

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052125\
 Data File : VL042566.D
 Acq On : 21 May 2025 15:18
 Operator : SY/MD
 Sample : MDL 0.45
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL 0.45

Quant Time: May 21 23:04:51 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052025AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed May 21 00:21:29 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.794	49	106182	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.972	114	329023	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.895	117	278631	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.387	95	234712	10.525	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.300%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	10598	0.534	ppbv	100
3) Chlorodifluoromethane	1.480	51	8040	0.491	ppbv	96
4) Chloromethane	1.535	50	3451	0.539	ppbv	99
5) Vinyl Chloride	1.583	62	3226	0.457	ppbv	89
6) Bromomethane	1.670	94	1969	0.485	ppbv	96
7) Chloroethane	1.709	64	1430	0.504	ppbv #	74
8) Dichlorotetrafluoroethane	1.557	85	8824	0.525	ppbv	97
9) Propene	1.486	41	1917	0.337	ppbv	84
10) Heptane	4.991	43	2404	0.160	ppbv #	24
11) Trichlorofluoromethane	1.881	101	10738	0.518	ppbv	94
12) 1,1,2-Trichlorotrifluo...	2.146	101	8519	0.510	ppbv	100
13) Ethanol	1.725	45	629	0.763	ppbv #	37
14) Bromoethene	1.787	108	3170	0.502	ppbv #	92
15) Acetone	1.842	43	8440	0.570	ppbv	92
16) 1,3-Butadiene	1.612	39	3305	0.550	ppbv	86
17) tert-Butyl alcohol	2.049	59	8028	0.469	ppbv	98
18) 1,1-Dichloroethene	2.039	96	3892	0.515	ppbv	91
19) Isopropyl Alcohol	1.891	45	4265	0.507	ppbv #	38
20) Methylene Chloride	2.065	84	4554	0.636	ppbv #	84
21) Allyl Chloride	2.101	41	4451	0.470	ppbv	89
22) trans-1,2-Dichloroethene	2.347	96	4189	0.500	ppbv	95
23) Vinyl Acetate	2.470	43	7220	0.429	ppbv #	89
24) 1,1-Dichloroethane	2.415	63	7711	0.537	ppbv	99
25) Ethyl Acetate	2.845	43	9896	0.346	ppbv	97
26) Hexane	2.832	57	3481	0.269	ppbv #	59
27) Carbon Disulfide	2.156	76	9027	0.482	ppbv #	47
28) Methyl tert-Butyl Ether	2.447	73	3589	0.412	ppbv	93
29) Chloroform	2.858	83	11704	0.479	ppbv	97
30) Cyclohexane	3.868	84	2703	0.242	ppbv #	87
31) cis-1,2-Dichloroethene	2.344	61	5982	0.421	ppbv	95
32) 1,1,1-Trichloroethane	3.376	97	10809	0.432	ppbv	96
34) 2-Butanone	2.570	43	7073	0.405	ppbv	91
35) Carbon Tetrachloride	3.774	117	12314	0.489	ppbv	98
36) Benzene	3.667	78	9368	0.352	ppbv	95
37) 1,2-Dichloroethane	3.227	62	7656	0.471	ppbv	98
38) Trichloroethene	4.564	130	2725	0.224	ppbv	87
39) 1,2-Dichloropropane	4.328	63	4164	0.446	ppbv	86
40) 1,4-Dioxane	4.613	88	414	0.099	ppbv #	1
41) Tetrahydrofuran	3.072	42	2234	0.262	ppbv	91
42) Bromodichloromethane	4.503	83	11494	0.501	ppbv	96
43) Methyl Methacrylate	4.891	69	1156	0.128	ppbv #	1
44) 2,2,4-Trimethylpentane	4.655	57	6821	0.167	ppbv #	23
45) t-1,3-Dichloropropene	6.432	75	855	0.074	ppbv	97

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Instrument :
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Quant Time: May 21 23:04:51 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052025AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed May 21 00:21:29 2025
 Response via : Initial Calibration

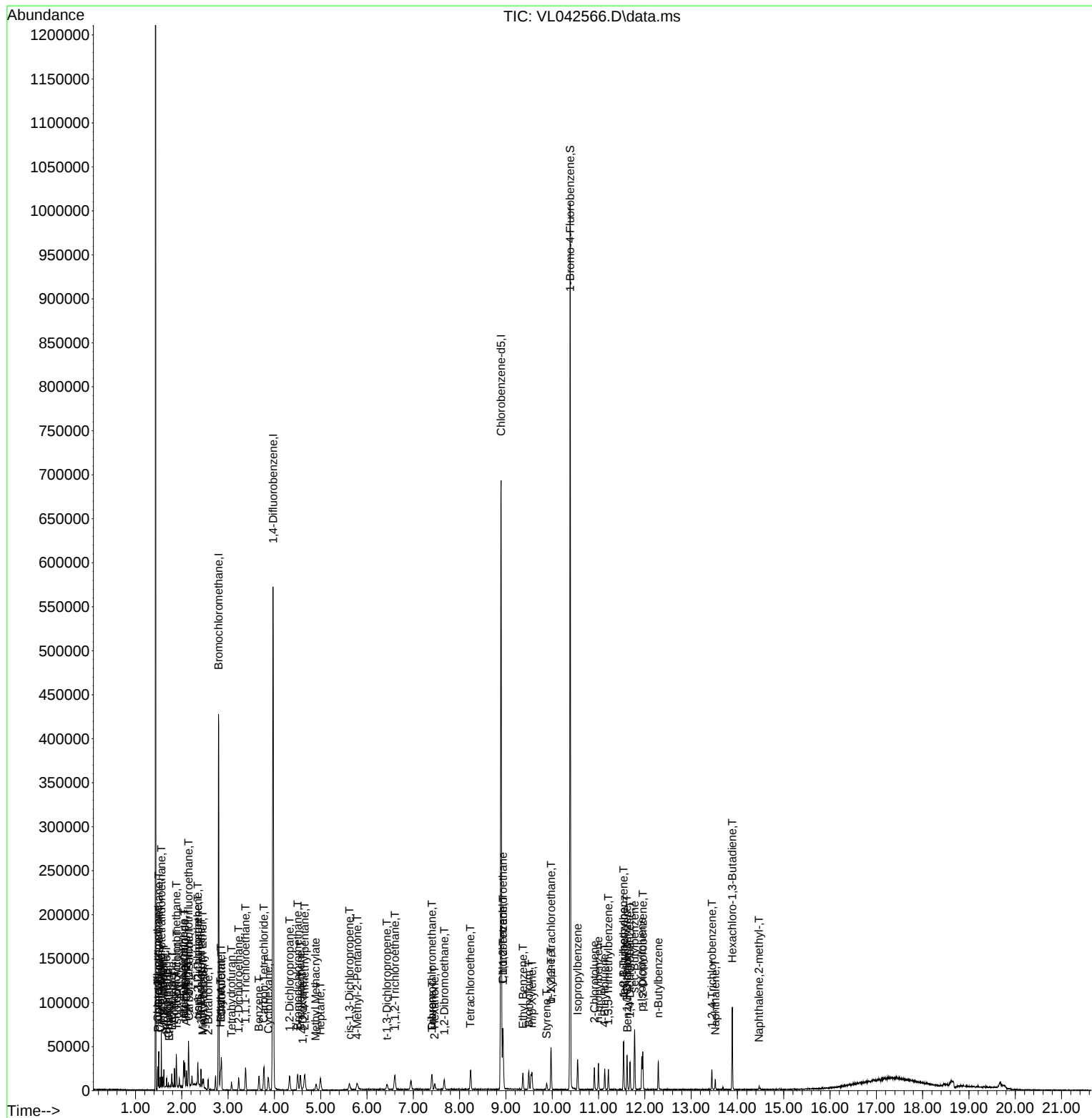
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.619	75	3072	0.219	ppbv #	86
47) 1,1,2-Trichloroethane	6.603	97	1919	0.171	ppbv #	79
48) Dibromochloromethane	7.399	129	8671	0.448	ppbv	95
49) Bromoform	9.493	173	7150	0.432	ppbv	99
50) 4-Methyl-2-Pentanone	5.787	43	5344	0.255	ppbv	98
51) 2-Hexanone	7.458	43	1895	0.123	ppbv #	27
52) Tetrachloroethene	8.231	164	4032	0.388	ppbv #	83
53) Toluene	7.406	91	436	0.015	ppbv	87
54) 1,2-Dibromoethane	7.668	107	6381	0.391	ppbv	85
56) 1,1,1,2-Tetrachloroethane	8.937	131	8268	0.557	ppbv #	1
57) Chlorobenzene	8.933	112	12451	0.502	ppbv	98
58) Ethyl Benzene	9.367	91	9433	0.259	ppbv	100
59) m/p-Xylene	9.561	91	6711	0.215	ppbv #	7
60) o-Xylene	9.972	91	7660	0.248	ppbv	95
61) Styrene	9.879	104	2581	0.218	ppbv	94
62) Isopropylbenzene	10.549	105	14089	0.298	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.976	83	10044	0.487	ppbv	97
64) n-propylbenzene	10.995	120	2743	0.233	ppbv	74
65) tert-Butylbenzene	11.539	119	9972	0.235	ppbv	95
66) Benzyl Chloride	11.626	91	1611	0.303	ppbv #	95
67) sec-Butylbenzene	11.775	105	16066	0.268	ppbv	98
69) p-Isopropyltoluene	11.934	119	12075	0.244	ppbv	94
70) n-Butylbenzene	12.293	91	10356	0.221	ppbv	97
71) 2-Chlorotoluene	10.911	91	9561	0.281	ppbv	98
72) 4-Ethyltoluene	11.131	105	8549	0.224	ppbv #	90
73) 1,3,5-Trimethylbenzene	11.212	105	7946	0.241	ppbv	90
74) 1,2,4-Trimethylbenzene	11.542	105	8944	0.225	ppbv #	86
75) 1,3-Dichlorobenzene	11.613	146	9791	0.399	ppbv	97
76) 1,4-Dichlorobenzene	11.681	146	7926	0.333	ppbv	99
77) 1,2-Dichlorobenzene	11.957	146	10341	0.428	ppbv	100
78) Hexachloro-1,3-Butadiene	13.889	225	9921	0.497	ppbv	96
79) Naphthalene	13.520	128	5557	0.187	ppbv #	96
80) Naphthalene,2-methyl-	14.465	142	1441	0.094	ppbv	98
81) 1,2,4-Trichlorobenzene	13.452	180	3829	0.214	ppbv	98

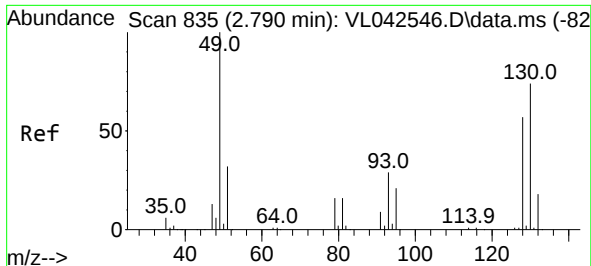
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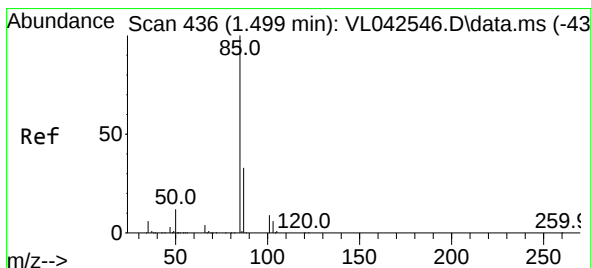
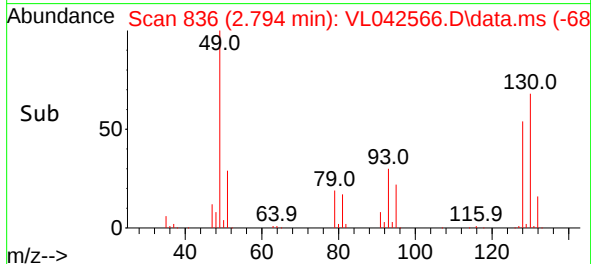
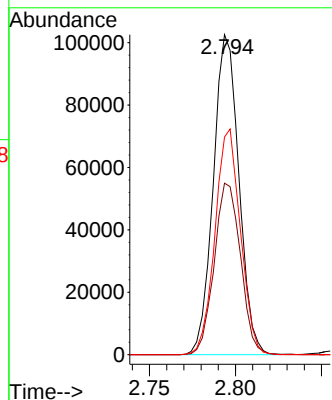
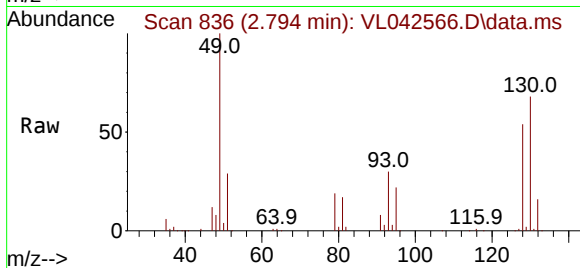




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.794 min Scan# 835
Delta R.T. 0.004 min
Lab File: VL042566.D
Acq: 21 May 2025 15:18

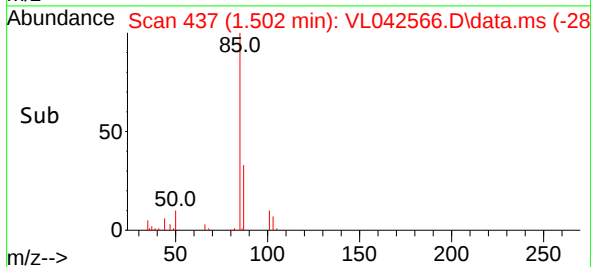
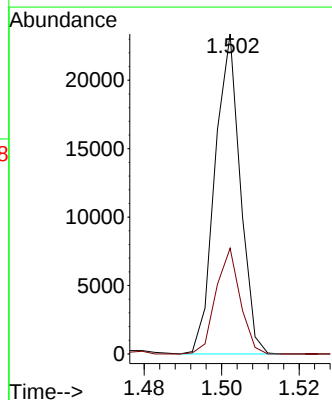
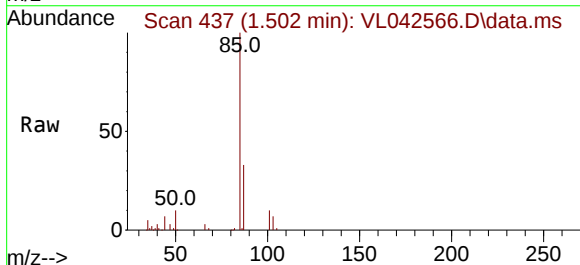
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MSVOA_L
ClientSampleId :
MDL 0.45

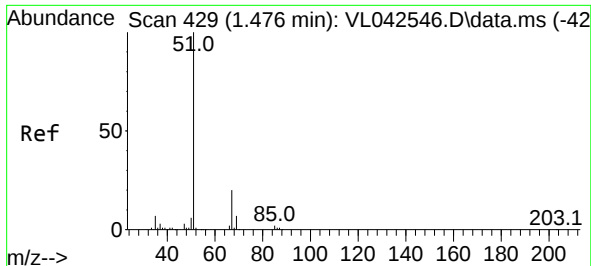
Tgt Ion: 49 Resp: 106182
Ion Ratio Lower Upper
49 100
128 55.0 28.6 85.8
130 70.0 36.6 109.8



#2
Dichlorodifluoromethane
Concen: 0.534 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.003 min
Lab File: VL042566.D
Acq: 21 May 2025 15:18

Tgt Ion: 85 Resp: 10598
Ion Ratio Lower Upper
85 100
87 33.1 26.2 39.4

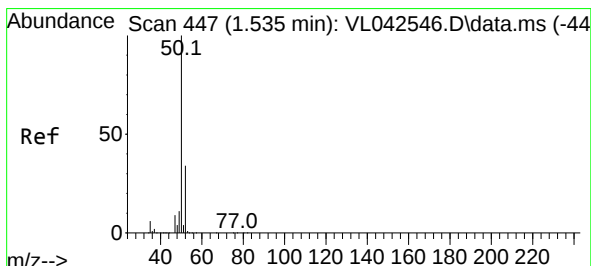
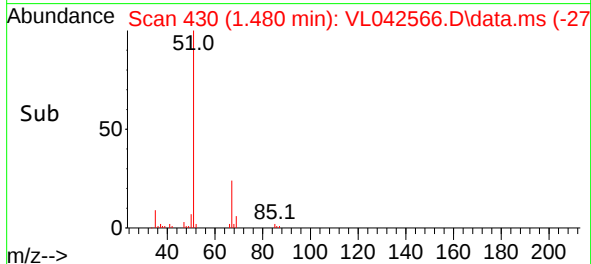
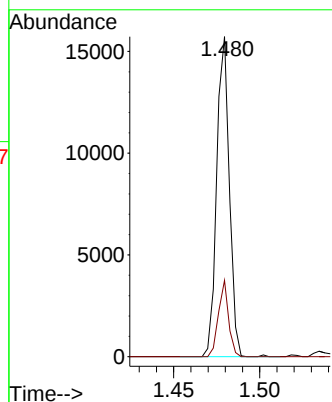
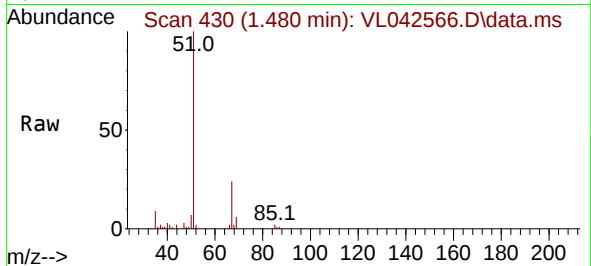




#3
Chlorodifluoromethane
Concen: 0.491 ppbv
RT: 1.480 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL042566.D
Acq: 21 May 2025 15:18

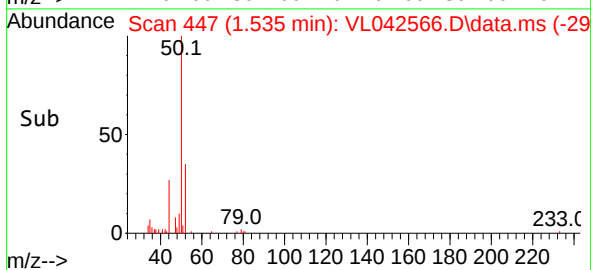
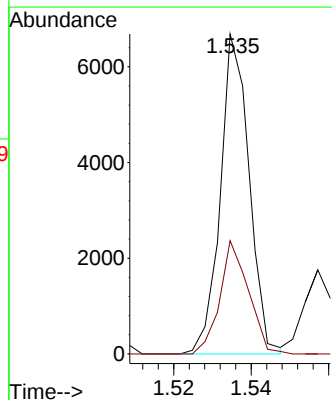
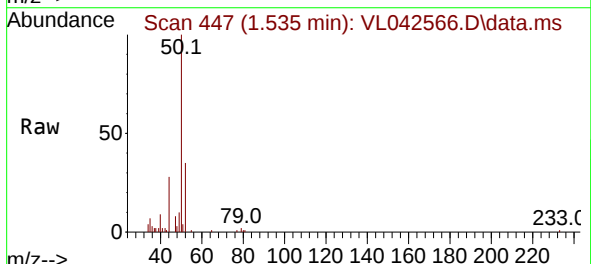
Instrument :
MSVOA_L
ClientSampleId :
MDL 0.45

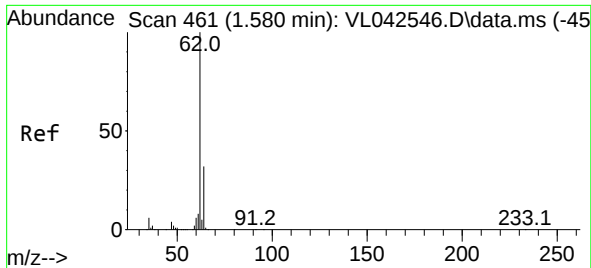
Tgt Ion: 51 Resp: 8040
Ion Ratio Lower Upper
51 100
67 19.1 16.6 25.0



#4
Chloromethane
Concen: 0.539 ppbv
RT: 1.535 min Scan# 447
Delta R.T. -0.000 min
Lab File: VL042566.D
Acq: 21 May 2025 15:18

Tgt Ion: 50 Resp: 3451
Ion Ratio Lower Upper
50 100
52 34.1 26.9 40.3

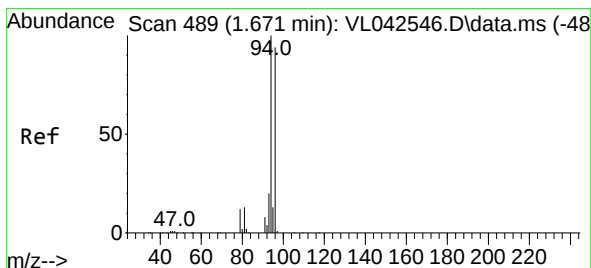
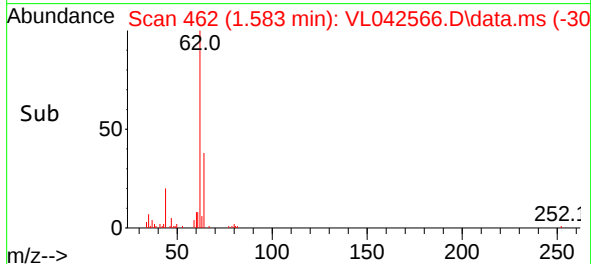
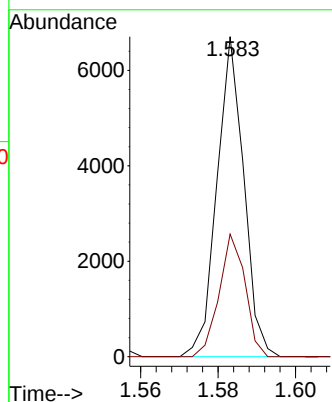
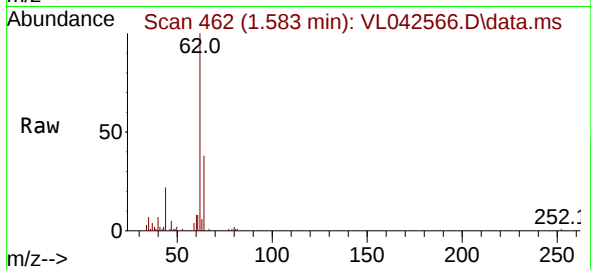




#5
 Vinyl Chloride
 Concen: 0.457 ppbv
 RT: 1.583 min Scan# 462
 Delta R.T. 0.003 min
 Lab File: VL042566.D
 Acq: 21 May 2025 15:18

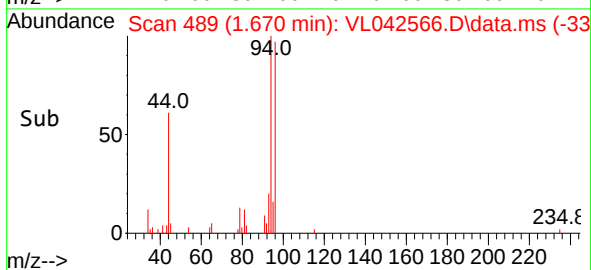
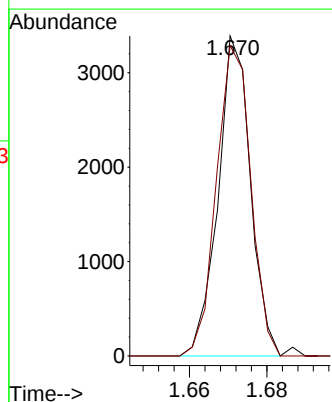
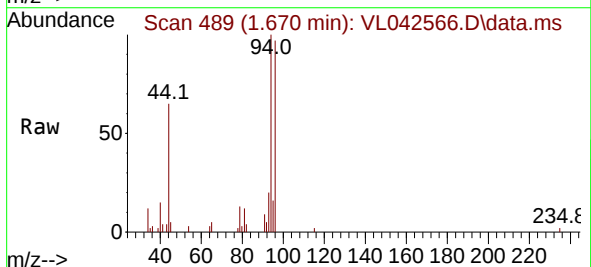
Instrument :
 MSVOA_1
 ClientSampleId :
 MDL 0.45

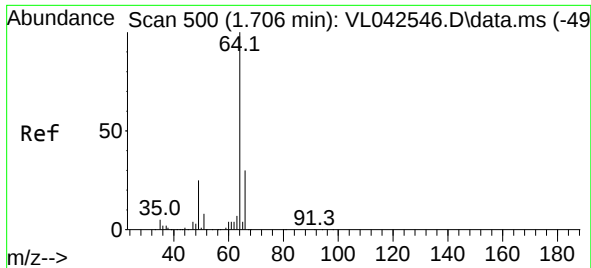
Tgt Ion: 62 Resp: 3226
 Ion Ratio Lower Upper
 62 100
 64 38.3 25.7 38.5



#6
 Bromomethane
 Concen: 0.485 ppbv
 RT: 1.670 min Scan# 489
 Delta R.T. -0.000 min
 Lab File: VL042566.D
 Acq: 21 May 2025 15:18

