

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052125\
 Data File : VL042570.D
 Acq On : 21 May 2025 17:25
 Operator : SY/MD
 Sample : MDL 0.40
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL 0.40

Quant Time: May 21 23:08:50 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	103871	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.968	114	317280	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.895	117	267167	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.387	95	222860	10.423	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.200%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	8866	0.456	ppbv	91
3) Chlorodifluoromethane	1.479	51	7251	0.453	ppbv	95
4) Chloromethane	1.534	50	3162	0.505	ppbv	97
5) Vinyl Chloride	1.583	62	3071	0.445	ppbv #	85
6) Bromomethane	1.670	94	1969	0.496	ppbv	100
7) Chloroethane	1.709	64	1367	0.493	ppbv	97
8) Dichlorotetrafluoroethane	1.557	85	7431	0.452	ppbv	100
9) Propene	1.894	41	620	0.111	ppbv	97
10) Heptane	4.991	43	2227	0.152	ppbv #	24
11) Trichlorofluoromethane	1.881	101	8998	0.444	ppbv	91
12) 1,1,2-Trichlorotrifluo...	2.143	101	7353	0.450	ppbv	99
13) Ethanol	1.725	45	582	0.722	ppbv #	37
14) Bromoethene	1.784	108	2823	0.457	ppbv #	89
15) Acetone	1.842	43	7580	0.524	ppbv #	89
16) 1,3-Butadiene	1.612	39	2880	0.490	ppbv	84
17) tert-Butyl alcohol	2.046	59	6386	0.382	ppbv	97
18) 1,1-Dichloroethene	2.039	96	3429	0.464	ppbv	92
19) Isopropyl Alcohol	1.891	45	3803	0.462	ppbv #	40
20) Methylene Chloride	2.065	84	3948	0.563	ppbv #	88
21) Allyl Chloride	2.101	41	3557	0.384	ppbv	91
22) trans-1,2-Dichloroethene	2.347	96	3874	0.473	ppbv	96
23) Vinyl Acetate	2.470	43	5551	0.337	ppbv #	86
24) 1,1-Dichloroethane	2.415	63	6219	0.442	ppbv	98
25) Ethyl Acetate	2.849	43	8978	0.321	ppbv	97
26) Hexane	2.832	57	2902	0.229	ppbv #	47
27) Carbon Disulfide	2.156	76	7707	0.421	ppbv #	41
28) Methyl tert-Butyl Ether	2.447	73	3529	0.414	ppbv	100
29) Chloroform	2.855	83	10748	0.449	ppbv	99
30) Cyclohexane	3.871	84	2212	0.202	ppbv #	84
31) cis-1,2-Dichloroethene	2.726	61	3984	0.286	ppbv	95
32) 1,1,1-Trichloroethane	3.379	97	9796	0.401	ppbv	98
34) 2-Butanone	2.570	43	6305	0.374	ppbv	93
35) Carbon Tetrachloride	3.774	117	11329	0.467	ppbv #	94
36) Benzene	3.667	78	8063	0.314	ppbv	96
37) 1,2-Dichloroethane	3.227	62	6790	0.433	ppbv	98
38) Trichloroethene	4.561	130	2338	0.200	ppbv #	72
39) 1,2-Dichloropropane	4.324	63	3771	0.418	ppbv	92
40) 1,4-Dioxane	4.616	88	361	0.090	ppbv #	26
41) Tetrahydrofuran	3.072	42	1146	0.140	ppbv #	50
42) Bromodichloromethane	4.499	83	10218	0.462	ppbv #	86
43) Methyl Methacrylate	4.894	69	1171	0.134	ppbv #	13
44) 2,2,4-Trimethylpentane	4.655	57	10899	0.277	ppbv #	80
45) t-1,3-Dichloropropene	6.432	75	2473	0.223	ppbv	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052125\
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 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL 0.40

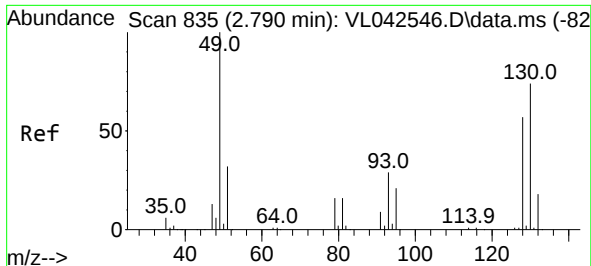
Quant Time: May 21 23:08:50 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052025AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed May 21 00:21:29 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.616	75	925	0.068	ppbv #	56
47) 1,1,2-Trichloroethane	6.597	97	2964	0.275	ppbv #	78
48) Dibromochloromethane	7.399	129	7989	0.428	ppbv	97
49) Bromoform	9.497	173	6105	0.383	ppbv	96
50) 4-Methyl-2-Pentanone	5.774	43	1335	0.066	ppbv #	37
51) 2-Hexanone	7.464	43	2448	0.164	ppbv #	91
52) Tetrachloroethene	8.238	164	3360	0.336	ppbv #	79
53) Toluene	6.946	91	6406	0.233	ppbv	98
54) 1,2-Dibromoethane	7.668	107	3634	0.231	ppbv	85
56) 1,1,1,2-Tetrachloroethane	8.937	131	7163	0.503	ppbv #	1
57) Chlorobenzene	8.930	112	10782	0.453	ppbv	93
58) Ethyl Benzene	9.364	91	7923	0.227	ppbv #	88
59) m/p-Xylene	9.565	91	4866	0.163	ppbv #	30
60) o-Xylene	9.969	91	6066	0.205	ppbv	94
61) Styrene	9.882	104	2361	0.208	ppbv	98
62) Isopropylbenzene	10.549	105	12162	0.269	ppbv	96
63) 1,1,2,2-Tetrachloroethane	9.972	83	9237	0.467	ppbv	99
64) n-propylbenzene	10.998	120	2532	0.225	ppbv	92
65) tert-Butylbenzene	11.536	119	8573	0.211	ppbv	98
66) Benzyl Chloride	11.626	91	1884	0.370	ppbv #	89
67) sec-Butylbenzene	11.775	105	13285	0.231	ppbv	97
69) p-Isopropyltoluene	11.934	119	10116	0.213	ppbv	98
70) n-Butylbenzene	12.290	91	8971	0.200	ppbv	98
71) 2-Chlorotoluene	10.908	91	7715	0.237	ppbv	98
72) 4-Ethyltoluene	11.134	105	7070	0.194	ppbv #	92
73) 1,3,5-Trimethylbenzene	11.212	105	6524	0.206	ppbv	97
74) 1,2,4-Trimethylbenzene	11.545	105	7735	0.203	ppbv	93
75) 1,3-Dichlorobenzene	11.613	146	7891	0.336	ppbv	97
76) 1,4-Dichlorobenzene	11.681	146	7115	0.312	ppbv	97
77) 1,2-Dichlorobenzene	11.956	146	8507	0.367	ppbv	98
78) Hexachloro-1,3-Butadiene	13.889	225	8485	0.443	ppbv	97
79) Naphthalene	13.523	128	4300	0.151	ppbv #	93
80) Naphthalene,2-methyl-	14.471	142	1067	0.073	ppbv #	84
81) 1,2,4-Trichlorobenzene	13.445	180	3149	0.184	ppbv	99

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

Quant Time: May 21 23:08:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052025AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed May 21 00:21:29 2025
Response via : Initial Calibration

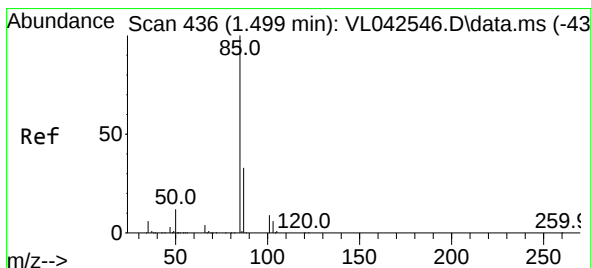
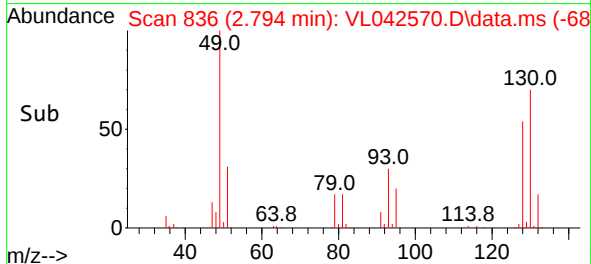
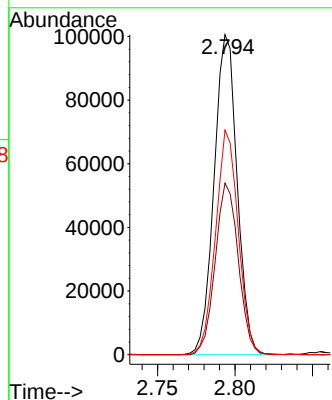
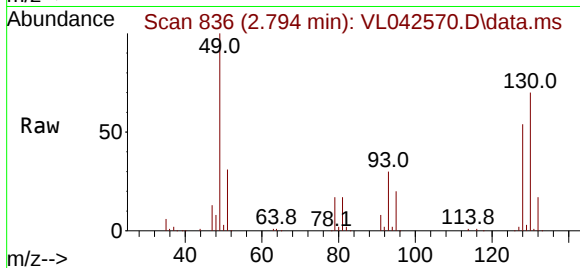




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.794 min Scan# 835
Delta R.T. 0.004 min
Lab File: VL042570.D
Acq: 21 May 2025 17:25

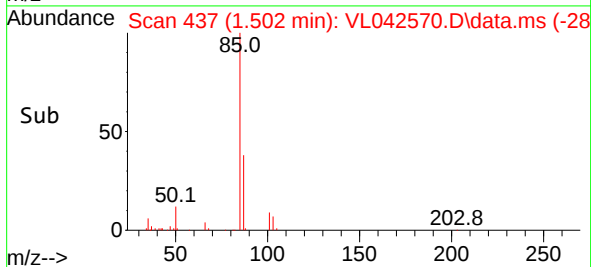
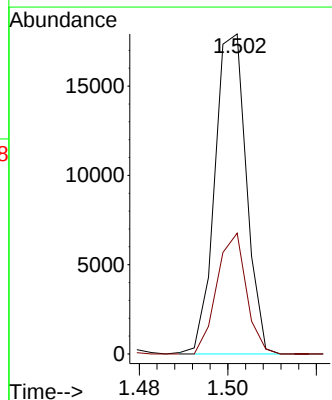
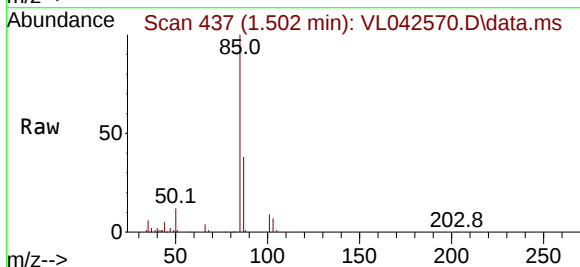
Instrument :
MSVOA_L
ClientSampleId :
MDL 0.40

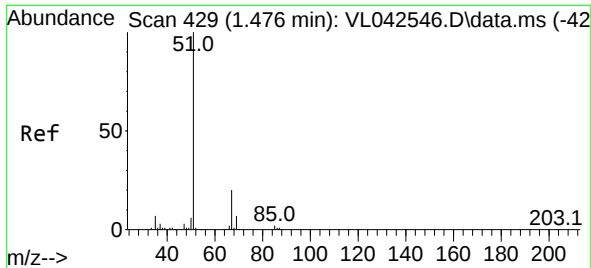
Tgt Ion: 49 Resp: 103871
Ion Ratio Lower Upper
49 100
128 53.7 28.6 85.8
130 69.2 36.6 109.8



#2
Dichlorodifluoromethane
Concen: 0.456 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.003 min
Lab File: VL042570.D
Acq: 21 May 2025 17:25

Tgt Ion: 85 Resp: 8866
Ion Ratio Lower Upper
85 100
87 37.7 26.2 39.4

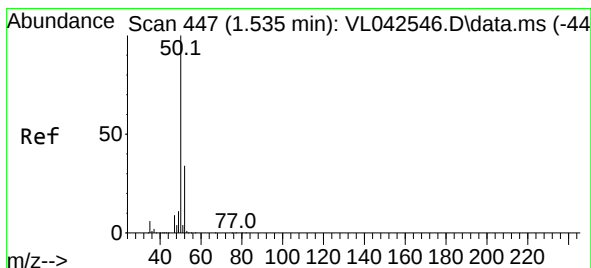
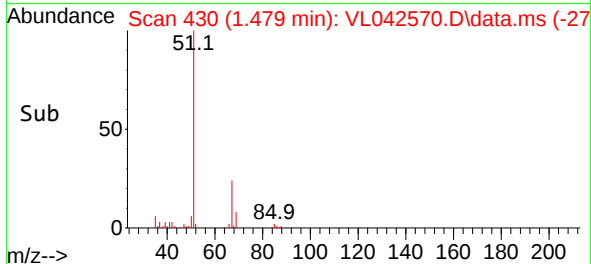
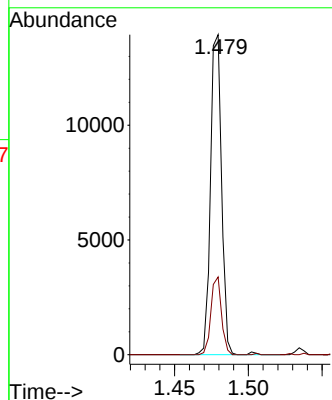
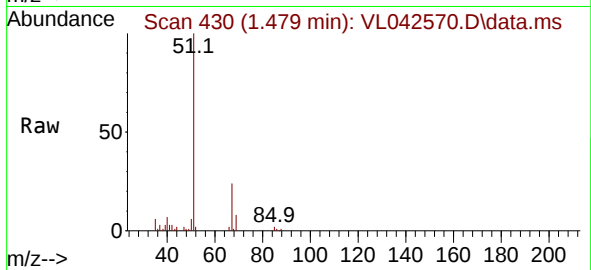




#3
Chlorodifluoromethane
Concen: 0.453 ppbv
RT: 1.479 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL042570.D
Acq: 21 May 2025 17:25

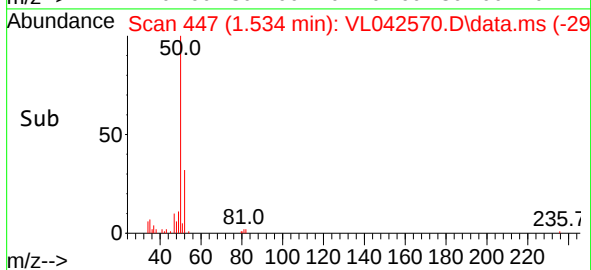
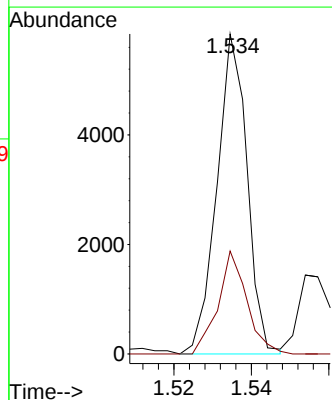
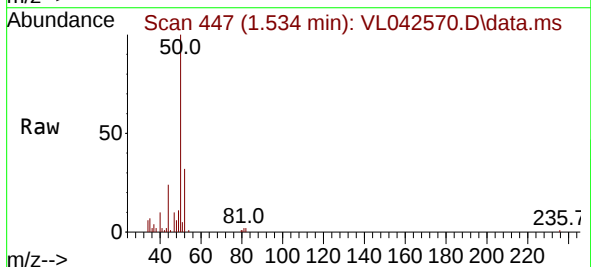
Instrument :
MSVOA_L
ClientSampleId :
MDL 0.40

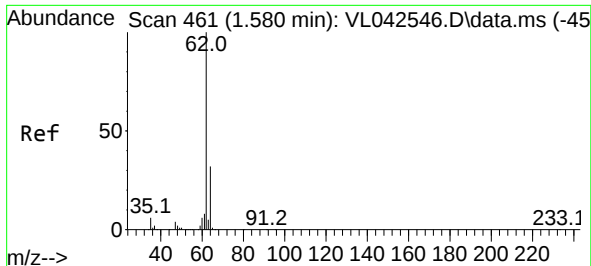
Tgt Ion: 51 Resp: 7251
Ion Ratio Lower Upper
51 100
67 23.1 16.6 25.0



#4
Chloromethane
Concen: 0.505 ppbv
RT: 1.534 min Scan# 447
Delta R.T. -0.000 min
Lab File: VL042570.D
Acq: 21 May 2025 17:25

Tgt Ion: 50 Resp: 3162
Ion Ratio Lower Upper
50 100
52 32.2 26.9 40.3

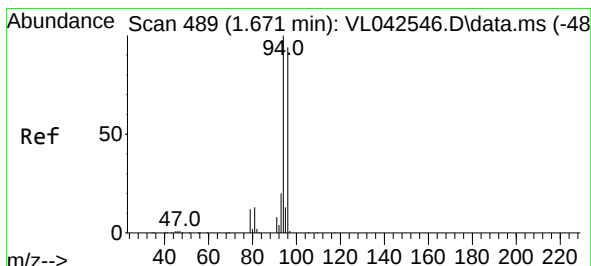
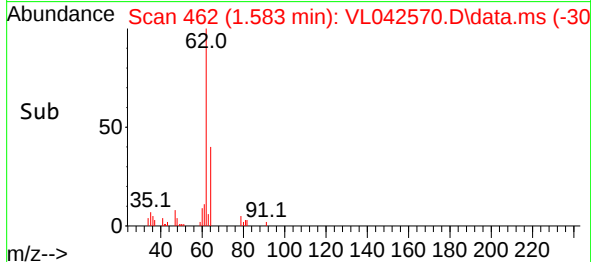
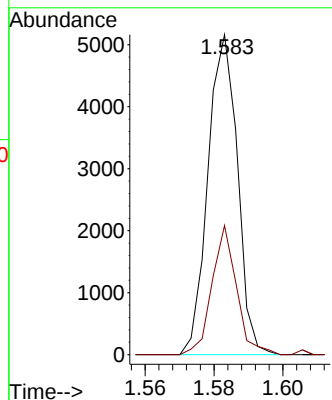
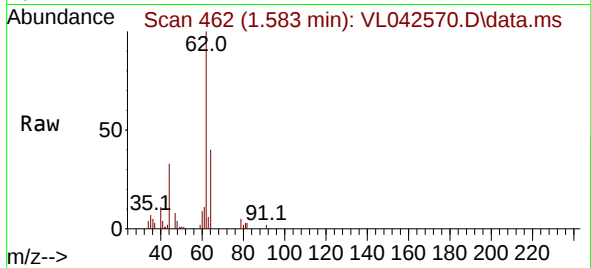




#5
 Vinyl Chloride
 Concen: 0.445 ppbv
 RT: 1.583 min Scan# 461
 Delta R.T. 0.003 min
 Lab File: VL042570.D
 Acq: 21 May 2025 17:25

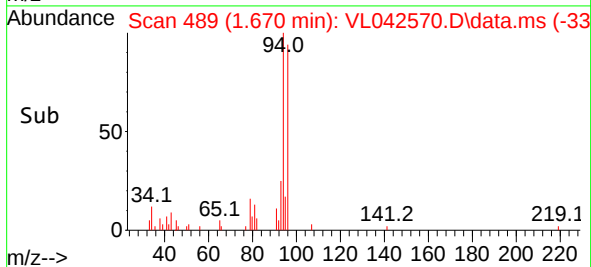
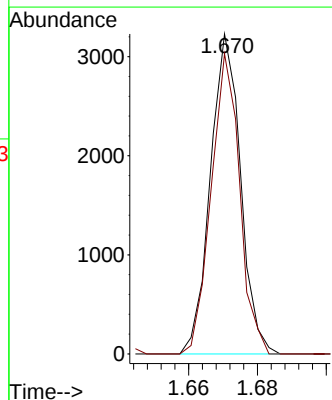
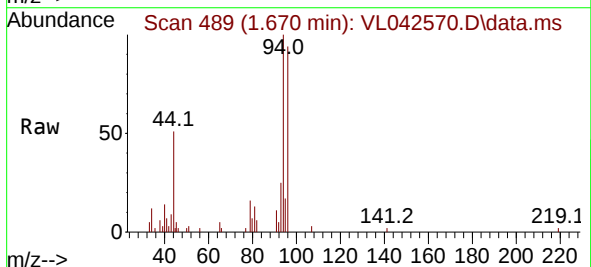
Instrument :
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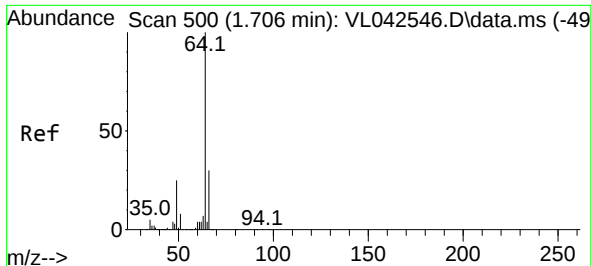
Tgt Ion: 62 Resp: 3071
 Ion Ratio Lower Upper
 62 100
 64 40.4 25.7 38.5#



#6
 Bromomethane
 Concen: 0.496 ppbv
 RT: 1.670 min Scan# 489
 Delta R.T. -0.000 min
 Lab File: VL042570.D
 Acq: 21 May 2025 17:25

Tgt Ion: 94 Resp: 1969
 Ion Ratio Lower Upper
 94 100
 96 93.8 74.9 112.3

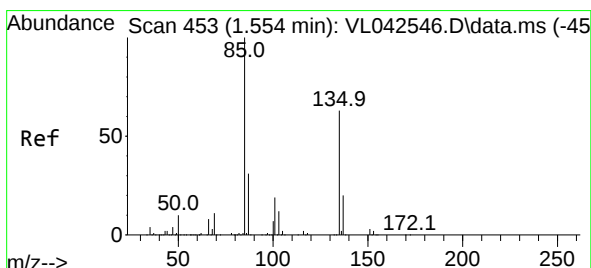
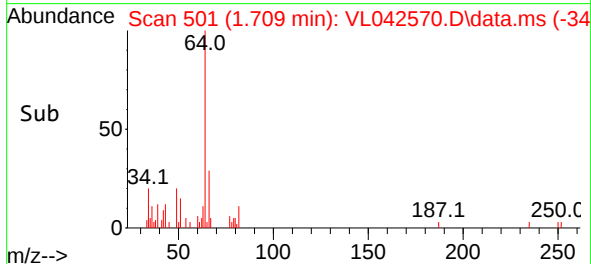
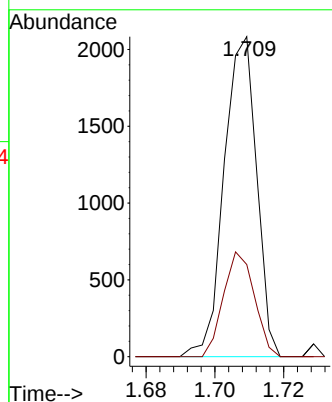
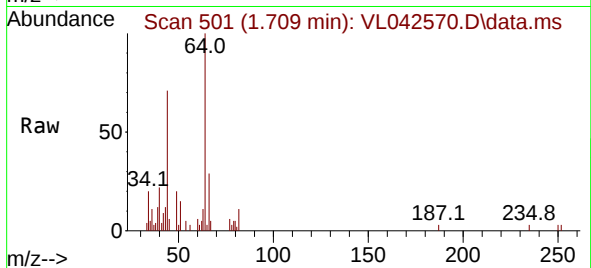




#7
Chloroethane
Concen: 0.493 ppbv
RT: 1.709 min Scan# 500
Delta R.T. 0.003 min
Lab File: VL042570.D
Acq: 21 May 2025 17:25

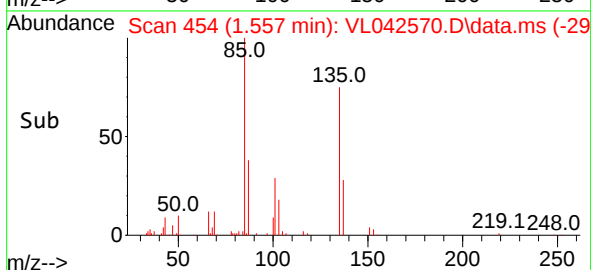
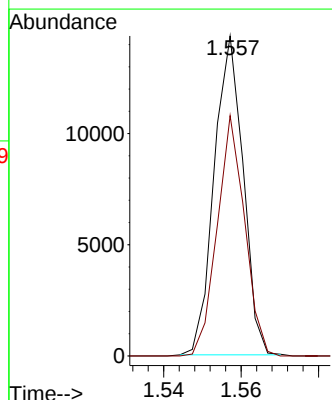
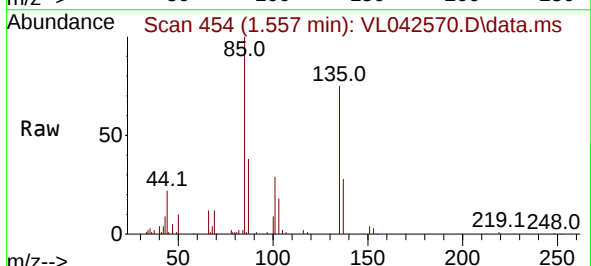
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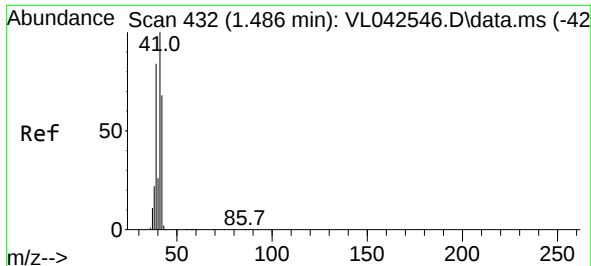
Tgt Ion: 64 Resp: 1367
Ion Ratio Lower Upper
64 100
66 28.8 24.4 36.6



