

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052125\
 Data File : VL042559.D
 Acq On : 21 May 2025 10:55
 Operator : SY/MD
 Sample : MDL 0.03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL 0.03

Quant Time: May 21 23:01:20 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	2.790	49	115172	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	372575	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	320319	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	251528	9.811	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.100%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.554	85	671	0.031	ppbv	97
3) Chlorodifluoromethane	1.476	51	662	0.037	ppbv	94
4) Chloromethane	1.534	50	368	0.053	ppbv #	74
5) Vinyl Chloride	1.580	62	334	0.044	ppbv #	65
6) Bromomethane	1.664	94	196	0.045	ppbv #	44
7) Chloroethane	1.706	64	120	0.039	ppbv #	44
8) Dichlorotetrafluoroethane	1.554	85	671	0.037	ppbv	86
9) Propene	1.486	41	271	0.044	ppbv	94
10) Heptane	4.988	43	171	0.011	ppbv #	24
11) Trichlorofluoromethane	2.140	101	666	0.030	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.140	101	666	0.037	ppbv	90
13) Ethanol	1.890	45	795	0.889	ppbv #	37
14) Bromoethene	1.784	108	252	0.037	ppbv #	68
15) Acetone	1.839	43	2114	0.132	ppbv	95
16) 1,3-Butadiene	1.612	39	179	0.027	ppbv #	48
17) tert-Butyl alcohol	2.049	59	783	0.042	ppbv #	91
18) 1,1-Dichloroethene	2.334	96	109	0.013	ppbv	85
19) Isopropyl Alcohol	1.890	45	795	0.087	ppbv #	33
20) Methylene Chloride	2.065	84	1550	0.199	ppbv #	87
21) Allyl Chloride	2.098	41	658	0.064	ppbv #	77
22) trans-1,2-Dichloroethene	2.340	96	160	0.018	ppbv	95
23) Vinyl Acetate	2.467	43	1050	0.057	ppbv #	67
24) 1,1-Dichloroethane	2.412	63	817	0.052	ppbv #	86
25) Ethyl Acetate	2.848	43	810	0.026	ppbv #	88
26) Hexane	2.829	57	446	0.032	ppbv #	79
27) Carbon Disulfide	2.149	76	647	0.032	ppbv #	1
28) Methyl tert-Butyl Ether	2.444	73	360	0.038	ppbv	96
29) Chloroform	2.848	83	985	0.037	ppbv	94
30) Cyclohexane	3.858	84	219	0.018	ppbv #	2
31) cis-1,2-Dichloroethene	2.725	61	192	0.012	ppbv	94
32) 1,1,1-Trichloroethane	3.376	97	308	0.011	ppbv #	1
34) 2-Butanone	2.570	43	1136	0.057	ppbv	93
35) Carbon Tetrachloride	3.764	117	310	0.011	ppbv #	25
36) Benzene	3.661	78	1120	0.037	ppbv	96
37) 1,2-Dichloroethane	3.227	62	665	0.036	ppbv #	80
38) Trichloroethene	4.548	130	248	0.018	ppbv #	64
39) 1,2-Dichloropropane	3.962	63	86152	8.141	ppbv #	25
40) 1,4-Dioxane	4.629	88	34	0.007	ppbv #	1
41) Tetrahydrofuran	3.082	42	324	0.034	ppbv	93
42) Bromodichloromethane	4.493	83	718	0.028	ppbv #	79
43) Methyl Methacrylate	4.888	69	133	0.013	ppbv #	1
44) 2,2,4-Trimethylpentane	4.648	57	656	0.014	ppbv #	44
45) t-1,3-Dichloropropene	6.415	75	194	0.015	ppbv	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052125\
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 Sample : MDL 0.03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL 0.03

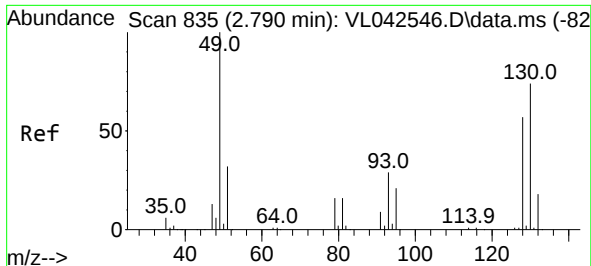
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052025AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed May 21 00:21:29 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
46) cis-1,3-Dichloropropene	5.603	75	212	0.013	ppbv	#	66
47) 1,1,2-Trichloroethane	6.587	97	107	0.008	ppbv	#	1
48) Dibromochloromethane	7.386	129	224	0.010	ppbv	#	10
49) Bromoform	9.484	173	332	0.018	ppbv	#	33
50) 4-Methyl-2-Pentanone	5.771	43	97	0.004	ppbv	#	37
51) 2-Hexanone	7.461	43	294	0.017	ppbv	#	62
52) Tetrachloroethene	8.218	164	71	0.006	ppbv	#	43
53) Toluene	6.936	91	176	0.005	ppbv	#	21
54) 1,2-Dibromoethane	7.661	107	161	0.009	ppbv		98
56) 1,1,1,2-Tetrachloroethane	8.937	131	202	0.012	ppbv	#	1
57) Chlorobenzene	8.924	112	1186	0.042	ppbv	#	80
58) Ethyl Benzene	9.364	91	983	0.023	ppbv	#	73
59) m/p-Xylene	9.558	91	431	0.012	ppbv	#	1
60) o-Xylene	9.966	91	472	0.013	ppbv	#	33
61) Styrene	9.878	104	109	0.008	ppbv	#	43
62) Isopropylbenzene	10.545	105	1227	0.023	ppbv	#	86
63) 1,1,2,2-Tetrachloroethane	9.969	83	902	0.038	ppbv		82
64) n-propylbenzene	10.998	120	268	0.020	ppbv		77
65) tert-Butylbenzene	11.536	119	934	0.019	ppbv	#	97
66) Benzyl Chloride	11.623	91	95	0.016	ppbv	#	65
67) sec-Butylbenzene	11.778	105	1288	0.019	ppbv	#	81
69) p-Isopropyltoluene	11.930	119	768	0.013	ppbv	#	72
70) n-Butylbenzene	12.287	91	722	0.013	ppbv		93
71) 2-Chlorotoluene	10.908	91	964	0.025	ppbv		95
72) 4-Ethyltoluene	11.134	105	661	0.015	ppbv	#	79
73) 1,3,5-Trimethylbenzene	11.209	105	789	0.021	ppbv	#	79
74) 1,2,4-Trimethylbenzene	11.539	105	1035	0.023	ppbv	#	89
75) 1,3-Dichlorobenzene	11.613	146	469	0.017	ppbv	#	13
76) 1,4-Dichlorobenzene	11.681	146	781	0.029	ppbv		96
77) 1,2-Dichlorobenzene	11.950	146	1034	0.037	ppbv		86
78) Hexachloro-1,3-Butadiene	13.882	225	1062	0.046	ppbv		90
79) Naphthalene	13.516	128	971	0.028	ppbv	#	69
80) Naphthalene,2-methyl-	14.468	142	442	0.025	ppbv	#	88
81) 1,2,4-Trichlorobenzene	13.445	180	608	0.030	ppbv	#	93

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

Quant Time: May 21 23:01:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052025AIR.M
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QLast Update : Wed May 21 00:21:29 2025
Response via : Initial Calibration

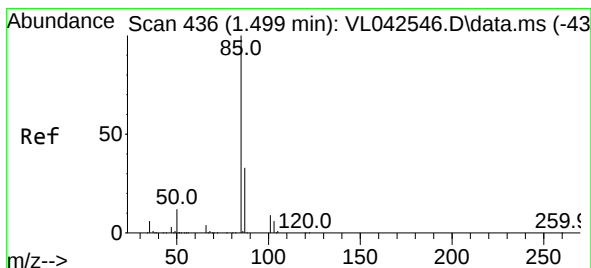
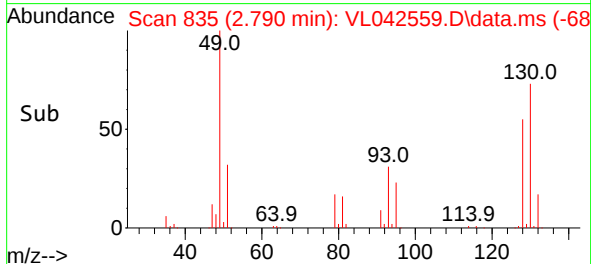
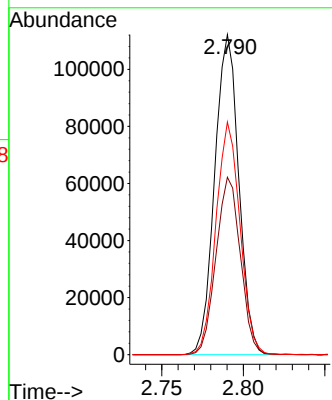
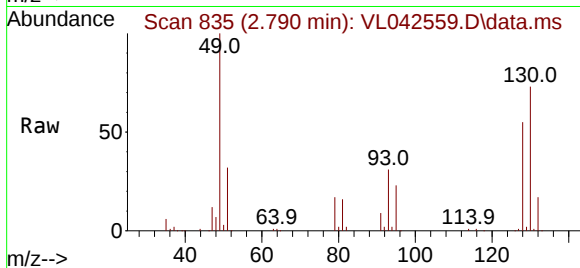




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 81
Delta R.T. 0.000 min
Lab File: VL042559.D
Acq: 21 May 2025 10:55

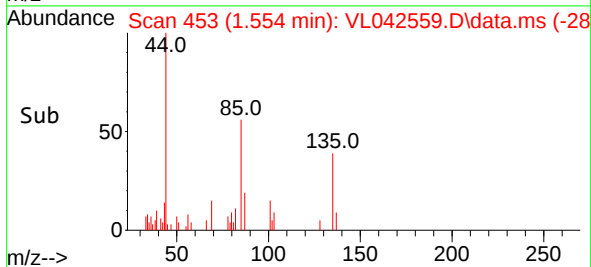
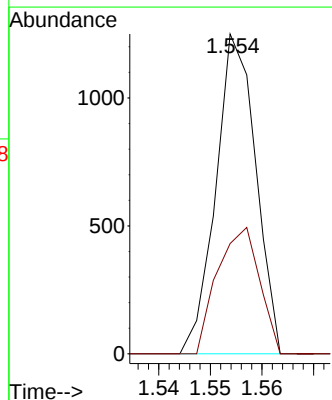
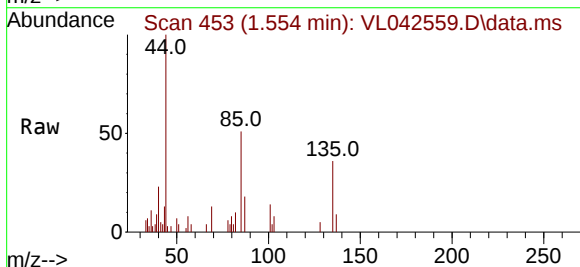
Instrument :
MSVOA_L
ClientSampleId :
MDL 0.03

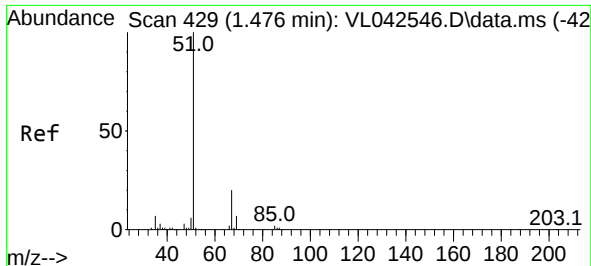
Tgt Ion: 49 Resp: 115172
Ion Ratio Lower Upper
49 100
128 56.0 28.6 85.8
130 72.5 36.6 109.8



#2
Dichlorodifluoromethane
Concen: 0.031 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.055 min
Lab File: VL042559.D
Acq: 21 May 2025 10:55

Tgt Ion: 85 Resp: 671
Ion Ratio Lower Upper
85 100
87 34.5 26.2 39.4

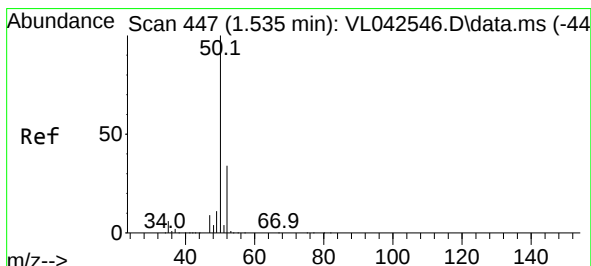
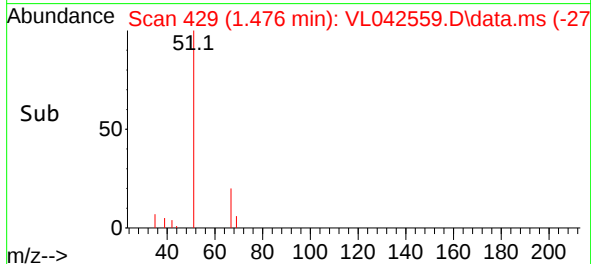
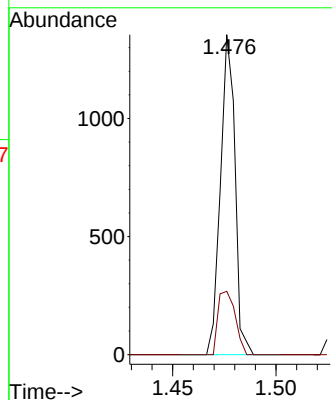
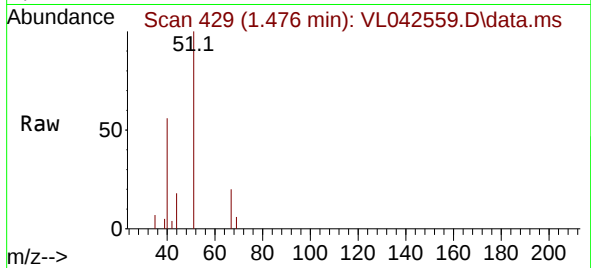




#3
Chlorodifluoromethane
Concen: 0.037 ppbv
RT: 1.476 min Scan# 429
Delta R.T. -0.000 min
Lab File: VL042559.D
Acq: 21 May 2025 10:55

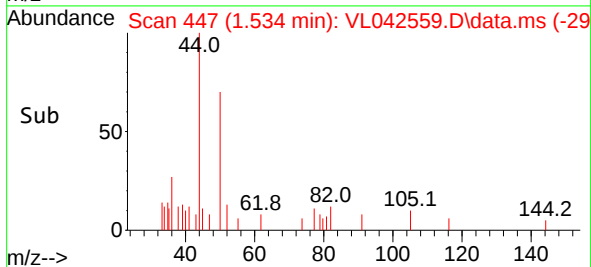
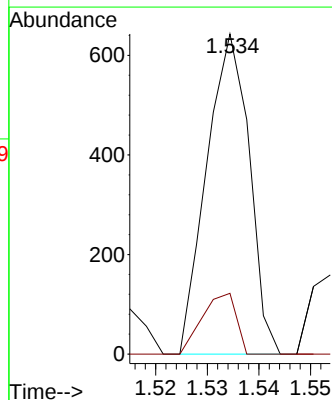
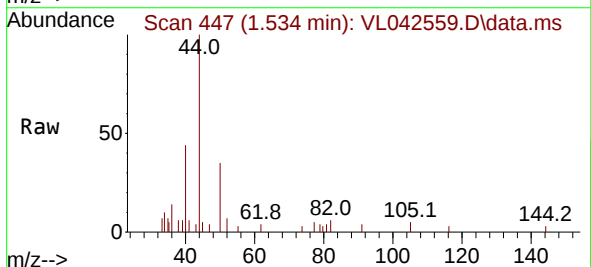
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MSVOA_L
ClientSampleId :
MDL 0.03

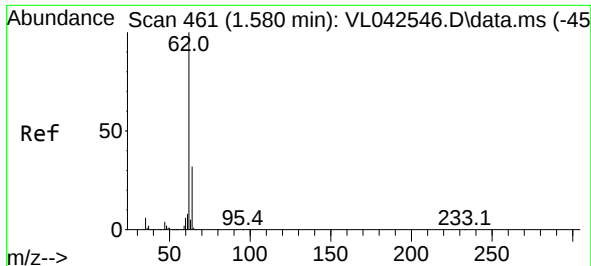
Tgt Ion: 51 Resp: 662
Ion Ratio Lower Upper
51 100
67 23.4 16.6 25.0



#4
Chloromethane
Concen: 0.053 ppbv
RT: 1.534 min Scan# 447
Delta R.T. -0.000 min
Lab File: VL042559.D
Acq: 21 May 2025 10:55

Tgt Ion: 50 Resp: 368
Ion Ratio Lower Upper
50 100
52 19.0 26.9 40.3#

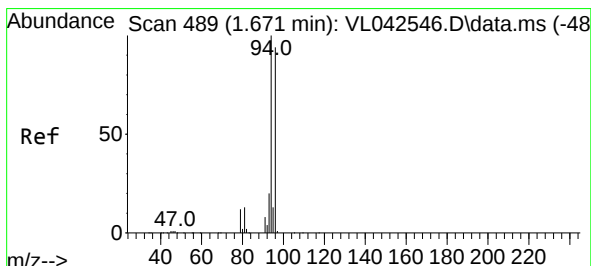
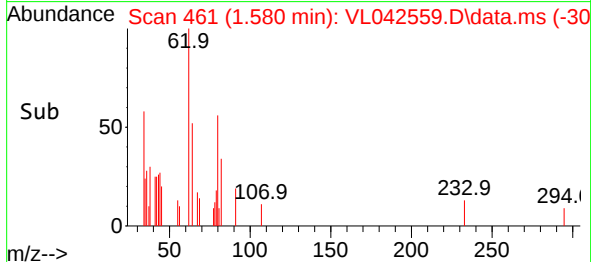
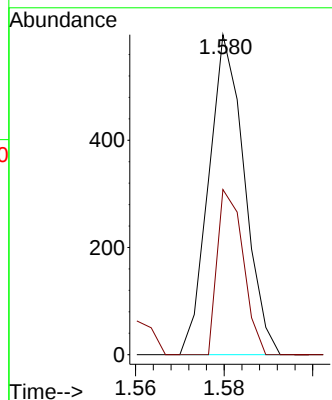
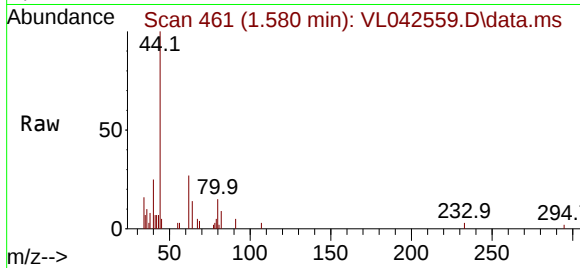




#5
 Vinyl Chloride
 Concen: 0.044 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. -0.000 min
 Lab File: VL042559.D
 Acq: 21 May 2025 10:55

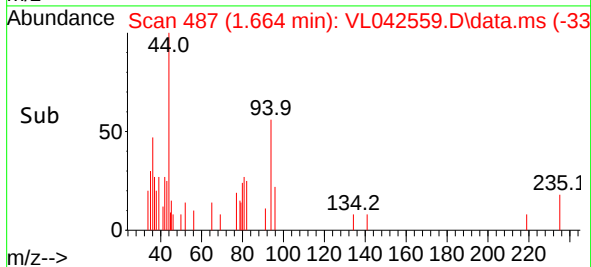
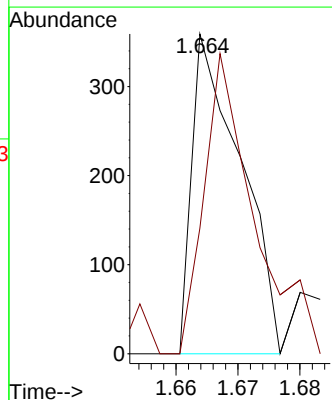
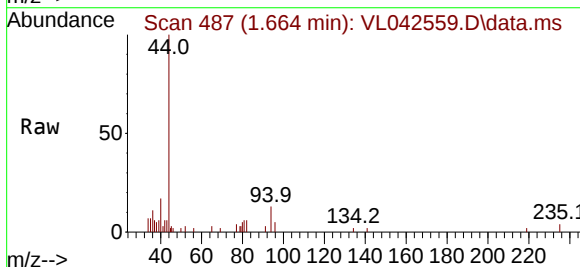
Instrument :
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 ClientSampleId :
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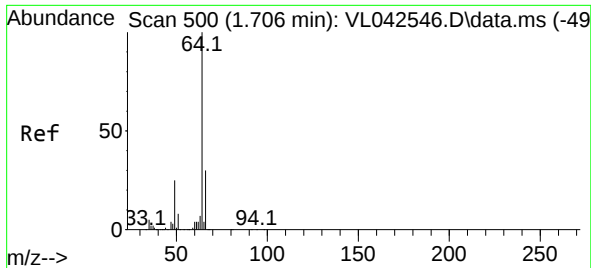
Tgt Ion: 62 Resp: 334
 Ion Ratio Lower Upper
 62 100
 64 51.6 25.7 38.5#



#6
 Bromomethane
 Concen: 0.045 ppbv
 RT: 1.664 min Scan# 487
 Delta R.T. -0.007 min
 Lab File: VL042559.D
 Acq: 21 May 2025 10:55

Tgt Ion: 94 Resp: 196
 Ion Ratio Lower Upper
 94 100
 96 39.3 74.9 112.3#

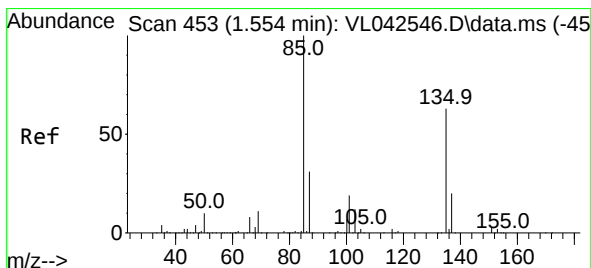
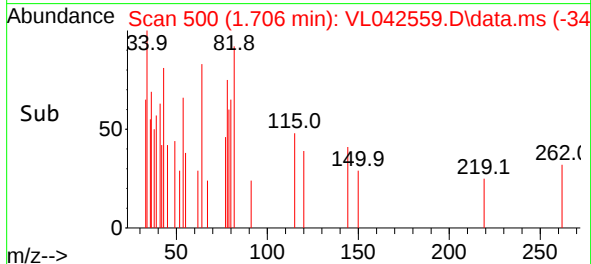
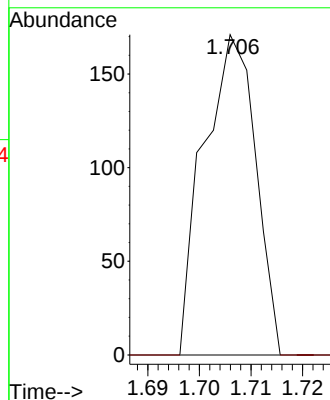
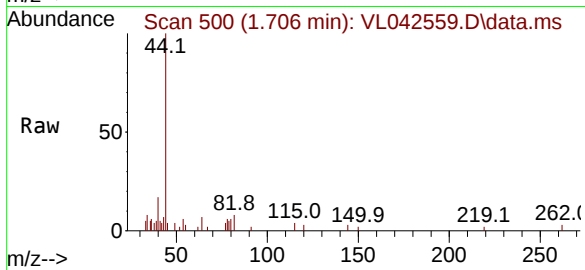




#7
Chloroethane
Concen: 0.039 ppbv
RT: 1.706 min Scan# 500
Delta R.T. -0.000 min
Lab File: VL042559.D
Acq: 21 May 2025 10:55

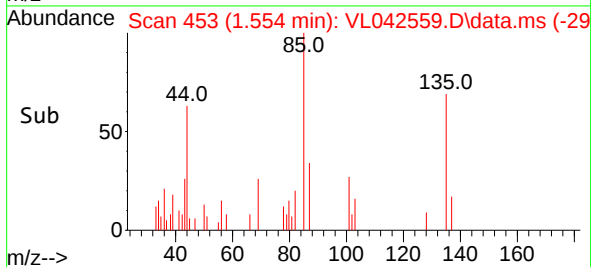
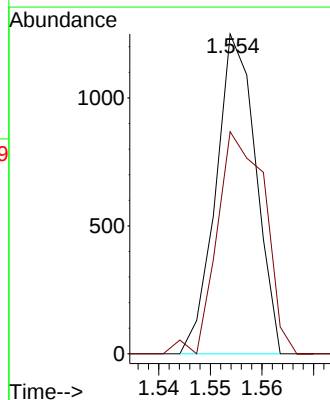
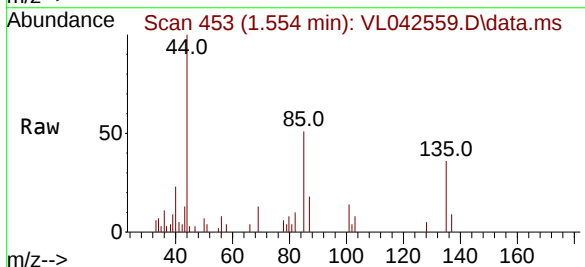
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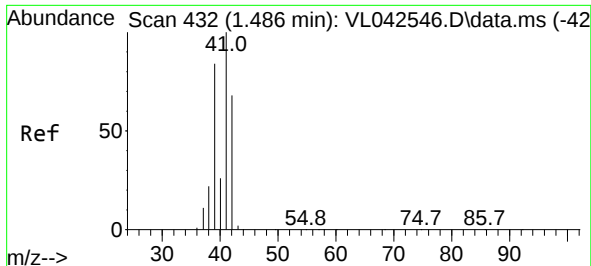
Tgt Ion: 64 Resp: 120
Ion Ratio Lower Upper
64 100
66 0.0 24.4 36.6#