Tgt Ion: 94 Resp: 1969
 Ion Ratio Lower Upper
 94 100
 96 97.0 74.9 112.3

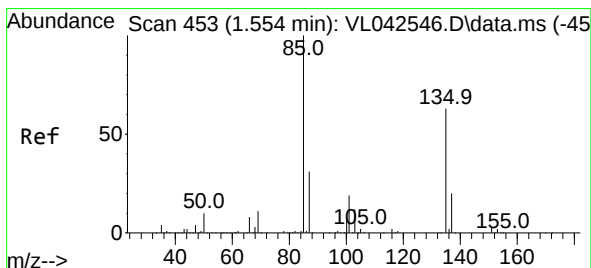
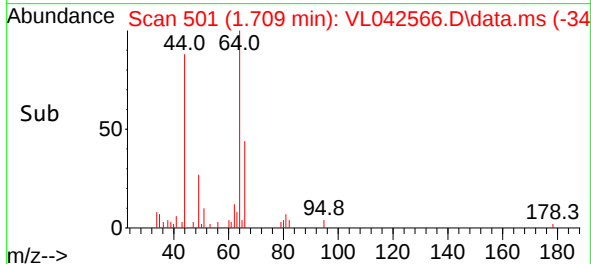
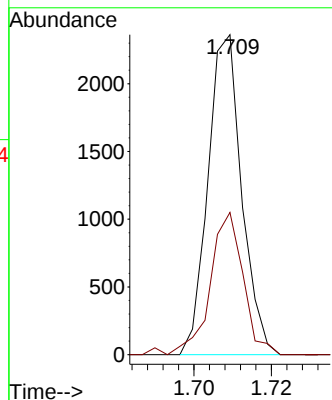
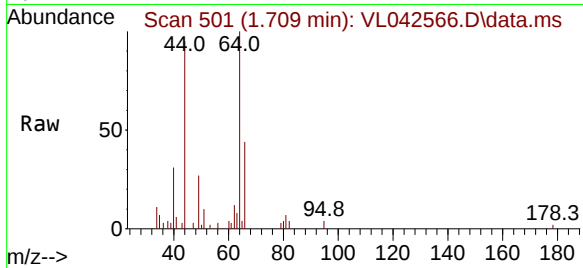




#7
Chloroethane
Concen: 0.504 ppbv
RT: 1.709 min Scan# 500
Delta R.T. 0.003 min
Lab File: VL042566.D
Acq: 21 May 2025 15:18

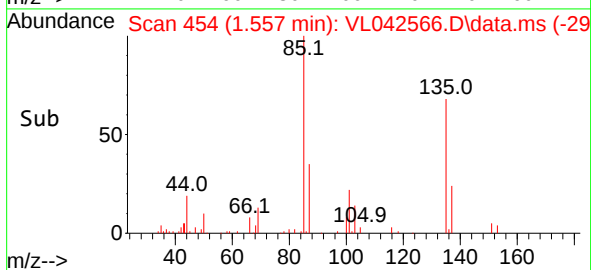
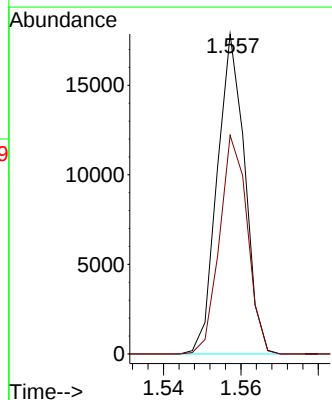
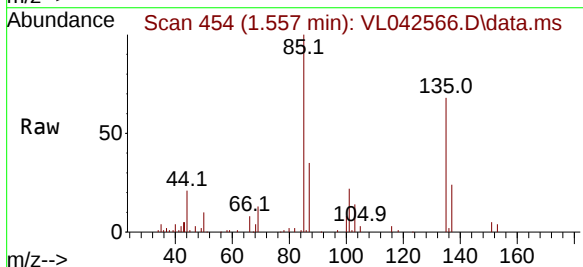
Instrument :
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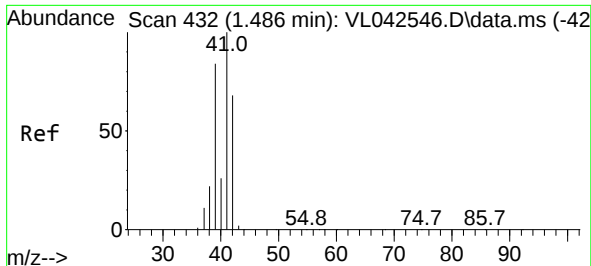
Tgt Ion: 64 Resp: 1430
Ion Ratio Lower Upper
64 100
66 44.5 24.4 36.6#



#8
Dichlorotetrafluoroethane
Concen: 0.525 ppbv
RT: 1.557 min Scan# 454
Delta R.T. 0.003 min
Lab File: VL042566.D
Acq: 21 May 2025 15:18

Tgt Ion: 85 Resp: 8824
Ion Ratio Lower Upper
85 100
135 69.1 57.2 85.8





#9

Propene

Concen: 0.337 ppbv

RT: 1.486 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL042566.D

Acq: 21 May 2025 15:18

Instrument :

MSVOA_L

ClientSampleId :

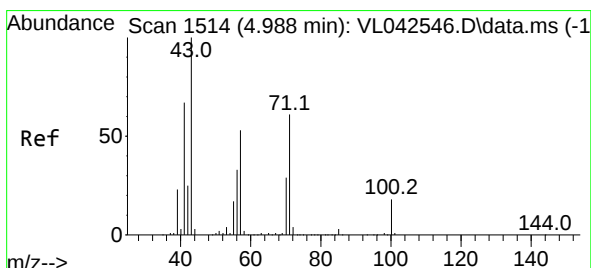
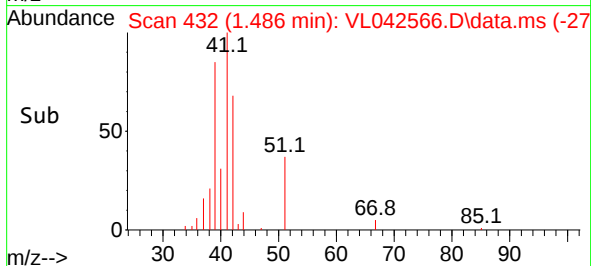
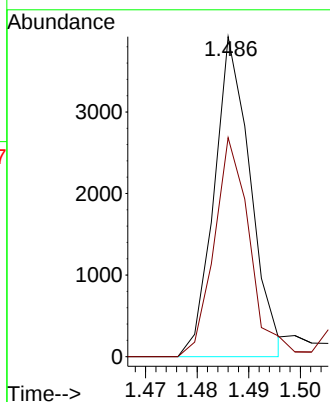
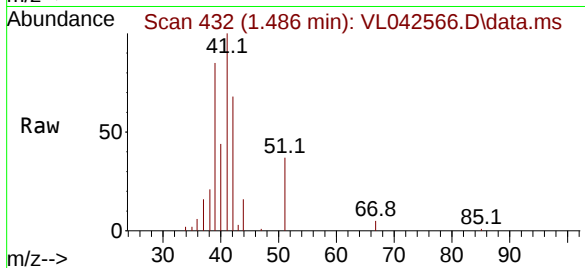
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Tgt Ion: 41 Resp: 1917

Ion Ratio Lower Upper

41 100

42 81.7 55.0 82.4



#10

Heptane

Concen: 0.160 ppbv

RT: 4.991 min Scan# 1515

Delta R.T. 0.003 min

Lab File: VL042566.D

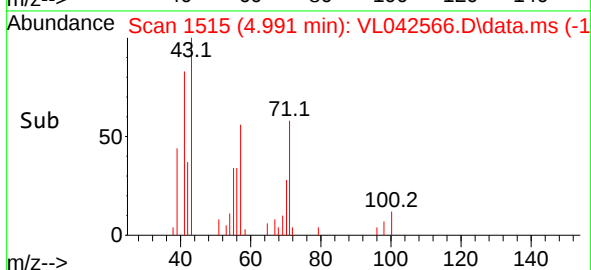
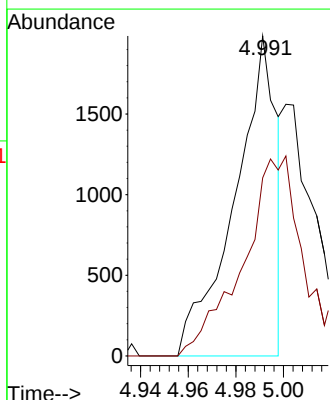
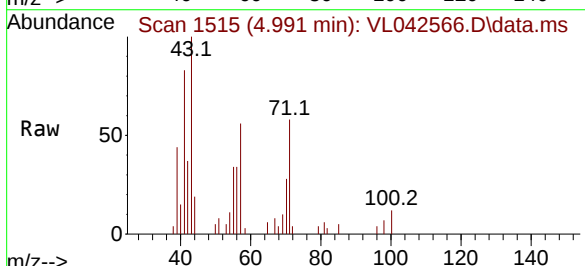
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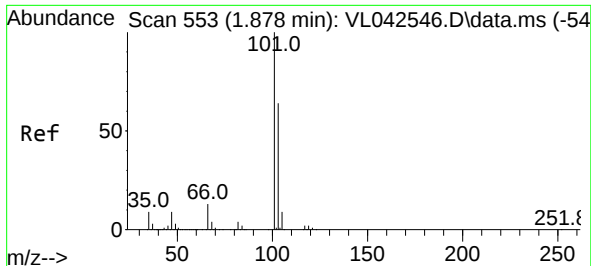
Tgt Ion: 43 Resp: 2404

Ion Ratio Lower Upper

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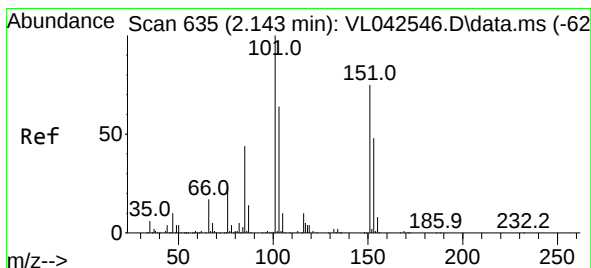
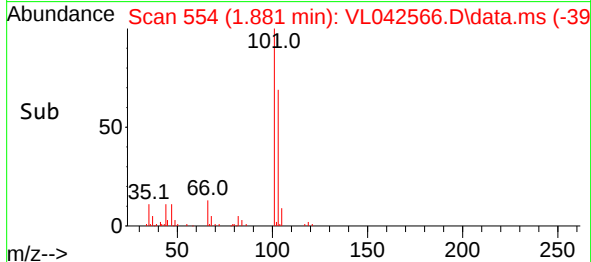
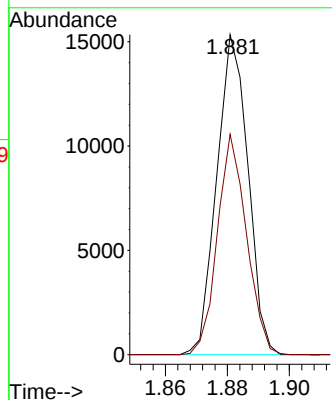
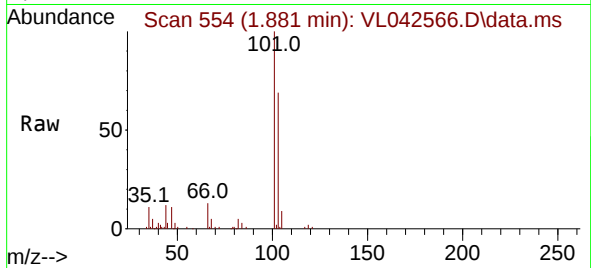




#11
 Trichlorofluoromethane
 Concen: 0.518 ppbv
 RT: 1.881 min Scan# 51
 Delta R.T. 0.003 min
 Lab File: VL042566.D
 Acq: 21 May 2025 15:18

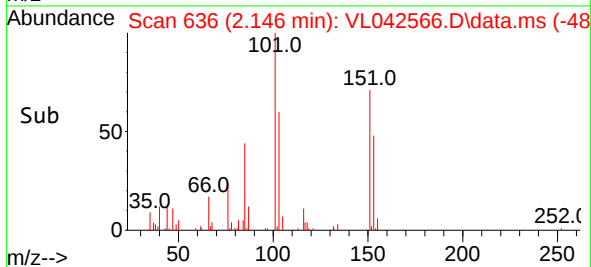
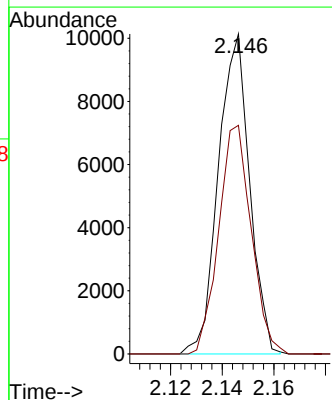
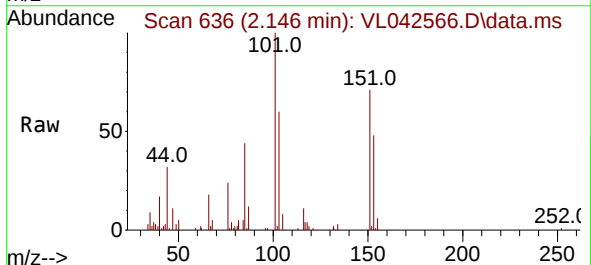
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL 0.45

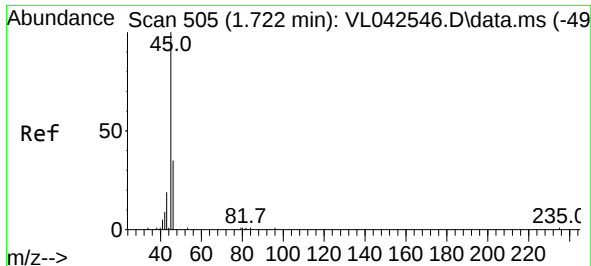
Tgt Ion:101 Resp: 10738
 Ion Ratio Lower Upper
 101 100
 103 68.8 51.5 77.3



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.510 ppbv
 RT: 2.146 min Scan# 636
 Delta R.T. 0.003 min
 Lab File: VL042566.D
 Acq: 21 May 2025 15:18

Tgt Ion:101 Resp: 8519
 Ion Ratio Lower Upper
 101 100
 151 74.5 59.5 89.3

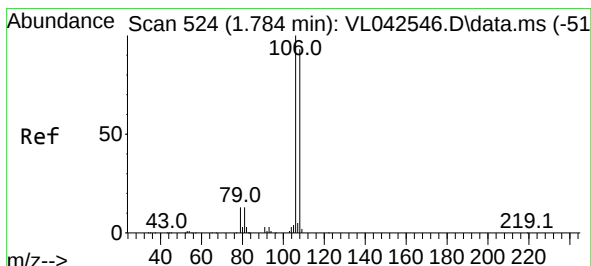
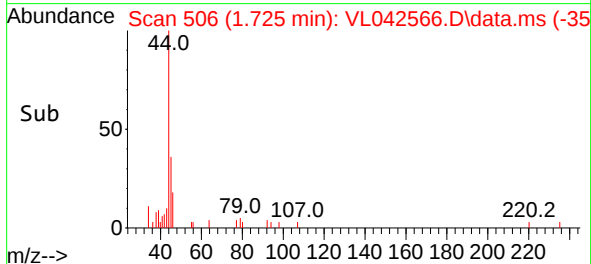
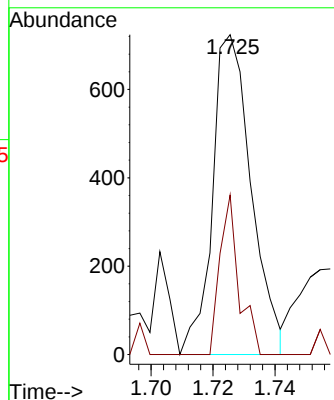
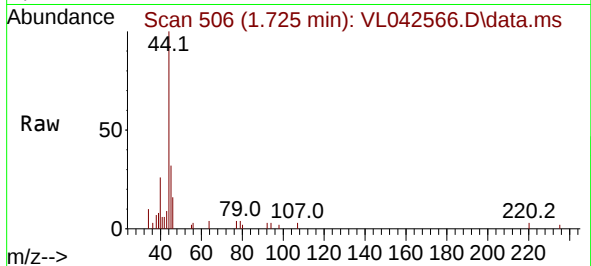




#13
Ethanol
Concen: 0.763 ppbv
RT: 1.725 min Scan# 505
Delta R.T. 0.003 min
Lab File: VL042566.D
Acq: 21 May 2025 15:18

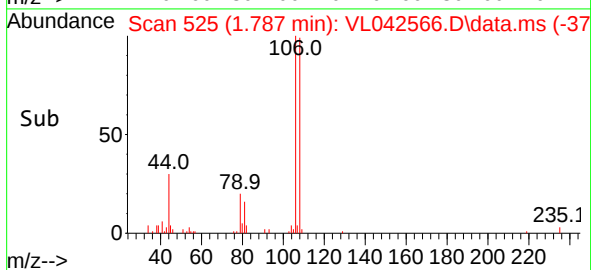
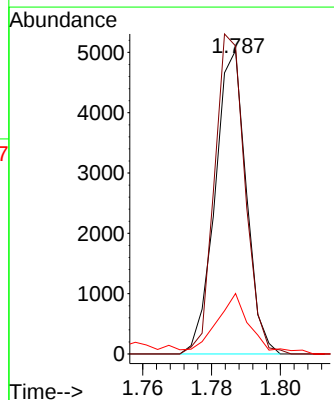
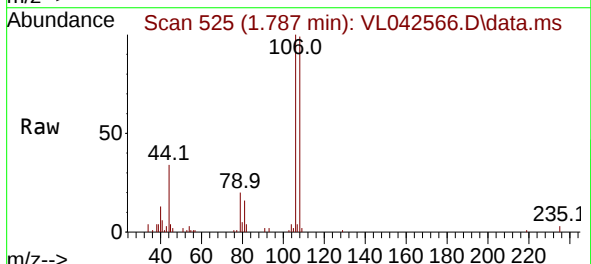
Instrument :
MSVOA_L
ClientSampleId :
MDL 0.45

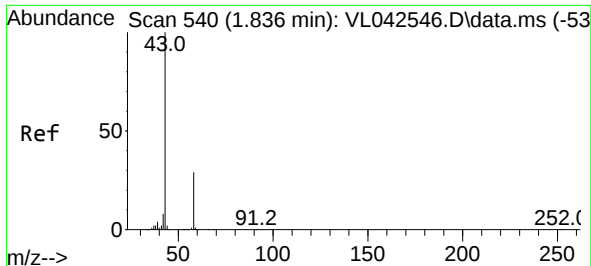
Tgt Ion: 45 Resp: 629
Ion Ratio Lower Upper
45 100
46 0.0 15.3 61.3#



#14
Bromoethene
Concen: 0.502 ppbv
RT: 1.787 min Scan# 525
Delta R.T. 0.003 min
Lab File: VL042566.D
Acq: 21 May 2025 15:18

Tgt Ion: 108 Resp: 3170
Ion Ratio Lower Upper
108 100
106 103.0 86.4 129.6
79 26.6 11.9 17.9#

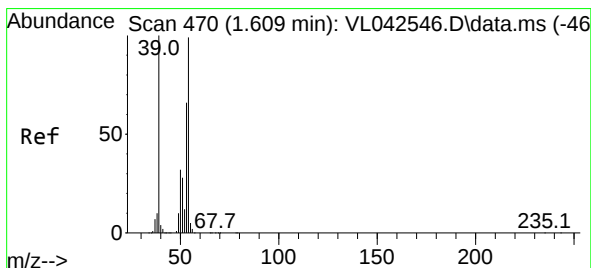
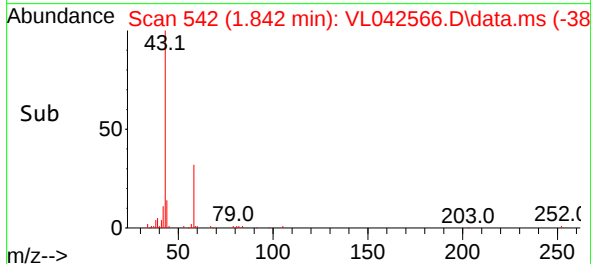
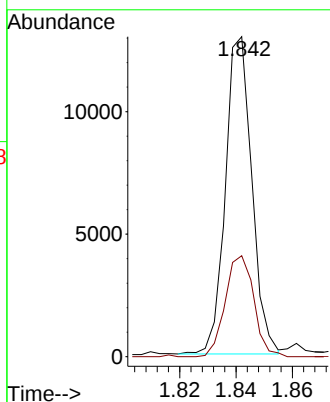
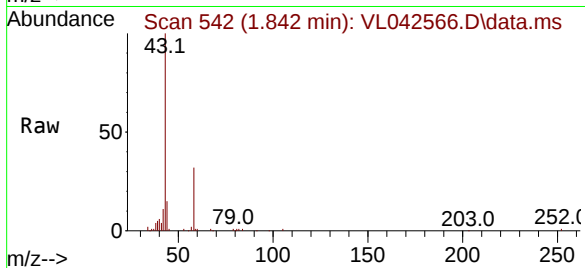




#15
Acetone
Concen: 0.570 ppbv
RT: 1.842 min Scan# 540
Delta R.T. 0.006 min
Lab File: VL042566.D
Acq: 21 May 2025 15:18

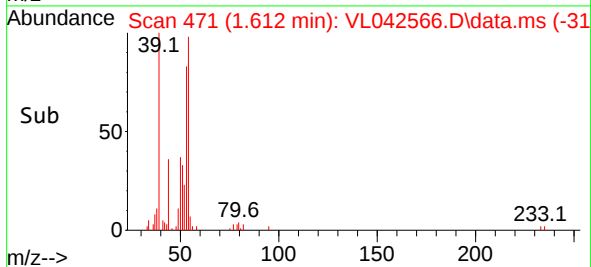
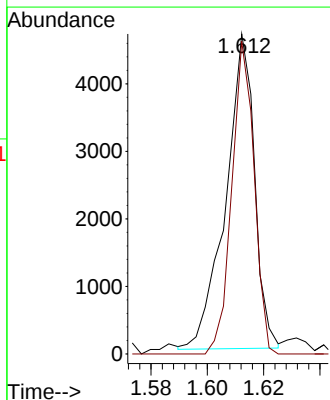
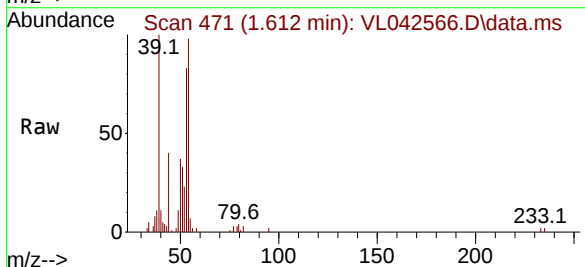
Instrument :
MSVOA_L
ClientSampleId :
MDL 0.45

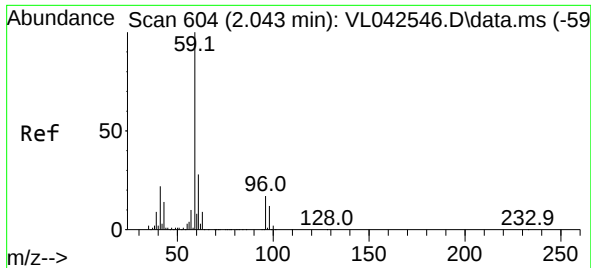
Tgt Ion: 43 Resp: 8440
Ion Ratio Lower Upper
43 100
58 34.5 24.2 36.2



#16
1,3-Butadiene
Concen: 0.550 ppbv
RT: 1.612 min Scan# 471
Delta R.T. 0.003 min
Lab File: VL042566.D
Acq: 21 May 2025 15:18

Tgt Ion: 39 Resp: 3305
Ion Ratio Lower Upper
39 100
54 76.9 71.8 107.8

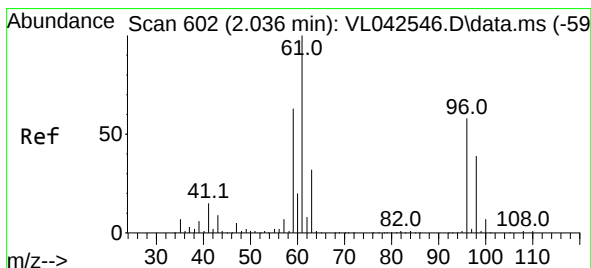
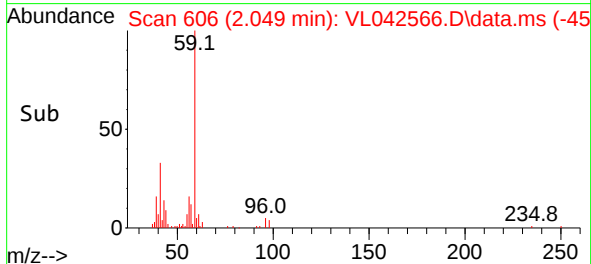
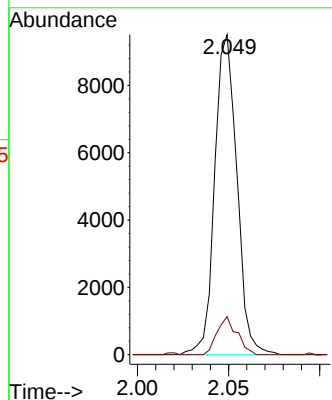
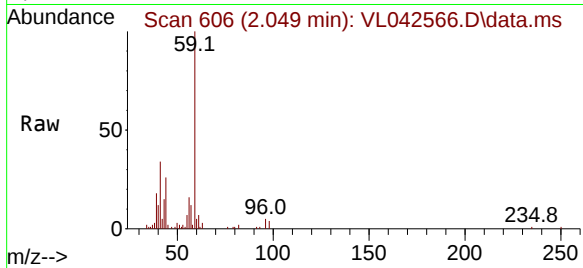




#17
tert-Butyl alcohol
Concen: 0.469 ppbv
RT: 2.049 min Scan# 604
Delta R.T. 0.006 min
Lab File: VL042566.D
Acq: 21 May 2025 15:18

