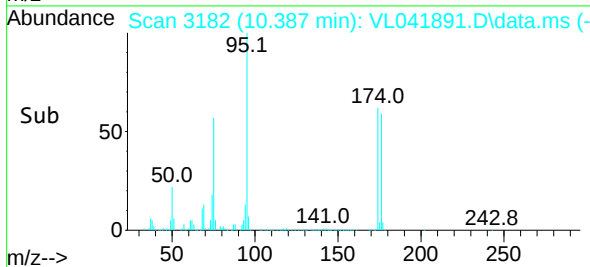
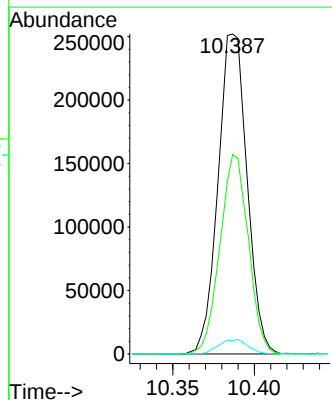
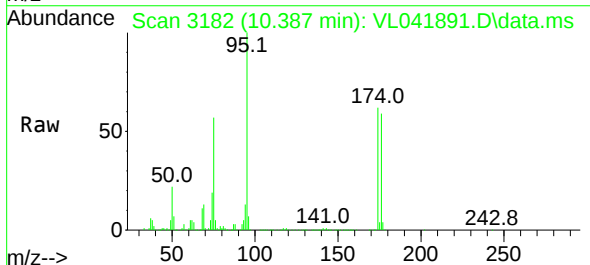
Instrument :
 MSVOA_L
 ClientSampleId :

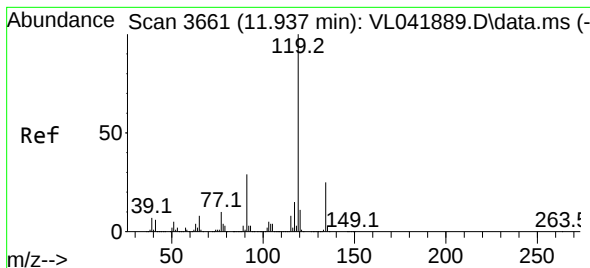
Tgt Ion:105 Resp: 96749
 Ion Ratio Lower Upper
 105 100
 134 20.2 15.1 22.7



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.058 ppbv
 RT: 10.387 min Scan# 3182
 Delta R.T. -0.003 min
 Lab File: VL041891.D
 Acq: 14 Jan 2025 13:59

Tgt Ion: 95 Resp: 312013
 Ion Ratio Lower Upper
 95 100
 174 60.9 49.0 73.4
 175 4.6 3.8 5.8





#69

p-Isopropyltoluene

Concen: 1.013 ppbv

RT: 11.937 min Scan# 3661

Delta R.T. 0.000 min

Lab File: VL041891.D

Acq: 14 Jan 2025 13:59

Instrument :

MSVOA_L

ClientSampleId :

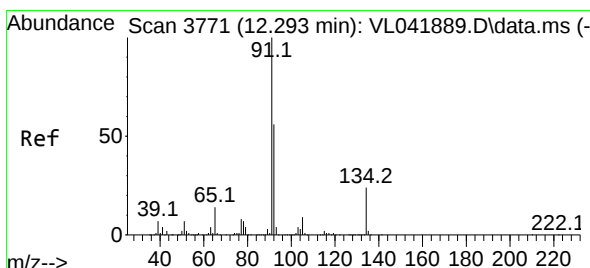
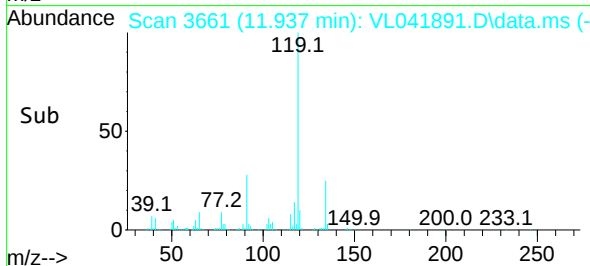
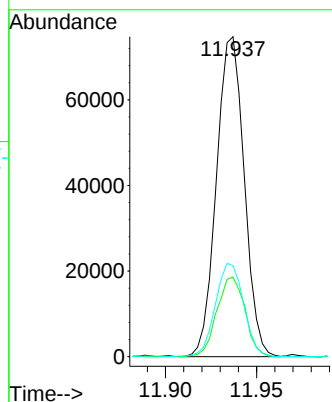
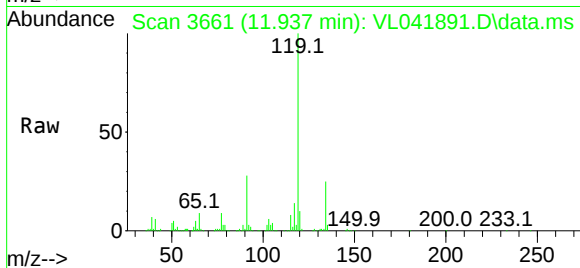
Tgt Ion:119 Resp: 79283

