

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
 Data File : VL042748.D
 Acq On : 23 Jul 2025 09:34
 Operator : SY/MD
 Sample : VSTDICC002
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002

Quant Time: Jul 24 04:56:50 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Jul 24 04:55:41 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.780	49	158575	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.949	114	457804	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	410740	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.370	95	330476	10.160	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.600%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.495	85	43675	2.083	ppbv	98
3) Chlorodifluoromethane	1.473	51	56214	2.058	ppbv	99
4) Chloromethane	1.531	50	16834	1.985	ppbv	100
5) Vinyl Chloride	1.576	62	15384	1.836	ppbv	92
6) Bromomethane	1.664	94	5754	1.776	ppbv	83
7) Chloroethane	1.703	64	6001	1.853	ppbv	93
8) Dichlorotetrafluoroethane	1.554	85	35629	2.066	ppbv	100
9) Propene	1.483	41	21592	2.175	ppbv	97
10) Heptane	4.965	43	28682	1.074	ppbv #	32
11) Trichlorofluoromethane	1.874	101	44770	2.072	ppbv	95
12) 1,1,2-Trichlorotrifluo...	2.136	101	33910	2.065	ppbv	99
13) Ethanol	1.719	45	2321	2.155	ppbv	78
14) Bromoethene	1.780	108	12078	2.077	ppbv #	96
15) Acetone	1.832	43	48226	2.202	ppbv	100
16) 1,3-Butadiene	1.606	39	18504	1.981	ppbv	96
17) tert-Butyl alcohol	2.036	59	40135	2.032	ppbv #	93
18) 1,1-Dichloroethene	2.030	96	14381	1.938	ppbv	93
19) Isopropyl Alcohol	1.884	45	23028	1.979	ppbv #	75
20) Methylene Chloride	2.059	84	13296	1.927	ppbv	97
21) Allyl Chloride	2.091	41	27789	2.059	ppbv	97
22) trans-1,2-Dichloroethene	2.030	96	14381	1.804	ppbv	91
23) Vinyl Acetate	2.457	43	53544	2.017	ppbv #	98
24) 1,1-Dichloroethane	2.405	63	33969	2.073	ppbv	99
25) Ethyl Acetate	2.832	43	101853	2.101	ppbv	99
26) Hexane	2.822	57	45446	2.137	ppbv	99
27) Carbon Disulfide	2.146	76	36945	2.030	ppbv #	36
28) Methyl tert-Butyl Ether	2.437	73	20603	2.051	ppbv	96
29) Chloroform	2.842	83	67755	2.062	ppbv	97
30) Cyclohexane	3.845	84	19383	1.075	ppbv #	1
31) cis-1,2-Dichloroethene	2.716	61	44860	2.053	ppbv	96
32) 1,1,1-Trichloroethane	3.363	97	67608	1.976	ppbv	98
34) 2-Butanone	2.551	43	69674	2.149	ppbv	99
35) Carbon Tetrachloride	3.755	117	67338	1.979	ppbv	97
36) Benzene	3.648	78	91141	2.101	ppbv	94
37) 1,2-Dichloroethane	3.211	62	53482	2.046	ppbv	98
38) Trichloroethene	4.538	130	40713	1.946	ppbv	90
39) 1,2-Dichloropropane	4.305	63	33225	2.075	ppbv	94
40) 1,4-Dioxane	4.583	88	14747	1.953	ppbv #	69
41) Tetrahydrofuran	3.052	42	33618	2.064	ppbv	94
42) Bromodichloromethane	4.480	83	69093	2.028	ppbv	94
43) Methyl Methacrylate	4.871	69	30336	1.967	ppbv	95
44) 2,2,4-Trimethylpentane	4.632	57	149588	2.115	ppbv	99
45) t-1,3-Dichloropropene	6.399	75	16554	0.957	ppbv	94

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
 Data File : VL042748.D
 Acq On : 23 Jul 2025 09:34
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 Sample : VSTDICC002
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

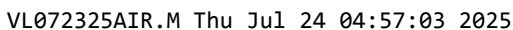
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 ClientSampleId :
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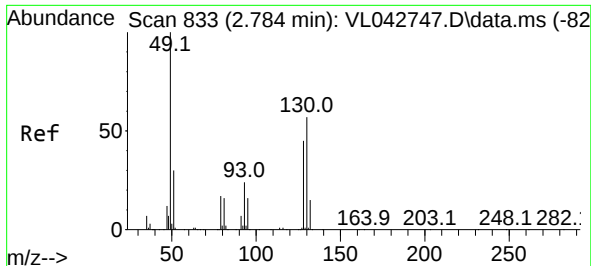
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Jul 24 04:55:41 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.583	75	23760	1.084	ppbv	95
47) 1,1,2-Trichloroethane	6.567	97	16867	0.988	ppbv	94
48) Dibromochloromethane	7.380	129	54906	2.026	ppbv	96
49) Bromoform	9.477	173	47340	2.003	ppbv	96
50) 4-Methyl-2-Pentanone	5.742	43	39913	0.966	ppbv #	28
51) 2-Hexanone	7.431	43	68093	2.157	ppbv #	99
52) Tetrachloroethene	8.215	164	34568	1.917	ppbv	94
53) Toluene	6.923	91	98346	2.111	ppbv	100
54) 1,2-Dibromoethane	7.645	107	49346	2.042	ppbv	91
56) 1,1,1,2-Tetrachloroethane	8.920	131	44409	2.079	ppbv	92
57) Chlorobenzene	8.914	112	83503	2.101	ppbv #	92
58) Ethyl Benzene	9.348	91	143251	2.208	ppbv	97
59) m/p-Xylene	9.545	91	91147	1.758	ppbv #	30
60) o-Xylene	9.956	91	113462	2.190	ppbv	99
61) Styrene	9.865	104	45351	2.081	ppbv	100
62) Isopropylbenzene	10.535	105	167108	2.187	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.959	83	65928	1.954	ppbv	100
64) n-propylbenzene	10.982	120	43789	2.198	ppbv	98
65) tert-Butylbenzene	11.526	119	151081	2.226	ppbv	98
66) Benzyl Chloride	11.610	91	10485	1.882	ppbv	98
67) sec-Butylbenzene	11.762	105	212925	2.206	ppbv	99
69) p-Isopropyltoluene	11.921	119	175553	2.230	ppbv	99
70) n-Butylbenzene	12.277	91	171675	2.258	ppbv	99
71) 2-Chlorotoluene	10.898	91	125039	2.134	ppbv	98
72) 4-Ethyltoluene	11.121	105	134097	2.168	ppbv	98
73) 1,3,5-Trimethylbenzene	11.199	105	108055	2.122	ppbv	97
74) 1,2,4-Trimethylbenzene	11.532	105	122295	2.201	ppbv	95
75) 1,3-Dichlorobenzene	11.600	146	85254	2.188	ppbv	99
76) 1,4-Dichlorobenzene	11.665	146	83440	2.189	ppbv	99
77) 1,2-Dichlorobenzene	11.943	146	82311	2.150	ppbv	99
78) Hexachloro-1,3-Butadiene	13.876	225	78291	2.259	ppbv	99
79) Naphthalene	13.510	128	79191	1.690	ppbv	98
80) Naphthalene,2-methyl-	14.455	142	5851	1.298	ppbv	90
81) 1,2,4-Trichlorobenzene	13.435	180	51515	1.888	ppbv	99

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

Quant Time: Jul 24 04:56:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
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QLast Update : Thu Jul 24 04:55:41 2025
Response via : Initial Calibration

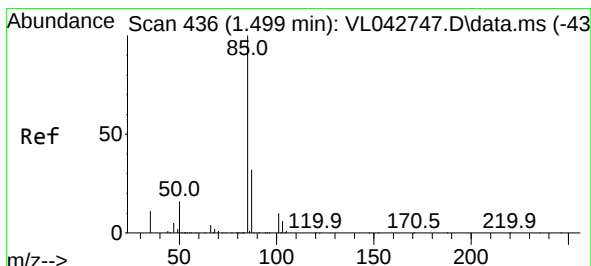
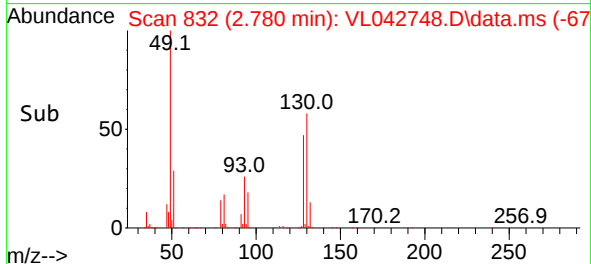
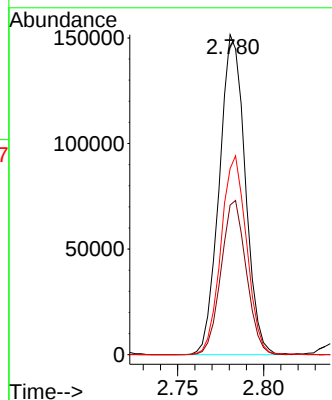
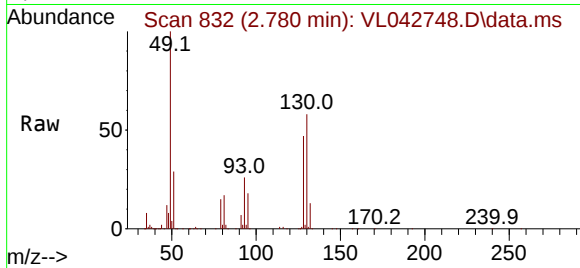




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 2.780 min Scan# 81
 Delta R.T. -0.004 min
 Lab File: VL042748.D
 Acq: 23 Jul 2025 09:34

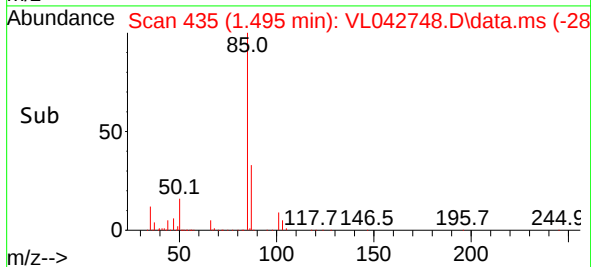
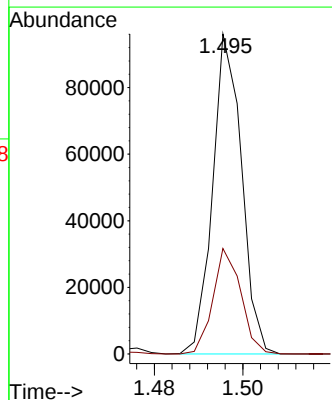
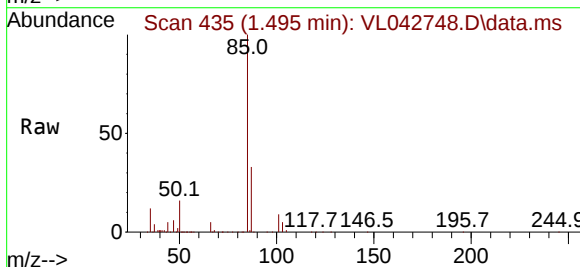
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

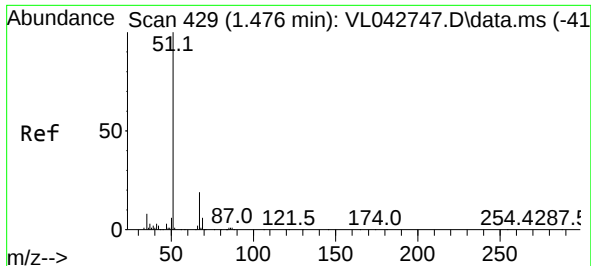
Tgt Ion: 49 Resp: 158575
 Ion Ratio Lower Upper
 49 100
 128 47.0 23.6 71.0
 130 61.6 30.3 90.8



#2
 Dichlorodifluoromethane
 Concen: 2.083 ppbv
 RT: 1.495 min Scan# 435
 Delta R.T. -0.003 min
 Lab File: VL042748.D
 Acq: 23 Jul 2025 09:34

Tgt Ion: 85 Resp: 43675
 Ion Ratio Lower Upper
 85 100
 87 33.0 25.4 38.2

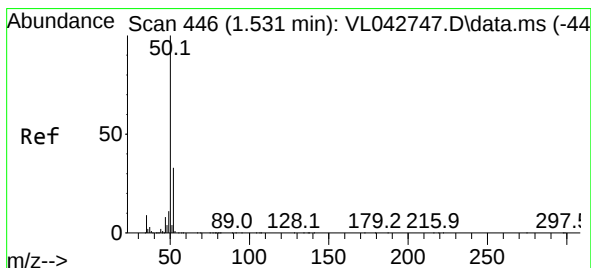
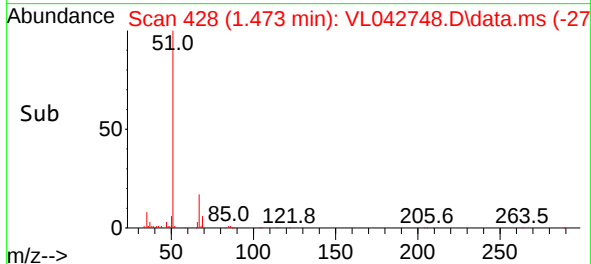
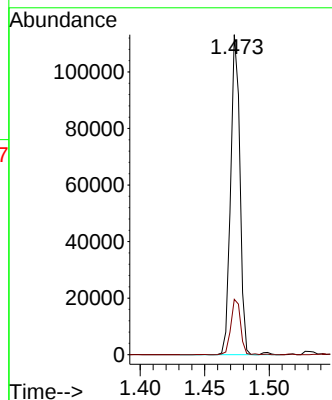
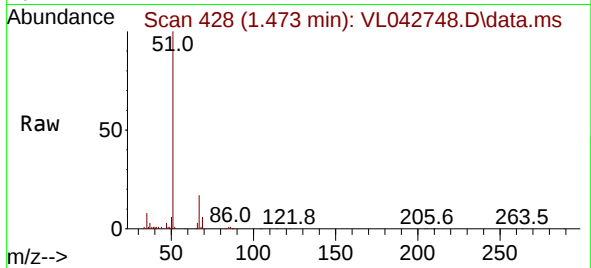




#3
Chlorodifluoromethane
Concen: 2.058 ppbv
RT: 1.473 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

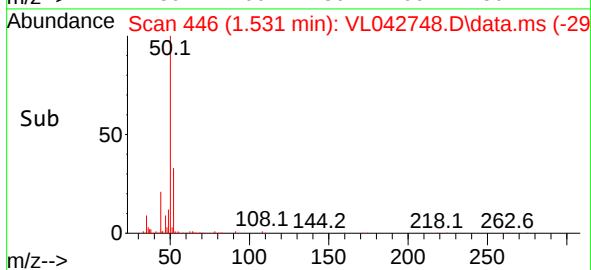
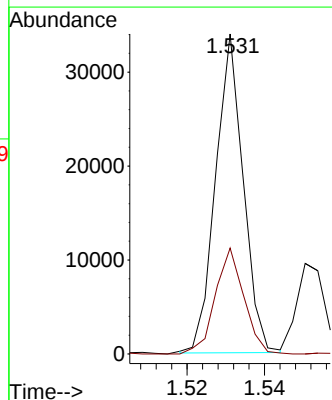
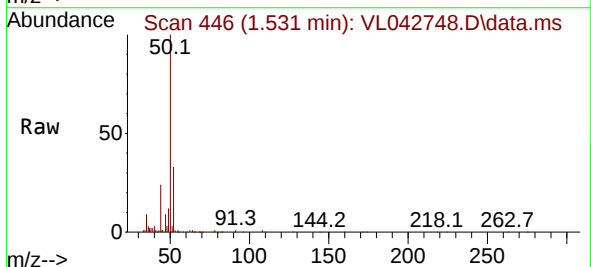
Instrument :
MSVOA_L
ClientSampleId :
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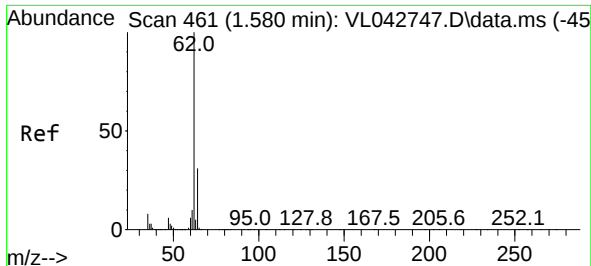
Tgt Ion: 51 Resp: 56214
Ion Ratio Lower Upper
51 100
67 18.3 15.0 22.6



#4
Chloromethane
Concen: 1.985 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 50 Resp: 16834
Ion Ratio Lower Upper
50 100
52 33.1 26.6 40.0

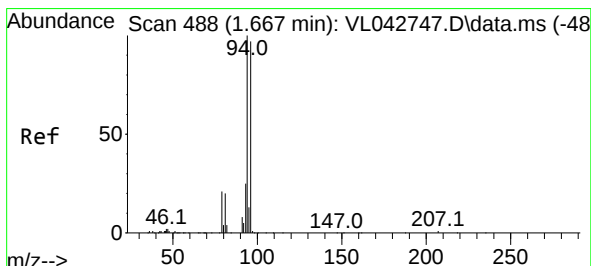
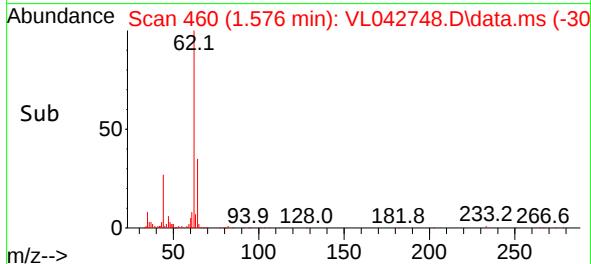
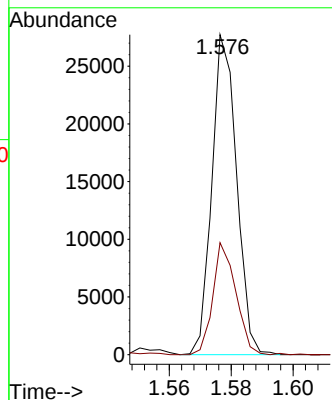
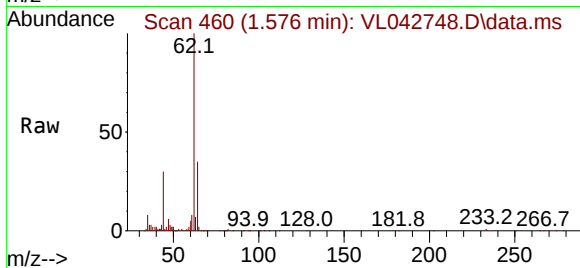




#5
 Vinyl Chloride
 Concen: 1.836 ppbv
 RT: 1.576 min Scan# 460
 Delta R.T. -0.003 min
 Lab File: VL042748.D
 Acq: 23 Jul 2025 09:34

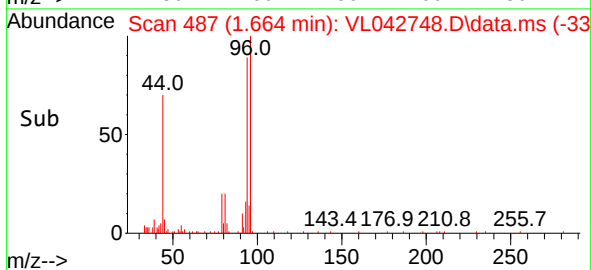
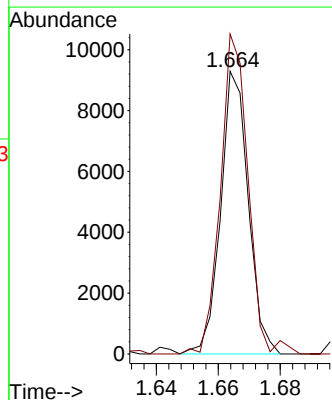
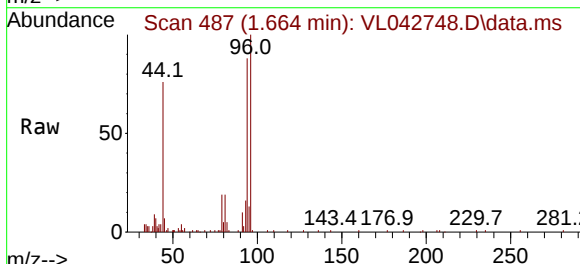
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC002

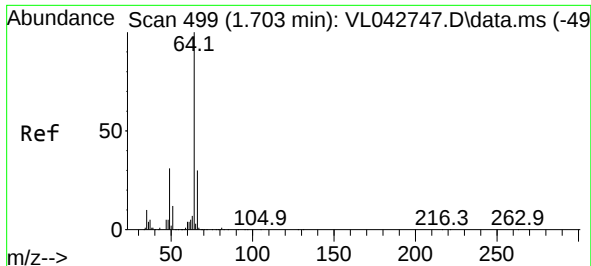
Tgt Ion: 62 Resp: 15384
 Ion Ratio Lower Upper
 62 100
 64 35.0 24.5 36.7



#6
 Bromomethane
 Concen: 1.776 ppbv
 RT: 1.664 min Scan# 487
 Delta R.T. -0.003 min
 Lab File: VL042748.D
 Acq: 23 Jul 2025 09:34

Tgt Ion: 94 Resp: 5754
 Ion Ratio Lower Upper
 94 100
 96 113.3 77.6 116.4

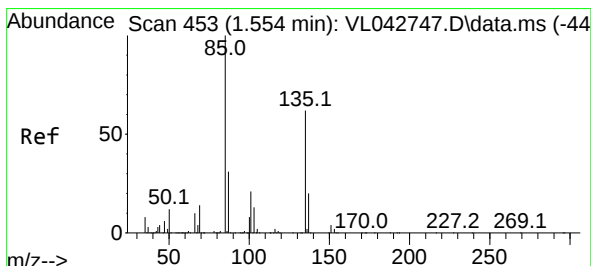
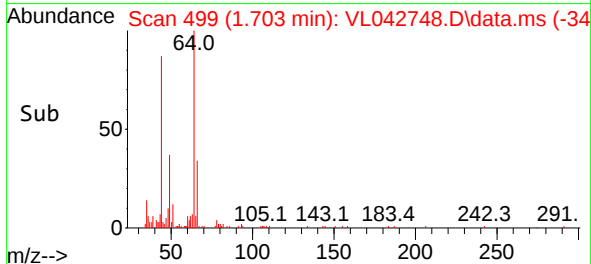
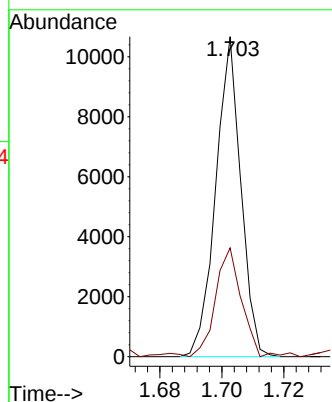
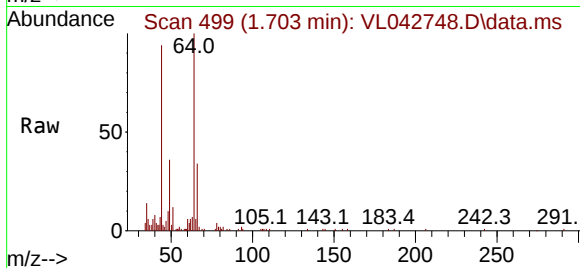




#7
Chloroethane
Concen: 1.853 ppbv
RT: 1.703 min Scan# 499
Delta R.T. -0.000 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

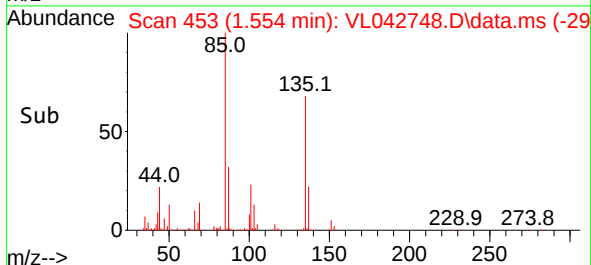
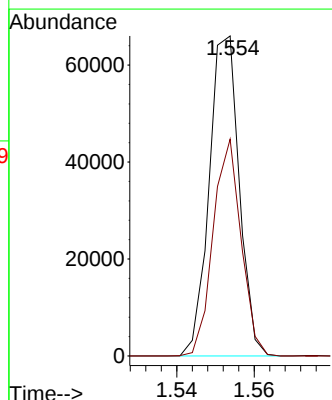
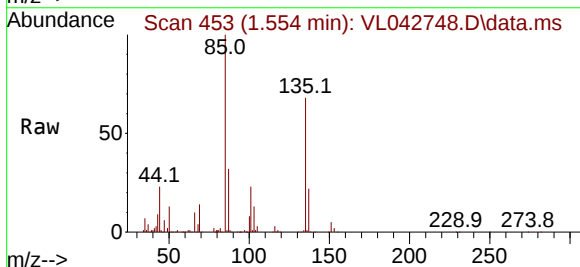
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ClientSampleId :
VSTDICC002