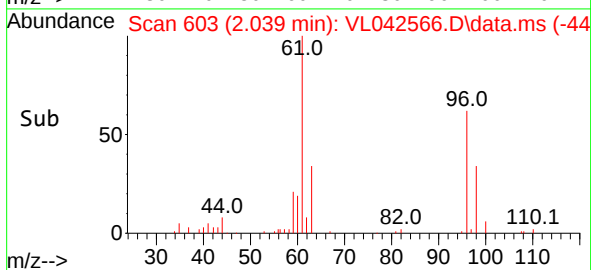
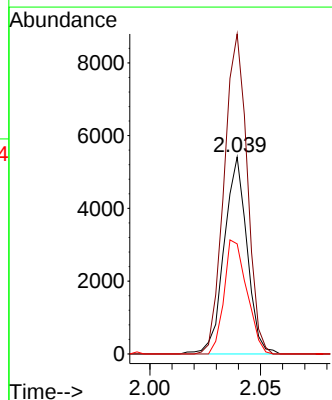
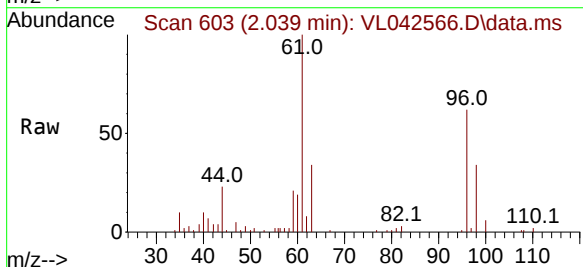
Instrument :
MSVOA_L
ClientSampleId :
MDL 0.45

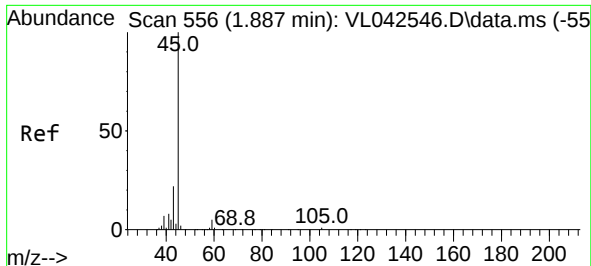
Tgt Ion: 59 Resp: 8028
Ion Ratio Lower Upper
59 100
57 10.9 8.2 12.2



#18
1,1-Dichloroethene
Concen: 0.515 ppbv
RT: 2.039 min Scan# 603
Delta R.T. 0.003 min
Lab File: VL042566.D
Acq: 21 May 2025 15:18

Tgt Ion: 96 Resp: 3892
Ion Ratio Lower Upper
96 100
61 162.5 137.5 206.3
98 55.9 53.2 79.8





#19

Isopropyl Alcohol

Concen: 0.507 ppbv

RT: 1.891 min Scan# 557

Delta R.T. 0.003 min

Lab File: VL042566.D

Acq: 21 May 2025 15:18

Instrument :

MSVOA_L

ClientSampleId :

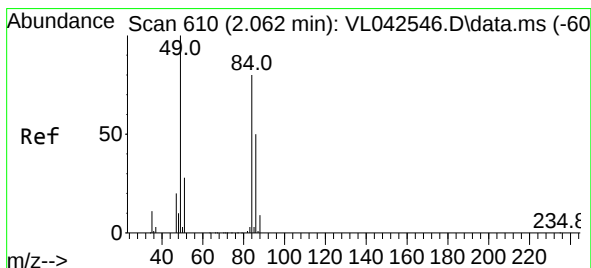
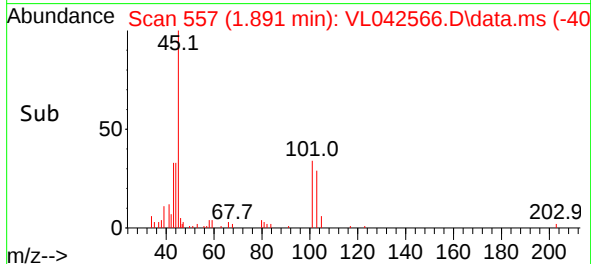
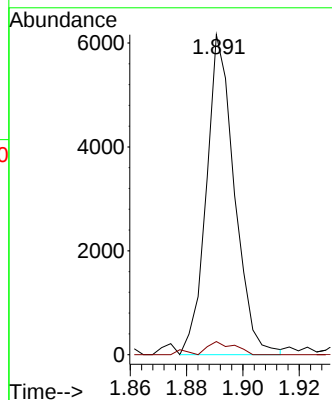
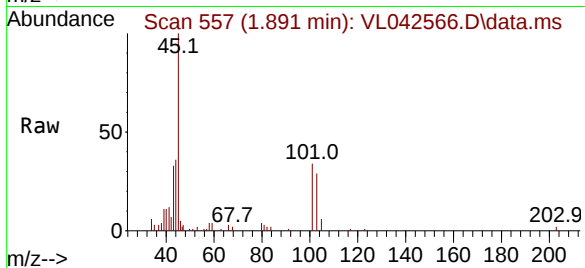
MDL 0.45

Tgt Ion: 45 Resp: 4265

Ion Ratio Lower Upper

45 100

58 3.9 35.3 52.9#



#20

Methylene Chloride

Concen: 0.636 ppbv

RT: 2.065 min Scan# 611

Delta R.T. 0.003 min

Lab File: VL042566.D

Acq: 21 May 2025 15:18

Tgt Ion: 84 Resp: 4554

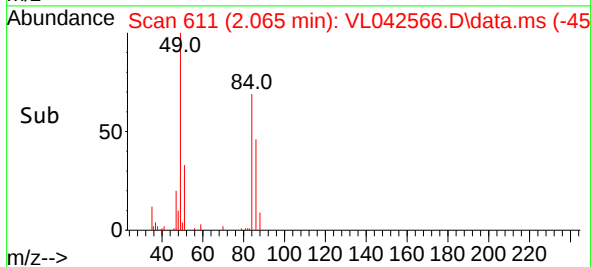
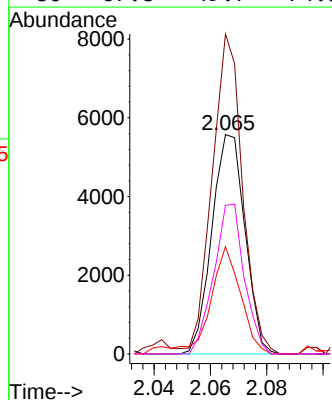
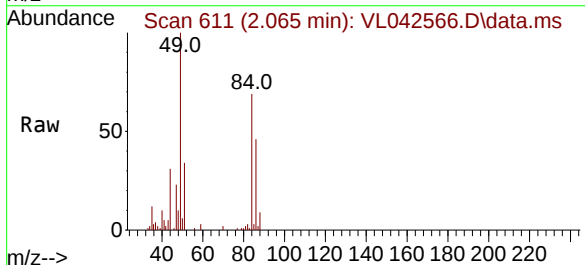
Ion Ratio Lower Upper

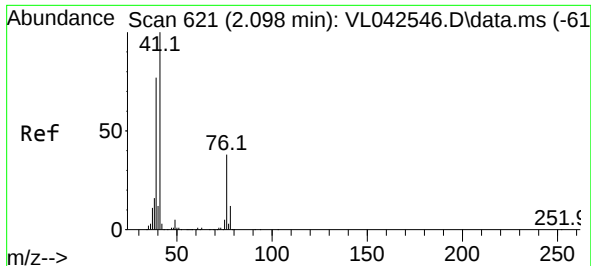
84 100

49 145.9 99.7 149.5

51 49.0 29.7 44.5#

86 67.8 49.7 74.5

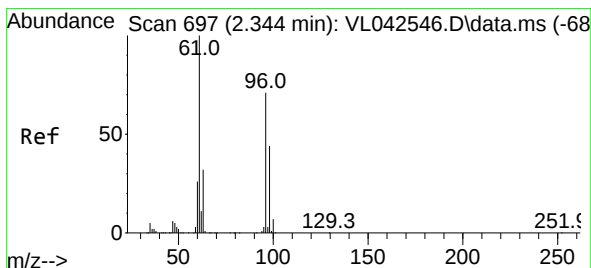
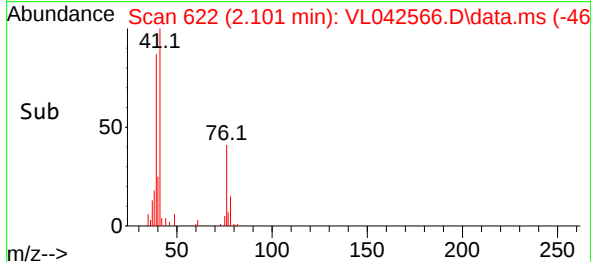
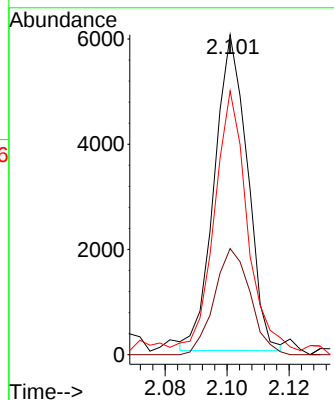
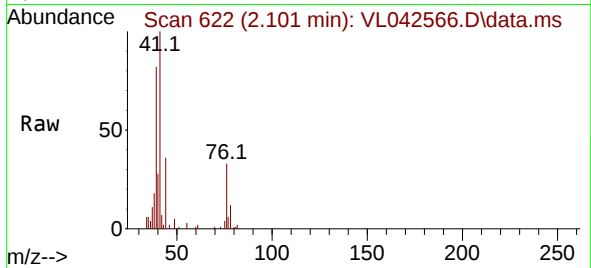




#21
 Allyl Chloride
 Concen: 0.470 ppbv
 RT: 2.101 min Scan# 61
 Delta R.T. 0.003 min
 Lab File: VL042566.D
 Acq: 21 May 2025 15:18

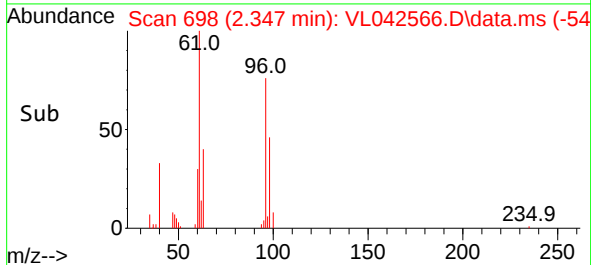
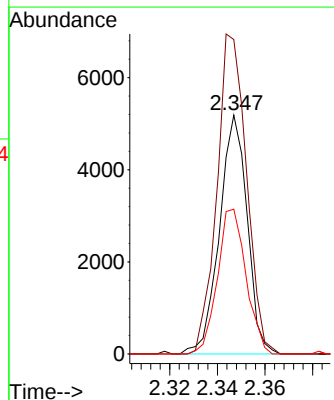
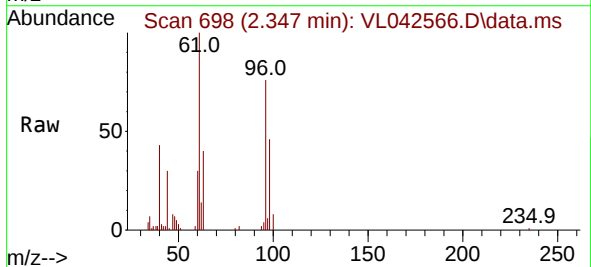
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL 0.45

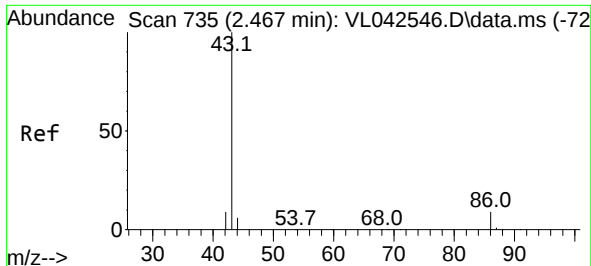
Tgt Ion: 41 Resp: 4451
 Ion Ratio Lower Upper
 41 100
 76 36.5 30.2 45.4
 39 91.0 62.5 93.7



#22
 trans-1,2-Dichloroethene
 Concen: 0.500 ppbv
 RT: 2.347 min Scan# 698
 Delta R.T. 0.003 min
 Lab File: VL042566.D
 Acq: 21 May 2025 15:18

Tgt Ion: 96 Resp: 4189
 Ion Ratio Lower Upper
 96 100
 61 131.7 112.5 168.7
 98 60.6 49.0 73.4

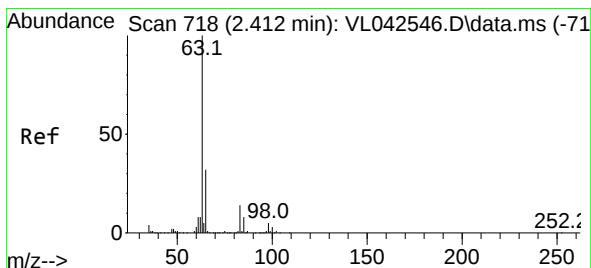
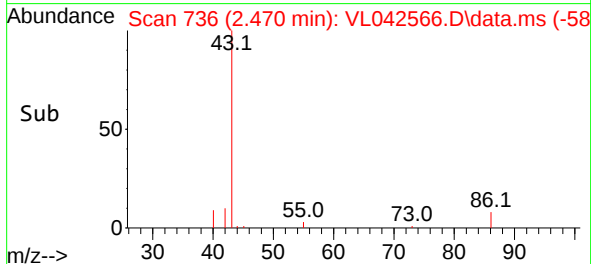
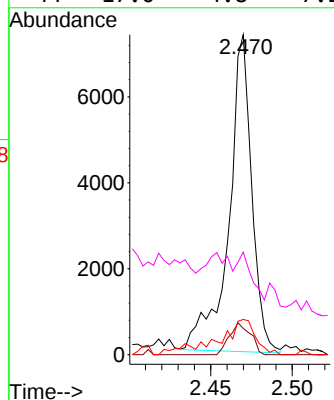
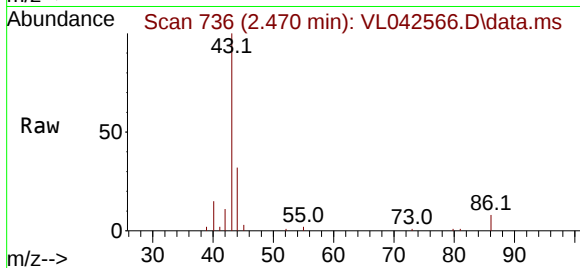




#23
 Vinyl Acetate
 Concen: 0.429 ppbv
 RT: 2.470 min Scan# 719
 Delta R.T. 0.003 min
 Lab File: VL042566.D
 Acq: 21 May 2025 15:18

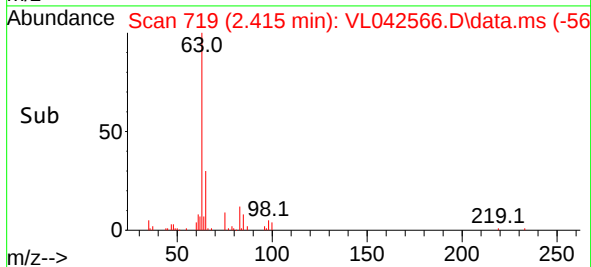
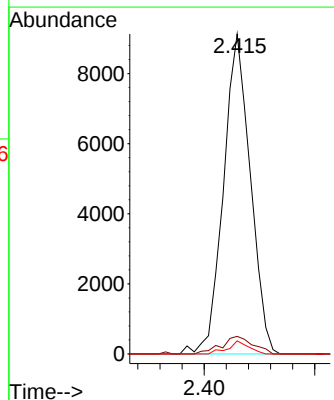
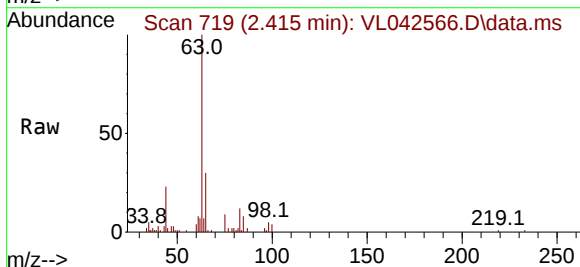
Instrument :
 MSVOA_1
 ClientSampleId :
 MDL 0.45

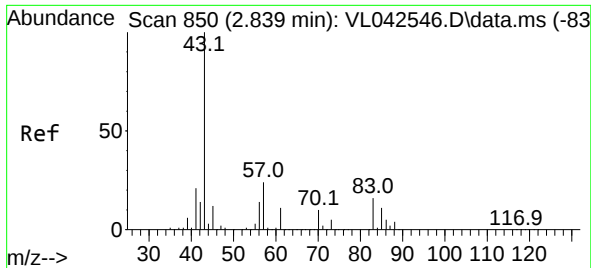
Tgt Ion:	43	Resp:	7220
Ion	Ratio	Lower	Upper
43	100		
86	8.3	7.0	10.6
42	11.2	7.4	11.2#
44	17.0	4.8	7.2#



#24
 1,1-Dichloroethane
 Concen: 0.537 ppbv
 RT: 2.415 min Scan# 719
 Delta R.T. 0.003 min
 Lab File: VL042566.D
 Acq: 21 May 2025 15:18

Tgt Ion:	63	Resp:	7711
Ion	Ratio	Lower	Upper
63	100		
98	5.5	2.6	7.8
100	4.1	1.8	5.3

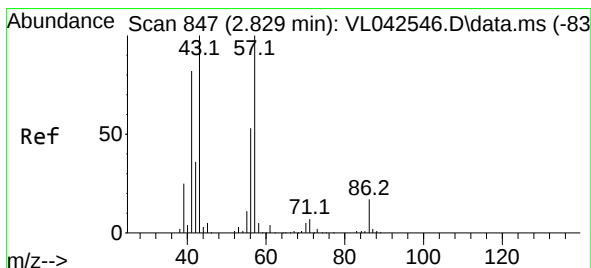
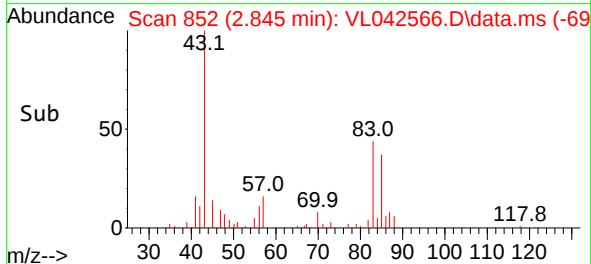
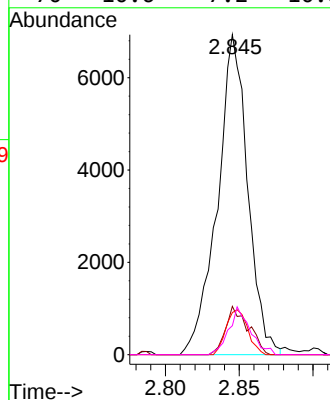
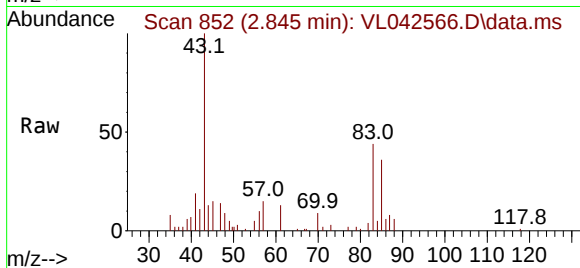




#25
Ethyl Acetate
Concen: 0.346 ppbv
RT: 2.845 min Scan# 81
Delta R.T. 0.006 min
Lab File: VL042566.D
Acq: 21 May 2025 15:18

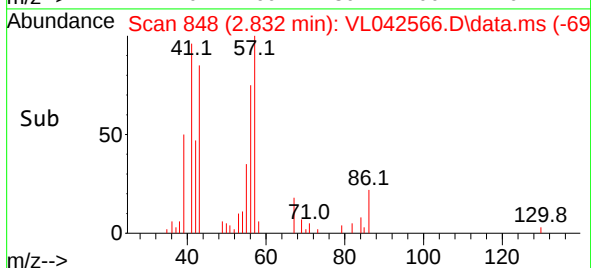
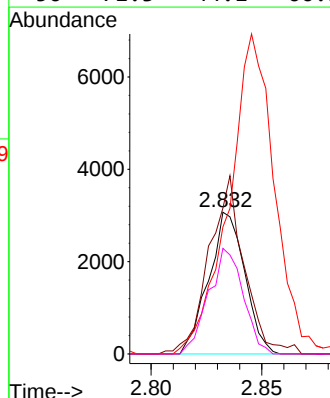
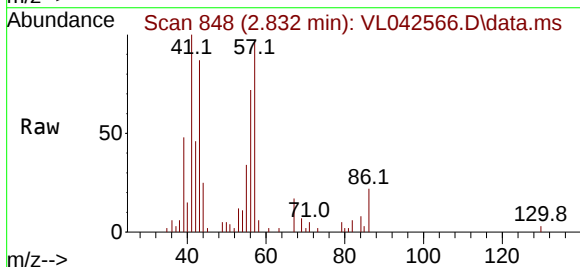
Instrument :
MSVOA_L
ClientSampleId :
MDL 0.45

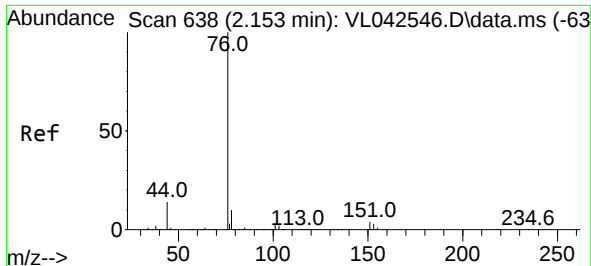
Tgt Ion: 43	Resp: 9896
Ion Ratio	Lower Upper
43 100	
45 11.4	8.0 12.0
61 10.1	7.5 11.3
70 10.6	7.2 10.8



#26
Hexane
Concen: 0.269 ppbv
RT: 2.832 min Scan# 848
Delta R.T. 0.003 min
Lab File: VL042566.D
Acq: 21 May 2025 15:18

Tgt Ion: 57	Resp: 3481
Ion Ratio	Lower Upper
57 100	
41 122.3	69.0 103.4#
43 291.0	174.2 261.2#
56 71.3	44.1 66.1#





#27

Carbon Disulfide

Concen: 0.482 ppbv

RT: 2.156 min Scan# 61

Delta R.T. 0.003 min

Lab File: VL042566.D

Acq: 21 May 2025 15:18

Instrument :

MSVOA_L

ClientSampleId :

MDL 0.45

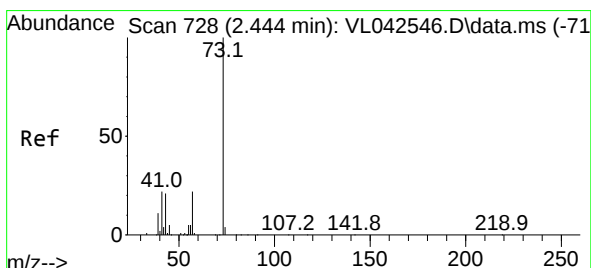
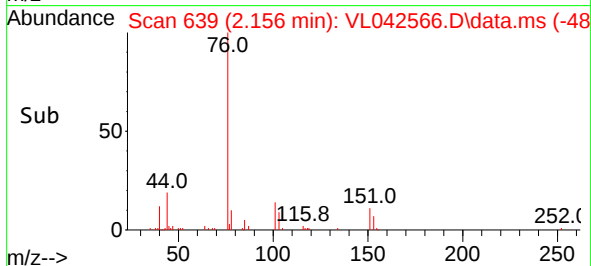
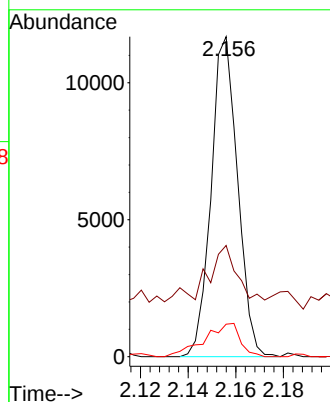
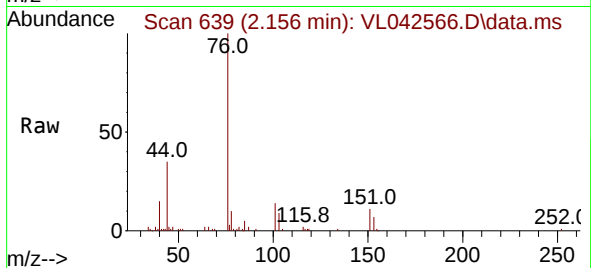
Tgt Ion: 76 Resp: 9027

Ion Ratio Lower Upper

76 100

44 53.9 14.0 21.0#

78 14.4 9.4 14.0#



#28

Methyl tert-Butyl Ether

Concen: 0.412 ppbv

RT: 2.447 min Scan# 729

Delta R.T. 0.003 min

Lab File: VL042566.D

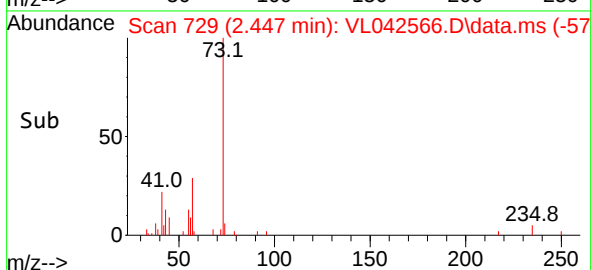
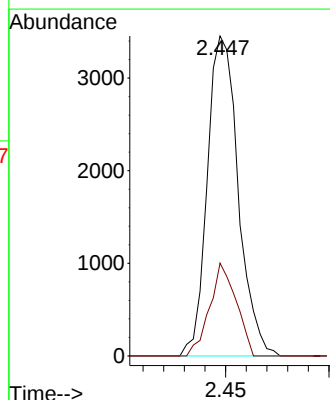
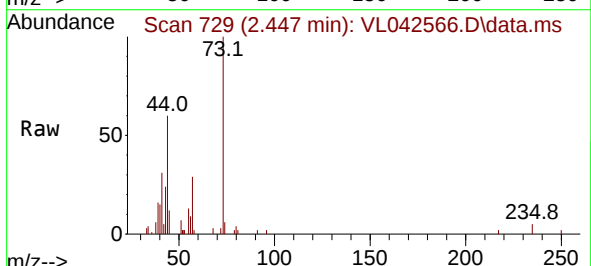
Acq: 21 May 2025 15:18