Ion Ratio Lower Upper

119 100

134 25.2 19.8 29.6

91 29.8 23.0 34.4



#70

n-Butylbenzene

Concen: 1.039 ppbv

RT: 12.290 min Scan# 3770

Delta R.T. -0.003 min

Lab File: VL041891.D

Acq: 14 Jan 2025 13:59

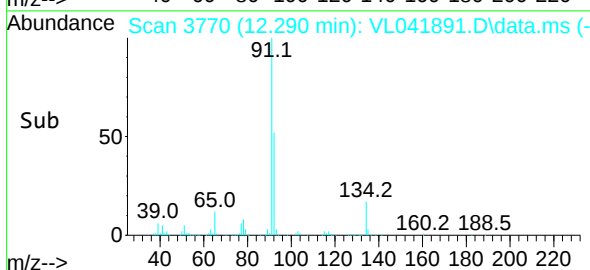
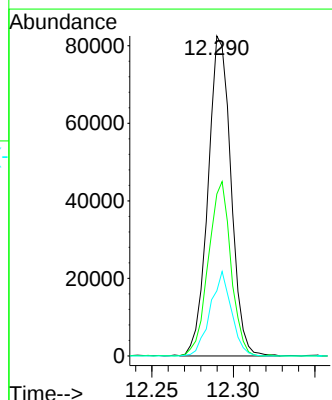
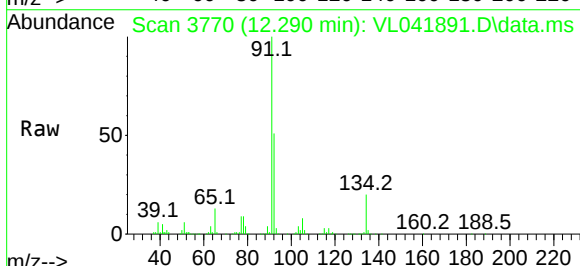
Tgt Ion: 91 Resp: 80664

