

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050725\
 Data File : VL042513.D
 Acq On : 07 May 2025 12:09
 Operator : SY/MD
 Sample : MDL2 0.45
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL2 0.45

Quant Time: May 08 01:32:37 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	78575	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	203636	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	170630	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.383	95	152135	9.617	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.200%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	6681	0.514	ppbv	96
3) Chlorodifluoromethane	1.476	51	7420	0.540	ppbv	100
4) Chloromethane	1.534	50	2803	0.516	ppbv	92
5) Vinyl Chloride	1.583	62	2822	0.516	ppbv	90
6) Bromomethane	1.667	94	1333	0.516	ppbv #	65
7) Chloroethane	1.706	64	1121	0.555	ppbv	89
8) Dichlorotetrafluoroethane	1.557	85	5226	0.488	ppbv	98
9) Propene	1.486	41	2331	0.518	ppbv	96
10) Heptane	4.994	43	1104	0.095	ppbv #	1
11) Trichlorofluoromethane	1.881	101	6742	0.562	ppbv	89
12) 1,1,2-Trichlorotrifluo...	2.146	101	5753	0.601	ppbv	100
13) Ethanol	1.725	45	864	0.947	ppbv #	37
14) Bromoethene	1.784	108	1860	0.526	ppbv #	93
15) Acetone	1.839	43	9337	0.651	ppbv	99
16) 1,3-Butadiene	1.609	39	2974	0.470	ppbv	87
17) tert-Butyl alcohol	2.046	59	6364	0.504	ppbv #	83
18) 1,1-Dichloroethene	2.036	96	2295	0.513	ppbv	87
19) Isopropyl Alcohol	1.890	45	3982	0.502	ppbv #	98
20) Methylene Chloride	2.065	84	2895	0.671	ppbv #	74
21) Allyl Chloride	2.098	41	3975	0.431	ppbv #	79
22) trans-1,2-Dichloroethene	2.340	96	2446	0.468	ppbv	88
23) Vinyl Acetate	2.467	43	6975	0.510	ppbv #	83
24) 1,1-Dichloroethane	2.412	63	5985	0.562	ppbv #	92
25) Ethyl Acetate	2.845	43	8259	0.360	ppbv #	88
26) Hexane	2.832	57	4385	0.438	ppbv	93
27) Carbon Disulfide	2.153	76	6291	0.539	ppbv #	31
28) Methyl tert-Butyl Ether	2.447	73	3364	0.560	ppbv	91
29) Chloroform	2.852	83	9876	0.527	ppbv #	80
30) Cyclohexane	3.865	84	2894	0.346	ppbv #	75
31) cis-1,2-Dichloroethene	2.725	61	4665	0.400	ppbv	96
32) 1,1,1-Trichloroethane	3.376	97	8352	0.411	ppbv #	83
34) 2-Butanone	2.564	43	7876	0.535	ppbv	97
35) Carbon Tetrachloride	3.774	117	9391	0.508	ppbv #	75
36) Benzene	3.664	78	10033	0.522	ppbv #	91
37) 1,2-Dichloroethane	3.227	62	7639	0.516	ppbv	97
38) Trichloroethene	4.557	130	2217	0.303	ppbv	92
39) 1,2-Dichloropropane	4.311	63	1209	0.168	ppbv	93
40) 1,4-Dioxane	4.603	88	282	0.084	ppbv #	100
41) Tetrahydrofuran	3.069	42	2629	0.376	ppbv #	60
42) Bromodichloromethane	4.499	83	7343	0.406	ppbv #	90
43) Methyl Methacrylate	4.897	69	1775	0.248	ppbv #	35
44) 2,2,4-Trimethylpentane	4.651	57	5465	0.175	ppbv #	1
45) t-1,3-Dichloropropene	6.438	75	535	0.057	ppbv	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050725\
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 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 MDL2 0.45

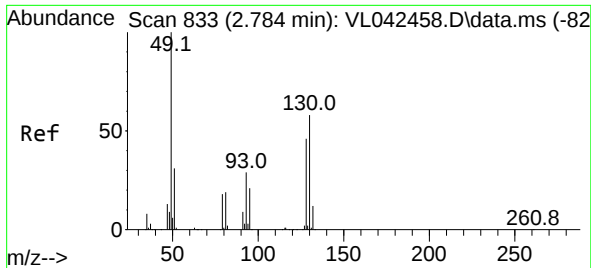
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri May 02 03:16:31 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
46) cis-1,3-Dichloropropene	5.609	75	1975	0.177	ppbv	#	36
47) 1,1,2-Trichloroethane	6.593	97	1457	0.185	ppbv	#	36
48) Dibromochloromethane	7.399	129	2682	0.201	ppbv	#	1
49) Bromoform	9.497	173	1824	0.163	ppbv	#	1
50) 4-Methyl-2-Pentanone	5.771	43	3401	0.183	ppbv	#	38
51) 2-Hexanone	7.451	43	3248	0.218	ppbv	#	57
52) Tetrachloroethene	8.234	164	2325	0.318	ppbv		92
53) Toluene	6.943	91	7269	0.357	ppbv		90
54) 1,2-Dibromoethane	7.658	107	5174	0.429	ppbv	#	70
56) 1,1,1,2-Tetrachloroethane	8.933	131	6075	0.603	ppbv		96
57) Chlorobenzene	8.927	112	7974	0.465	ppbv	#	86
58) Ethyl Benzene	9.367	91	10193	0.357	ppbv	#	88
59) m/p-Xylene	9.542	91	6737	0.282	ppbv	#	33
60) o-Xylene	9.969	91	7134	0.298	ppbv		89
61) Styrene	9.878	104	2320	0.260	ppbv	#	74
62) Isopropylbenzene	10.548	105	12919	0.374	ppbv		98
63) 1,1,2,2-Tetrachloroethane	9.969	83	9078	0.550	ppbv		95
64) n-propylbenzene	10.992	120	2868	0.340	ppbv		88
65) tert-Butylbenzene	11.536	119	10170	0.330	ppbv		94
66) Benzyl Chloride	11.620	91	1560	0.438	ppbv	#	86
67) sec-Butylbenzene	11.775	105	15097	0.345	ppbv		97
69) p-Isopropyltoluene	11.930	119	11304	0.306	ppbv	#	90
70) n-Butylbenzene	12.290	91	5310	0.139	ppbv	#	37
71) 2-Chlorotoluene	10.904	91	10430	0.385	ppbv		99
72) 4-Ethyltoluene	11.131	105	9734	0.345	ppbv	#	95
73) 1,3,5-Trimethylbenzene	11.215	105	8555	0.345	ppbv	#	82
74) 1,2,4-Trimethylbenzene	11.542	105	10098	0.336	ppbv	#	91
75) 1,3-Dichlorobenzene	11.613	146	7790	0.466	ppbv		97
76) 1,4-Dichlorobenzene	11.678	146	7027	0.444	ppbv		91
77) 1,2-Dichlorobenzene	11.956	146	7716	0.472	ppbv		90
78) Hexachloro-1,3-Butadiene	13.885	225	8321	0.509	ppbv		97
79) Naphthalene	13.520	128	6566	0.260	ppbv	#	92
80) Naphthalene,2-methyl-	14.458	142	1672	0.089	ppbv		96
81) 1,2,4-Trichlorobenzene	13.445	180	3304	0.245	ppbv	#	80

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

Instrument :
MSVOA_L
ClientSampleId :
MDL2 0.45

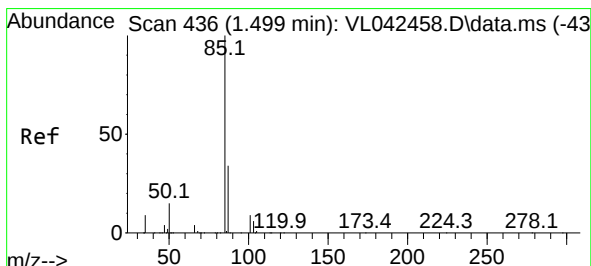
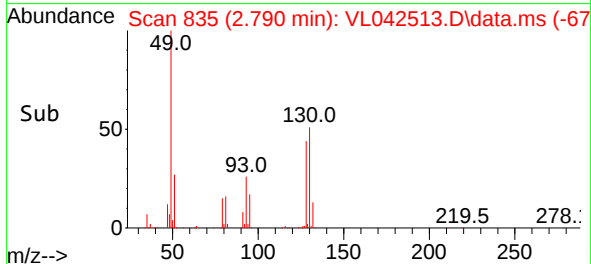
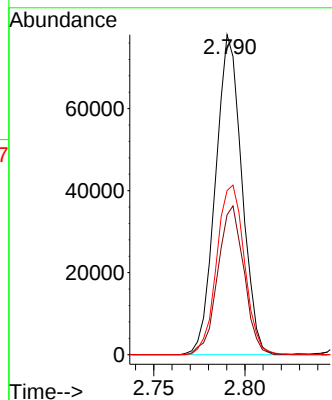
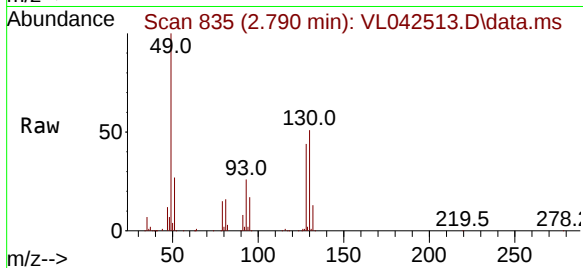
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#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 81
Delta R.T. 0.006 min
Lab File: VL042513.D
Acq: 07 May 2025 12:09

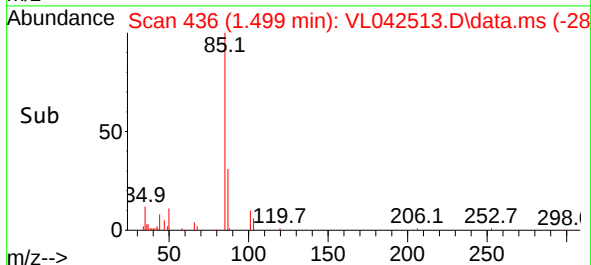
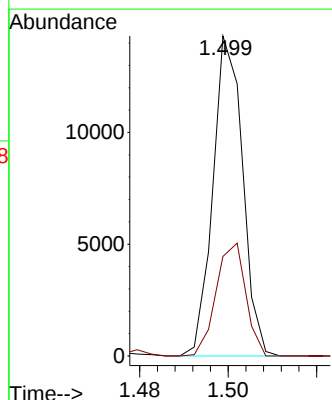
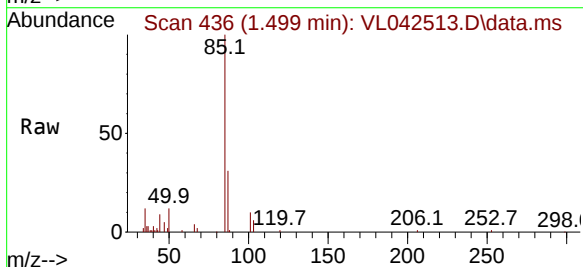
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MSVOA_L
ClientSampleId :
MDL2 0.45

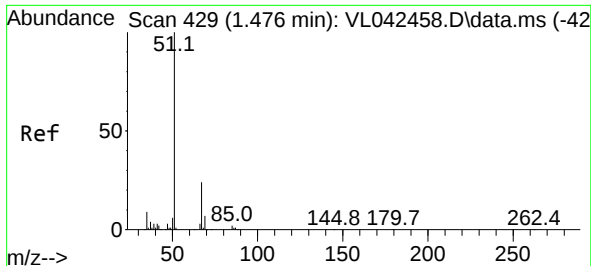
Tgt Ion: 49 Resp: 78575
Ion Ratio Lower Upper
49 100
128 46.1 23.3 69.9
130 55.8 29.5 88.6



#2
Dichlorodifluoromethane
Concen: 0.514 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL042513.D
Acq: 07 May 2025 12:09

Tgt Ion: 85 Resp: 6681
Ion Ratio Lower Upper
85 100
87 31.1 26.9 40.3

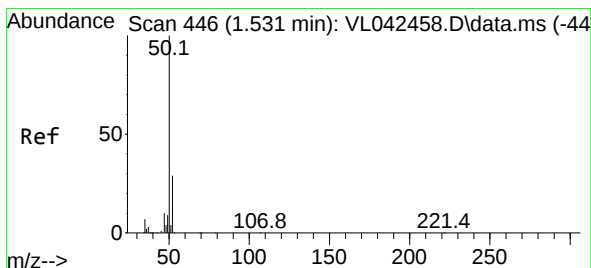
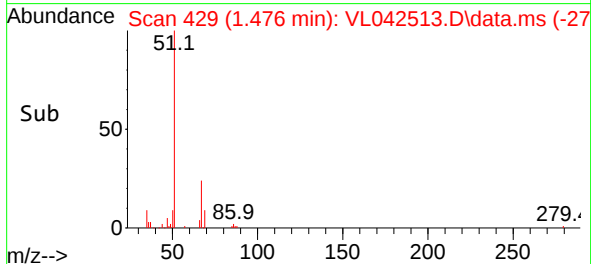
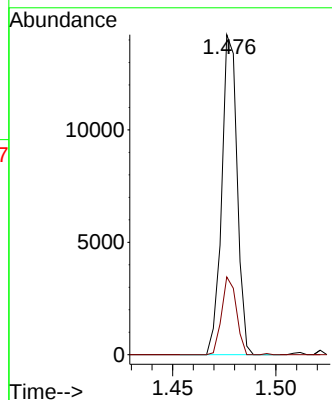
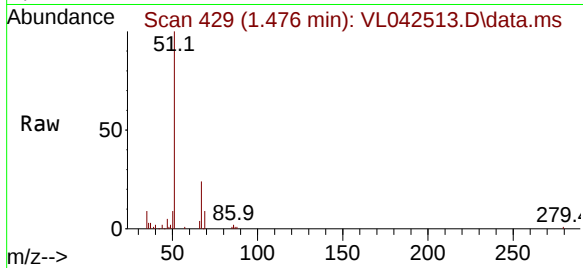




#3
Chlorodifluoromethane
Concen: 0.540 ppbv
RT: 1.476 min Scan# 41
Delta R.T. 0.000 min
Lab File: VL042513.D
Acq: 07 May 2025 12:09

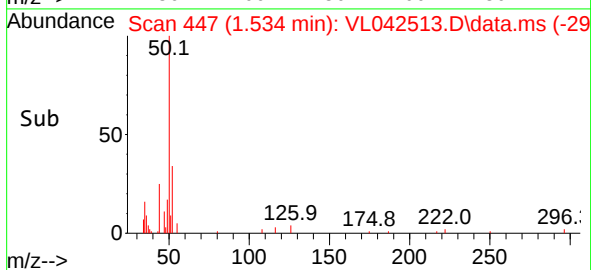
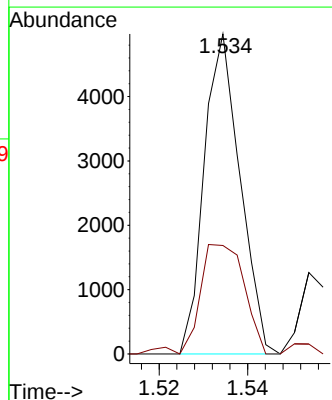
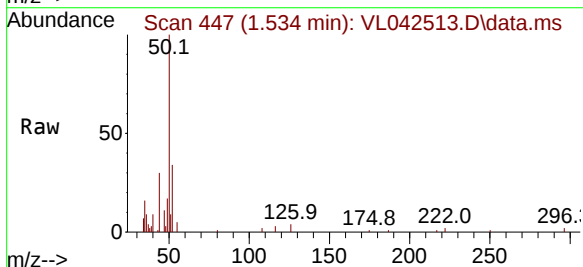
Instrument :
MSVOA_L
ClientSampleId :
MDL2 0.45

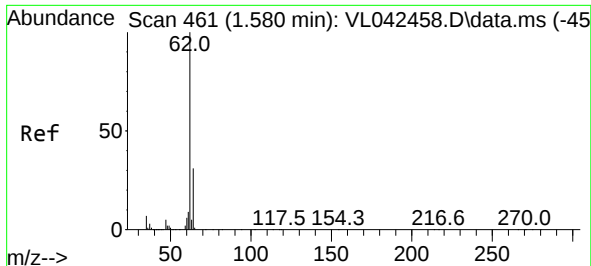
Tgt Ion: 51 Resp: 7420
Ion Ratio Lower Upper
51 100
67 23.2 18.4 27.6



#4
Chloromethane
Concen: 0.516 ppbv
RT: 1.534 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL042513.D
Acq: 07 May 2025 12:09

Tgt Ion: 50 Resp: 2803
Ion Ratio Lower Upper
50 100
52 33.9 23.5 35.3

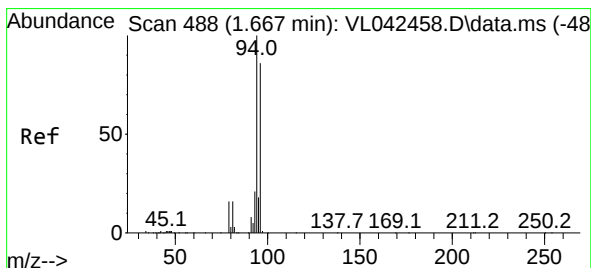
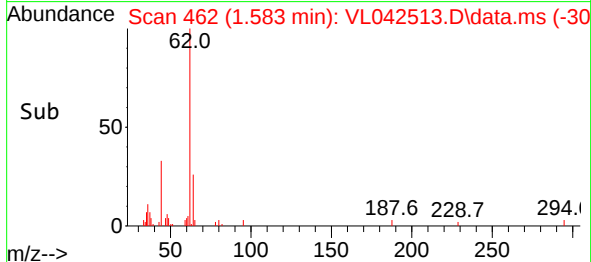
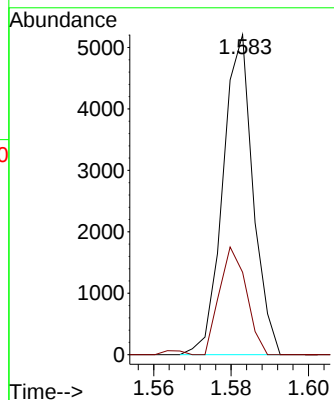
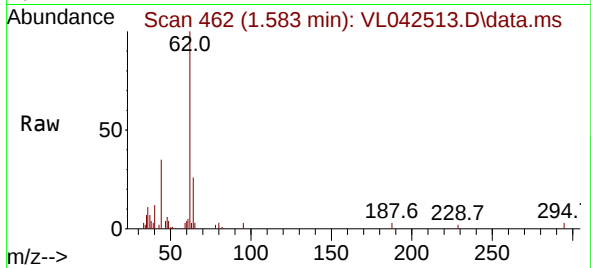




#5
 Vinyl Chloride
 Concen: 0.516 ppbv
 RT: 1.583 min Scan# 461
 Delta R.T. 0.003 min
 Lab File: VL042513.D
 Acq: 07 May 2025 12:09

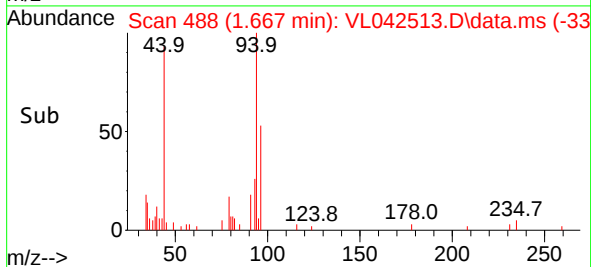
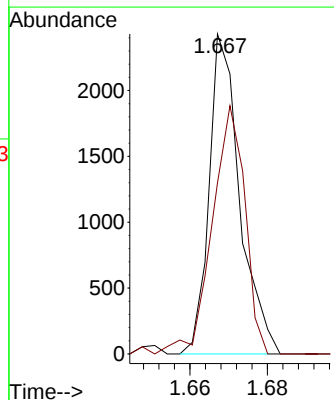
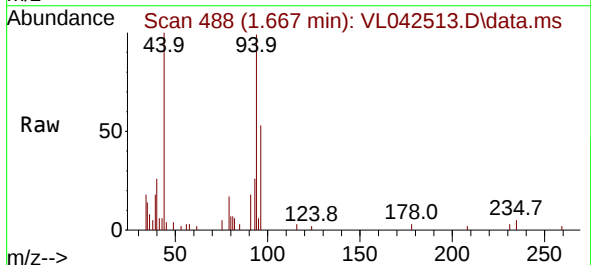
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL2 0.45

Tgt Ion: 62 Resp: 2822
 Ion Ratio Lower Upper
 62 100
 64 25.8 24.9 37.3



#6
 Bromomethane
 Concen: 0.516 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. 0.000 min
 Lab File: VL042513.D
 Acq: 07 May 2025 12:09

Tgt Ion: 94 Resp: 1333
 Ion Ratio Lower Upper
 94 100
 96 53.4 68.8 103.2#

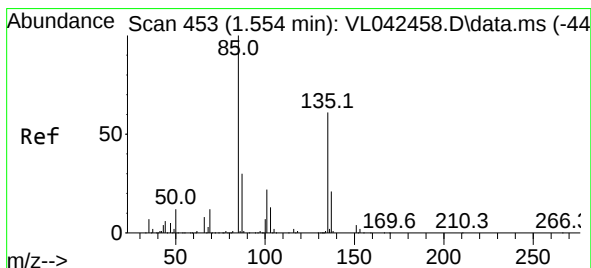
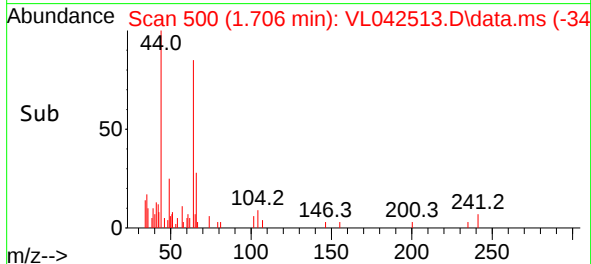
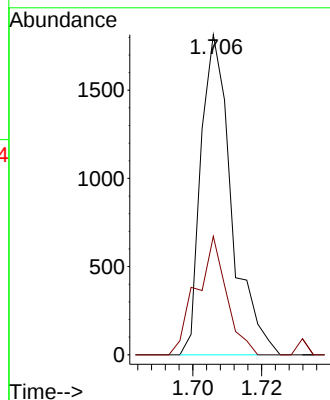
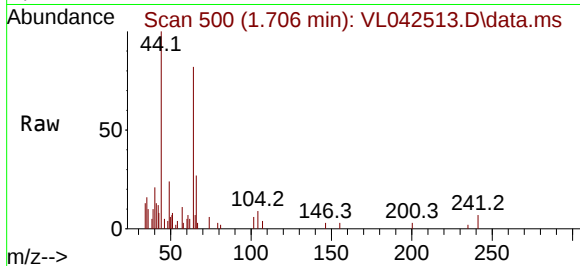




#7
Chloroethane
Concen: 0.555 ppbv
RT: 1.706 min Scan# 50
Delta R.T. 0.003 min
Lab File: VL042513.D
Acq: 07 May 2025 12:09

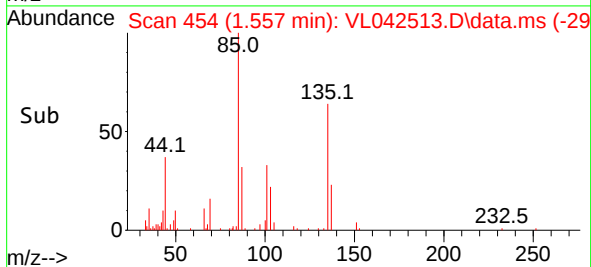
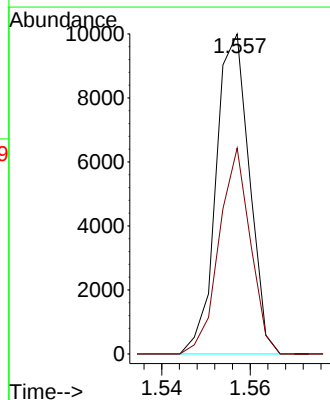
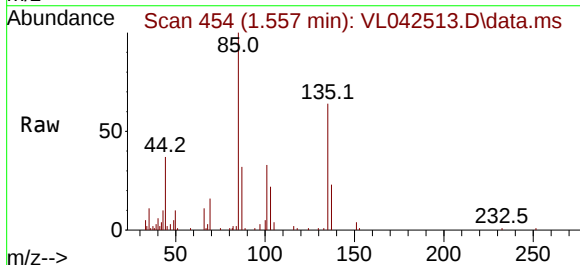
Instrument :
MSVOA_L
ClientSampleId :
MDL2 0.45

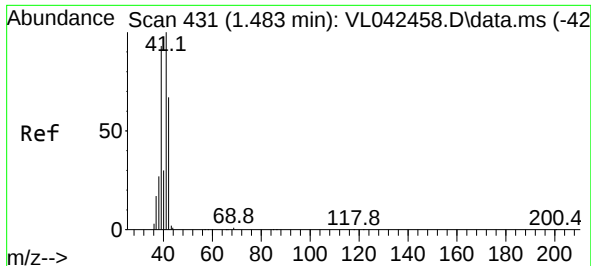
Tgt Ion: 64 Resp: 1121
Ion Ratio Lower Upper
64 100
66 37.0 25.0 37.4