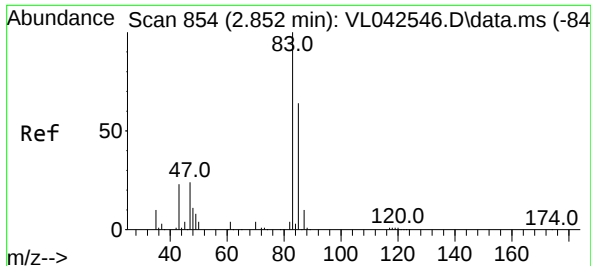
Tgt Ion: 73 Resp: 3589

Ion Ratio Lower Upper

73 100

57 24.9 17.2 25.8





#29

Chloroform

Concen: 0.479 ppbv

RT: 2.858 min Scan# 8

Delta R.T. 0.006 min

Lab File: VL042566.D

Acq: 21 May 2025 15:18

Instrument :

MSVOA_L

ClientSampleId :

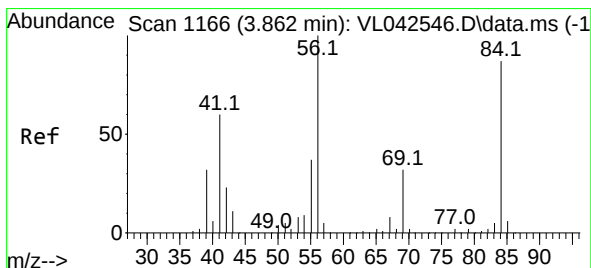
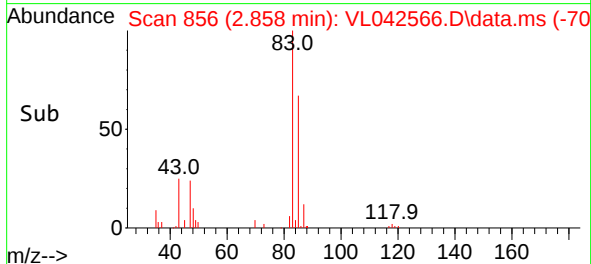
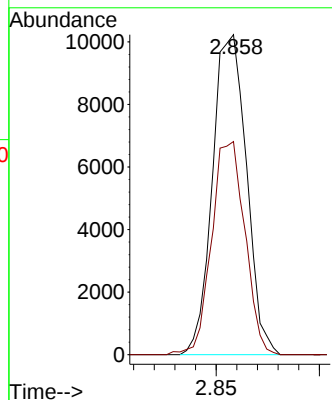
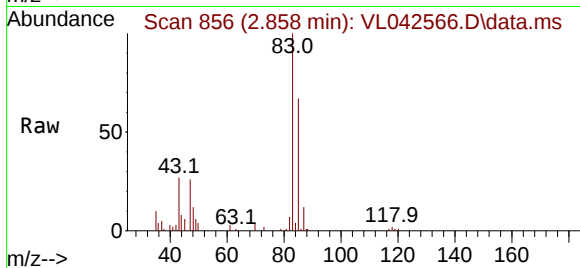
MDL 0.45

Tgt Ion: 83 Resp: 11704

Ion Ratio Lower Upper

83 100

85 66.6 51.6 77.4



#30

Cyclohexane

Concen: 0.242 ppbv

RT: 3.868 min Scan# 1168

Delta R.T. 0.006 min

Lab File: VL042566.D

Acq: 21 May 2025 15:18

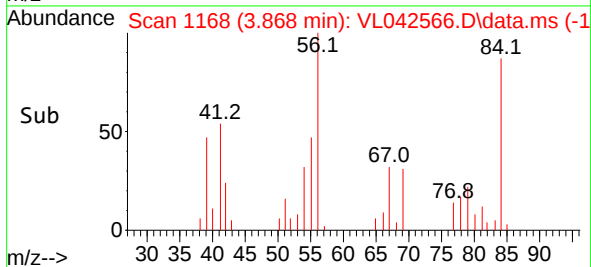
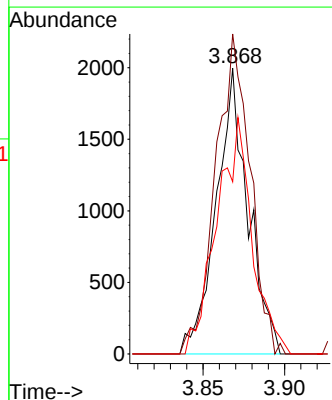
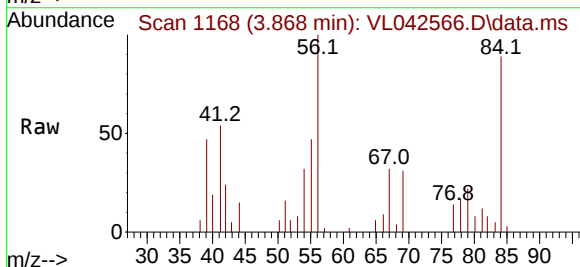
Tgt Ion: 84 Resp: 2703

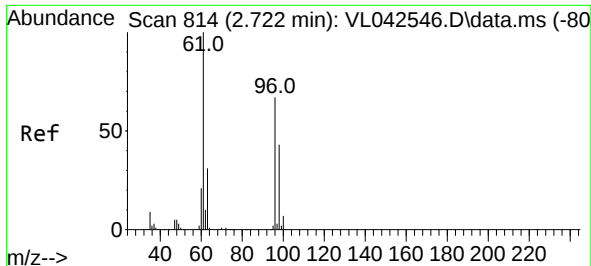
Ion Ratio Lower Upper

84 100

56 121.1 92.3 138.5

41 92.1 57.0 85.4#

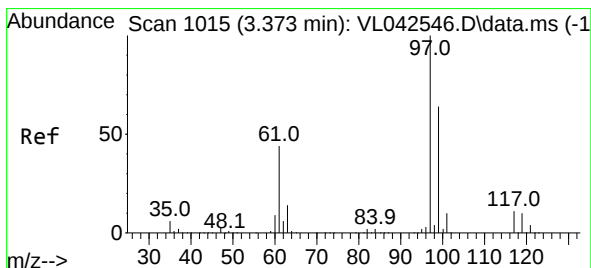
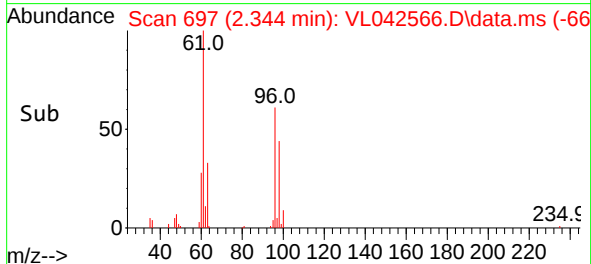
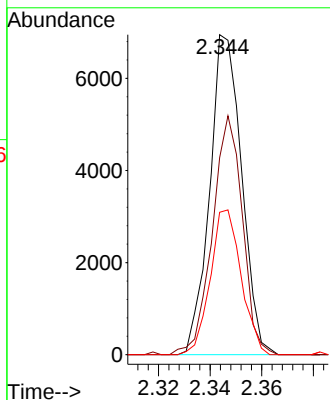
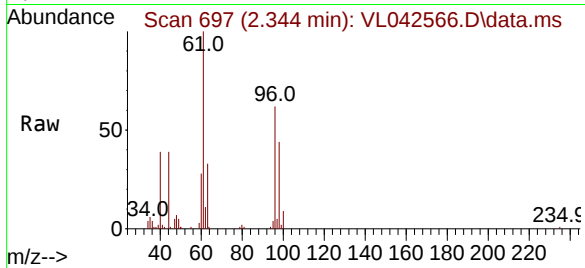




#31
 cis-1,2-Dichloroethene
 Concen: 0.421 ppbv
 RT: 2.344 min Scan# 61
 Delta R.T. -0.379 min
 Lab File: VL042566.D
 Acq: 21 May 2025 15:18

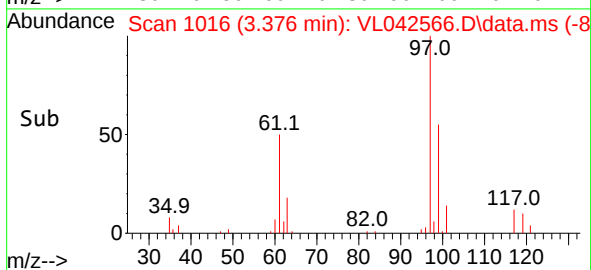
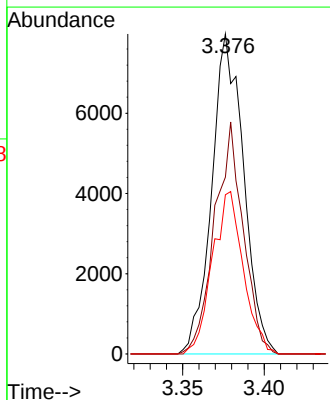
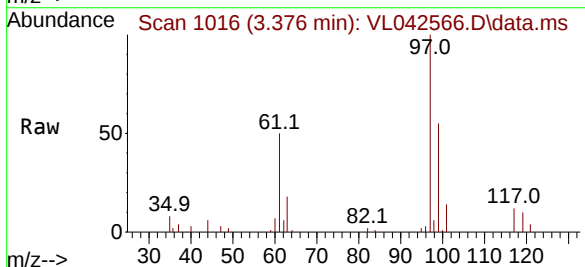
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL 0.45

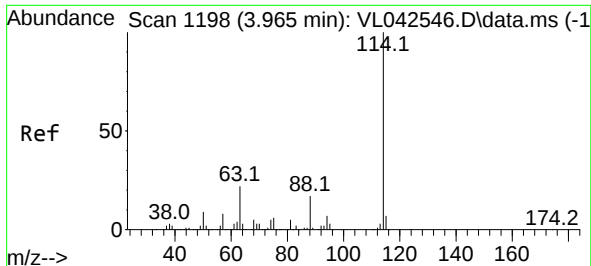
Tgt Ion: 61 Resp: 5982
 Ion Ratio Lower Upper
 61 100
 96 61.6 53.8 80.8
 98 44.5 34.5 51.7



#32
 1,1,1-Trichloroethane
 Concen: 0.432 ppbv
 RT: 3.376 min Scan# 1016
 Delta R.T. 0.003 min
 Lab File: VL042566.D
 Acq: 21 May 2025 15:18

Tgt Ion: 97 Resp: 10809
 Ion Ratio Lower Upper
 97 100
 99 65.1 51.5 77.3
 61 49.4 35.7 53.5





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.972 min Scan# 1198

Delta R.T. 0.006 min

Lab File: VL042566.D

Acq: 21 May 2025 15:18

Instrument :

MSVOA_1

ClientSampleId :

MDL 0.45

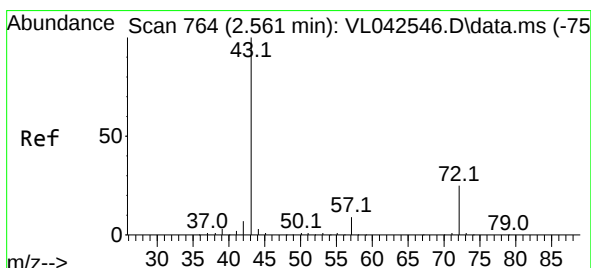
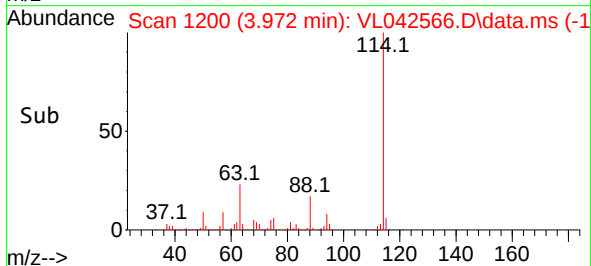
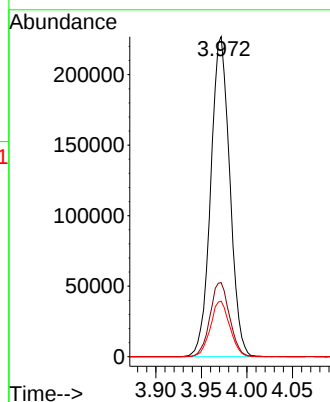
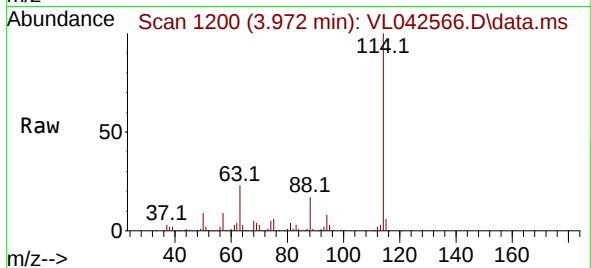
Tgt Ion:114 Resp: 329023

Ion Ratio Lower Upper

114 100

63 23.9 18.4 27.6

88 17.6 14.0 21.0



#34

2-Butanone

Concen: 0.405 ppbv

RT: 2.570 min Scan# 767

Delta R.T. 0.010 min

Lab File: VL042566.D

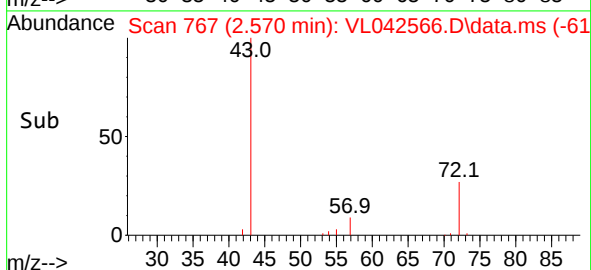
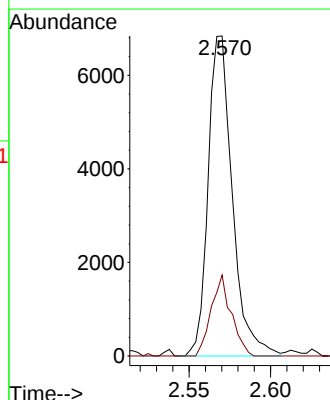
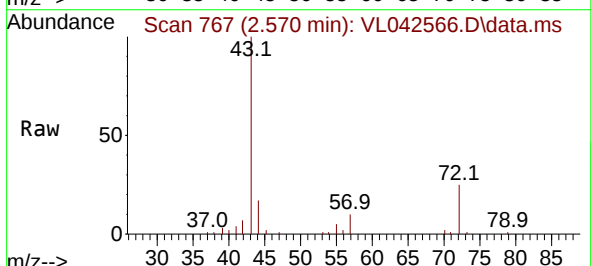
Acq: 21 May 2025 15:18

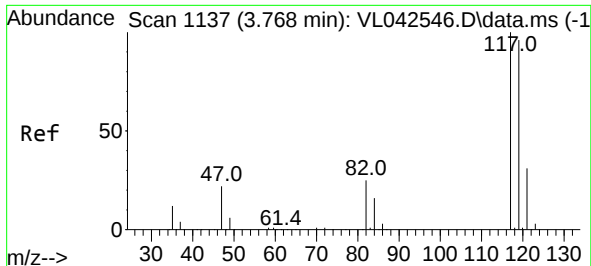
Tgt Ion: 43 Resp: 7073

Ion Ratio Lower Upper

43 100

72 21.0 20.5 30.7

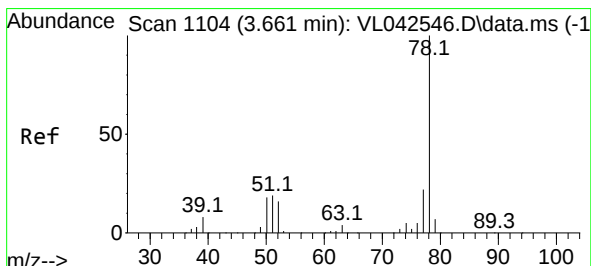
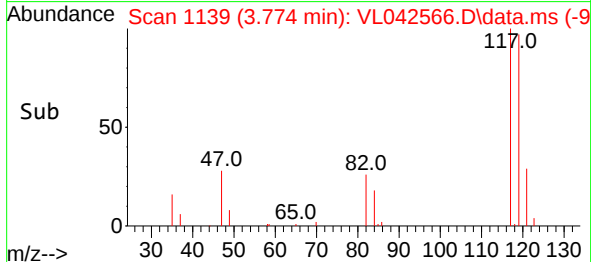
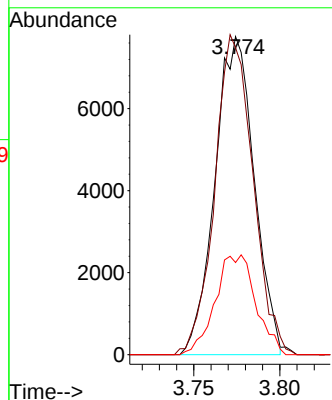
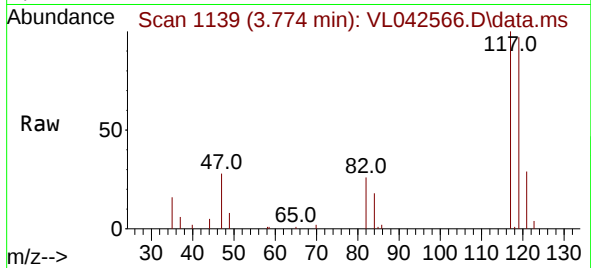




#35
Carbon Tetrachloride
Concen: 0.489 ppbv
RT: 3.774 min Scan# 1137
Delta R.T. 0.006 min
Lab File: VL042566.D
Acq: 21 May 2025 15:18

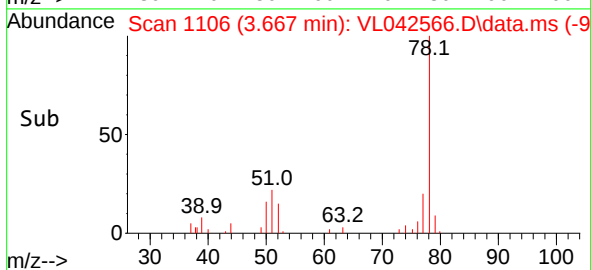
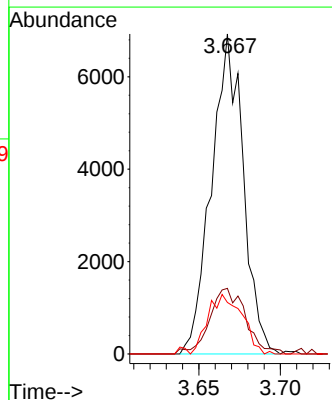
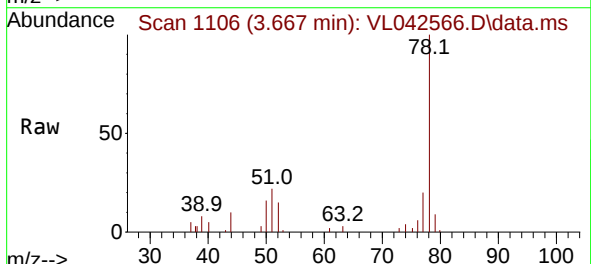
Instrument :
MSVOA_L
ClientSampleId :
MDL 0.45

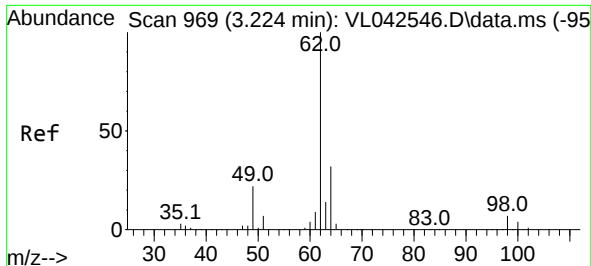
Tgt Ion:117 Resp: 12314
Ion Ratio Lower Upper
117 100
119 94.6 76.6 114.8
121 29.0 24.7 37.1



#36
Benzene
Concen: 0.352 ppbv
RT: 3.667 min Scan# 1106
Delta R.T. 0.006 min
Lab File: VL042566.D
Acq: 21 May 2025 15:18

Tgt Ion: 78 Resp: 9368
Ion Ratio Lower Upper
78 100
77 19.2 17.8 26.6
50 16.1 14.0 21.0

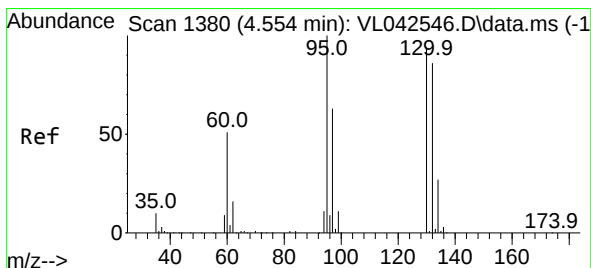
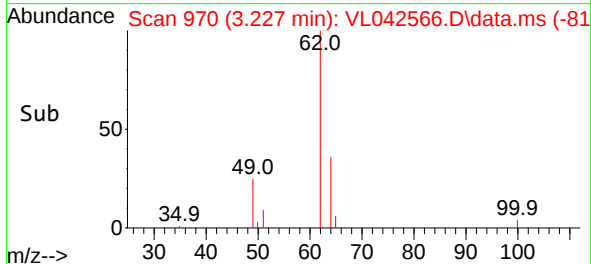
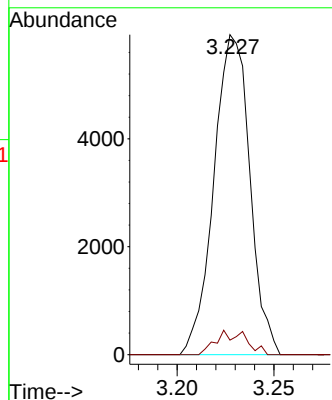
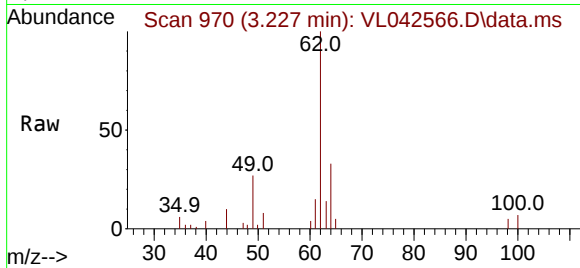




#37
1,2-Dichloroethane
Concen: 0.471 ppbv
RT: 3.227 min Scan# 91
Delta R.T. 0.003 min
Lab File: VL042566.D
Acq: 21 May 2025 15:18

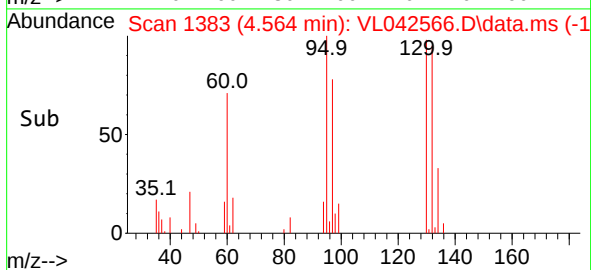
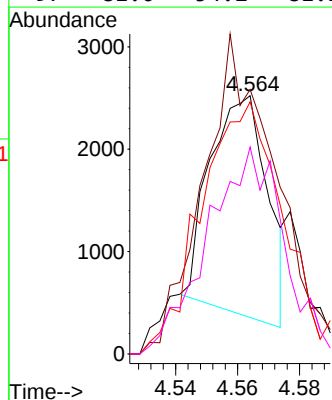
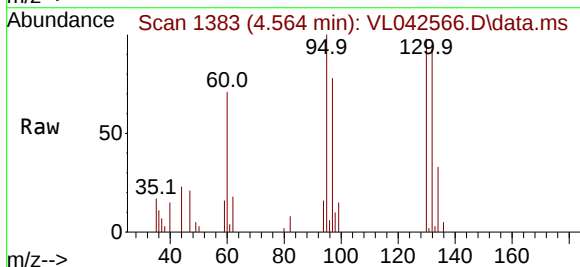
Instrument :
MSVOA_L
ClientSampleId :
MDL 0.45

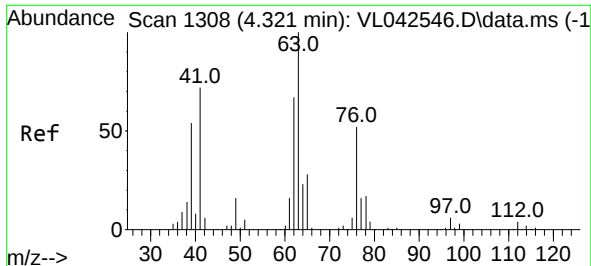
Tgt Ion: 62 Resp: 7656
Ion Ratio Lower Upper
62 100
98 6.3 5.5 8.3



#38
Trichloroethene
Concen: 0.224 ppbv
RT: 4.564 min Scan# 1383
Delta R.T. 0.010 min
Lab File: VL042566.D
Acq: 21 May 2025 15:18

Tgt Ion: 130 Resp: 2725
Ion Ratio Lower Upper
130 100
95 97.2 85.2 127.8
132 106.0 73.4 110.2
97 81.0 54.2 81.2





#39

1,2-Dichloropropane

Concen: 0.446 ppbv

RT: 4.328 min Scan# 1308

Delta R.T. 0.006 min

Lab File: VL042566.D

Acq: 21 May 2025 15:18

Instrument :

MSVOA_L

ClientSampleId :