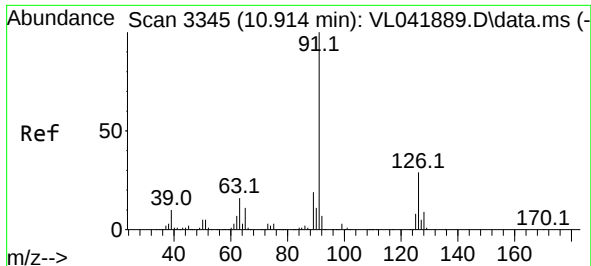
Ion Ratio Lower Upper

91 100

92 53.9 43.8 65.6

134 24.5 19.0 28.6

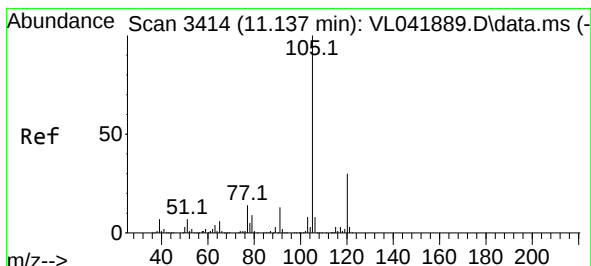
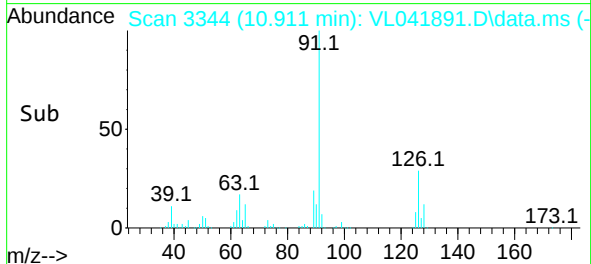
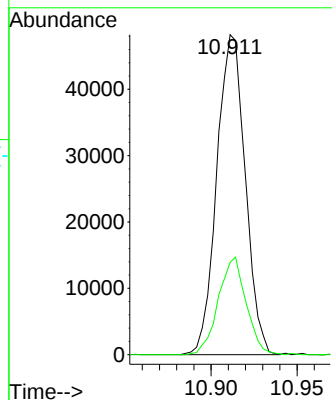
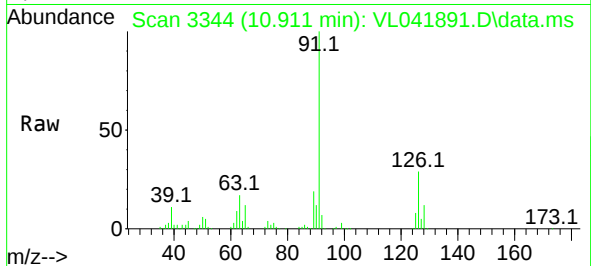




#71
2-Chlorotoluene
Concen: 0.991 ppbv
RT: 10.911 min Scan# 31
Delta R.T. -0.003 min
Lab File: VL041891.D
Acq: 14 Jan 2025 13:59

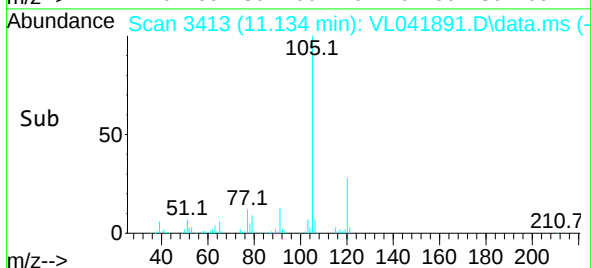
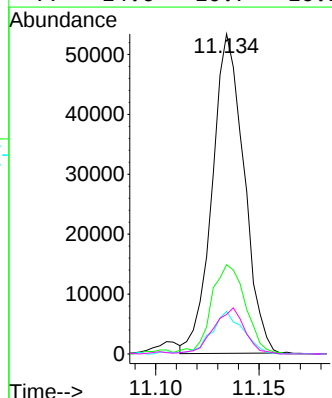
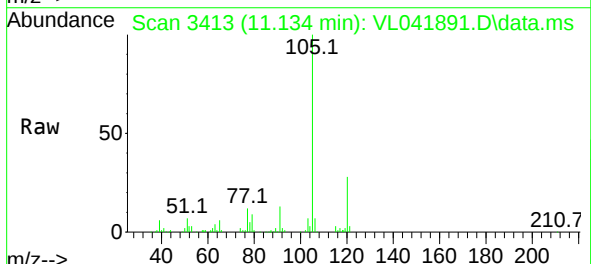
Instrument :
MSVOA_L
ClientSampleId :

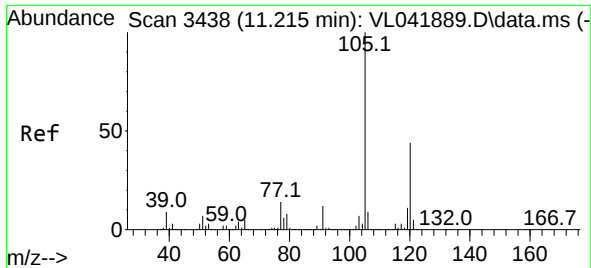
Tgt Ion: 91 Resp: 55540
Ion Ratio Lower Upper
91 100
126 29.8 11.7 46.7



#72
4-Ethyltoluene
Concen: 0.973 ppbv
RT: 11.134 min Scan# 3413
Delta R.T. -0.003 min
Lab File: VL041891.D
Acq: 14 Jan 2025 13:59

Tgt Ion: 105 Resp: 56973
Ion Ratio Lower Upper
105 100
120 31.0 23.7 35.5
91 13.6 10.2 15.2
77 14.6 10.7 16.1

