

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
 Data File : VL042847.D
 Acq On : 13 Aug 2025 11:30
 Operator : SY/MD
 Sample : VSTDICC0.03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.03

Quant Time: Aug 14 01:50:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Aug 14 01:44:36 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.793	49	122705	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.968	114	390076	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.894	117	339700	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.386	95	250082	9.816	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.200%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.557	85	549	0.031	ppbv	92
3) Chlorodifluoromethane	1.479	51	868	0.044	ppbv #	83
4) Chloromethane	1.537	50	498	0.069	ppbv #	70
5) Vinyl Chloride	1.583	62	268	0.037	ppbv #	81
6) Bromomethane	1.667	94	184	0.064	ppbv #	52
7) Chloroethane	1.706	64	240	0.086	ppbv #	1
8) Dichlorotetrafluoroethane	1.557	85	549	0.037	ppbv	85
9) Propene	1.602	41	687	0.080	ppbv	93
10) Heptane	4.994	43	492	0.021	ppbv #	1
11) Trichlorofluoromethane	1.884	101	420	0.024	ppbv	95
12) 1,1,2-Trichlorotrifluo...	2.143	101	592	0.042	ppbv #	78
13) Ethanol	1.722	45	370	0.435	ppbv #	32
14) Bromoethene	1.787	108	243	0.047	ppbv #	66
15) Acetone	1.845	43	1759	0.108	ppbv #	44
16) 1,3-Butadiene	1.612	39	303	0.041	ppbv #	1
17) tert-Butyl alcohol	2.039	59	167	0.009	ppbv #	71
18) 1,1-Dichloroethene	2.042	96	464	0.075	ppbv #	27
19) Isopropyl Alcohol	1.893	45	945	0.097	ppbv #	65
20) Methylene Chloride	2.068	84	2076	0.305	ppbv #	73
21) Allyl Chloride	2.104	41	953	0.083	ppbv #	50
22) trans-1,2-Dichloroethene	2.350	96	317	0.046	ppbv #	21
23) Vinyl Acetate	2.470	43	629	0.029	ppbv #	36
24) 1,1-Dichloroethane	2.411	63	388	0.027	ppbv #	71
25) Ethyl Acetate	2.839	43	126	0.003	ppbv #	1
26) Hexane	2.826	57	483	0.027	ppbv #	1
27) Carbon Disulfide	2.159	76	509	0.029	ppbv #	1
28) Methyl tert-Butyl Ether	2.450	73	517	0.056	ppbv #	1
29) Chloroform	2.855	83	902	0.035	ppbv	100
30) Cyclohexane	3.861	84	352	0.022	ppbv #	1
31) cis-1,2-Dichloroethene	2.729	61	497	0.027	ppbv #	73
32) 1,1,1-Trichloroethane	3.379	97	493	0.018	ppbv #	31
34) 2-Butanone	2.567	43	422	0.016	ppbv #	52
35) Carbon Tetrachloride	3.774	117	756	0.028	ppbv #	68
36) Benzene	3.670	78	1185	0.032	ppbv #	90
37) 1,2-Dichloroethane	3.227	62	792	0.041	ppbv #	94
38) Trichloroethene	4.560	130	363	0.021	ppbv #	45
39) 1,2-Dichloropropane	3.968	63	93873	6.881	ppbv #	27
40) 1,4-Dioxane	4.641	88	105	0.016	ppbv #	1
41) Tetrahydrofuran	3.059	42	127	0.009	ppbv #	36
42) Bromodichloromethane	4.499	83	271	0.009	ppbv #	91
43) Methyl Methacrylate	4.900	69	270	0.018	ppbv #	1
44) 2,2,4-Trimethylpentane	4.651	57	726	0.012	ppbv #	43
45) t-1,3-Dichloropropene	6.428	75	162	0.009	ppbv #	1

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

Instrument :
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 ClientSampleId :
 VSTDICC0.03

Quant Time: Aug 14 01:50:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Aug 14 01:44:36 2025
 Response via : Initial Calibration

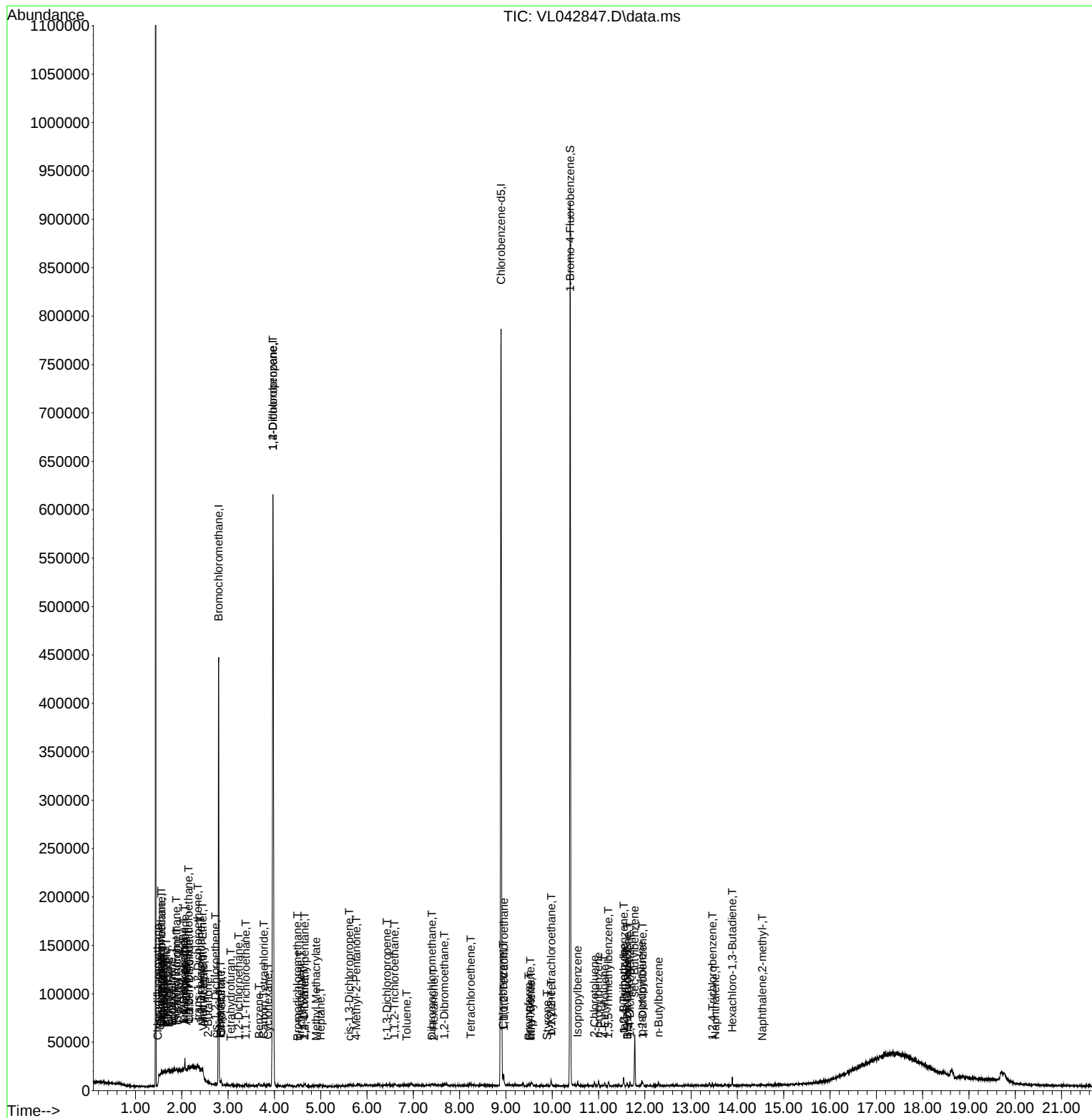
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.612	75	343	0.016	ppbv #	65
47) 1,1,2-Trichloroethane	6.593	97	30	0.002	ppbv #	27
48) Dibromochloromethane	7.399	129	593	0.025	ppbv	71
49) Bromoform	9.493	173	431	0.022	ppbv	93
50) 4-Methyl-2-Pentanone	5.768	43	54	0.002	ppbv #	38
51) 2-Hexanone	7.444	43	92	0.003	ppbv #	27
52) Tetrachloroethene	8.241	164	262	0.019	ppbv #	67
53) Toluene	6.855	91	39	0.001	ppbv	99
54) 1,2-Dibromoethane	7.668	107	313	0.015	ppbv #	56
56) 1,1,1,2-Tetrachloroethane	8.953	131	49	0.003	ppbv #	8
57) Chlorobenzene	8.943	112	561	0.017	ppbv #	70
58) Ethyl Benzene	9.529	91	267	0.004	ppbv	96
59) m/p-Xylene	9.542	91	1589	0.034	ppbv #	100
60) o-Xylene	9.975	91	1722	0.036	ppbv	90
61) Styrene	9.888	104	354	0.016	ppbv #	28
62) Isopropylbenzene	10.548	105	1945	0.028	ppbv #	87
63) 1,1,2,2-Tetrachloroethane	9.979	83	451	0.017	ppbv #	1
64) n-propylbenzene	10.998	120	470	0.027	ppbv #	63
65) tert-Butylbenzene	11.539	119	2234	0.037	ppbv #	98
66) Benzyl Chloride	11.626	91	27	0.003	ppbv #	65
67) sec-Butylbenzene	11.778	105	2703	0.032	ppbv #	64
69) p-Isopropyltoluene	11.934	119	2136	0.029	ppbv #	88
70) n-Butylbenzene	12.296	91	829	0.011	ppbv #	4
71) 2-Chlorotoluene	10.911	91	1870	0.035	ppbv	97
72) 4-Ethyltoluene	11.134	105	1543	0.027	ppbv #	81
73) 1,3,5-Trimethylbenzene	11.212	105	1716	0.035	ppbv	96
74) 1,2,4-Trimethylbenzene	11.545	105	1610	0.030	ppbv #	76
75) 1,3-Dichlorobenzene	11.623	146	182	0.006	ppbv #	23
76) 1,4-Dichlorobenzene	11.681	146	596	0.019	ppbv	70
77) 1,2-Dichlorobenzene	11.953	146	701	0.024	ppbv	87
78) Hexachloro-1,3-Butadiene	13.888	225	744	0.030	ppbv #	84
79) Naphthalene	13.523	128	998	0.021	ppbv #	87
80) Naphthalene,2-methyl-	14.536	142	73	0.004	ppbv #	78
81) 1,2,4-Trichlorobenzene	13.461	180	114	0.005	ppbv #	1

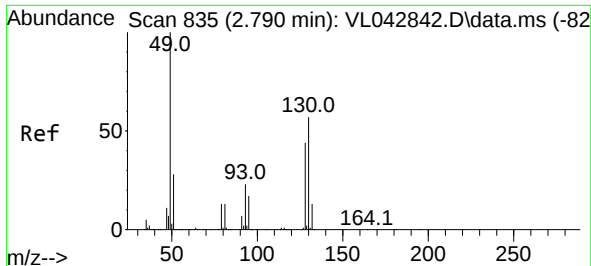
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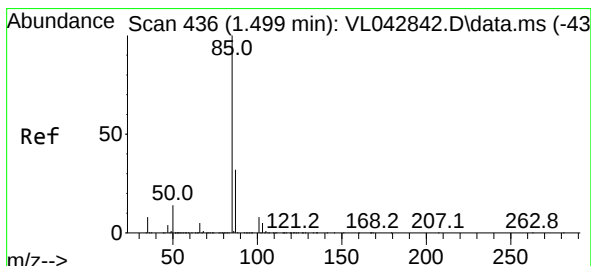
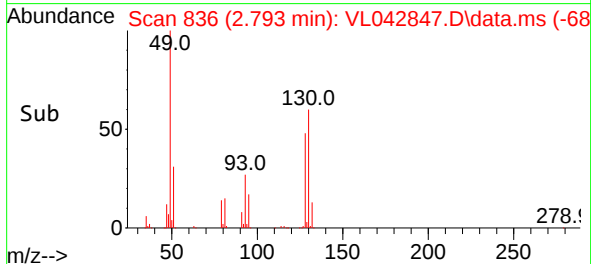
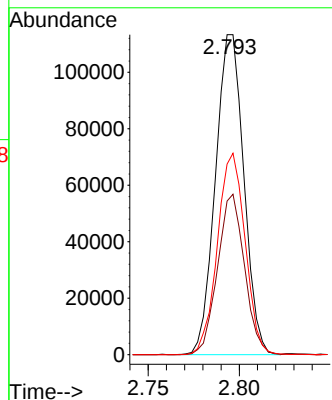
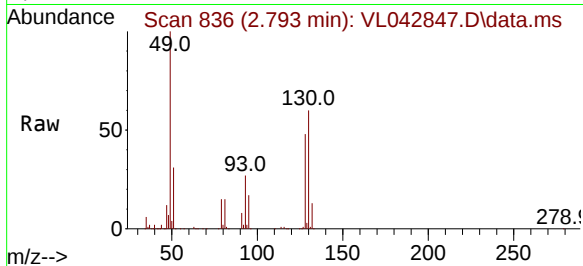




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.793 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

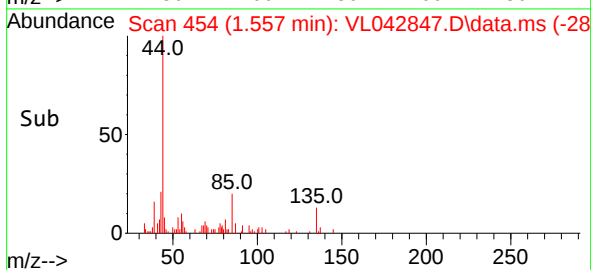
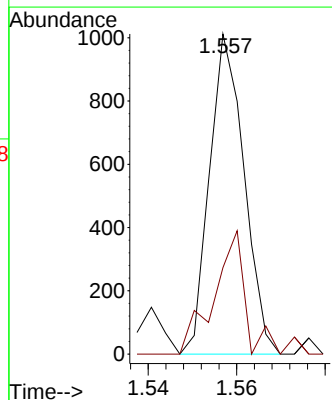
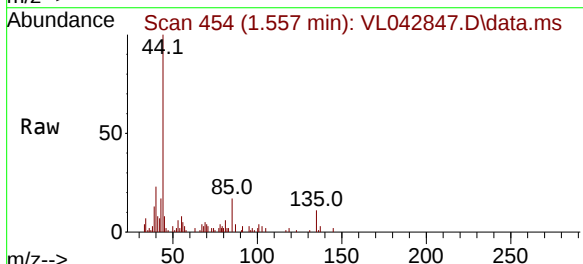
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MSVOA_L
ClientSampleId :
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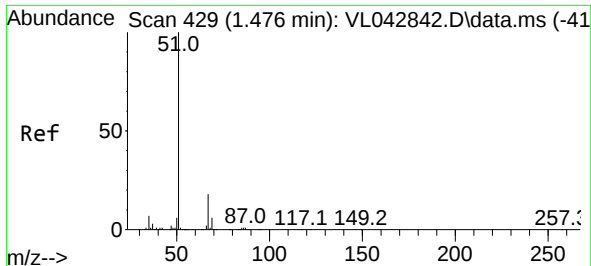
Tgt Ion: 49 Resp: 122705
Ion Ratio Lower Upper
49 100
128 47.7 23.7 71.1
130 61.6 30.6 91.6



#2
Dichlorodifluoromethane
Concen: 0.031 ppbv
RT: 1.557 min Scan# 454
Delta R.T. 0.058 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

Tgt Ion: 85 Resp: 549
Ion Ratio Lower Upper
85 100
87 27.0 25.3 37.9

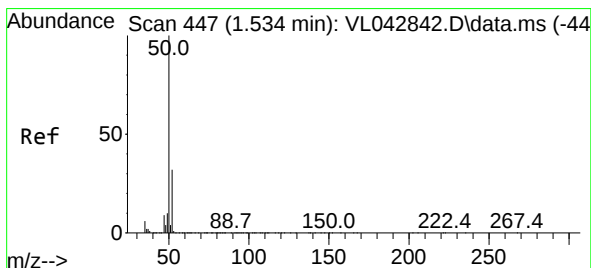
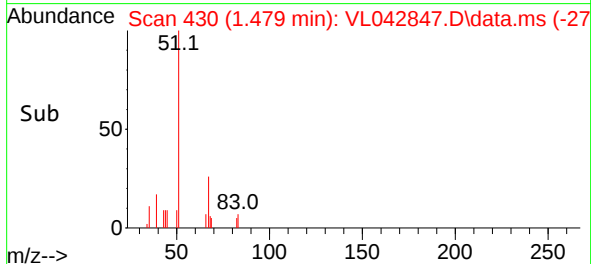
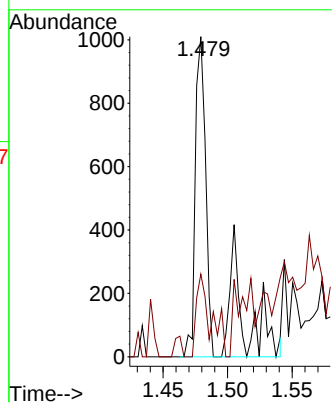
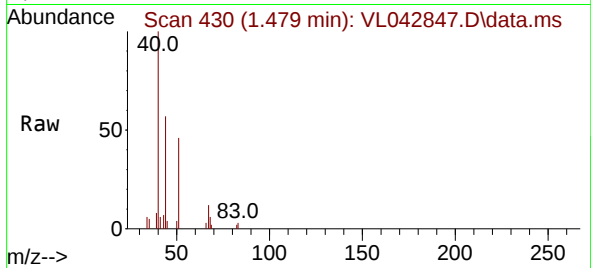




#3
Chlorodifluoromethane
Concen: 0.044 ppbv
RT: 1.479 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

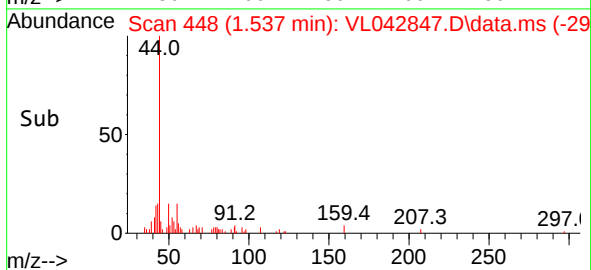
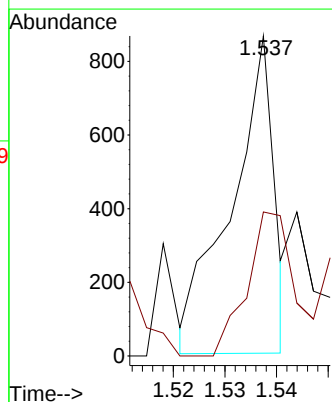
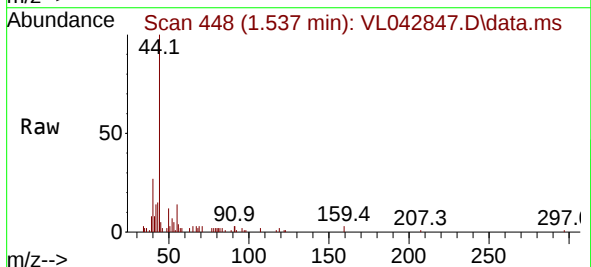
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

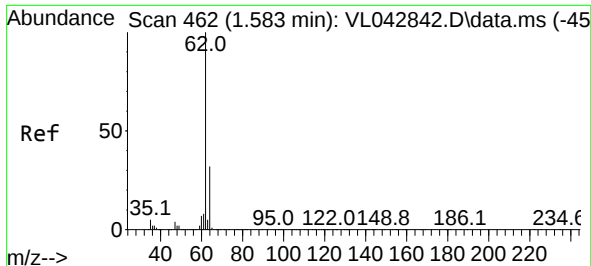
Tgt Ion: 51 Resp: 868
Ion Ratio Lower Upper
51 100
67 26.4 14.9 22.3#



#4
Chloromethane
Concen: 0.069 ppbv
RT: 1.537 min Scan# 448
Delta R.T. 0.003 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

Tgt Ion: 50 Resp: 498
Ion Ratio Lower Upper
50 100
52 49.3 25.9 38.9#

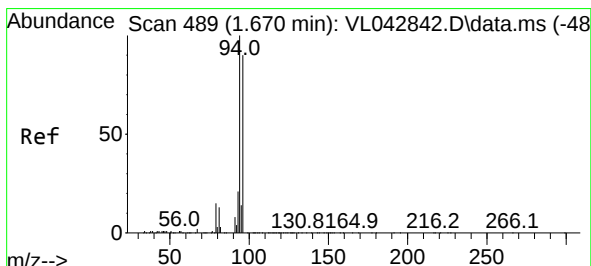
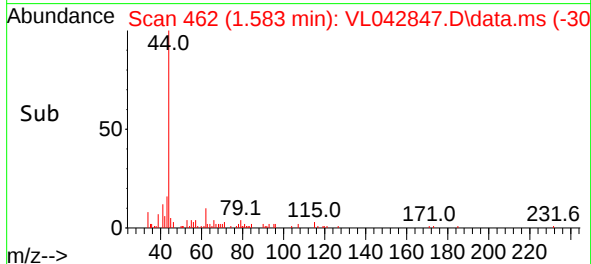
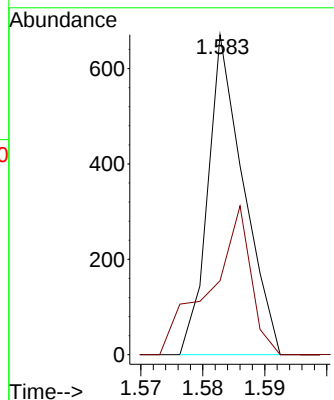
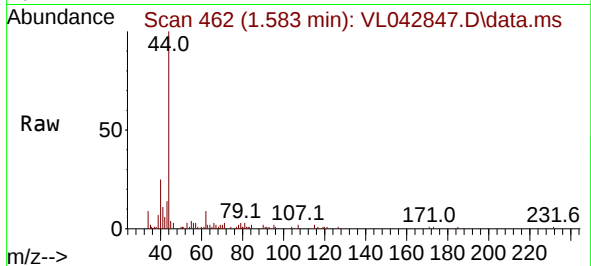




#5
 Vinyl Chloride
 Concen: 0.037 ppbv
 RT: 1.583 min Scan# 462
 Delta R.T. -0.000 min
 Lab File: VL042847.D
 Acq: 13 Aug 2025 11:30

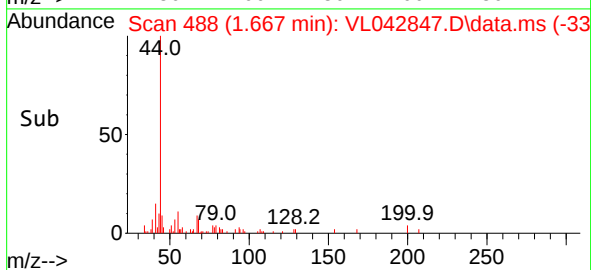
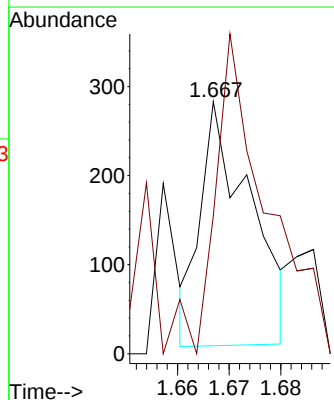
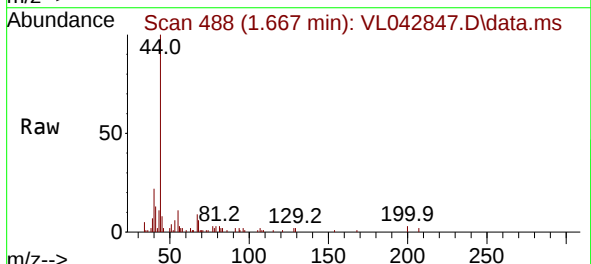
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.03

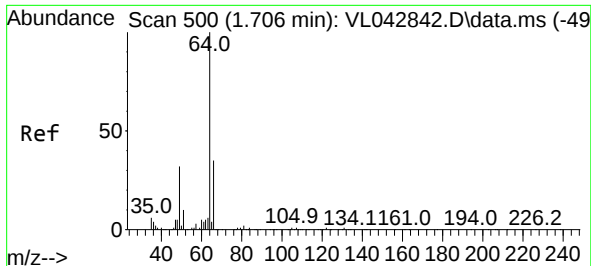
Tgt Ion: 62 Resp: 268
 Ion Ratio Lower Upper
 62 100
 64 21.2 25.4 38.2#



#6
 Bromomethane
 Concen: 0.064 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. -0.003 min
 Lab File: VL042847.D
 Acq: 13 Aug 2025 11:30

