

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050725\
 Data File : VL042511.D
 Acq On : 07 May 2025 11:06
 Operator : SY/MD
 Sample : VL0507ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0507ABS01

Quant Time: May 08 01:23:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri May 02 03:16:31 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.790	49	80155	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	208881	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.891	117	176956	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.383	95	167060	10.183	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.800%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	127299	9.597	ppbv	100
3) Chlorodifluoromethane	1.476	51	135082	9.632	ppbv	99
4) Chloromethane	1.534	50	53037	9.567	ppbv	94
5) Vinyl Chloride	1.583	62	49875	8.935	ppbv	95
6) Bromomethane	1.670	94	24856	9.425	ppbv	91
7) Chloroethane	1.706	64	18795	9.119	ppbv	92
8) Dichlorotetrafluoroethane	1.557	85	107385	9.820	ppbv	99
9) Propene	1.486	41	42493	9.264	ppbv	95
10) Heptane	4.991	43	125573	10.554	ppbv	98
11) Trichlorofluoromethane	1.881	101	121762	9.948	ppbv	97
12) 1,1,2-Trichlorotrifluo...	2.143	101	96197	9.843	ppbv	100
13) Ethanol	1.722	45	6309	6.778	ppbv	91
14) Bromoethene	1.784	108	36257	10.049	ppbv	95
15) Acetone	1.839	43	116759	7.980	ppbv	99
16) 1,3-Butadiene	1.612	39	57835	8.962	ppbv	98
17) tert-Butyl alcohol	2.043	59	120383	9.338	ppbv	99
18) 1,1-Dichloroethene	2.036	96	43793	9.597	ppbv	96
19) Isopropyl Alcohol	1.887	45	74496	9.199	ppbv	100
20) Methylene Chloride	2.065	84	37612	8.550	ppbv	94
21) Allyl Chloride	2.098	41	89994	9.563	ppbv	99
22) trans-1,2-Dichloroethene	2.344	96	50958	9.561	ppbv	92
23) Vinyl Acetate	2.467	43	149633	10.715	ppbv #	97
24) 1,1-Dichloroethane	2.412	63	106094	9.758	ppbv	99
25) Ethyl Acetate	2.842	43	238853	10.195	ppbv	99
26) Hexane	2.829	57	105673	10.353	ppbv	97
27) Carbon Disulfide	2.153	76	121065	10.164	ppbv	94
28) Methyl tert-Butyl Ether	2.444	73	57519	9.380	ppbv	99
29) Chloroform	2.852	83	189716	9.919	ppbv	99
30) Cyclohexane	3.865	84	86645	10.154	ppbv	97
31) cis-1,2-Dichloroethene	2.725	61	115183	9.673	ppbv	95
32) 1,1,1-Trichloroethane	3.376	97	195392	9.416	ppbv	98
34) 2-Butanone	2.564	43	153448	10.156	ppbv	96
35) Carbon Tetrachloride	3.768	117	201424	10.615	ppbv	93
36) Benzene	3.664	78	212511	10.781	ppbv	94
37) 1,2-Dichloroethane	3.224	62	157621	10.375	ppbv	99
38) Trichloroethene	4.557	130	79141	10.528	ppbv	89
39) 1,2-Dichloropropane	4.324	63	75860	10.280	ppbv	86
40) 1,4-Dioxane	4.593	88	33386	9.662	ppbv #	100
41) Tetrahydrofuran	3.062	42	77674	10.818	ppbv	98
42) Bromodichloromethane	4.499	83	202705	10.920	ppbv	98
43) Methyl Methacrylate	4.888	69	80789	10.983	ppbv	99
44) 2,2,4-Trimethylpentane	4.651	57	356173	11.147	ppbv	98
45) t-1,3-Dichloropropene	6.425	75	107738	11.164	ppbv	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050725\
 Data File : VL042511.D
 Acq On : 07 May 2025 11:06
 Operator : SY/MD
 Sample : VL0507ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0507ABS01

Quant Time: May 08 01:23:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri May 02 03:16:31 2025
 Response via : Initial Calibration

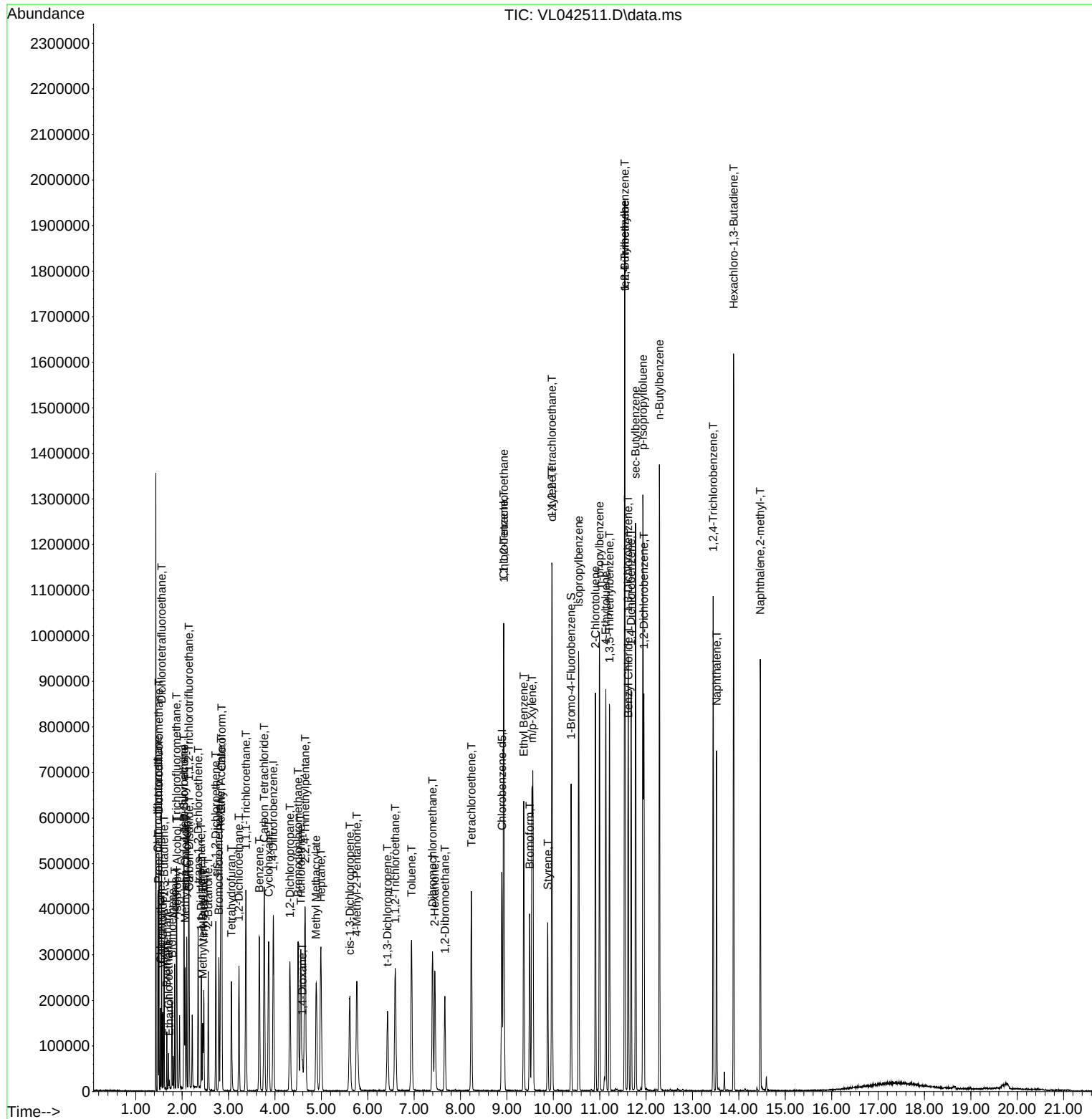
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.613	75	122464	10.677	ppbv	97
47) 1,1,2-Trichloroethane	6.593	97	84225	10.407	ppbv #	90
48) Dibromochloromethane	7.396	129	145141	10.623	ppbv	98
49) Bromoform	9.490	173	124085	10.829	ppbv	99
50) 4-Methyl-2-Pentanone	5.765	43	207560	10.861	ppbv	98
51) 2-Hexanone	7.444	43	166786	10.916	ppbv #	98
52) Tetrachloroethene	8.234	164	69218	9.226	ppbv	88
53) Toluene	6.946	91	229456	10.998	ppbv	99
54) 1,2-Dibromoethane	7.665	107	128612	10.394	ppbv	91
56) 1,1,1,2-Tetrachloroethane	8.933	131	111354	10.655	ppbv	98
57) Chlorobenzene	8.930	112	189405	10.652	ppbv	93
58) Ethyl Benzene	9.364	91	336319	11.373	ppbv	97
59) m/p-Xylene	9.542	91	289380	11.673	ppbv #	33
60) o-Xylene	9.972	91	292756	11.794	ppbv	99
61) Styrene	9.882	104	110807	11.962	ppbv	99
62) Isopropylbenzene	10.545	105	414427	11.575	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.969	83	185060	10.814	ppbv	99
64) n-propylbenzene	10.995	120	103184	11.792	ppbv	97
65) tert-Butylbenzene	11.539	119	369640	11.569	ppbv	99
66) Benzyl Chloride	11.620	91	48974	13.261	ppbv	99
67) sec-Butylbenzene	11.772	105	525917	11.582	ppbv	99
69) p-Isopropyltoluene	11.930	119	445496	11.645	ppbv	100
70) n-Butylbenzene	12.287	91	461764	11.676	ppbv	99
71) 2-Chlorotoluene	10.908	91	323858	11.532	ppbv	100
72) 4-Ethyltoluene	11.131	105	353861	12.091	ppbv	100
73) 1,3,5-Trimethylbenzene	11.212	105	302462	11.751	ppbv	98
74) 1,2,4-Trimethylbenzene	11.542	105	342795	11.008	ppbv	96
75) 1,3-Dichlorobenzene	11.613	146	192047	11.077	ppbv	98
76) 1,4-Dichlorobenzene	11.678	146	188933	11.515	ppbv	99
77) 1,2-Dichlorobenzene	11.953	146	184903	10.896	ppbv	100
78) Hexachloro-1,3-Butadiene	13.885	225	157495	9.294	ppbv	99
79) Naphthalene	13.520	128	313419	11.955	ppbv	96
80) Naphthalene,2-methyl-	14.462	142	234458	12.033	ppbv	100
81) 1,2,4-Trichlorobenzene	13.445	180	153936	11.010	ppbv	98

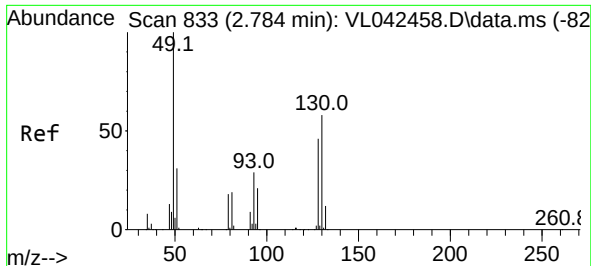
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050725\
 Data File : VL042511.D
 Acq On : 07 May 2025 11:06
 Operator : SY/MD
 Sample : VL0507ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0507ABS01

Quant Time: May 08 01:23:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri May 02 03:16:31 2025
 Response via : Initial Calibration

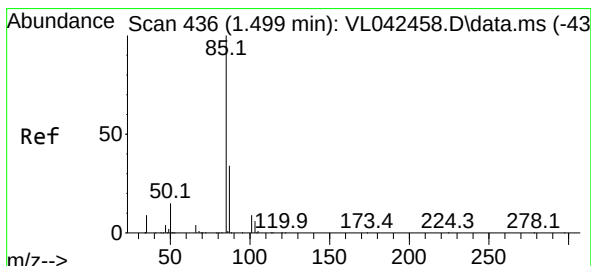
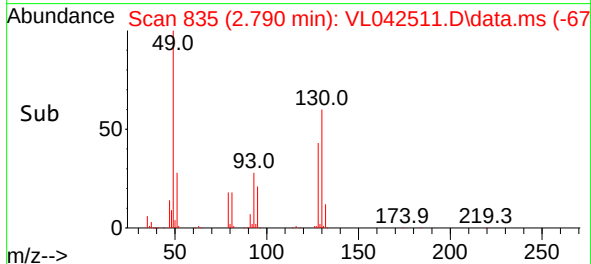
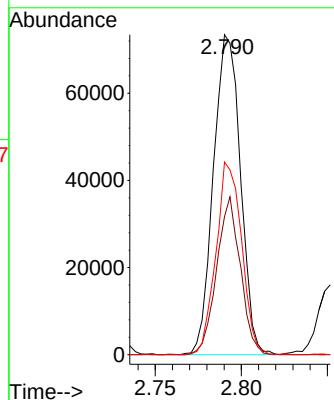
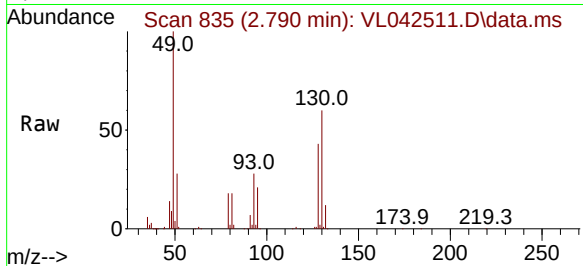




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 81
Delta R.T. 0.006 min
Lab File: VL042511.D
Acq: 07 May 2025 11:06

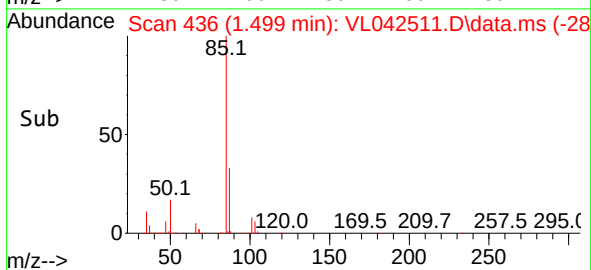
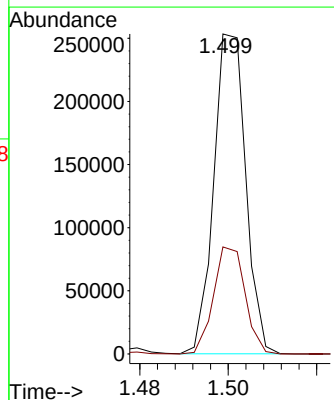
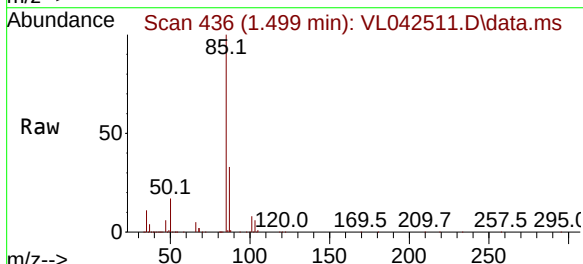
Instrument :
MSVOA_L
ClientSampleId :
VL0507ABS01

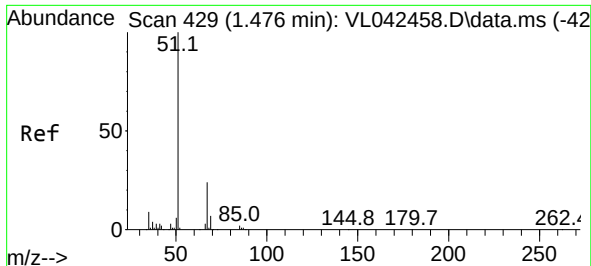
Tgt Ion: 49 Resp: 80155
Ion Ratio Lower Upper
49 100
128 43.3 23.3 69.9
130 57.2 29.5 88.6



#2
Dichlorodifluoromethane
Concen: 9.597 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL042511.D
Acq: 07 May 2025 11:06

Tgt Ion: 85 Resp: 127299
Ion Ratio Lower Upper
85 100
87 33.5 26.9 40.3

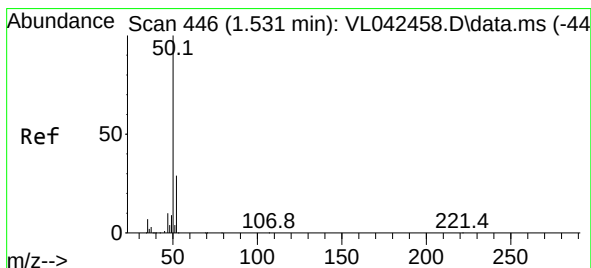
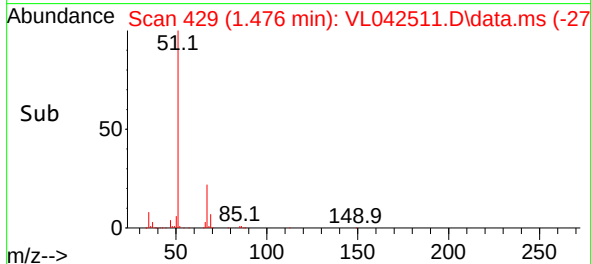
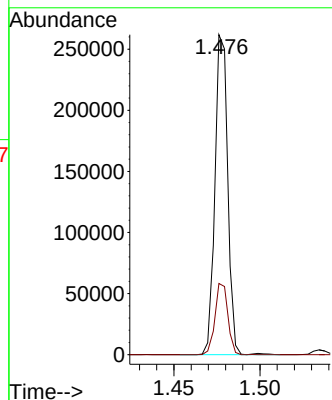
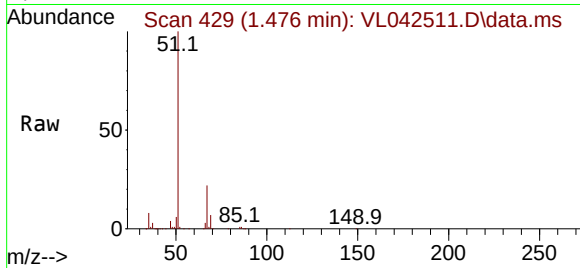




#3
Chlorodifluoromethane
Concen: 9.632 ppbv
RT: 1.476 min Scan# 41
Delta R.T. 0.000 min
Lab File: VL042511.D
Acq: 07 May 2025 11:06

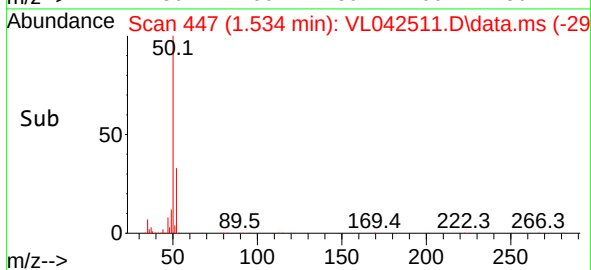
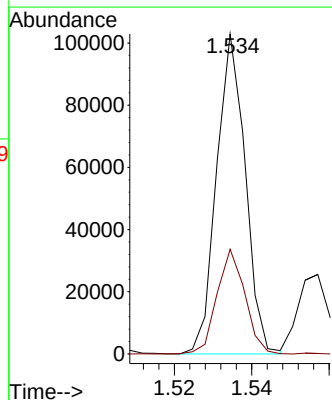
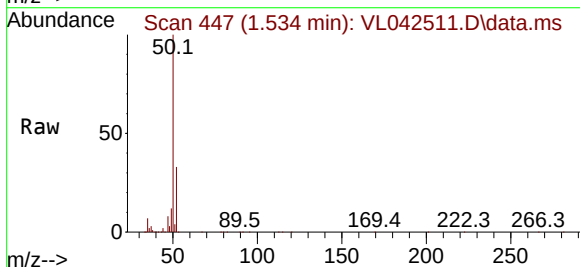
Instrument :
MSVOA_1
ClientSampleId :
VL0507ABS01

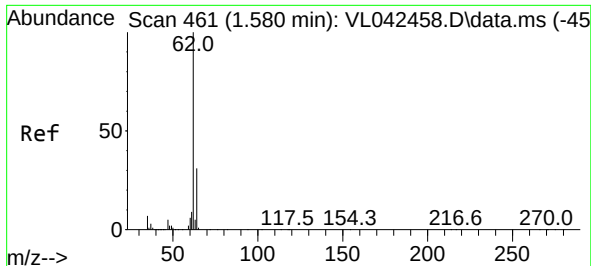
Tgt Ion: 51 Resp: 135082
Ion Ratio Lower Upper
51 100
67 22.4 18.4 27.6



#4
Chloromethane
Concen: 9.567 ppbv
RT: 1.534 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL042511.D
Acq: 07 May 2025 11:06

Tgt Ion: 50 Resp: 53037
Ion Ratio Lower Upper
50 100
52 32.6 23.5 35.3

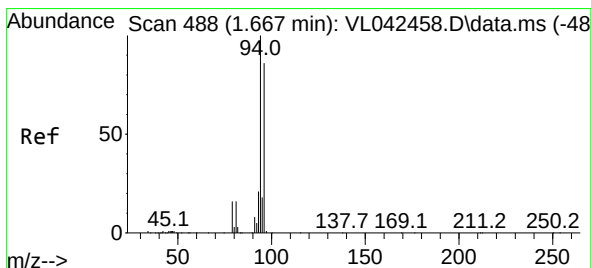
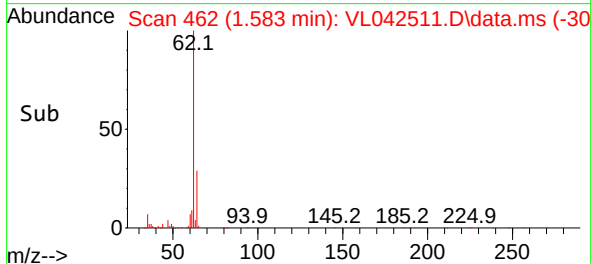
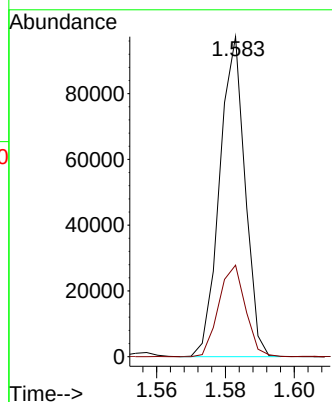
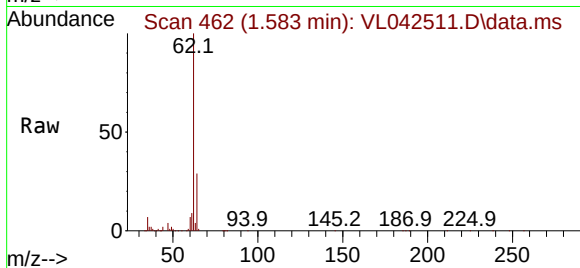




#5
 Vinyl Chloride
 Concen: 8.935 ppbv
 RT: 1.583 min Scan# 462
 Delta R.T. 0.003 min
 Lab File: VL042511.D
 Acq: 07 May 2025 11:06

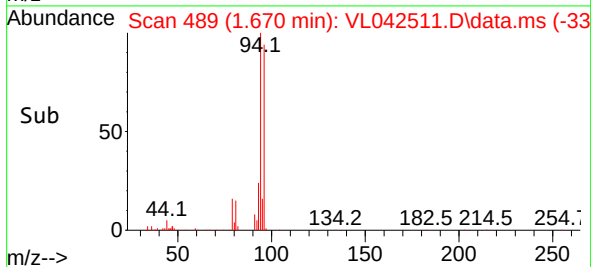
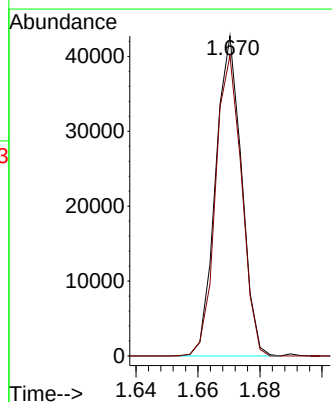
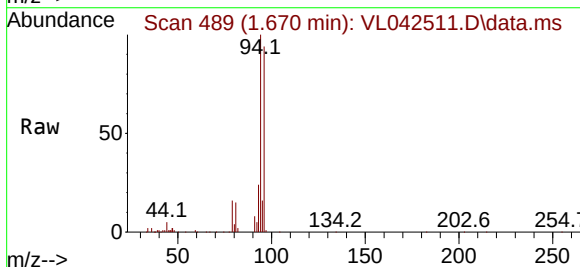
Instrument :
 MSVOA_1
 ClientSampleId :
 VL0507ABS01

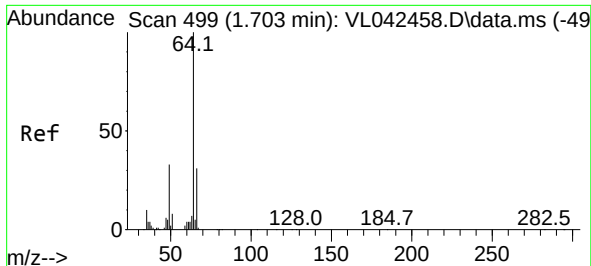
Tgt Ion: 62 Resp: 49875
 Ion Ratio Lower Upper
 62 100
 64 28.6 24.9 37.3



#6
 Bromomethane
 Concen: 9.425 ppbv
 RT: 1.670 min Scan# 489
 Delta R.T. 0.003 min
 Lab File: VL042511.D
 Acq: 07 May 2025 11:06