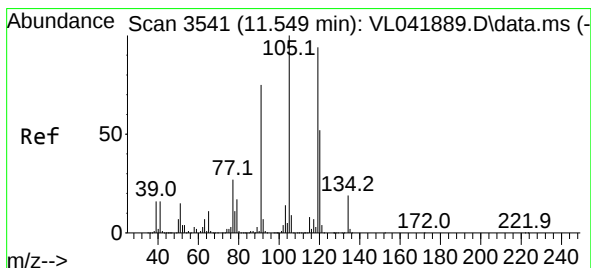
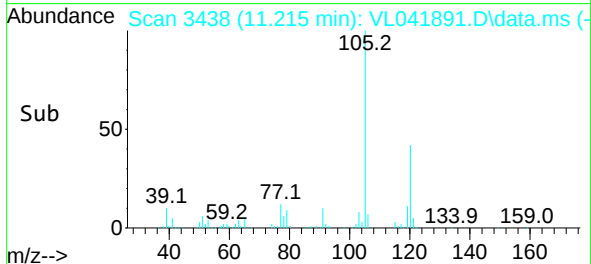
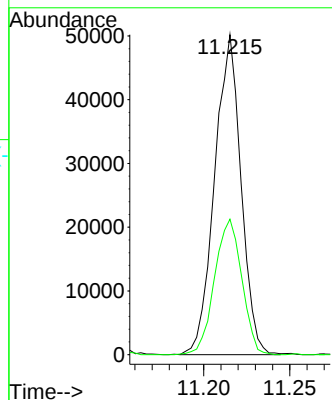
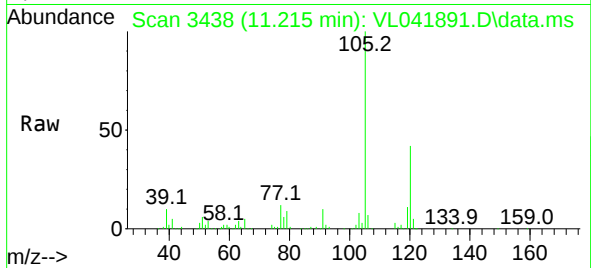




#73
1,3,5-Trimethylbenzene
Concen: 1.035 ppbv
RT: 11.215 min Scan# 3438
Delta R.T. 0.000 min
Lab File: VL041891.D
Acq: 14 Jan 2025 13:59

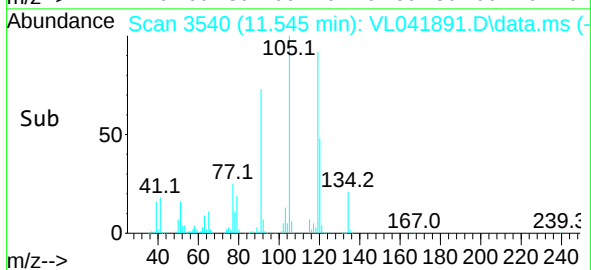
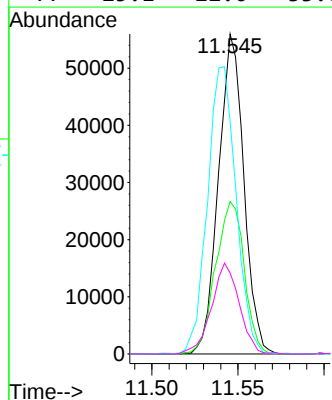
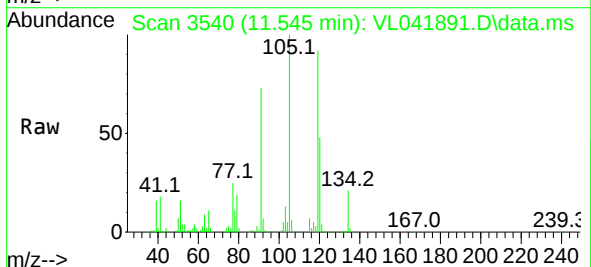
Instrument :
MSVOA_L
ClientSampleId :