#8
Dichlorotetrafluoroethane
Concen: 0.037 ppbv
RT: 1.554 min Scan# 453
Delta R.T. -0.000 min
Lab File: VL042559.D
Acq: 21 May 2025 10:55

Tgt Ion: 85 Resp: 671
Ion Ratio Lower Upper
85 100
135 83.0 57.2 85.8

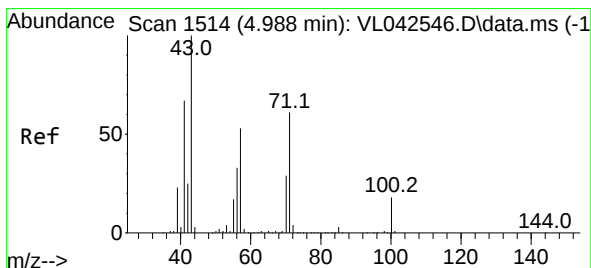
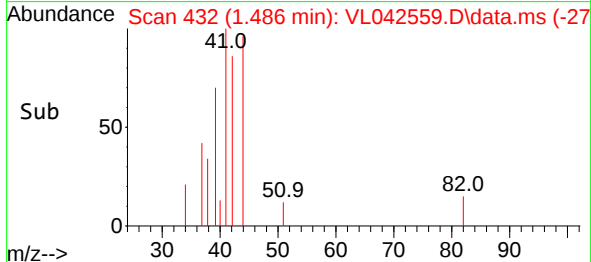
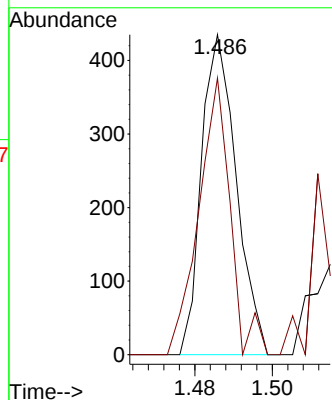
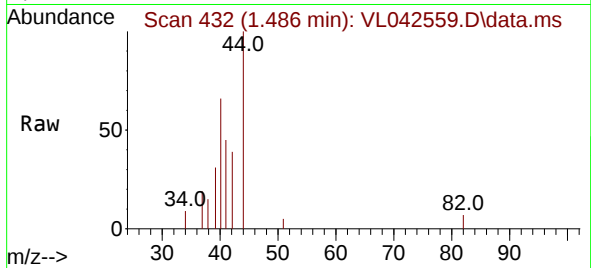




#9
Propene
Concen: 0.044 ppbv
RT: 1.486 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL042559.D
Acq: 21 May 2025 10:55

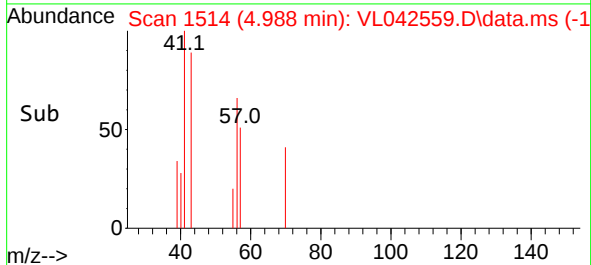
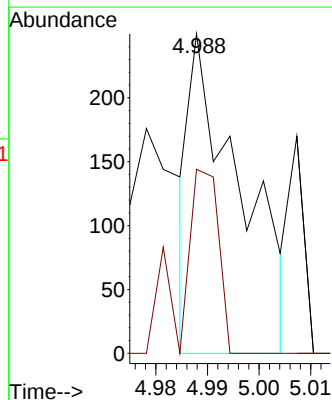
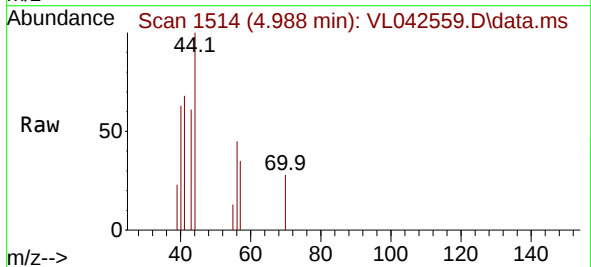
Instrument :
MSVOA_L
ClientSampleId :
MDL 0.03

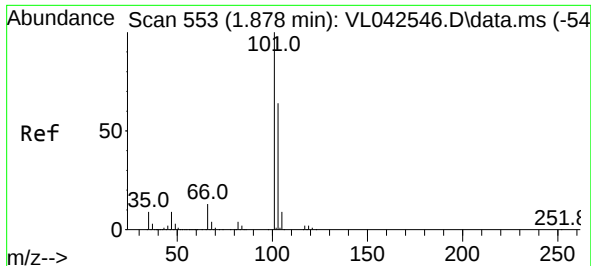
Tgt Ion: 41 Resp: 271
Ion Ratio Lower Upper
41 100
42 73.8 55.0 82.4



#10
Heptane
Concen: 0.011 ppbv
RT: 4.988 min Scan# 1514
Delta R.T. -0.000 min
Lab File: VL042559.D
Acq: 21 May 2025 10:55

Tgt Ion: 43 Resp: 171
Ion Ratio Lower Upper
43 100
57 0.0 43.4 65.0#

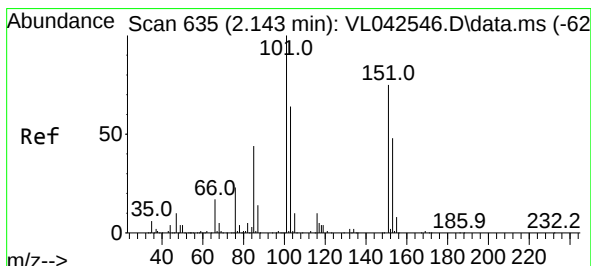
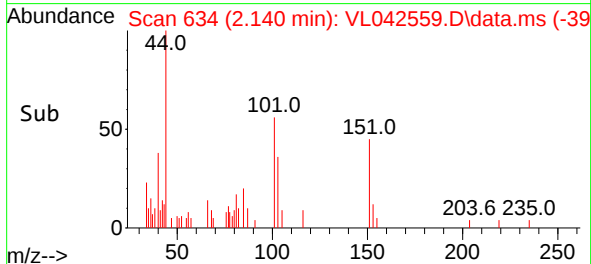
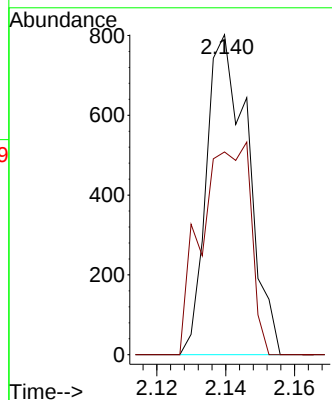
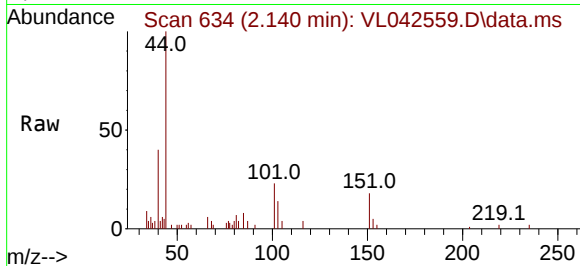




#11
Trichlorofluoromethane
Concen: 0.030 ppbv
RT: 2.140 min Scan# 611
Delta R.T. 0.262 min
Lab File: VL042559.D
Acq: 21 May 2025 10:55

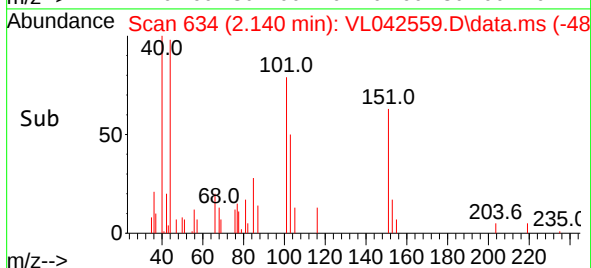
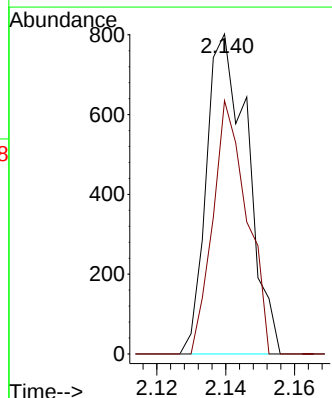
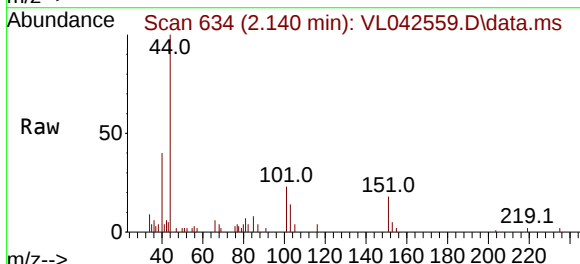
Instrument :
MSVOA_L
ClientSampleId :
MDL 0.03

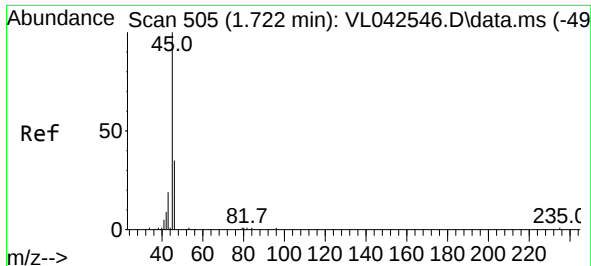
Tgt Ion:101 Resp: 666
Ion Ratio Lower Upper
101 100
103 63.3 51.5 77.3



#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.037 ppbv
RT: 2.140 min Scan# 634
Delta R.T. -0.003 min
Lab File: VL042559.D
Acq: 21 May 2025 10:55

Tgt Ion:101 Resp: 666
Ion Ratio Lower Upper
101 100
151 65.6 59.5 89.3

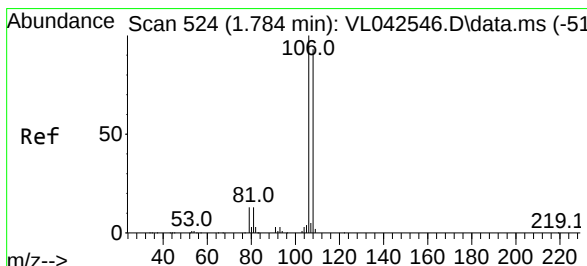
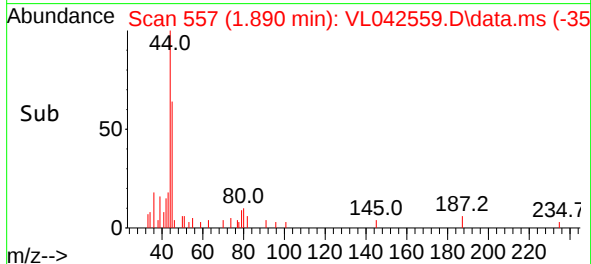
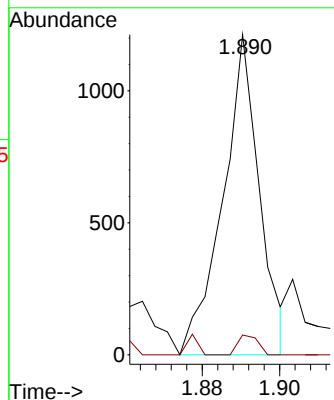
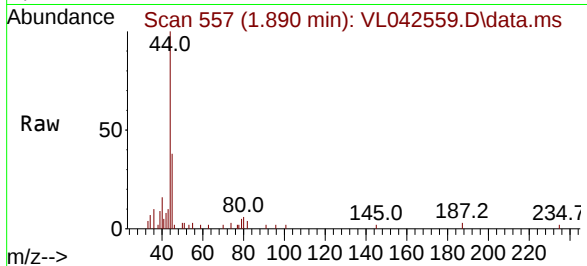




#13
Ethanol
Concen: 0.889 ppbv
RT: 1.890 min Scan# 505
Delta R.T. 0.168 min
Lab File: VL042559.D
Acq: 21 May 2025 10:55

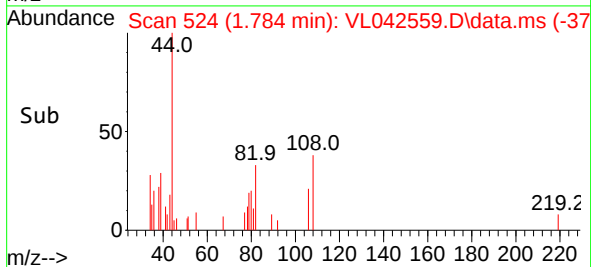
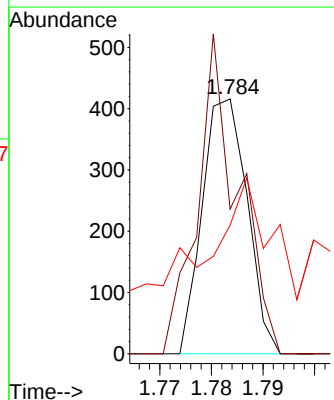
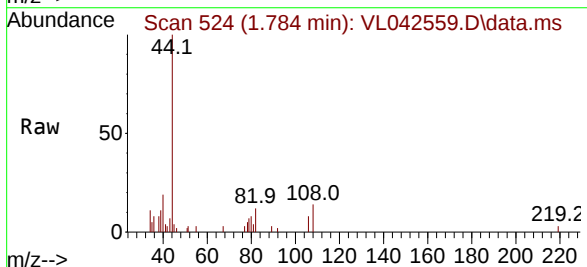
Instrument :
MSVOA_L
ClientSampleId :
MDL 0.03

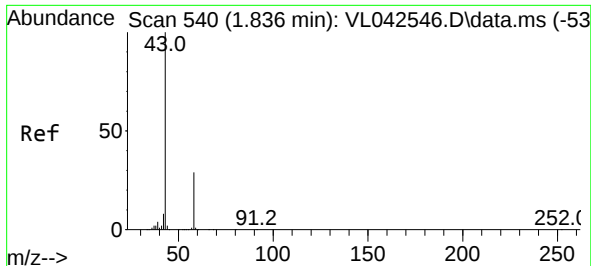
Tgt Ion: 45 Resp: 795
Ion Ratio Lower Upper
45 100
46 0.0 15.3 61.3#



#14
Bromoethene
Concen: 0.037 ppbv
RT: 1.784 min Scan# 524
Delta R.T. -0.000 min
Lab File: VL042559.D
Acq: 21 May 2025 10:55

Tgt Ion:108 Resp: 252
Ion Ratio Lower Upper
108 100
106 113.1 86.4 129.6
79 110.3 11.9 17.9#

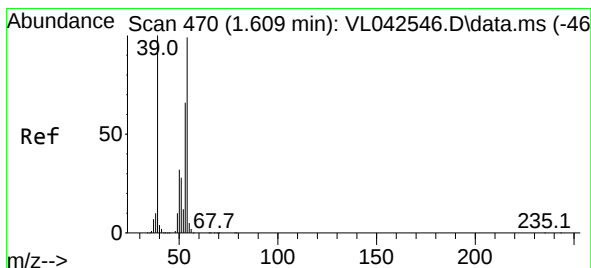
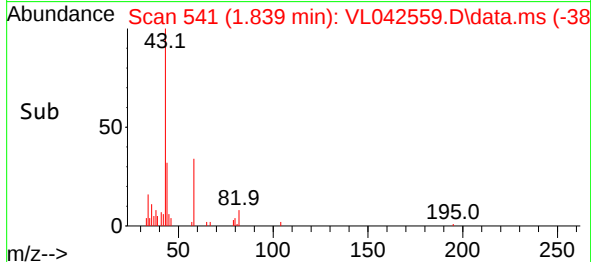
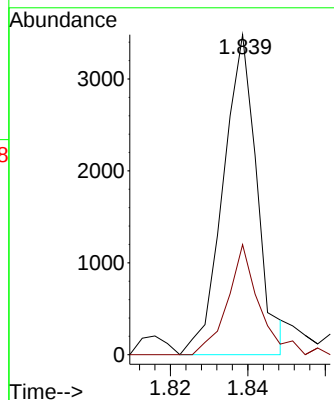
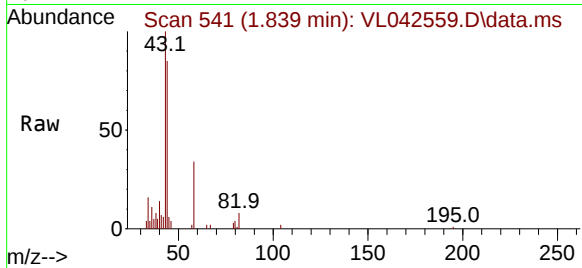




#15
Acetone
Concen: 0.132 ppbv
RT: 1.839 min Scan# 541
Delta R.T. 0.003 min
Lab File: VL042559.D
Acq: 21 May 2025 10:55

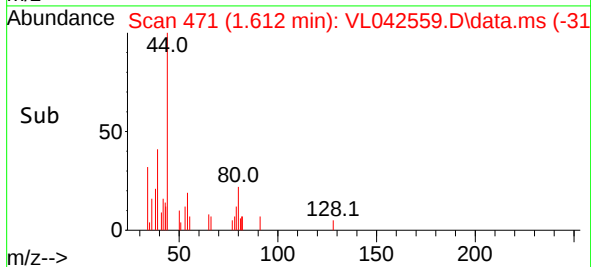
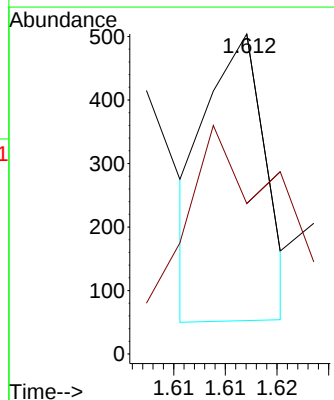
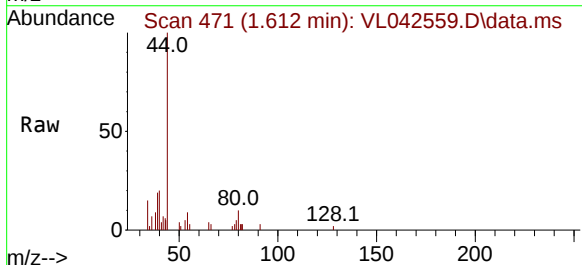
Instrument :
MSVOA_L
ClientSampleId :
MDL 0.03

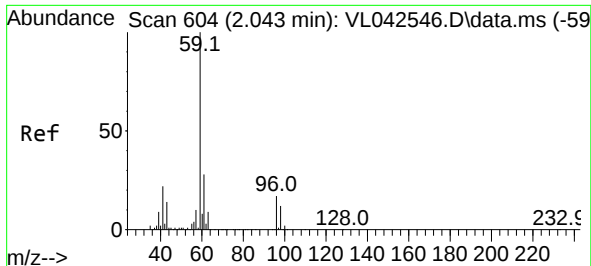
Tgt Ion: 43 Resp: 2114
Ion Ratio Lower Upper
43 100
58 32.8 24.2 36.2



#16
1,3-Butadiene
Concen: 0.027 ppbv
RT: 1.612 min Scan# 471
Delta R.T. 0.003 min
Lab File: VL042559.D
Acq: 21 May 2025 10:55

Tgt Ion: 39 Resp: 179
Ion Ratio Lower Upper
39 100
54 139.1 71.8 107.8#





#17

tert-Butyl alcohol

Concen: 0.042 ppbv

RT: 2.049 min Scan# 604

Delta R.T. 0.006 min

Lab File: VL042559.D

Acq: 21 May 2025 10:55

Instrument :

MSVOA_L

ClientSampleId :

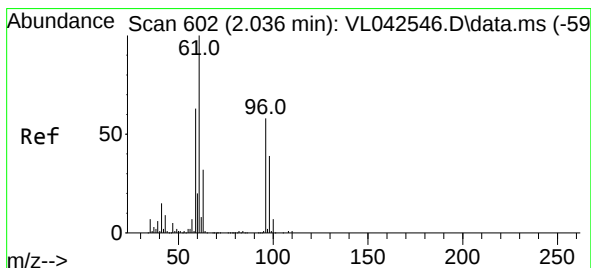
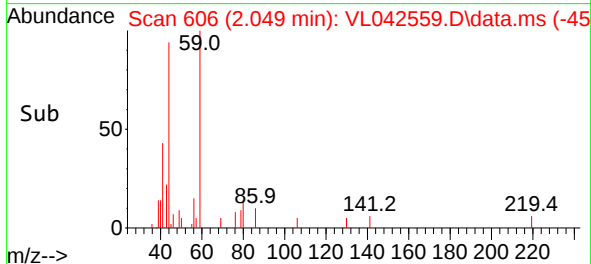
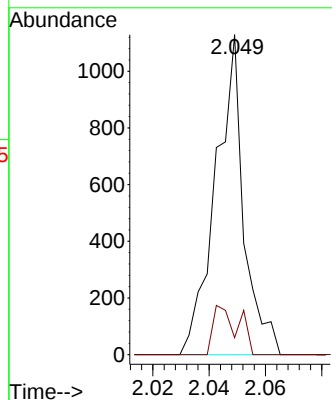
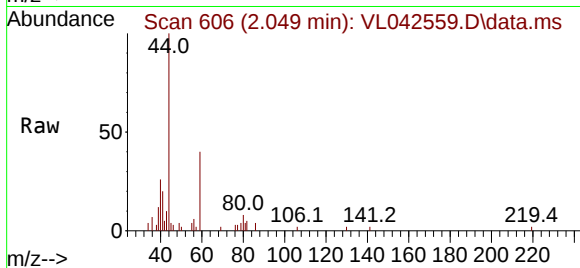
MDL 0.03

Tgt Ion: 59 Resp: 783

Ion Ratio Lower Upper

59 100

57 13.5 8.2 12.2#



#18

1,1-Dichloroethene

Concen: 0.013 ppbv

RT: 2.334 min Scan# 694

Delta R.T. 0.298 min

Lab File: VL042559.D

Acq: 21 May 2025 10:55

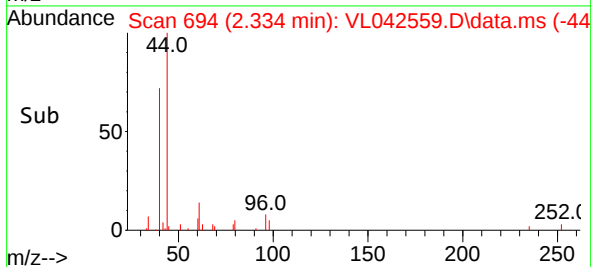
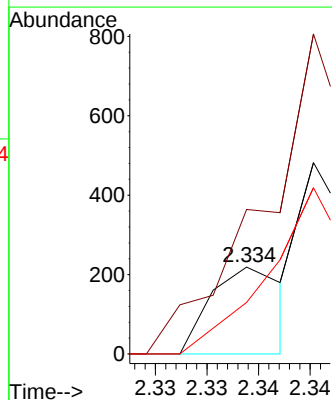
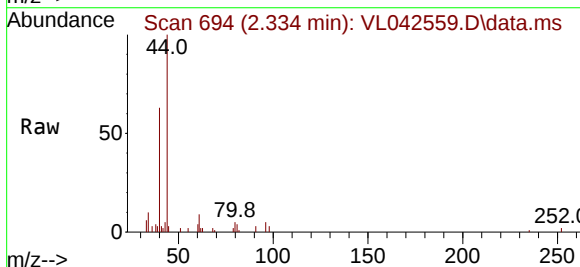
Tgt Ion: 96 Resp: 109

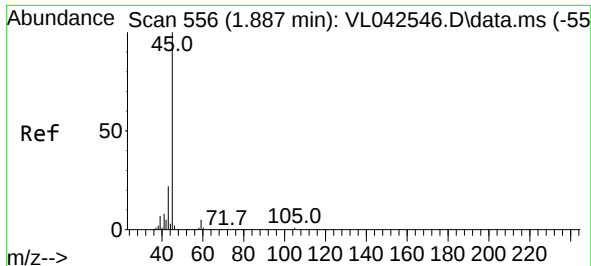
Ion Ratio Lower Upper

96 100

61 148.4 137.5 206.3

98 59.4 53.2 79.8





#19

Isopropyl Alcohol

Concen: 0.087 ppbv

RT: 1.890 min Scan# 51

Delta R.T. 0.003 min

Lab File: VL042559.D

Acq: 21 May 2025 10:55

Instrument :

MSVOA_L

ClientSampleId :