Tgt Ion: 94 Resp: 24856
 Ion Ratio Lower Upper
 94 100
 96 93.9 68.8 103.2

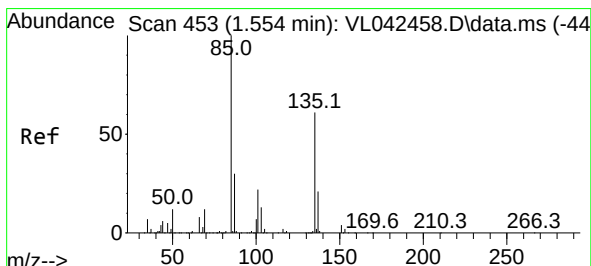
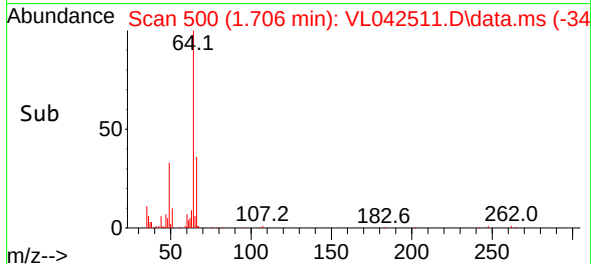
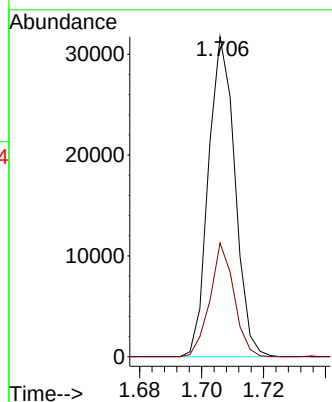
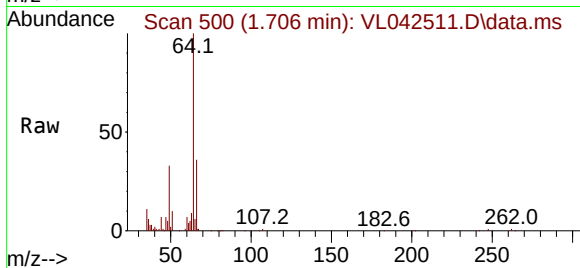




#7
Chloroethane
Concen: 9.119 ppbv
RT: 1.706 min Scan# 50
Delta R.T. 0.003 min
Lab File: VL042511.D
Acq: 07 May 2025 11:06

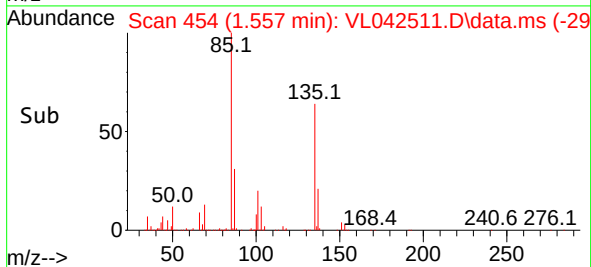
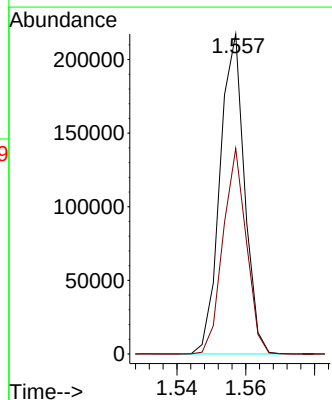
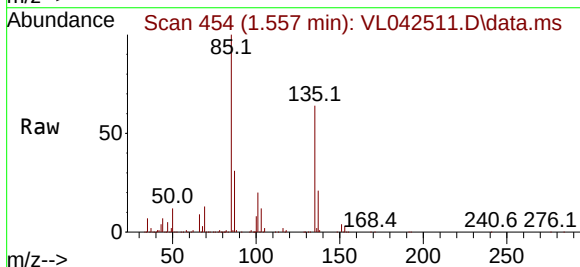
Instrument :
MSVOA_1
ClientSampleId :
VL0507ABS01

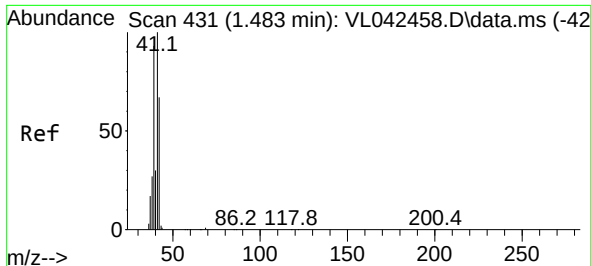
Tgt Ion: 64 Resp: 18795
Ion Ratio Lower Upper
64 100
66 35.5 25.0 37.4



#8
Dichlorotetrafluoroethane
Concen: 9.820 ppbv
RT: 1.557 min Scan# 454
Delta R.T. 0.003 min
Lab File: VL042511.D
Acq: 07 May 2025 11:06

Tgt Ion: 85 Resp: 107385
Ion Ratio Lower Upper
85 100
135 61.2 49.8 74.8





#9

Propene

Concen: 9.264 ppbv

RT: 1.486 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL042511.D

Acq: 07 May 2025 11:06

Instrument :

MSVOA_L

ClientSampleId :

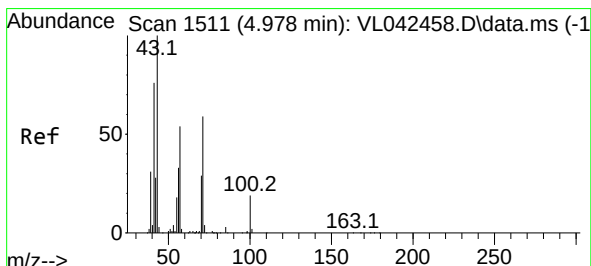
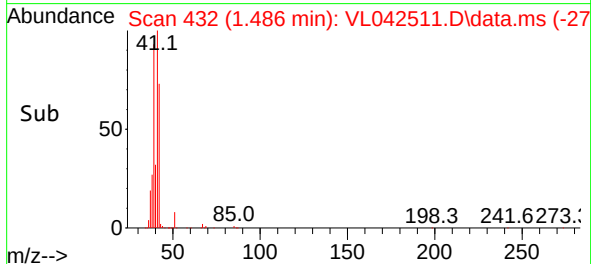
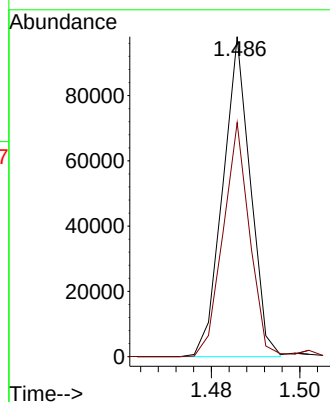
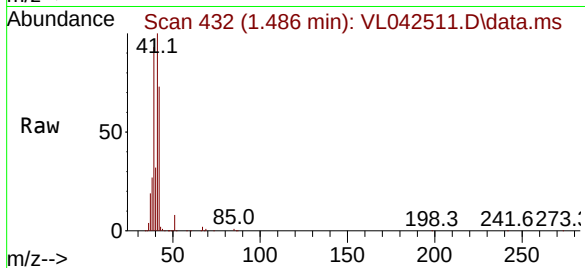
VL0507ABS01

Tgt Ion: 41 Resp: 42493

Ion Ratio Lower Upper

41 100

42 72.1 54.3 81.5



#10

Heptane

Concen: 10.554 ppbv

RT: 4.991 min Scan# 1515

Delta R.T. 0.013 min

Lab File: VL042511.D

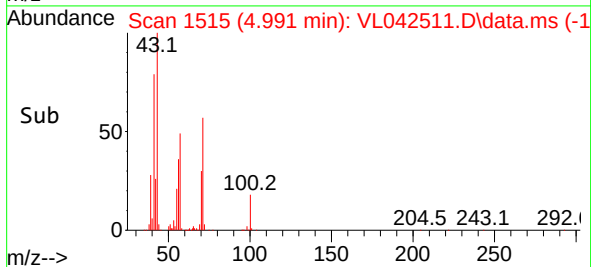
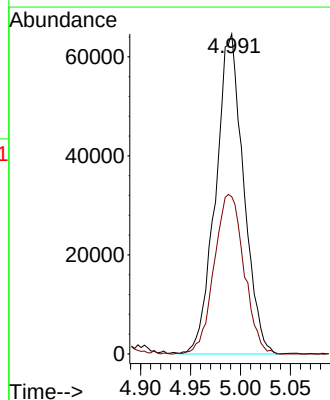
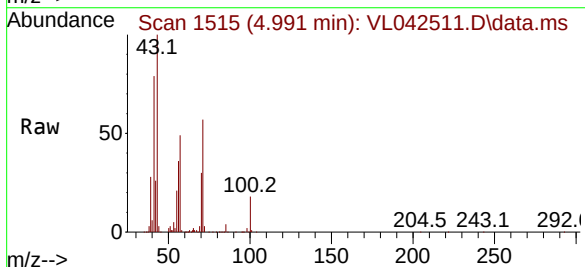
Acq: 07 May 2025 11:06

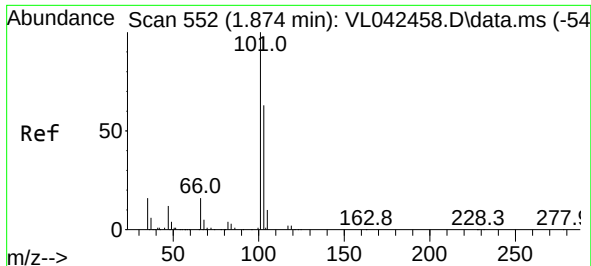
Tgt Ion: 43 Resp: 125573

Ion Ratio Lower Upper

43 100

57 53.4 41.8 62.8

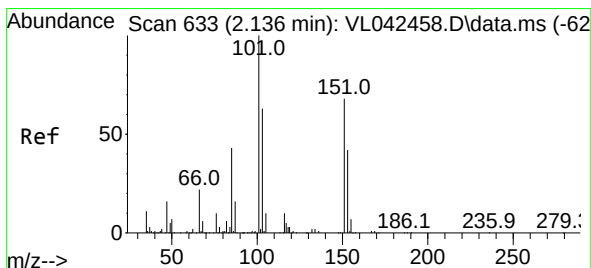
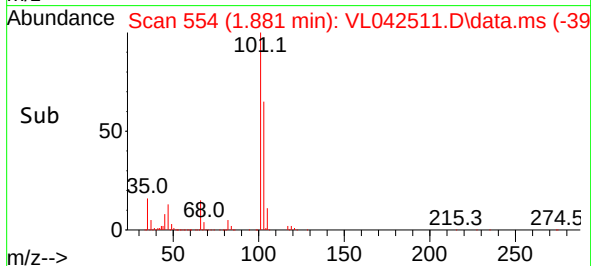
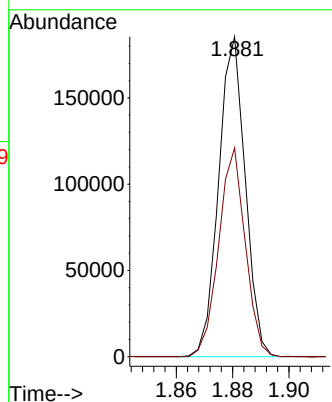
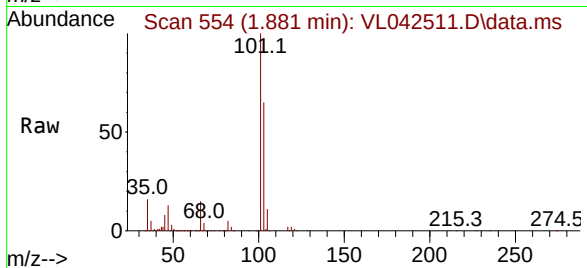




#11
 Trichlorofluoromethane
 Concen: 9.948 ppbv
 RT: 1.881 min Scan# 511
 Delta R.T. 0.007 min
 Lab File: VL042511.D
 Acq: 07 May 2025 11:06

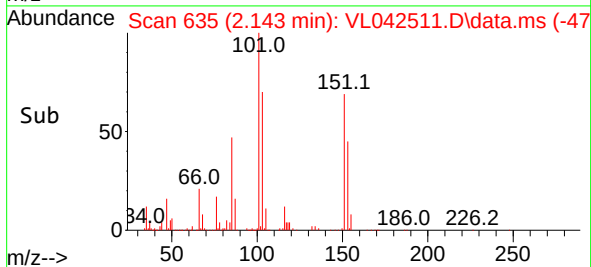
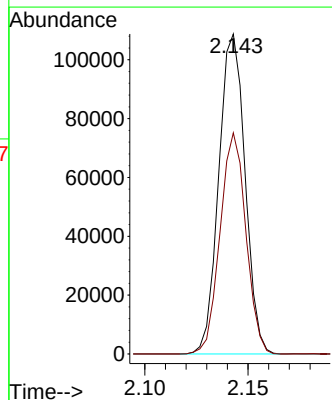
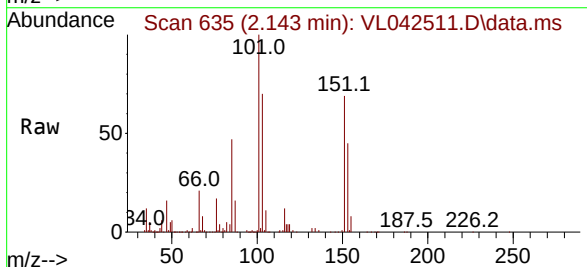
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0507ABS01

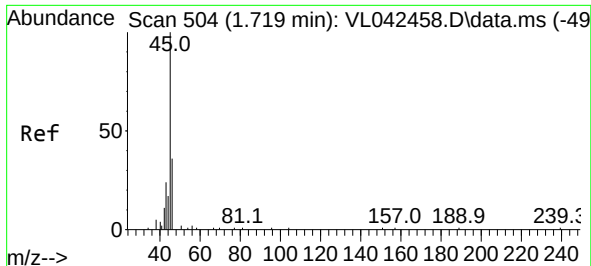
Tgt Ion:101 Resp: 121762
 Ion Ratio Lower Upper
 101 100
 103 65.3 50.6 76.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.843 ppbv
 RT: 2.143 min Scan# 635
 Delta R.T. 0.007 min
 Lab File: VL042511.D
 Acq: 07 May 2025 11:06

Tgt Ion:101 Resp: 96197
 Ion Ratio Lower Upper
 101 100
 151 68.0 54.6 82.0

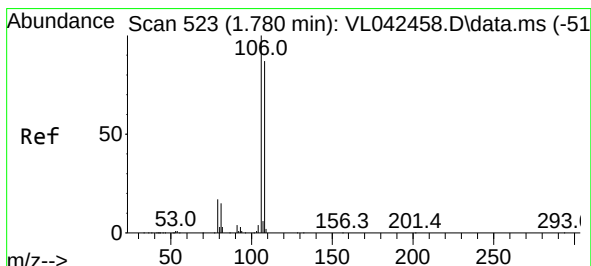
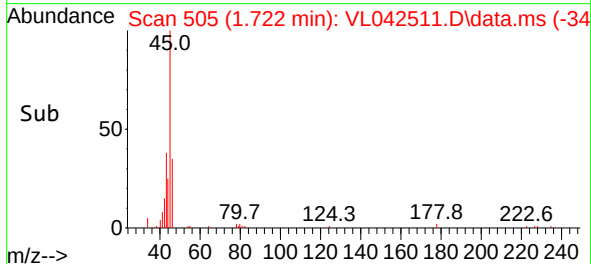
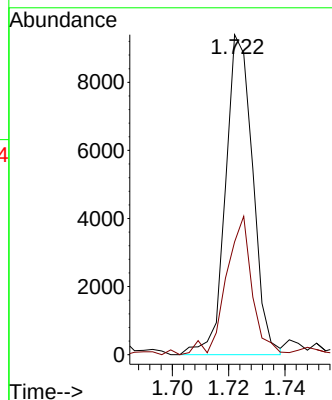
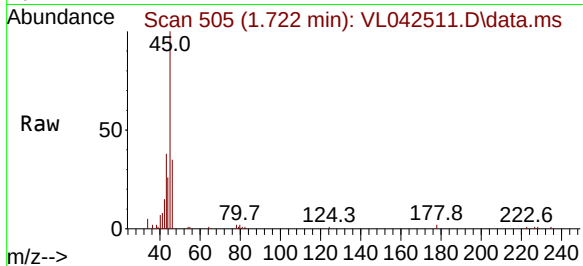




#13
Ethanol
Concen: 6.778 ppbv
RT: 1.722 min Scan# 504
Delta R.T. 0.003 min
Lab File: VL042511.D
Acq: 07 May 2025 11:06

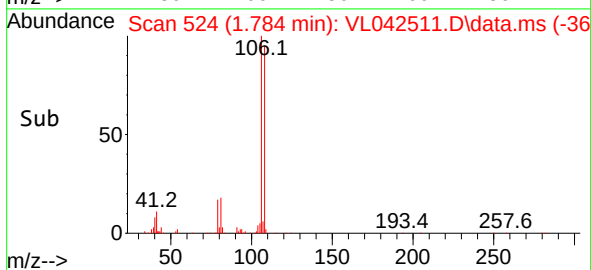
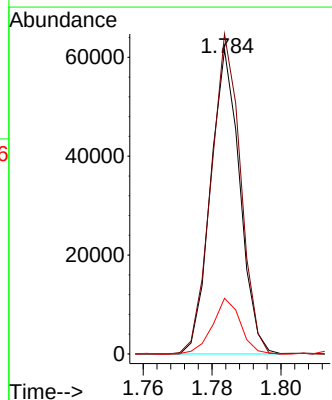
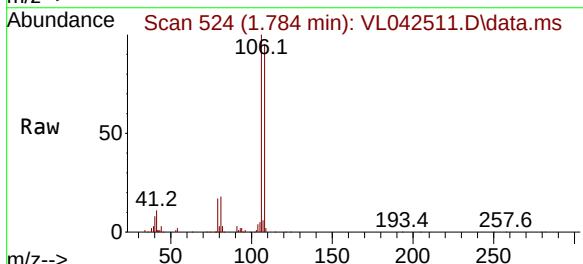
Instrument :
MSVOA_L
ClientSampleId :
VL0507ABS01

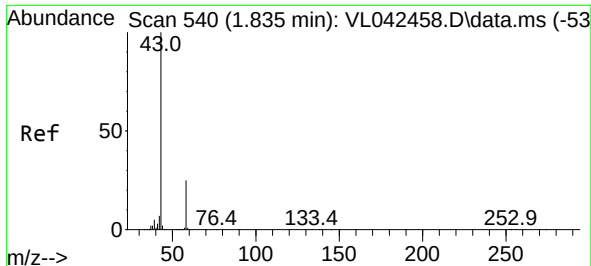
Tgt Ion: 45 Resp: 6309
Ion Ratio Lower Upper
45 100
46 43.9 15.3 61.1



#14
Bromoethene
Concen: 10.049 ppbv
RT: 1.784 min Scan# 524
Delta R.T. 0.003 min
Lab File: VL042511.D
Acq: 07 May 2025 11:06

Tgt Ion: 108 Resp: 36257
Ion Ratio Lower Upper
108 100
106 106.0 88.8 133.2
79 18.0 17.1 25.7

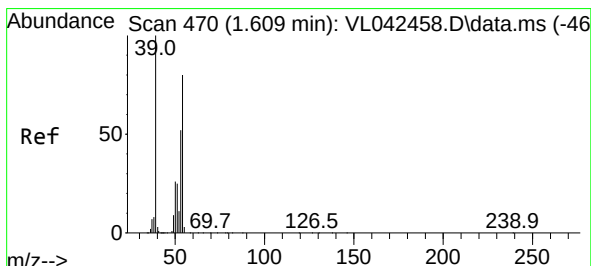
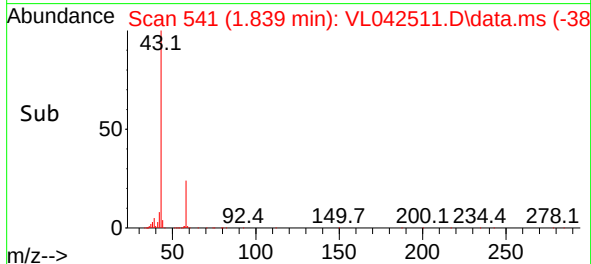
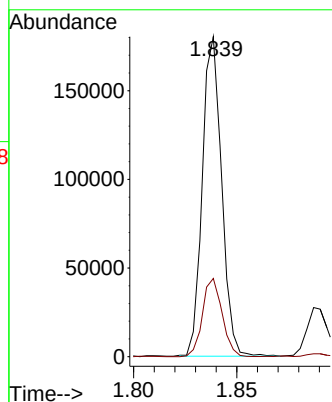
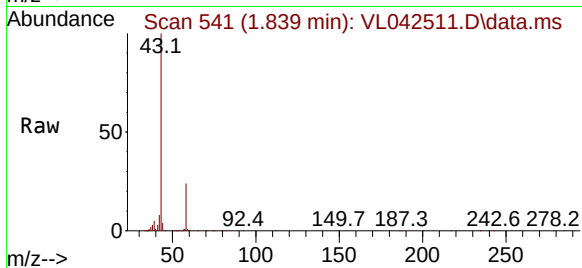




#15
Acetone
Concen: 7.980 ppbv
RT: 1.839 min Scan# 541
Delta R.T. 0.003 min
Lab File: VL042511.D
Acq: 07 May 2025 11:06

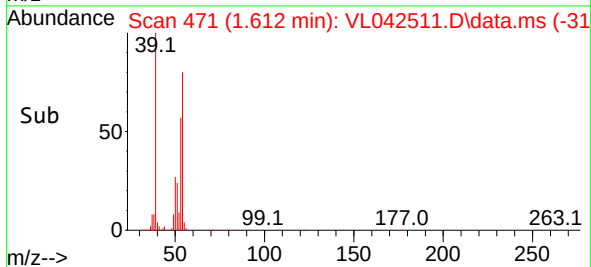
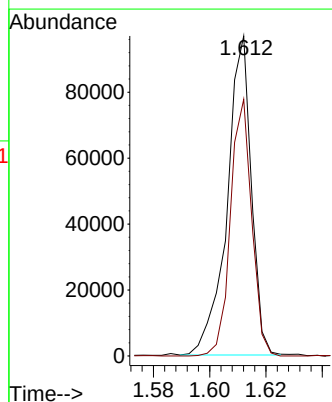
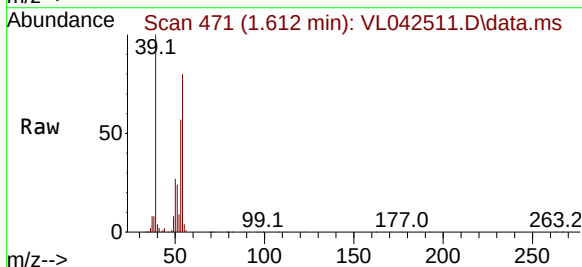
Instrument :
MSVOA_1
ClientSampleId :
VL0507ABS01

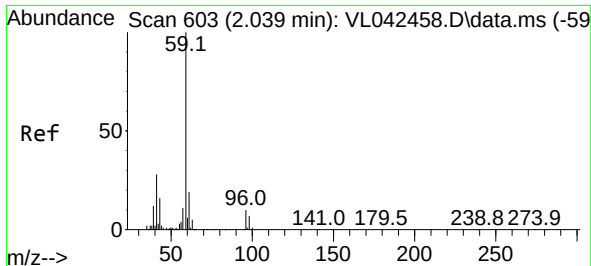
Tgt Ion: 43 Resp: 116759
Ion Ratio Lower Upper
43 100
58 25.1 19.8 29.8



#16
1,3-Butadiene
Concen: 8.962 ppbv
RT: 1.612 min Scan# 471
Delta R.T. 0.003 min
Lab File: VL042511.D
Acq: 07 May 2025 11:06

Tgt Ion: 39 Resp: 57835
Ion Ratio Lower Upper
39 100
54 70.5 55.2 82.8

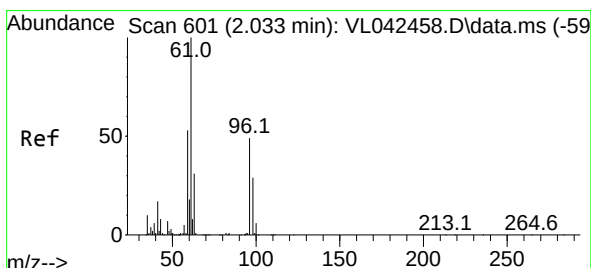
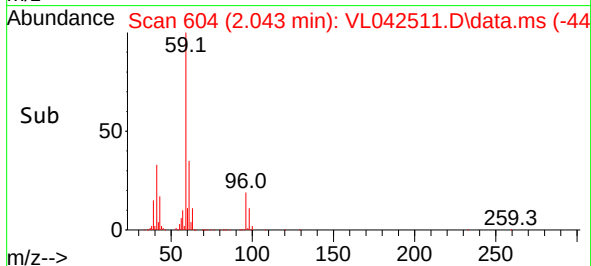
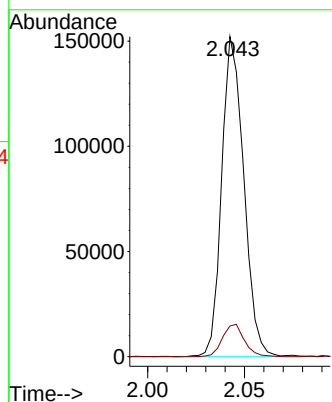
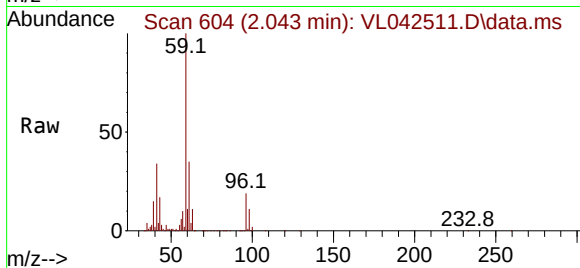




#17
tert-Butyl alcohol
Concen: 9.338 ppbv
RT: 2.043 min Scan# 603
Delta R.T. 0.003 min
Lab File: VL042511.D
Acq: 07 May 2025 11:06

