

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052025\
 Data File : VL042547.D
 Acq On : 20 May 2025 09:46
 Operator : SY/MD
 Sample : VSTDICC002
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002

Quant Time: May 20 23:25:02 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 : Tue May 20 23:22:25 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.797	49	121370	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.972	114	416026	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.895	117	368613	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.387	95	290806	9.857	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.600%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	46846	2.064	ppbv	97
3) Chlorodifluoromethane	1.479	51	38828	2.077	ppbv	100
4) Chloromethane	1.538	50	15072	2.061	ppbv	100
5) Vinyl Chloride	1.583	62	15693	1.947	ppbv	98
6) Bromomethane	1.674	94	9545	2.058	ppbv	97
7) Chloroethane	1.709	64	6704	2.068	ppbv	98
8) Dichlorotetrafluoroethane	1.557	85	40280	2.095	ppbv	98
9) Propene	1.489	41	13677	2.104	ppbv	99
10) Heptane	4.998	43	36257	2.118	ppbv	99
11) Trichlorofluoromethane	1.884	101	49043	2.070	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.146	101	39934	2.090	ppbv	100
13) Ethanol	1.725	45	1812	1.923	ppbv	96
14) Bromoethene	1.787	108	14842	2.057	ppbv	96
15) Acetone	1.842	43	37081	2.192	ppbv	99
16) 1,3-Butadiene	1.612	39	14253	2.076	ppbv	90
17) tert-Butyl alcohol	2.046	59	39580	2.025	ppbv	99
18) 1,1-Dichloroethene	2.039	96	17753	2.056	ppbv	91
19) Isopropyl Alcohol	1.891	45	19357	2.013	ppbv #	77
20) Methylene Chloride	2.069	84	16564	2.023	ppbv	94
21) Allyl Chloride	2.104	41	22331	2.061	ppbv	99
22) trans-1,2-Dichloroethene	2.350	96	19221	2.006	ppbv	94
23) Vinyl Acetate	2.470	43	38993	1.986	ppbv #	97
24) 1,1-Dichloroethane	2.418	63	34313	2.089	ppbv	100
25) Ethyl Acetate	2.845	43	68190	2.086	ppbv	98
26) Hexane	2.836	57	30904	2.091	ppbv	96
27) Carbon Disulfide	2.156	76	44724	2.089	ppbv #	90
28) Methyl tert-Butyl Ether	2.447	73	20955	2.104	ppbv	100
29) Chloroform	2.855	83	57738	2.065	ppbv	97
30) Cyclohexane	3.871	84	27044	2.115	ppbv	98
31) cis-1,2-Dichloroethene	2.729	61	33559	2.065	ppbv	96
32) 1,1,1-Trichloroethane	3.379	97	57041	1.997	ppbv	99
34) 2-Butanone	2.567	43	45382	2.055	ppbv	98
35) Carbon Tetrachloride	3.774	117	61000	1.924	ppbv	98
36) Benzene	3.671	78	68454	2.033	ppbv	97
37) 1,2-Dichloroethane	3.227	62	41704	2.027	ppbv	99
38) Trichloroethene	4.564	130	31295	2.037	ppbv	97
39) 1,2-Dichloropropane	4.328	63	24417	2.066	ppbv	98
40) 1,4-Dioxane	4.606	88	10273	1.932	ppbv #	75
41) Tetrahydrofuran	3.069	42	22003	2.044	ppbv	99
42) Bromodichloromethane	4.506	83	59264	2.042	ppbv	99
43) Methyl Methacrylate	4.901	69	23295	2.043	ppbv	99
44) 2,2,4-Trimethylpentane	4.655	57	108048	2.099	ppbv	99
45) t-1,3-Dichloropropene	6.435	75	29249	2.011	ppbv	97

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 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

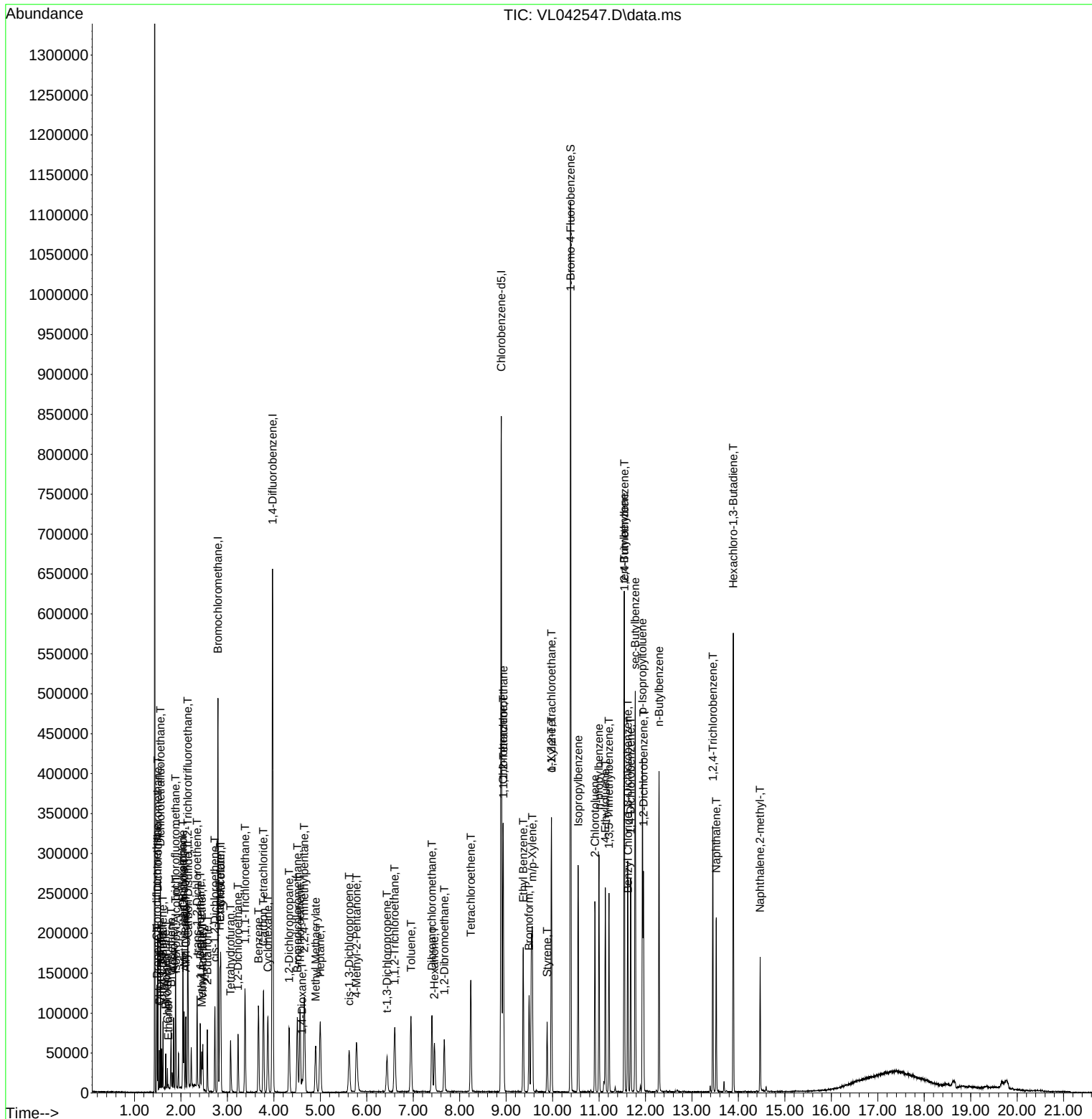
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002

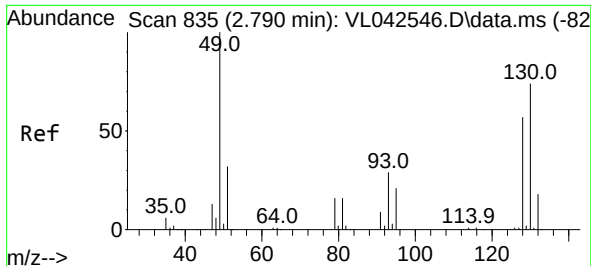
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052025AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue May 20 23:22:25 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.619	75	35346	2.002	ppbv	96
47) 1,1,2-Trichloroethane	6.600	97	29298	2.070	ppbv	91
48) Dibromochloromethane	7.403	129	49656	2.027	ppbv	100
49) Bromoform	9.493	173	43149	2.064	ppbv	98
50) 4-Methyl-2-Pentanone	5.778	43	53338	2.017	ppbv	98
51) 2-Hexanone	7.454	43	39354	2.026	ppbv #	99
52) Tetrachloroethene	8.241	164	27225	2.074	ppbv	91
53) Toluene	6.953	91	73097	2.031	ppbv	98
54) 1,2-Dibromoethane	7.668	107	43358	2.106	ppbv	100
56) 1,1,1,2-Tetrachloroethane	8.940	131	40539	2.063	ppbv	97
57) Chlorobenzene	8.933	112	68014	2.071	ppbv	97
58) Ethyl Benzene	9.367	91	100602	2.085	ppbv	99
59) m/p-Xylene	9.561	91	91210	2.216	ppbv #	35
60) o-Xylene	9.976	91	87270	2.142	ppbv	100
61) Styrene	9.882	104	31019	1.986	ppbv	98
62) Isopropylbenzene	10.552	105	130474	2.089	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.976	83	55662	2.052	ppbv	100
64) n-propylbenzene	10.998	120	33337	2.143	ppbv	97
65) tert-Butylbenzene	11.539	119	121817	2.169	ppbv	100
66) Benzyl Chloride	11.623	91	13145	1.871	ppbv	100
67) sec-Butylbenzene	11.775	105	170810	2.154	ppbv	100
69) p-Isopropyltoluene	11.934	119	144311	2.204	ppbv	100
70) n-Butylbenzene	12.290	91	138470	2.238	ppbv	98
71) 2-Chlorotoluene	10.911	91	93049	2.070	ppbv	100
72) 4-Ethyltoluene	11.134	105	106770	2.118	ppbv	98
73) 1,3,5-Trimethylbenzene	11.212	105	93446	2.143	ppbv	97
74) 1,2,4-Trimethylbenzene	11.545	105	116976	2.225	ppbv	98
75) 1,3-Dichlorobenzene	11.617	146	67880	2.092	ppbv	100
76) 1,4-Dichlorobenzene	11.681	146	65510	2.079	ppbv	98
77) 1,2-Dichlorobenzene	11.956	146	67229	2.103	ppbv	98
78) Hexachloro-1,3-Butadiene	13.889	225	58483	2.215	ppbv	98
79) Naphthalene	13.523	128	102435	2.603	ppbv	98
80) Naphthalene,2-methyl-	14.468	142	45912	2.263	ppbv	99
81) 1,2,4-Trichlorobenzene	13.449	180	54581	2.306	ppbv	99

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

Quant Time: May 20 23:25:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052025AIR.M
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QLast Update : Tue May 20 23:22:25 2025
Response via : Initial Calibration

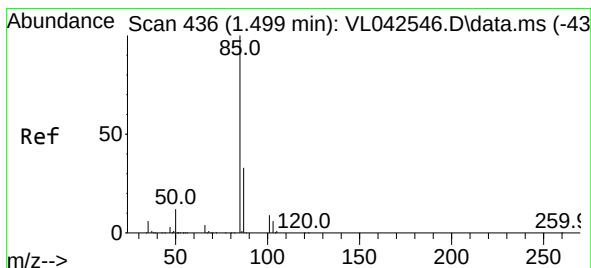
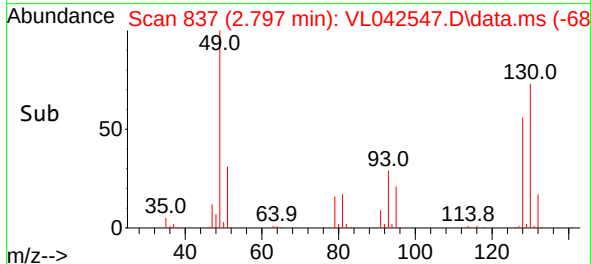
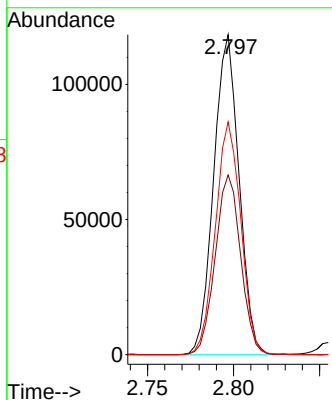
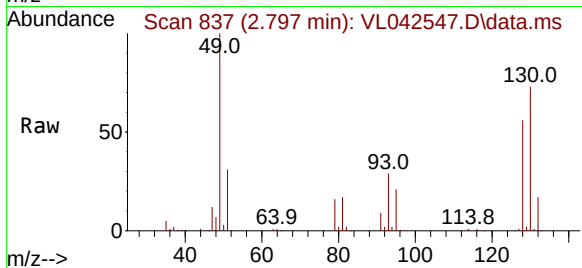




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 2.797 min Scan# 81
 Delta R.T. 0.007 min
 Lab File: VL042547.D
 Acq: 20 May 2025 09:46

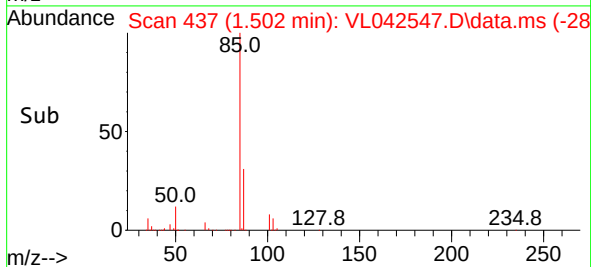
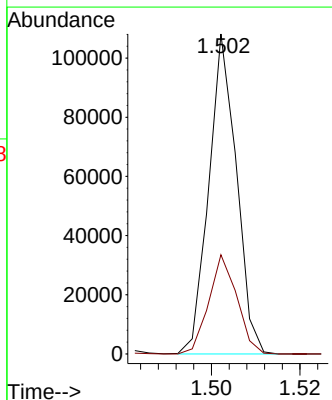
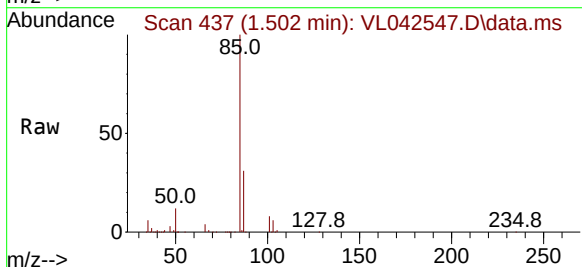
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

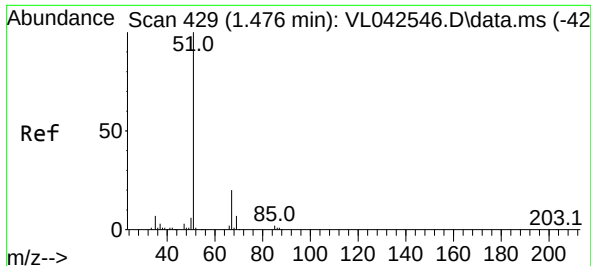
Tgt Ion: 49 Resp: 121370
 Ion Ratio Lower Upper
 49 100
 128 56.3 28.6 85.8
 130 73.1 36.6 109.8



#2
 Dichlorodifluoromethane
 Concen: 2.064 ppbv
 RT: 1.502 min Scan# 437
 Delta R.T. 0.003 min
 Lab File: VL042547.D
 Acq: 20 May 2025 09:46

Tgt Ion: 85 Resp: 46846
 Ion Ratio Lower Upper
 85 100
 87 31.0 26.2 39.4

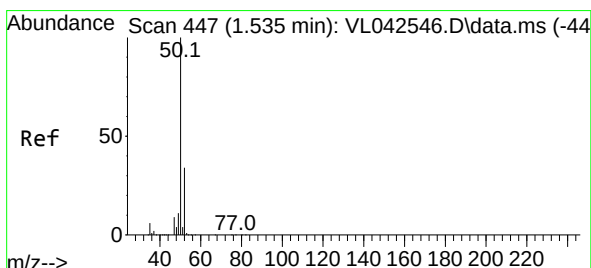
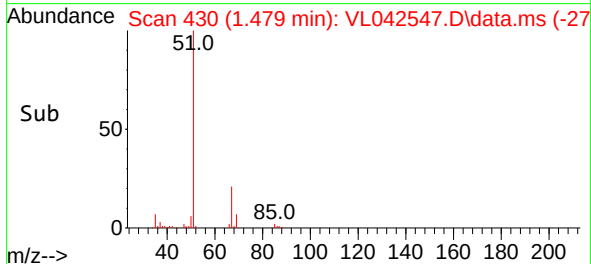
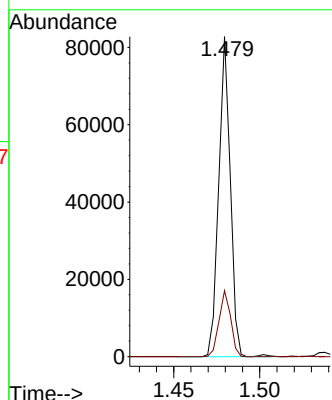
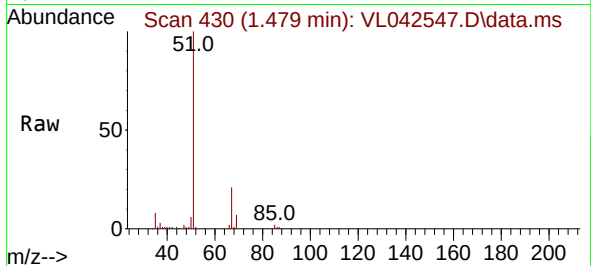




#3
Chlorodifluoromethane
Concen: 2.077 ppbv
RT: 1.479 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL042547.D
Acq: 20 May 2025 09:46

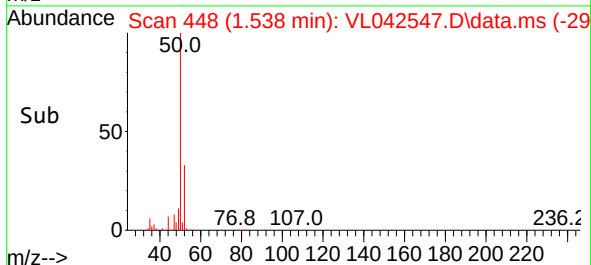
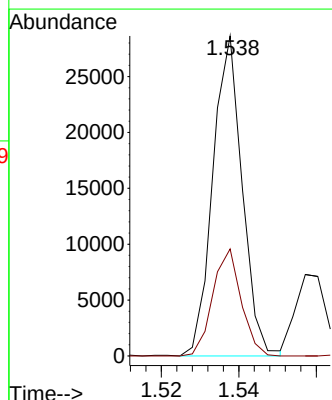
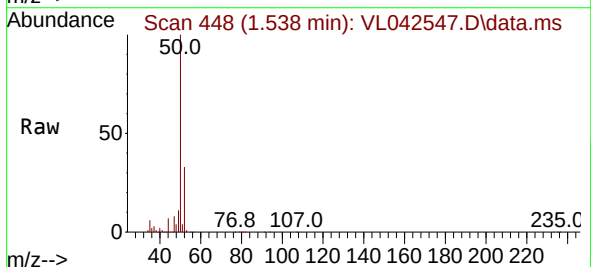
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC002

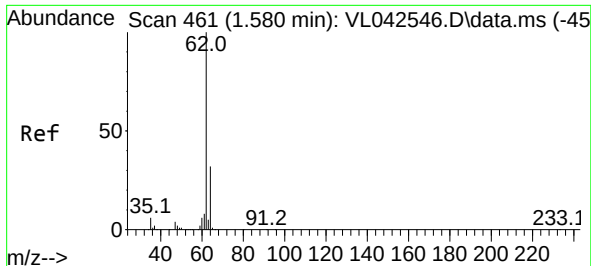
Tgt Ion: 51 Resp: 38828
Ion Ratio Lower Upper
51 100
67 20.8 16.6 25.0



#4
Chloromethane
Concen: 2.061 ppbv
RT: 1.538 min Scan# 448
Delta R.T. 0.003 min
Lab File: VL042547.D
Acq: 20 May 2025 09:46

Tgt Ion: 50 Resp: 15072
Ion Ratio Lower Upper
50 100
52 33.4 26.9 40.3

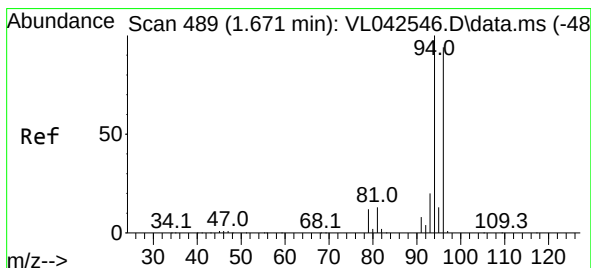
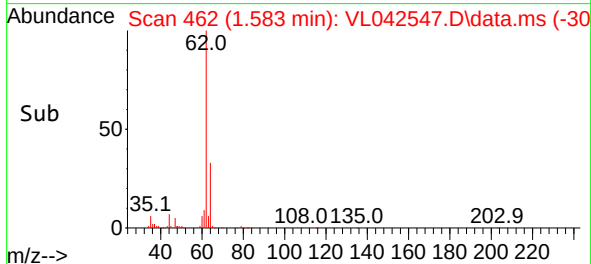
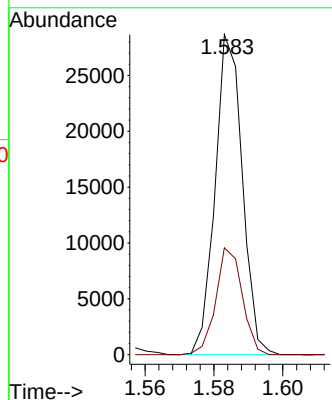
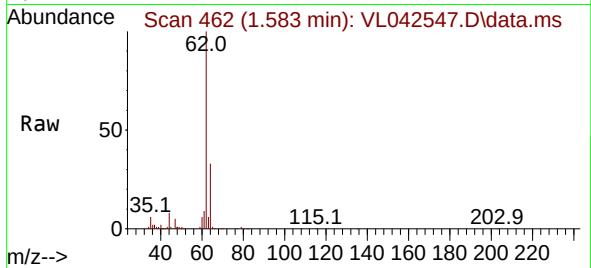




#5
 Vinyl Chloride
 Concen: 1.947 ppbv
 RT: 1.583 min Scan# 40
 Delta R.T. 0.003 min
 Lab File: VL042547.D
 Acq: 20 May 2025 09:46

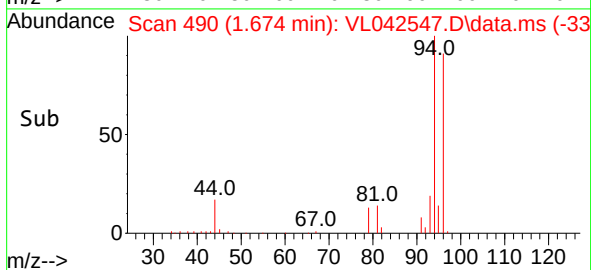
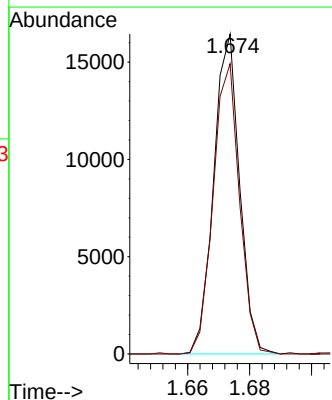
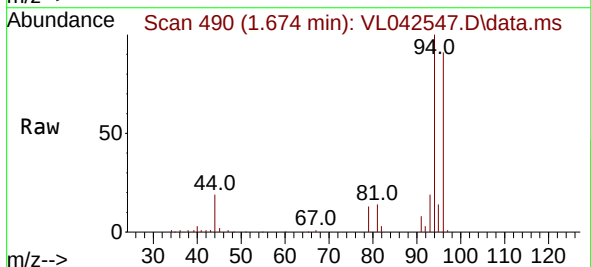
Instrument :
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 ClientSampleId :
 VSTDIC002

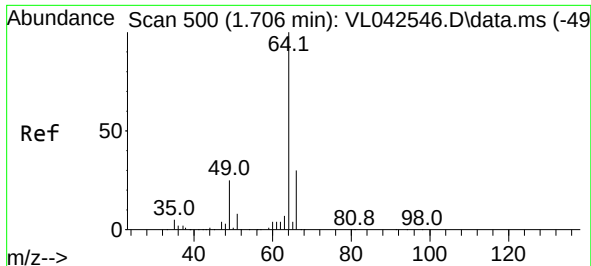
Tgt Ion: 62 Resp: 15693
 Ion Ratio Lower Upper
 62 100
 64 33.4 25.7 38.5



#6
 Bromomethane
 Concen: 2.058 ppbv
 RT: 1.674 min Scan# 490
 Delta R.T. 0.003 min
 Lab File: VL042547.D
 Acq: 20 May 2025 09:46