#8
Dichlorotetrafluoroethane
Concen: 0.452 ppbv
RT: 1.557 min Scan# 454
Delta R.T. 0.003 min
Lab File: VL042570.D
Acq: 21 May 2025 17:25

Tgt Ion: 85 Resp: 7431
Ion Ratio Lower Upper
85 100
135 71.8 57.2 85.8

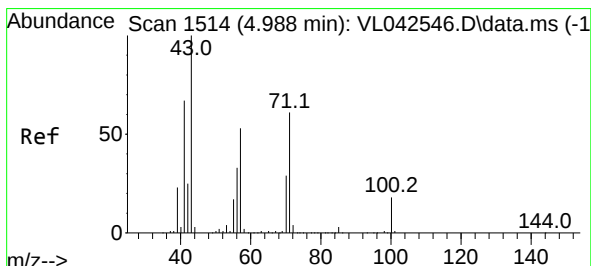
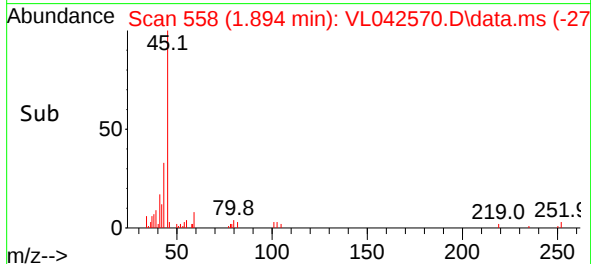
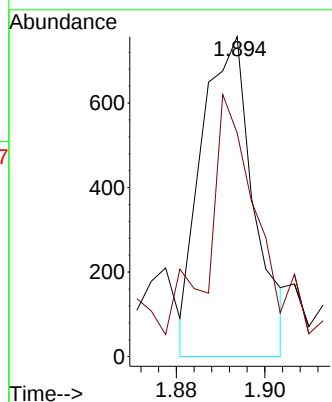
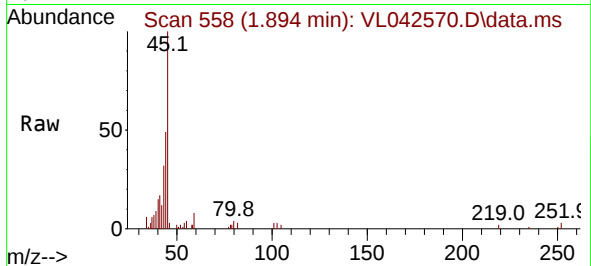




#9
 Propene
 Concen: 0.111 ppbv
 RT: 1.894 min Scan# 51
 Delta R.T. 0.408 min
 Lab File: VL042570.D
 Acq: 21 May 2025 17:25

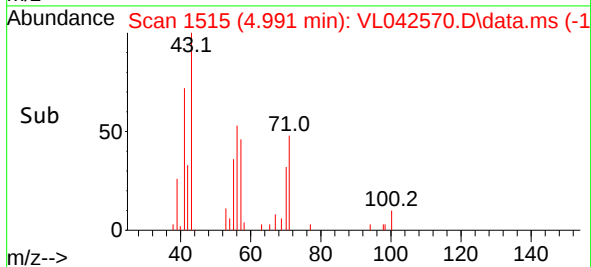
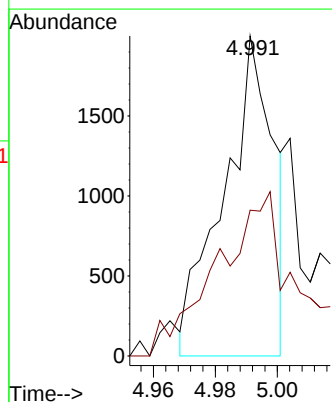
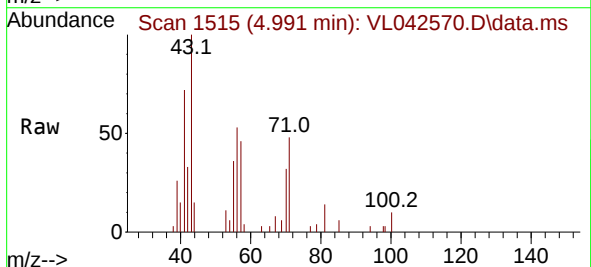
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL 0.40

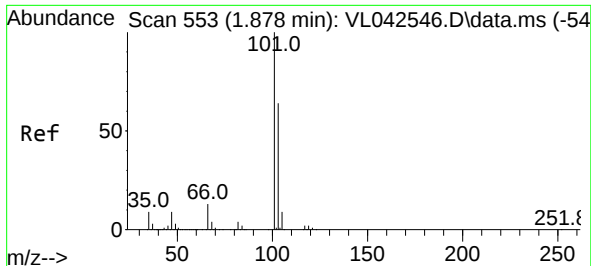
Tgt Ion: 41 Resp: 620
 Ion Ratio Lower Upper
 41 100
 42 71.5 55.0 82.4



#10
 Heptane
 Concen: 0.152 ppbv
 RT: 4.991 min Scan# 1515
 Delta R.T. 0.003 min
 Lab File: VL042570.D
 Acq: 21 May 2025 17:25

Tgt Ion: 43 Resp: 2227
 Ion Ratio Lower Upper
 43 100
 57 0.0 43.4 65.0#

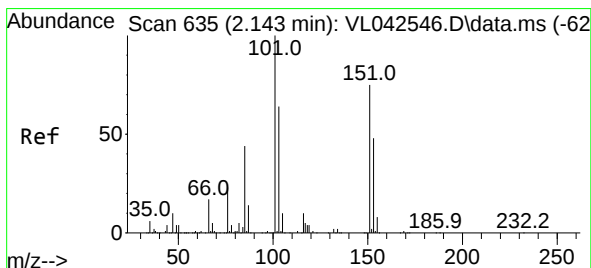
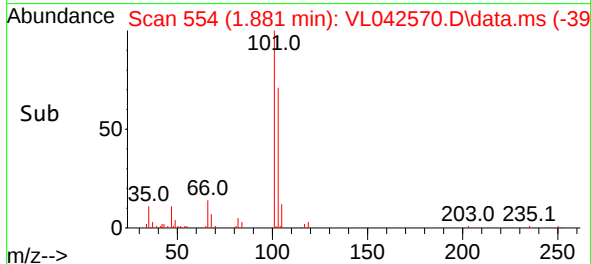
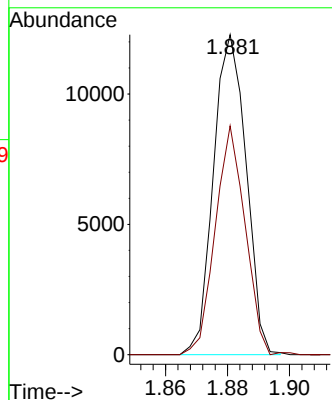
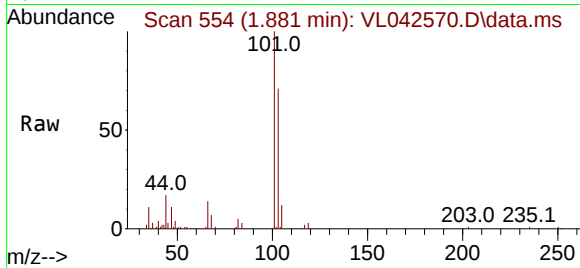




#11
 Trichlorofluoromethane
 Concen: 0.444 ppbv
 RT: 1.881 min Scan# 511
 Delta R.T. 0.003 min
 Lab File: VL042570.D
 Acq: 21 May 2025 17:25

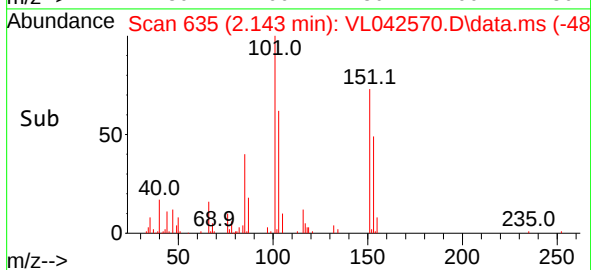
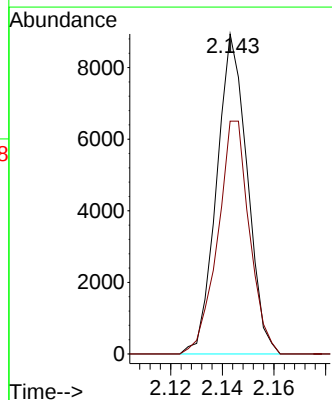
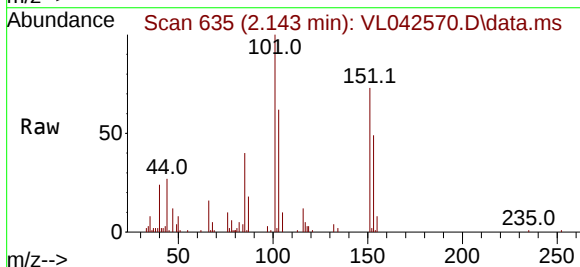
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL 0.40

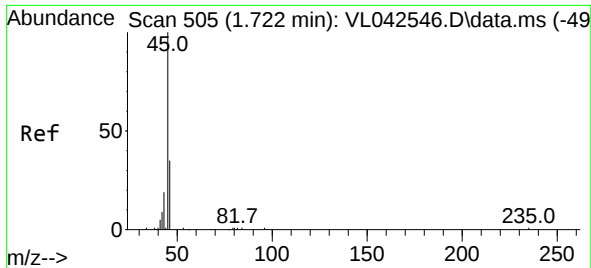
Tgt Ion:101 Resp: 8998
 Ion Ratio Lower Upper
 101 100
 103 71.5 51.5 77.3



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.450 ppbv
 RT: 2.143 min Scan# 635
 Delta R.T. -0.000 min
 Lab File: VL042570.D
 Acq: 21 May 2025 17:25

Tgt Ion:101 Resp: 7353
 Ion Ratio Lower Upper
 101 100
 151 75.6 59.5 89.3

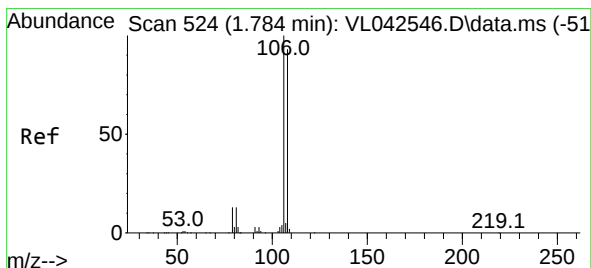
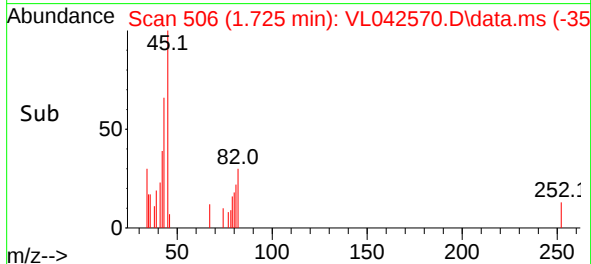
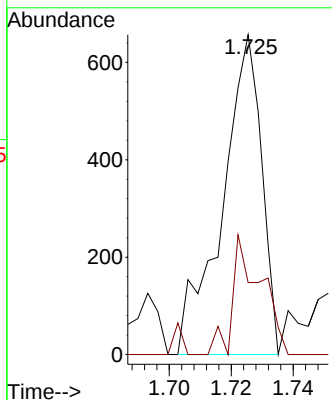
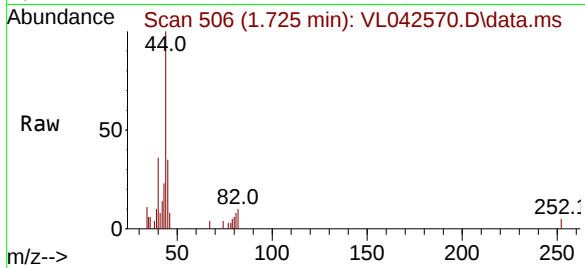




#13
Ethanol
Concen: 0.722 ppbv
RT: 1.725 min Scan# 505
Delta R.T. 0.003 min
Lab File: VL042570.D
Acq: 21 May 2025 17:25

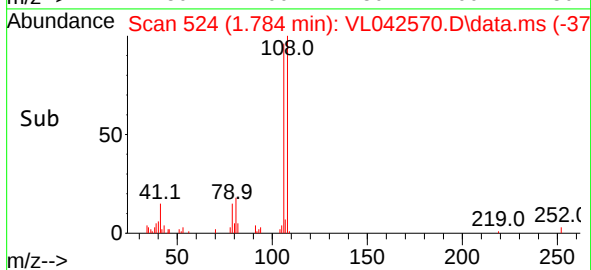
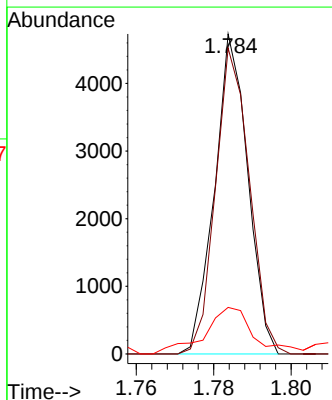
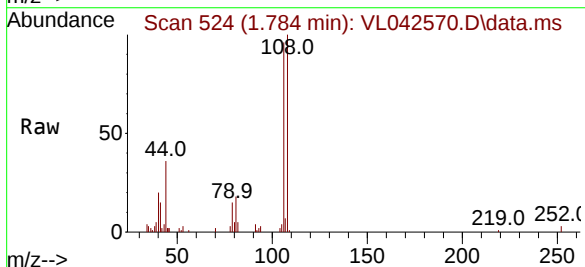
Instrument :
MSVOA_L
ClientSampleId :
MDL 0.40

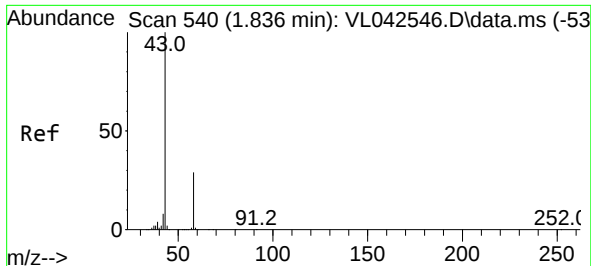
Tgt Ion: 45 Resp: 582
Ion Ratio Lower Upper
45 100
46 0.0 15.3 61.3#



#14
Bromoethene
Concen: 0.457 ppbv
RT: 1.784 min Scan# 524
Delta R.T. -0.000 min
Lab File: VL042570.D
Acq: 21 May 2025 17:25

Tgt Ion: 108 Resp: 2823
Ion Ratio Lower Upper
108 100
106 97.0 86.4 129.6
79 21.1 11.9 17.9#

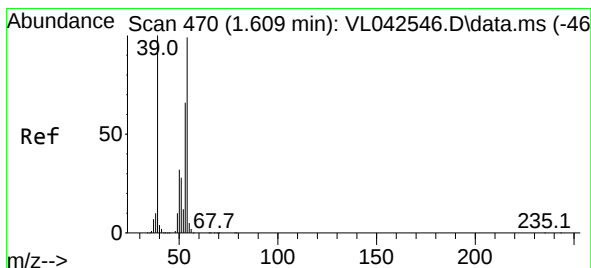
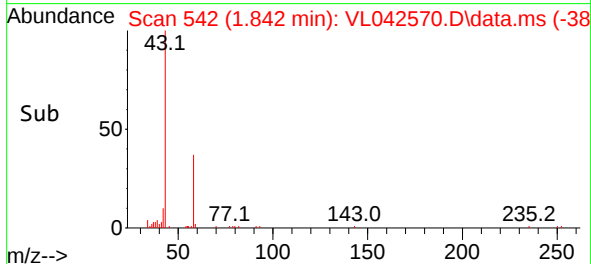
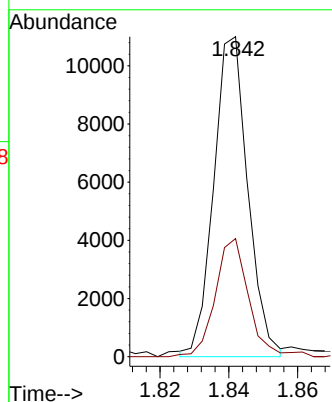
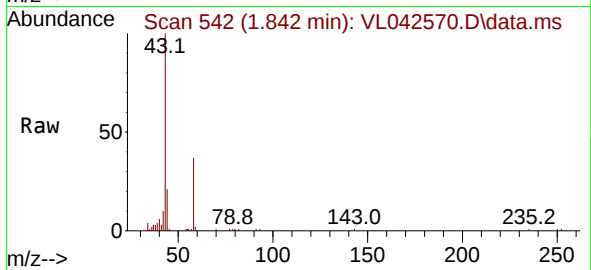




#15
Acetone
Concen: 0.524 ppbv
RT: 1.842 min Scan# 541
Delta R.T. 0.006 min
Lab File: VL042570.D
Acq: 21 May 2025 17:25

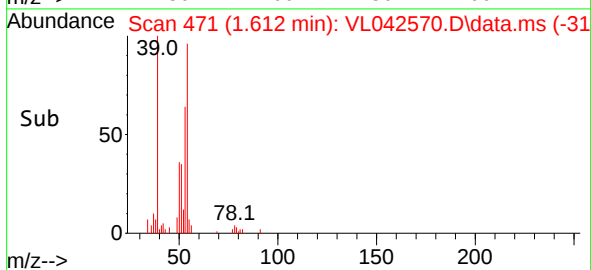
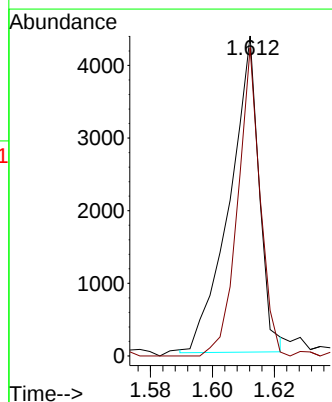
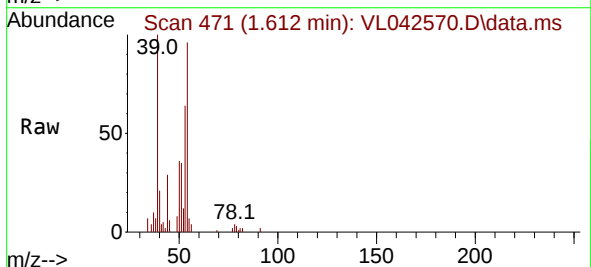
Instrument :
MSVOA_L
ClientSampleId :
MDL 0.40

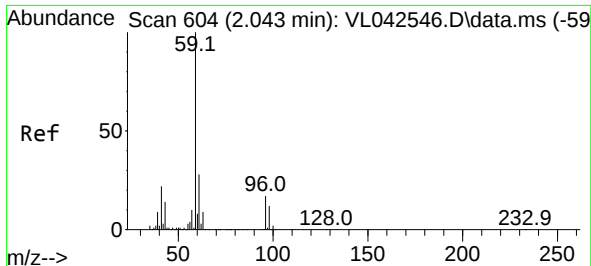
Tgt Ion: 43 Resp: 7580
Ion Ratio Lower Upper
43 100
58 36.4 24.2 36.2#



#16
1,3-Butadiene
Concen: 0.490 ppbv
RT: 1.612 min Scan# 471
Delta R.T. 0.003 min
Lab File: VL042570.D
Acq: 21 May 2025 17:25

Tgt Ion: 39 Resp: 2880
Ion Ratio Lower Upper
39 100
54 74.5 71.8 107.8





#17

tert-Butyl alcohol

Concen: 0.382 ppbv

RT: 2.046 min Scan# 604

Delta R.T. 0.003 min

Lab File: VL042570.D

Acq: 21 May 2025 17:25

Instrument :

MSVOA_L

ClientSampleId :

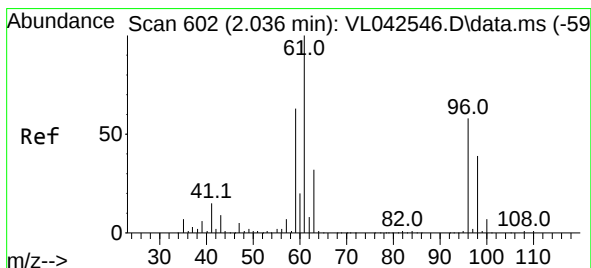
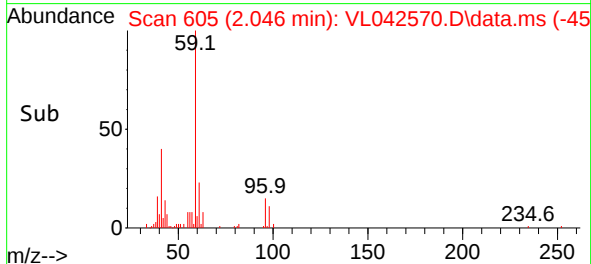
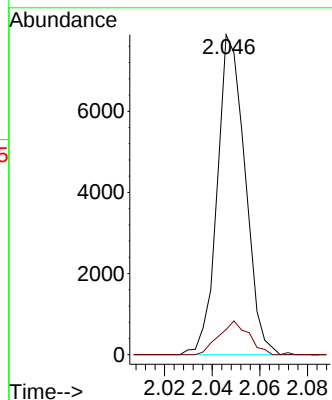
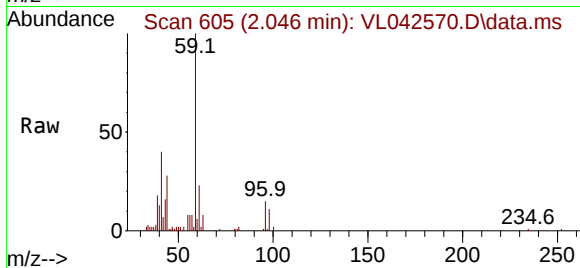
MDL 0.40

Tgt Ion: 59 Resp: 6386

Ion Ratio Lower Upper

59 100

57 11.4 8.2 12.2



#18

1,1-Dichloroethene

Concen: 0.464 ppbv

RT: 2.039 min Scan# 603

Delta R.T. 0.003 min

Lab File: VL042570.D

Acq: 21 May 2025 17:25

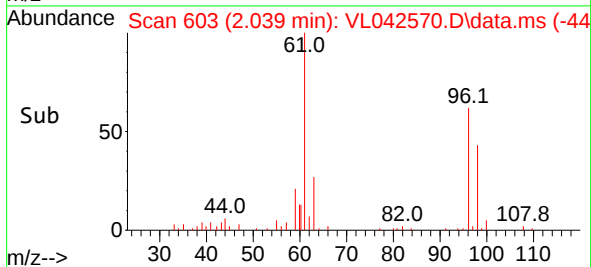
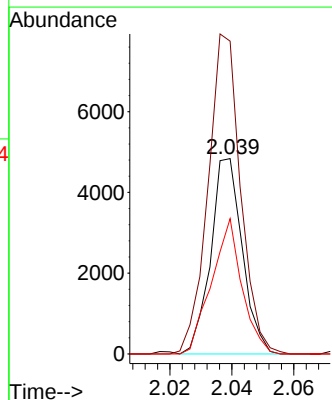
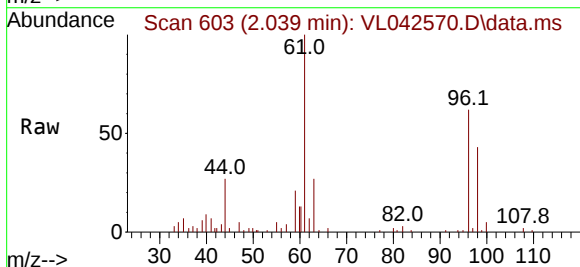
Tgt Ion: 96 Resp: 3429