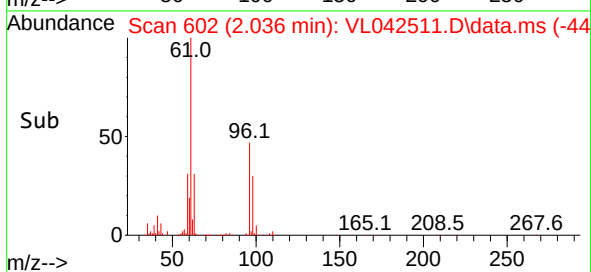
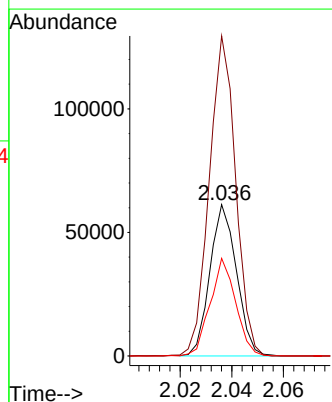
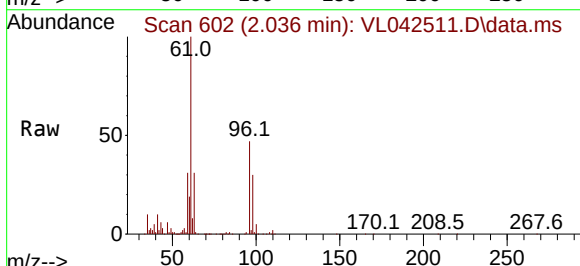
Instrument :
MSVOA_1
ClientSampleId :
VL0507ABS01

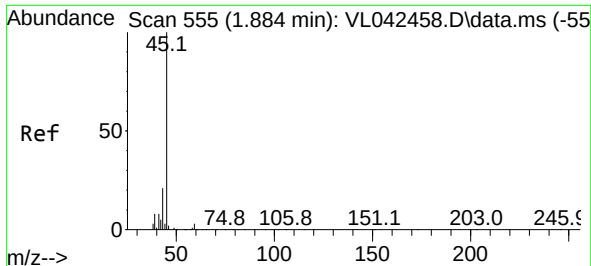
Tgt Ion: 59 Resp: 120383
Ion Ratio Lower Upper
59 100
57 10.2 8.3 12.5



#18
1,1-Dichloroethene
Concen: 9.597 ppbv
RT: 2.036 min Scan# 602
Delta R.T. 0.003 min
Lab File: VL042511.D
Acq: 07 May 2025 11:06

Tgt Ion: 96 Resp: 43793
Ion Ratio Lower Upper
96 100
61 211.4 164.9 247.3
98 64.4 48.2 72.2

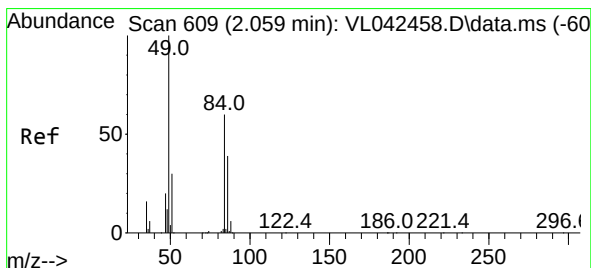
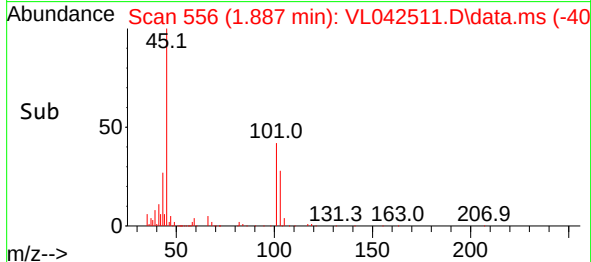
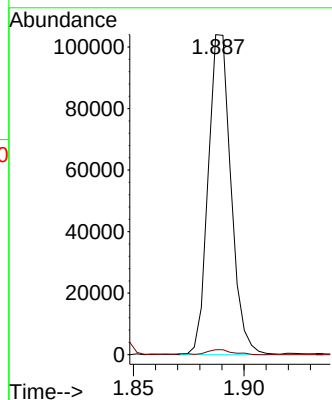
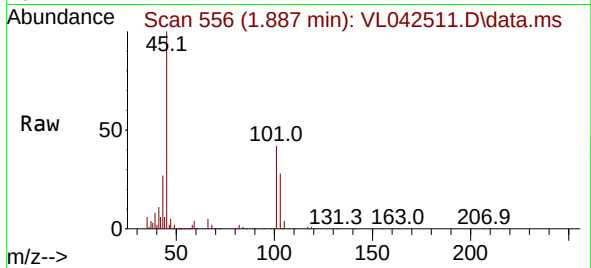




#19
Isopropyl Alcohol
Concen: 9.199 ppbv
RT: 1.887 min Scan# 511
Delta R.T. 0.003 min
Lab File: VL042511.D
Acq: 07 May 2025 11:06

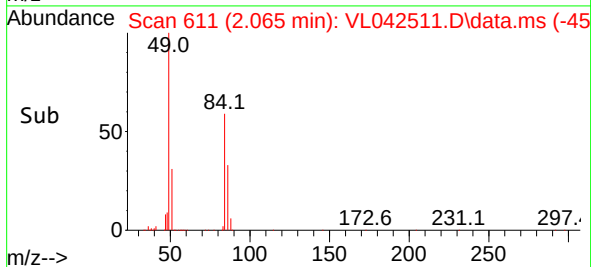
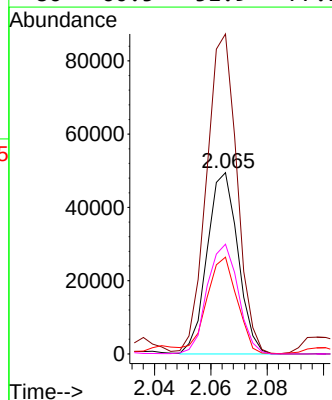
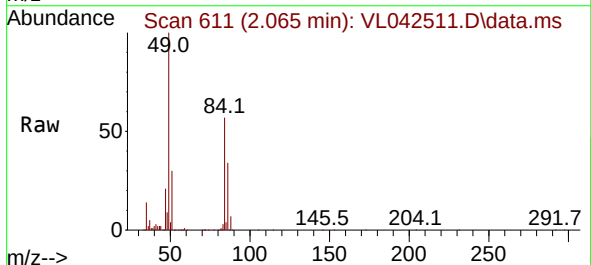
Instrument :
MSVOA_1
ClientSampleId :
VL0507ABS01

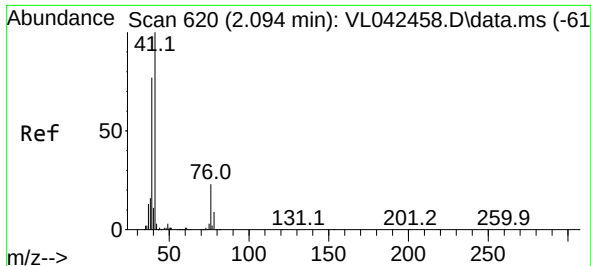
Tgt Ion: 45 Resp: 74496
Ion Ratio Lower Upper
45 100
58 2.0 1.6 2.4



#20
Methylene Chloride
Concen: 8.550 ppbv
RT: 2.065 min Scan# 611
Delta R.T. 0.007 min
Lab File: VL042511.D
Acq: 07 May 2025 11:06

Tgt Ion: 84 Resp: 37612
Ion Ratio Lower Upper
84 100
49 176.3 133.9 200.9
51 53.2 41.0 61.6
86 60.5 51.9 77.9

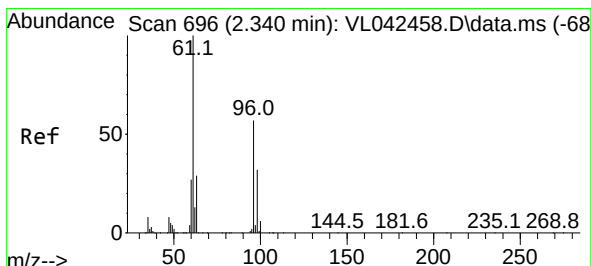
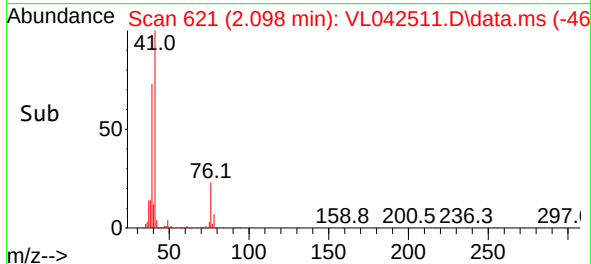
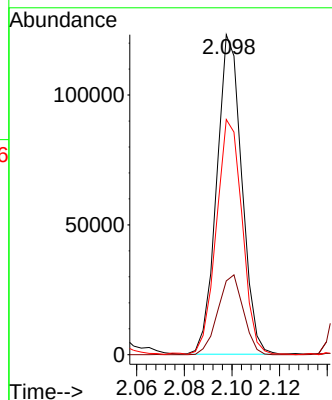
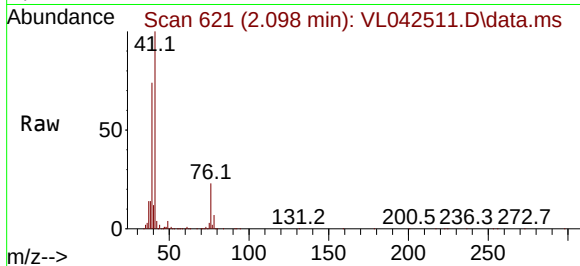




#21
 Allyl Chloride
 Concen: 9.563 ppbv
 RT: 2.098 min Scan# 61
 Delta R.T. 0.003 min
 Lab File: VL042511.D
 Acq: 07 May 2025 11:06

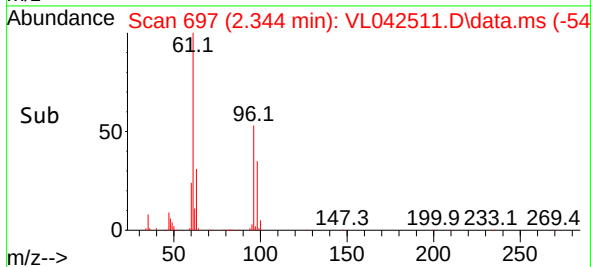
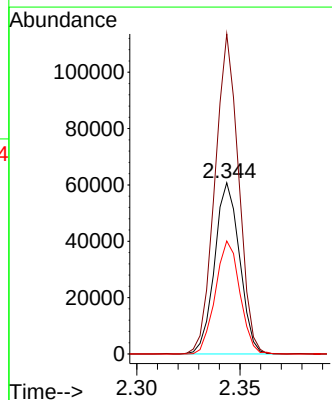
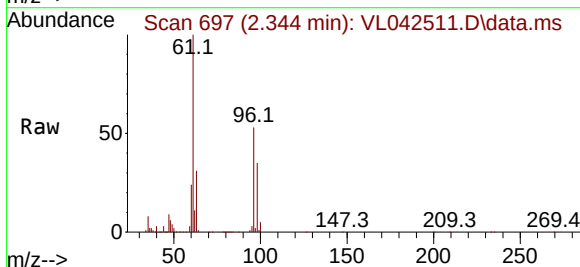
Instrument :
 MSVOA_1
 ClientSampleId :
 VL0507ABS01

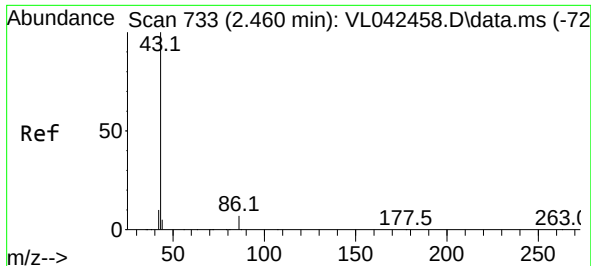
Tgt Ion: 41 Resp: 89994
 Ion Ratio Lower Upper
 41 100
 76 25.2 19.6 29.4
 39 75.0 61.0 91.4



#22
 trans-1,2-Dichloroethene
 Concen: 9.561 ppbv
 RT: 2.344 min Scan# 697
 Delta R.T. 0.003 min
 Lab File: VL042511.D
 Acq: 07 May 2025 11:06

Tgt Ion: 96 Resp: 50958
 Ion Ratio Lower Upper
 96 100
 61 187.0 141.8 212.6
 98 66.0 45.0 67.6



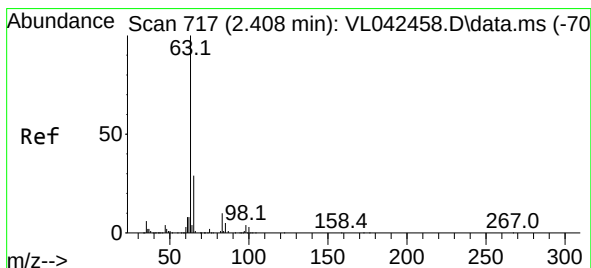
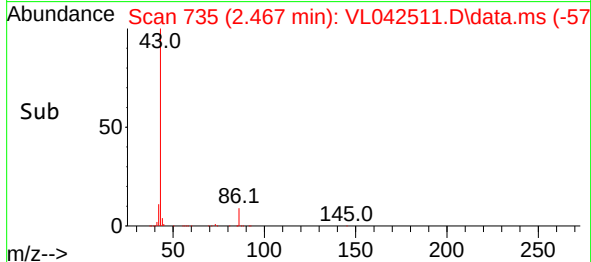
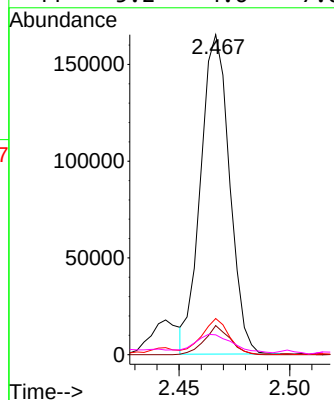
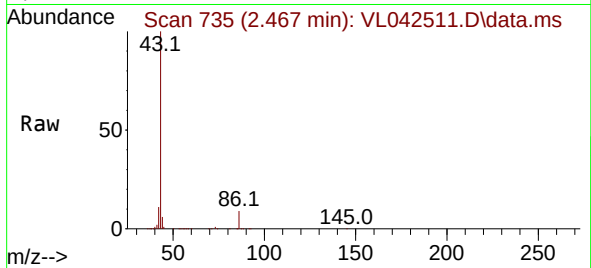


#23
 Vinyl Acetate
 Concen: 10.715 ppbv
 RT: 2.467 min Scan# 718
 Delta R.T. 0.007 min
 Lab File: VL042511.D
 Acq: 07 May 2025 11:06

Instrument :
 MSVOA_1
 ClientSampleId :
 VL0507ABS01

Tgt Ion: 43 Resp: 149633

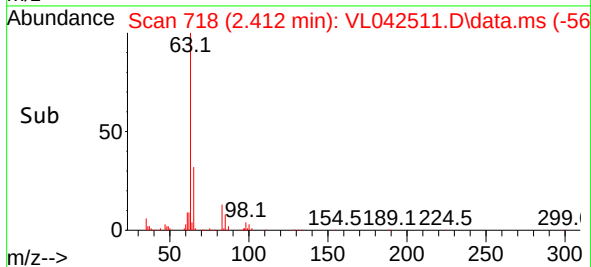
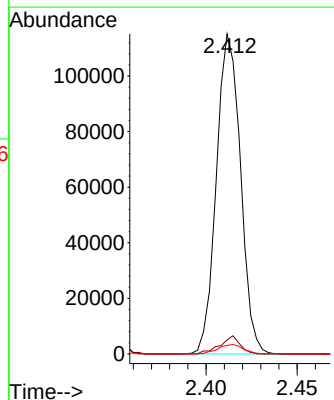
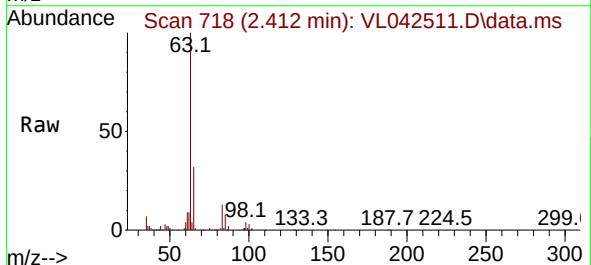
Ion	Ratio	Lower	Upper
43	100		
86	9.1	5.5	8.3#
42	11.2	8.3	12.5
44	5.2	4.6	7.0

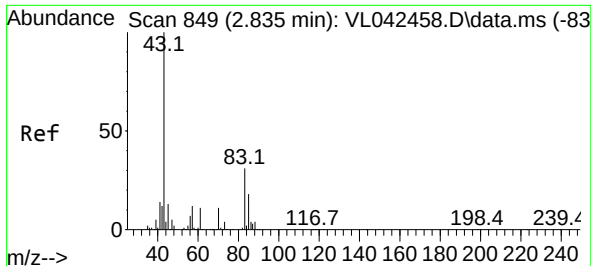


#24
 1,1-Dichloroethane
 Concen: 9.758 ppbv
 RT: 2.412 min Scan# 718
 Delta R.T. 0.003 min
 Lab File: VL042511.D
 Acq: 07 May 2025 11:06

Tgt Ion: 63 Resp: 106094

Ion	Ratio	Lower	Upper
63	100		
98	4.4	1.8	5.5
100	2.7	1.4	4.2

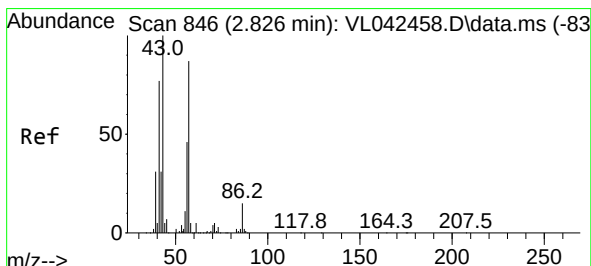
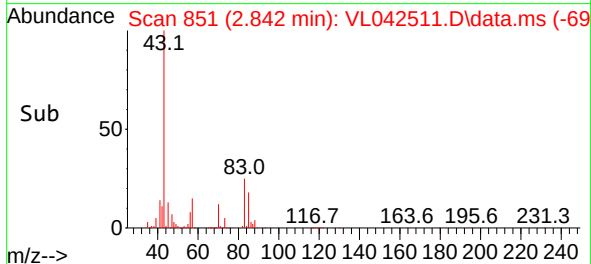
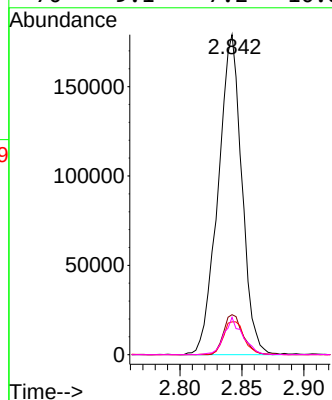
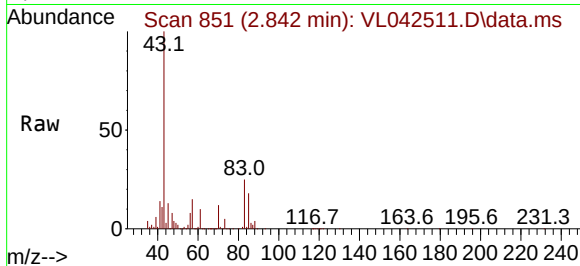




#25
Ethyl Acetate
Concen: 10.195 ppbv
RT: 2.842 min Scan# 849
Delta R.T. 0.007 min
Lab File: VL042511.D
Acq: 07 May 2025 11:06

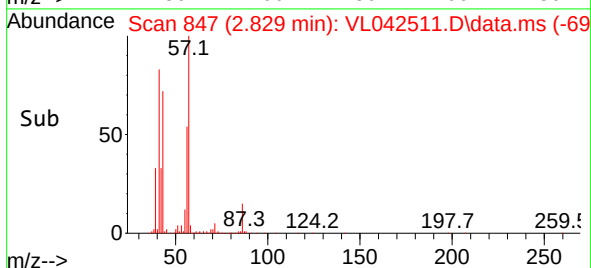
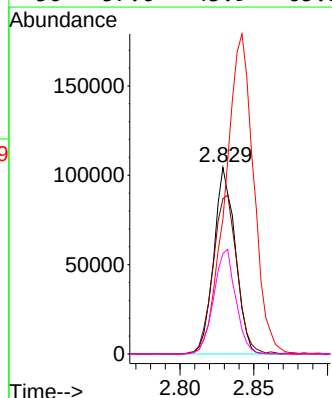
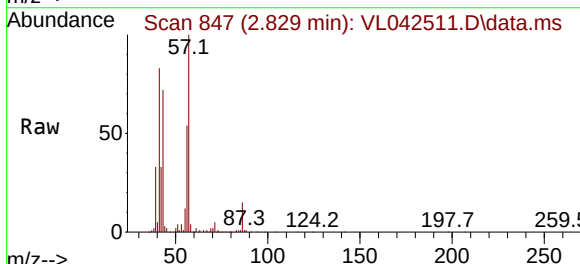
Instrument :
MSVOA_L
ClientSampleId :
VL0507ABS01

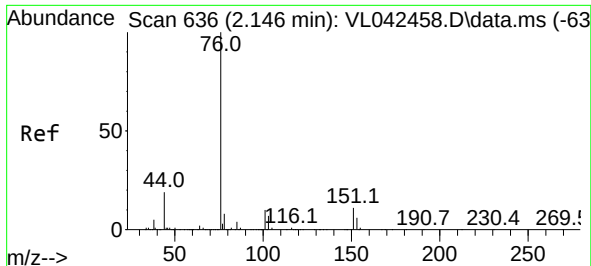
Tgt Ion: 43 Resp: 238853
Ion Ratio Lower Upper
43 100
45 10.2 7.8 11.6
61 9.1 7.2 10.8
70 9.1 7.2 10.8



#26
Hexane
Concen: 10.353 ppbv
RT: 2.829 min Scan# 847
Delta R.T. 0.003 min
Lab File: VL042511.D
Acq: 07 May 2025 11:06

Tgt Ion: 57 Resp: 105673
Ion Ratio Lower Upper
57 100
41 95.9 77.8 116.8
43 227.3 187.0 280.6
56 57.6 43.9 65.9

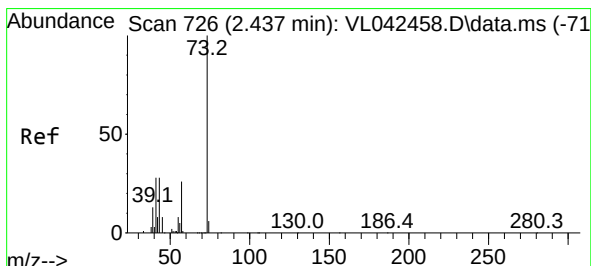
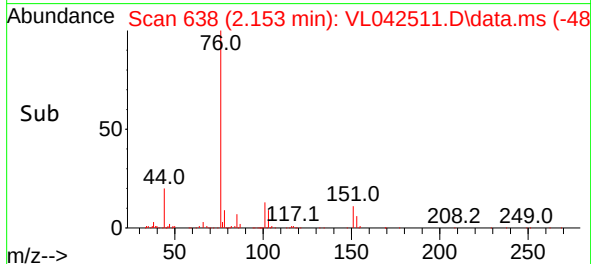
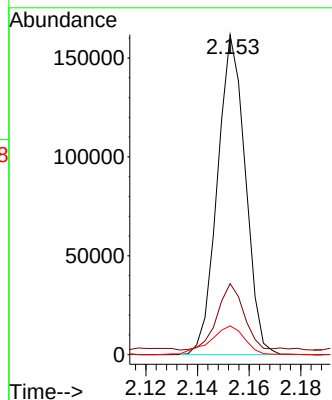
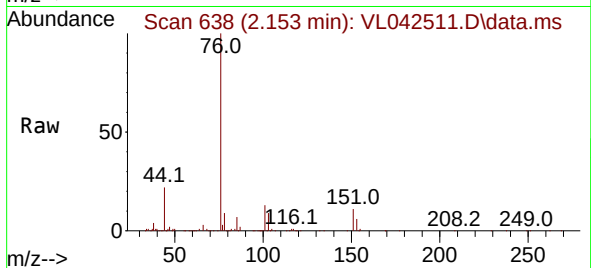




#27
Carbon Disulfide
Concen: 10.164 ppbv
RT: 2.153 min Scan# 61
Delta R.T. 0.007 min
Lab File: VL042511.D
Acq: 07 May 2025 11:06

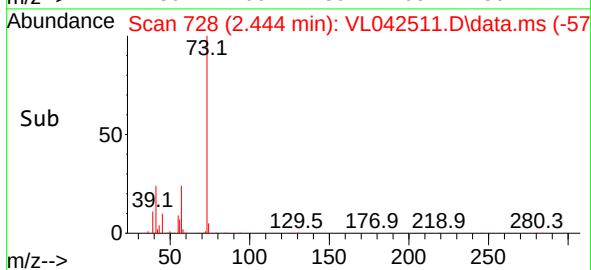
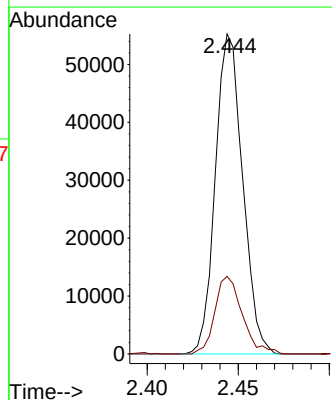
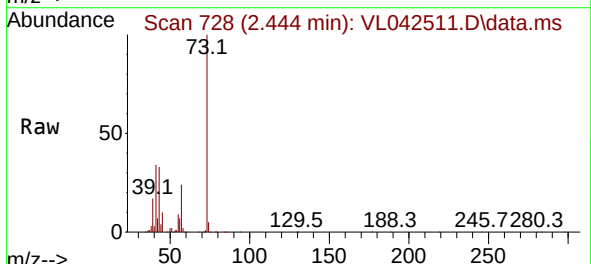
Instrument :
MSVOA_L
ClientSampleId :
VL0507ABS01