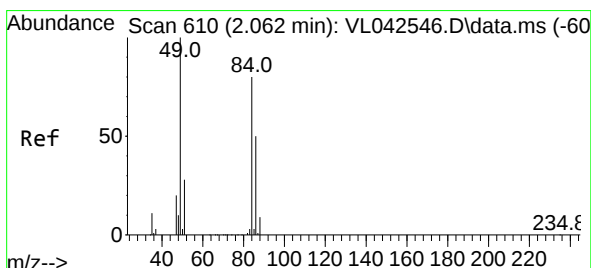
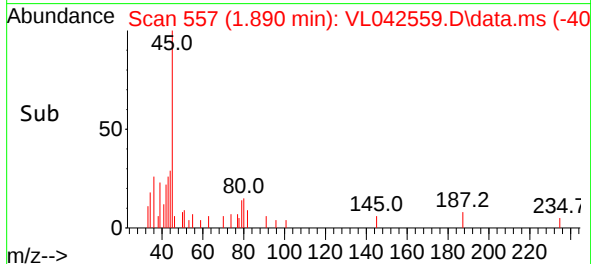
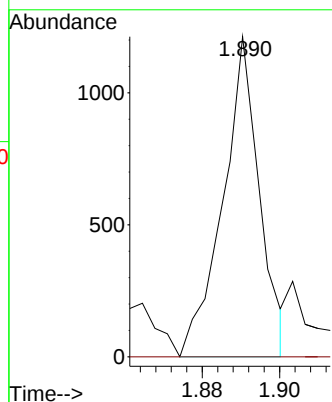
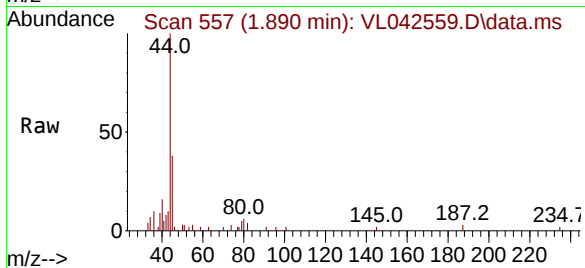
MDL 0.03

Tgt Ion: 45 Resp: 795

Ion Ratio Lower Upper

45 100

58 87.2 35.3 52.9#



#20

Methylene Chloride

Concen: 0.199 ppbv

RT: 2.065 min Scan# 611

Delta R.T. 0.003 min

Lab File: VL042559.D

Acq: 21 May 2025 10:55

Tgt Ion: 84 Resp: 1550

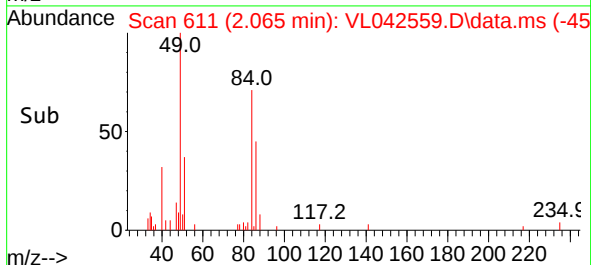
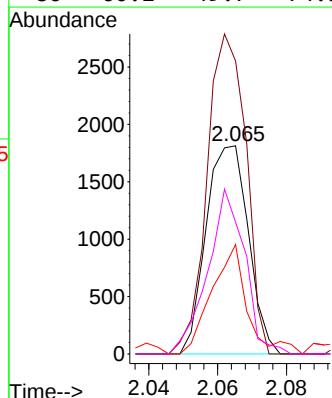
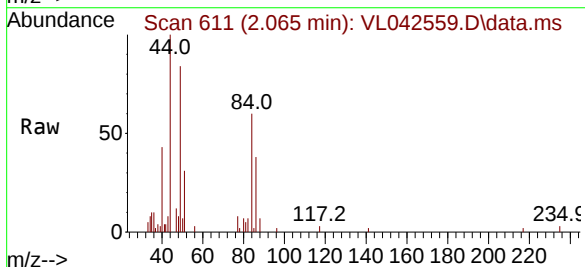
Ion Ratio Lower Upper

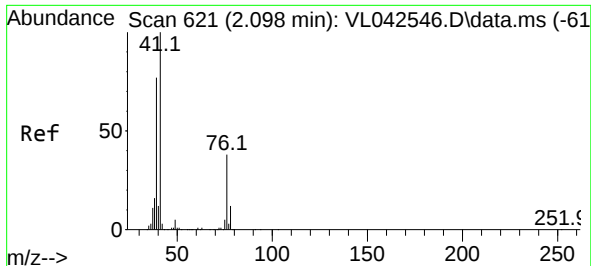
84 100

49 140.8 99.7 149.5

51 52.6 29.7 44.5#

86 60.2 49.7 74.5

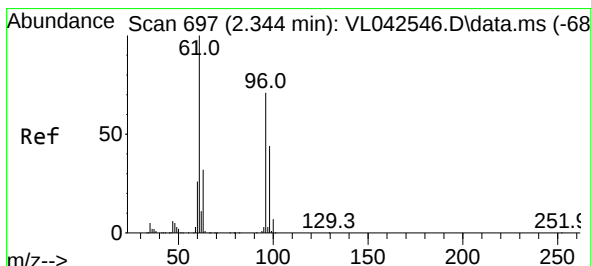
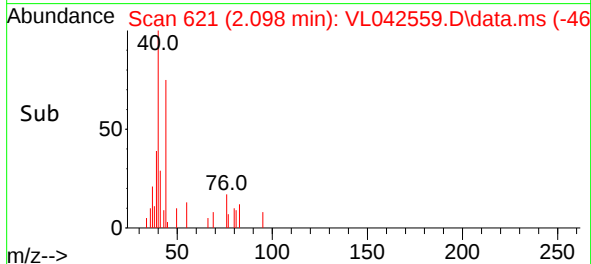
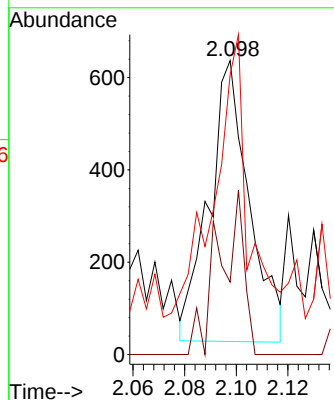
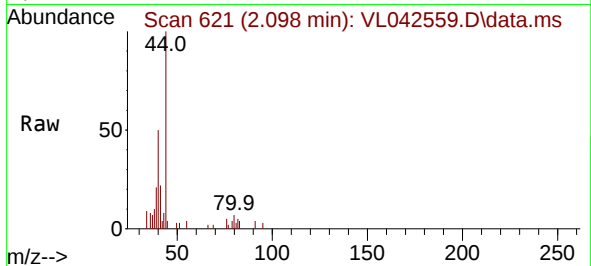




#21
 Allyl Chloride
 Concen: 0.064 ppbv
 RT: 2.098 min Scan# 61
 Delta R.T. -0.000 min
 Lab File: VL042559.D
 Acq: 21 May 2025 10:55

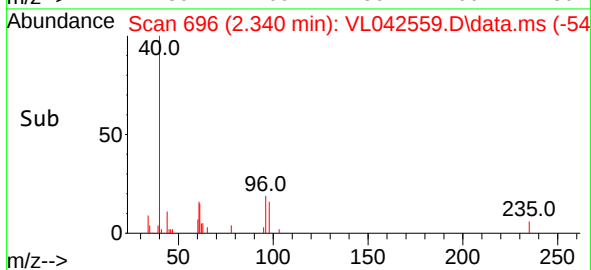
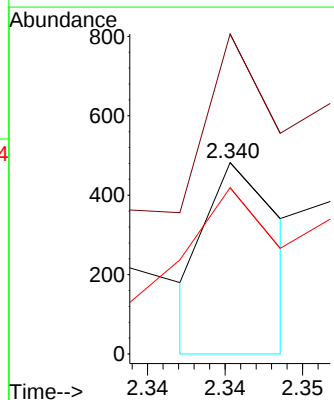
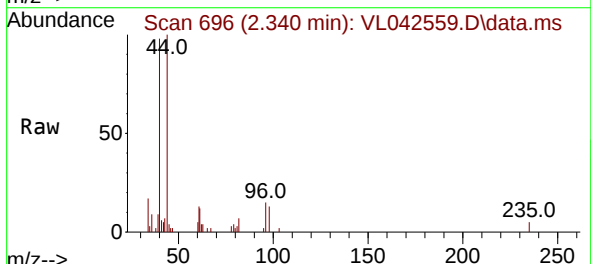
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL 0.03

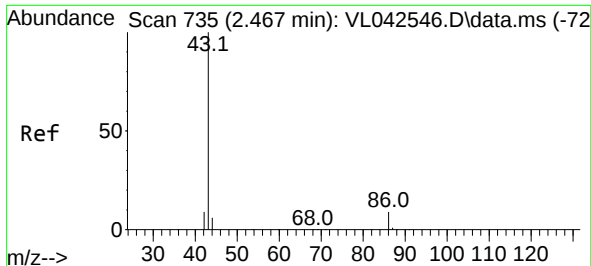
Tgt Ion: 41 Resp: 658
 Ion Ratio Lower Upper
 41 100
 76 36.3 30.2 45.4
 39 107.3 62.5 93.7#



#22
 trans-1,2-Dichloroethene
 Concen: 0.018 ppbv
 RT: 2.340 min Scan# 696
 Delta R.T. -0.003 min
 Lab File: VL042559.D
 Acq: 21 May 2025 10:55

Tgt Ion: 96 Resp: 160
 Ion Ratio Lower Upper
 96 100
 61 149.0 112.5 168.7
 98 60.3 49.0 73.4

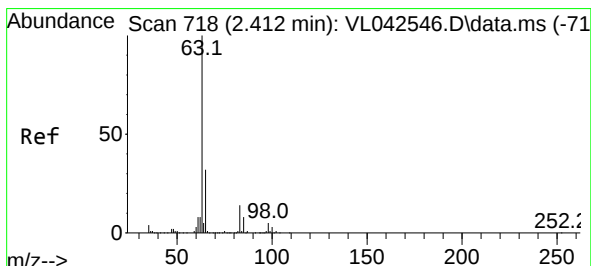
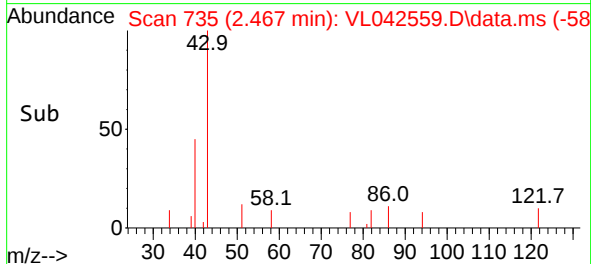
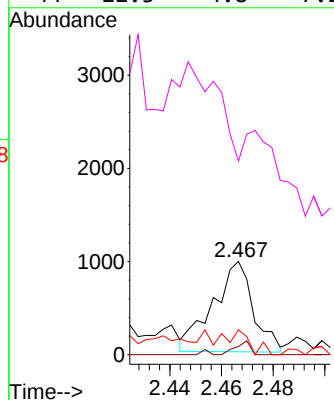
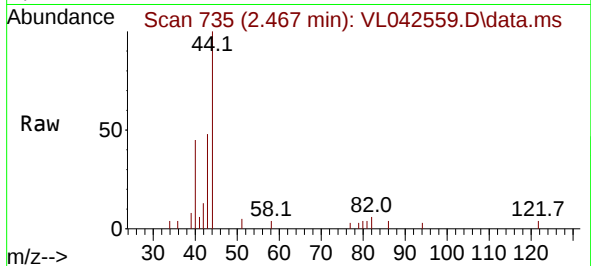




#23
 Vinyl Acetate
 Concen: 0.057 ppbv
 RT: 2.467 min Scan# 718
 Delta R.T. -0.000 min
 Lab File: VL042559.D
 Acq: 21 May 2025 10:55

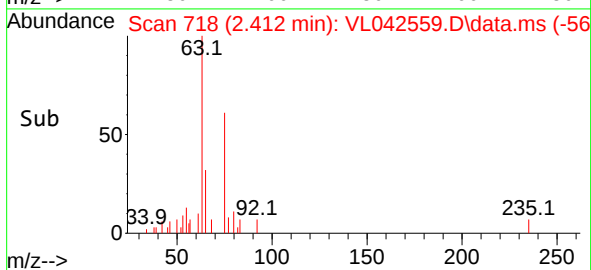
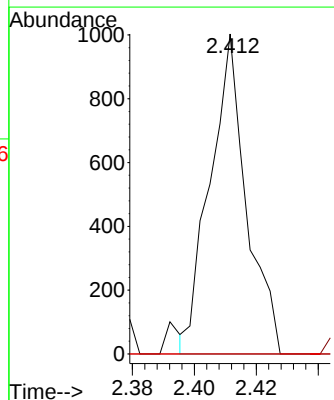
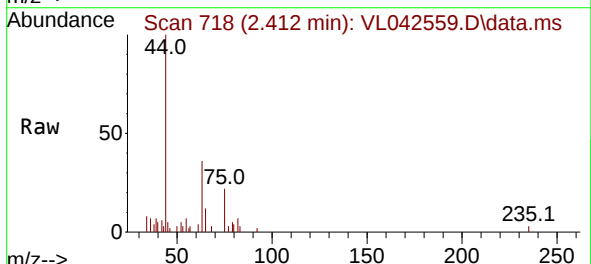
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL 0.03

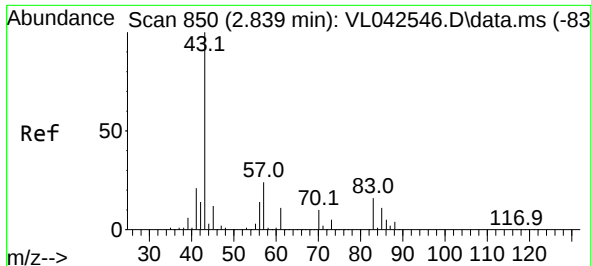
Tgt Ion:	43	Resp:	1050
Ion	Ratio	Lower	Upper
43	100		
86	9.4	7.0	10.6
42	28.9	7.4	11.2#
44	22.3	4.8	7.2#



#24
 1,1-Dichloroethane
 Concen: 0.052 ppbv
 RT: 2.412 min Scan# 718
 Delta R.T. -0.000 min
 Lab File: VL042559.D
 Acq: 21 May 2025 10:55

Tgt Ion:	63	Resp:	817
Ion	Ratio	Lower	Upper
63	100		
98	0.0	2.6	7.8#
100	0.0	1.8	5.3#

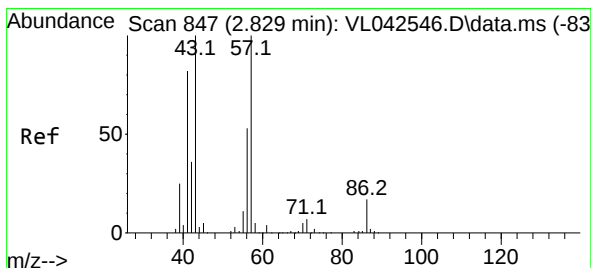
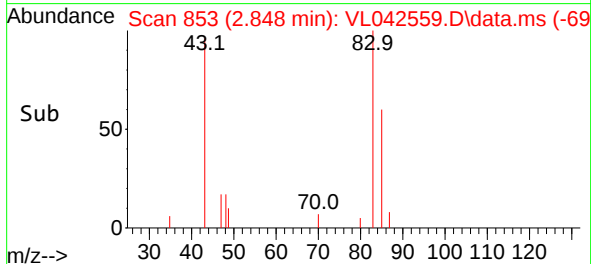
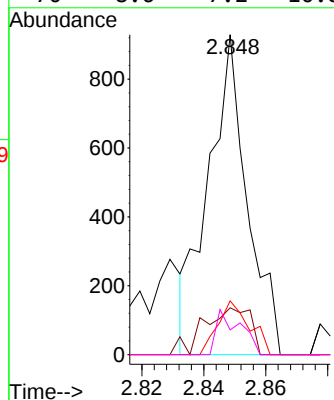
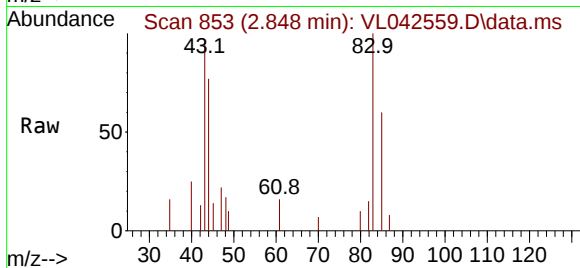




#25
Ethyl Acetate
Concen: 0.026 ppbv
RT: 2.848 min Scan# 810
Delta R.T. 0.010 min
Lab File: VL042559.D
Acq: 21 May 2025 10:55

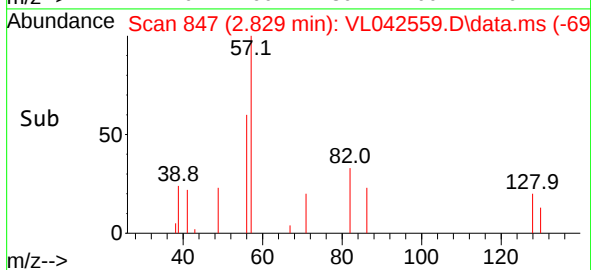
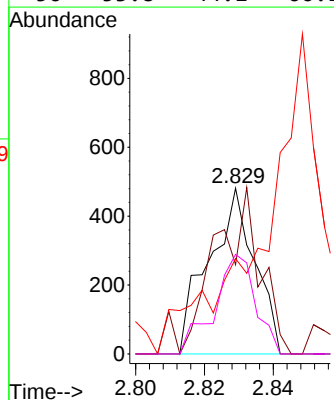
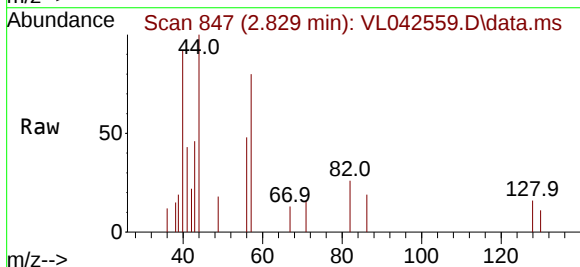
Instrument :
MSVOA_L
ClientSampleId :
MDL 0.03

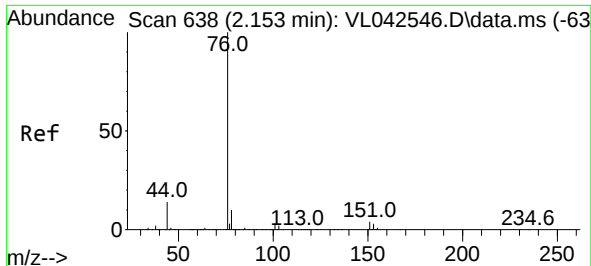
Tgt Ion: 43	Resp: 810
Ion Ratio	Lower Upper
43 100	
45 17.8	8.0 12.0#
61 13.7	7.5 11.3#
70 8.6	7.2 10.8



#26
Hexane
Concen: 0.032 ppbv
RT: 2.829 min Scan# 847
Delta R.T. -0.000 min
Lab File: VL042559.D
Acq: 21 May 2025 10:55

Tgt Ion: 57	Resp:	446	
Ion	Ratio	Lower	Upper
57	100		
41	119.5	69.0	103.4#
43	250.4	174.2	261.2
56	53.8	44.1	66.1





#27

Carbon Disulfide

Concen: 0.032 ppbv

RT: 2.149 min Scan# 61

Delta R.T. -0.003 min

Lab File: VL042559.D

Acq: 21 May 2025 10:55

Instrument :

MSVOA_L

ClientSampleId :

MDL 0.03

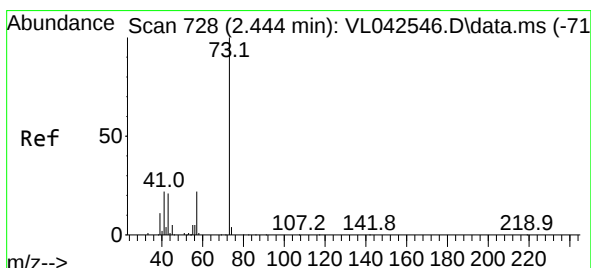
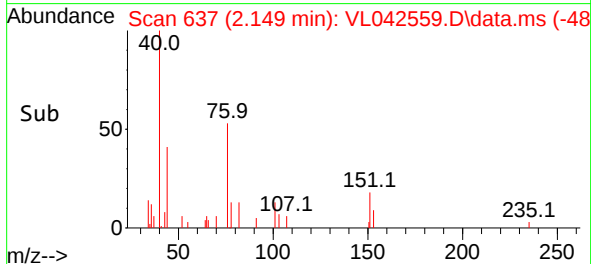
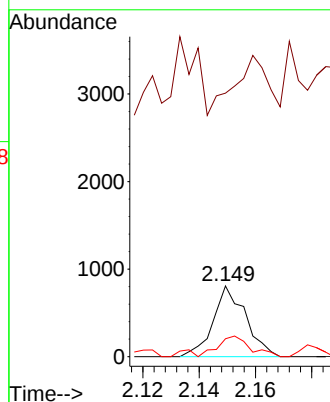
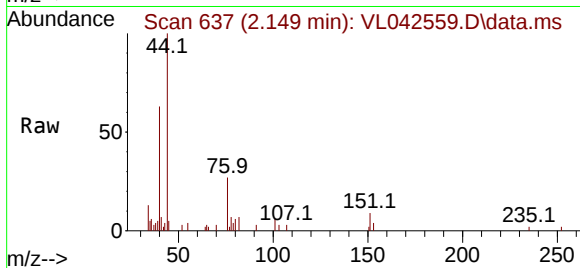
Tgt Ion: 76 Resp: 647

Ion Ratio Lower Upper

76 100

44 756.6 14.0 21.0#

78 28.6 9.4 14.0#



#28

Methyl tert-Butyl Ether

Concen: 0.038 ppbv

RT: 2.444 min Scan# 728

Delta R.T. -0.000 min

Lab File: VL042559.D

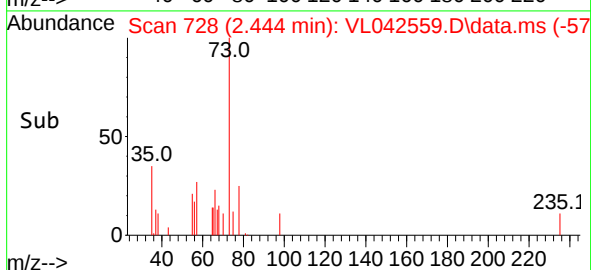
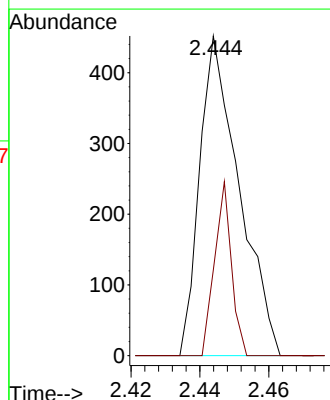
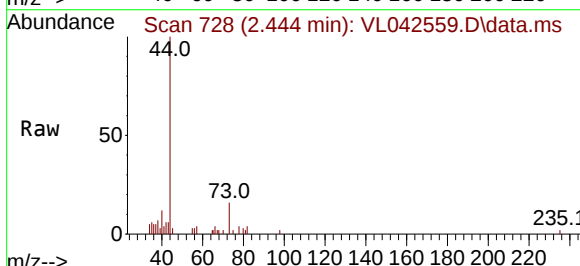
Acq: 21 May 2025 10:55

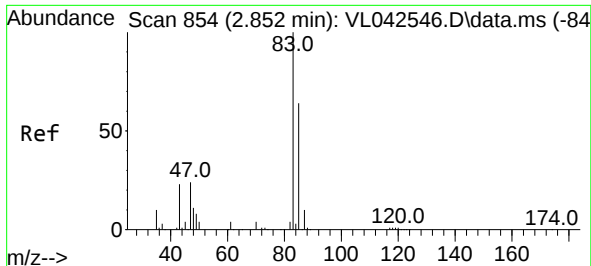
Tgt Ion: 73 Resp: 360

Ion Ratio Lower Upper

73 100

57 23.3 17.2 25.8





#29

Chloroform

Concen: 0.037 ppbv

RT: 2.848 min Scan# 8

Delta R.T. -0.003 min

Lab File: VL042559.D

Acq: 21 May 2025 10:55

Instrument :

MSVOA_L

ClientSampleId :