Tgt Ion: 94 Resp: 9545
 Ion Ratio Lower Upper
 94 100
 96 90.7 74.9 112.3

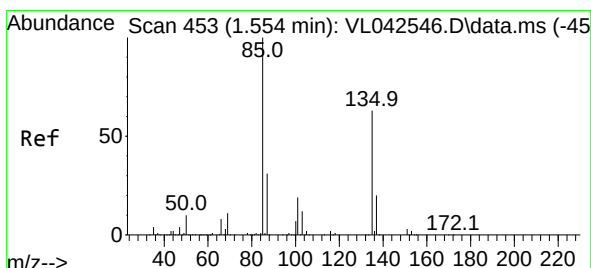
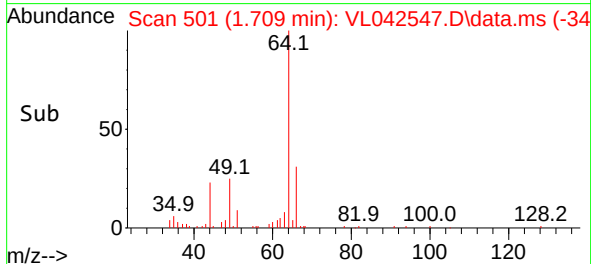
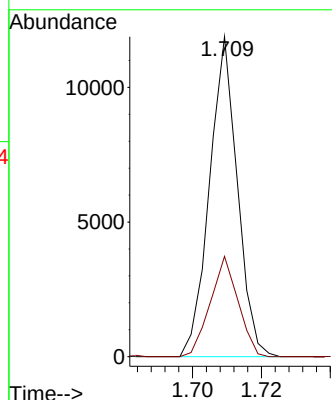
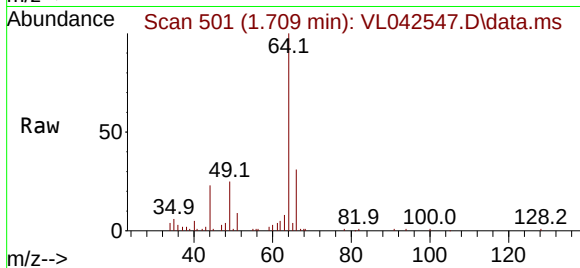




#7
Chloroethane
Concen: 2.068 ppbv
RT: 1.709 min Scan# 500
Delta R.T. 0.003 min
Lab File: VL042547.D
Acq: 20 May 2025 09:46

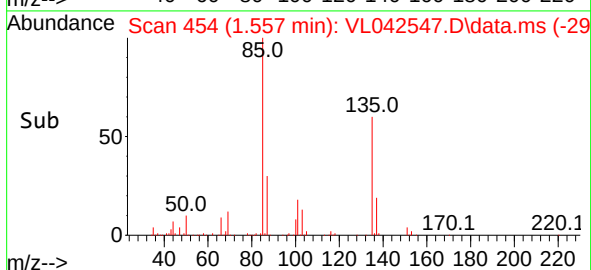
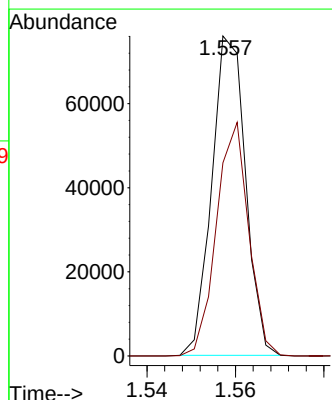
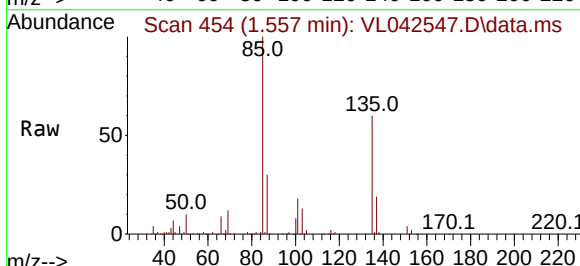
Instrument :
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ClientSampleId :
VSTDICC002

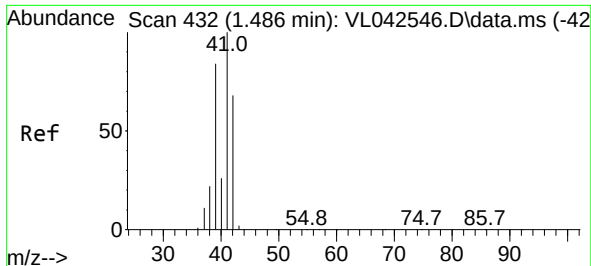
Tgt Ion: 64 Resp: 6704
Ion Ratio Lower Upper
64 100
66 31.3 24.4 36.6



#8
Dichlorotetrafluoroethane
Concen: 2.095 ppbv
RT: 1.557 min Scan# 454
Delta R.T. 0.003 min
Lab File: VL042547.D
Acq: 20 May 2025 09:46

Tgt Ion: 85 Resp: 40280
Ion Ratio Lower Upper
85 100
135 69.9 57.2 85.8





#9

Propene

Concen: 2.104 ppbv

RT: 1.489 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL042547.D

Acq: 20 May 2025 09:46

Instrument :

MSVOA_L

ClientSampleId :

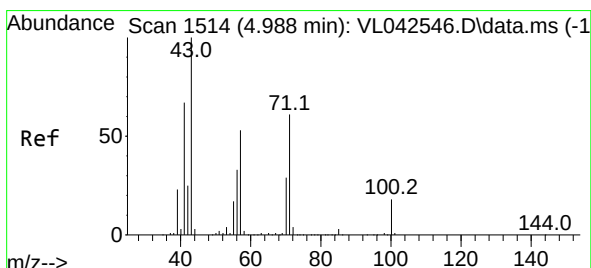
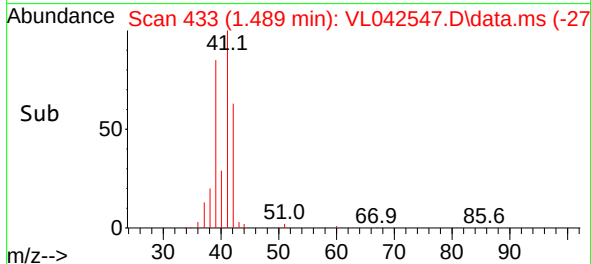
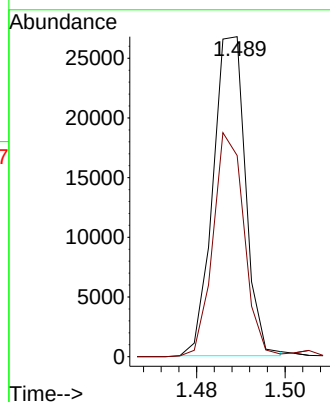
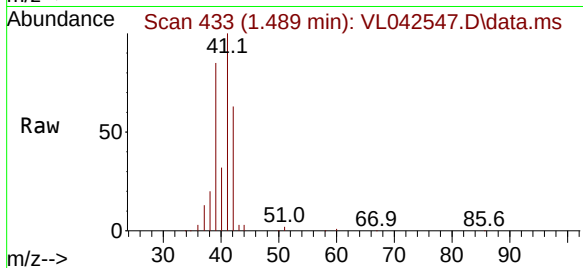
VSTDIC002

Tgt Ion: 41 Resp: 13677

Ion Ratio Lower Upper

41 100

42 69.7 55.0 82.4



#10

Heptane

Concen: 2.118 ppbv

RT: 4.998 min Scan# 1517

Delta R.T. 0.010 min

Lab File: VL042547.D

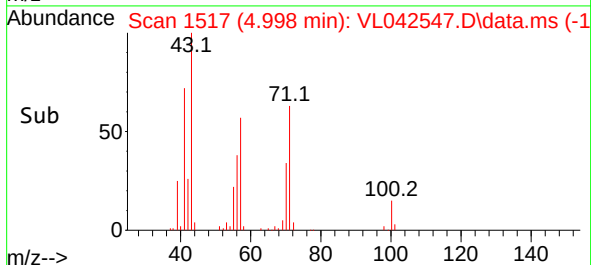
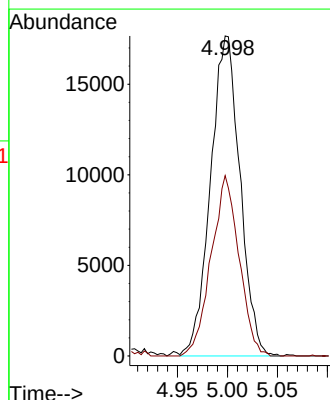
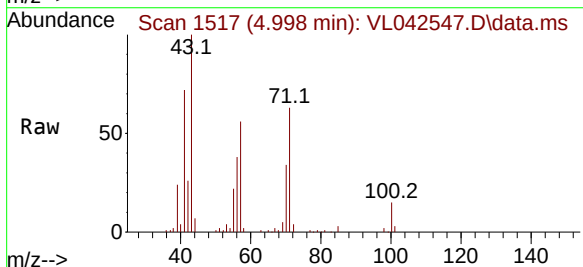
Acq: 20 May 2025 09:46

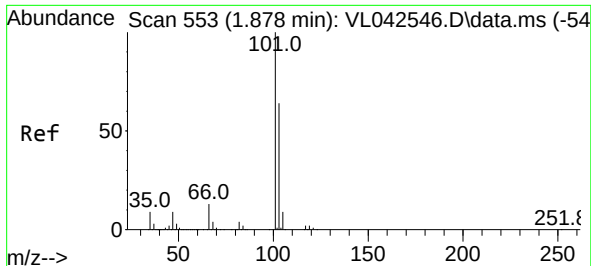
Tgt Ion: 43 Resp: 36257

Ion Ratio Lower Upper

43 100

57 53.3 43.4 65.0

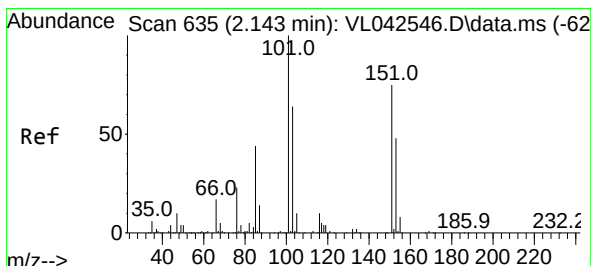
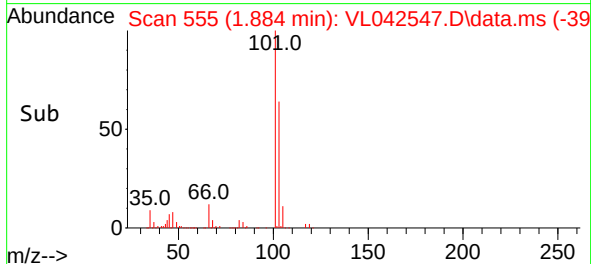
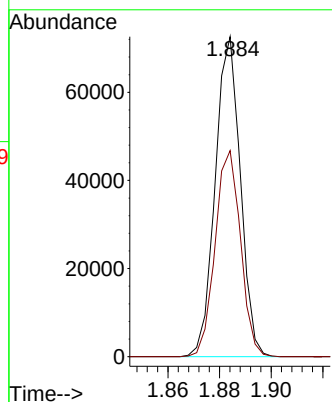
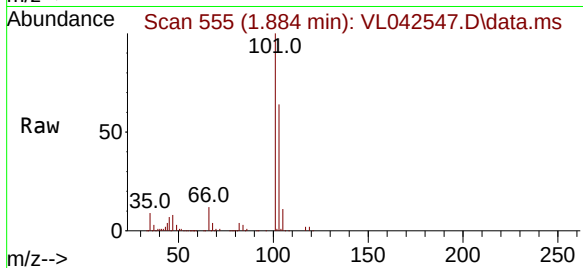




#11
Trichlorofluoromethane
Concen: 2.070 ppbv
RT: 1.884 min Scan# 511
Delta R.T. 0.006 min
Lab File: VL042547.D
Acq: 20 May 2025 09:46

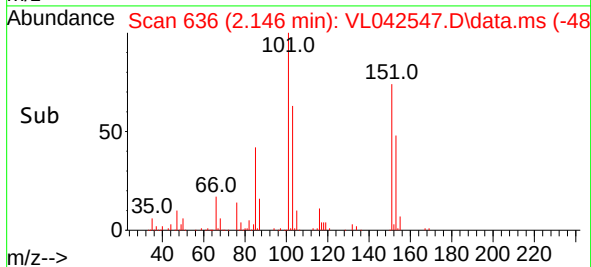
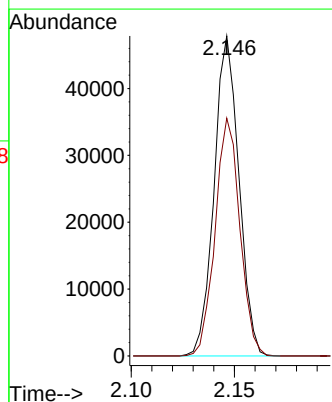
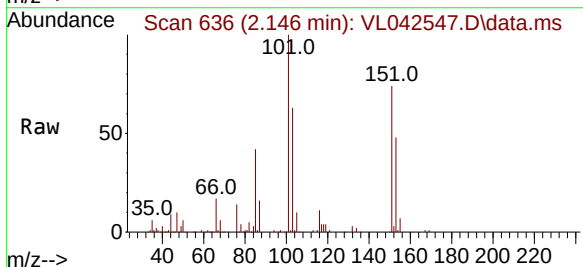
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

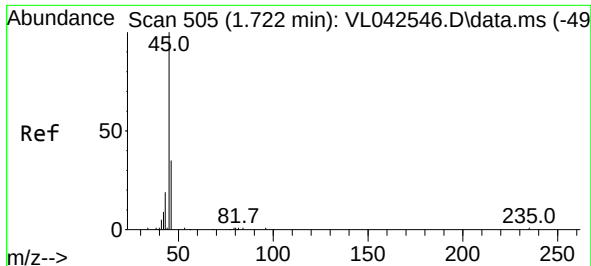
Tgt Ion:101 Resp: 49043
Ion Ratio Lower Upper
101 100
103 64.4 51.5 77.3



#12
1,1,2-Trichlorotrifluoroethane
Concen: 2.090 ppbv
RT: 2.146 min Scan# 636
Delta R.T. 0.003 min
Lab File: VL042547.D
Acq: 20 May 2025 09:46

Tgt Ion:101 Resp: 39934
Ion Ratio Lower Upper
101 100
151 74.1 59.5 89.3

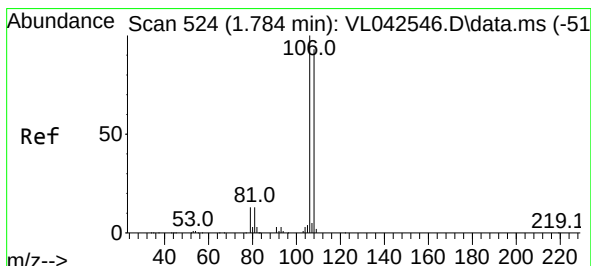
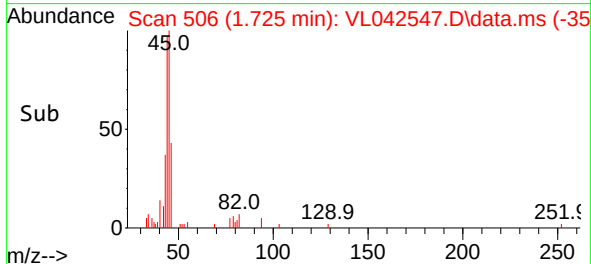
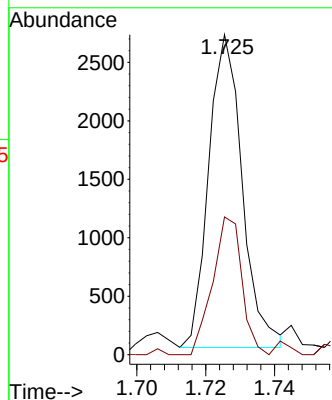
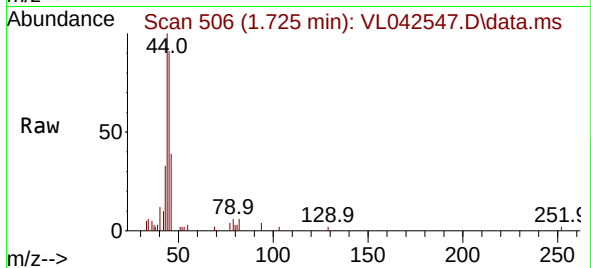




#13
Ethanol
Concen: 1.923 ppbv
RT: 1.725 min Scan# 505
Delta R.T. 0.003 min
Lab File: VL042547.D
Acq: 20 May 2025 09:46

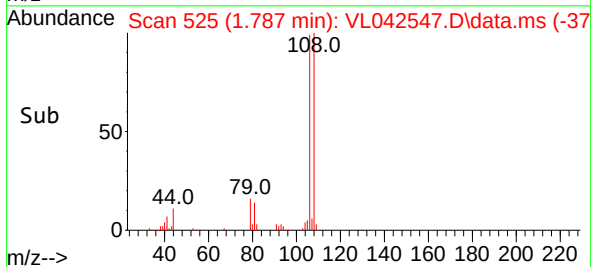
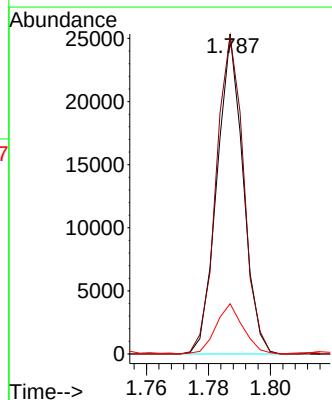
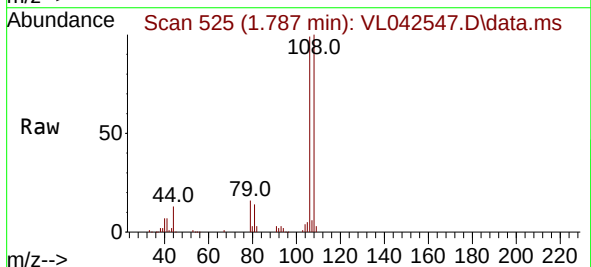
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

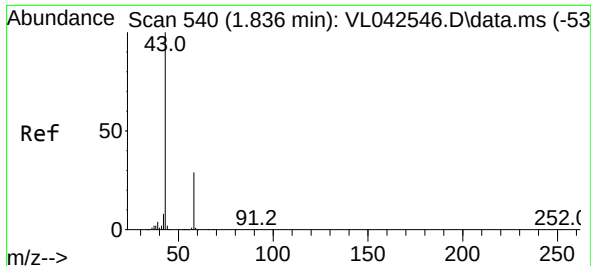
Tgt Ion: 45 Resp: 1812
Ion Ratio Lower Upper
45 100
46 40.8 15.3 61.3



#14
Bromoethene
Concen: 2.057 ppbv
RT: 1.787 min Scan# 525
Delta R.T. 0.003 min
Lab File: VL042547.D
Acq: 20 May 2025 09:46

Tgt Ion: 108 Resp: 14842
Ion Ratio Lower Upper
108 100
106 104.4 86.4 129.6
79 17.2 11.9 17.9

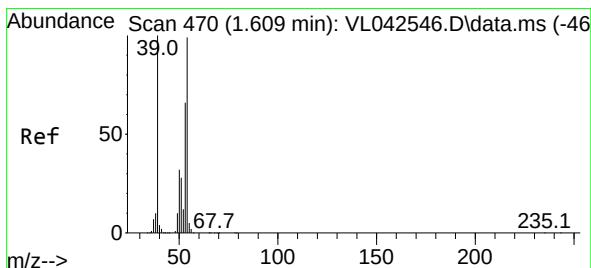
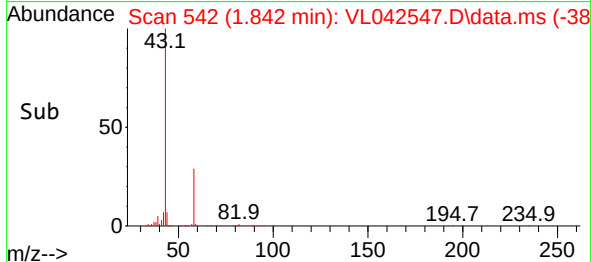
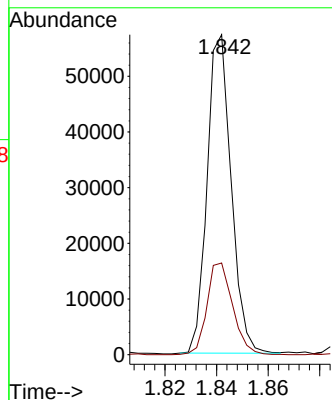
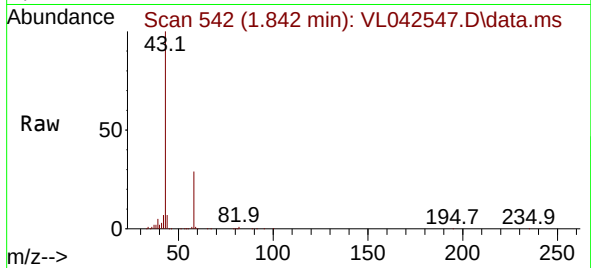




#15
Acetone
Concen: 2.192 ppbv
RT: 1.842 min Scan# 54
Delta R.T. 0.006 min
Lab File: VL042547.D
Acq: 20 May 2025 09:46

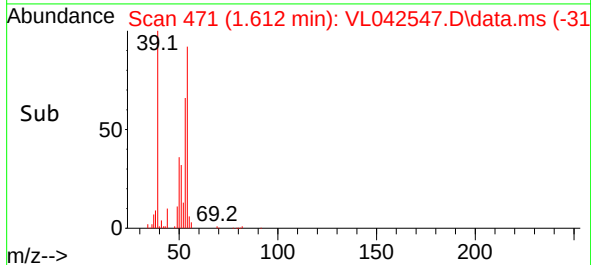
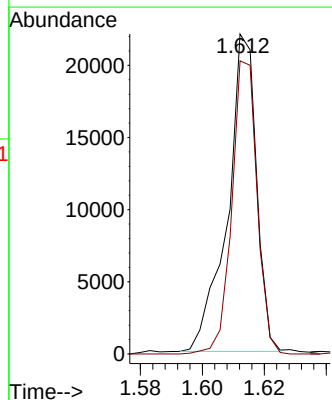
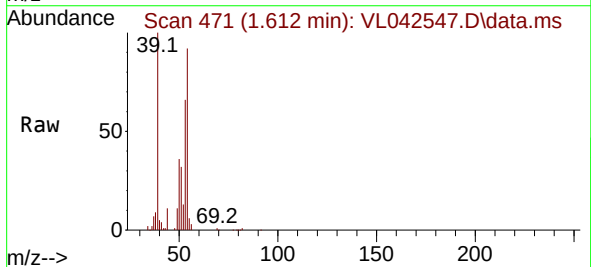
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

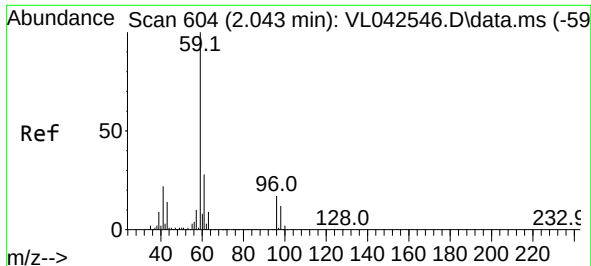
Tgt Ion: 43 Resp: 37081
Ion Ratio Lower Upper
43 100
58 30.9 24.2 36.2



#16
1,3-Butadiene
Concen: 2.076 ppbv
RT: 1.612 min Scan# 471
Delta R.T. 0.003 min
Lab File: VL042547.D
Acq: 20 May 2025 09:46

Tgt Ion: 39 Resp: 14253
Ion Ratio Lower Upper
39 100
54 80.7 71.8 107.8





#17

tert-Butyl alcohol

Concen: 2.025 ppbv

RT: 2.046 min Scan# 604

Delta R.T. 0.003 min

Lab File: VL042547.D

Acq: 20 May 2025 09:46

Instrument :

MSVOA_1

ClientSampleId :

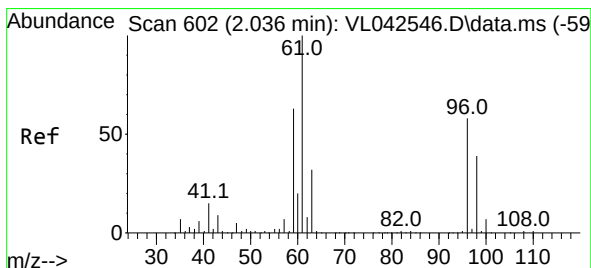
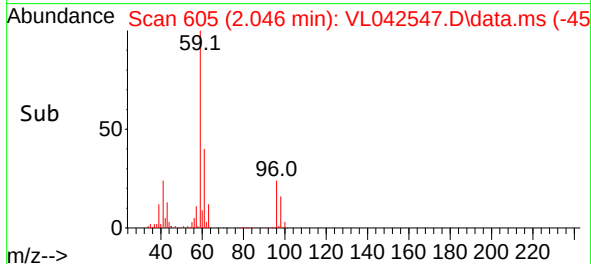
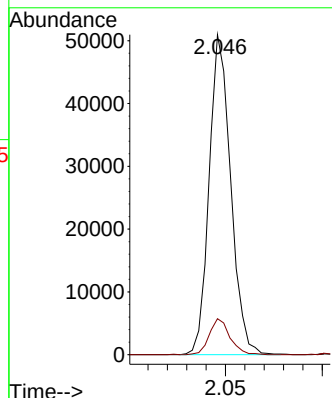
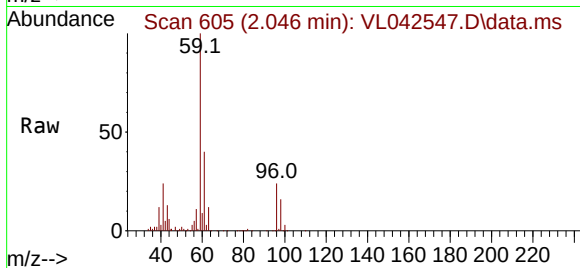
VSTDIC002