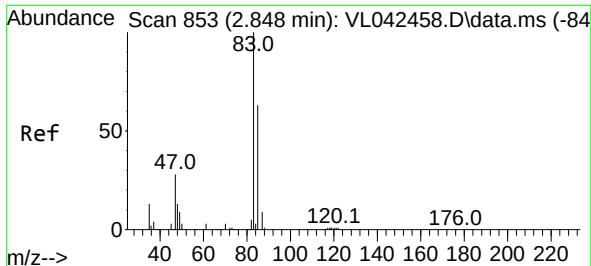
Tgt Ion: 76 Resp: 121065
Ion Ratio Lower Upper
76 100
44 21.9 21.0 31.6
78 11.2 8.6 13.0



#28
Methyl tert-Butyl Ether
Concen: 9.380 ppbv
RT: 2.444 min Scan# 728
Delta R.T. 0.007 min
Lab File: VL042511.D
Acq: 07 May 2025 11:06

Tgt Ion: 73 Resp: 57519
Ion Ratio Lower Upper
73 100
57 24.6 19.9 29.9

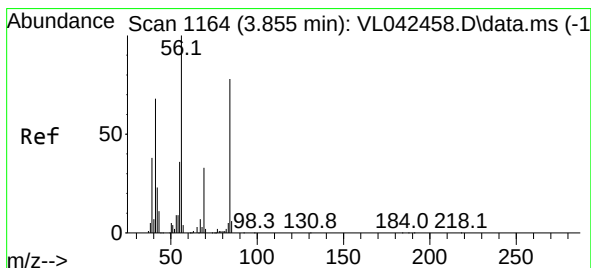
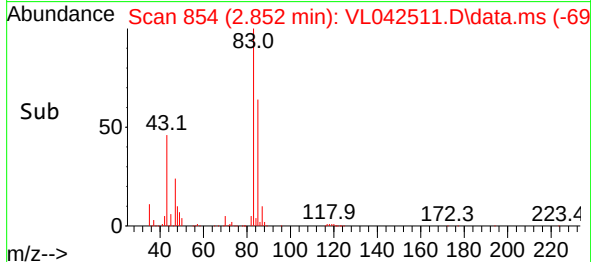
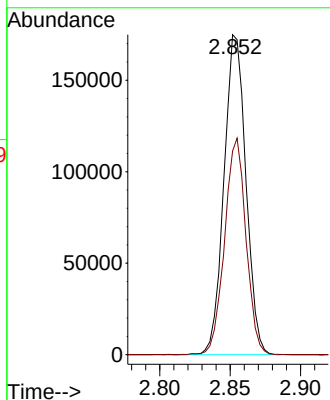
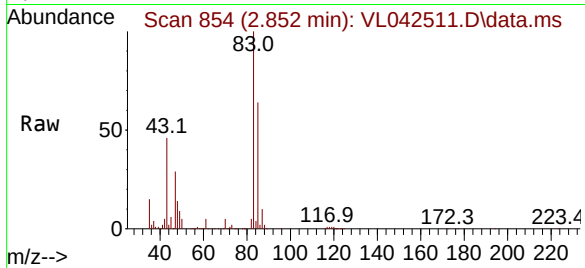




#29
Chloroform
Concen: 9.919 ppbv
RT: 2.852 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL042511.D
Acq: 07 May 2025 11:06

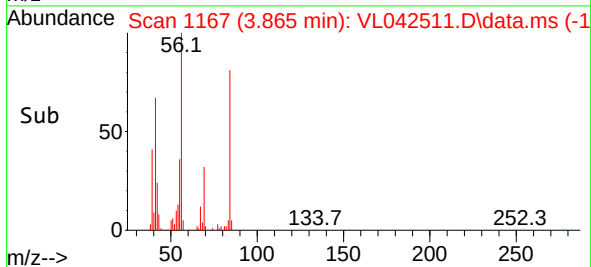
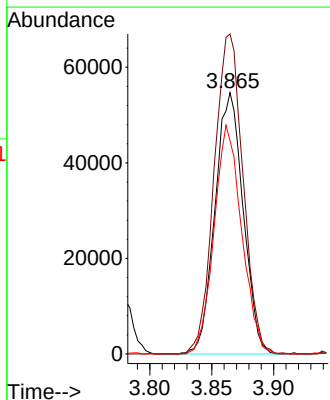
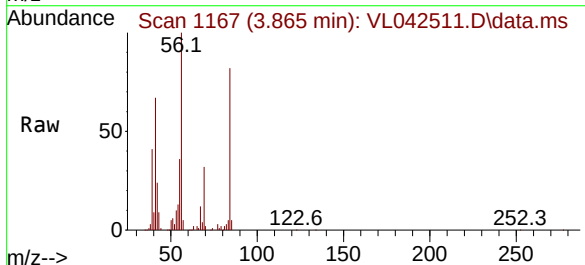
Instrument :
MSVOA_L
ClientSampleId :
VL0507ABS01

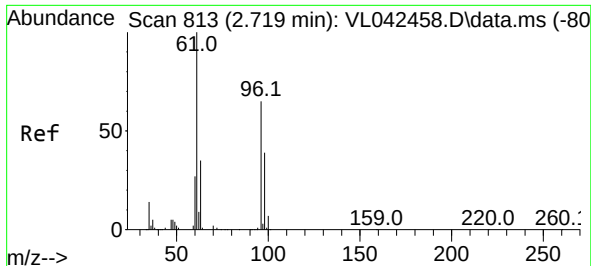
Tgt Ion: 83 Resp: 189716
Ion Ratio Lower Upper
83 100
85 63.7 50.4 75.6



#30
Cyclohexane
Concen: 10.154 ppbv
RT: 3.865 min Scan# 1167
Delta R.T. 0.010 min
Lab File: VL042511.D
Acq: 07 May 2025 11:06

Tgt Ion: 84 Resp: 86645
Ion Ratio Lower Upper
84 100
56 125.5 98.1 147.1
41 85.7 65.8 98.8

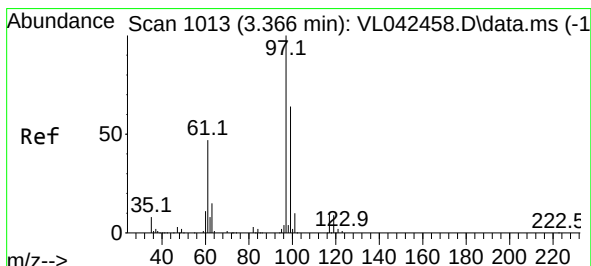
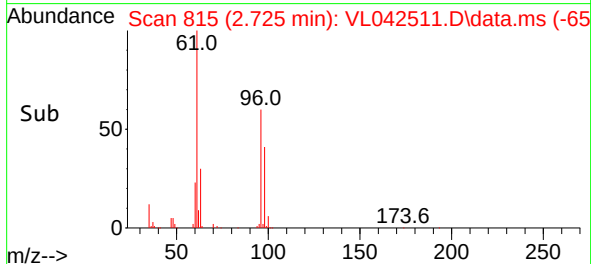
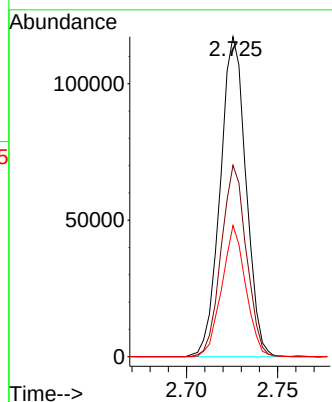
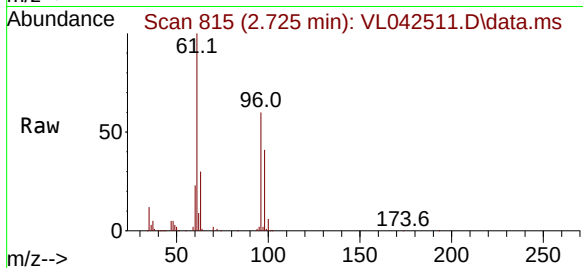




#31
 cis-1,2-Dichloroethene
 Concen: 9.673 ppbv
 RT: 2.725 min Scan# 813
 Delta R.T. 0.007 min
 Lab File: VL042511.D
 Acq: 07 May 2025 11:06

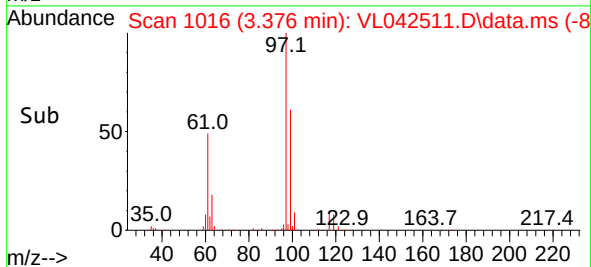
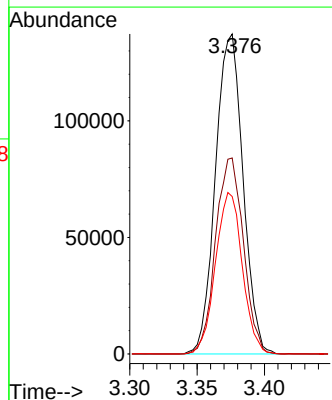
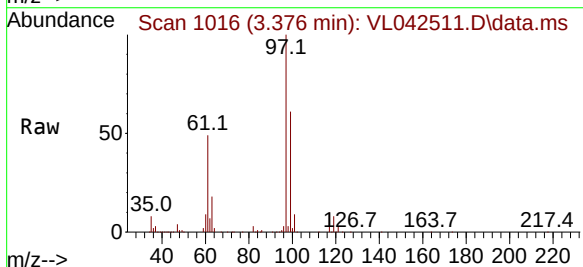
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0507ABS01

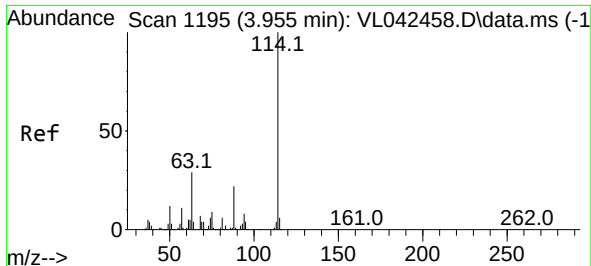
Tgt Ion: 61 Resp: 115183
 Ion Ratio Lower Upper
 61 100
 96 59.8 52.0 78.0
 98 41.0 31.0 46.6



#32
 1,1,1-Trichloroethane
 Concen: 9.416 ppbv
 RT: 3.376 min Scan# 1016
 Delta R.T. 0.010 min
 Lab File: VL042511.D
 Acq: 07 May 2025 11:06

Tgt Ion: 97 Resp: 195392
 Ion Ratio Lower Upper
 97 100
 99 61.8 50.7 76.1
 61 49.2 40.9 61.3





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.965 min Scan# 1195

Delta R.T. 0.010 min

Lab File: VL042511.D

Acq: 07 May 2025 11:06

Instrument :

MSVOA_1

ClientSampleId :

VL0507ABS01

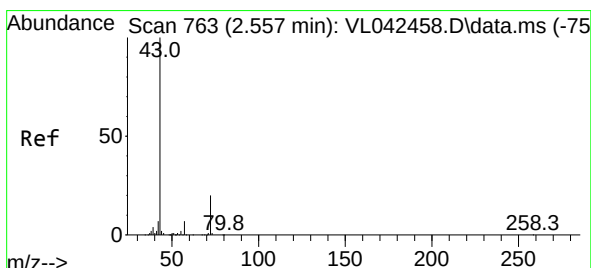
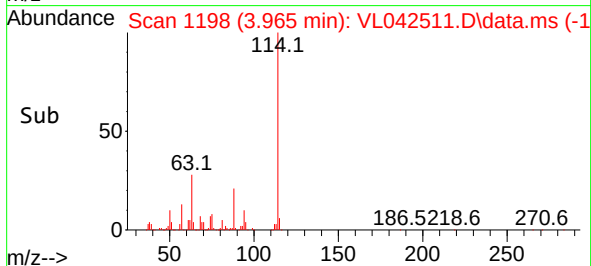
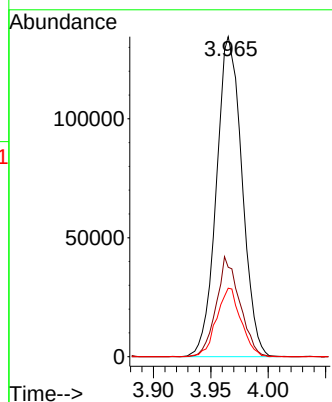
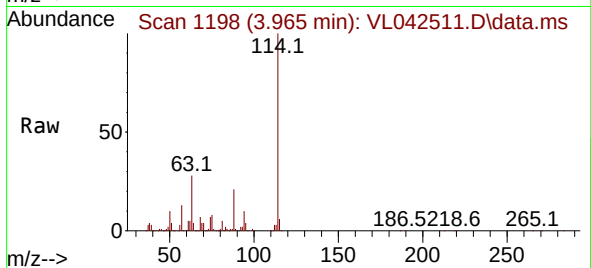
Tgt Ion:114 Resp: 208881

Ion Ratio Lower Upper

114 100

63 28.7 23.1 34.7

88 20.4 16.1 24.1



#34

2-Butanone

Concen: 10.156 ppbv

RT: 2.564 min Scan# 765

Delta R.T. 0.007 min

Lab File: VL042511.D

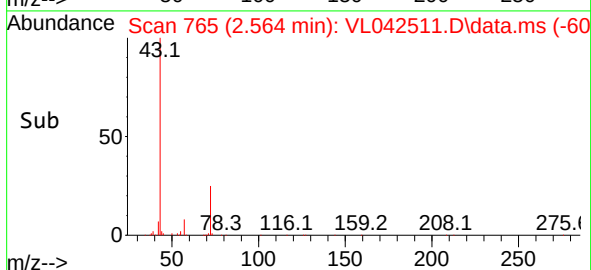
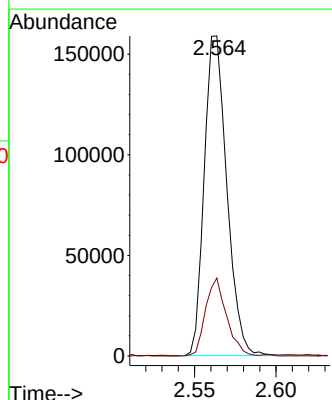
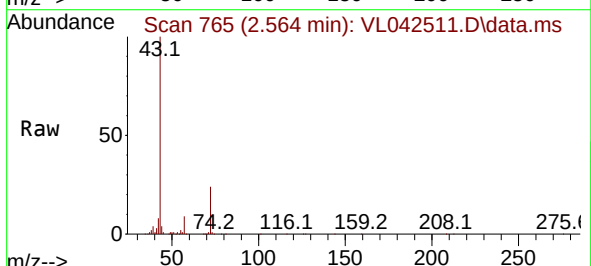
Acq: 07 May 2025 11:06

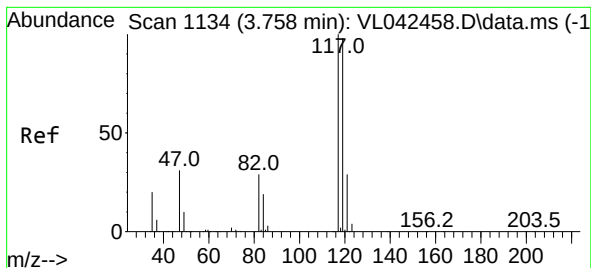
Tgt Ion: 43 Resp: 153448

Ion Ratio Lower Upper

43 100

72 22.9 16.7 25.1





#35

Carbon Tetrachloride

Concen: 10.615 ppbv

RT: 3.768 min Scan# 1137

Delta R.T. 0.010 min

Lab File: VL042511.D

Acq: 07 May 2025 11:06

Instrument :

MSVOA_L

ClientSampleId :

VL0507ABS01

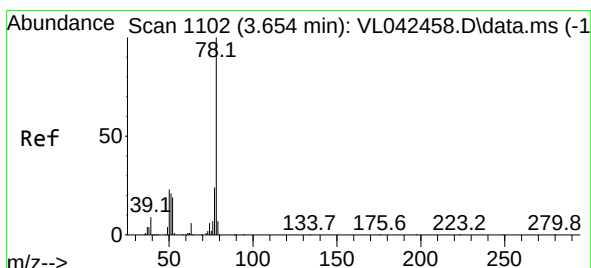
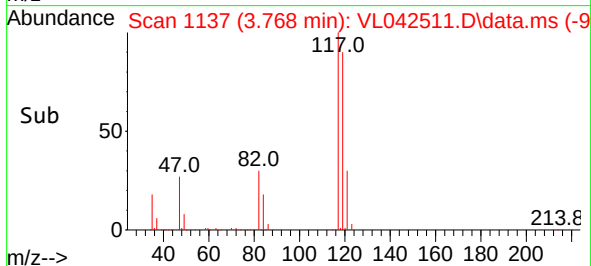
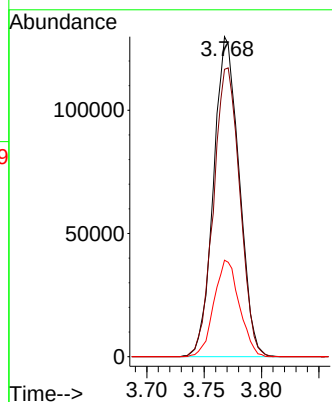
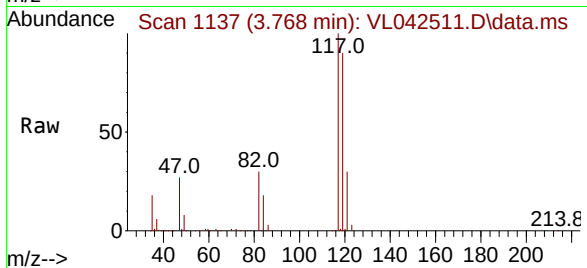
Tgt Ion:117 Resp: 201424

Ion Ratio Lower Upper

117 100

119 89.8 78.1 117.1

121 30.1 23.0 34.6



#36

Benzene

Concen: 10.781 ppbv

RT: 3.664 min Scan# 1105

Delta R.T. 0.010 min

Lab File: VL042511.D

Acq: 07 May 2025 11:06

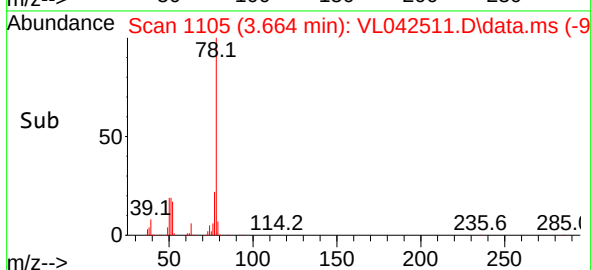
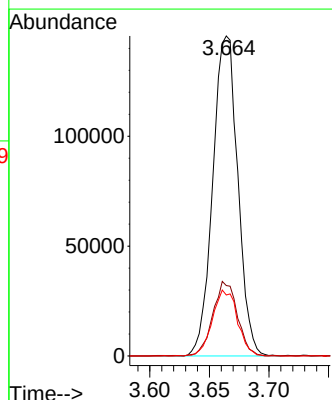
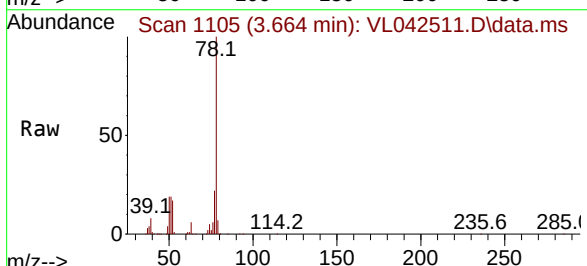
Tgt Ion: 78 Resp: 212511

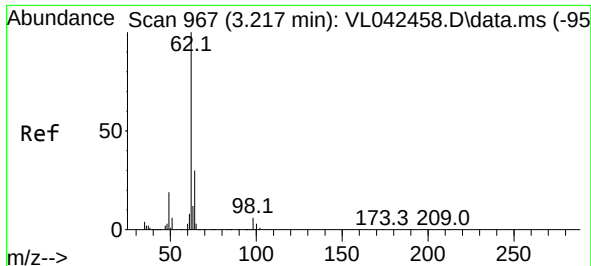
Ion Ratio Lower Upper

78 100

77 21.9 18.9 28.3

50 19.0 18.4 27.6





#37

1,2-Dichloroethane

Concen: 10.375 ppbv

RT: 3.224 min Scan# 9

Delta R.T. 0.007 min

Lab File: VL042511.D

Acq: 07 May 2025 11:06

Instrument :

MSVOA_1

ClientSampleId :

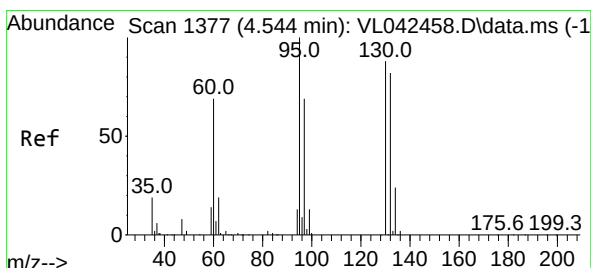
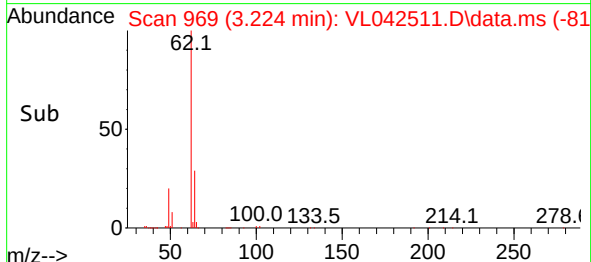
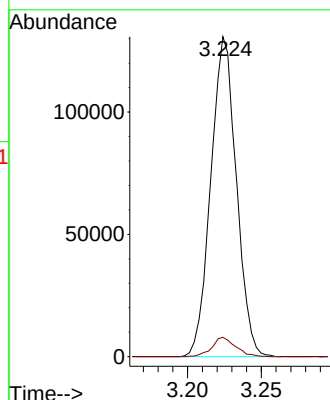
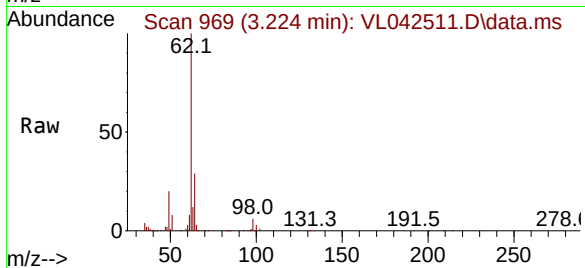
VL0507ABS01

Tgt Ion: 62 Resp: 157621

Ion Ratio Lower Upper

62 100

98 5.6 4.3 6.5



#38

Trichloroethene

Concen: 10.528 ppbv

RT: 4.557 min Scan# 1381

Delta R.T. 0.013 min

Lab File: VL042511.D

Acq: 07 May 2025 11:06

Tgt Ion:130 Resp: 79141

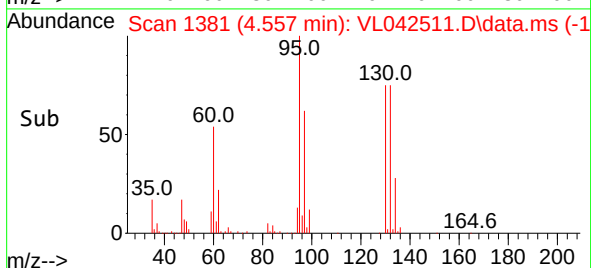
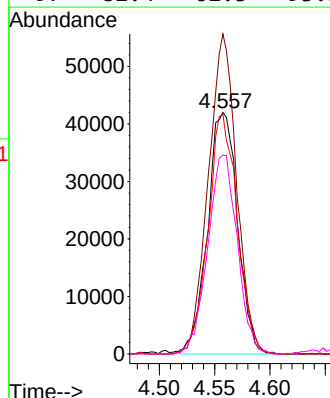
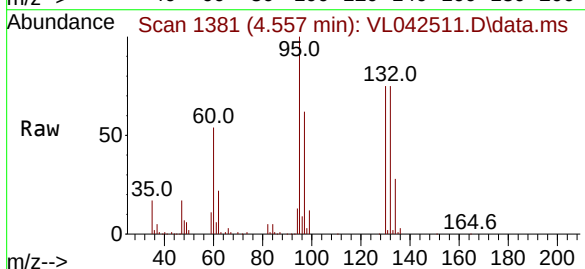
Ion Ratio Lower Upper

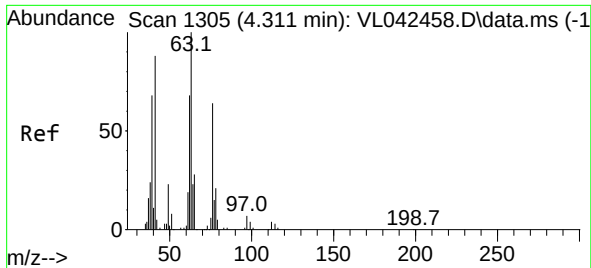
130 100

95 132.6 91.0 136.4

132 99.3 74.2 111.4

97 82.4 62.3 93.5





#39

1,2-Dichloropropane

Concen: 10.280 ppbv

RT: 4.324 min Scan# 11

Delta R.T. 0.013 min

Lab File: VL042511.D

Acq: 07 May 2025 11:06

Instrument :

MSVOA_L

ClientSampleId :