#8
Dichlorotetrafluoroethane
Concen: 0.488 ppbv
RT: 1.557 min Scan# 454
Delta R.T. 0.003 min
Lab File: VL042513.D
Acq: 07 May 2025 12:09

Tgt Ion: 85 Resp: 5226
Ion Ratio Lower Upper
85 100
135 60.5 49.8 74.8





#9

Propene

Concen: 0.518 ppbv

RT: 1.486 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL042513.D

Acq: 07 May 2025 12:09

Instrument :

MSVOA_L

ClientSampleId :

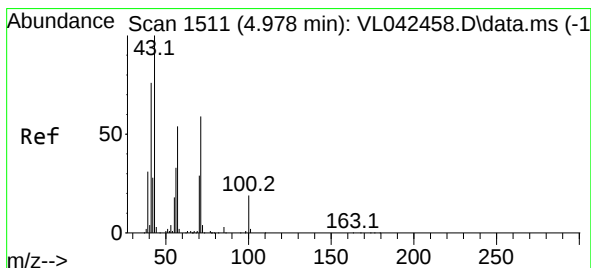
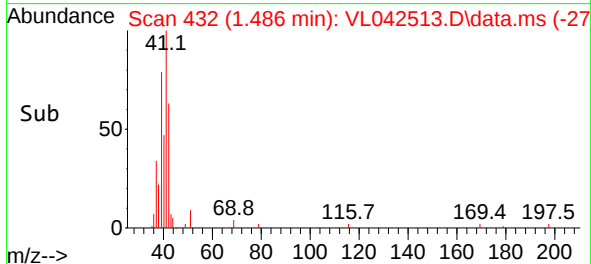
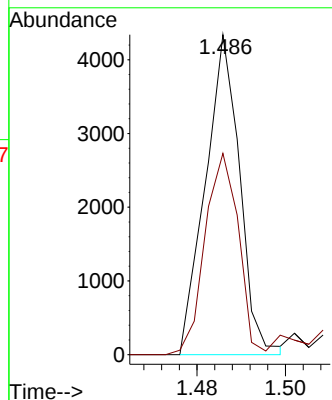
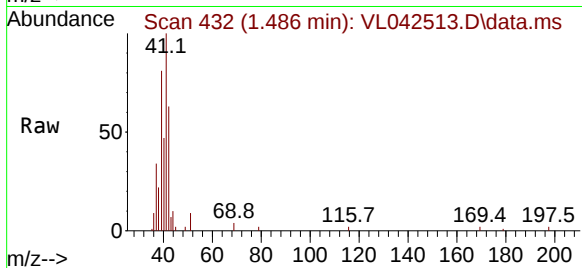
MDL2 0.45

Tgt Ion: 41 Resp: 2331

Ion Ratio Lower Upper

41 100

42 71.0 54.3 81.5



#10

Heptane

Concen: 0.095 ppbv

RT: 4.994 min Scan# 1516

Delta R.T. 0.016 min

Lab File: VL042513.D

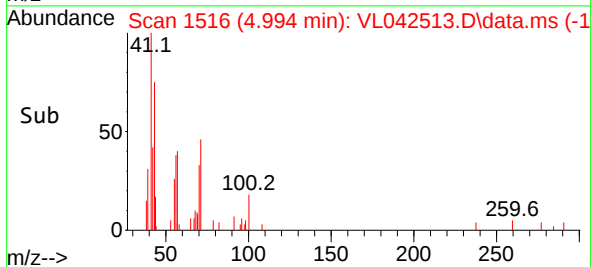
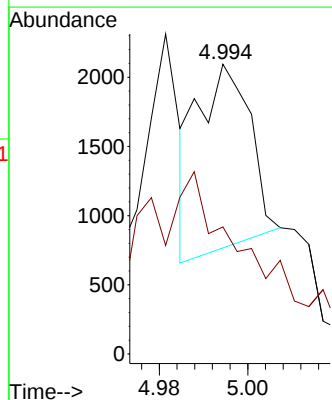
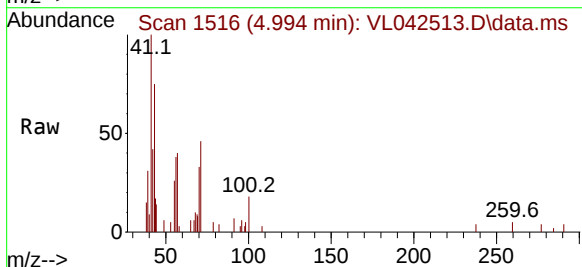
Acq: 07 May 2025 12:09

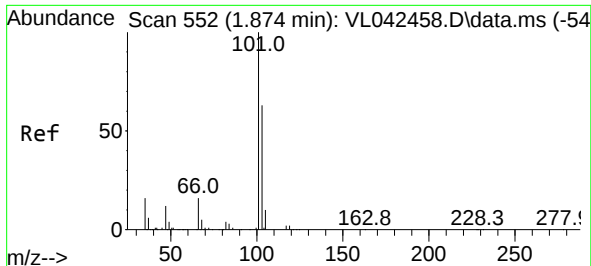
Tgt Ion: 43 Resp: 1104

Ion Ratio Lower Upper

43 100

57 238.2 41.8 62.8#





#11

Trichlorofluoromethane

Concen: 0.562 ppbv

RT: 1.881 min Scan# 51

Delta R.T. 0.007 min

Lab File: VL042513.D

Acq: 07 May 2025 12:09

Instrument :

MSVOA_L

ClientSampleId :

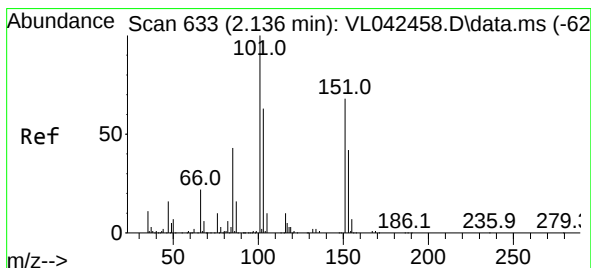
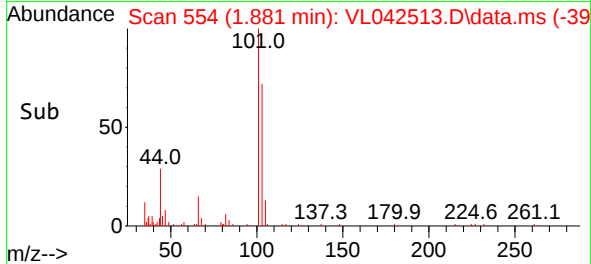
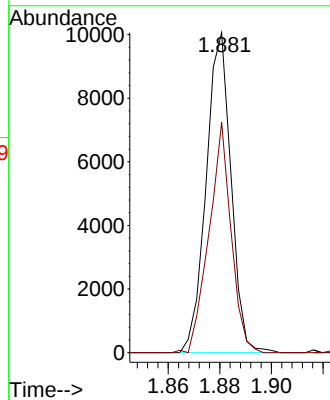
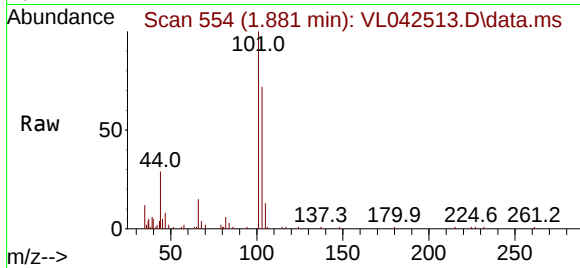
MDL2 0.45

Tgt Ion:101 Resp: 6742

Ion Ratio Lower Upper

101 100

103 72.1 50.6 76.0



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.601 ppbv

RT: 2.146 min Scan# 636

Delta R.T. 0.010 min

Lab File: VL042513.D

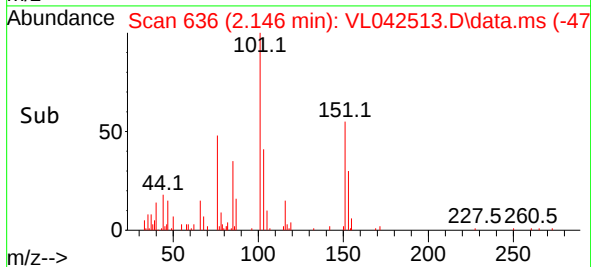
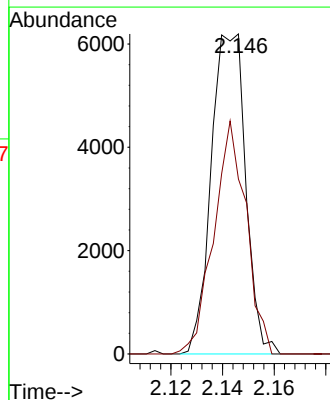
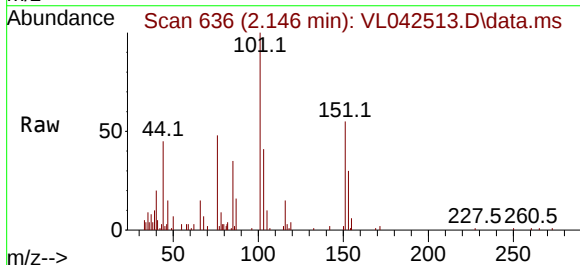
Acq: 07 May 2025 12:09

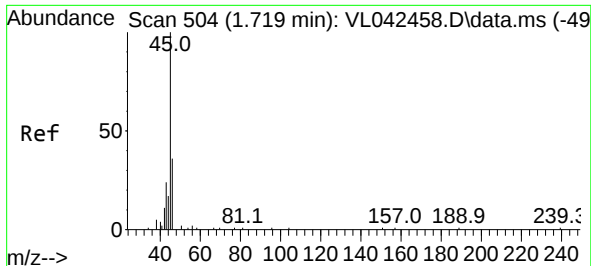
Tgt Ion:101 Resp: 5753

Ion Ratio Lower Upper

101 100

151 68.3 54.6 82.0

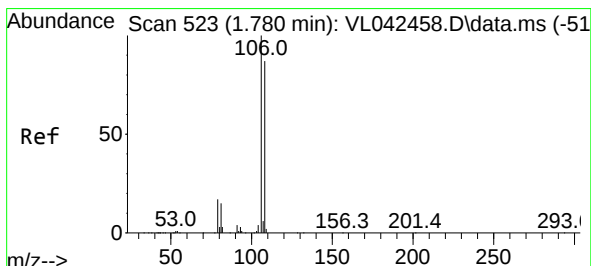
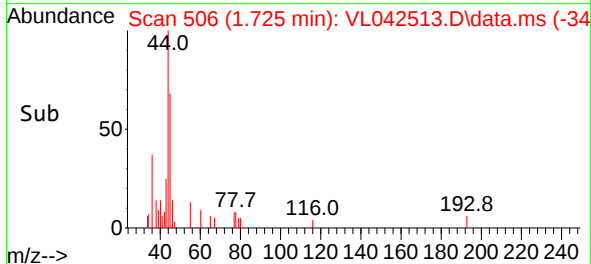
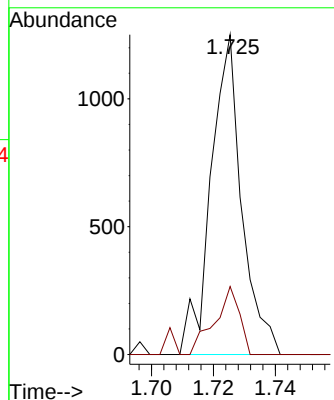
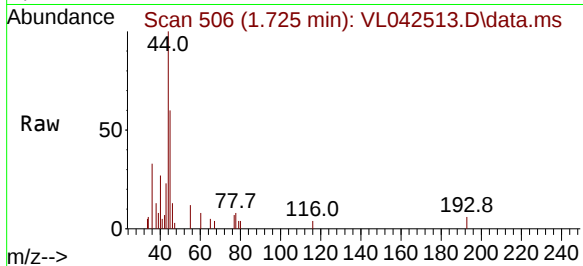




#13
Ethanol
Concen: 0.947 ppbv
RT: 1.725 min Scan# 504
Delta R.T. 0.007 min
Lab File: VL042513.D
Acq: 07 May 2025 12:09

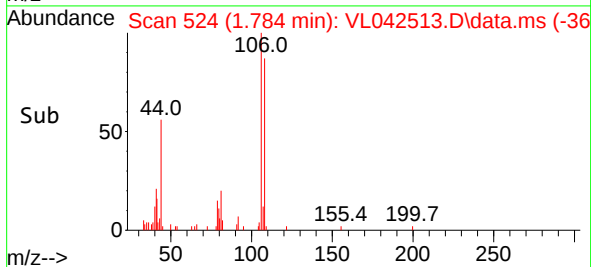
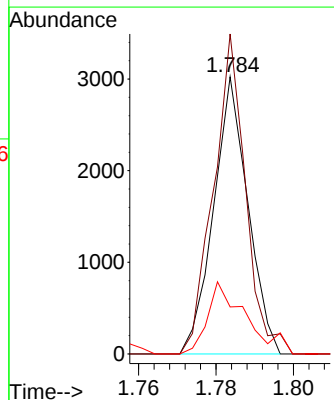
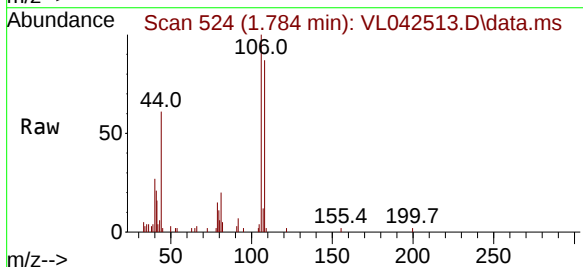
Instrument :
MSVOA_L
ClientSampleId :
MDL2 0.45

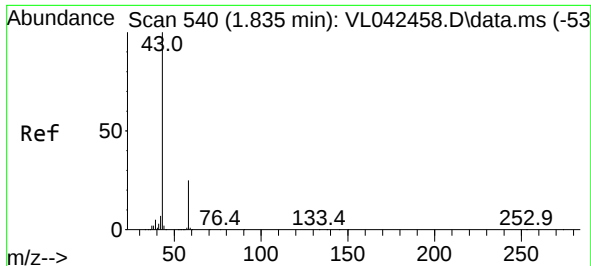
Tgt Ion: 45 Resp: 864
Ion Ratio Lower Upper
45 100
46 0.0 15.3 61.1#



#14
Bromoethene
Concen: 0.526 ppbv
RT: 1.784 min Scan# 524
Delta R.T. 0.003 min
Lab File: VL042513.D
Acq: 07 May 2025 12:09

Tgt Ion: 108 Resp: 1860
Ion Ratio Lower Upper
108 100
106 115.8 88.8 133.2
79 29.8 17.1 25.7#





#15

Acetone

Concen: 0.651 ppbv

RT: 1.839 min Scan# 54

Delta R.T. 0.003 min

Lab File: VL042513.D

Acq: 07 May 2025 12:09

Instrument :

MSVOA_L

ClientSampleId :

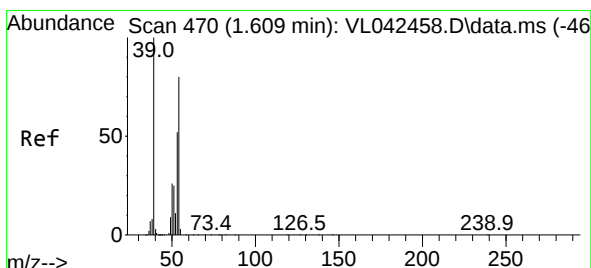
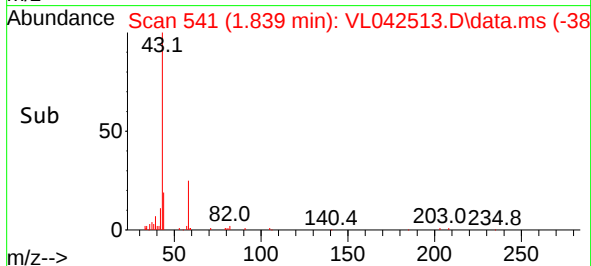
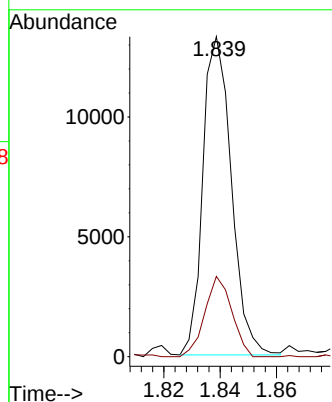
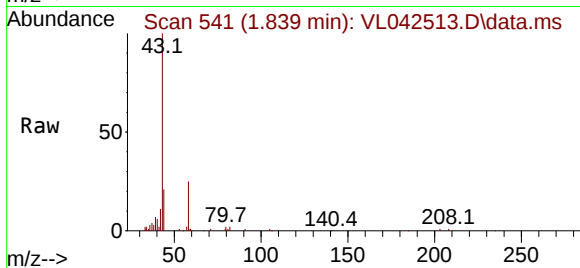
MDL2 0.45

Tgt Ion: 43 Resp: 9337

Ion Ratio Lower Upper

43 100

58 24.5 19.8 29.8



#16

1,3-Butadiene

Concen: 0.470 ppbv

RT: 1.609 min Scan# 470

Delta R.T. 0.000 min

Lab File: VL042513.D

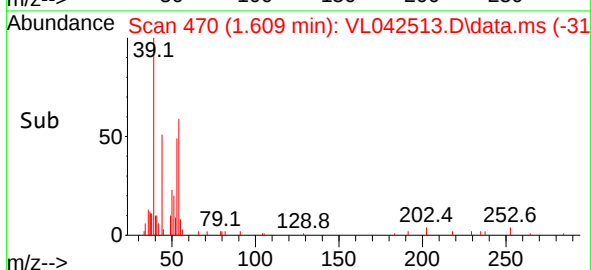
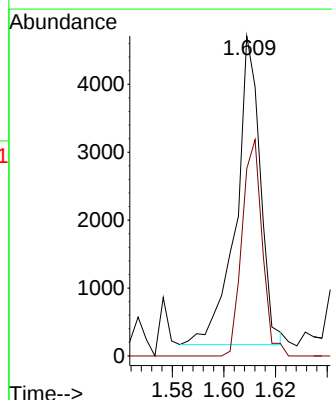
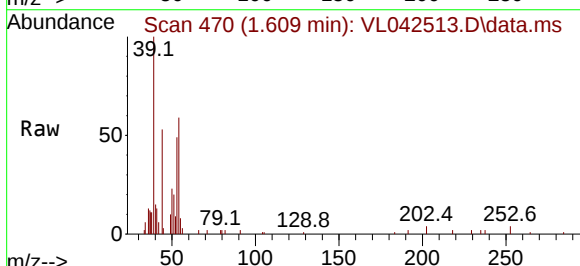
Acq: 07 May 2025 12:09

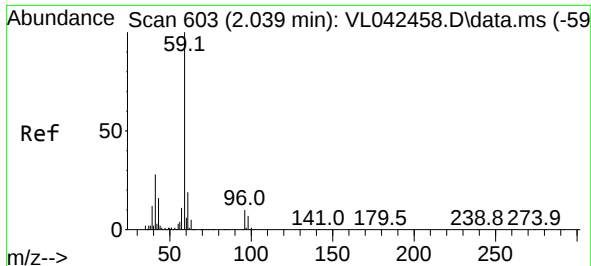
Tgt Ion: 39 Resp: 2974

Ion Ratio Lower Upper

39 100

54 58.4 55.2 82.8





#17

tert-Butyl alcohol

Concen: 0.504 ppbv

RT: 2.046 min Scan# 605

Delta R.T. 0.007 min

Lab File: VL042513.D

Acq: 07 May 2025 12:09

Instrument :

MSVOA_L

ClientSampleId :

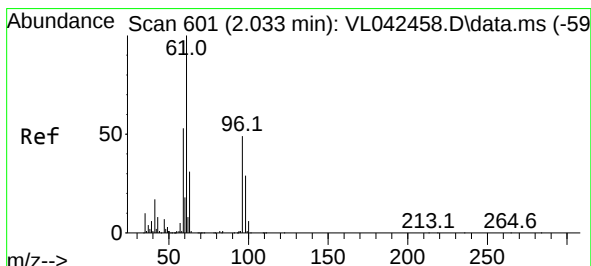
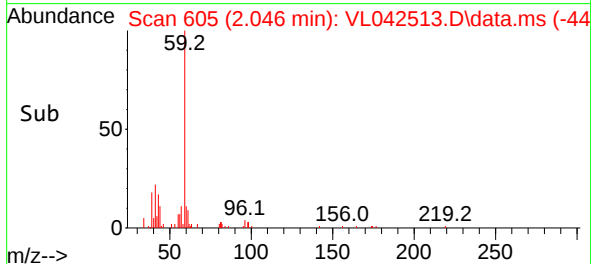
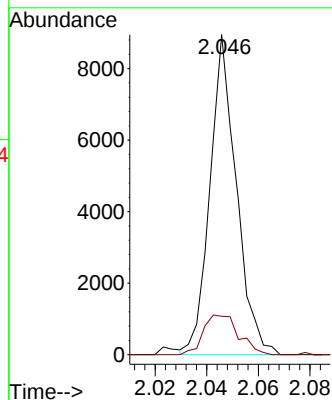
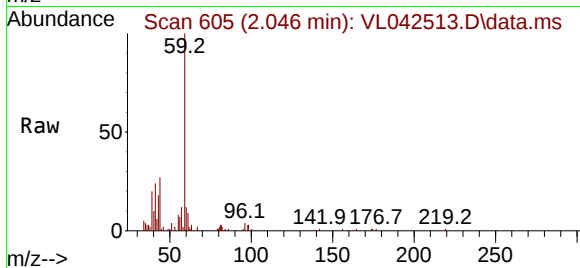
MDL2 0.45

Tgt Ion: 59 Resp: 6364

Ion Ratio Lower Upper

59 100

57 16.8 8.3 12.5#



#18

1,1-Dichloroethene

Concen: 0.513 ppbv

RT: 2.036 min Scan# 602

Delta R.T. 0.003 min

Lab File: VL042513.D

Acq: 07 May 2025 12:09

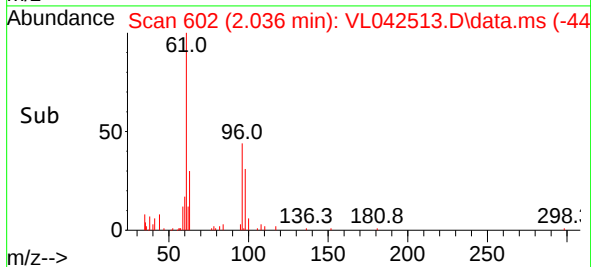
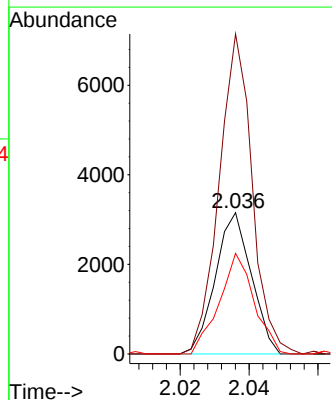
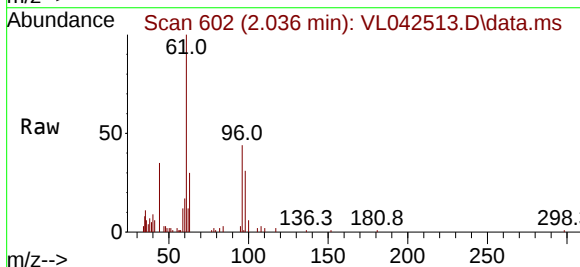
Tgt Ion: 96 Resp: 2295