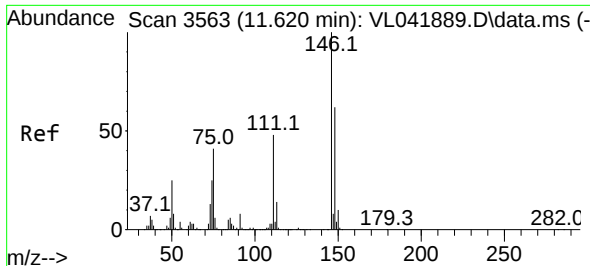
Tgt Ion:105 Resp: 53550
Ion Ratio Lower Upper
105 100
120 42.4 35.4 53.2



#74
1,2,4-Trimethylbenzene
Concen: 1.024 ppbv
RT: 11.545 min Scan# 3540
Delta R.T. -0.003 min
Lab File: VL041891.D
Acq: 14 Jan 2025 13:59

Tgt Ion:105 Resp: 57352
Ion Ratio Lower Upper
105 100
120 47.6 41.4 62.2
91 72.5 60.2 90.2
77 25.1 22.0 33.0

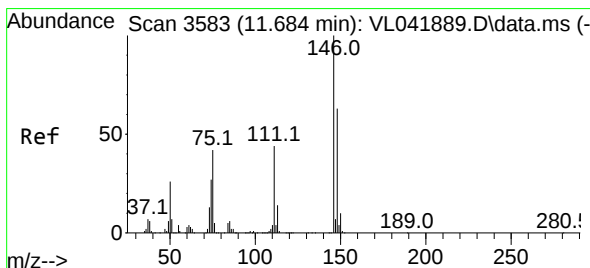
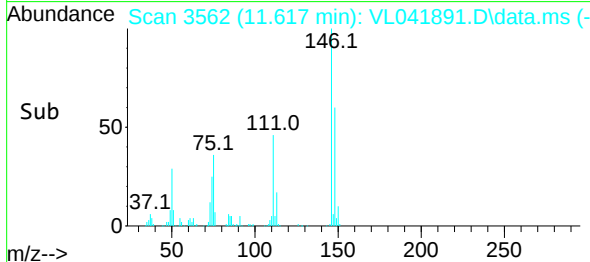
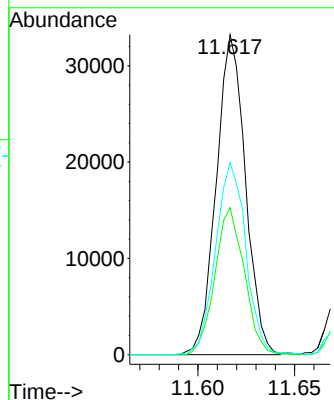
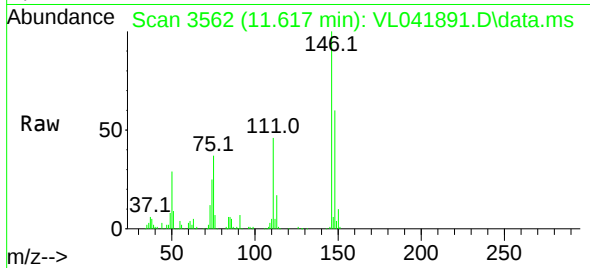




#75
1,3-Dichlorobenzene
Concen: 1.049 ppbv
RT: 11.617 min Scan# 3562
Delta R.T. -0.003 min
Lab File: VL041891.D
Acq: 14 Jan 2025 13:59

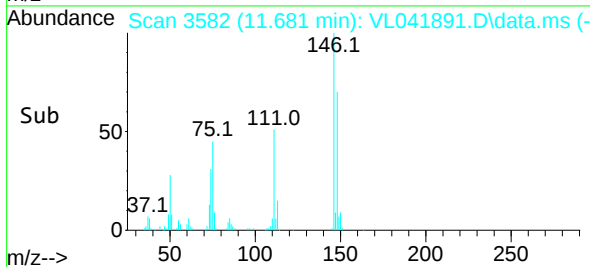
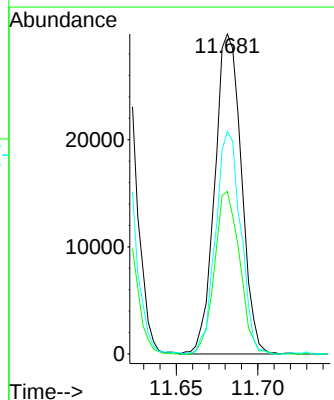
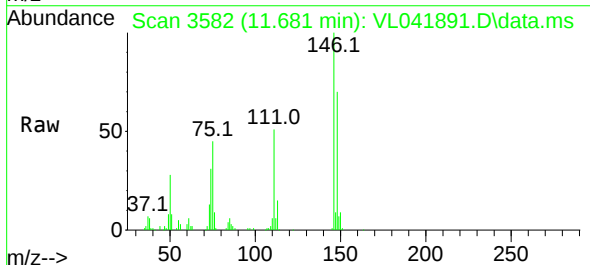
Instrument :
MSVOA_L
ClientSampleId :

