

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051225\
 Data File : VL042532.D
 Acq On : 12 May 2025 12:58
 Operator : SY/MD
 Sample : VSTDICC002
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002

Quant Time: May 12 23:50:30 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL051225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Mon May 12 23:42:45 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.784	49	103341	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	300628	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	251305	10.000	ppbv	0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	223868	10.238	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.400%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.496	85	34904	2.080	ppbv	96
3) Chlorodifluoromethane	1.473	51	37203	2.175	ppbv	99
4) Chloromethane	1.528	50	15355	2.242	ppbv	98
5) Vinyl Chloride	1.577	62	13527	1.930	ppbv	100
6) Bromomethane	1.664	94	6881	2.068	ppbv	92
7) Chloroethane	1.703	64	6123	2.220	ppbv #	86
8) Dichlorotetrafluoroethane	1.551	85	29662	2.054	ppbv	98
9) Propene	1.479	41	3429	0.923	ppbv #	1
10) Heptane	4.975	43	28195	1.991	ppbv	97
11) Trichlorofluoromethane	1.874	101	34879	2.161	ppbv	92
12) 1,1,2-Trichlorotrifluo...	2.136	101	27757	2.141	ppbv	95
13) Ethanol	1.719	45	1983	1.956	ppbv	89
14) Bromoethene	1.780	108	10359	2.192	ppbv	95
15) Acetone	1.832	43	37463	2.269	ppbv	98
16) 1,3-Butadiene	1.606	39	15833	2.132	ppbv	95
17) tert-Butyl alcohol	2.039	59	30915	2.026	ppbv	98
18) 1,1-Dichloroethene	2.033	96	11781	2.073	ppbv	87
19) Isopropyl Alcohol	1.884	45	18501	2.062	ppbv #	95
20) Methylene Chloride	2.059	84	11357	1.975	ppbv	93
21) Allyl Chloride	2.094	41	22565	2.064	ppbv	96
22) trans-1,2-Dichloroethene	2.337	96	14573	2.193	ppbv	81
23) Vinyl Acetate	2.460	43	34320	1.985	ppbv #	97
24) 1,1-Dichloroethane	2.405	63	27421	2.132	ppbv	99
25) Ethyl Acetate	2.836	43	61595	2.124	ppbv	100
26) Hexane	2.823	57	23715	1.992	ppbv	86
27) Carbon Disulfide	2.146	76	31735	2.065	ppbv #	94
28) Methyl tert-Butyl Ether	2.438	73	13425	2.030	ppbv	94
29) Chloroform	2.845	83	51800	2.098	ppbv	97
30) Cyclohexane	3.855	84	18925	1.936	ppbv	94
31) cis-1,2-Dichloroethene	2.719	61	26277	1.955	ppbv	88
32) 1,1,1-Trichloroethane	3.363	97	50640	2.033	ppbv	98
34) 2-Butanone	2.557	43	39851	2.011	ppbv	98
35) Carbon Tetrachloride	3.761	117	54873	2.030	ppbv	89
36) Benzene	3.651	78	52942	1.987	ppbv	99
37) 1,2-Dichloroethane	3.214	62	39974	2.103	ppbv	100
38) Trichloroethene	4.541	130	13452	1.182	ppbv	96
39) 1,2-Dichloropropane	4.312	63	19038	1.920	ppbv	92
40) 1,4-Dioxane	4.590	88	4869	1.231	ppbv #	25
41) Tetrahydrofuran	3.059	42	16817	1.968	ppbv	98
42) Bromodichloromethane	4.490	83	52451	2.072	ppbv	92
43) Methyl Methacrylate	4.871	69	6876	0.773	ppbv #	1
44) 2,2,4-Trimethylpentane	4.632	57	45642	1.091	ppbv #	40
45) t-1,3-Dichloropropene	6.412	75	19945	1.756	ppbv	98