VL0507ABS01

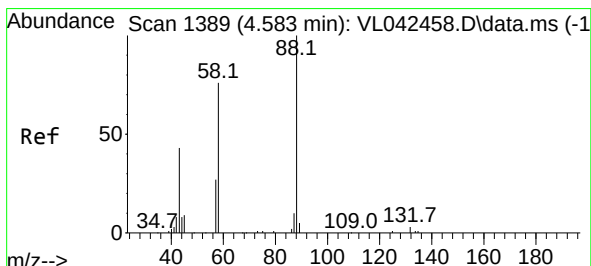
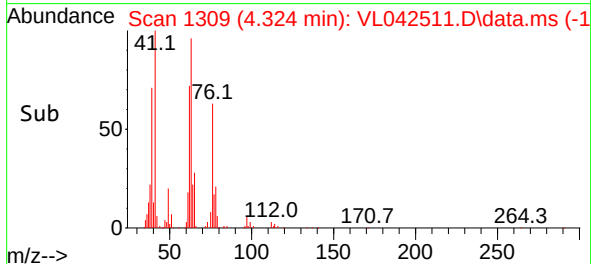
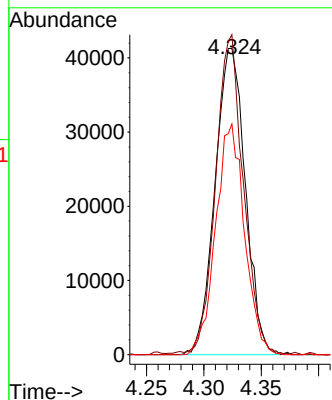
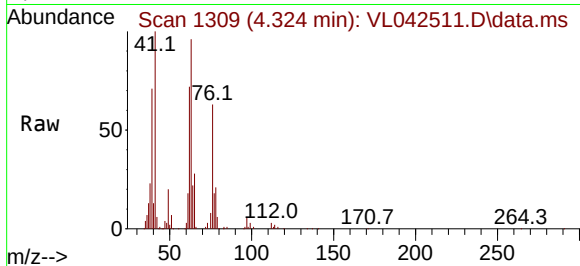
Tgt Ion: 63 Resp: 75860

Ion Ratio Lower Upper

63 100

41 103.7 69.8 104.6

62 75.3 54.3 81.5



#40

1,4-Dioxane

Concen: 9.662 ppbv

RT: 4.593 min Scan# 1392

Delta R.T. 0.010 min

Lab File: VL042511.D

Acq: 07 May 2025 11:06

Tgt Ion: 88 Resp: 33386

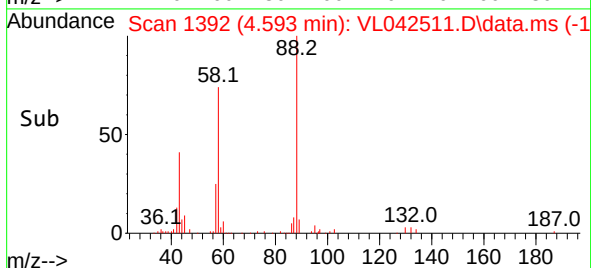
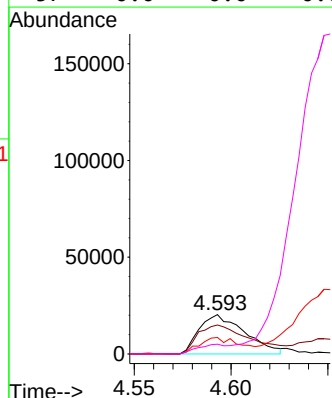
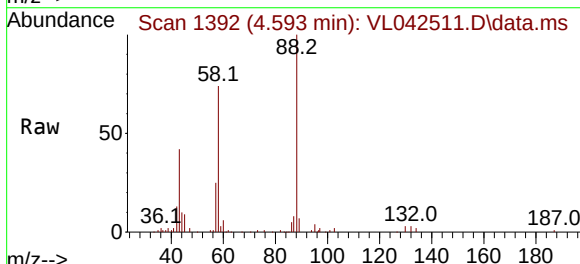
Ion Ratio Lower Upper

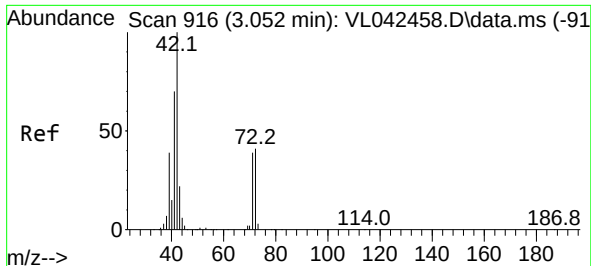
88 100

58 85.8 0.0 0.0#

43 36.1 0.0 0.0#

57 0.0 0.0 0.0

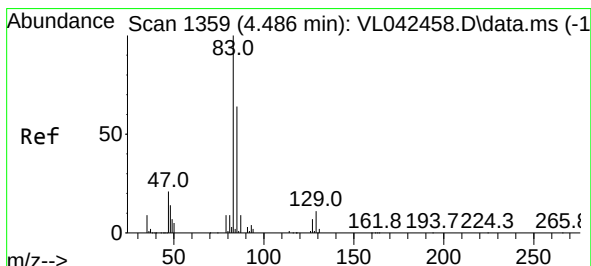
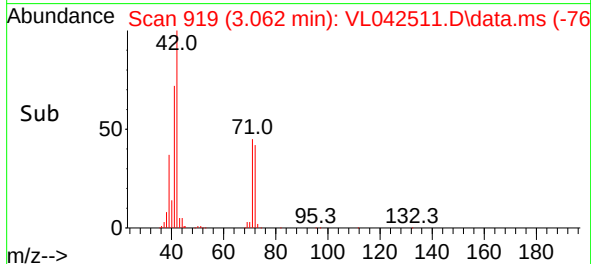
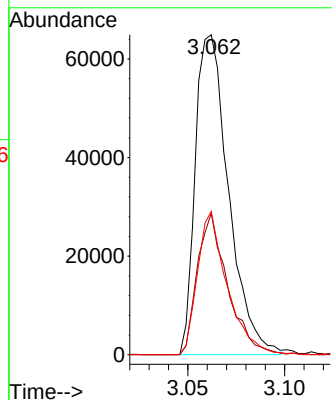
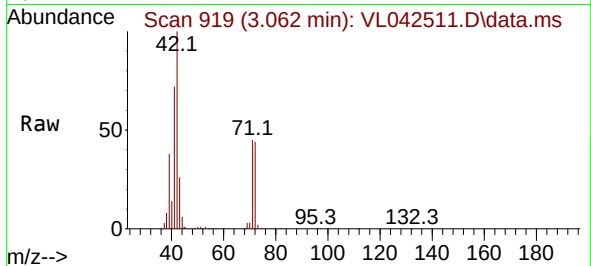




#41
Tetrahydrofuran
Concen: 10.818 ppbv
RT: 3.062 min Scan# 916
Delta R.T. 0.010 min
Lab File: VL042511.D
Acq: 07 May 2025 11:06

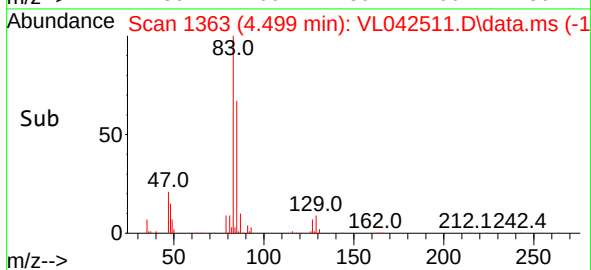
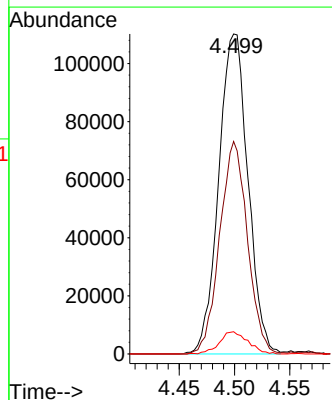
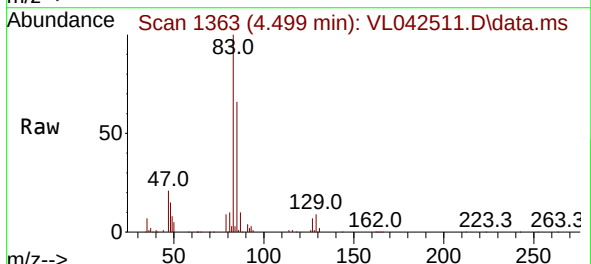
Instrument :
MSVOA_L
ClientSampleId :
VL0507ABS01

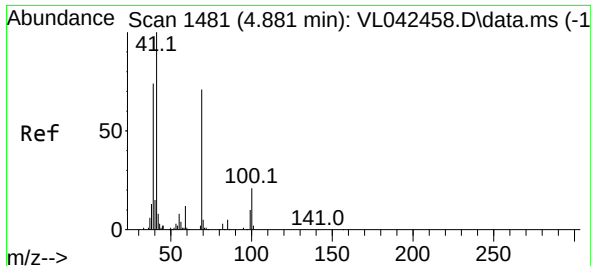
Tgt Ion: 42 Resp: 77674
Ion Ratio Lower Upper
42 100
72 40.3 33.5 50.3
71 40.3 32.6 49.0



#42
Bromodichloromethane
Concen: 10.920 ppbv
RT: 4.499 min Scan# 1363
Delta R.T. 0.013 min
Lab File: VL042511.D
Acq: 07 May 2025 11:06

Tgt Ion: 83 Resp: 202705
Ion Ratio Lower Upper
83 100
85 66.4 51.5 77.3
127 7.0 5.4 8.2

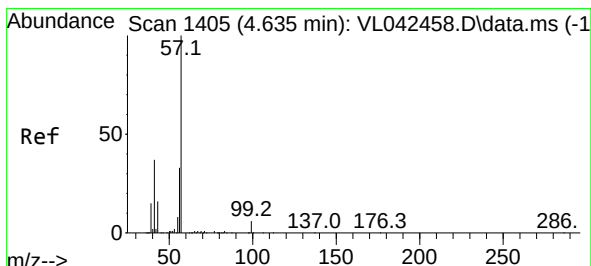
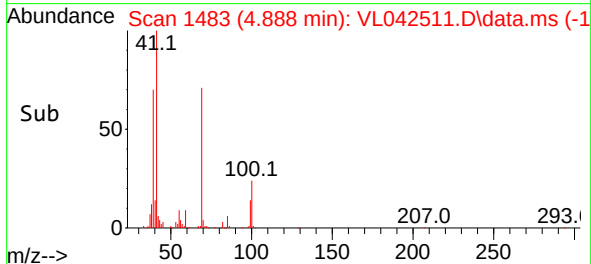
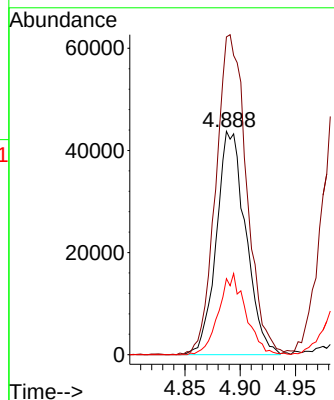
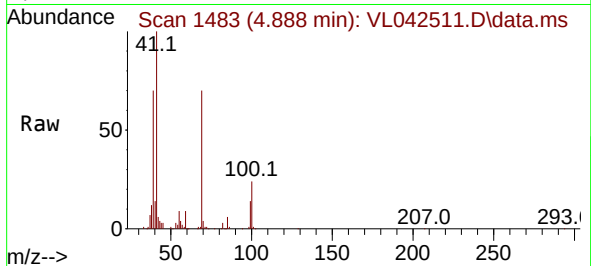




#43
Methyl Methacrylate
Concen: 10.983 ppbv
RT: 4.888 min Scan# 1483
Delta R.T. 0.007 min
Lab File: VL042511.D
Acq: 07 May 2025 11:06

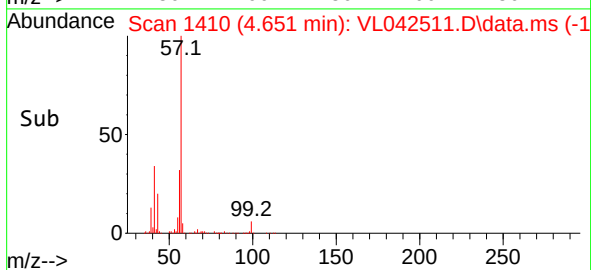
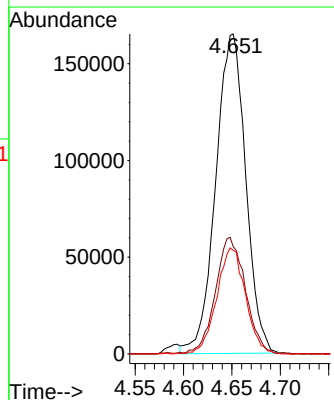
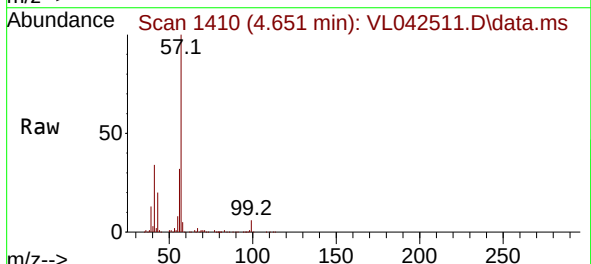
Instrument :
MSVOA_L
ClientSampleId :
VL0507ABS01

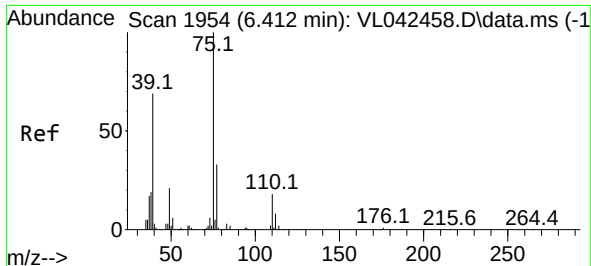
Tgt Ion: 69 Resp: 80789
Ion Ratio Lower Upper
69 100
41 149.8 120.8 181.2
100 33.6 26.7 40.1



#44
2,2,4-Trimethylpentane
Concen: 11.147 ppbv
RT: 4.651 min Scan# 1410
Delta R.T. 0.016 min
Lab File: VL042511.D
Acq: 07 May 2025 11:06

Tgt Ion: 57 Resp: 356173
Ion Ratio Lower Upper
57 100
41 36.9 30.6 45.8
56 31.9 25.0 37.6





#45

t-1,3-Dichloropropene

Concen: 11.164 ppbv

RT: 6.425 min Scan# 1954

Delta R.T. 0.013 min

Lab File: VL042511.D

Acq: 07 May 2025 11:06

Instrument :

MSVOA_L

ClientSampleId :

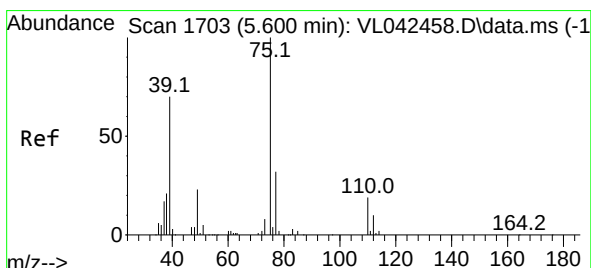
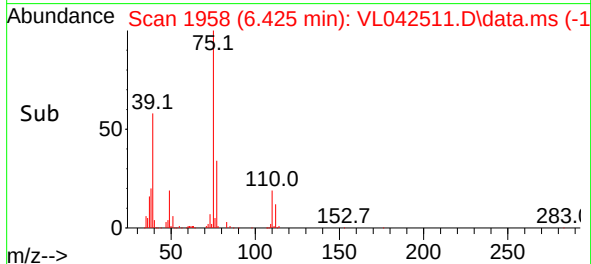
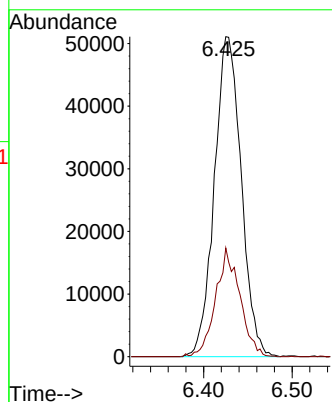
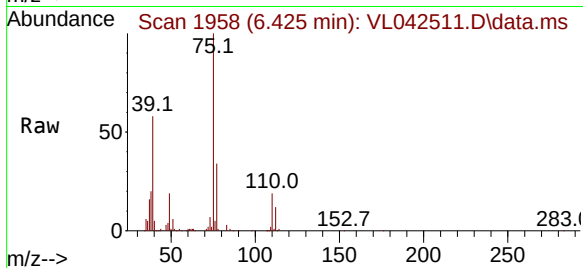
VL0507ABS01

Tgt Ion: 75 Resp: 107738

Ion Ratio Lower Upper

75 100

77 34.0 26.3 39.5



#46

cis-1,3-Dichloropropene

Concen: 10.677 ppbv

RT: 5.613 min Scan# 1707

Delta R.T. 0.013 min

Lab File: VL042511.D

Acq: 07 May 2025 11:06

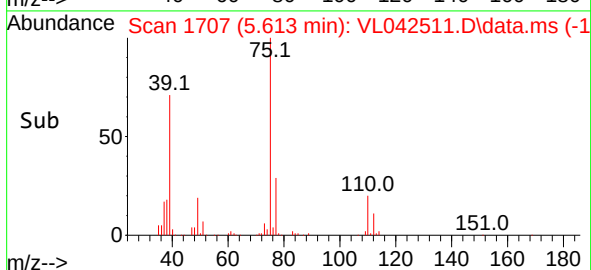
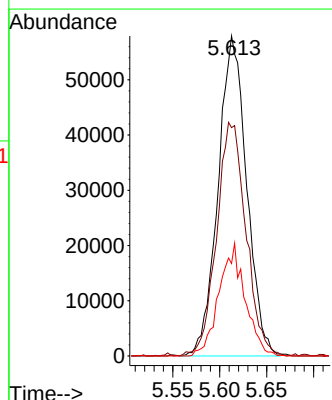
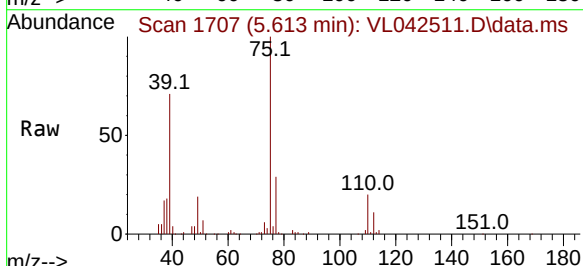
Tgt Ion: 75 Resp: 122464

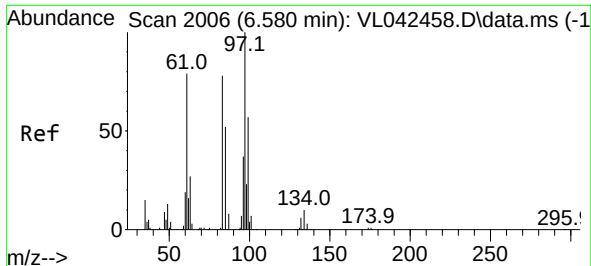
Ion Ratio Lower Upper

75 100

39 71.2 55.7 83.5

77 28.9 25.8 38.8

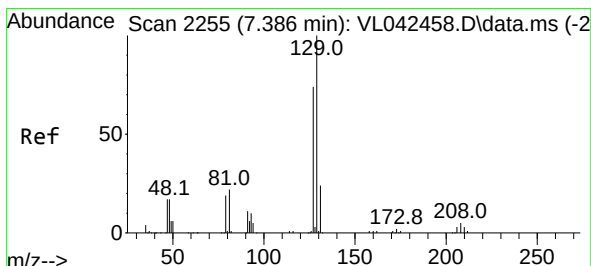
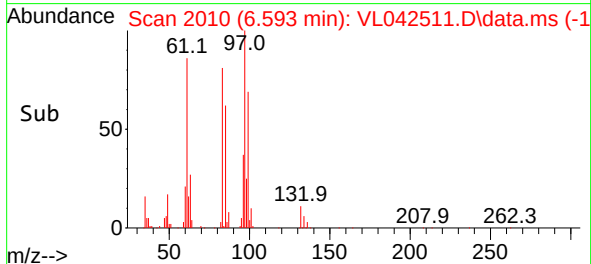
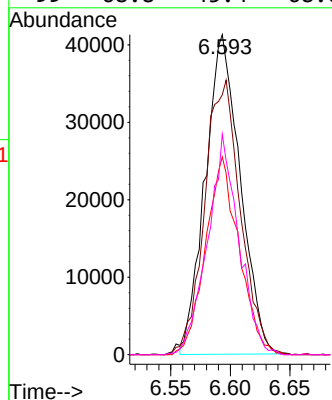
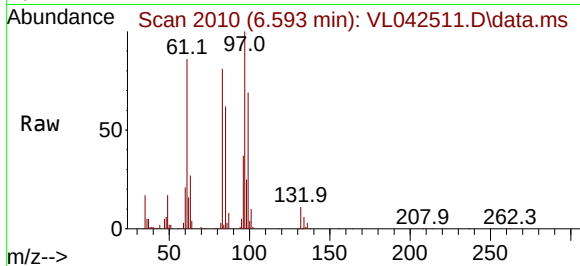




#47
1,1,2-Trichloroethane
Concen: 10.407 ppbv
RT: 6.593 min Scan# 2006
Delta R.T. 0.013 min
Lab File: VL042511.D
Acq: 07 May 2025 11:06

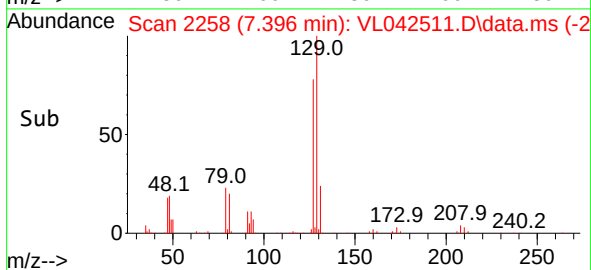
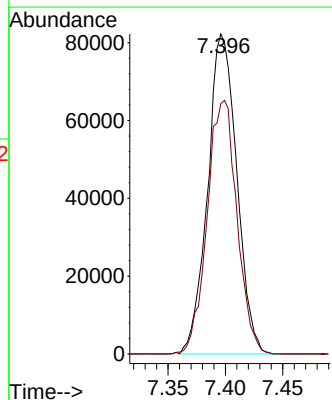
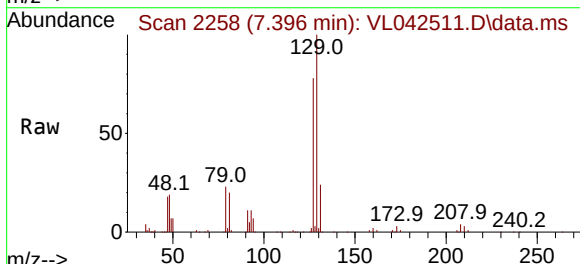
Instrument :
MSVOA_1
ClientSampleId :
VL0507ABS01

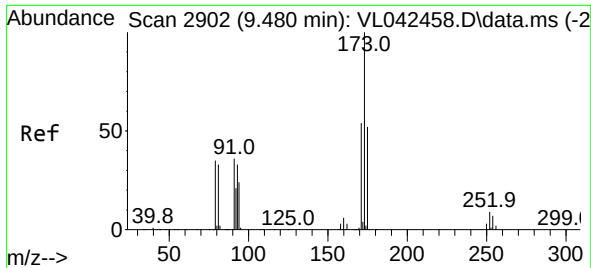
Tgt Ion:	97	Resp:	84225
Ion	Ratio	Lower	Upper
97	100		
83	80.5	62.2	93.2
85	61.3	41.5	62.3
99	68.8	45.4	68.0



#48
Dibromochloromethane
Concen: 10.623 ppbv
RT: 7.396 min Scan# 2258
Delta R.T. 0.010 min
Lab File: VL042511.D
Acq: 07 May 2025 11:06

Tgt Ion:	129	Resp:	145141
Ion	Ratio	Lower	Upper
129	100		
127	81.1	39.5	118.5





#49

Bromoform

Concen: 10.829 ppbv

RT: 9.490 min Scan# 2902

Delta R.T. 0.010 min

Lab File: VL042511.D

Acq: 07 May 2025 11:06

Instrument :

MSVOA_1

ClientSampleId :

VL0507ABS01

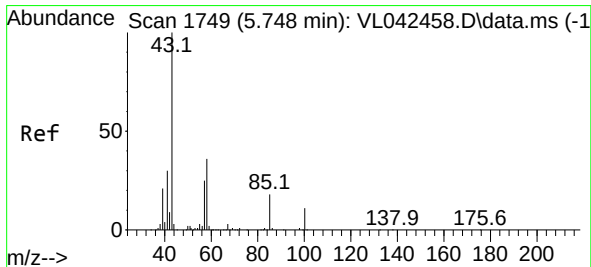
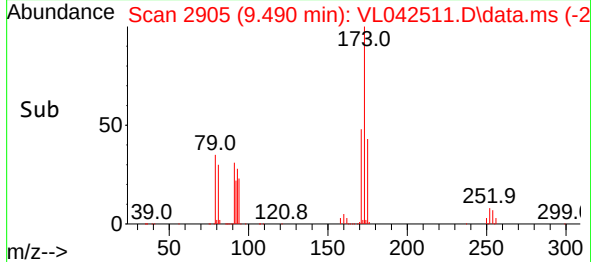
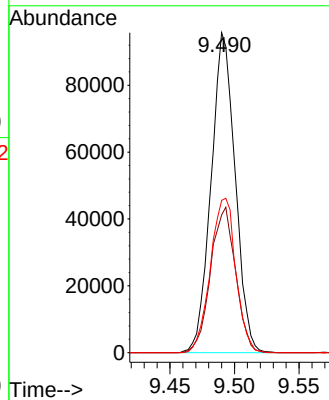
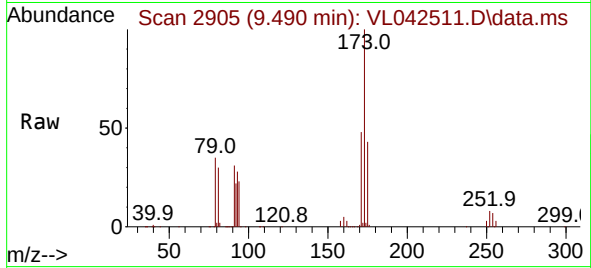
Tgt Ion:173 Resp: 124085