Tgt Ion: 94 Resp: 184
 Ion Ratio Lower Upper
 94 100
 96 45.2 72.1 108.1#

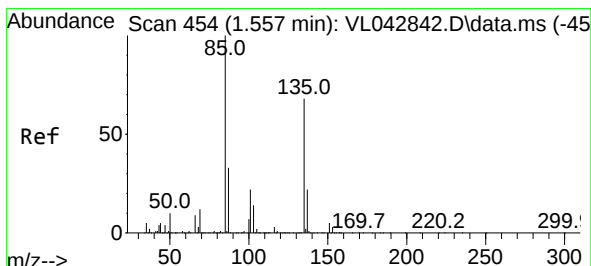
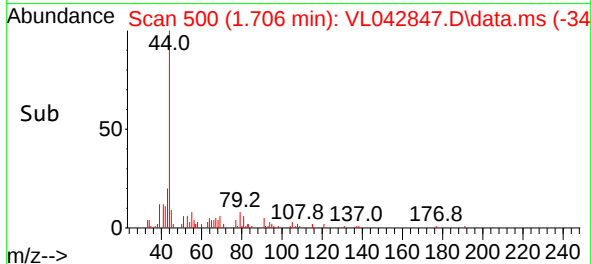
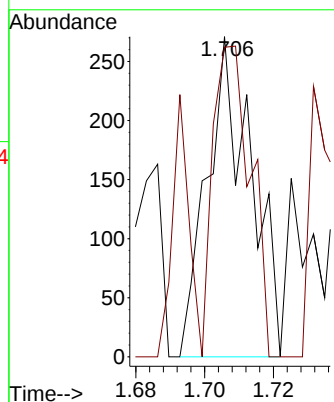
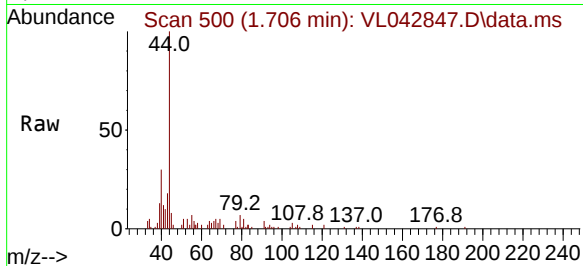




#7
Chloroethane
Concen: 0.086 ppbv
RT: 1.706 min Scan# 500
Delta R.T. -0.000 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

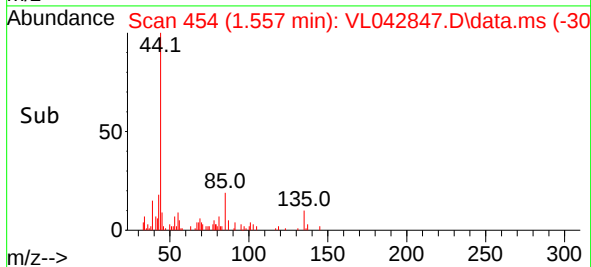
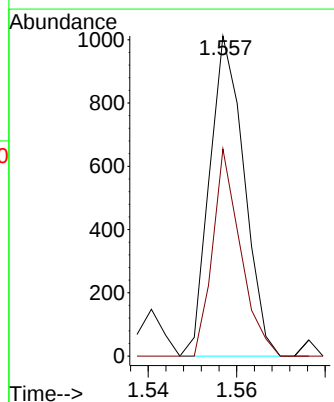
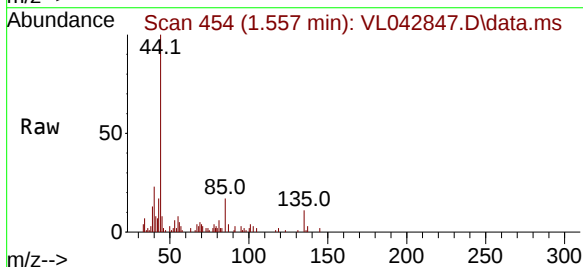
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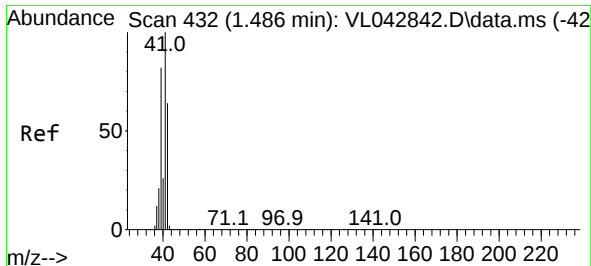
Tgt Ion: 64 Resp: 240
Ion Ratio Lower Upper
64 100
66 96.7 28.6 42.8#



#8
Dichlorotetrafluoroethane
Concen: 0.037 ppbv
RT: 1.557 min Scan# 454
Delta R.T. -0.000 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

Tgt Ion: 85 Resp: 549
Ion Ratio Lower Upper
85 100
135 52.3 51.2 76.8





#9

Propene

Concen: 0.080 ppbv

RT: 1.602 min Scan# 41

Delta R.T. 0.116 min

Lab File: VL042847.D

Acq: 13 Aug 2025 11:30

Instrument :

MSVOA_L

ClientSampleId :

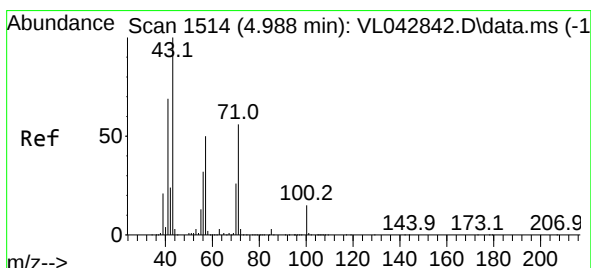
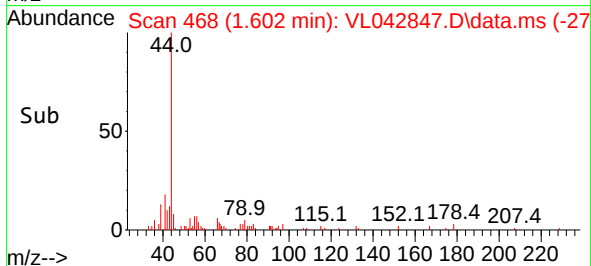
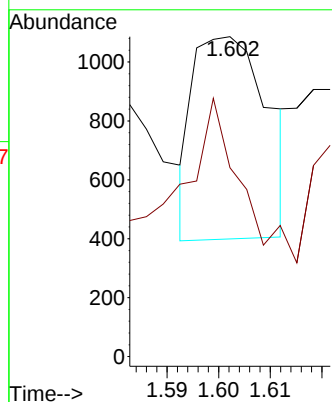
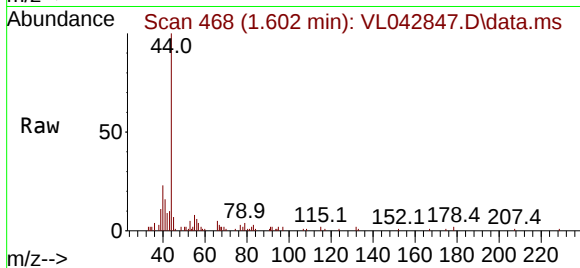
VSTDICC0.03

Tgt Ion: 41 Resp: 687

Ion Ratio Lower Upper

41 100

42 72.1 53.0 79.4



#10

Heptane

Concen: 0.021 ppbv

RT: 4.994 min Scan# 1516

Delta R.T. 0.006 min

Lab File: VL042847.D

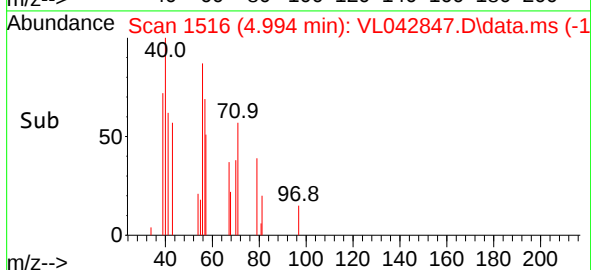
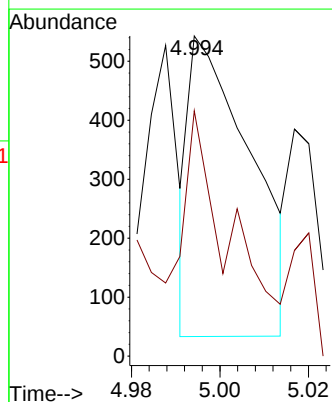
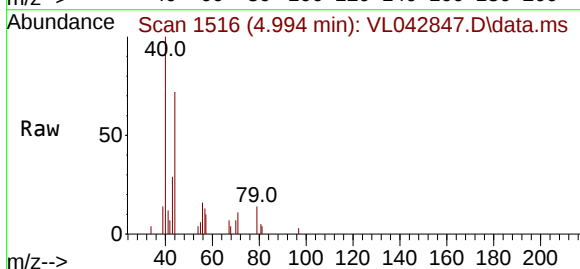
Acq: 13 Aug 2025 11:30

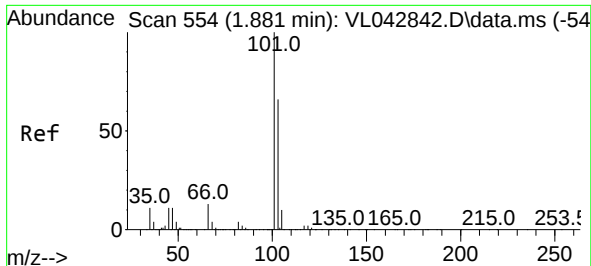
Tgt Ion: 43 Resp: 492

Ion Ratio Lower Upper

43 100

57 137.2 41.4 62.0#

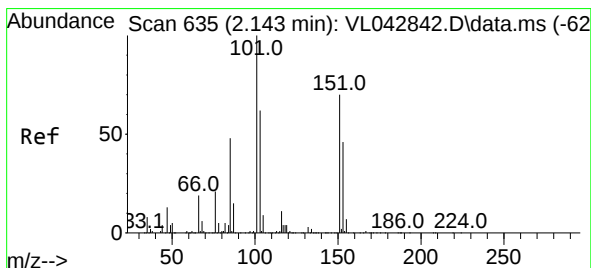
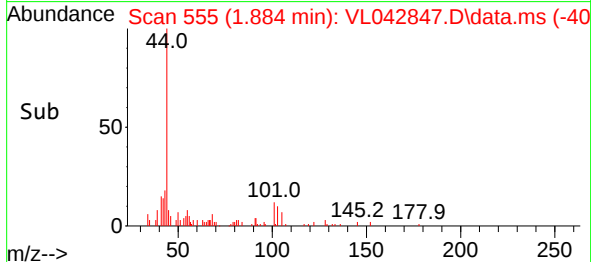
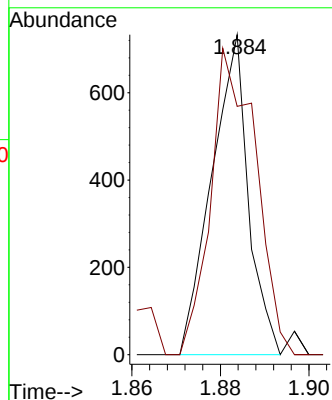
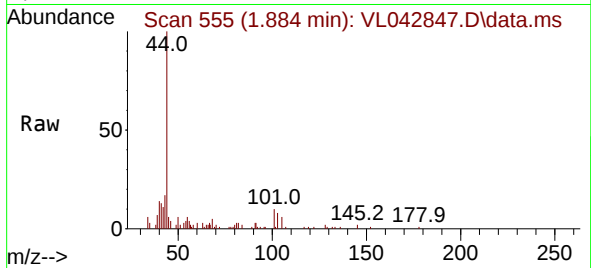




#11
 Trichlorofluoromethane
 Concen: 0.024 ppbv
 RT: 1.884 min Scan# 511
 Delta R.T. 0.003 min
 Lab File: VL042847.D
 Acq: 13 Aug 2025 11:30

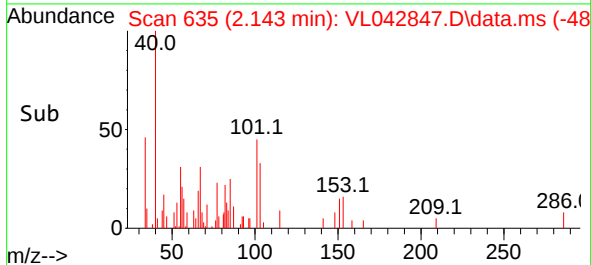
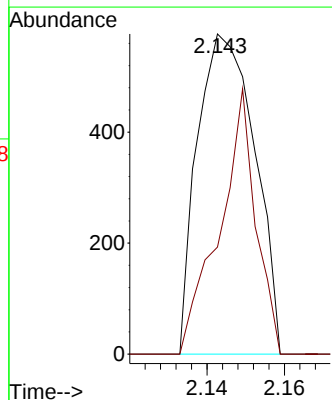
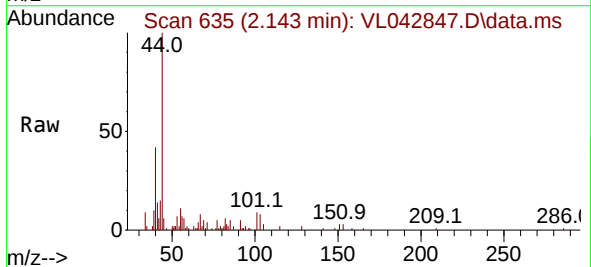
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

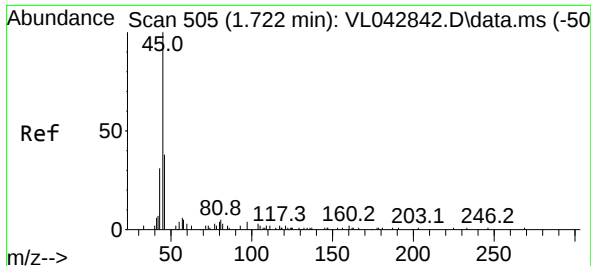
Tgt Ion:101 Resp: 420
 Ion Ratio Lower Upper
 101 100
 103 69.7 52.5 78.7



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.042 ppbv
 RT: 2.143 min Scan# 635
 Delta R.T. -0.000 min
 Lab File: VL042847.D
 Acq: 13 Aug 2025 11:30

Tgt Ion:101 Resp: 592
 Ion Ratio Lower Upper
 101 100
 151 52.5 56.4 84.6#

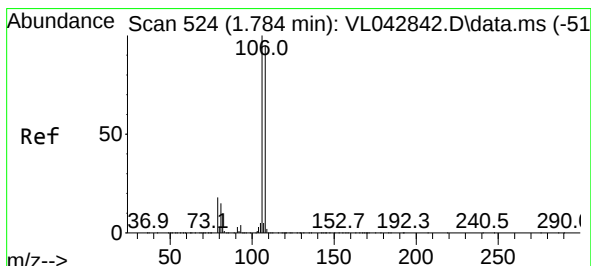
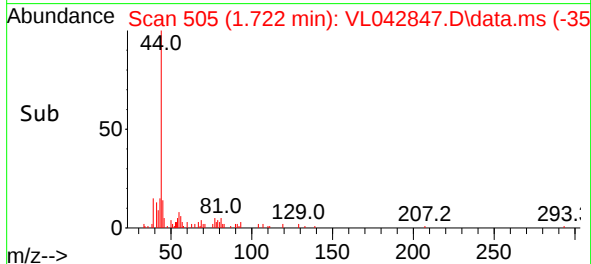
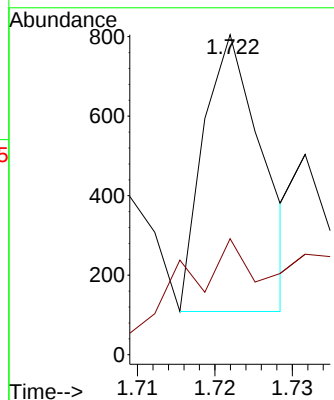
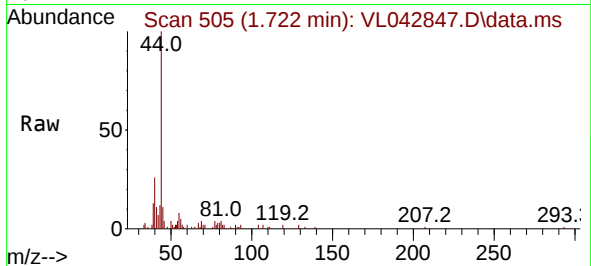




#13
 Ethanol
 Concen: 0.435 ppbv
 RT: 1.722 min Scan# 505
 Delta R.T. -0.000 min
 Lab File: VL042847.D
 Acq: 13 Aug 2025 11:30

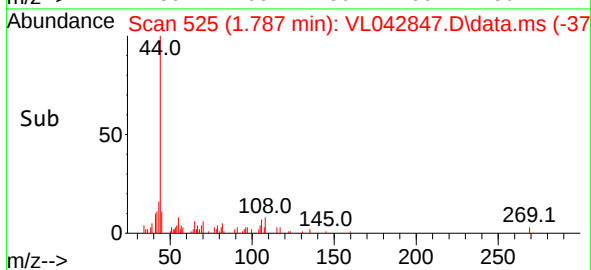
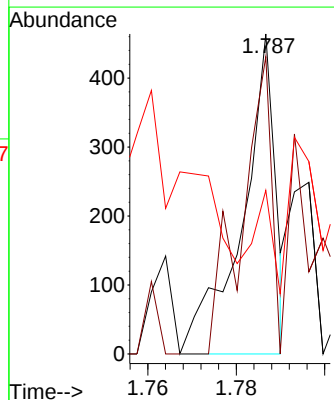
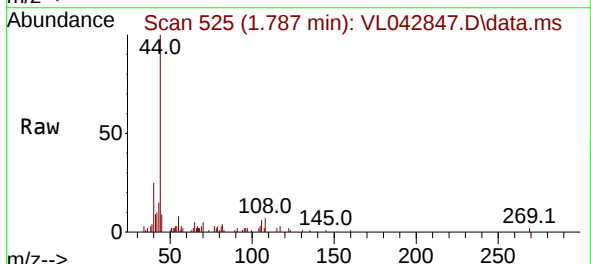
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

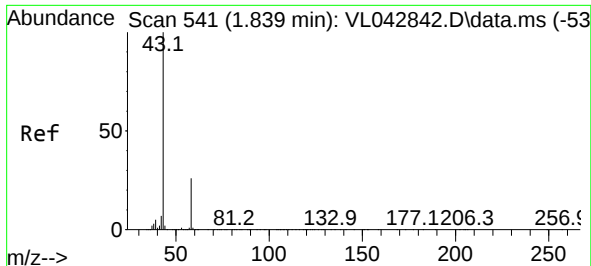
Tgt Ion: 45 Resp: 370
 Ion Ratio Lower Upper
 45 100
 46 0.0 17.5 69.9#



#14
 Bromoethene
 Concen: 0.047 ppbv
 RT: 1.787 min Scan# 525
 Delta R.T. 0.003 min
 Lab File: VL042847.D
 Acq: 13 Aug 2025 11:30

Tgt Ion: 108 Resp: 243
 Ion Ratio Lower Upper
 108 100
 106 139.9 85.1 127.7#
 79 0.0 16.3 24.5#

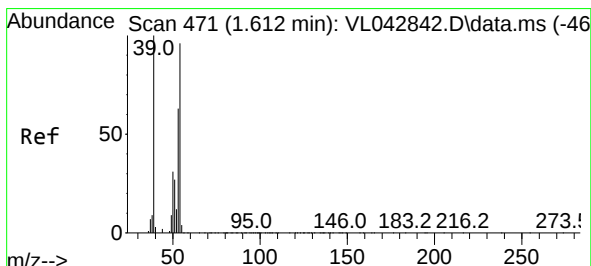
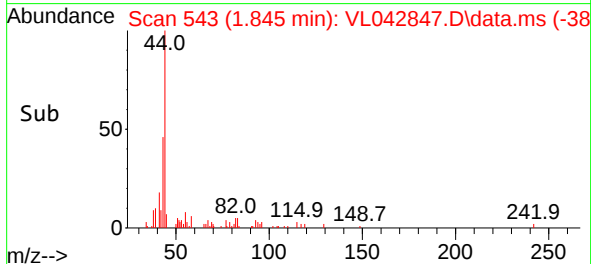
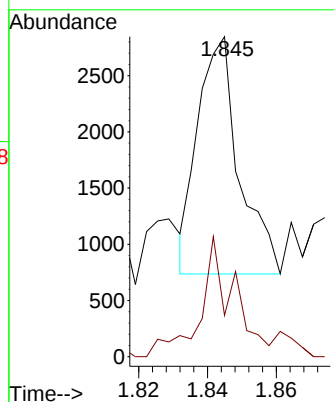
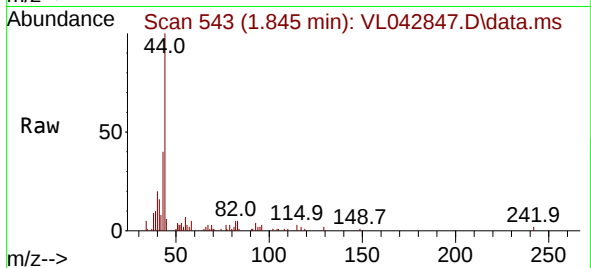




#15
Acetone
Concen: 0.108 ppbv
RT: 1.845 min Scan# 541
Delta R.T. 0.006 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

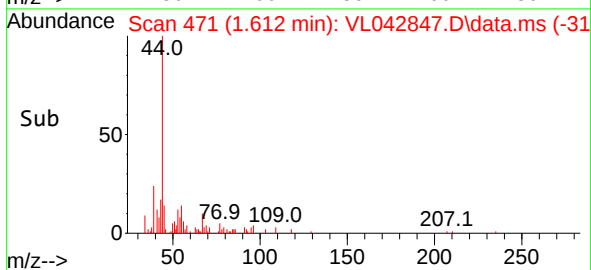
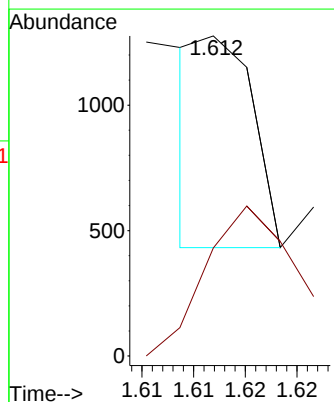
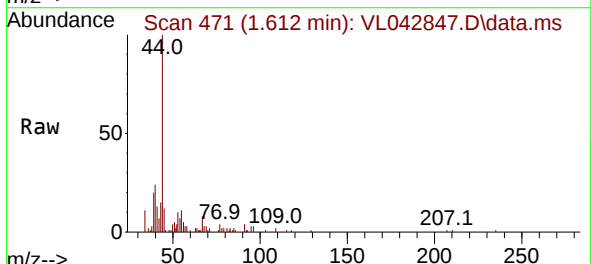
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

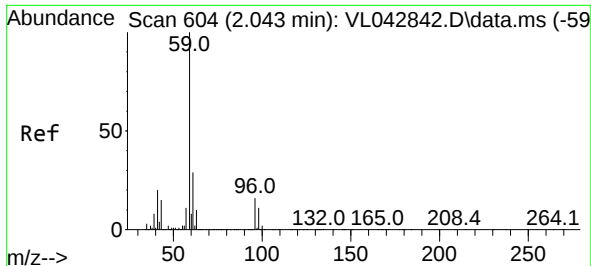
Tgt Ion: 43 Resp: 1759
Ion Ratio Lower Upper
43 100
58 57.4 22.4 33.6#



#16
1,3-Butadiene
Concen: 0.041 ppbv
RT: 1.612 min Scan# 471
Delta R.T. -0.000 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

Tgt Ion: 39 Resp: 303
Ion Ratio Lower Upper
39 100
54 197.7 63.6 95.4#





#17

tert-Butyl alcohol

Concen: 0.009 ppbv

RT: 2.039 min Scan# 603

Delta R.T. -0.003 min

Lab File: VL042847.D

Acq: 13 Aug 2025 11:30

Instrument :

MSVOA_L

ClientSampleId :

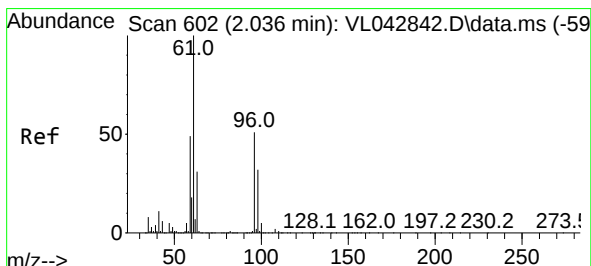
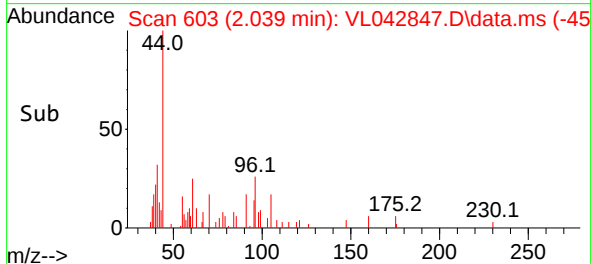
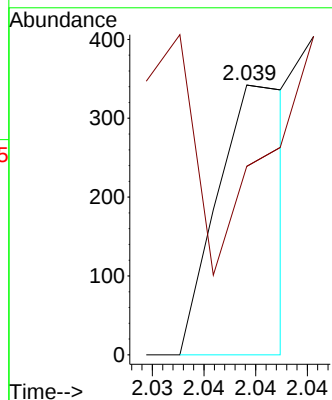
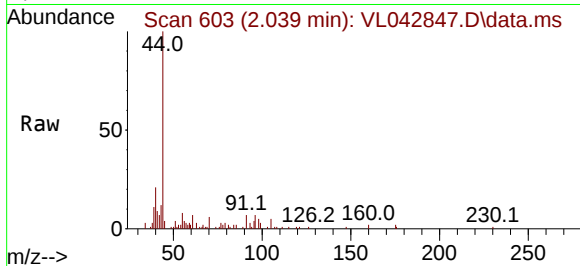
VSTDIC0.03