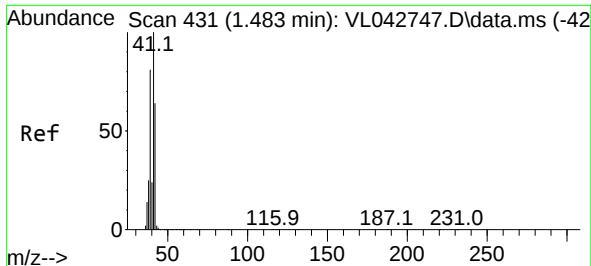
Tgt Ion: 64 Resp: 6001
Ion Ratio Lower Upper
64 100
66 34.0 24.1 36.1



#8
Dichlorotetrafluoroethane
Concen: 2.066 ppbv
RT: 1.554 min Scan# 453
Delta R.T. -0.000 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 85 Resp: 35629
Ion Ratio Lower Upper
85 100
135 63.0 50.6 76.0





#9

Propene

Concen: 2.175 ppbv

RT: 1.483 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL042748.D

Acq: 23 Jul 2025 09:34

Instrument :

MSVOA_L

ClientSampleId :

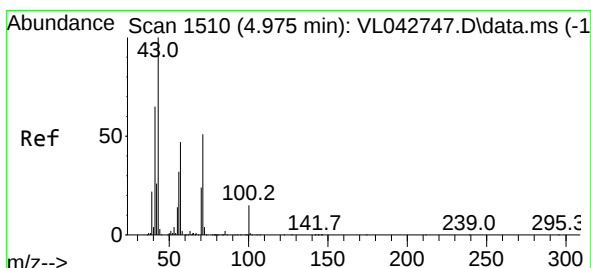
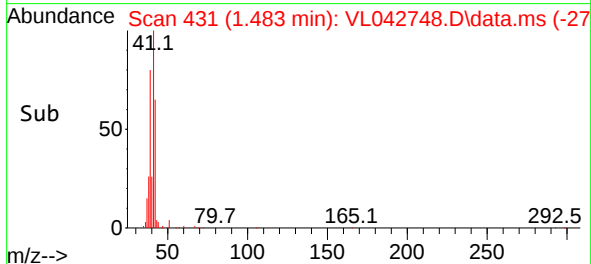
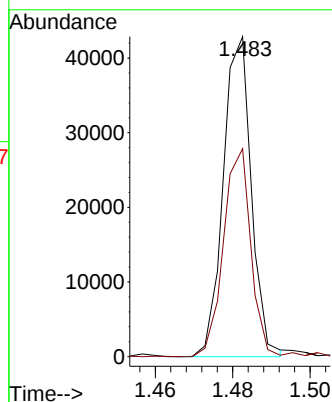
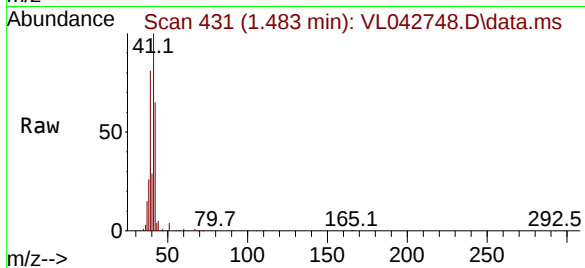
VSTDIC002

Tgt Ion: 41 Resp: 21592

Ion Ratio Lower Upper

41 100

42 64.5 53.2 79.8



#10

Heptane

Concen: 1.074 ppbv

RT: 4.965 min Scan# 1507

Delta R.T. -0.010 min

Lab File: VL042748.D

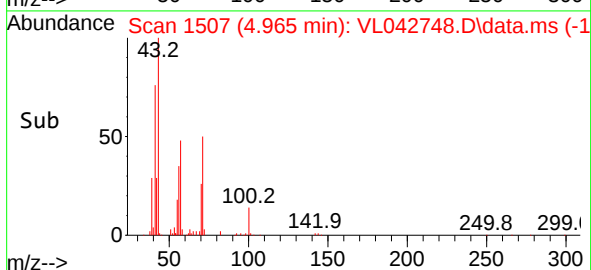
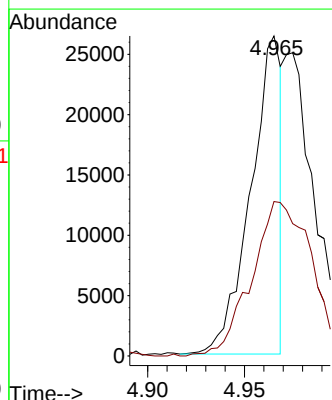
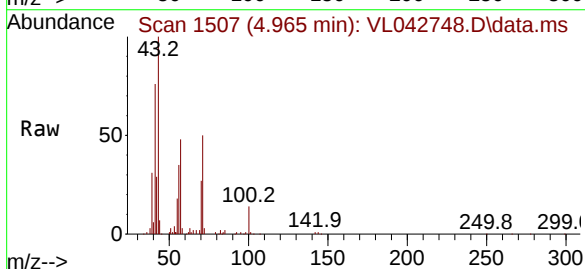
Acq: 23 Jul 2025 09:34

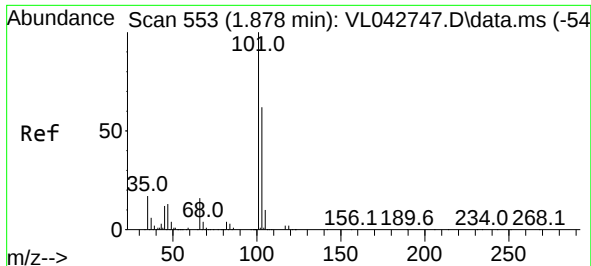
Tgt Ion: 43 Resp: 28682

Ion Ratio Lower Upper

43 100

57 97.0 39.9 59.9#

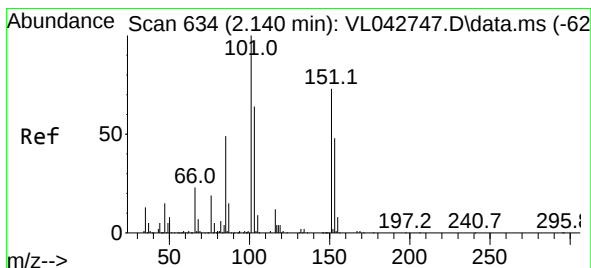
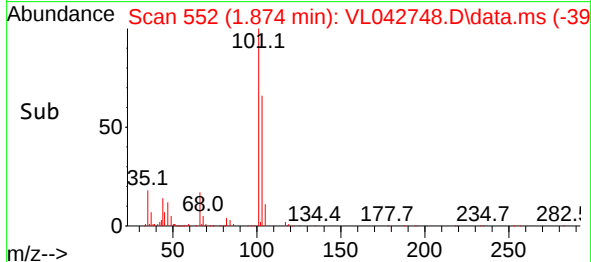
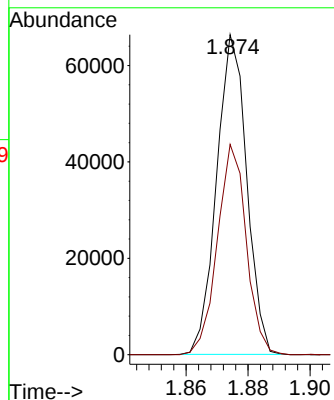
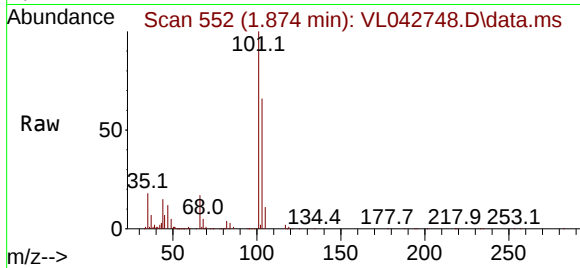




#11
 Trichlorofluoromethane
 Concen: 2.072 ppbv
 RT: 1.874 min Scan# 511
 Delta R.T. -0.003 min
 Lab File: VL042748.D
 Acq: 23 Jul 2025 09:34

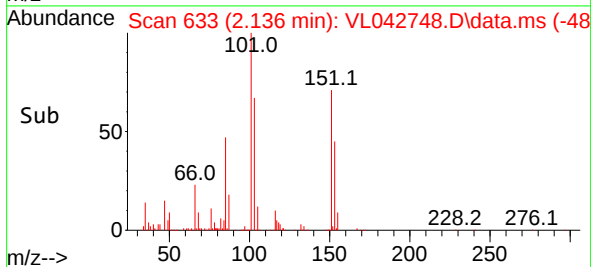
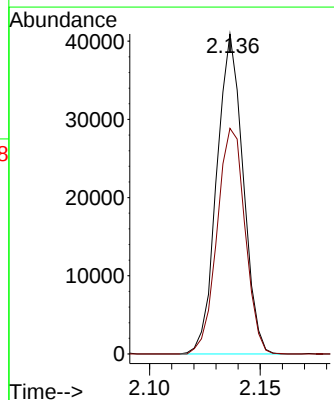
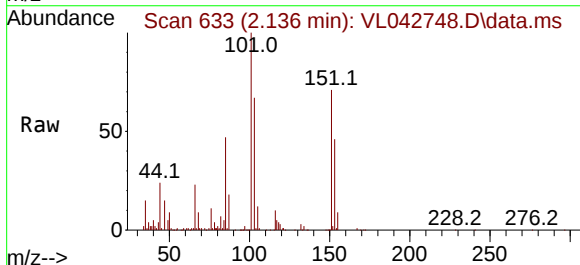
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tgt Ion:101 Resp: 44770
 Ion Ratio Lower Upper
 101 100
 103 65.8 49.6 74.4



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 2.065 ppbv
 RT: 2.136 min Scan# 633
 Delta R.T. -0.003 min
 Lab File: VL042748.D
 Acq: 23 Jul 2025 09:34

Tgt Ion:101 Resp: 33910
 Ion Ratio Lower Upper
 101 100
 151 74.9 60.5 90.7

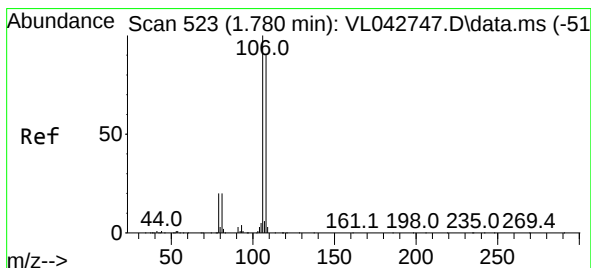
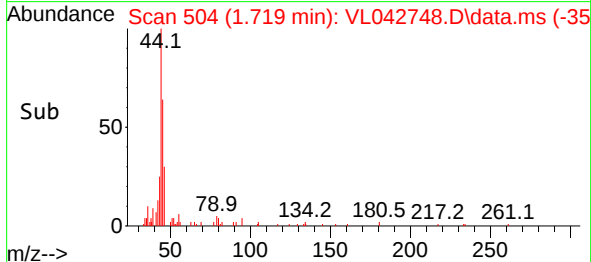
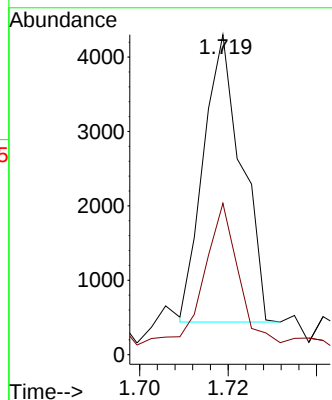
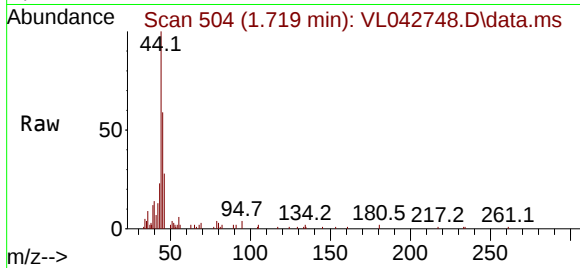




#13
Ethanol
Concen: 2.155 ppbv
RT: 1.719 min Scan# 504
Delta R.T. -0.000 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

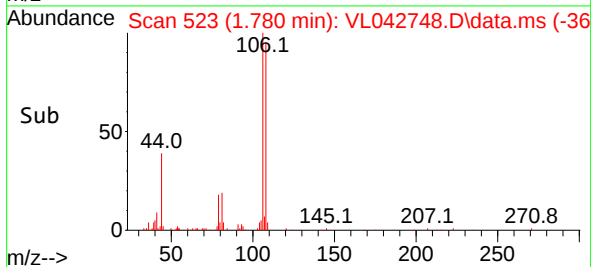
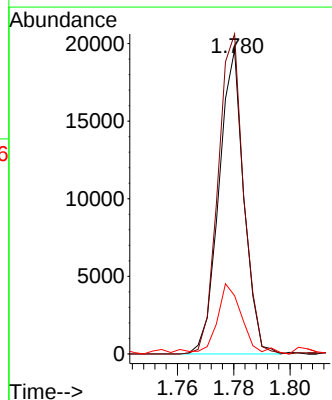
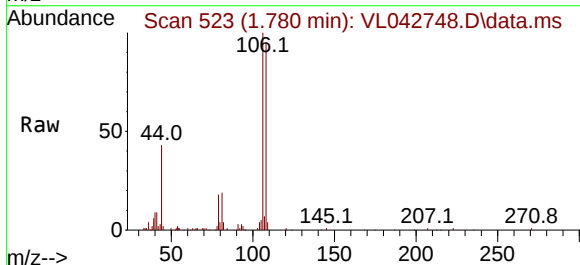
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC002

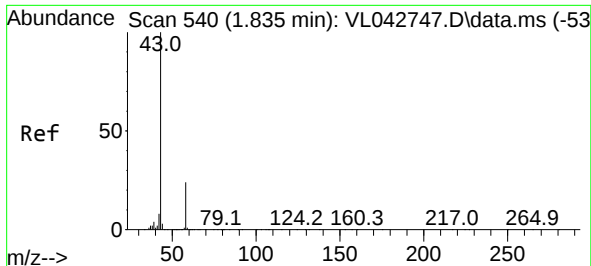
Tgt Ion: 45 Resp: 2321
Ion Ratio Lower Upper
45 100
46 58.7 17.8 71.4



#14
Bromoethene
Concen: 2.077 ppbv
RT: 1.780 min Scan# 523
Delta R.T. -0.000 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 108 Resp: 12078
Ion Ratio Lower Upper
108 100
106 107.6 84.7 127.1
79 29.2 17.4 26.2#

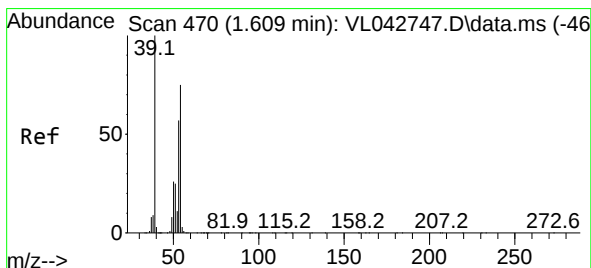
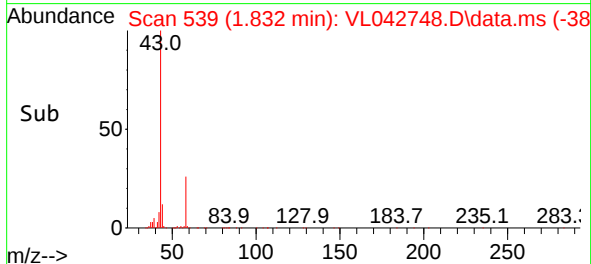
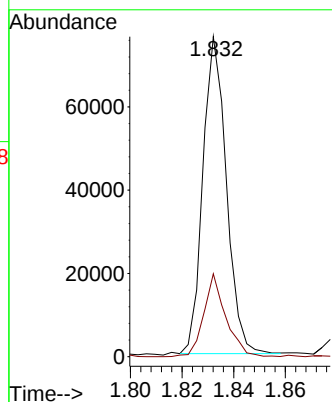
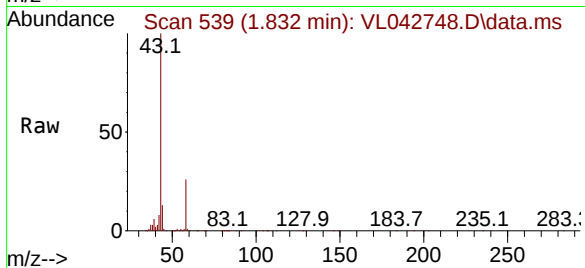




#15
Acetone
Concen: 2.202 ppbv
RT: 1.832 min Scan# 51
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

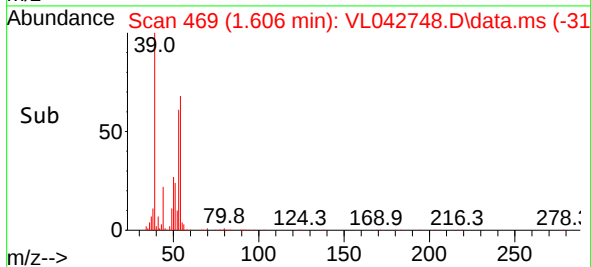
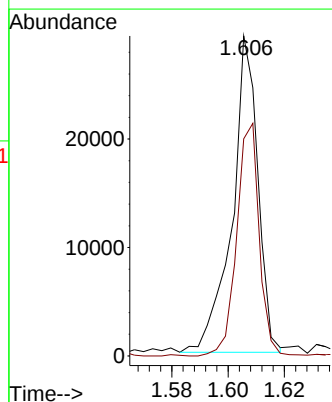
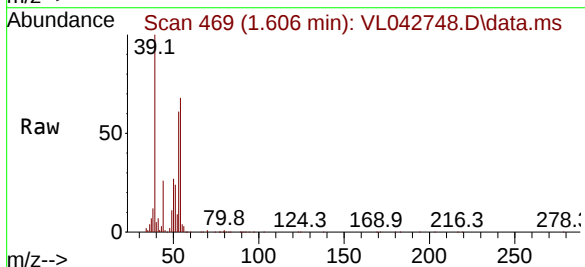
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

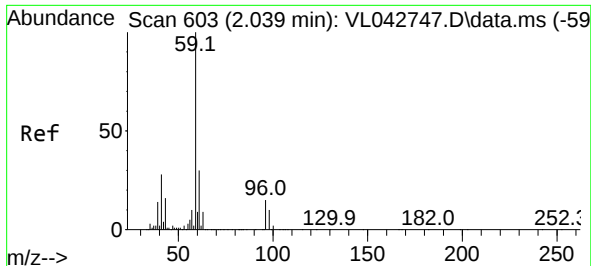
Tgt Ion: 43 Resp: 48226
Ion Ratio Lower Upper
43 100
58 25.0 19.8 29.8



#16
1,3-Butadiene
Concen: 1.981 ppbv
RT: 1.606 min Scan# 469
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 39 Resp: 18504
Ion Ratio Lower Upper
39 100
54 65.0 54.5 81.7





#17

tert-Butyl alcohol

Concen: 2.032 ppbv

RT: 2.036 min Scan# 603

Delta R.T. -0.003 min

Lab File: VL042748.D

Acq: 23 Jul 2025 09:34

Instrument :

MSVOA_1

ClientSampleId :

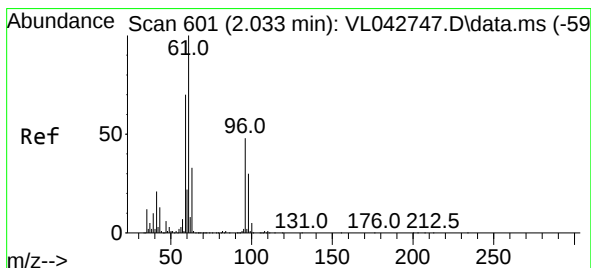
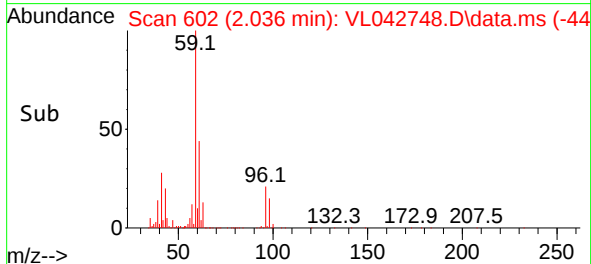
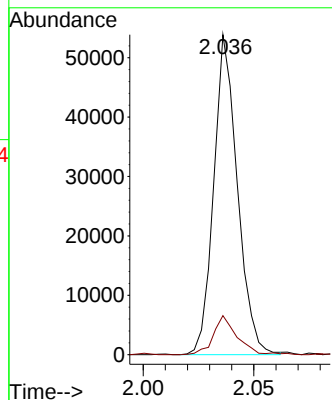
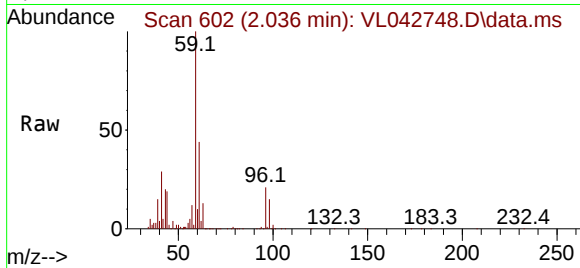
VSTDIC002

Tgt Ion: 59 Resp: 40135

Ion Ratio Lower Upper

59 100

57 12.9 8.3 12.5#



#18

1,1-Dichloroethene

Concen: 1.938 ppbv

RT: 2.030 min Scan# 600

Delta R.T. -0.003 min

Lab File: VL042748.D

Acq: 23 Jul 2025 09:34

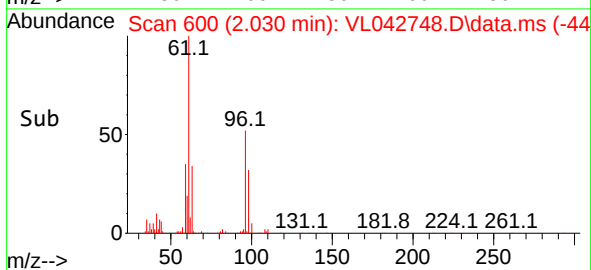
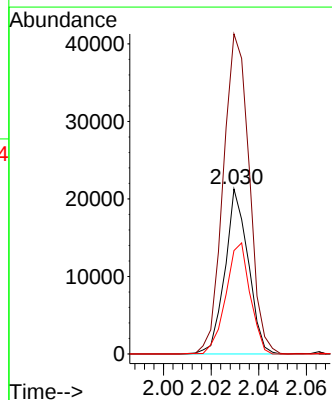
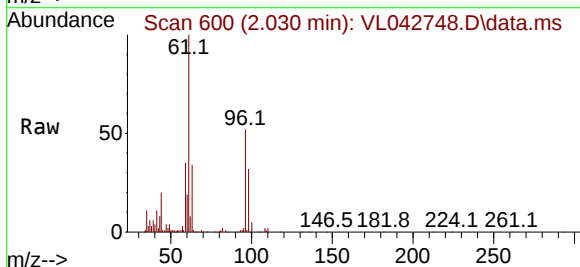
Tgt Ion: 96 Resp: 14381