Tgt Ion: 59 Resp: 39580

Ion Ratio Lower Upper

59 100

57 10.7 8.2 12.2



#18

1,1-Dichloroethene

Concen: 2.056 ppbv

RT: 2.039 min Scan# 603

Delta R.T. 0.003 min

Lab File: VL042547.D

Acq: 20 May 2025 09:46

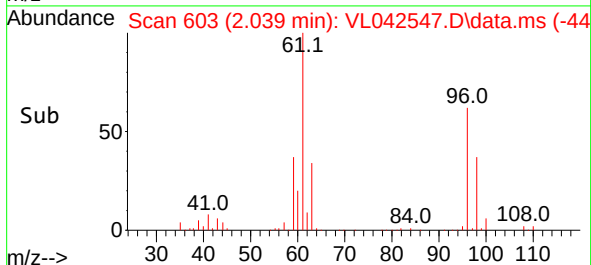
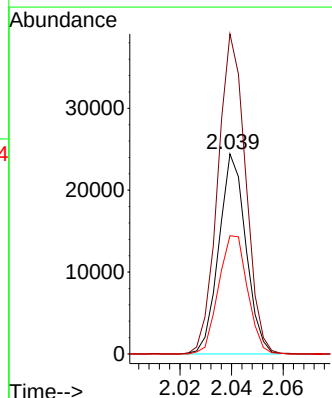
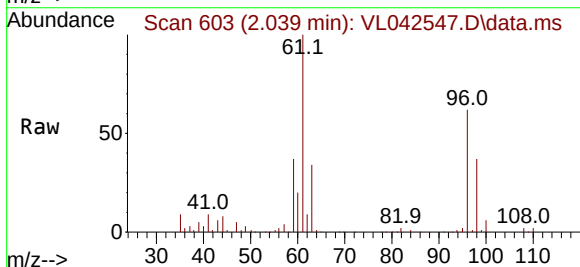
Tgt Ion: 96 Resp: 17753

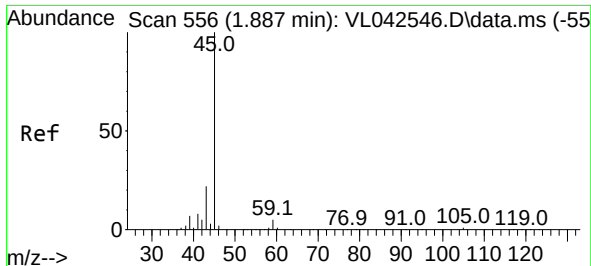
Ion Ratio Lower Upper

96 100

61 160.1 137.5 206.3

98 59.2 53.2 79.8

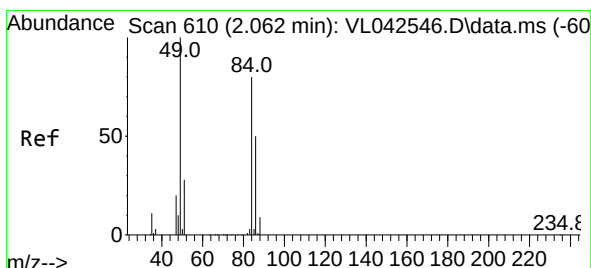
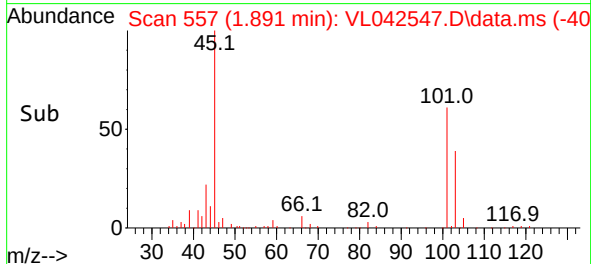
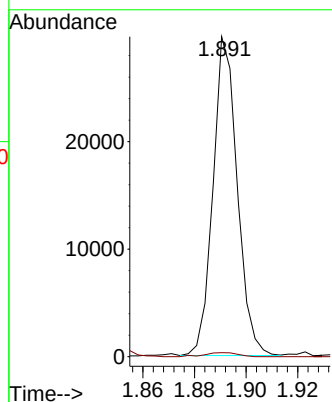
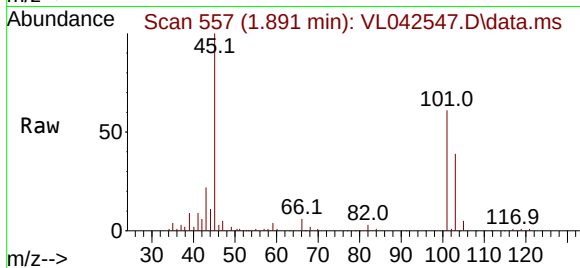




#19
Isopropyl Alcohol
Concen: 2.013 ppbv
RT: 1.891 min Scan# 51
Delta R.T. 0.003 min
Lab File: VL042547.D
Acq: 20 May 2025 09:46

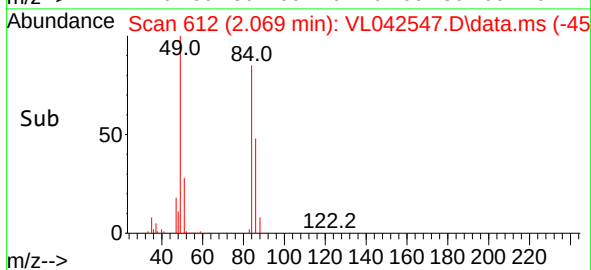
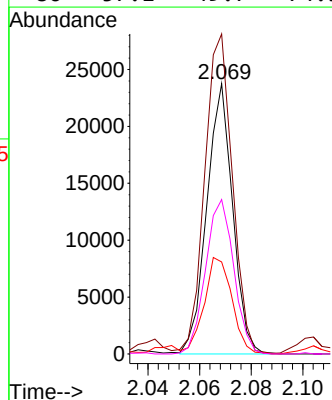
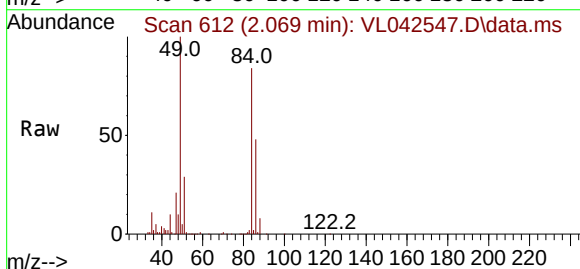
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

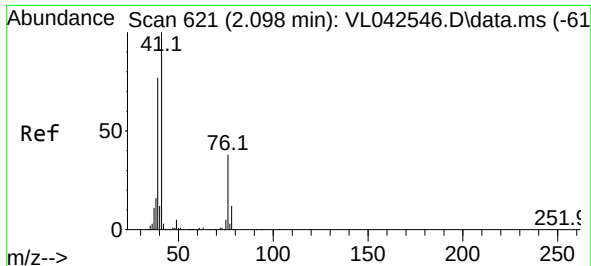
Tgt Ion: 45 Resp: 19357
Ion Ratio Lower Upper
45 100
58 59.3 35.3 52.9#



#20
Methylene Chloride
Concen: 2.023 ppbv
RT: 2.069 min Scan# 612
Delta R.T. 0.006 min
Lab File: VL042547.D
Acq: 20 May 2025 09:46

Tgt Ion: 84 Resp: 16564
Ion Ratio Lower Upper
84 100
49 118.0 99.7 149.5
51 34.0 29.7 44.5
86 57.1 49.7 74.5

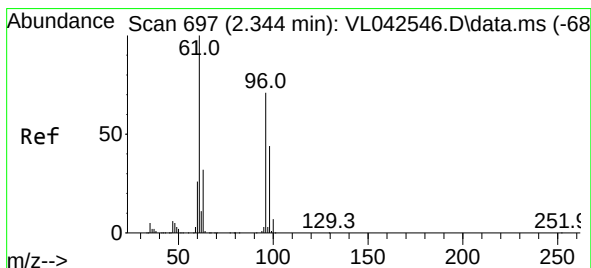
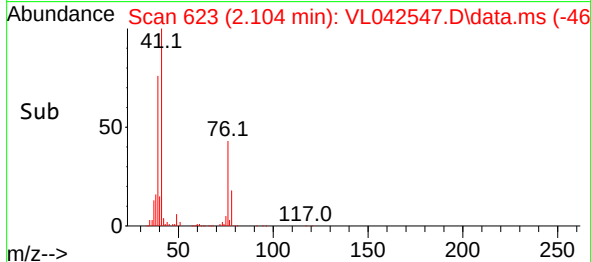
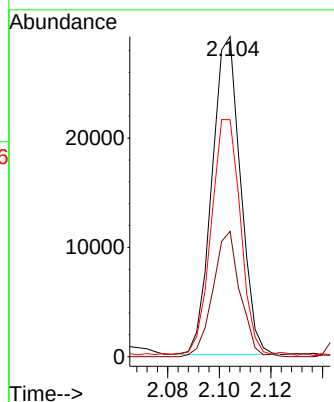
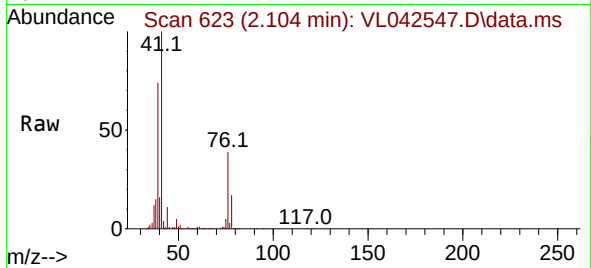




#21
 Allyl Chloride
 Concen: 2.061 ppbv
 RT: 2.104 min Scan# 61
 Delta R.T. 0.006 min
 Lab File: VL042547.D
 Acq: 20 May 2025 09:46

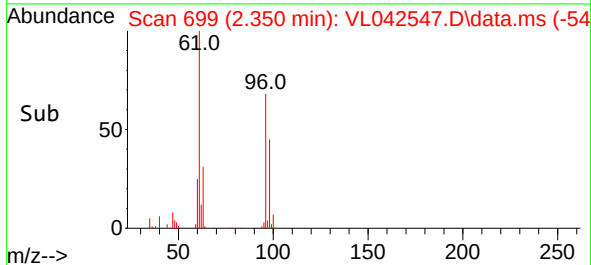
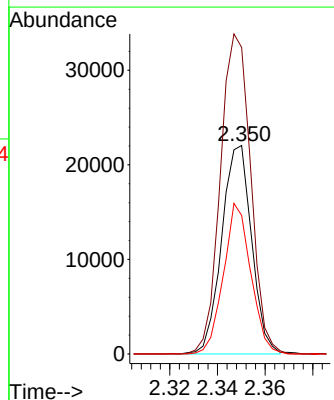
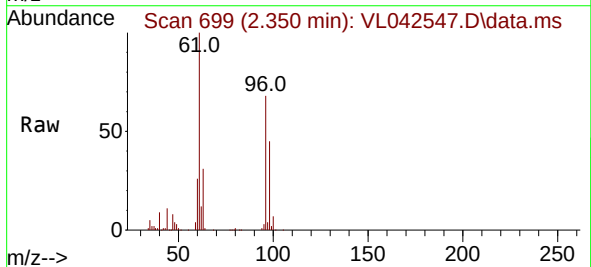
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

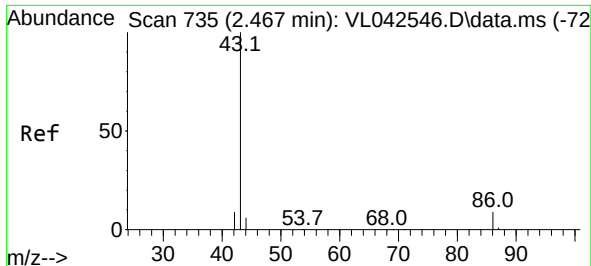
Tgt Ion: 41 Resp: 22331
 Ion Ratio Lower Upper
 41 100
 76 37.5 30.2 45.4
 39 79.1 62.5 93.7



#22
 trans-1,2-Dichloroethene
 Concen: 2.006 ppbv
 RT: 2.350 min Scan# 699
 Delta R.T. 0.006 min
 Lab File: VL042547.D
 Acq: 20 May 2025 09:46

Tgt Ion: 96 Resp: 19221
 Ion Ratio Lower Upper
 96 100
 61 147.0 112.5 168.7
 98 66.5 49.0 73.4

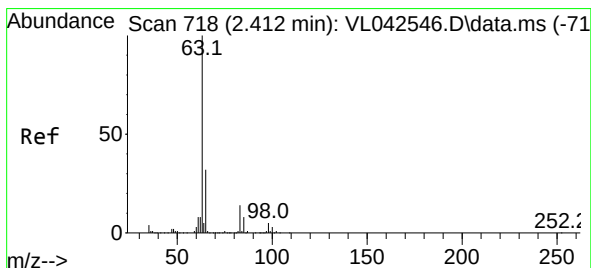
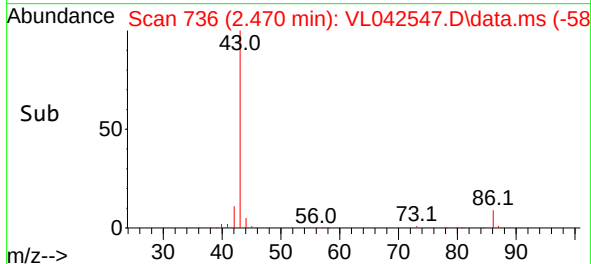
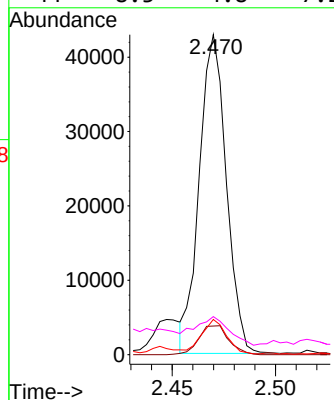
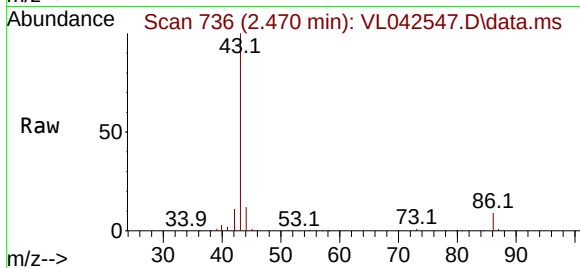




#23
 Vinyl Acetate
 Concen: 1.986 ppbv
 RT: 2.470 min Scan# 710
 Delta R.T. 0.003 min
 Lab File: VL042547.D
 Acq: 20 May 2025 09:46

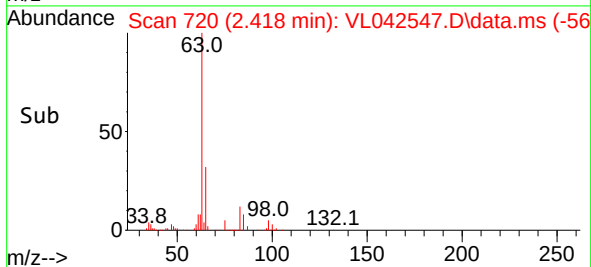
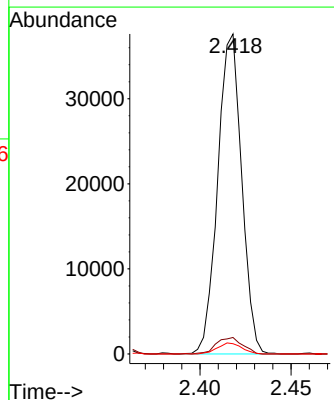
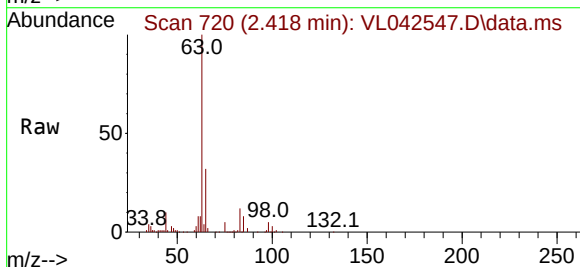
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC002

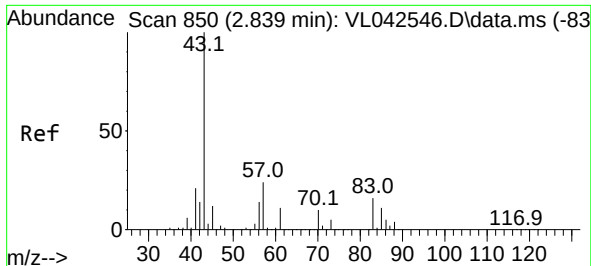
Tgt Ion:	43	Resp:	38993
Ion	Ratio	Lower	Upper
43	100		
86	9.0	7.0	10.6
42	10.8	7.4	11.2
44	8.3	4.8	7.2



#24
 1,1-Dichloroethane
 Concen: 2.089 ppbv
 RT: 2.418 min Scan# 720
 Delta R.T. 0.006 min
 Lab File: VL042547.D
 Acq: 20 May 2025 09:46

Tgt Ion:	63	Resp:	34313
Ion	Ratio	Lower	Upper
63	100		
98	5.2	2.6	7.8
100	3.2	1.8	5.3

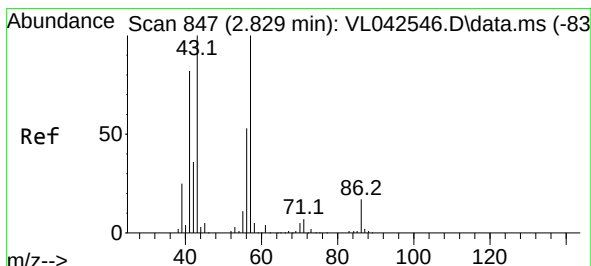
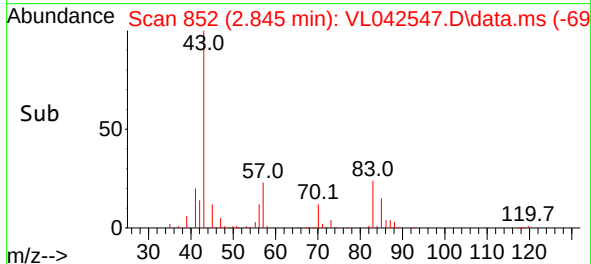
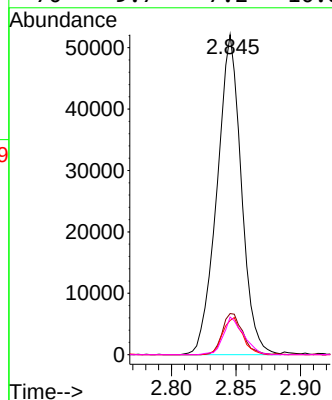
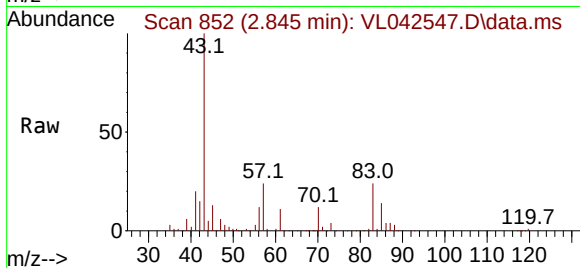




#25
Ethyl Acetate
Concen: 2.086 ppbv
RT: 2.845 min Scan# 81
Delta R.T. 0.006 min
Lab File: VL042547.D
Acq: 20 May 2025 09:46

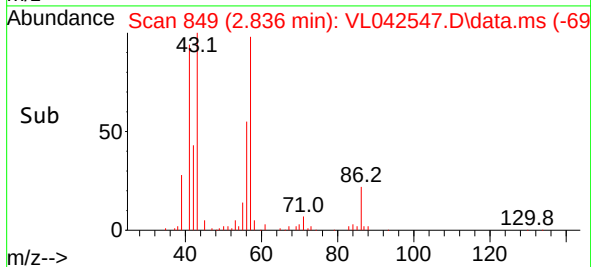
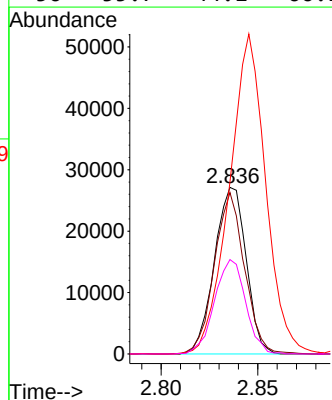
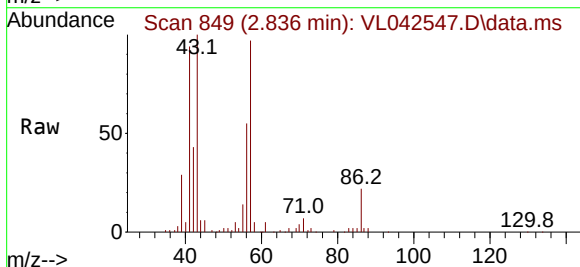
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC002

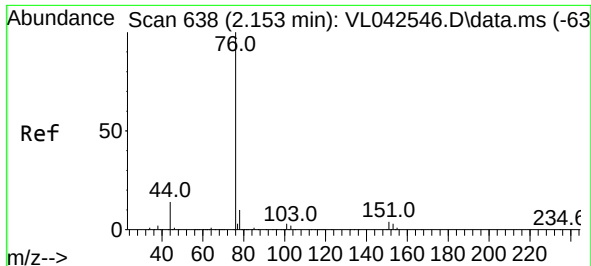
Tgt Ion: 43	Resp: 68190
Ion Ratio	Lower Upper
43 100	
45 11.1	8.0 12.0
61 9.4	7.5 11.3
70 9.7	7.2 10.8



#26
Hexane
Concen: 2.091 ppbv
RT: 2.836 min Scan# 849
Delta R.T. 0.006 min
Lab File: VL042547.D
Acq: 20 May 2025 09:46

Tgt Ion: 57	Resp: 30904
Ion Ratio	Lower Upper
57 100	
41 92.3	69.0 103.4
43 222.4	174.2 261.2
56 55.7	44.1 66.1





#27

Carbon Disulfide

Concen: 2.089 ppbv

RT: 2.156 min Scan# 61

Delta R.T. 0.003 min

Lab File: VL042547.D

Acq: 20 May 2025 09:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

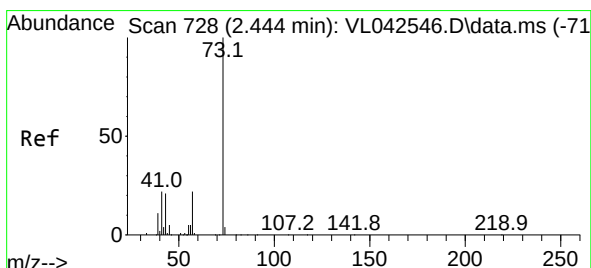
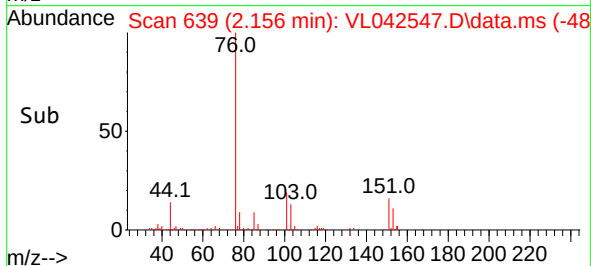
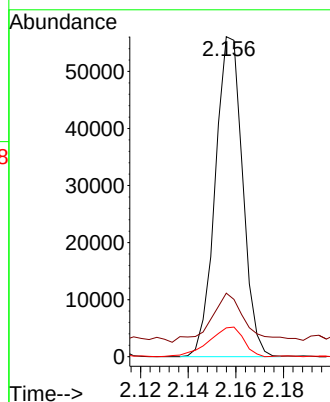
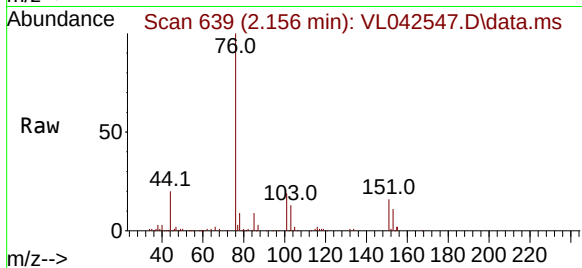
Tgt Ion: 76 Resp: 44724