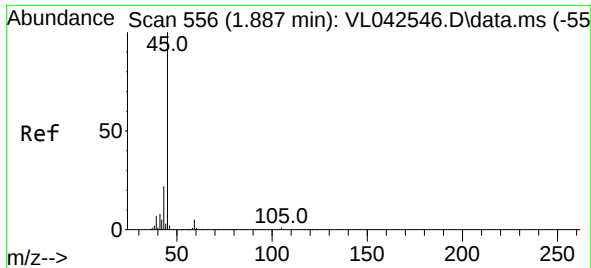
Ion Ratio Lower Upper

96 100

61 159.0 137.5 206.3

98 69.3 53.2 79.8

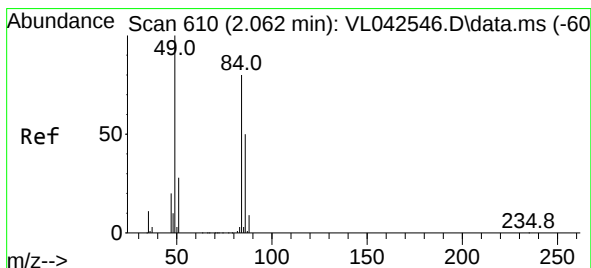
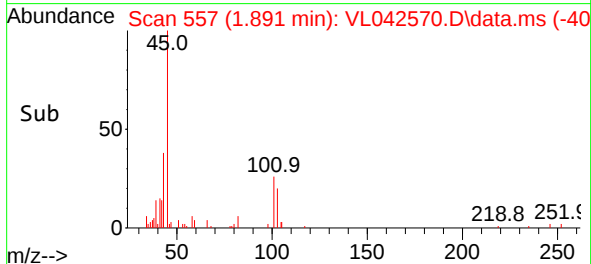
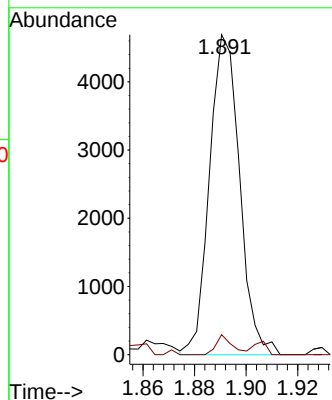
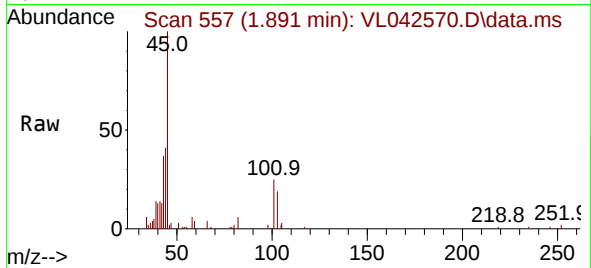




#19
Isopropyl Alcohol
Concen: 0.462 ppbv
RT: 1.891 min Scan# 557
Delta R.T. 0.003 min
Lab File: VL042570.D
Acq: 21 May 2025 17:25

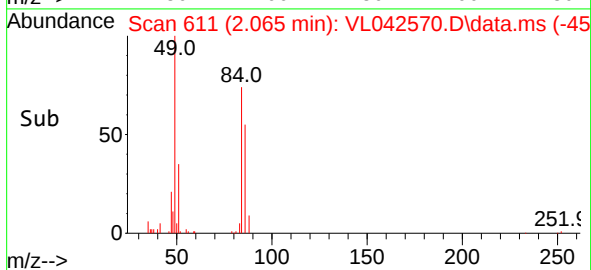
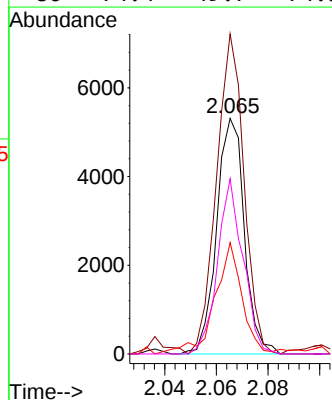
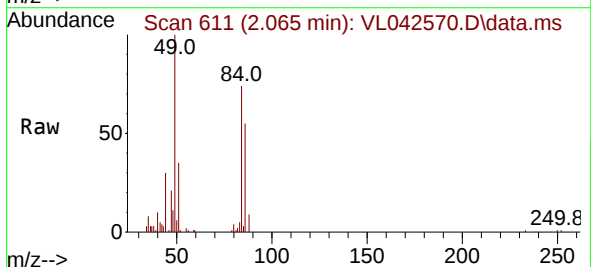
Instrument :
MSVOA_L
ClientSampleId :
MDL 0.40

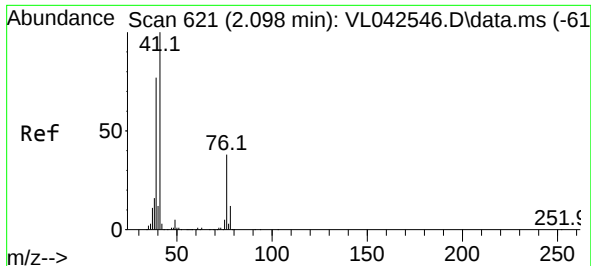
Tgt Ion: 45 Resp: 3803
Ion Ratio Lower Upper
45 100
58 5.2 35.3 52.9#



#20
Methylene Chloride
Concen: 0.563 ppbv
RT: 2.065 min Scan# 611
Delta R.T. 0.003 min
Lab File: VL042570.D
Acq: 21 May 2025 17:25

Tgt Ion: 84 Resp: 3948
Ion Ratio Lower Upper
84 100
49 135.8 99.7 149.5
51 46.4 29.7 44.5#
86 74.4 49.7 74.5

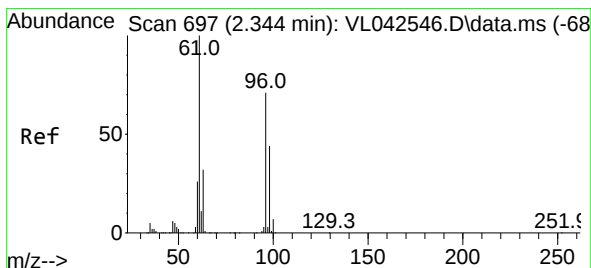
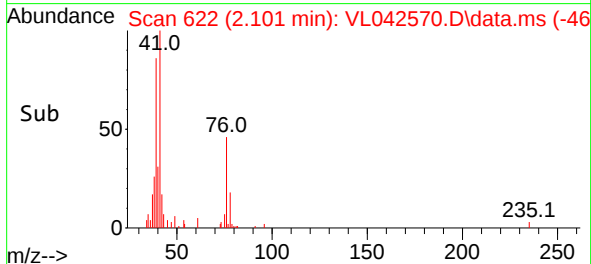
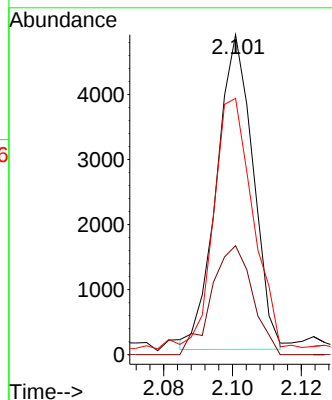
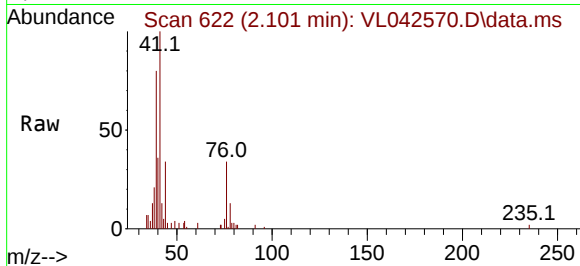




#21
 Allyl Chloride
 Concen: 0.384 ppbv
 RT: 2.101 min Scan# 61
 Delta R.T. 0.003 min
 Lab File: VL042570.D
 Acq: 21 May 2025 17:25

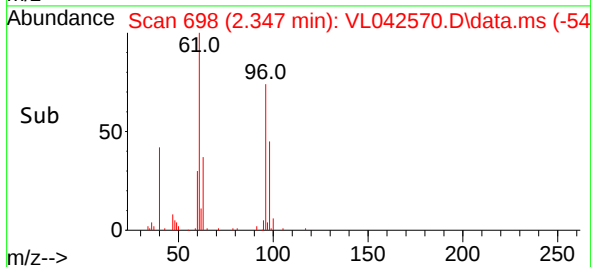
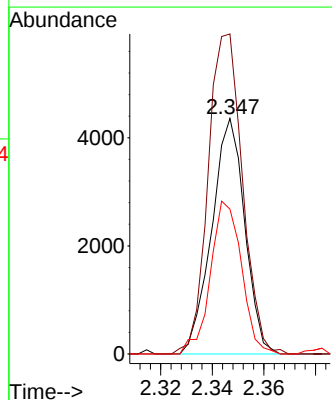
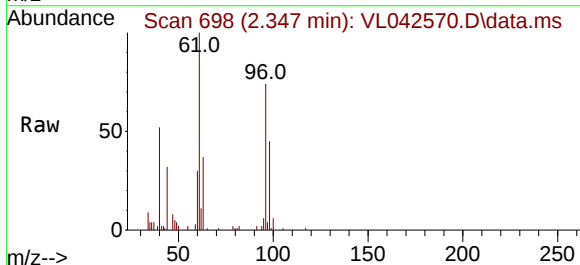
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL 0.40

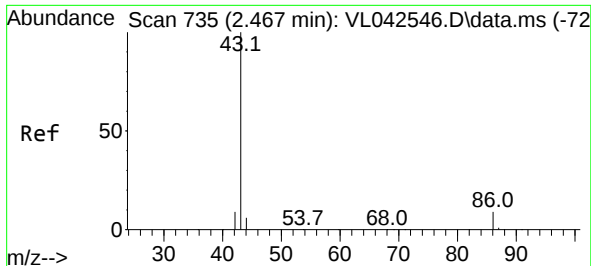
Tgt Ion: 41 Resp: 3557
 Ion Ratio Lower Upper
 41 100
 76 38.8 30.2 45.4
 39 89.3 62.5 93.7



#22
 trans-1,2-Dichloroethene
 Concen: 0.473 ppbv
 RT: 2.347 min Scan# 698
 Delta R.T. 0.003 min
 Lab File: VL042570.D
 Acq: 21 May 2025 17:25

Tgt Ion: 96 Resp: 3874
 Ion Ratio Lower Upper
 96 100
 61 133.5 112.5 168.7
 98 61.5 49.0 73.4

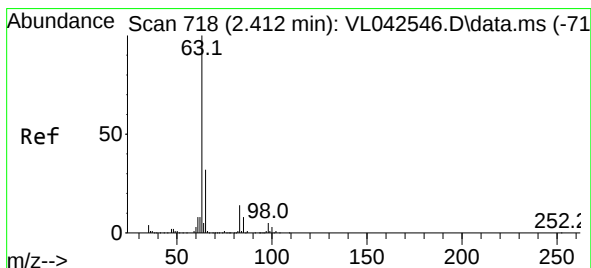
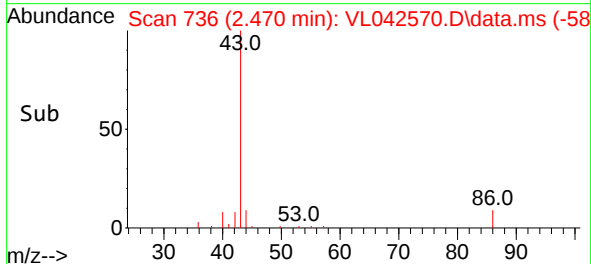
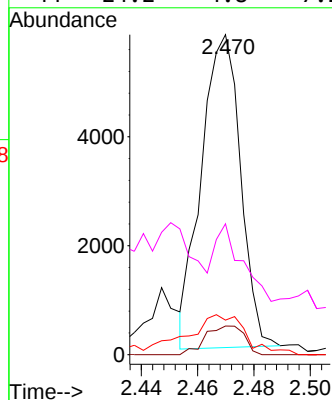
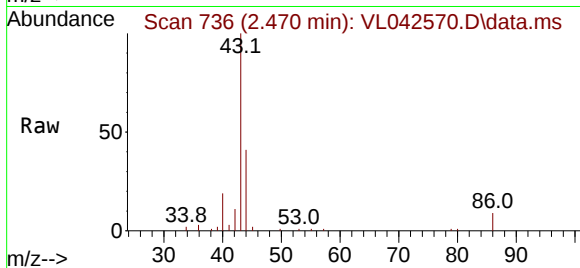




#23
 Vinyl Acetate
 Concen: 0.337 ppbv
 RT: 2.470 min Scan# 719
 Delta R.T. 0.003 min
 Lab File: VL042570.D
 Acq: 21 May 2025 17:25

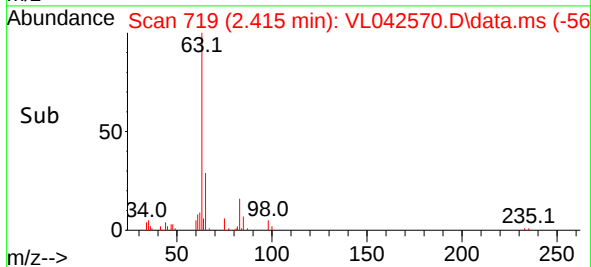
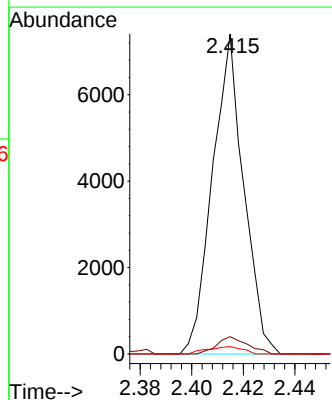
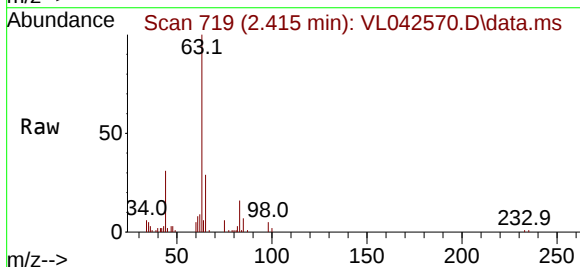
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL 0.40

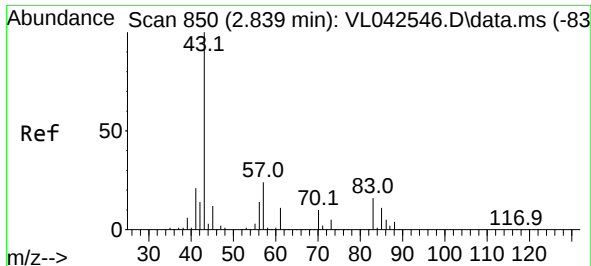
Tgt Ion:	43	Resp:	5551
Ion	Ratio	Lower	Upper
43	100		
86	9.2	7.0	10.6
42	9.6	7.4	11.2
44	24.2	4.8	7.2



#24
 1,1-Dichloroethane
 Concen: 0.442 ppbv
 RT: 2.415 min Scan# 719
 Delta R.T. 0.003 min
 Lab File: VL042570.D
 Acq: 21 May 2025 17:25

Tgt Ion:	63	Resp:	6219
Ion	Ratio	Lower	Upper
63	100		
98	5.4	2.6	7.8
100	2.3	1.8	5.3

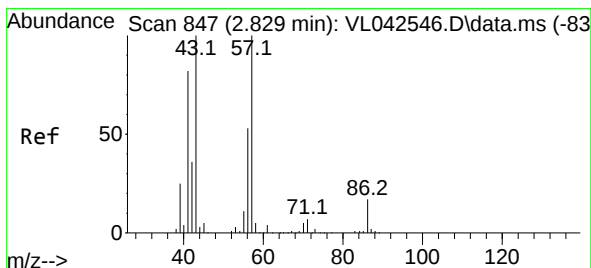
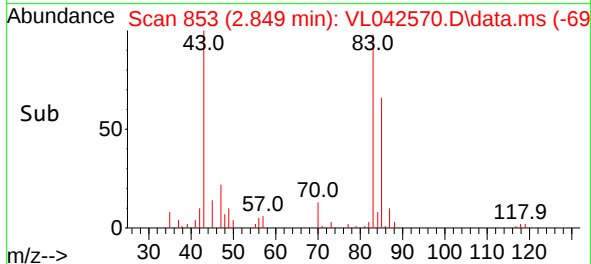
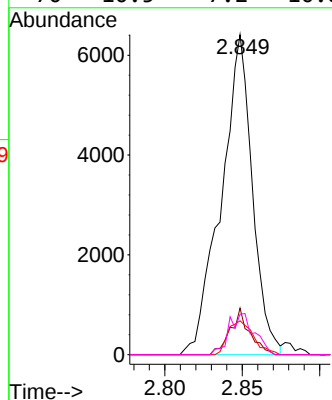
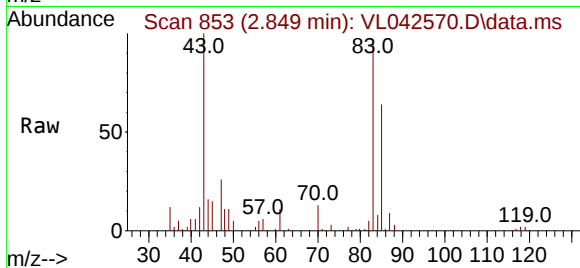




#25
Ethyl Acetate
Concen: 0.321 ppbv
RT: 2.849 min Scan# 81
Delta R.T. 0.010 min
Lab File: VL042570.D
Acq: 21 May 2025 17:25

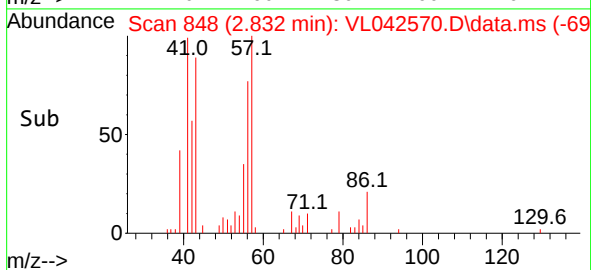
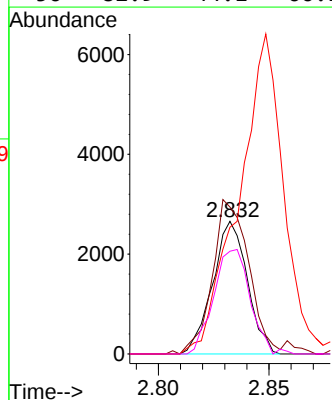
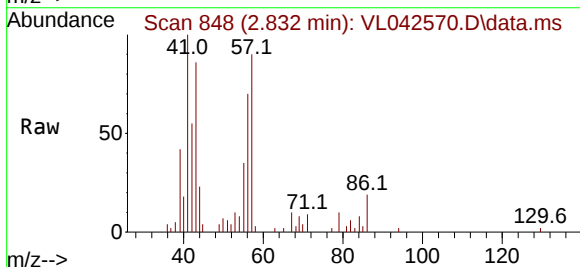
Instrument :
MSVOA_L
ClientSampleId :
MDL 0.40

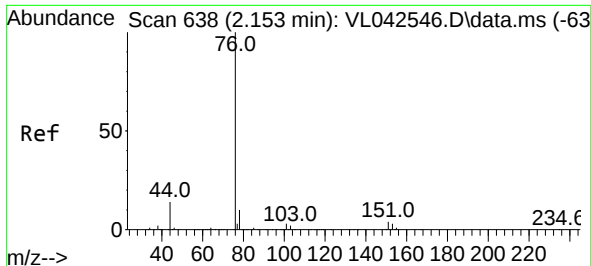
Tgt Ion: 43	Resp:	8978	
Ion	Ratio	Lower	Upper
43	100		
45	9.0	8.0	12.0
61	8.8	7.5	11.3
70	10.5	7.2	10.8



#26
Hexane
Concen: 0.229 ppbv
RT: 2.832 min Scan# 848
Delta R.T. 0.003 min
Lab File: VL042570.D
Acq: 21 May 2025 17:25

Tgt Ion: 57	Resp:	2902	
Ion	Ratio	Lower	Upper
57	100		
41	125.5	69.0	103.4#
43	314.4	174.2	261.2#
56	82.9	44.1	66.1#





#27

Carbon Disulfide

Concen: 0.421 ppbv

RT: 2.156 min Scan# 61

Delta R.T. 0.003 min

Lab File: VL042570.D

Acq: 21 May 2025 17:25

Instrument :

MSVOA_L

ClientSampleId :

MDL 0.40

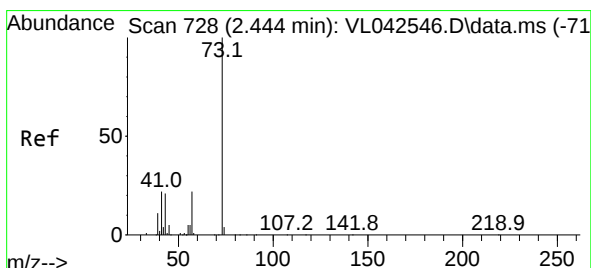
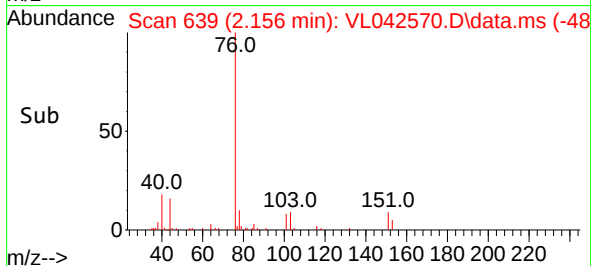
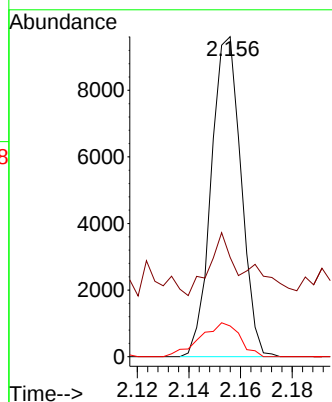
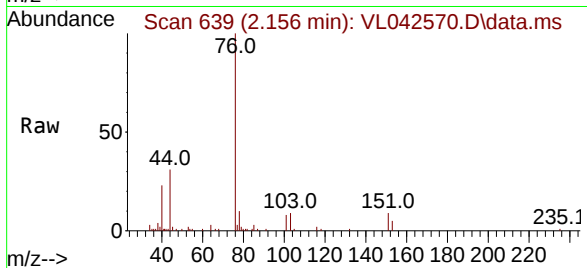
Tgt Ion: 76 Resp: 7707

Ion Ratio Lower Upper

76 100

44 59.0 14.0 21.0#

78 14.0 9.4 14.0



#28

Methyl tert-Butyl Ether

Concen: 0.414 ppbv

RT: 2.447 min Scan# 729

Delta R.T. 0.003 min

Lab File: VL042570.D

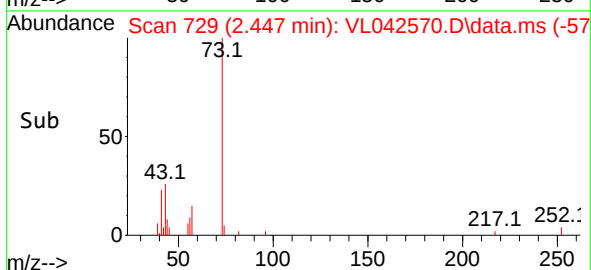
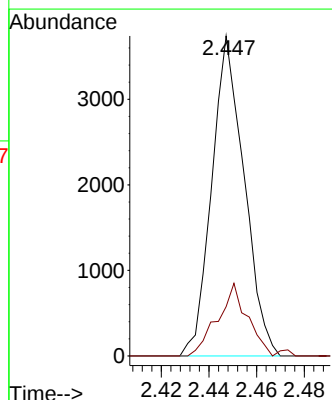
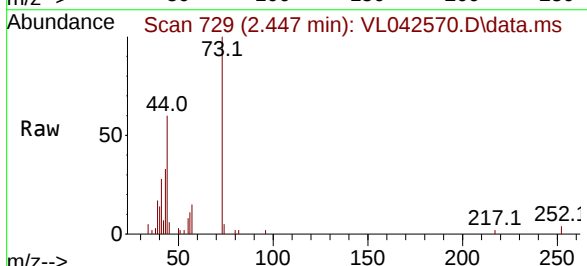
Acq: 21 May 2025 17:25

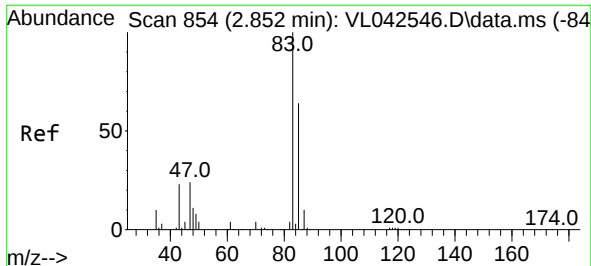
Tgt Ion: 73 Resp: 3529

Ion Ratio Lower Upper

73 100

57 21.7 17.2 25.8





#29

Chloroform

Concen: 0.449 ppbv

RT: 2.855 min Scan# 8

Delta R.T. 0.003 min

Lab File: VL042570.D

Acq: 21 May 2025 17:25

Instrument :

MSVOA_L

ClientSampleId :