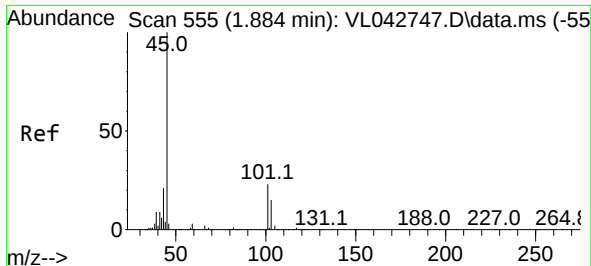
Ion Ratio Lower Upper

96 100

61 193.9 165.8 248.6

98 62.7 49.9 74.9

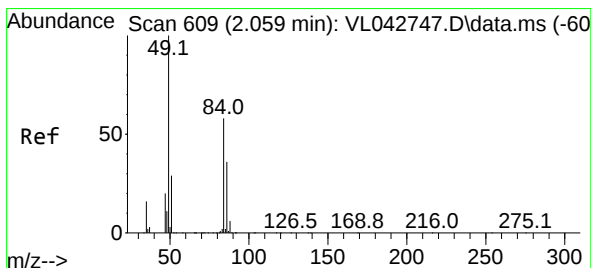
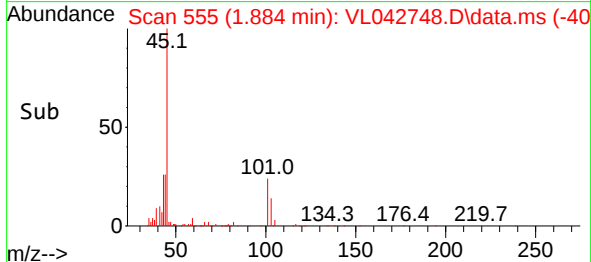
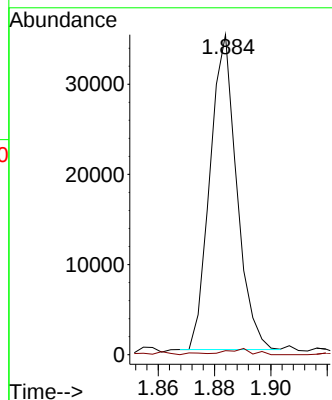
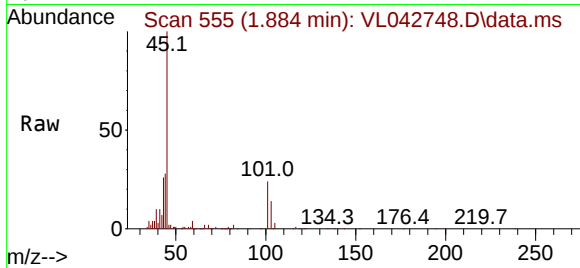




#19
Isopropyl Alcohol
Concen: 1.979 ppbv
RT: 1.884 min Scan# 511
Delta R.T. -0.000 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

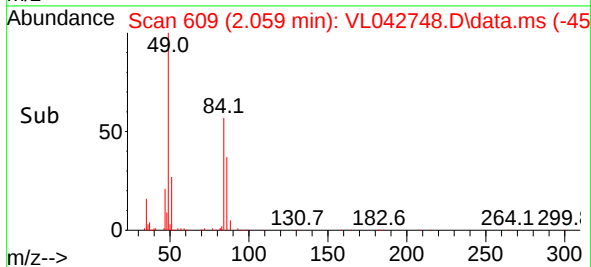
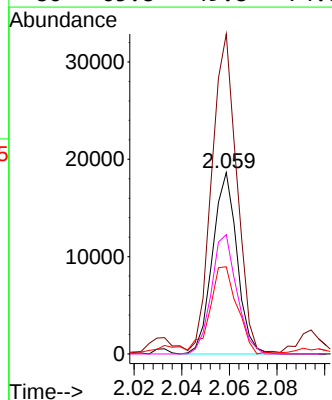
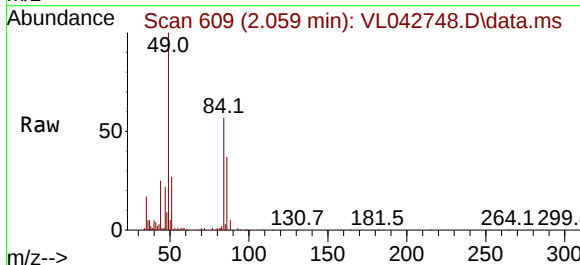
Instrument :
MSVOA_1
ClientSampleId :
VSTDICC002

Tgt Ion: 45 Resp: 23028
Ion Ratio Lower Upper
45 100
58 52.5 30.0 45.0#



#20
Methylene Chloride
Concen: 1.927 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.000 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 84 Resp: 13296
Ion Ratio Lower Upper
84 100
49 175.4 138.6 208.0
51 47.4 40.6 61.0
86 65.8 49.8 74.8

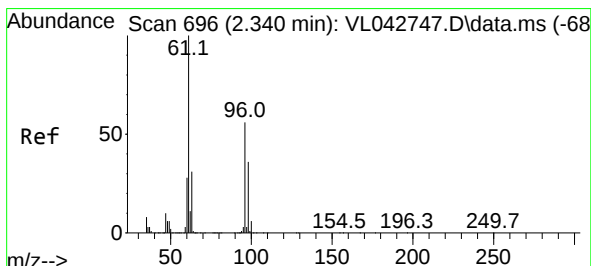
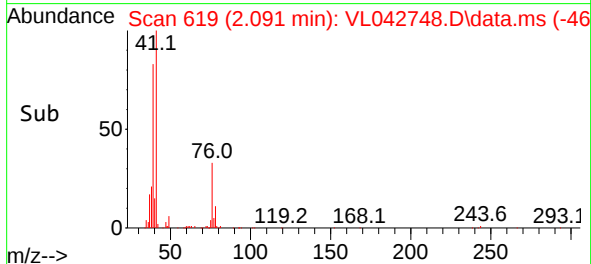
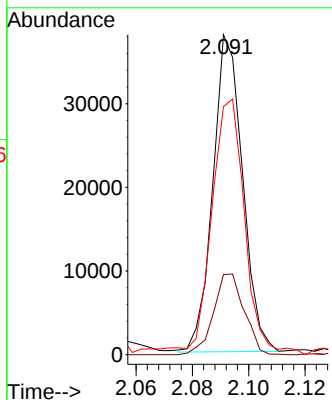
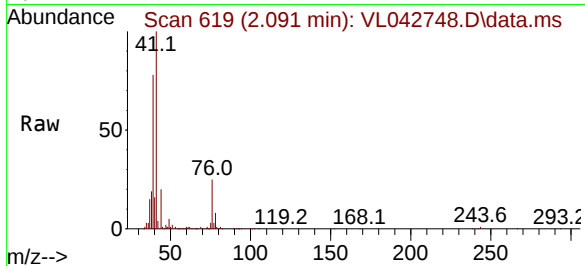




#21
 Allyl Chloride
 Concen: 2.059 ppbv
 RT: 2.091 min Scan# 61
 Delta R.T. -0.003 min
 Lab File: VL042748.D
 Acq: 23 Jul 2025 09:34

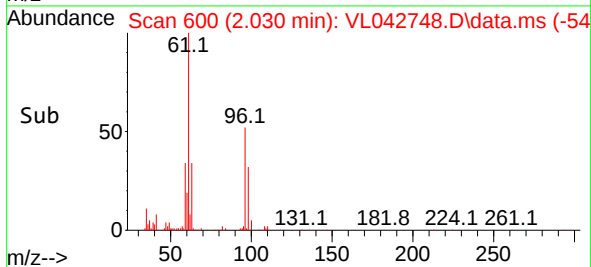
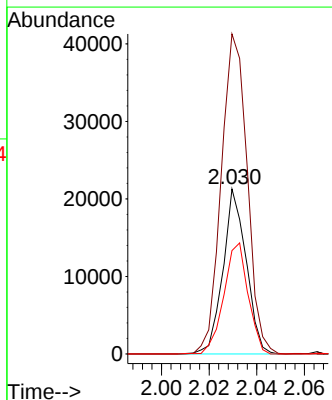
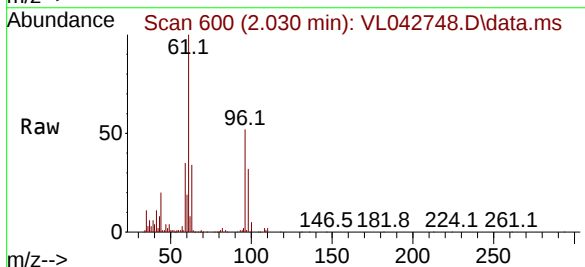
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

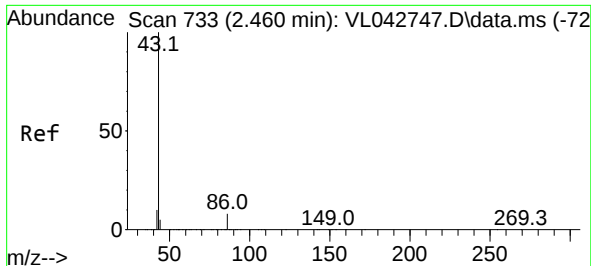
Tgt Ion: 41 Resp: 27789
 Ion Ratio Lower Upper
 41 100
 76 26.3 21.1 31.7
 39 89.5 68.3 102.5



#22
 trans-1,2-Dichloroethene
 Concen: 1.804 ppbv
 RT: 2.030 min Scan# 600
 Delta R.T. -0.311 min
 Lab File: VL042748.D
 Acq: 23 Jul 2025 09:34

Tgt Ion: 96 Resp: 14381
 Ion Ratio Lower Upper
 96 100
 61 193.9 142.3 213.5
 98 62.7 50.6 76.0

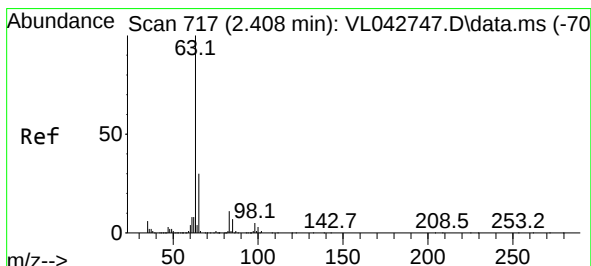
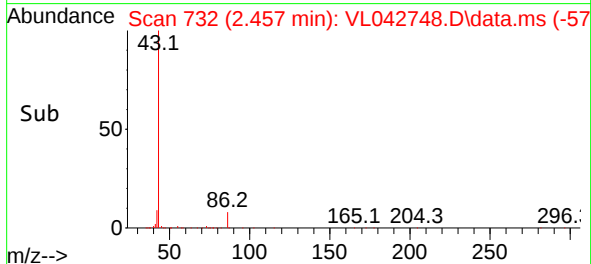
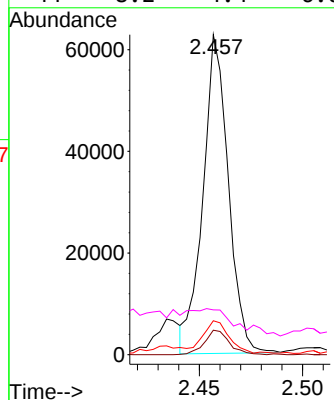
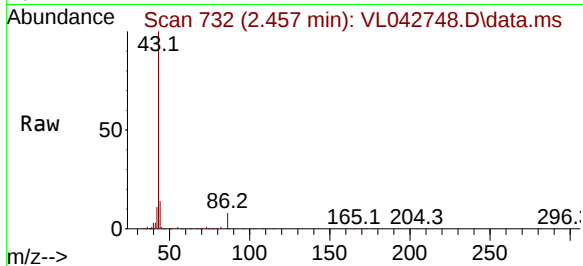




#23
 Vinyl Acetate
 Concen: 2.017 ppbv
 RT: 2.457 min Scan# 716
 Delta R.T. -0.003 min
 Lab File: VL042748.D
 Acq: 23 Jul 2025 09:34

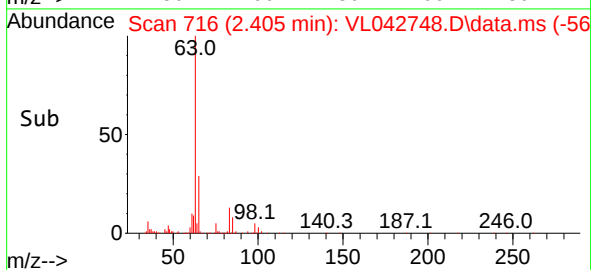
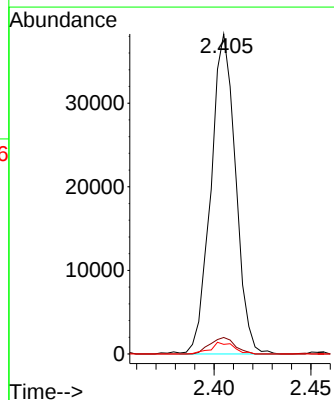
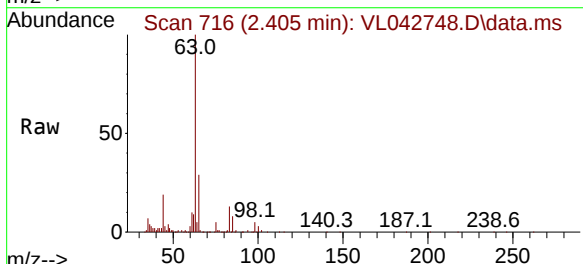
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC002

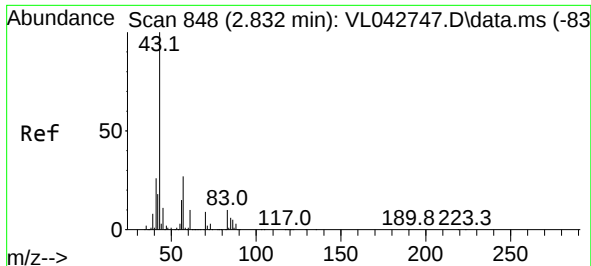
Tgt Ion:	43	Resp:	53544
Ion	Ratio	Lower	Upper
43	100		
86	7.6	6.1	9.1
42	10.1	7.8	11.8
44	8.2	4.4	6.6



#24
 1,1-Dichloroethane
 Concen: 2.073 ppbv
 RT: 2.405 min Scan# 716
 Delta R.T. -0.003 min
 Lab File: VL042748.D
 Acq: 23 Jul 2025 09:34

Tgt Ion:	63	Resp:	33969
Ion	Ratio	Lower	Upper
63	100		
98	5.2	2.5	7.4
100	3.0	1.6	4.8



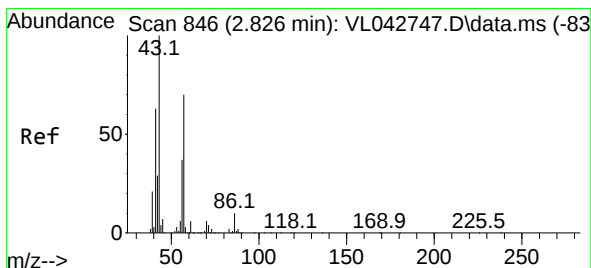
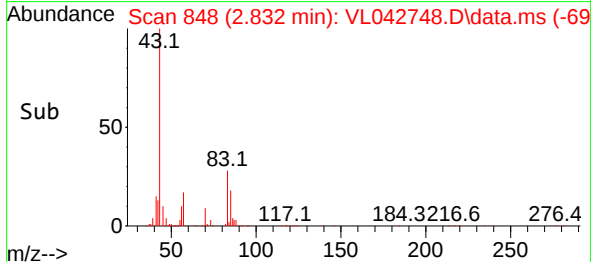
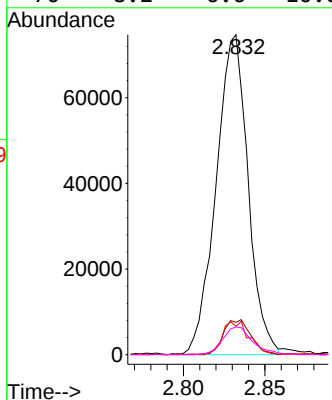
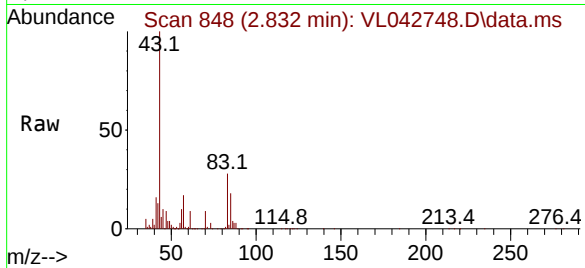


#25
Ethyl Acetate
Concen: 2.101 ppbv
RT: 2.832 min Scan# 845
Delta R.T. -0.000 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 43 Resp: 101853

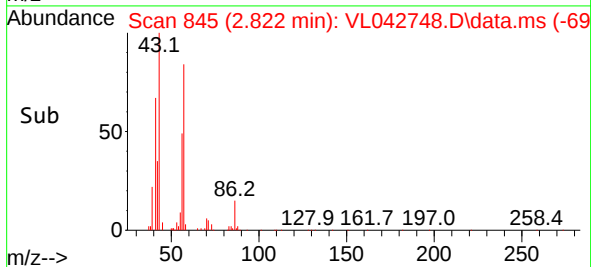
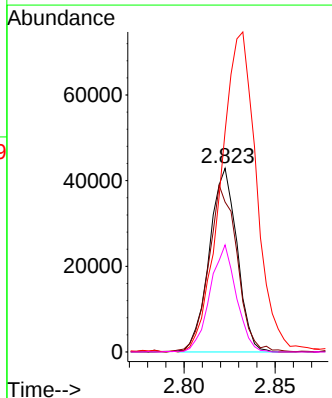
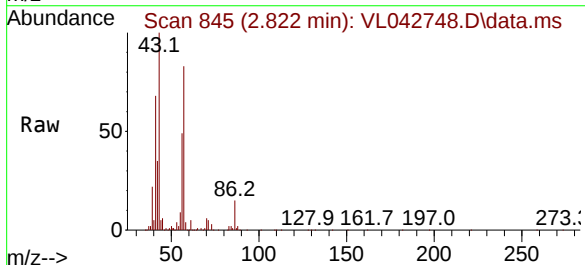
Ion	Ratio	Lower	Upper
43	100		
45	9.9	7.8	11.6
61	8.9	6.7	10.1
70	8.2	6.6	10.0

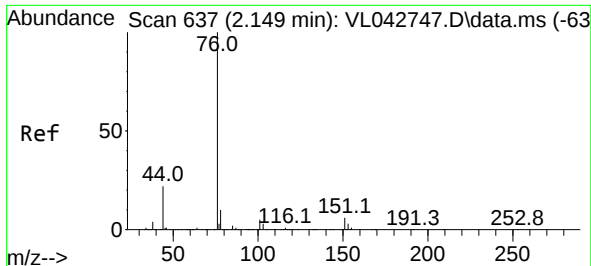


#26
Hexane
Concen: 2.137 ppbv
RT: 2.822 min Scan# 845
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 57 Resp: 45446

Ion	Ratio	Lower	Upper
57	100		
41	94.1	75.4	113.2
43	230.2	185.0	277.6
56	55.3	42.9	64.3

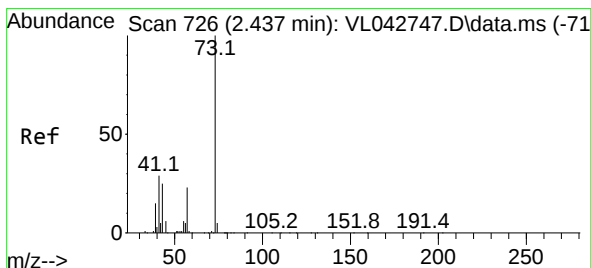
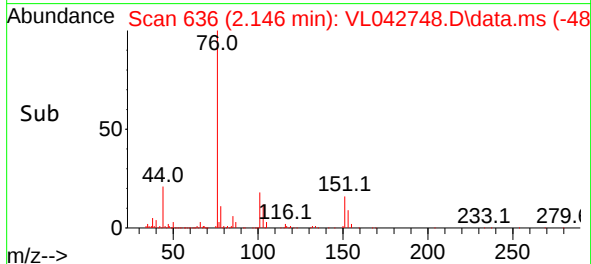
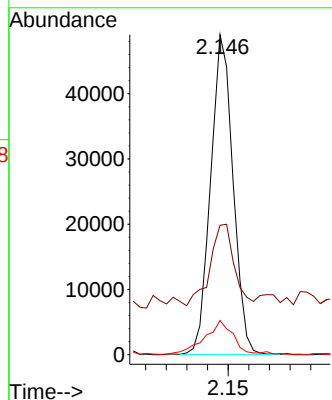
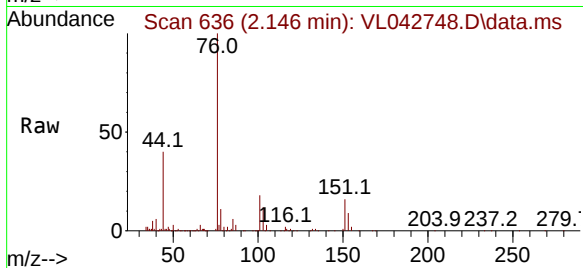




#27
Carbon Disulfide
Concen: 2.030 ppbv
RT: 2.146 min Scan# 61
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

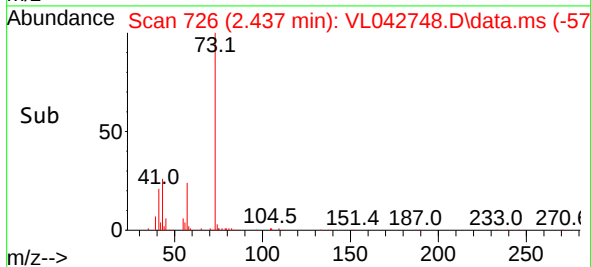
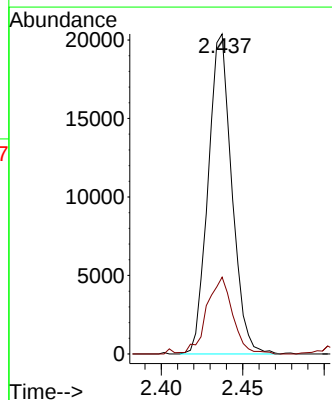
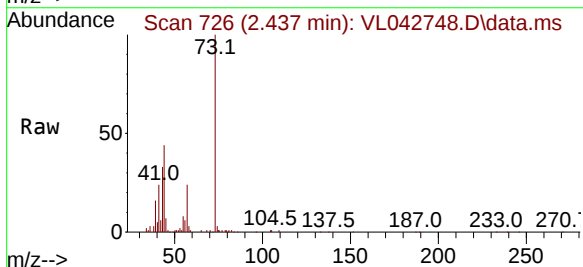
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC002

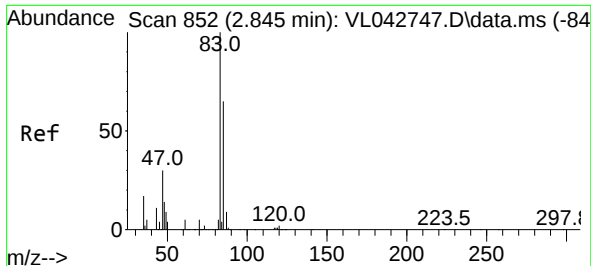
Tgt Ion: 76 Resp: 36945
Ion Ratio Lower Upper
76 100
44 71.1 19.3 28.9#
78 13.6 9.9 14.9



#28
Methyl tert-Butyl Ether
Concen: 2.051 ppbv
RT: 2.437 min Scan# 726
Delta R.T. -0.000 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 73 Resp: 20603
Ion Ratio Lower Upper
73 100
57 26.7 19.8 29.8





#29

Chloroform

Concen: 2.062 ppbv

RT: 2.842 min Scan# 81

Delta R.T. -0.003 min

Lab File: VL042748.D

Acq: 23 Jul 2025 09:34

Instrument :

MSVOA_L

ClientSampleId :

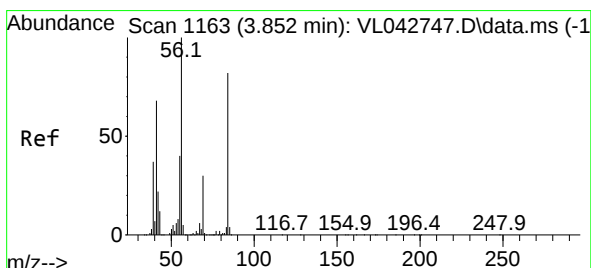
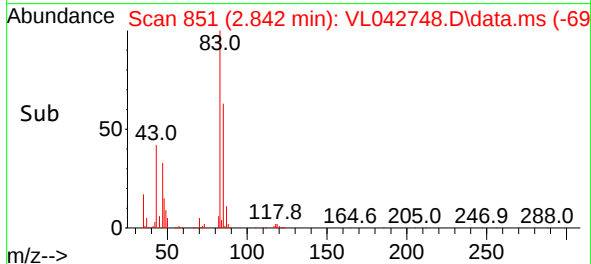
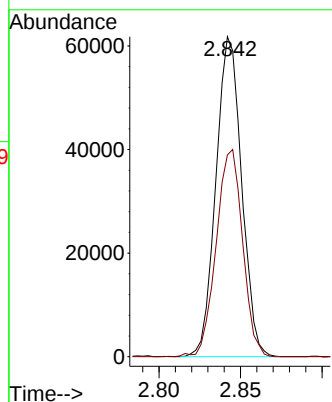
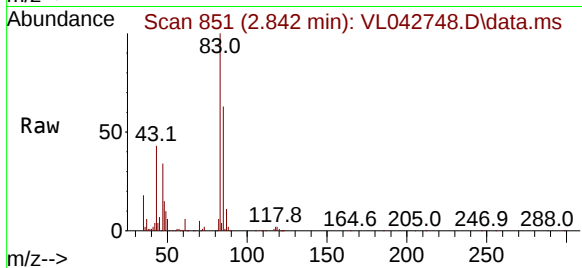
VSTDICC002