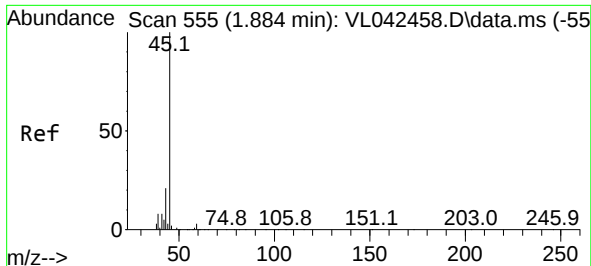
Ion Ratio Lower Upper

96 100

61 226.4 164.9 247.3

98 71.2 48.2 72.2

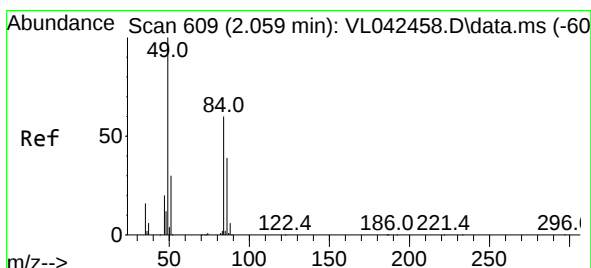
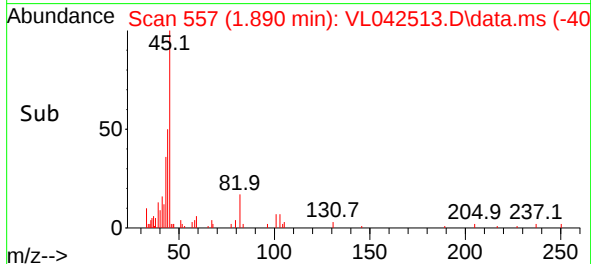
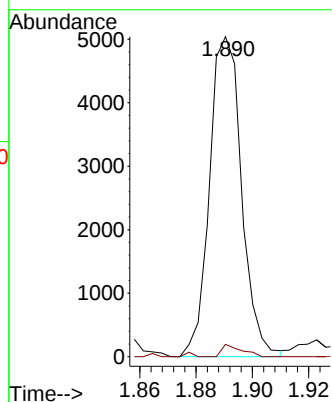
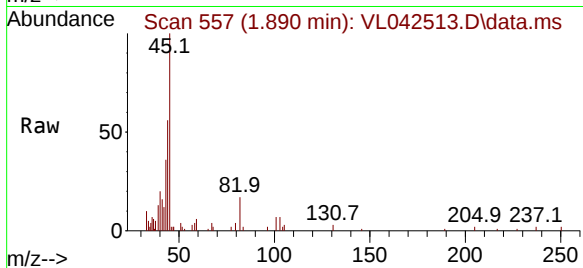




#19
Isopropyl Alcohol
Concen: 0.502 ppbv
RT: 1.890 min Scan# 51
Delta R.T. 0.007 min
Lab File: VL042513.D
Acq: 07 May 2025 12:09

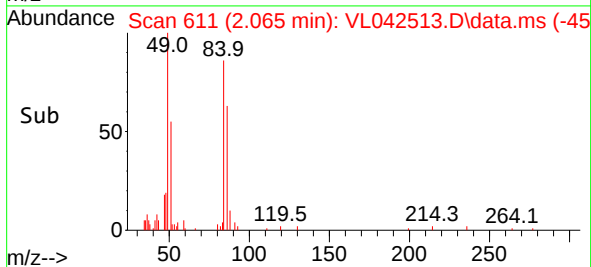
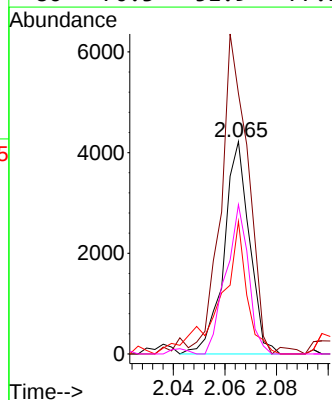
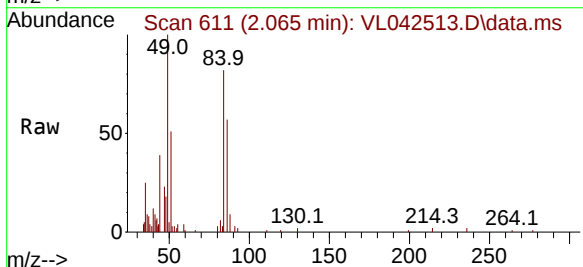
Instrument :
MSVOA_L
ClientSampleId :
MDL2 0.45

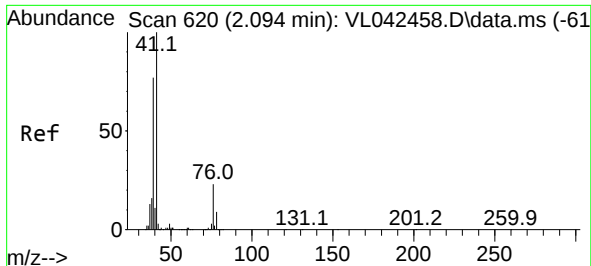
Tgt Ion: 45 Resp: 3982
Ion Ratio Lower Upper
45 100
58 2.7 1.6 2.4#



#20
Methylene Chloride
Concen: 0.671 ppbv
RT: 2.065 min Scan# 611
Delta R.T. 0.007 min
Lab File: VL042513.D
Acq: 07 May 2025 12:09

Tgt Ion: 84 Resp: 2895
Ion Ratio Lower Upper
84 100
49 119.6 133.9 200.9#
51 65.4 41.0 61.6#
86 70.3 51.9 77.9

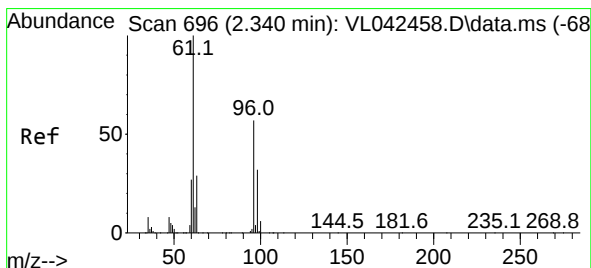
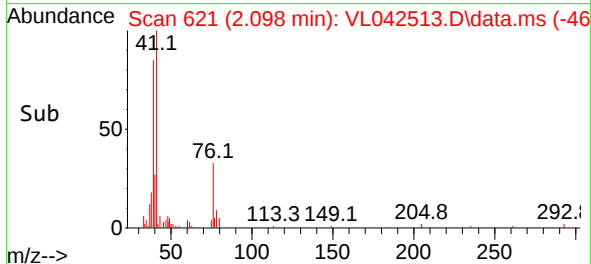
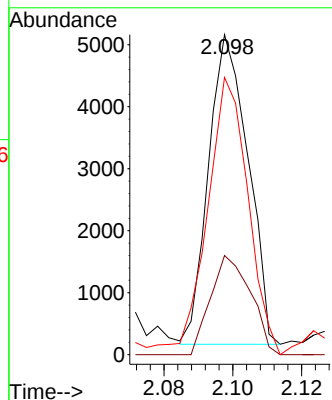
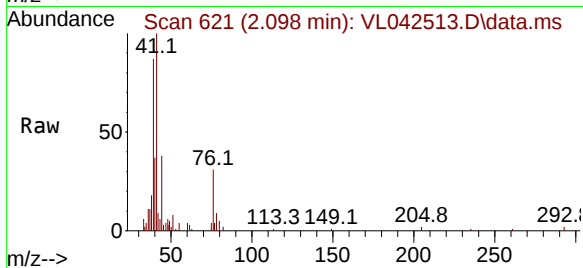




#21
 Allyl Chloride
 Concen: 0.431 ppbv
 RT: 2.098 min Scan# 61
 Delta R.T. 0.003 min
 Lab File: VL042513.D
 Acq: 07 May 2025 12:09

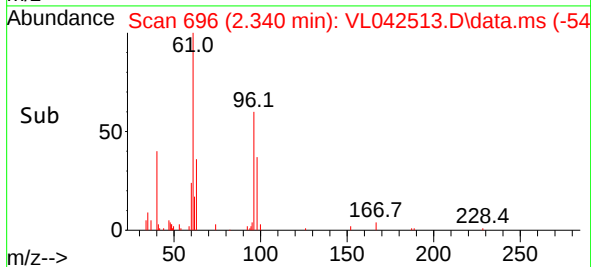
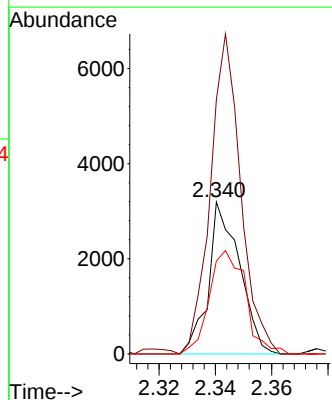
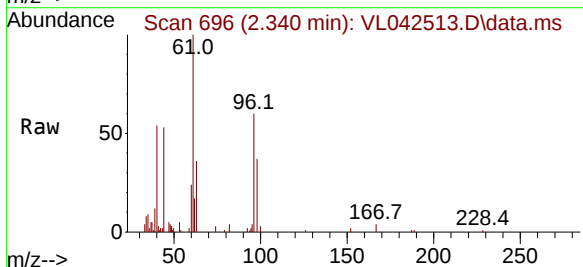
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL2 0.45

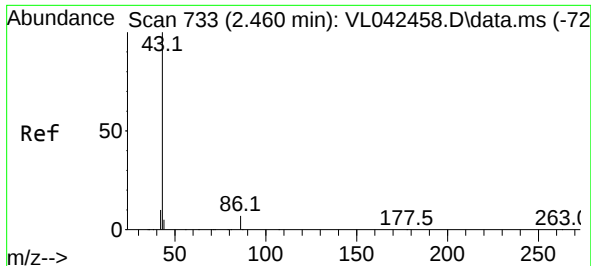
Tgt Ion: 41 Resp: 3975
 Ion Ratio Lower Upper
 41 100
 76 32.4 19.6 29.4#
 39 95.4 61.0 91.4#



#22
 trans-1,2-Dichloroethene
 Concen: 0.468 ppbv
 RT: 2.340 min Scan# 696
 Delta R.T. 0.000 min
 Lab File: VL042513.D
 Acq: 07 May 2025 12:09

Tgt Ion: 96 Resp: 2446
 Ion Ratio Lower Upper
 96 100
 61 196.0 141.8 212.6
 98 61.1 45.0 67.6

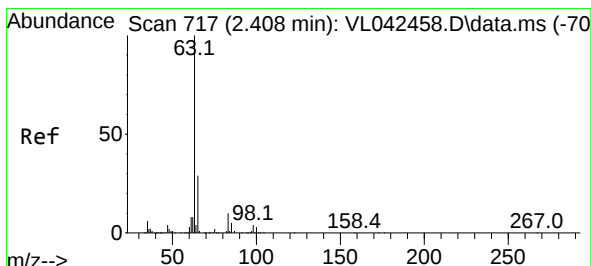
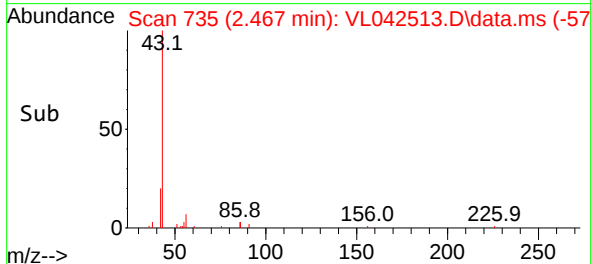
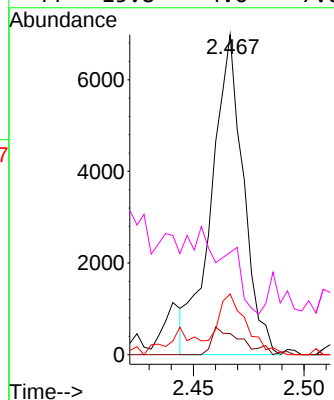
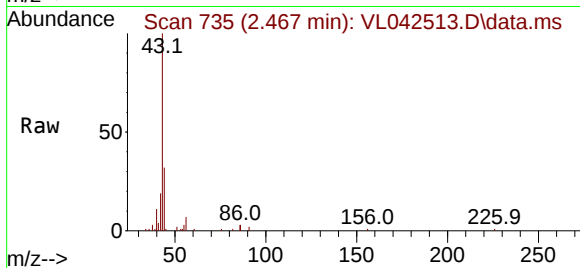




#23
 Vinyl Acetate
 Concen: 0.510 ppbv
 RT: 2.467 min Scan# 718
 Delta R.T. 0.007 min
 Lab File: VL042513.D
 Acq: 07 May 2025 12:09

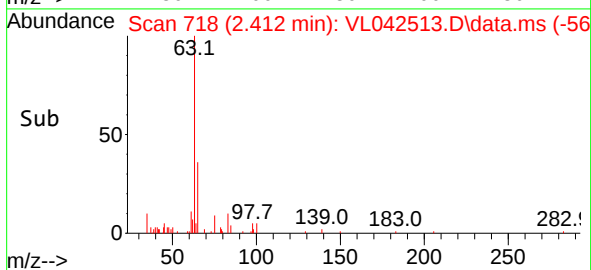
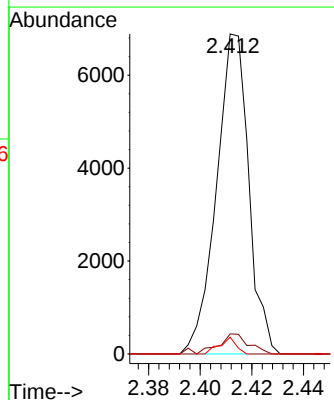
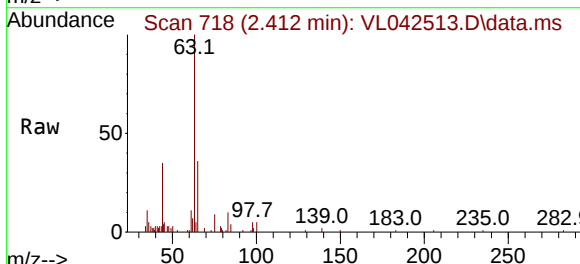
Instrument :
 MSVOA_1
 ClientSampleId :
 MDL2 0.45

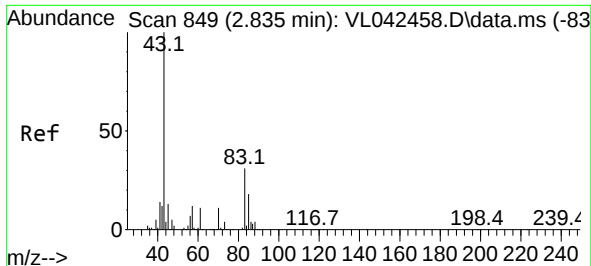
Tgt Ion:	43	Resp:	6975
Ion	Ratio	Lower	Upper
43	100		
86	6.6	5.5	8.3
42	18.0	8.3	12.5#
44	15.8	4.6	7.0#



#24
 1,1-Dichloroethane
 Concen: 0.562 ppbv
 RT: 2.412 min Scan# 718
 Delta R.T. 0.003 min
 Lab File: VL042513.D
 Acq: 07 May 2025 12:09

Tgt Ion:	63	Resp:	5985
Ion	Ratio	Lower	Upper
63	100		
98	6.2	1.8	5.5#
100	5.2	1.4	4.2#





#25

Ethyl Acetate

Concen: 0.360 ppbv

RT: 2.845 min Scan# 81

Delta R.T. 0.010 min

Lab File: VL042513.D

Acq: 07 May 2025 12:09

Instrument :

MSVOA_L

ClientSampleId :

MDL2 0.45

Tgt Ion: 43 Resp: 8259

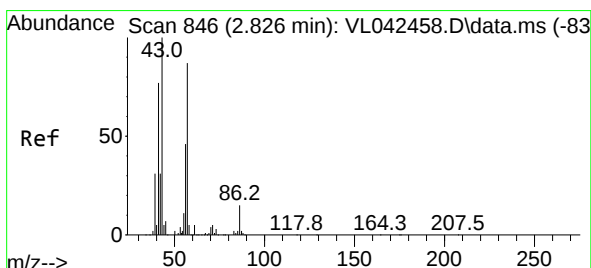
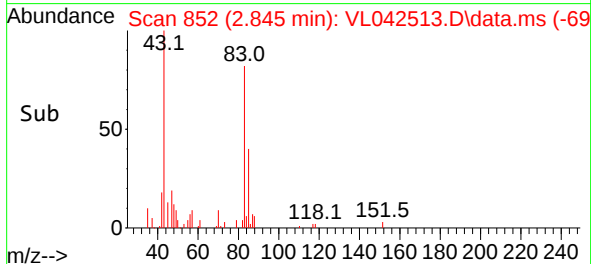
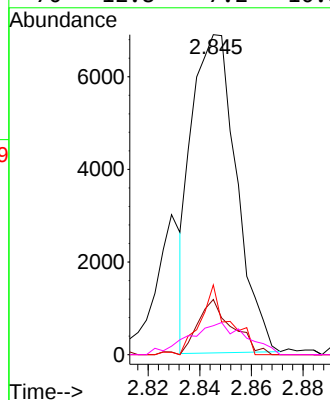
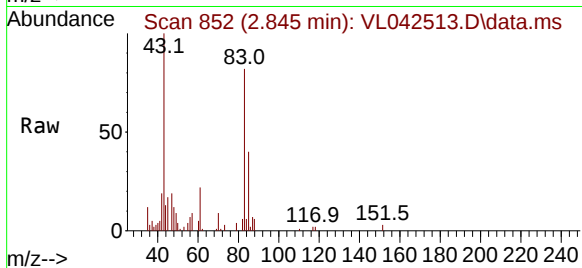
Ion Ratio Lower Upper

43 100

45 13.8 7.8 11.6#

61 14.1 7.2 10.8#

70 12.8 7.2 10.8#



#26

Hexane

Concen: 0.438 ppbv

RT: 2.832 min Scan# 848

Delta R.T. 0.007 min

Lab File: VL042513.D

Acq: 07 May 2025 12:09

Tgt Ion: 57 Resp: 4385

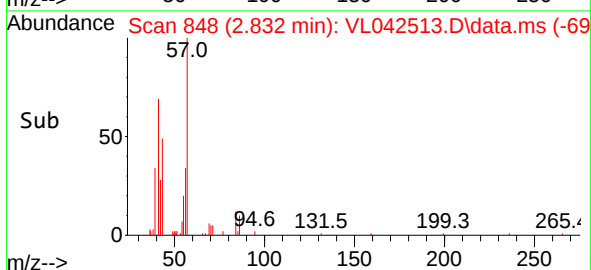
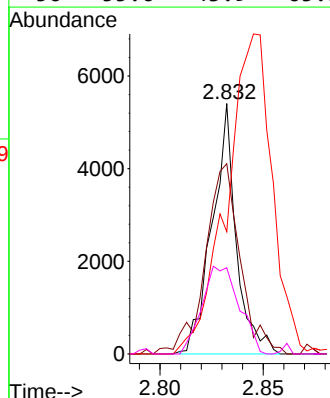
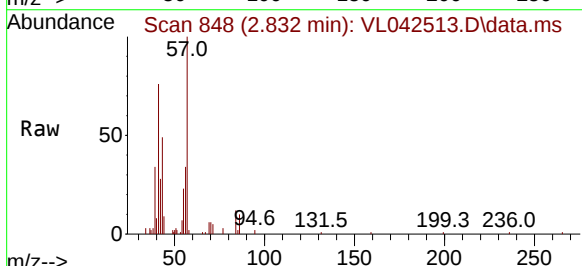
Ion Ratio Lower Upper

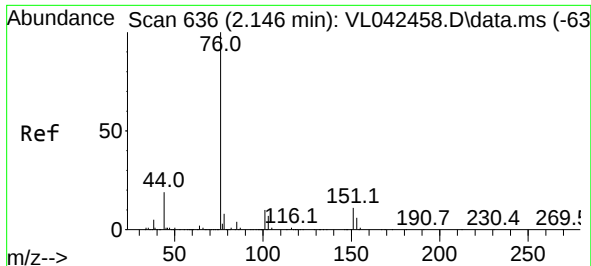
57 100

41 112.1 77.8 116.8

43 243.6 187.0 280.6

56 55.6 43.9 65.9





#27

Carbon Disulfide

Concen: 0.539 ppbv

RT: 2.153 min Scan# 61

Delta R.T. 0.007 min

Lab File: VL042513.D

Acq: 07 May 2025 12:09

Instrument :

MSVOA_L

ClientSampleId :

MDL2 0.45

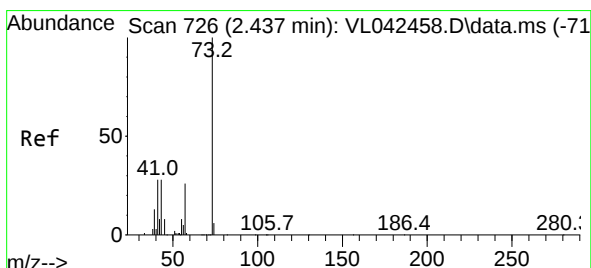
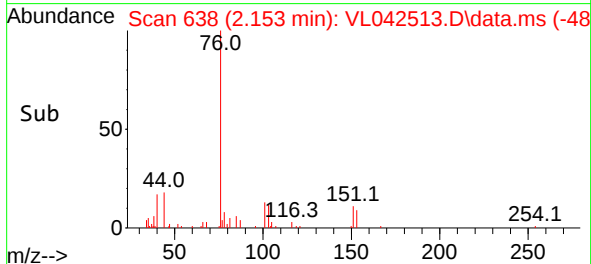
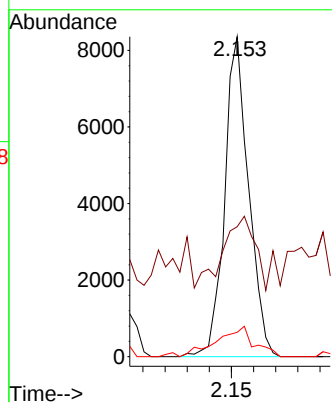
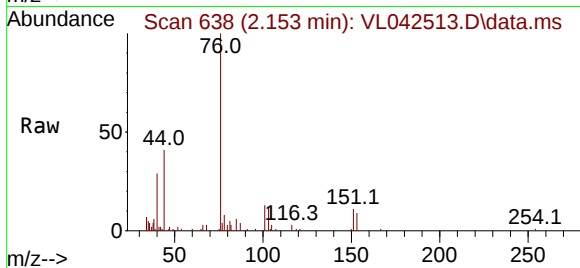
Tgt Ion: 76 Resp: 6291

Ion Ratio Lower Upper

76 100

44 74.0 21.0 31.6#

78 14.5 8.6 13.0#



#28

Methyl tert-Butyl Ether

Concen: 0.560 ppbv

RT: 2.447 min Scan# 729

Delta R.T. 0.010 min

Lab File: VL042513.D

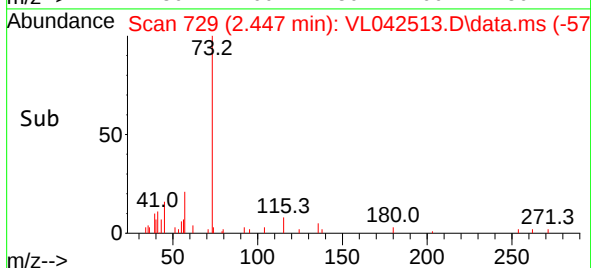
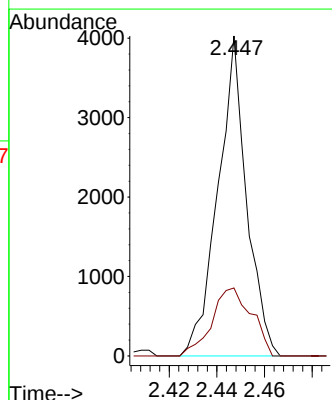
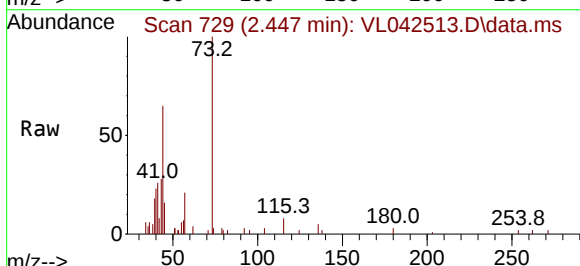
Acq: 07 May 2025 12:09

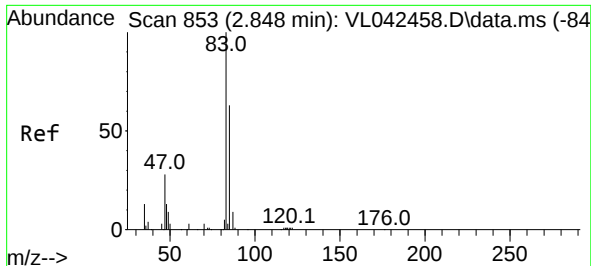
Tgt Ion: 73 Resp: 3364

Ion Ratio Lower Upper

73 100

57 29.4 19.9 29.9





#29

Chloroform

Concen: 0.527 ppbv

RT: 2.852 min Scan# 854

Delta R.T. 0.003 min

Lab File: VL042513.D

Acq: 07 May 2025 12:09

Instrument :

MSVOA_L

ClientSampleId :

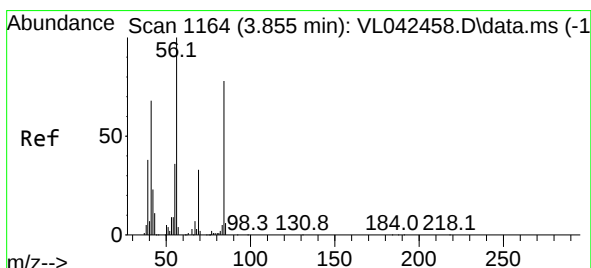
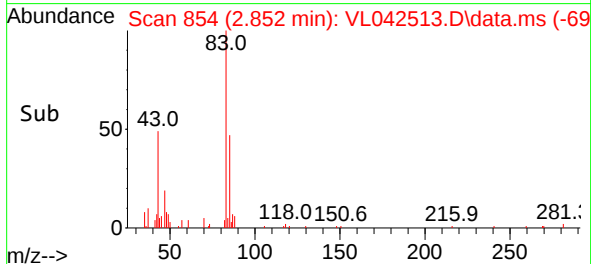
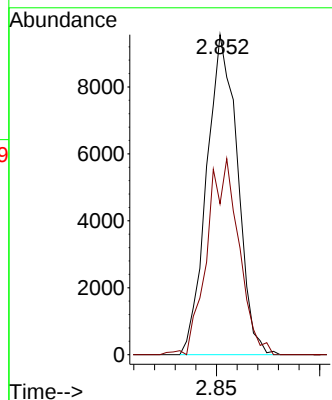
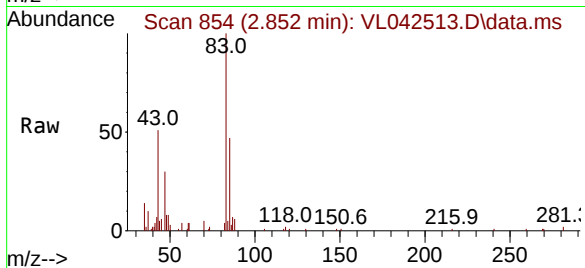
MDL2 0.45