MDL 0.45

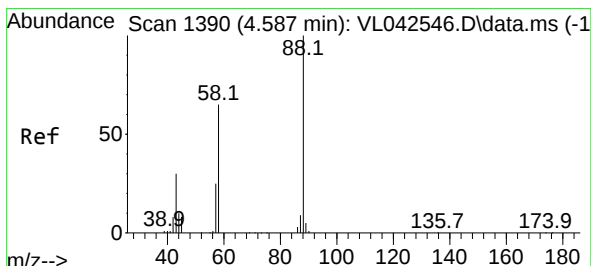
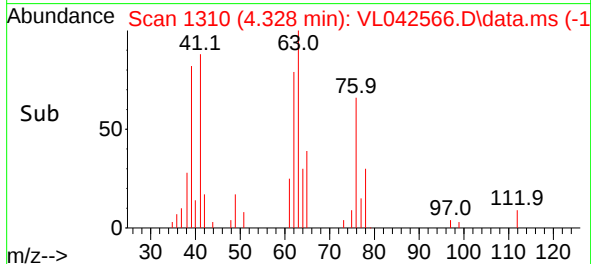
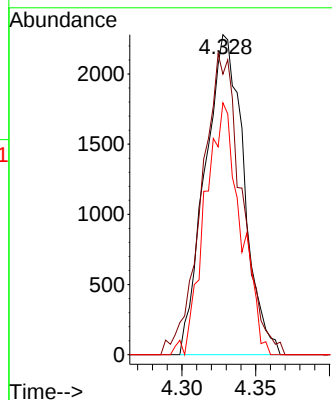
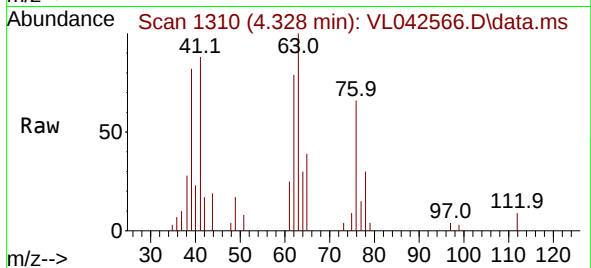
Tgt Ion: 63 Resp: 4164

Ion Ratio Lower Upper

63 100

41 83.8 58.0 87.0

62 78.7 53.3 79.9



#40

1,4-Dioxane

Concen: 0.099 ppbv

RT: 4.613 min Scan# 1398

Delta R.T. 0.026 min

Lab File: VL042566.D

Acq: 21 May 2025 15:18

Tgt Ion: 88 Resp: 414

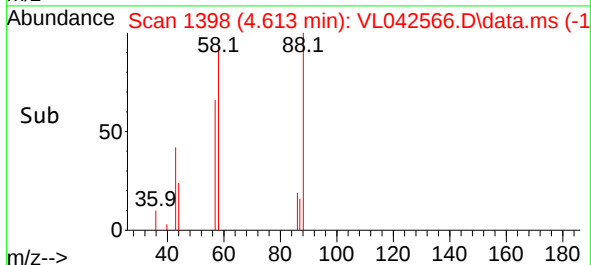
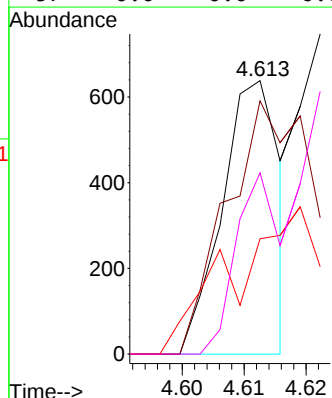
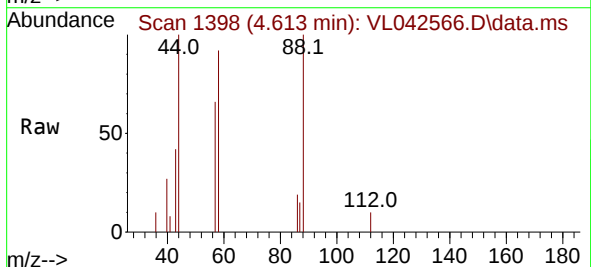
Ion Ratio Lower Upper

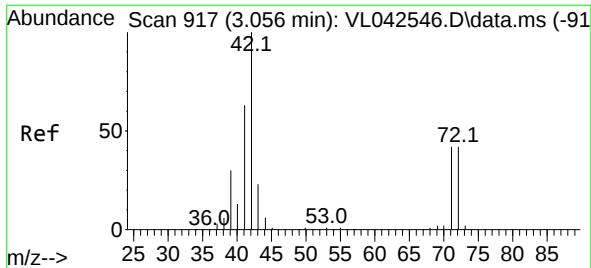
88 100

58 272.5 52.8 79.2#

43 0.0 23.0 34.4#

57 0.0 0.0 0.0

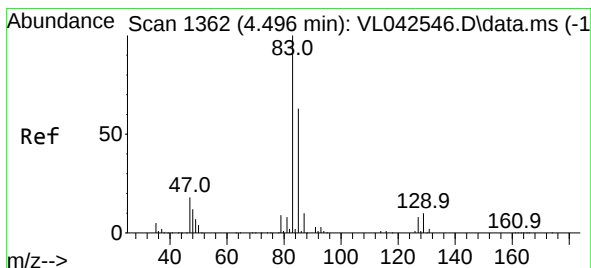
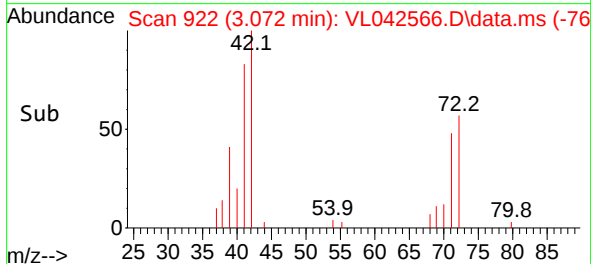
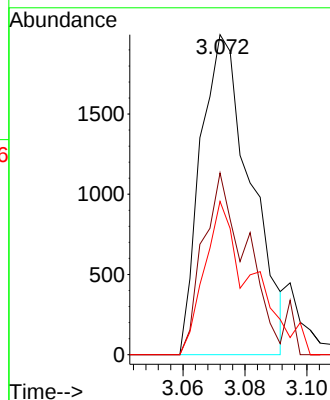
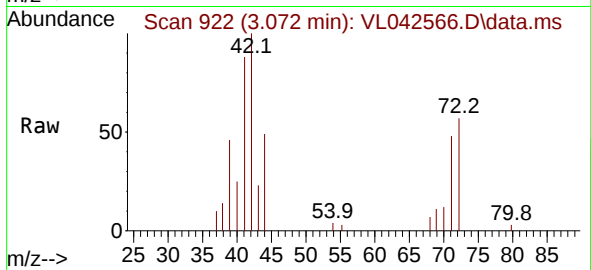




#41
Tetrahydrofuran
Concen: 0.262 ppbv
RT: 3.072 min Scan# 917
Delta R.T. 0.016 min
Lab File: VL042566.D
Acq: 21 May 2025 15:18

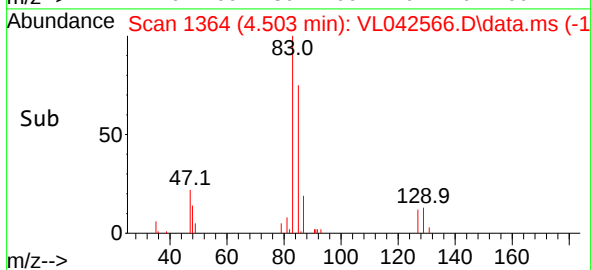
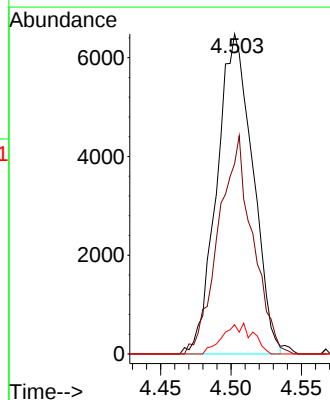
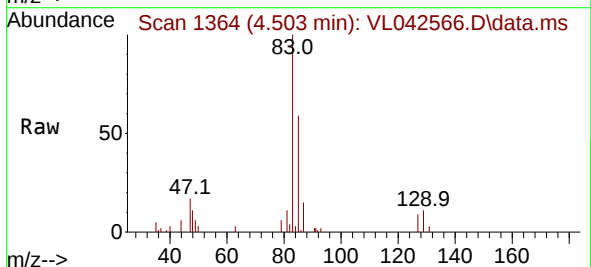
Instrument :
MSVOA_L
ClientSampleId :
MDL 0.45

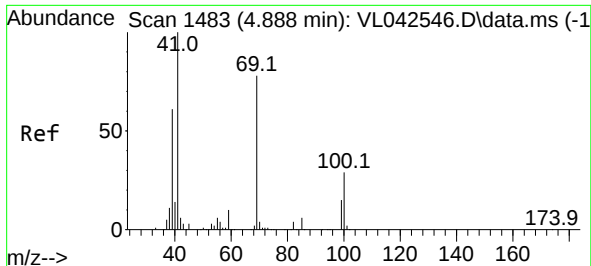
Tgt Ion:	42	Resp:	2234
Ion	Ratio	Lower	Upper
42	100		
72	52.0	34.8	52.2
71	45.5	33.6	50.4



#42
Bromodichloromethane
Concen: 0.501 ppbv
RT: 4.503 min Scan# 1364
Delta R.T. 0.006 min
Lab File: VL042566.D
Acq: 21 May 2025 15:18

Tgt Ion:	83	Resp:	11494
Ion	Ratio	Lower	Upper
83	100		
85	59.5	50.4	75.6
127	9.1	6.5	9.7

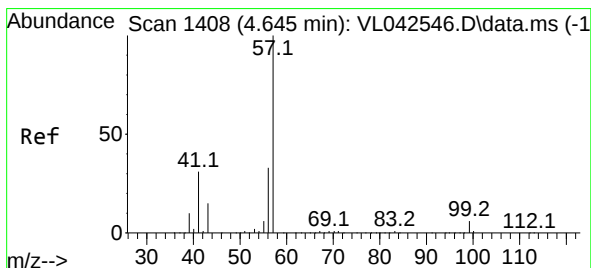
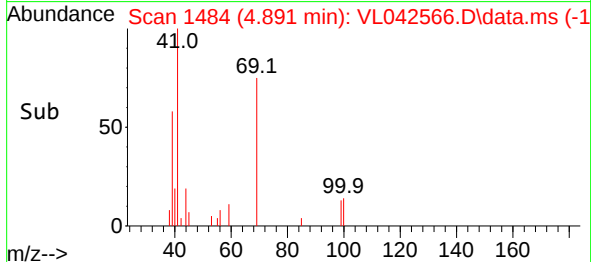
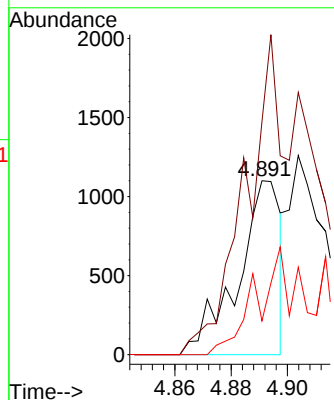
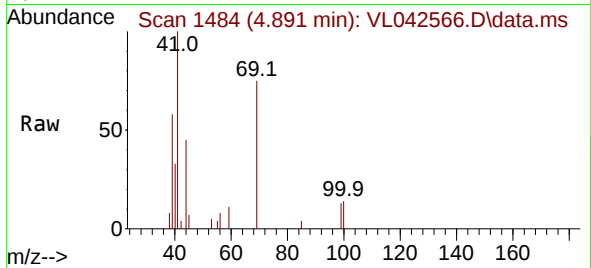




#43
Methyl Methacrylate
Concen: 0.128 ppbv
RT: 4.891 min Scan# 1411
Delta R.T. 0.003 min
Lab File: VL042566.D
Acq: 21 May 2025 15:18

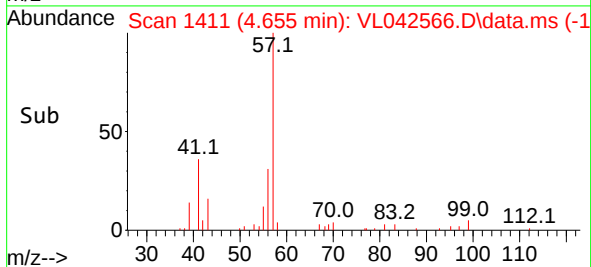
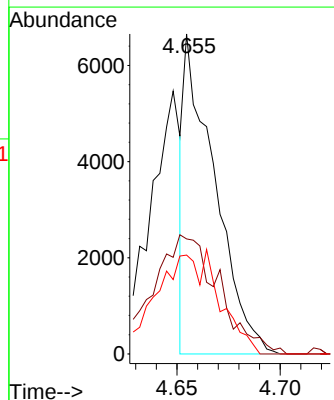
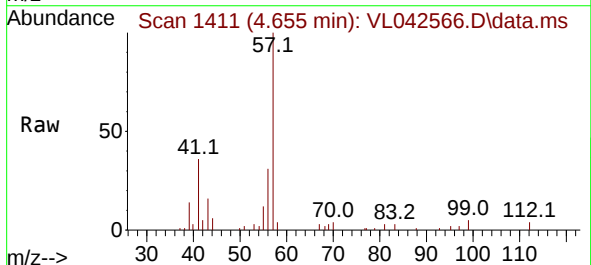
Instrument :
MSVOA_1
ClientSampleId :
MDL 0.45

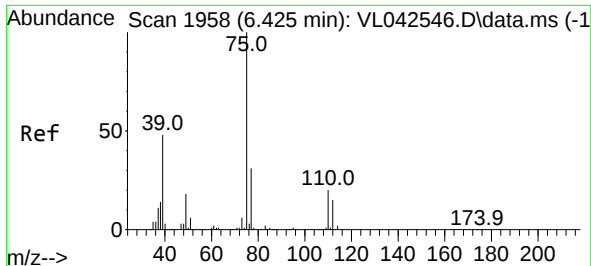
Tgt Ion: 69 Resp: 1156
Ion Ratio Lower Upper
69 100
41 305.8 107.8 161.8#
100 0.0 30.3 45.5#



#44
2,2,4-Trimethylpentane
Concen: 0.167 ppbv
RT: 4.655 min Scan# 1411
Delta R.T. 0.010 min
Lab File: VL042566.D
Acq: 21 May 2025 15:18

Tgt Ion: 57 Resp: 6821
Ion Ratio Lower Upper
57 100
41 82.1 25.0 37.4#
56 65.8 25.1 37.7#





#45

t-1,3-Dichloropropene

Concen: 0.074 ppbv

RT: 6.432 min Scan# 1958

Delta R.T. 0.006 min

Lab File: VL042566.D

Acq: 21 May 2025 15:18

Instrument :

MSVOA_L

ClientSampleId :

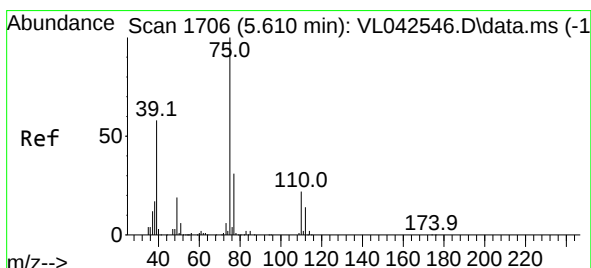
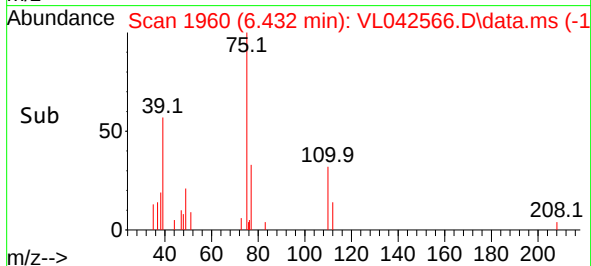
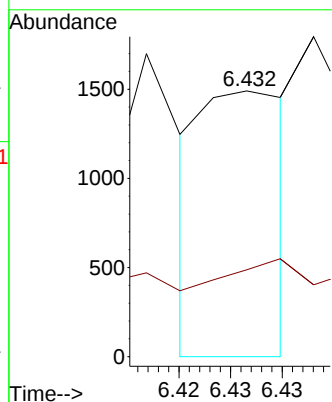
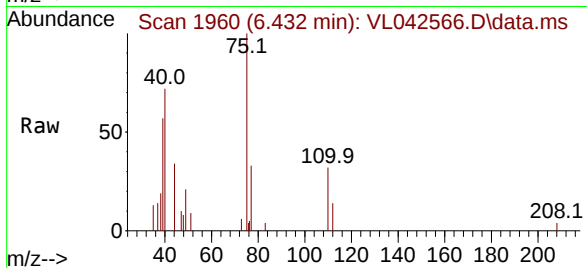
MDL 0.45

Tgt Ion: 75 Resp: 855

Ion Ratio Lower Upper

75 100

77 32.7 24.6 37.0



#46

cis-1,3-Dichloropropene

Concen: 0.219 ppbv

RT: 5.619 min Scan# 1709

Delta R.T. 0.010 min

Lab File: VL042566.D

Acq: 21 May 2025 15:18

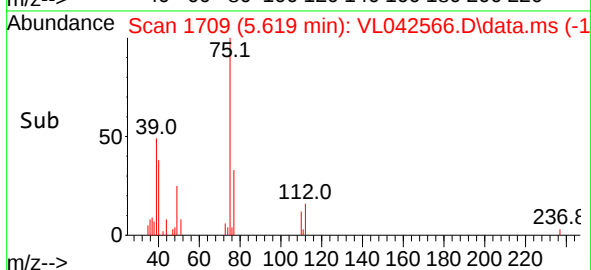
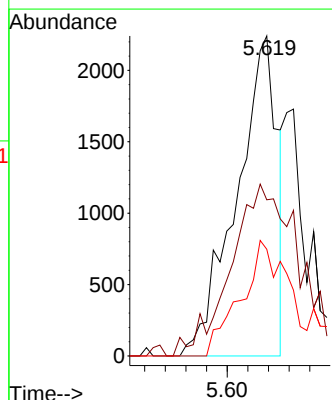
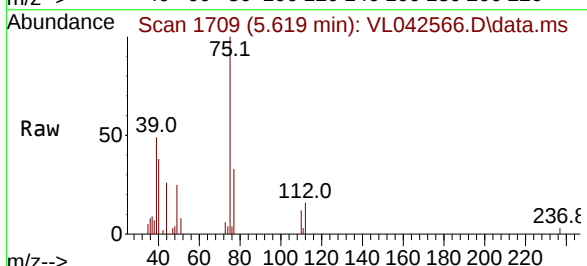
Tgt Ion: 75 Resp: 3072

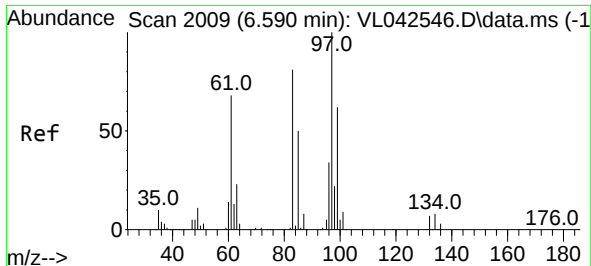
Ion Ratio Lower Upper

75 100

39 43.0 46.3 69.5#

77 33.3 25.0 37.6

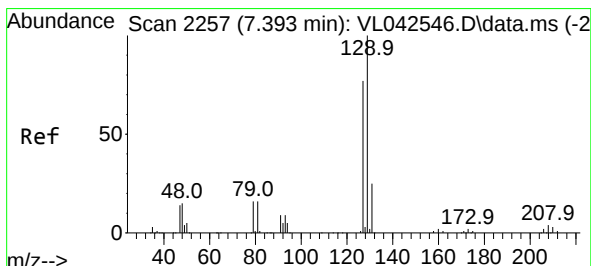
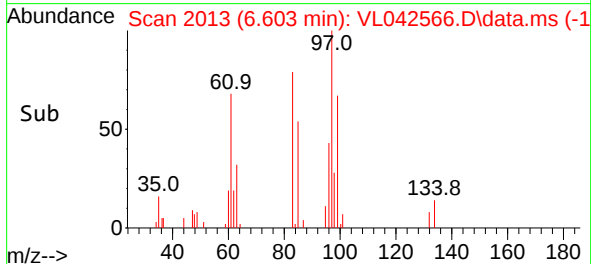
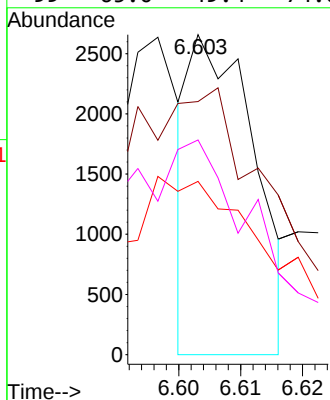
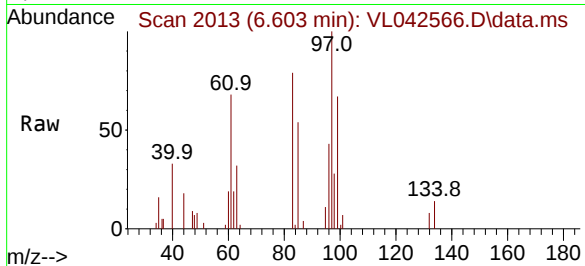




#47
1,1,2-Trichloroethane
Concen: 0.171 ppbv
RT: 6.603 min Scan# 2013
Delta R.T. 0.013 min
Lab File: VL042566.D
Acq: 21 May 2025 15:18

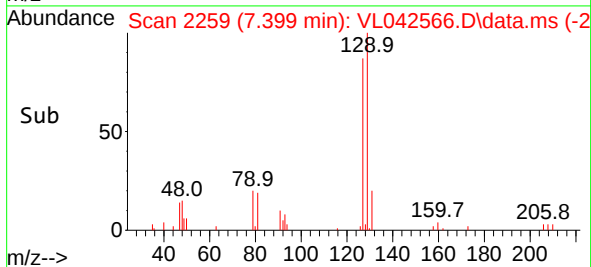
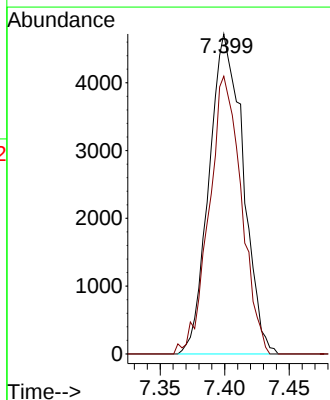
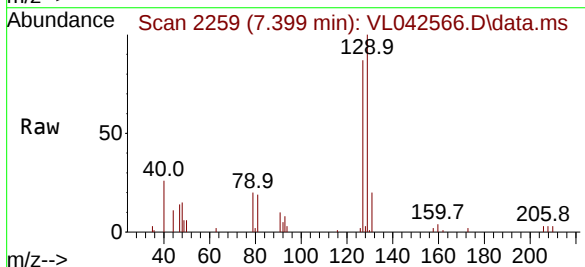
Instrument :
MSVOA_L
ClientSampleId :
MDL 0.45

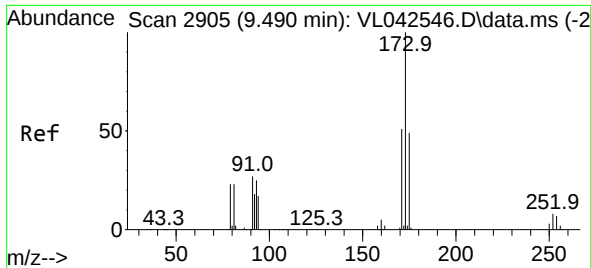
Tgt Ion: 97	Resp: 1919
Ion Ratio	Lower Upper
97 100	
83 45.7	65.0 97.4#
85 43.3	39.9 59.9
99 65.0	49.4 74.0



#48
Dibromochloromethane
Concen: 0.448 ppbv
RT: 7.399 min Scan# 2259
Delta R.T. 0.006 min
Lab File: VL042566.D
Acq: 21 May 2025 15:18

Tgt Ion:129	Resp:	8671	
Ion	Ratio	Lower	Upper
129	100		
127	82.0	39.0	117.0





#49

Bromoform

Concen: 0.432 ppbv

RT: 9.493 min Scan# 2905

Delta R.T. 0.003 min

Lab File: VL042566.D

Acq: 21 May 2025 15:18

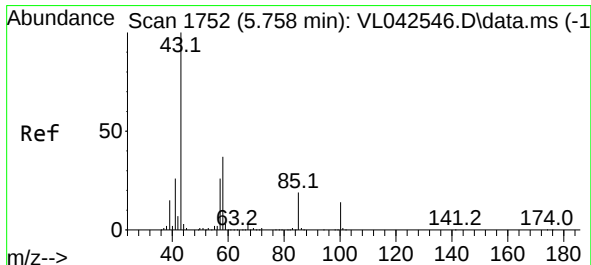
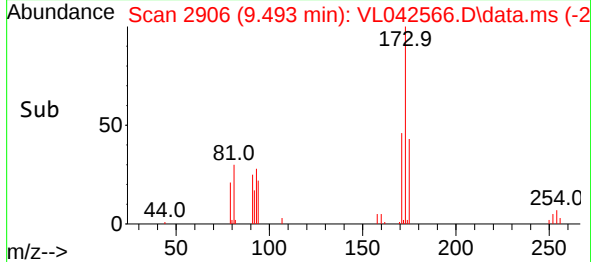
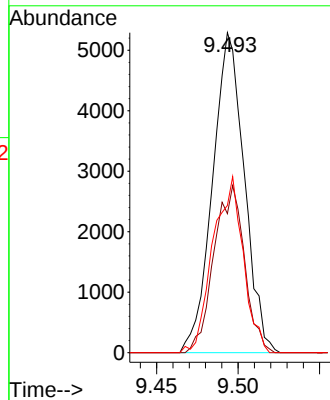
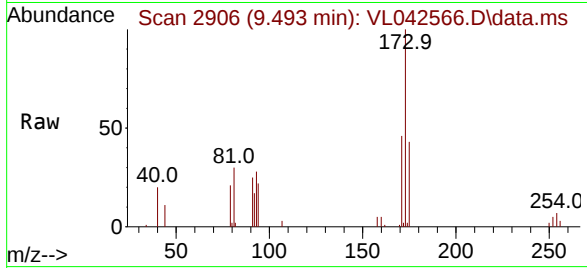
Instrument :