Tgt Ion: 83 Resp: 67755

Ion Ratio Lower Upper

83 100

85 63.0 52.2 78.2



#30

Cyclohexane

Concen: 1.075 ppbv

RT: 3.845 min Scan# 1161

Delta R.T. -0.007 min

Lab File: VL042748.D

Acq: 23 Jul 2025 09:34

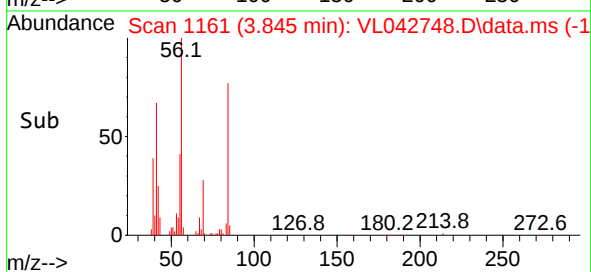
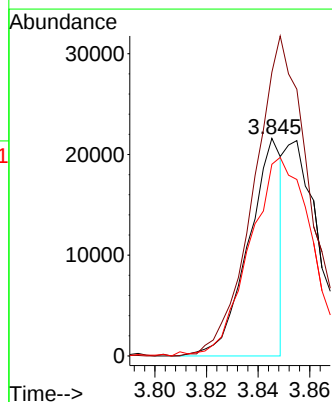
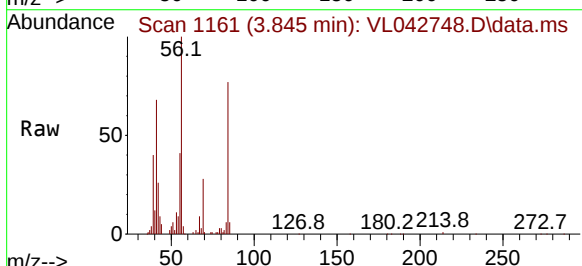
Tgt Ion: 84 Resp: 19383

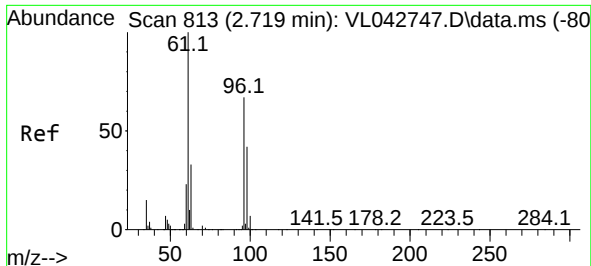
Ion Ratio Lower Upper

84 100

56 245.5 97.5 146.3#

41 171.7 67.2 100.8#

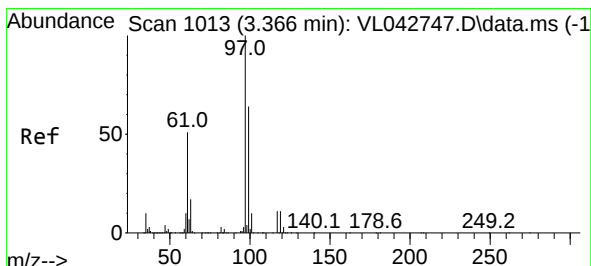
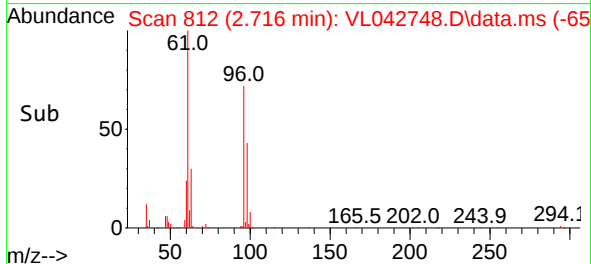
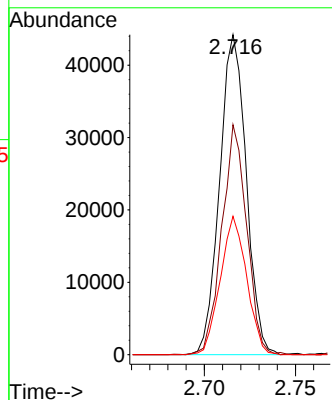
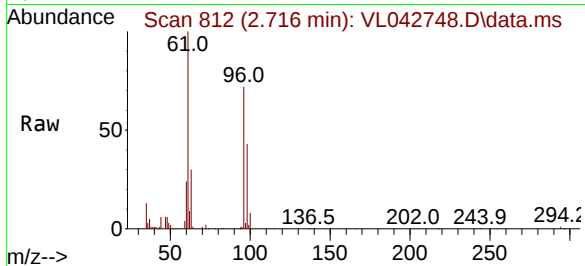




#31
 cis-1,2-Dichloroethene
 Concen: 2.053 ppbv
 RT: 2.716 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VL042748.D
 Acq: 23 Jul 2025 09:34

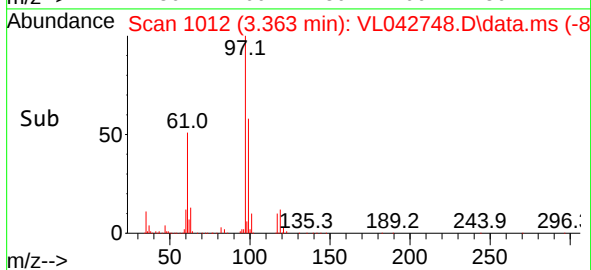
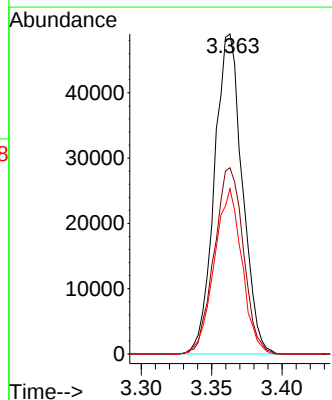
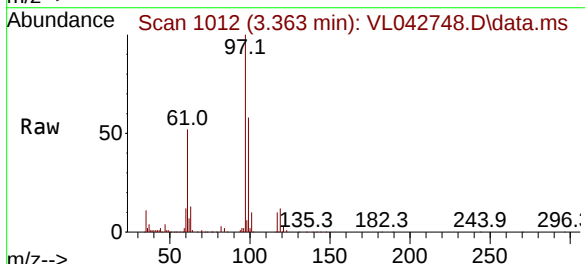
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002

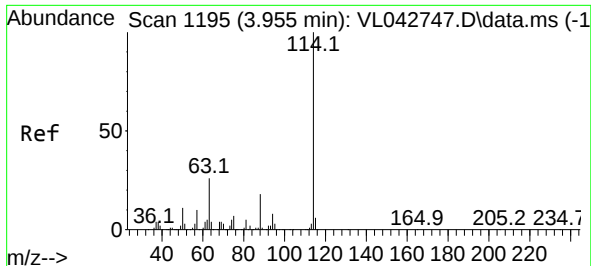
Tgt Ion: 61 Resp: 44860
 Ion Ratio Lower Upper
 61 100
 96 71.8 53.5 80.3
 98 43.3 33.6 50.4



#32
 1,1,1-Trichloroethane
 Concen: 1.976 ppbv
 RT: 3.363 min Scan# 1012
 Delta R.T. -0.003 min
 Lab File: VL042748.D
 Acq: 23 Jul 2025 09:34

Tgt Ion: 97 Resp: 67608
 Ion Ratio Lower Upper
 97 100
 99 60.8 51.0 76.6
 61 51.3 40.9 61.3

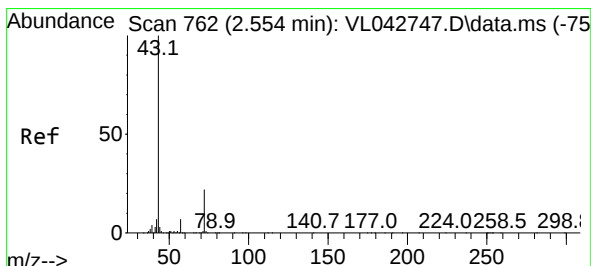
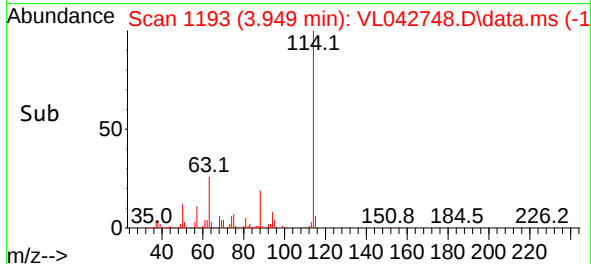
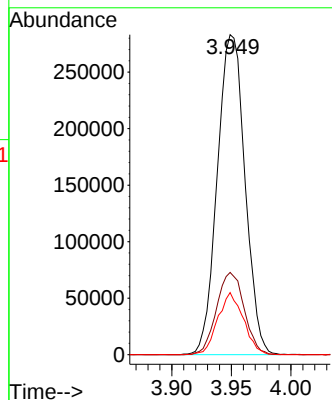
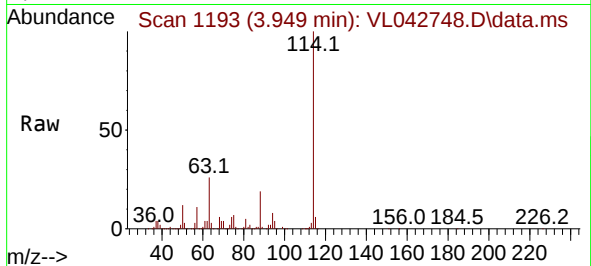




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.949 min Scan# 1193
Delta R.T. -0.007 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

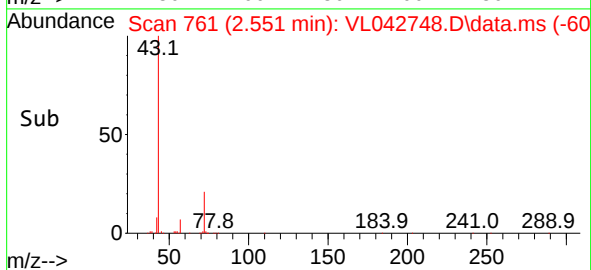
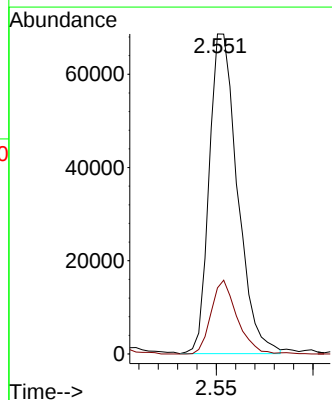
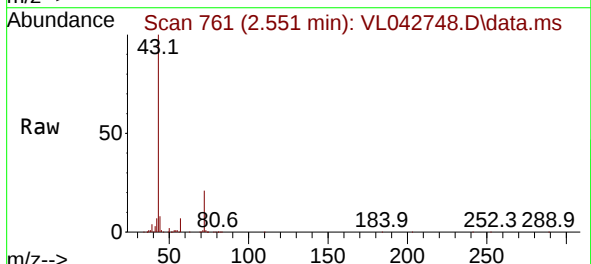
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

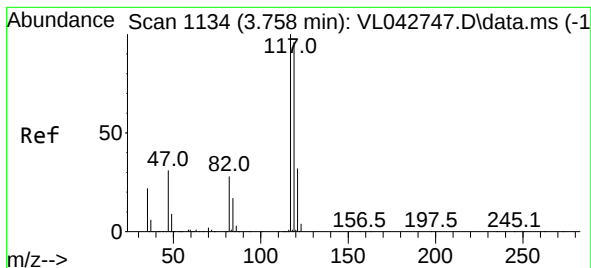
Tgt Ion:114 Resp: 457804
Ion Ratio Lower Upper
114 100
63 25.7 20.5 30.7
88 18.0 14.0 21.0



#34
2-Butanone
Concen: 2.149 ppbv
RT: 2.551 min Scan# 761
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 43 Resp: 69674
Ion Ratio Lower Upper
43 100
72 21.2 17.4 26.0





#35

Carbon Tetrachloride

Concen: 1.979 ppbv

RT: 3.755 min Scan# 1133

Delta R.T. -0.003 min

Lab File: VL042748.D

Acq: 23 Jul 2025 09:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

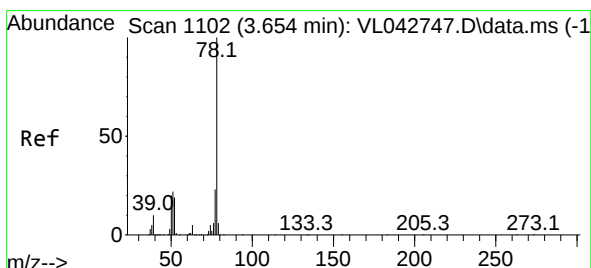
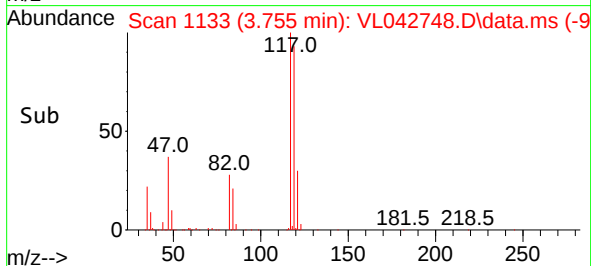
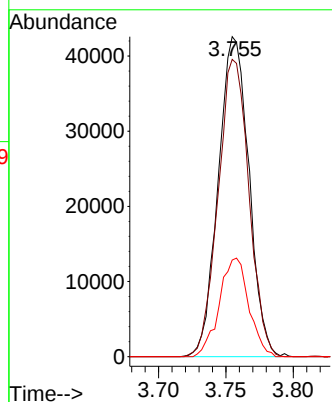
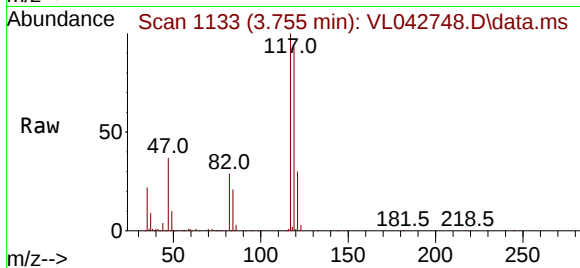
Tgt Ion:117 Resp: 67338

Ion Ratio Lower Upper

117 100

119 92.9 77.1 115.7

121 30.2 25.5 38.3



#36

Benzene

Concen: 2.101 ppbv

RT: 3.648 min Scan# 1100

Delta R.T. -0.007 min

Lab File: VL042748.D

Acq: 23 Jul 2025 09:34

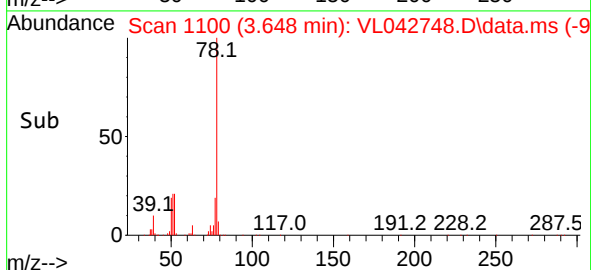
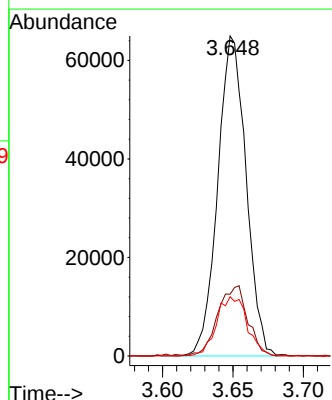
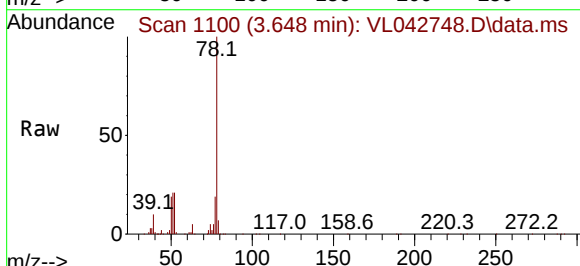
Tgt Ion: 78 Resp: 91141

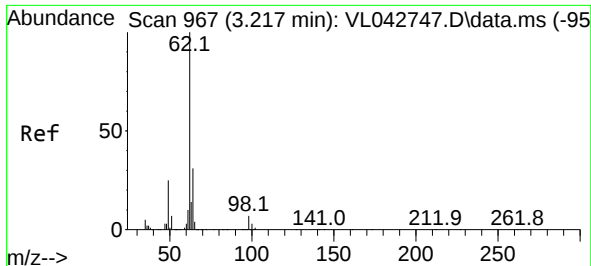
Ion Ratio Lower Upper

78 100

77 19.0 18.5 27.7

50 18.5 16.2 24.2





#37

1,2-Dichloroethane

Concen: 2.046 ppbv

RT: 3.211 min Scan# 9

Delta R.T. -0.007 min

Lab File: VL042748.D

Acq: 23 Jul 2025 09:34

Instrument :

MSVOA_L

ClientSampleId :

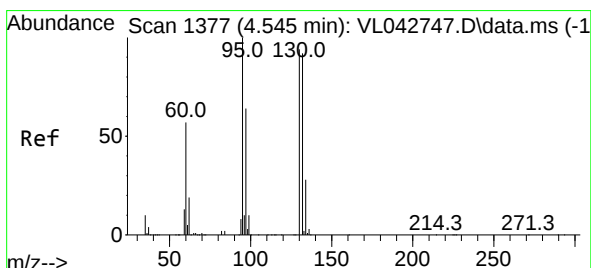
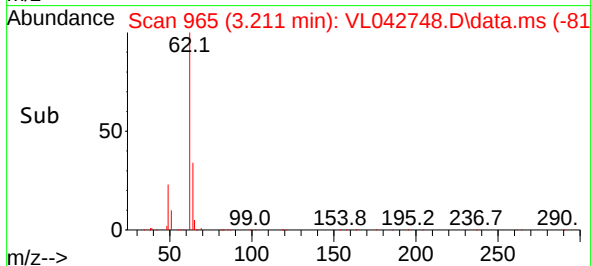
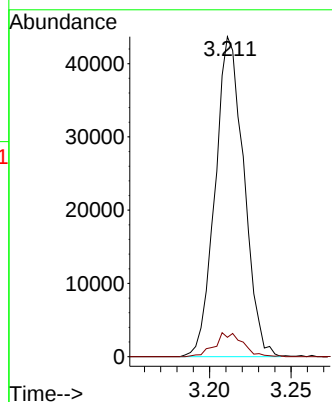
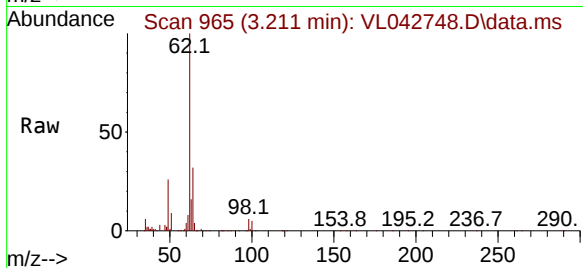
VSTDIC002

Tgt Ion: 62 Resp: 53482

Ion Ratio Lower Upper

62 100

98 7.3 5.2 7.8



#38

Trichloroethene

Concen: 1.946 ppbv

RT: 4.538 min Scan# 1375

Delta R.T. -0.007 min

Lab File: VL042748.D

Acq: 23 Jul 2025 09:34

Tgt Ion:130 Resp: 40713

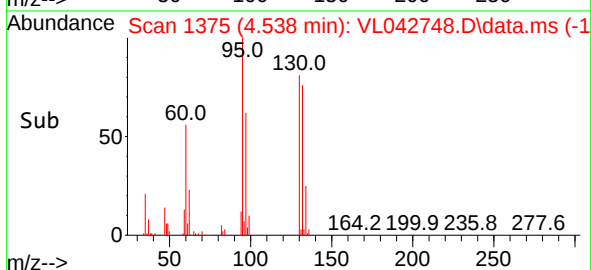
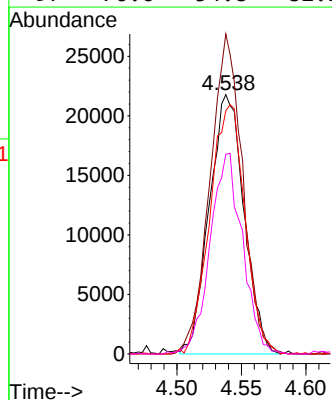
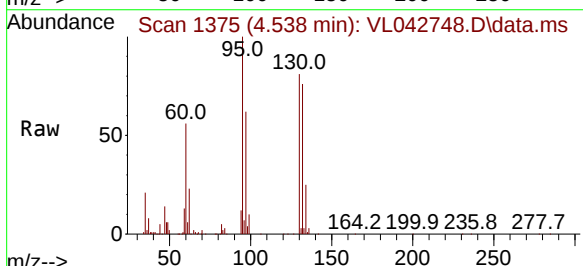
Ion Ratio Lower Upper

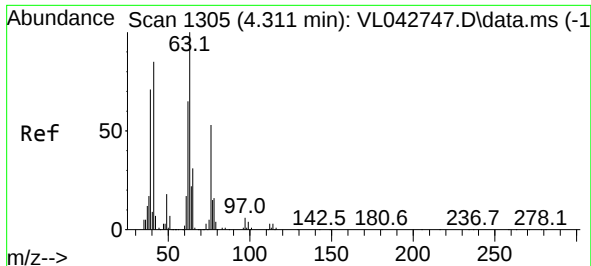
130 100

95 122.9 85.4 128.2

132 94.1 78.2 117.2

97 76.6 54.8 82.2





#39

1,2-Dichloropropane

Concen: 2.075 ppbv

RT: 4.305 min Scan# 11

Delta R.T. -0.007 min

Lab File: VL042748.D

Acq: 23 Jul 2025 09:34

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC002

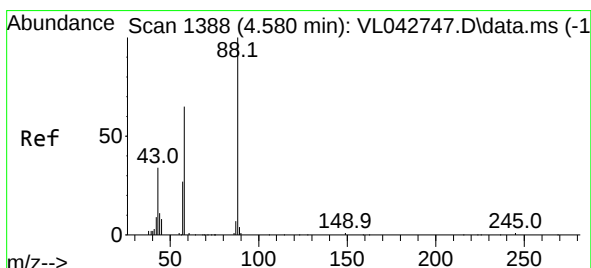
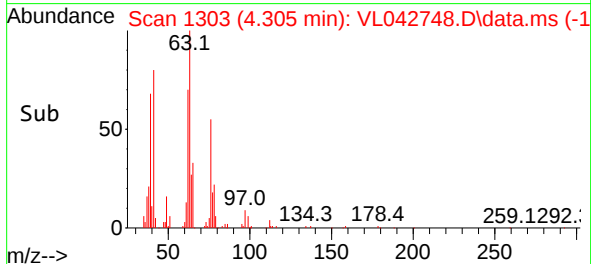
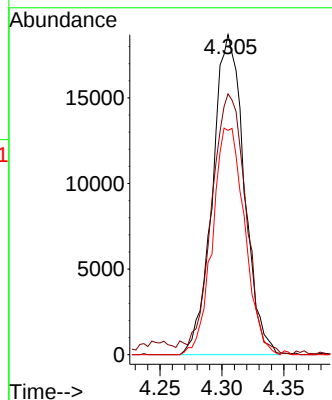
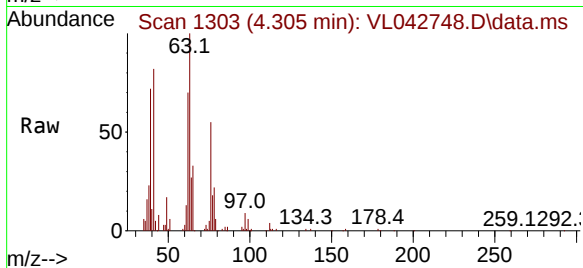
Tgt Ion: 63 Resp: 33225