Tgt Ion: 59 Resp: 167

Ion Ratio Lower Upper

59 100

57 0.0 9.0 13.4#



#18

1,1-Dichloroethene

Concen: 0.075 ppbv

RT: 2.042 min Scan# 604

Delta R.T. 0.006 min

Lab File: VL042847.D

Acq: 13 Aug 2025 11:30

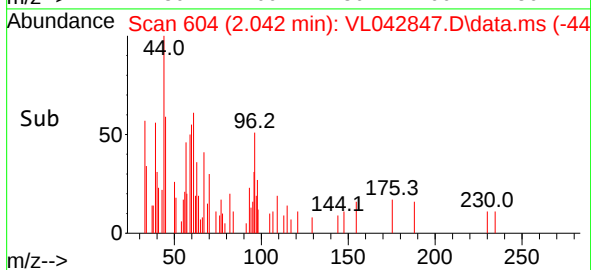
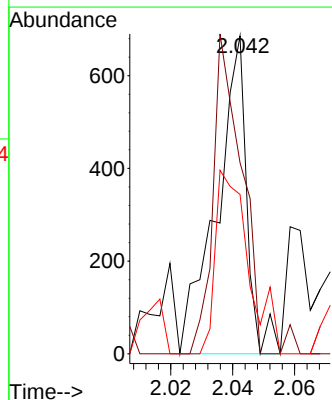
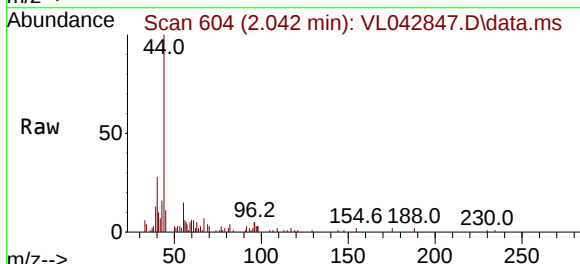
Tgt Ion: 96 Resp: 464

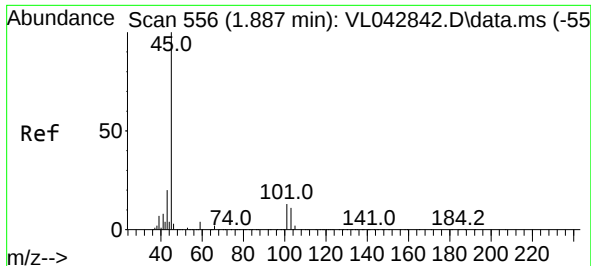
Ion Ratio Lower Upper

96 100

61 60.1 158.2 237.4#

98 50.1 50.6 76.0#

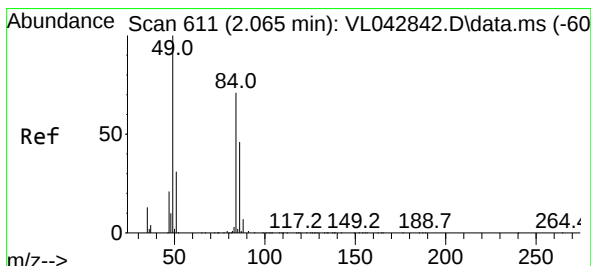
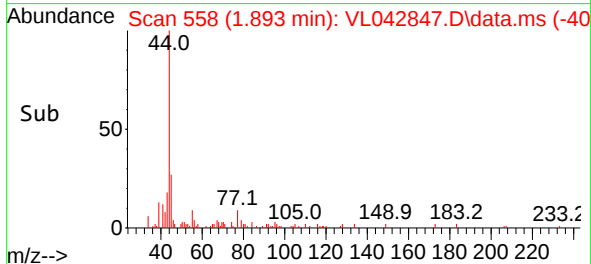
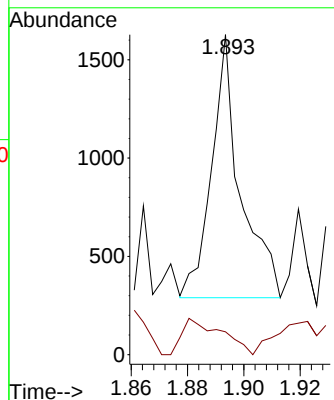
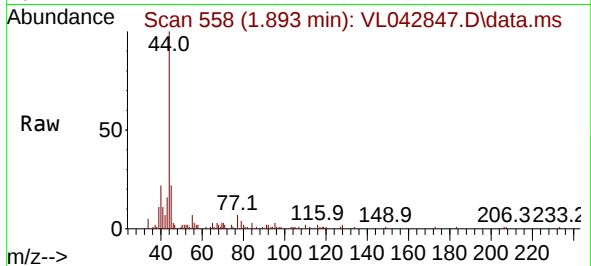




#19
Isopropyl Alcohol
Concen: 0.097 ppbv
RT: 1.893 min Scan# 511
Delta R.T. 0.006 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

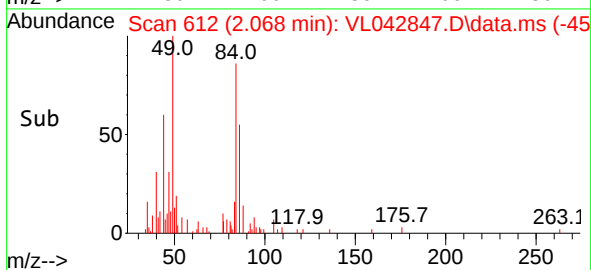
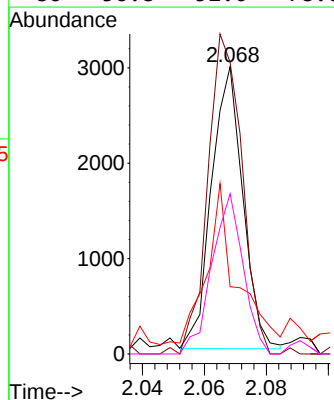
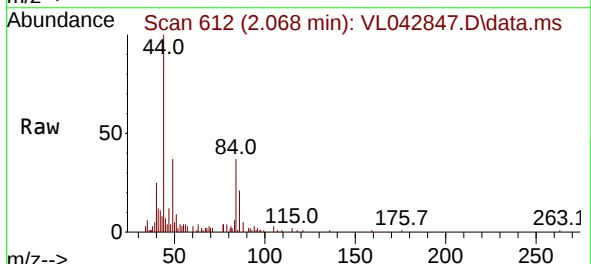
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

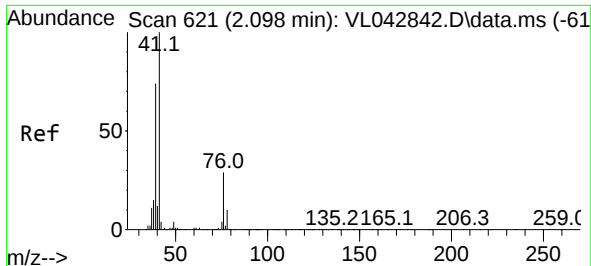
Tgt Ion: 45 Resp: 945
Ion Ratio Lower Upper
45 100
58 18.9 32.7 49.1#



#20
Methylene Chloride
Concen: 0.305 ppbv
RT: 2.068 min Scan# 612
Delta R.T. 0.003 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

Tgt Ion: 84 Resp: 2076
Ion Ratio Lower Upper
84 100
49 103.5 112.3 168.5#
51 20.0 36.0 54.0#
86 56.8 52.0 78.0





#21

Allyl Chloride

Concen: 0.083 ppbv

RT: 2.104 min Scan# 61

Delta R.T. 0.006 min

Lab File: VL042847.D

Acq: 13 Aug 2025 11:30

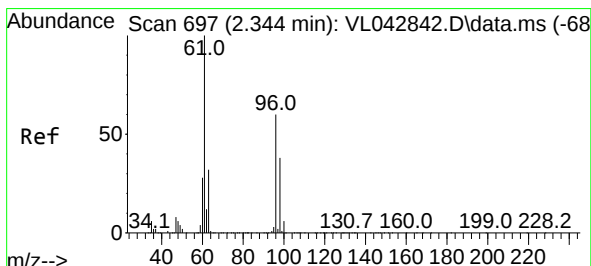
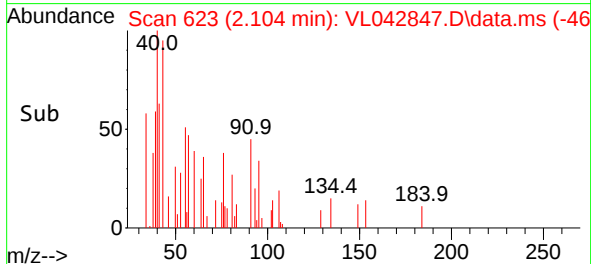
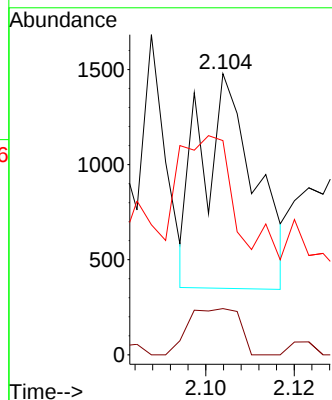
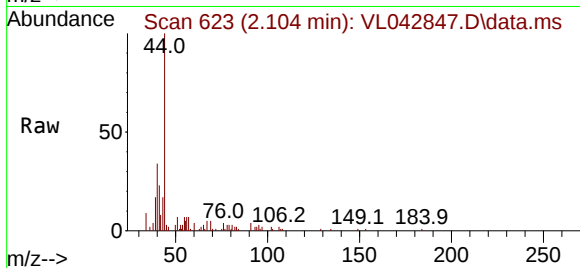
Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.03

Tgt Ion:	41	Resp:	953
Ion	Ratio	Lower	Upper
41	100		
76	26.5	23.9	35.9
39	129.5	57.8	86.6#



#22

trans-1,2-Dichloroethene

Concen: 0.046 ppbv

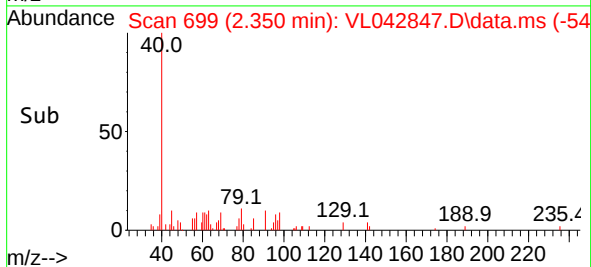
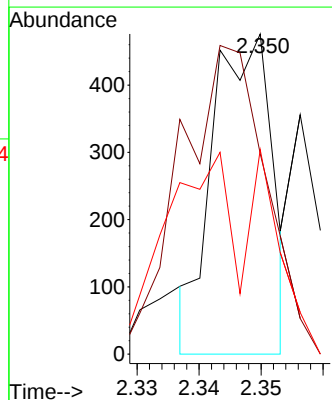
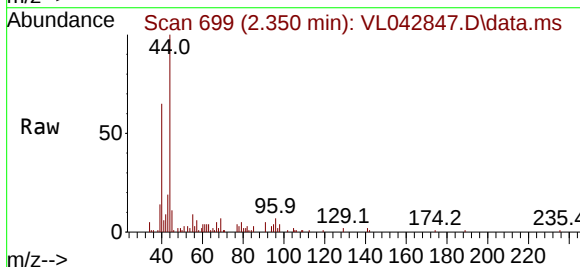
RT: 2.350 min Scan# 699

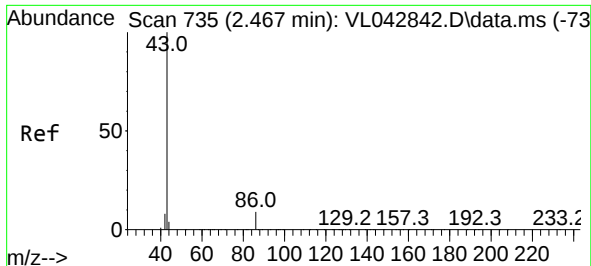
Delta R.T. 0.006 min

Lab File: VL042847.D

Acq: 13 Aug 2025 11:30

Tgt Ion:	96	Resp:	317
Ion	Ratio	Lower	Upper
96	100		
61	32.5	132.6	199.0#
98	40.8	50.0	75.0#

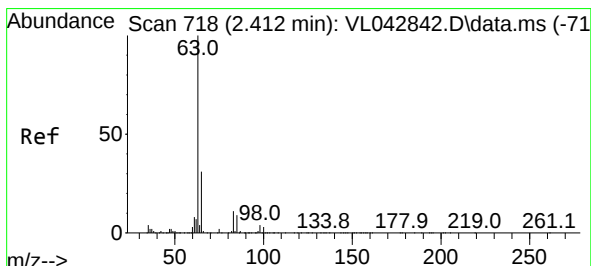
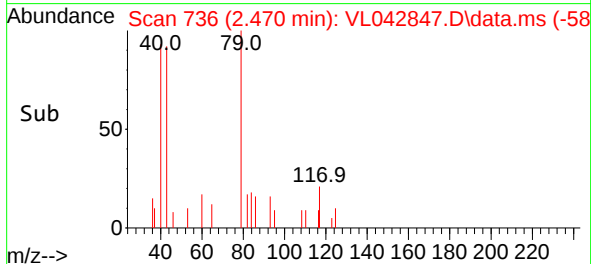
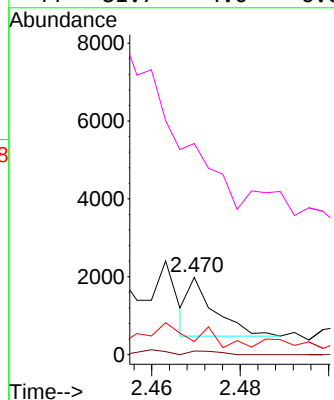
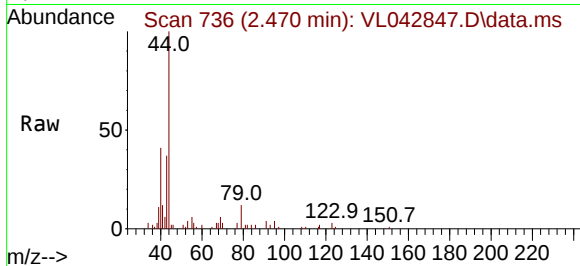




#23
 Vinyl Acetate
 Concen: 0.029 ppbv
 RT: 2.470 min Scan# 718
 Delta R.T. 0.003 min
 Lab File: VL042847.D
 Acq: 13 Aug 2025 11:30

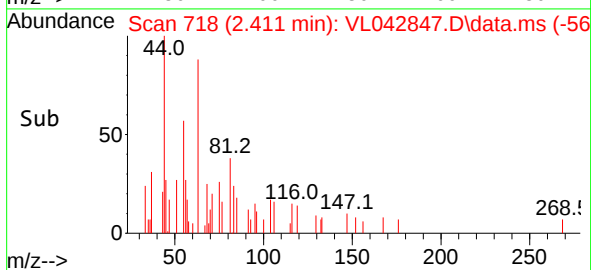
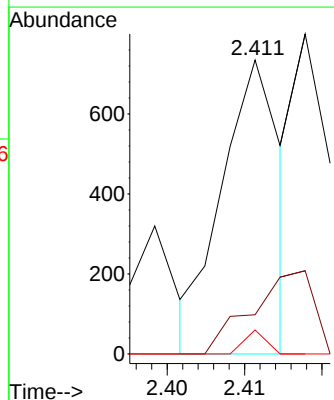
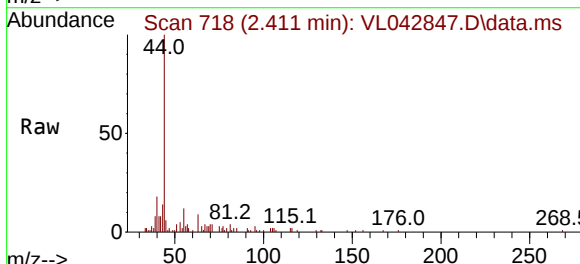
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

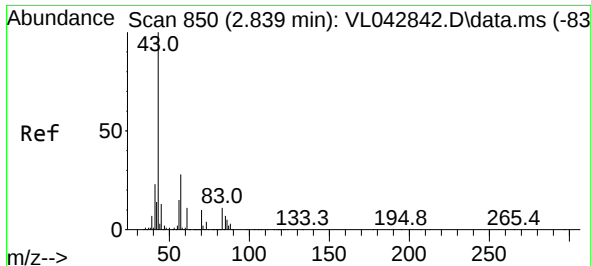
Tgt Ion: 43	Resp: 629
Ion Ratio	Lower Upper
43 100	
86 6.3	6.6 9.8#
42 0.0	7.0 10.6#
44 81.7	4.0 6.0#



#24
 1,1-Dichloroethane
 Concen: 0.027 ppbv
 RT: 2.411 min Scan# 718
 Delta R.T. -0.000 min
 Lab File: VL042847.D
 Acq: 13 Aug 2025 11:30

Tgt Ion: 63	Resp:	388
Ion Ratio	Lower	Upper
63 100		
98 16.4	2.1	6.5#
100 10.0	1.7	5.1#

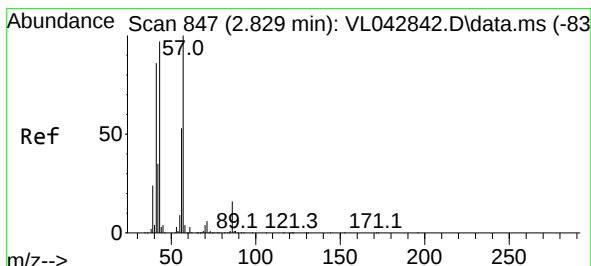
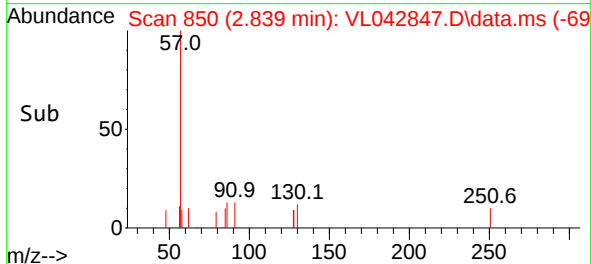
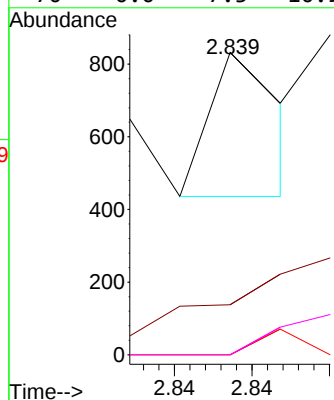
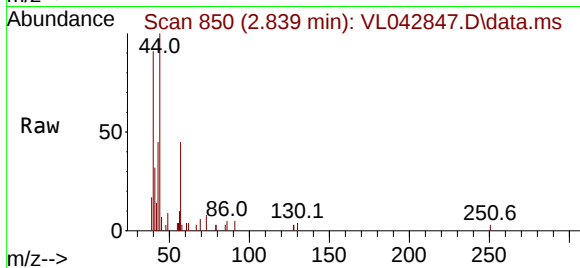




#25
Ethyl Acetate
Concen: 0.003 ppbv
RT: 2.839 min Scan# 81
Delta R.T. -0.000 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

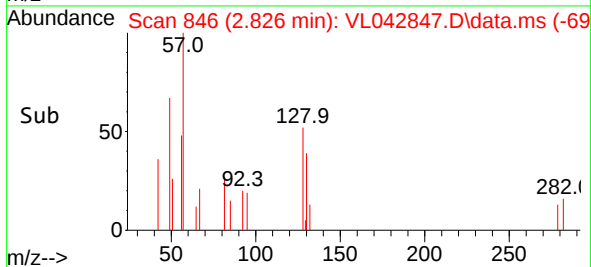
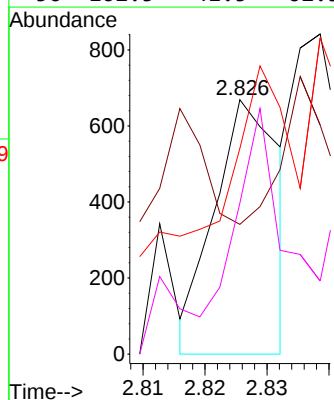
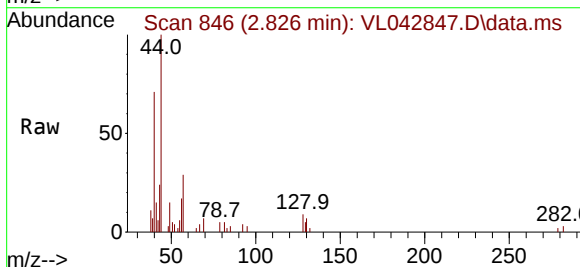
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

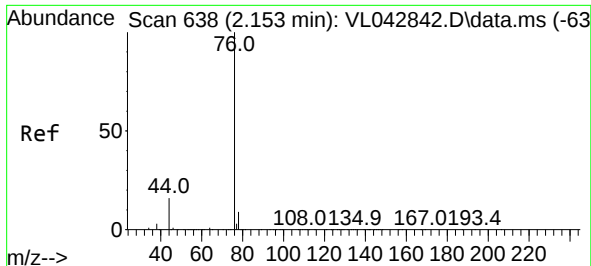
Tgt Ion: 43	Resp:	126	
Ion	Ratio	Lower	Upper
43	100		
45	268.3	8.1	12.1#
61	0.0	7.4	11.2#
70	0.0	7.3	10.9#



#26
Hexane
Concen: 0.027 ppbv
RT: 2.826 min Scan# 846
Delta R.T. -0.003 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

Tgt Ion: 57	Resp:	483	
Ion	Ratio	Lower	Upper
57	100		
41	0.0	68.6	103.0#
43	0.0	168.5	252.7#
56	162.5	41.5	62.3#





#27

Carbon Disulfide

Concen: 0.029 ppbv

RT: 2.159 min Scan# 640

Delta R.T. 0.006 min

Lab File: VL042847.D

Acq: 13 Aug 2025 11:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

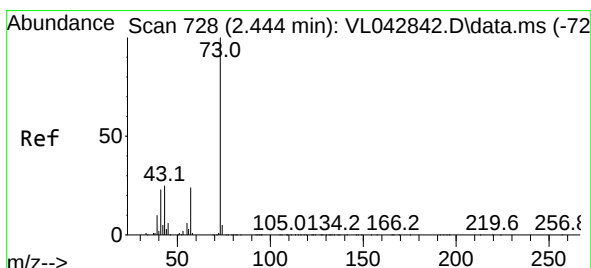
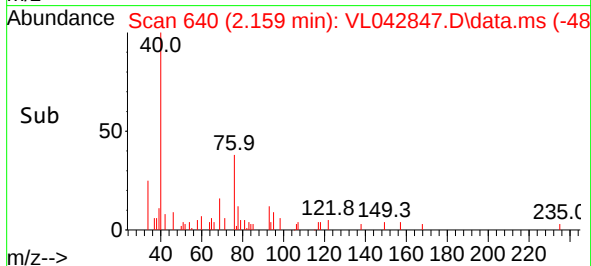
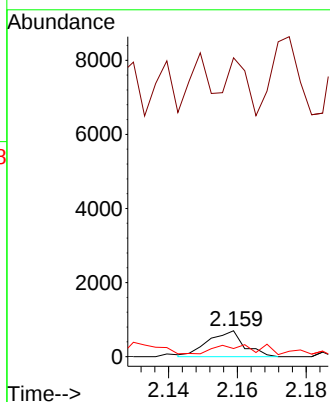
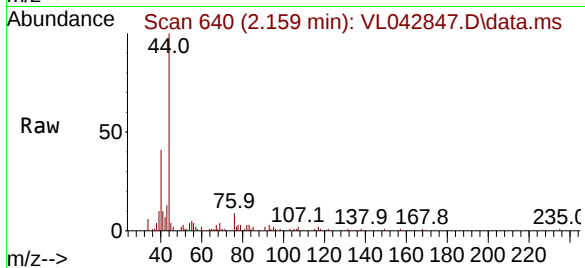
Tgt Ion: 76 Resp: 509