Tgt Ion: 83 Resp: 9876

Ion Ratio Lower Upper

83 100

85 47.1 50.4 75.6#



#30

Cyclohexane

Concen: 0.346 ppbv

RT: 3.865 min Scan# 1167

Delta R.T. 0.010 min

Lab File: VL042513.D

Acq: 07 May 2025 12:09

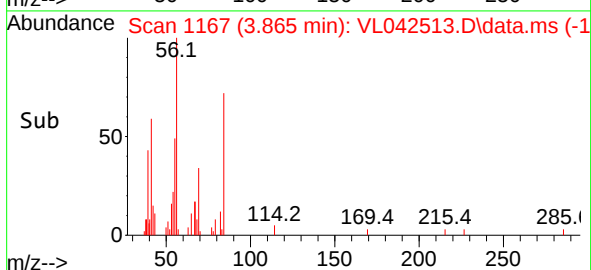
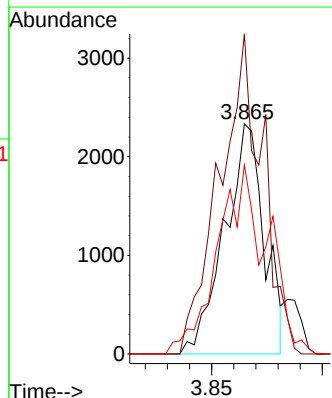
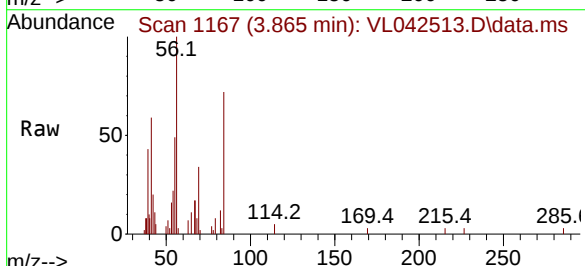
Tgt Ion: 84 Resp: 2894

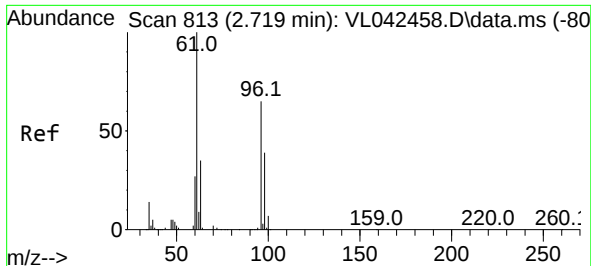
Ion Ratio Lower Upper

84 100

56 151.6 98.1 147.1#

41 103.5 65.8 98.8#

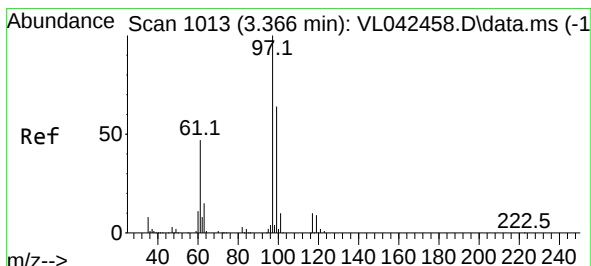
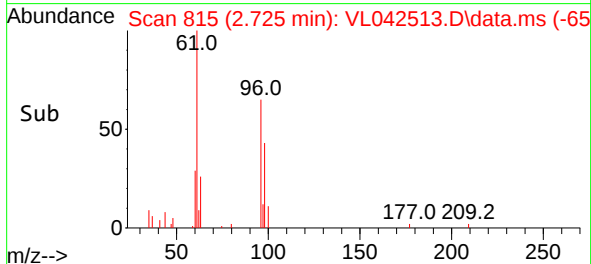
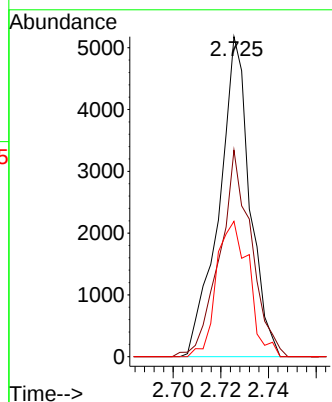
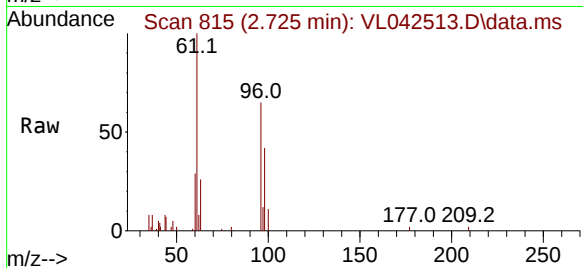




#31
 cis-1,2-Dichloroethene
 Concen: 0.400 ppbv
 RT: 2.725 min Scan# 813
 Delta R.T. 0.007 min
 Lab File: VL042513.D
 Acq: 07 May 2025 12:09

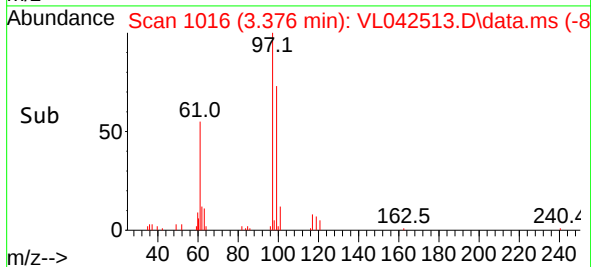
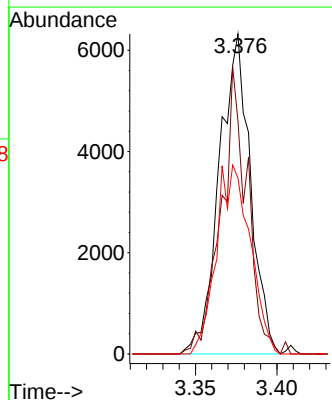
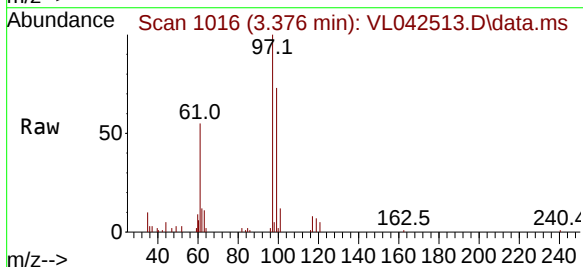
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL2 0.45

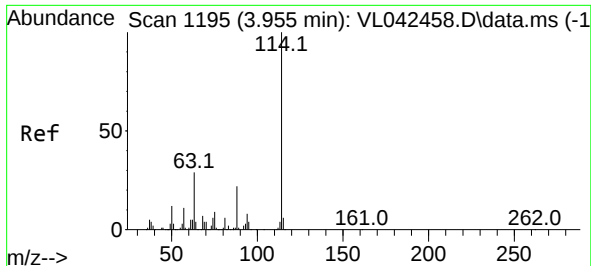
Tgt Ion:	61	Resp:	4665
Ion	Ratio	Lower	Upper
61	100		
96	63.2	52.0	78.0
98	42.3	31.0	46.6



#32
 1,1,1-Trichloroethane
 Concen: 0.411 ppbv
 RT: 3.376 min Scan# 1016
 Delta R.T. 0.010 min
 Lab File: VL042513.D
 Acq: 07 May 2025 12:09

Tgt Ion:	97	Resp:	8352
Ion	Ratio	Lower	Upper
97	100		
99	75.7	50.7	76.1
61	64.7	40.9	61.3





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.965 min Scan# 1198

Delta R.T. 0.010 min

Lab File: VL042513.D

Acq: 07 May 2025 12:09

Instrument :

MSVOA_L

ClientSampleId :

MDL2 0.45

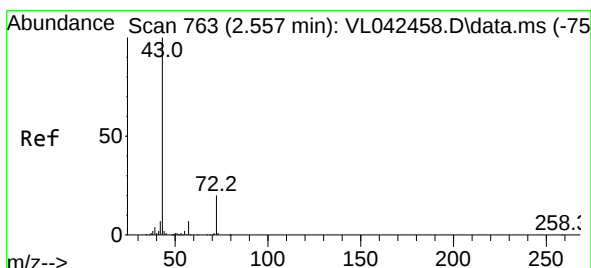
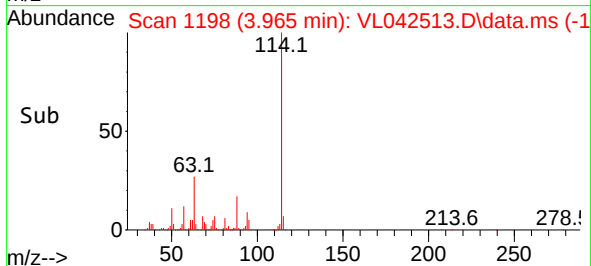
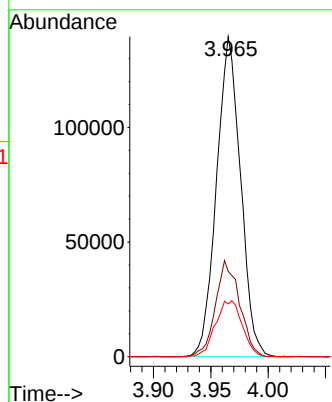
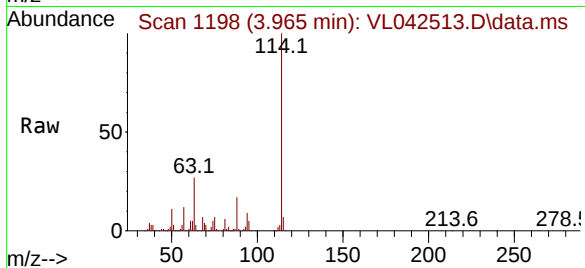
Tgt Ion:114 Resp: 203636

Ion Ratio Lower Upper

114 100

63 30.2 23.1 34.7

88 19.5 16.1 24.1



#34

2-Butanone

Concen: 0.535 ppbv

RT: 2.564 min Scan# 765

Delta R.T. 0.007 min

Lab File: VL042513.D

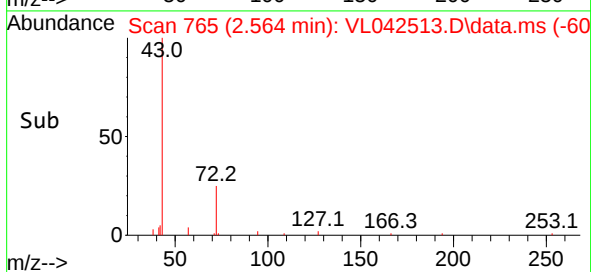
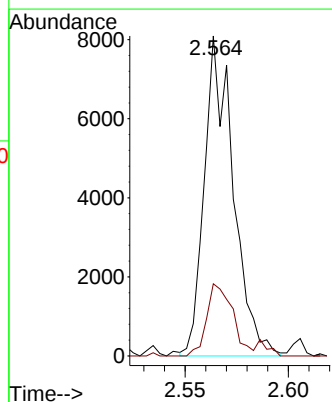
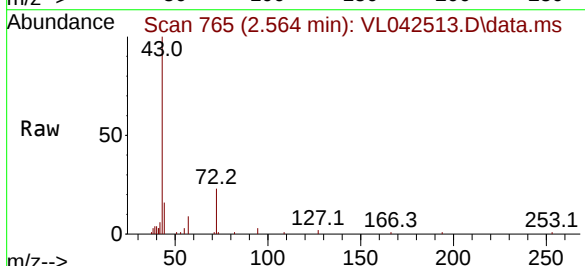
Acq: 07 May 2025 12:09

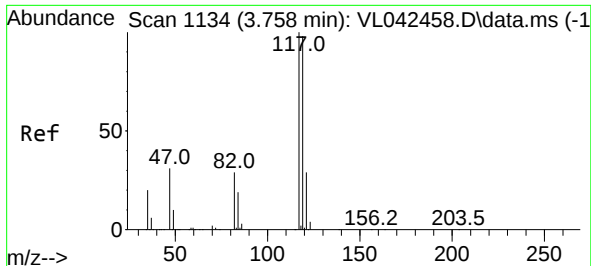
Tgt Ion: 43 Resp: 7876

Ion Ratio Lower Upper

43 100

72 22.1 16.7 25.1

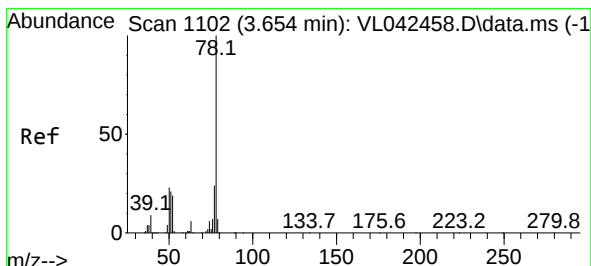
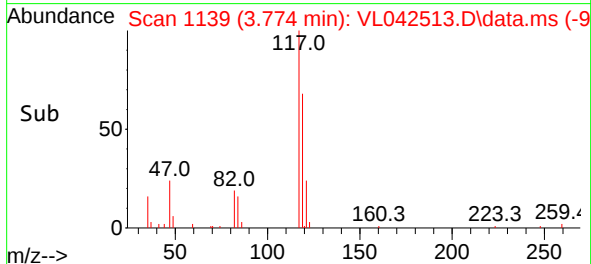
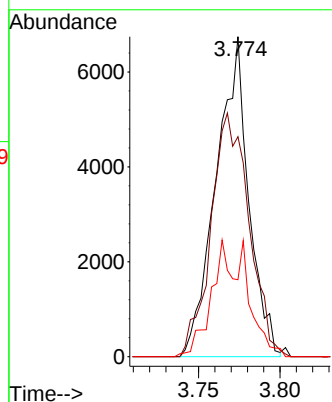
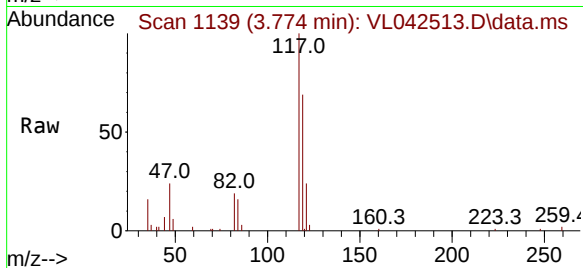




#35
Carbon Tetrachloride
Concen: 0.508 ppbv
RT: 3.774 min Scan# 1139
Delta R.T. 0.016 min
Lab File: VL042513.D
Acq: 07 May 2025 12:09

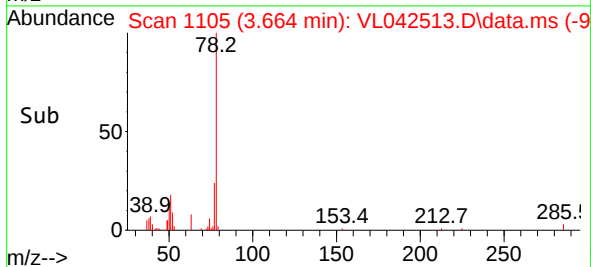
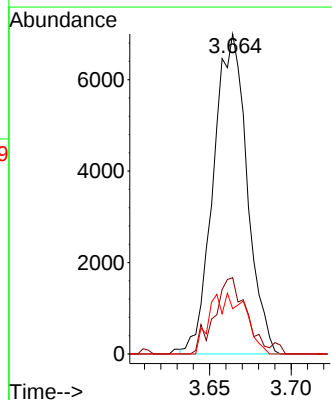
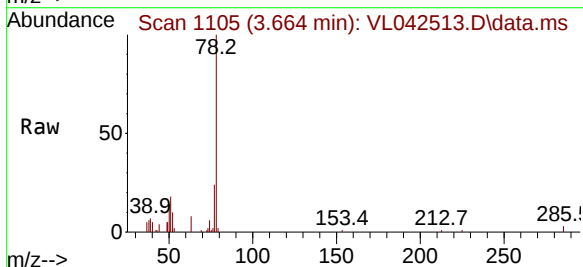
Instrument :
MSVOA_L
ClientSampleId :
MDL2 0.45

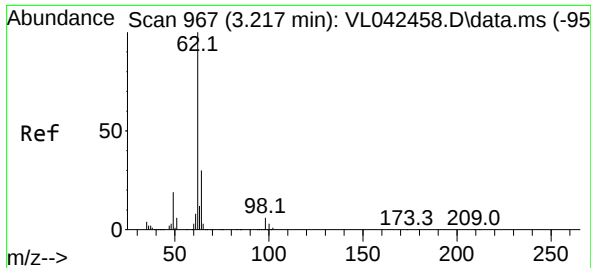
Tgt Ion:117 Resp: 9391
Ion Ratio Lower Upper
117 100
119 68.7 78.1 117.1#
121 23.1 23.0 34.6



#36
Benzene
Concen: 0.522 ppbv
RT: 3.664 min Scan# 1105
Delta R.T. 0.010 min
Lab File: VL042513.D
Acq: 07 May 2025 12:09

Tgt Ion: 78 Resp: 10033
Ion Ratio Lower Upper
78 100
77 23.8 18.9 28.3
50 14.2 18.4 27.6#





#37

1,2-Dichloroethane

Concen: 0.516 ppbv

RT: 3.227 min Scan# 91

Delta R.T. 0.010 min

Lab File: VL042513.D

Acq: 07 May 2025 12:09

Instrument :

MSVOA_L

ClientSampleId :

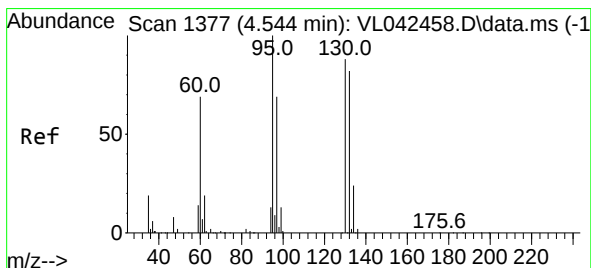
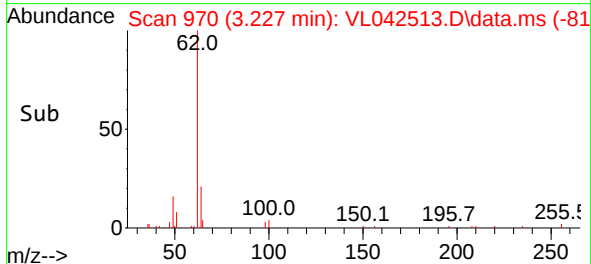
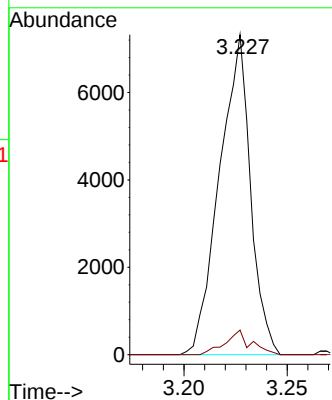
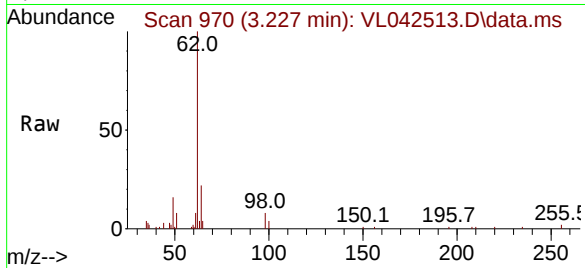
MDL2 0.45

Tgt Ion: 62 Resp: 7639

Ion Ratio Lower Upper

62 100

98 6.3 4.3 6.5



#38

Trichloroethene

Concen: 0.303 ppbv

RT: 4.557 min Scan# 1381

Delta R.T. 0.013 min

Lab File: VL042513.D

Acq: 07 May 2025 12:09

Tgt Ion:130 Resp: 2217

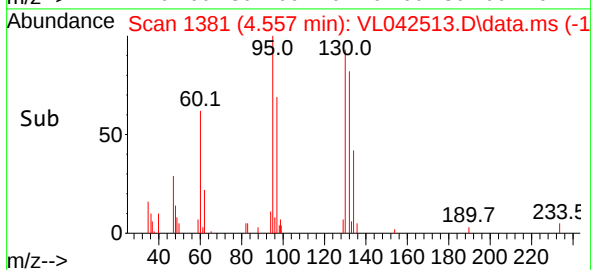
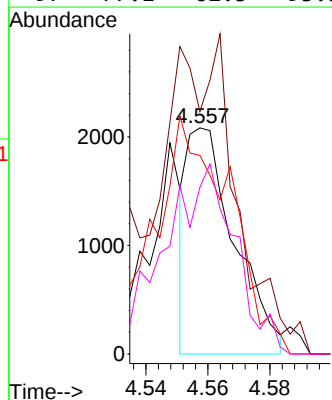
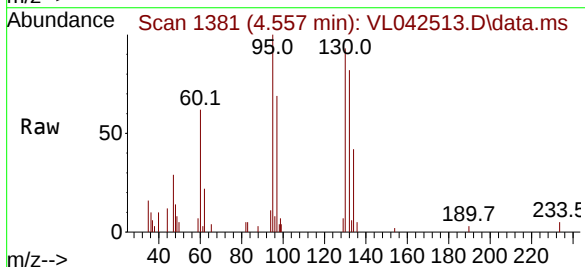
Ion Ratio Lower Upper

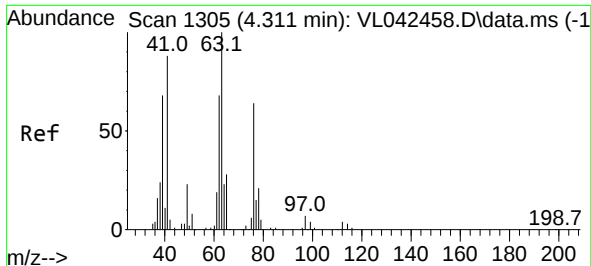
130 100

95 99.7 91.0 136.4

132 86.1 74.2 111.4

97 77.1 62.3 93.5





#39

1,2-Dichloropropane

Concen: 0.168 ppbv

RT: 4.311 min Scan# 1

Delta R.T. 0.000 min

Lab File: VL042513.D

Acq: 07 May 2025 12:09

Instrument :

MSVOA_L

ClientSampleId :

MDL2 0.45

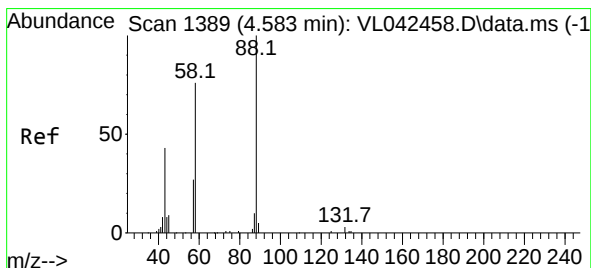
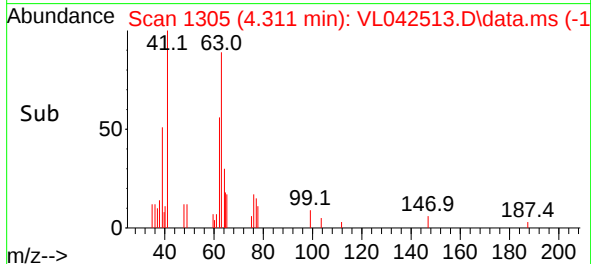
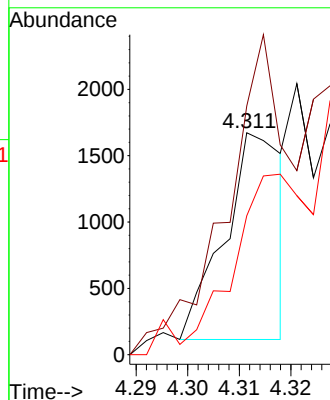
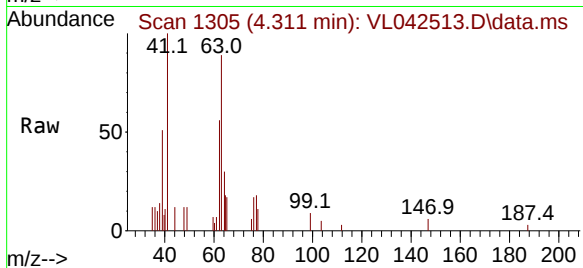
Tgt Ion: 63 Resp: 1209