MSVOA_L

ClientSampleId :

MDL 0.45

Tgt Ion:173	Resp:	7150
Ion	Ratio	Lower Upper
173	100	
175	50.2	39.2 58.8
171	52.3	41.9 62.9



#50

4-Methyl-2-Pentanone

Concen: 0.255 ppbv

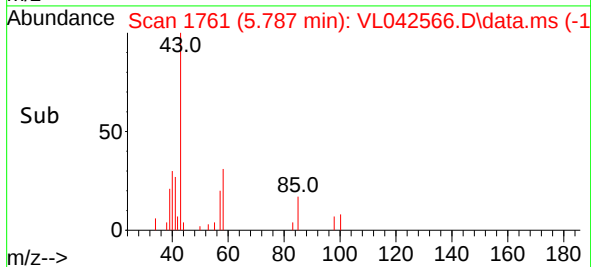
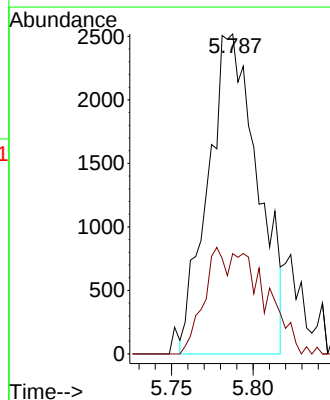
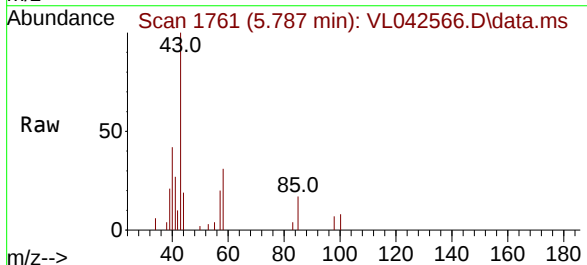
RT: 5.787 min Scan# 1761

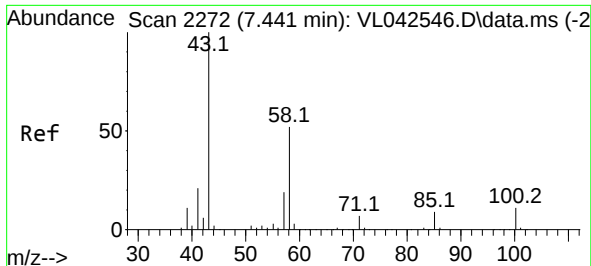
Delta R.T. 0.029 min

Lab File: VL042566.D

Acq: 21 May 2025 15:18

Tgt Ion: 43	Resp:	5344
Ion	Ratio	Lower Upper
43	100	
58	39.0	30.0 45.0

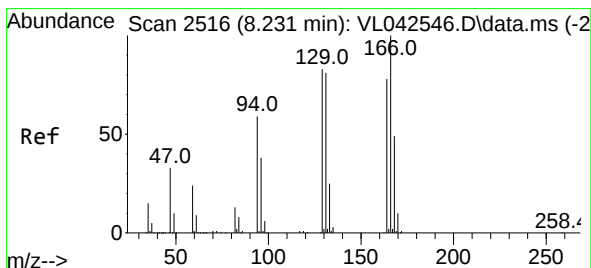
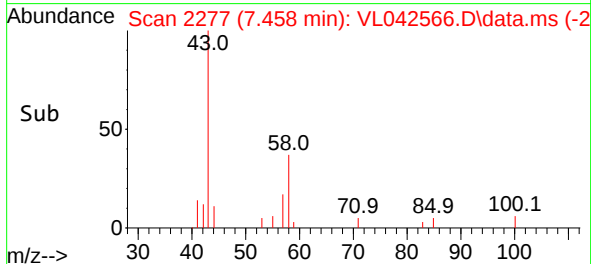
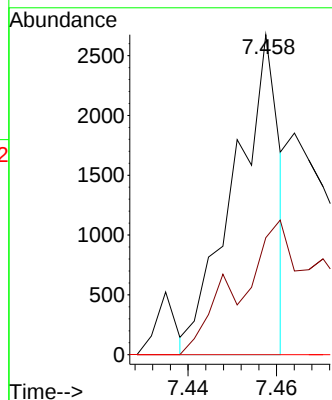
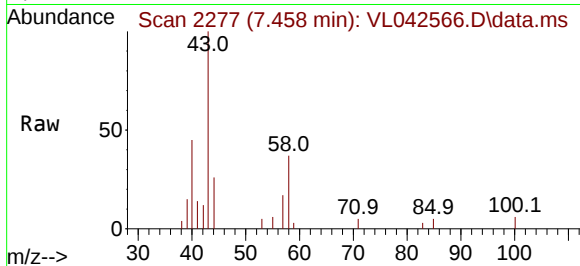




#51
2-Hexanone
Concen: 0.123 ppbv
RT: 7.458 min Scan# 21
Delta R.T. 0.016 min
Lab File: VL042566.D
Acq: 21 May 2025 15:18

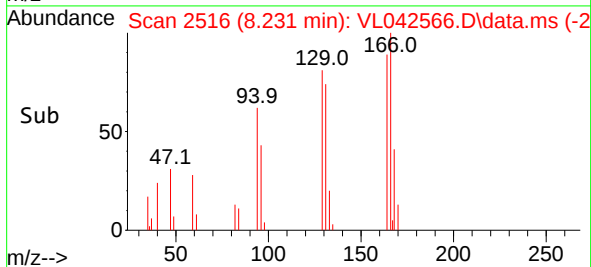
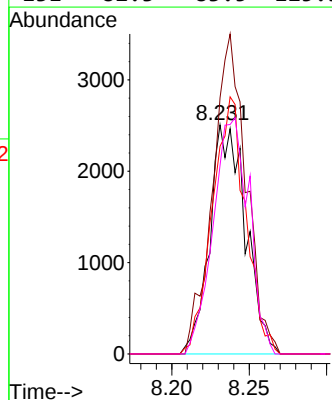
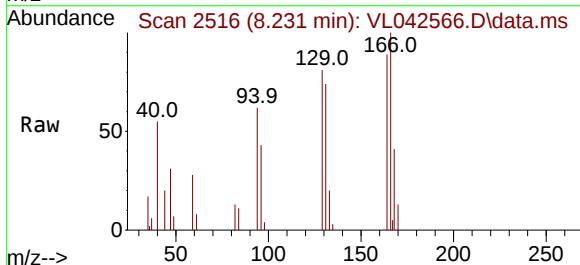
Instrument :
MSVOA_L
ClientSampleId :
MDL 0.45

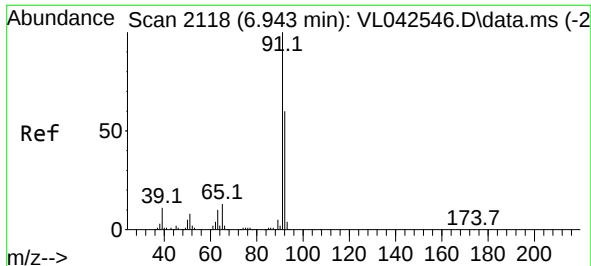
Tgt Ion: 43 Resp: 1895
Ion Ratio Lower Upper
43 100
58 0.0 41.4 62.2#
98 0.0 0.4 0.6#



#52
Tetrachloroethene
Concen: 0.388 ppbv
RT: 8.231 min Scan# 2516
Delta R.T. -0.000 min
Lab File: VL042566.D
Acq: 21 May 2025 15:18

Tgt Ion: 164 Resp: 4032
Ion Ratio Lower Upper
164 100
166 111.8 103.1 154.7
129 90.6 85.3 127.9
131 82.3 83.5 125.3#





#53

Toluene

Concen: 0.015 ppbv

RT: 7.406 min Scan# 2118

Delta R.T. 0.463 min

Lab File: VL042566.D

Acq: 21 May 2025 15:18

Instrument :

MSVOA_L

ClientSampleId :

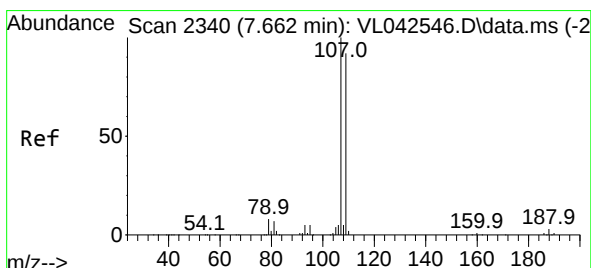
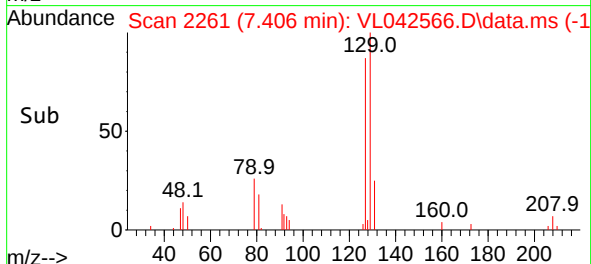
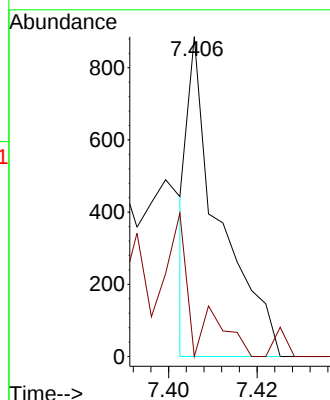
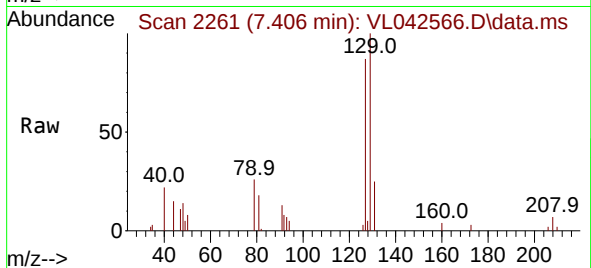
MDL 0.45

Tgt Ion: 91 Resp: 436

Ion Ratio Lower Upper

91 100

92 70.0 47.8 71.8



#54

1,2-Dibromoethane

Concen: 0.391 ppbv

RT: 7.668 min Scan# 2342

Delta R.T. 0.006 min

Lab File: VL042566.D

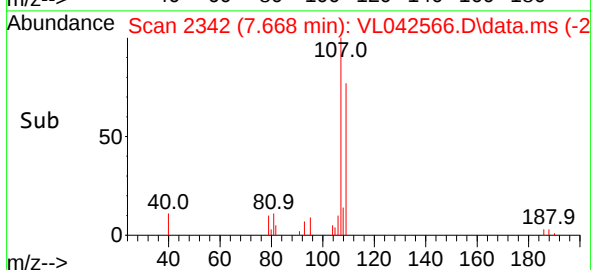
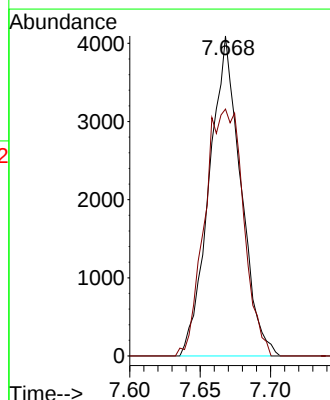
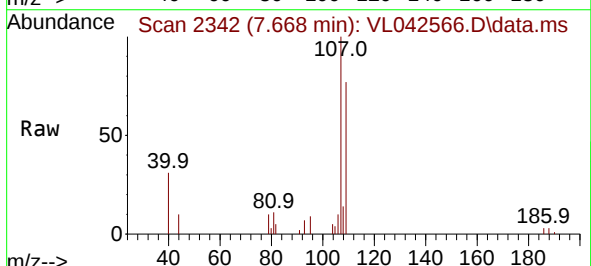
Acq: 21 May 2025 15:18

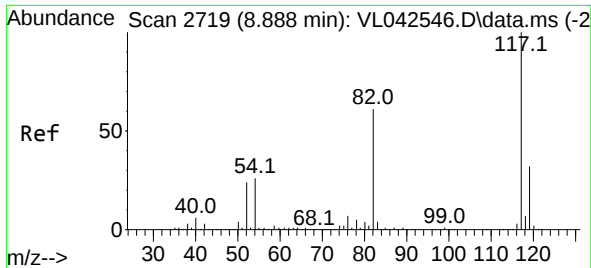
Tgt Ion: 107 Resp: 6381

Ion Ratio Lower Upper

107 100

109 77.1 73.4 110.2

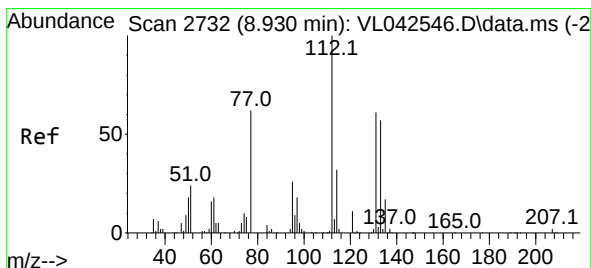
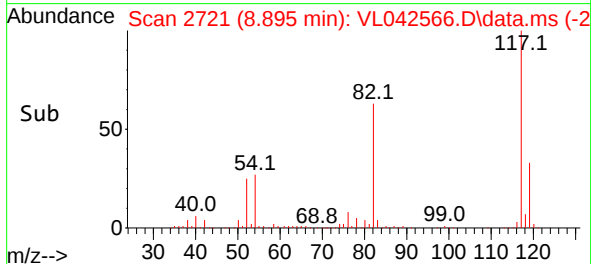
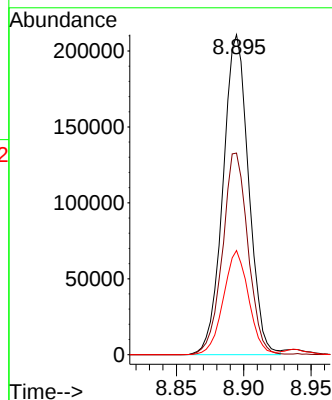
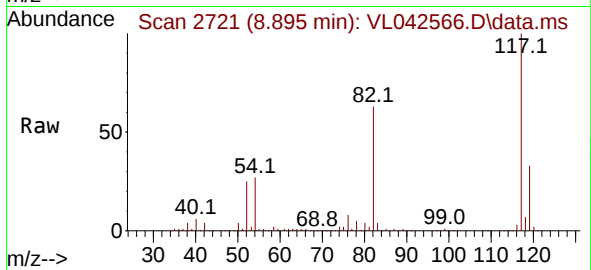




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.895 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL042566.D
Acq: 21 May 2025 15:18

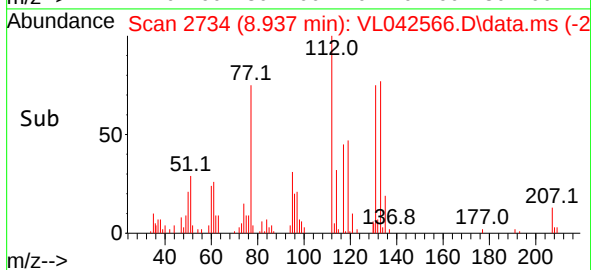
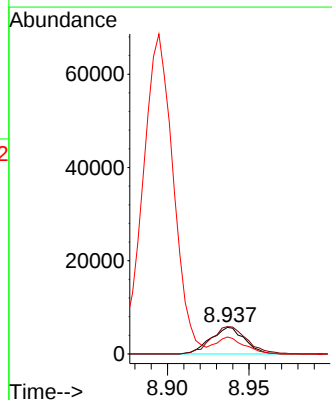
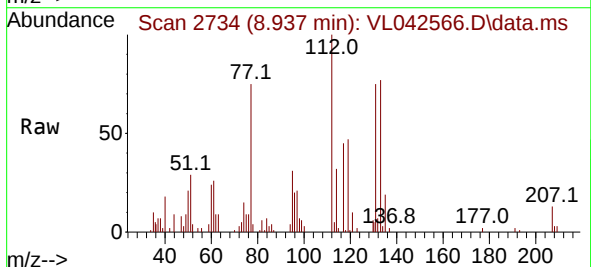
Instrument :
MSVOA_L
ClientSampleId :
MDL 0.45

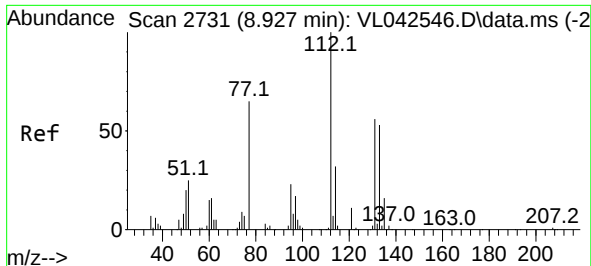
Tgt Ion:117 Resp: 278631
Ion Ratio Lower Upper
117 100
82 62.9 51.0 76.4
119 33.7 27.0 40.4



#56
1,1,1,2-Tetrachloroethane
Concen: 0.557 ppbv
RT: 8.937 min Scan# 2734
Delta R.T. 0.006 min
Lab File: VL042566.D
Acq: 21 May 2025 15:18

Tgt Ion:131 Resp: 8268
Ion Ratio Lower Upper
131 100
133 108.7 76.3 114.5
119 1136.7 47.5 71.3#

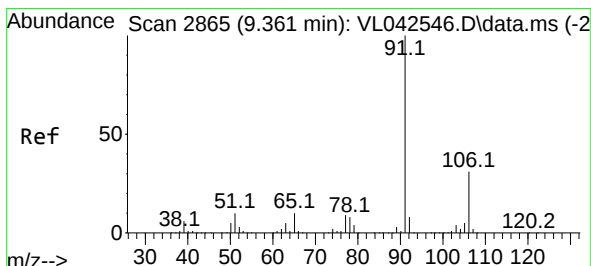
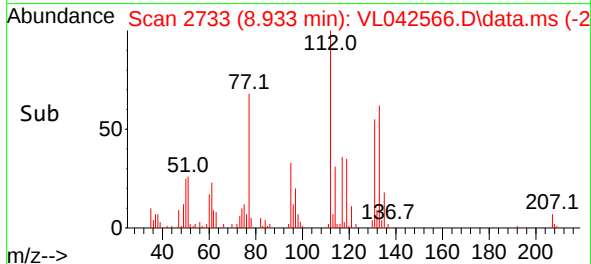
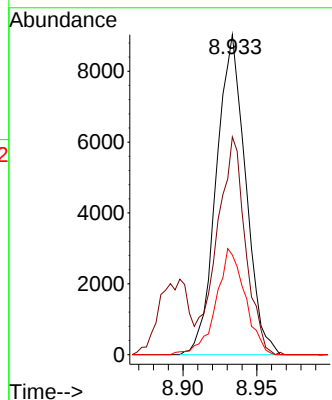
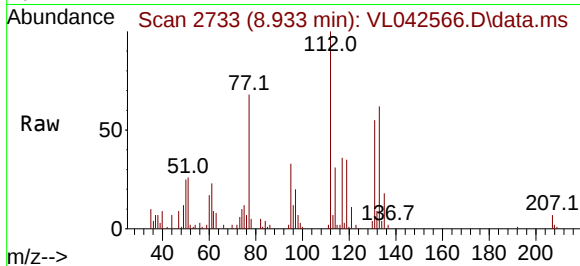




#57
Chlorobenzene
Concen: 0.502 ppbv
RT: 8.933 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL042566.D
Acq: 21 May 2025 15:18

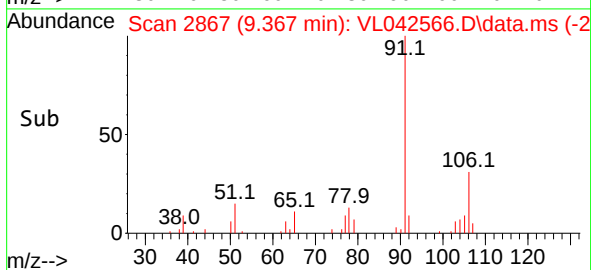
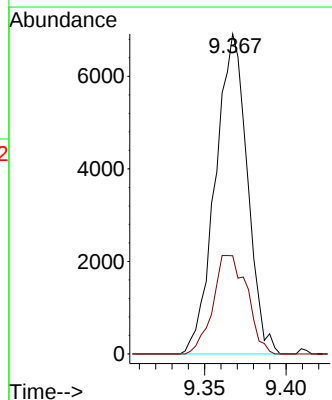
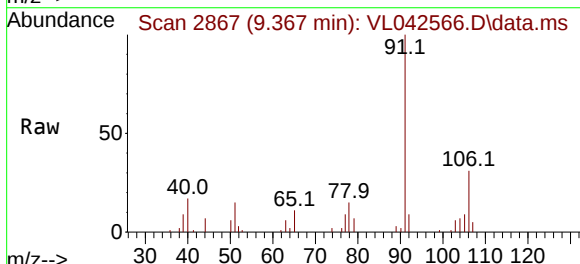
Instrument :
MSVOA_1
ClientSampleId :
MDL 0.45

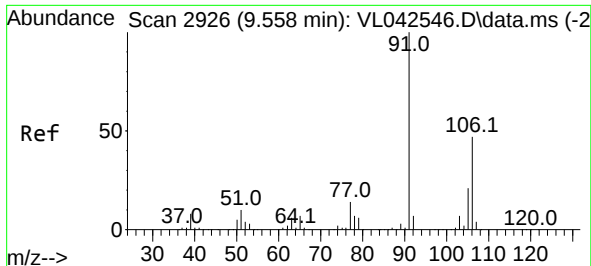
Tgt Ion:	112	Resp:	12451
Ion Ratio	Lower	Upper	
112	100		
77	67.3	53.2	79.8
114	33.3	28.4	34.8



#58
Ethyl Benzene
Concen: 0.259 ppbv
RT: 9.367 min Scan# 2867
Delta R.T. 0.006 min
Lab File: VL042566.D
Acq: 21 May 2025 15:18

Tgt Ion:	91	Resp:	9433
Ion Ratio	Lower	Upper	
91	100		
106	30.7	24.6	37.0





#59

m/p-Xylene

Concen: 0.215 ppbv

RT: 9.561 min Scan# 2926

Delta R.T. 0.003 min

Lab File: VL042566.D

Acq: 21 May 2025 15:18

Instrument :

MSVOA_1

ClientSampleId :

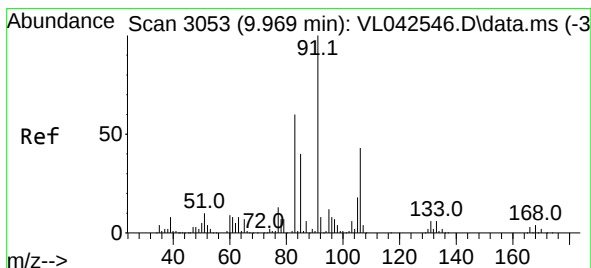
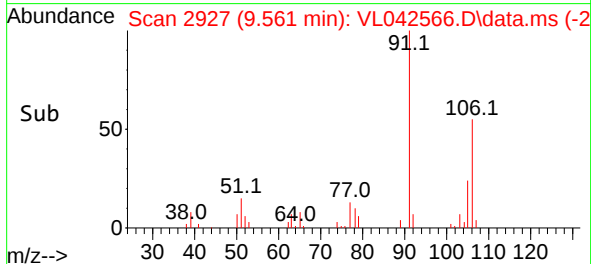
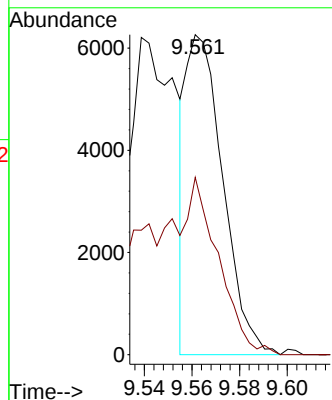
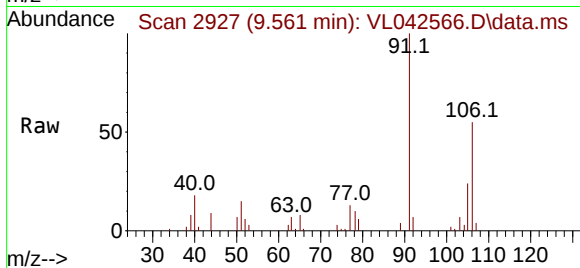
MDL 0.45