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

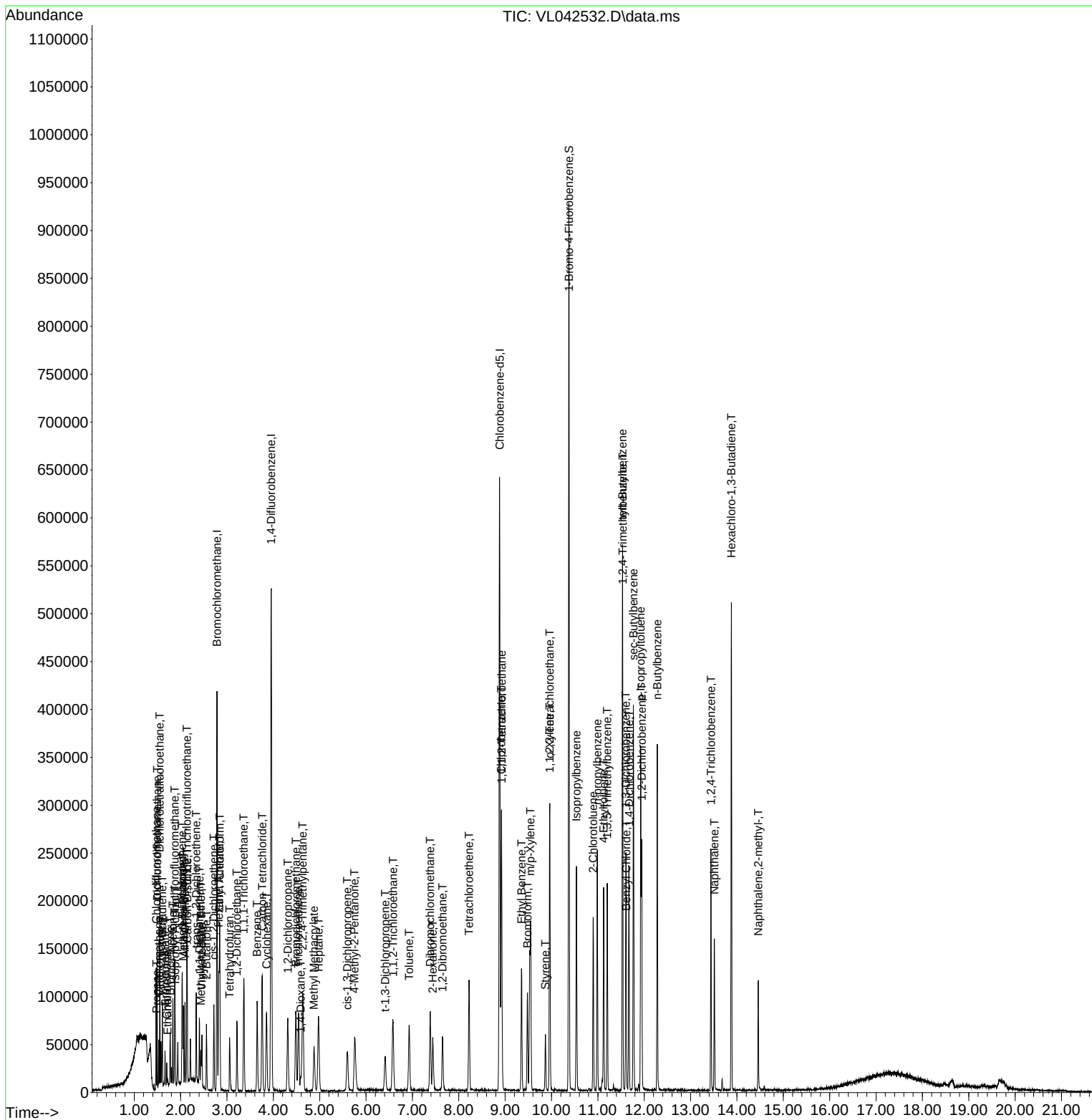
Instrument :
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 ClientSampleId :
 VSTDICC002