Ion Ratio Lower Upper

63 100

41 80.8 68.2 102.4

62 70.1 52.0 78.0



#40

1,4-Dioxane

Concen: 1.953 ppbv

RT: 4.583 min Scan# 1389

Delta R.T. 0.003 min

Lab File: VL042748.D

Acq: 23 Jul 2025 09:34

Tgt Ion: 88 Resp: 14747

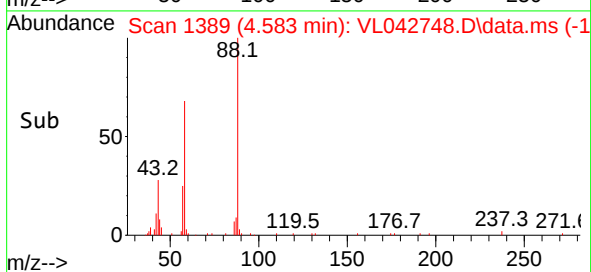
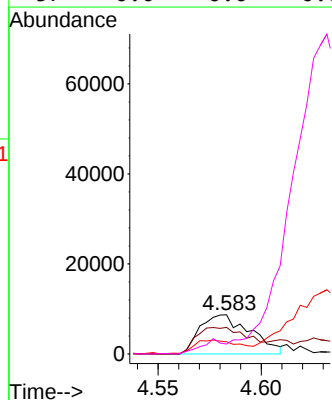
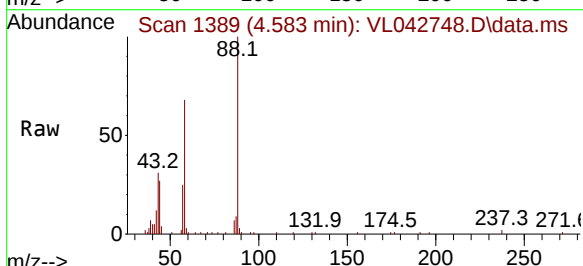
Ion Ratio Lower Upper

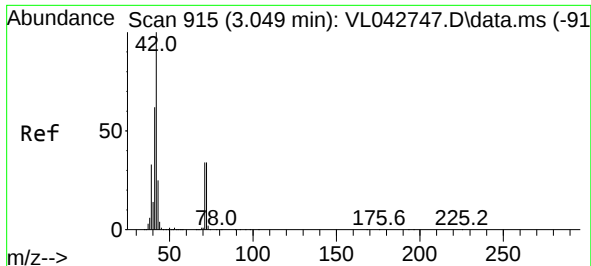
88 100

58 87.2 58.8 88.2

43 0.0 28.9 43.3#

57 0.0 0.0 0.0

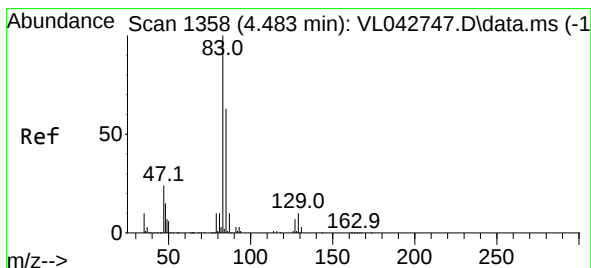
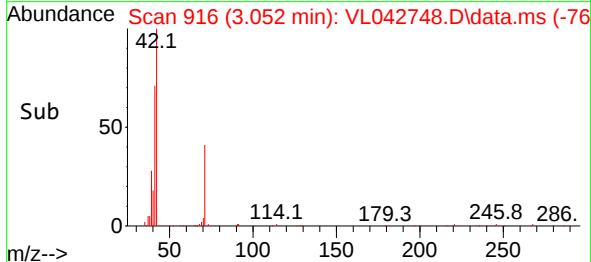
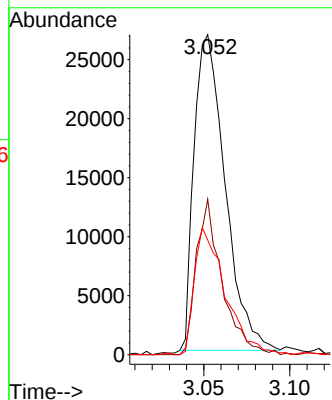
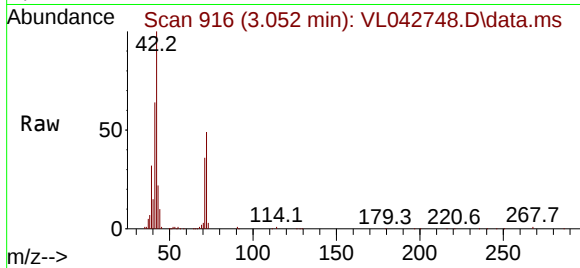




#41
Tetrahydrofuran
Concen: 2.064 ppbv
RT: 3.052 min Scan# 915
Delta R.T. 0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

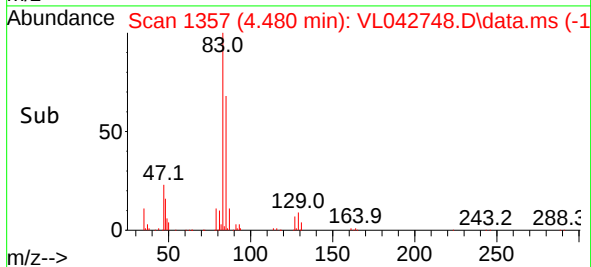
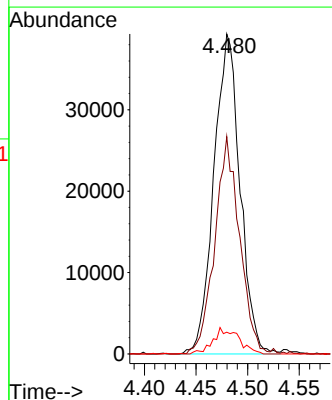
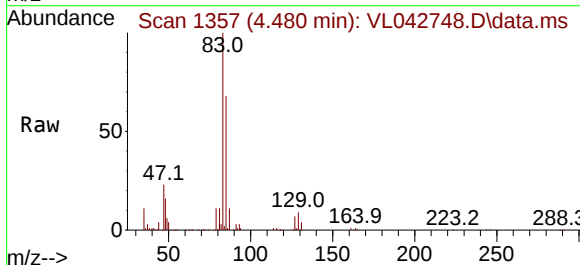
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

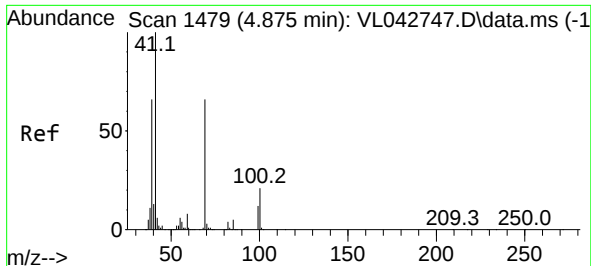
Tgt Ion: 42 Resp: 33618
Ion Ratio Lower Upper
42 100
72 41.3 30.9 46.3
71 40.4 28.6 43.0



#42
Bromodichloromethane
Concen: 2.028 ppbv
RT: 4.480 min Scan# 1357
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 83 Resp: 69093
Ion Ratio Lower Upper
83 100
85 67.9 50.2 75.4
127 6.8 5.4 8.2





#43

Methyl Methacrylate

Concen: 1.967 ppbv

RT: 4.871 min Scan# 1479

Delta R.T. -0.003 min

Lab File: VL042748.D

Acq: 23 Jul 2025 09:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

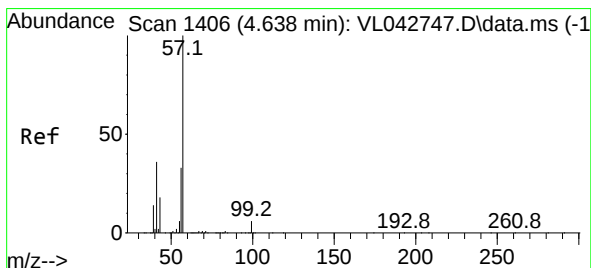
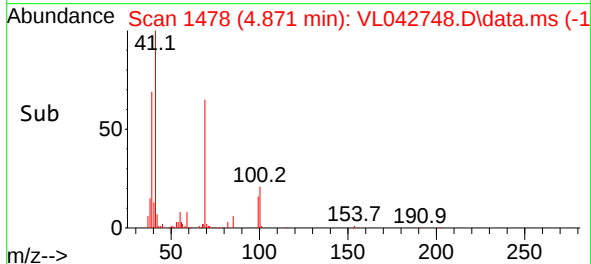
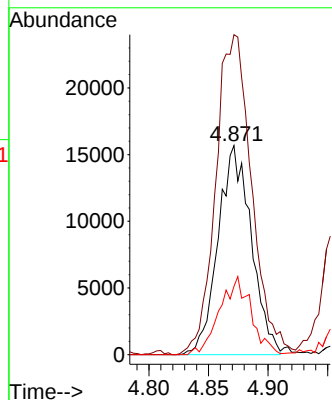
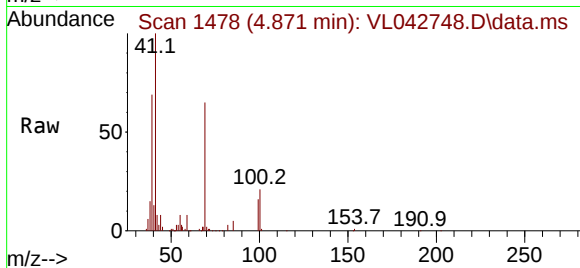
Tgt Ion: 69 Resp: 30336

Ion Ratio Lower Upper

69 100

41 164.3 125.7 188.5

100 35.5 28.6 42.8



#44

2,2,4-Trimethylpentane

Concen: 2.115 ppbv

RT: 4.632 min Scan# 1404

Delta R.T. -0.007 min

Lab File: VL042748.D

Acq: 23 Jul 2025 09:34

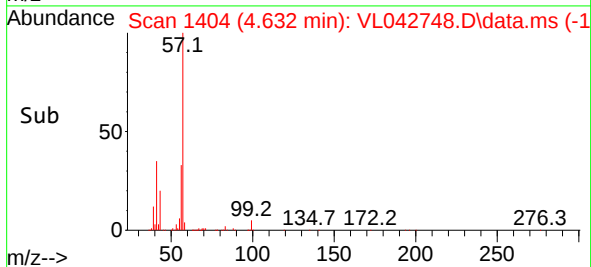
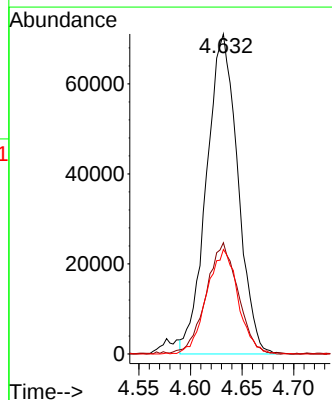
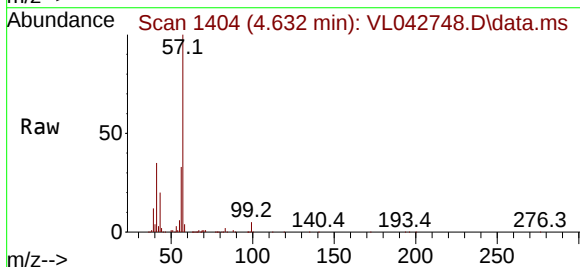
Tgt Ion: 57 Resp: 149588

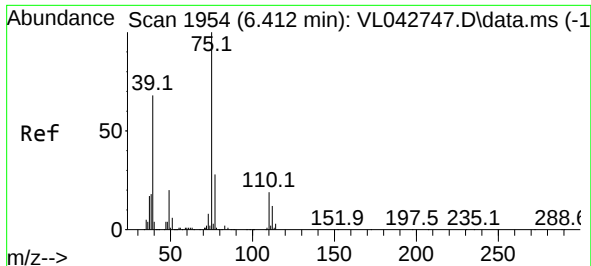
Ion Ratio Lower Upper

57 100

41 36.0 28.3 42.5

56 32.9 25.8 38.6





#45

t-1,3-Dichloropropene

Concen: 0.957 ppbv

RT: 6.399 min Scan# 1954

Delta R.T. -0.013 min

Lab File: VL042748.D

Acq: 23 Jul 2025 09:34

Instrument :

MSVOA_L

ClientSampleId :

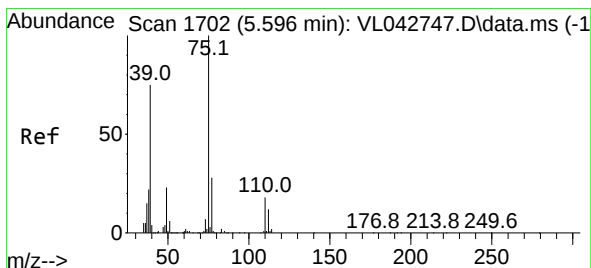
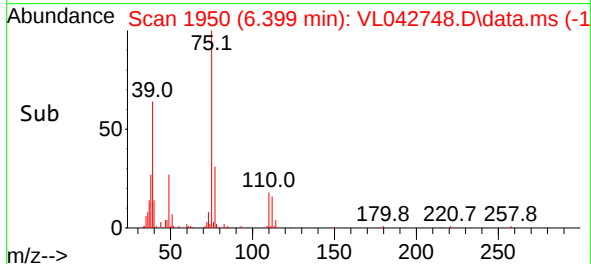
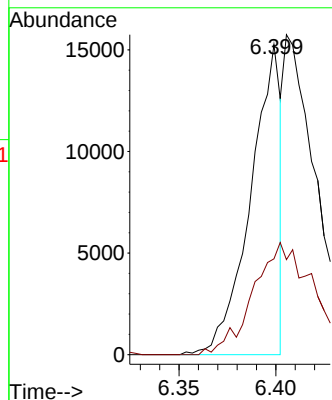
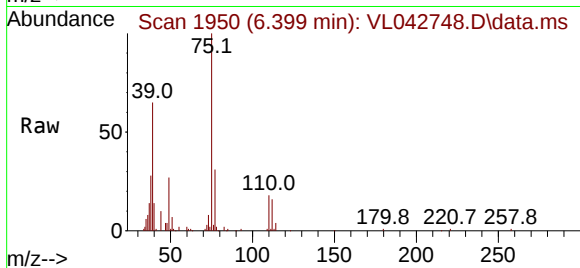
VSTDIC002

Tgt Ion: 75 Resp: 16554

Ion Ratio Lower Upper

75 100

77 30.9 22.4 33.6



#46

cis-1,3-Dichloropropene

Concen: 1.084 ppbv

RT: 5.583 min Scan# 1698

Delta R.T. -0.013 min

Lab File: VL042748.D

Acq: 23 Jul 2025 09:34

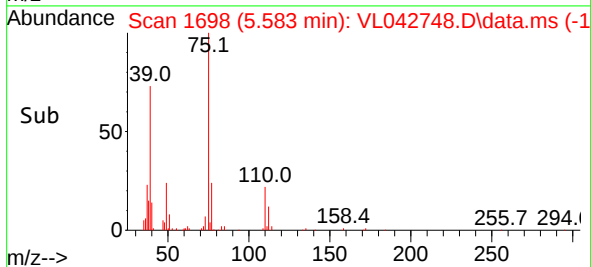
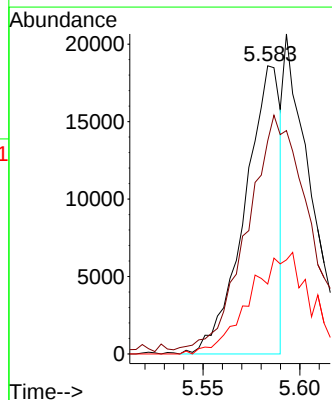
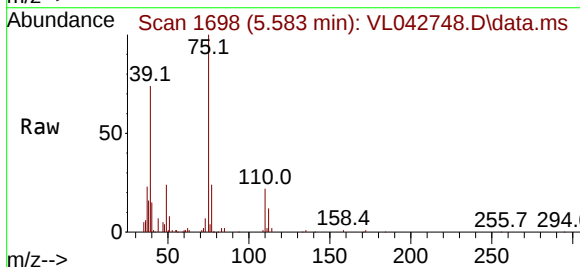
Tgt Ion: 75 Resp: 23760

Ion Ratio Lower Upper

75 100

39 71.8 60.2 90.2

77 24.2 22.6 34.0





#47

1,1,2-Trichloroethane

Concen: 0.988 ppbv

RT: 6.567 min Scan# 2006

Delta R.T. -0.013 min

Lab File: VL042748.D

Acq: 23 Jul 2025 09:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

Tgt Ion: 97 Resp: 16867

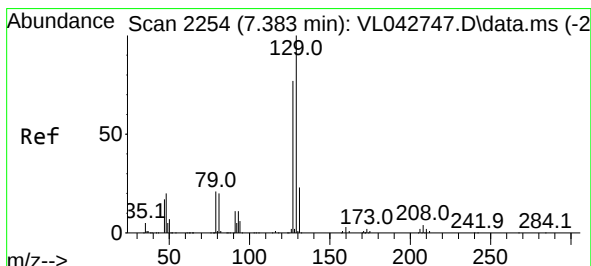
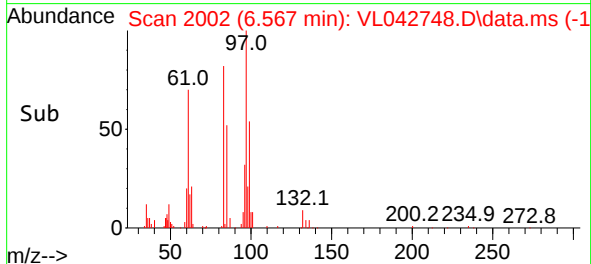
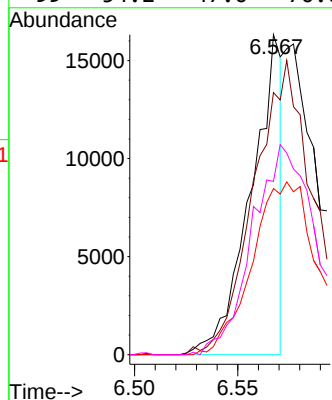
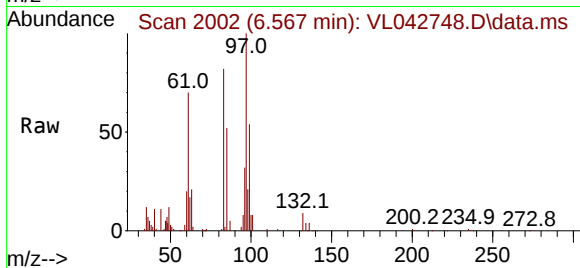
Ion Ratio Lower Upper

97 100

83 81.9 71.1 106.7

85 51.9 43.0 64.4

99 54.2 47.0 70.6



#48

Dibromochloromethane

Concen: 2.026 ppbv

RT: 7.380 min Scan# 2253

Delta R.T. -0.003 min

Lab File: VL042748.D

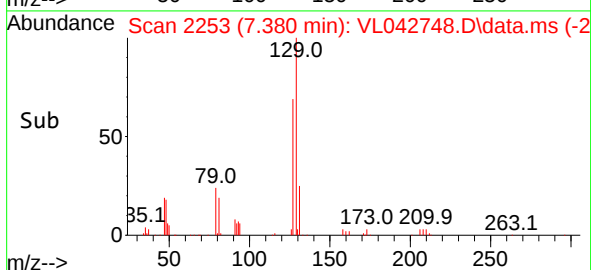
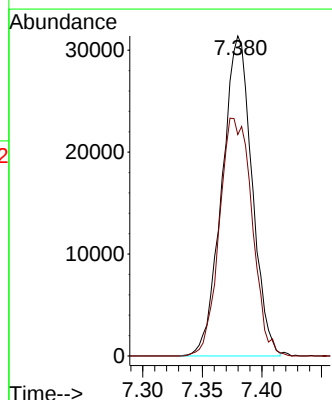
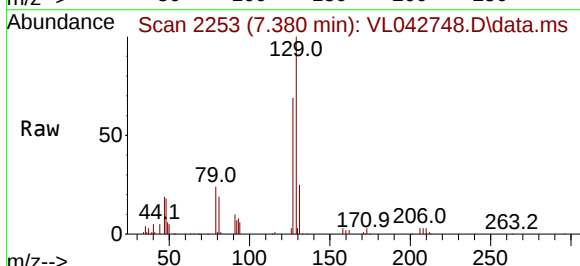
Acq: 23 Jul 2025 09:34

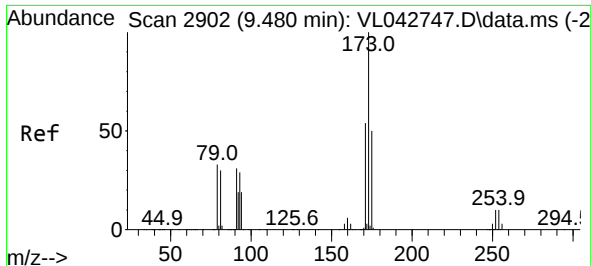
Tgt Ion: 129 Resp: 54906

Ion Ratio Lower Upper

129 100

127 80.8 38.7 116.1





#49

Bromoform

Concen: 2.003 ppbv

RT: 9.477 min Scan# 2902

Delta R.T. -0.003 min

Lab File: VL042748.D

Acq: 23 Jul 2025 09:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

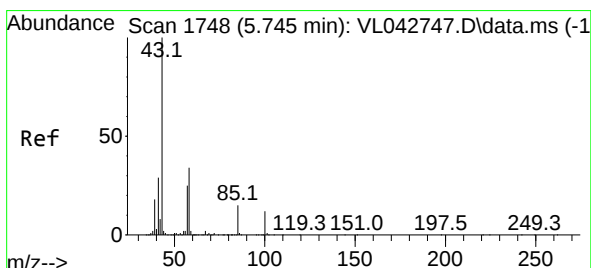
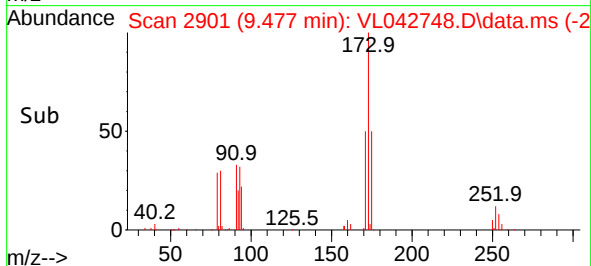
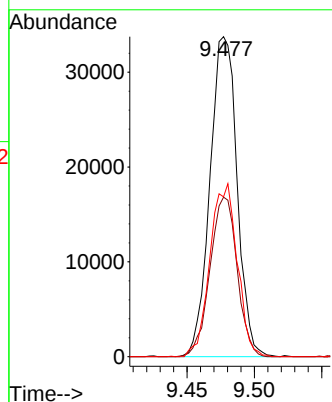
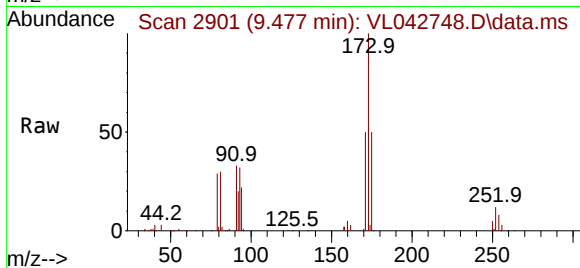
Tgt Ion:173 Resp: 47340