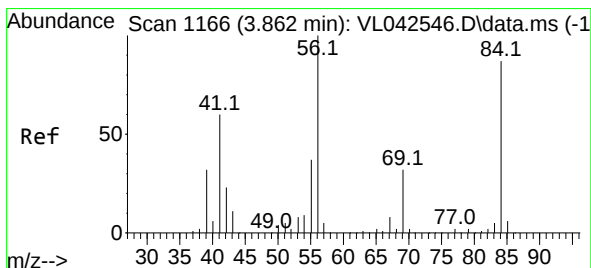
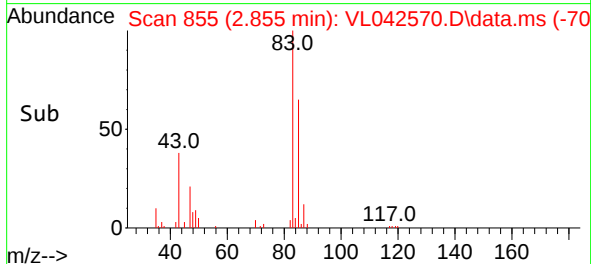
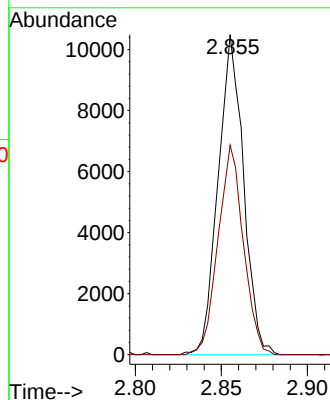
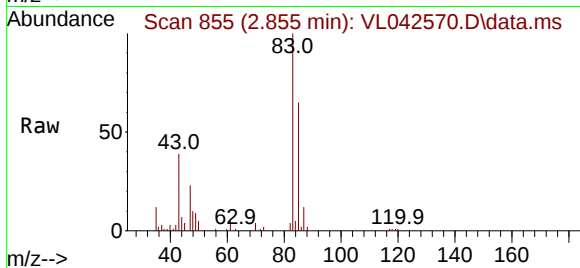
MDL 0.40

Tgt Ion: 83 Resp: 10748

Ion Ratio Lower Upper

83 100

85 65.5 51.6 77.4



#30

Cyclohexane

Concen: 0.202 ppbv

RT: 3.871 min Scan# 1169

Delta R.T. 0.010 min

Lab File: VL042570.D

Acq: 21 May 2025 17:25

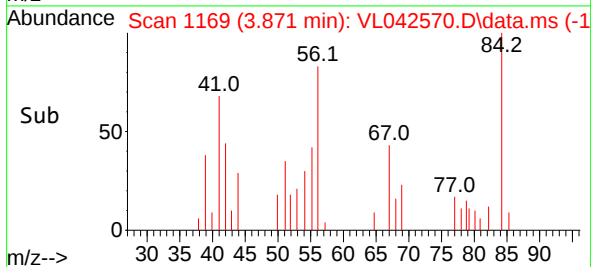
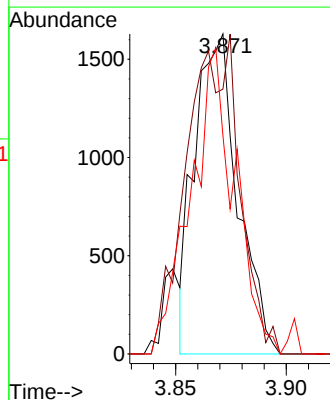
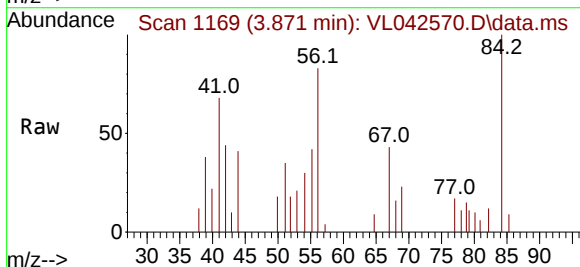
Tgt Ion: 84 Resp: 2212

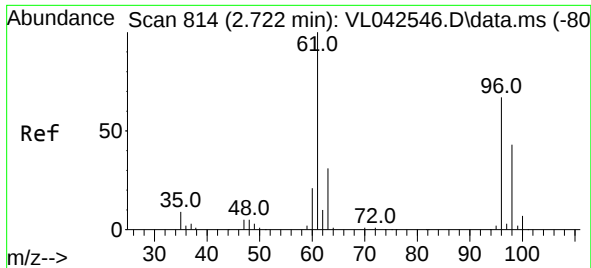
Ion Ratio Lower Upper

84 100

56 120.7 92.3 138.5

41 100.4 57.0 85.4#

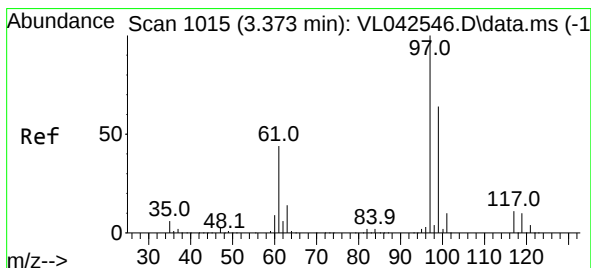
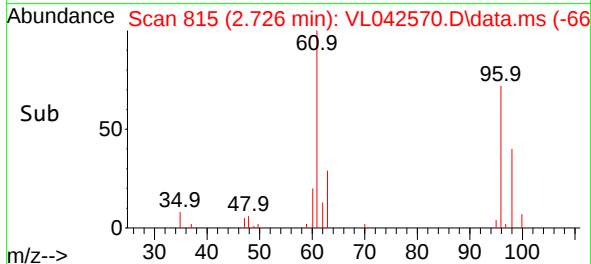
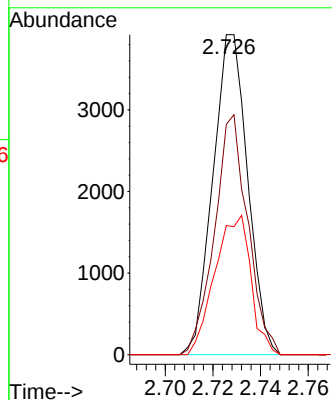
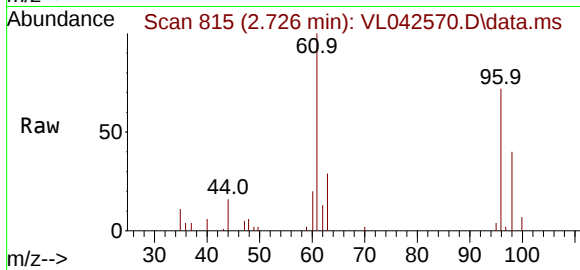




#31
 cis-1,2-Dichloroethene
 Concen: 0.286 ppbv
 RT: 2.726 min Scan# 814
 Delta R.T. 0.003 min
 Lab File: VL042570.D
 Acq: 21 May 2025 17:25

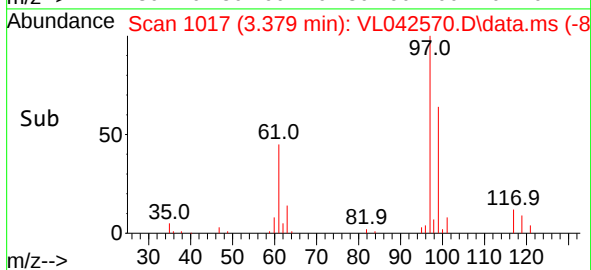
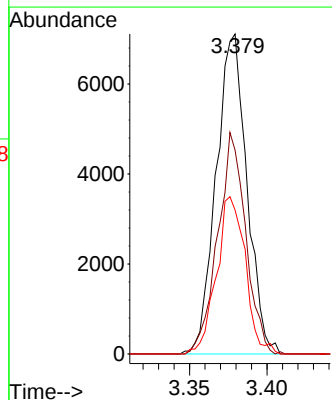
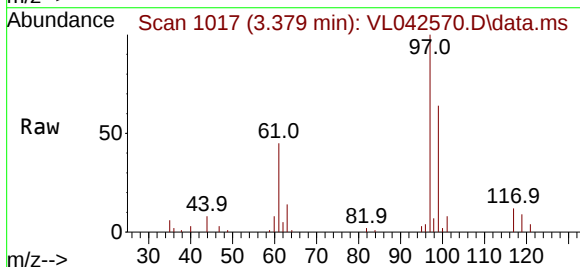
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL 0.40

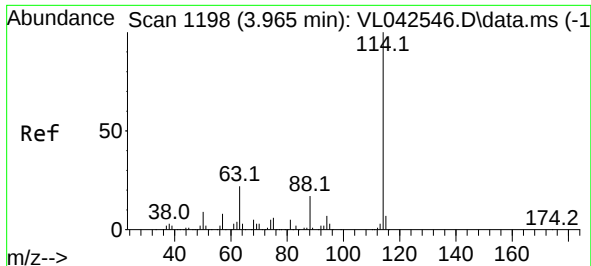
Tgt Ion: 61 Resp: 3984
 Ion Ratio Lower Upper
 61 100
 96 72.0 53.8 80.8
 98 40.3 34.5 51.7



#32
 1,1,1-Trichloroethane
 Concen: 0.401 ppbv
 RT: 3.379 min Scan# 1017
 Delta R.T. 0.006 min
 Lab File: VL042570.D
 Acq: 21 May 2025 17:25

Tgt Ion: 97 Resp: 9796
 Ion Ratio Lower Upper
 97 100
 99 63.0 51.5 77.3
 61 46.2 35.7 53.5





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.968 min Scan# 1199

Delta R.T. 0.003 min

Lab File: VL042570.D

Acq: 21 May 2025 17:25

Instrument :

MSVOA_L

ClientSampleId :

MDL 0.40

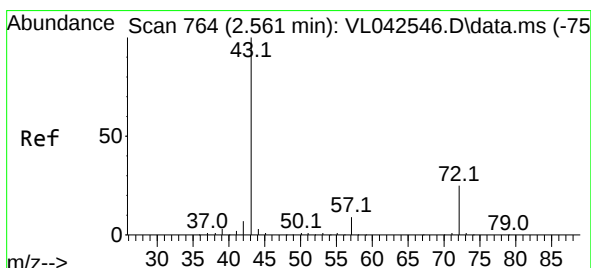
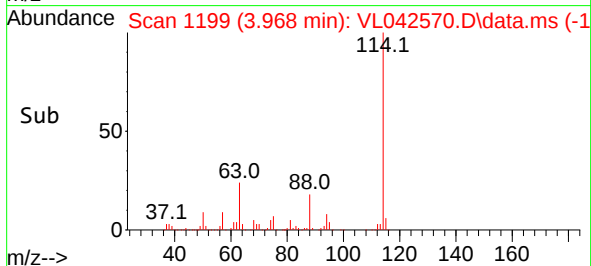
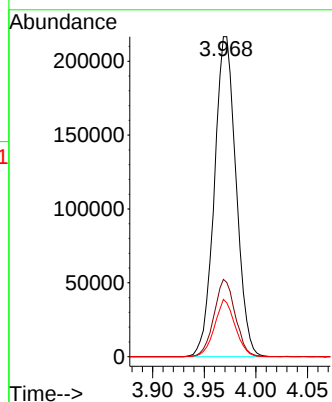
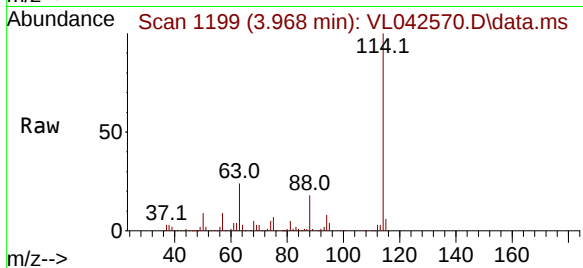
Tgt Ion:114 Resp: 317280

Ion Ratio Lower Upper

114 100

63 23.7 18.4 27.6

88 16.9 14.0 21.0



#34

2-Butanone

Concen: 0.374 ppbv

RT: 2.570 min Scan# 767

Delta R.T. 0.010 min

Lab File: VL042570.D

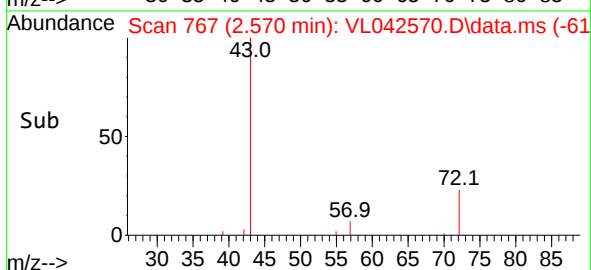
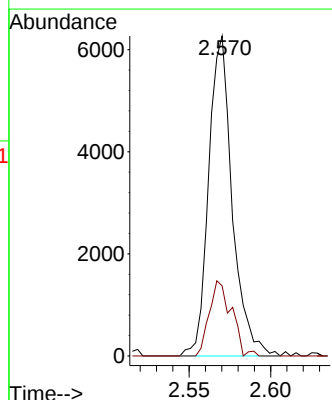
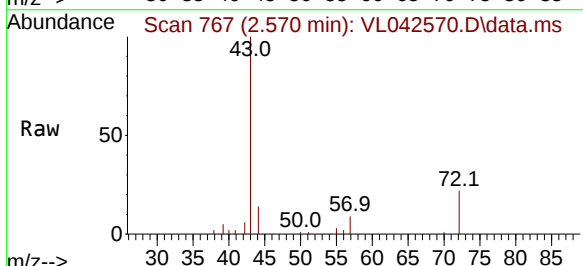
Acq: 21 May 2025 17:25

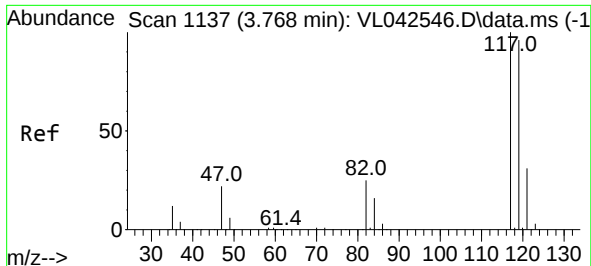
Tgt Ion: 43 Resp: 6305

Ion Ratio Lower Upper

43 100

72 22.1 20.5 30.7

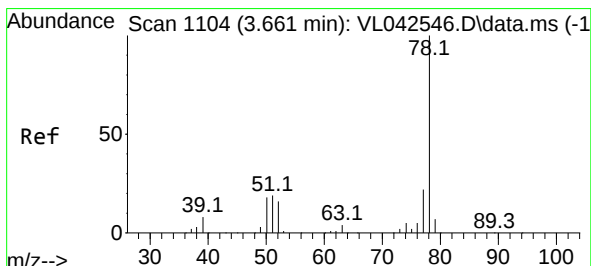
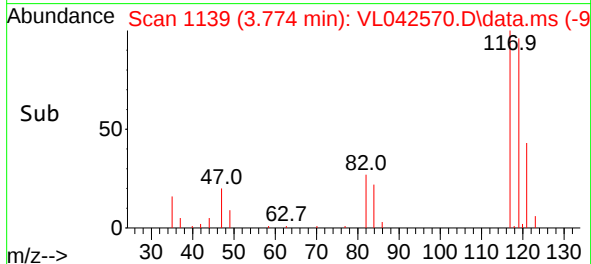
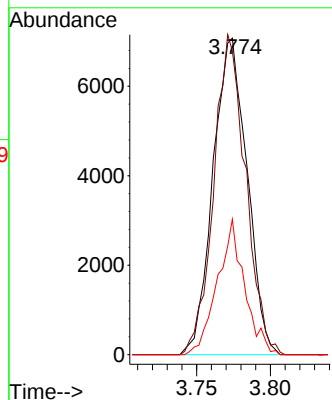
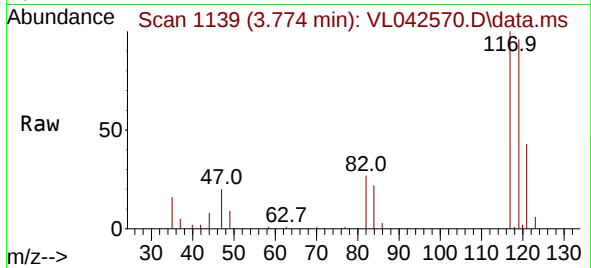




#35
Carbon Tetrachloride
Concen: 0.467 ppbv
RT: 3.774 min Scan# 1137
Delta R.T. 0.006 min
Lab File: VL042570.D
Acq: 21 May 2025 17:25

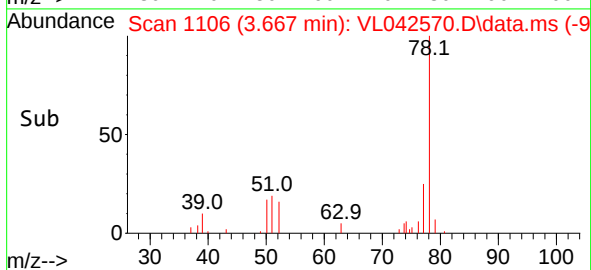
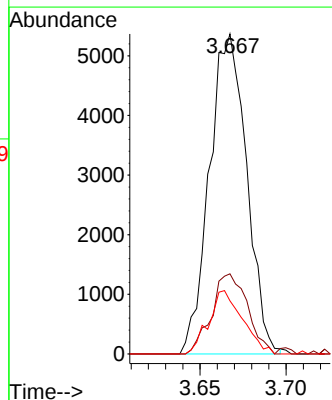
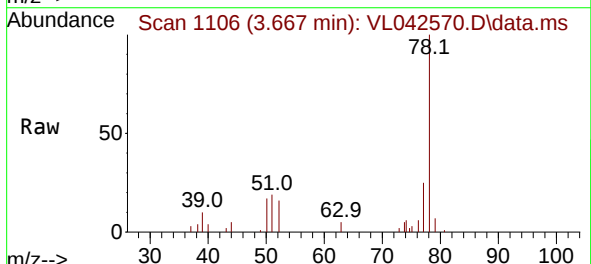
Instrument :
MSVOA_L
ClientSampleId :
MDL 0.40

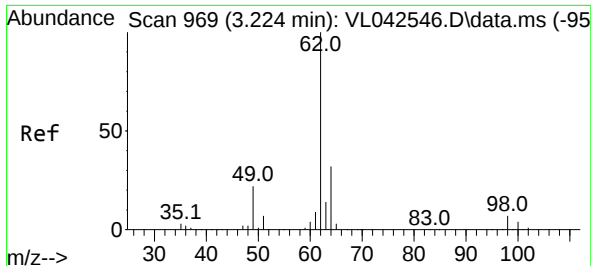
Tgt Ion:117 Resp: 11329
Ion Ratio Lower Upper
117 100
119 96.0 76.6 114.8
121 42.8 24.7 37.1#



#36
Benzene
Concen: 0.314 ppbv
RT: 3.667 min Scan# 1106
Delta R.T. 0.006 min
Lab File: VL042570.D
Acq: 21 May 2025 17:25

Tgt Ion: 78 Resp: 8063
Ion Ratio Lower Upper
78 100
77 25.1 17.8 26.6
50 16.6 14.0 21.0

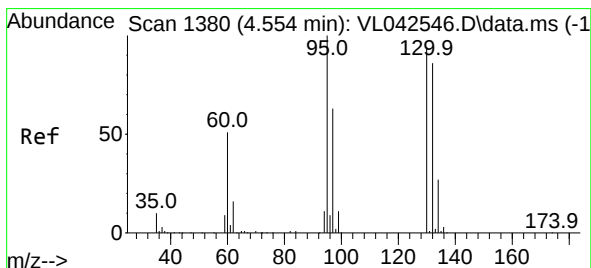
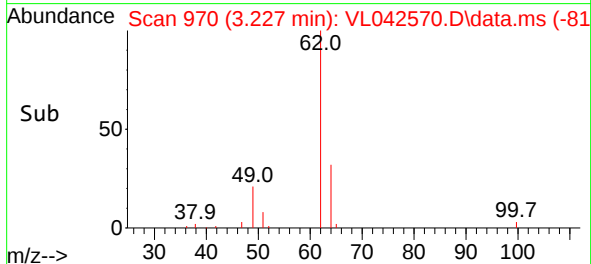
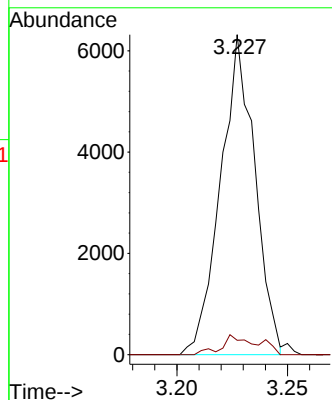
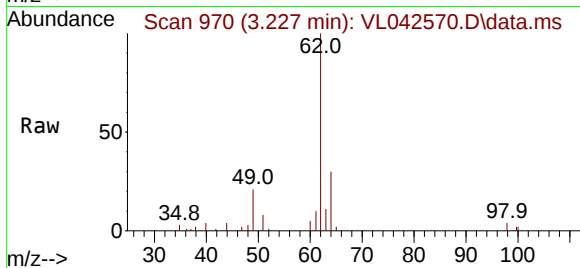




#37
1,2-Dichloroethane
Concen: 0.433 ppbv
RT: 3.227 min Scan# 91
Delta R.T. 0.003 min
Lab File: VL042570.D
Acq: 21 May 2025 17:25

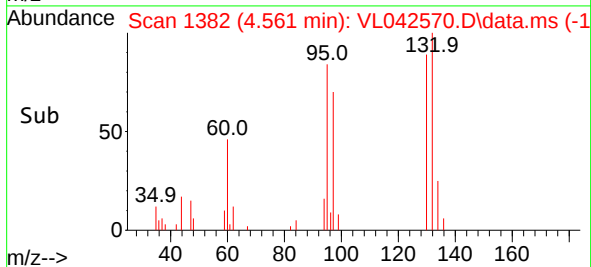
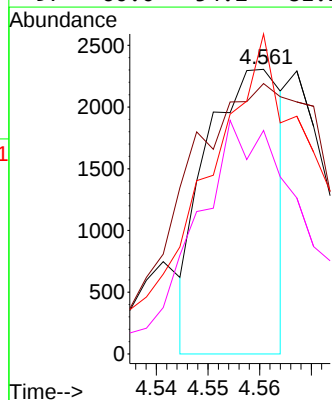
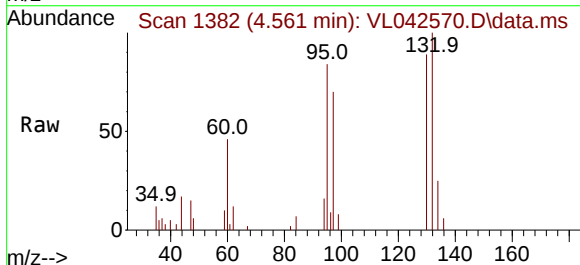
Instrument :
MSVOA_L
ClientSampleId :
MDL 0.40

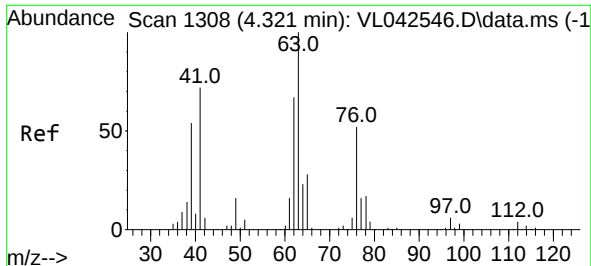
Tgt Ion: 62 Resp: 6790
Ion Ratio Lower Upper
62 100
98 6.3 5.5 8.3



#38
Trichloroethene
Concen: 0.200 ppbv
RT: 4.561 min Scan# 1382
Delta R.T. 0.006 min
Lab File: VL042570.D
Acq: 21 May 2025 17:25

Tgt Ion:130 Resp: 2338
Ion Ratio Lower Upper
130 100
95 50.0 85.2 127.8#
132 102.3 73.4 110.2
97 60.0 54.2 81.2





#39

1,2-Dichloropropane

Concen: 0.418 ppbv

RT: 4.324 min Scan# 11

Delta R.T. 0.003 min

Lab File: VL042570.D

Acq: 21 May 2025 17:25

Instrument :

MSVOA_L

ClientSampleId :

MDL 0.40

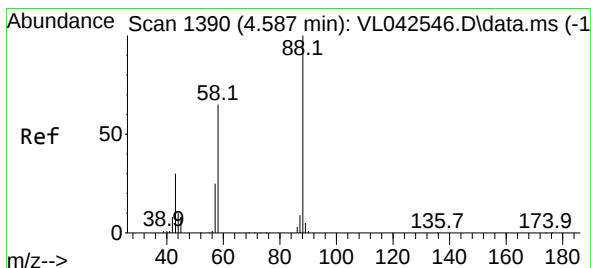
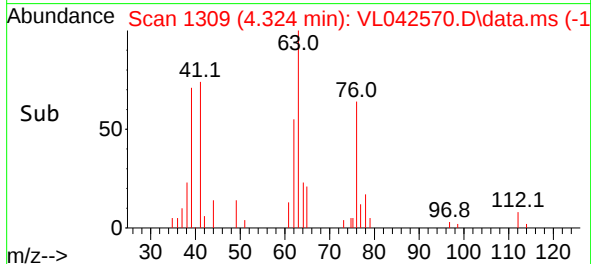
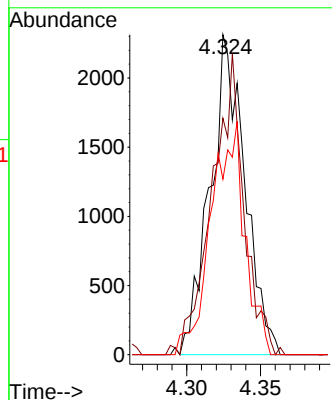
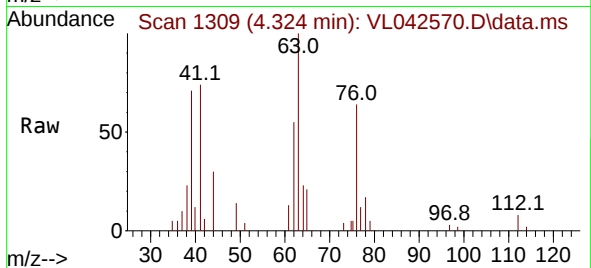
Tgt Ion: 63 Resp: 3771