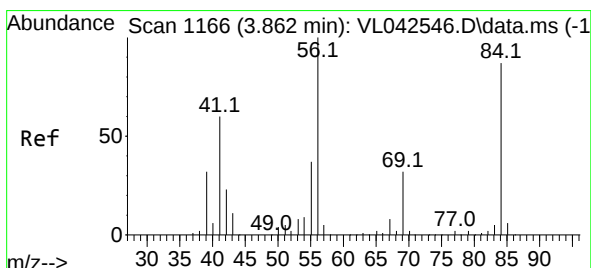
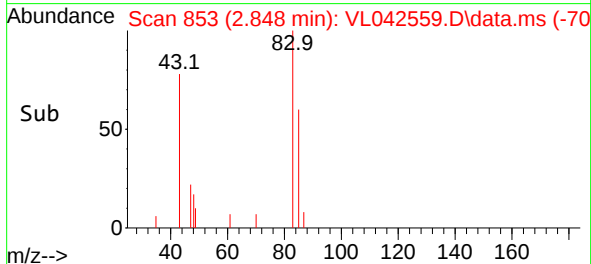
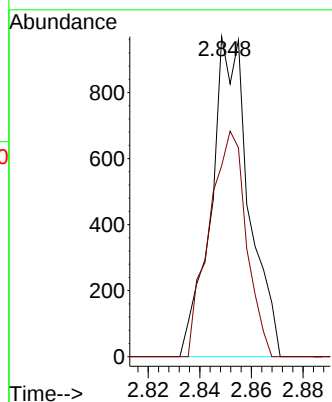
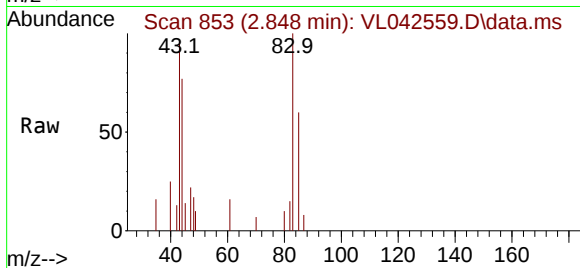
MDL 0.03

Tgt Ion: 83 Resp: 985

Ion Ratio Lower Upper

83 100

85 59.6 51.6 77.4



#30

Cyclohexane

Concen: 0.018 ppbv

RT: 3.858 min Scan# 1165

Delta R.T. -0.003 min

Lab File: VL042559.D

Acq: 21 May 2025 10:55

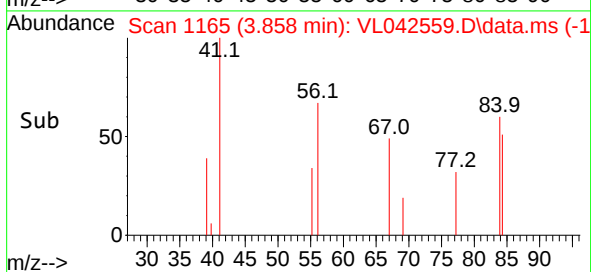
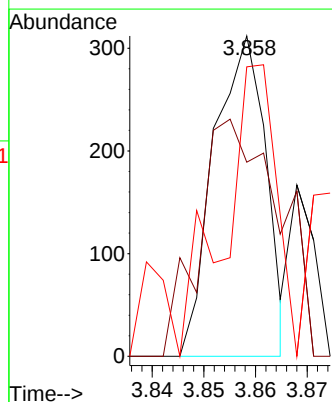
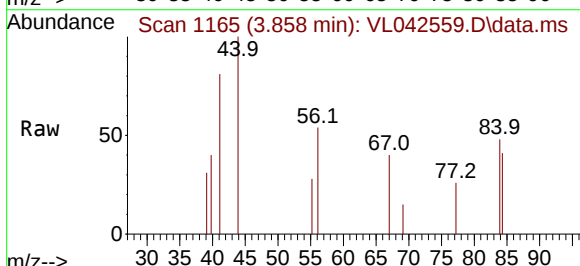
Tgt Ion: 84 Resp: 219

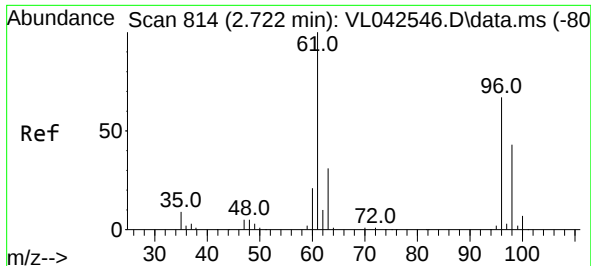
Ion Ratio Lower Upper

84 100

56 0.0 92.3 138.5#

41 142.0 57.0 85.4#

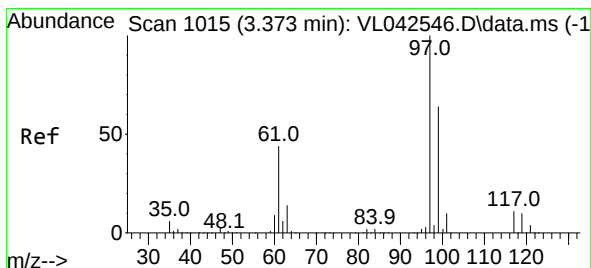
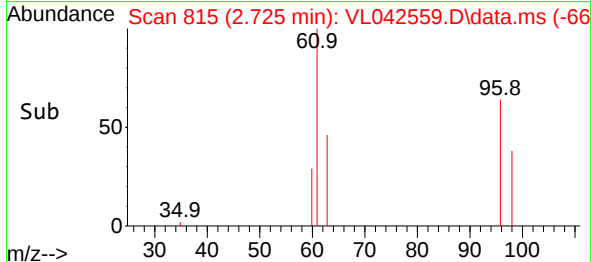
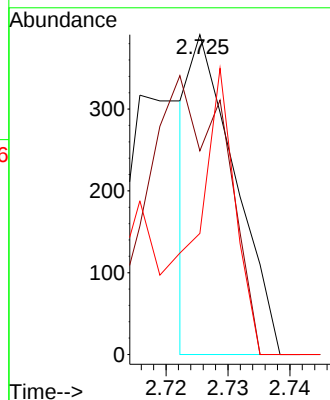
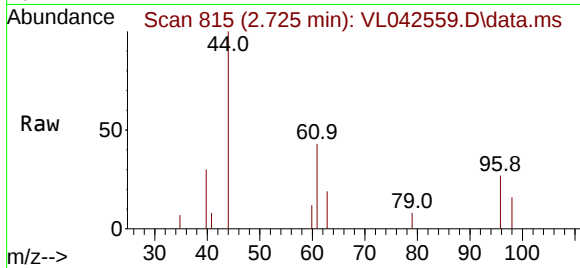




#31
 cis-1,2-Dichloroethene
 Concen: 0.012 ppbv
 RT: 2.725 min Scan# 814
 Delta R.T. 0.003 min
 Lab File: VL042559.D
 Acq: 21 May 2025 10:55

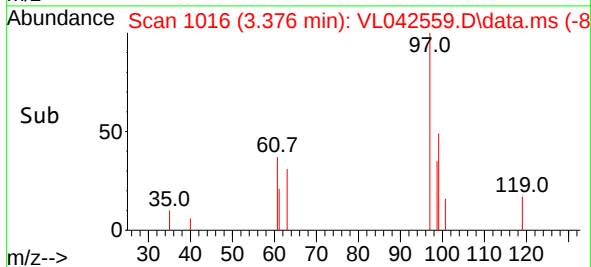
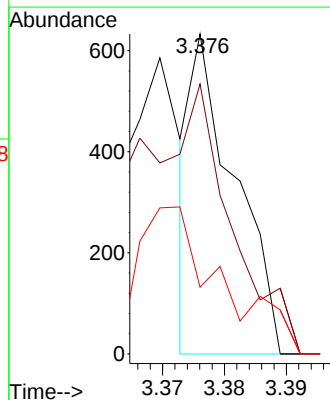
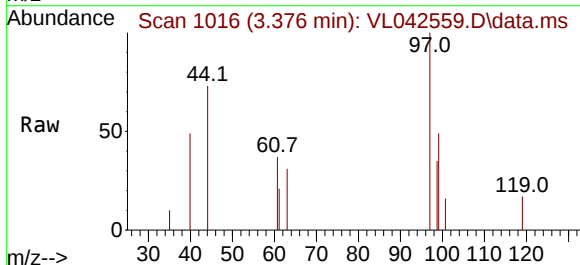
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL 0.03

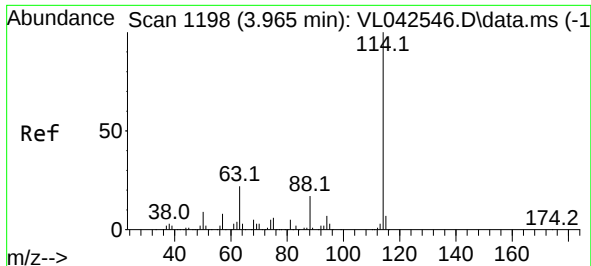
Tgt Ion: 61 Resp: 192
 Ion Ratio Lower Upper
 61 100
 96 63.7 53.8 80.8
 98 37.9 34.5 51.7



#32
 1,1,1-Trichloroethane
 Concen: 0.011 ppbv
 RT: 3.376 min Scan# 1016
 Delta R.T. 0.003 min
 Lab File: VL042559.D
 Acq: 21 May 2025 10:55

Tgt Ion: 97 Resp: 308
 Ion Ratio Lower Upper
 97 100
 99 204.9 51.5 77.3#
 61 95.5 35.7 53.5#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.962 min Scan# 1198

Delta R.T. -0.003 min

Lab File: VL042559.D

Acq: 21 May 2025 10:55

Instrument :

MSVOA_L

ClientSampleId :

MDL 0.03

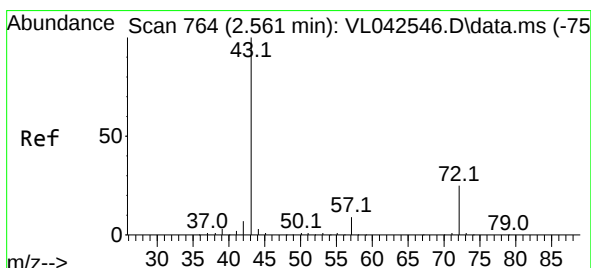
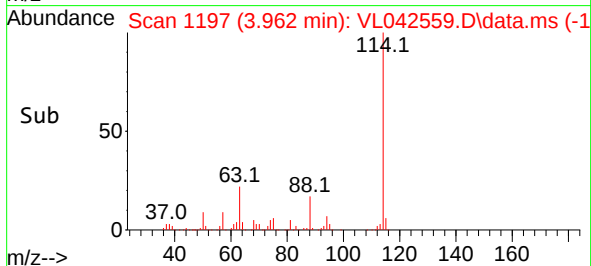
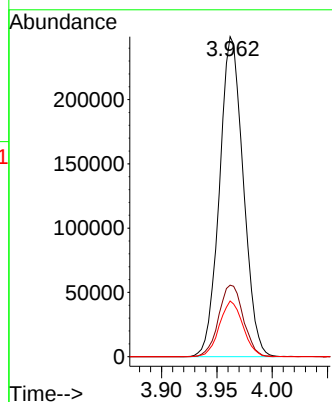
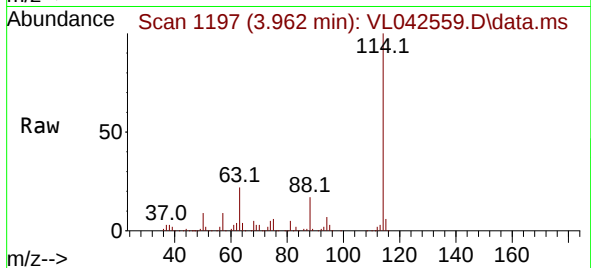
Tgt Ion:114 Resp: 372575

Ion Ratio Lower Upper

114 100

63 23.2 18.4 27.6

88 17.2 14.0 21.0



#34

2-Butanone

Concen: 0.057 ppbv

RT: 2.570 min Scan# 767

Delta R.T. 0.010 min

Lab File: VL042559.D

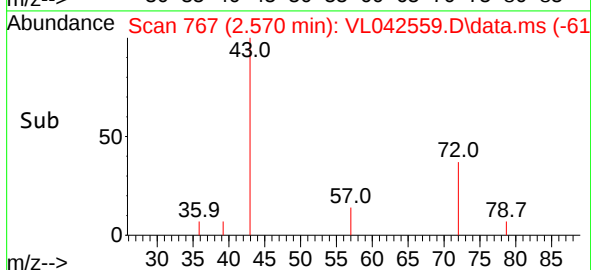
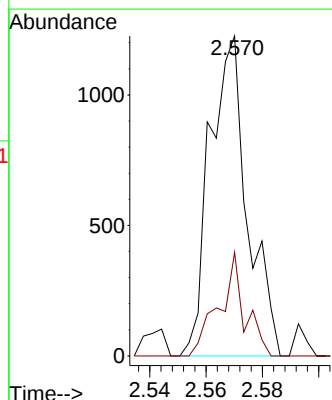
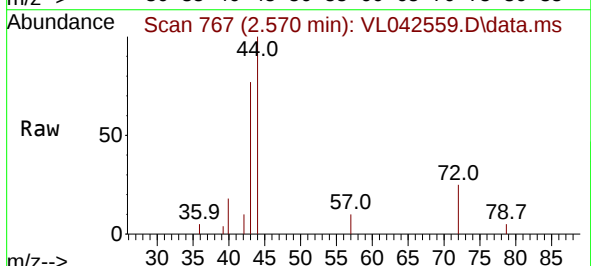
Acq: 21 May 2025 10:55

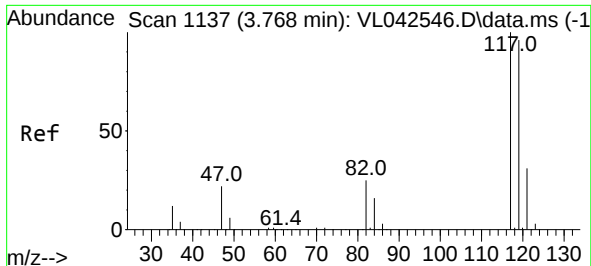
Tgt Ion: 43 Resp: 1136

Ion Ratio Lower Upper

43 100

72 22.1 20.5 30.7

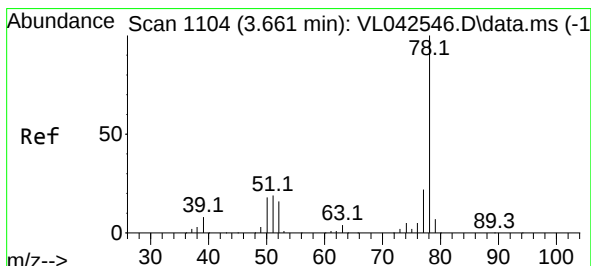
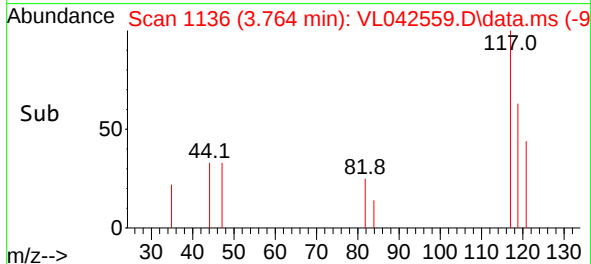
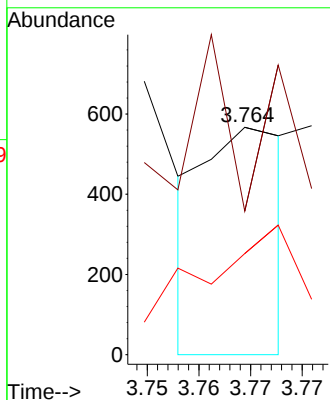
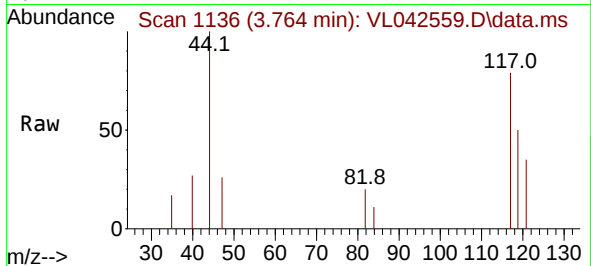




#35
Carbon Tetrachloride
Concen: 0.011 ppbv
RT: 3.764 min Scan# 1137
Delta R.T. -0.003 min
Lab File: VL042559.D
Acq: 21 May 2025 10:55

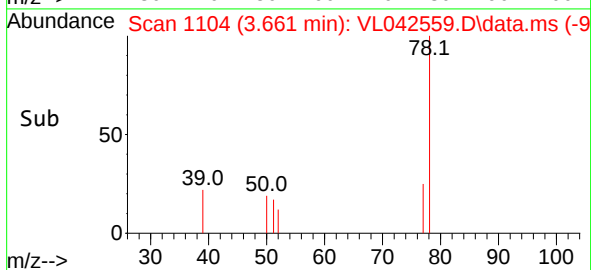
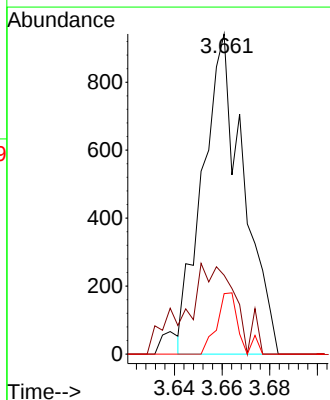
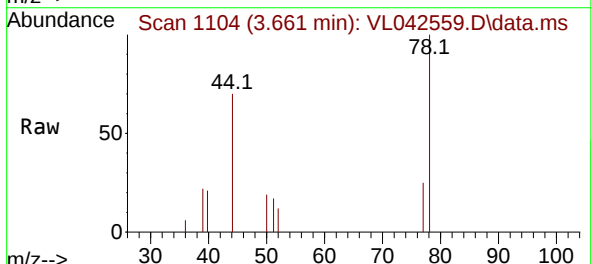
Instrument :
MSVOA_L
ClientSampleId :
MDL 0.03

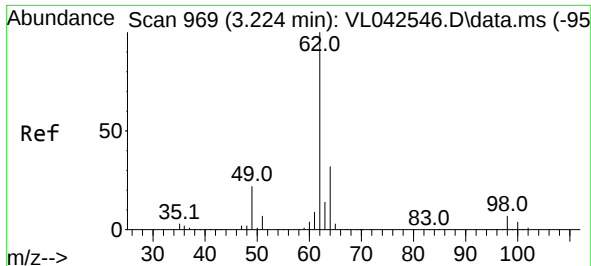
Tgt Ion:117 Resp: 310
Ion Ratio Lower Upper
117 100
119 0.0 76.6 114.8#
121 29.5 24.7 37.1



#36
Benzene
Concen: 0.037 ppbv
RT: 3.661 min Scan# 1104
Delta R.T. -0.000 min
Lab File: VL042559.D
Acq: 21 May 2025 10:55

Tgt Ion: 78 Resp: 1120
Ion Ratio Lower Upper
78 100
77 24.6 17.8 26.6
50 18.9 14.0 21.0

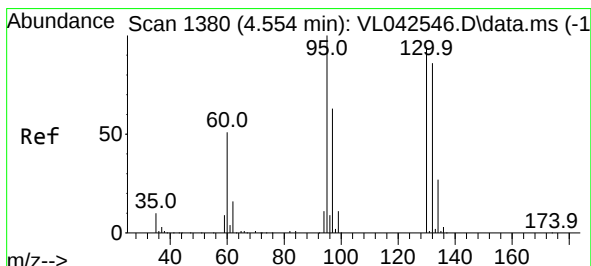
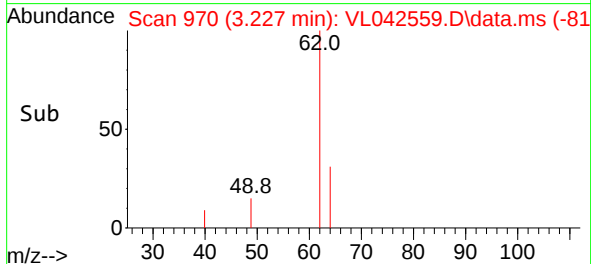
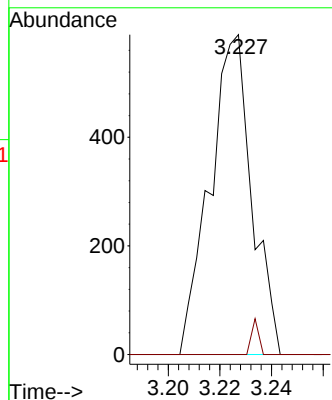
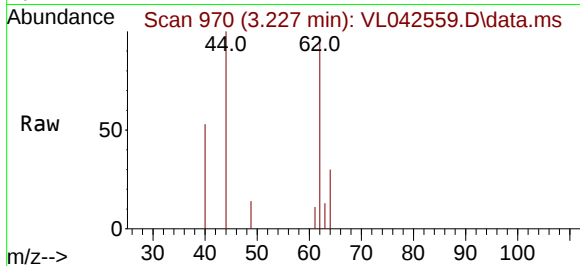




#37
1,2-Dichloroethane
Concen: 0.036 ppbv
RT: 3.227 min Scan# 91
Delta R.T. 0.003 min
Lab File: VL042559.D
Acq: 21 May 2025 10:55

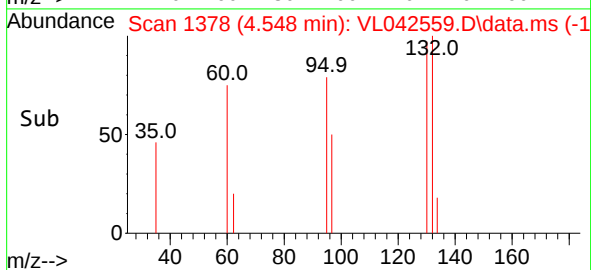
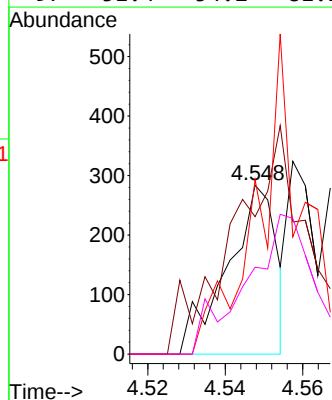
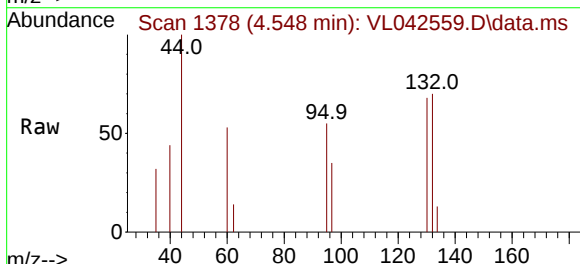
Instrument :
MSVOA_L
ClientSampleId :
MDL 0.03

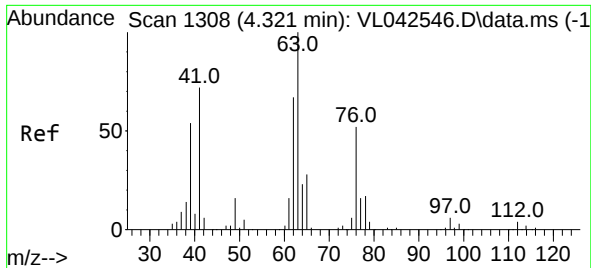
Tgt Ion: 62 Resp: 665
Ion Ratio Lower Upper
62 100
98 0.0 5.5 8.3#



#38
Trichloroethene
Concen: 0.018 ppbv
RT: 4.548 min Scan# 1378
Delta R.T. -0.007 min
Lab File: VL042559.D
Acq: 21 May 2025 10:55

Tgt Ion:130 Resp: 248
Ion Ratio Lower Upper
130 100
95 37.7 85.2 127.8#
132 103.2 73.4 110.2
97 51.4 54.2 81.2#





#39

1,2-Dichloropropane

Concen: 8.141 ppbv

RT: 3.962 min Scan# 1197

Delta R.T. -0.359 min

Lab File: VL042559.D

Acq: 21 May 2025 10:55

Instrument :

MSVOA_1

ClientSampleId :

MDL 0.03

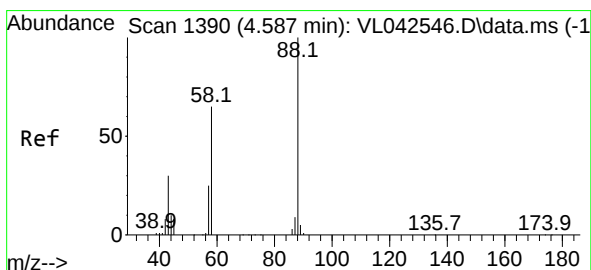
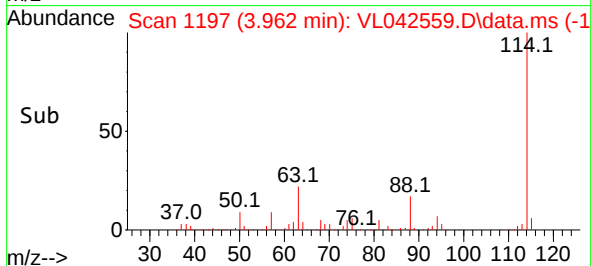
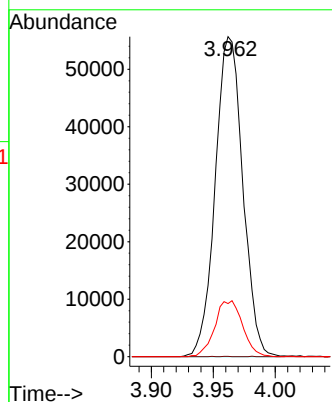
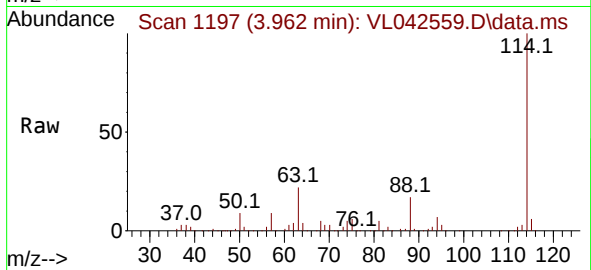
Tgt Ion: 63 Resp: 86152