Ion Ratio Lower Upper

76 100

44 24.2 14.0 21.0#

78 12.0 9.4 14.0



#28

Methyl tert-Butyl Ether

Concen: 2.104 ppbv

RT: 2.447 min Scan# 729

Delta R.T. 0.003 min

Lab File: VL042547.D

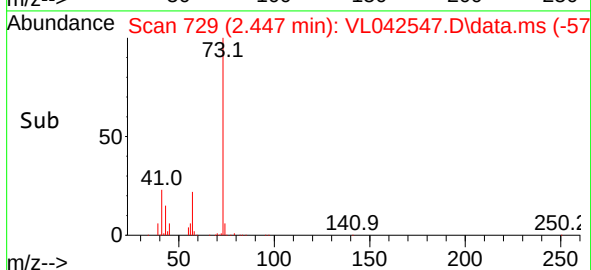
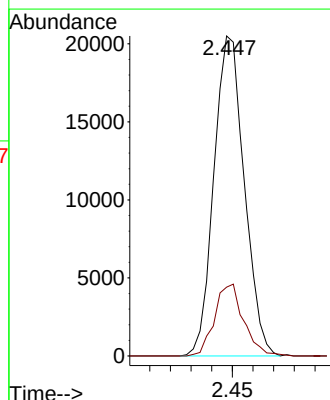
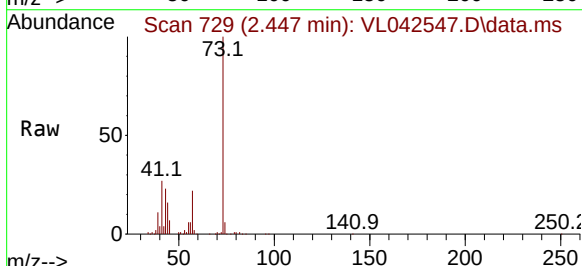
Acq: 20 May 2025 09:46

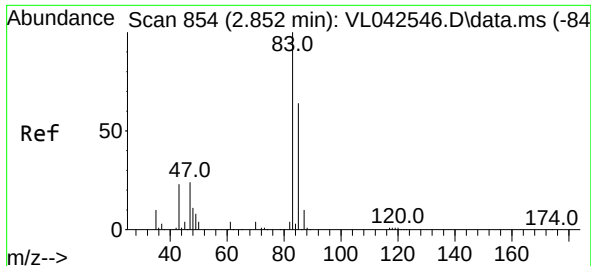
Tgt Ion: 73 Resp: 20955

Ion Ratio Lower Upper

73 100

57 21.5 17.2 25.8





#29

Chloroform

Concen: 2.065 ppbv

RT: 2.855 min Scan# 85

Delta R.T. 0.003 min

Lab File: VL042547.D

Acq: 20 May 2025 09:46

Instrument :

MSVOA_L

ClientSampleId :

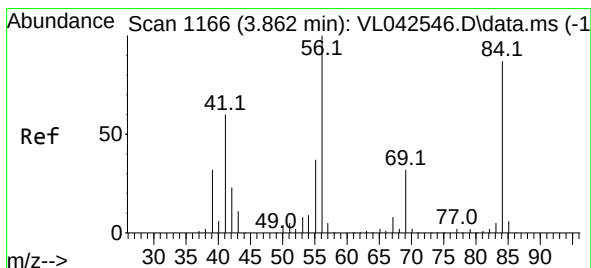
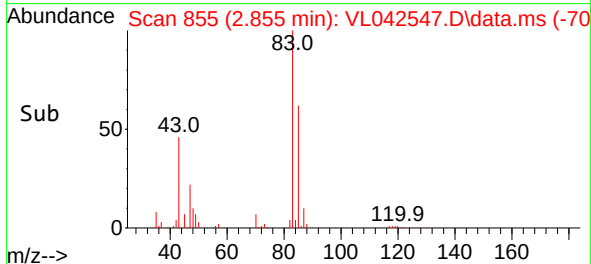
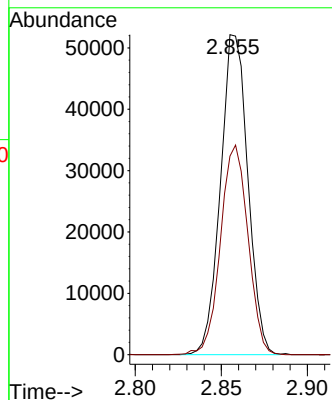
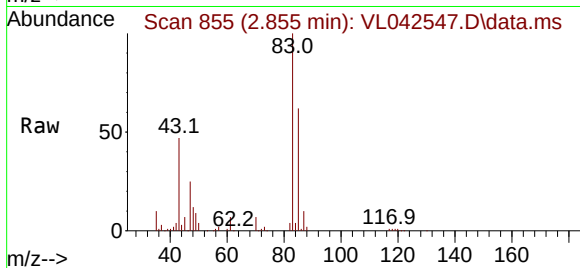
VSTDIC002

Tgt Ion: 83 Resp: 57738

Ion Ratio Lower Upper

83 100

85 61.9 51.6 77.4



#30

Cyclohexane

Concen: 2.115 ppbv

RT: 3.871 min Scan# 1169

Delta R.T. 0.010 min

Lab File: VL042547.D

Acq: 20 May 2025 09:46

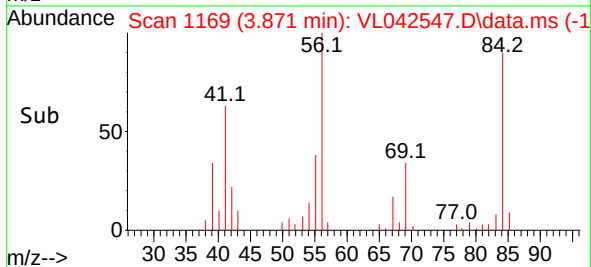
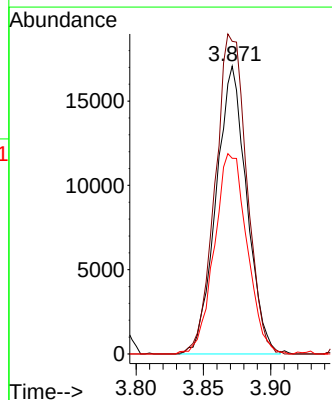
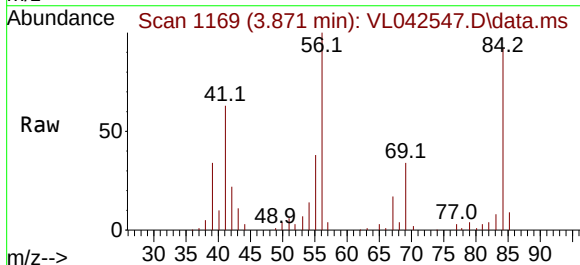
Tgt Ion: 84 Resp: 27044

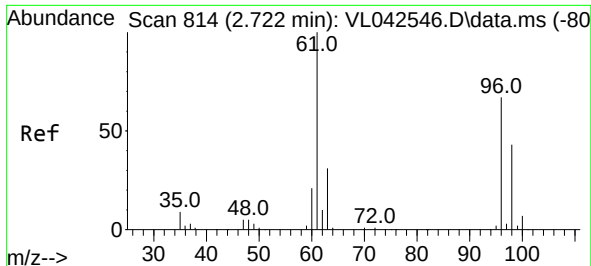
Ion Ratio Lower Upper

84 100

56 114.4 92.3 138.5

41 74.5 57.0 85.4

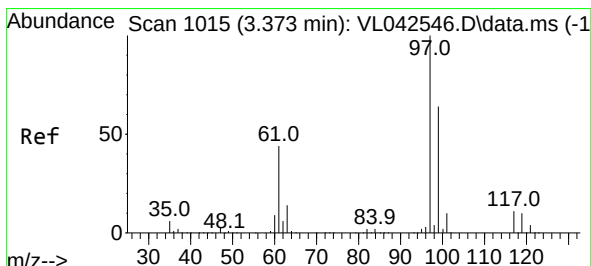
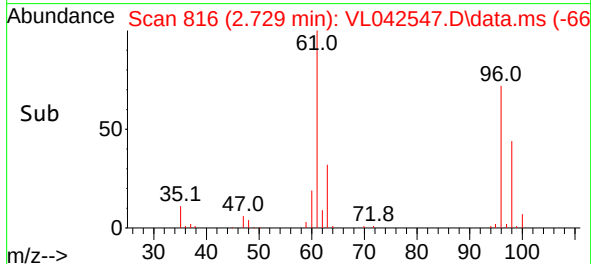
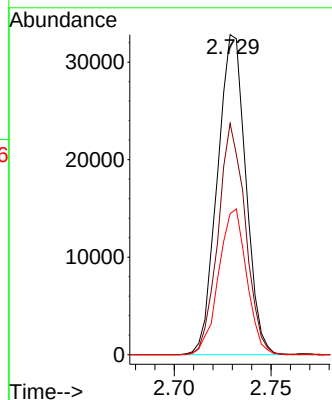
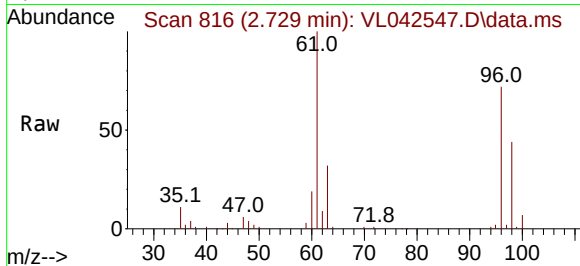




#31
 cis-1,2-Dichloroethene
 Concen: 2.065 ppbv
 RT: 2.729 min Scan# 814
 Delta R.T. 0.006 min
 Lab File: VL042547.D
 Acq: 20 May 2025 09:46

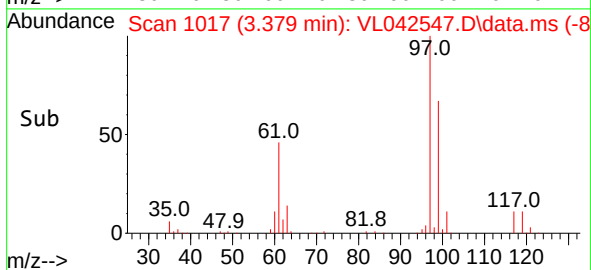
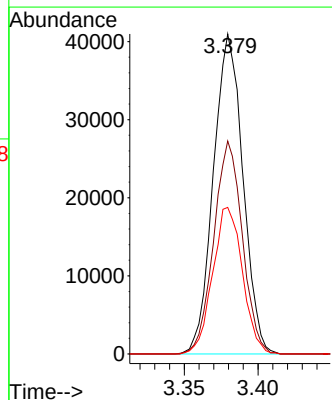
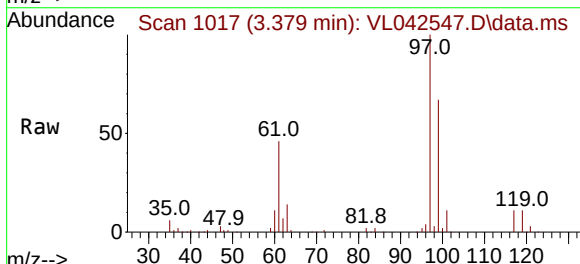
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC002

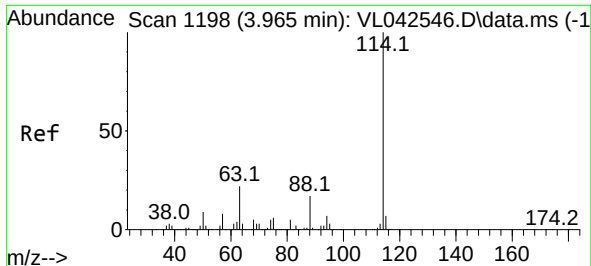
Tgt Ion: 61 Resp: 33559
 Ion Ratio Lower Upper
 61 100
 96 72.3 53.8 80.8
 98 44.0 34.5 51.7



#32
 1,1,1-Trichloroethane
 Concen: 1.997 ppbv
 RT: 3.379 min Scan# 1017
 Delta R.T. 0.006 min
 Lab File: VL042547.D
 Acq: 20 May 2025 09:46

Tgt Ion: 97 Resp: 57041
 Ion Ratio Lower Upper
 97 100
 99 64.5 51.5 77.3
 61 46.2 35.7 53.5





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.972 min Scan# 1198

Delta R.T. 0.006 min

Lab File: VL042547.D

Acq: 20 May 2025 09:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

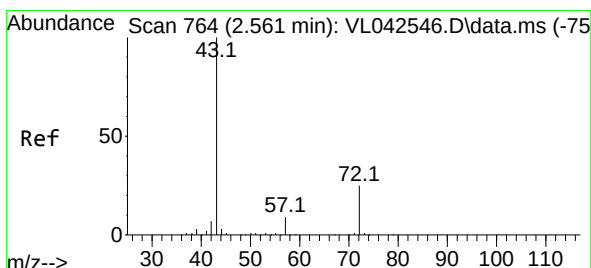
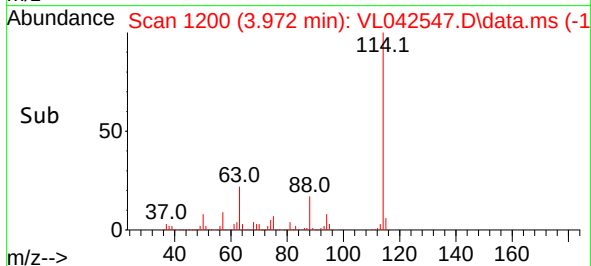
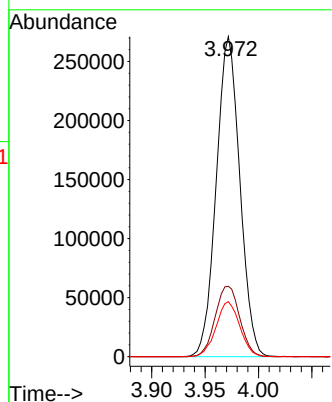
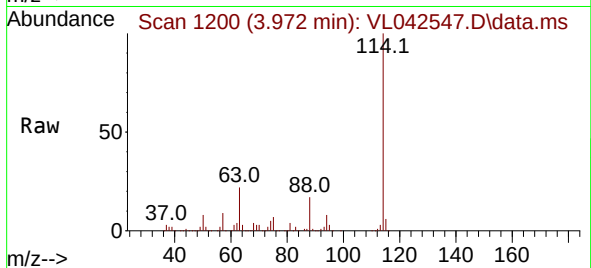
Tgt Ion:114 Resp: 416026

Ion Ratio Lower Upper

114 100

63 23.0 18.4 27.6

88 17.3 14.0 21.0



#34

2-Butanone

Concen: 2.055 ppbv

RT: 2.567 min Scan# 766

Delta R.T. 0.006 min

Lab File: VL042547.D

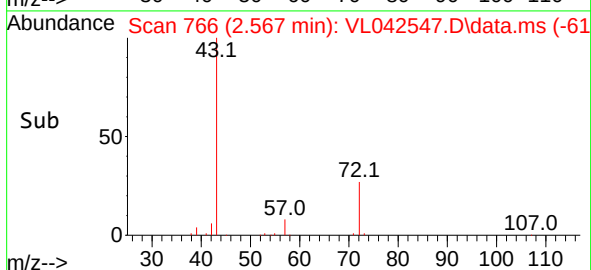
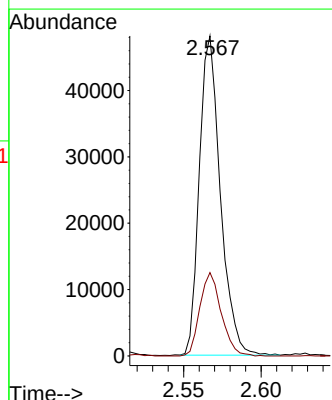
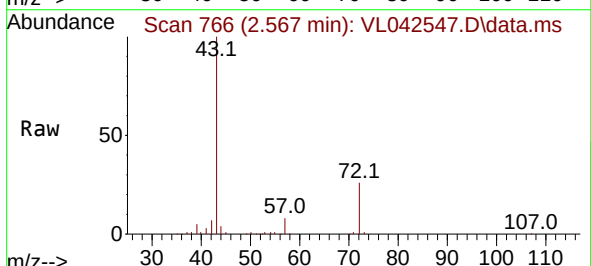
Acq: 20 May 2025 09:46

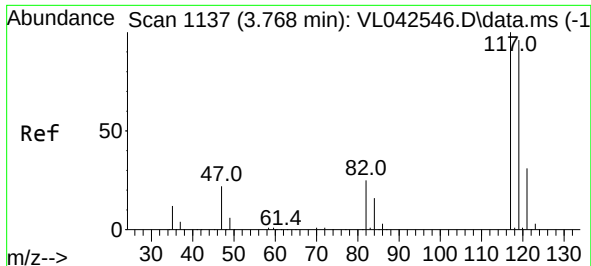
Tgt Ion: 43 Resp: 45382

Ion Ratio Lower Upper

43 100

72 26.5 20.5 30.7

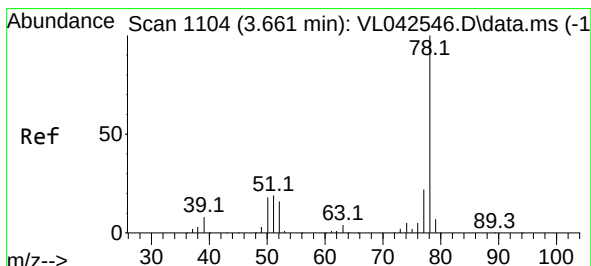
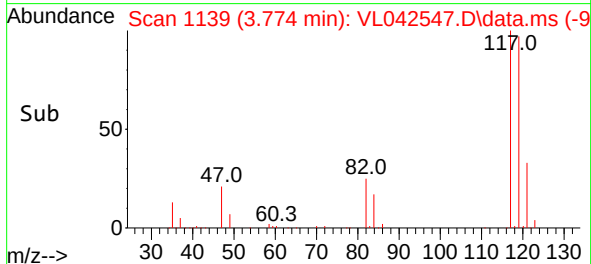
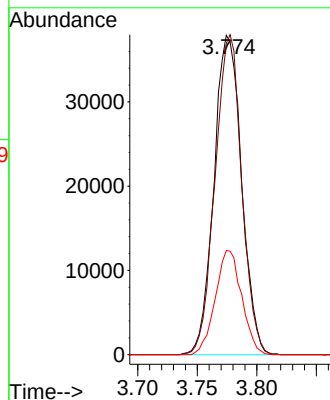
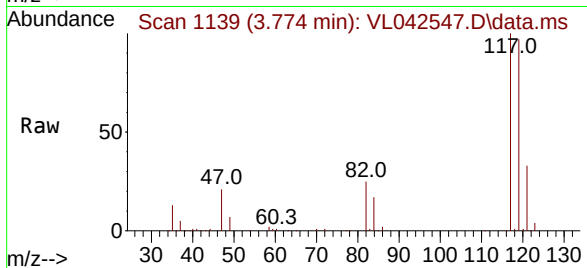




#35
Carbon Tetrachloride
Concen: 1.924 ppbv
RT: 3.774 min Scan# 1137
Delta R.T. 0.006 min
Lab File: VL042547.D
Acq: 20 May 2025 09:46

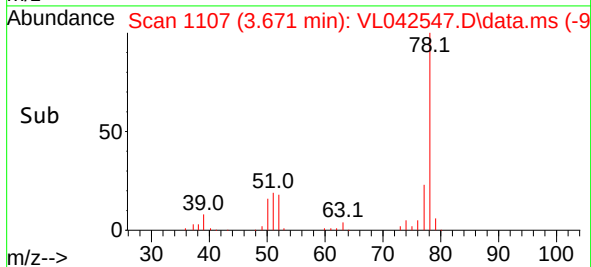
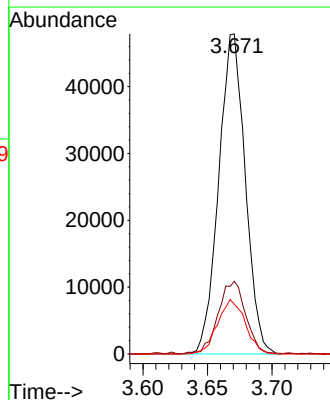
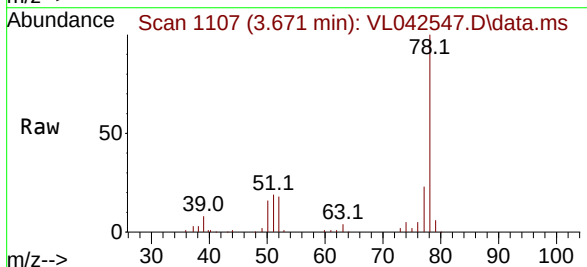
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC002

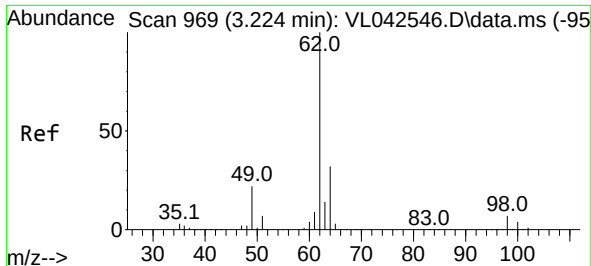
Tgt Ion:117 Resp: 61000
Ion Ratio Lower Upper
117 100
119 97.5 76.6 114.8
121 32.6 24.7 37.1



#36
Benzene
Concen: 2.033 ppbv
RT: 3.671 min Scan# 1107
Delta R.T. 0.010 min
Lab File: VL042547.D
Acq: 20 May 2025 09:46

Tgt Ion: 78 Resp: 68454
Ion Ratio Lower Upper
78 100
77 22.7 17.8 26.6
50 15.6 14.0 21.0

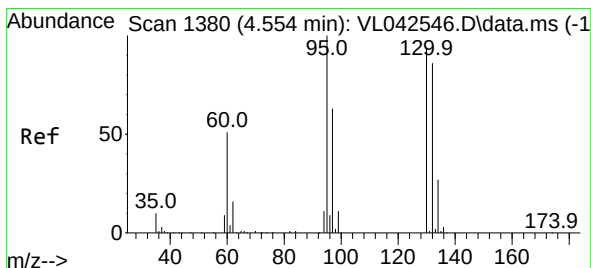
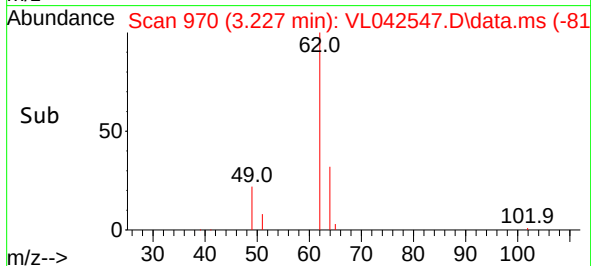
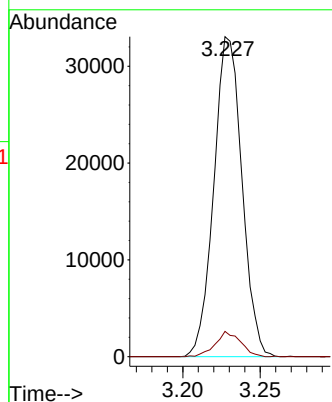
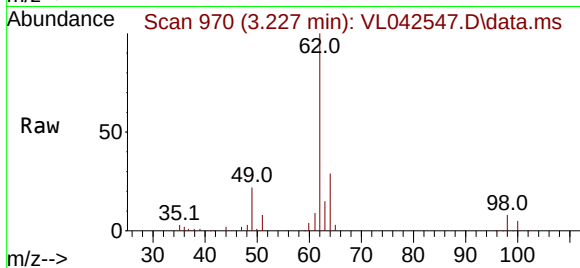




#37
1,2-Dichloroethane
Concen: 2.027 ppbv
RT: 3.227 min Scan# 91
Delta R.T. 0.003 min
Lab File: VL042547.D
Acq: 20 May 2025 09:46

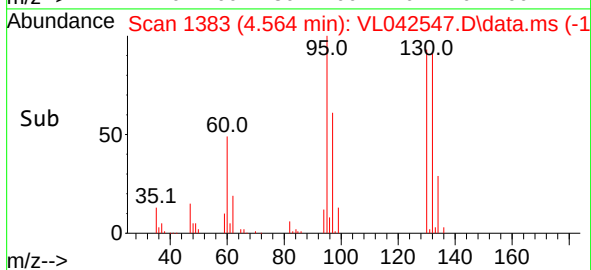
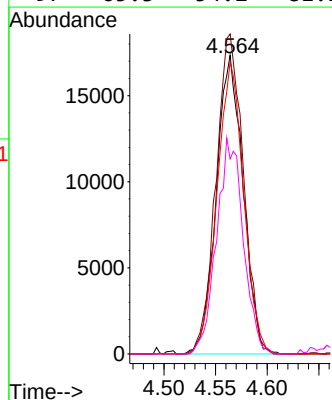
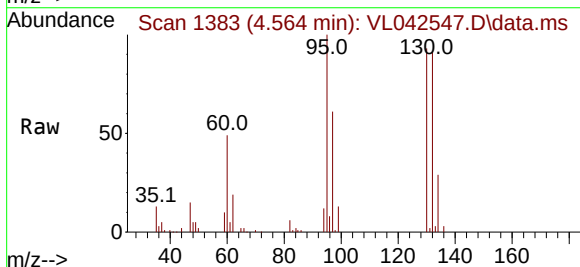
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

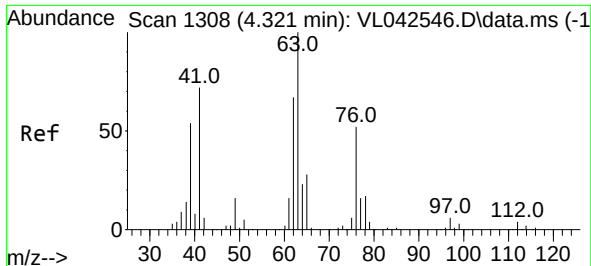
Tgt Ion: 62 Resp: 41704
Ion Ratio Lower Upper
62 100
98 7.1 5.5 8.3



#38
Trichloroethene
Concen: 2.037 ppbv
RT: 4.564 min Scan# 1383
Delta R.T. 0.010 min
Lab File: VL042547.D
Acq: 20 May 2025 09:46