Ion Ratio Lower Upper

63 100

41 73.9 58.0 87.0

62 54.9 53.3 79.9



#40

1,4-Dioxane

Concen: 0.090 ppbv

RT: 4.616 min Scan# 1399

Delta R.T. 0.029 min

Lab File: VL042570.D

Acq: 21 May 2025 17:25

Tgt Ion: 88 Resp: 361

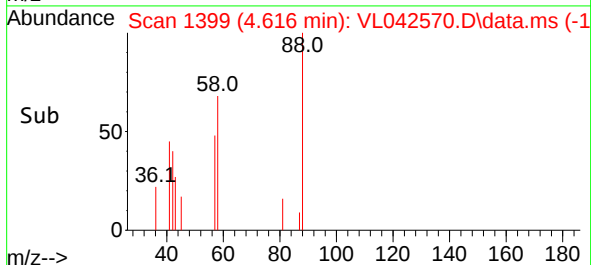
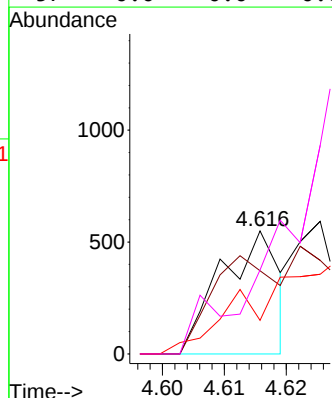
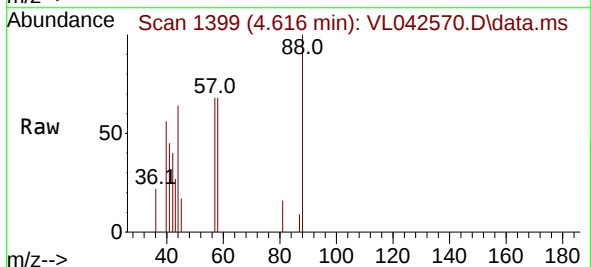
Ion Ratio Lower Upper

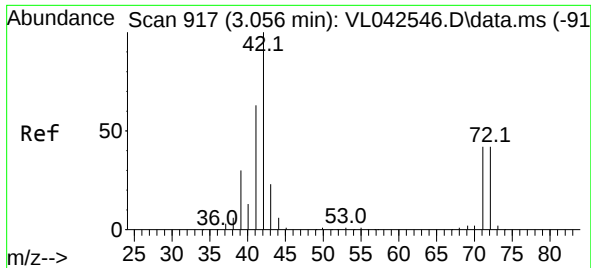
88 100

58 0.0 52.8 79.2#

43 0.0 23.0 34.4#

57 0.0 0.0 0.0

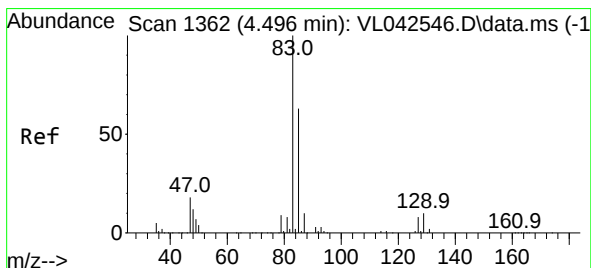
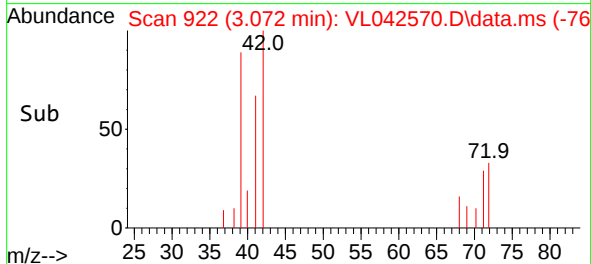
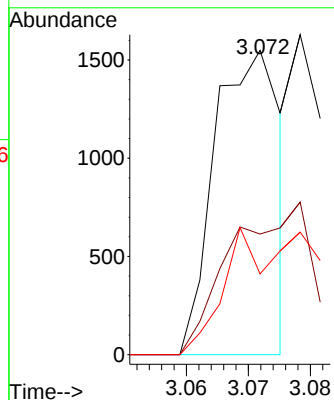
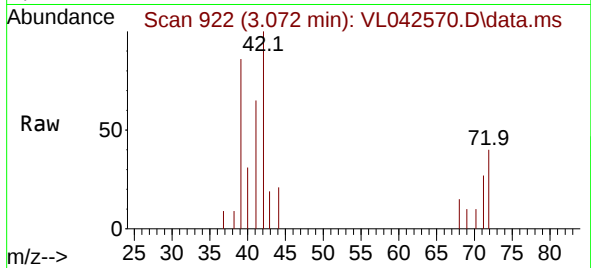




#41
Tetrahydrofuran
Concen: 0.140 ppbv
RT: 3.072 min Scan# 917
Delta R.T. 0.016 min
Lab File: VL042570.D
Acq: 21 May 2025 17:25

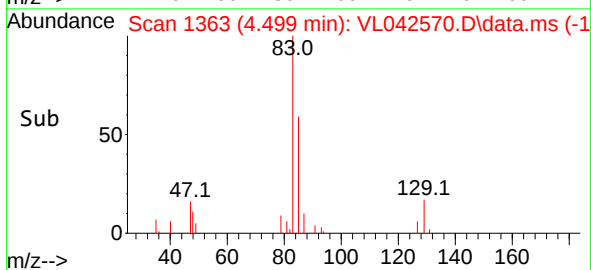
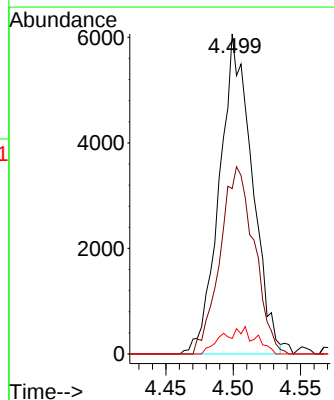
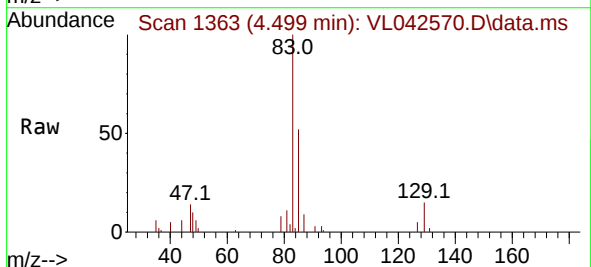
Instrument :
MSVOA_L
ClientSampleId :
MDL 0.40

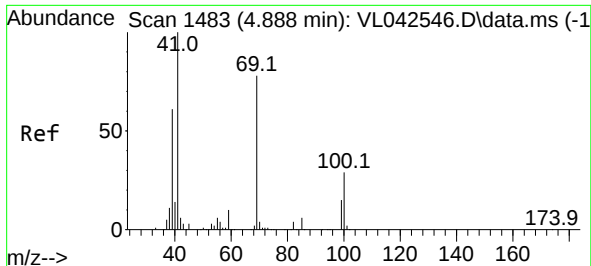
Tgt Ion: 42 Resp: 1146
Ion Ratio Lower Upper
42 100
72 0.0 34.8 52.2#
71 61.6 33.6 50.4#



#42
Bromodichloromethane
Concen: 0.462 ppbv
RT: 4.499 min Scan# 1363
Delta R.T. 0.003 min
Lab File: VL042570.D
Acq: 21 May 2025 17:25

Tgt Ion: 83 Resp: 10218
Ion Ratio Lower Upper
83 100
85 51.7 50.4 75.6
127 4.9 6.5 9.7#

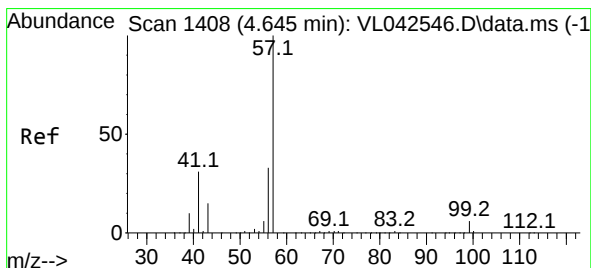
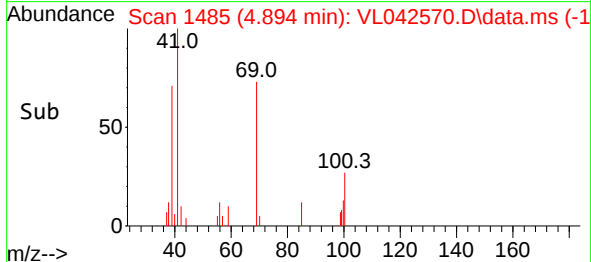
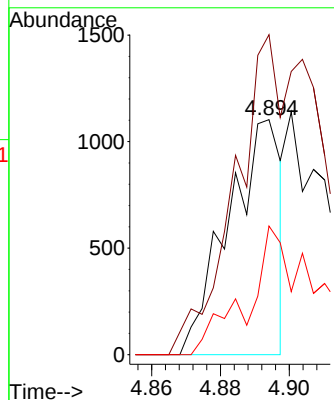
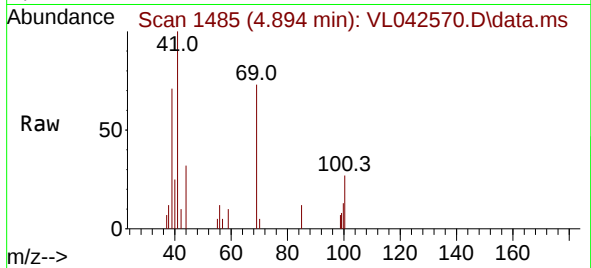




#43
Methyl Methacrylate
Concen: 0.134 ppbv
RT: 4.894 min Scan# 1411
Delta R.T. 0.006 min
Lab File: VL042570.D
Acq: 21 May 2025 17:25

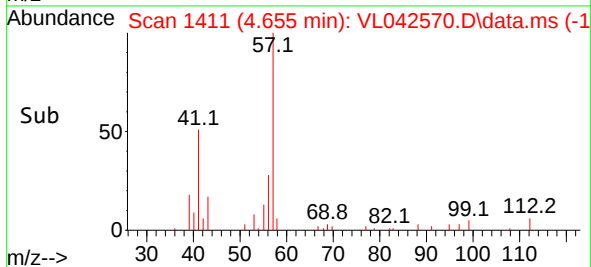
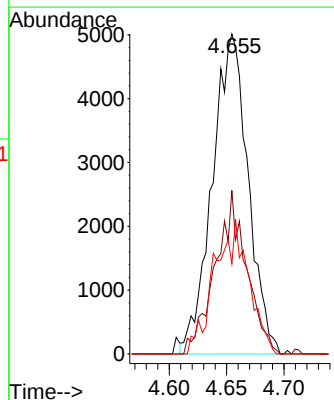
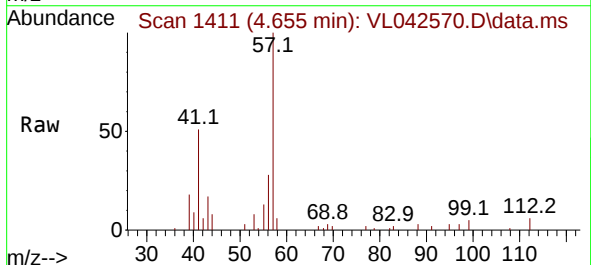
Instrument :
MSVOA_L
ClientSampleId :
MDL 0.40

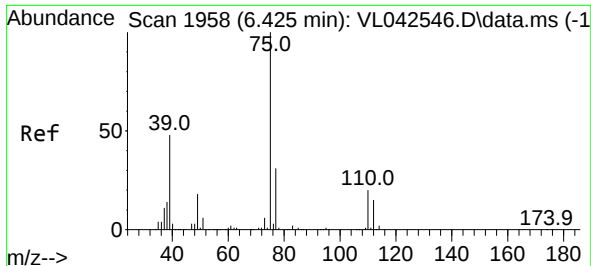
Tgt Ion: 69 Resp: 1171
Ion Ratio Lower Upper
69 100
41 248.9 107.8 161.8#
100 72.2 30.3 45.5#



#44
2,2,4-Trimethylpentane
Concen: 0.277 ppbv
RT: 4.655 min Scan# 1411
Delta R.T. 0.010 min
Lab File: VL042570.D
Acq: 21 May 2025 17:25

Tgt Ion: 57 Resp: 10899
Ion Ratio Lower Upper
57 100
41 44.6 25.0 37.4#
56 40.0 25.1 37.7#





#45

t-1,3-Dichloropropene

Concen: 0.223 ppbv

RT: 6.432 min Scan# 1958

Delta R.T. 0.006 min

Lab File: VL042570.D

Acq: 21 May 2025 17:25

Instrument :

MSVOA_L

ClientSampleId :

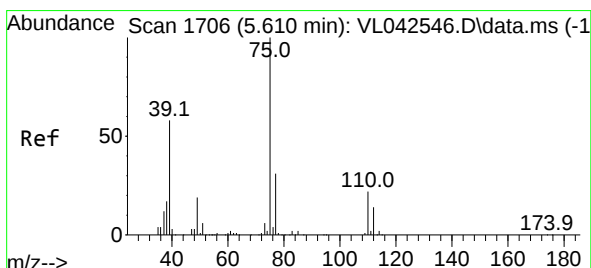
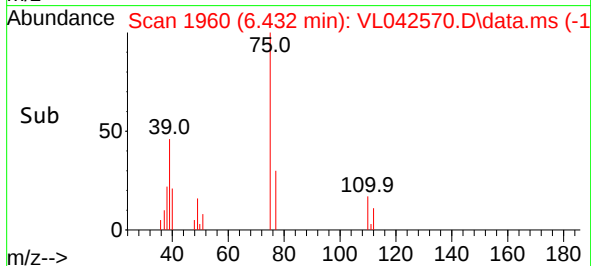
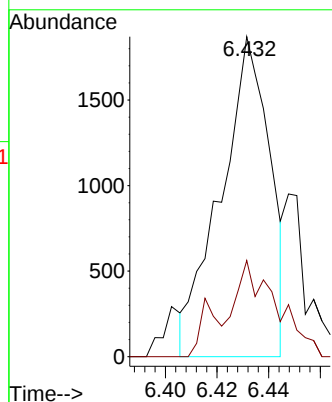
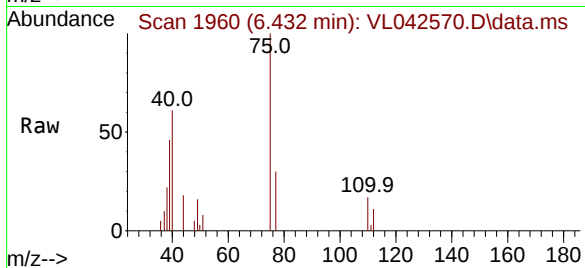
MDL 0.40

Tgt Ion: 75 Resp: 2473

Ion Ratio Lower Upper

75 100

77 30.1 24.6 37.0



#46

cis-1,3-Dichloropropene

Concen: 0.068 ppbv

RT: 5.616 min Scan# 1708

Delta R.T. 0.006 min

Lab File: VL042570.D

Acq: 21 May 2025 17:25

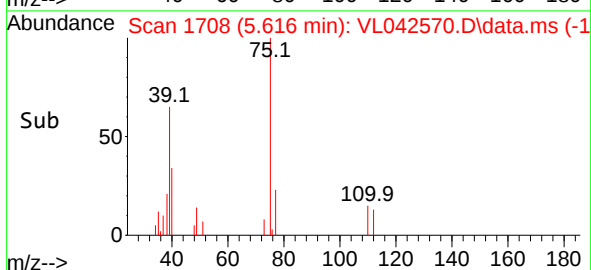
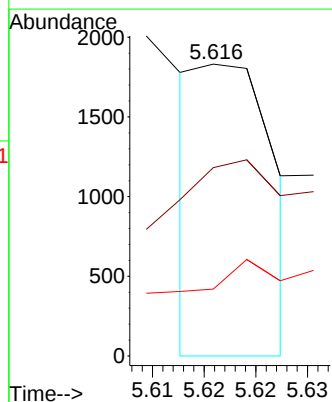
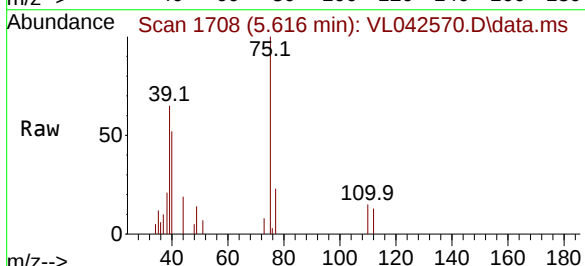
Tgt Ion: 75 Resp: 925

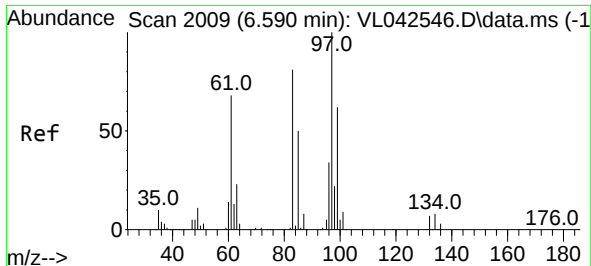
Ion Ratio Lower Upper

75 100

39 28.9 46.3 69.5#

77 2.1 25.0 37.6#





#47

1,1,2-Trichloroethane

Concen: 0.275 ppbv

RT: 6.597 min Scan# 2009

Delta R.T. 0.006 min

Lab File: VL042570.D

Acq: 21 May 2025 17:25

Instrument :

MSVOA_L

ClientSampleId :

MDL 0.40

Tgt Ion: 97 Resp: 2964

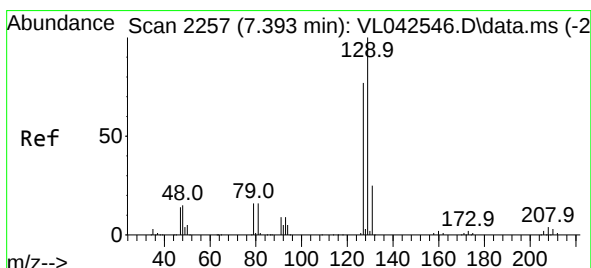
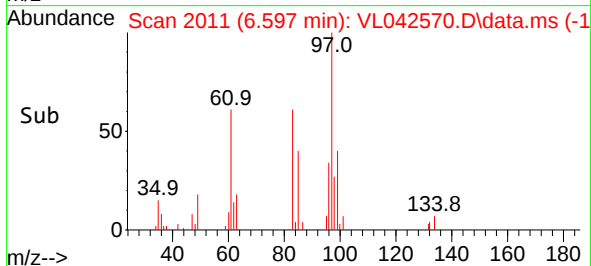
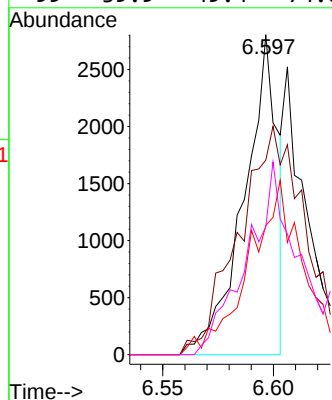
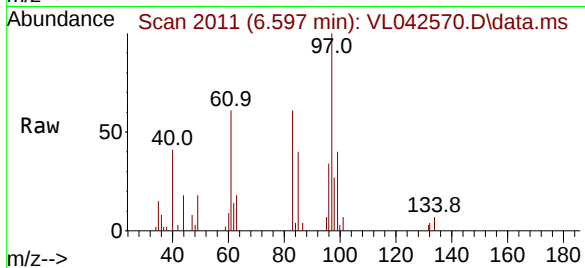
Ion Ratio Lower Upper

97 100

83 60.8 65.0 97.4#

85 40.4 39.9 59.9

99 39.9 49.4 74.0#



#48

Dibromochloromethane

Concen: 0.428 ppbv

RT: 7.399 min Scan# 2259

Delta R.T. 0.006 min

Lab File: VL042570.D

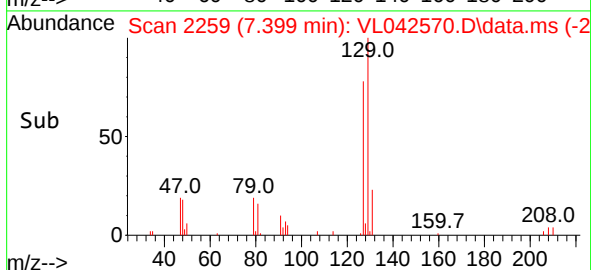
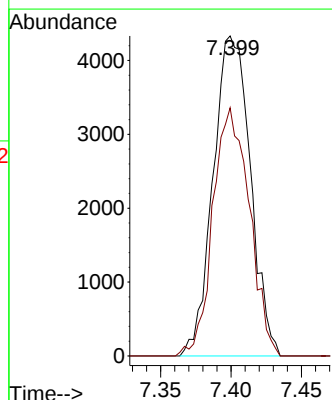
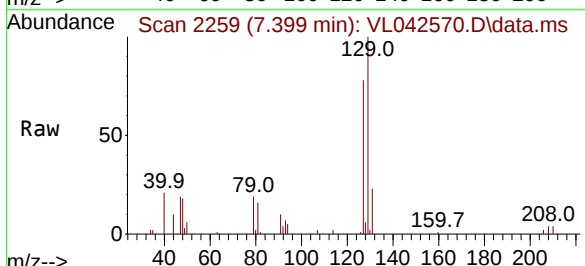
Acq: 21 May 2025 17:25

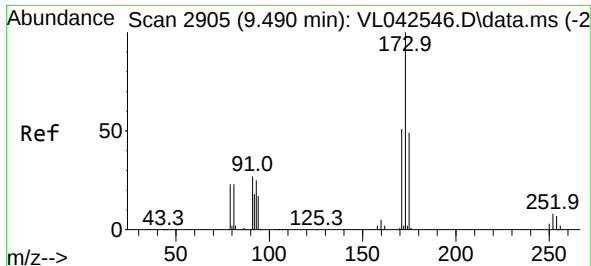
Tgt Ion: 129 Resp: 7989

Ion Ratio Lower Upper

129 100

127 75.7 39.0 117.0





#49

Bromoform

Concen: 0.383 ppbv

RT: 9.497 min Scan# 2905

Delta R.T. 0.006 min

Lab File: VL042570.D

Acq: 21 May 2025 17:25

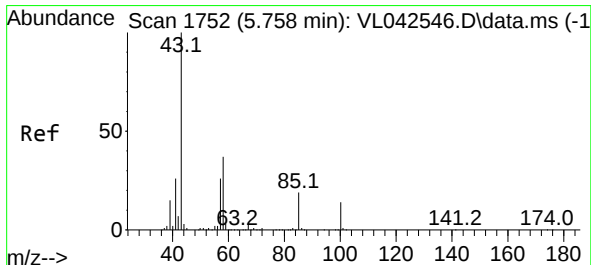
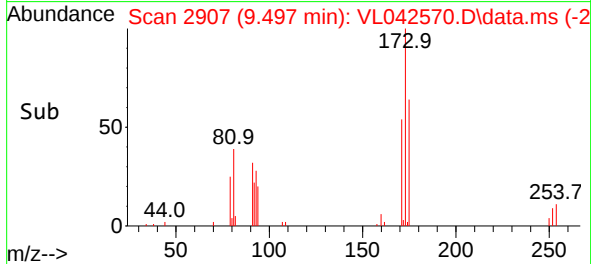
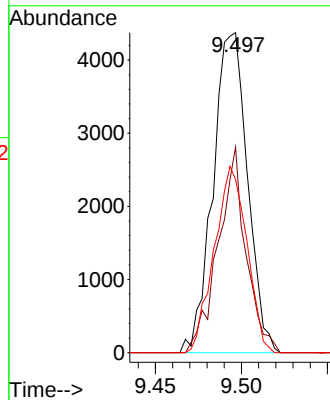
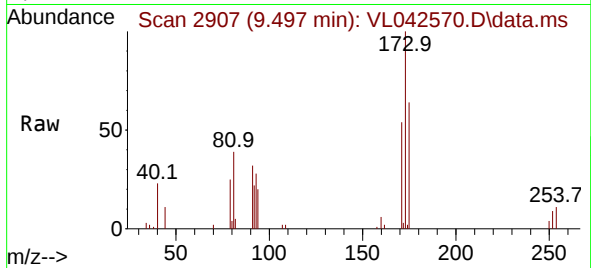
Instrument :

MSVOA_L

ClientSampleId :

MDL 0.40

Tgt Ion:173	Resp:	6105
Ion	Ratio	Lower Upper
173	100	
175	51.9	39.2 58.8
171	55.0	41.9 62.9