Ion Ratio Lower Upper

173 100

175 47.3 38.9 58.3

171 50.9 40.6 60.8



#50

4-Methyl-2-Pentanone

Concen: 10.861 ppbv

RT: 5.765 min Scan# 1754

Delta R.T. 0.016 min

Lab File: VL042511.D

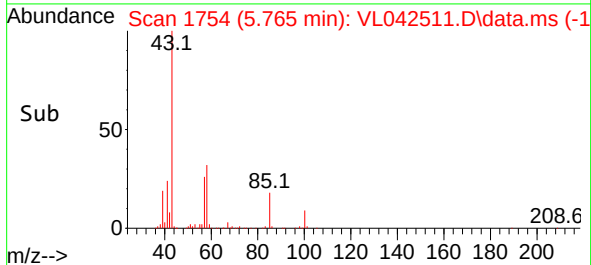
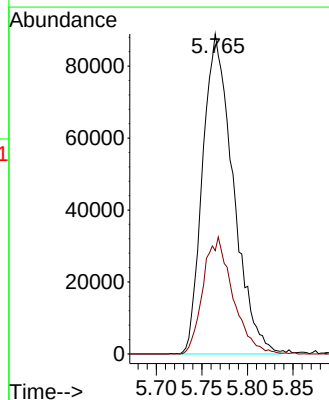
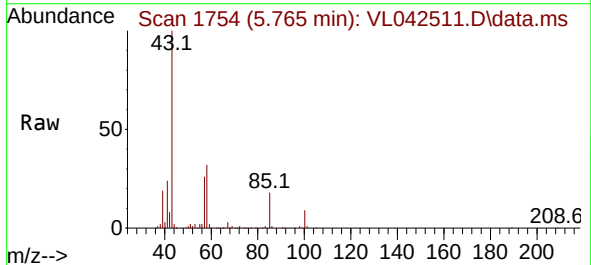
Acq: 07 May 2025 11:06

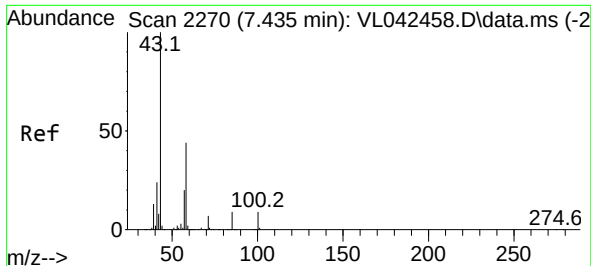
Tgt Ion: 43 Resp: 207560

Ion Ratio Lower Upper

43 100

58 35.7 29.5 44.3

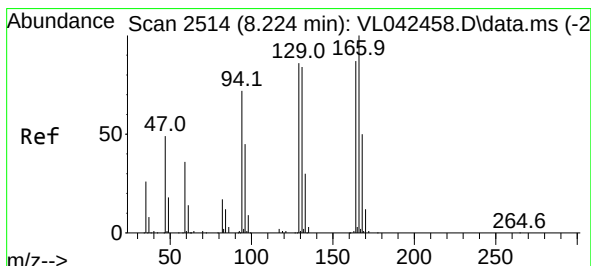
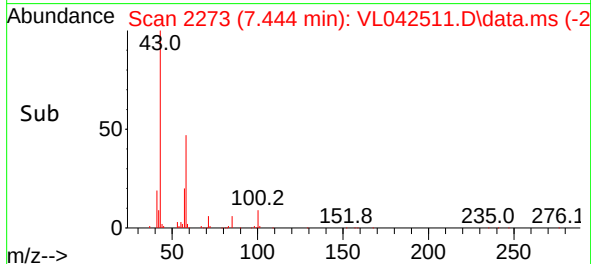
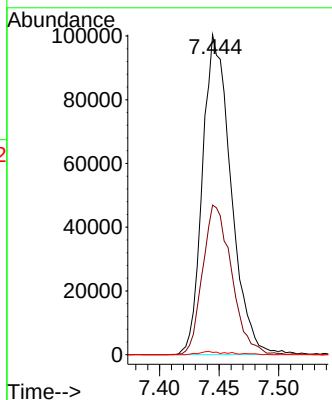
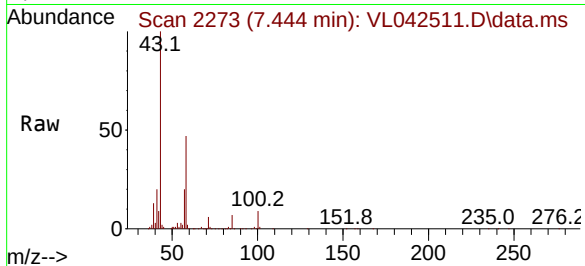




#51
2-Hexanone
Concen: 10.916 ppbv
RT: 7.444 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL042511.D
Acq: 07 May 2025 11:06

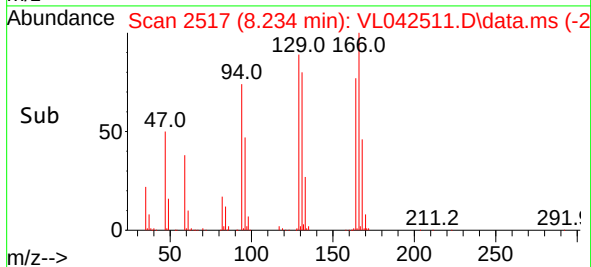
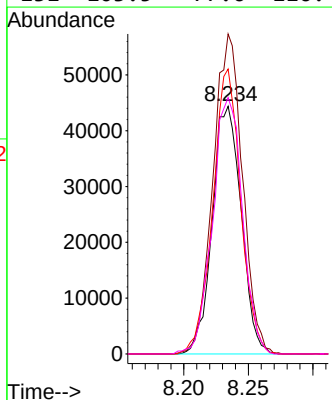
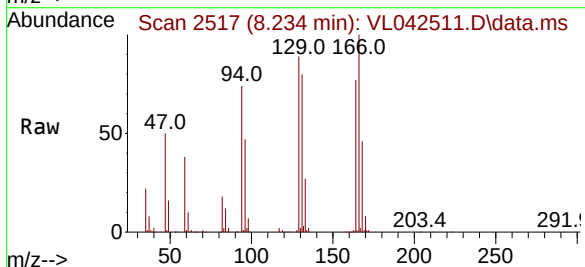
Instrument :
MSVOA_L
ClientSampleId :
VL0507ABS01

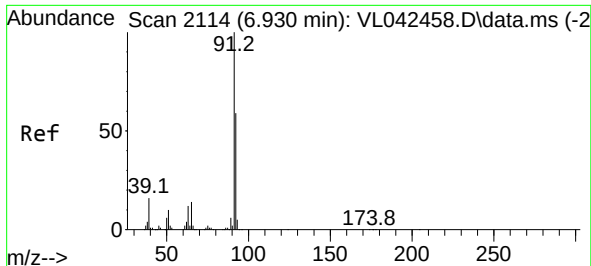
Tgt Ion: 43 Resp: 166786
Ion Ratio Lower Upper
43 100
58 47.7 37.2 55.8
98 1.0 0.4 0.6#



#52
Tetrachloroethene
Concen: 9.226 ppbv
RT: 8.234 min Scan# 2517
Delta R.T. 0.010 min
Lab File: VL042511.D
Acq: 07 May 2025 11:06

Tgt Ion: 164 Resp: 69218
Ion Ratio Lower Upper
164 100
166 128.9 91.6 137.4
129 115.1 79.0 118.4
131 103.5 77.6 116.4

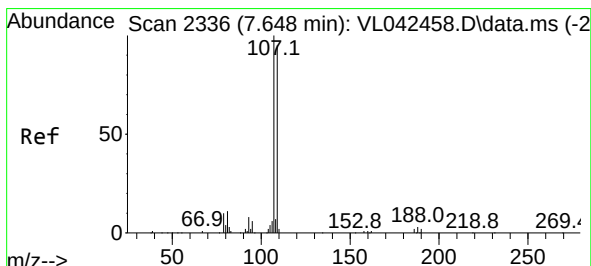
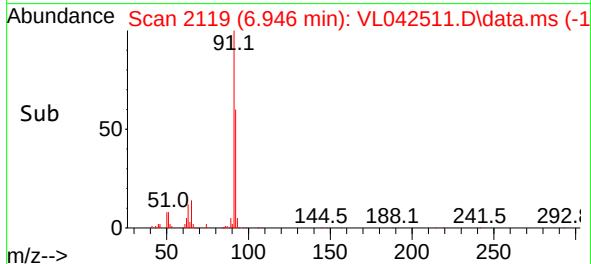
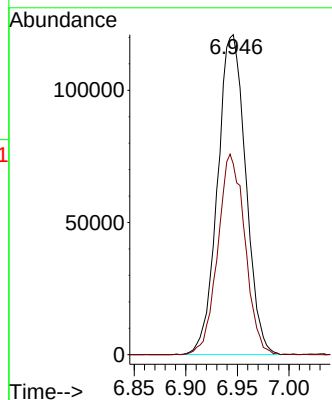
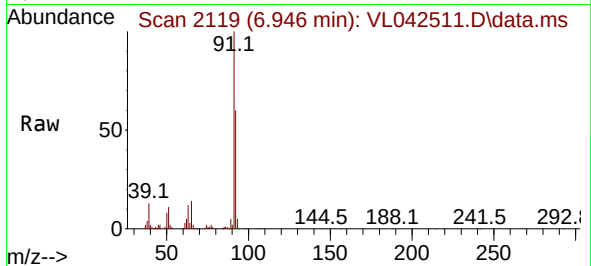




#53
Toluene
Concen: 10.998 ppbv
RT: 6.946 min Scan# 2114
Delta R.T. 0.016 min
Lab File: VL042511.D
Acq: 07 May 2025 11:06

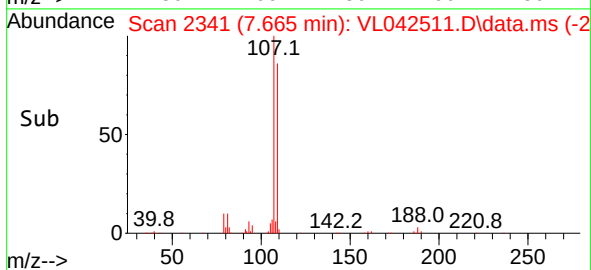
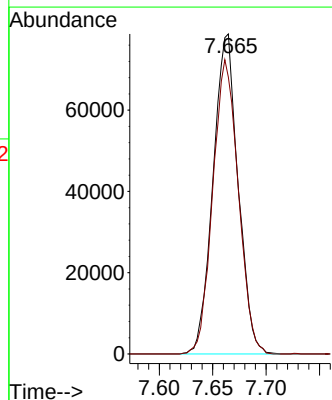
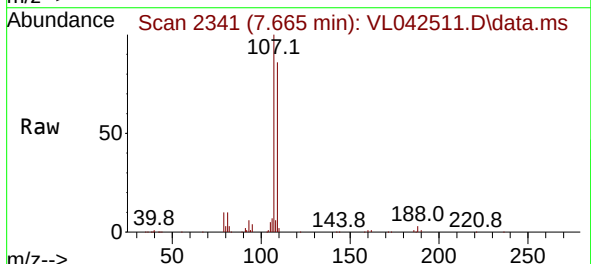
Instrument :
MSVOA_L
ClientSampleId :
VL0507ABS01

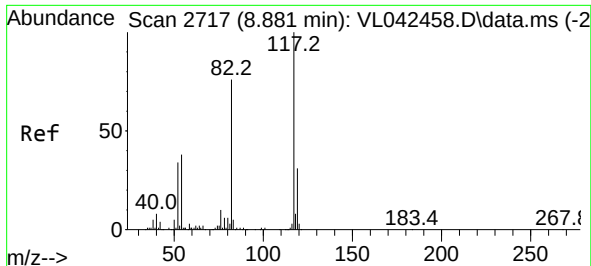
Tgt Ion: 91 Resp: 229456
Ion Ratio Lower Upper
91 100
92 60.6 47.9 71.9



#54
1,2-Dibromoethane
Concen: 10.394 ppbv
RT: 7.665 min Scan# 2341
Delta R.T. 0.016 min
Lab File: VL042511.D
Acq: 07 May 2025 11:06

Tgt Ion: 107 Resp: 128612
Ion Ratio Lower Upper
107 100
109 86.5 76.0 114.0

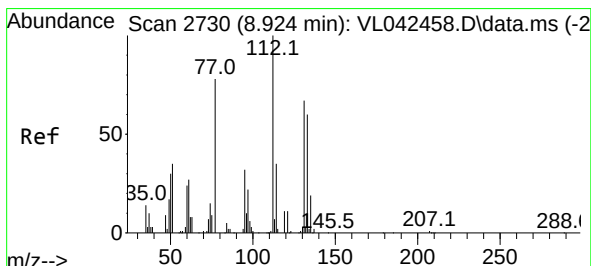
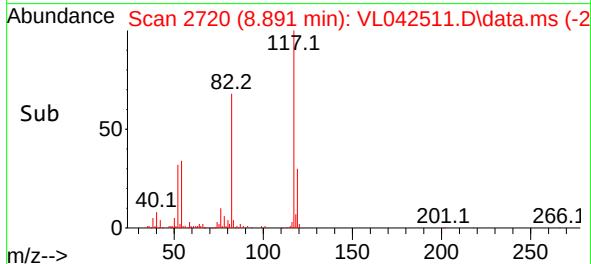
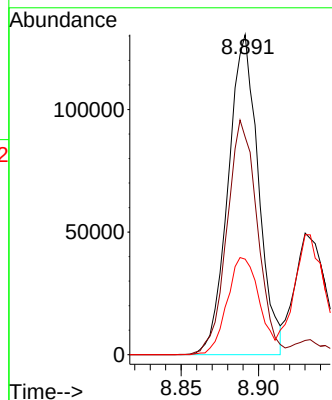
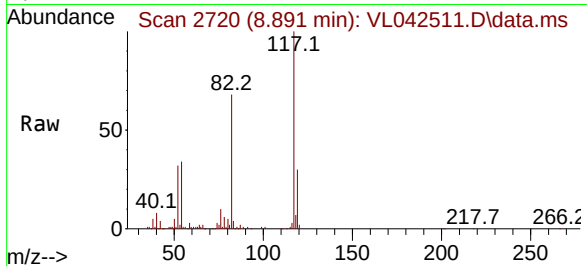




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.891 min Scan# 2717
Delta R.T. 0.010 min
Lab File: VL042511.D
Acq: 07 May 2025 11:06

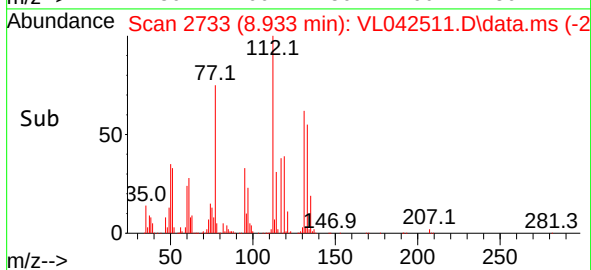
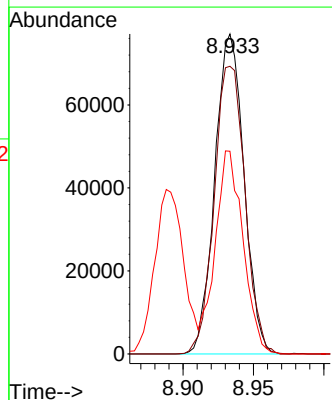
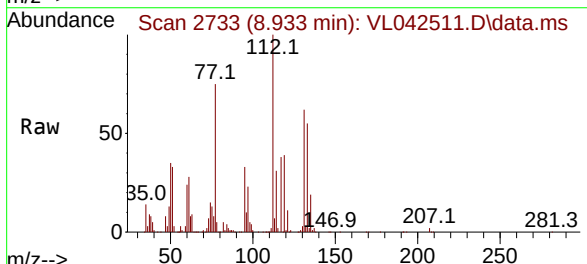
Instrument :
MSVOA_1
ClientSampleId :
VL0507ABS01

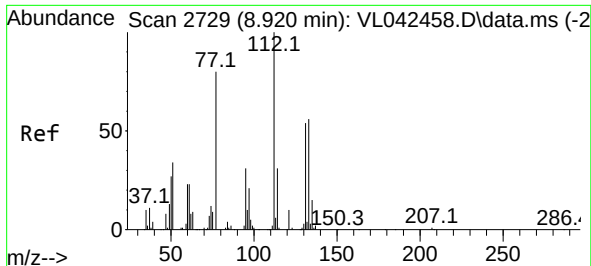
Tgt Ion:117 Resp: 176956
Ion Ratio Lower Upper
117 100
82 78.6 63.5 95.3
119 31.7 25.8 38.8



#56
1,1,1,2-Tetrachloroethane
Concen: 10.655 ppbv
RT: 8.933 min Scan# 2733
Delta R.T. 0.010 min
Lab File: VL042511.D
Acq: 07 May 2025 11:06

Tgt Ion:131 Resp: 111354
Ion Ratio Lower Upper
131 100
133 94.7 76.0 114.0
119 61.7 46.1 69.1

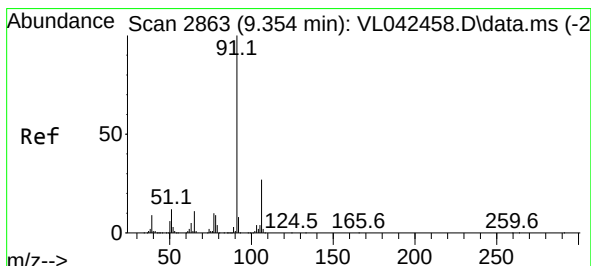
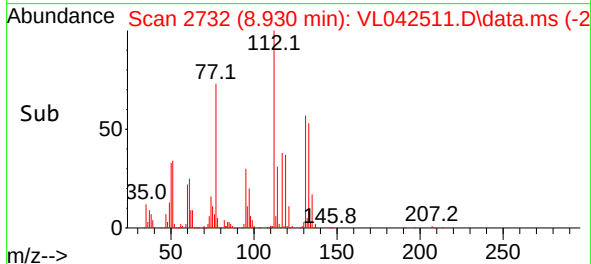
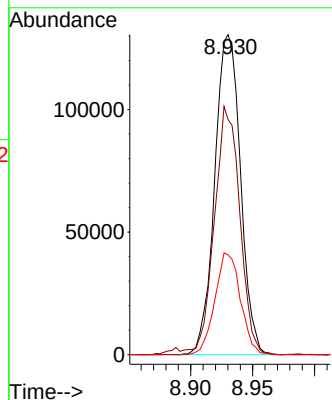
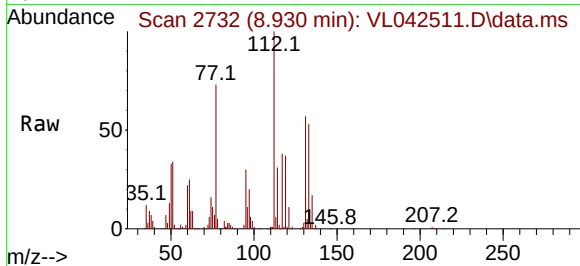




#57
Chlorobenzene
Concen: 10.652 ppbv
RT: 8.930 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL042511.D
Acq: 07 May 2025 11:06

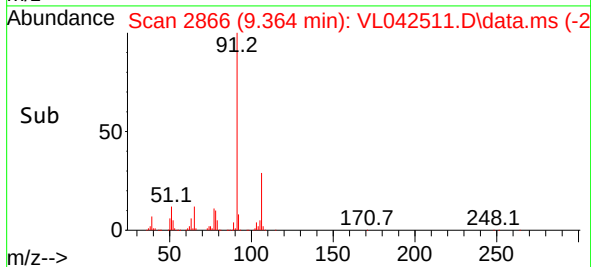
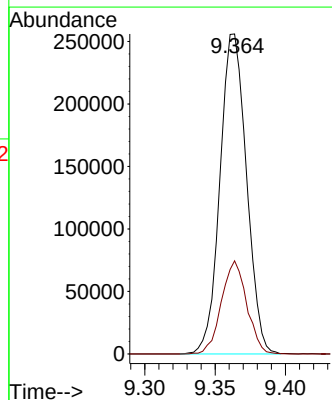
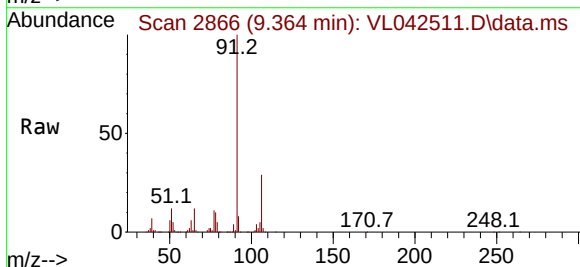
Instrument :
MSVOA_L
ClientSampleId :
VL0507ABS01

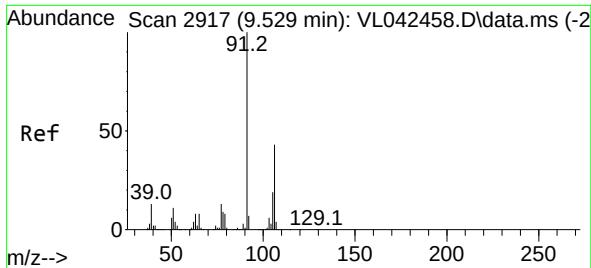
Tgt Ion:112 Resp: 189405
Ion Ratio Lower Upper
112 100
77 73.5 65.0 97.4
114 31.2 27.5 33.7



#58
Ethyl Benzene
Concen: 11.373 ppbv
RT: 9.364 min Scan# 2866
Delta R.T. 0.010 min
Lab File: VL042511.D
Acq: 07 May 2025 11:06

Tgt Ion: 91 Resp: 336319
Ion Ratio Lower Upper
91 100
106 29.1 21.9 32.9

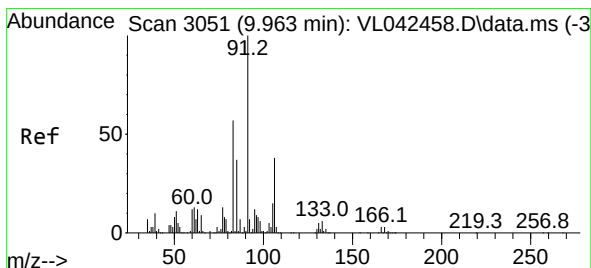
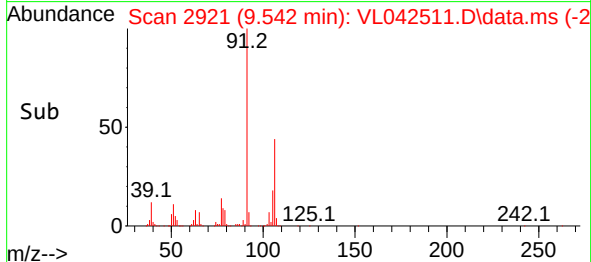
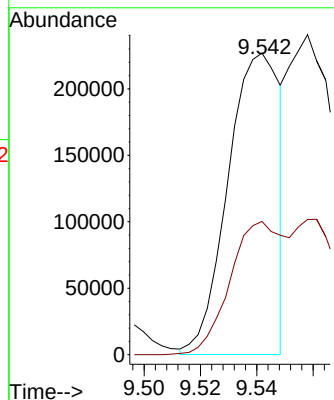
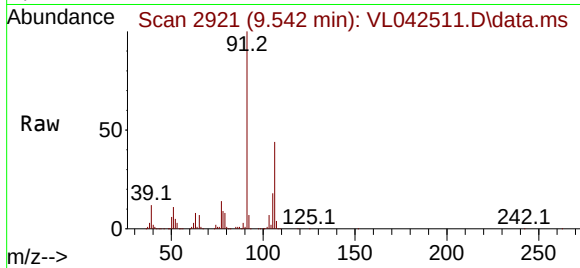




#59
m/p-Xylene
Concen: 11.673 ppbv
RT: 9.542 min Scan# 2917
Delta R.T. 0.013 min
Lab File: VL042511.D
Acq: 07 May 2025 11:06

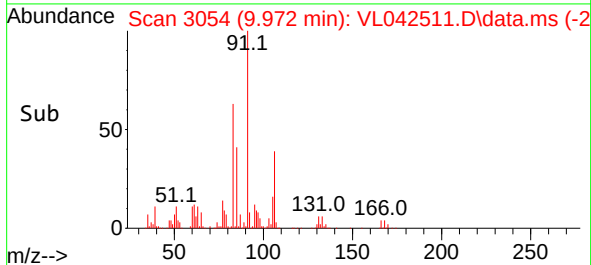
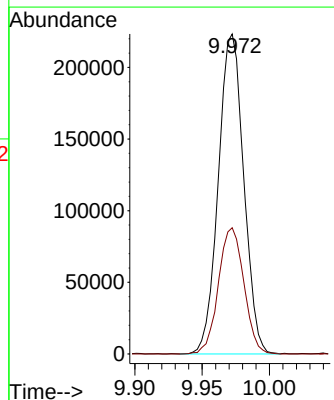
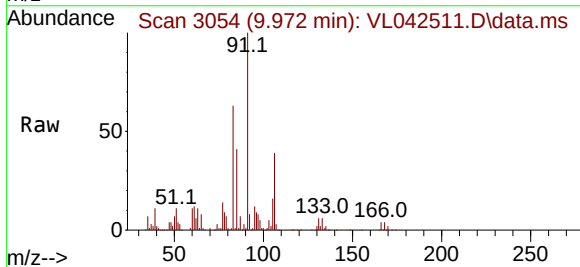
Instrument :
MSVOA_1
ClientSampleId :
VL0507ABS01