Tgt Ion:130 Resp: 31295
Ion Ratio Lower Upper
130 100
95 107.1 85.2 127.8
132 97.7 73.4 110.2
97 65.3 54.2 81.2





#39

1,2-Dichloropropane

Concen: 2.066 ppbv

RT: 4.328 min Scan# 11

Delta R.T. 0.006 min

Lab File: VL042547.D

Acq: 20 May 2025 09:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

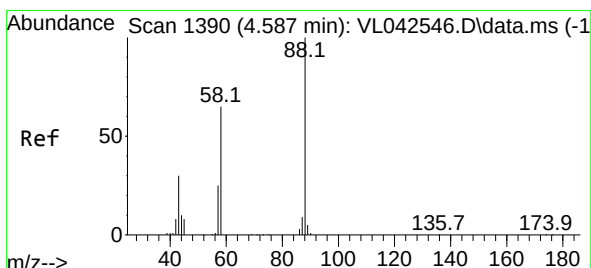
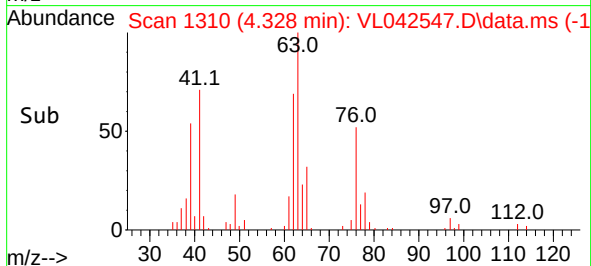
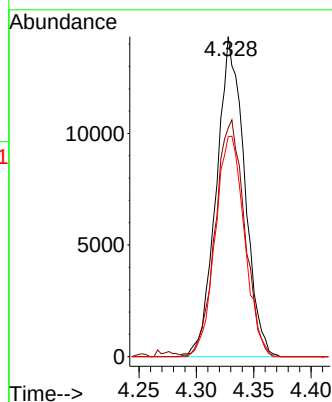
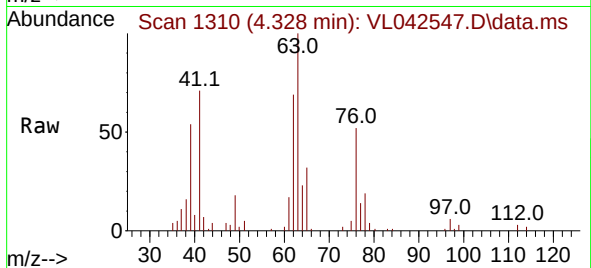
Tgt Ion: 63 Resp: 24417

Ion Ratio Lower Upper

63 100

41 71.5 58.0 87.0

62 68.8 53.3 79.9



#40

1,4-Dioxane

Concen: 1.932 ppbv

RT: 4.606 min Scan# 1396

Delta R.T. 0.019 min

Lab File: VL042547.D

Acq: 20 May 2025 09:46

Tgt Ion: 88 Resp: 10273

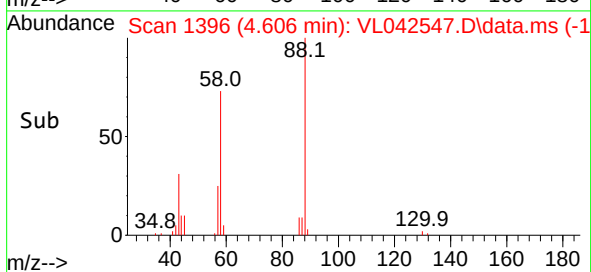
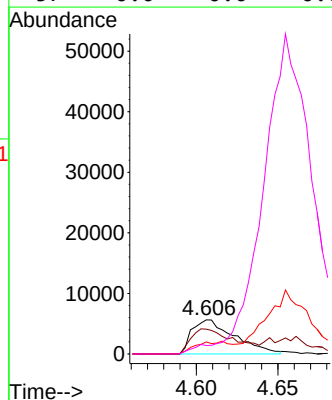
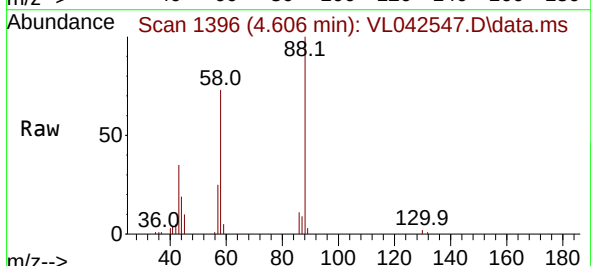
Ion Ratio Lower Upper

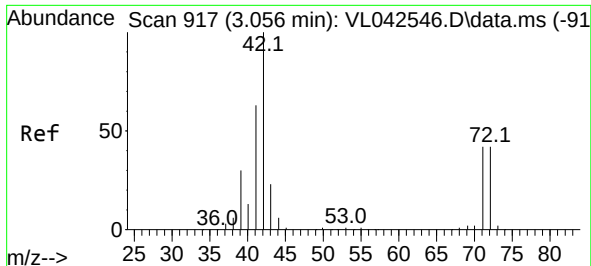
88 100

58 75.6 52.8 79.2

43 0.0 23.0 34.4#

57 0.0 0.0 0.0

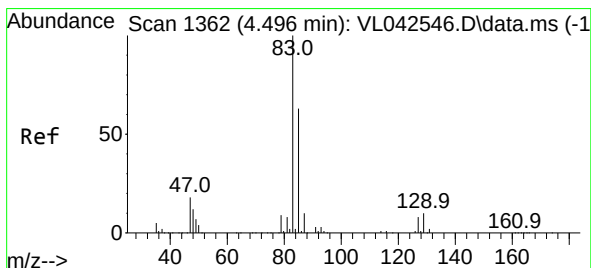
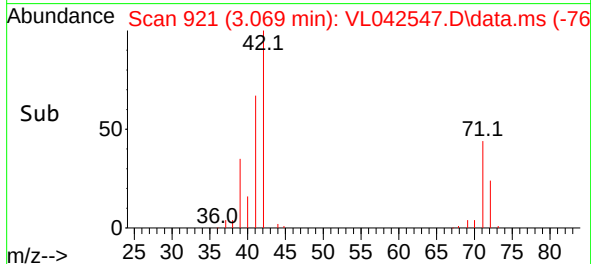
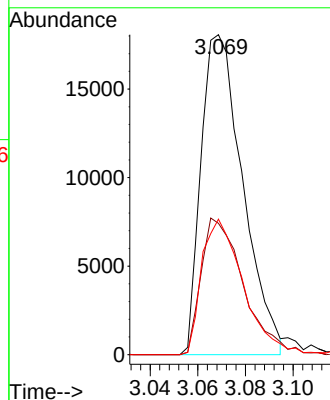
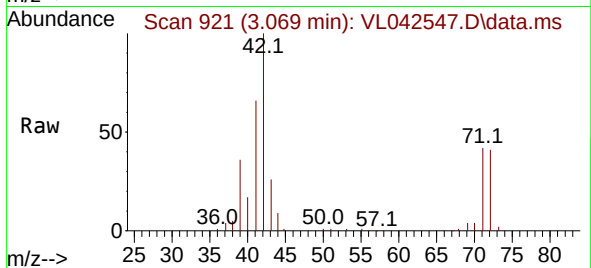




#41
Tetrahydrofuran
Concen: 2.044 ppbv
RT: 3.069 min Scan# 917
Delta R.T. 0.013 min
Lab File: VL042547.D
Acq: 20 May 2025 09:46

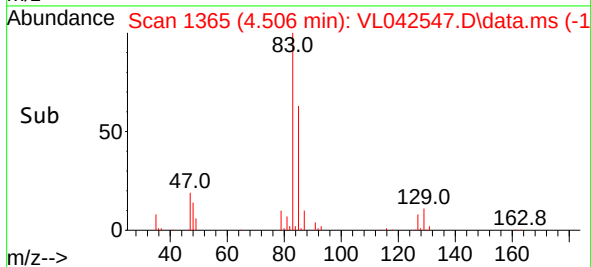
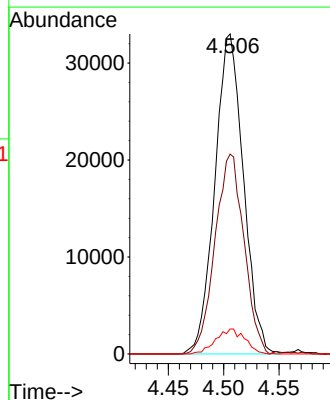
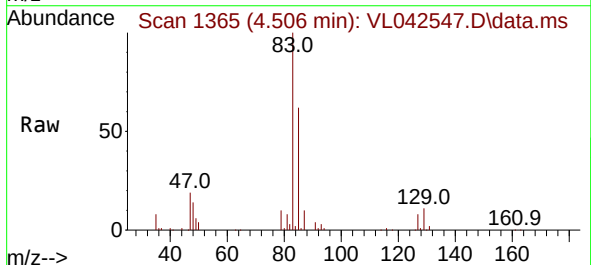
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

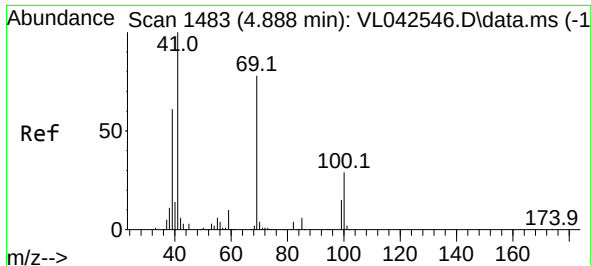
Tgt Ion: 42 Resp: 22003
Ion Ratio Lower Upper
42 100
72 43.6 34.8 52.2
71 42.6 33.6 50.4



#42
Bromodichloromethane
Concen: 2.042 ppbv
RT: 4.506 min Scan# 1365
Delta R.T. 0.010 min
Lab File: VL042547.D
Acq: 20 May 2025 09:46

Tgt Ion: 83 Resp: 59264
Ion Ratio Lower Upper
83 100
85 62.4 50.4 75.6
127 7.8 6.5 9.7

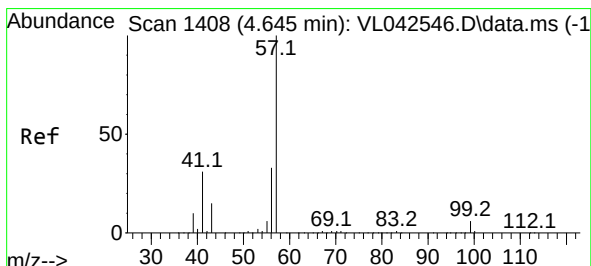
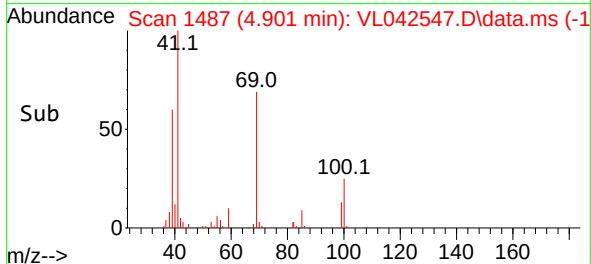
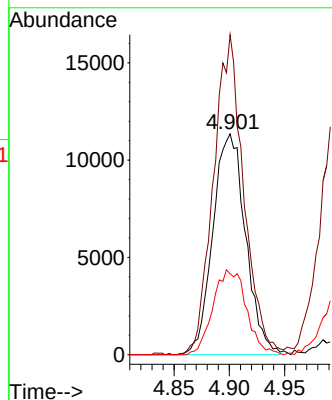
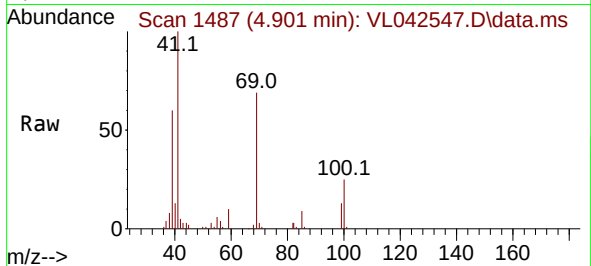




#43
Methyl Methacrylate
Concen: 2.043 ppbv
RT: 4.901 min Scan# 1411
Delta R.T. 0.013 min
Lab File: VL042547.D
Acq: 20 May 2025 09:46

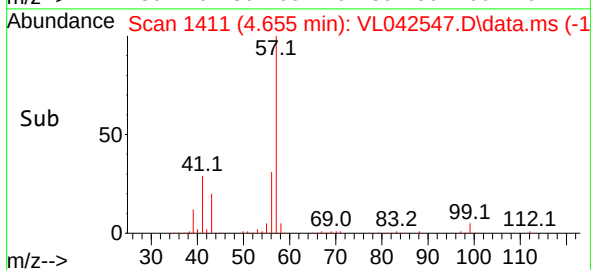
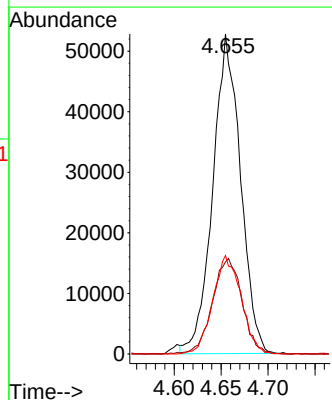
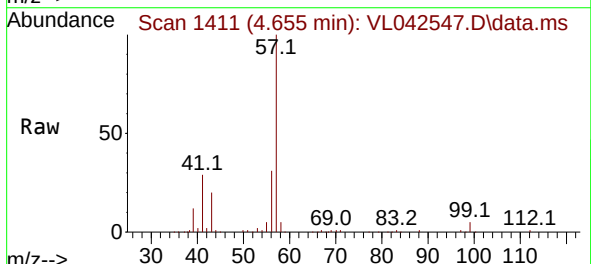
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC002

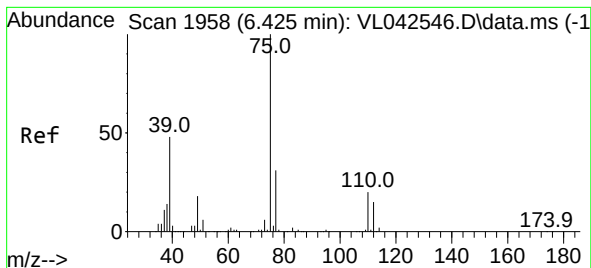
Tgt Ion: 69 Resp: 23295
Ion Ratio Lower Upper
69 100
41 134.4 107.8 161.8
100 39.2 30.3 45.5



#44
2,2,4-Trimethylpentane
Concen: 2.099 ppbv
RT: 4.655 min Scan# 1411
Delta R.T. 0.010 min
Lab File: VL042547.D
Acq: 20 May 2025 09:46

Tgt Ion: 57 Resp: 108048
Ion Ratio Lower Upper
57 100
41 32.0 25.0 37.4
56 31.4 25.1 37.7





#45

t-1,3-Dichloropropene

Concen: 2.011 ppbv

RT: 6.435 min Scan# 1958

Delta R.T. 0.010 min

Lab File: VL042547.D

Acq: 20 May 2025 09:46

Instrument :

MSVOA_L

ClientSampleId :

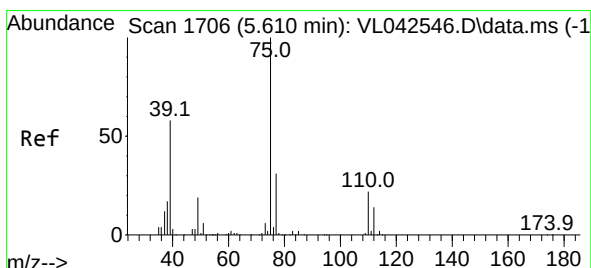
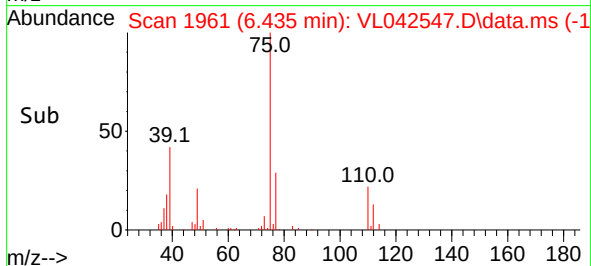
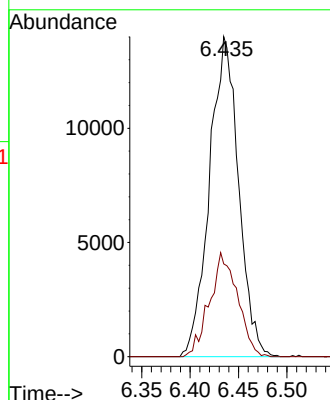
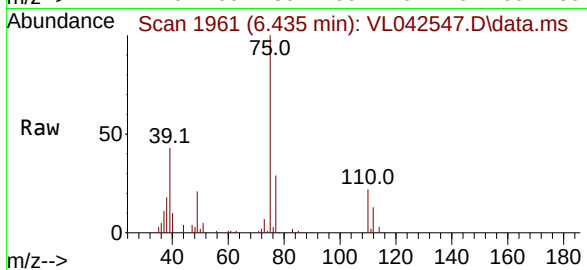
VSTDICC002

Tgt Ion: 75 Resp: 29249

Ion Ratio Lower Upper

75 100

77 29.0 24.6 37.0



#46

cis-1,3-Dichloropropene

Concen: 2.002 ppbv

RT: 5.619 min Scan# 1709

Delta R.T. 0.010 min

Lab File: VL042547.D

Acq: 20 May 2025 09:46

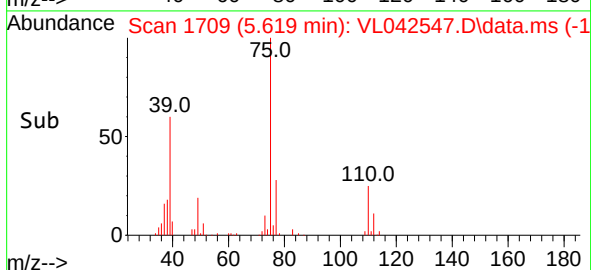
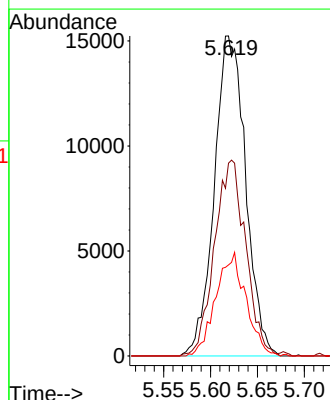
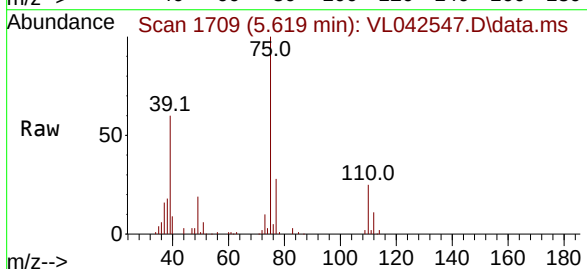
Tgt Ion: 75 Resp: 35346

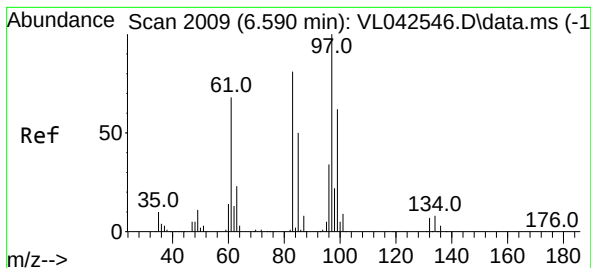
Ion Ratio Lower Upper

75 100

39 60.3 46.3 69.5

77 28.5 25.0 37.6





#47

1,1,2-Trichloroethane

Concen: 2.070 ppbv

RT: 6.600 min Scan# 2009

Delta R.T. 0.010 min

Lab File: VL042547.D

Acq: 20 May 2025 09:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tgt Ion: 97 Resp: 29298

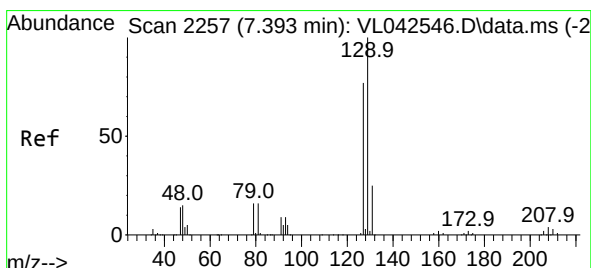
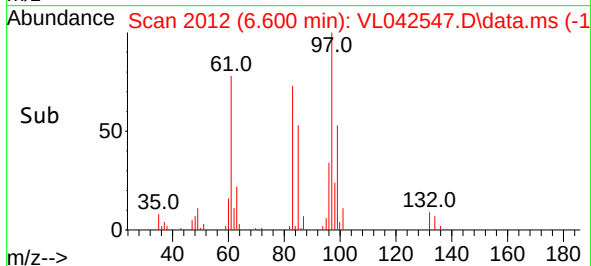
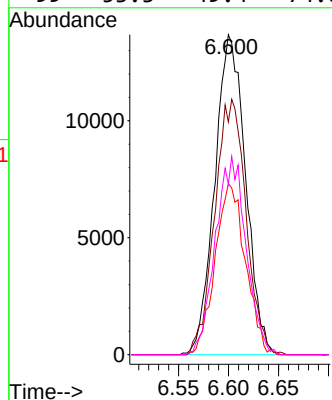
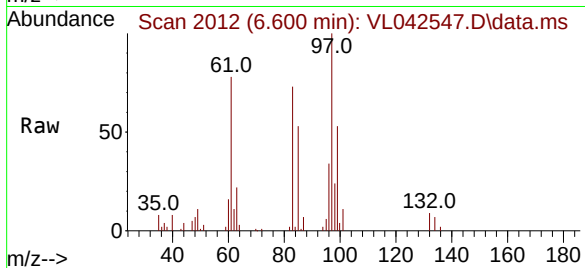
Ion Ratio Lower Upper

97 100

83 72.7 65.0 97.4

85 53.5 39.9 59.9

99 53.3 49.4 74.0



#48

Dibromochloromethane

Concen: 2.027 ppbv

RT: 7.403 min Scan# 2260

Delta R.T. 0.010 min

Lab File: VL042547.D

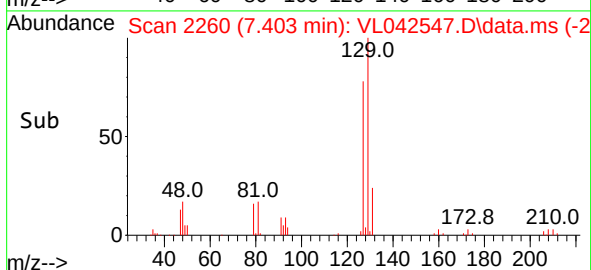
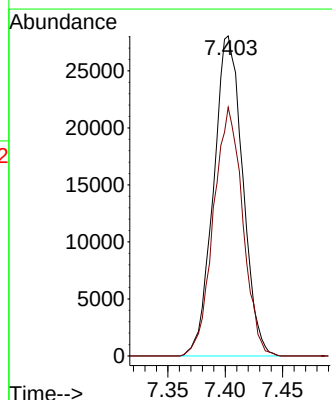
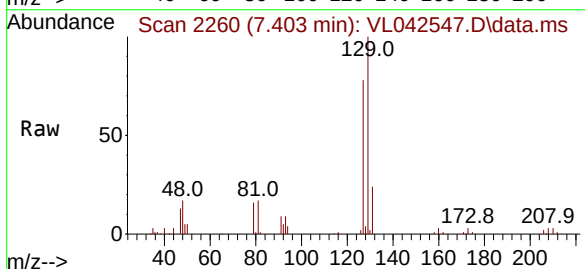
Acq: 20 May 2025 09:46

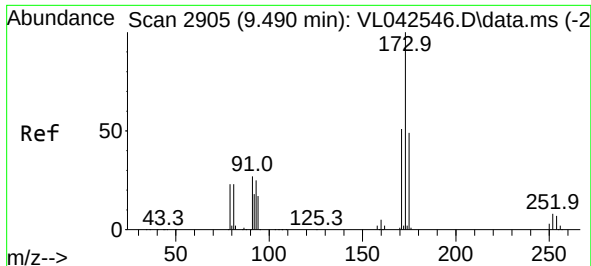
Tgt Ion: 129 Resp: 49656

Ion Ratio Lower Upper

129 100

127 77.8 39.0 117.0

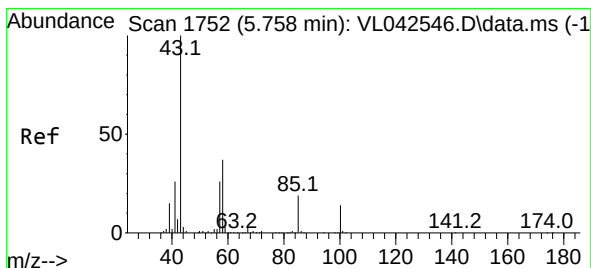
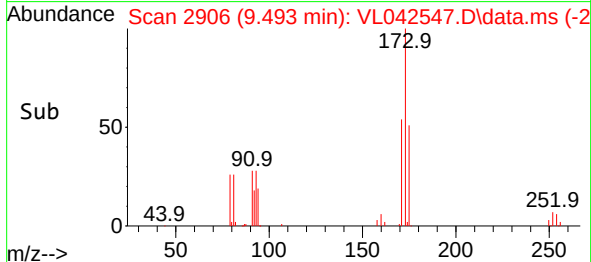
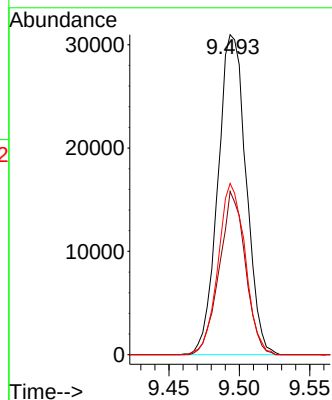
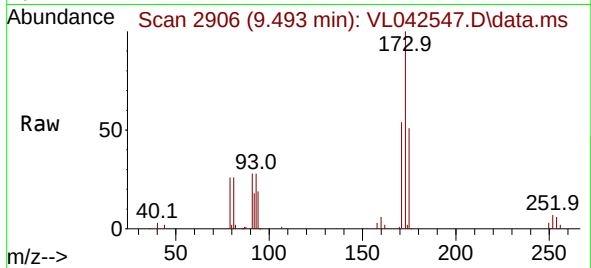