#50

4-Methyl-2-Pentanone

Concen: 0.066 ppbv

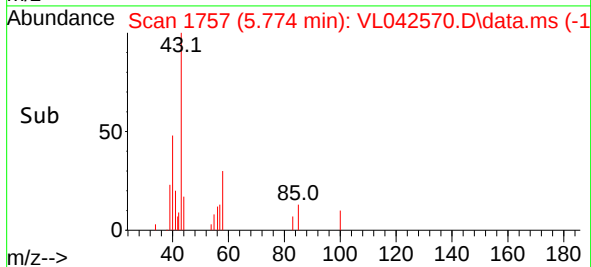
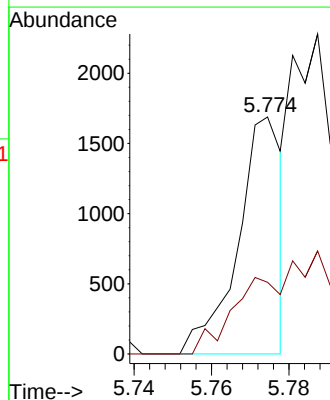
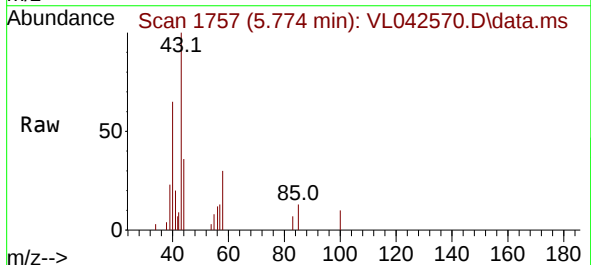
RT: 5.774 min Scan# 1757

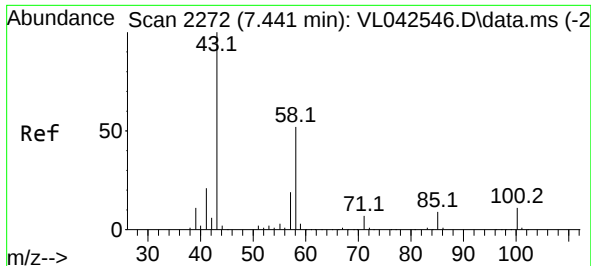
Delta R.T. 0.016 min

Lab File: VL042570.D

Acq: 21 May 2025 17:25

Tgt Ion: 43	Resp:	1335
Ion	Ratio	Lower Upper
43	100	
58	0.0	30.0 45.0#

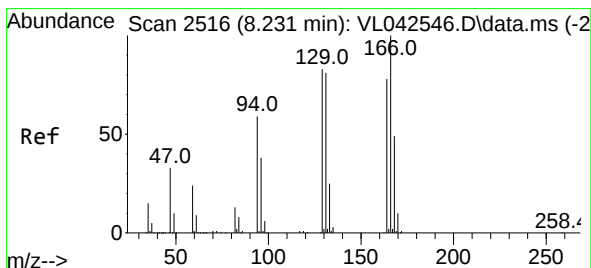
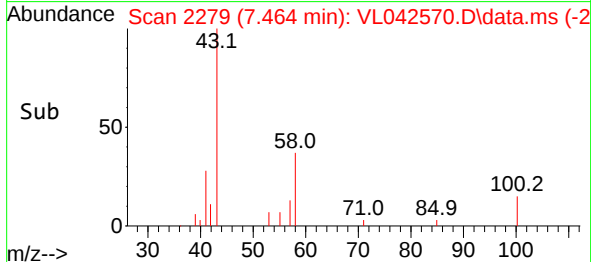
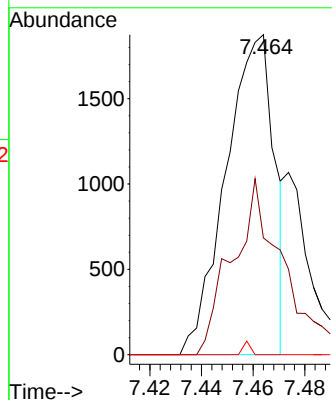
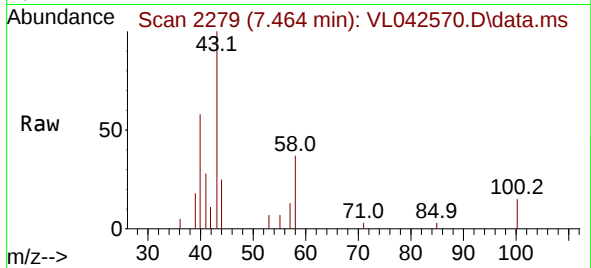




#51
2-Hexanone
Concen: 0.164 ppbv
RT: 7.464 min Scan# 2118
Delta R.T. 0.023 min
Lab File: VL042570.D
Acq: 21 May 2025 17:25

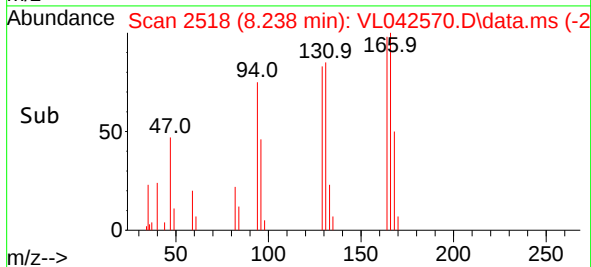
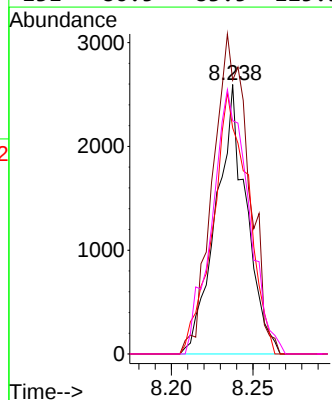
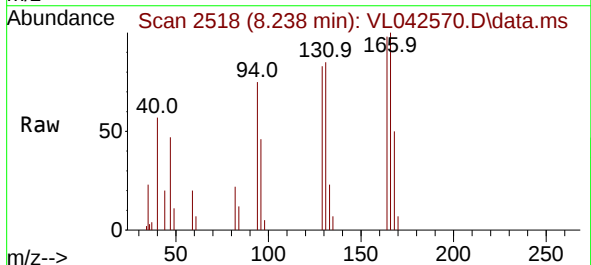
Instrument :
MSVOA_L
ClientSampleId :
MDL 0.40

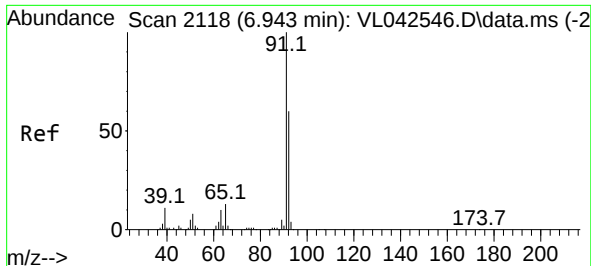
Tgt Ion: 43 Resp: 2448
Ion Ratio Lower Upper
43 100
58 58.1 41.4 62.2
98 0.0 0.4 0.6#



#52
Tetrachloroethene
Concen: 0.336 ppbv
RT: 8.238 min Scan# 2518
Delta R.T. 0.006 min
Lab File: VL042570.D
Acq: 21 May 2025 17:25

Tgt Ion: 164 Resp: 3360
Ion Ratio Lower Upper
164 100
166 101.6 103.1 154.7#
129 83.9 85.3 127.9#
131 86.5 83.5 125.3

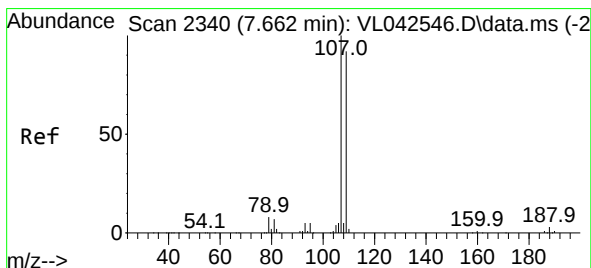
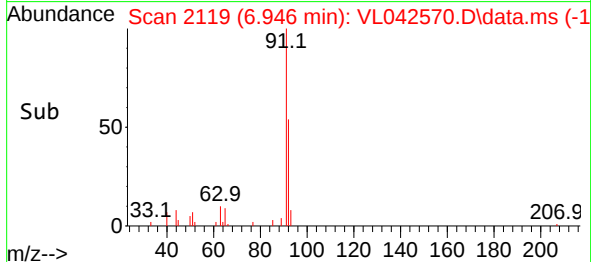
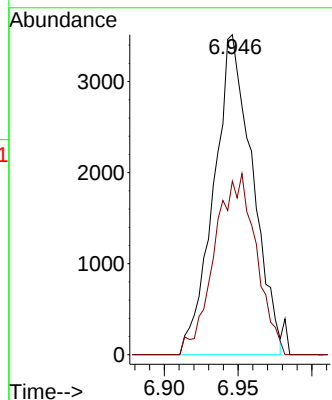
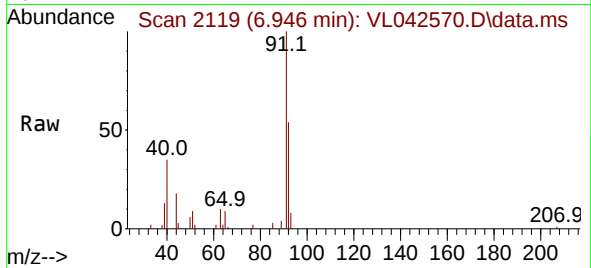




#53
Toluene
Concen: 0.233 ppbv
RT: 6.946 min Scan# 2118
Delta R.T. 0.003 min
Lab File: VL042570.D
Acq: 21 May 2025 17:25

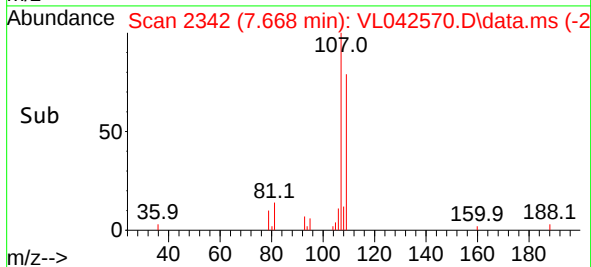
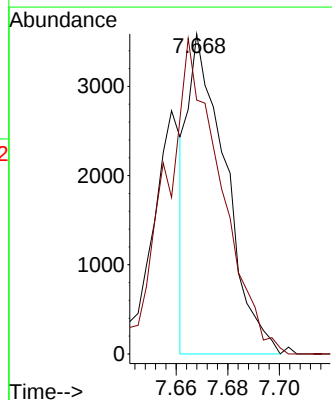
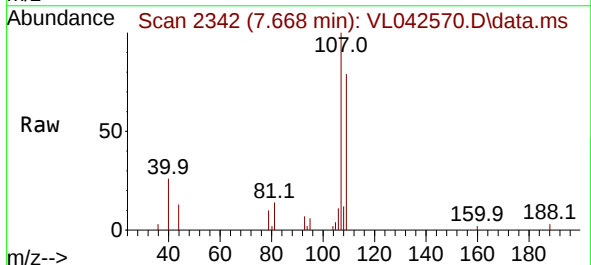
Instrument :
MSVOA_L
ClientSampleId :
MDL 0.40

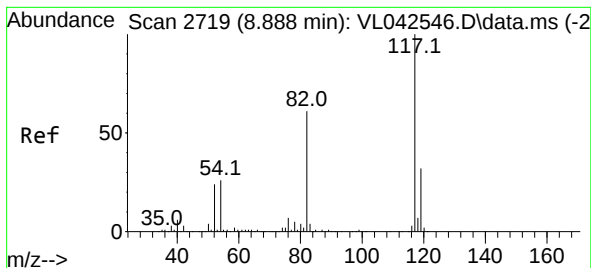
Tgt Ion: 91 Resp: 6406
Ion Ratio Lower Upper
91 100
92 61.0 47.8 71.8



#54
1,2-Dibromoethane
Concen: 0.231 ppbv
RT: 7.668 min Scan# 2342
Delta R.T. 0.006 min
Lab File: VL042570.D
Acq: 21 May 2025 17:25

Tgt Ion: 107 Resp: 3634
Ion Ratio Lower Upper
107 100
109 77.5 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: VL042570.D

Acq: 21 May 2025 17:25

Instrument :

MSVOA_L

ClientSampleId :

MDL 0.40

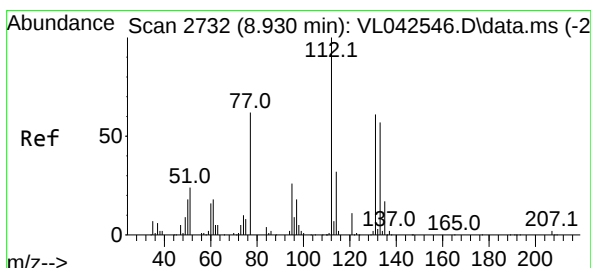
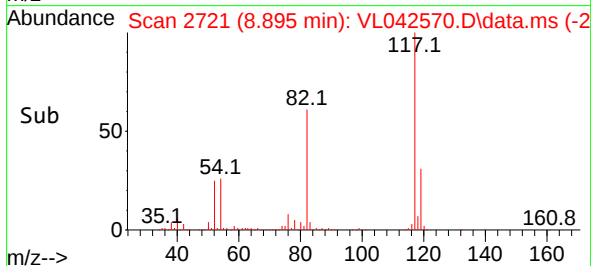
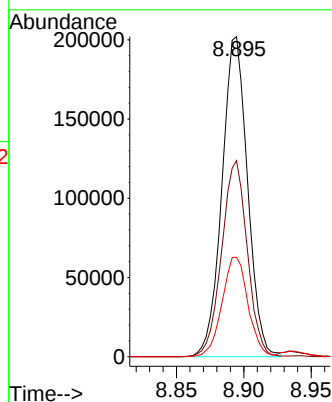
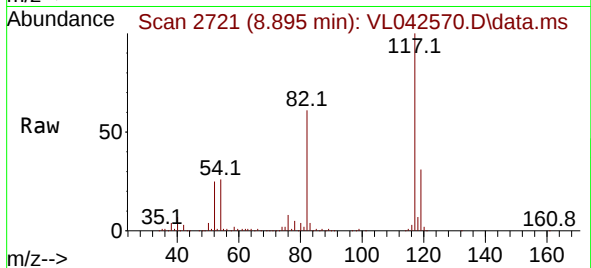
Tgt Ion:117 Resp: 267167

Ion Ratio Lower Upper

117 100

82 61.4 51.0 76.4

119 33.2 27.0 40.4



#56

1,1,1,2-Tetrachloroethane

Concen: 0.503 ppbv

RT: 8.937 min Scan# 2734

Delta R.T. 0.006 min

Lab File: VL042570.D

Acq: 21 May 2025 17:25

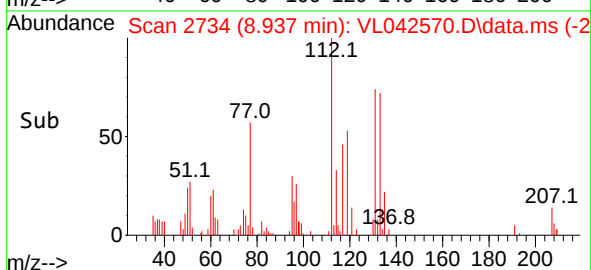
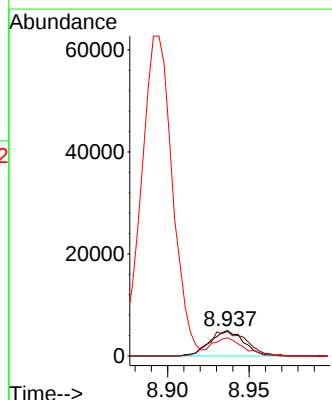
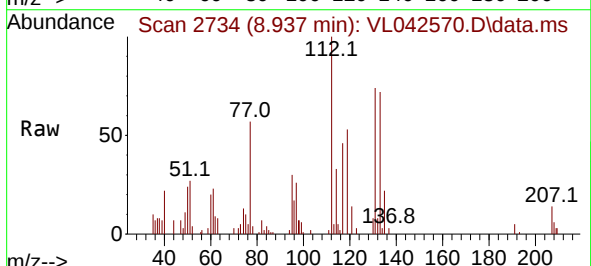
Tgt Ion:131 Resp: 7163

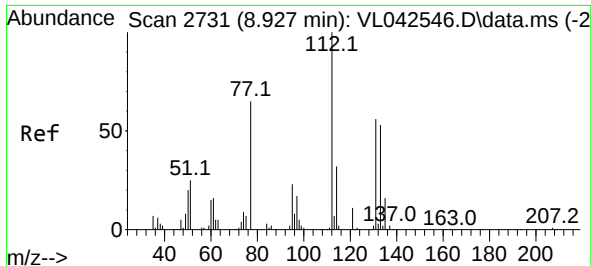
Ion Ratio Lower Upper

131 100

133 108.5 76.3 114.5

119 1238.0 47.5 71.3#





#57

Chlorobenzene

Concen: 0.453 ppbv

RT: 8.930 min Scan# 21

Delta R.T. 0.003 min

Lab File: VL042570.D

Acq: 21 May 2025 17:25

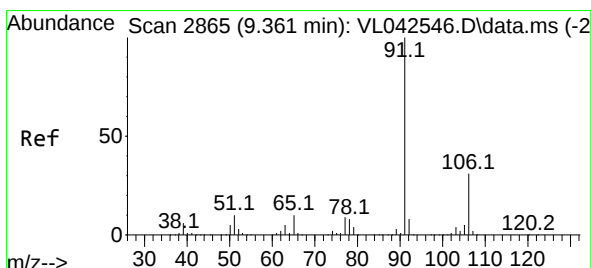
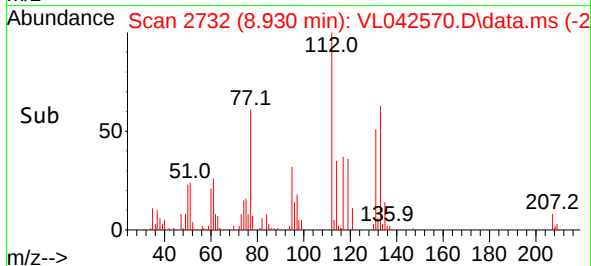
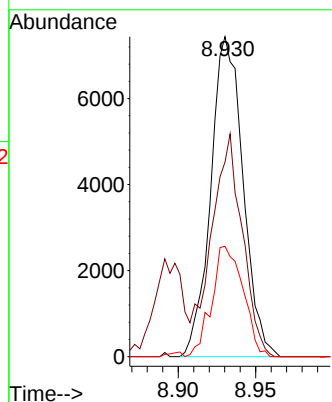
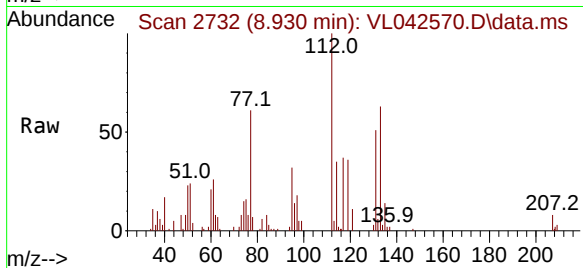
Instrument :

MSVOA_L

ClientSampleId :

MDL 0.40

Tgt Ion:	112	Resp:	10782
Ion Ratio	Lower	Upper	
112	100		
77	60.8	53.2	79.8
114	34.5	28.4	34.8



#58

Ethyl Benzene

Concen: 0.227 ppbv

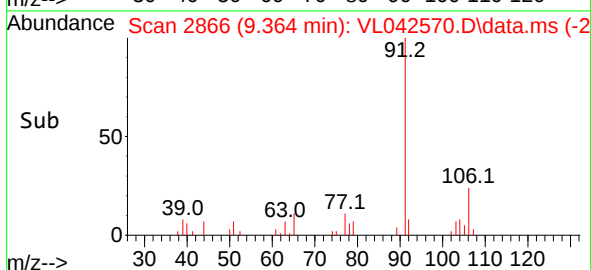
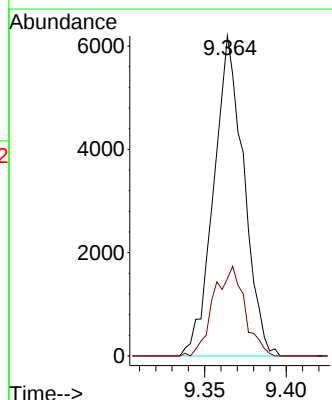
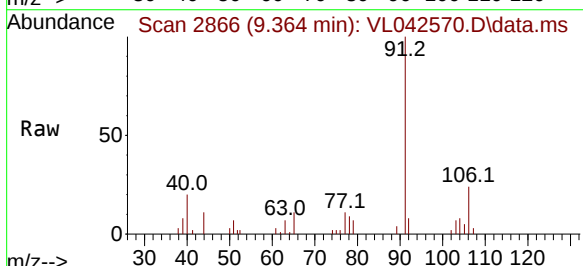
RT: 9.364 min Scan# 2866

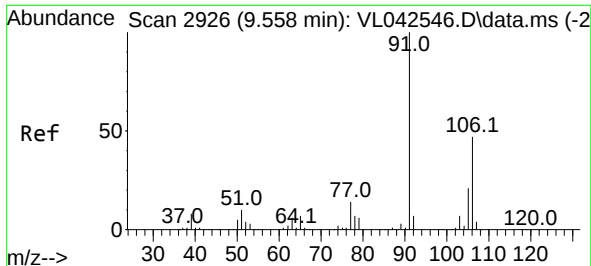
Delta R.T. 0.003 min

Lab File: VL042570.D

Acq: 21 May 2025 17:25

Tgt Ion:	91	Resp:	7923
Ion Ratio	Lower	Upper	
91	100		
106	24.2	24.6	37.0#





#59

m/p-Xylene

Concen: 0.163 ppbv

RT: 9.565 min Scan# 2926

Delta R.T. 0.006 min

Lab File: VL042570.D

Acq: 21 May 2025 17:25

Instrument :

MSVOA_L

ClientSampleId :

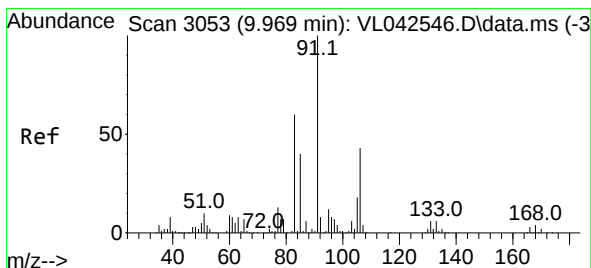
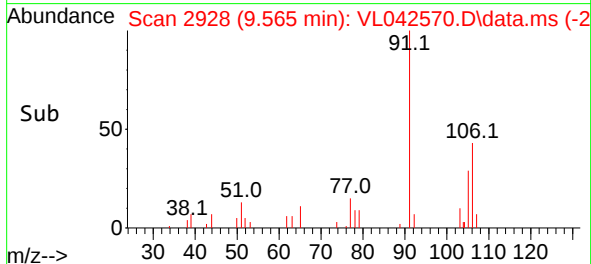
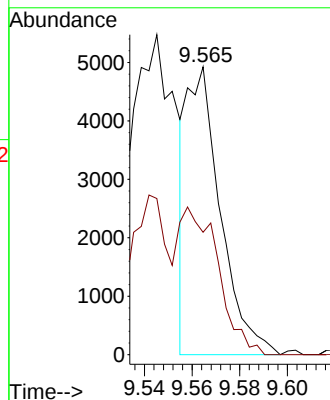
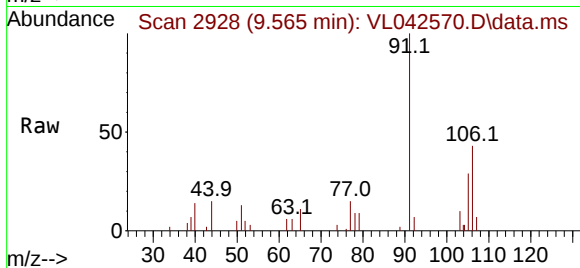
MDL 0.40

Tgt Ion: 91 Resp: 4866

Ion Ratio Lower Upper

91 100

106 0.0 37.1 55.7#



#60

o-Xylene

Concen: 0.205 ppbv

RT: 9.969 min Scan# 3053

Delta R.T. -0.000 min

Lab File: VL042570.D

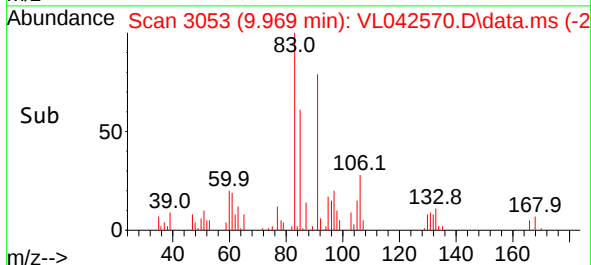
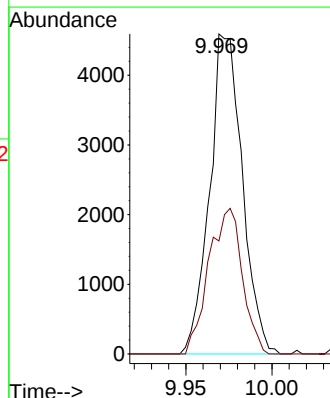
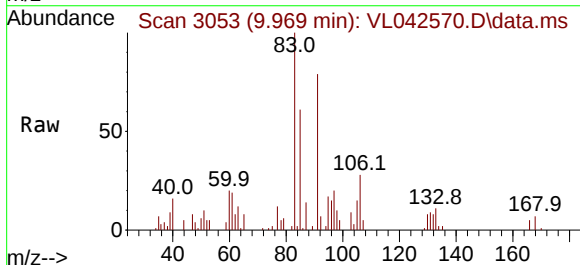
Acq: 21 May 2025 17:25