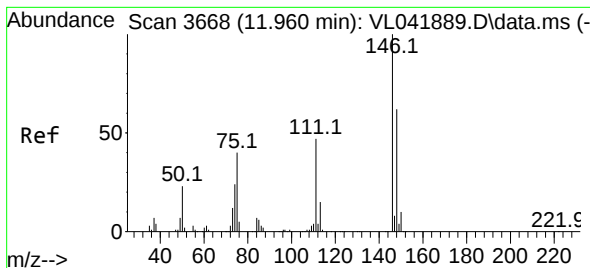
Tgt Ion:146 Resp: 34810
Ion Ratio Lower Upper
146 100
111 46.2 23.6 70.8
148 62.4 31.4 94.0



#76
1,4-Dichlorobenzene
Concen: 1.041 ppbv
RT: 11.681 min Scan# 3582
Delta R.T. -0.003 min
Lab File: VL041891.D
Acq: 14 Jan 2025 13:59

Tgt Ion:146 Resp: 33822
Ion Ratio Lower Upper
146 100
111 48.0 22.4 67.0
148 64.5 31.9 95.5





#77

1,2-Dichlorobenzene

Concen: 1.080 ppbv

RT: 11.960 min Scan# 3668

Delta R.T. 0.000 min

Lab File: VL041891.D

Acq: 14 Jan 2025 13:59

Instrument :

MSVOA_L

ClientSampleId :

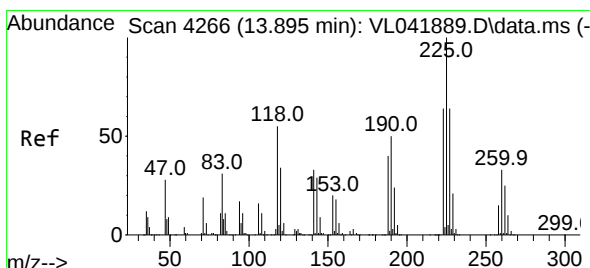
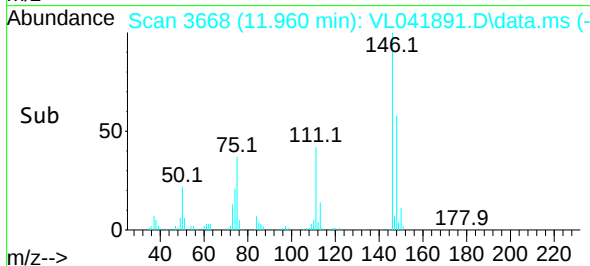
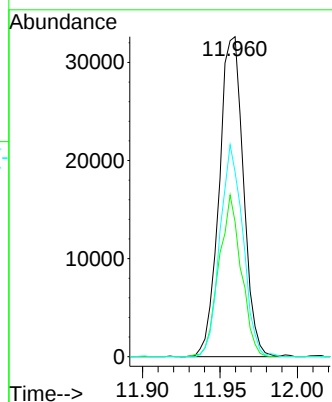
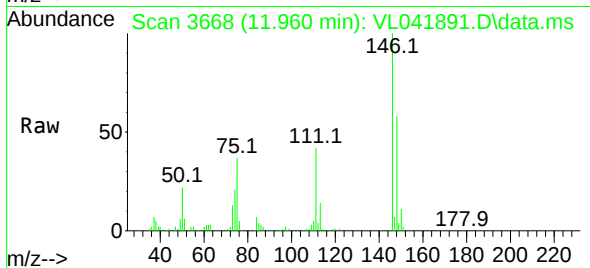
Tgt Ion:146 Resp: 35516