Ion Ratio Lower Upper

63 100

41 0.1 58.0 87.0#

62 16.6 53.3 79.9#



#40

1,4-Dioxane

Concen: 0.007 ppbv

RT: 4.629 min Scan# 1403

Delta R.T. 0.042 min

Lab File: VL042559.D

Acq: 21 May 2025 10:55

Tgt Ion: 88 Resp: 34

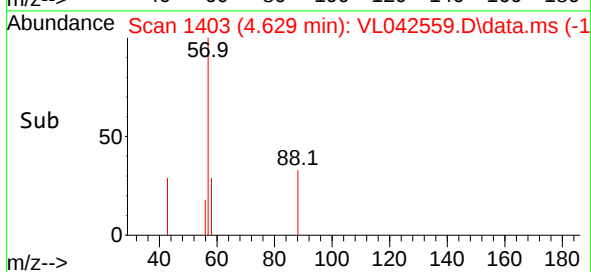
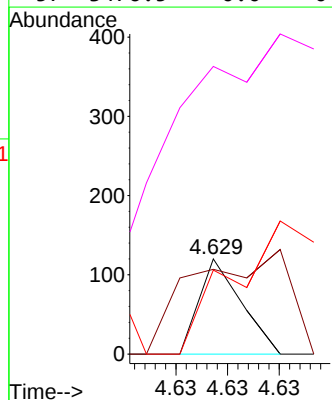
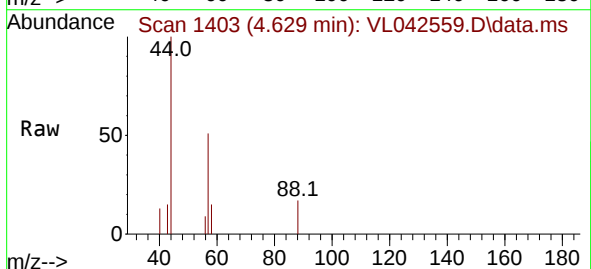
Ion Ratio Lower Upper

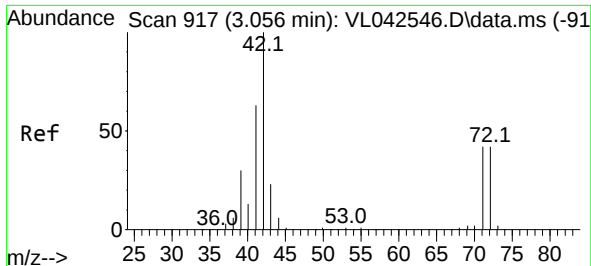
88 100

58 361.8 52.8 79.2#

43 858.8 23.0 34.4#

57 3476.5 0.0 0.0#

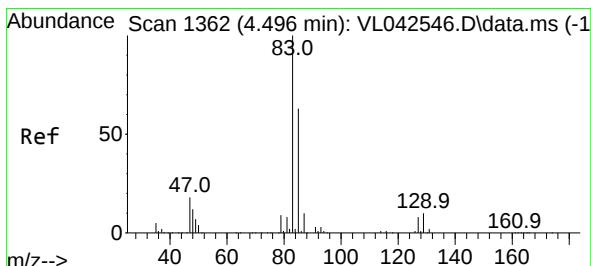
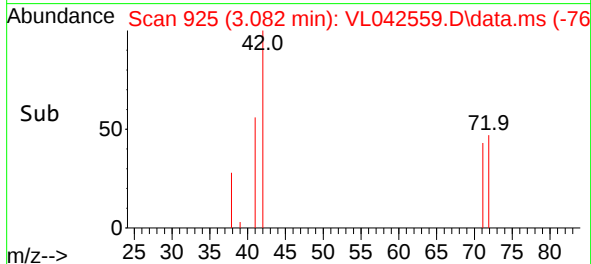
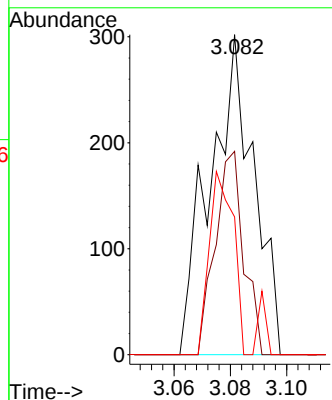
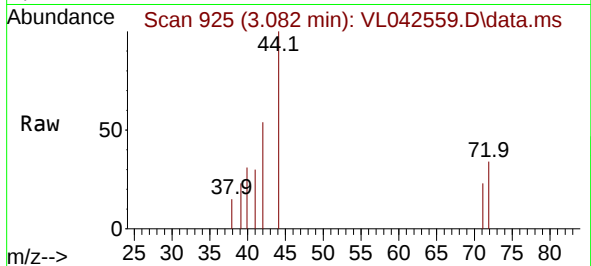




#41
Tetrahydrofuran
Concen: 0.034 ppbv
RT: 3.082 min Scan# 917
Delta R.T. 0.026 min
Lab File: VL042559.D
Acq: 21 May 2025 10:55

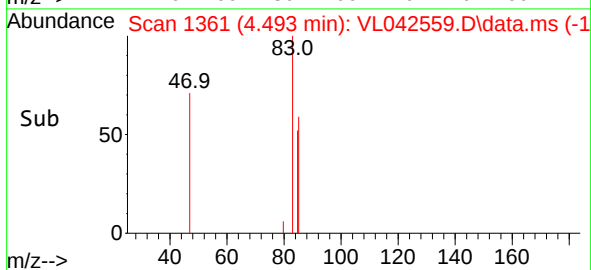
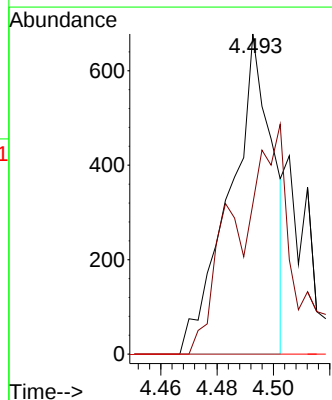
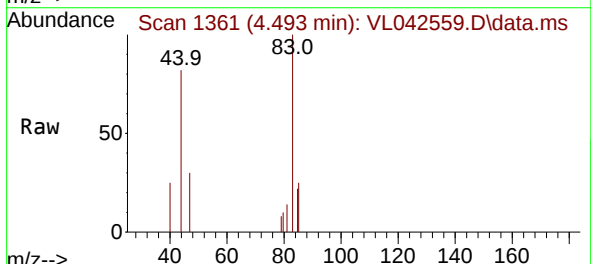
Instrument :
MSVOA_L
ClientSampleId :
MDL 0.03

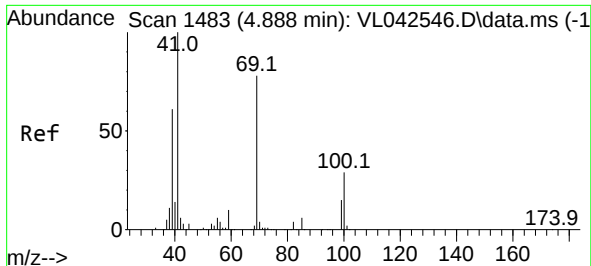
Tgt Ion:	42	Resp:	324
Ion	Ratio	Lower	Upper
42	100		
72	41.7	34.8	52.2
71	35.5	33.6	50.4



#42
Bromodichloromethane
Concen: 0.028 ppbv
RT: 4.493 min Scan# 1361
Delta R.T. -0.003 min
Lab File: VL042559.D
Acq: 21 May 2025 10:55

Tgt Ion:	83	Resp:	718
Ion	Ratio	Lower	Upper
83	100		
85	46.9	50.4	75.6#
127	0.0	6.5	9.7#

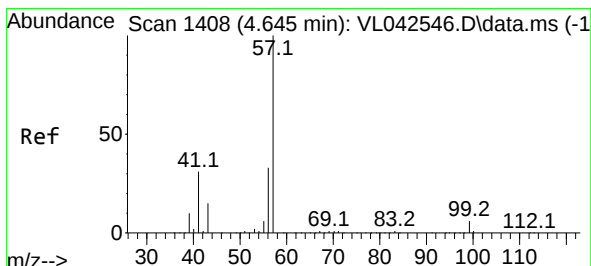
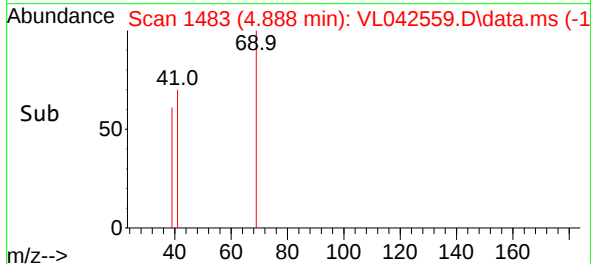
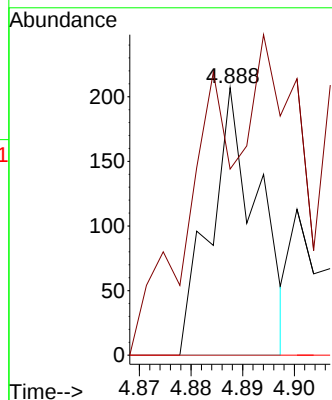
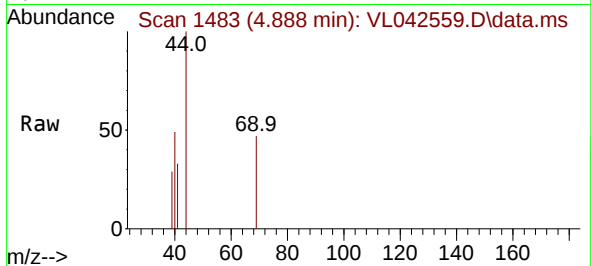




#43
Methyl Methacrylate
Concen: 0.013 ppbv
RT: 4.888 min Scan# 1483
Delta R.T. -0.000 min
Lab File: VL042559.D
Acq: 21 May 2025 10:55

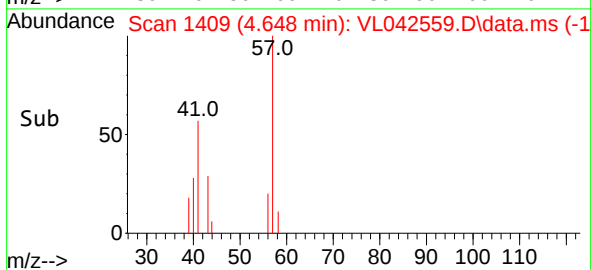
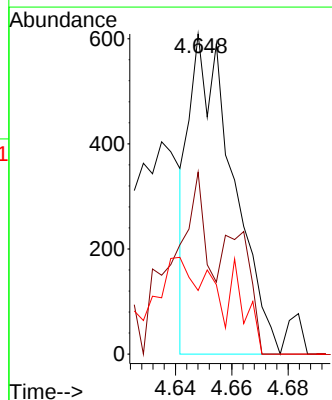
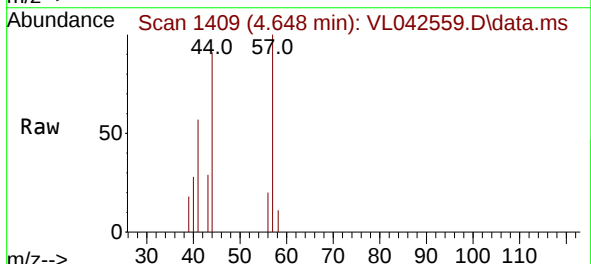
Instrument :
MSVOA_L
ClientSampleId :
MDL 0.03

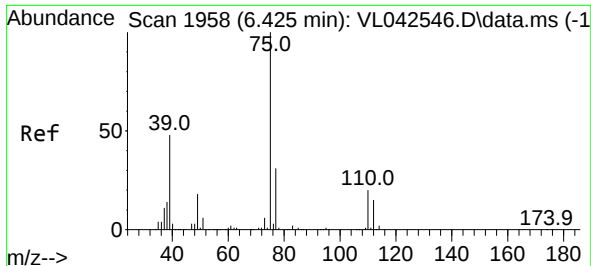
Tgt Ion: 69 Resp: 133
Ion Ratio Lower Upper
69 100
41 287.2 107.8 161.8#
100 0.0 30.3 45.5#



#44
2,2,4-Trimethylpentane
Concen: 0.014 ppbv
RT: 4.648 min Scan# 1409
Delta R.T. 0.003 min
Lab File: VL042559.D
Acq: 21 May 2025 10:55

Tgt Ion: 57 Resp: 656
Ion Ratio Lower Upper
57 100
41 73.5 25.0 37.4#
56 51.5 25.1 37.7#





#45

t-1,3-Dichloropropene

Concen: 0.015 ppbv

RT: 6.415 min Scan# 1955

Delta R.T. -0.010 min

Lab File: VL042559.D

Acq: 21 May 2025 10:55

Instrument :

MSVOA_L

ClientSampleId :

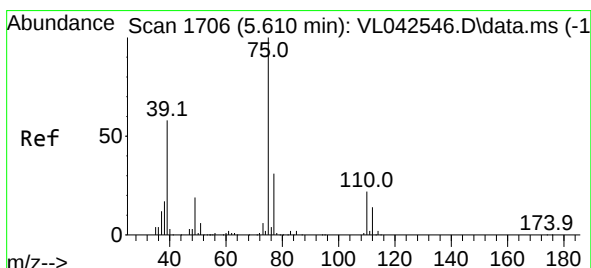
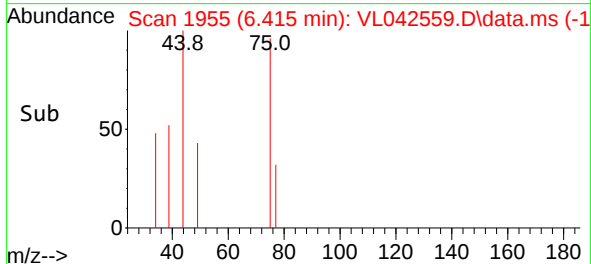
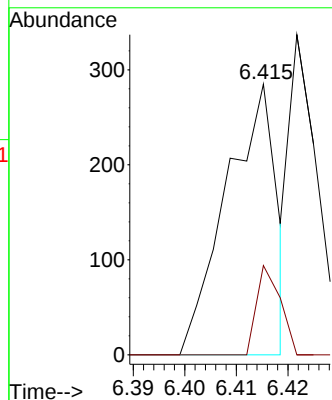
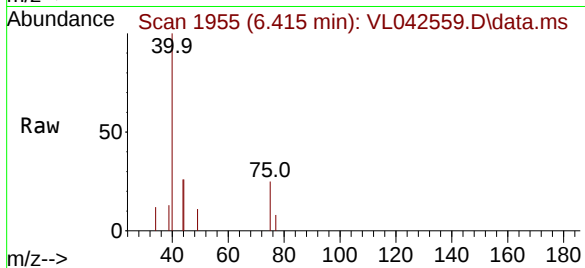
MDL 0.03

Tgt Ion: 75 Resp: 194

Ion Ratio Lower Upper

75 100

77 33.0 24.6 37.0



#46

cis-1,3-Dichloropropene

Concen: 0.013 ppbv

RT: 5.603 min Scan# 1704

Delta R.T. -0.007 min

Lab File: VL042559.D

Acq: 21 May 2025 10:55

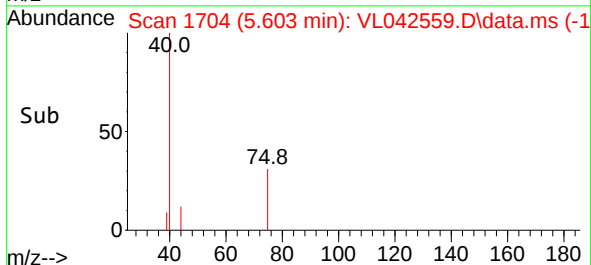
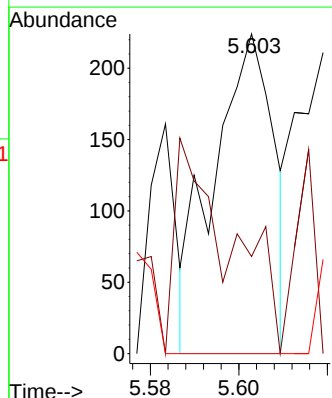
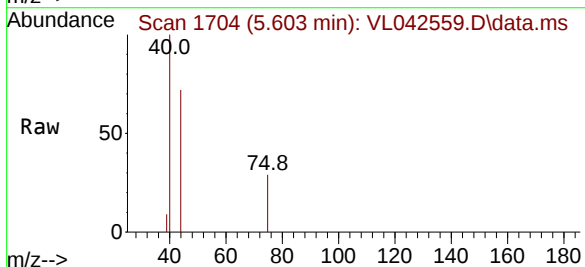
Tgt Ion: 75 Resp: 212

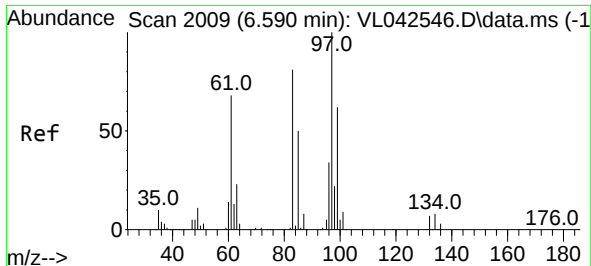
Ion Ratio Lower Upper

75 100

39 41.5 46.3 69.5#

77 0.0 25.0 37.6#





#47

1,1,2-Trichloroethane

Concen: 0.008 ppbv

RT: 6.587 min Scan# 2009

Delta R.T. -0.003 min

Lab File: VL042559.D

Acq: 21 May 2025 10:55

Instrument :

MSVOA_L

ClientSampleId :

MDL 0.03

Tgt Ion: 97 Resp: 107

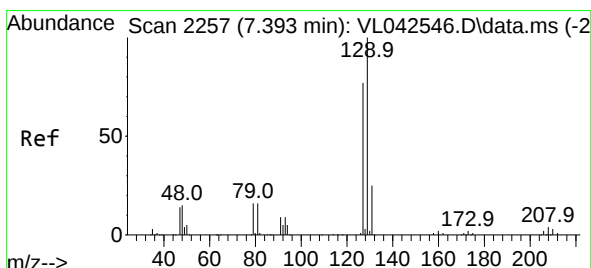
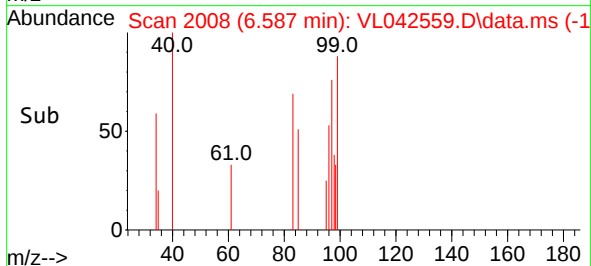
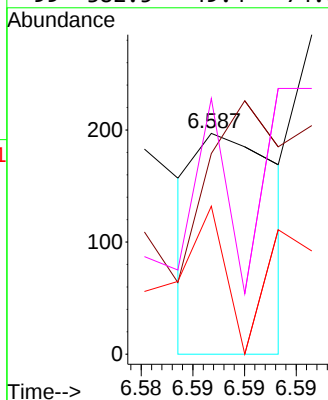
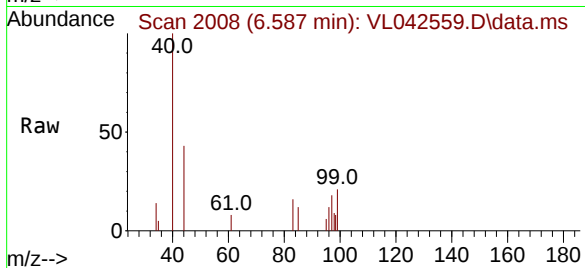
Ion Ratio Lower Upper

97 100

83 287.5 65.0 97.4#

85 167.5 39.9 59.9#

99 382.5 49.4 74.0#



#48

Dibromochloromethane

Concen: 0.010 ppbv

RT: 7.386 min Scan# 2255

Delta R.T. -0.007 min

Lab File: VL042559.D

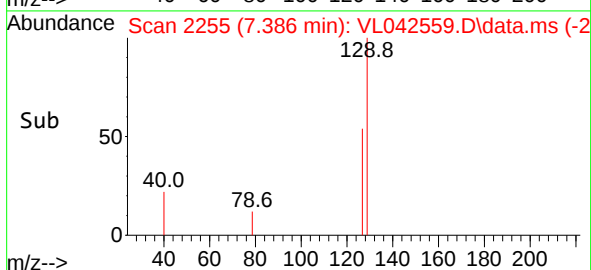
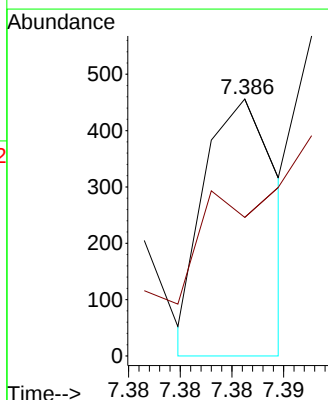
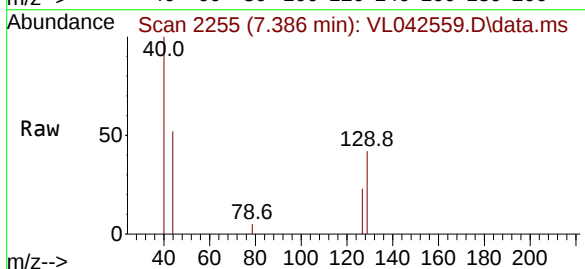
Acq: 21 May 2025 10:55

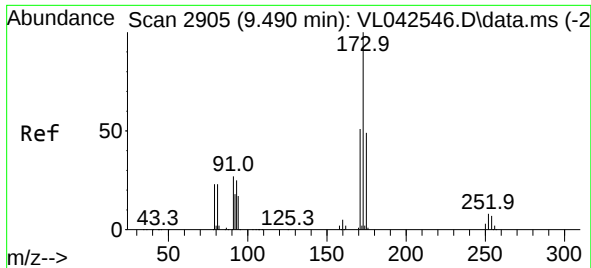
Tgt Ion: 129 Resp: 224

Ion Ratio Lower Upper

129 100

127 0.0 39.0 117.0#





#49

Bromoform

Concen: 0.018 ppbv

RT: 9.484 min Scan# 2905

Delta R.T. -0.007 min

Lab File: VL042559.D

Acq: 21 May 2025 10:55

Instrument :

MSVOA_L

ClientSampleId :

MDL 0.03

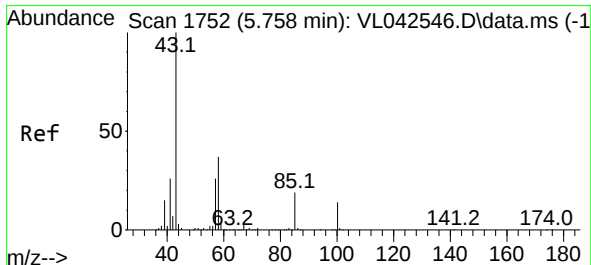
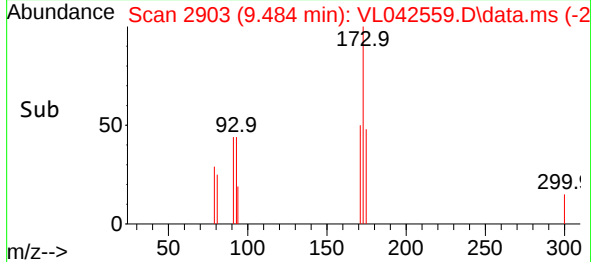
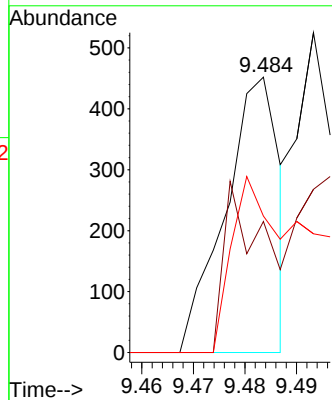
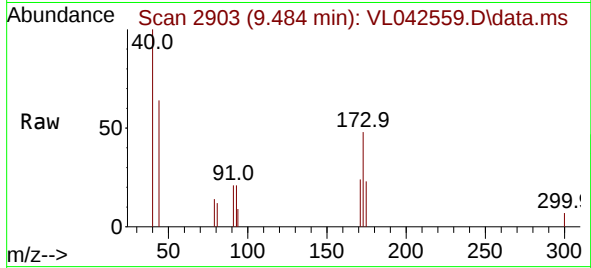
Tgt Ion:173 Resp: 332