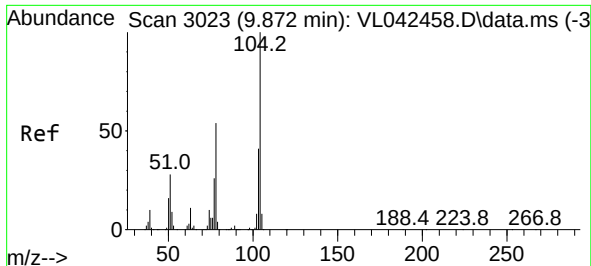
Tgt Ion: 91 Resp: 289380
Ion Ratio Lower Upper
91 100
106 0.0 34.2 51.2#



#60
o-Xylene
Concen: 11.794 ppbv
RT: 9.972 min Scan# 3054
Delta R.T. 0.010 min
Lab File: VL042511.D
Acq: 07 May 2025 11:06

Tgt Ion: 91 Resp: 292756
Ion Ratio Lower Upper
91 100
106 39.5 20.1 60.2

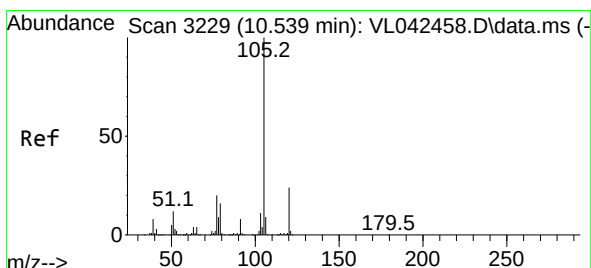
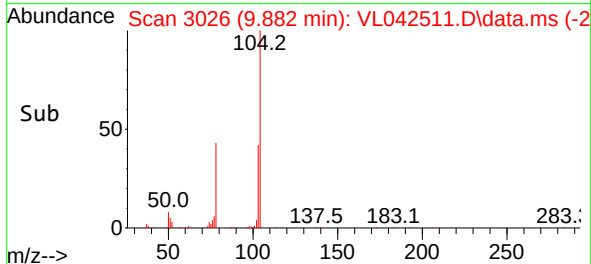
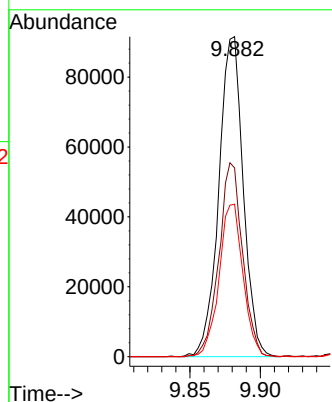
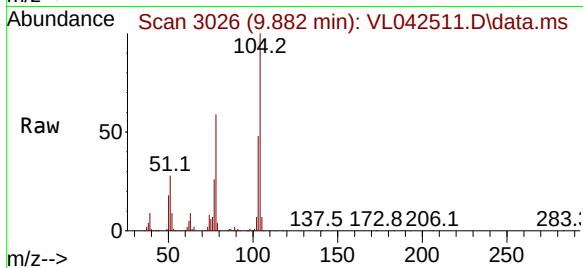




#61
Styrene
Concen: 11.962 ppbv
RT: 9.882 min Scan# 3026
Delta R.T. 0.010 min
Lab File: VL042511.D
Acq: 07 May 2025 11:06

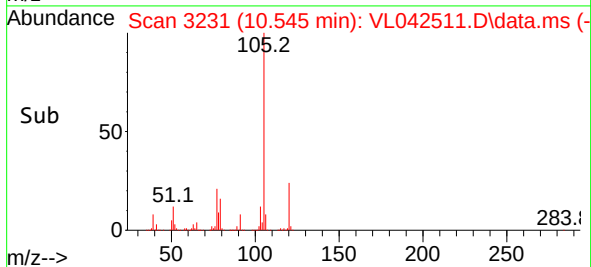
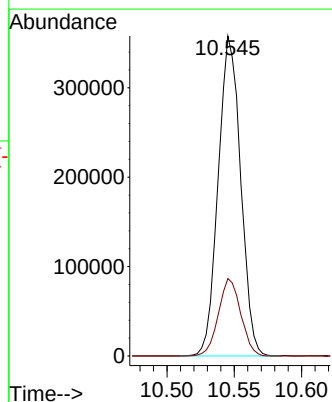
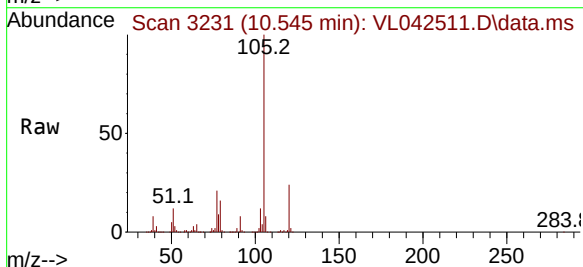
Instrument :
MSVOA_L
ClientSampleId :
VL0507ABS01

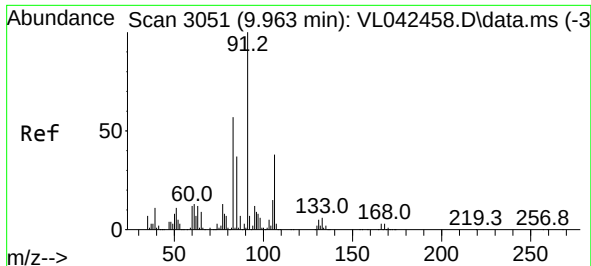
Tgt Ion:104 Resp: 110807
Ion Ratio Lower Upper
104 100
78 58.7 46.9 70.3
103 46.9 36.6 55.0



#62
Isopropylbenzene
Concen: 11.575 ppbv
RT: 10.545 min Scan# 3231
Delta R.T. 0.007 min
Lab File: VL042511.D
Acq: 07 May 2025 11:06

Tgt Ion:105 Resp: 414427
Ion Ratio Lower Upper
105 100
120 24.0 18.8 28.2

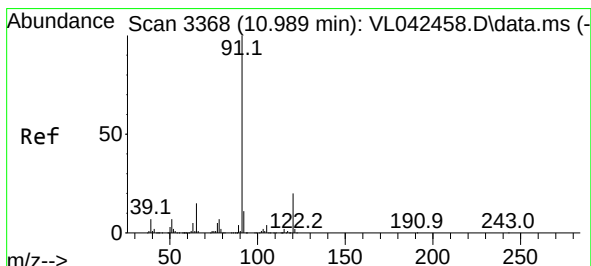
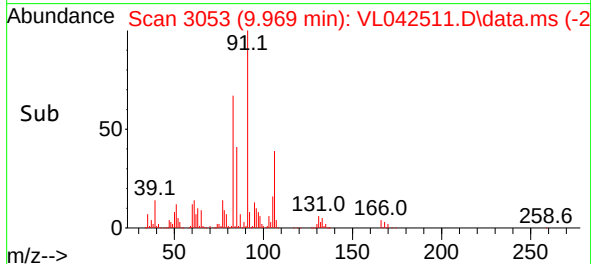
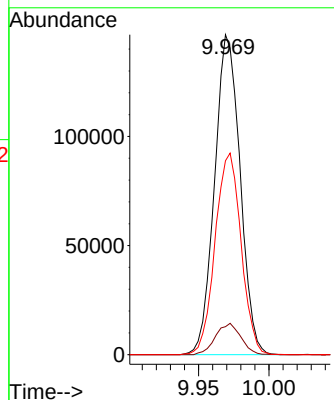
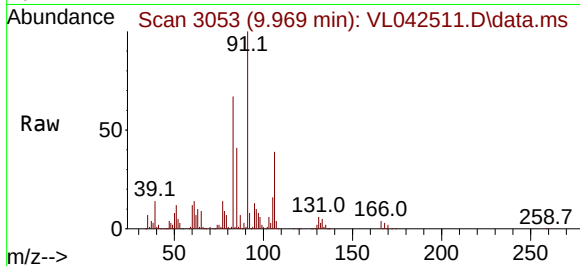




#63
 1,1,2,2-Tetrachloroethane
 Concen: 10.814 ppbv
 RT: 9.969 min Scan# 3051
 Delta R.T. 0.007 min
 Lab File: VL042511.D
 Acq: 07 May 2025 11:06

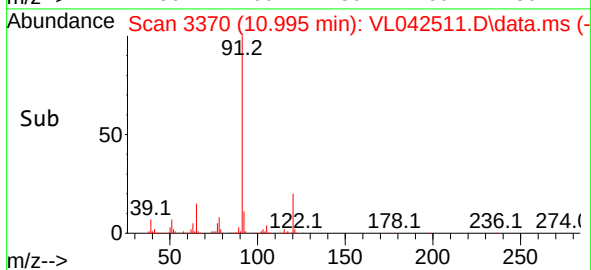
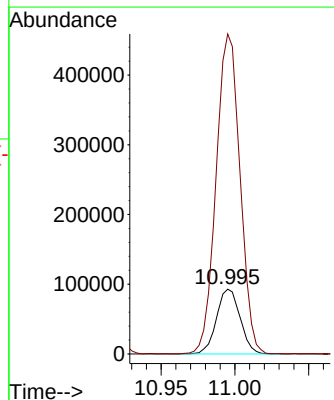
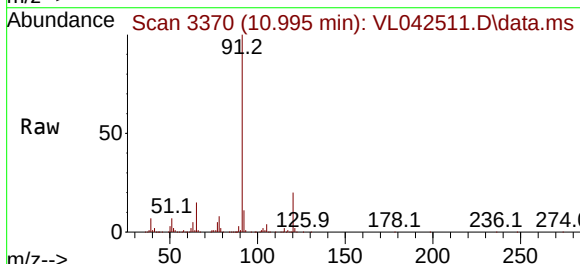
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0507ABS01

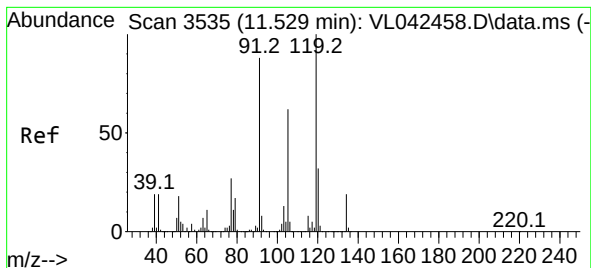
Tgt Ion: 83 Resp: 185060
 Ion Ratio Lower Upper
 83 100
 131 9.7 4.7 14.1
 85 64.0 32.5 97.4



#64
 n-propylbenzene
 Concen: 11.792 ppbv
 RT: 10.995 min Scan# 3370
 Delta R.T. 0.007 min
 Lab File: VL042511.D
 Acq: 07 May 2025 11:06

Tgt Ion: 120 Resp: 103184
 Ion Ratio Lower Upper
 120 100
 91 501.8 408.6 612.8





#65

tert-Butylbenzene

Concen: 11.569 ppbv

RT: 11.539 min Scan# 3535

Delta R.T. 0.010 min

Lab File: VL042511.D

Acq: 07 May 2025 11:06

Instrument :

MSVOA_L

ClientSampleId :

VL0507ABS01

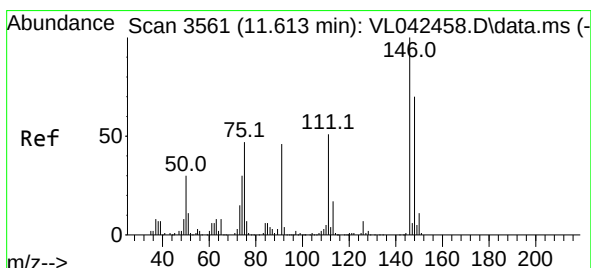
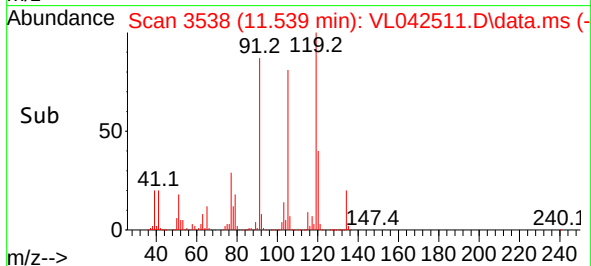
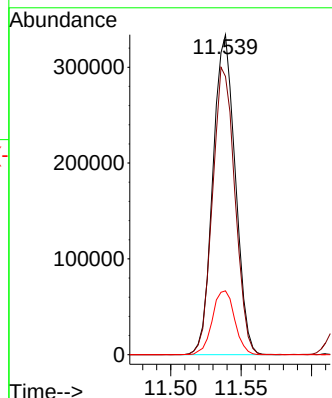
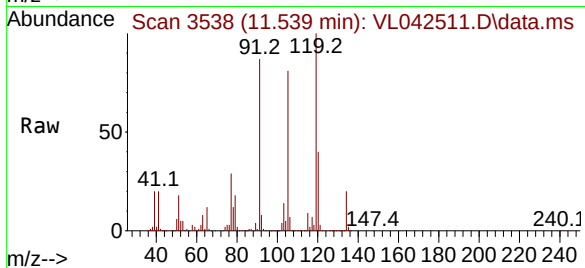
Tgt Ion:119 Resp: 369640

Ion Ratio Lower Upper

119 100

91 89.9 71.6 107.4

134 20.0 15.0 22.4



#66

Benzyl Chloride

Concen: 13.261 ppbv

RT: 11.620 min Scan# 3563

Delta R.T. 0.007 min

Lab File: VL042511.D

Acq: 07 May 2025 11:06

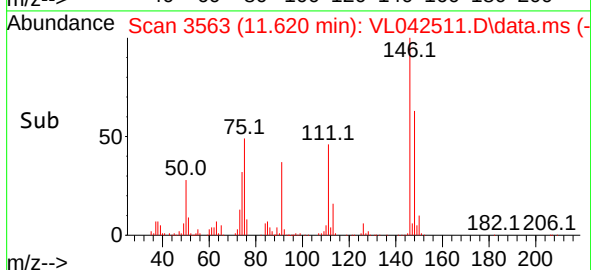
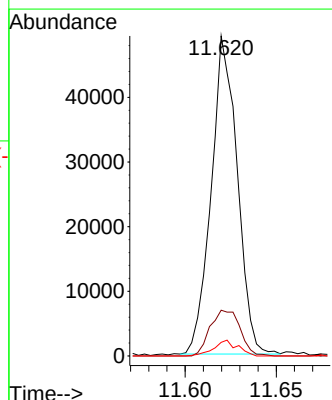
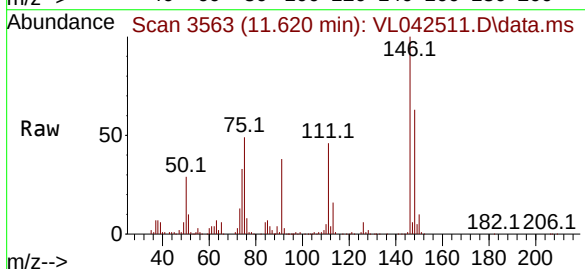
Tgt Ion: 91 Resp: 48974

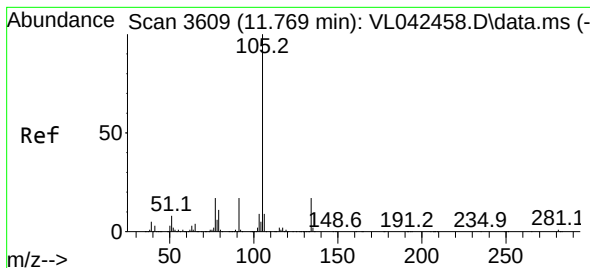
Ion Ratio Lower Upper

91 100

126 16.6 13.3 19.9

128 4.5 4.2 6.4





#67

sec-Butylbenzene

Concen: 11.582 ppbv

RT: 11.772 min Scan# 30

Delta R.T. 0.003 min

Lab File: VL042511.D

Acq: 07 May 2025 11:06

Instrument :

MSVOA_1

ClientSampleId :

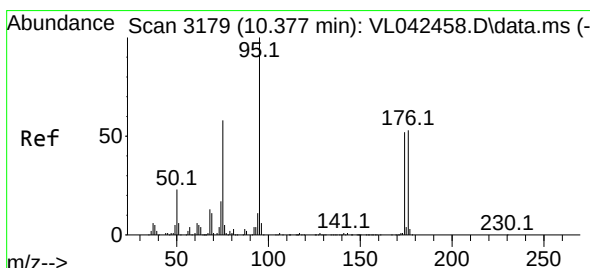
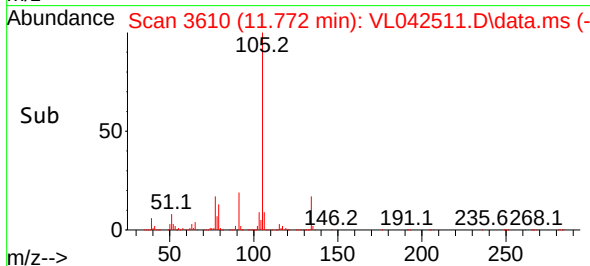
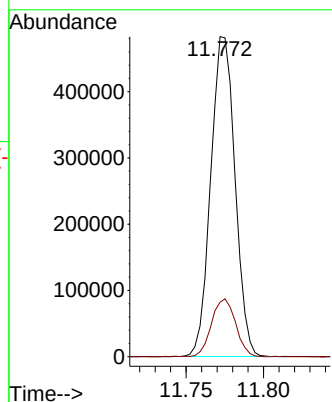
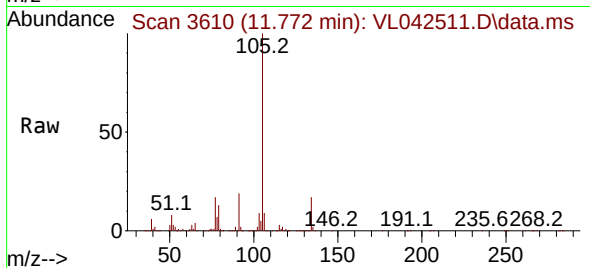
VL0507ABS01

Tgt Ion:105 Resp: 525917

Ion Ratio Lower Upper

105 100

134 18.0 14.1 21.1



#68

1-Bromo-4-Fluorobenzene

Concen: 10.183 ppbv

RT: 10.383 min Scan# 3181

Delta R.T. 0.007 min

Lab File: VL042511.D

Acq: 07 May 2025 11:06

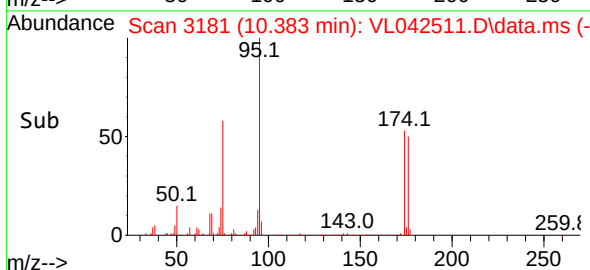
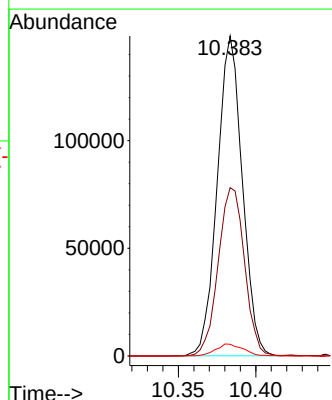
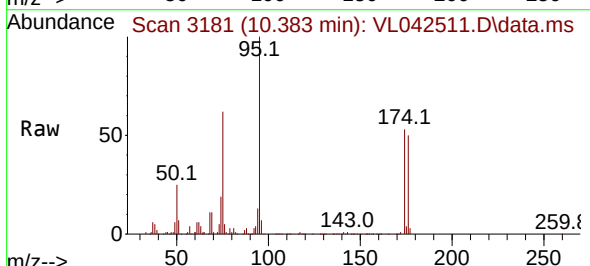
Tgt Ion: 95 Resp: 167060

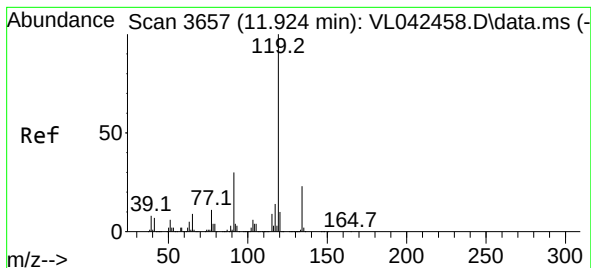
Ion Ratio Lower Upper

95 100

174 55.3 42.7 64.1

175 4.1 3.6 5.4





#69

p-Isopropyltoluene

Concen: 11.645 ppbv

RT: 11.930 min Scan# 3659

Delta R.T. 0.007 min

Lab File: VL042511.D

Acq: 07 May 2025 11:06

Instrument :

MSVOA_1

ClientSampleId :

VL0507ABS01

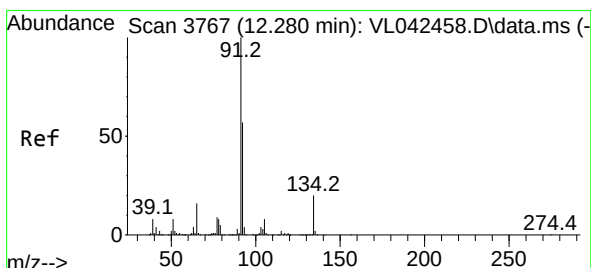
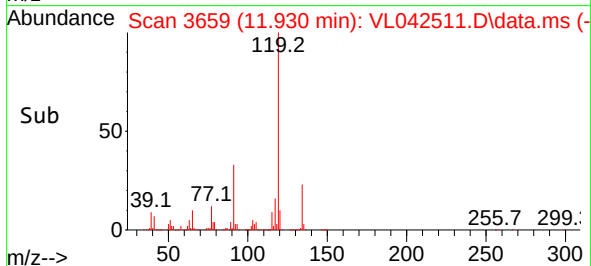
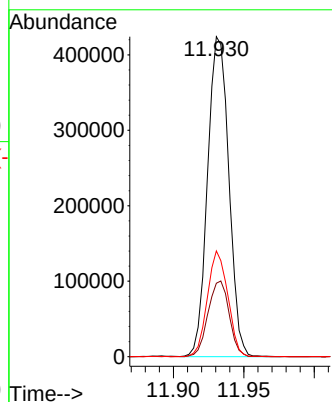
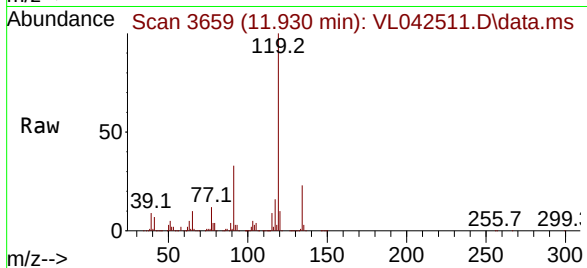
Tgt Ion:119 Resp: 445496

Ion Ratio Lower Upper

119 100

134 23.6 19.0 28.4

91 32.0 25.5 38.3



#70

n-Butylbenzene

Concen: 11.676 ppbv

RT: 12.287 min Scan# 3769

Delta R.T. 0.007 min

Lab File: VL042511.D

Acq: 07 May 2025 11:06

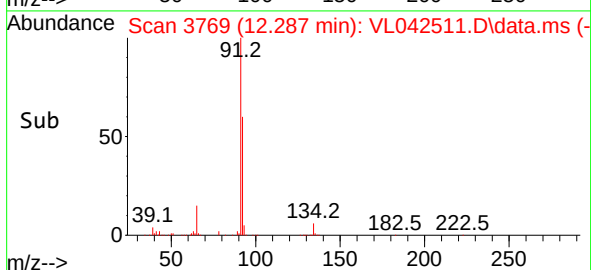
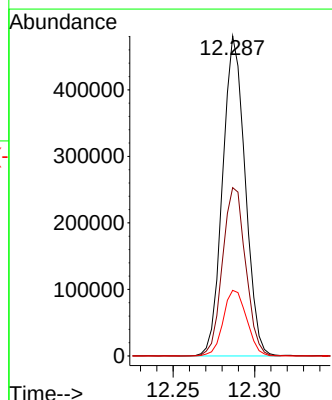
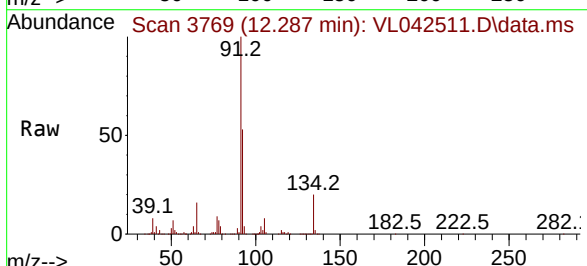
Tgt Ion: 91 Resp: 461764

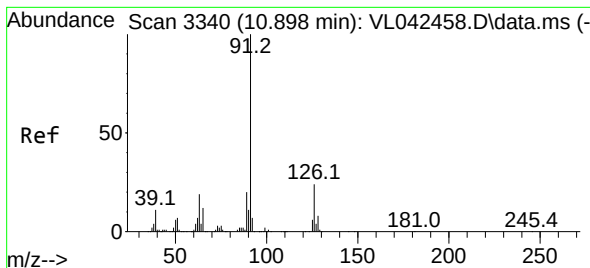
Ion Ratio Lower Upper

91 100

92 54.2 44.0 66.0

134 21.4 16.8 25.2





#71

2-Chlorotoluene

Concen: 11.532 ppbv

RT: 10.908 min Scan# 31

Delta R.T. 0.010 min

Lab File: VL042511.D

Acq: 07 May 2025 11:06

Instrument :