Tgt Ion: 91 Resp: 6711

Ion Ratio Lower Upper

91 100

106 108.5 37.1 55.7#



#60

o-Xylene

Concen: 0.248 ppbv

RT: 9.972 min Scan# 3054

Delta R.T. 0.003 min

Lab File: VL042566.D

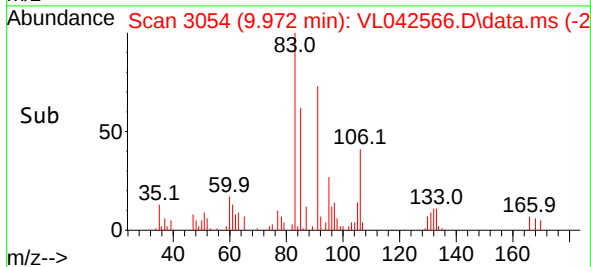
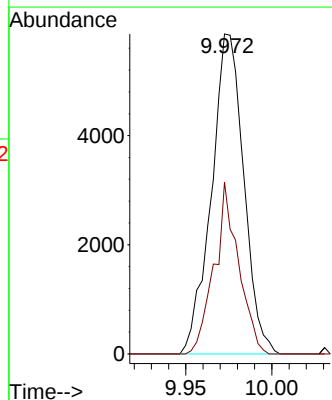
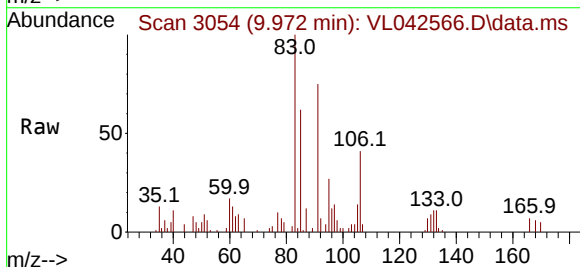
Acq: 21 May 2025 15:18

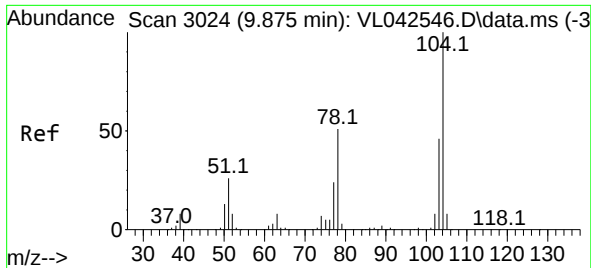
Tgt Ion: 91 Resp: 7660

Ion Ratio Lower Upper

91 100

106 40.2 21.6 64.8

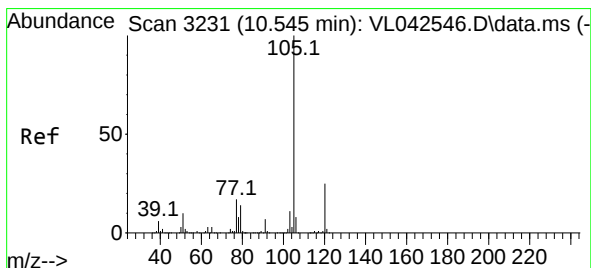
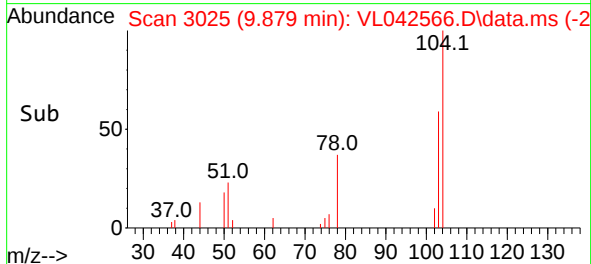
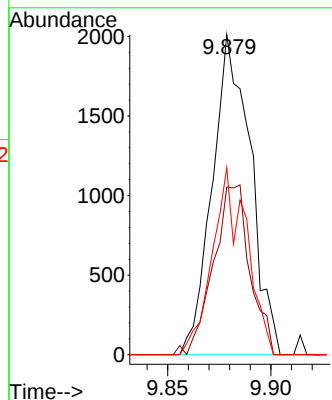
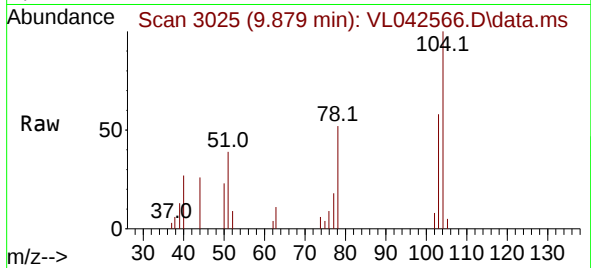




#61
Styrene
Concen: 0.218 ppbv
RT: 9.879 min Scan# 3024
Delta R.T. 0.003 min
Lab File: VL042566.D
Acq: 21 May 2025 15:18

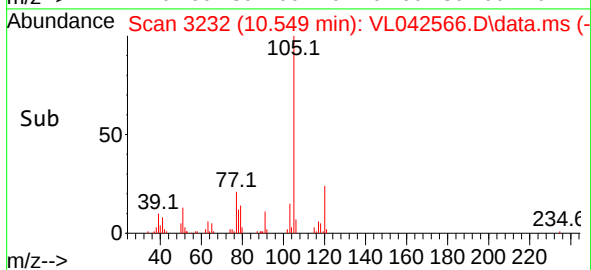
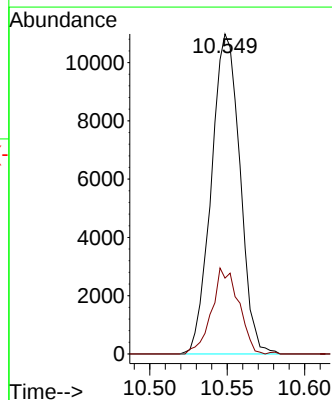
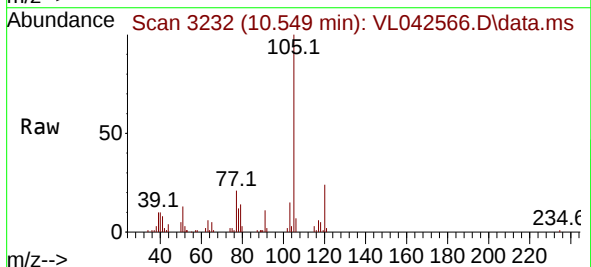
Instrument :
MSVOA_1
ClientSampleId :
MDL 0.45

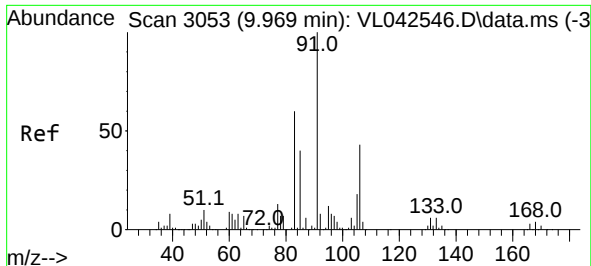
Tgt Ion:104 Resp: 2581
Ion Ratio Lower Upper
104 100
78 50.7 39.2 58.8
103 52.6 37.1 55.7



#62
Isopropylbenzene
Concen: 0.298 ppbv
RT: 10.549 min Scan# 3232
Delta R.T. 0.003 min
Lab File: VL042566.D
Acq: 21 May 2025 15:18

Tgt Ion:105 Resp: 14089
Ion Ratio Lower Upper
105 100
120 25.4 20.0 30.0

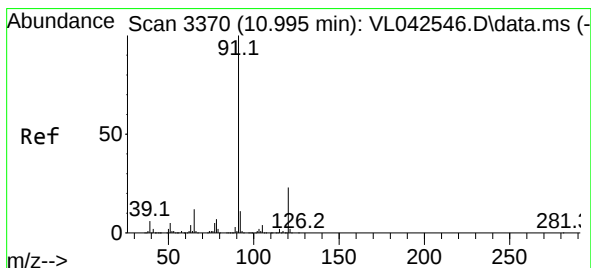
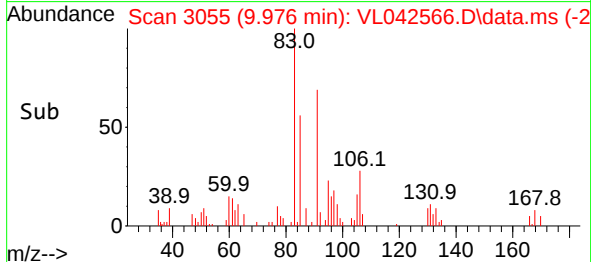
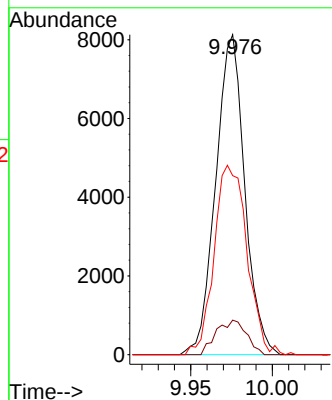
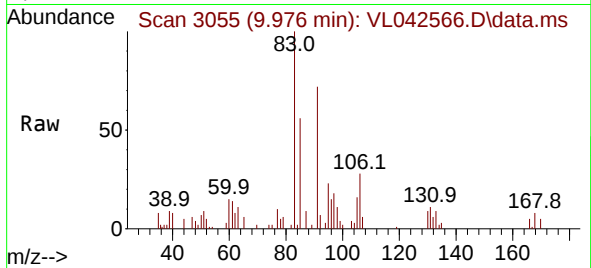




#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.487 ppbv
 RT: 9.976 min Scan# 3053
 Delta R.T. 0.006 min
 Lab File: VL042566.D
 Acq: 21 May 2025 15:18

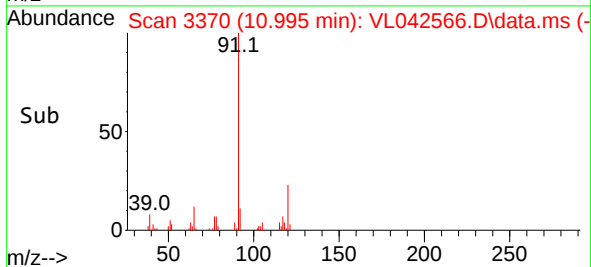
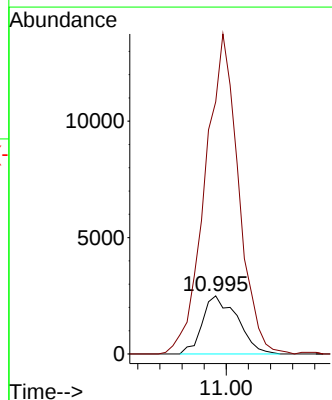
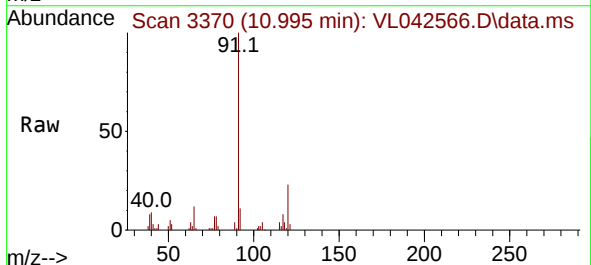
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL 0.45

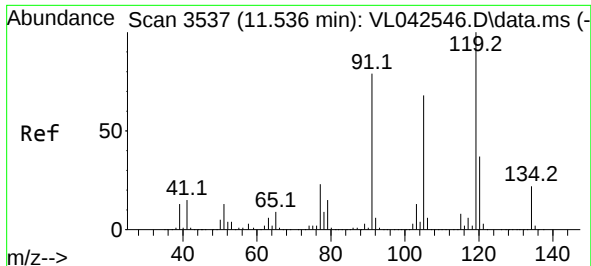
Tgt Ion: 83 Resp: 10044
 Ion Ratio Lower Upper
 83 100
 131 11.3 5.1 15.3
 85 67.0 32.5 97.4



#64
 n-propylbenzene
 Concen: 0.233 ppbv
 RT: 10.995 min Scan# 3370
 Delta R.T. -0.000 min
 Lab File: VL042566.D
 Acq: 21 May 2025 15:18

Tgt Ion: 120 Resp: 2743
 Ion Ratio Lower Upper
 120 100
 91 527.3 367.0 550.4

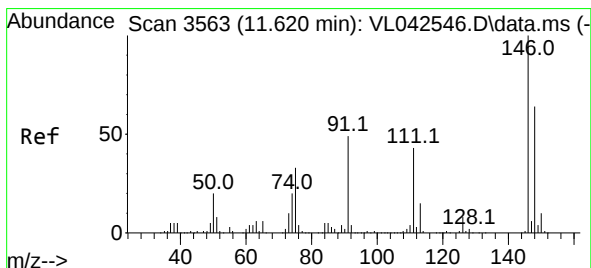
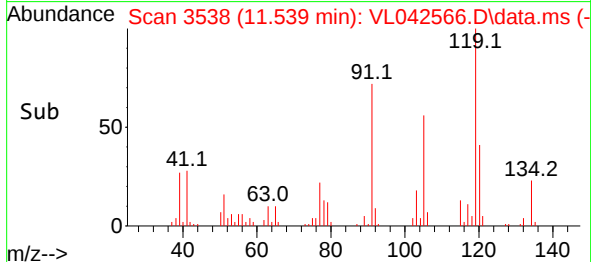
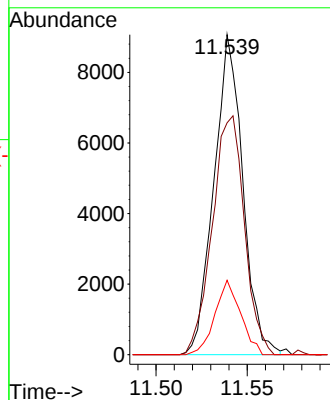
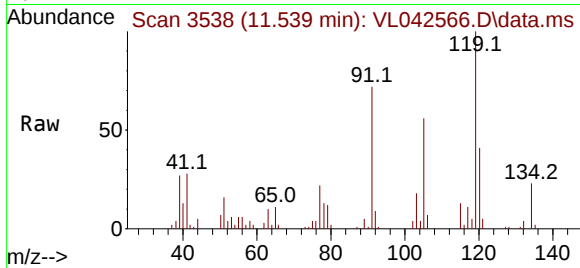




#65
tert-Butylbenzene
Concen: 0.235 ppbv
RT: 11.539 min Scan# 3538
Delta R.T. 0.003 min
Lab File: VL042566.D
Acq: 21 May 2025 15:18

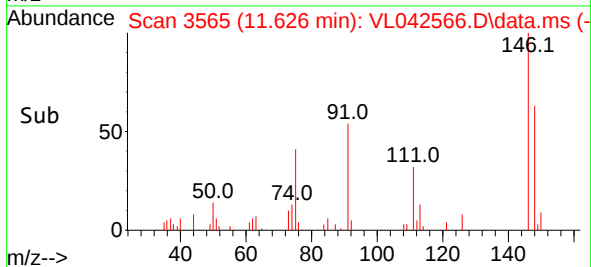
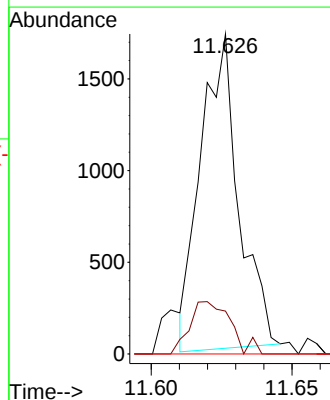
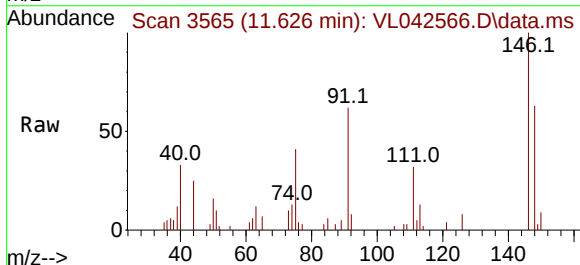
Instrument :
MSVOA_L
ClientSampleId :
MDL 0.45

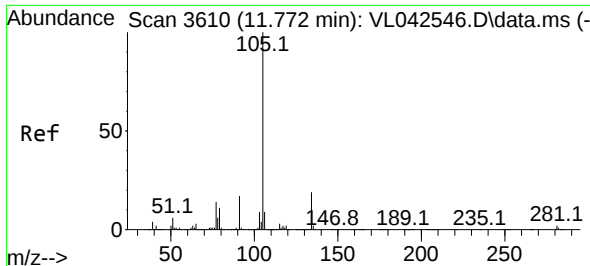
Tgt Ion:119 Resp: 9972
Ion Ratio Lower Upper
119 100
91 83.4 62.7 94.1
134 20.7 16.8 25.2



#66
Benzyl Chloride
Concen: 0.303 ppbv
RT: 11.626 min Scan# 3565
Delta R.T. 0.006 min
Lab File: VL042566.D
Acq: 21 May 2025 15:18

Tgt Ion: 91 Resp: 1611
Ion Ratio Lower Upper
91 100
126 18.0 14.2 21.2
128 0.0 4.6 6.8#

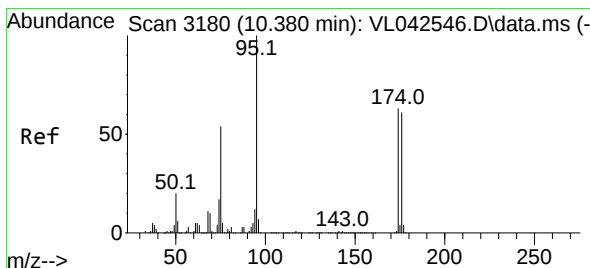
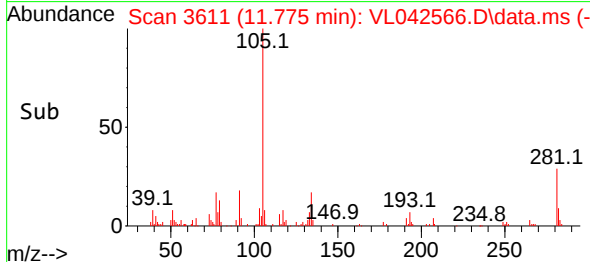
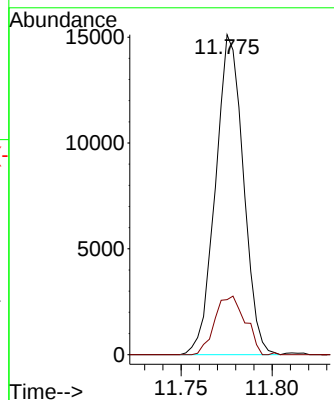
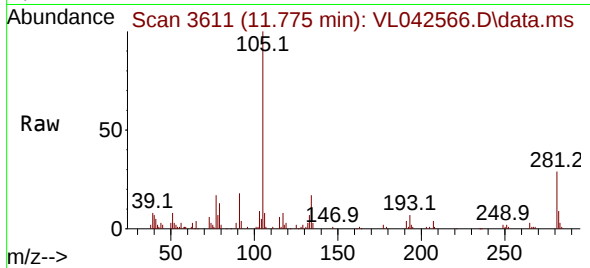




#67
 sec-Butylbenzene
 Concen: 0.268 ppbv
 RT: 11.775 min Scan# 3611
 Delta R.T. 0.003 min
 Lab File: VL042566.D
 Acq: 21 May 2025 15:18

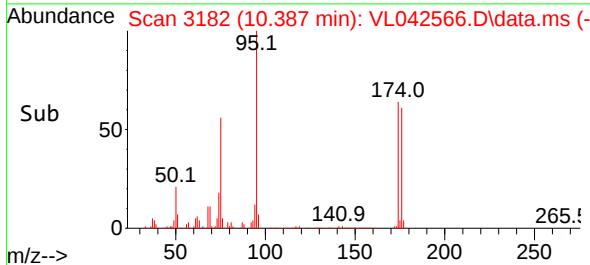
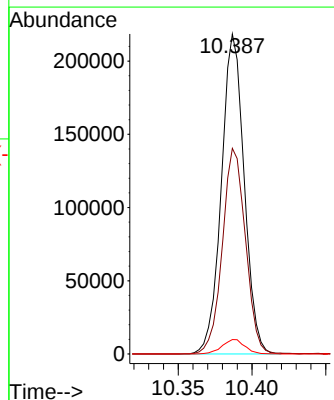
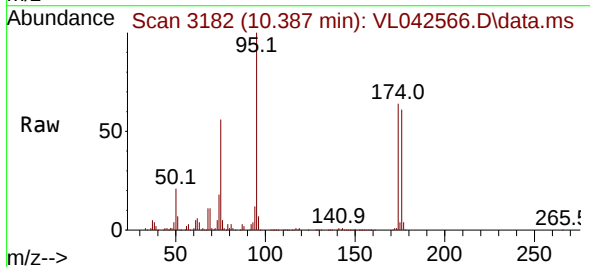
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL 0.45

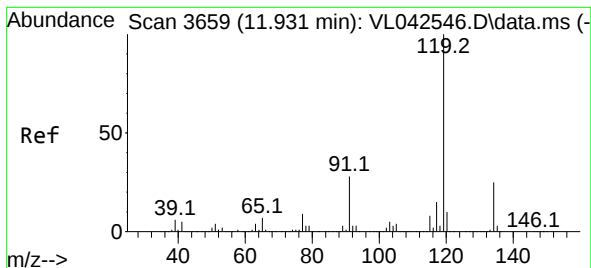
Tgt Ion:105 Resp: 16066
 Ion Ratio Lower Upper
 105 100
 134 20.1 15.4 23.2



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.525 ppbv
 RT: 10.387 min Scan# 3182
 Delta R.T. 0.006 min
 Lab File: VL042566.D
 Acq: 21 May 2025 15:18

Tgt Ion: 95 Resp: 234712
 Ion Ratio Lower Upper
 95 100
 174 65.2 52.0 78.0
 175 4.5 3.8 5.6





#69

p-Isopropyltoluene

Concen: 0.244 ppbv

RT: 11.934 min Scan# 3660

Delta R.T. 0.003 min

Lab File: VL042566.D

Acq: 21 May 2025 15:18

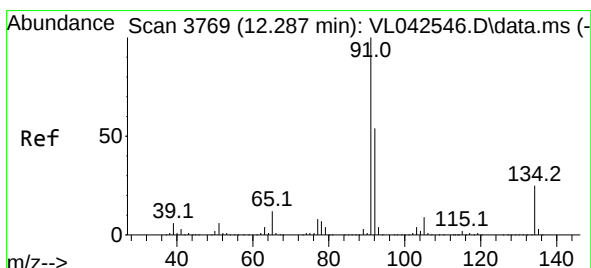
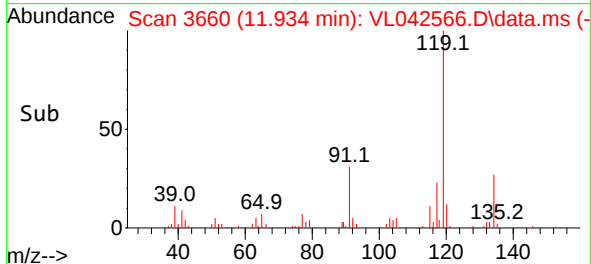
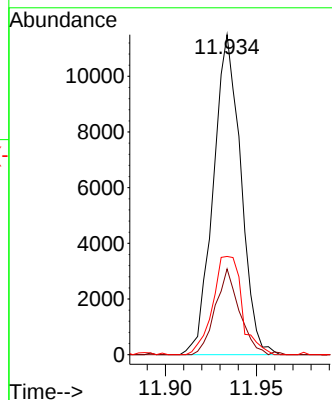
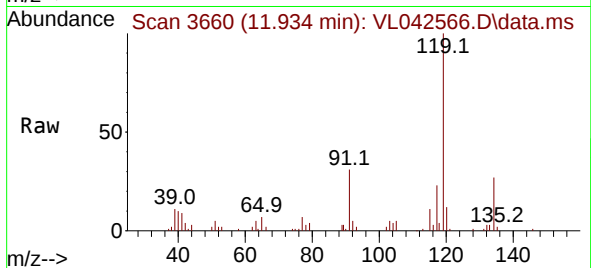
Instrument :

MSVOA_L

ClientSampleId :

MDL 0.45

Tgt Ion:	119	Resp:	12075
Ion	Ratio	Lower	Upper
119	100		
134	23.7	20.1	30.1
91	32.5	22.3	33.5



#70

n-Butylbenzene

Concen: 0.221 ppbv

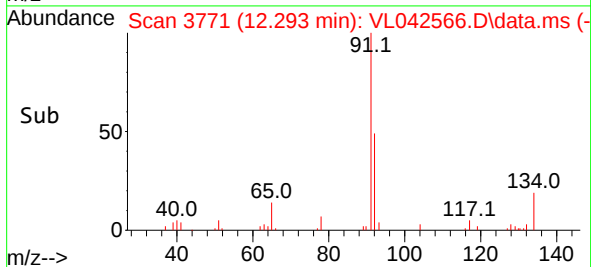
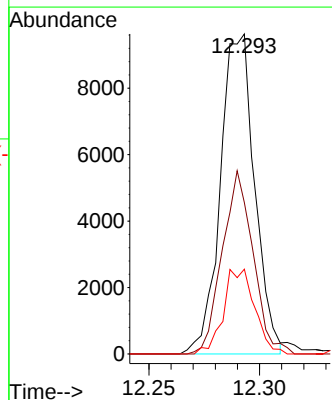
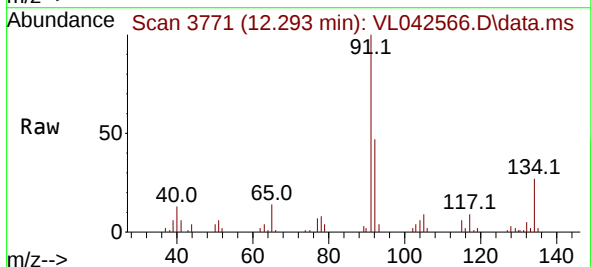
RT: 12.293 min Scan# 3771

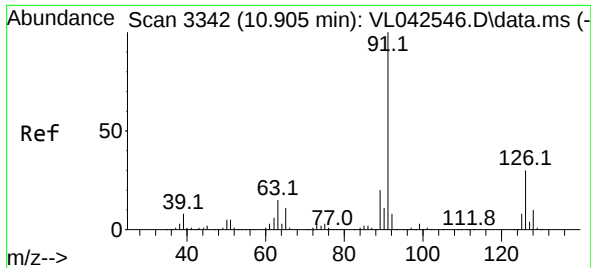
Delta R.T. 0.006 min

Lab File: VL042566.D

Acq: 21 May 2025 15:18

Tgt Ion:	91	Resp:	10356
Ion	Ratio	Lower	Upper
91	100		
92	51.5	43.8	65.6
134	24.2	19.7	29.5