Ion Ratio Lower Upper

76 100

44 2370.7 15.9 23.9#

78 81.3 9.5 14.3#



#28

Methyl tert-Butyl Ether

Concen: 0.056 ppbv

RT: 2.450 min Scan# 730

Delta R.T. 0.006 min

Lab File: VL042847.D

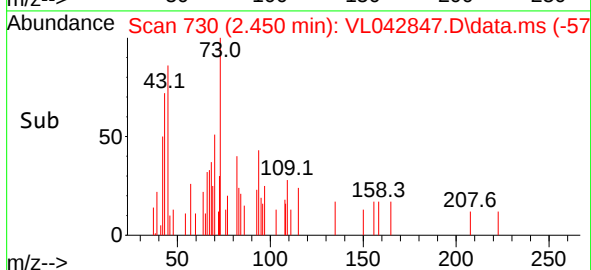
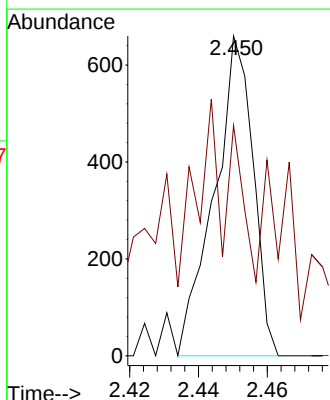
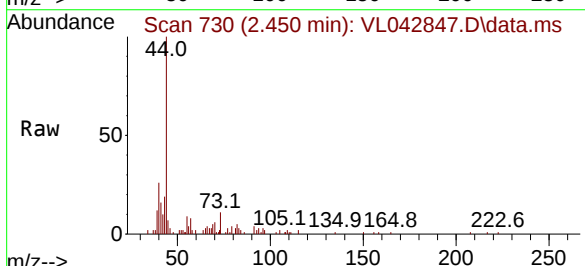
Acq: 13 Aug 2025 11:30

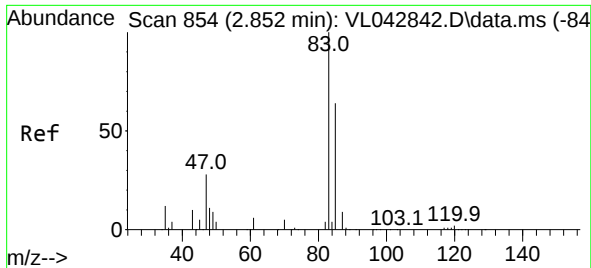
Tgt Ion: 73 Resp: 517

Ion Ratio Lower Upper

73 100

57 159.0 21.6 32.4#

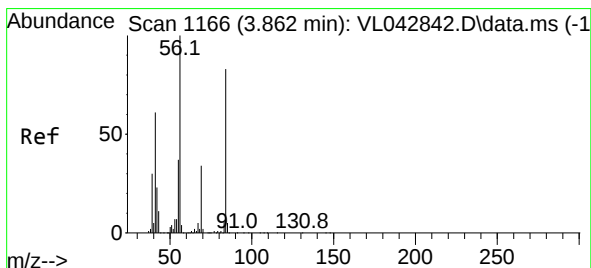
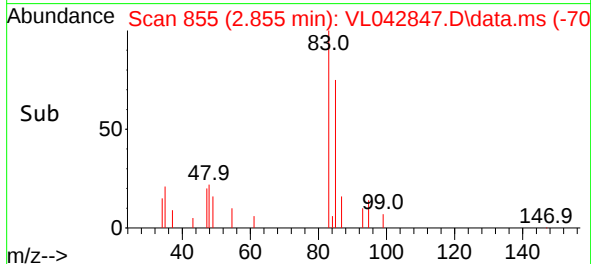
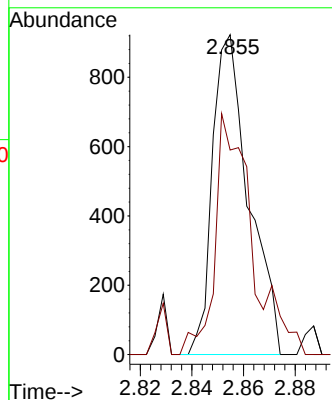
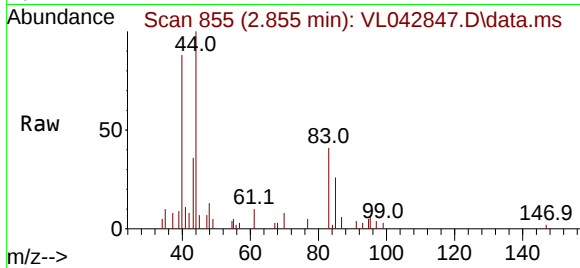




#29
Chloroform
Concen: 0.035 ppbv
RT: 2.855 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

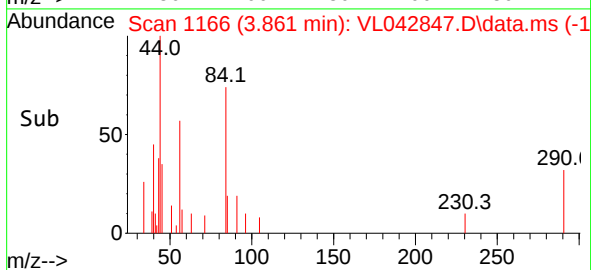
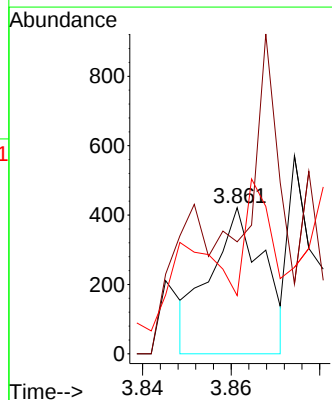
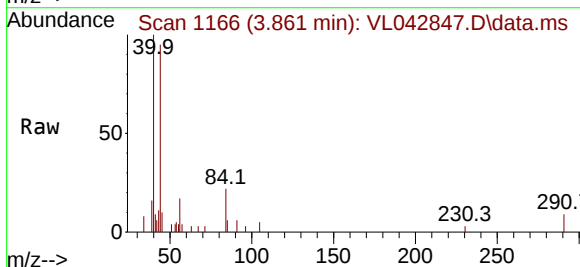
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

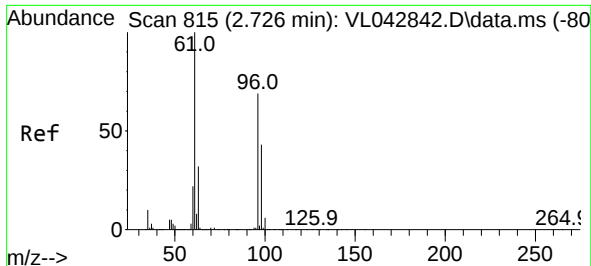
Tgt Ion: 83 Resp: 902
Ion Ratio Lower Upper
83 100
85 63.9 51.1 76.7



#30
Cyclohexane
Concen: 0.022 ppbv
RT: 3.861 min Scan# 1166
Delta R.T. -0.000 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

Tgt Ion: 84 Resp: 352
Ion Ratio Lower Upper
84 100
56 309.9 98.8 148.2#
41 239.8 61.3 91.9#

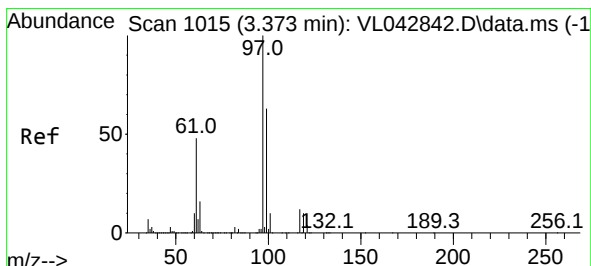
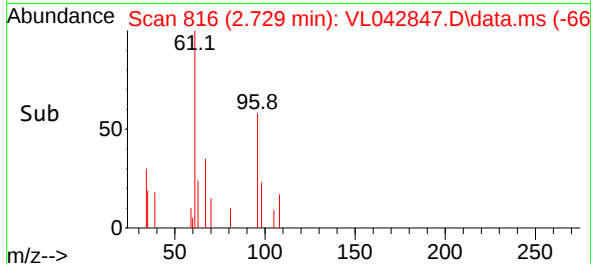
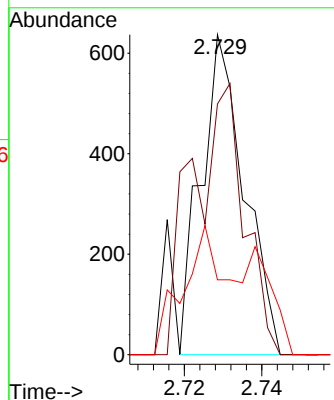
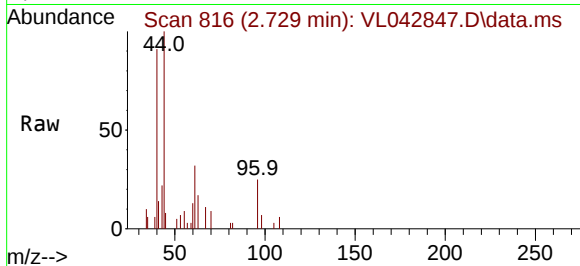




#31
 cis-1,2-Dichloroethene
 Concen: 0.027 ppbv
 RT: 2.729 min Scan# 815
 Delta R.T. 0.003 min
 Lab File: VL042847.D
 Acq: 13 Aug 2025 11:30

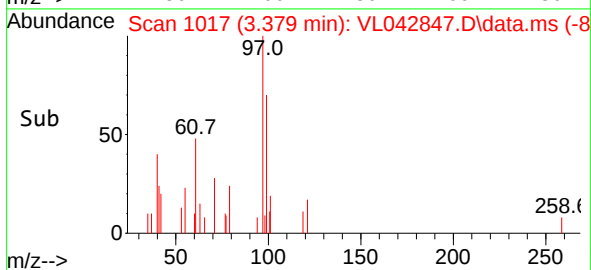
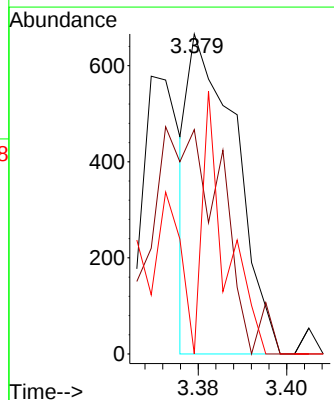
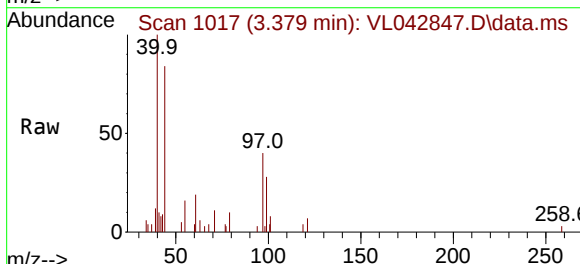
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

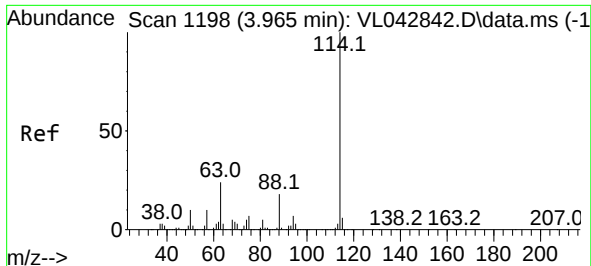
Tgt Ion:	61	Resp:	497
Ion	Ratio	Lower	Upper
61	100		
96	78.3	55.0	82.6
98	9.4	34.3	51.5



#32
 1,1,1-Trichloroethane
 Concen: 0.018 ppbv
 RT: 3.379 min Scan# 1017
 Delta R.T. 0.006 min
 Lab File: VL042847.D
 Acq: 13 Aug 2025 11:30

Tgt Ion:	97	Resp:	493
Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.0	76.6
61	82.6	38.0	57.0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.968 min Scan# 1199

Delta R.T. 0.003 min

Lab File: VL042847.D

Acq: 13 Aug 2025 11:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

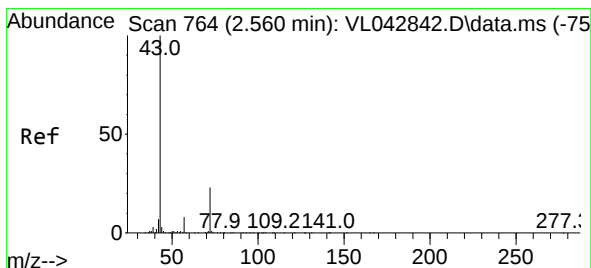
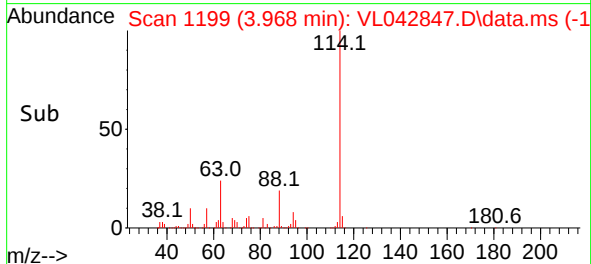
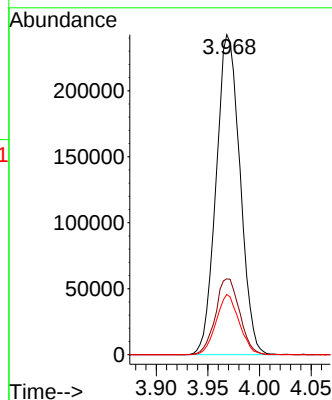
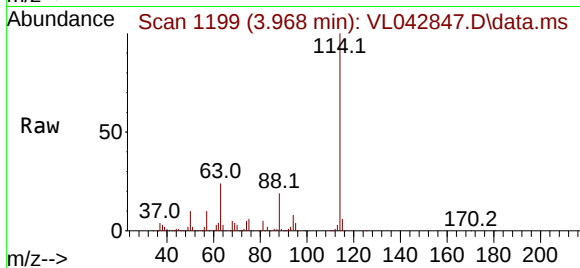
Tgt Ion:114 Resp: 390076

Ion Ratio Lower Upper

114 100

63 24.1 19.7 29.5

88 18.1 14.4 21.6



#34

2-Butanone

Concen: 0.016 ppbv

RT: 2.567 min Scan# 766

Delta R.T. 0.006 min

Lab File: VL042847.D

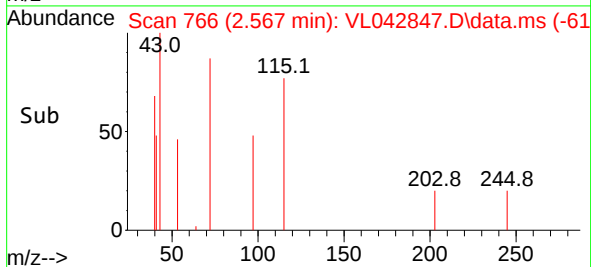
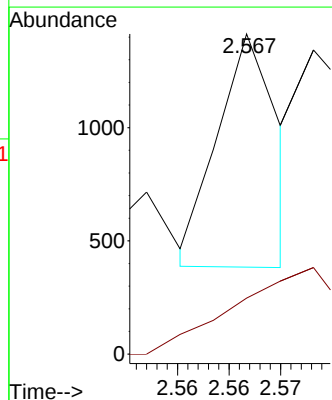
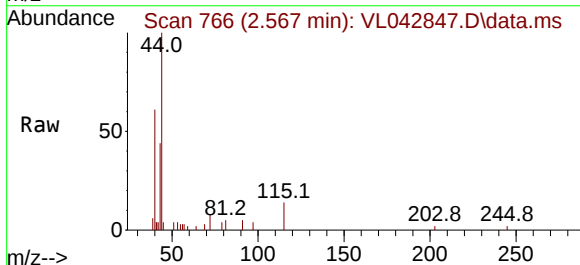
Acq: 13 Aug 2025 11:30

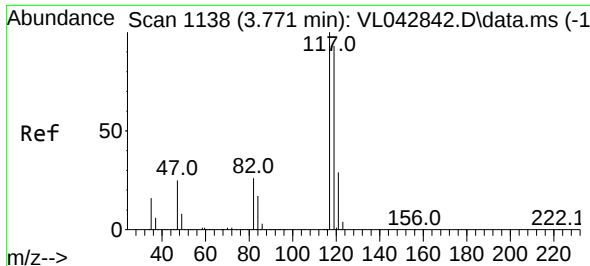
Tgt Ion: 43 Resp: 422

Ion Ratio Lower Upper

43 100

72 0.0 18.6 28.0#

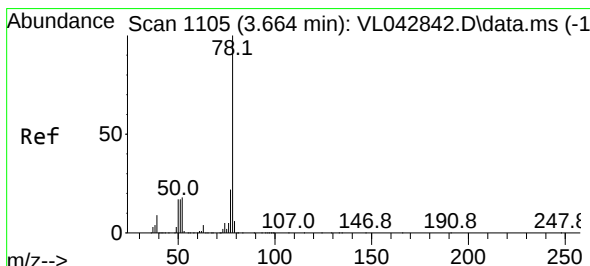
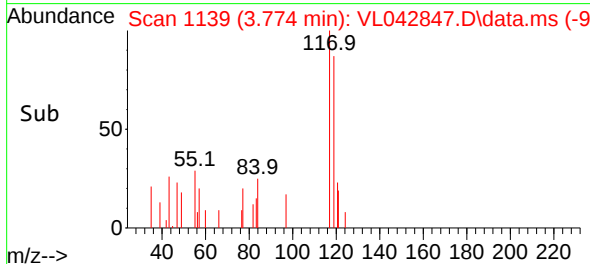
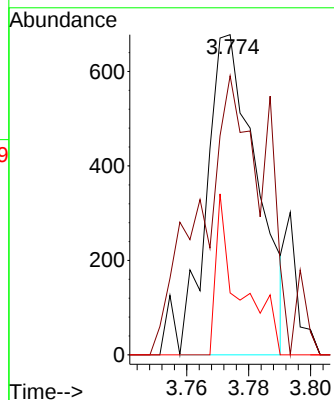
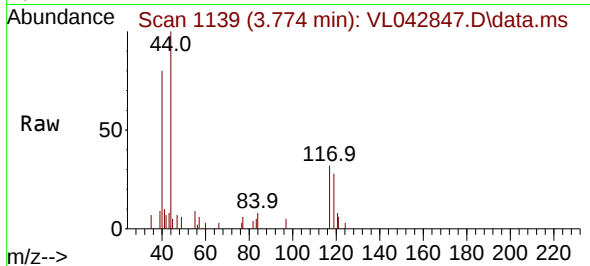




#35
Carbon Tetrachloride
Concen: 0.028 ppbv
RT: 3.774 min Scan# 1138
Delta R.T. 0.003 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

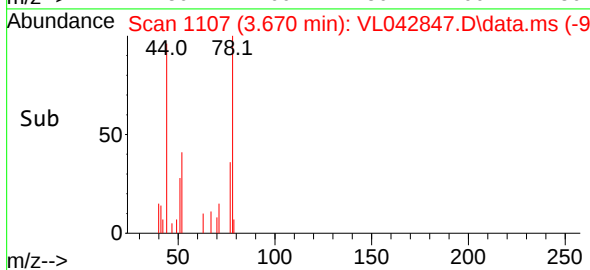
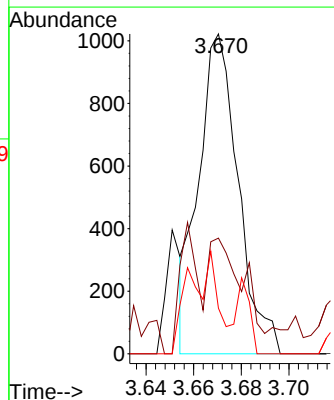
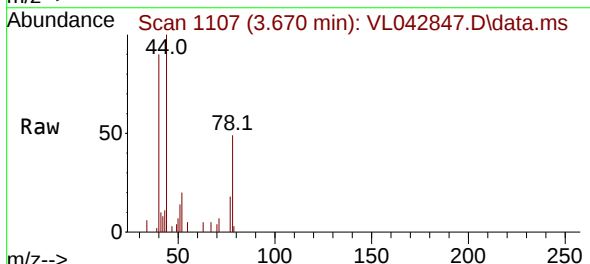
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

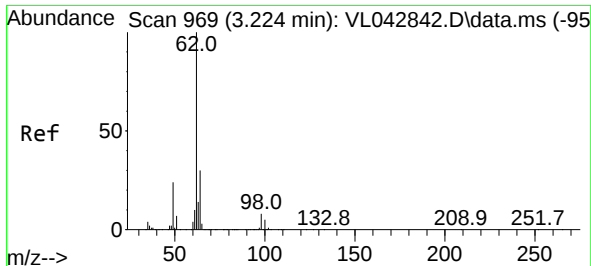
Tgt Ion:117 Resp: 756
Ion Ratio Lower Upper
117 100
119 59.0 74.7 112.1#
121 19.3 23.2 34.8#



#36
Benzene
Concen: 0.032 ppbv
RT: 3.670 min Scan# 1107
Delta R.T. 0.006 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

Tgt Ion: 78 Resp: 1185
Ion Ratio Lower Upper
78 100
77 26.8 17.7 26.5#
50 13.4 13.9 20.9#

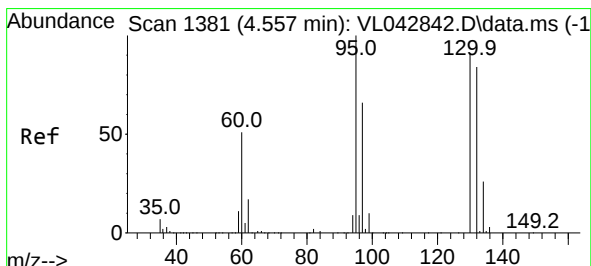
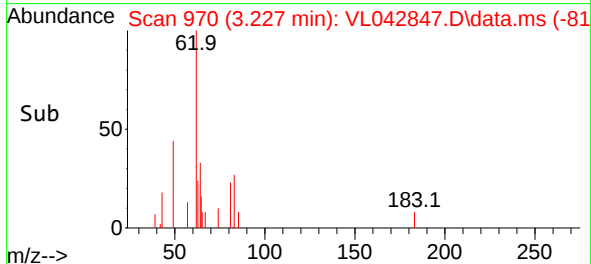
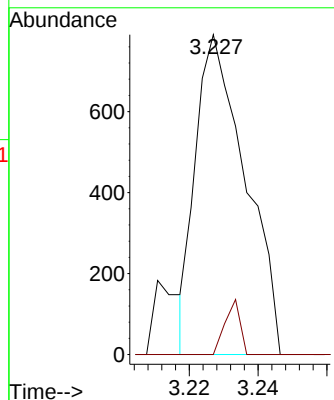
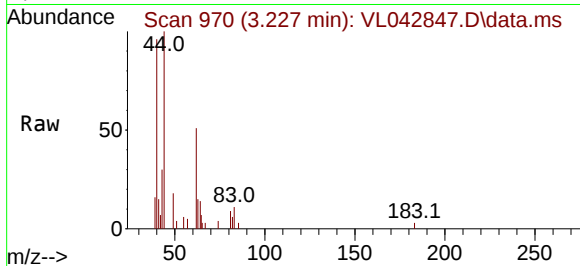




#37
1,2-Dichloroethane
Concen: 0.041 ppbv
RT: 3.227 min Scan# 91
Delta R.T. 0.003 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

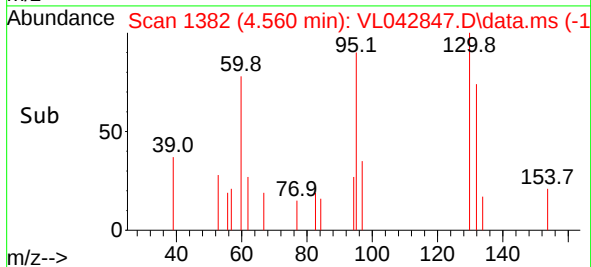
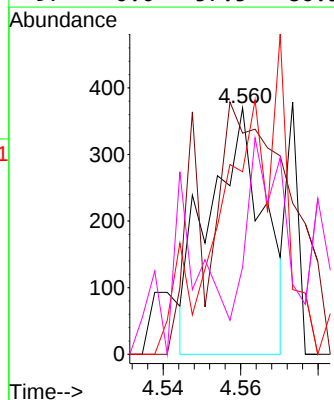
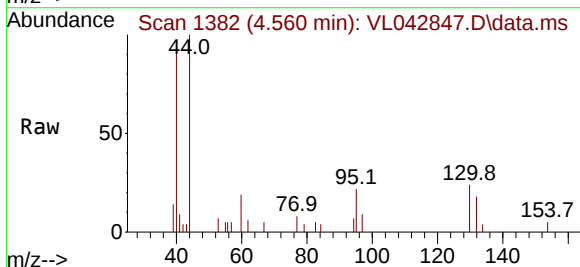
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

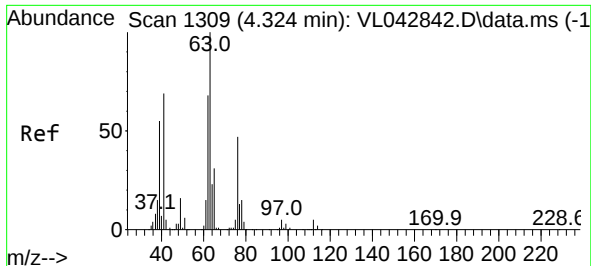
Tgt Ion: 62 Resp: 792
Ion Ratio Lower Upper
62 100
98 5.2 5.9 8.9#



#38
Trichloroethene
Concen: 0.021 ppbv
RT: 4.560 min Scan# 1382
Delta R.T. 0.003 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

Tgt Ion:130 Resp: 363
Ion Ratio Lower Upper
130 100
95 77.9 87.6 131.4#
132 35.9 73.8 110.8#
97 0.0 57.5 86.3#