Ion Ratio Lower Upper

173 100

175 0.0 39.2 58.8#

171 96.1 41.9 62.9#



#50

4-Methyl-2-Pentanone

Concen: 0.004 ppbv

RT: 5.771 min Scan# 1756

Delta R.T. 0.013 min

Lab File: VL042559.D

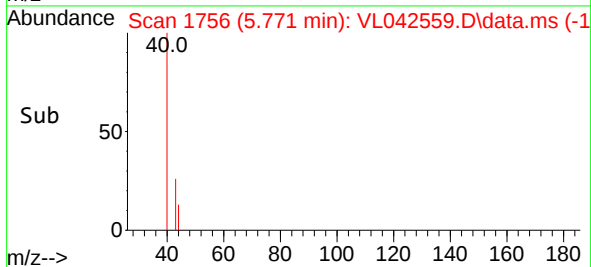
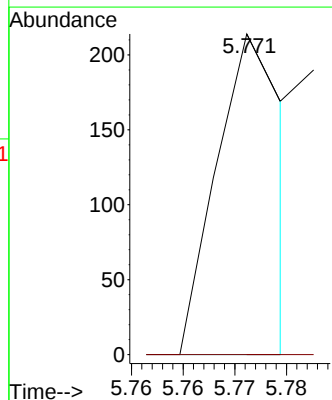
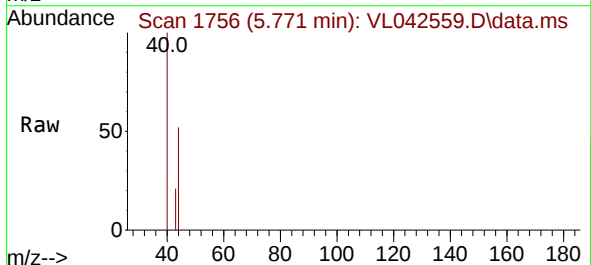
Acq: 21 May 2025 10:55

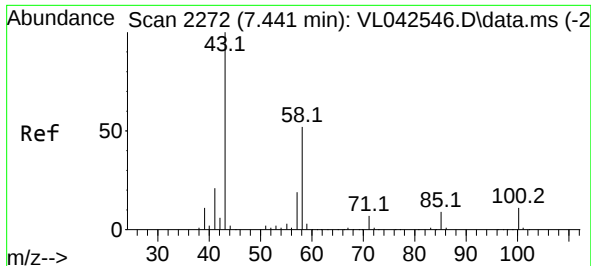
Tgt Ion: 43 Resp: 97

Ion Ratio Lower Upper

43 100

58 0.0 30.0 45.0#

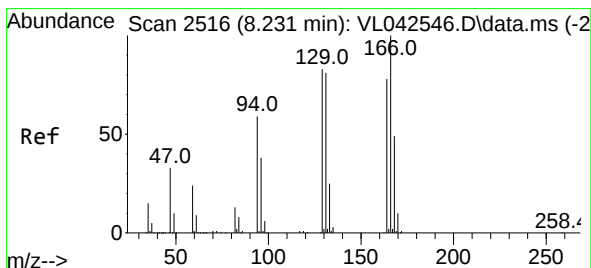
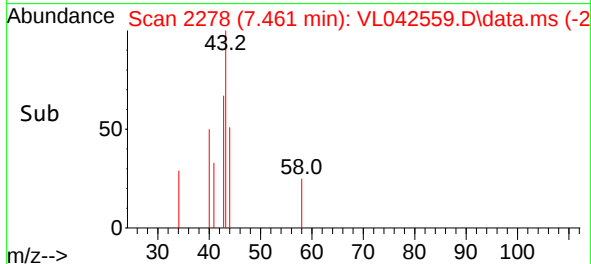
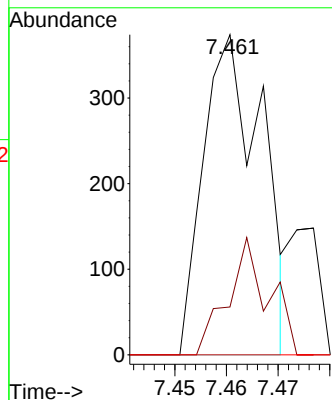
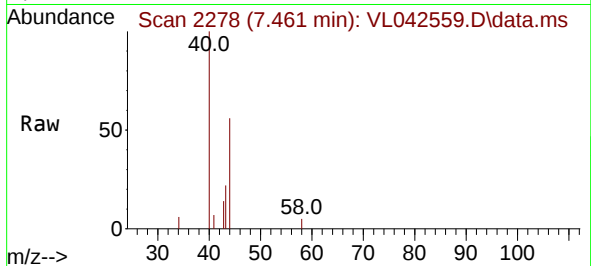




#51
2-Hexanone
Concen: 0.017 ppbv
RT: 7.461 min Scan# 21
Delta R.T. 0.019 min
Lab File: VL042559.D
Acq: 21 May 2025 10:55

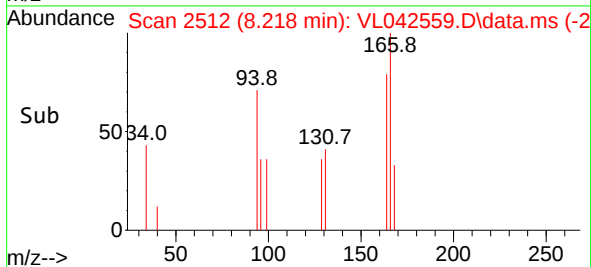
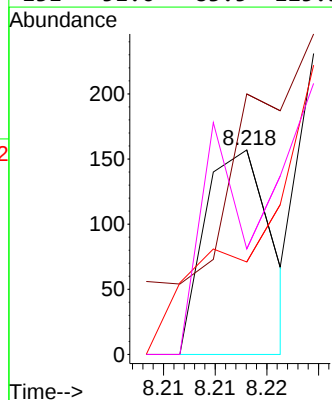
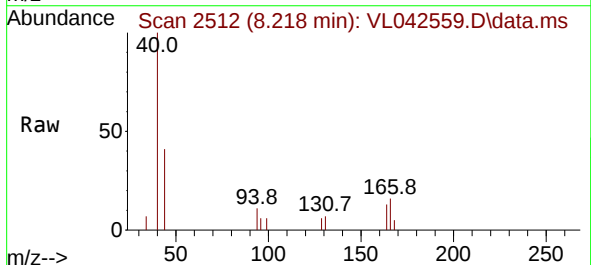
Instrument :
MSVOA_L
ClientSampleId :
MDL 0.03

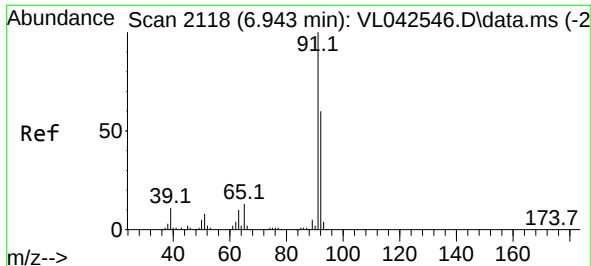
Tgt Ion: 43 Resp: 294
Ion Ratio Lower Upper
43 100
58 25.2 41.4 62.2#
98 0.0 0.4 0.6#



#52
Tetrachloroethene
Concen: 0.006 ppbv
RT: 8.218 min Scan# 2512
Delta R.T. -0.013 min
Lab File: VL042559.D
Acq: 21 May 2025 10:55

Tgt Ion: 164 Resp: 71
Ion Ratio Lower Upper
164 100
166 93.0 103.1 154.7#
129 10.2 85.3 127.9#
131 51.6 83.5 125.3#

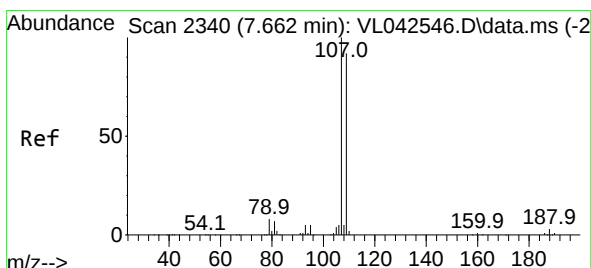
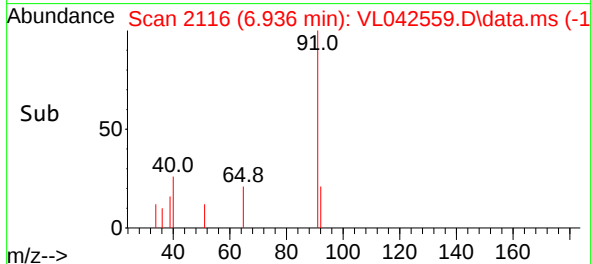
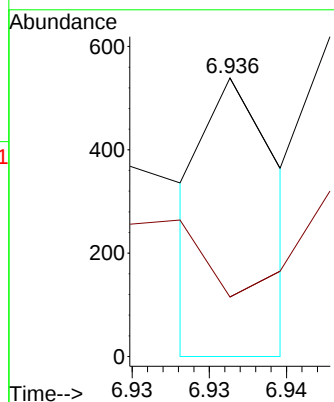
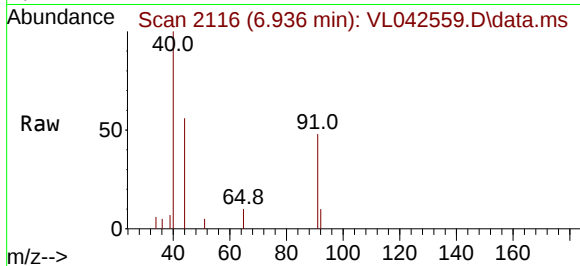




#53
Toluene
Concen: 0.005 ppbv
RT: 6.936 min Scan# 2118
Delta R.T. -0.007 min
Lab File: VL042559.D
Acq: 21 May 2025 10:55

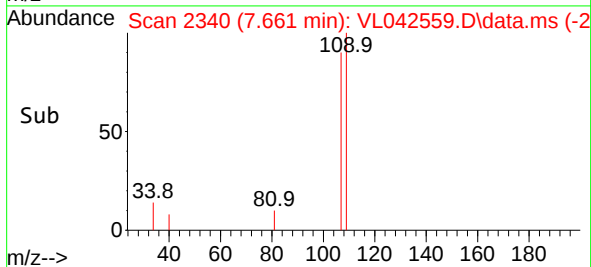
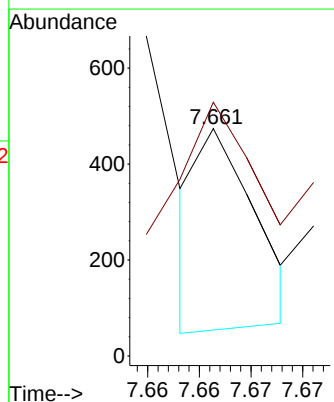
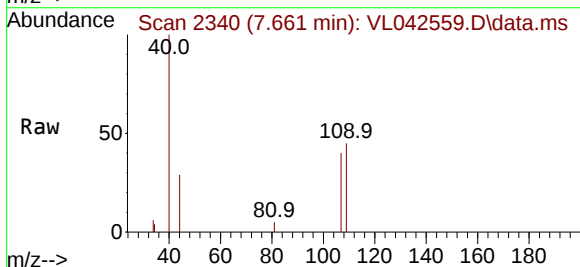
Instrument :
MSVOA_L
ClientSampleId :
MDL 0.03

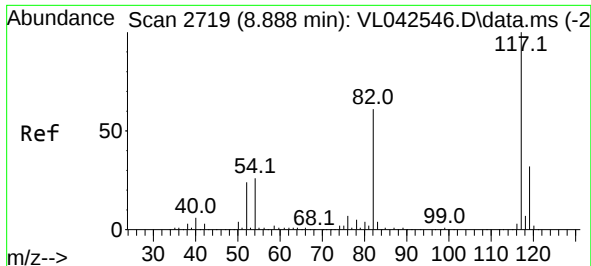
Tgt Ion: 91 Resp: 176
Ion Ratio Lower Upper
91 100
92 0.0 47.8 71.8#



#54
1,2-Dibromoethane
Concen: 0.009 ppbv
RT: 7.661 min Scan# 2340
Delta R.T. -0.000 min
Lab File: VL042559.D
Acq: 21 May 2025 10:55

Tgt Ion: 107 Resp: 161
Ion Ratio Lower Upper
107 100
109 89.8 73.4 110.2

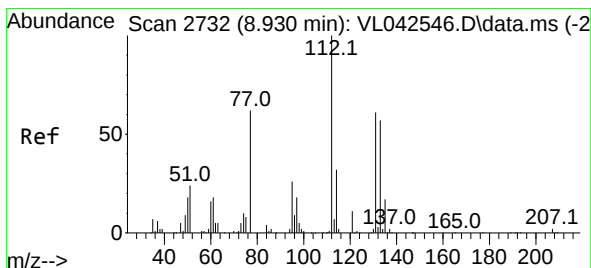
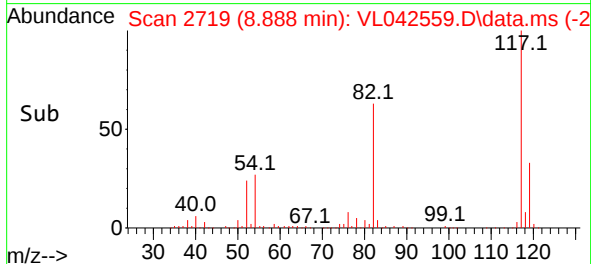
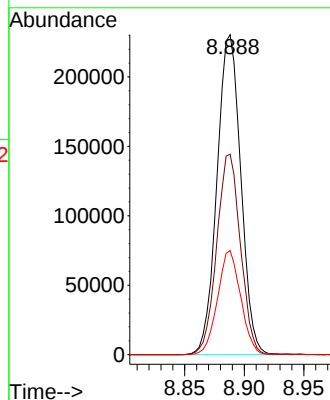
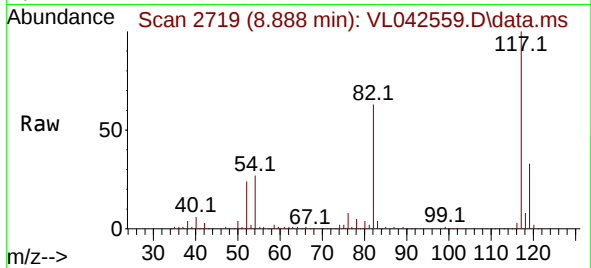




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.888 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL042559.D
Acq: 21 May 2025 10:55

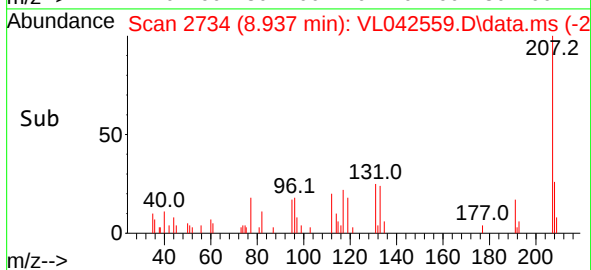
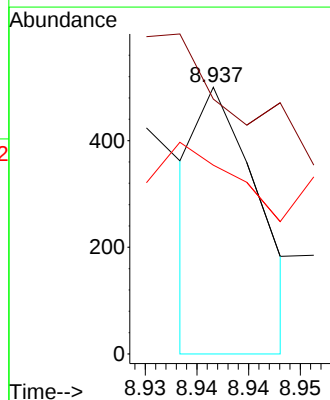
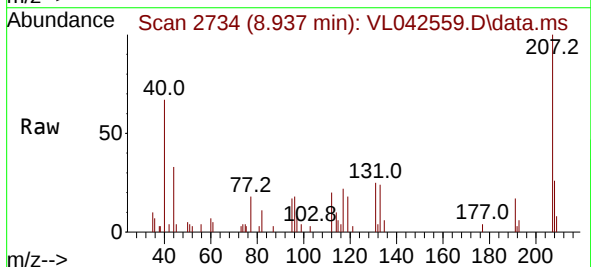
Instrument :
MSVOA_L
ClientSampleId :
MDL 0.03

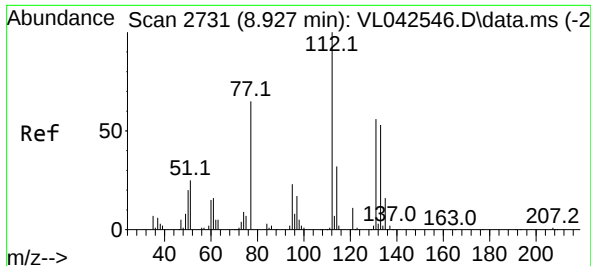
Tgt Ion:117 Resp: 320319
Ion Ratio Lower Upper
117 100
82 62.4 51.0 76.4
119 31.8 27.0 40.4



#56
1,1,1,2-Tetrachloroethane
Concen: 0.012 ppbv
RT: 8.937 min Scan# 2734
Delta R.T. 0.006 min
Lab File: VL042559.D
Acq: 21 May 2025 10:55

Tgt Ion:131 Resp: 202
Ion Ratio Lower Upper
131 100
133 532.7 76.3 114.5#
119 0.0 47.5 71.3#

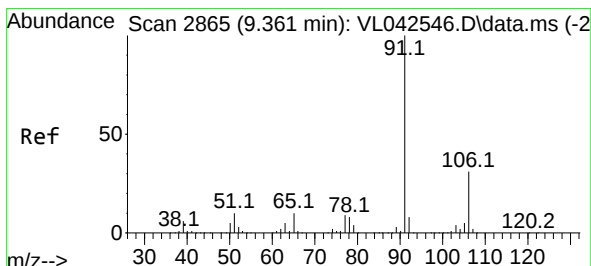
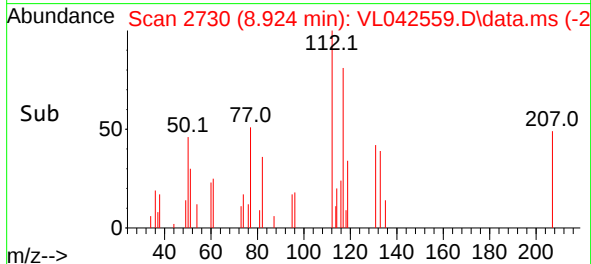
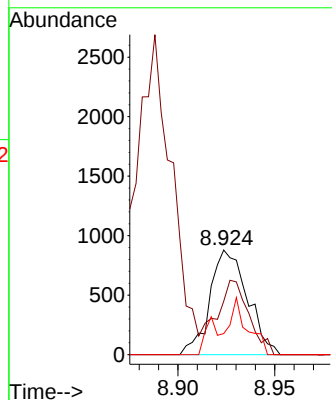
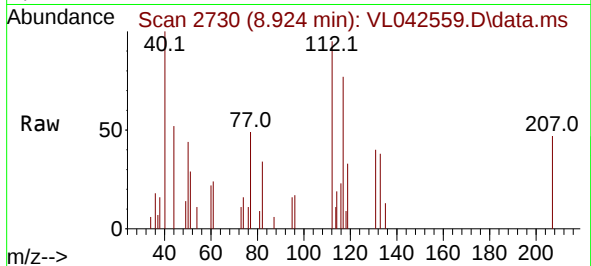




#57
Chlorobenzene
Concen: 0.042 ppbv
RT: 8.924 min Scan# 21186
Delta R.T. -0.003 min
Lab File: VL042559.D
Acq: 21 May 2025 10:55

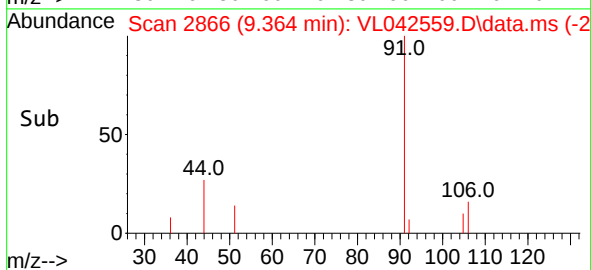
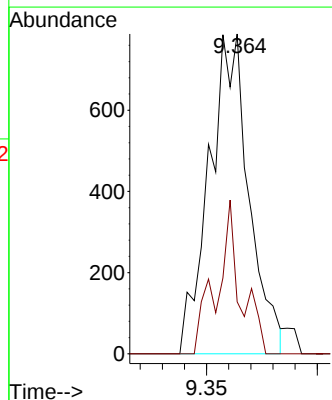
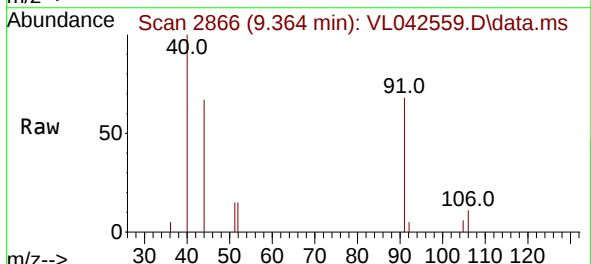
Instrument :
MSVOA_L
ClientSampleId :
MDL 0.03

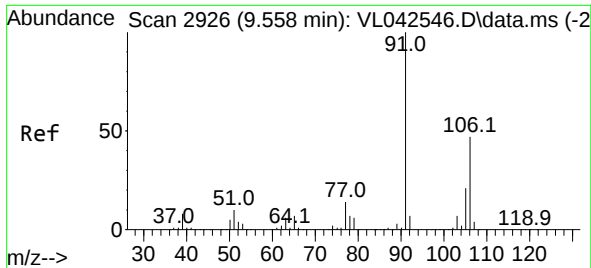
Tgt Ion:112 Resp: 1186
Ion Ratio Lower Upper
112 100
77 51.1 53.2 79.8#
114 20.1 28.4 34.8#



#58
Ethyl Benzene
Concen: 0.023 ppbv
RT: 9.364 min Scan# 2866
Delta R.T. 0.003 min
Lab File: VL042559.D
Acq: 21 May 2025 10:55

Tgt Ion: 91 Resp: 983
Ion Ratio Lower Upper
91 100
106 16.2 24.6 37.0#

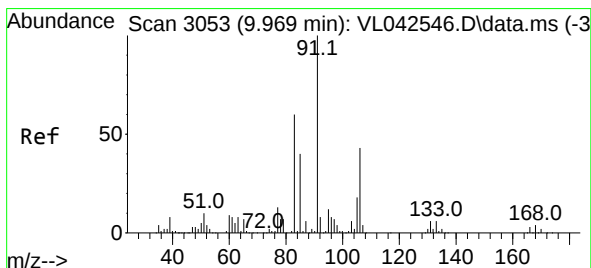
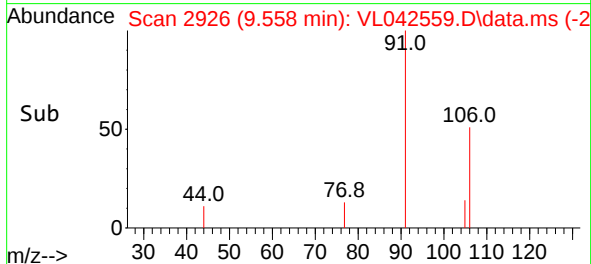
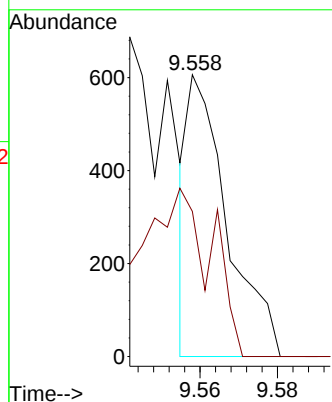
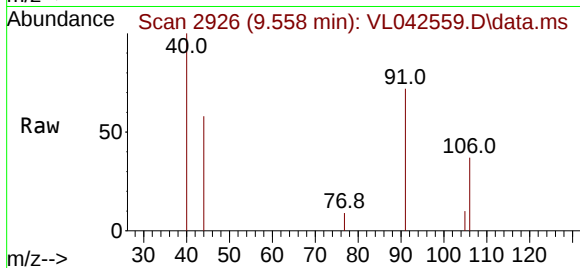




#59
 m/p-Xylene
 Concen: 0.012 ppbv
 RT: 9.558 min Scan# 2926
 Delta R.T. -0.000 min
 Lab File: VL042559.D
 Acq: 21 May 2025 10:55

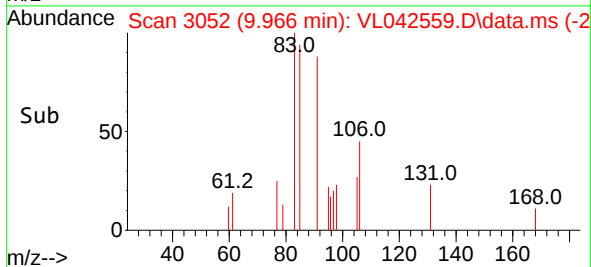
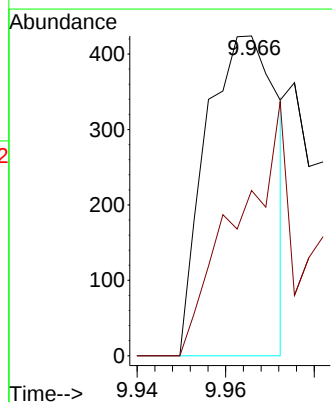
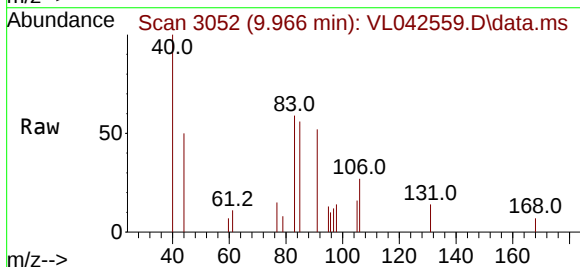
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL 0.03