Ion Ratio Lower Upper

63 100

41 93.6 69.8 104.6

62 62.3 54.3 81.5



#40

1,4-Dioxane

Concen: 0.084 ppbv

RT: 4.603 min Scan# 1395

Delta R.T. 0.020 min

Lab File: VL042513.D

Acq: 07 May 2025 12:09

Tgt Ion: 88 Resp: 282

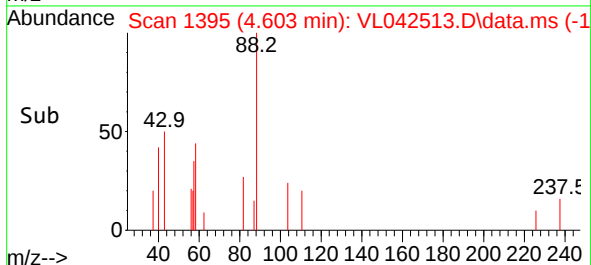
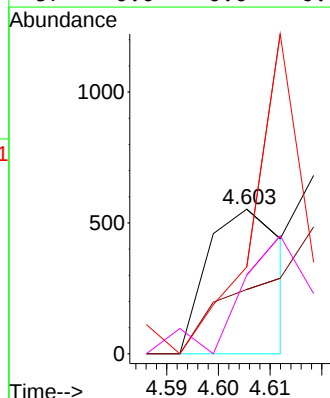
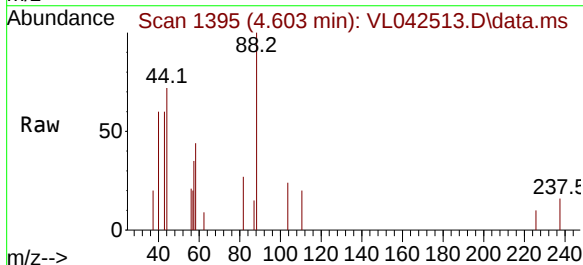
Ion Ratio Lower Upper

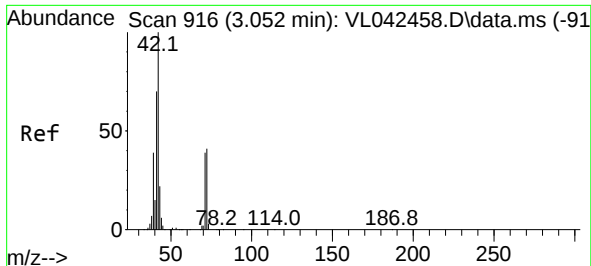
88 100

58 0.0 0.0 0.0

43 547.9 0.0 0.0#

57 0.0 0.0 0.0

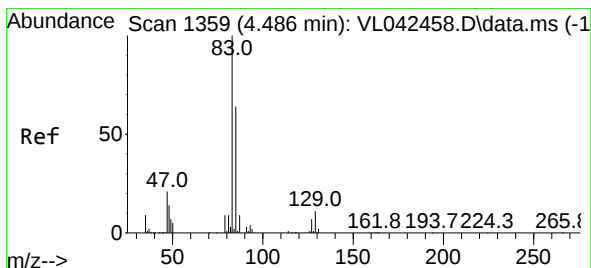
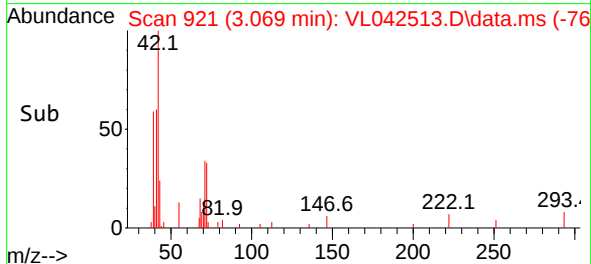
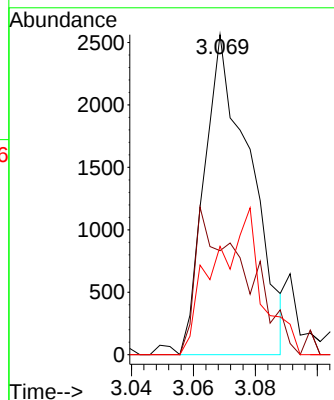
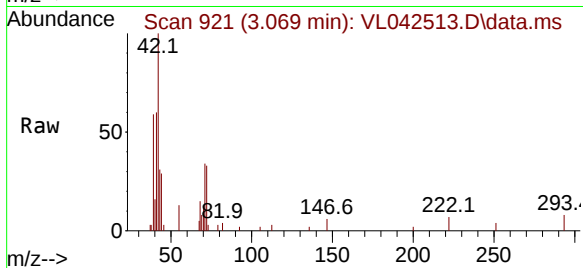




#41
Tetrahydrofuran
Concen: 0.376 ppbv
RT: 3.069 min Scan# 916
Delta R.T. 0.016 min
Lab File: VL042513.D
Acq: 07 May 2025 12:09

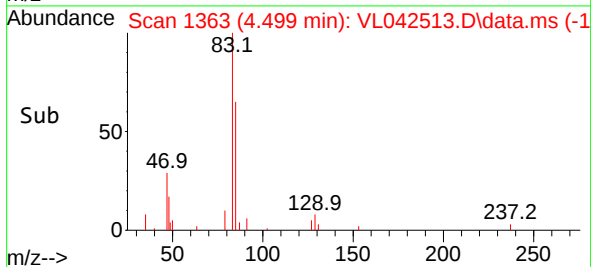
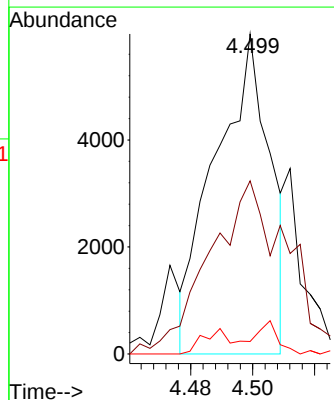
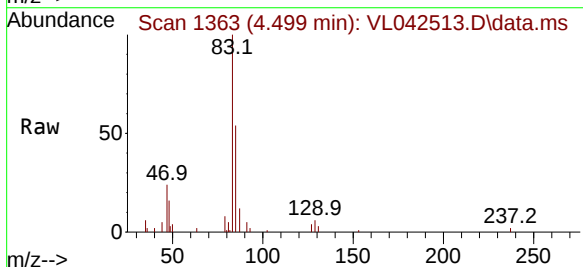
Instrument :
MSVOA_L
ClientSampleId :
MDL2 0.45

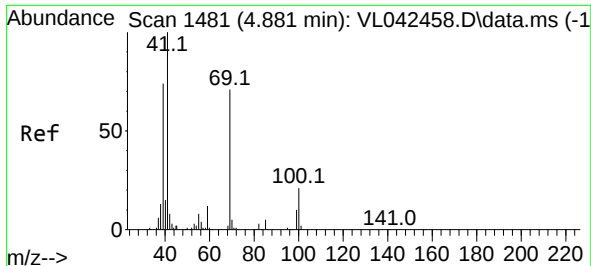
Tgt Ion: 42 Resp: 2629
Ion Ratio Lower Upper
42 100
72 51.2 33.5 50.3#
71 0.0 32.6 49.0#



#42
Bromodichloromethane
Concen: 0.406 ppbv
RT: 4.499 min Scan# 1363
Delta R.T. 0.013 min
Lab File: VL042513.D
Acq: 07 May 2025 12:09

Tgt Ion: 83 Resp: 7343
Ion Ratio Lower Upper
83 100
85 56.3 51.5 77.3
127 4.9 5.4 8.2#

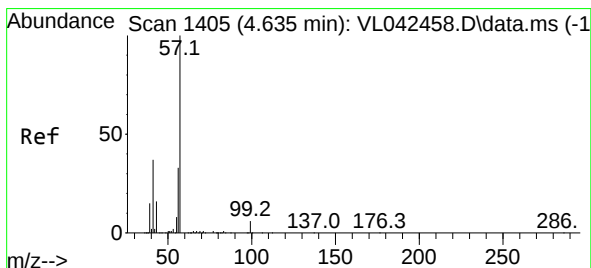
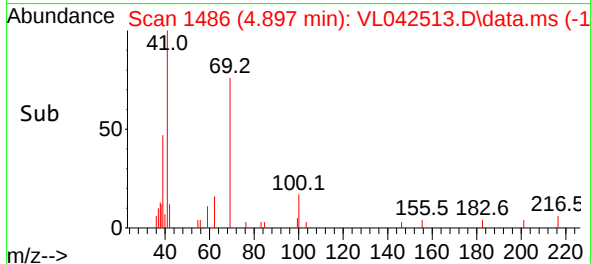
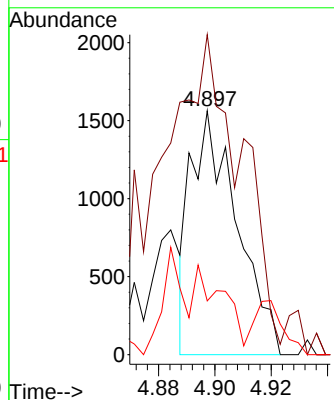
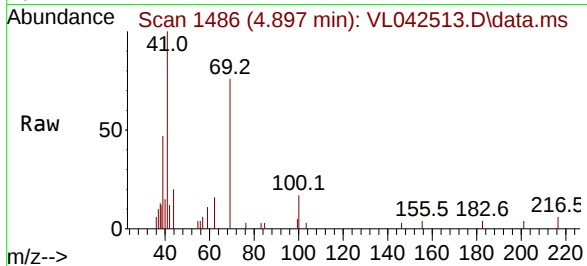




#43
Methyl Methacrylate
Concen: 0.248 ppbv
RT: 4.897 min Scan# 1486
Delta R.T. 0.016 min
Lab File: VL042513.D
Acq: 07 May 2025 12:09

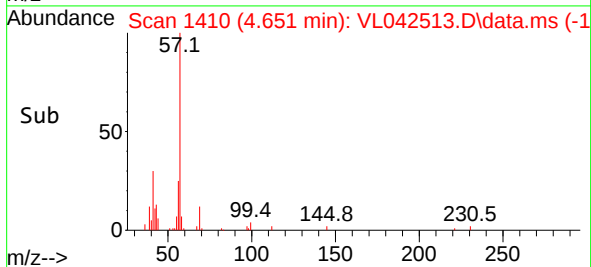
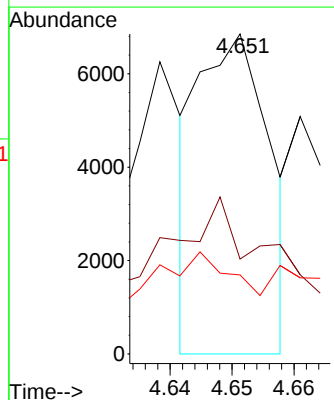
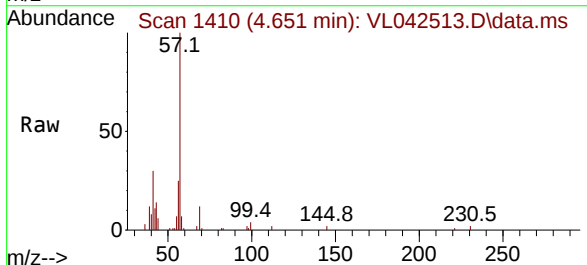
Instrument :
MSVOA_L
ClientSampleId :
MDL2 0.45

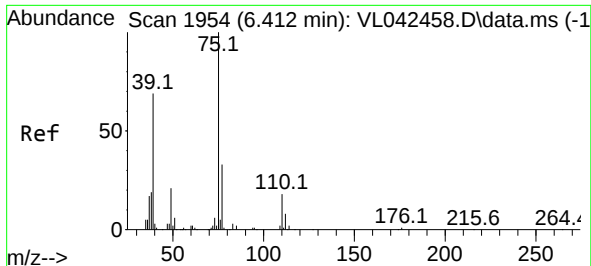
Tgt Ion: 69 Resp: 1775
Ion Ratio Lower Upper
69 100
41 235.2 120.8 181.2#
100 0.0 26.7 40.1#



#44
2,2,4-Trimethylpentane
Concen: 0.175 ppbv
RT: 4.651 min Scan# 1410
Delta R.T. 0.016 min
Lab File: VL042513.D
Acq: 07 May 2025 12:09

Tgt Ion: 57 Resp: 5465
Ion Ratio Lower Upper
57 100
41 111.3 30.6 45.8#
56 89.9 25.0 37.6#





#45

t-1,3-Dichloropropene

Concen: 0.057 ppbv

RT: 6.438 min Scan# 1954

Delta R.T. 0.026 min

Lab File: VL042513.D

Acq: 07 May 2025 12:09

Instrument :

MSVOA_L

ClientSampleId :

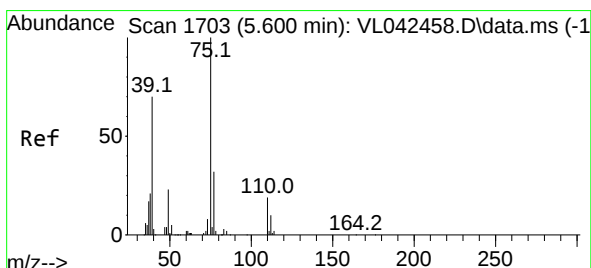
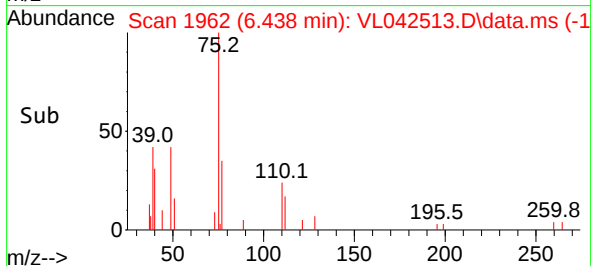
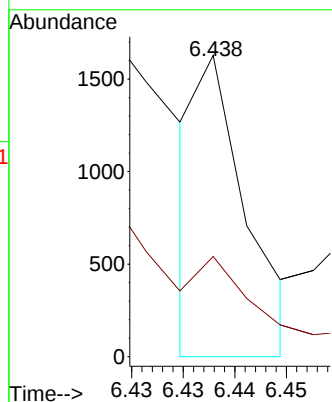
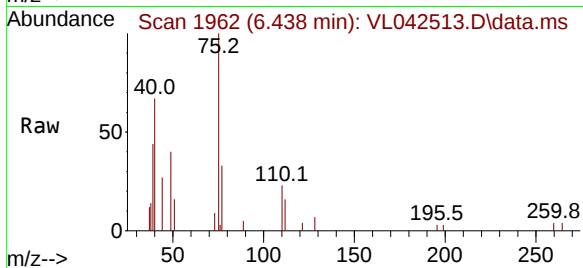
MDL2 0.45

Tgt Ion: 75 Resp: 535

Ion Ratio Lower Upper

75 100

77 33.2 26.3 39.5



#46

cis-1,3-Dichloropropene

Concen: 0.177 ppbv

RT: 5.609 min Scan# 1706

Delta R.T. 0.010 min

Lab File: VL042513.D

Acq: 07 May 2025 12:09

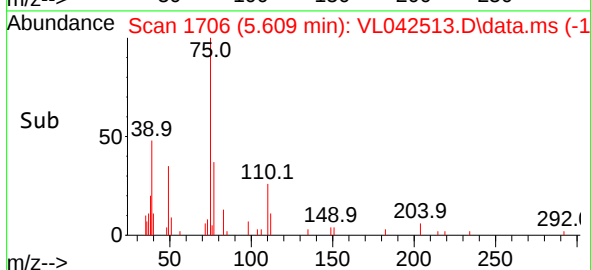
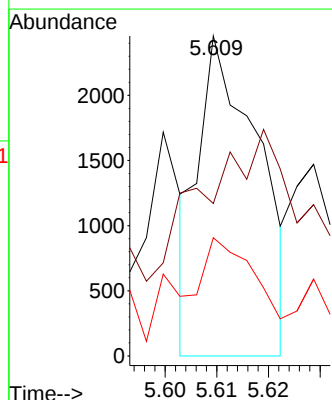
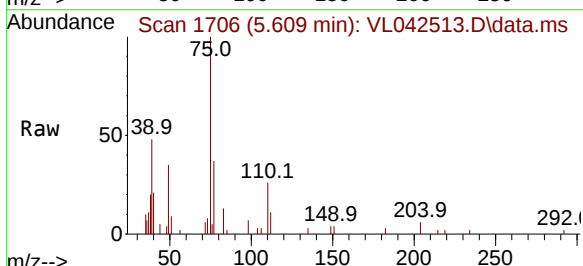
Tgt Ion: 75 Resp: 1975

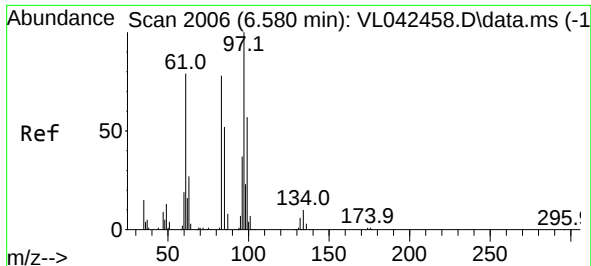
Ion Ratio Lower Upper

75 100

39 0.0 55.7 83.5#

77 42.6 25.8 38.8#

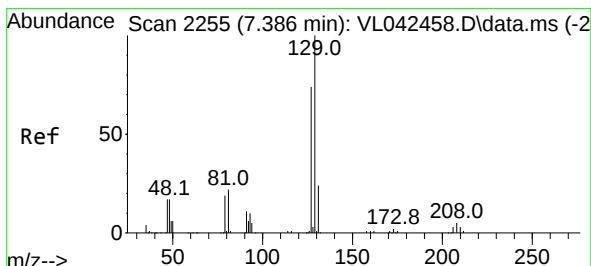
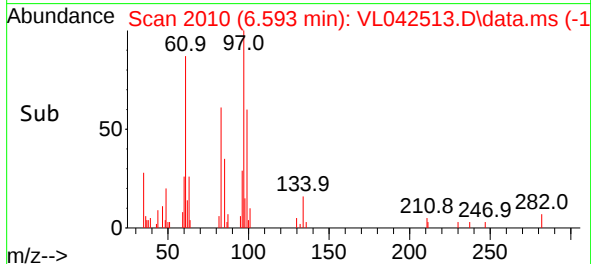
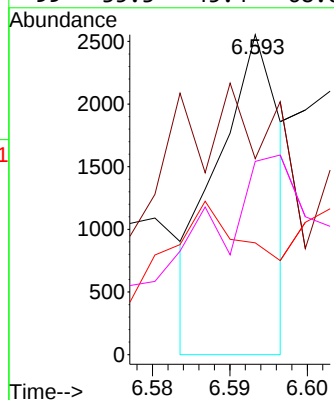
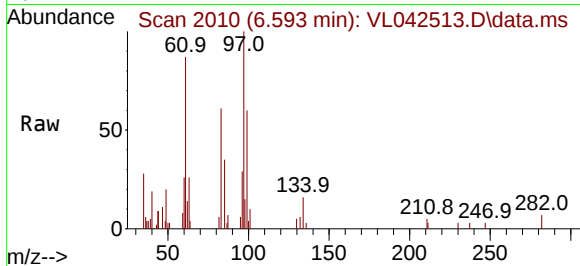




#47
 1,1,2-Trichloroethane
 Concen: 0.185 ppbv
 RT: 6.593 min Scan# 2010
 Delta R.T. 0.013 min
 Lab File: VL042513.D
 Acq: 07 May 2025 12:09

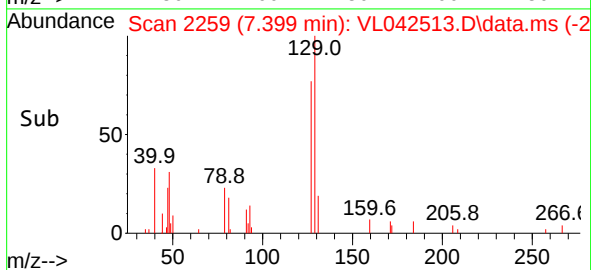
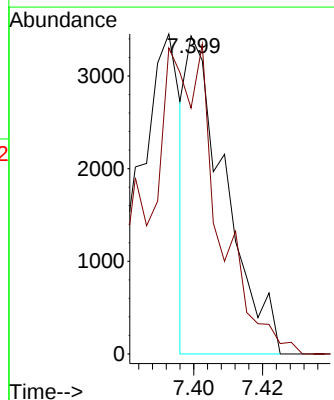
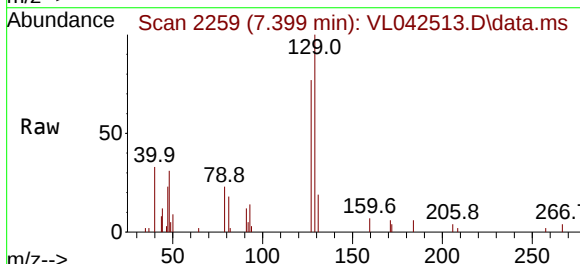
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL2 0.45

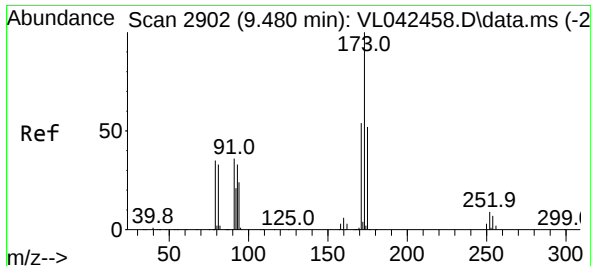
Tgt Ion: 97	Resp: 1457
Ion Ratio	Lower Upper
97 100	
83 0.0	62.2 93.2#
85 7.0	41.5 62.3#
99 35.3	45.4 68.0#



#48
 Dibromochloromethane
 Concen: 0.201 ppbv
 RT: 7.399 min Scan# 2259
 Delta R.T. 0.013 min
 Lab File: VL042513.D
 Acq: 07 May 2025 12:09

Tgt Ion:129	Resp:	2682	
Ion	Ratio	Lower	Upper
129	100		
127	178.3	39.5	118.5#





#49

Bromoform

Concen: 0.163 ppbv

RT: 9.497 min Scan# 2902

Delta R.T. 0.016 min

Lab File: VL042513.D

Acq: 07 May 2025 12:09

Instrument :

MSVOA_L

ClientSampleId :

MDL2 0.45

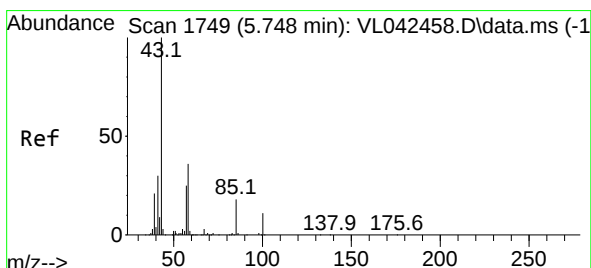
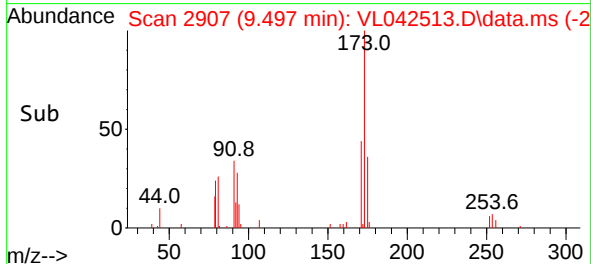
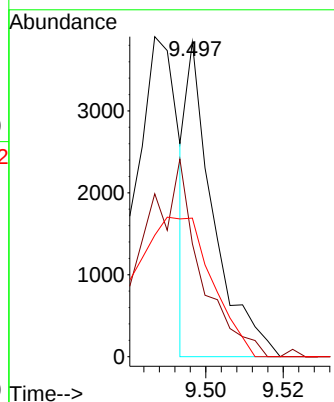
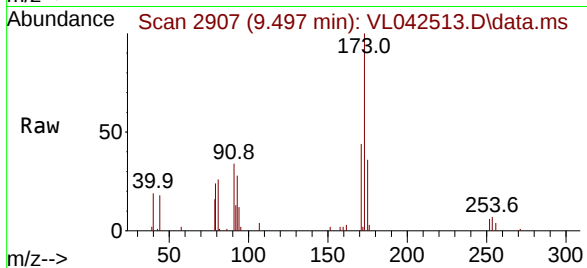
Tgt Ion:173 Resp: 1824