#39

1,2-Dichloropropane

Concen: 6.881 ppbv

RT: 3.968 min Scan# 1199

Delta R.T. -0.356 min

Lab File: VL042847.D

Acq: 13 Aug 2025 11:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

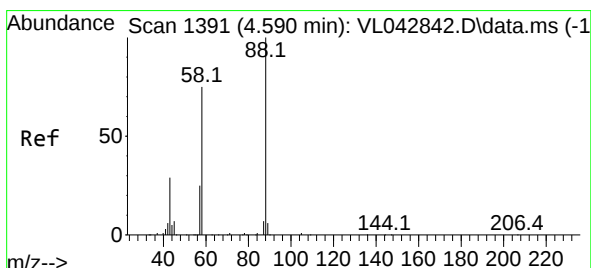
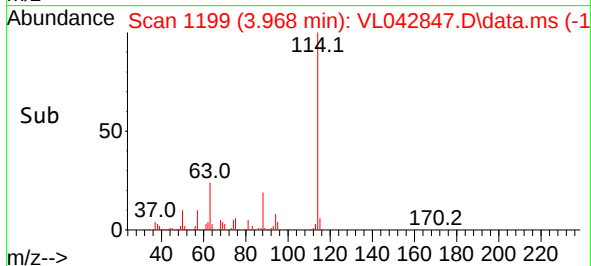
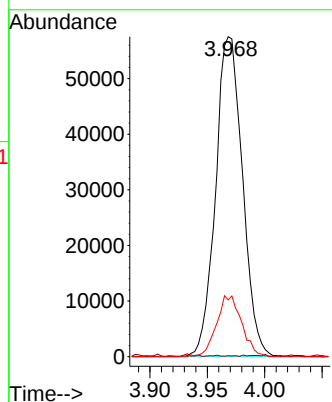
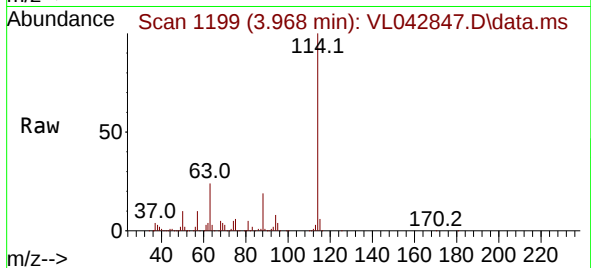
Tgt Ion: 63 Resp: 93873

Ion Ratio Lower Upper

63 100

41 0.2 55.0 82.4#

62 17.7 54.4 81.6#



#40

1,4-Dioxane

Concen: 0.016 ppbv

RT: 4.641 min Scan# 1407

Delta R.T. 0.052 min

Lab File: VL042847.D

Acq: 13 Aug 2025 11:30

Tgt Ion: 88 Resp: 105

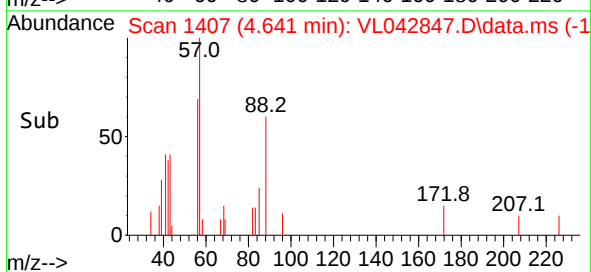
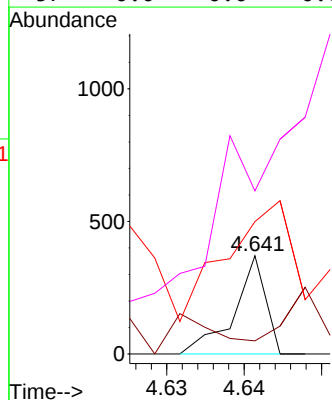
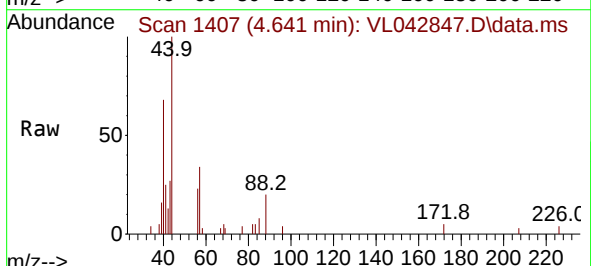
Ion Ratio Lower Upper

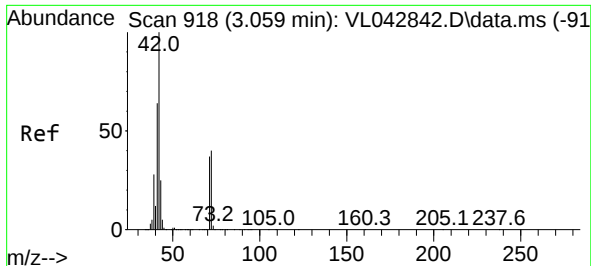
88 100

58 239.0 53.8 80.6#

43 781.0 22.8 34.2#

57 0.0 0.0 0.0

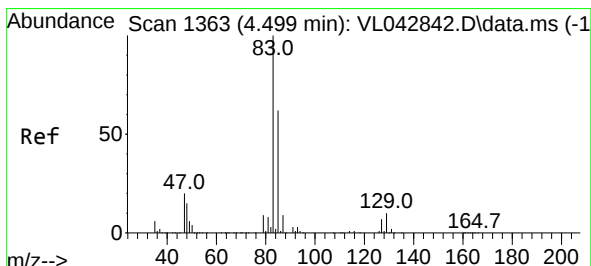
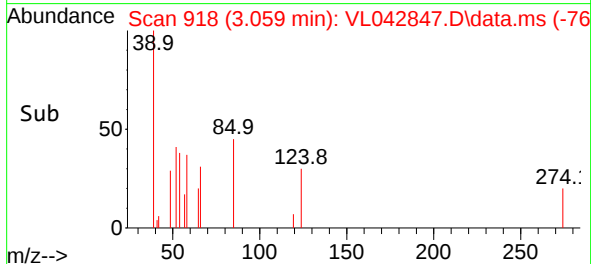
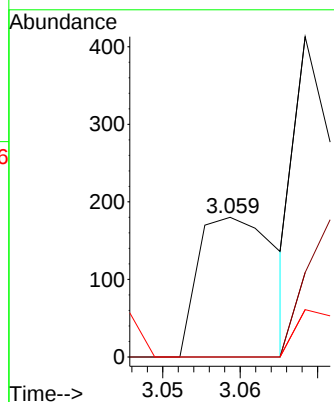
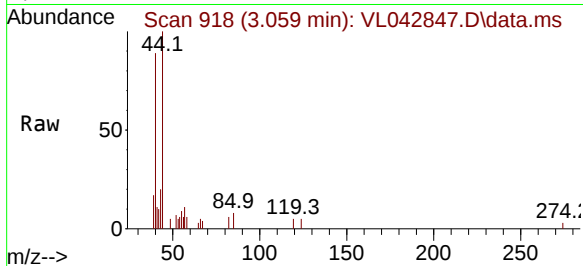




#41
Tetrahydrofuran
Concen: 0.009 ppbv
RT: 3.059 min Scan# 918
Delta R.T. -0.000 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

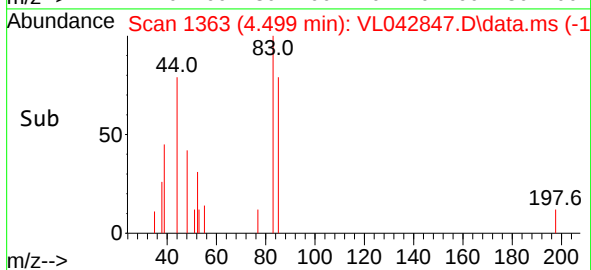
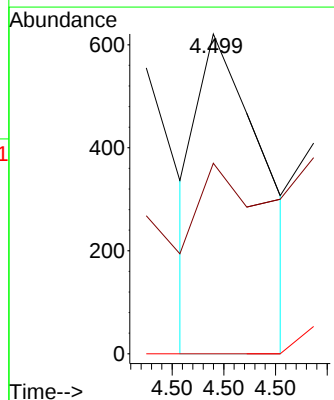
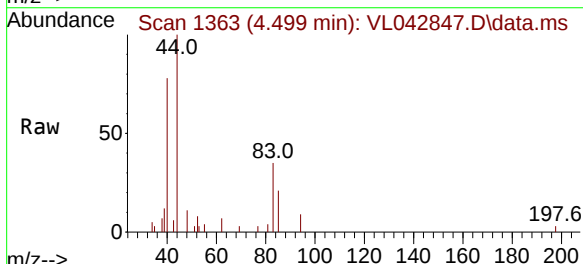
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

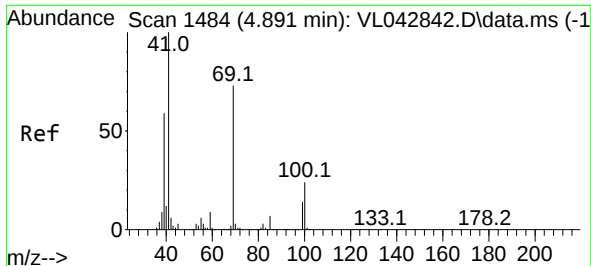
Tgt Ion: 42 Resp: 127
Ion Ratio Lower Upper
42 100
72 0.0 32.6 48.8#
71 0.0 30.0 45.0#



#42
Bromodichloromethane
Concen: 0.009 ppbv
RT: 4.499 min Scan# 1363
Delta R.T. -0.000 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

Tgt Ion: 83 Resp: 271
Ion Ratio Lower Upper
83 100
85 56.1 49.8 74.8
127 0.0 5.8 8.6#

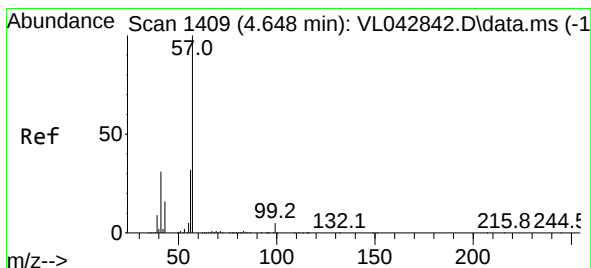
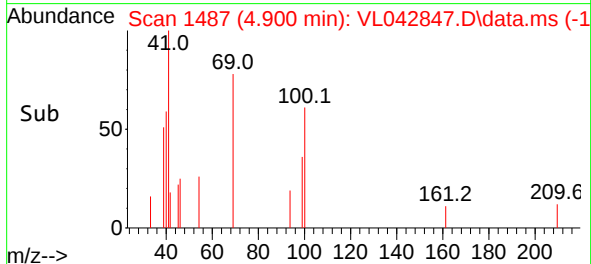
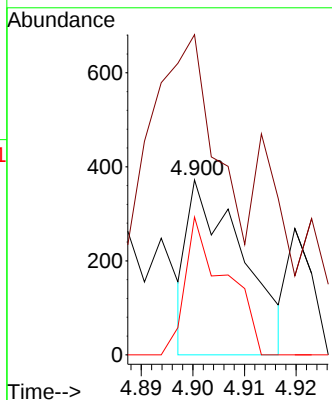
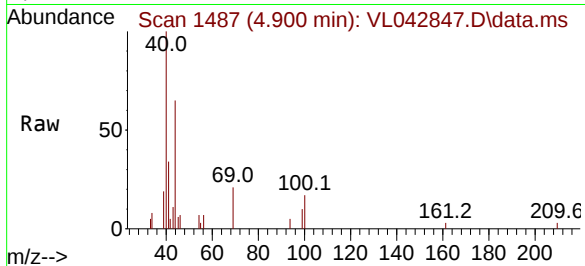




#43
Methyl Methacrylate
Concen: 0.018 ppbv
RT: 4.900 min Scan# 1410
Delta R.T. 0.009 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

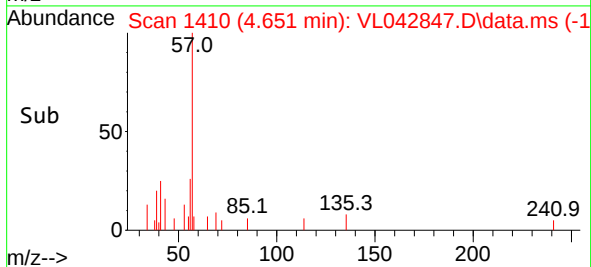
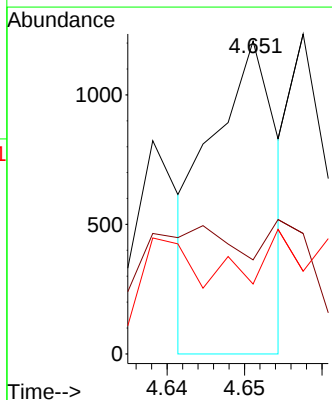
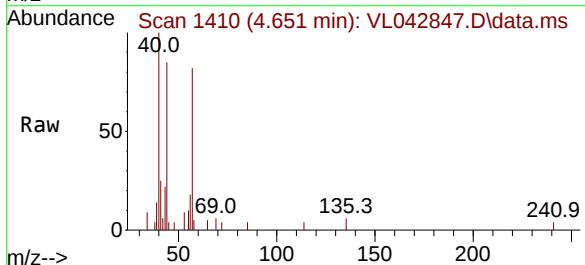
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.03

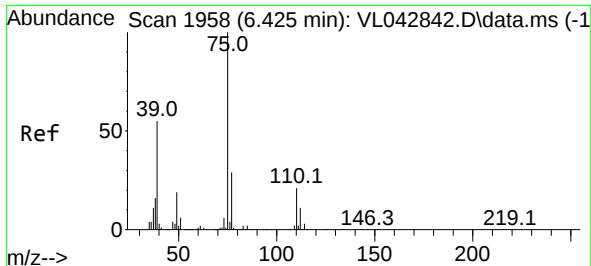
Tgt Ion: 69 Resp: 270
Ion Ratio Lower Upper
69 100
41 466.3 114.6 172.0#
100 59.6 30.2 45.4#



#44
2,2,4-Trimethylpentane
Concen: 0.012 ppbv
RT: 4.651 min Scan# 1410
Delta R.T. 0.003 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

Tgt Ion: 57 Resp: 726
Ion Ratio Lower Upper
57 100
41 0.0 24.8 37.2#
56 0.0 25.5 38.3#

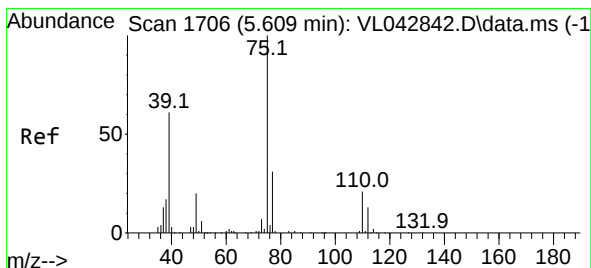
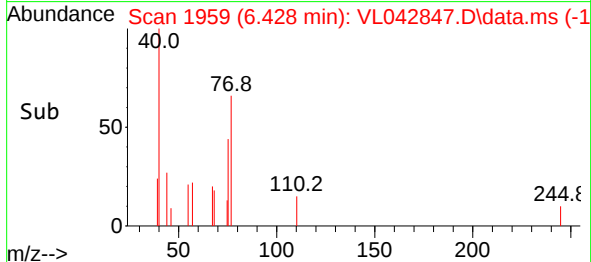
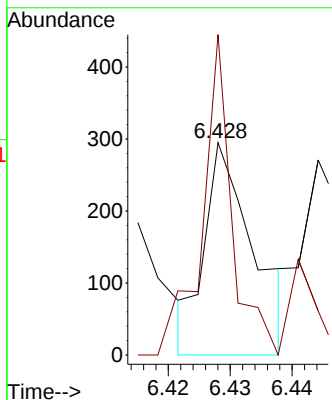
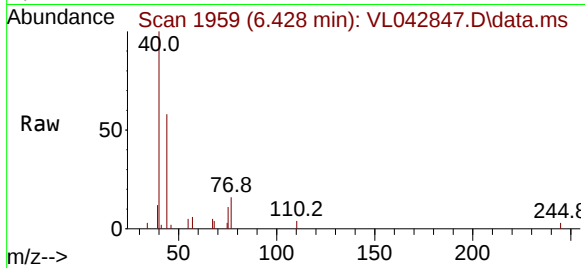




#45
 t-1,3-Dichloropropene
 Concen: 0.009 ppbv
 RT: 6.428 min Scan# 1958
 Delta R.T. 0.003 min
 Lab File: VL042847.D
 Acq: 13 Aug 2025 11:30

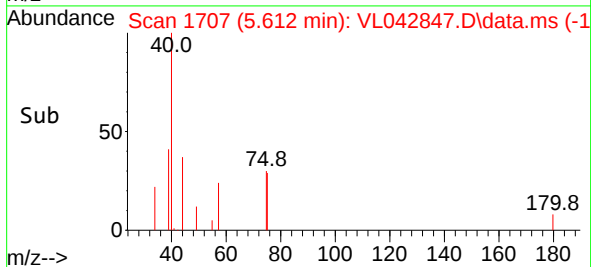
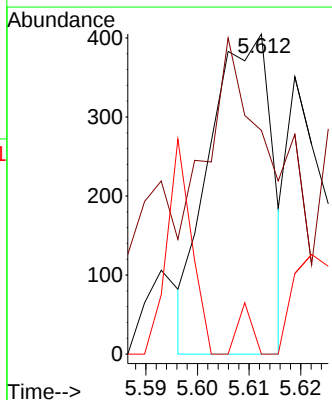
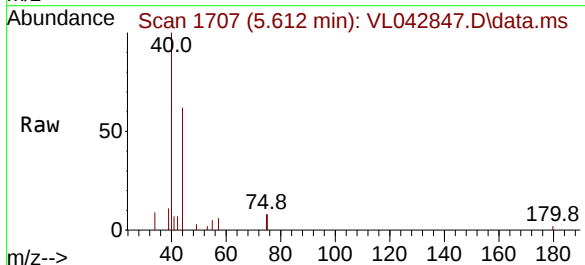
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

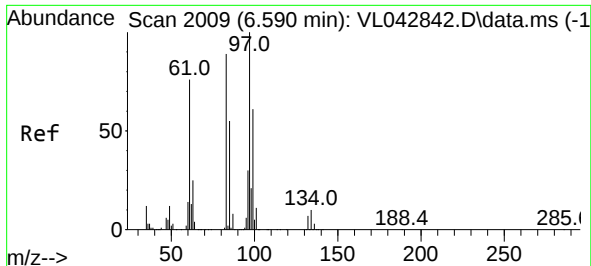
Tgt Ion: 75 Resp: 162
 Ion Ratio Lower Upper
 75 100
 77 150.8 23.8 35.6#



#46
 cis-1,3-Dichloropropene
 Concen: 0.016 ppbv
 RT: 5.612 min Scan# 1707
 Delta R.T. 0.003 min
 Lab File: VL042847.D
 Acq: 13 Aug 2025 11:30

Tgt Ion: 75 Resp: 343
 Ion Ratio Lower Upper
 75 100
 39 42.7 48.9 73.3#
 77 0.0 24.9 37.3#

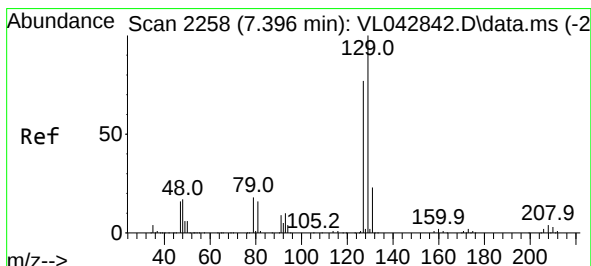
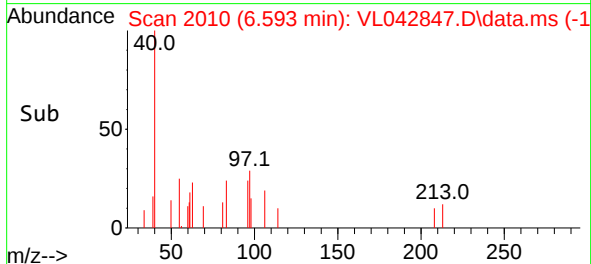
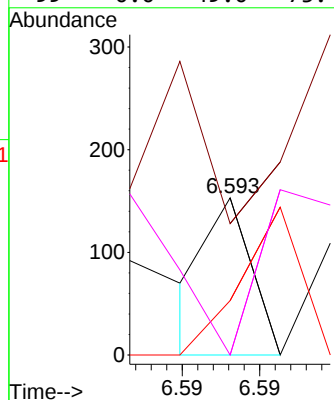
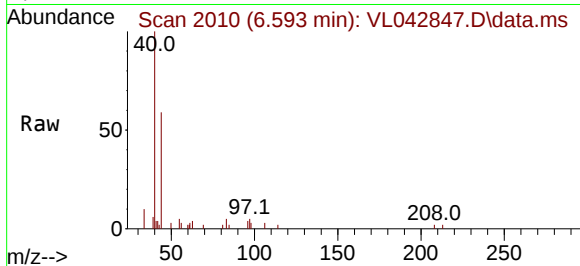




#47
1,1,2-Trichloroethane
Concen: 0.002 ppbv
RT: 6.593 min Scan# 2009
Delta R.T. 0.003 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

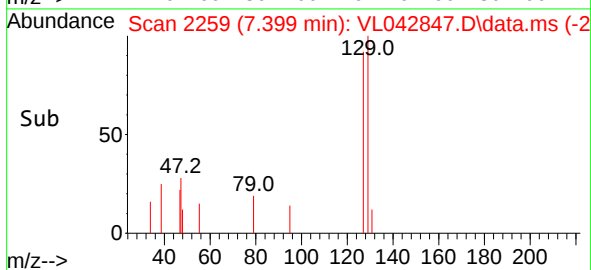
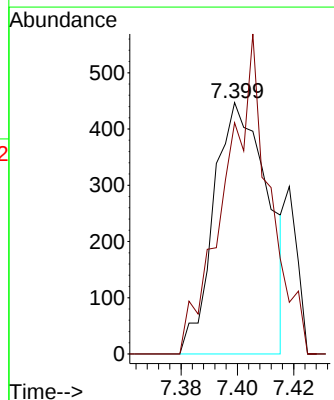
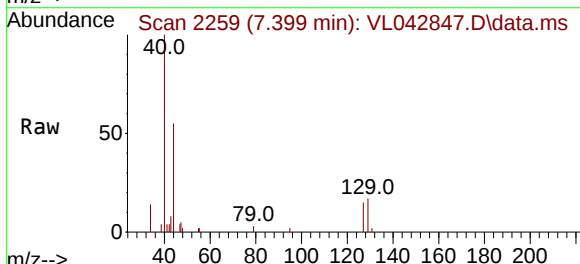
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

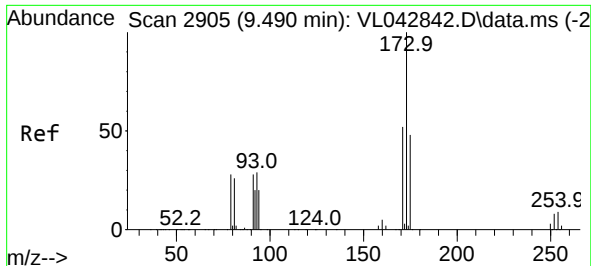
Tgt Ion: 97	Resp:	30
Ion	Ratio	Lower Upper
97	100	
83	0.0	71.0 106.4#
85	34.6	43.6 65.4#
99	0.0	49.0 73.4#



#48
Dibromochloromethane
Concen: 0.025 ppbv
RT: 7.399 min Scan# 2259
Delta R.T. 0.003 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

Tgt Ion: 129	Resp:	593
Ion	Ratio	Lower Upper
129	100	
127	104.0	39.4 118.2

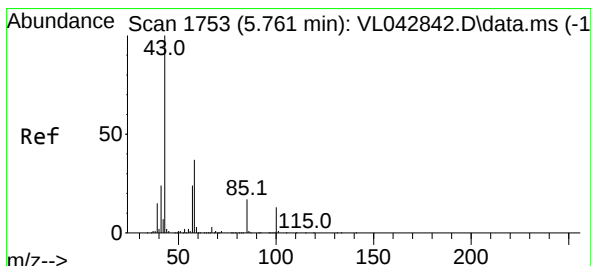
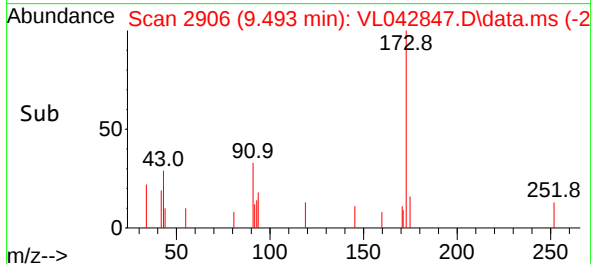
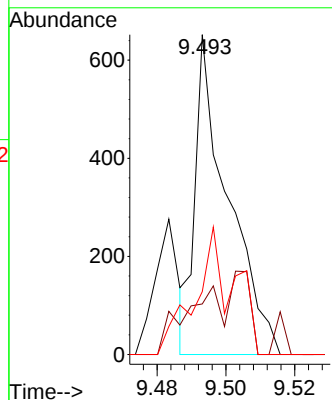
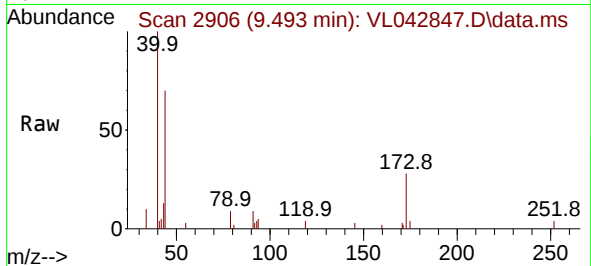