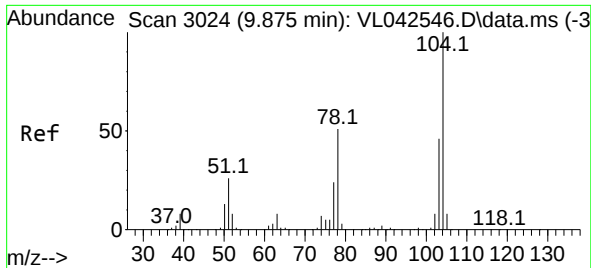
Tgt Ion: 91 Resp: 6066

Ion Ratio Lower Upper

91 100

106 46.8 21.6 64.8





#61

Styrene

Concen: 0.208 ppbv

RT: 9.882 min Scan# 3024

Delta R.T. 0.006 min

Lab File: VL042570.D

Acq: 21 May 2025 17:25

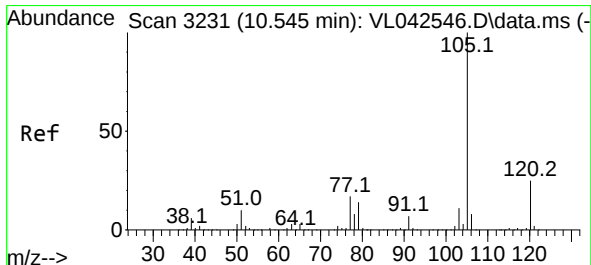
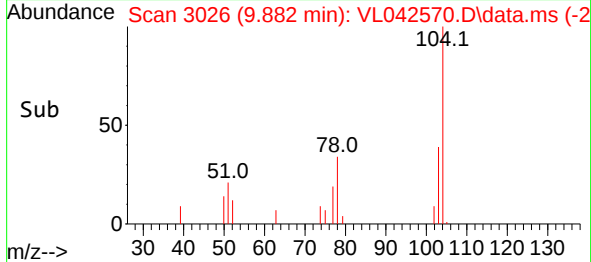
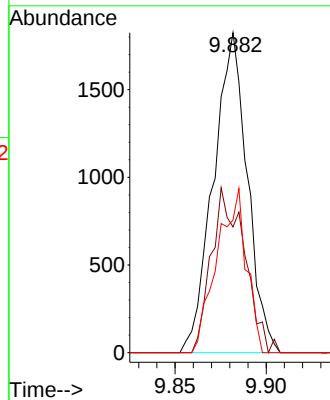
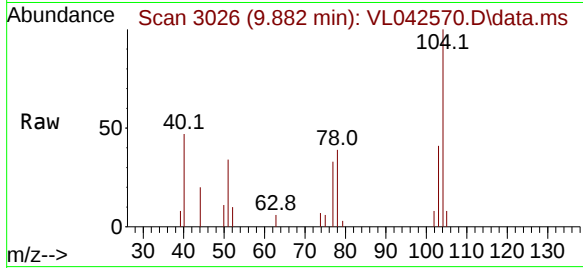
Instrument :

MSVOA_L

ClientSampleId :

MDL 0.40

Tgt Ion:104	Resp:	2361
Ion Ratio	Lower	Upper
104	100	
78	50.3	39.2 58.8
103	44.4	37.1 55.7



#62

Isopropylbenzene

Concen: 0.269 ppbv

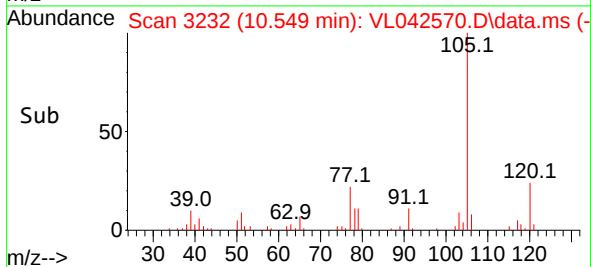
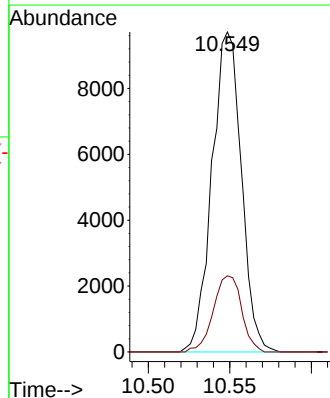
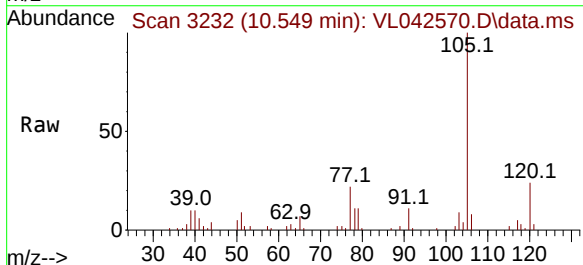
RT: 10.549 min Scan# 3232

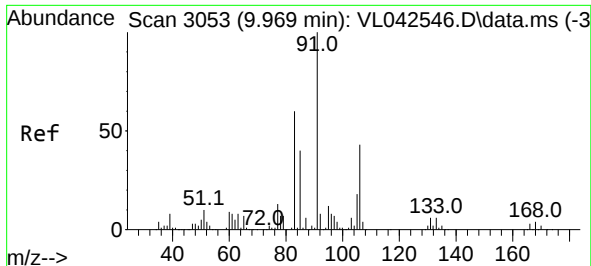
Delta R.T. 0.003 min

Lab File: VL042570.D

Acq: 21 May 2025 17:25

Tgt Ion:105	Resp:	12162
Ion Ratio	Lower	Upper
105	100	
120	22.9	20.0 30.0





#63

1,1,2,2-Tetrachloroethane

Concen: 0.467 ppbv

RT: 9.972 min Scan# 3054

Delta R.T. 0.003 min

Lab File: VL042570.D

Acq: 21 May 2025 17:25

Instrument :

MSVOA_L

ClientSampleId :

MDL 0.40

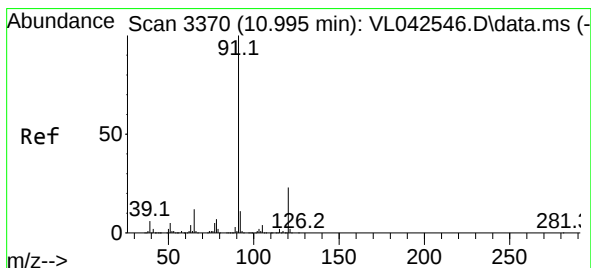
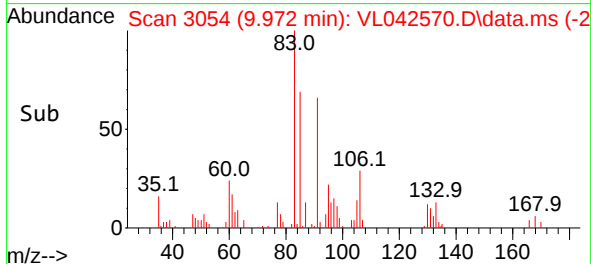
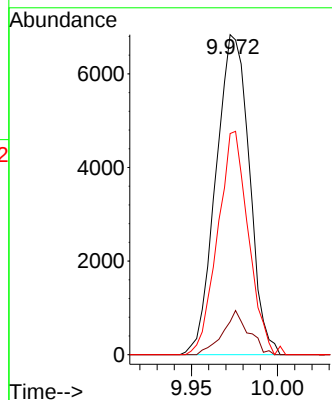
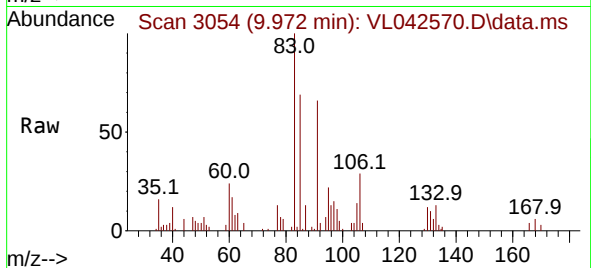
Tgt Ion: 83 Resp: 9237

Ion Ratio Lower Upper

83 100

131 10.7 5.1 15.3

85 64.2 32.5 97.4



#64

n-propylbenzene

Concen: 0.225 ppbv

RT: 10.998 min Scan# 3371

Delta R.T. 0.003 min

Lab File: VL042570.D

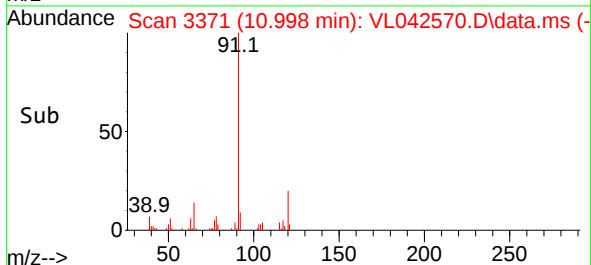
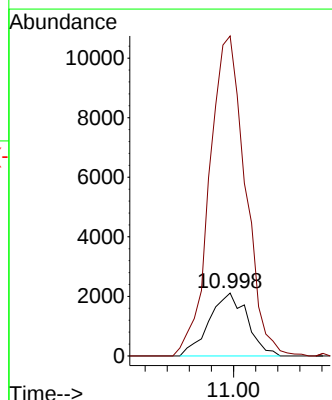
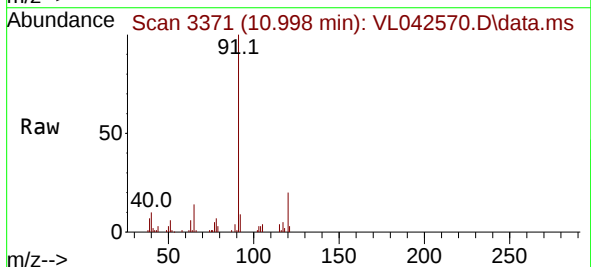
Acq: 21 May 2025 17:25

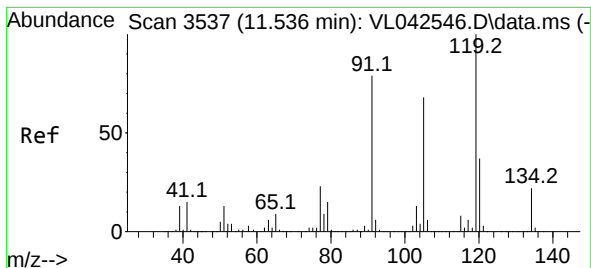
Tgt Ion: 120 Resp: 2532

Ion Ratio Lower Upper

120 100

91 479.2 367.0 550.4





#65

tert-Butylbenzene

Concen: 0.211 ppbv

RT: 11.536 min Scan# 3537

Delta R.T. -0.000 min

Lab File: VL042570.D

Acq: 21 May 2025 17:25

Instrument :

MSVOA_L

ClientSampleId :

MDL 0.40

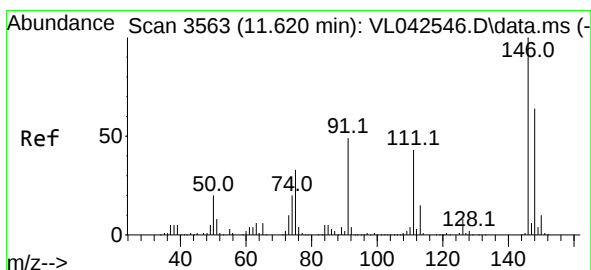
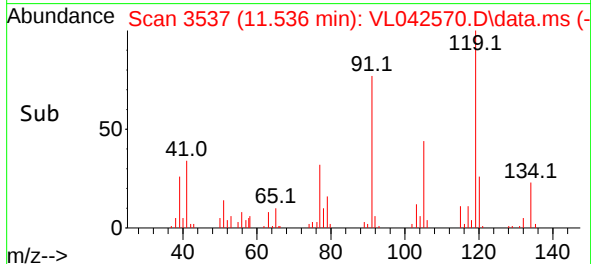
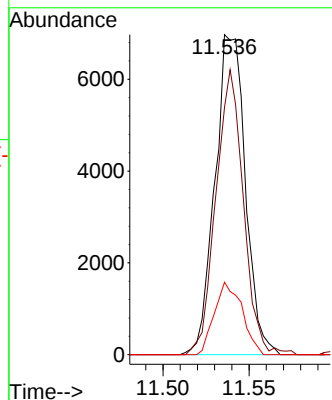
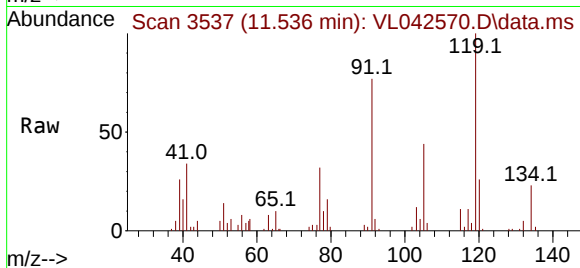
Tgt Ion:119 Resp: 8573

Ion Ratio Lower Upper

119 100

91 80.5 62.7 94.1

134 20.6 16.8 25.2



#66

Benzyl Chloride

Concen: 0.370 ppbv

RT: 11.626 min Scan# 3565

Delta R.T. 0.006 min

Lab File: VL042570.D

Acq: 21 May 2025 17:25

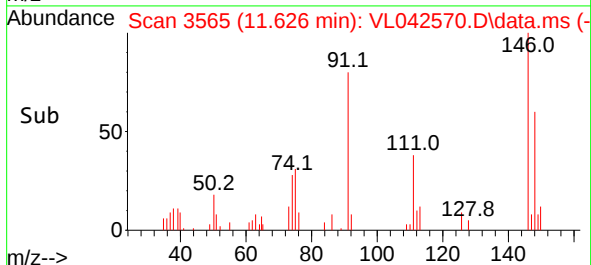
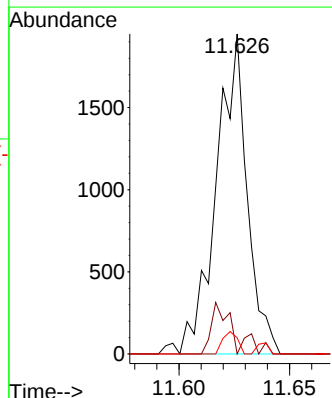
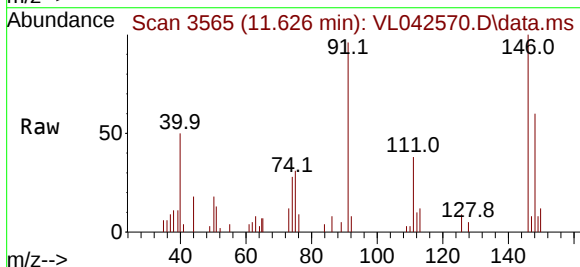
Tgt Ion: 91 Resp: 1884

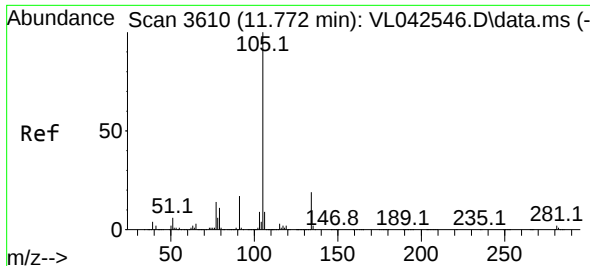
Ion Ratio Lower Upper

91 100

126 11.8 14.2 21.2#

128 4.7 4.6 6.8

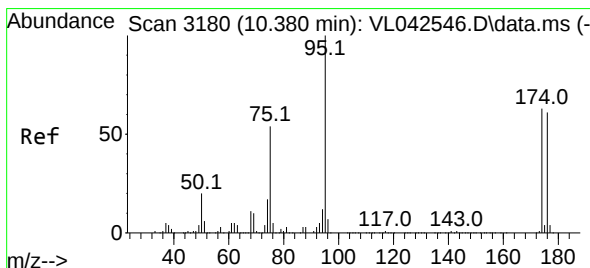
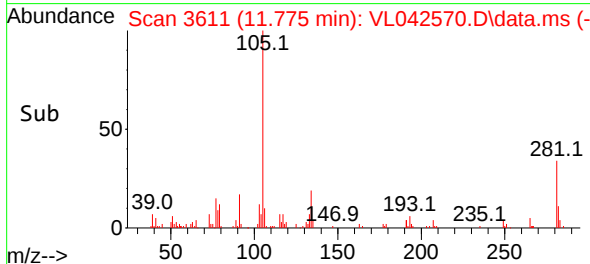
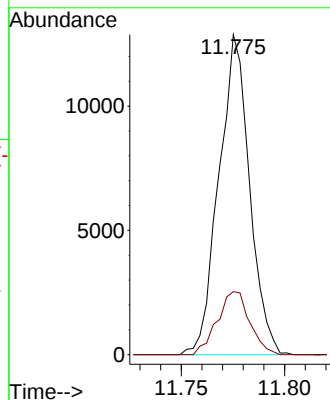
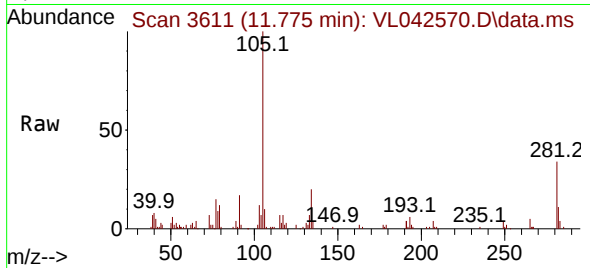




#67
 sec-Butylbenzene
 Concen: 0.231 ppbv
 RT: 11.775 min Scan# 3611
 Delta R.T. 0.003 min
 Lab File: VL042570.D
 Acq: 21 May 2025 17:25

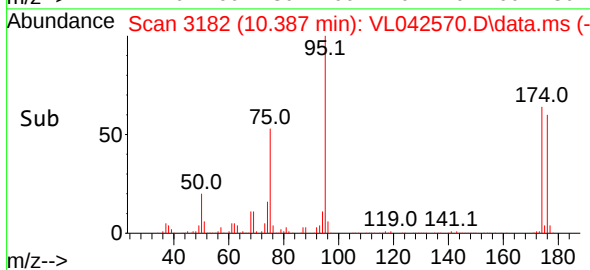
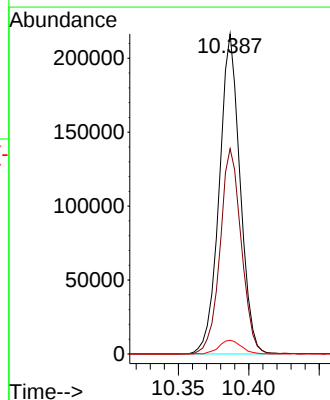
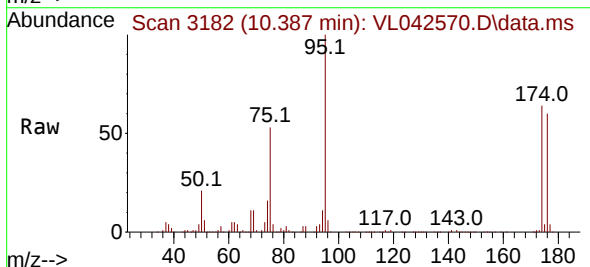
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL 0.40

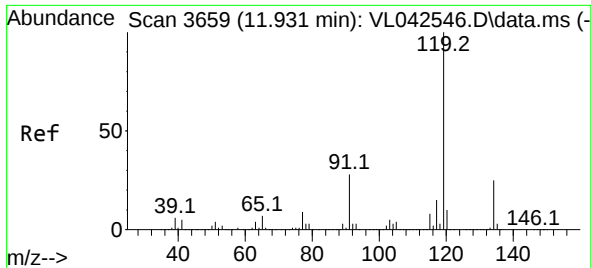
Tgt Ion:105 Resp: 13285
 Ion Ratio Lower Upper
 105 100
 134 20.8 15.4 23.2



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.423 ppbv
 RT: 10.387 min Scan# 3182
 Delta R.T. 0.006 min
 Lab File: VL042570.D
 Acq: 21 May 2025 17:25

Tgt Ion: 95 Resp: 222860
 Ion Ratio Lower Upper
 95 100
 174 65.6 52.0 78.0
 175 4.6 3.8 5.6

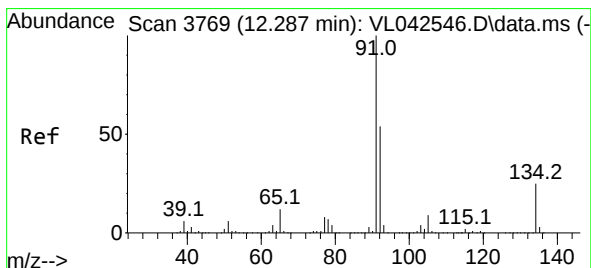
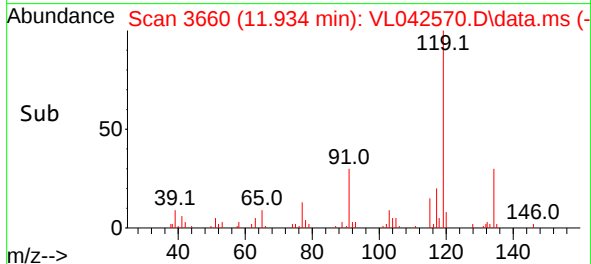
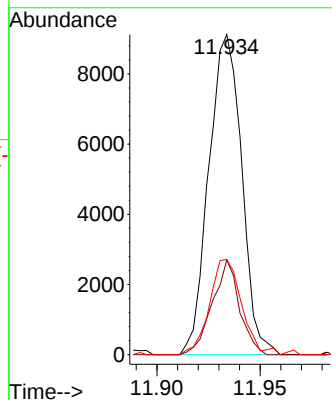
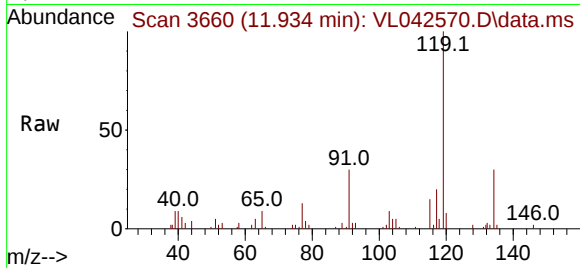




#69
p-Isopropyltoluene
Concen: 0.213 ppbv
RT: 11.934 min Scan# 3660
Delta R.T. 0.003 min
Lab File: VL042570.D
Acq: 21 May 2025 17:25

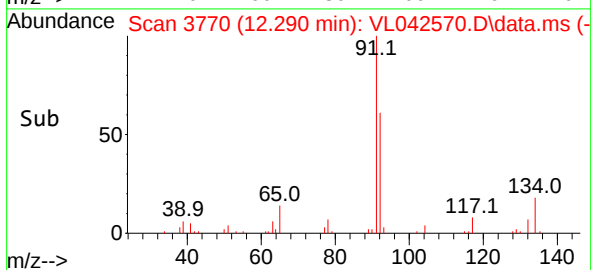
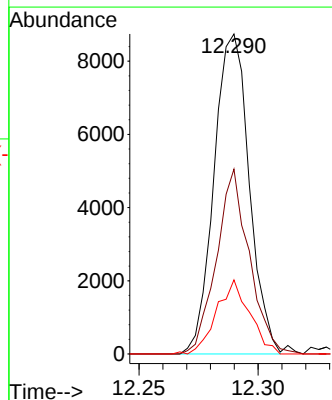
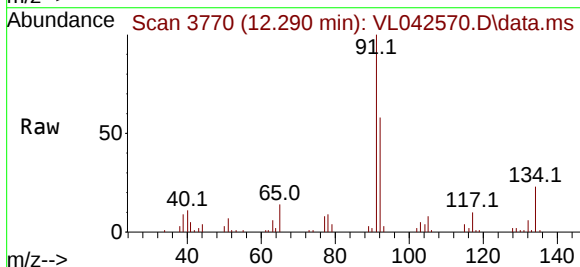
Instrument :
MSVOA_L
ClientSampleId :
MDL 0.40

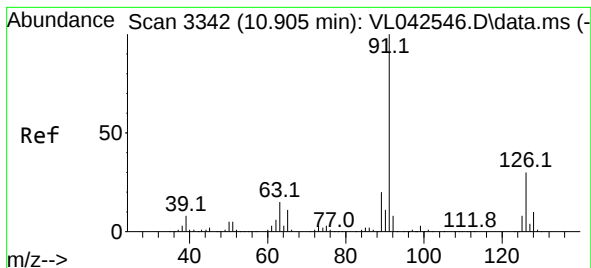
Tgt Ion:	119	Resp:	10116
Ion	Ratio	Lower	Upper
119	100		
134	24.3	20.1	30.1
91	29.4	22.3	33.5



#70
n-Butylbenzene
Concen: 0.200 ppbv
RT: 12.290 min Scan# 3770
Delta R.T. 0.003 min
Lab File: VL042570.D
Acq: 21 May 2025 17:25

Tgt Ion:	91	Resp:	8971
Ion	Ratio	Lower	Upper
91	100		
92	53.9	43.8	65.6
134	21.8	19.7	29.5