Ion Ratio Lower Upper

173 100

175 134.0 38.9 58.3#

171 0.0 40.6 60.8#



#50

4-Methyl-2-Pentanone

Concen: 0.183 ppbv

RT: 5.771 min Scan# 1756

Delta R.T. 0.023 min

Lab File: VL042513.D

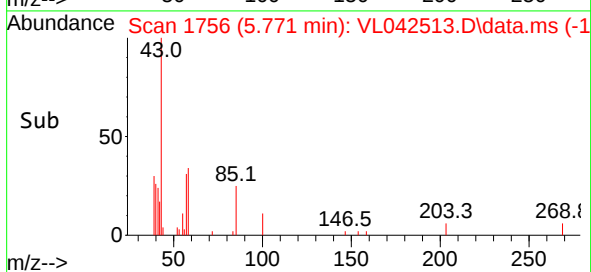
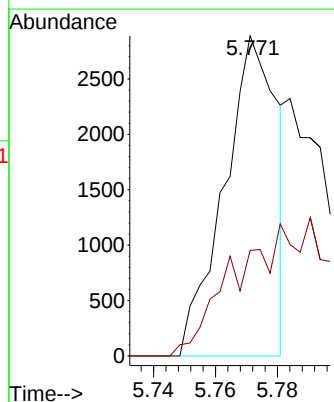
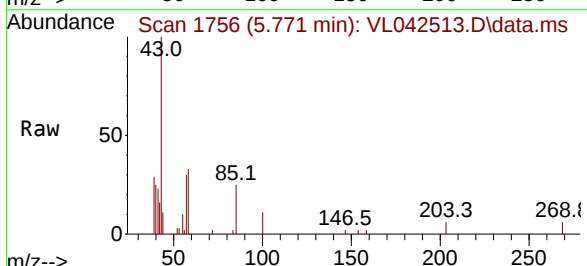
Acq: 07 May 2025 12:09

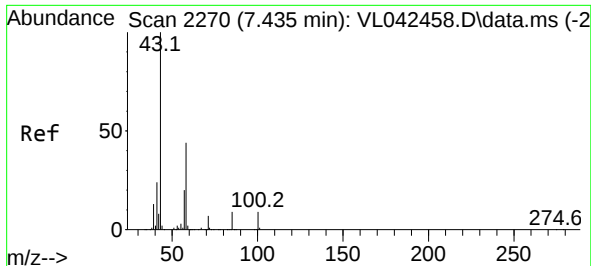
Tgt Ion: 43 Resp: 3401

Ion Ratio Lower Upper

43 100

58 0.0 29.5 44.3#

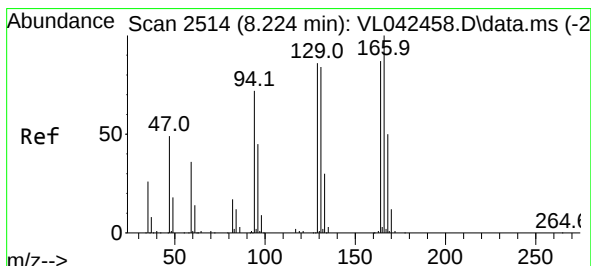
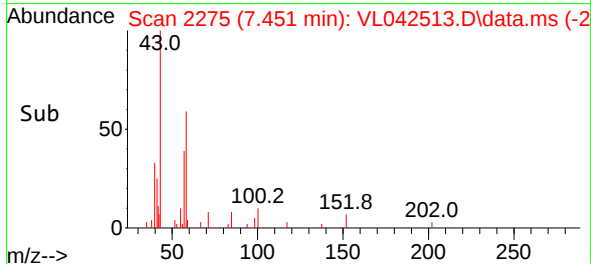
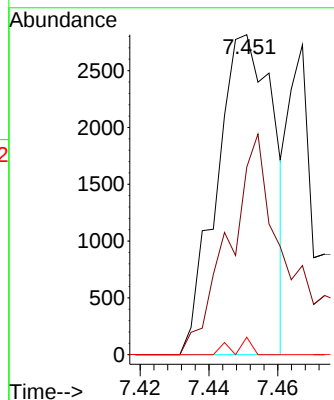
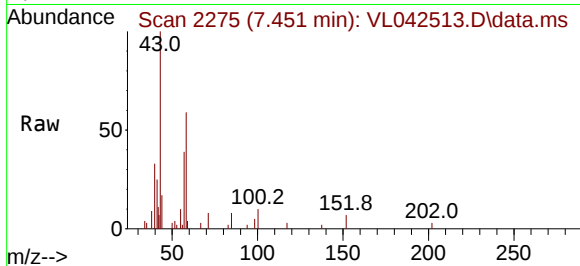




#51
2-Hexanone
Concen: 0.218 ppbv
RT: 7.451 min Scan# 2117
Delta R.T. 0.016 min
Lab File: VL042513.D
Acq: 07 May 2025 12:09

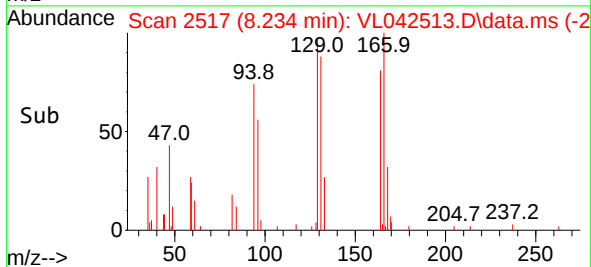
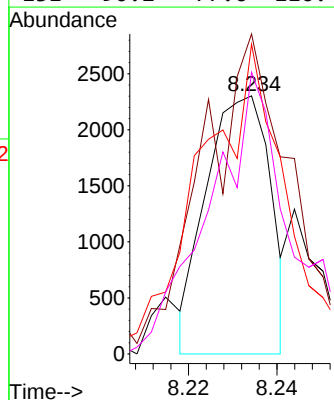
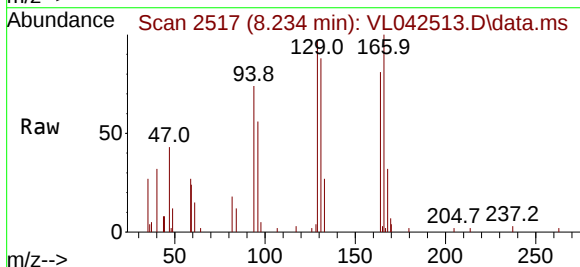
Instrument :
MSVOA_L
ClientSampleId :
MDL2 0.45

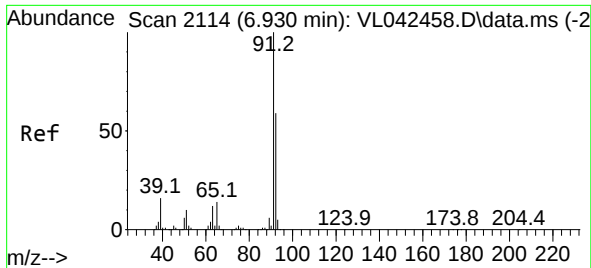
Tgt Ion: 43 Resp: 3248
Ion Ratio Lower Upper
43 100
58 75.1 37.2 55.8#
98 0.0 0.4 0.6#



#52
Tetrachloroethene
Concen: 0.318 ppbv
RT: 8.234 min Scan# 2517
Delta R.T. 0.010 min
Lab File: VL042513.D
Acq: 07 May 2025 12:09

Tgt Ion: 164 Resp: 2325
Ion Ratio Lower Upper
164 100
166 98.2 91.6 137.4
129 96.6 79.0 118.4
131 90.2 77.6 116.4

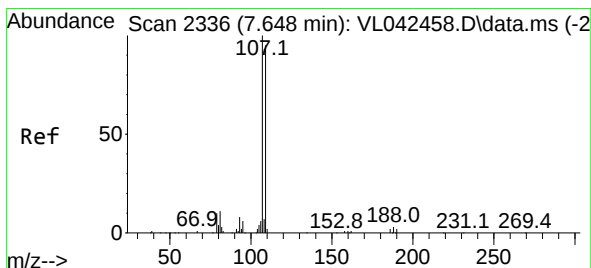
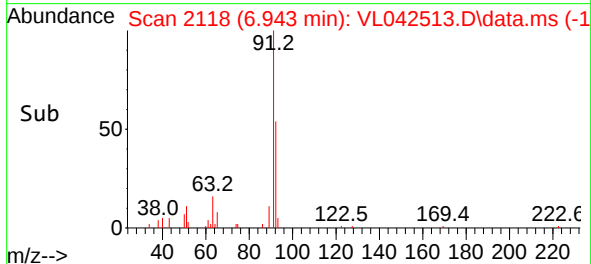
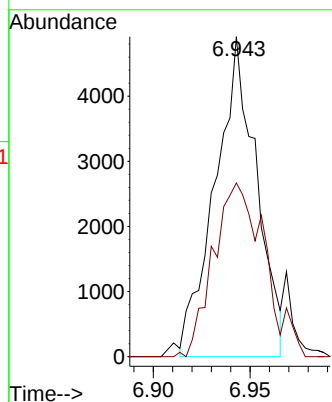
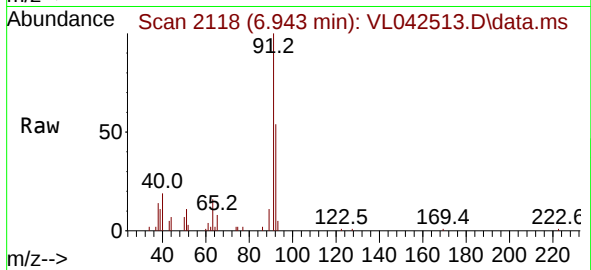




#53
Toluene
Concen: 0.357 ppbv
RT: 6.943 min Scan# 2114
Delta R.T. 0.013 min
Lab File: VL042513.D
Acq: 07 May 2025 12:09

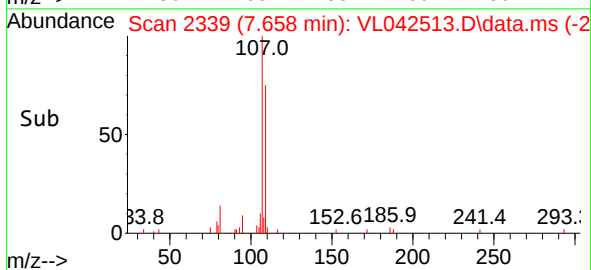
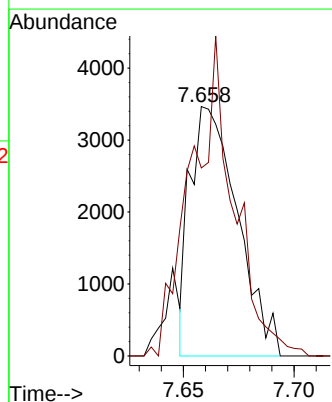
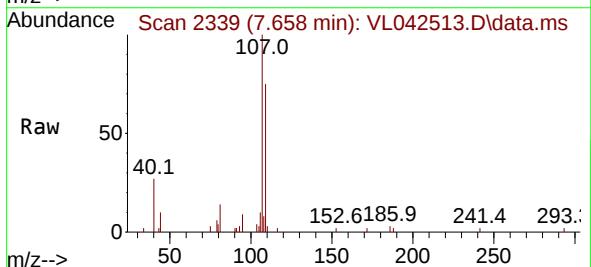
Instrument :
MSVOA_L
ClientSampleId :
MDL2 0.45

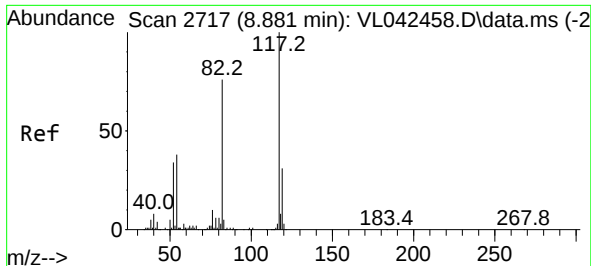
Tgt Ion: 91 Resp: 7269
Ion Ratio Lower Upper
91 100
92 67.5 47.9 71.9



#54
1,2-Dibromoethane
Concen: 0.429 ppbv
RT: 7.658 min Scan# 2339
Delta R.T. 0.010 min
Lab File: VL042513.D
Acq: 07 May 2025 12:09

Tgt Ion: 107 Resp: 5174
Ion Ratio Lower Upper
107 100
109 65.8 76.0 114.0#

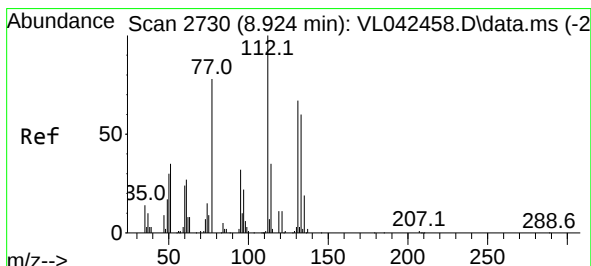
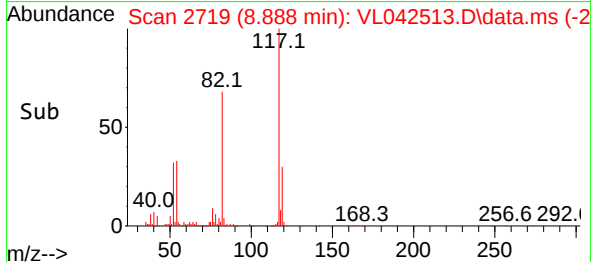
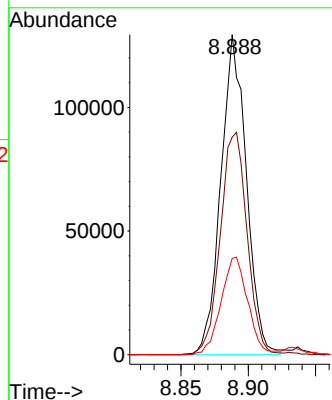
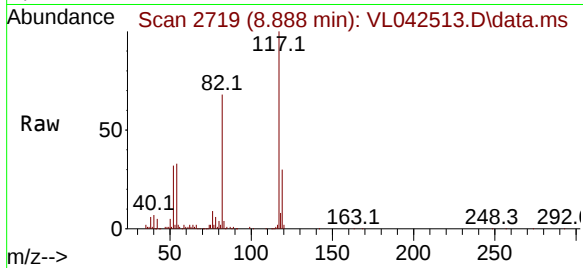




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.888 min Scan# 2717
Delta R.T. 0.007 min
Lab File: VL042513.D
Acq: 07 May 2025 12:09

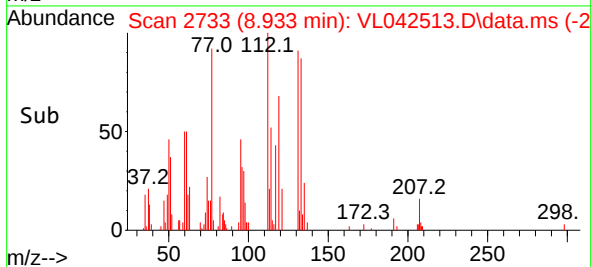
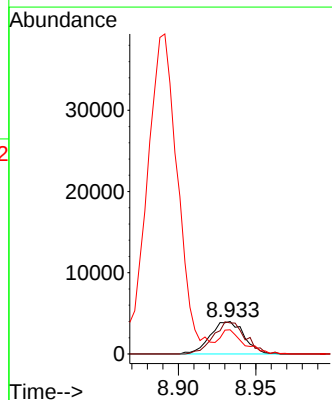
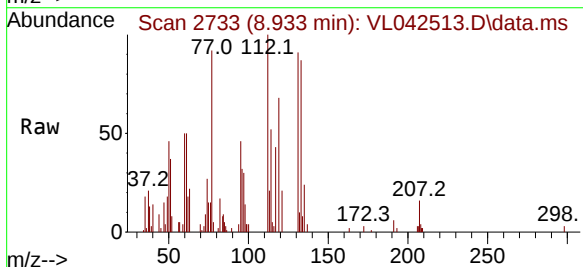
Instrument :
MSVOA_L
ClientSampleId :
MDL2 0.45

Tgt Ion:117 Resp: 170630
Ion Ratio Lower Upper
117 100
82 73.0 63.5 95.3
119 33.8 25.8 38.8



#56
1,1,1,2-Tetrachloroethane
Concen: 0.603 ppbv
RT: 8.933 min Scan# 2733
Delta R.T. 0.010 min
Lab File: VL042513.D
Acq: 07 May 2025 12:09

Tgt Ion:131 Resp: 6075
Ion Ratio Lower Upper
131 100
133 93.3 76.0 114.0
119 51.1 46.1 69.1

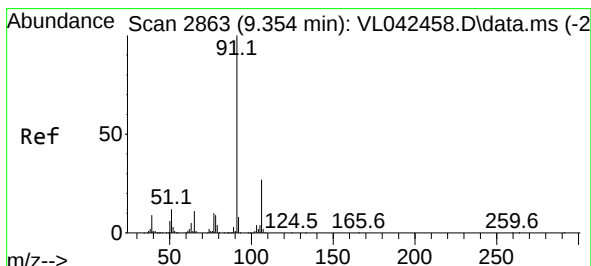
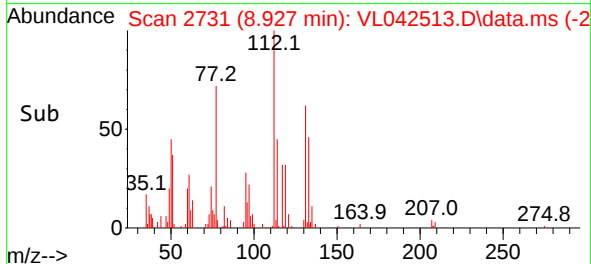
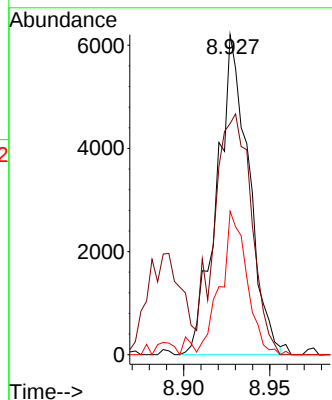
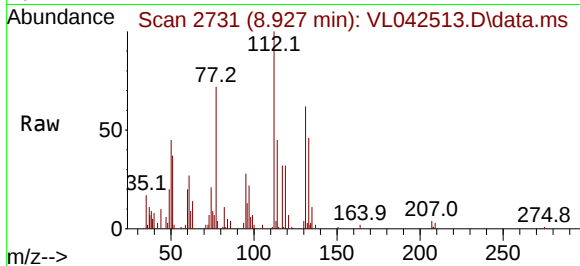




#57
Chlorobenzene
Concen: 0.465 ppbv
RT: 8.927 min Scan# 21
Delta R.T. 0.007 min
Lab File: VL042513.D
Acq: 07 May 2025 12:09

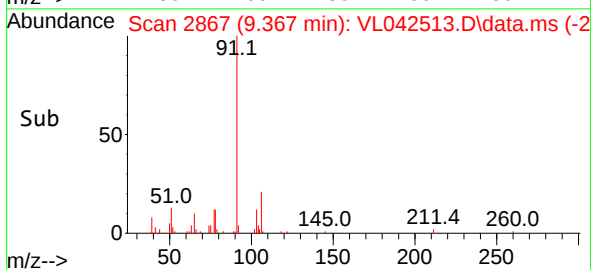
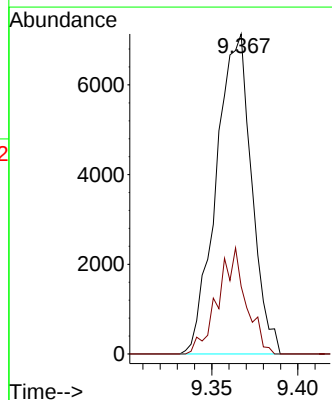
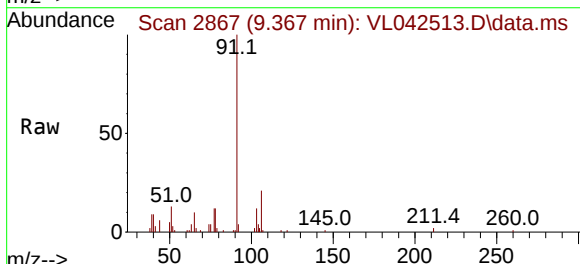
Instrument :
MSVOA_L
ClientSampleId :
MDL2 0.45

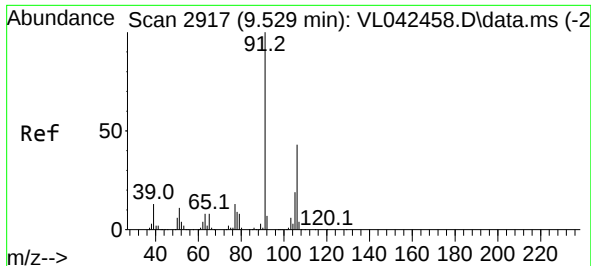
Tgt Ion:112 Resp: 7974
Ion Ratio Lower Upper
112 100
77 72.2 65.0 97.4
114 44.8 27.5 33.7#



#58
Ethyl Benzene
Concen: 0.357 ppbv
RT: 9.367 min Scan# 2867
Delta R.T. 0.013 min
Lab File: VL042513.D
Acq: 07 May 2025 12:09

Tgt Ion: 91 Resp: 10193
Ion Ratio Lower Upper
91 100
106 21.1 21.9 32.9#





#59

m/p-Xylene

Concen: 0.282 ppbv

RT: 9.542 min Scan# 2917

Delta R.T. 0.013 min

Lab File: VL042513.D

Acq: 07 May 2025 12:09

Instrument :

MSVOA_L

ClientSampleId :

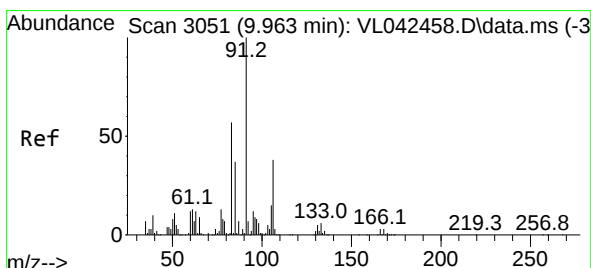
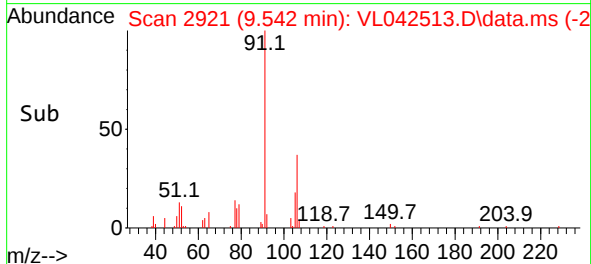
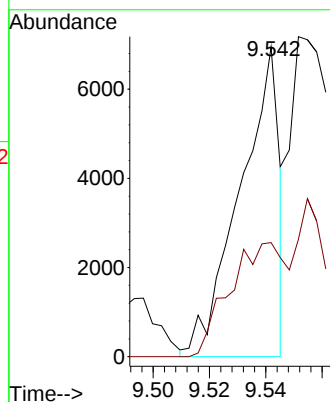
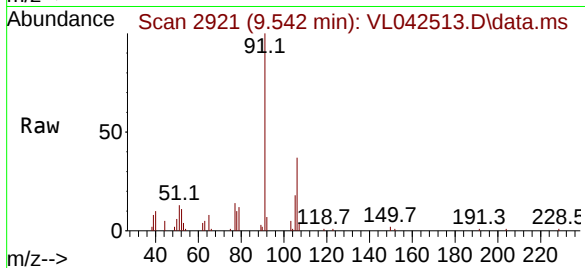
MDL2 0.45

Tgt Ion: 91 Resp: 6737

Ion Ratio Lower Upper

91 100

106 0.0 34.2 51.2#



#60

o-Xylene

Concen: 0.298 ppbv

RT: 9.969 min Scan# 3053

Delta R.T. 0.007 min

Lab File: VL042513.D

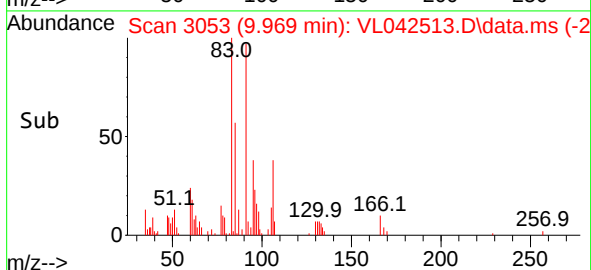
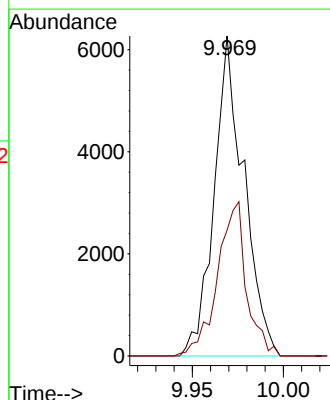
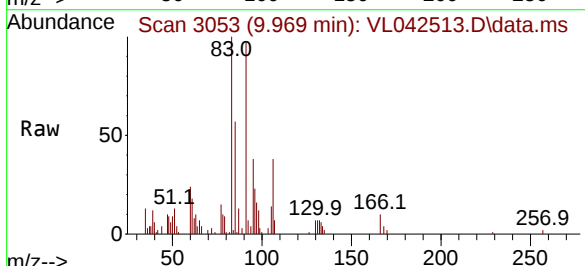
Acq: 07 May 2025 12:09