#49
Bromoform
Concen: 2.064 ppbv
RT: 9.493 min Scan# 2906
Delta R.T. 0.003 min
Lab File: VL042547.D
Acq: 20 May 2025 09:46

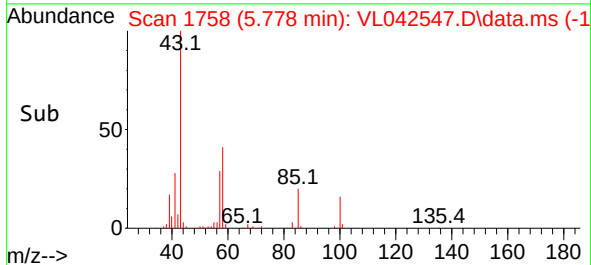
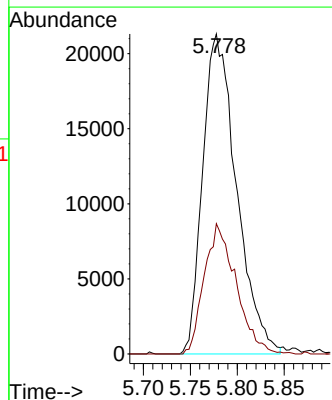
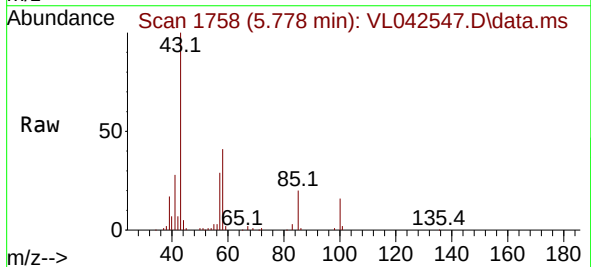
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

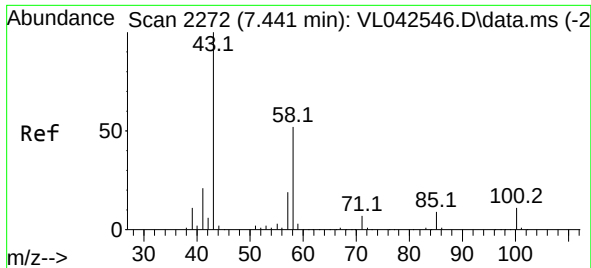
Tgt Ion:173 Resp: 43149
Ion Ratio Lower Upper
173 100
175 47.1 39.2 58.8
171 51.5 41.9 62.9



#50
4-Methyl-2-Pentanone
Concen: 2.017 ppbv
RT: 5.778 min Scan# 1758
Delta R.T. 0.019 min
Lab File: VL042547.D
Acq: 20 May 2025 09:46

Tgt Ion: 43 Resp: 53338
Ion Ratio Lower Upper
43 100
58 38.4 30.0 45.0

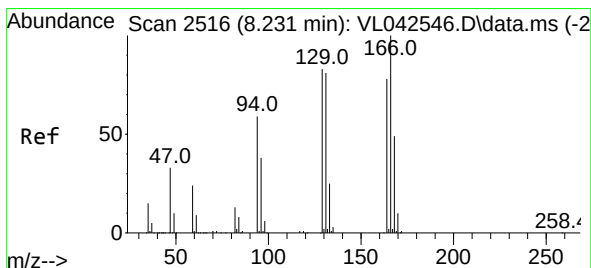
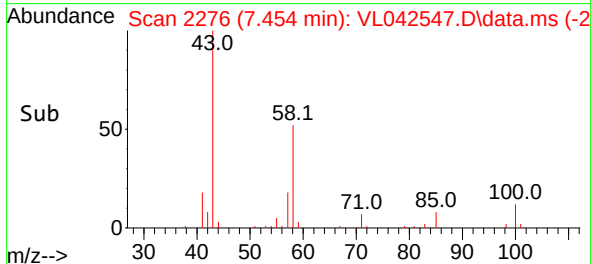
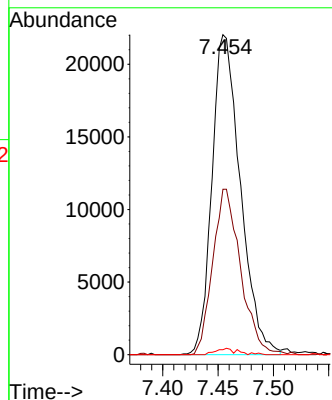
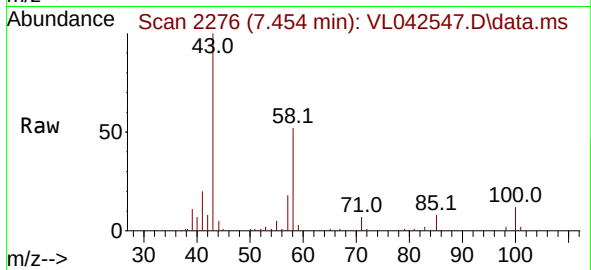




#51
2-Hexanone
Concen: 2.026 ppbv
RT: 7.454 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL042547.D
Acq: 20 May 2025 09:46

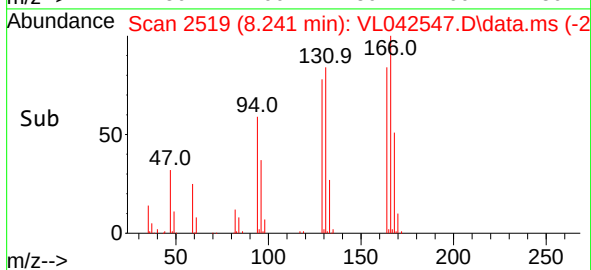
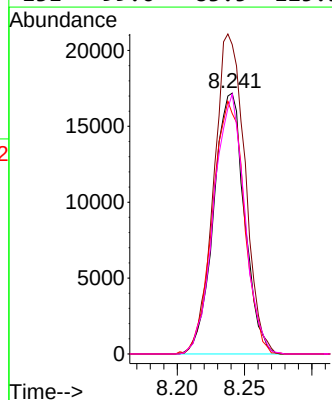
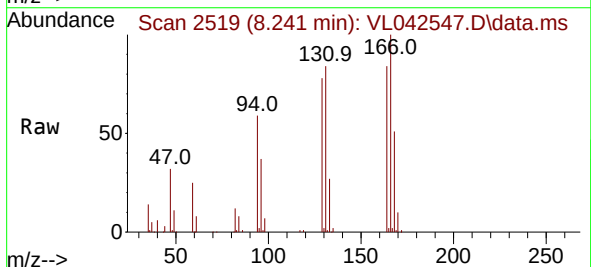
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

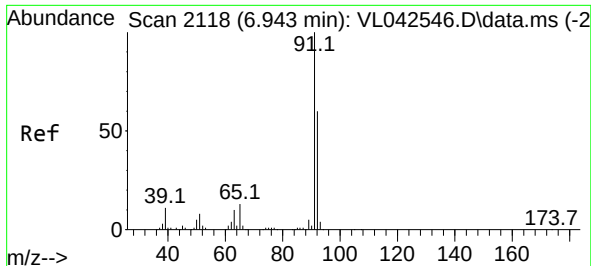
Tgt Ion: 43 Resp: 39354
Ion Ratio Lower Upper
43 100
58 50.9 41.4 62.2
98 1.6 0.4 0.6#



#52
Tetrachloroethene
Concen: 2.074 ppbv
RT: 8.241 min Scan# 2519
Delta R.T. 0.010 min
Lab File: VL042547.D
Acq: 20 May 2025 09:46

Tgt Ion: 164 Resp: 27225
Ion Ratio Lower Upper
164 100
166 118.6 103.1 154.7
129 91.8 85.3 127.9
131 99.6 83.5 125.3

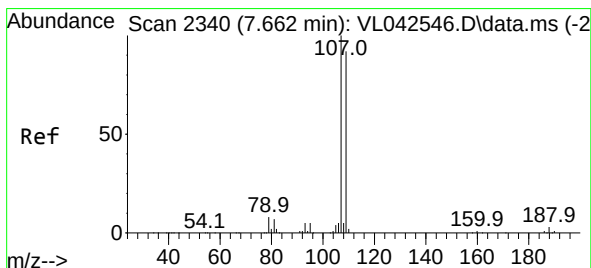
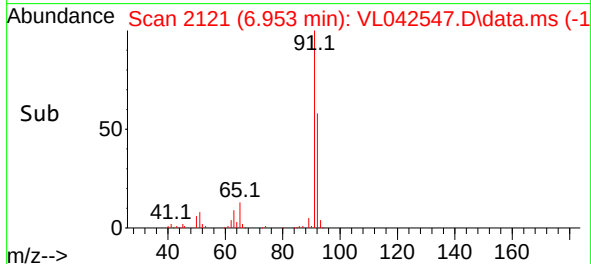
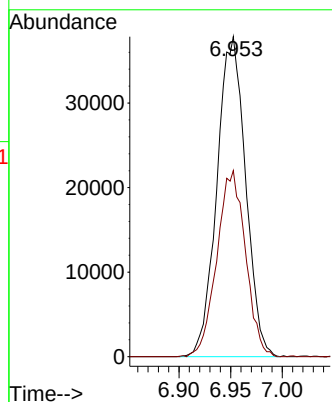
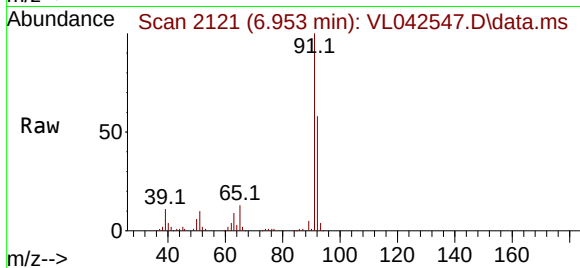




#53
Toluene
Concen: 2.031 ppbv
RT: 6.953 min Scan# 2118
Delta R.T. 0.010 min
Lab File: VL042547.D
Acq: 20 May 2025 09:46

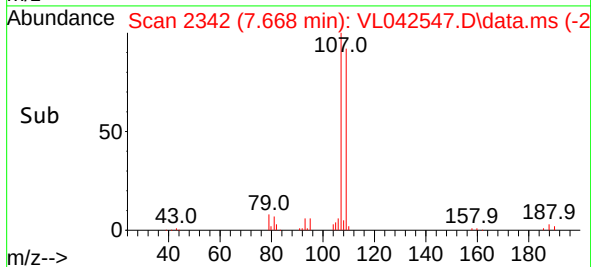
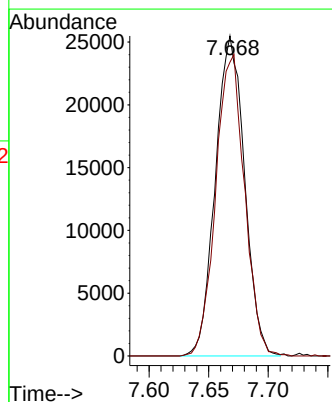
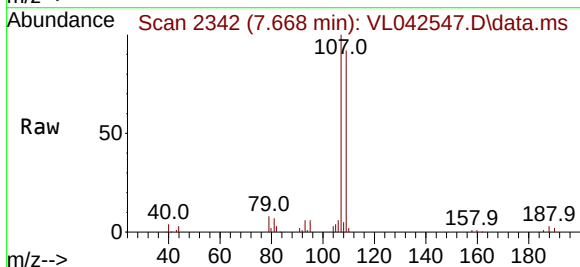
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

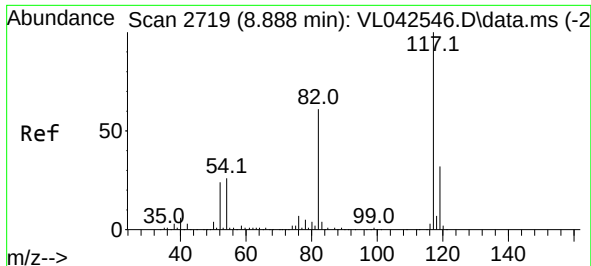
Tgt Ion: 91 Resp: 73097
Ion Ratio Lower Upper
91 100
92 58.0 47.8 71.8



#54
1,2-Dibromoethane
Concen: 2.106 ppbv
RT: 7.668 min Scan# 2342
Delta R.T. 0.006 min
Lab File: VL042547.D
Acq: 20 May 2025 09:46

Tgt Ion: 107 Resp: 43358
Ion Ratio Lower Upper
107 100
109 91.8 73.4 110.2

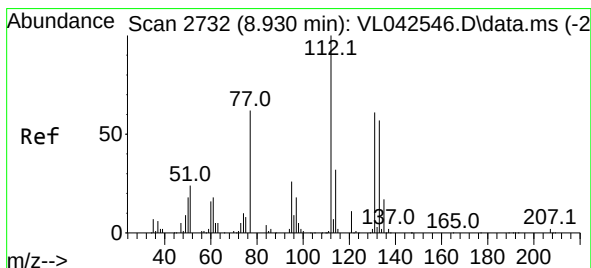
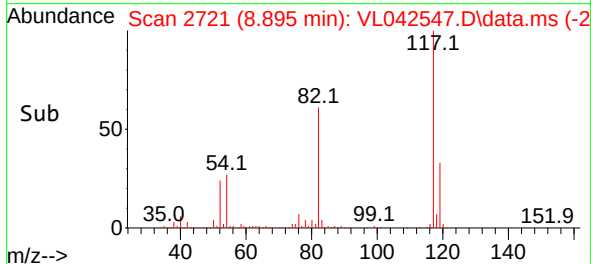
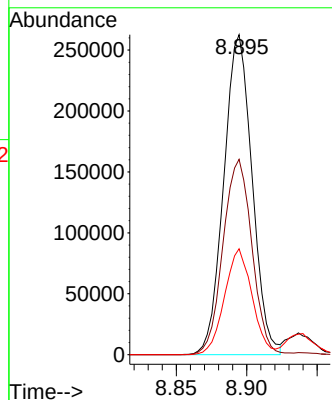
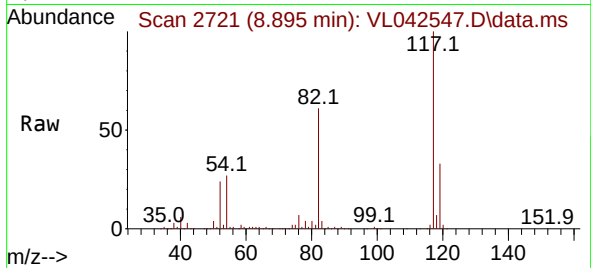




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.895 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL042547.D
Acq: 20 May 2025 09:46

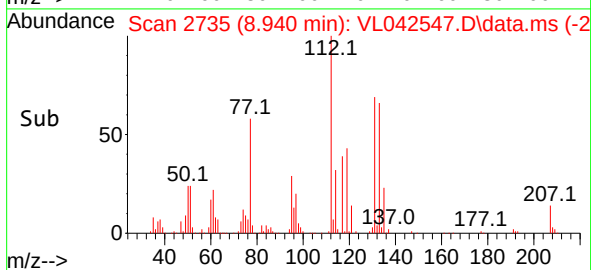
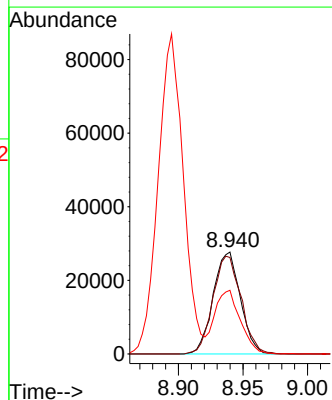
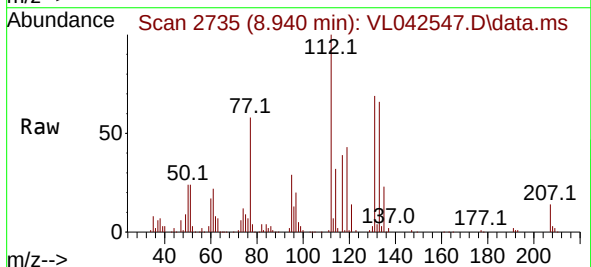
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

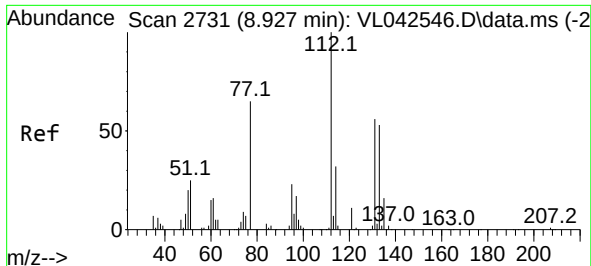
Tgt Ion:117 Resp: 368613
Ion Ratio Lower Upper
117 100
82 62.7 51.0 76.4
119 33.1 27.0 40.4



#56
1,1,1,2-Tetrachloroethane
Concen: 2.063 ppbv
RT: 8.940 min Scan# 2735
Delta R.T. 0.010 min
Lab File: VL042547.D
Acq: 20 May 2025 09:46

Tgt Ion:131 Resp: 40539
Ion Ratio Lower Upper
131 100
133 99.4 76.3 114.5
119 59.0 47.5 71.3

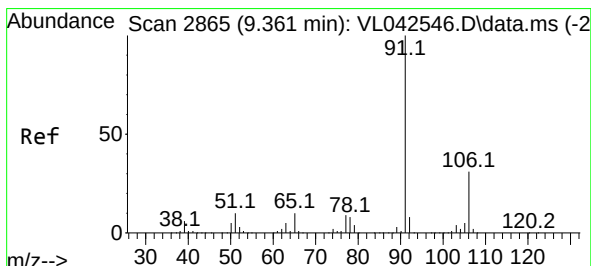
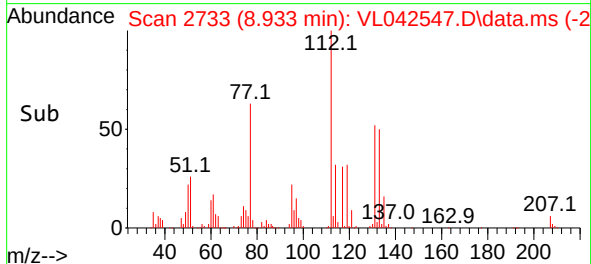
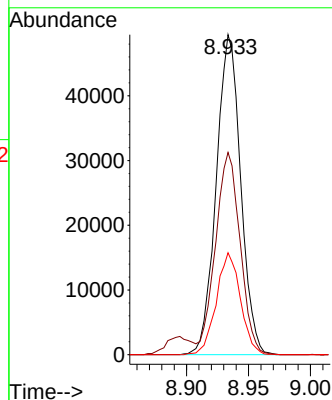
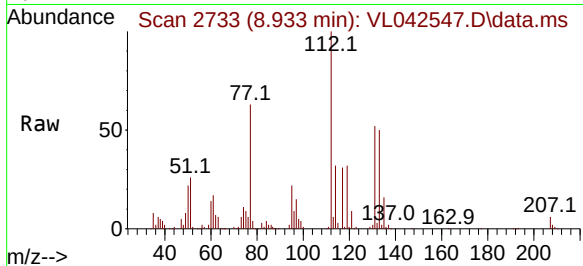




#57
Chlorobenzene
Concen: 2.071 ppbv
RT: 8.933 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL042547.D
Acq: 20 May 2025 09:46

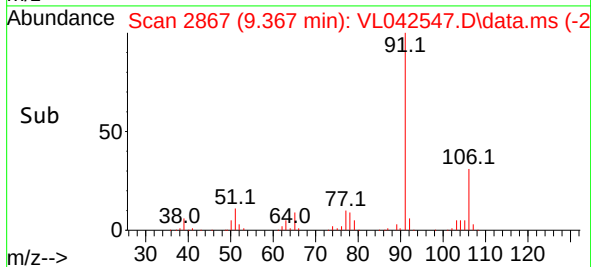
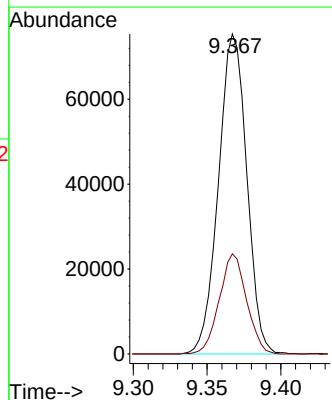
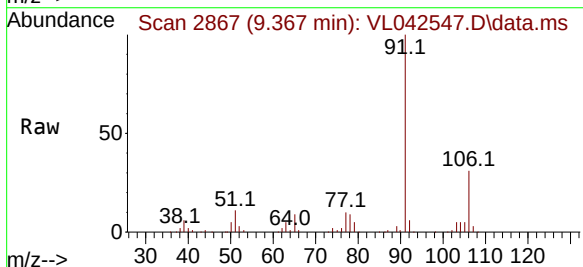
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC002

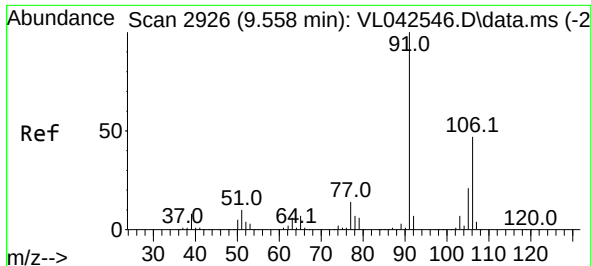
Tgt Ion:112 Resp: 68014
Ion Ratio Lower Upper
112 100
77 63.2 53.2 79.8
114 31.9 28.4 34.8



#58
Ethyl Benzene
Concen: 2.085 ppbv
RT: 9.367 min Scan# 2867
Delta R.T. 0.006 min
Lab File: VL042547.D
Acq: 20 May 2025 09:46

Tgt Ion: 91 Resp: 100602
Ion Ratio Lower Upper
91 100
106 31.3 24.6 37.0

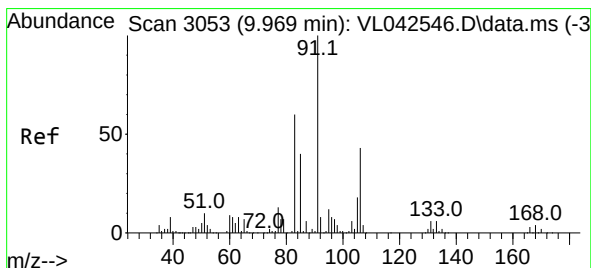
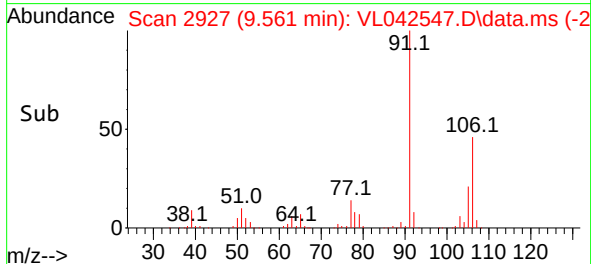
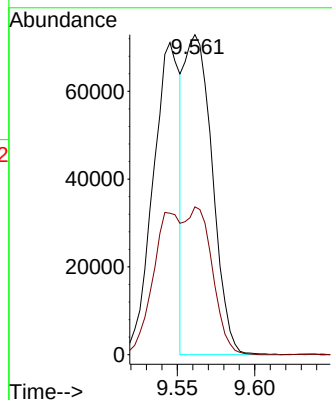
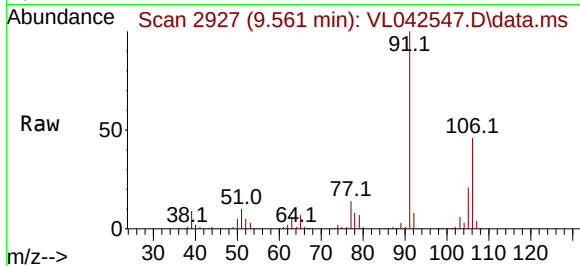




#59
m/p-Xylene
Concen: 2.216 ppbv
RT: 9.561 min Scan# 2926
Delta R.T. 0.003 min
Lab File: VL042547.D
Acq: 20 May 2025 09:46