Ion Ratio Lower Upper

146 100

111 46.5 24.2 72.6

148 62.5 31.7 95.1



#78

Hexachloro-1,3-Butadiene

Concen: 1.082 ppbv

RT: 13.892 min Scan# 4265

Delta R.T. -0.003 min

Lab File: VL041891.D

Acq: 14 Jan 2025 13:59

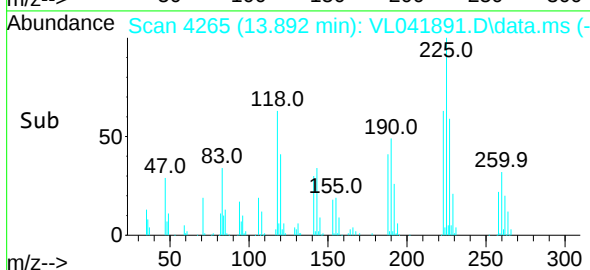
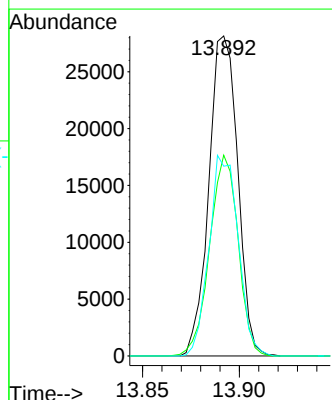
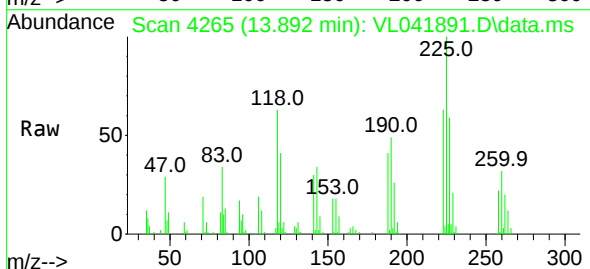
Tgt Ion:225 Resp: 29210

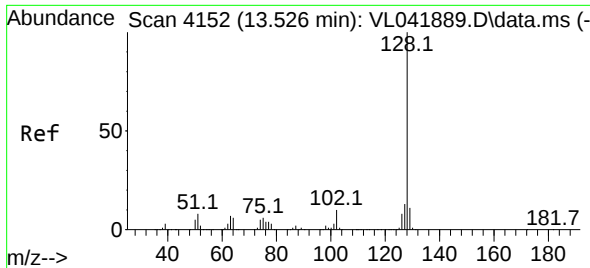
Ion Ratio Lower Upper

225 100

223 61.6 50.8 76.2

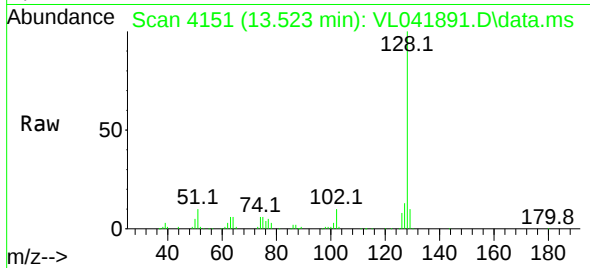
227 63.2 50.3 75.5



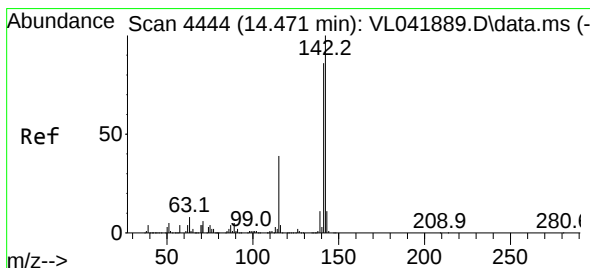
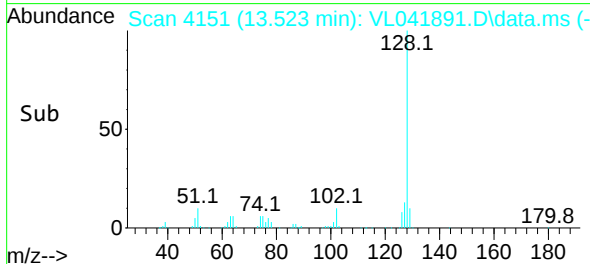
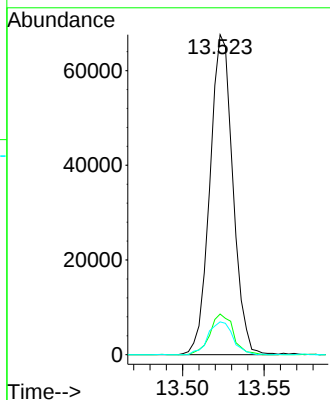