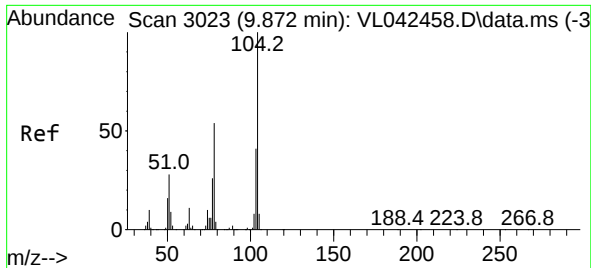
Tgt Ion: 91 Resp: 7134

Ion Ratio Lower Upper

91 100

106 46.8 20.1 60.2

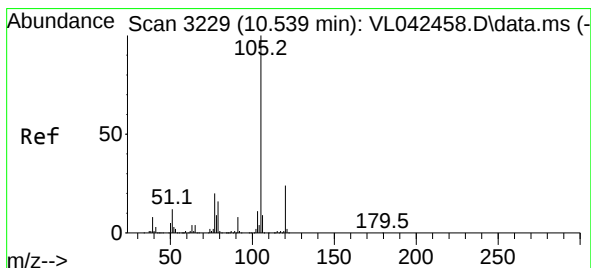
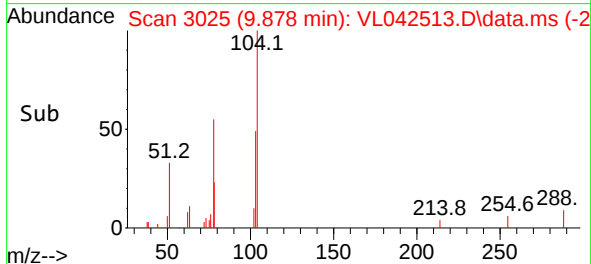
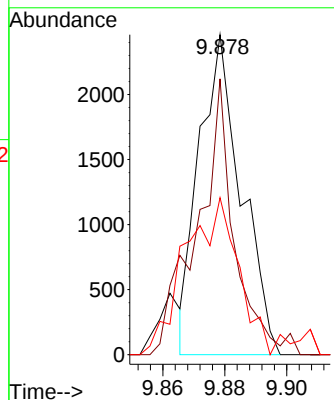
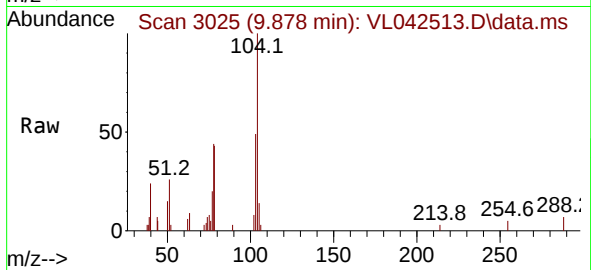




#61
Styrene
Concen: 0.260 ppbv
RT: 9.878 min Scan# 3023
Delta R.T. 0.007 min
Lab File: VL042513.D
Acq: 07 May 2025 12:09

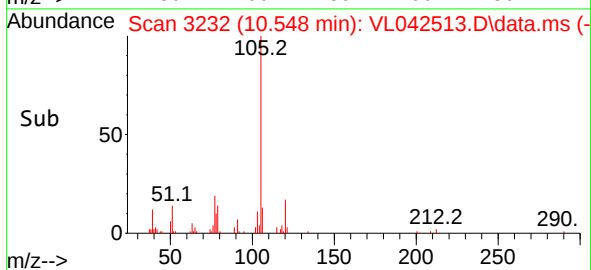
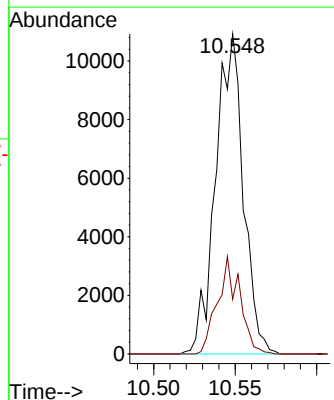
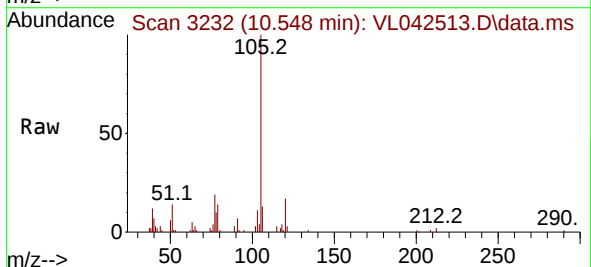
Instrument :
MSVOA_L
ClientSampleId :
MDL2 0.45

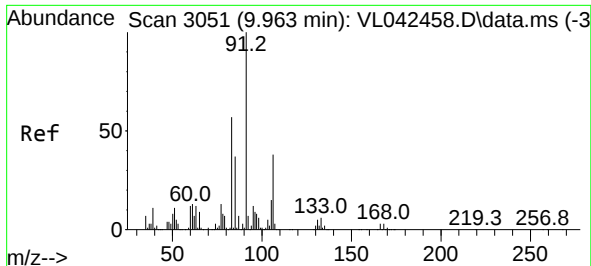
Tgt Ion:104 Resp: 2320
Ion Ratio Lower Upper
104 100
78 75.6 46.9 70.3#
103 66.4 36.6 55.0#



#62
Isopropylbenzene
Concen: 0.374 ppbv
RT: 10.548 min Scan# 3232
Delta R.T. 0.010 min
Lab File: VL042513.D
Acq: 07 May 2025 12:09

Tgt Ion:105 Resp: 12919
Ion Ratio Lower Upper
105 100
120 24.5 18.8 28.2

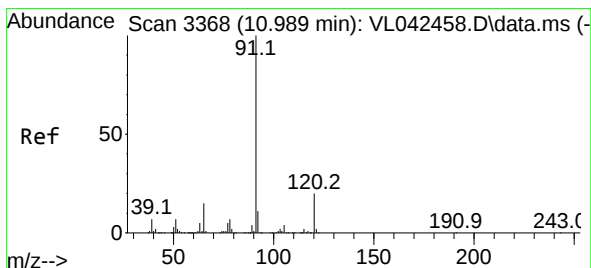
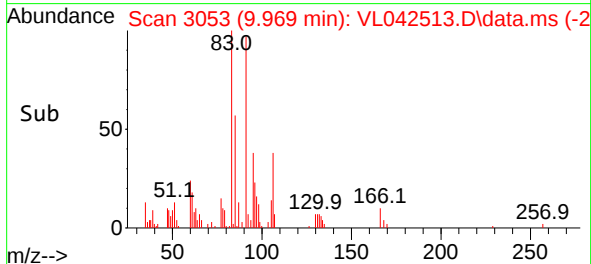
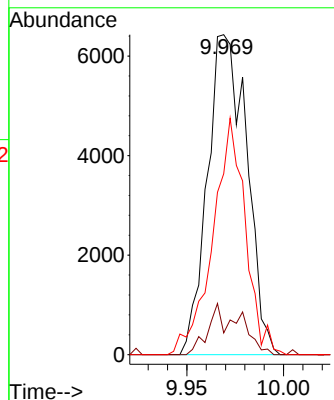
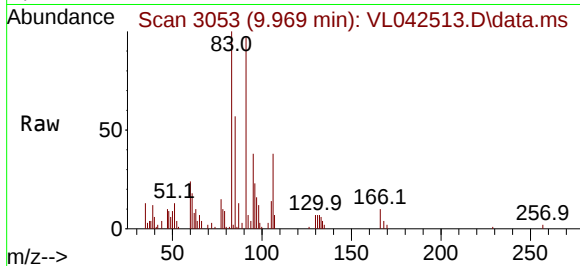




#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.550 ppbv
 RT: 9.969 min Scan# 3053
 Delta R.T. 0.007 min
 Lab File: VL042513.D
 Acq: 07 May 2025 12:09

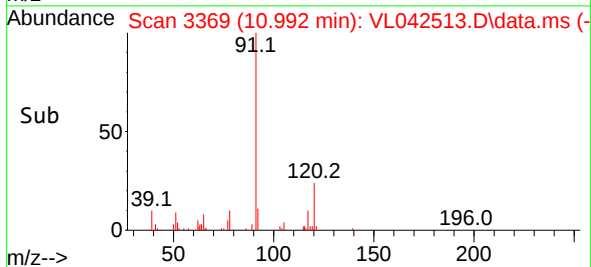
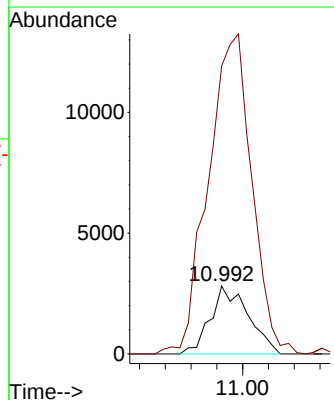
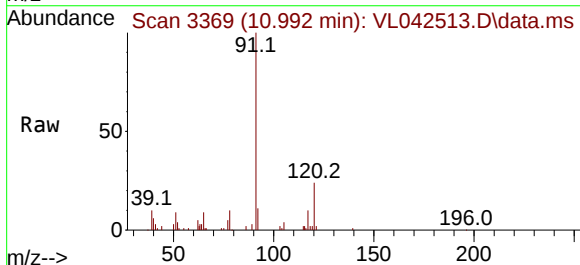
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL2 0.45

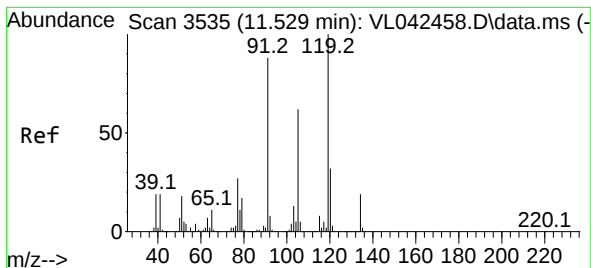
Tgt Ion:	83	Resp:	9078
Ion	Ratio	Lower	Upper
83	100		
131	12.9	4.7	14.1
85	61.4	32.5	97.4



#64
 n-propylbenzene
 Concen: 0.340 ppbv
 RT: 10.992 min Scan# 3369
 Delta R.T. 0.003 min
 Lab File: VL042513.D
 Acq: 07 May 2025 12:09

Tgt Ion:	120	Resp:	2868
Ion	Ratio	Lower	Upper
120	100		
91	543.4	408.6	612.8





#65

tert-Butylbenzene

Concen: 0.330 ppbv

RT: 11.536 min Scan# 3537

Delta R.T. 0.007 min

Lab File: VL042513.D

Acq: 07 May 2025 12:09

Instrument :

MSVOA_L

ClientSampleId :

MDL2 0.45

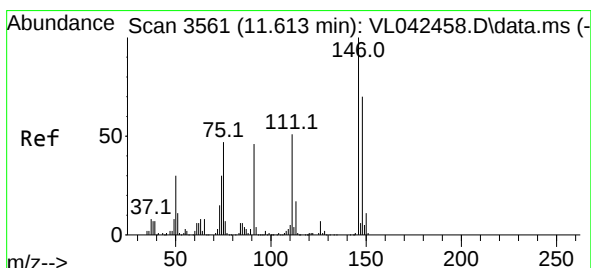
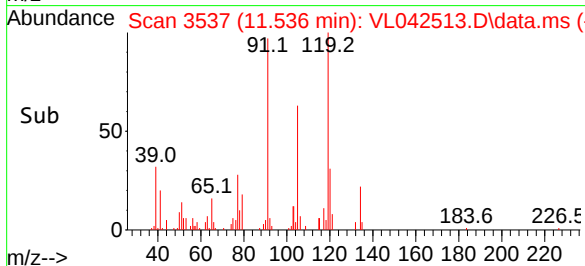
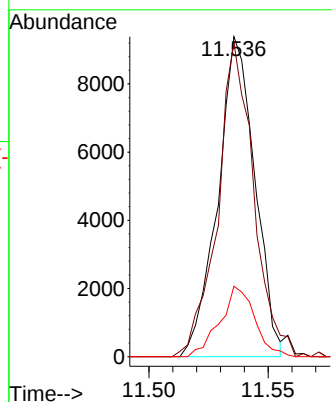
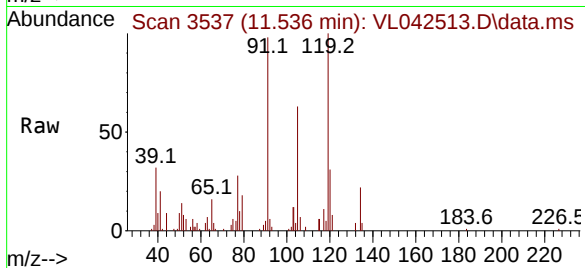
Tgt Ion:119 Resp: 10170

Ion Ratio Lower Upper

119 100

91 95.5 71.6 107.4

134 20.6 15.0 22.4



#66

Benzyl Chloride

Concen: 0.438 ppbv

RT: 11.620 min Scan# 3563

Delta R.T. 0.007 min

Lab File: VL042513.D

Acq: 07 May 2025 12:09

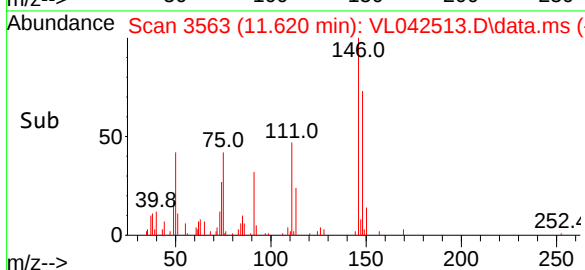
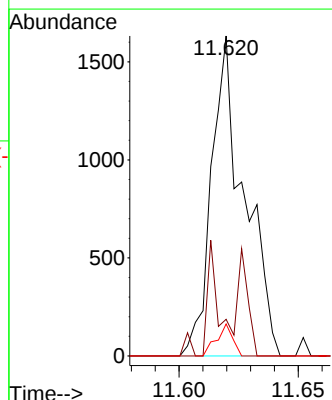
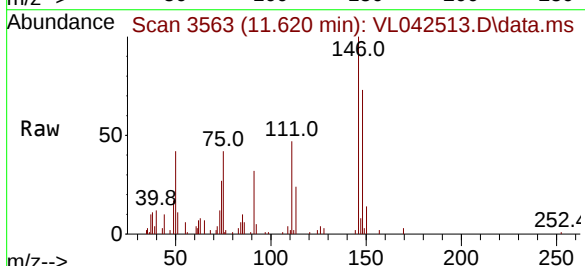
Tgt Ion: 91 Resp: 1560

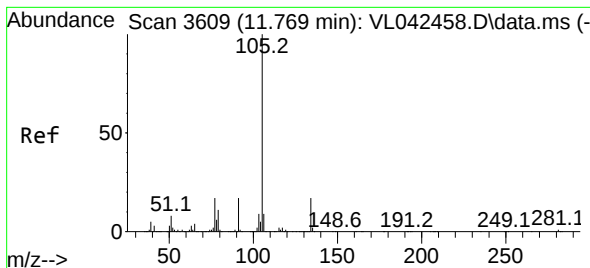
Ion Ratio Lower Upper

91 100

126 24.2 13.3 19.9#

128 4.9 4.2 6.4





#67

sec-Butylbenzene

Concen: 0.345 ppbv

RT: 11.775 min Scan# 3611

Delta R.T. 0.007 min

Lab File: VL042513.D

Acq: 07 May 2025 12:09

Instrument :

MSVOA_L

ClientSampleId :

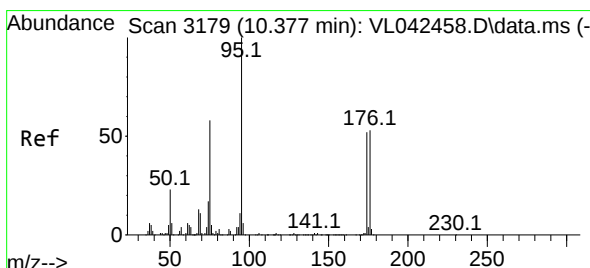
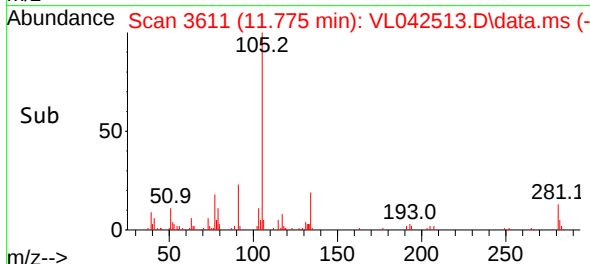
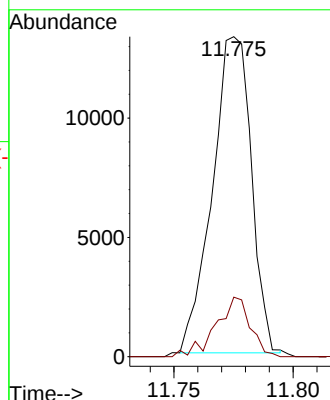
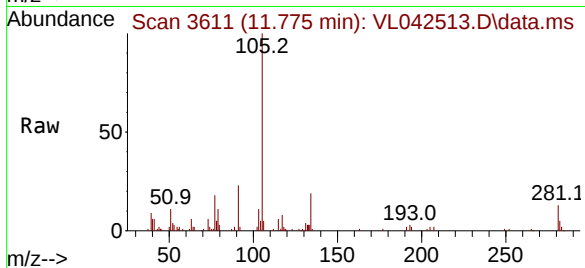
MDL2 0.45

Tgt Ion:105 Resp: 15097

Ion Ratio Lower Upper

105 100

134 16.5 14.1 21.1



#68

1-Bromo-4-Fluorobenzene

Concen: 9.617 ppbv

RT: 10.383 min Scan# 3181

Delta R.T. 0.007 min

Lab File: VL042513.D

Acq: 07 May 2025 12:09

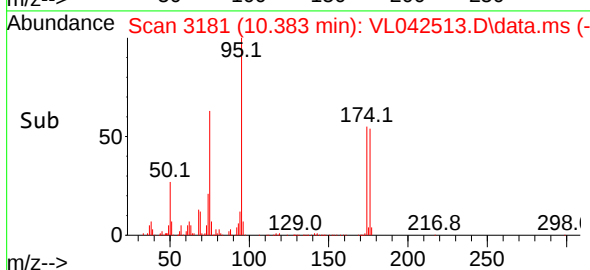
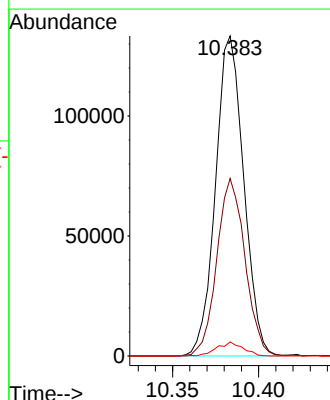
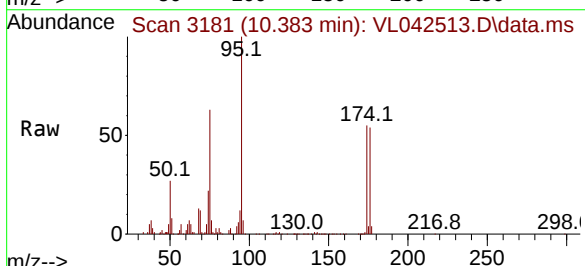
Tgt Ion: 95 Resp: 152135

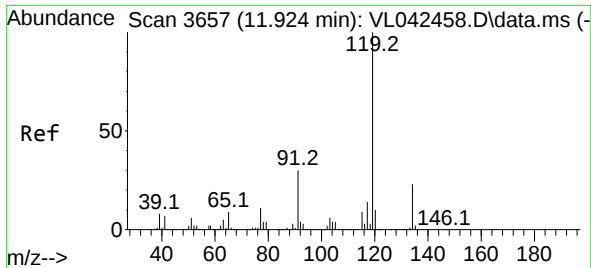
Ion Ratio Lower Upper

95 100

174 55.5 42.7 64.1

175 4.0 3.6 5.4

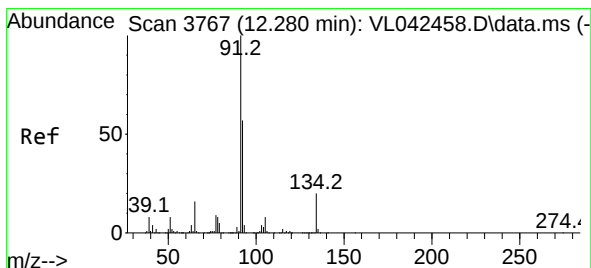
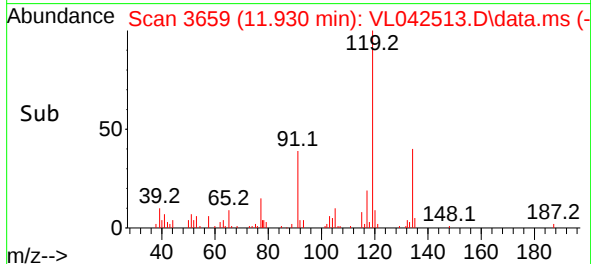
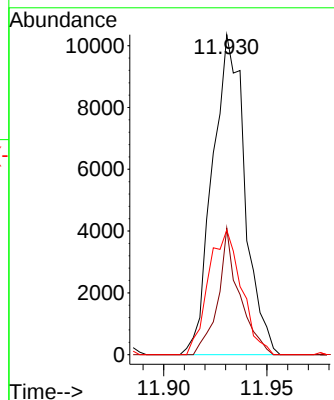
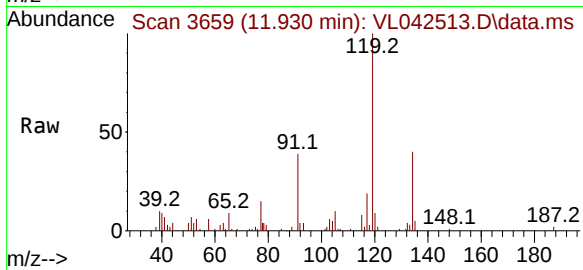




#69
 p-Isopropyltoluene
 Concen: 0.306 ppbv
 RT: 11.930 min Scan# 3659
 Delta R.T. 0.007 min
 Lab File: VL042513.D
 Acq: 07 May 2025 12:09

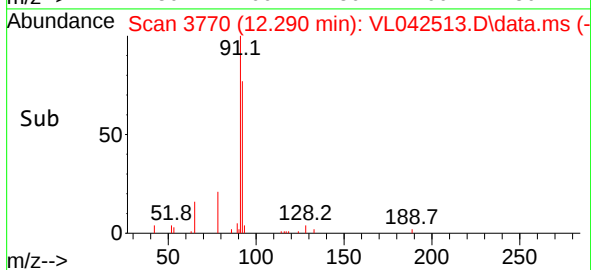
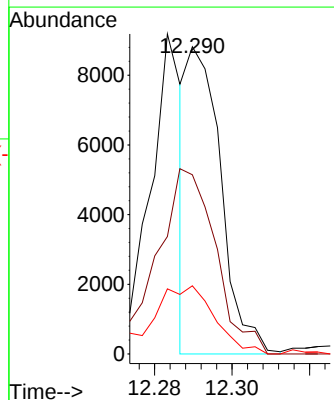
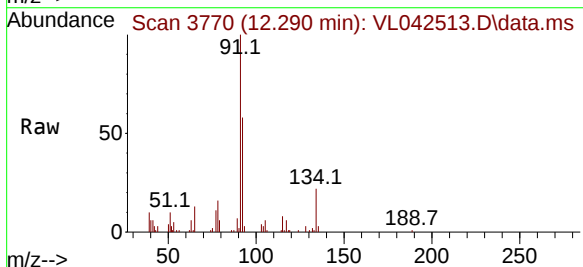
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL2 0.45

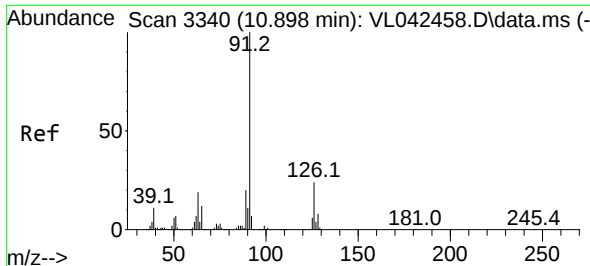
Tgt Ion: 119 Resp: 11304
 Ion Ratio Lower Upper
 119 100
 134 26.2 19.0 28.4
 91 39.7 25.5 38.3#



#70
 n-Butylbenzene
 Concen: 0.139 ppbv
 RT: 12.290 min Scan# 3770
 Delta R.T. 0.010 min
 Lab File: VL042513.D
 Acq: 07 May 2025 12:09

Tgt Ion: 91 Resp: 5310
 Ion Ratio Lower Upper
 91 100
 92 105.0 44.0 66.0#
 134 42.3 16.8 25.2#