Ion Ratio Lower Upper

173 100

175 49.7 38.4 57.6

171 54.2 40.9 61.3



#50

4-Methyl-2-Pentanone

Concen: 0.966 ppbv

RT: 5.742 min Scan# 1747

Delta R.T. -0.003 min

Lab File: VL042748.D

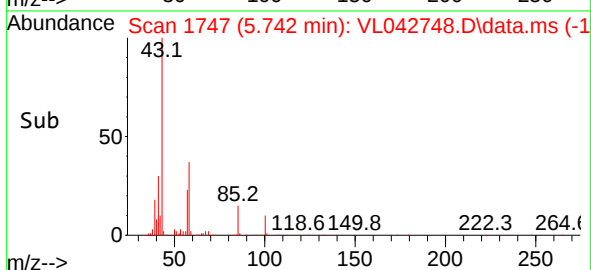
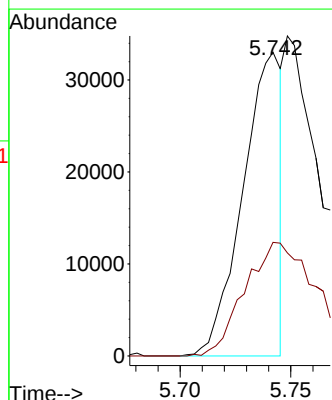
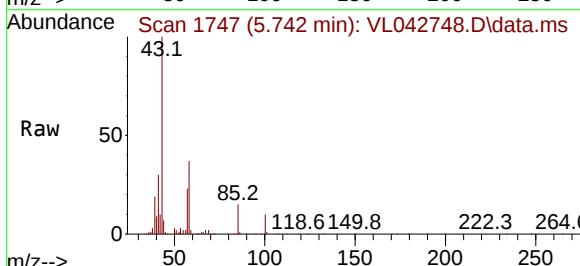
Acq: 23 Jul 2025 09:34

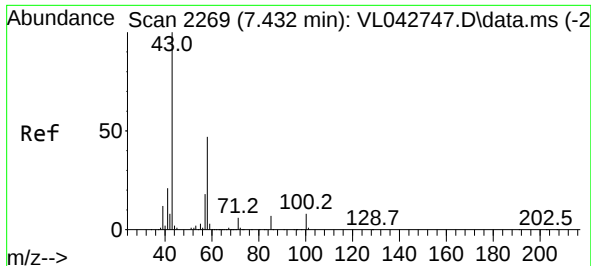
Tgt Ion: 43 Resp: 39913

Ion Ratio Lower Upper

43 100

58 76.3 27.8 41.8#

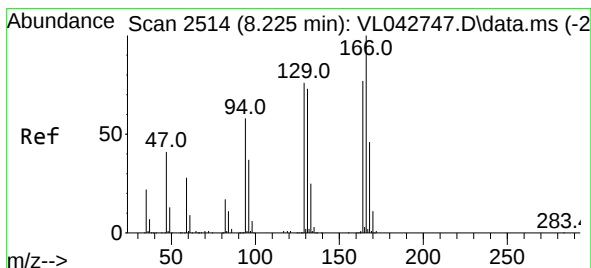
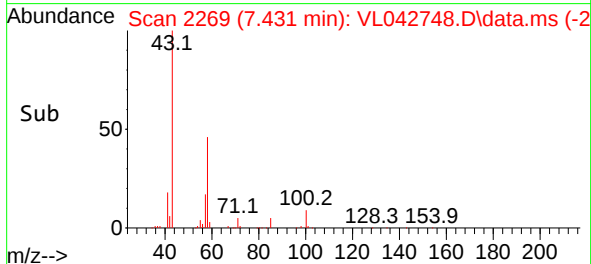
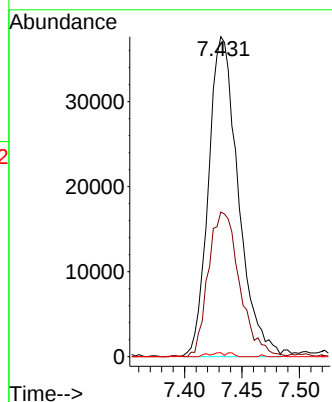
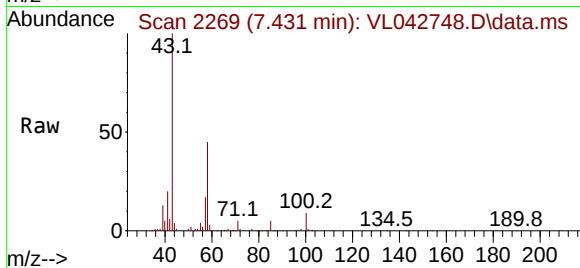




#51
2-Hexanone
Concen: 2.157 ppbv
RT: 7.431 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

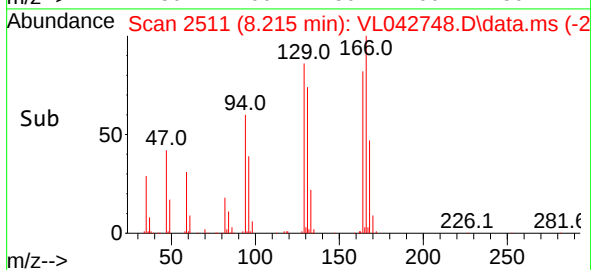
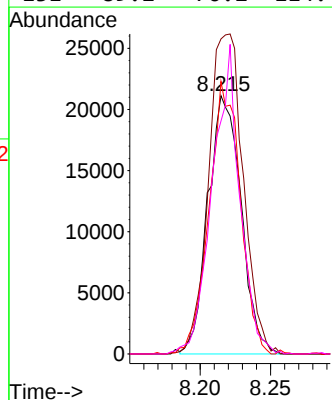
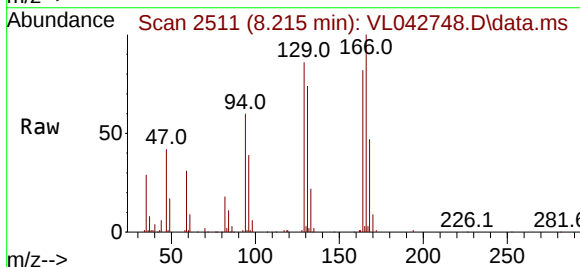
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

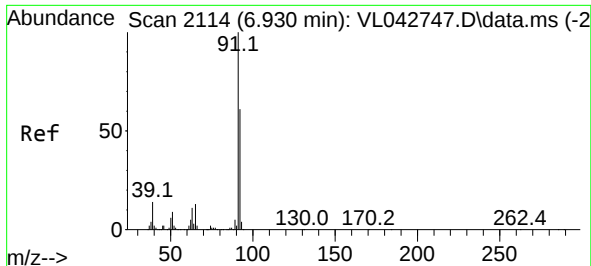
Tgt Ion: 43 Resp: 68093
Ion Ratio Lower Upper
43 100
58 48.2 38.0 57.0
98 1.0 0.2 0.4#



#52
Tetrachloroethene
Concen: 1.917 ppbv
RT: 8.215 min Scan# 2511
Delta R.T. -0.010 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 164 Resp: 34568
Ion Ratio Lower Upper
164 100
166 121.7 104.0 156.0
129 103.9 79.2 118.8
131 89.2 76.2 114.4





#53

Toluene

Concen: 2.111 ppbv

RT: 6.923 min Scan# 2112

Delta R.T. -0.007 min

Lab File: VL042748.D

Acq: 23 Jul 2025 09:34

Instrument :

MSVOA_L

ClientSampleId :

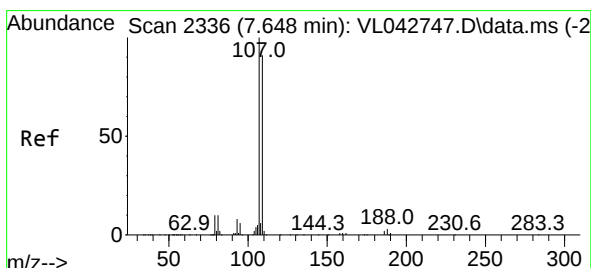
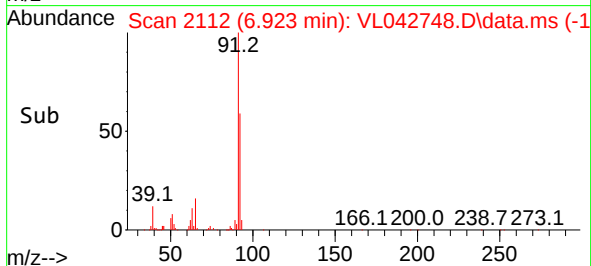
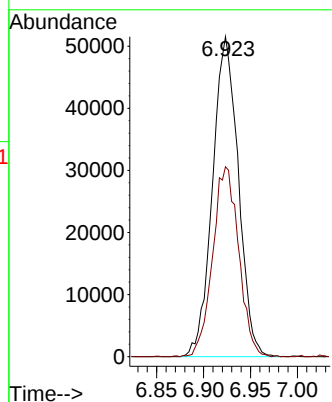
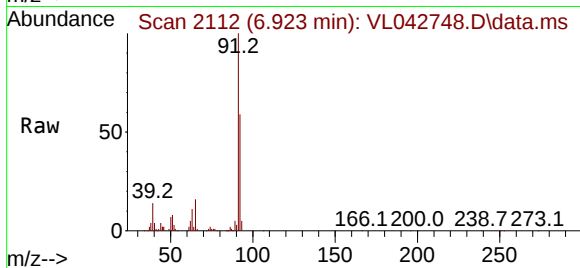
VSTDICC002

Tgt Ion: 91 Resp: 98346

Ion Ratio Lower Upper

91 100

92 59.8 48.0 72.0



#54

1,2-Dibromoethane

Concen: 2.042 ppbv

RT: 7.645 min Scan# 2335

Delta R.T. -0.003 min

Lab File: VL042748.D

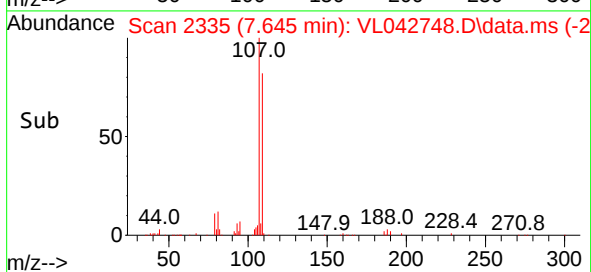
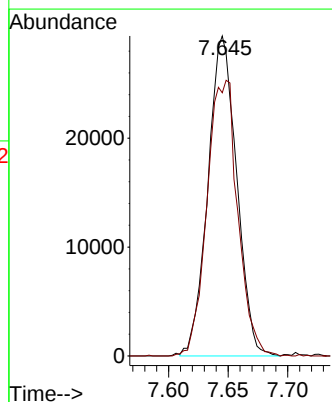
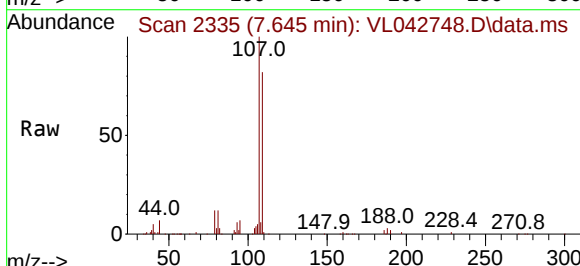
Acq: 23 Jul 2025 09:34

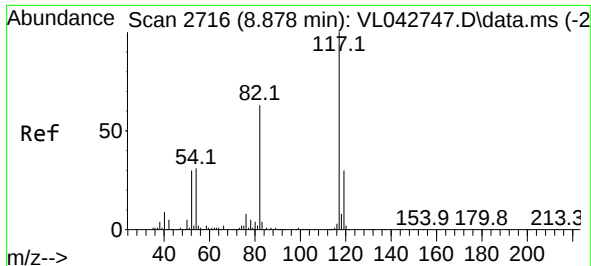
Tgt Ion: 107 Resp: 49346

Ion Ratio Lower Upper

107 100

109 82.2 72.7 109.1

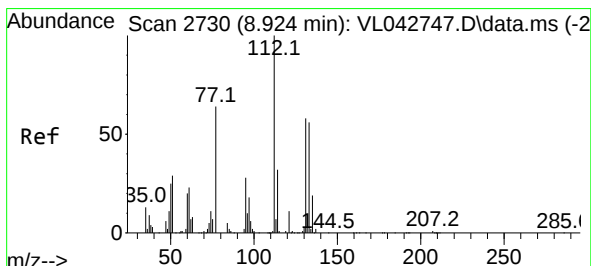
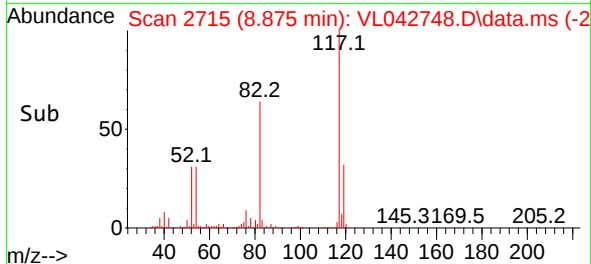
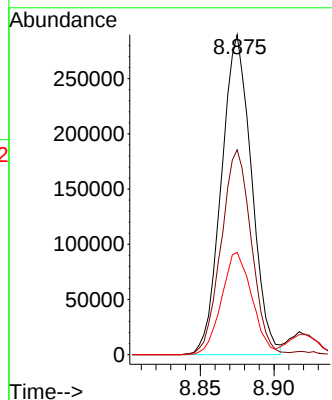
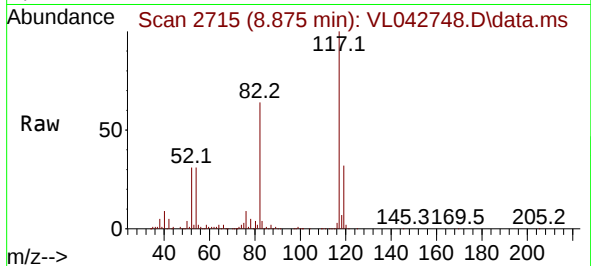




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 2716
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

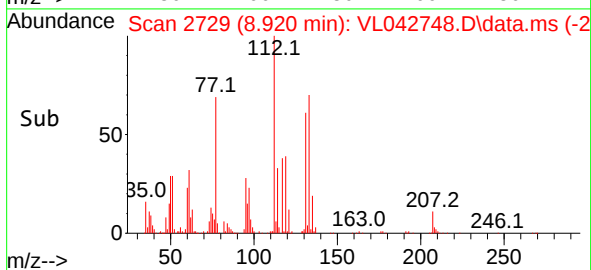
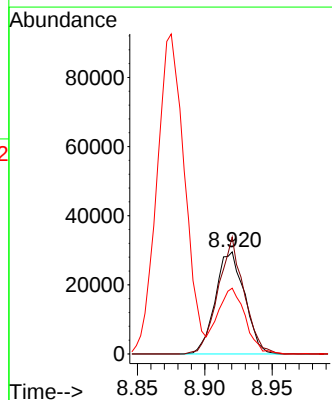
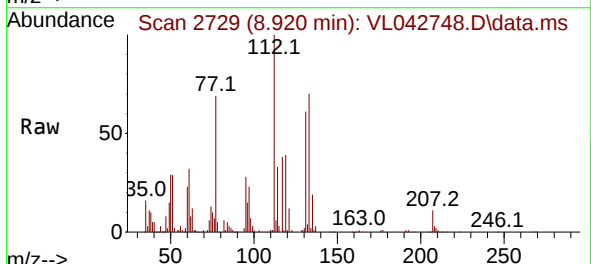
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC002

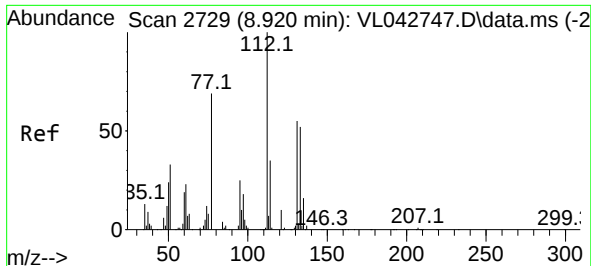
Tgt Ion:117 Resp: 410740
Ion Ratio Lower Upper
117 100
82 65.2 53.3 79.9
119 33.2 25.8 38.6



#56
1,1,1,2-Tetrachloroethane
Concen: 2.079 ppbv
RT: 8.920 min Scan# 2729
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion:131 Resp: 44409
Ion Ratio Lower Upper
131 100
133 102.1 76.8 115.2
119 54.2 49.7 74.5

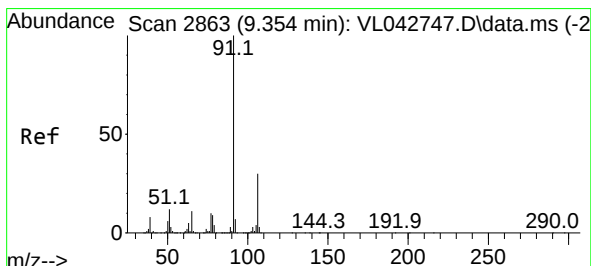
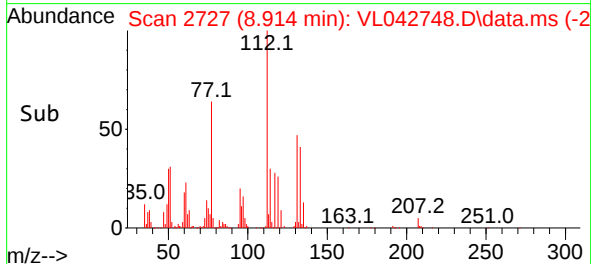
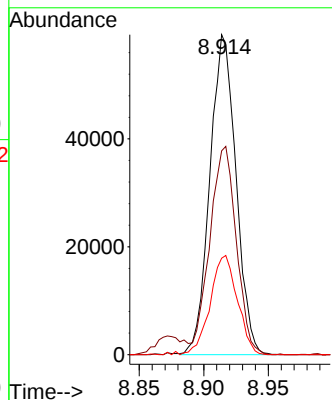
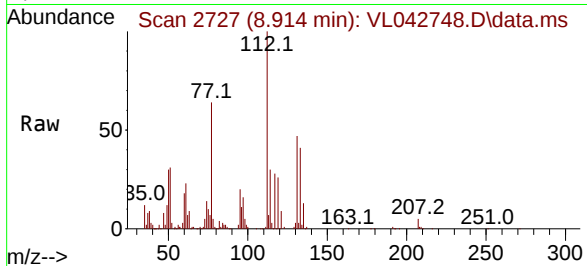




#57
Chlorobenzene
Concen: 2.101 ppbv
RT: 8.914 min Scan# 21
Delta R.T. -0.007 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

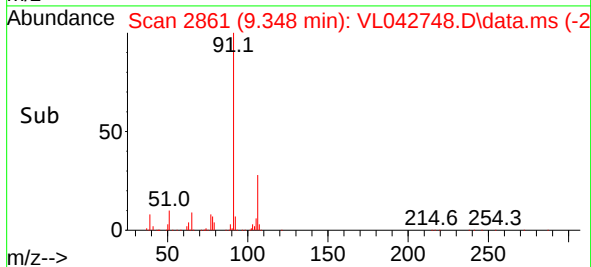
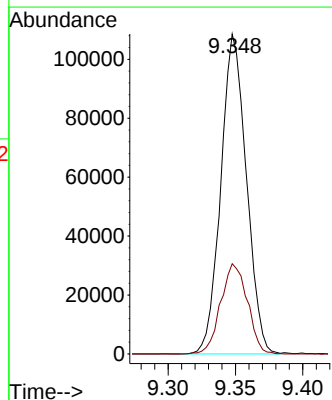
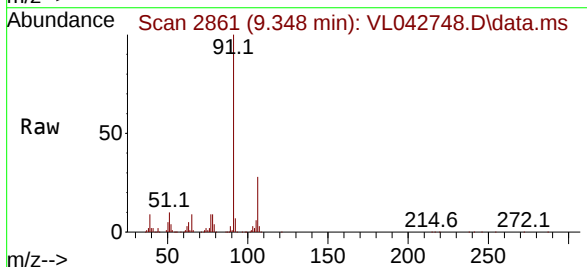
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

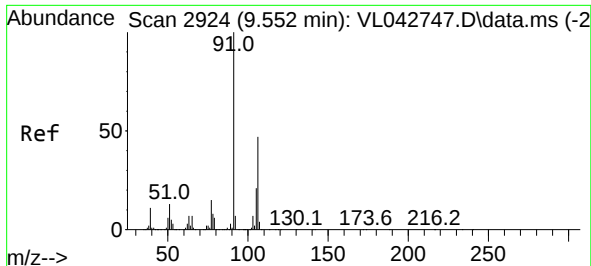
Tgt Ion:112 Resp: 83503
Ion Ratio Lower Upper
112 100
77 63.5 56.4 84.6
114 30.2 31.2 38.2#



#58
Ethyl Benzene
Concen: 2.208 ppbv
RT: 9.348 min Scan# 2861
Delta R.T. -0.007 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 91 Resp: 143251
Ion Ratio Lower Upper
91 100
106 28.2 23.8 35.6

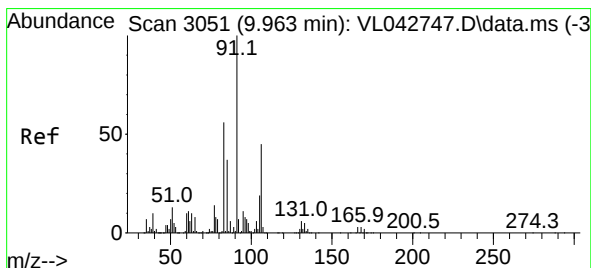
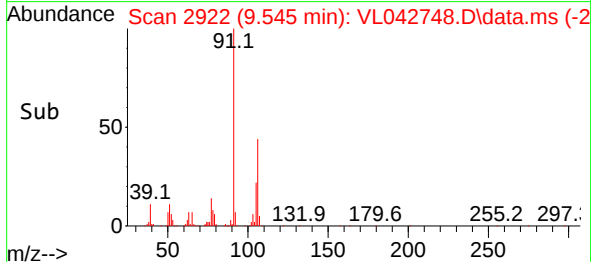
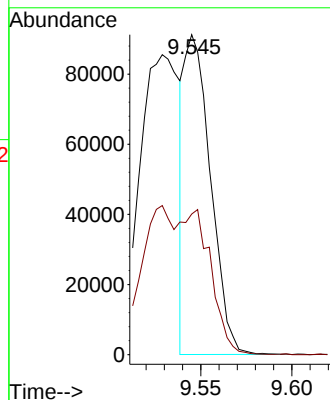
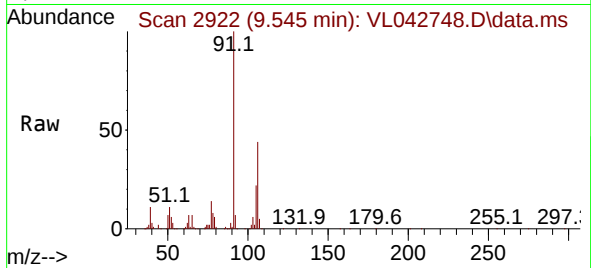




#59
m/p-Xylene
Concen: 1.758 ppbv
RT: 9.545 min Scan# 2924
Delta R.T. -0.007 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

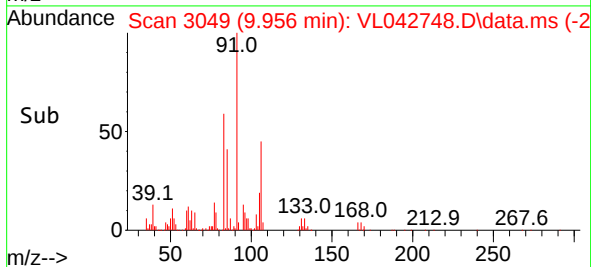
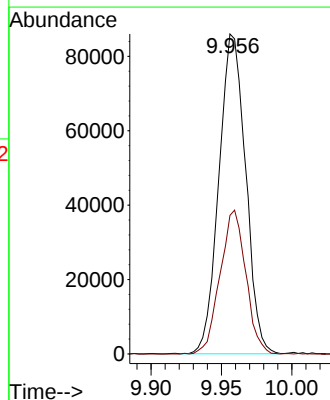
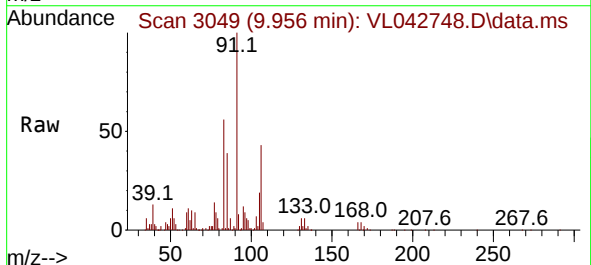
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

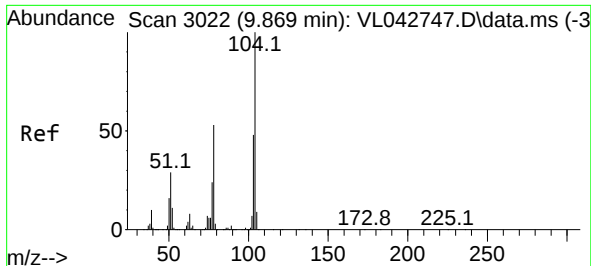
Tgt Ion: 91 Resp: 91147
Ion Ratio Lower Upper
91 100
106 0.0 37.4 56.2#