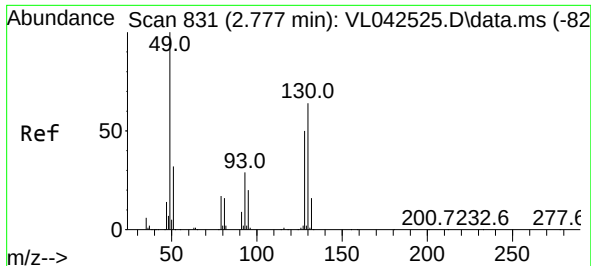
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL051225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Mon May 12 23:42:45 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.593	75	13533	0.988	ppbv	96
47) 1,1,2-Trichloroethane	6.584	97	10013	0.857	ppbv	95
48) Dibromochloromethane	7.383	129	40163	2.058	ppbv	99
49) Bromoform	9.480	173	32916	2.056	ppbv	98
50) 4-Methyl-2-Pentanone	5.752	43	46331	1.994	ppbv	96
51) 2-Hexanone	7.438	43	33088	1.916	ppbv #	96
52) Tetrachloroethene	8.221	164	19118	1.863	ppbv	94
53) Toluene	6.930	91	49216	1.882	ppbv	96
54) 1,2-Dibromoethane	7.648	107	33420	1.958	ppbv	99
56) 1,1,1,2-Tetrachloroethane	8.924	131	33013	2.119	ppbv	94
57) Chlorobenzene	8.917	112	54172	2.147	ppbv	92
58) Ethyl Benzene	9.351	91	66256	1.934	ppbv	91
59) m/p-Xylene	9.545	91	78521	2.577	ppbv #	100
60) o-Xylene	9.963	91	64958	2.188	ppbv	99
61) Styrene	9.869	104	19477	1.781	ppbv	98
62) Isopropylbenzene	10.539	105	96054	2.147	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.959	83	49909	2.096	ppbv	98
64) n-propylbenzene	10.989	120	25286	2.230	ppbv	93
65) tert-Butylbenzene	11.529	119	93604	2.278	ppbv	97
66) Benzyl Chloride	11.613	91	11128	2.047	ppbv	96
67) sec-Butylbenzene	11.765	105	136432	2.316	ppbv	100
69) p-Isopropyltoluene	11.924	119	112913	2.332	ppbv	98
70) n-Butylbenzene	12.280	91	112776	2.357	ppbv	96
71) 2-Chlorotoluene	10.898	91	68153	2.012	ppbv	97
72) 4-Ethyltoluene	11.125	105	79670	2.162	ppbv	96
73) 1,3,5-Trimethylbenzene	11.202	105	71983	2.242	ppbv	99
74) 1,2,4-Trimethylbenzene	11.536	105	96474	2.443	ppbv	94
75) 1,3-Dichlorobenzene	11.604	146	54948	2.221	ppbv	98
76) 1,4-Dichlorobenzene	11.672	146	53480	2.272	ppbv	97
77) 1,2-Dichlorobenzene	11.947	146	59194	2.317	ppbv	98
78) Hexachloro-1,3-Butadiene	13.879	225	49456	2.258	ppbv	97
79) Naphthalene	13.513	128	69902	2.564	ppbv	99
80) Naphthalene,2-methyl-	14.458	142	29203	1.841	ppbv	95
81) 1,2,4-Trichlorobenzene	13.439	180	37757	2.268	ppbv	98

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL051225AIR.M
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QLast Update : Mon May 12 23:42:45 2025
Response via : Initial Calibration