#49
Bromoform
Concen: 0.022 ppbv
RT: 9.493 min Scan# 2905
Delta R.T. 0.003 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

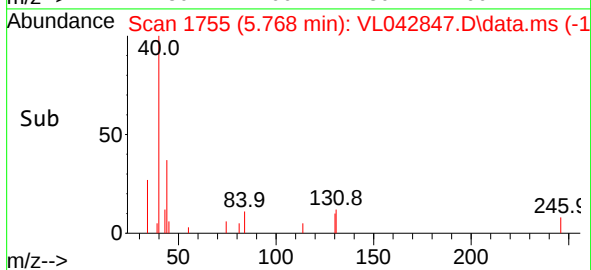
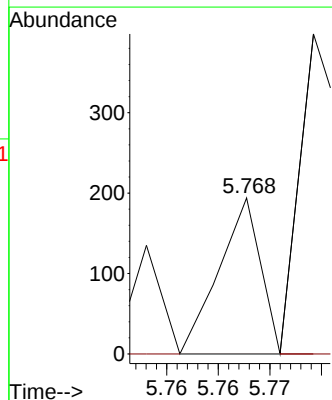
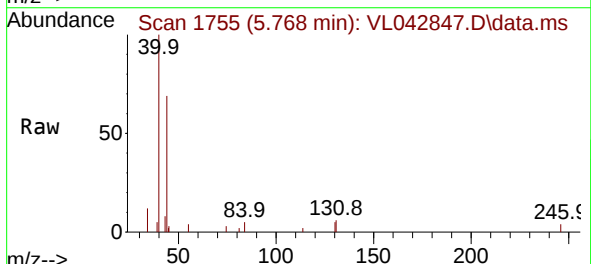
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

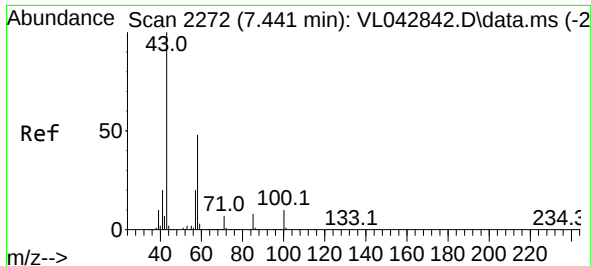
Tgt Ion:173 Resp: 431
Ion Ratio Lower Upper
173 100
175 43.9 39.2 58.8
171 46.9 41.3 61.9



#50
4-Methyl-2-Pentanone
Concen: 0.002 ppbv
RT: 5.768 min Scan# 1755
Delta R.T. 0.006 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

Tgt Ion: 43 Resp: 54
Ion Ratio Lower Upper
43 100
58 0.0 29.8 44.8#

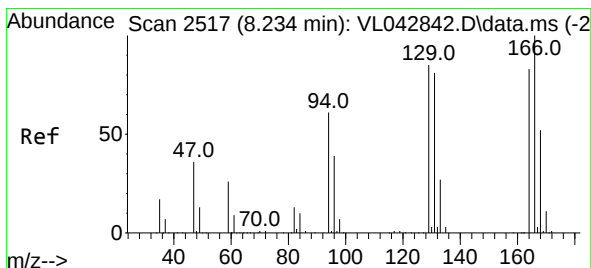
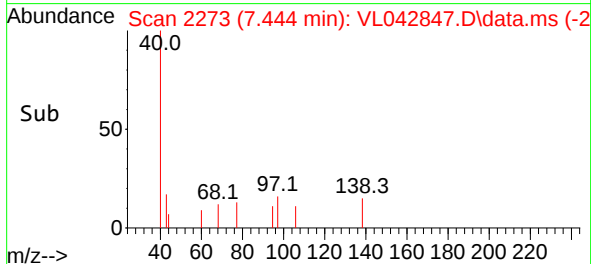
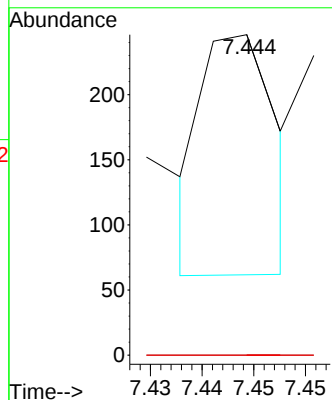
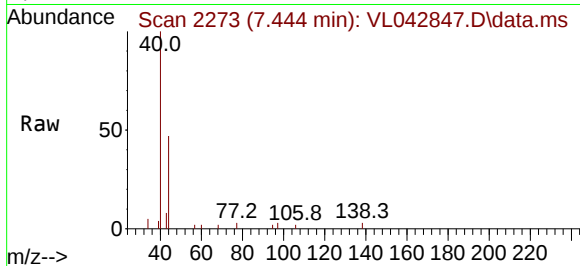




#51
2-Hexanone
Concen: 0.003 ppbv
RT: 7.444 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

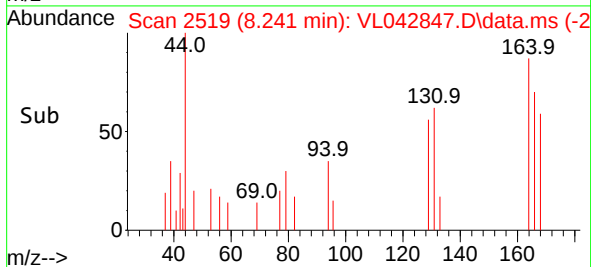
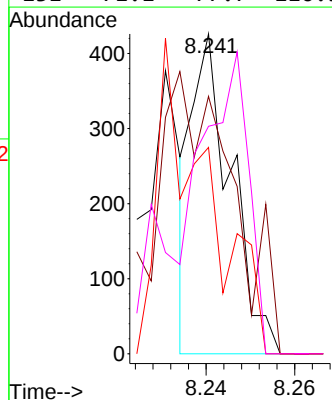
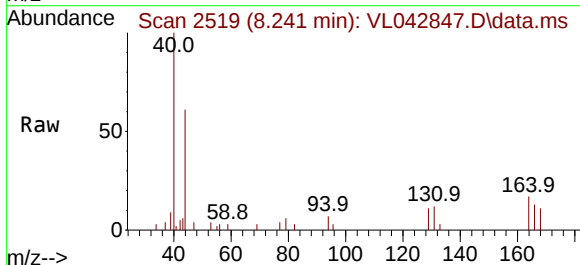
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

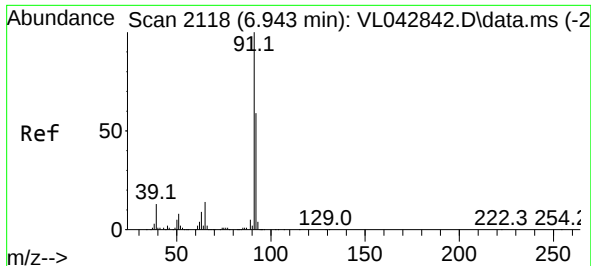
Tgt Ion: 43 Resp: 92
Ion Ratio Lower Upper
43 100
58 0.0 41.0 61.6#
98 0.0 0.1 0.1#



#52
Tetrachloroethene
Concen: 0.019 ppbv
RT: 8.241 min Scan# 2519
Delta R.T. 0.006 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

Tgt Ion: 164 Resp: 262
Ion Ratio Lower Upper
164 100
166 80.5 96.5 144.7#
129 64.6 81.8 122.6#
131 71.1 77.7 116.5#

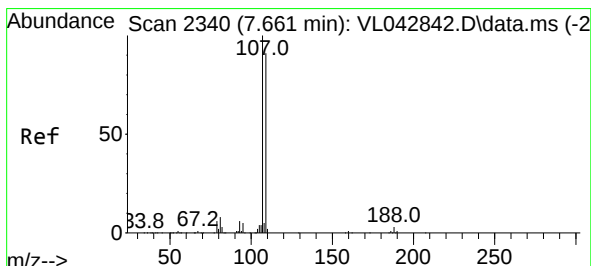
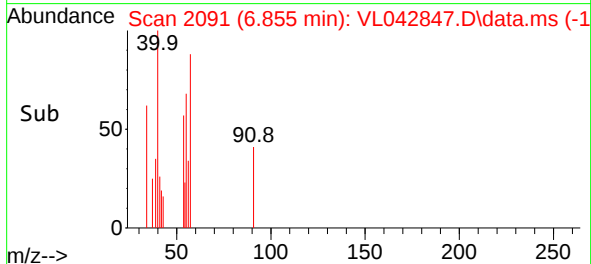
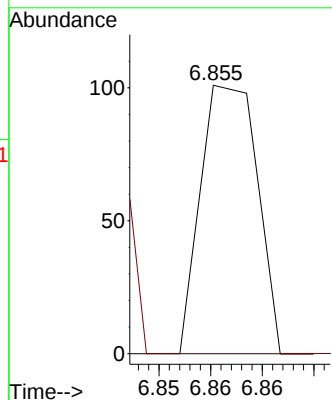
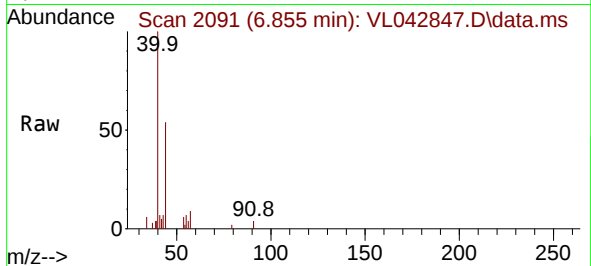




#53
Toluene
Concen: 0.001 ppbv
RT: 6.855 min Scan# 2091
Delta R.T. -0.088 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

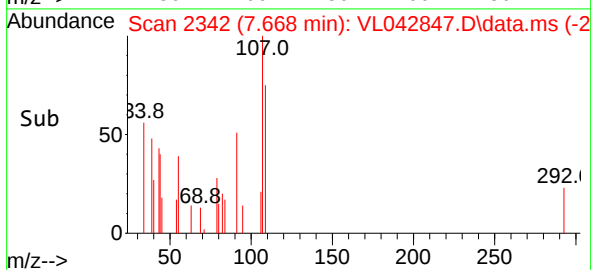
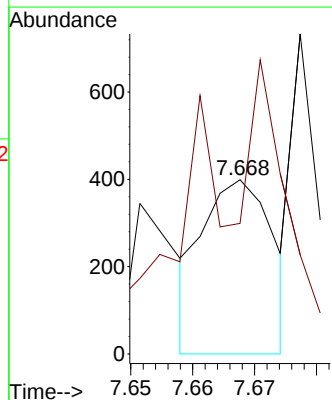
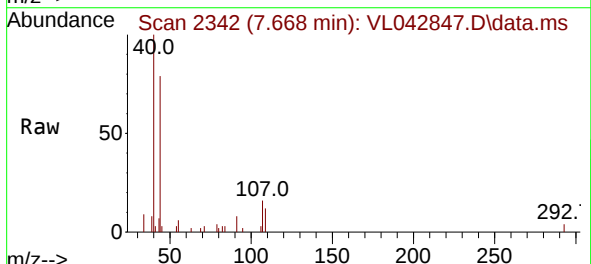
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

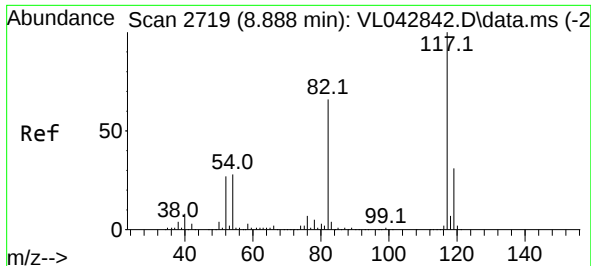
Tgt Ion: 91 Resp: 39
Ion Ratio Lower Upper
91 100
92 59.0 47.8 71.6



#54
1,2-Dibromoethane
Concen: 0.015 ppbv
RT: 7.668 min Scan# 2342
Delta R.T. 0.006 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

Tgt Ion: 107 Resp: 313
Ion Ratio Lower Upper
107 100
109 48.9 72.5 108.7#

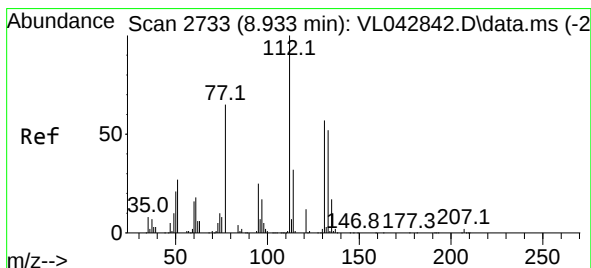
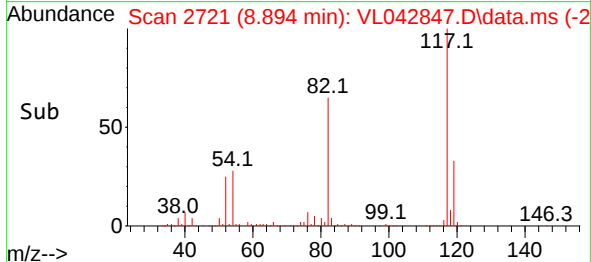
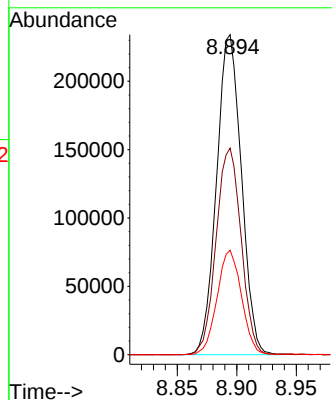
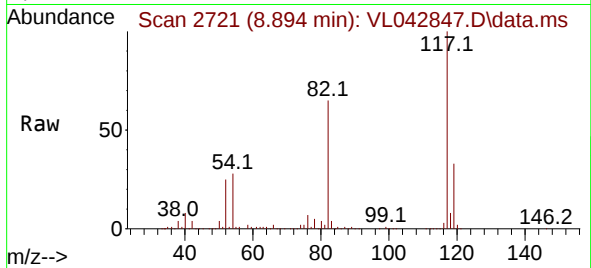




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.894 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

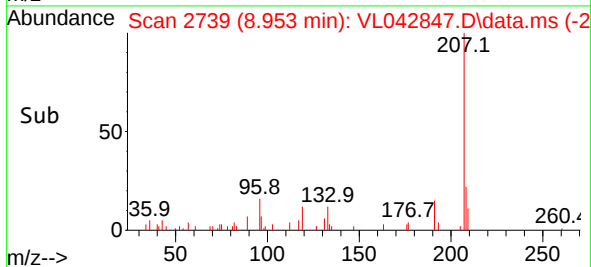
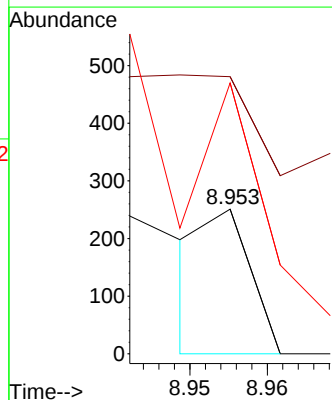
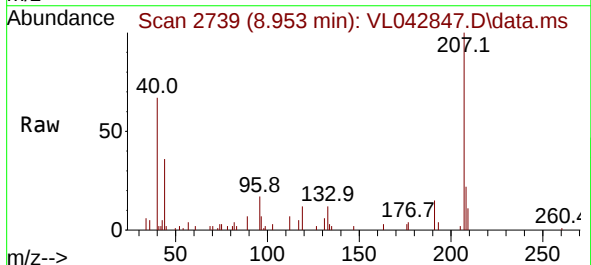
Instrument :
MSVOA_1
ClientSampleId :
VSTDICC0.03

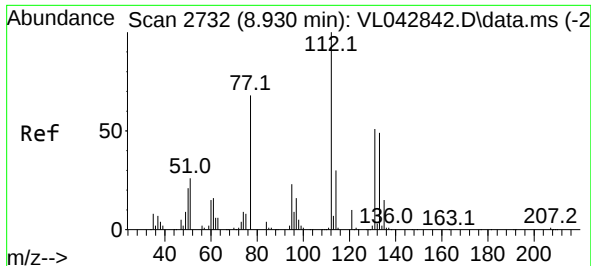
Tgt Ion:117 Resp: 339700
Ion Ratio Lower Upper
117 100
82 65.1 54.6 81.8
119 32.2 25.9 38.9



#56
1,1,1,2-Tetrachloroethane
Concen: 0.003 ppbv
RT: 8.953 min Scan# 2739
Delta R.T. 0.019 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

Tgt Ion:131 Resp: 49
Ion Ratio Lower Upper
131 100
133 0.0 77.4 116.0#
119 0.0 51.2 76.8#

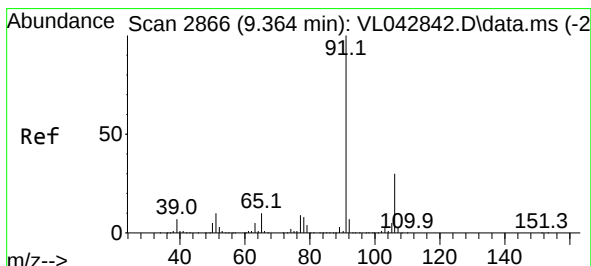
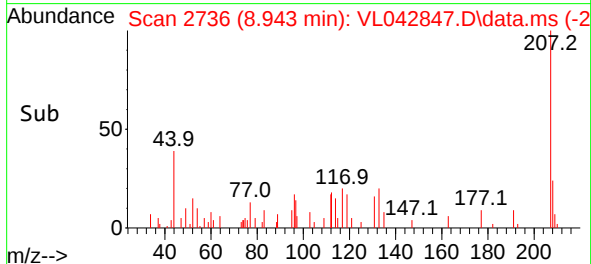
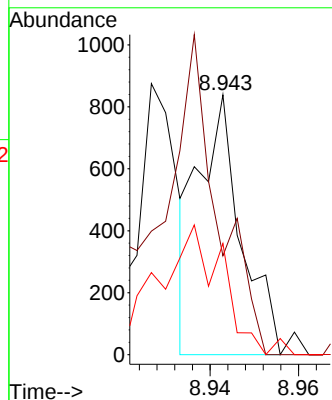
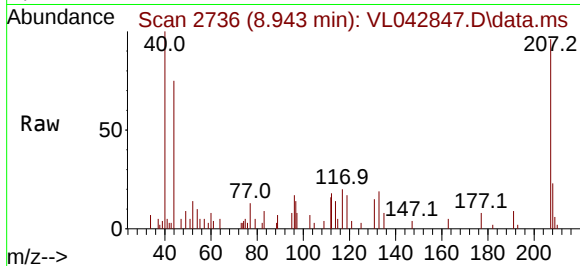




#57
Chlorobenzene
Concen: 0.017 ppbv
RT: 8.943 min Scan# 2117
Delta R.T. 0.013 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

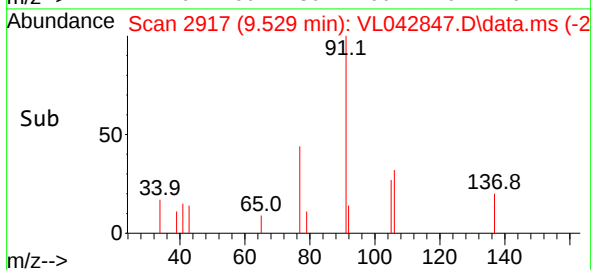
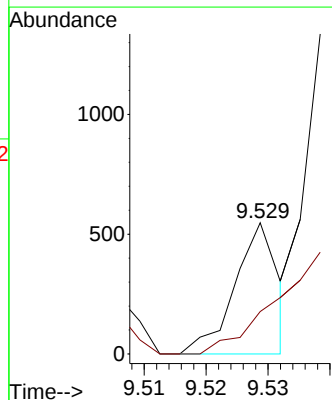
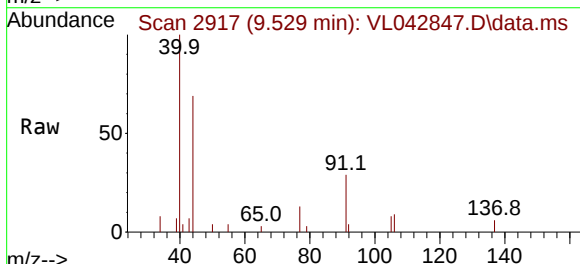
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.03

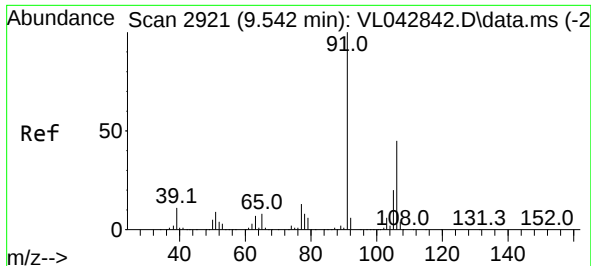
Tgt Ion:112 Resp: 561
Ion Ratio Lower Upper
112 100
77 38.0 55.5 83.3#
114 36.6 27.2 33.2#



#58
Ethyl Benzene
Concen: 0.004 ppbv
RT: 9.529 min Scan# 2917
Delta R.T. 0.165 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

Tgt Ion: 91 Resp: 267
Ion Ratio Lower Upper
91 100
106 32.3 23.9 35.9





#59

m/p-Xylene

Concen: 0.034 ppbv

RT: 9.542 min Scan# 2921

Delta R.T. -0.000 min

Lab File: VL042847.D

Acq: 13 Aug 2025 11:30

Instrument :

MSVOA_L

ClientSampleId :

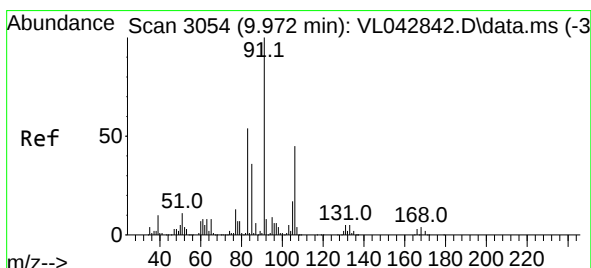
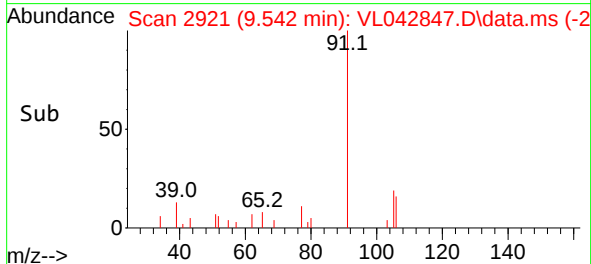
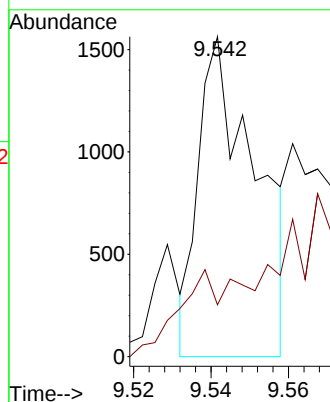
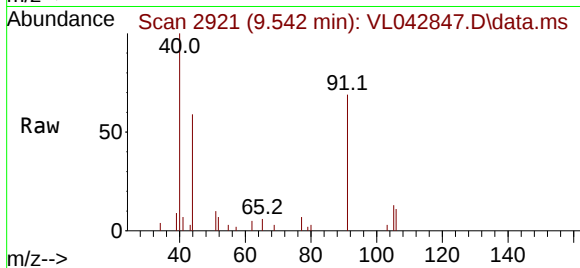
VSTDIC0.03

Tgt Ion: 91 Resp: 1589

Ion Ratio Lower Upper

91 100

106 0.0 0.0 0.0



#60

o-Xylene

Concen: 0.036 ppbv

RT: 9.975 min Scan# 3055

Delta R.T. 0.003 min

Lab File: VL042847.D

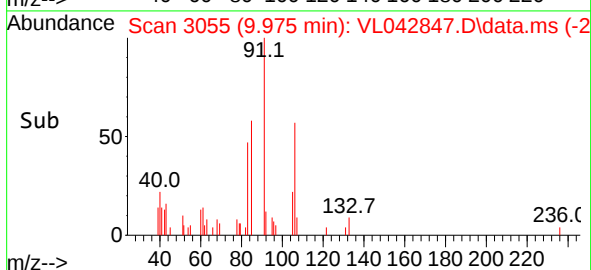
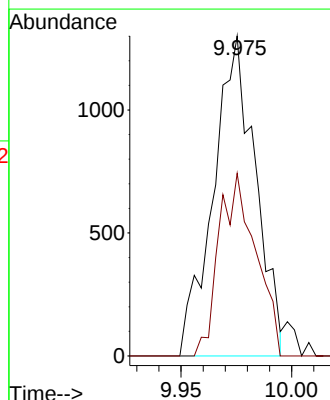
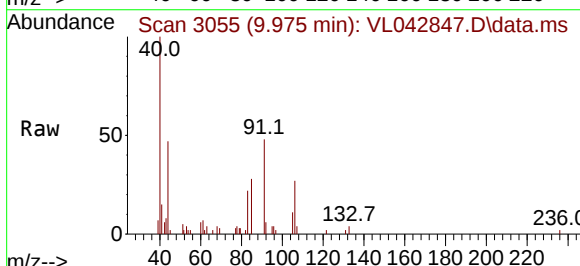
Acq: 13 Aug 2025 11:30