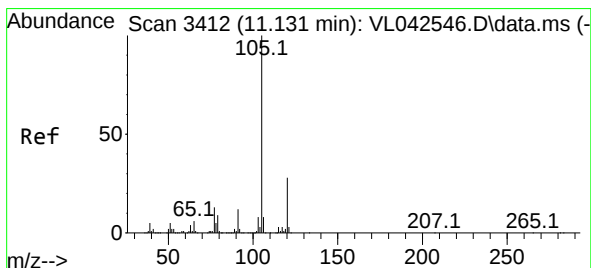
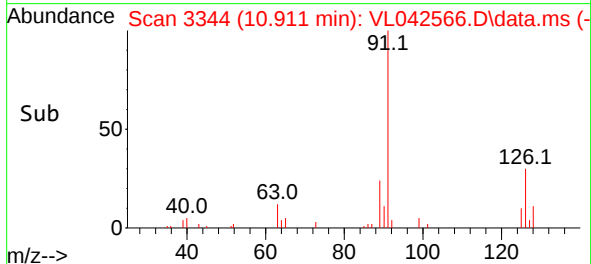
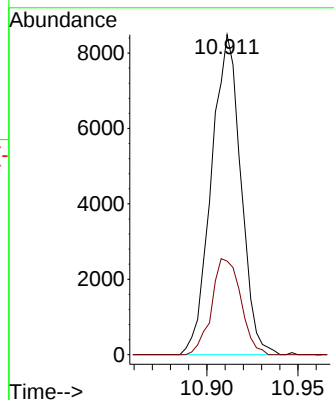
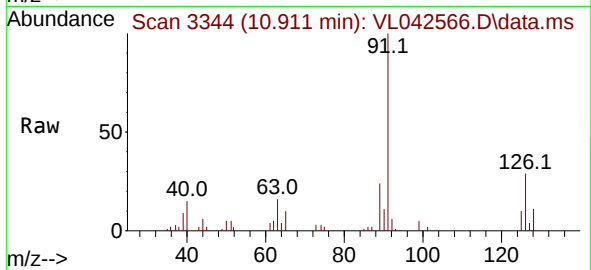




#71
2-Chlorotoluene
Concen: 0.281 ppbv
RT: 10.911 min Scan# 3111
Delta R.T. 0.006 min
Lab File: VL042566.D
Acq: 21 May 2025 15:18

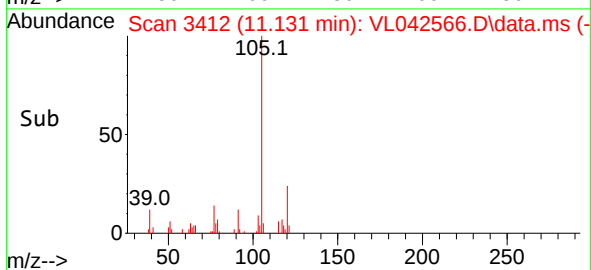
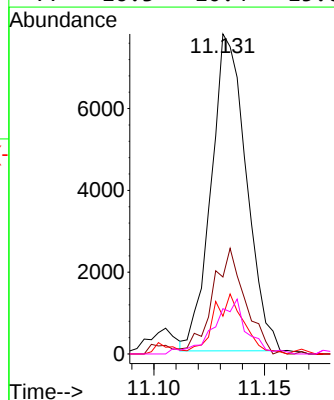
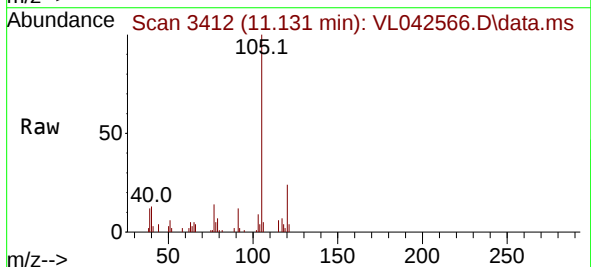
Instrument :
MSVOA_L
ClientSampleId :
MDL 0.45

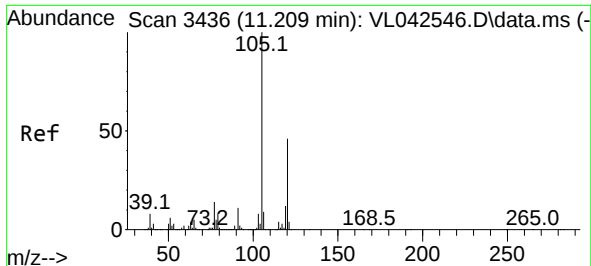
Tgt Ion: 91 Resp: 9561
Ion Ratio Lower Upper
91 100
126 29.6 12.4 49.4



#72
4-Ethyltoluene
Concen: 0.224 ppbv
RT: 11.131 min Scan# 3412
Delta R.T. -0.000 min
Lab File: VL042566.D
Acq: 21 May 2025 15:18

Tgt Ion:105 Resp: 8549
Ion Ratio Lower Upper
105 100
120 33.1 23.4 35.0
91 19.2 10.2 15.4#
77 16.3 10.4 15.6#

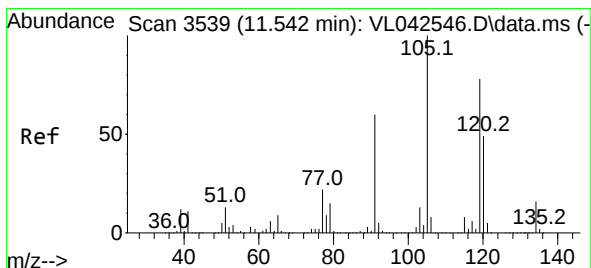
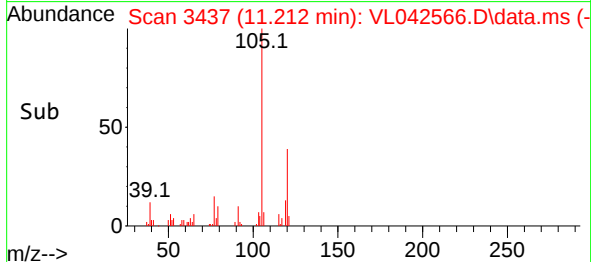
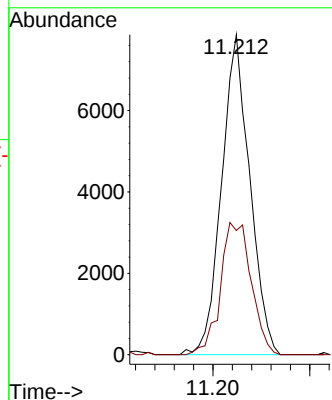
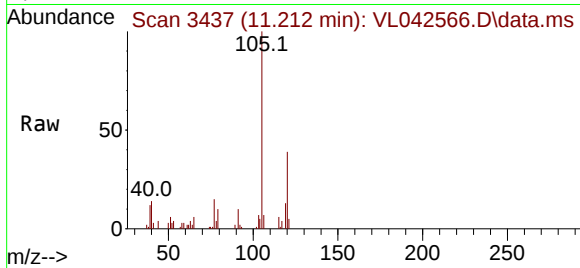




#73
1,3,5-Trimethylbenzene
Concen: 0.241 ppbv
RT: 11.212 min Scan# 3437
Delta R.T. 0.003 min
Lab File: VL042566.D
Acq: 21 May 2025 15:18

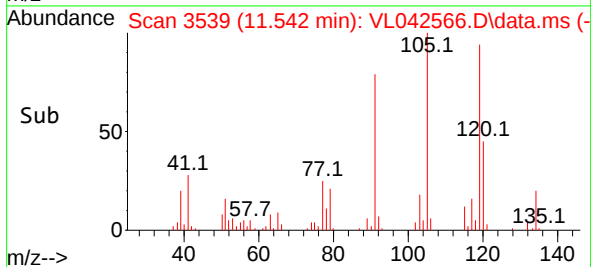
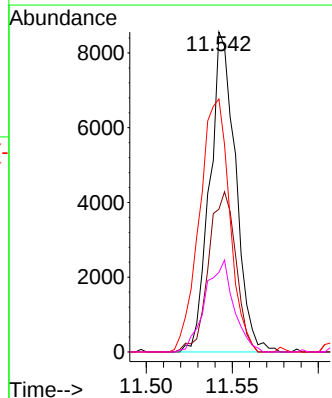
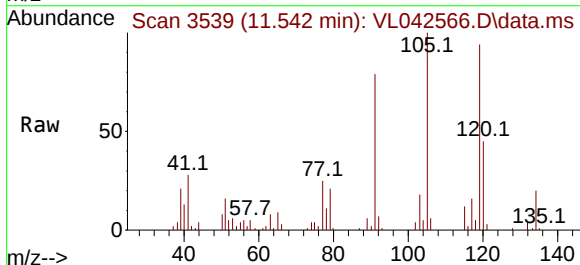
Instrument :
MSVOA_1
ClientSampleId :
MDL 0.45

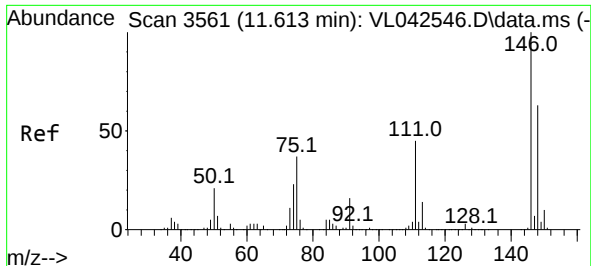
Tgt Ion:105 Resp: 7946
Ion Ratio Lower Upper
105 100
120 38.8 36.5 54.7



#74
1,2,4-Trimethylbenzene
Concen: 0.225 ppbv
RT: 11.542 min Scan# 3539
Delta R.T. -0.000 min
Lab File: VL042566.D
Acq: 21 May 2025 15:18

Tgt Ion:105 Resp: 8944
Ion Ratio Lower Upper
105 100
120 44.6 39.4 59.0
91 77.5 47.8 71.8#
77 24.9 17.8 26.6

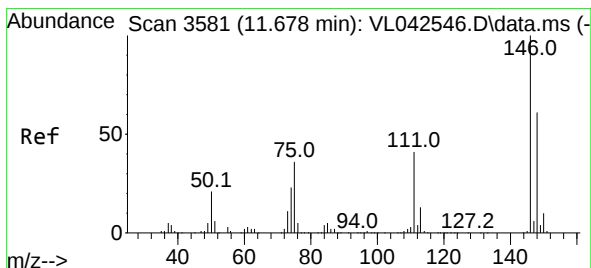
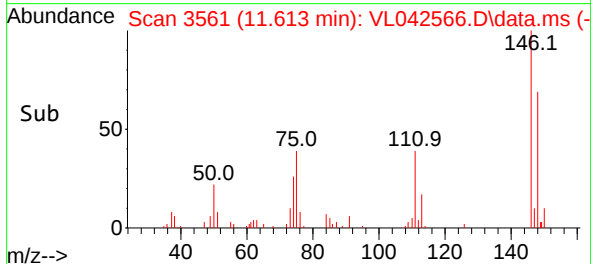
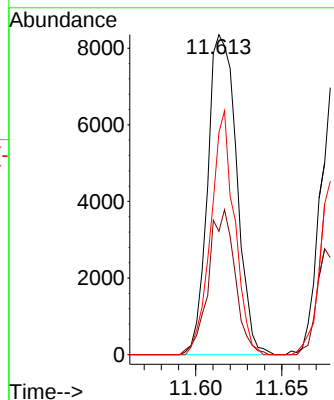
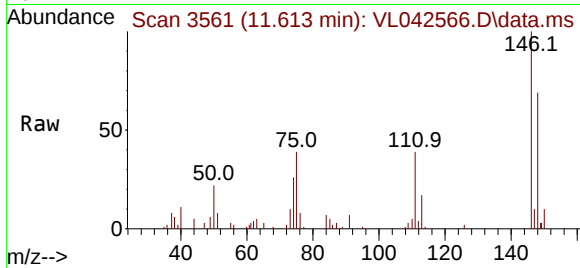




#75
1,3-Dichlorobenzene
Concen: 0.399 ppbv
RT: 11.613 min Scan# 3561
Delta R.T. -0.000 min
Lab File: VL042566.D
Acq: 21 May 2025 15:18

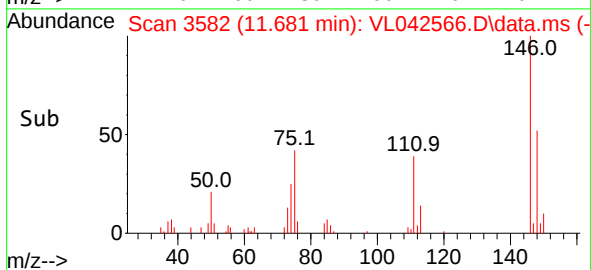
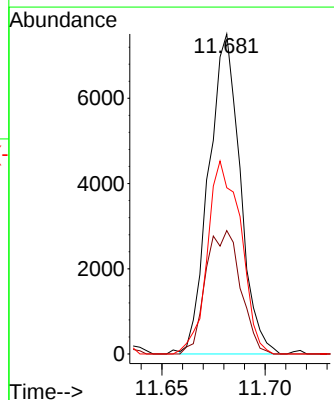
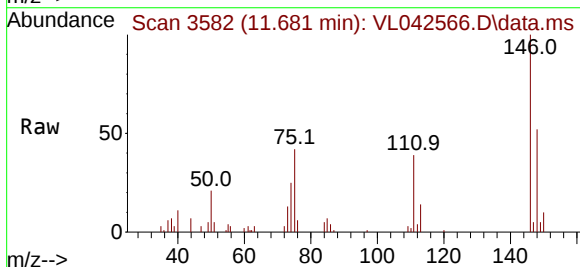
Instrument :
MSVOA_L
ClientSampleId :
MDL 0.45

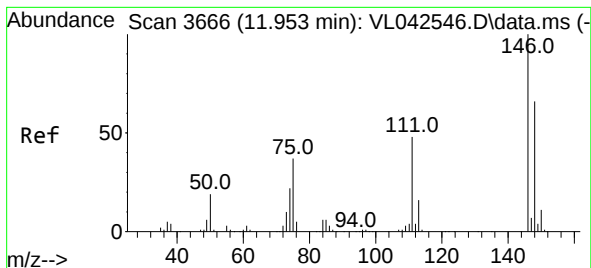
Tgt Ion:146 Resp: 9791
Ion Ratio Lower Upper
146 100
111 41.5 22.8 68.4
148 62.2 31.6 94.8



#76
1,4-Dichlorobenzene
Concen: 0.333 ppbv
RT: 11.681 min Scan# 3582
Delta R.T. 0.003 min
Lab File: VL042566.D
Acq: 21 May 2025 15:18

Tgt Ion:146 Resp: 7926
Ion Ratio Lower Upper
146 100
111 42.9 21.8 65.3
148 64.1 31.4 94.3





#77

1,2-Dichlorobenzene

Concen: 0.428 ppbv

RT: 11.957 min Scan# 3

Delta R.T. 0.003 min

Lab File: VL042566.D

Acq: 21 May 2025 15:18

Instrument :

MSVOA_L

ClientSampleId :

MDL 0.45

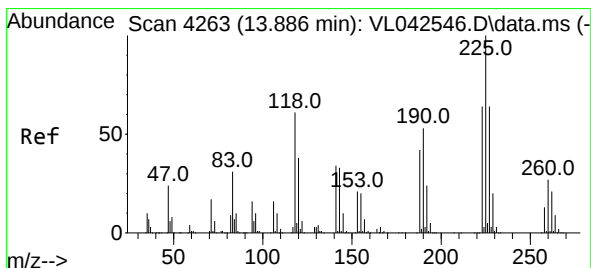
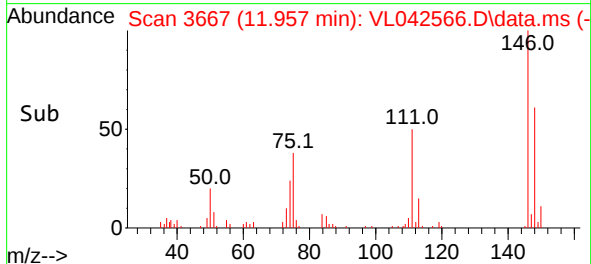
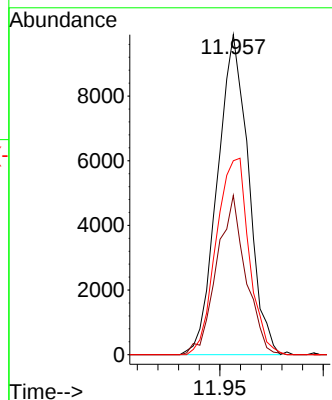
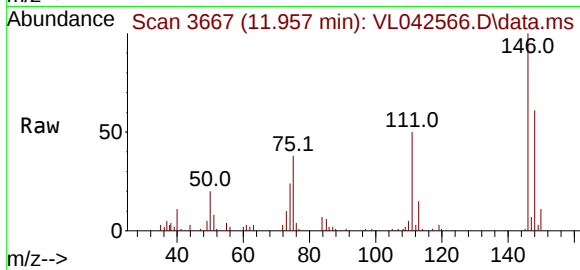
Tgt Ion:146 Resp: 10341

Ion Ratio Lower Upper

146 100

111 46.7 23.7 71.1

148 64.7 32.3 96.9



#78

Hexachloro-1,3-Butadiene

Concen: 0.497 ppbv

RT: 13.889 min Scan# 4264

Delta R.T. 0.003 min

Lab File: VL042566.D

Acq: 21 May 2025 15:18

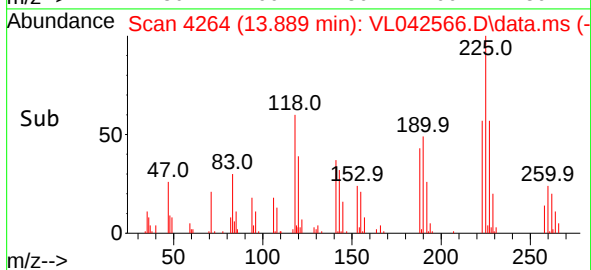
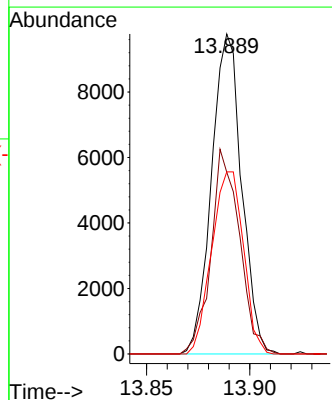
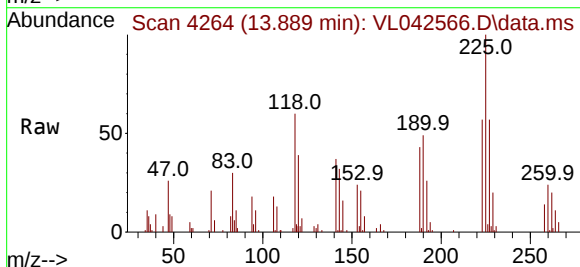
Tgt Ion:225 Resp: 9921

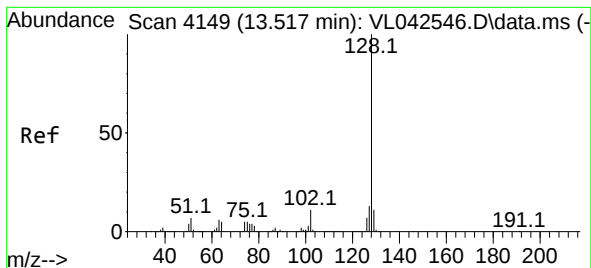
Ion Ratio Lower Upper

225 100

223 60.6 51.0 76.6

227 60.1 50.2 75.4





#79

Naphthalene

Concen: 0.187 ppbv

RT: 13.520 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL042566.D

Acq: 21 May 2025 15:18

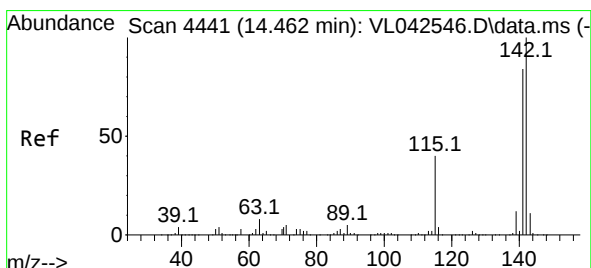
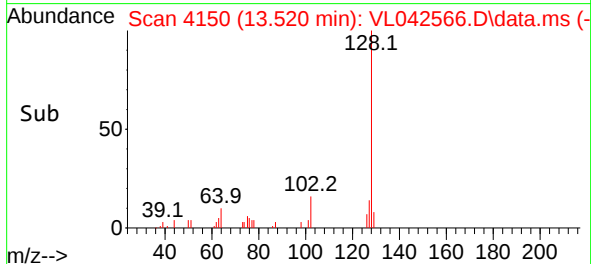
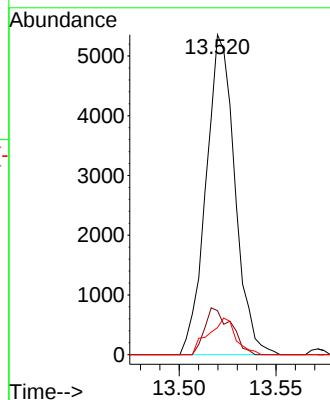
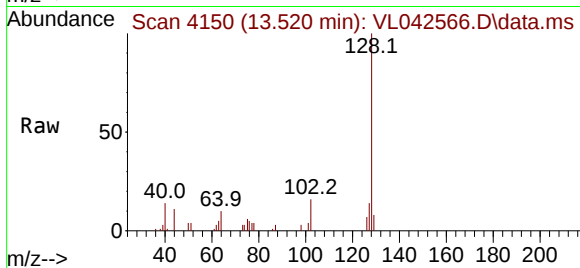
Instrument :

MSVOA_L

ClientSampleId :

MDL 0.45

Tgt Ion:128	Resp:	5557
Ion Ratio	Lower	Upper
128	100	
127	13.7	10.5 15.7
129	8.4	9.0 13.4#



#80

Naphthalene,2-methyl-

Concen: 0.094 ppbv

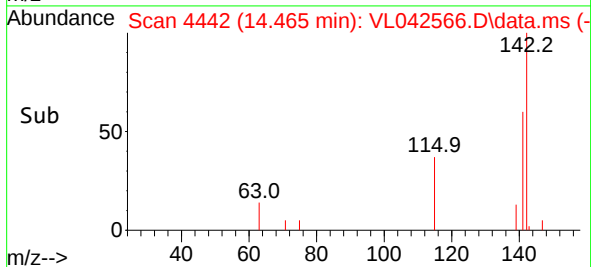
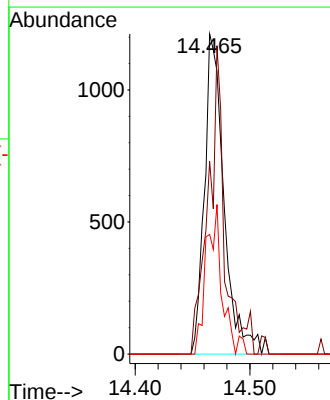
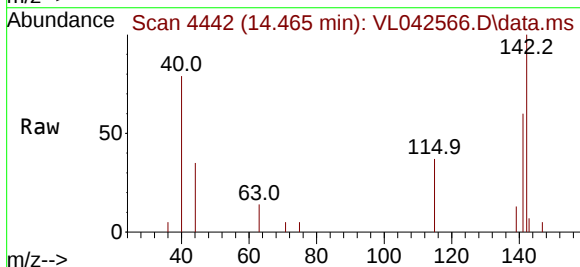
RT: 14.465 min Scan# 4442

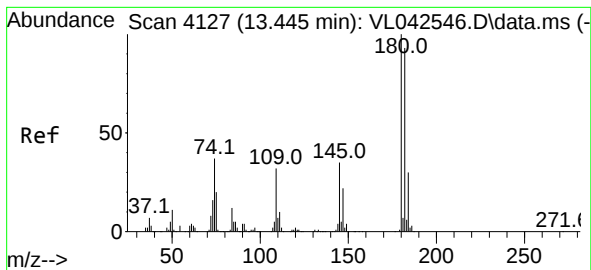
Delta R.T. 0.003 min

Lab File: VL042566.D

Acq: 21 May 2025 15:18

Tgt Ion:142	Resp:	1441
Ion Ratio	Lower	Upper
142	100	
141	81.7	67.4 101.0
115	38.2	31.5 47.3





#81

1,2,4-Trichlorobenzene

Concen: 0.214 ppbv

RT: 13.452 min Scan# 41

Delta R.T. 0.006 min

Lab File: VL042566.D

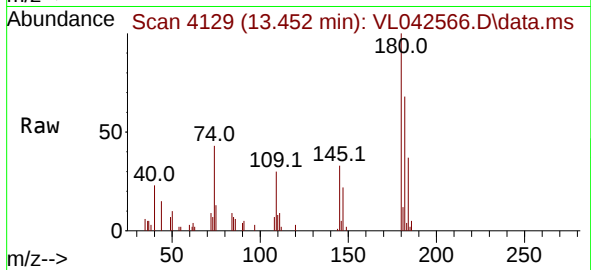
Acq: 21 May 2025 15:18

Instrument :

MSVOA_L

ClientSampleId :

MDL 0.45



Tgt Ion:	180	Resp:	3829
Ion	Ratio	Lower	Upper
180	100		
182	95.2	75.6	113.4
184	33.2	23.7	35.5