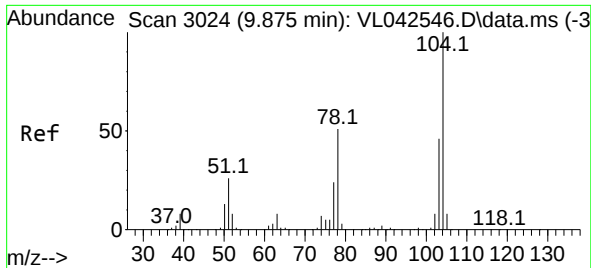
Tgt Ion: 91 Resp: 431
 Ion Ratio Lower Upper
 91 100
 106 149.7 37.1 55.7#



#60
 o-Xylene
 Concen: 0.013 ppbv
 RT: 9.966 min Scan# 3052
 Delta R.T. -0.003 min
 Lab File: VL042559.D
 Acq: 21 May 2025 10:55

Tgt Ion: 91 Resp: 472
 Ion Ratio Lower Upper
 91 100
 106 0.0 21.6 64.8#

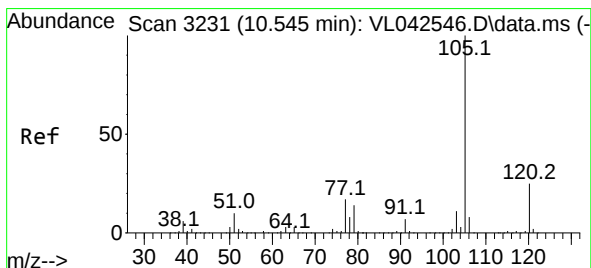
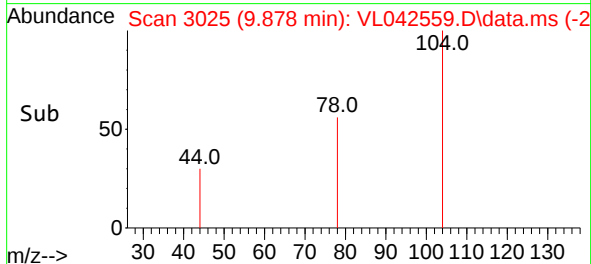
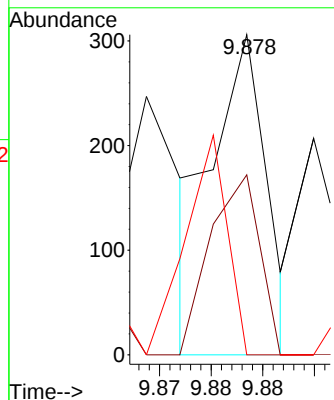
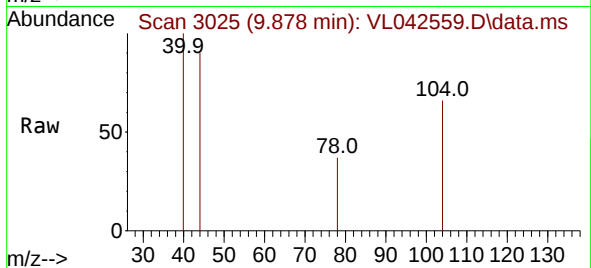




#61
Styrene
Concen: 0.008 ppbv
RT: 9.878 min Scan# 3024
Delta R.T. 0.003 min
Lab File: VL042559.D
Acq: 21 May 2025 10:55

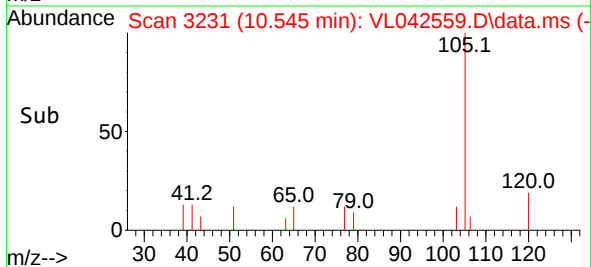
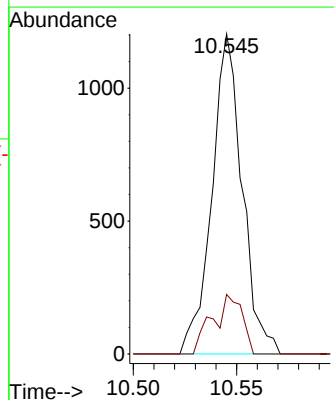
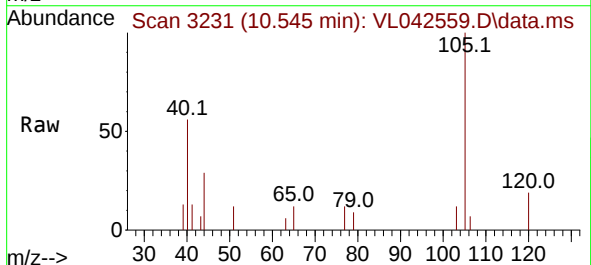
Instrument :
MSVOA_L
ClientSampleId :
MDL 0.03

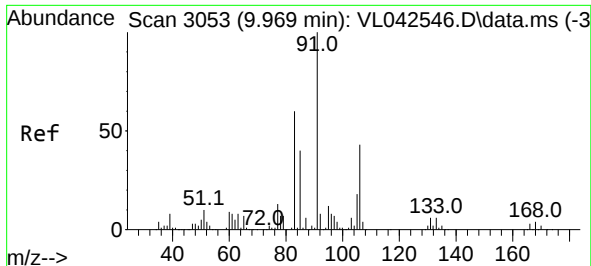
Tgt Ion:104 Resp: 109
Ion Ratio Lower Upper
104 100
78 0.0 39.2 58.8#
103 73.4 37.1 55.7#



#62
Isopropylbenzene
Concen: 0.023 ppbv
RT: 10.545 min Scan# 3231
Delta R.T. -0.000 min
Lab File: VL042559.D
Acq: 21 May 2025 10:55

Tgt Ion:105 Resp: 1227
Ion Ratio Lower Upper
105 100
120 18.1 20.0 30.0#





#63

1,1,2-Tetrachloroethane

Concen: 0.038 ppbv

RT: 9.969 min Scan# 3053

Delta R.T. -0.000 min

Lab File: VL042559.D

Acq: 21 May 2025 10:55

Instrument :

MSVOA_L

ClientSampleId :

MDL 0.03

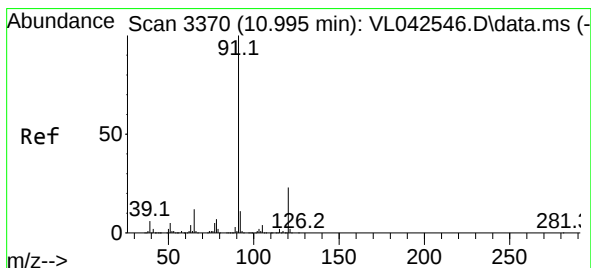
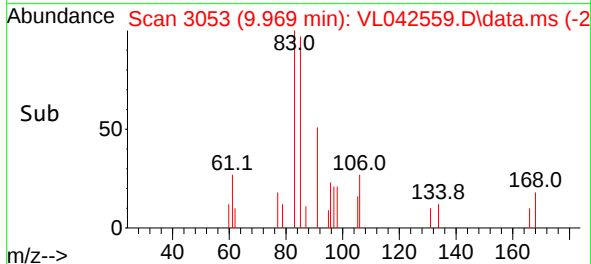
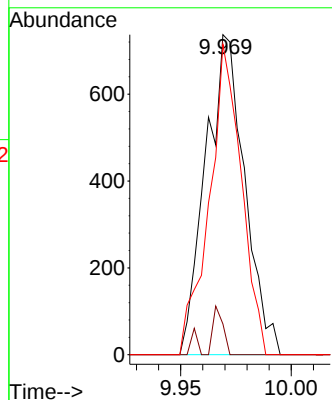
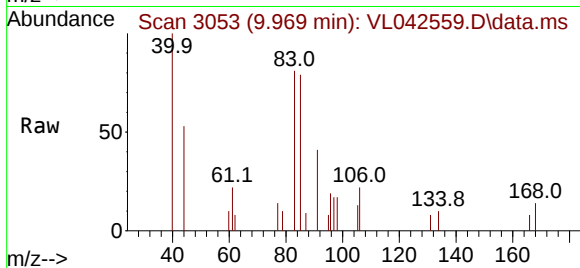
Tgt Ion: 83 Resp: 902

Ion Ratio Lower Upper

83 100

131 5.2 5.1 15.3

85 79.9 32.5 97.4



#64

n-propylbenzene

Concen: 0.020 ppbv

RT: 10.998 min Scan# 3371

Delta R.T. 0.003 min

Lab File: VL042559.D

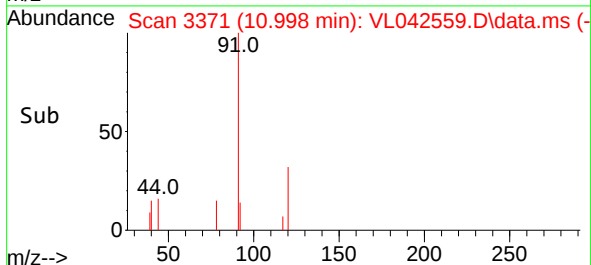
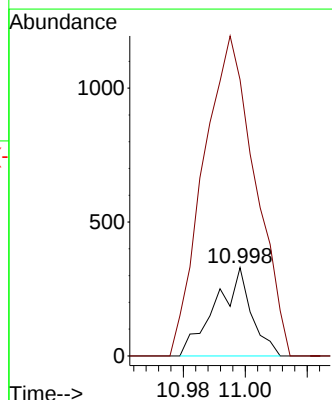
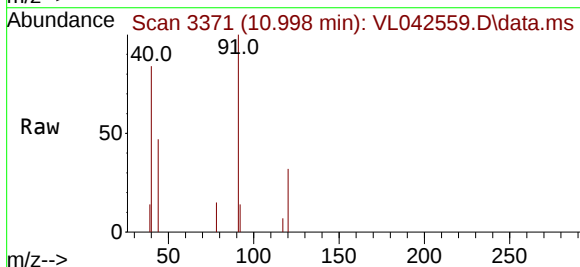
Acq: 21 May 2025 10:55

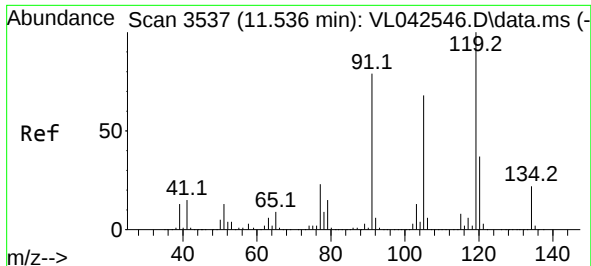
Tgt Ion: 120 Resp: 268

Ion Ratio Lower Upper

120 100

91 519.0 367.0 550.4

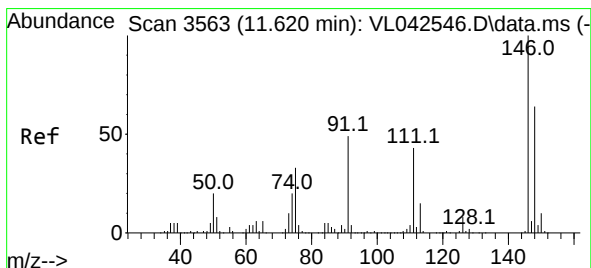
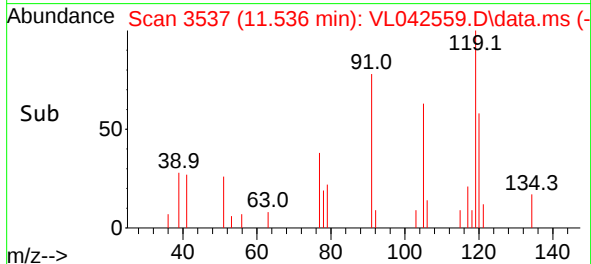
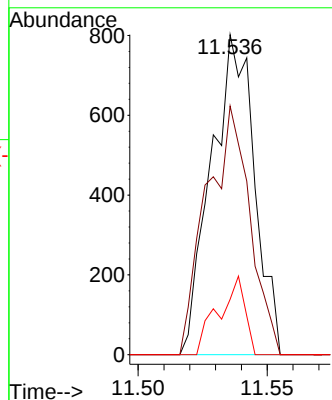
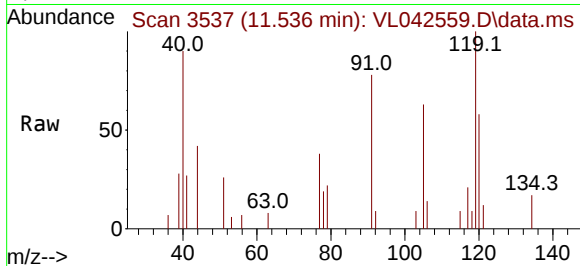




#65
tert-Butylbenzene
Concen: 0.019 ppbv
RT: 11.536 min Scan# 3537
Delta R.T. -0.000 min
Lab File: VL042559.D
Acq: 21 May 2025 10:55

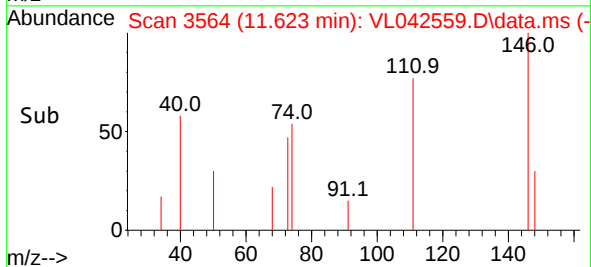
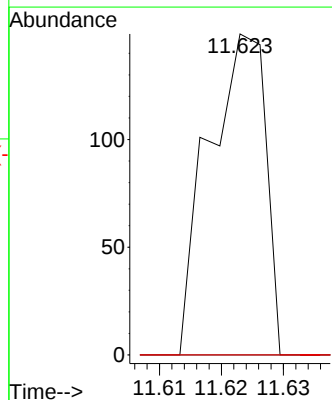
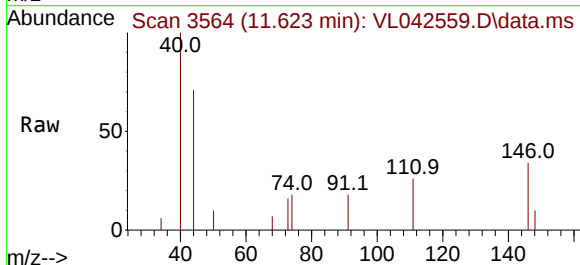
Instrument :
MSVOA_L
ClientSampleId :
MDL 0.03

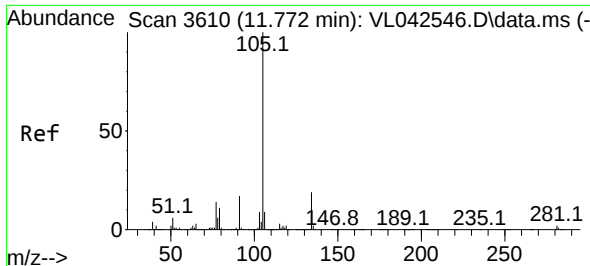
Tgt Ion:119 Resp: 934
Ion Ratio Lower Upper
119 100
91 77.7 62.7 94.1
134 15.0 16.8 25.2#



#66
Benzyl Chloride
Concen: 0.016 ppbv
RT: 11.623 min Scan# 3564
Delta R.T. 0.003 min
Lab File: VL042559.D
Acq: 21 May 2025 10:55

Tgt Ion: 91 Resp: 95
Ion Ratio Lower Upper
91 100
126 0.0 14.2 21.2#
128 0.0 4.6 6.8#

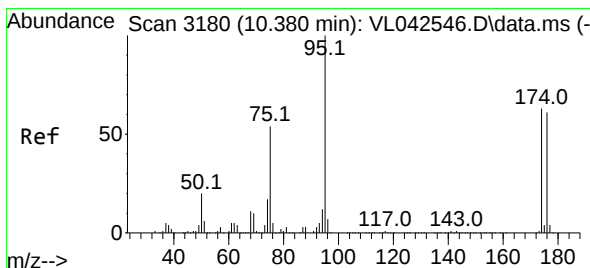
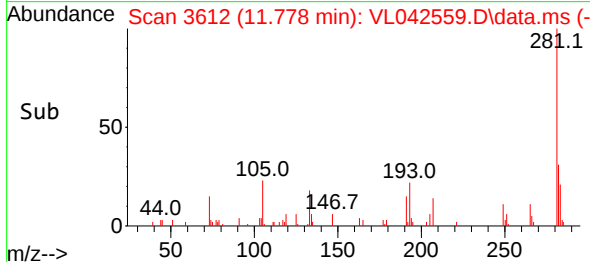
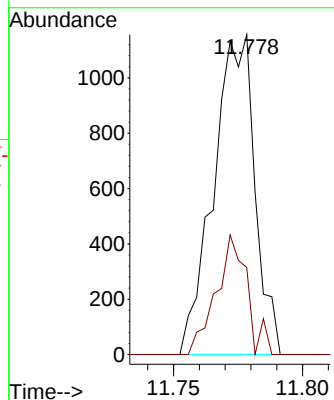
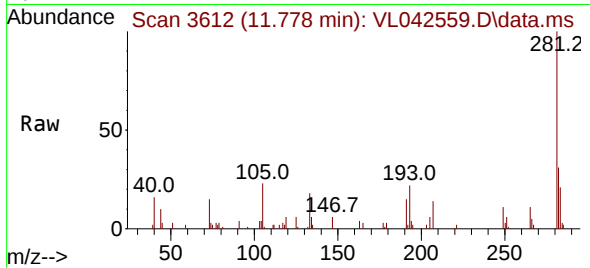




#67
 sec-Butylbenzene
 Concen: 0.019 ppbv
 RT: 11.778 min Scan# 3610
 Delta R.T. 0.006 min
 Lab File: VL042559.D
 Acq: 21 May 2025 10:55

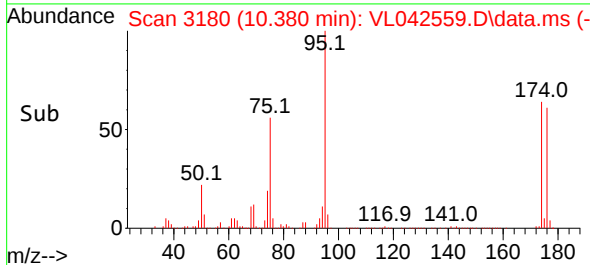
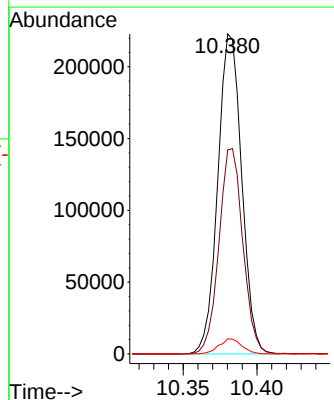
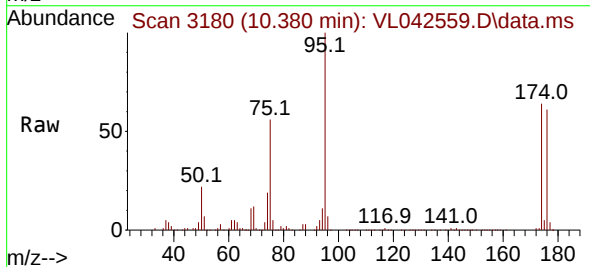
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL 0.03

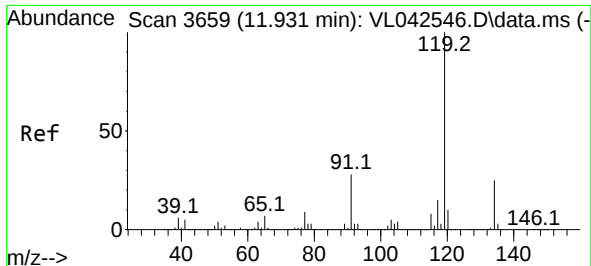
Tgt Ion:105 Resp: 1288
 Ion Ratio Lower Upper
 105 100
 134 28.0 15.4 23.2#



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.811 ppbv
 RT: 10.380 min Scan# 3180
 Delta R.T. -0.000 min
 Lab File: VL042559.D
 Acq: 21 May 2025 10:55

Tgt Ion: 95 Resp: 251528
 Ion Ratio Lower Upper
 95 100
 174 64.1 52.0 78.0
 175 4.5 3.8 5.6





#69

p-Isopropyltoluene

Concen: 0.013 ppbv

RT: 11.930 min Scan# 3659

Delta R.T. -0.000 min

Lab File: VL042559.D

Acq: 21 May 2025 10:55

Instrument :

MSVOA_L

ClientSampleId :

MDL 0.03

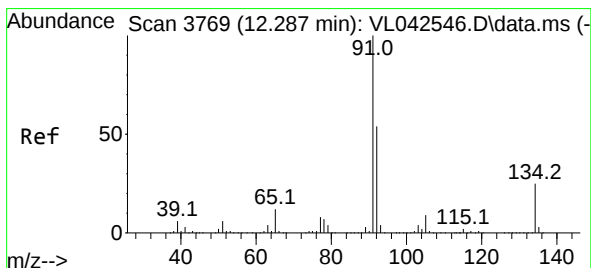
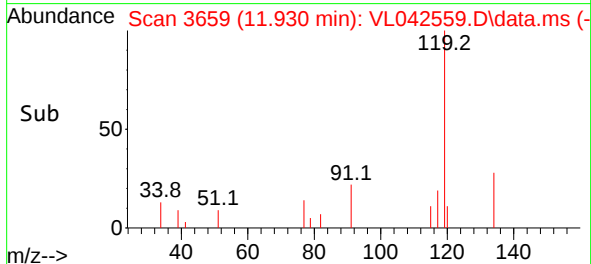
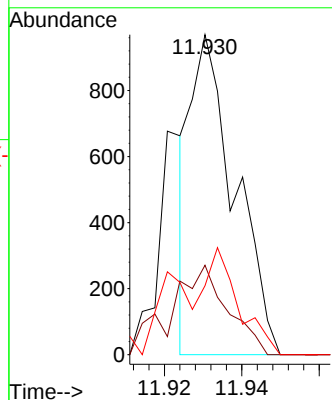
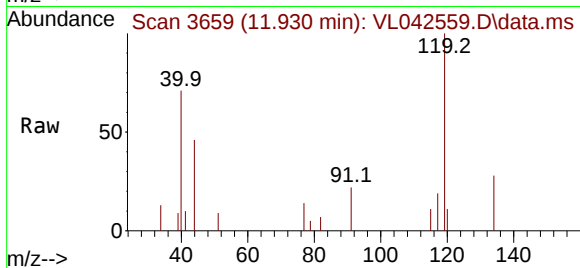
Tgt Ion:119 Resp: 768

Ion Ratio Lower Upper

119 100

134 35.9 20.1 30.1#

91 45.7 22.3 33.5#



#70

n-Butylbenzene

Concen: 0.013 ppbv

RT: 12.287 min Scan# 3769

Delta R.T. -0.000 min

Lab File: VL042559.D

Acq: 21 May 2025 10:55

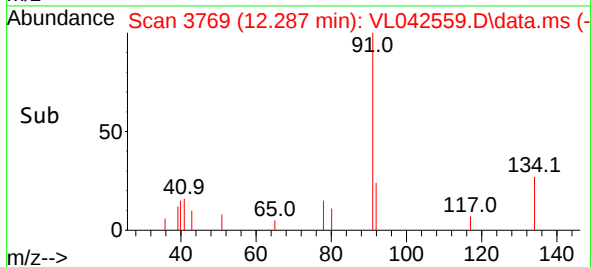
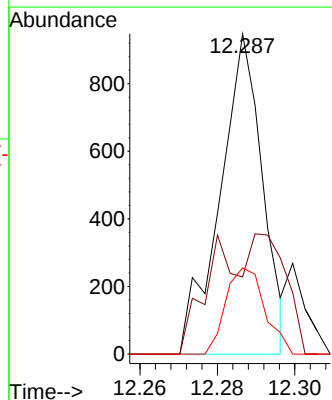
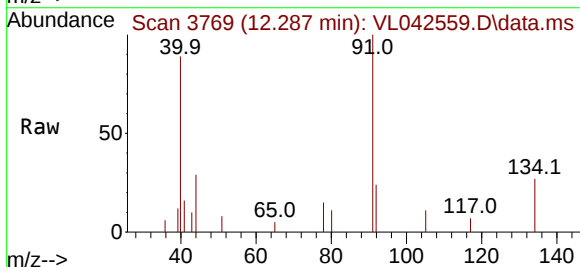
Tgt Ion: 91 Resp: 722