MSVOA_L

ClientSampleId :

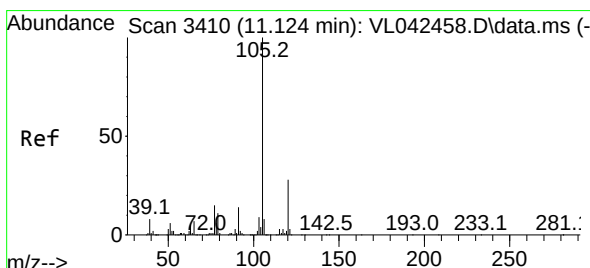
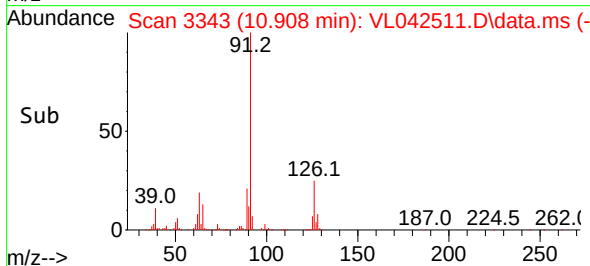
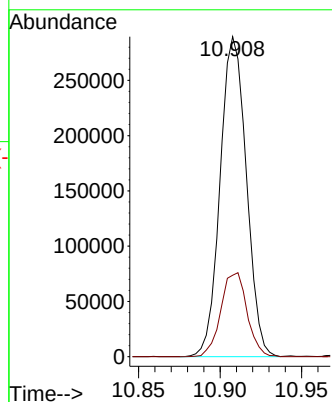
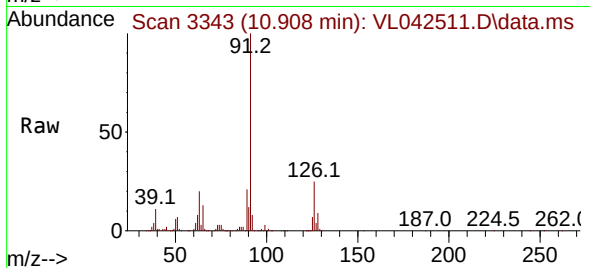
VL0507ABS01

Tgt Ion: 91 Resp: 323858

Ion Ratio Lower Upper

91 100

126 26.3 10.6 42.2



#72

4-Ethyltoluene

Concen: 12.091 ppbv

RT: 11.131 min Scan# 3412

Delta R.T. 0.007 min

Lab File: VL042511.D

Acq: 07 May 2025 11:06

Tgt Ion: 105 Resp: 353861

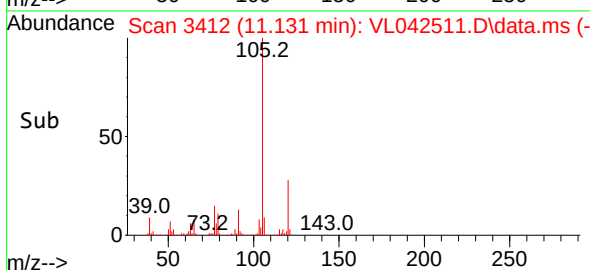
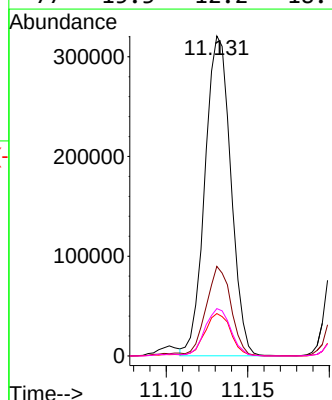
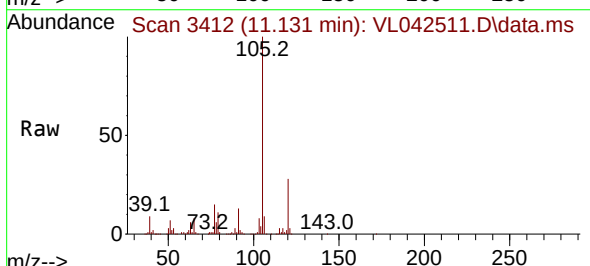
Ion Ratio Lower Upper

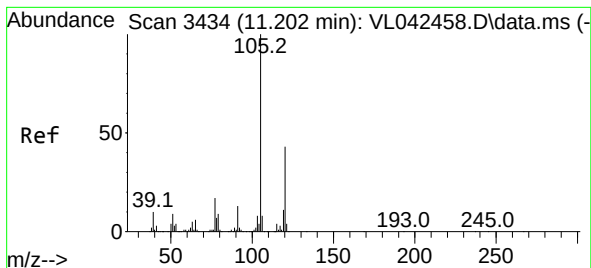
105 100

120 27.6 22.0 33.0

91 13.6 11.2 16.8

77 15.3 12.2 18.4





#73

1,3,5-Trimethylbenzene

Concen: 11.751 ppbv

RT: 11.212 min Scan# 3437

Delta R.T. 0.010 min

Lab File: VL042511.D

Acq: 07 May 2025 11:06

Instrument :

MSVOA_L

ClientSampleId :

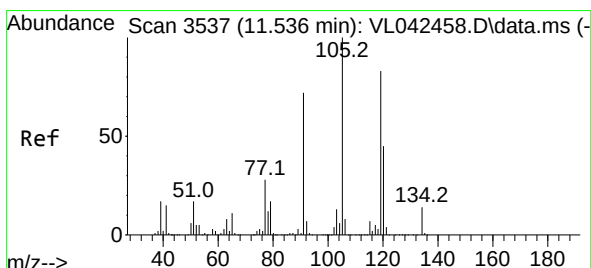
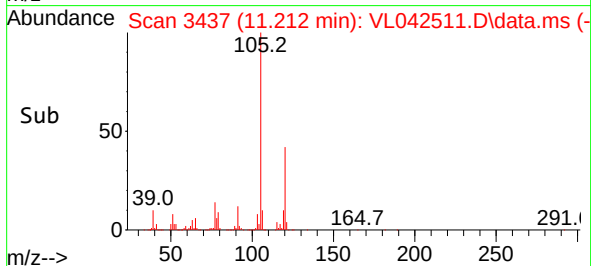
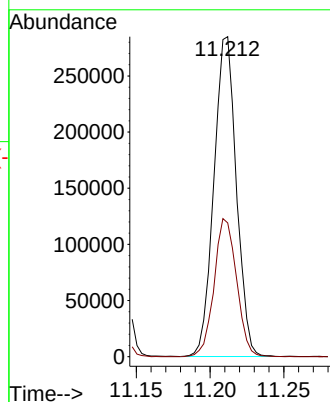
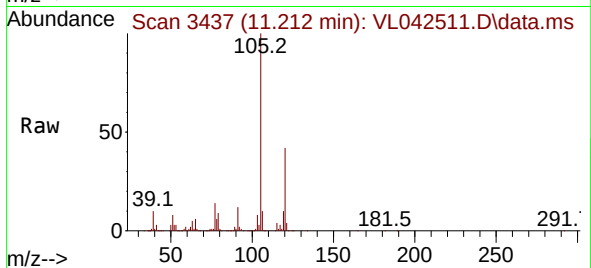
VL0507ABS01

Tgt Ion:105 Resp: 302462

Ion Ratio Lower Upper

105 100

120 41.8 34.4 51.6



#74

1,2,4-Trimethylbenzene

Concen: 11.008 ppbv

RT: 11.542 min Scan# 3539

Delta R.T. 0.007 min

Lab File: VL042511.D

Acq: 07 May 2025 11:06

Tgt Ion:105 Resp: 342795

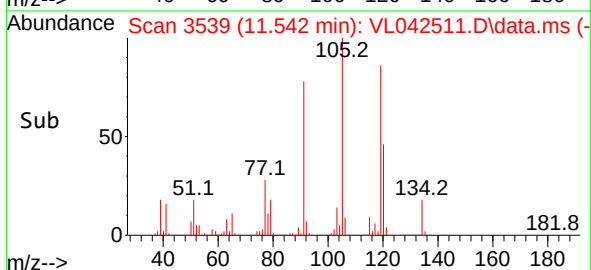
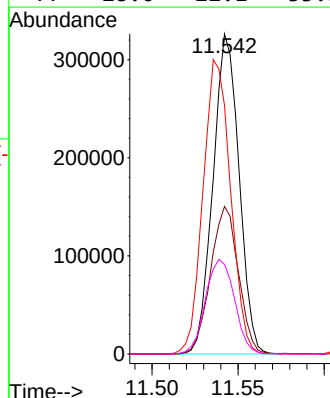
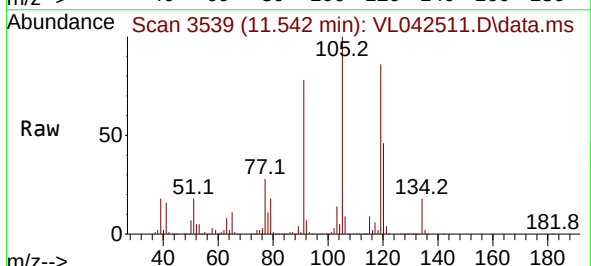
Ion Ratio Lower Upper

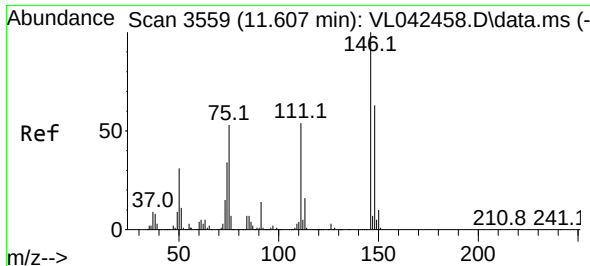
105 100

120 46.0 36.1 54.1

91 77.6 57.6 86.4

77 28.0 22.1 33.1





#75

1,3-Dichlorobenzene

Concen: 11.077 ppbv

RT: 11.613 min Scan# 3561

Delta R.T. 0.007 min

Lab File: VL042511.D

Acq: 07 May 2025 11:06

Instrument :

MSVOA_1

ClientSampleId :

VL0507ABS01

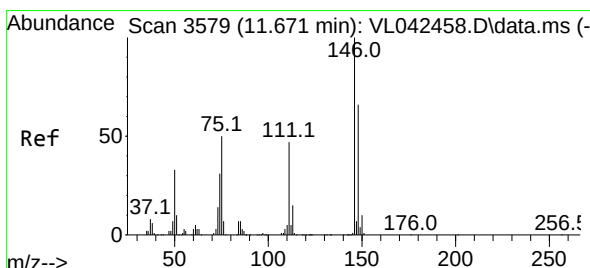
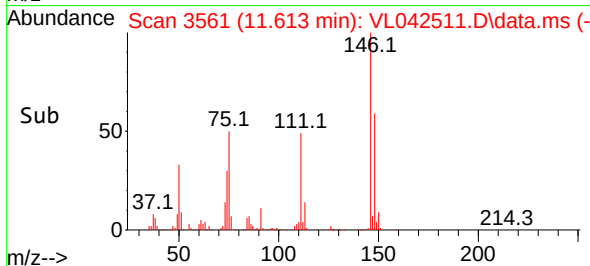
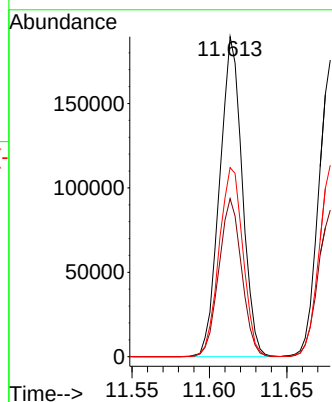
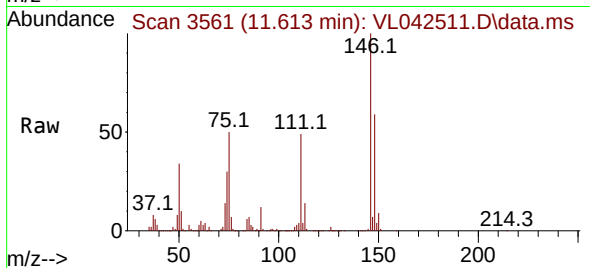
Tgt Ion:146 Resp: 192047

Ion Ratio Lower Upper

146 100

111 50.0 26.1 78.3

148 62.6 32.0 96.0



#76

1,4-Dichlorobenzene

Concen: 11.515 ppbv

RT: 11.678 min Scan# 3581

Delta R.T. 0.007 min

Lab File: VL042511.D

Acq: 07 May 2025 11:06

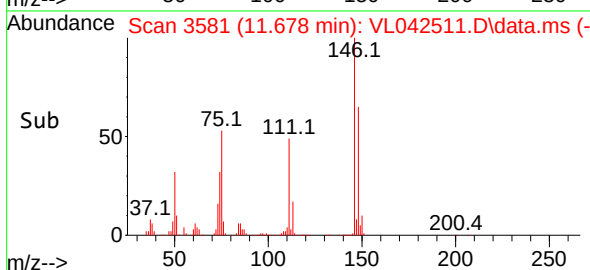
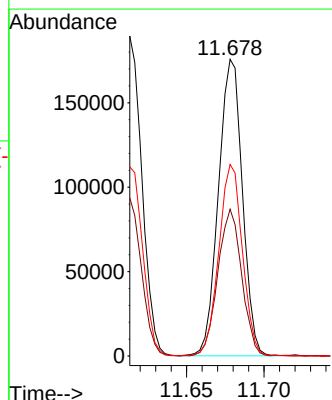
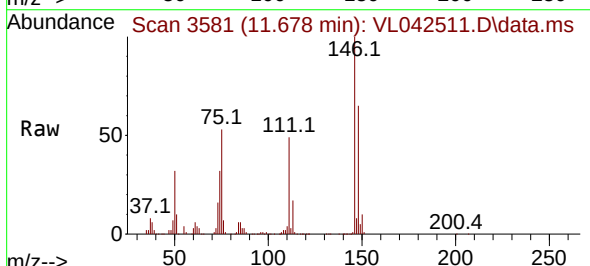
Tgt Ion:146 Resp: 188933

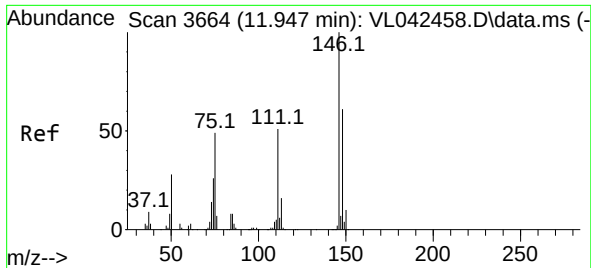
Ion Ratio Lower Upper

146 100

111 49.5 24.4 73.2

148 63.6 32.0 96.2





#77

1,2-Dichlorobenzene

Concen: 10.896 ppbv

RT: 11.953 min Scan# 3

Delta R.T. 0.007 min

Lab File: VL042511.D

Acq: 07 May 2025 11:06

Instrument :

MSVOA_1

ClientSampleId :

VL0507ABS01

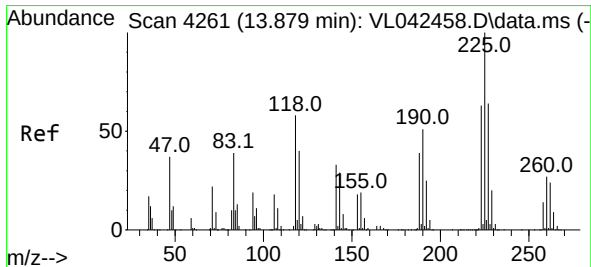
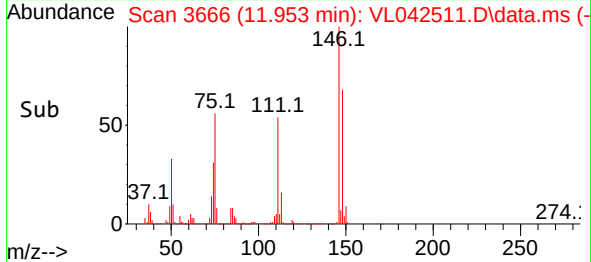
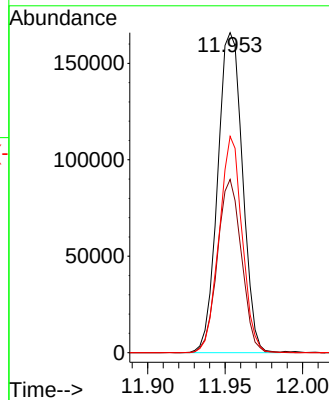
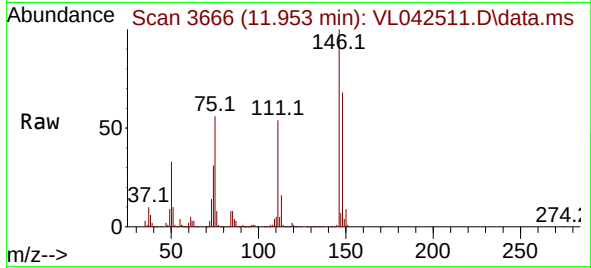
Tgt Ion:146 Resp: 184903

Ion Ratio Lower Upper

146 100

111 52.6 26.5 79.5

148 62.8 31.5 94.5



#78

Hexachloro-1,3-Butadiene

Concen: 9.294 ppbv

RT: 13.885 min Scan# 4263

Delta R.T. 0.007 min

Lab File: VL042511.D

Acq: 07 May 2025 11:06

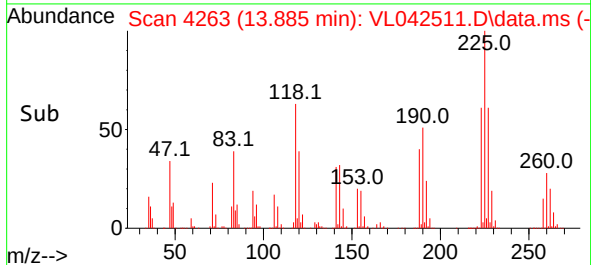
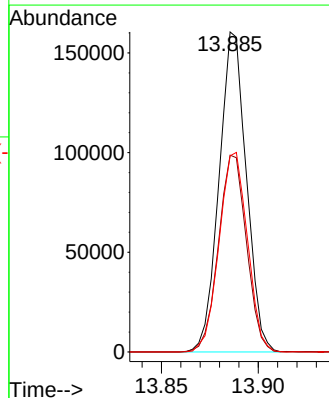
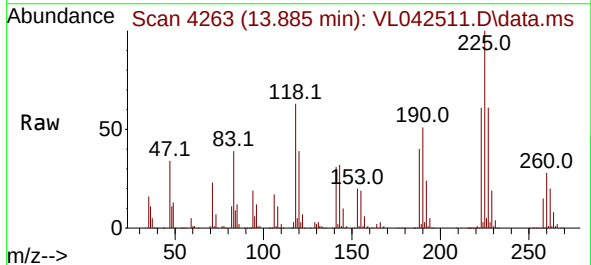
Tgt Ion:225 Resp: 157495

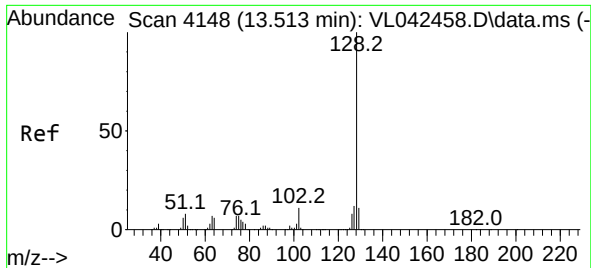
Ion Ratio Lower Upper

225 100

223 63.1 50.2 75.4

227 64.6 51.2 76.8

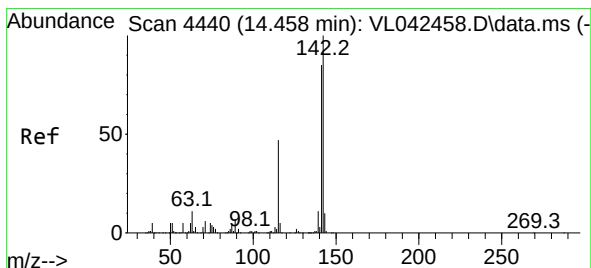
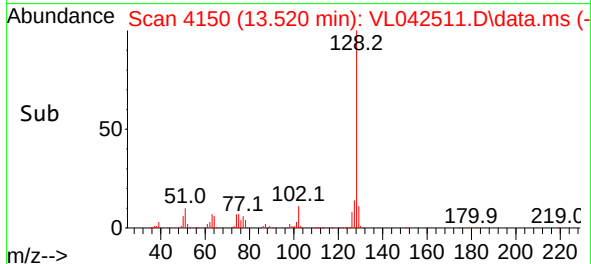
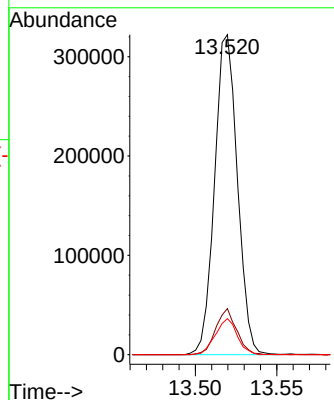
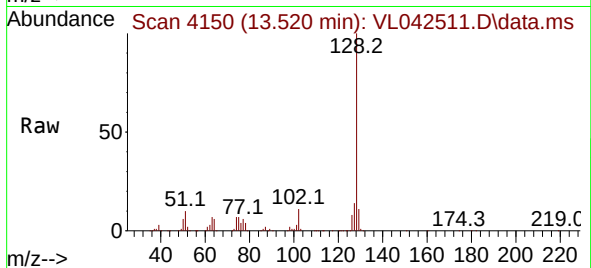




#79
Naphthalene
Concen: 11.955 ppbv
RT: 13.520 min Scan# 4148
Delta R.T. 0.007 min
Lab File: VL042511.D
Acq: 07 May 2025 11:06

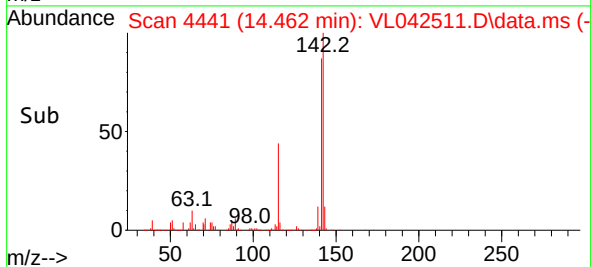
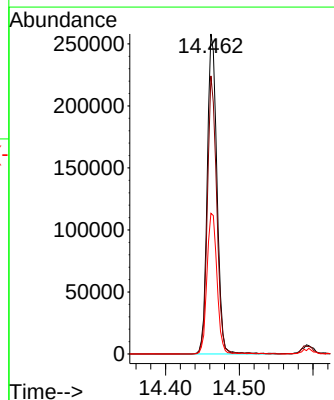
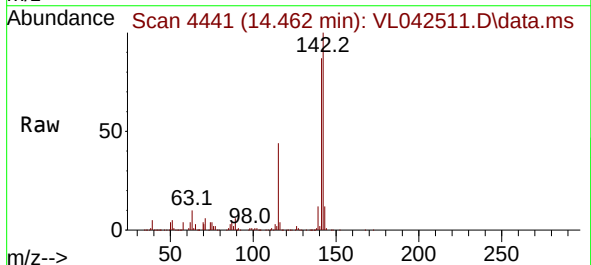
Instrument :
MSVOA_L
ClientSampleId :
VL0507ABS01

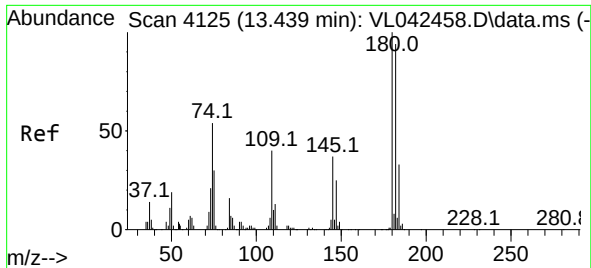
Tgt Ion:128 Resp: 313419
Ion Ratio Lower Upper
128 100
127 14.4 9.7 14.5
129 11.3 8.6 13.0



#80
Naphthalene,2-methyl-
Concen: 12.033 ppbv
RT: 14.462 min Scan# 4441
Delta R.T. 0.003 min
Lab File: VL042511.D
Acq: 07 May 2025 11:06

Tgt Ion:142 Resp: 234458
Ion Ratio Lower Upper
142 100
141 84.1 67.4 101.0
115 45.8 36.9 55.3





#81

1,2,4-Trichlorobenzene

Concen: 11.010 ppbv

RT: 13.445 min Scan# 41

Delta R.T. 0.007 min

Lab File: VL042511.D

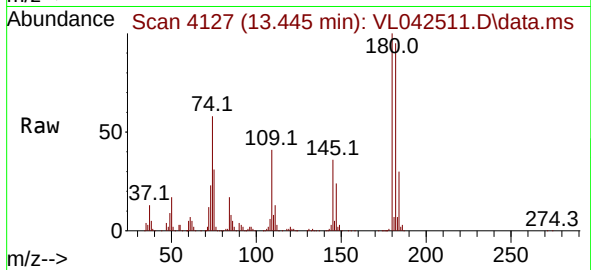
Acq: 07 May 2025 11:06

Instrument :

MSVOA_L

ClientSampleId :

VL0507ABS01



Tgt Ion:180 Resp: 153936

Ion Ratio Lower Upper

180 100

182 94.8 74.6 111.8

184 30.2 24.9 37.3