#79
Naphthalene
Concen: 1.174 ppbv
RT: 13.523 min Scan# 4151
Delta R.T. -0.003 min
Lab File: VL041891.D
Acq: 14 Jan 2025 13:59

Instrument :
MSVOA_L
ClientSampleId :

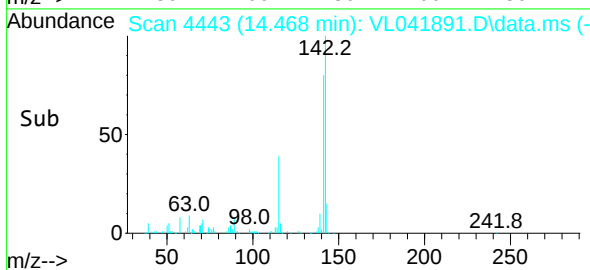
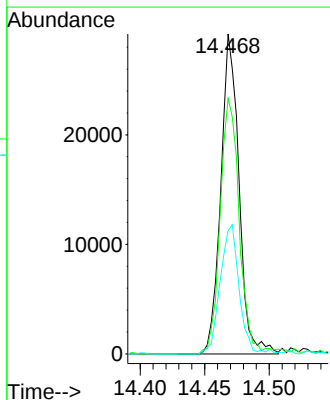
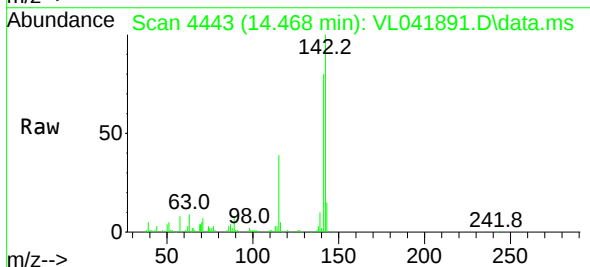


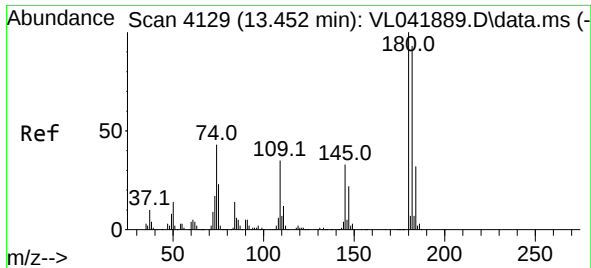
Tgt Ion:128 Resp: 66232
Ion Ratio Lower Upper
128 100
127 12.7 10.2 15.4
129 10.2 9.1 13.7



#80
Naphthalene,2-methyl-
Concen: 1.066 ppbv
RT: 14.468 min Scan# 4443
Delta R.T. -0.003 min
Lab File: VL041891.D
Acq: 14 Jan 2025 13:59

Tgt Ion:142 Resp: 28506
Ion Ratio Lower Upper
142 100
141 85.8 68.1 102.1
115 42.3 31.7 47.5





#81

1,2,4-Trichlorobenzene

Concen: 1.055 ppbv

RT: 13.452 min Scan# 41

Delta R.T. 0.000 min

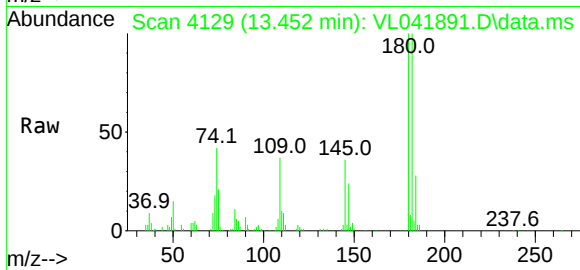
Lab File: VL041891.D

Acq: 14 Jan 2025 13:59

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion:180 Resp: 29053

Ion Ratio Lower Upper

180 100

182 97.9 77.0 115.6

184 31.4 24.9 37.3