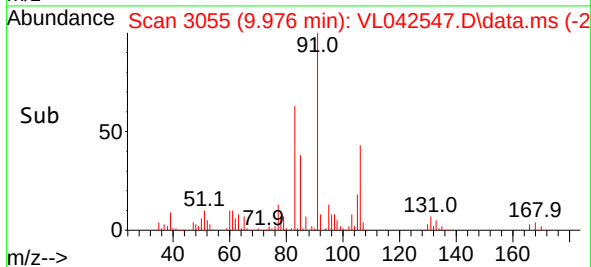
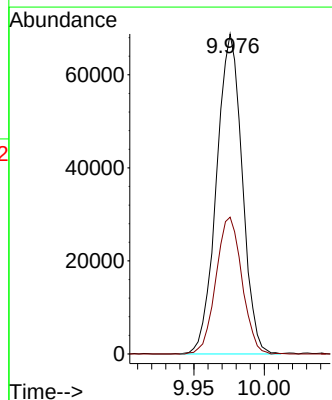
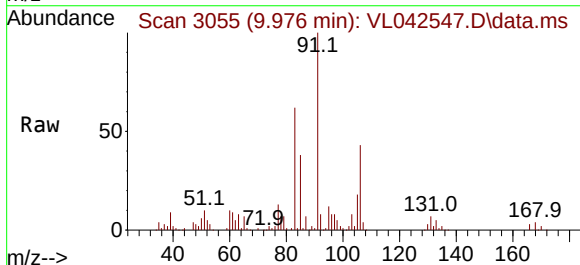
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC002

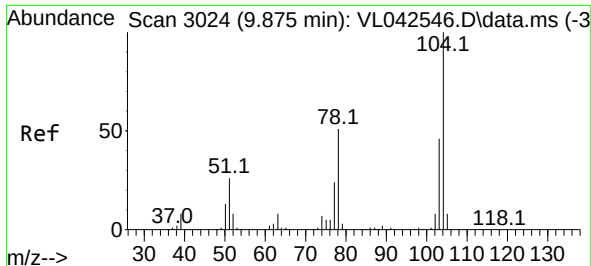
Tgt Ion: 91 Resp: 91210
Ion Ratio Lower Upper
91 100
106 89.7 37.1 55.7#



#60
o-Xylene
Concen: 2.142 ppbv
RT: 9.976 min Scan# 3055
Delta R.T. 0.006 min
Lab File: VL042547.D
Acq: 20 May 2025 09:46

Tgt Ion: 91 Resp: 87270
Ion Ratio Lower Upper
91 100
106 43.2 21.6 64.8





#61

Styrene

Concen: 1.986 ppbv

RT: 9.882 min Scan# 3024

Delta R.T. 0.006 min

Lab File: VL042547.D

Acq: 20 May 2025 09:46

Instrument :

MSVOA_1

ClientSampleId :

VSTDICC002

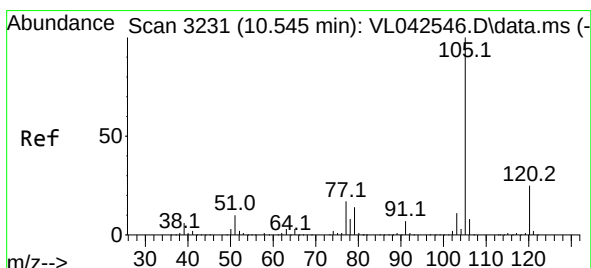
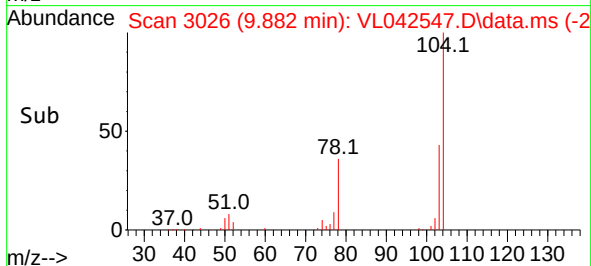
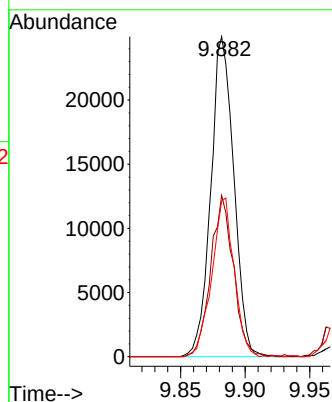
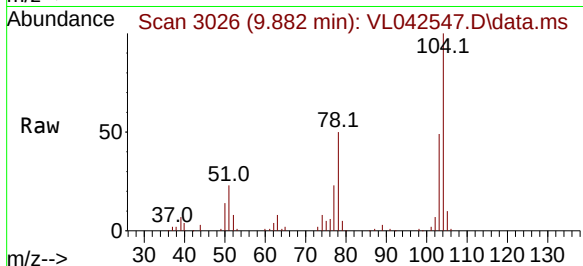
Tgt Ion:104 Resp: 31019

Ion Ratio Lower Upper

104 100

78 49.6 39.2 58.8

103 48.1 37.1 55.7



#62

Isopropylbenzene

Concen: 2.089 ppbv

RT: 10.552 min Scan# 3233

Delta R.T. 0.006 min

Lab File: VL042547.D

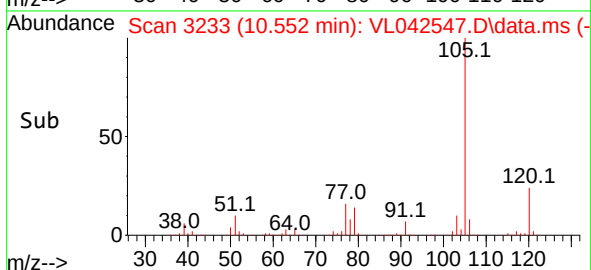
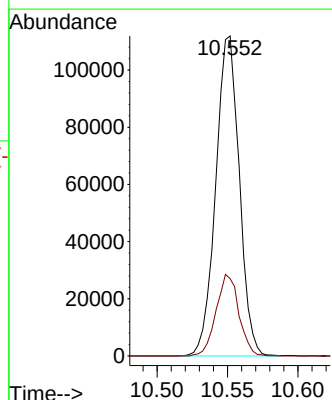
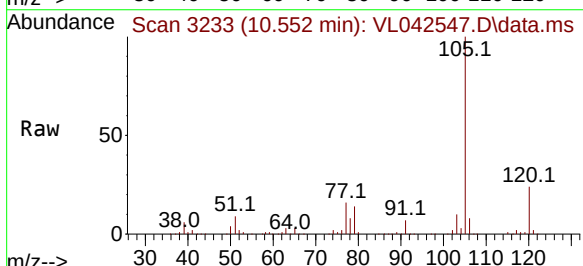
Acq: 20 May 2025 09:46

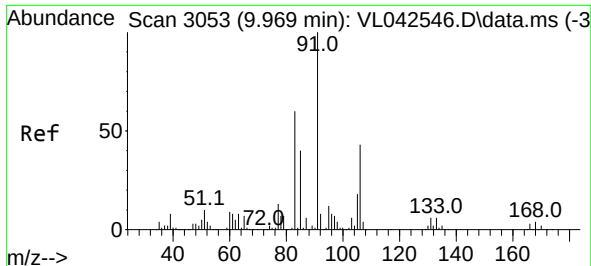
Tgt Ion:105 Resp: 130474

Ion Ratio Lower Upper

105 100

120 24.6 20.0 30.0





#63

1,1,2,2-Tetrachloroethane

Concen: 2.052 ppbv

RT: 9.976 min Scan# 3053

Delta R.T. 0.006 min

Lab File: VL042547.D

Acq: 20 May 2025 09:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

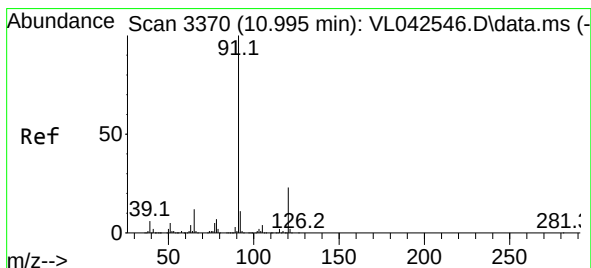
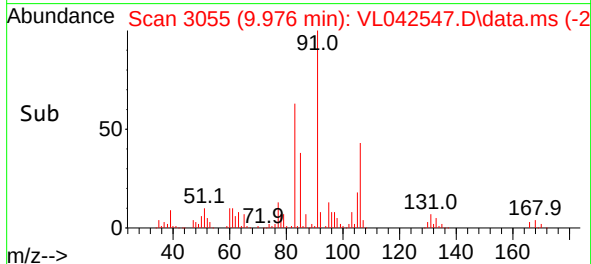
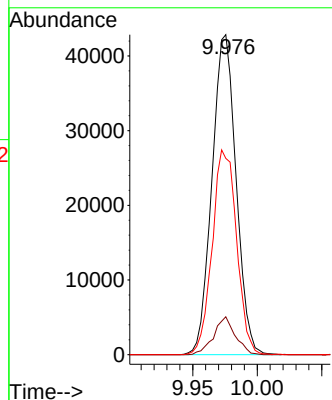
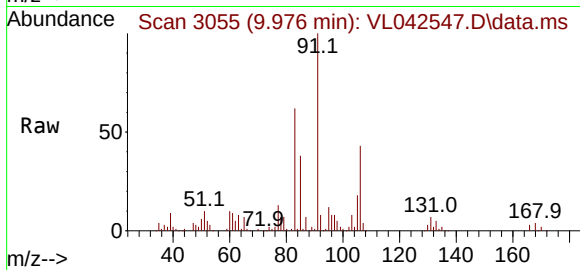
Tgt Ion: 83 Resp: 55662

Ion Ratio Lower Upper

83 100

131 10.6 5.1 15.3

85 64.7 32.5 97.4



#64

n-propylbenzene

Concen: 2.143 ppbv

RT: 10.998 min Scan# 3371

Delta R.T. 0.003 min

Lab File: VL042547.D

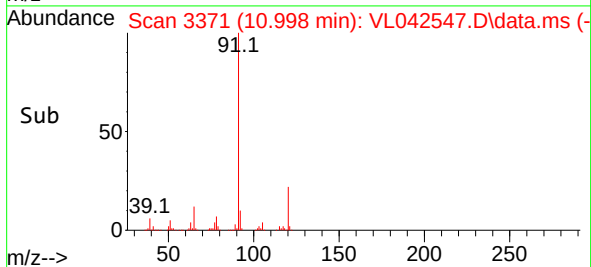
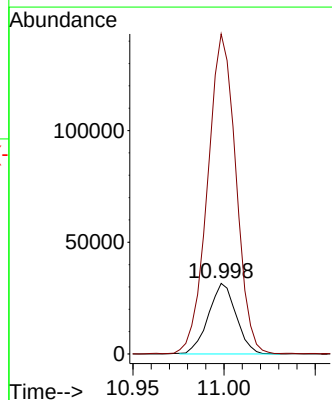
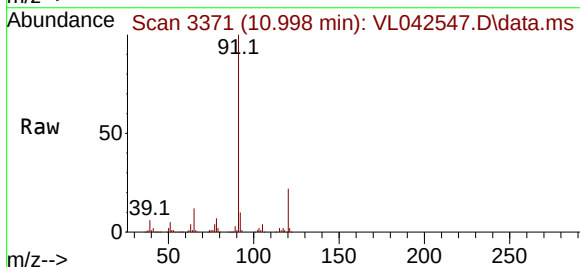
Acq: 20 May 2025 09:46

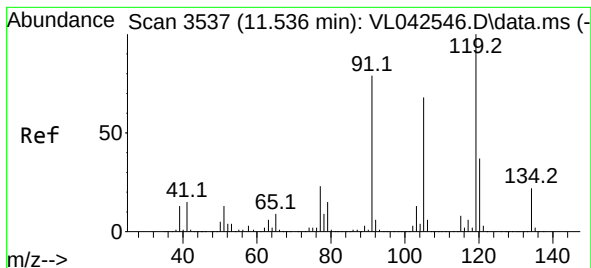
Tgt Ion: 120 Resp: 33337

Ion Ratio Lower Upper

120 100

91 466.7 367.0 550.4





#65

tert-Butylbenzene

Concen: 2.169 ppbv

RT: 11.539 min Scan# 3537

Delta R.T. 0.003 min

Lab File: VL042547.D

Acq: 20 May 2025 09:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

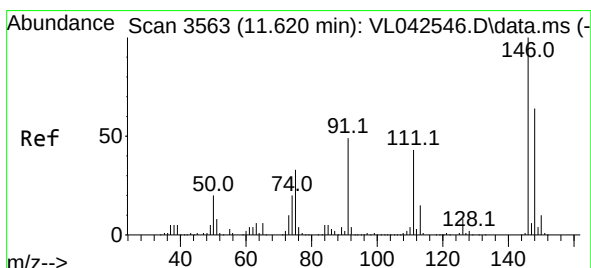
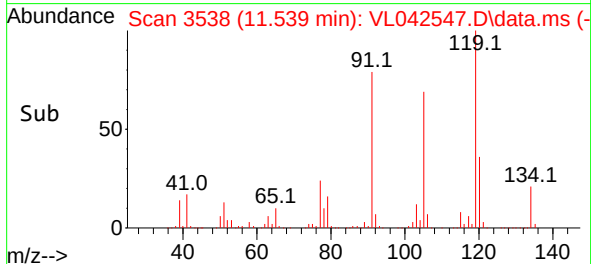
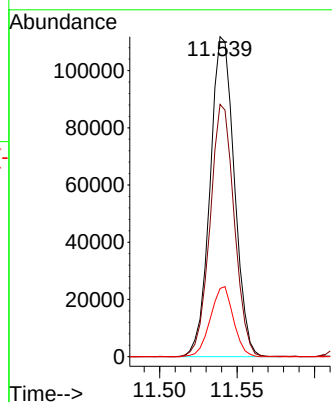
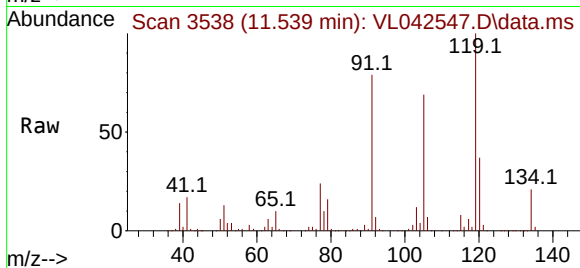
Tgt Ion:119 Resp: 121817

Ion Ratio Lower Upper

119 100

91 78.5 62.7 94.1

134 20.7 16.8 25.2



#66

Benzyl Chloride

Concen: 1.871 ppbv

RT: 11.623 min Scan# 3564

Delta R.T. 0.003 min

Lab File: VL042547.D

Acq: 20 May 2025 09:46

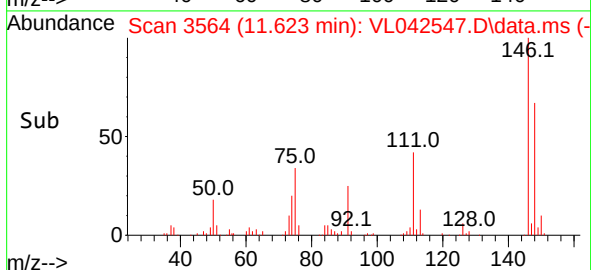
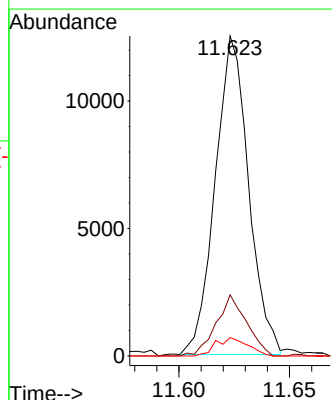
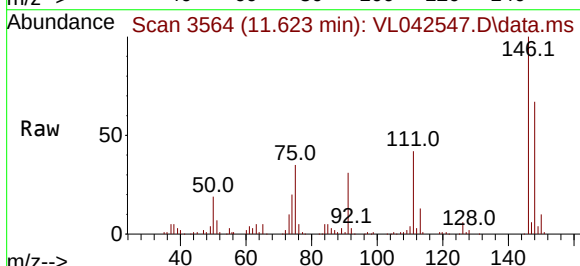
Tgt Ion: 91 Resp: 13145

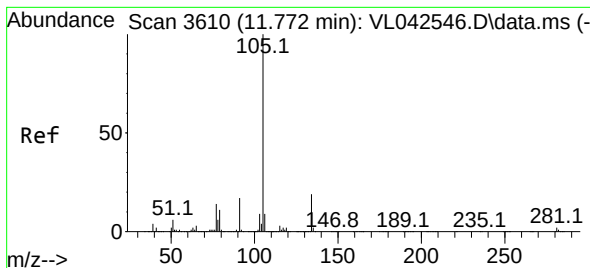
Ion Ratio Lower Upper

91 100

126 17.6 14.2 21.2

128 5.5 4.6 6.8

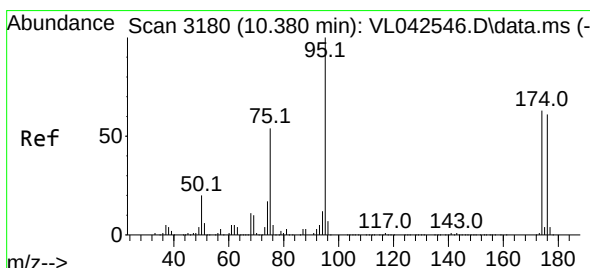
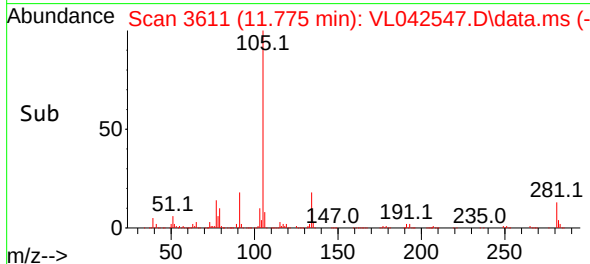
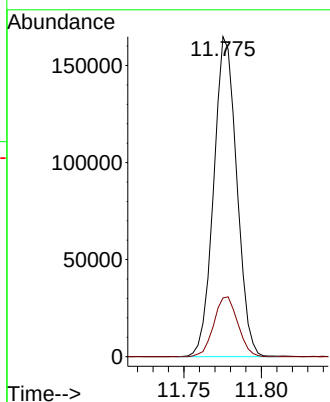
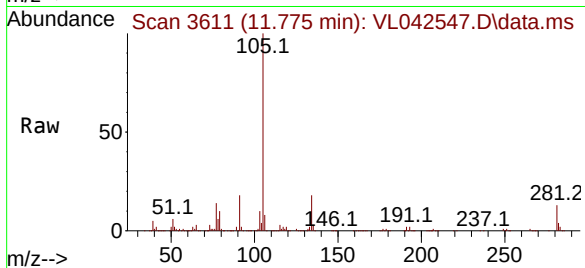




#67
 sec-Butylbenzene
 Concen: 2.154 ppbv
 RT: 11.775 min Scan# 3611
 Delta R.T. 0.003 min
 Lab File: VL042547.D
 Acq: 20 May 2025 09:46

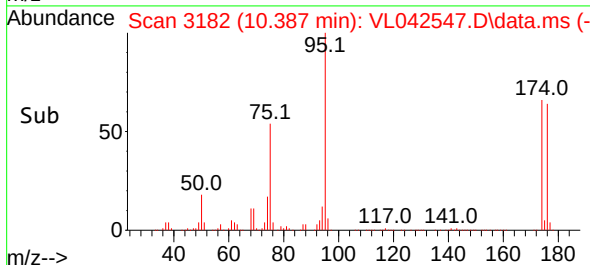
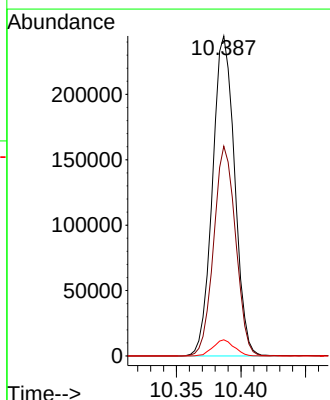
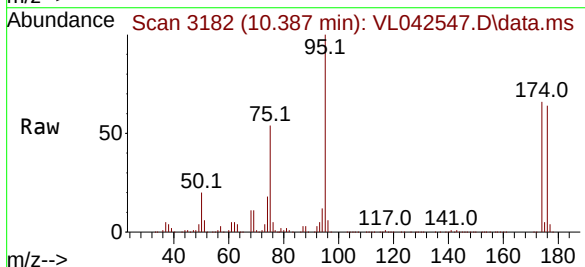
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

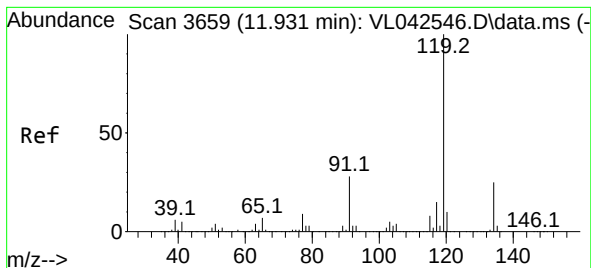
Tgt Ion:105 Resp: 170810
 Ion Ratio Lower Upper
 105 100
 134 19.5 15.4 23.2



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.857 ppbv
 RT: 10.387 min Scan# 3182
 Delta R.T. 0.006 min
 Lab File: VL042547.D
 Acq: 20 May 2025 09:46

Tgt Ion: 95 Resp: 290806
 Ion Ratio Lower Upper
 95 100
 174 65.0 52.0 78.0
 175 4.8 3.8 5.6





#69

p-Isopropyltoluene

Concen: 2.204 ppbv

RT: 11.934 min Scan# 3659

Delta R.T. 0.003 min

Lab File: VL042547.D

Acq: 20 May 2025 09:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

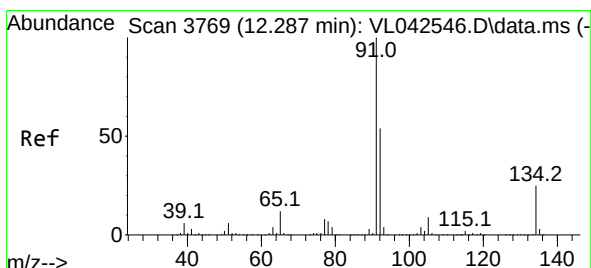
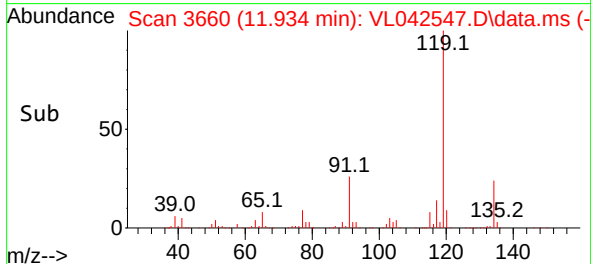
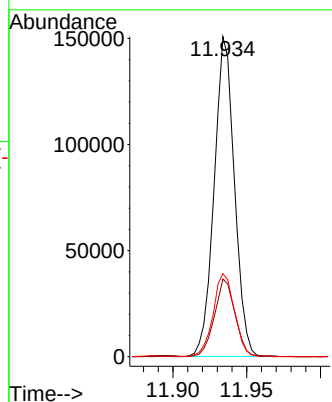
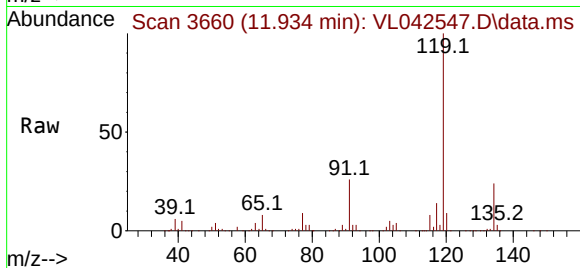
Tgt Ion:119 Resp: 144311

Ion Ratio Lower Upper

119 100

134 24.8 20.1 30.1

91 27.7 22.3 33.5



#70

n-Butylbenzene

Concen: 2.238 ppbv

RT: 12.290 min Scan# 3770

Delta R.T. 0.003 min

Lab File: VL042547.D

Acq: 20 May 2025 09:46

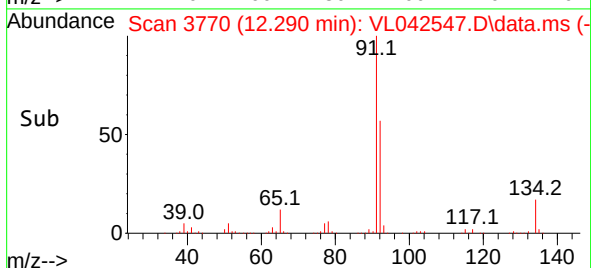
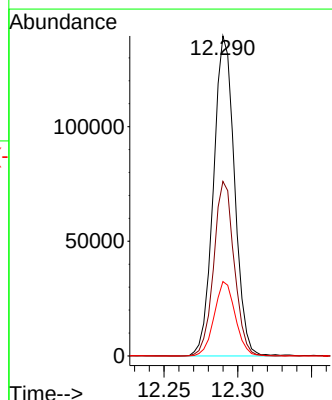
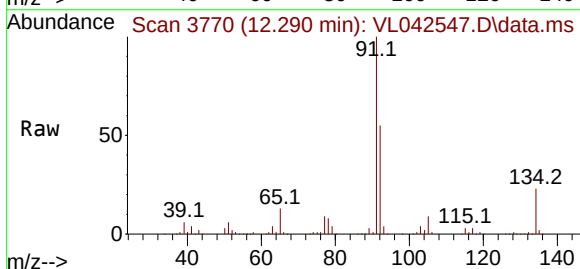
Tgt Ion: 91 Resp: 138470