#60
o-Xylene
Concen: 2.190 ppbv
RT: 9.956 min Scan# 3049
Delta R.T. -0.007 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 91 Resp: 113462
Ion Ratio Lower Upper
91 100
106 43.4 22.0 66.0





#61

Styrene

Concen: 2.081 ppbv

RT: 9.865 min Scan# 3022

Delta R.T. -0.003 min

Lab File: VL042748.D

Acq: 23 Jul 2025 09:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

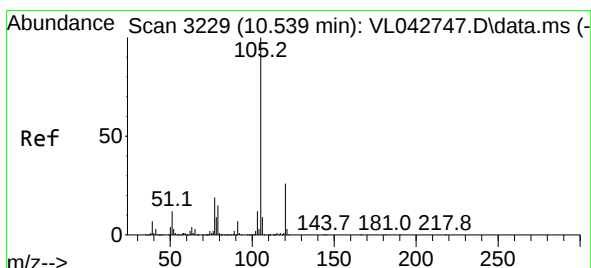
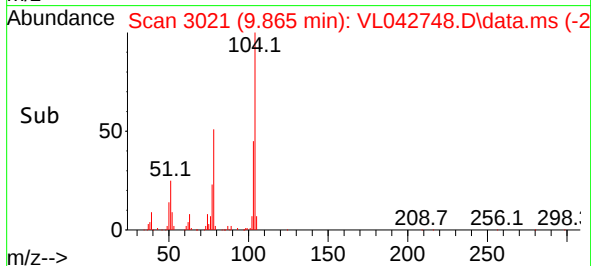
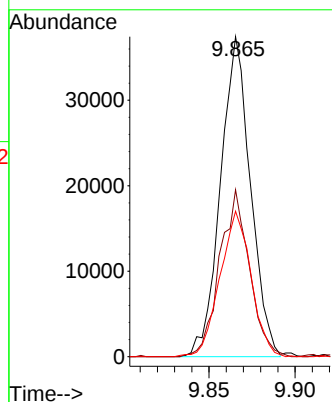
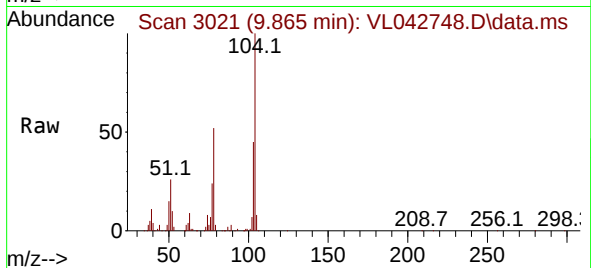
Tgt Ion:104 Resp: 45351

Ion Ratio Lower Upper

104 100

78 51.7 41.5 62.3

103 47.1 37.5 56.3



#62

Isopropylbenzene

Concen: 2.187 ppbv

RT: 10.535 min Scan# 3228

Delta R.T. -0.003 min

Lab File: VL042748.D

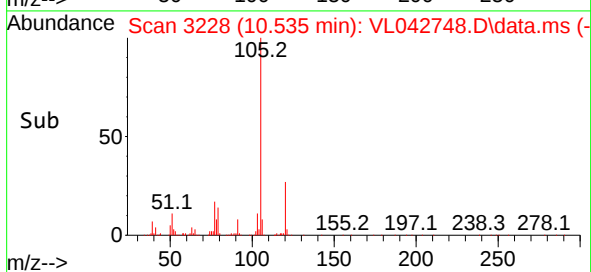
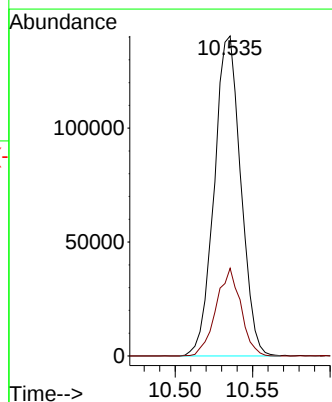
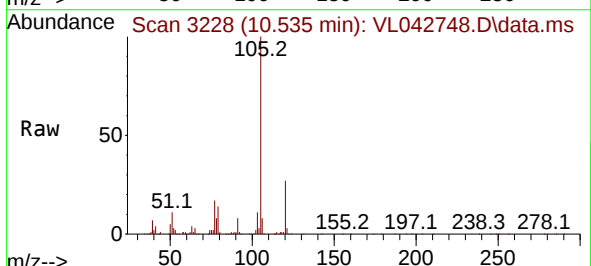
Acq: 23 Jul 2025 09:34

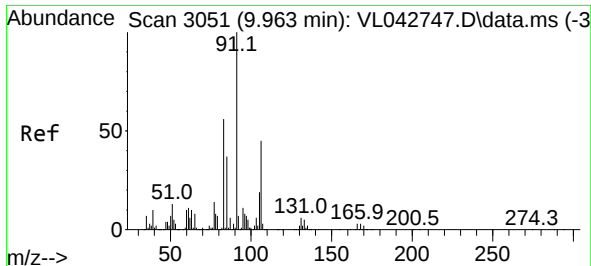
Tgt Ion:105 Resp: 167108

Ion Ratio Lower Upper

105 100

120 25.6 20.5 30.7





#63

1,1,2,2-Tetrachloroethane

Concen: 1.954 ppbv

RT: 9.959 min Scan# 3050

Delta R.T. -0.003 min

Lab File: VL042748.D

Acq: 23 Jul 2025 09:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

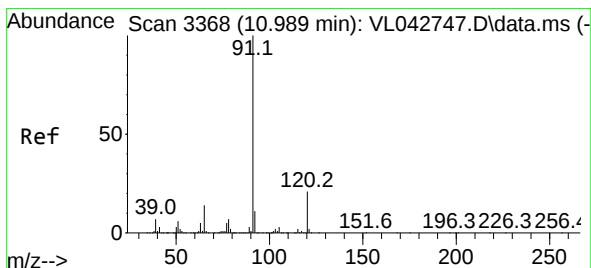
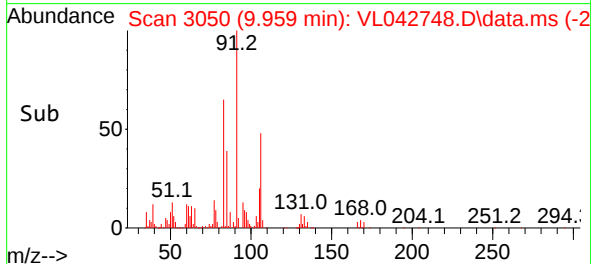
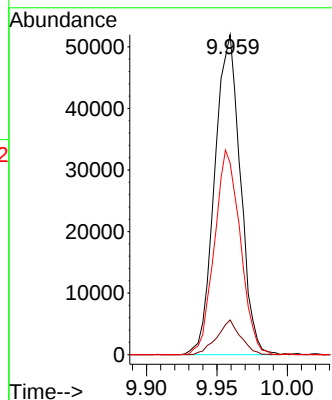
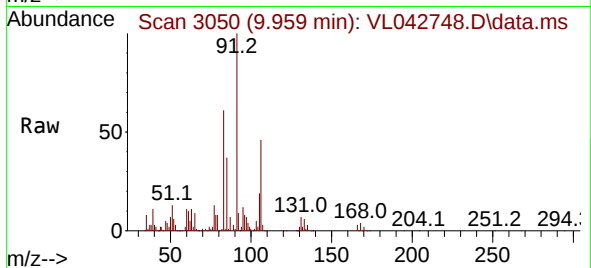
Tgt Ion: 83 Resp: 65928

Ion Ratio Lower Upper

83 100

131 10.1 5.0 15.0

85 64.7 32.6 97.7



#64

n-propylbenzene

Concen: 2.198 ppbv

RT: 10.982 min Scan# 3366

Delta R.T. -0.007 min

Lab File: VL042748.D

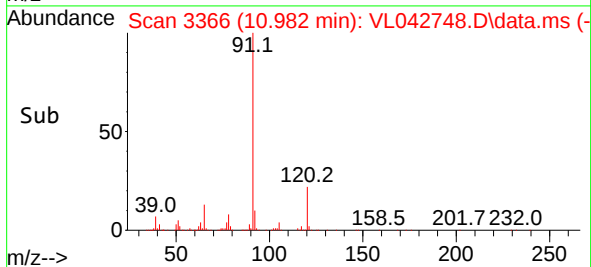
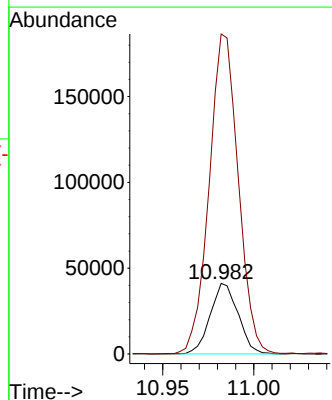
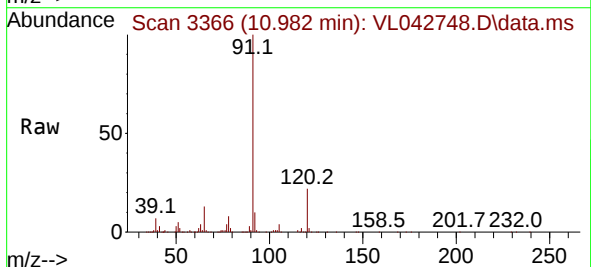
Acq: 23 Jul 2025 09:34

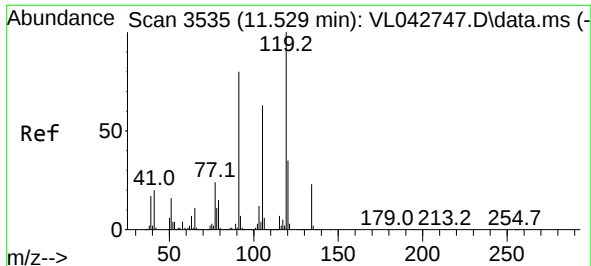
Tgt Ion: 120 Resp: 43789

Ion Ratio Lower Upper

120 100

91 472.1 372.7 559.1

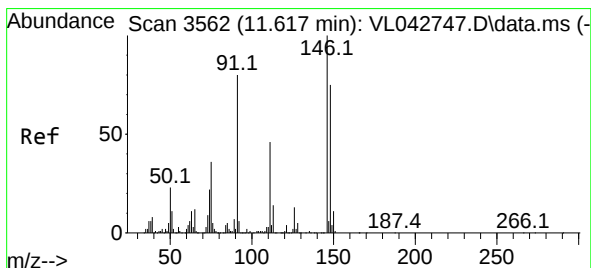
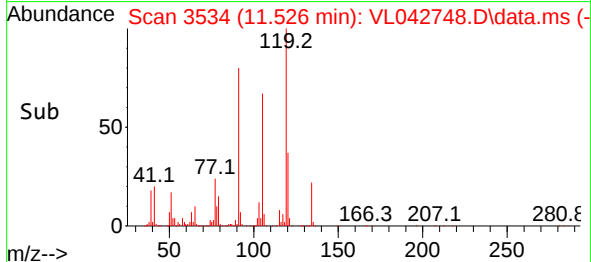
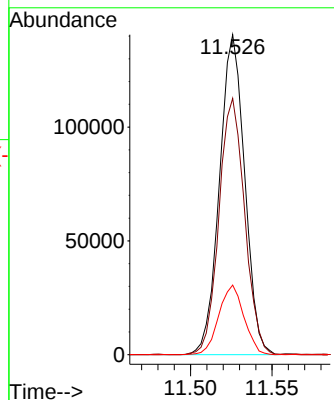
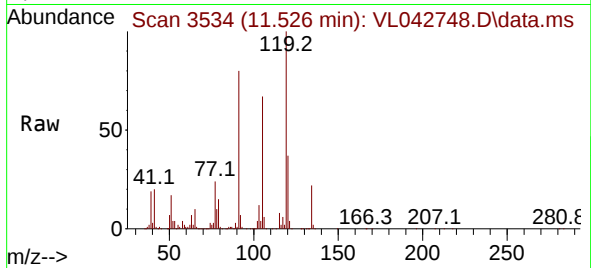




#65
tert-Butylbenzene
Concen: 2.226 ppbv
RT: 11.526 min Scan# 3534
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

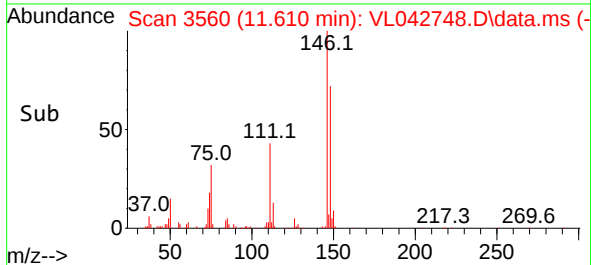
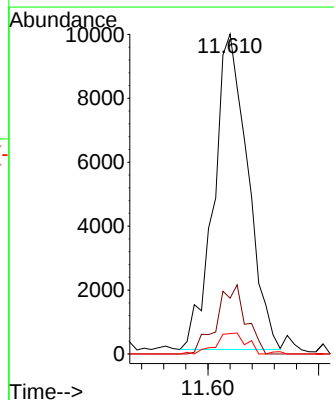
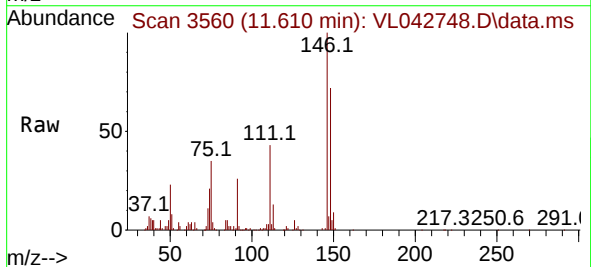
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

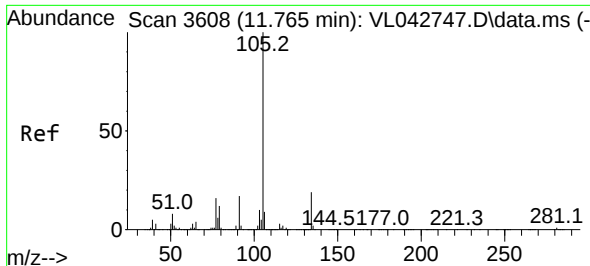
Tgt Ion:119 Resp: 151081
Ion Ratio Lower Upper
119 100
91 81.8 64.0 96.0
134 21.7 17.3 25.9



#66
Benzyl Chloride
Concen: 1.882 ppbv
RT: 11.610 min Scan# 3560
Delta R.T. -0.007 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion: 91 Resp: 10485
Ion Ratio Lower Upper
91 100
126 18.8 14.4 21.6
128 6.2 5.2 7.8

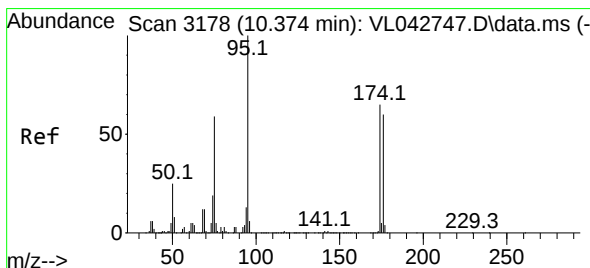
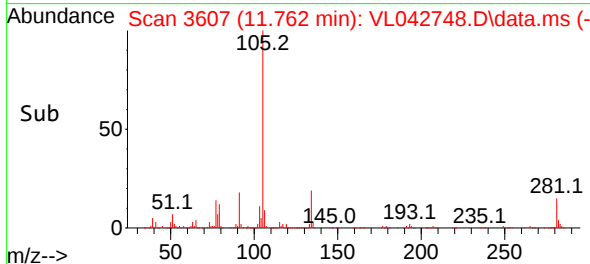
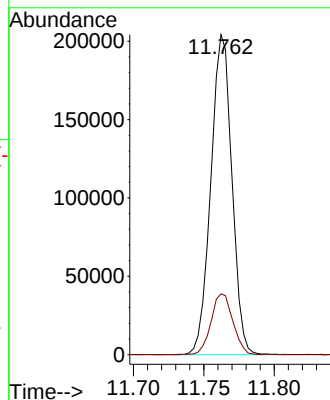
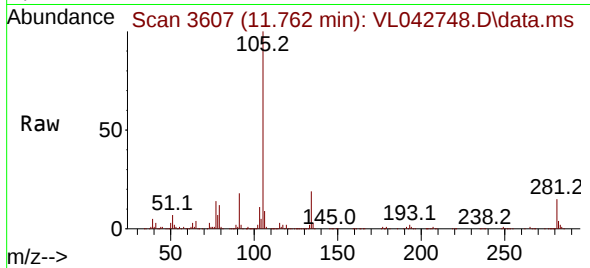




#67
 sec-Butylbenzene
 Concen: 2.206 ppbv
 RT: 11.762 min Scan# 3177
 Delta R.T. -0.003 min
 Lab File: VL042748.D
 Acq: 23 Jul 2025 09:34

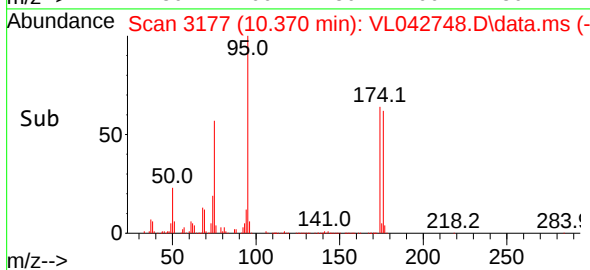
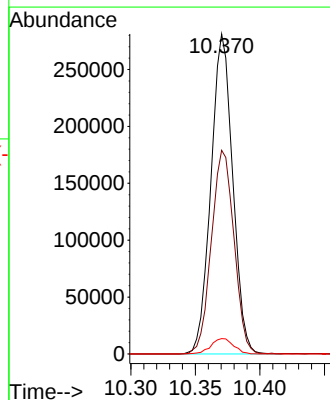
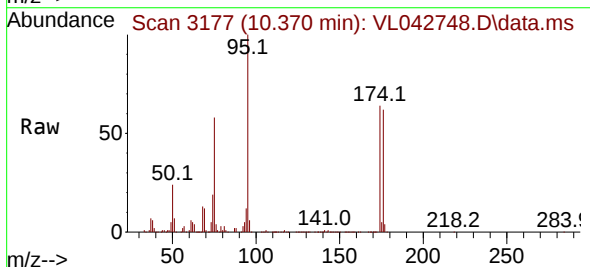
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC002

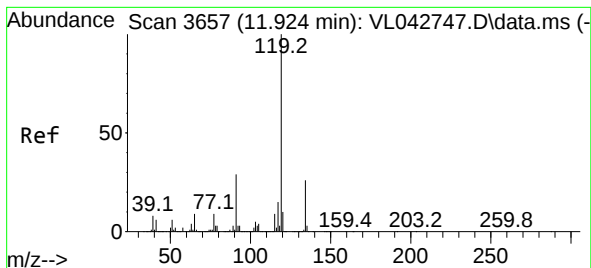
Tgt Ion:105 Resp: 212925
 Ion Ratio Lower Upper
 105 100
 134 19.8 15.5 23.3



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.160 ppbv
 RT: 10.370 min Scan# 3177
 Delta R.T. -0.003 min
 Lab File: VL042748.D
 Acq: 23 Jul 2025 09:34

Tgt Ion: 95 Resp: 330476
 Ion Ratio Lower Upper
 95 100
 174 66.2 53.8 80.6
 175 5.0 4.0 6.0





#69

p-Isopropyltoluene

Concen: 2.230 ppbv

RT: 11.921 min Scan# 3656

Delta R.T. -0.003 min

Lab File: VL042748.D

Acq: 23 Jul 2025 09:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

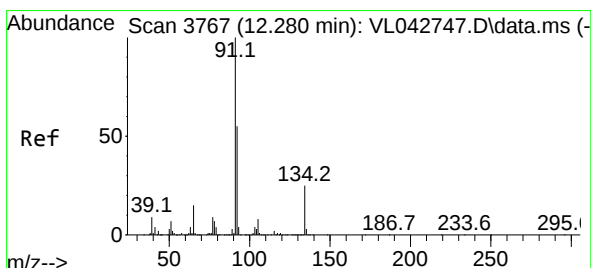
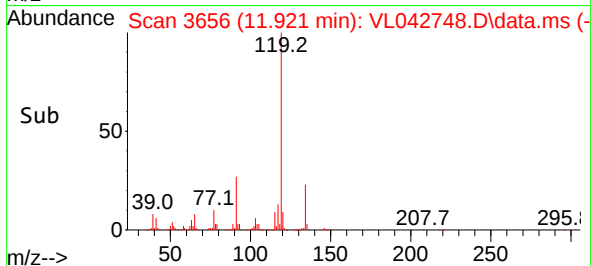
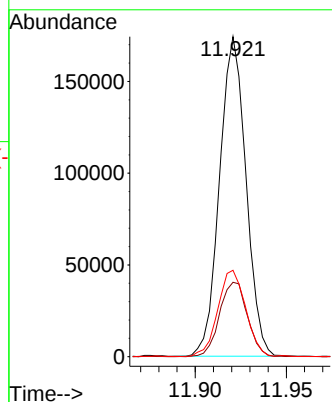
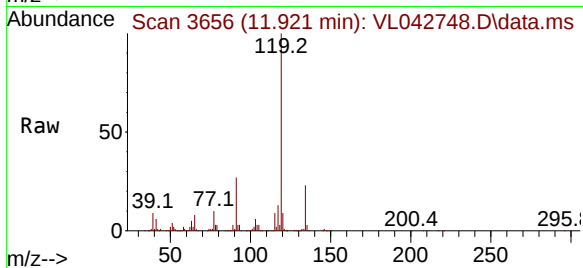
Tgt Ion:119 Resp: 175553

Ion Ratio Lower Upper

119 100

134 24.7 20.6 31.0

91 29.0 23.2 34.8



#70

n-Butylbenzene

Concen: 2.258 ppbv

RT: 12.277 min Scan# 3766

Delta R.T. -0.003 min

Lab File: VL042748.D

Acq: 23 Jul 2025 09:34

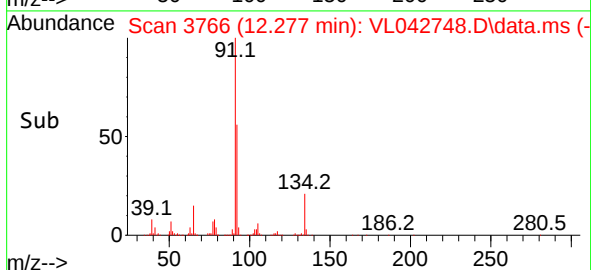
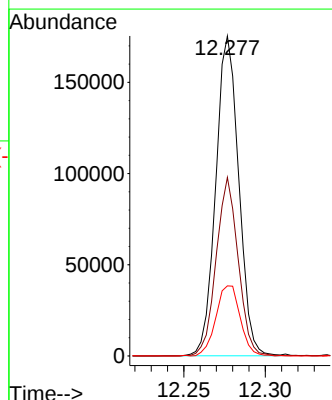
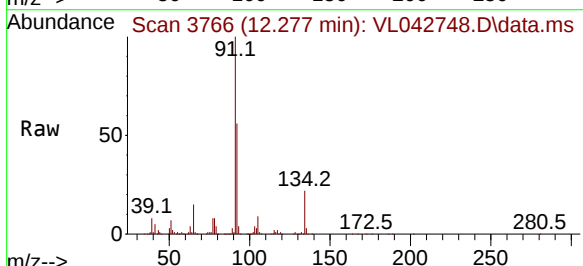
Tgt Ion: 91 Resp: 171675