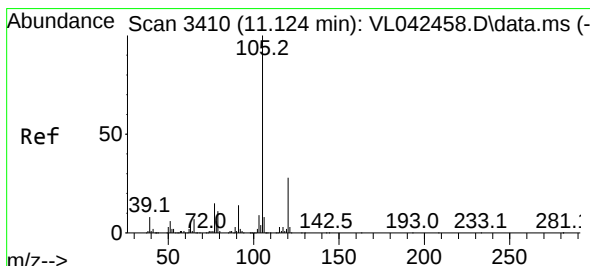
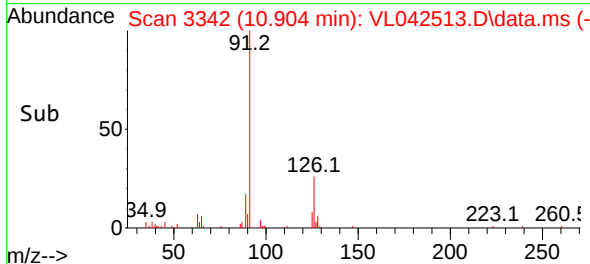
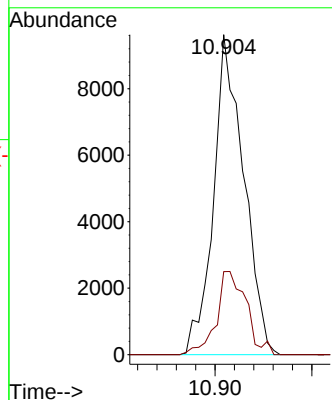
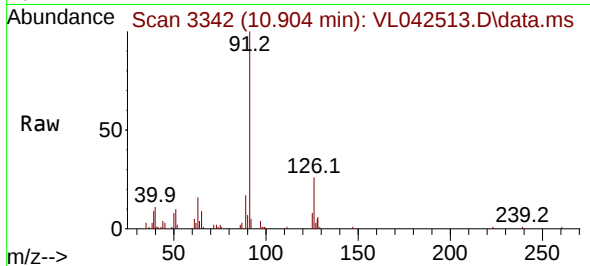




#71
2-Chlorotoluene
Concen: 0.385 ppbv
RT: 10.904 min Scan# 31
Delta R.T. 0.007 min
Lab File: VL042513.D
Acq: 07 May 2025 12:09

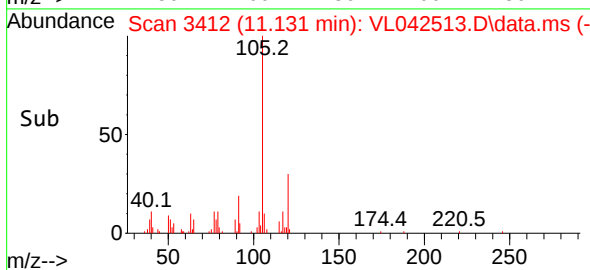
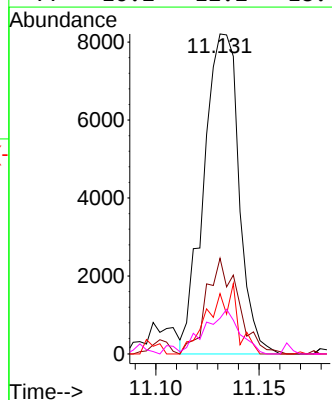
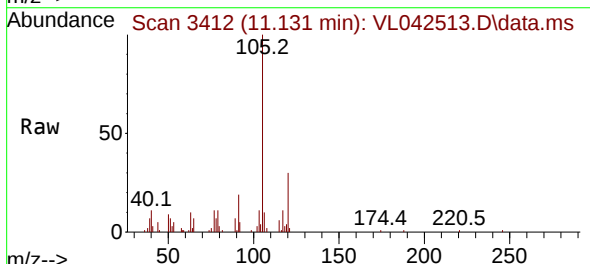
Instrument :
MSVOA_L
ClientSampleId :
MDL2 0.45

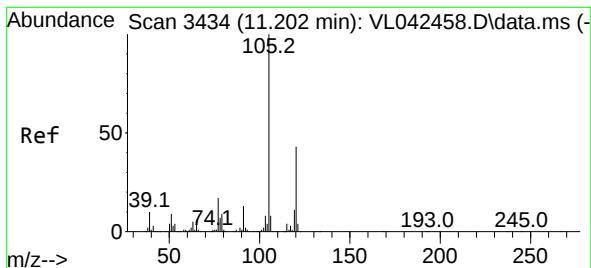
Tgt Ion: 91 Resp: 10430
Ion Ratio Lower Upper
91 100
126 25.7 10.6 42.2



#72
4-Ethyltoluene
Concen: 0.345 ppbv
RT: 11.131 min Scan# 3412
Delta R.T. 0.007 min
Lab File: VL042513.D
Acq: 07 May 2025 12:09

Tgt Ion: 105 Resp: 9734
Ion Ratio Lower Upper
105 100
120 29.3 22.0 33.0
91 19.2 11.2 16.8#
77 16.2 12.2 18.4





#73

1,3,5-Trimethylbenzene

Concen: 0.345 ppbv

RT: 11.215 min Scan# 3434

Delta R.T. 0.013 min

Lab File: VL042513.D

Acq: 07 May 2025 12:09

Instrument :

MSVOA_L

ClientSampleId :

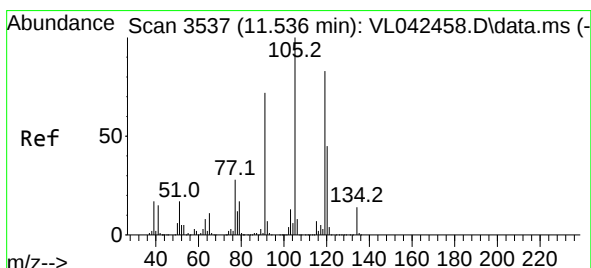
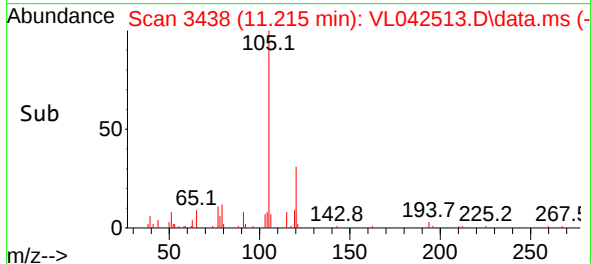
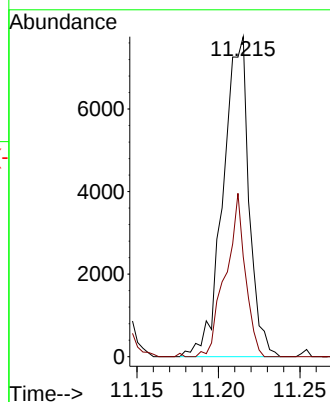
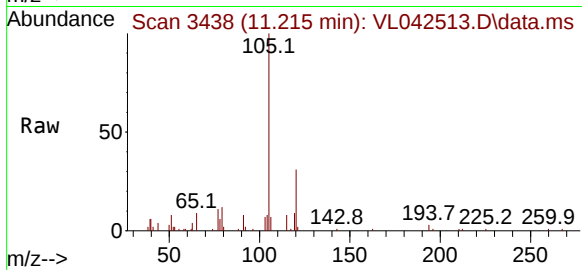
MDL2 0.45

Tgt Ion:105 Resp: 8555

Ion Ratio Lower Upper

105 100

120 31.2 34.4 51.6#



#74

1,2,4-Trimethylbenzene

Concen: 0.336 ppbv

RT: 11.542 min Scan# 3539

Delta R.T. 0.007 min

Lab File: VL042513.D

Acq: 07 May 2025 12:09

Tgt Ion:105 Resp: 10098

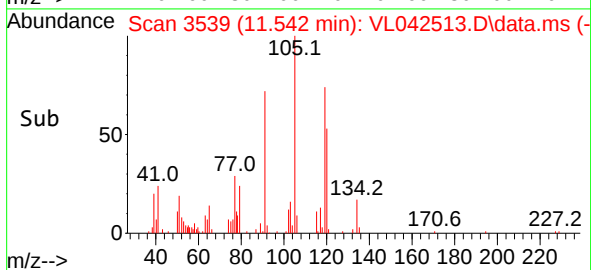
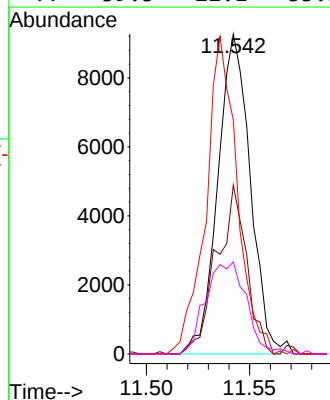
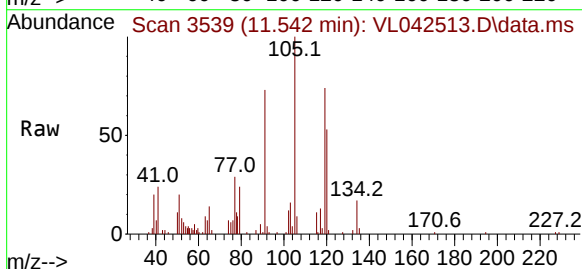
Ion Ratio Lower Upper

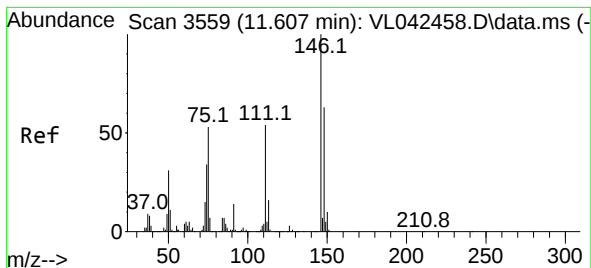
105 100

120 54.5 36.1 54.1#

91 72.2 57.6 86.4

77 39.3 22.1 33.1#





#75

1,3-Dichlorobenzene

Concen: 0.466 ppbv

RT: 11.613 min Scan# 3561

Delta R.T. 0.007 min

Lab File: VL042513.D

Acq: 07 May 2025 12:09

Instrument :

MSVOA_1

ClientSampleId :

MDL2 0.45

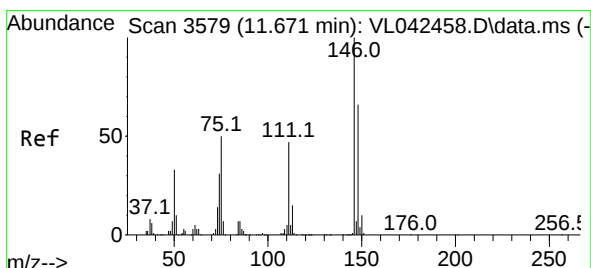
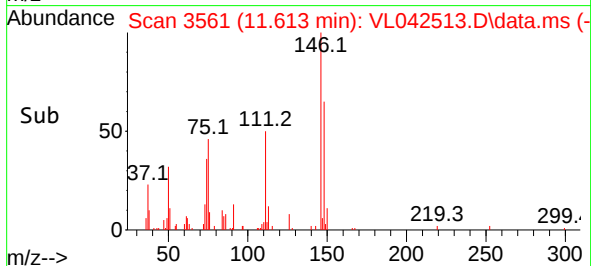
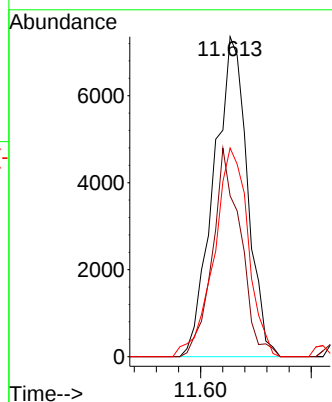
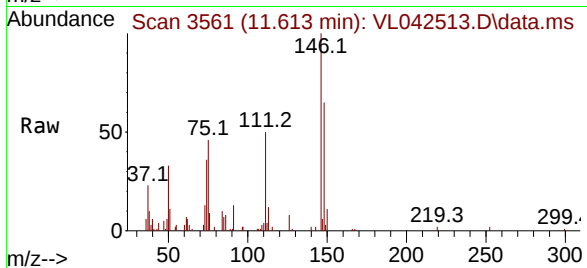
Tgt Ion:146 Resp: 7790

Ion Ratio Lower Upper

146 100

111 54.4 26.1 78.3

148 65.8 32.0 96.0



#76

1,4-Dichlorobenzene

Concen: 0.444 ppbv

RT: 11.678 min Scan# 3581

Delta R.T. 0.007 min

Lab File: VL042513.D

Acq: 07 May 2025 12:09

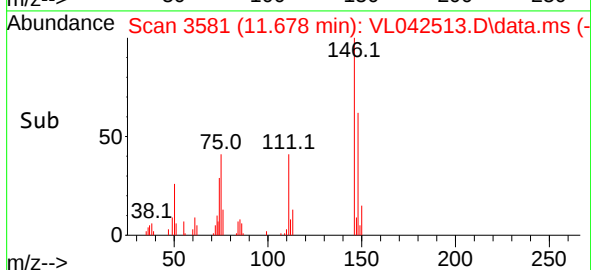
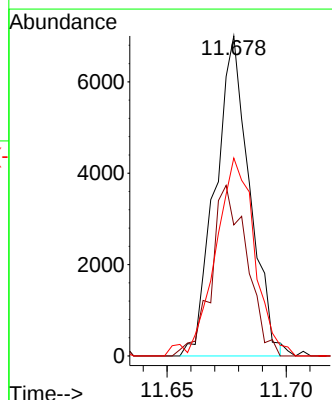
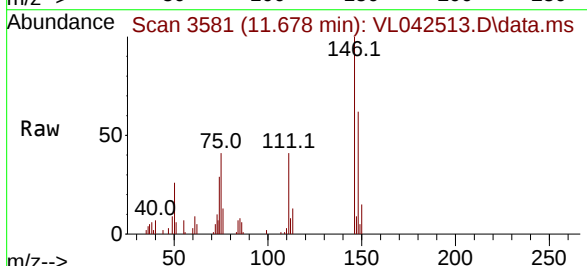
Tgt Ion:146 Resp: 7027

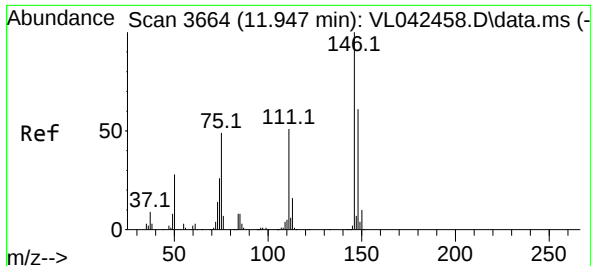
Ion Ratio Lower Upper

146 100

111 55.1 24.4 73.2

148 70.4 32.0 96.2

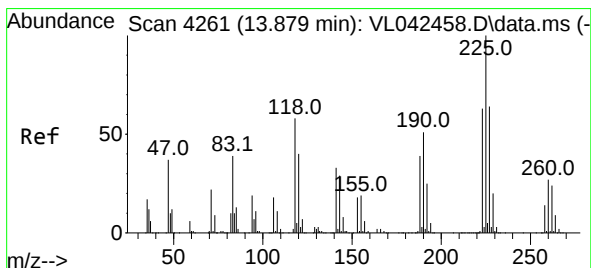
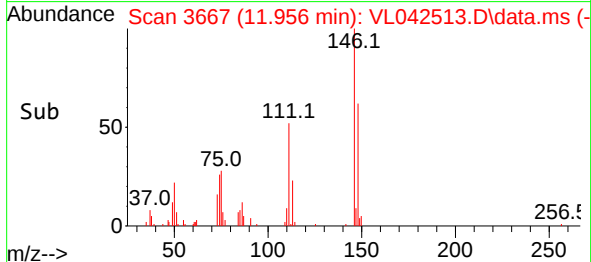
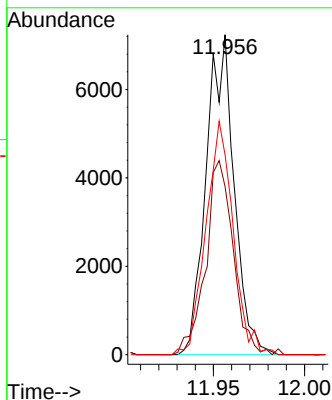
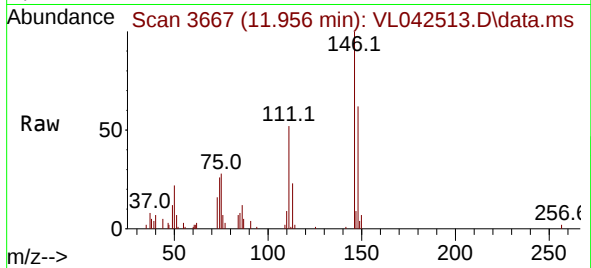




#77
1,2-Dichlorobenzene
Concen: 0.472 ppbv
RT: 11.956 min Scan# 3667
Delta R.T. 0.010 min
Lab File: VL042513.D
Acq: 07 May 2025 12:09

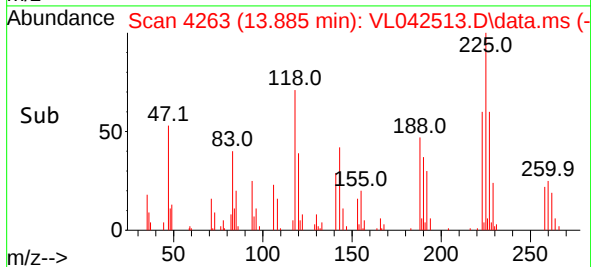
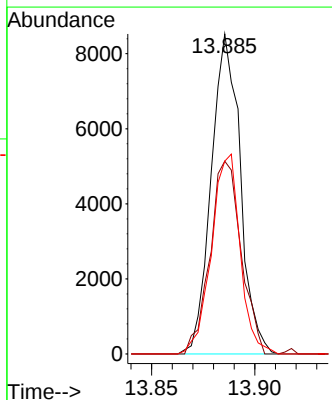
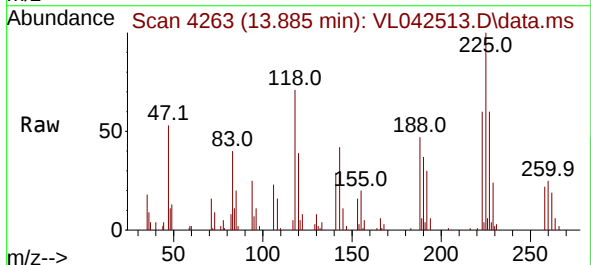
Instrument :
MSVOA_L
ClientSampleId :
MDL2 0.45

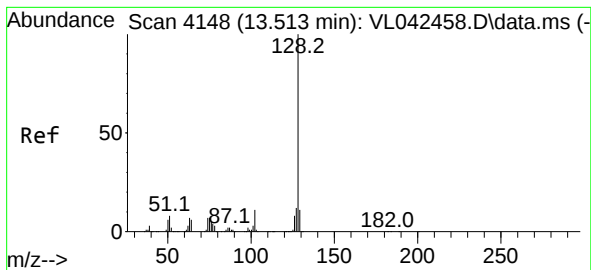
Tgt Ion:	146	Resp:	7716
Ion	Ratio	Lower	Upper
146	100		
111	59.9	26.5	79.5
148	71.4	31.5	94.5



#78
Hexachloro-1,3-Butadiene
Concen: 0.509 ppbv
RT: 13.885 min Scan# 4263
Delta R.T. 0.007 min
Lab File: VL042513.D
Acq: 07 May 2025 12:09

Tgt Ion:	225	Resp:	8321
Ion	Ratio	Lower	Upper
225	100		
223	65.2	50.2	75.4
227	61.8	51.2	76.8





#79

Naphthalene

Concen: 0.260 ppbv

RT: 13.520 min Scan# 4148

Delta R.T. 0.007 min

Lab File: VL042513.D

Acq: 07 May 2025 12:09

Instrument :

MSVOA_L

ClientSampleId :

MDL2 0.45

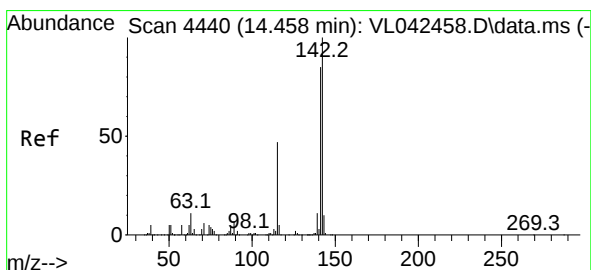
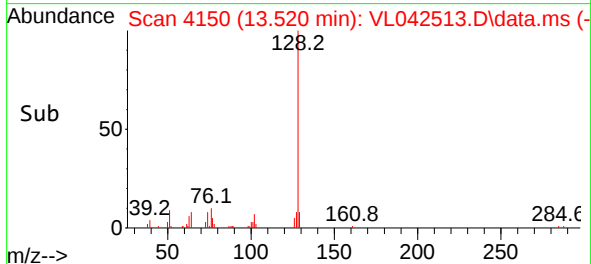
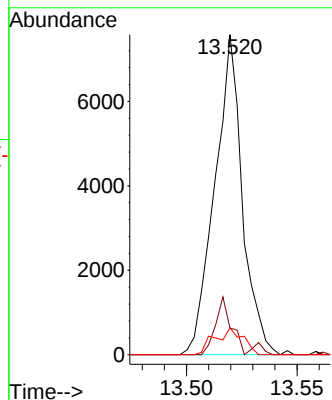
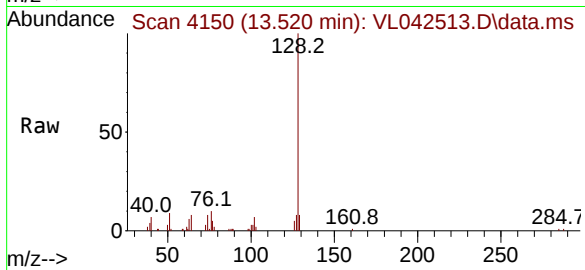
Tgt Ion:128 Resp: 6566

Ion Ratio Lower Upper

128 100

127 8.3 9.7 14.5#

129 8.4 8.6 13.0#



#80

Naphthalene,2-methyl-

Concen: 0.089 ppbv

RT: 14.458 min Scan# 4440

Delta R.T. 0.000 min

Lab File: VL042513.D

Acq: 07 May 2025 12:09

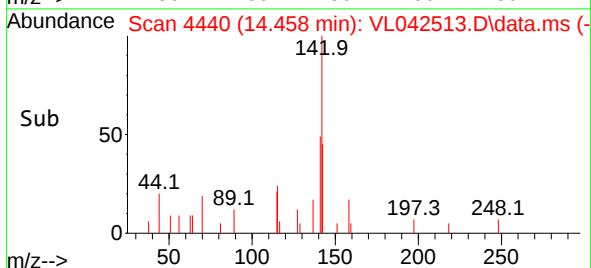
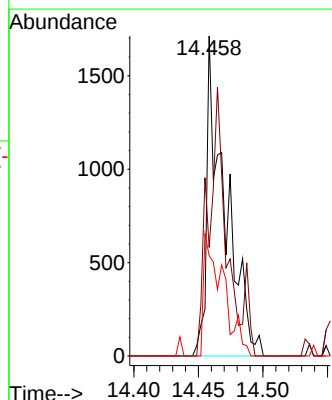
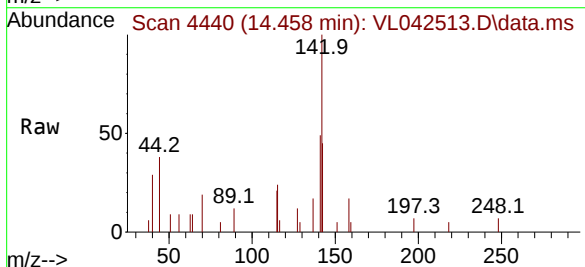
Tgt Ion:142 Resp: 1672

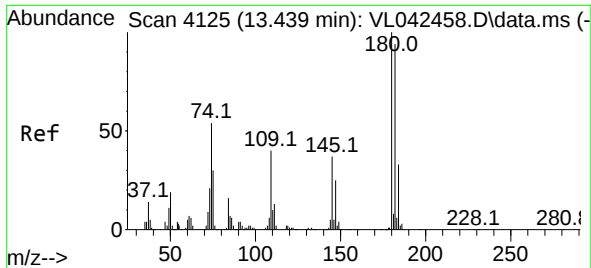
Ion Ratio Lower Upper

142 100

141 86.4 67.4 101.0

115 42.2 36.9 55.3





#81

1,2,4-Trichlorobenzene

Concen: 0.245 ppbv

RT: 13.445 min Scan# 41

Delta R.T. 0.007 min

Lab File: VL042513.D

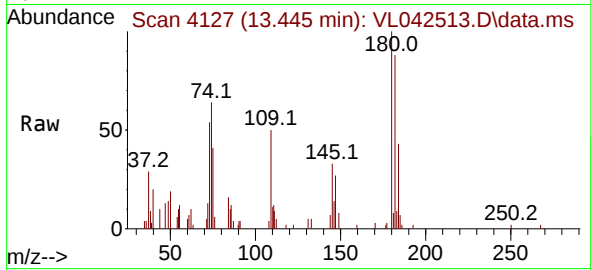
Acq: 07 May 2025 12:09

Instrument :

MSVOA_L

ClientSampleId :

MDL2 0.45



Tgt Ion:	180	Resp:	3304
Ion	Ratio	Lower	Upper
180	100		
182	113.4	74.6	111.8#
184	39.7	24.9	37.3#