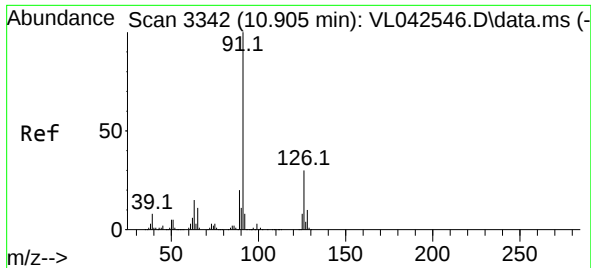
Ion Ratio Lower Upper

91 100

92 62.0 43.8 65.6

134 24.8 19.7 29.5

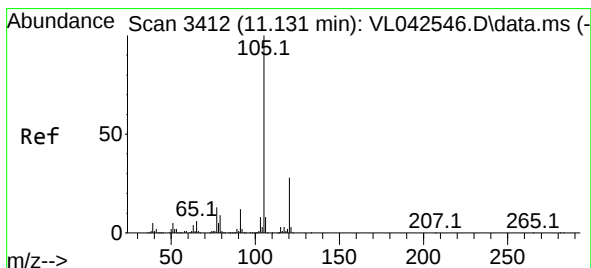
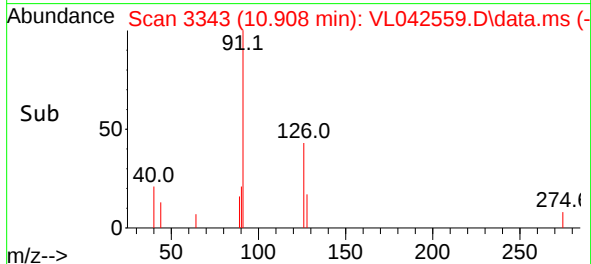
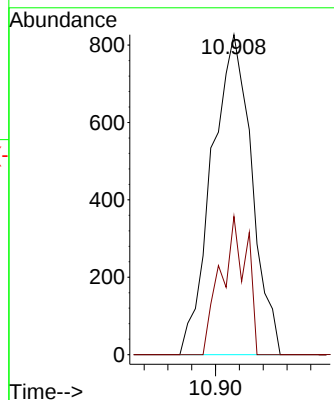
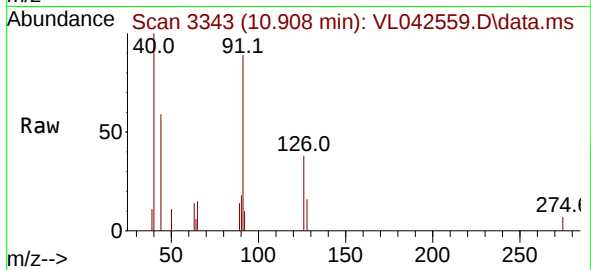




#71
2-Chlorotoluene
Concen: 0.025 ppbv
RT: 10.908 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL042559.D
Acq: 21 May 2025 10:55

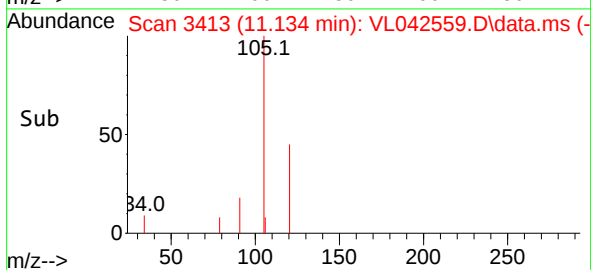
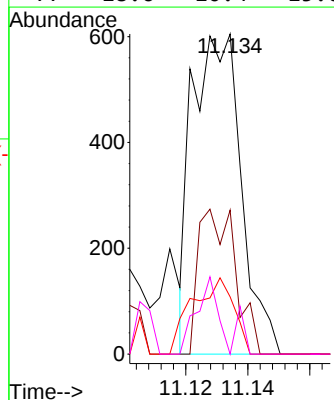
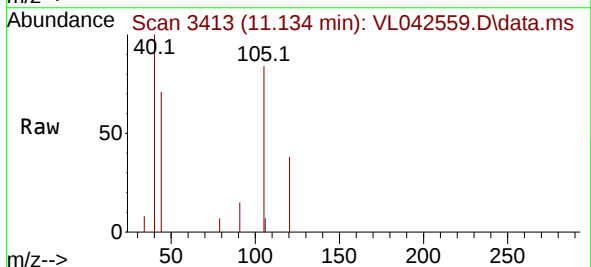
Instrument :
MSVOA_L
ClientSampleId :
MDL 0.03

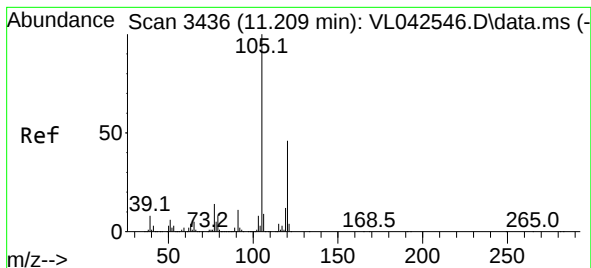
Tgt Ion: 91 Resp: 964
Ion Ratio Lower Upper
91 100
126 28.1 12.4 49.4



#72
4-Ethyltoluene
Concen: 0.015 ppbv
RT: 11.134 min Scan# 3413
Delta R.T. 0.003 min
Lab File: VL042559.D
Acq: 21 May 2025 10:55

Tgt Ion: 105 Resp: 661
Ion Ratio Lower Upper
105 100
120 41.3 23.4 35.0#
91 22.4 10.2 15.4#
77 18.6 10.4 15.6#





#73

1,3,5-Trimethylbenzene

Concen: 0.021 ppbv

RT: 11.209 min Scan# 3436

Delta R.T. -0.000 min

Lab File: VL042559.D

Acq: 21 May 2025 10:55

Instrument :

MSVOA_L

ClientSampleId :

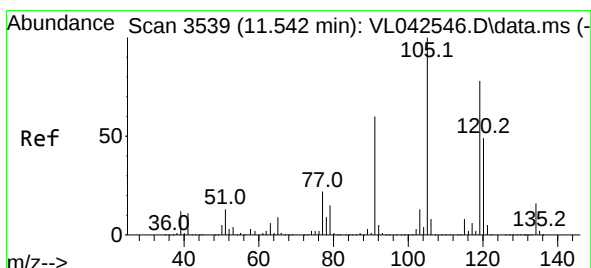
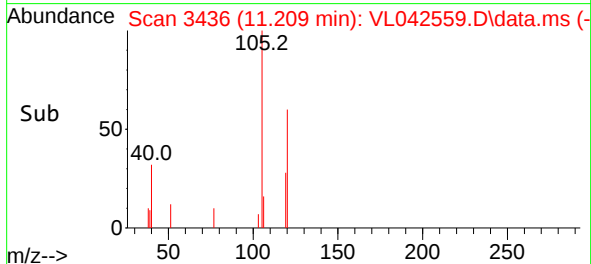
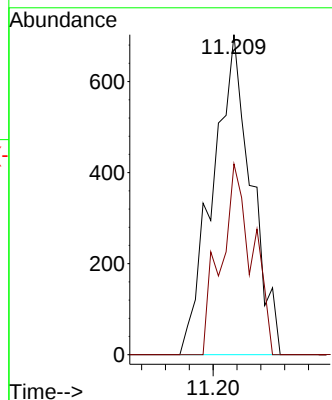
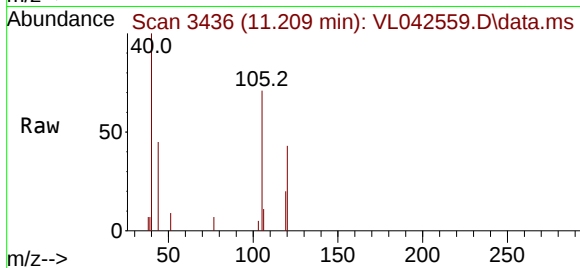
MDL 0.03

Tgt Ion:105 Resp: 789

Ion Ratio Lower Upper

105 100

120 59.6 36.5 54.7#



#74

1,2,4-Trimethylbenzene

Concen: 0.023 ppbv

RT: 11.539 min Scan# 3538

Delta R.T. -0.003 min

Lab File: VL042559.D

Acq: 21 May 2025 10:55

Tgt Ion:105 Resp: 1035

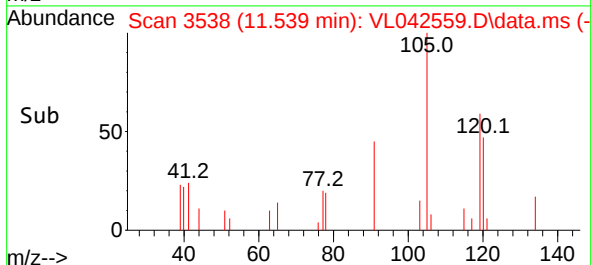
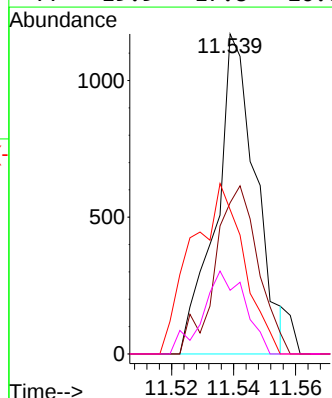
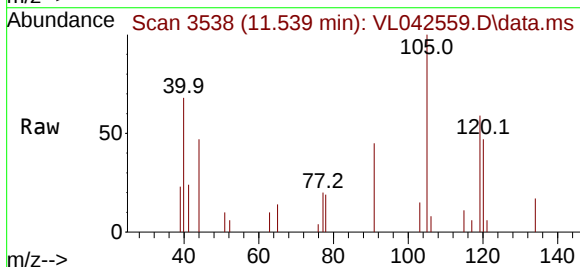
Ion Ratio Lower Upper

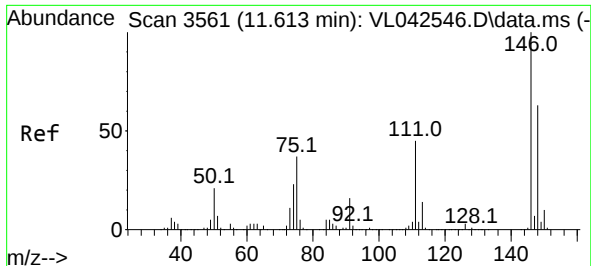
105 100

120 47.3 39.4 59.0

91 45.1 47.8 71.8#

77 19.9 17.8 26.6

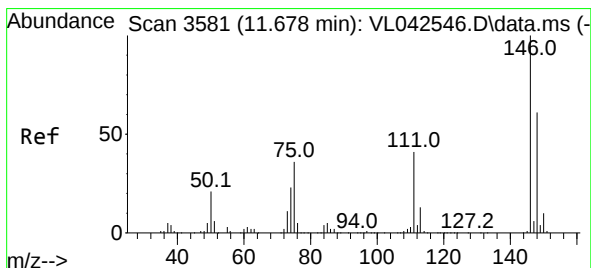
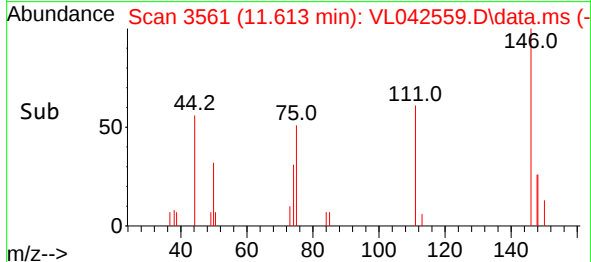
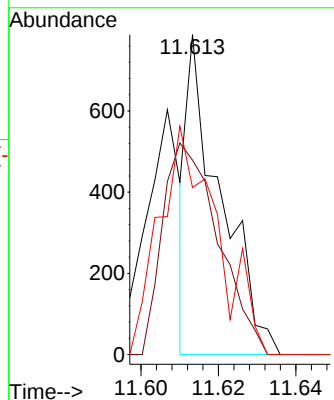
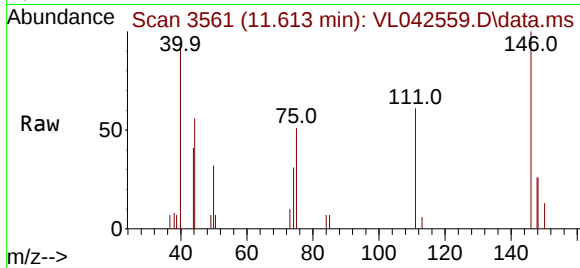




#75
1,3-Dichlorobenzene
Concen: 0.017 ppbv
RT: 11.613 min Scan# 3561
Delta R.T. -0.000 min
Lab File: VL042559.D
Acq: 21 May 2025 10:55

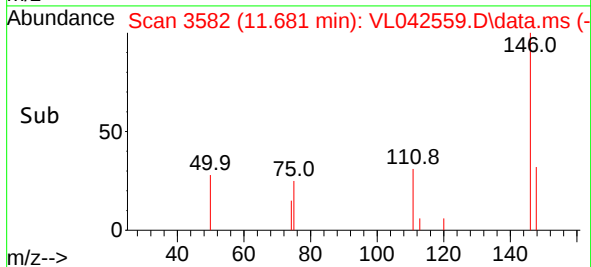
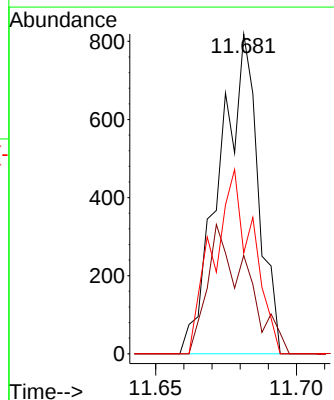
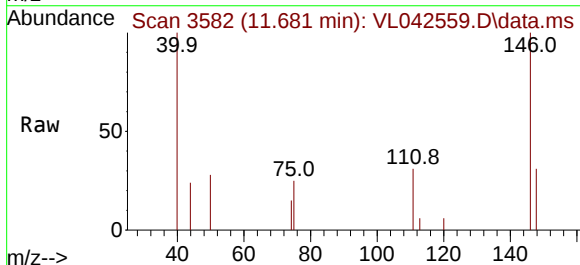
Instrument :
MSVOA_L
ClientSampleId :
MDL 0.03

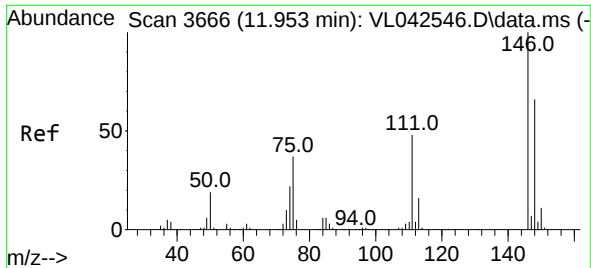
Tgt Ion:146 Resp: 469
Ion Ratio Lower Upper
146 100
111 111.5 22.8 68.4#
148 123.2 31.6 94.8#



#76
1,4-Dichlorobenzene
Concen: 0.029 ppbv
RT: 11.681 min Scan# 3582
Delta R.T. 0.003 min
Lab File: VL042559.D
Acq: 21 May 2025 10:55

Tgt Ion:146 Resp: 781
Ion Ratio Lower Upper
146 100
111 41.0 21.8 65.3
148 59.2 31.4 94.3

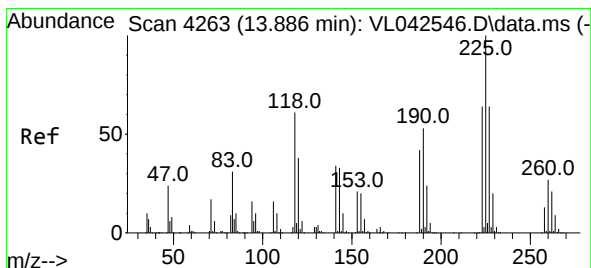
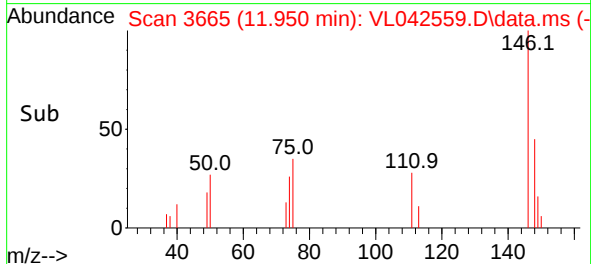
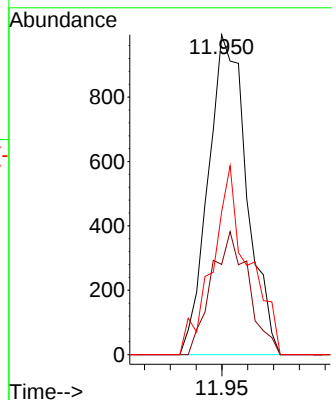
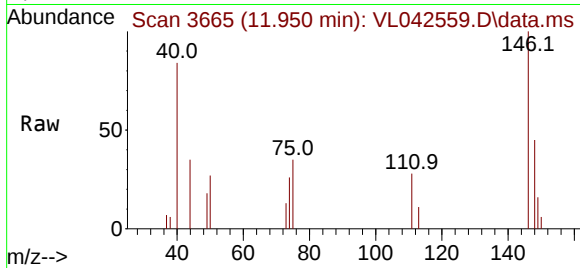




#77
1,2-Dichlorobenzene
Concen: 0.037 ppbv
RT: 11.950 min Scan# 30
Delta R.T. -0.003 min
Lab File: VL042559.D
Acq: 21 May 2025 10:55

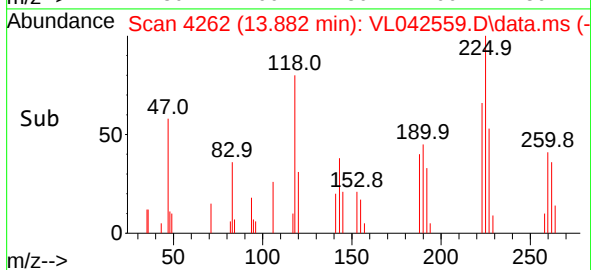
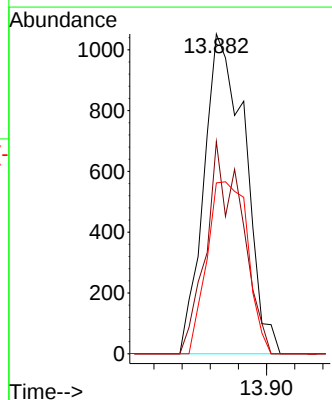
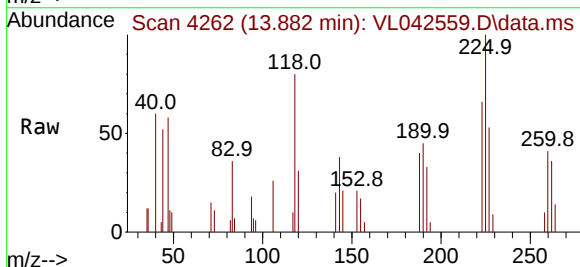
Instrument :
MSVOA_L
ClientSampleId :
MDL 0.03

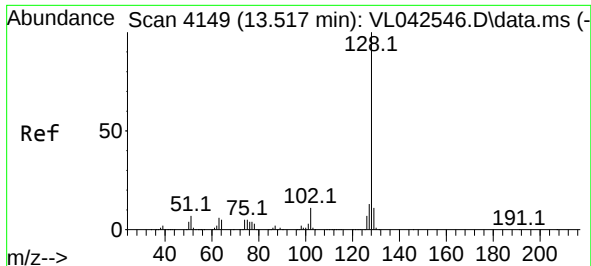
Tgt Ion:146	Resp:	1034
Ion	Ratio	Lower Upper
146	100	
111	36.9	23.7 71.1
148	54.9	32.3 96.9



#78
Hexachloro-1,3-Butadiene
Concen: 0.046 ppbv
RT: 13.882 min Scan# 4262
Delta R.T. -0.003 min
Lab File: VL042559.D
Acq: 21 May 2025 10:55

Tgt Ion:225	Resp:	1062
Ion	Ratio	Lower Upper
225	100	
223	57.4	51.0 76.6
227	53.3	50.2 75.4

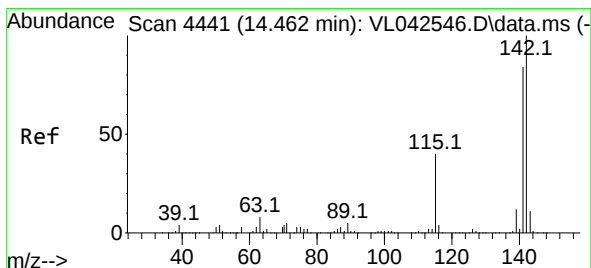
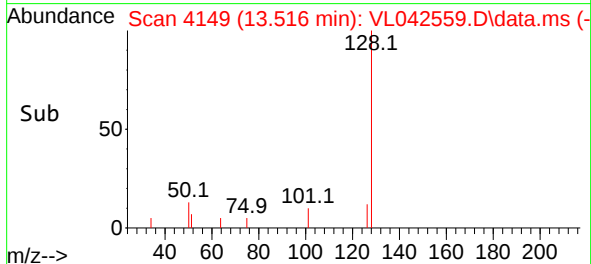
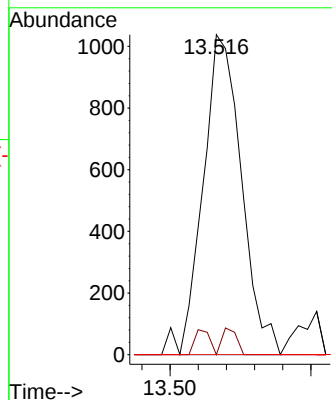
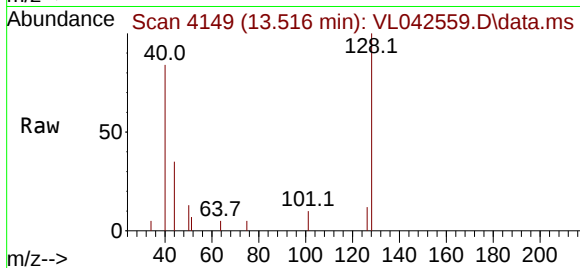




#79
Naphthalene
Concen: 0.028 ppbv
RT: 13.516 min Scan# 4149
Delta R.T. -0.000 min
Lab File: VL042559.D
Acq: 21 May 2025 10:55

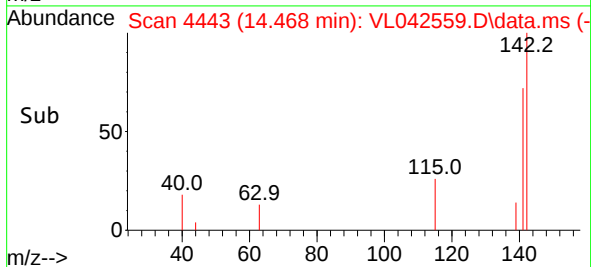
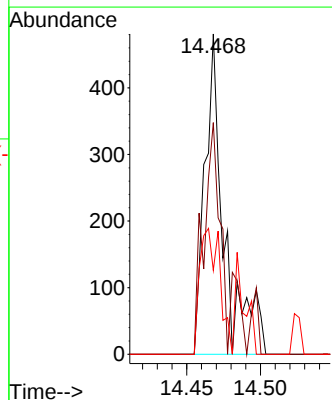
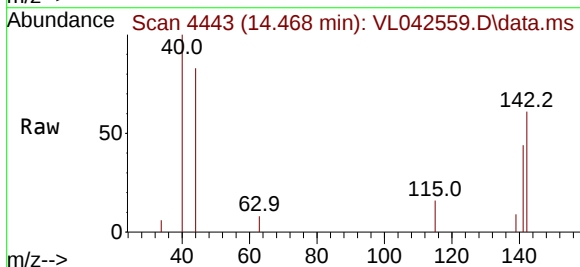
Instrument :
MSVOA_L
ClientSampleId :
MDL 0.03

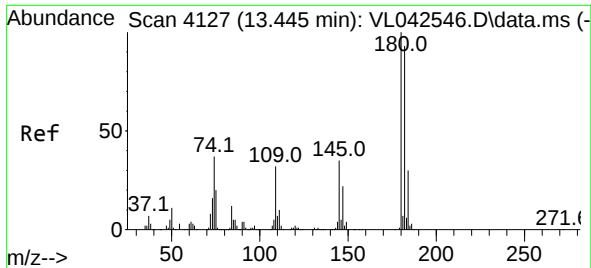
Tgt Ion:128 Resp: 971
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 9.0 13.4#



#80
Naphthalene,2-methyl-
Concen: 0.025 ppbv
RT: 14.468 min Scan# 4443
Delta R.T. 0.006 min
Lab File: VL042559.D
Acq: 21 May 2025 10:55

Tgt Ion:142 Resp: 442
Ion Ratio Lower Upper
142 100
141 79.2 67.4 101.0
115 55.7 31.5 47.3#





#81

1,2,4-Trichlorobenzene

Concen: 0.030 ppbv

RT: 13.445 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL042559.D

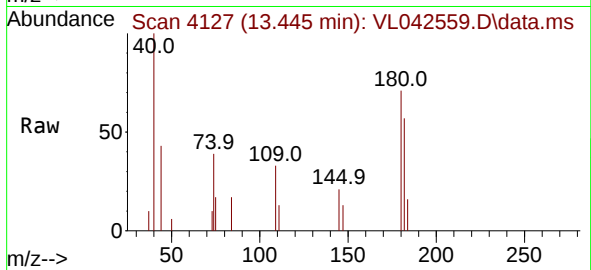
Acq: 21 May 2025 10:55

Instrument :

MSVOA_L

ClientSampleId :

MDL 0.03



Tgt Ion:	180	Resp:	608
Ion	Ratio	Lower	Upper
180	100		
182	90.3	75.6	113.4
184	21.9	23.7	35.5#