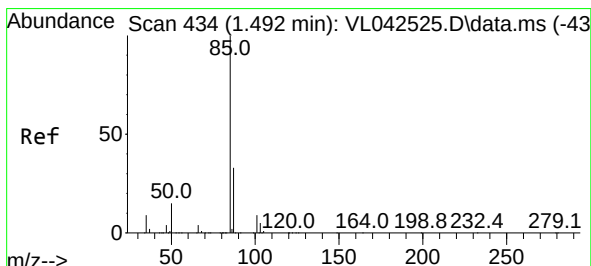
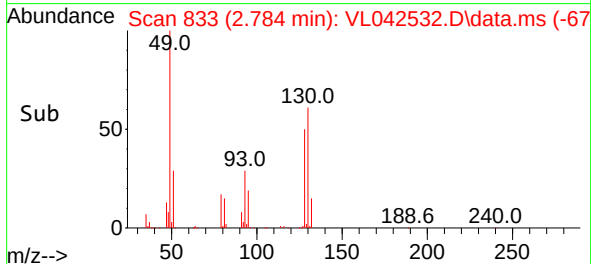
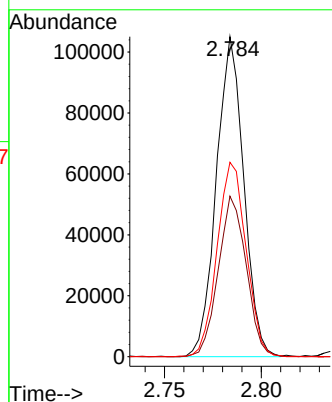
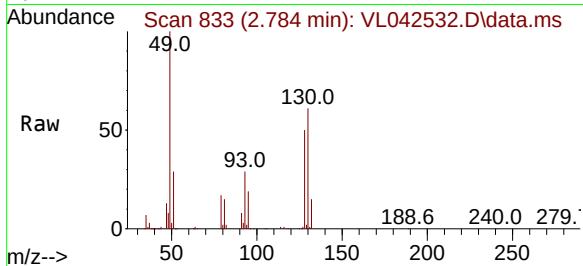




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 81
Delta R.T. 0.007 min
Lab File: VL042532.D
Acq: 12 May 2025 12:58

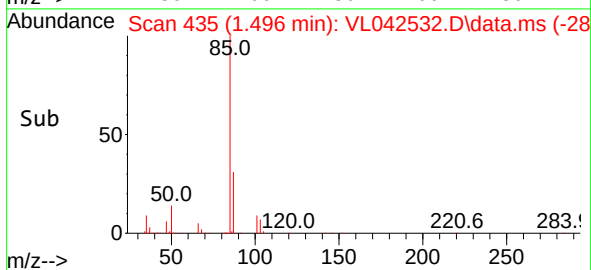
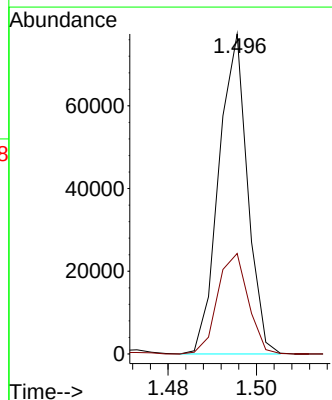
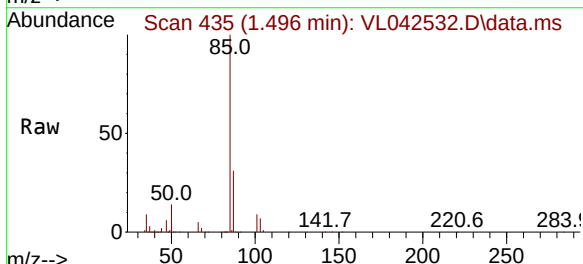
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

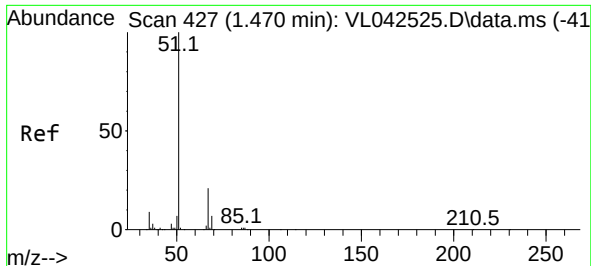
Tgt Ion: 49 Resp: 103341
Ion Ratio Lower Upper
49 100
128 51.0 24.9 74.6
130 64.2 32.5 97.5



#2
Dichlorodifluoromethane
Concen: 2.080 ppbv
RT: 1.496 min Scan# 435
Delta R.T. 0.003 min
Lab File: VL042532.D
Acq: 12 May 2025 12:58