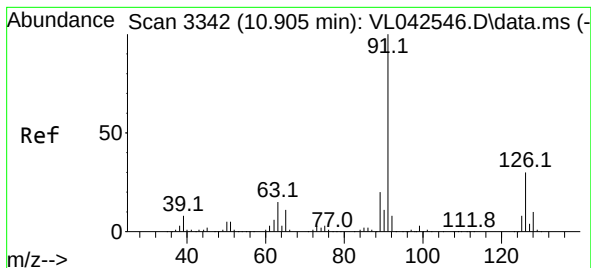
Ion Ratio Lower Upper

91 100

92 53.1 43.8 65.6

134 23.3 19.7 29.5

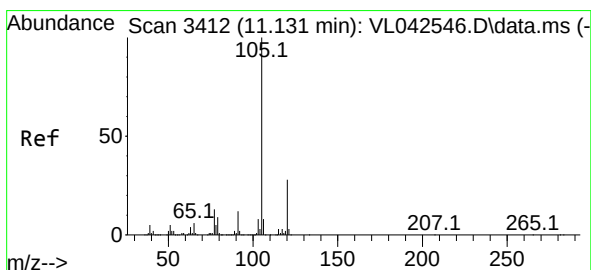
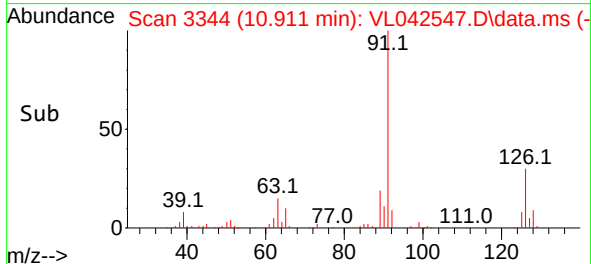
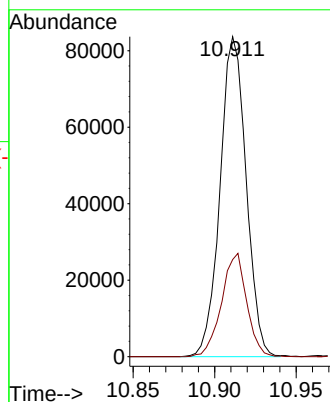
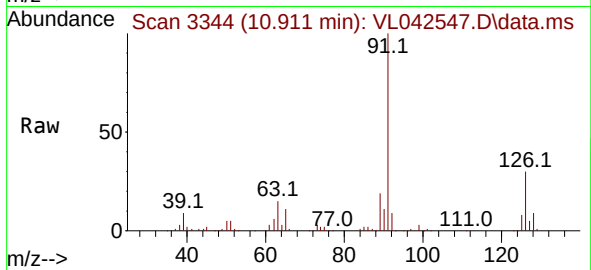




#71
2-Chlorotoluene
Concen: 2.070 ppbv
RT: 10.911 min Scan# 3111
Delta R.T. 0.006 min
Lab File: VL042547.D
Acq: 20 May 2025 09:46

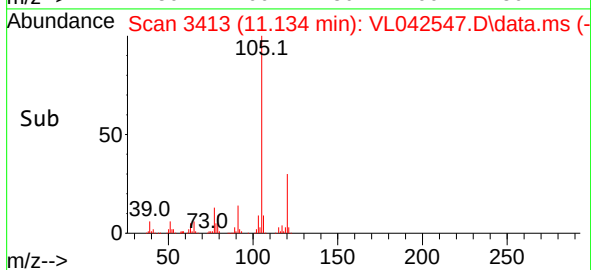
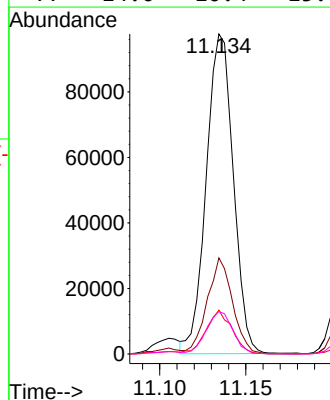
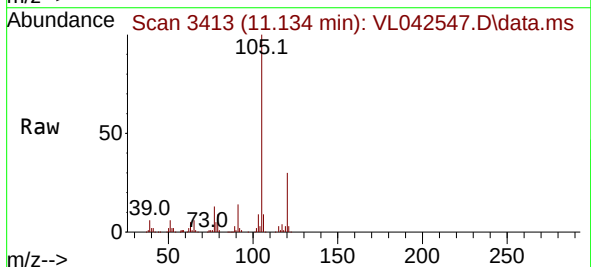
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC002

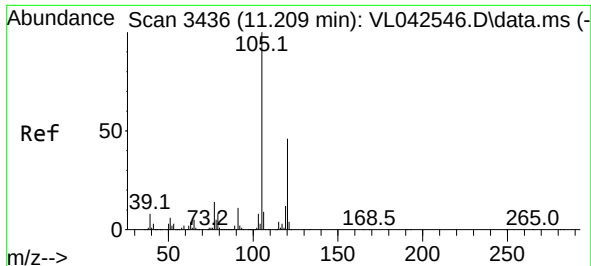
Tgt Ion: 91 Resp: 93049
Ion Ratio Lower Upper
91 100
126 31.2 12.4 49.4



#72
4-Ethyltoluene
Concen: 2.118 ppbv
RT: 11.134 min Scan# 3413
Delta R.T. 0.003 min
Lab File: VL042547.D
Acq: 20 May 2025 09:46

Tgt Ion: 105 Resp: 106770
Ion Ratio Lower Upper
105 100
120 29.8 23.4 35.0
91 14.1 10.2 15.4
77 14.0 10.4 15.6

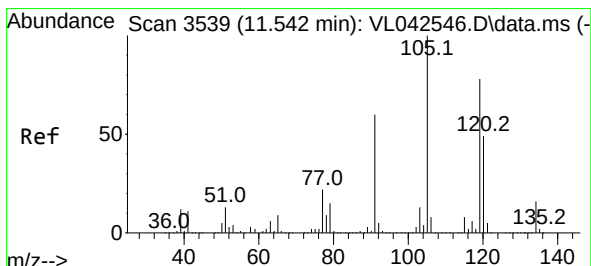
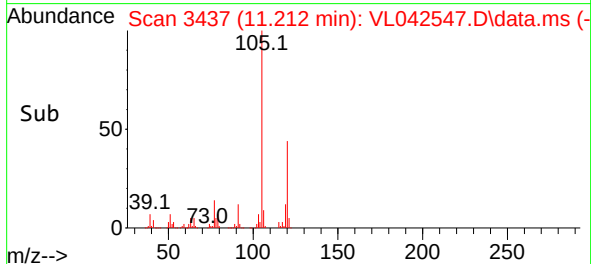
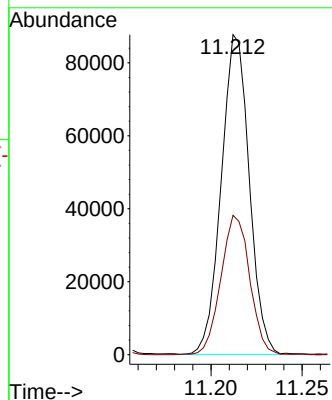
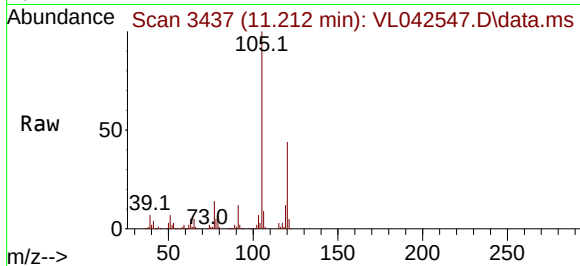




#73
1,3,5-Trimethylbenzene
Concen: 2.143 ppbv
RT: 11.212 min Scan# 3436
Delta R.T. 0.003 min
Lab File: VL042547.D
Acq: 20 May 2025 09:46

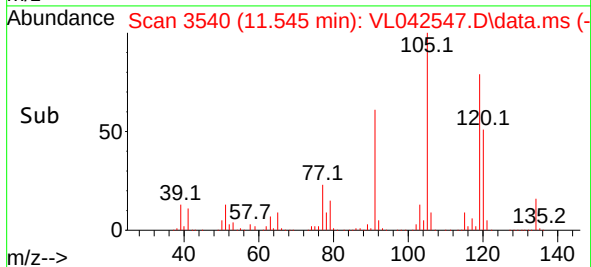
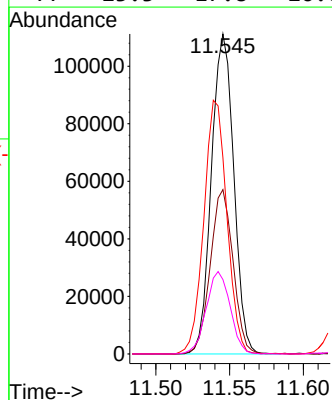
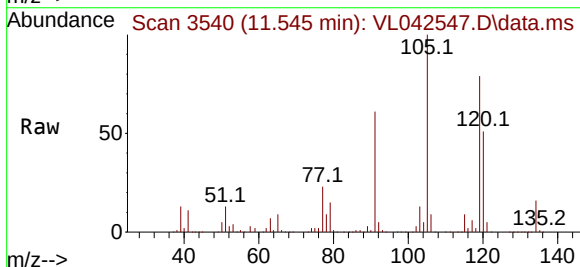
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC002

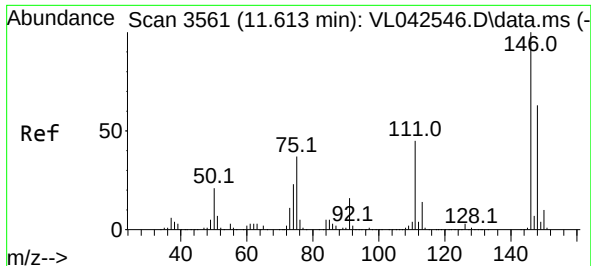
Tgt Ion:105 Resp: 93446
Ion Ratio Lower Upper
105 100
120 43.5 36.5 54.7



#74
1,2,4-Trimethylbenzene
Concen: 2.225 ppbv
RT: 11.545 min Scan# 3540
Delta R.T. 0.003 min
Lab File: VL042547.D
Acq: 20 May 2025 09:46

Tgt Ion:105 Resp: 116976
Ion Ratio Lower Upper
105 100
120 51.3 39.4 59.0
91 61.2 47.8 71.8
77 23.3 17.8 26.6

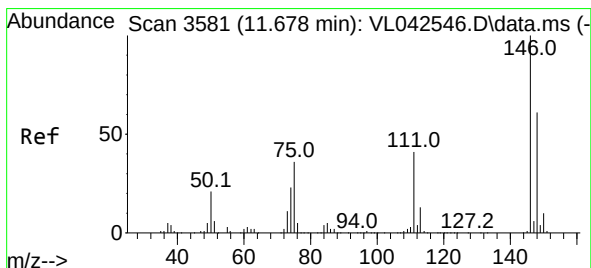
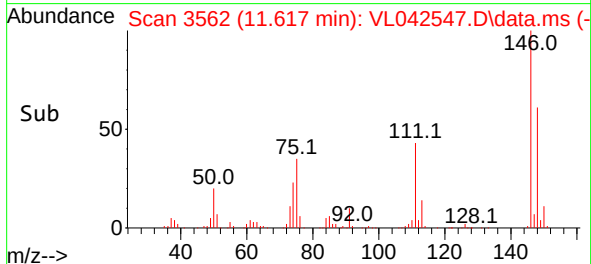
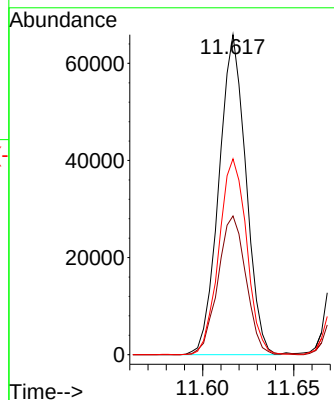
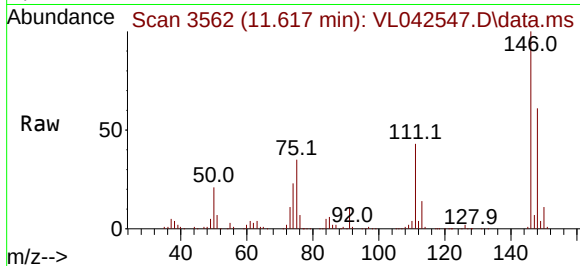




#75
1,3-Dichlorobenzene
Concen: 2.092 ppbv
RT: 11.617 min Scan# 3562
Delta R.T. 0.003 min
Lab File: VL042547.D
Acq: 20 May 2025 09:46

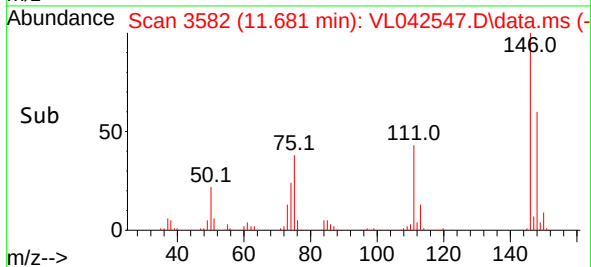
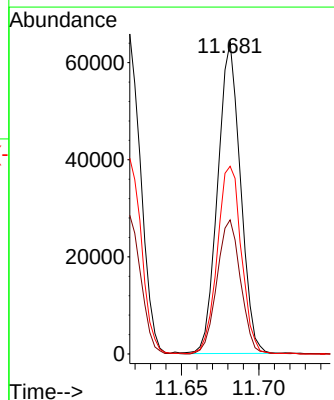
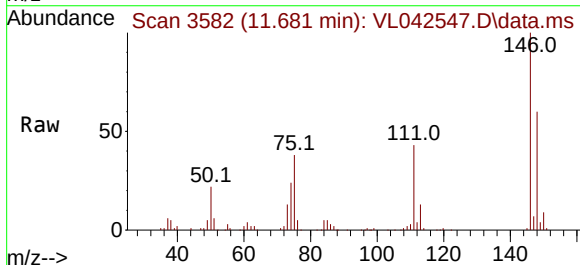
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC002

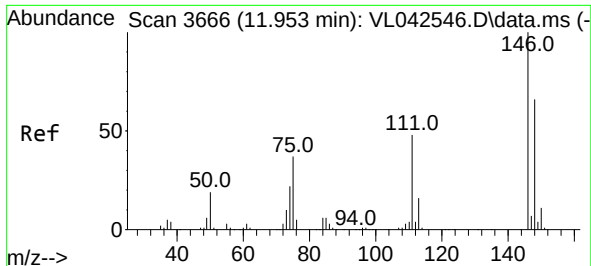
Tgt Ion:146 Resp: 67880
Ion Ratio Lower Upper
146 100
111 45.0 22.8 68.4
148 63.1 31.6 94.8



#76
1,4-Dichlorobenzene
Concen: 2.079 ppbv
RT: 11.681 min Scan# 3582
Delta R.T. 0.003 min
Lab File: VL042547.D
Acq: 20 May 2025 09:46

Tgt Ion:146 Resp: 65510
Ion Ratio Lower Upper
146 100
111 44.9 21.8 65.3
148 64.1 31.4 94.3

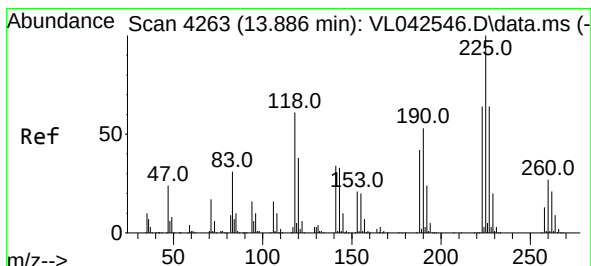
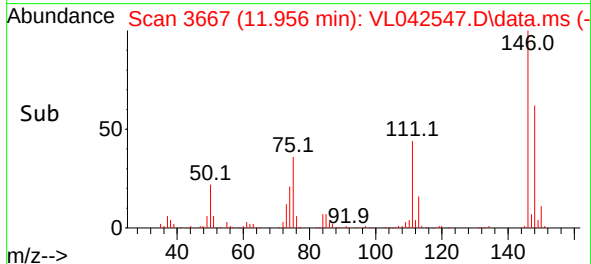
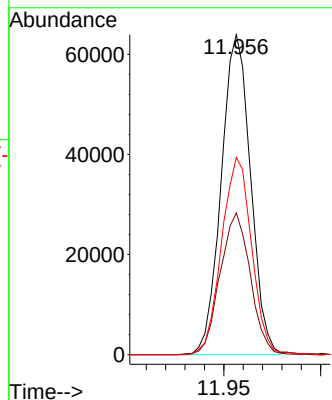
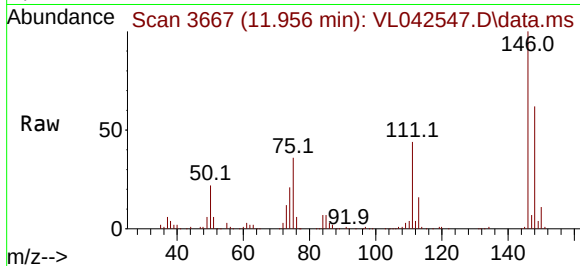




#77
1,2-Dichlorobenzene
Concen: 2.103 ppbv
RT: 11.956 min Scan# 3667
Delta R.T. 0.003 min
Lab File: VL042547.D
Acq: 20 May 2025 09:46

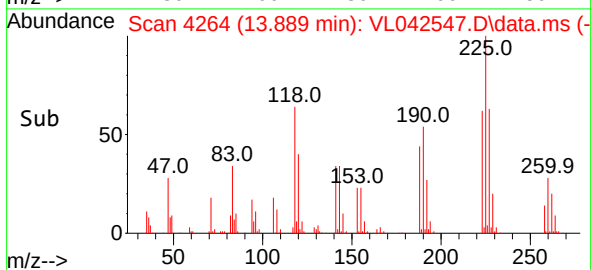
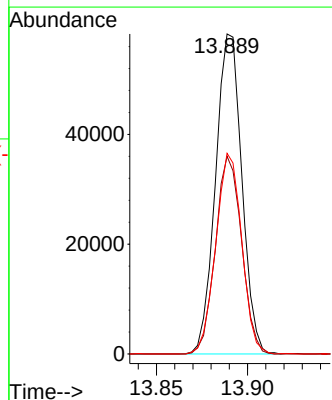
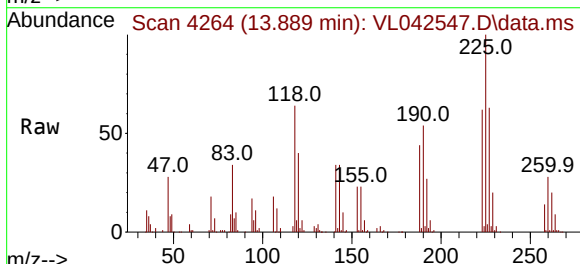
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

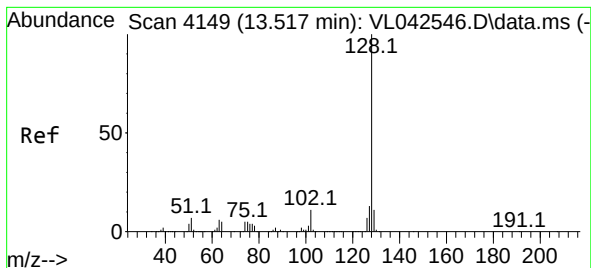
Tgt Ion:146 Resp: 67229
Ion Ratio Lower Upper
146 100
111 45.8 23.7 71.1
148 63.3 32.3 96.9



#78
Hexachloro-1,3-Butadiene
Concen: 2.215 ppbv
RT: 13.889 min Scan# 4264
Delta R.T. 0.003 min
Lab File: VL042547.D
Acq: 20 May 2025 09:46

Tgt Ion:225 Resp: 58483
Ion Ratio Lower Upper
225 100
223 61.3 51.0 76.6
227 61.8 50.2 75.4





#79

Naphthalene

Concen: 2.603 ppbv

RT: 13.523 min Scan# 41

Delta R.T. 0.006 min

Lab File: VL042547.D

Acq: 20 May 2025 09:46

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC002

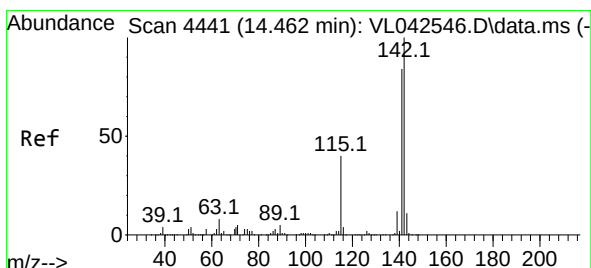
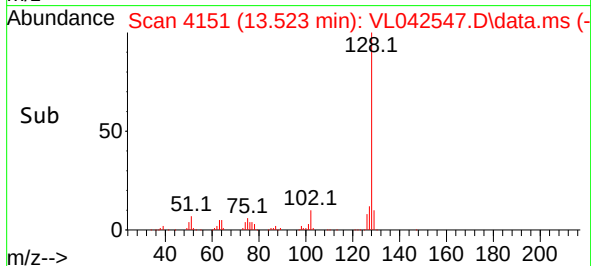
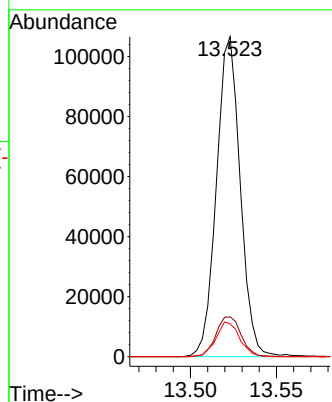
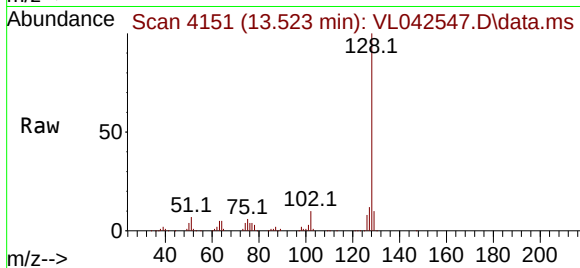
Tgt Ion:128 Resp: 102435

Ion Ratio Lower Upper

128 100

127 12.5 10.5 15.7

129 10.2 9.0 13.4



#80

Naphthalene,2-methyl-

Concen: 2.263 ppbv

RT: 14.468 min Scan# 4443

Delta R.T. 0.006 min

Lab File: VL042547.D

Acq: 20 May 2025 09:46

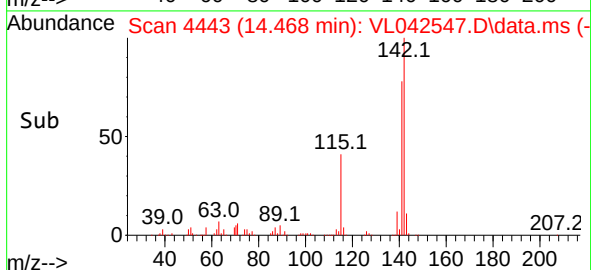
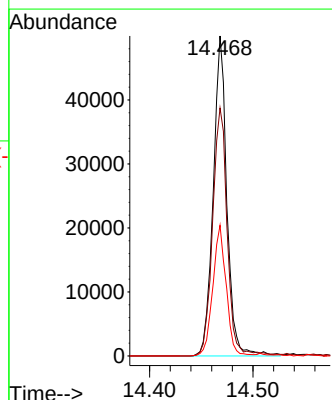
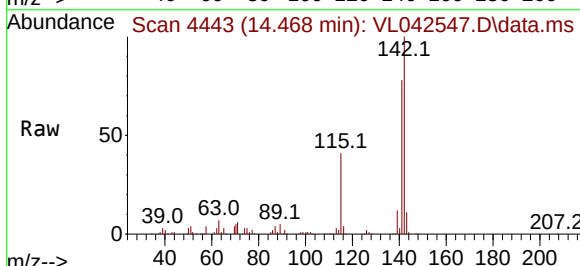
Tgt Ion:142 Resp: 45912

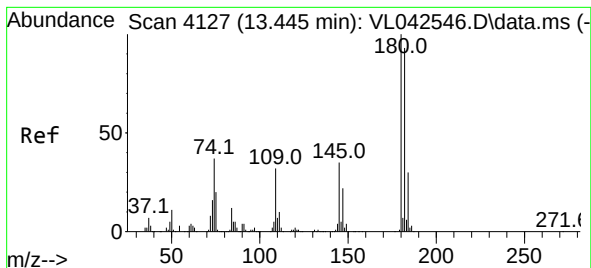
Ion Ratio Lower Upper

142 100

141 83.7 67.4 101.0

115 40.8 31.5 47.3





#81

1,2,4-Trichlorobenzene

Concen: 2.306 ppbv

RT: 13.449 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL042547.D

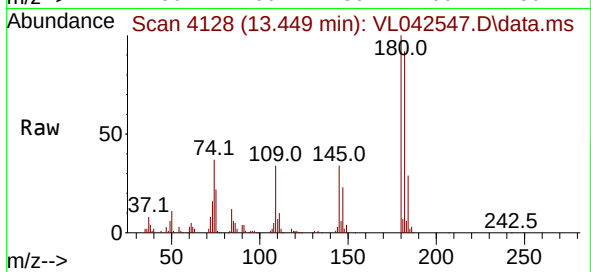
Acq: 20 May 2025 09:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002



Tgt Ion:180 Resp: 54581

Ion Ratio Lower Upper

180 100

182 96.0 75.6 113.4

184 30.2 23.7 35.5