#71

2-Chlorotoluene

Concen: 0.237 ppbv

RT: 10.908 min Scan# 31

Delta R.T. 0.003 min

Lab File: VL042570.D

Acq: 21 May 2025 17:25

Instrument :

MSVOA_L

ClientSampleId :

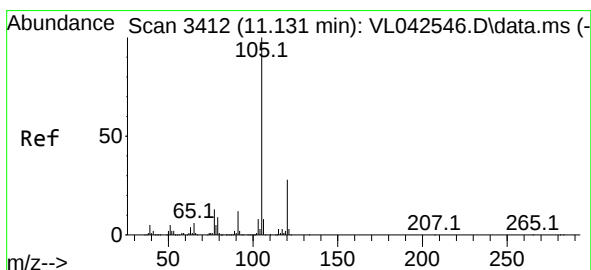
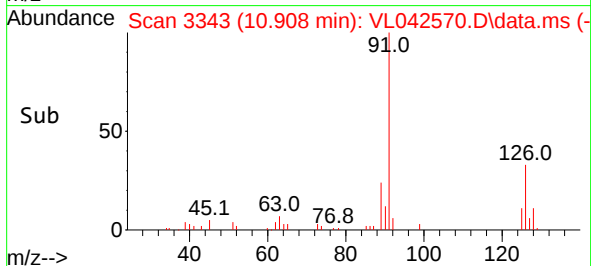
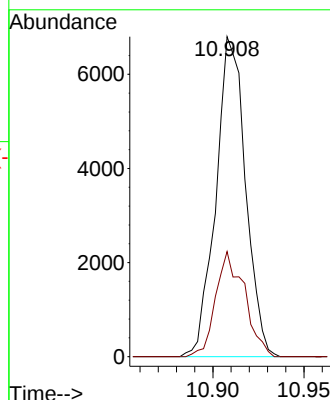
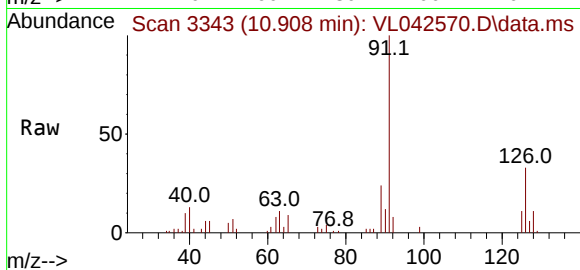
MDL 0.40

Tgt Ion: 91 Resp: 7715

Ion Ratio Lower Upper

91 100

126 32.0 12.4 49.4



#72

4-Ethyltoluene

Concen: 0.194 ppbv

RT: 11.134 min Scan# 3413

Delta R.T. 0.003 min

Lab File: VL042570.D

Acq: 21 May 2025 17:25

Tgt Ion: 105 Resp: 7070

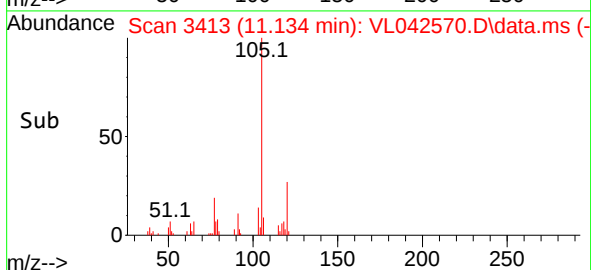
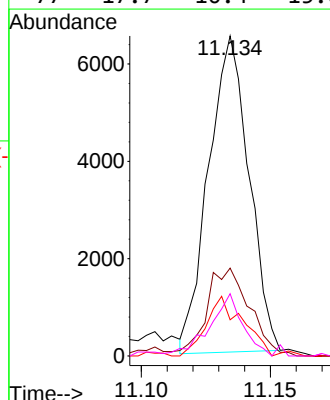
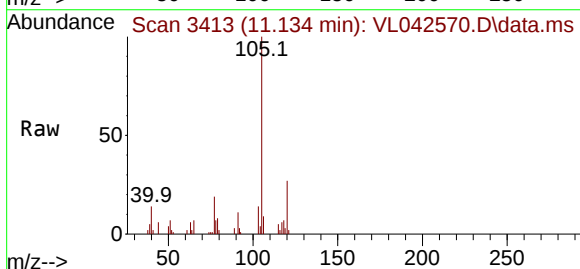
Ion Ratio Lower Upper

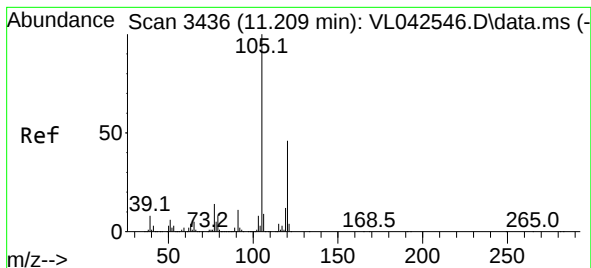
105 100

120 31.3 23.4 35.0

91 18.3 10.2 15.4#

77 17.7 10.4 15.6#





#73

1,3,5-Trimethylbenzene

Concen: 0.206 ppbv

RT: 11.212 min Scan# 3436

Delta R.T. 0.003 min

Lab File: VL042570.D

Acq: 21 May 2025 17:25

Instrument :

MSVOA_L

ClientSampleId :

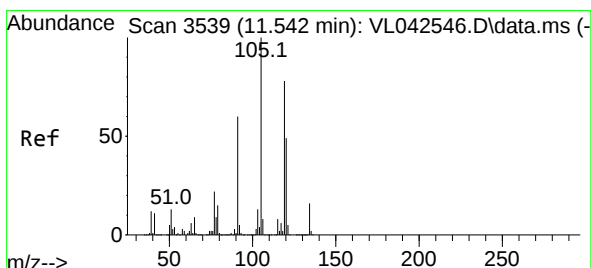
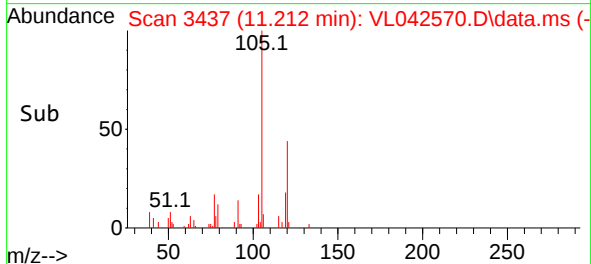
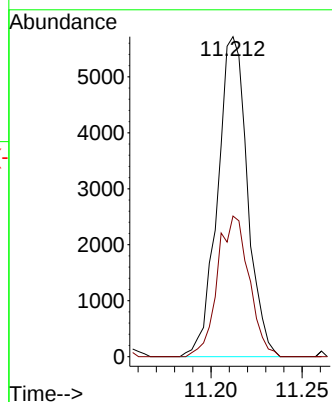
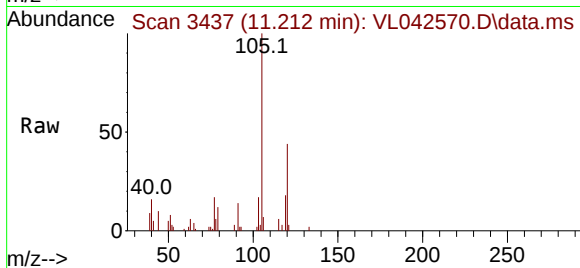
MDL 0.40

Tgt Ion:105 Resp: 6524

Ion Ratio Lower Upper

105 100

120 43.9 36.5 54.7



#74

1,2,4-Trimethylbenzene

Concen: 0.203 ppbv

RT: 11.545 min Scan# 3540

Delta R.T. 0.003 min

Lab File: VL042570.D

Acq: 21 May 2025 17:25

Tgt Ion:105 Resp: 7735

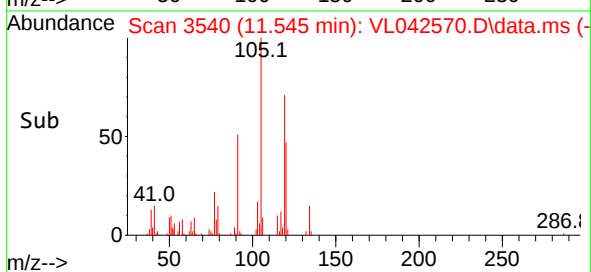
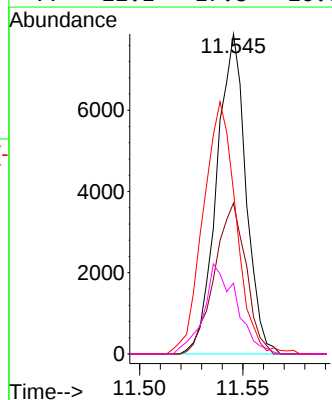
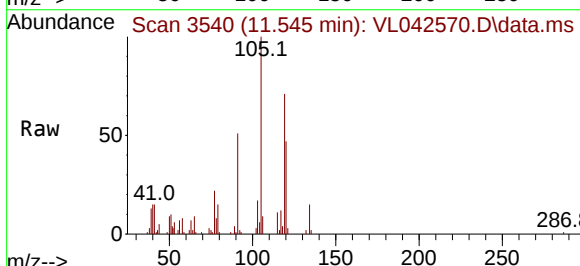
Ion Ratio Lower Upper

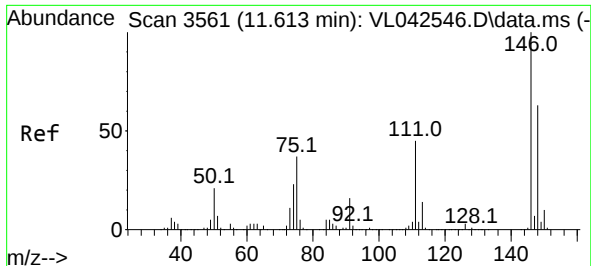
105 100

120 47.2 39.4 59.0

91 49.8 47.8 71.8

77 22.1 17.8 26.6

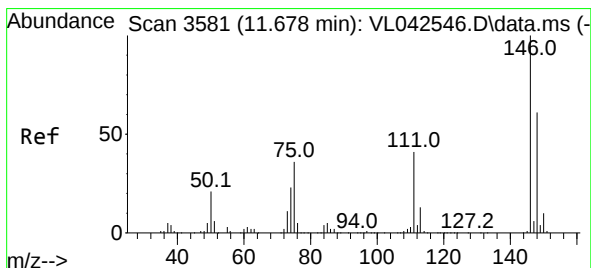
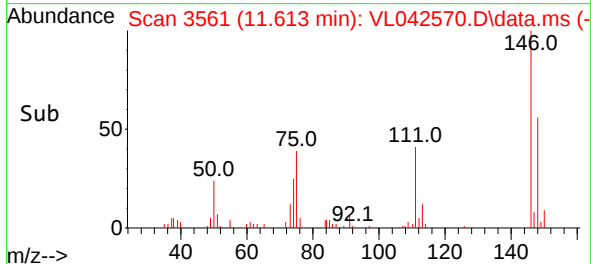
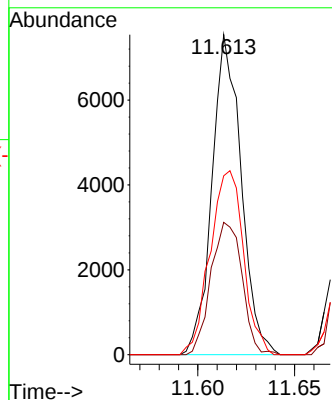
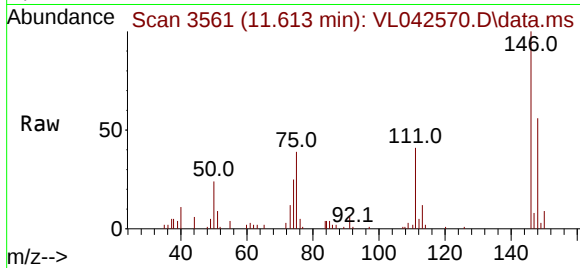




#75
1,3-Dichlorobenzene
Concen: 0.336 ppbv
RT: 11.613 min Scan# 3561
Delta R.T. -0.000 min
Lab File: VL042570.D
Acq: 21 May 2025 17:25

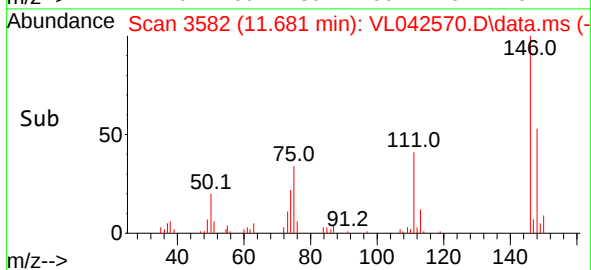
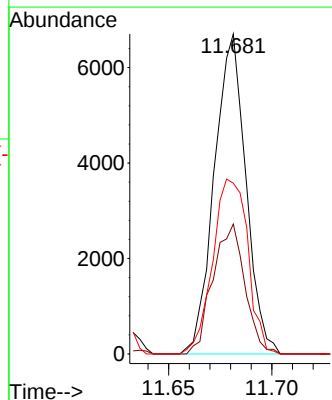
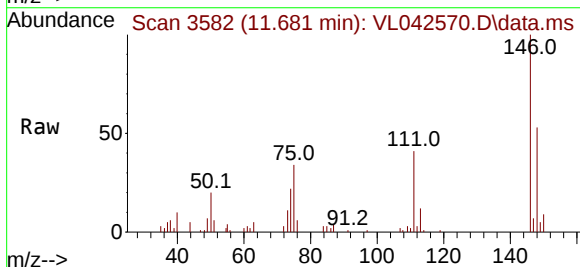
Instrument :
MSVOA_L
ClientSampleId :
MDL 0.40

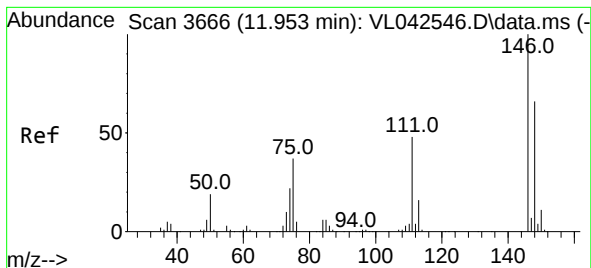
Tgt Ion:146 Resp: 7891
Ion Ratio Lower Upper
146 100
111 44.3 22.8 68.4
148 66.0 31.6 94.8



#76
1,4-Dichlorobenzene
Concen: 0.312 ppbv
RT: 11.681 min Scan# 3582
Delta R.T. 0.003 min
Lab File: VL042570.D
Acq: 21 May 2025 17:25

Tgt Ion:146 Resp: 7115
Ion Ratio Lower Upper
146 100
111 41.2 21.8 65.3
148 60.9 31.4 94.3





#77

1,2-Dichlorobenzene

Concen: 0.367 ppbv

RT: 11.956 min Scan# 3

Delta R.T. 0.003 min

Lab File: VL042570.D

Acq: 21 May 2025 17:25

Instrument :

MSVOA_L

ClientSampleId :

MDL 0.40

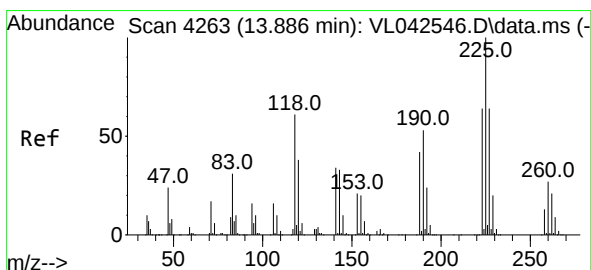
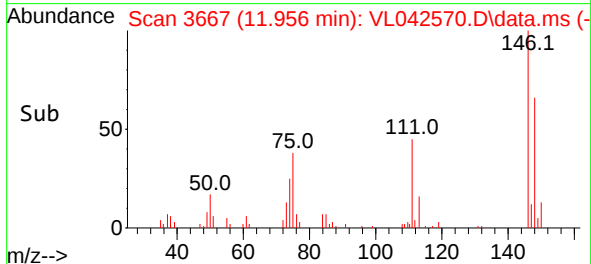
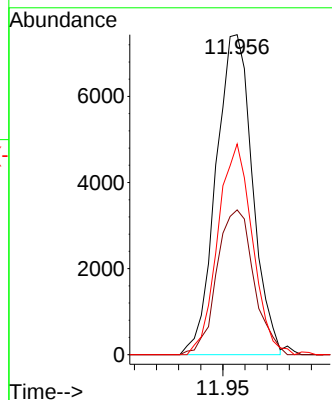
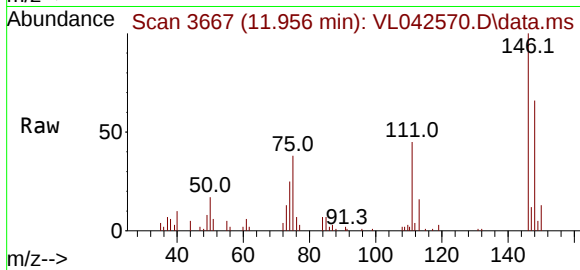
Tgt Ion:146 Resp: 8507

Ion Ratio Lower Upper

146 100

111 45.9 23.7 71.1

148 62.7 32.3 96.9



#78

Hexachloro-1,3-Butadiene

Concen: 0.443 ppbv

RT: 13.889 min Scan# 4264

Delta R.T. 0.003 min

Lab File: VL042570.D

Acq: 21 May 2025 17:25

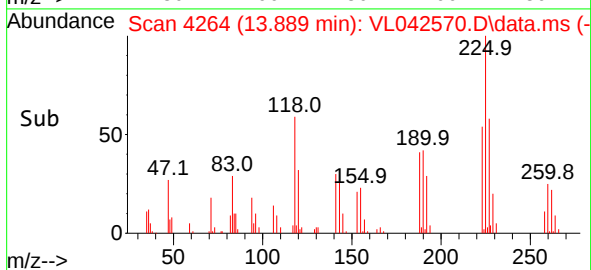
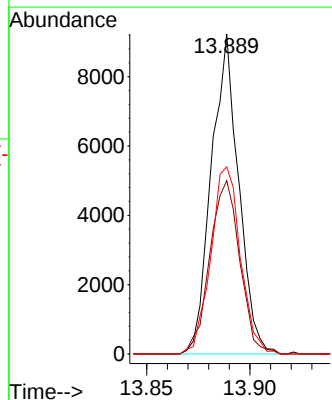
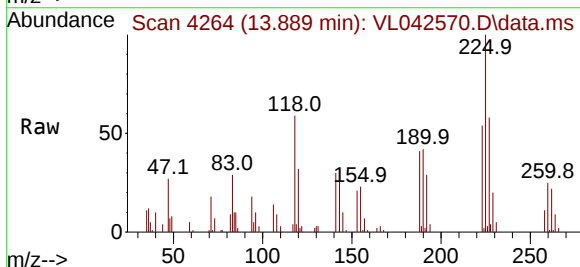
Tgt Ion:225 Resp: 8485

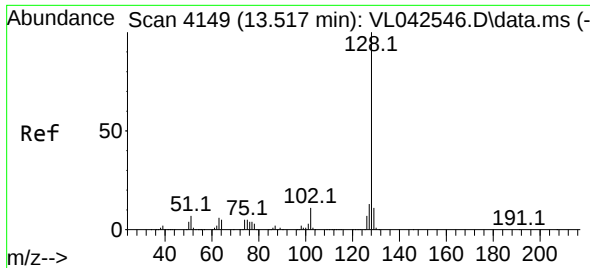
Ion Ratio Lower Upper

225 100

223 59.6 51.0 76.6

227 63.5 50.2 75.4

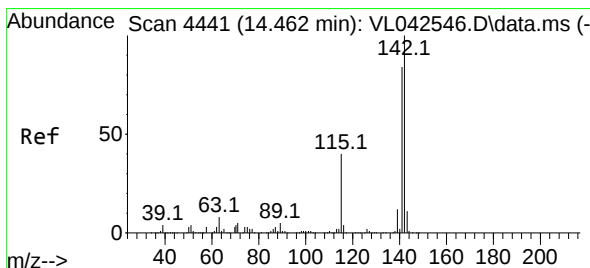
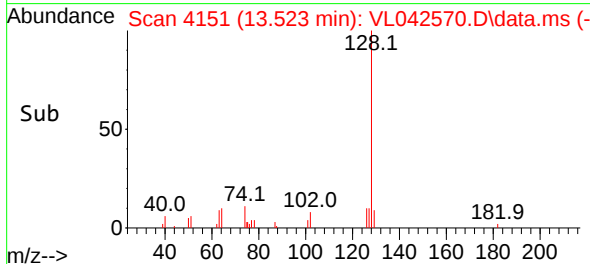
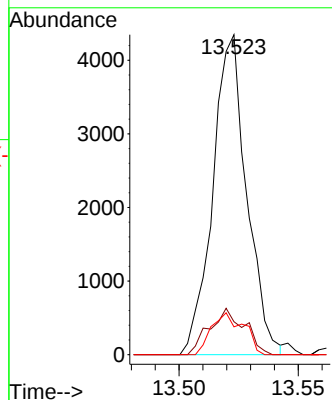
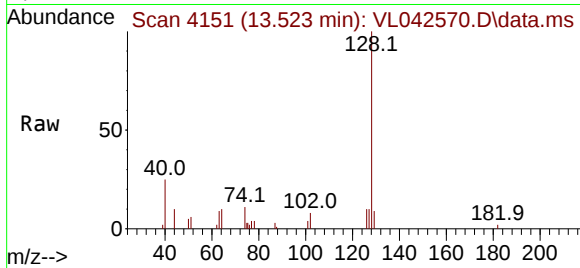




#79
Naphthalene
Concen: 0.151 ppbv
RT: 13.523 min Scan# 4149
Delta R.T. 0.006 min
Lab File: VL042570.D
Acq: 21 May 2025 17:25

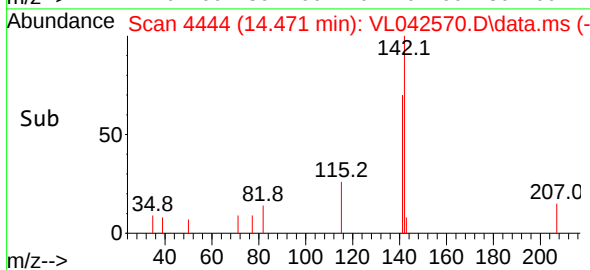
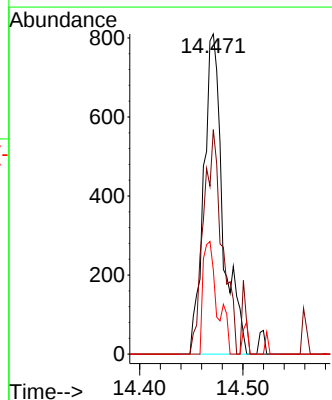
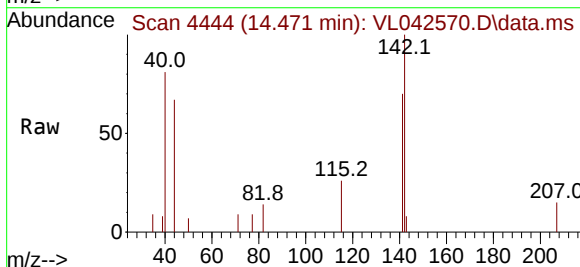
Instrument :
MSVOA_L
ClientSampleId :
MDL 0.40

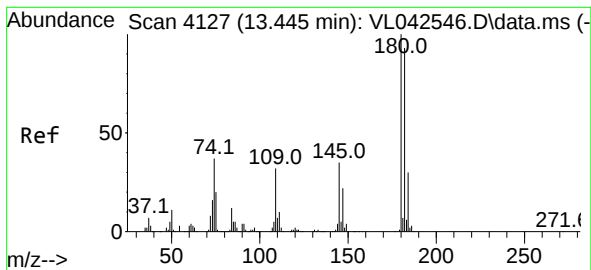
Tgt Ion:128 Resp: 4300
Ion Ratio Lower Upper
128 100
127 10.3 10.5 15.7#
129 8.7 9.0 13.4#



#80
Naphthalene,2-methyl-
Concen: 0.073 ppbv
RT: 14.471 min Scan# 4444
Delta R.T. 0.010 min
Lab File: VL042570.D
Acq: 21 May 2025 17:25

Tgt Ion:142 Resp: 1067
Ion Ratio Lower Upper
142 100
141 72.3 67.4 101.0
115 25.9 31.5 47.3#





#81

1,2,4-Trichlorobenzene

Concen: 0.184 ppbv

RT: 13.445 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL042570.D

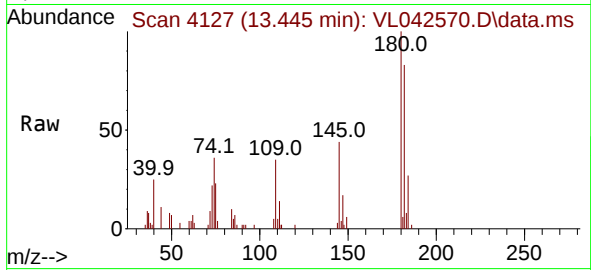
Acq: 21 May 2025 17:25

Instrument :

MSVOA_L

ClientSampleId :

MDL 0.40



Tgt Ion:180 Resp: 3149

Ion Ratio Lower Upper

180 100

182 93.3 75.6 113.4

184 30.5 23.7 35.5