Tgt Ion: 85 Resp: 34904
Ion Ratio Lower Upper
85 100
87 31.4 26.8 40.2

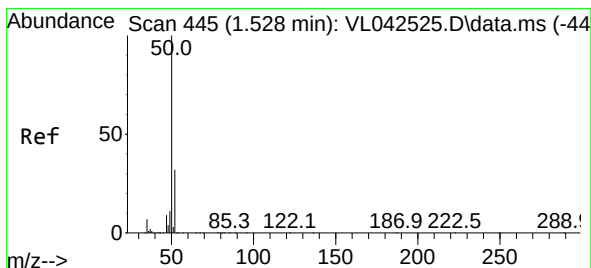
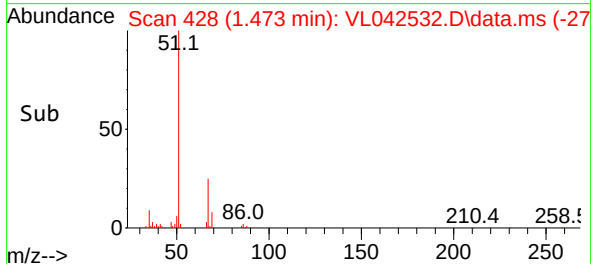
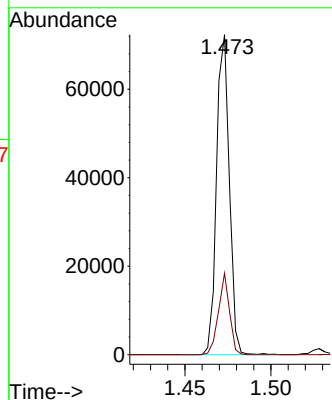
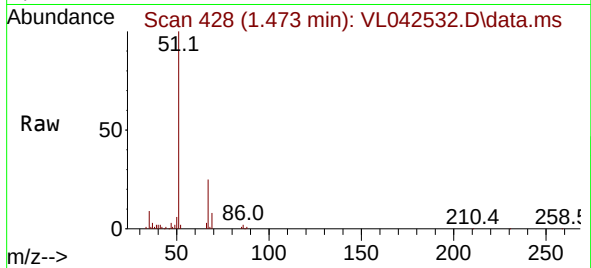




#3
Chlorodifluoromethane
Concen: 2.175 ppbv
RT: 1.473 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL042532.D
Acq: 12 May 2025 12:58

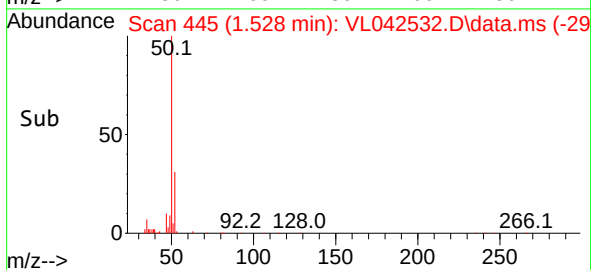
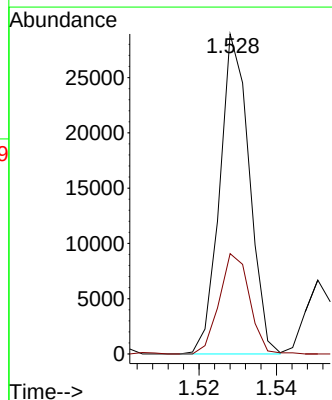
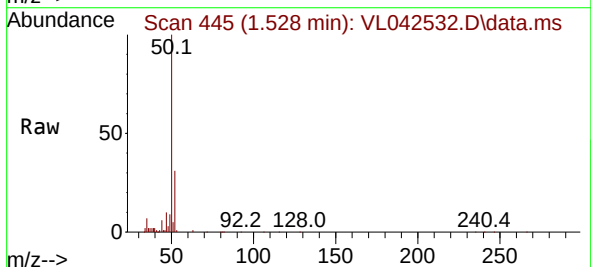
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC002