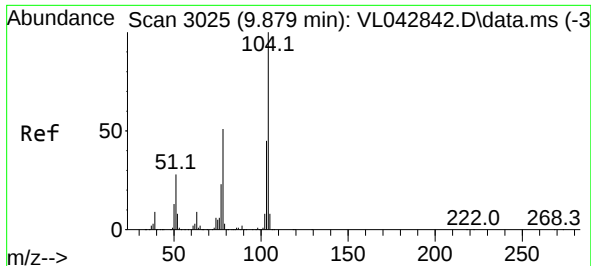
Tgt Ion: 91 Resp: 1722

Ion Ratio Lower Upper

91 100

106 49.8 21.8 65.4

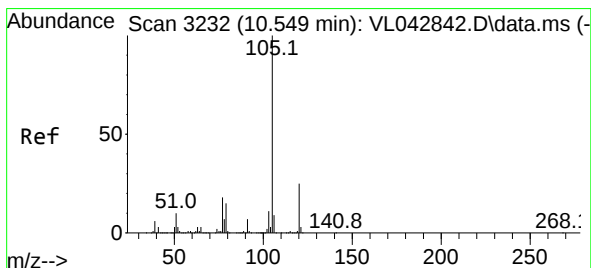
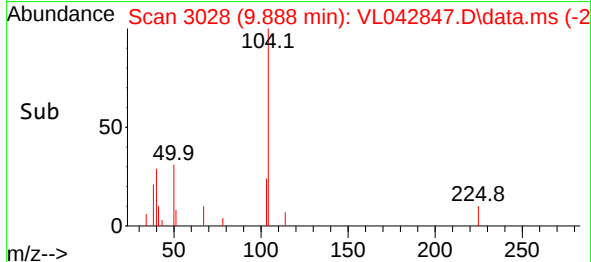
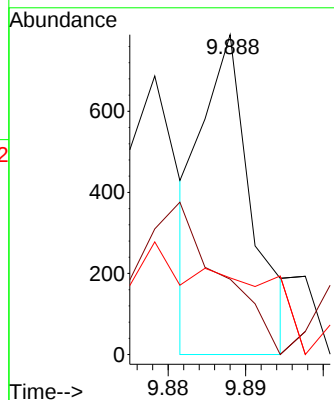
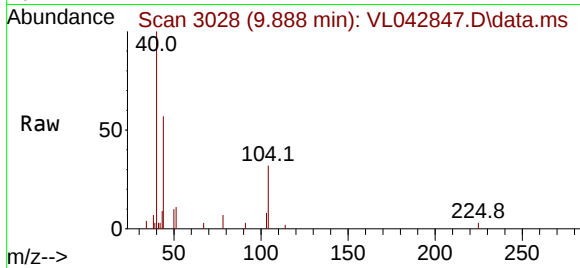




#61
Styrene
Concen: 0.016 ppbv
RT: 9.888 min Scan# 3025
Delta R.T. 0.009 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

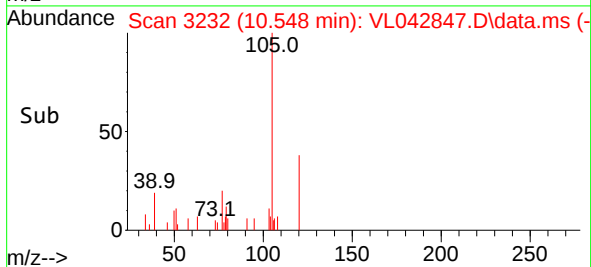
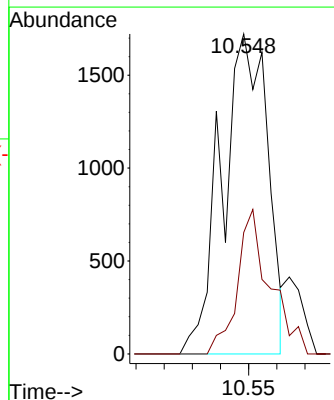
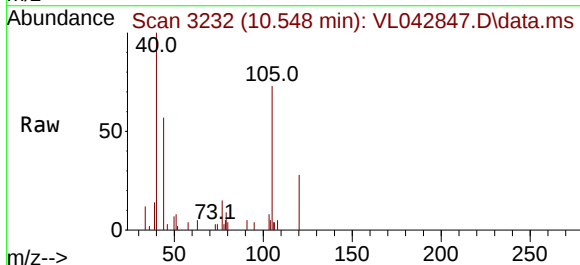
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

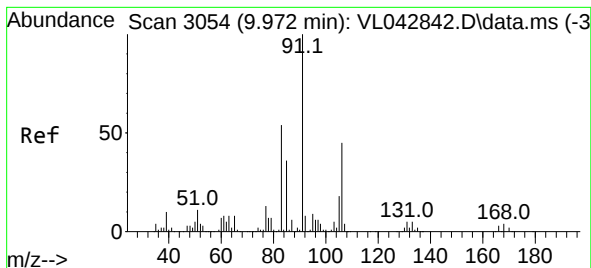
Tgt Ion:104 Resp: 354
Ion Ratio Lower Upper
104 100
78 0.0 40.6 61.0#
103 0.0 37.7 56.5#



#62
Isopropylbenzene
Concen: 0.028 ppbv
RT: 10.548 min Scan# 3232
Delta R.T. -0.000 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

Tgt Ion:105 Resp: 1945
Ion Ratio Lower Upper
105 100
120 32.1 20.6 30.8#





#63

1,1,2,2-Tetrachloroethane

Concen: 0.017 ppbv

RT: 9.979 min Scan# 3054

Delta R.T. 0.006 min

Lab File: VL042847.D

Acq: 13 Aug 2025 11:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

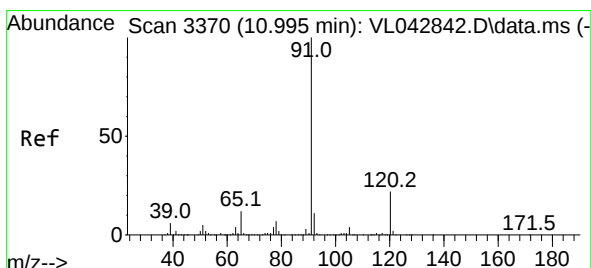
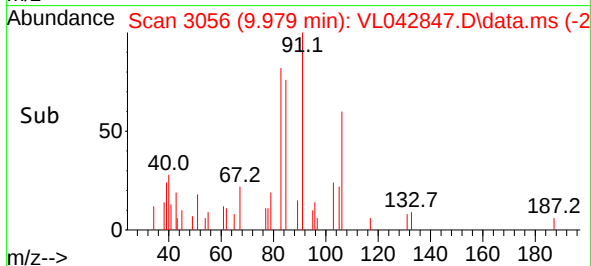
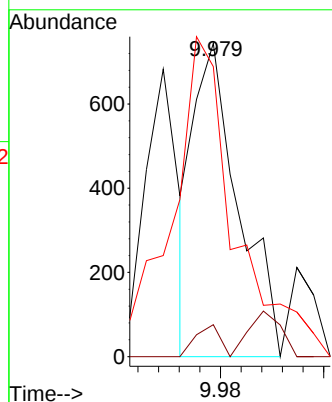
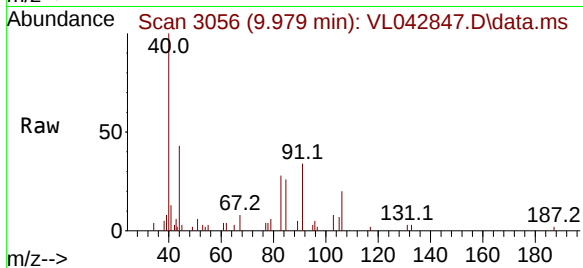
Tgt Ion: 83 Resp: 451

Ion Ratio Lower Upper

83 100

131 0.0 4.8 14.3#

85 154.3 32.3 96.8#



#64

n-propylbenzene

Concen: 0.027 ppbv

RT: 10.998 min Scan# 3371

Delta R.T. 0.003 min

Lab File: VL042847.D

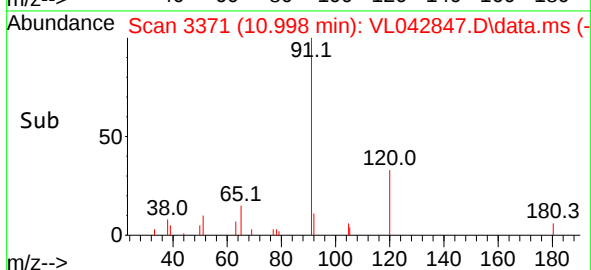
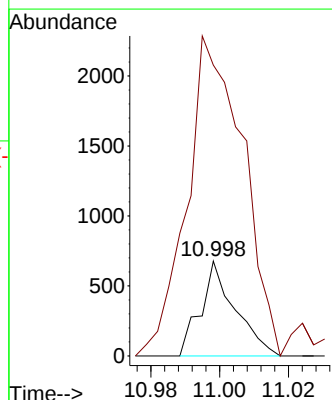
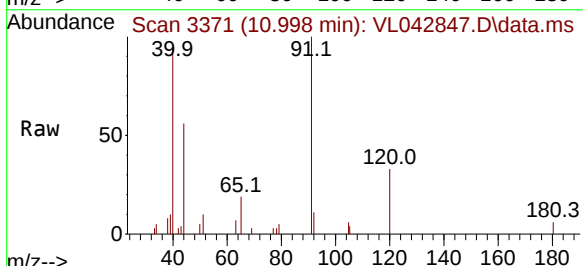
Acq: 13 Aug 2025 11:30

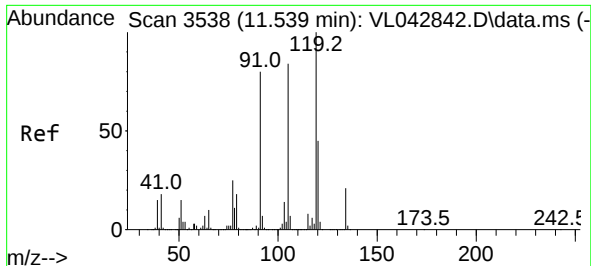
Tgt Ion:120 Resp: 470

Ion Ratio Lower Upper

120 100

91 567.7 375.8 563.6#

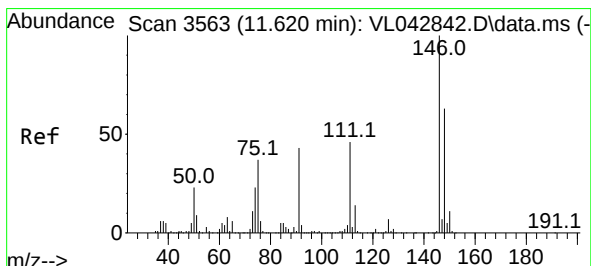
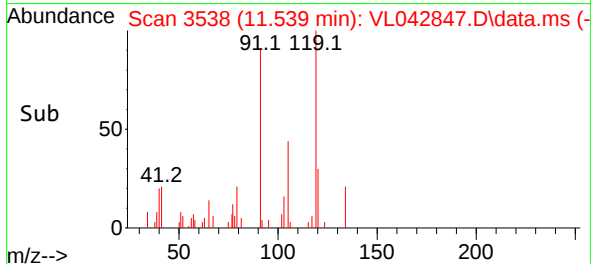
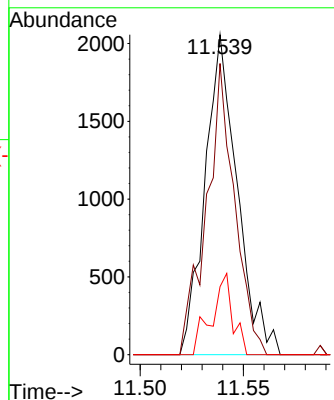
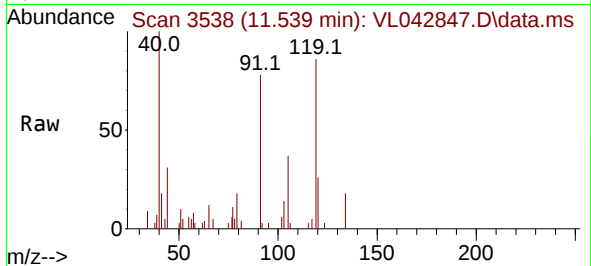




#65
tert-Butylbenzene
Concen: 0.037 ppbv
RT: 11.539 min Scan# 3538
Delta R.T. -0.000 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

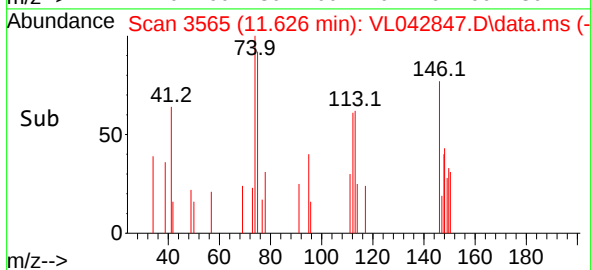
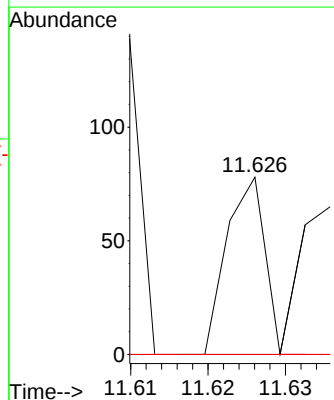
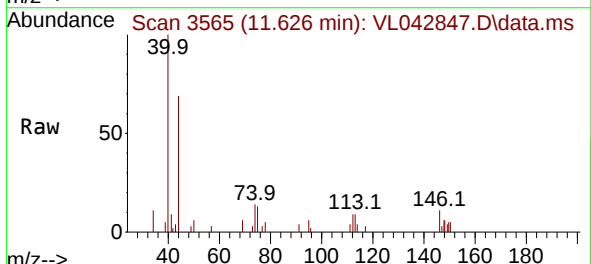
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

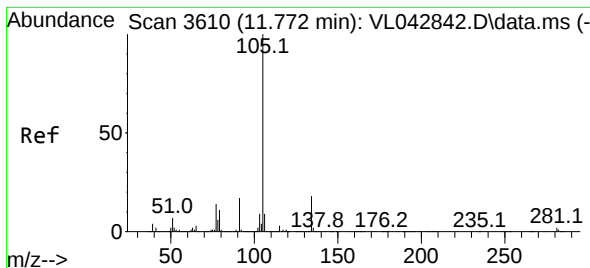
Tgt Ion:119 Resp: 2234
Ion Ratio Lower Upper
119 100
91 79.5 63.9 95.9
134 16.7 17.0 25.4#



#66
Benzyl Chloride
Concen: 0.003 ppbv
RT: 11.626 min Scan# 3565
Delta R.T. 0.006 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

Tgt Ion: 91 Resp: 27
Ion Ratio Lower Upper
91 100
126 0.0 14.2 21.4#
128 0.0 5.0 7.6#





#67

sec-Butylbenzene

Concen: 0.032 ppbv

RT: 11.778 min Scan# 3

Delta R.T. 0.006 min

Lab File: VL042847.D

Acq: 13 Aug 2025 11:30

Instrument :

MSVOA_L

ClientSampleId :

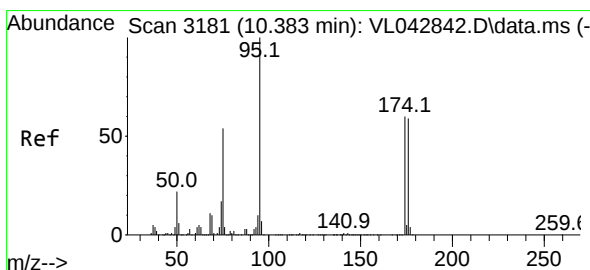
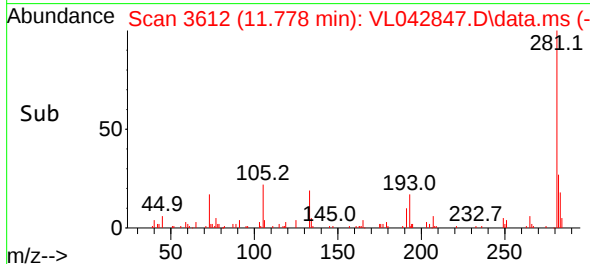
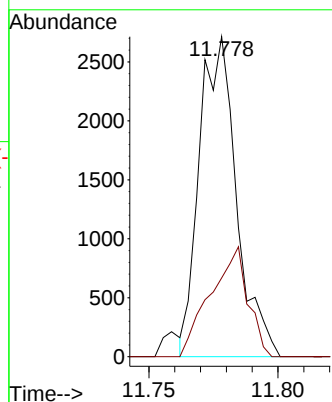
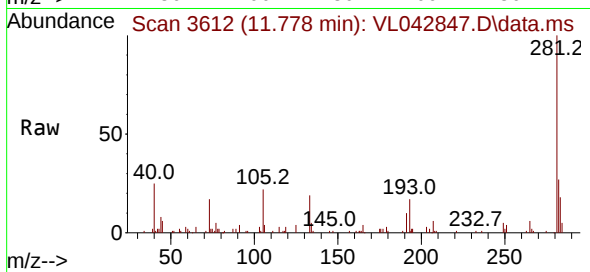
VSTDICC0.03

Tgt Ion:105 Resp: 2703

Ion Ratio Lower Upper

105 100

134 34.8 14.9 22.3#



#68

1-Bromo-4-Fluorobenzene

Concen: 9.816 ppbv

RT: 10.386 min Scan# 3182

Delta R.T. 0.003 min

Lab File: VL042847.D

Acq: 13 Aug 2025 11:30

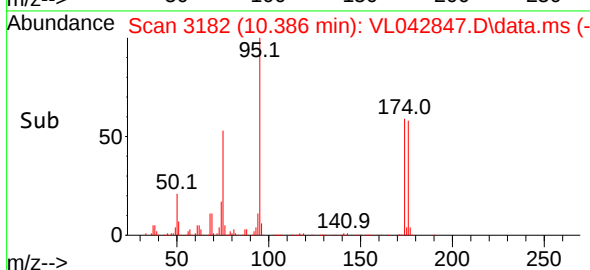
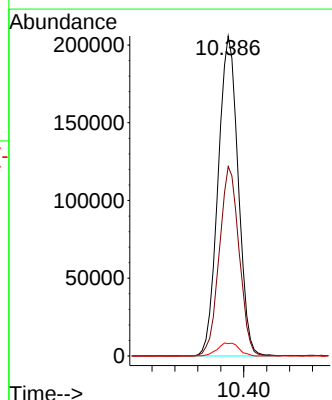
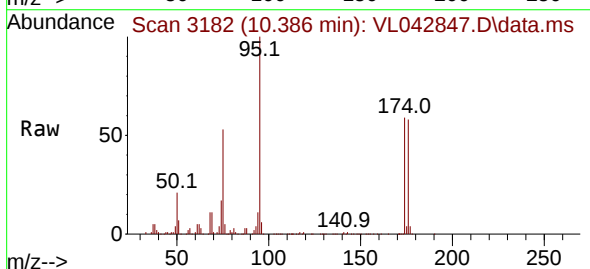
Tgt Ion: 95 Resp: 250082

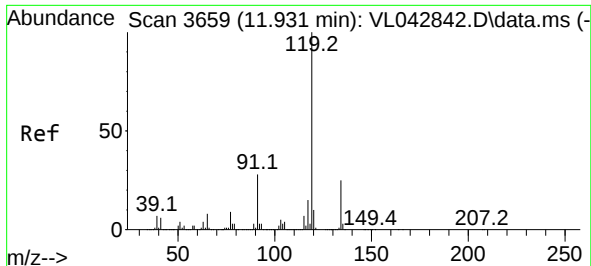
Ion Ratio Lower Upper

95 100

174 58.5 48.4 72.6

175 4.4 3.8 5.8

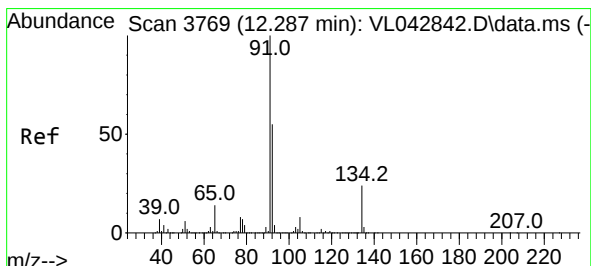
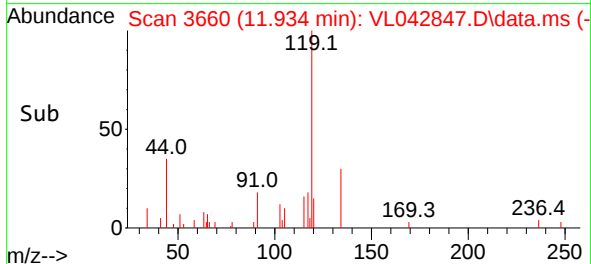
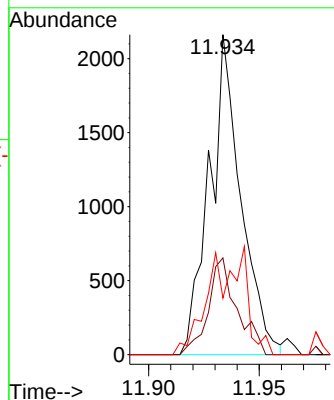
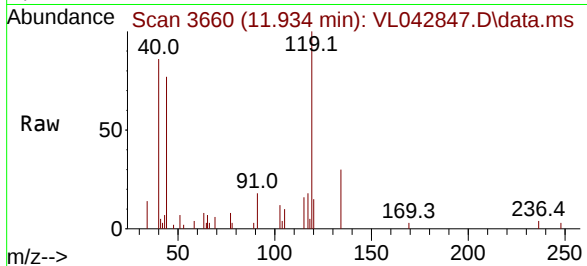




#69
 p-Isopropyltoluene
 Concen: 0.029 ppbv
 RT: 11.934 min Scan# 3660
 Delta R.T. 0.003 min
 Lab File: VL042847.D
 Acq: 13 Aug 2025 11:30

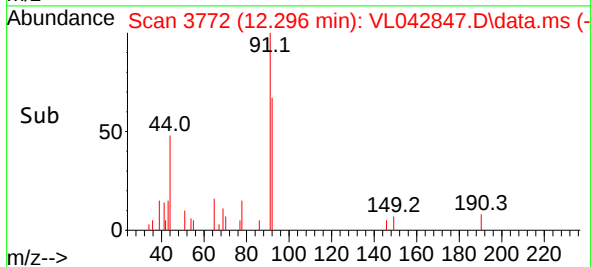
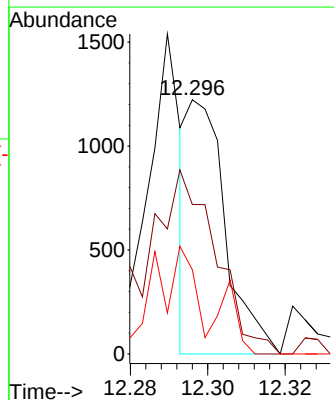
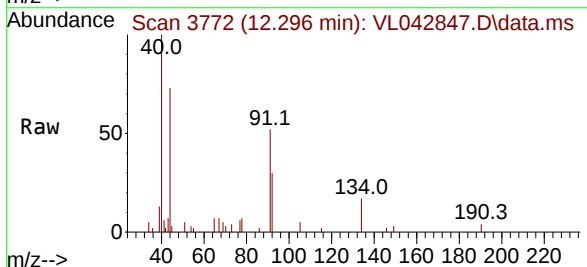
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

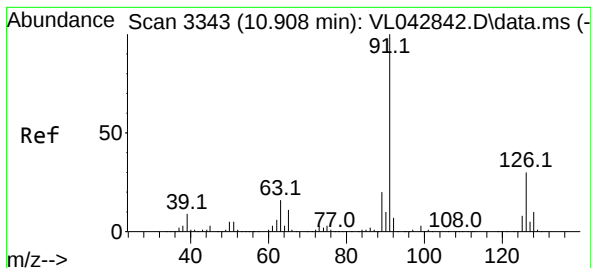
Tgt Ion: 119 Resp: 2136
 Ion Ratio Lower Upper
 119 100
 134 27.7 20.6 30.8
 91 38.2 22.6 34.0#