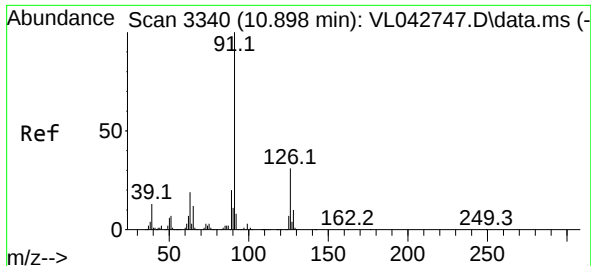
Ion Ratio Lower Upper

91 100

92 53.7 43.4 65.2

134 23.4 19.6 29.4

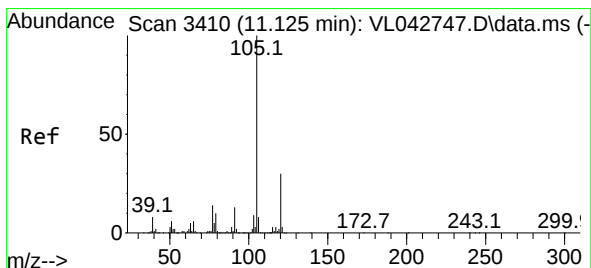
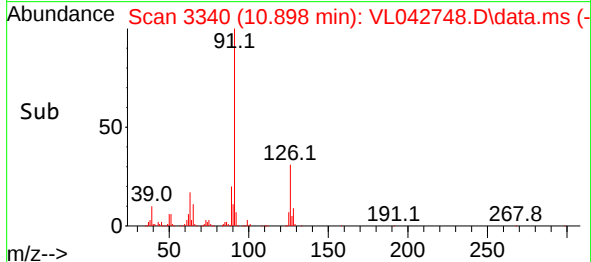
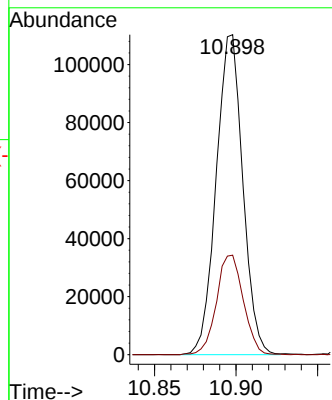
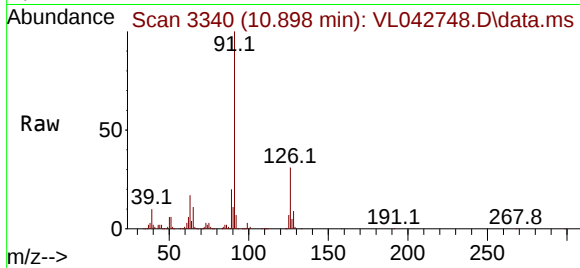




#71
2-Chlorotoluene
Concen: 2.134 ppbv
RT: 10.898 min Scan# 31
Delta R.T. -0.000 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

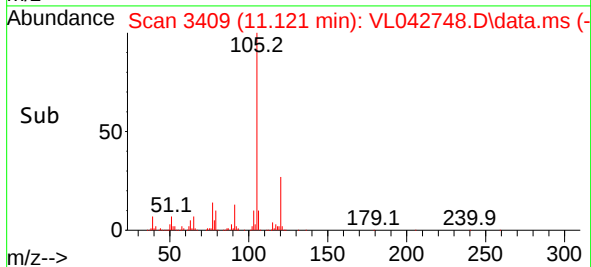
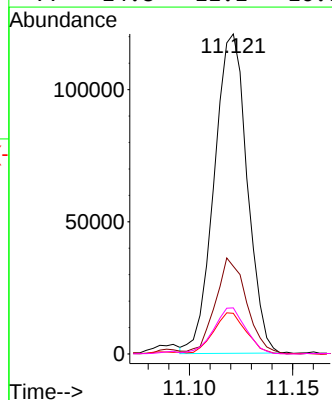
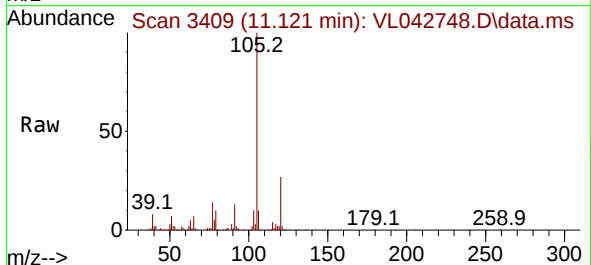
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

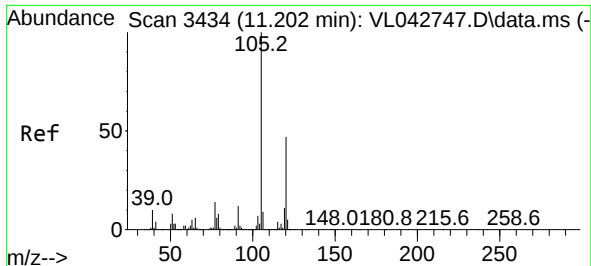
Tgt Ion: 91 Resp: 125039
Ion Ratio Lower Upper
91 100
126 31.4 12.0 48.2



#72
4-Ethyltoluene
Concen: 2.168 ppbv
RT: 11.121 min Scan# 3409
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion:105 Resp: 134097
Ion Ratio Lower Upper
105 100
120 29.7 24.4 36.6
91 13.7 10.6 15.8
77 14.8 11.1 16.7

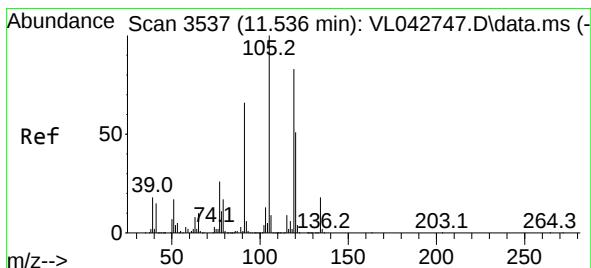
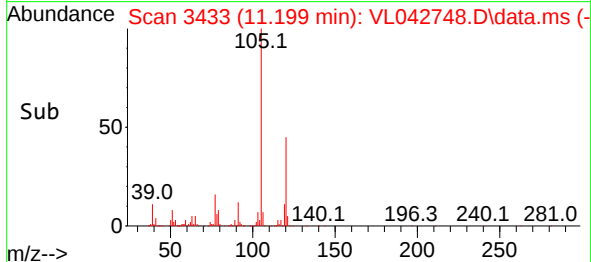
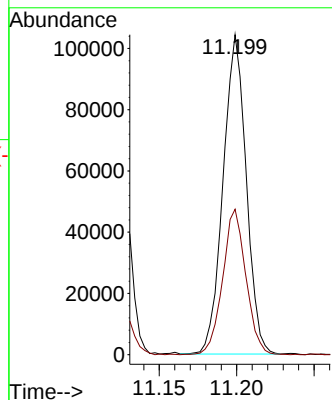
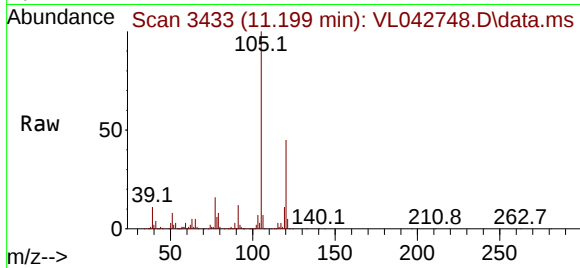




#73
1,3,5-Trimethylbenzene
Concen: 2.122 ppbv
RT: 11.199 min Scan# 3433
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

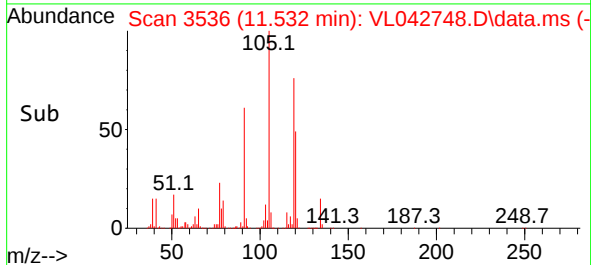
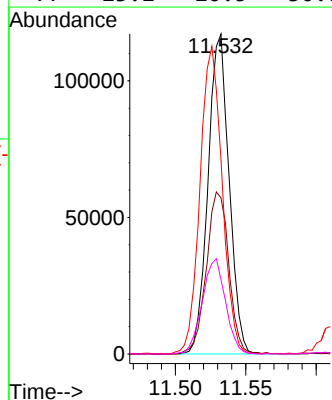
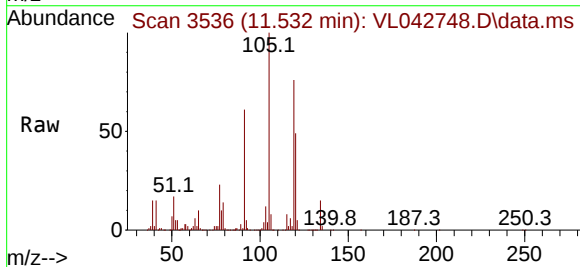
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

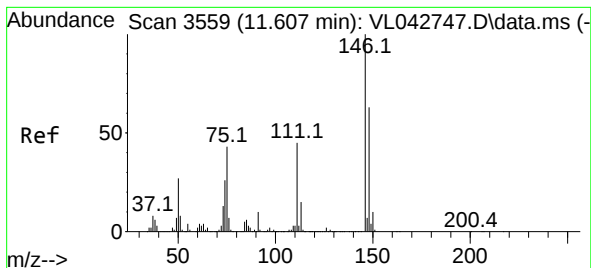
Tgt Ion:105 Resp: 108055
Ion Ratio Lower Upper
105 100
120 45.6 37.8 56.8



#74
1,2,4-Trimethylbenzene
Concen: 2.201 ppbv
RT: 11.532 min Scan# 3536
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion:105 Resp: 122295
Ion Ratio Lower Upper
105 100
120 48.6 40.8 61.2
91 60.6 53.0 79.4
77 23.2 20.5 30.7





#75

1,3-Dichlorobenzene

Concen: 2.188 ppbv

RT: 11.600 min Scan# 3559

Delta R.T. -0.007 min

Lab File: VL042748.D

Acq: 23 Jul 2025 09:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

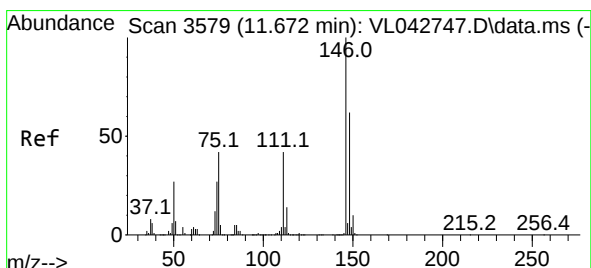
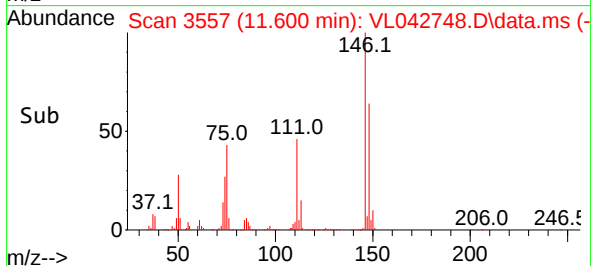
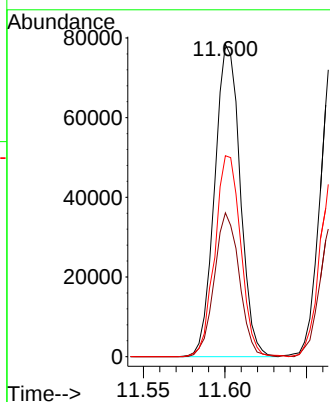
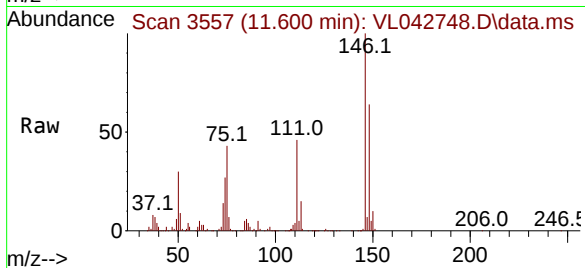
Tgt Ion:146 Resp: 85254

Ion Ratio Lower Upper

146 100

111 45.0 22.7 68.0

148 65.2 31.9 95.5



#76

1,4-Dichlorobenzene

Concen: 2.189 ppbv

RT: 11.665 min Scan# 3577

Delta R.T. -0.007 min

Lab File: VL042748.D

Acq: 23 Jul 2025 09:34

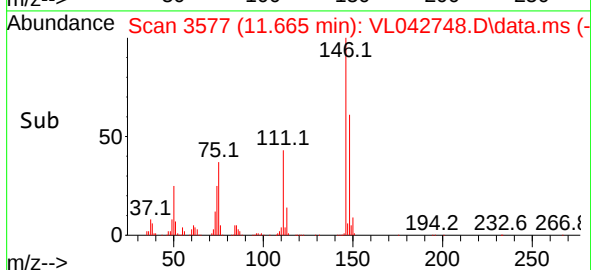
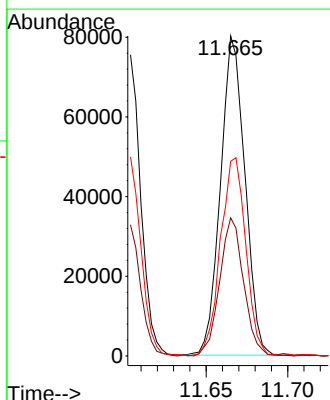
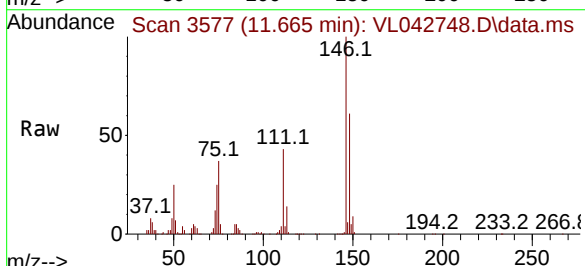
Tgt Ion:146 Resp: 83440

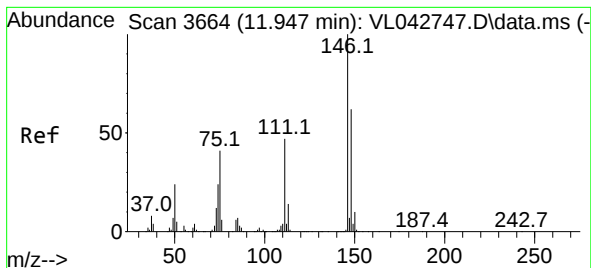
Ion Ratio Lower Upper

146 100

111 42.6 21.4 64.2

148 64.9 32.1 96.3





#77

1,2-Dichlorobenzene

Concen: 2.150 ppbv

RT: 11.943 min Scan# 3

Delta R.T. -0.003 min

Lab File: VL042748.D

Acq: 23 Jul 2025 09:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

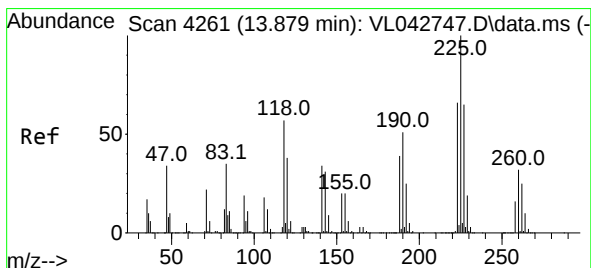
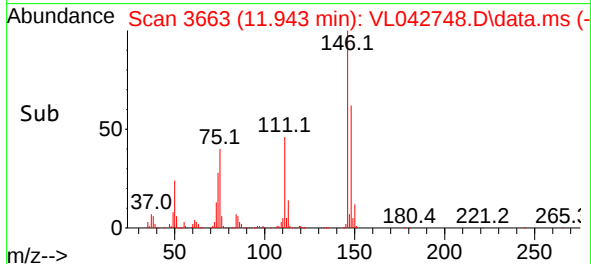
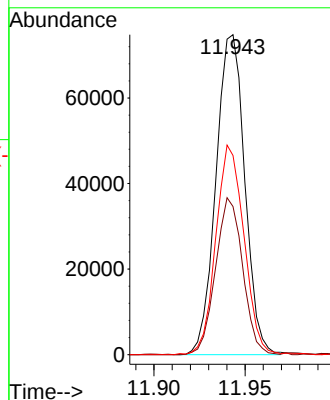
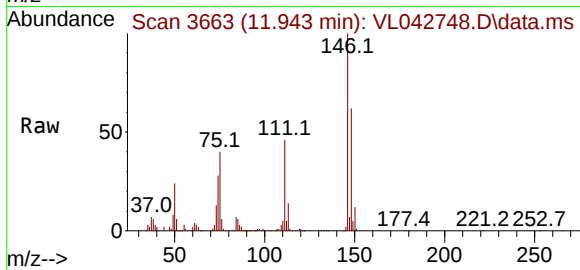
Tgt Ion:146 Resp: 82311

Ion Ratio Lower Upper

146 100

111 46.6 23.7 71.1

148 64.3 32.6 97.7



#78

Hexachloro-1,3-Butadiene

Concen: 2.259 ppbv

RT: 13.876 min Scan# 4260

Delta R.T. -0.003 min

Lab File: VL042748.D

Acq: 23 Jul 2025 09:34

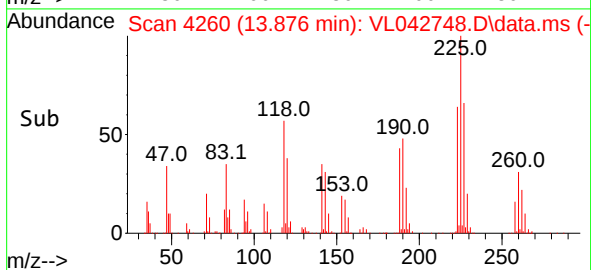
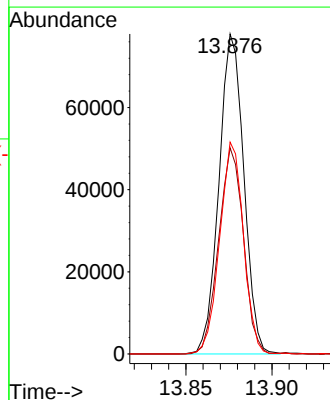
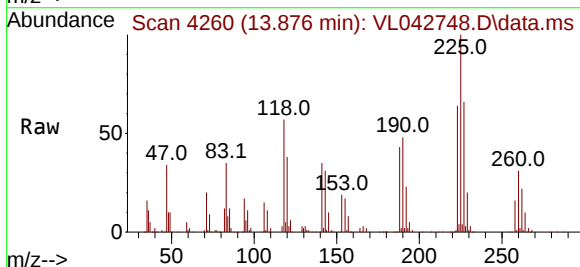
Tgt Ion:225 Resp: 78291

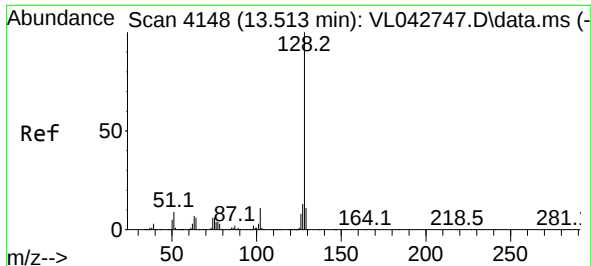
Ion Ratio Lower Upper

225 100

223 64.2 50.7 76.1

227 63.3 50.5 75.7

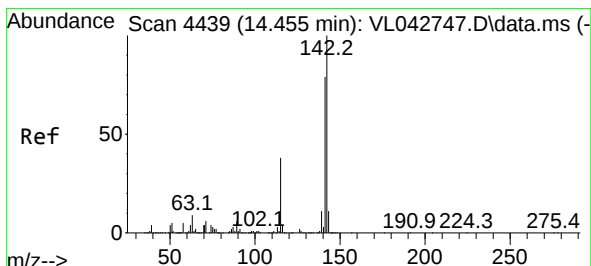
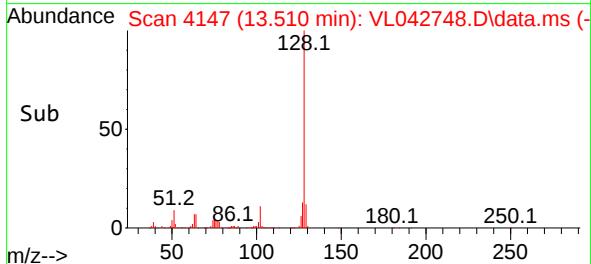
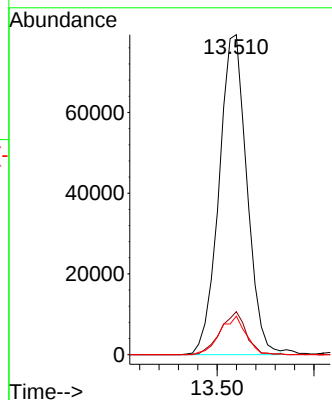
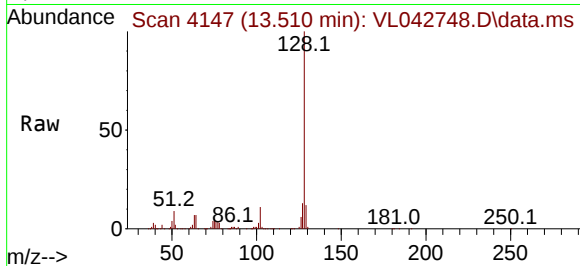




#79
Naphthalene
Concen: 1.690 ppbv
RT: 13.510 min Scan# 4148
Delta R.T. -0.003 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

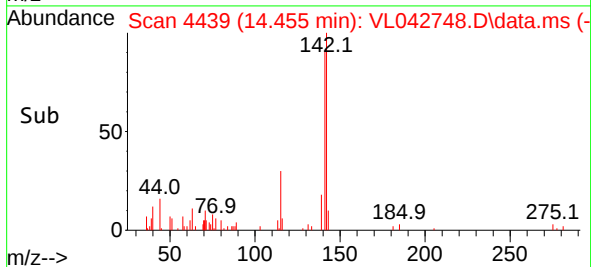
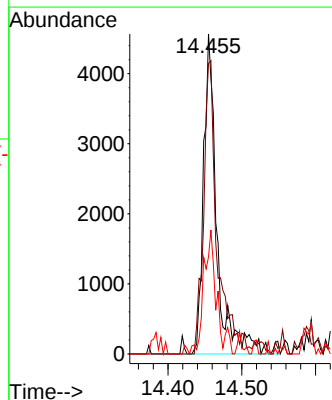
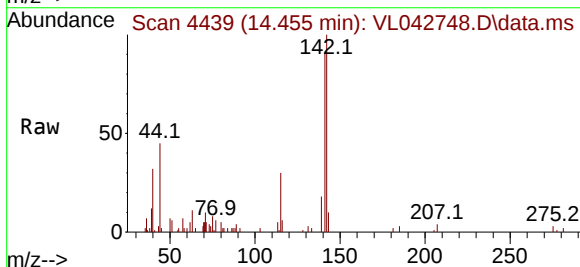
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

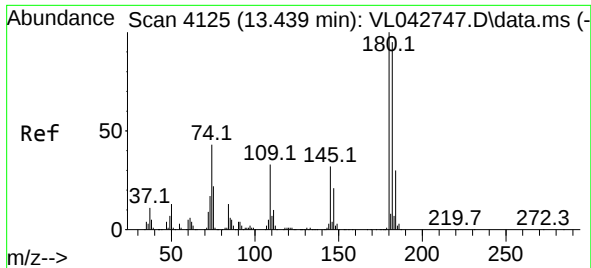
Tgt Ion:128 Resp: 79191
Ion Ratio Lower Upper
128 100
127 13.5 10.5 15.7
129 12.1 8.6 13.0



#80
Naphthalene,2-methyl-
Concen: 1.298 ppbv
RT: 14.455 min Scan# 4439
Delta R.T. -0.000 min
Lab File: VL042748.D
Acq: 23 Jul 2025 09:34

Tgt Ion:142 Resp: 5851
Ion Ratio Lower Upper
142 100
141 94.9 65.8 98.8
115 40.3 31.2 46.8





#81

1,2,4-Trichlorobenzene

Concen: 1.888 ppbv

RT: 13.435 min Scan# 41

Delta R.T. -0.003 min

Lab File: VL042748.D

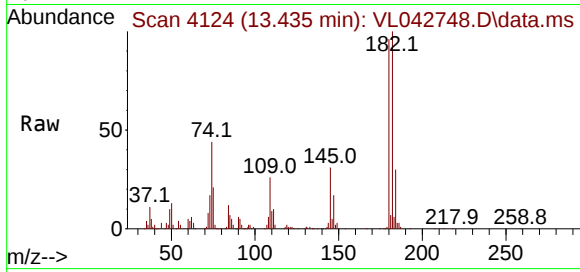
Acq: 23 Jul 2025 09:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002



Tgt Ion:180 Resp: 51515

Ion Ratio Lower Upper

180 100

182 94.3 76.2 114.2

184 30.9 24.8 37.2