#70
 n-Butylbenzene
 Concen: 0.011 ppbv
 RT: 12.296 min Scan# 3772
 Delta R.T. 0.009 min
 Lab File: VL042847.D
 Acq: 13 Aug 2025 11:30

Tgt Ion: 91 Resp: 829
 Ion Ratio Lower Upper
 91 100
 92 132.4 44.6 66.8#
 134 60.6 19.0 28.4#

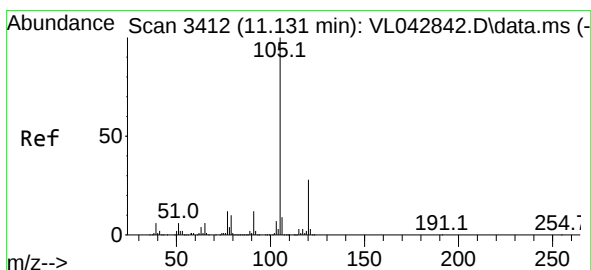
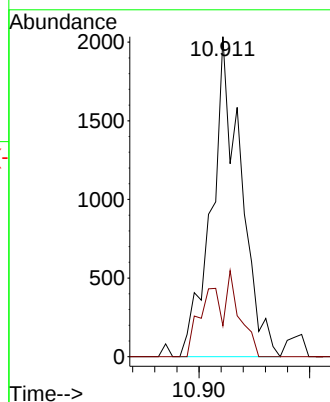
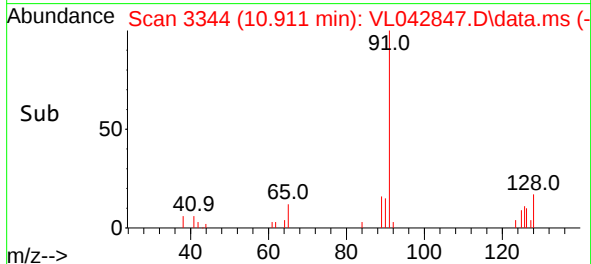
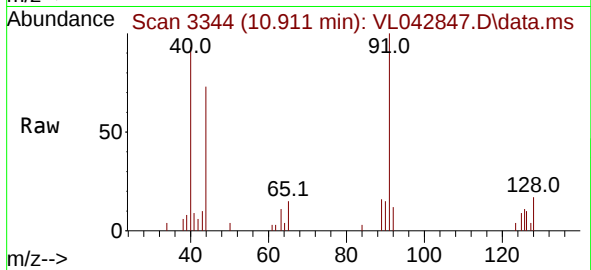




#71
2-Chlorotoluene
Concen: 0.035 ppbv
RT: 10.911 min Scan# 3111
Delta R.T. 0.003 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

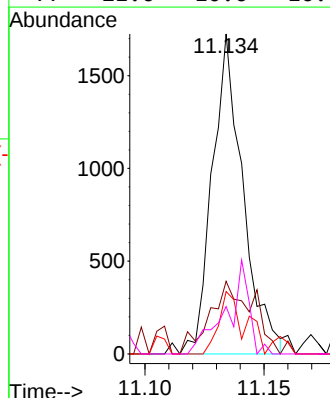
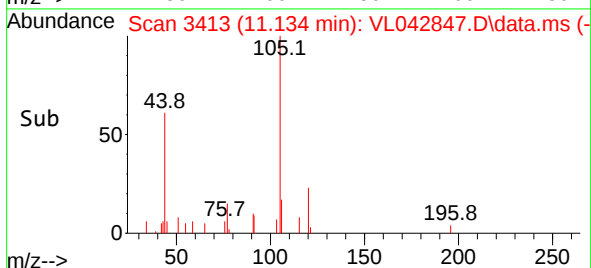
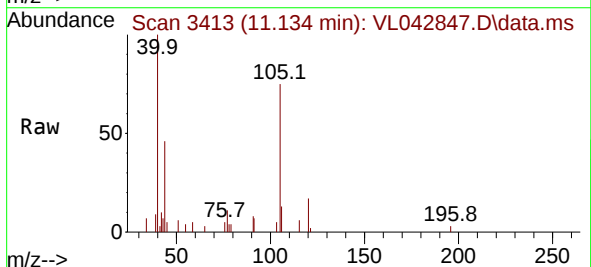
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

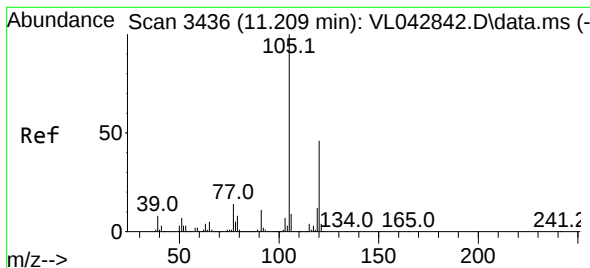
Tgt Ion: 91 Resp: 1870
Ion Ratio Lower Upper
91 100
126 28.4 12.0 47.8



#72
4-Ethyltoluene
Concen: 0.027 ppbv
RT: 11.134 min Scan# 3413
Delta R.T. 0.003 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

Tgt Ion: 105 Resp: 1543
Ion Ratio Lower Upper
105 100
120 37.8 23.4 35.2#
91 21.4 9.8 14.6#
77 21.6 10.6 16.0#





#73

1,3,5-Trimethylbenzene

Concen: 0.035 ppbv

RT: 11.212 min Scan# 3437

Delta R.T. 0.003 min

Lab File: VL042847.D

Acq: 13 Aug 2025 11:30

Instrument :

MSVOA_L

ClientSampleId :

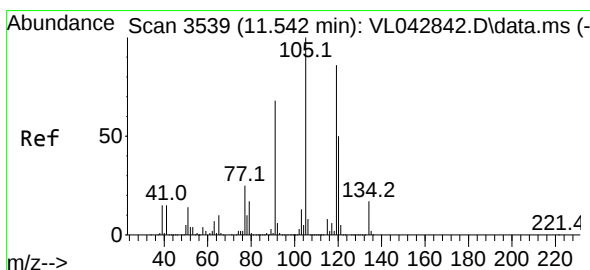
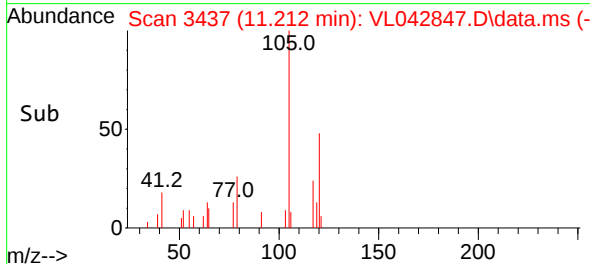
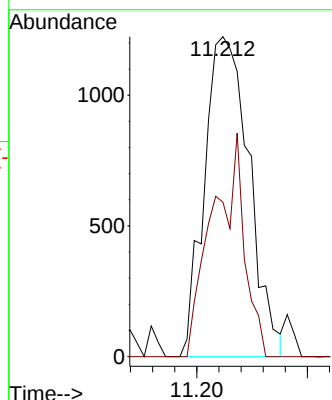
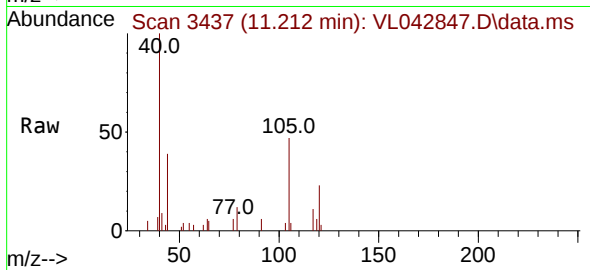
VSTDIC0.03

Tgt Ion:105 Resp: 1716

Ion Ratio Lower Upper

105 100

120 48.3 36.6 54.8



#74

1,2,4-Trimethylbenzene

Concen: 0.030 ppbv

RT: 11.545 min Scan# 3540

Delta R.T. 0.003 min

Lab File: VL042847.D

Acq: 13 Aug 2025 11:30

Tgt Ion:105 Resp: 1610

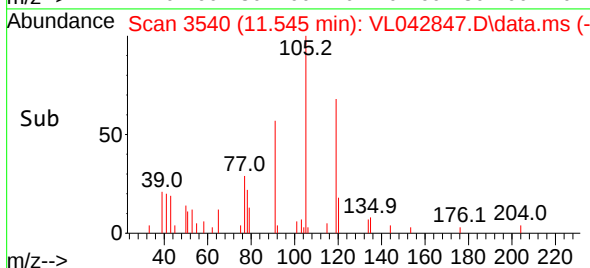
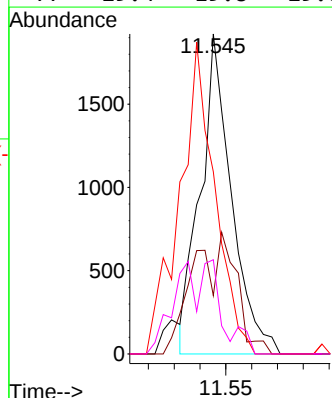
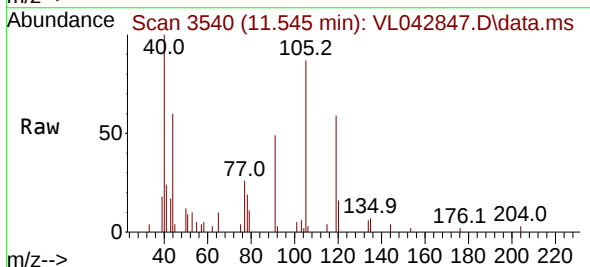
Ion Ratio Lower Upper

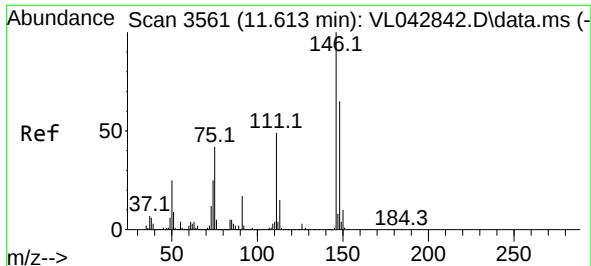
105 100

120 18.3 39.8 59.6#

91 56.9 54.2 81.4

77 29.4 19.8 29.6

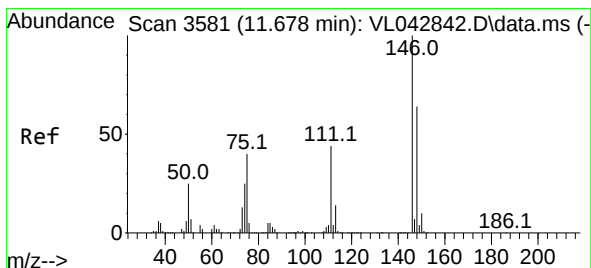
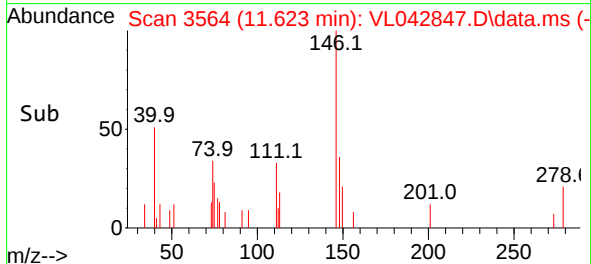
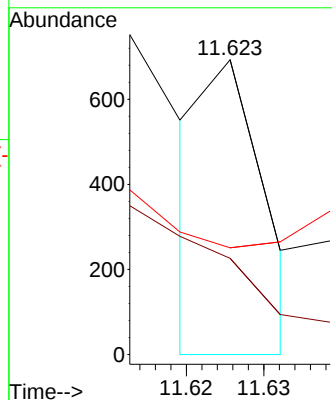
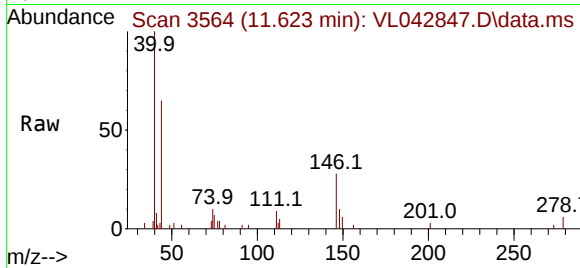




#75
1,3-Dichlorobenzene
Concen: 0.006 ppbv
RT: 11.623 min Scan# 3561
Delta R.T. 0.009 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

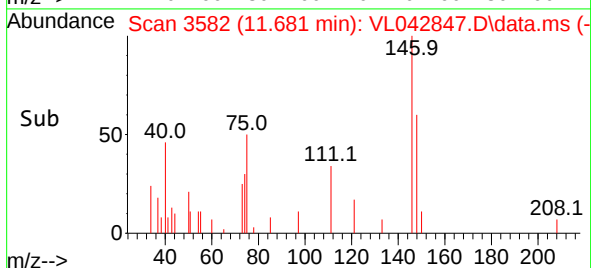
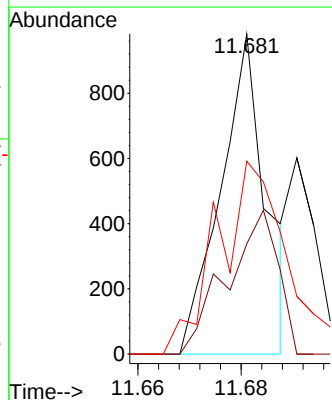
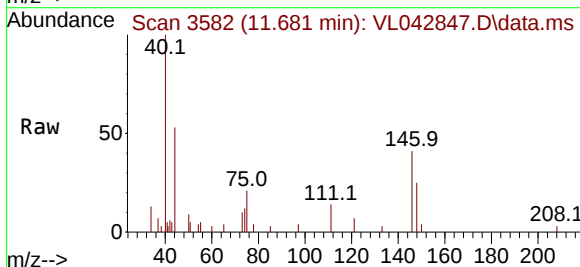
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

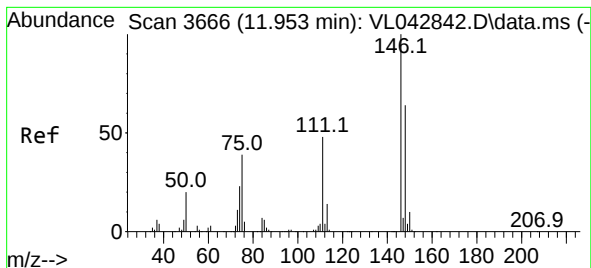
Tgt Ion:146 Resp: 182
Ion Ratio Lower Upper
146 100
111 0.0 23.9 71.7#
148 0.0 31.4 94.0#



#76
1,4-Dichlorobenzene
Concen: 0.019 ppbv
RT: 11.681 min Scan# 3582
Delta R.T. 0.003 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

Tgt Ion:146 Resp: 596
Ion Ratio Lower Upper
146 100
111 58.2 22.7 68.1
148 92.8 31.8 95.3





#77

1,2-Dichlorobenzene

Concen: 0.024 ppbv

RT: 11.953 min Scan# 3

Delta R.T. -0.000 min

Lab File: VL042847.D

Acq: 13 Aug 2025 11:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.03

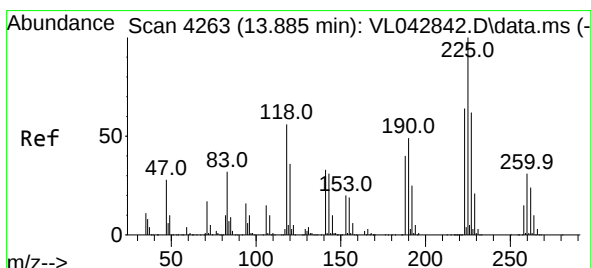
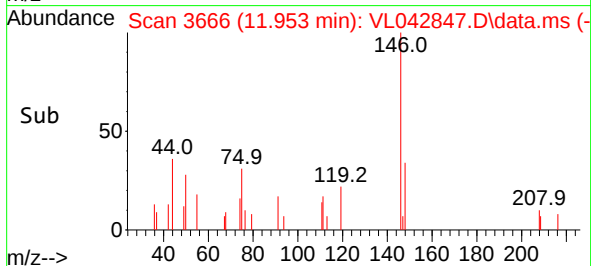
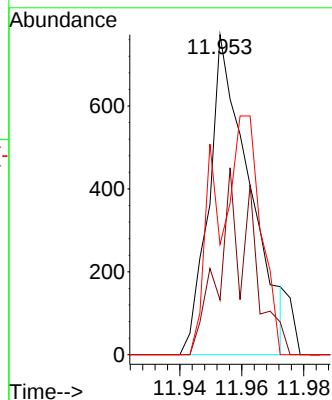
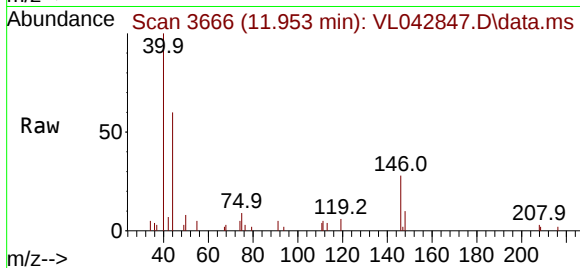
Tgt Ion:146 Resp: 701

Ion Ratio Lower Upper

146 100

111 46.9 24.6 74.0

148 80.2 32.0 96.0



#78

Hexachloro-1,3-Butadiene

Concen: 0.030 ppbv

RT: 13.888 min Scan# 4264

Delta R.T. 0.003 min

Lab File: VL042847.D

Acq: 13 Aug 2025 11:30

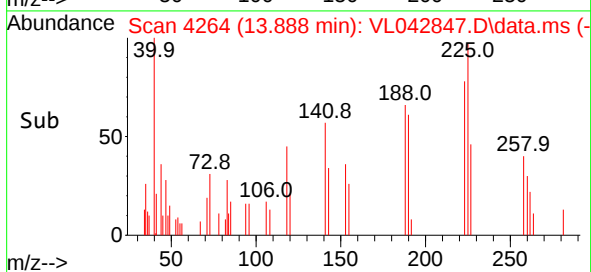
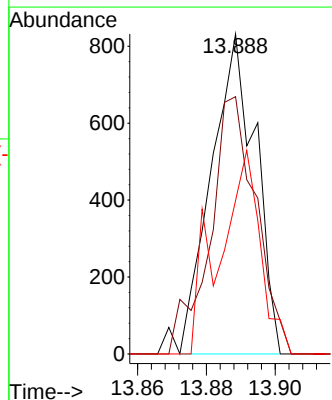
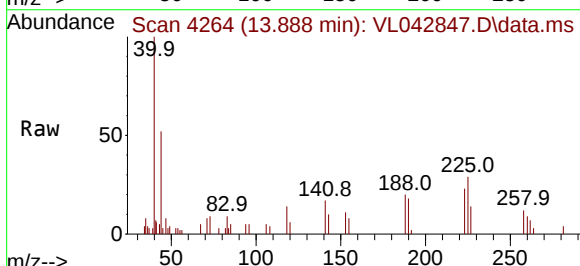
Tgt Ion:225 Resp: 744

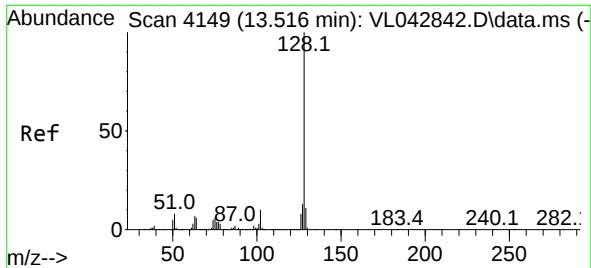
Ion Ratio Lower Upper

225 100

223 83.6 51.4 77.2#

227 59.5 51.9 77.9

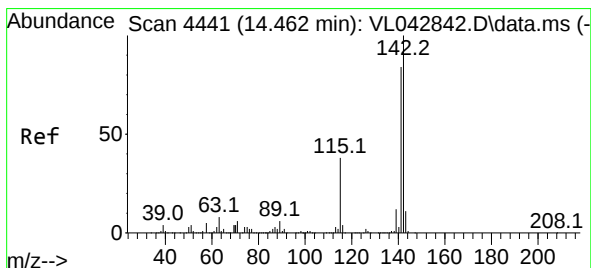
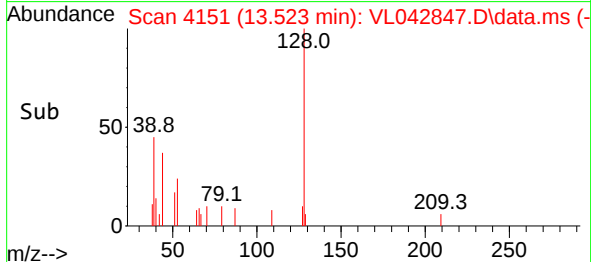
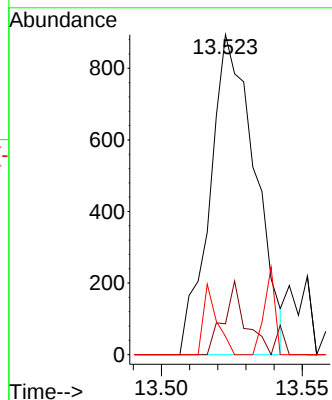
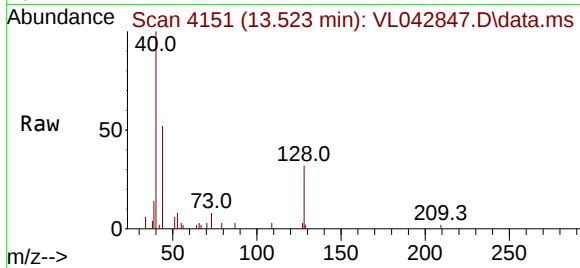




#79
Naphthalene
Concen: 0.021 ppbv
RT: 13.523 min Scan# 4149
Delta R.T. 0.006 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

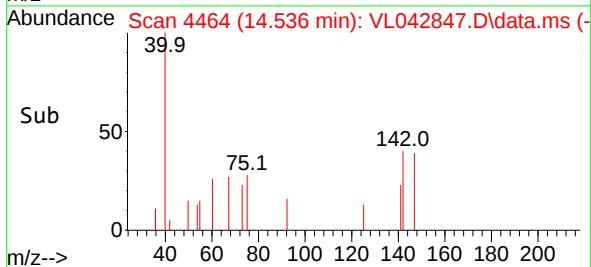
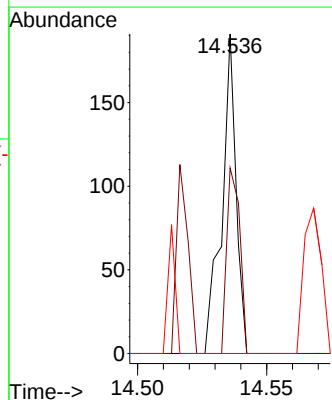
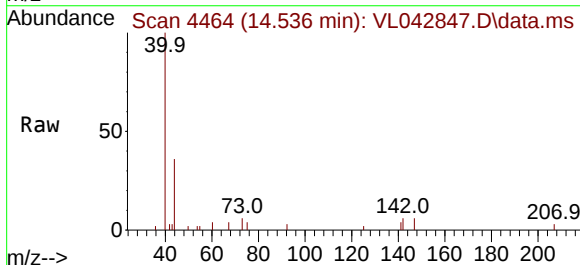
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

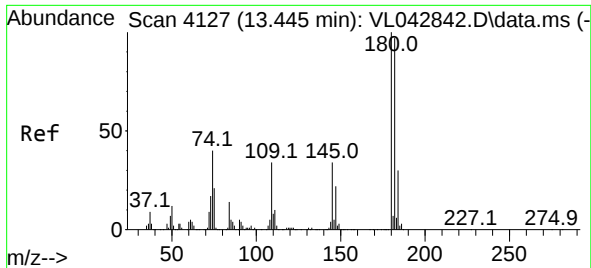
Tgt Ion:128 Resp: 998
Ion Ratio Lower Upper
128 100
127 9.1 10.6 16.0#
129 5.4 8.9 13.3#



#80
Naphthalene,2-methyl-
Concen: 0.004 ppbv
RT: 14.536 min Scan# 4464
Delta R.T. 0.074 min
Lab File: VL042847.D
Acq: 13 Aug 2025 11:30

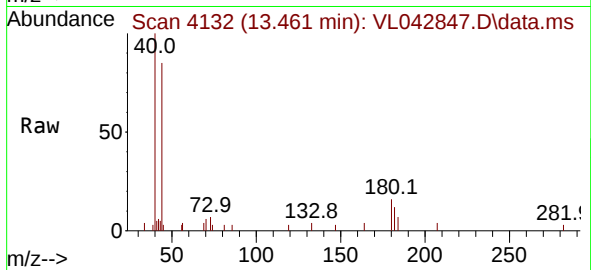
Tgt Ion:142 Resp: 73
Ion Ratio Lower Upper
142 100
141 101.4 67.0 100.6#
115 56.2 30.9 46.3#





#81
 1,2,4-Trichlorobenzene
 Concen: 0.005 ppbv
 RT: 13.461 min Scan# 41
 Delta R.T. 0.016 min
 Lab File: VL042847.D
 Acq: 13 Aug 2025 11:30

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03



Tgt Ion:	180	Resp:	114
Ion	Ratio	Lower	Upper
180	100		
182	352.6	76.9	115.3#
184	0.0	24.5	36.7#