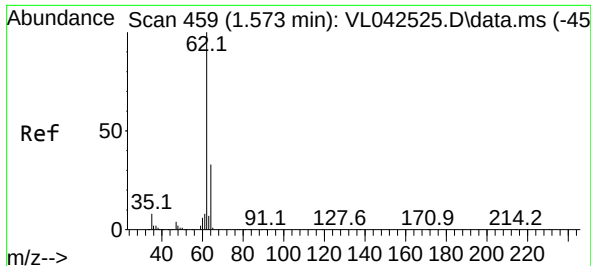
Tgt Ion: 51 Resp: 37203
Ion Ratio Lower Upper
51 100
67 22.0 17.4 26.0



#4
Chloromethane
Concen: 2.242 ppbv
RT: 1.528 min Scan# 445
Delta R.T. -0.000 min
Lab File: VL042532.D
Acq: 12 May 2025 12:58

Tgt Ion: 50 Resp: 15355
Ion Ratio Lower Upper
50 100
52 31.3 25.9 38.9

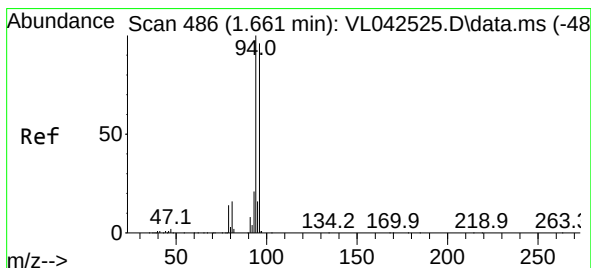
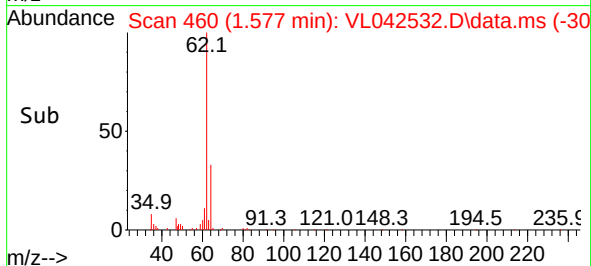
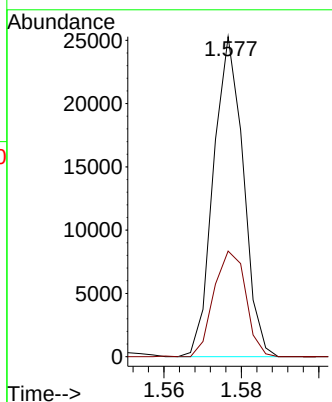
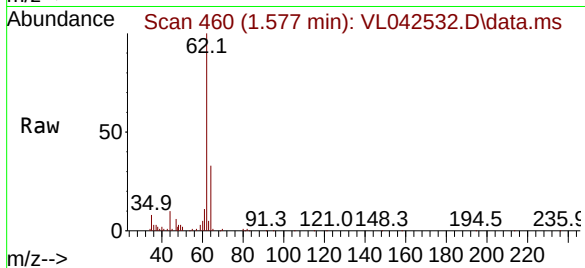




#5
 Vinyl Chloride
 Concen: 1.930 ppbv
 RT: 1.577 min Scan# 459
 Delta R.T. 0.003 min
 Lab File: VL042532.D
 Acq: 12 May 2025 12:58

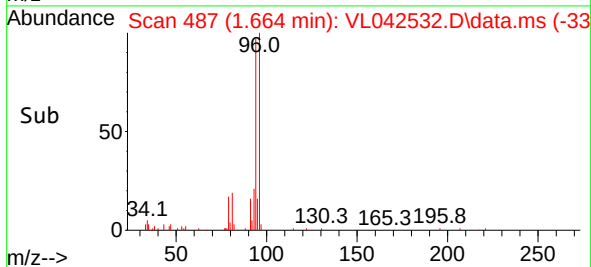
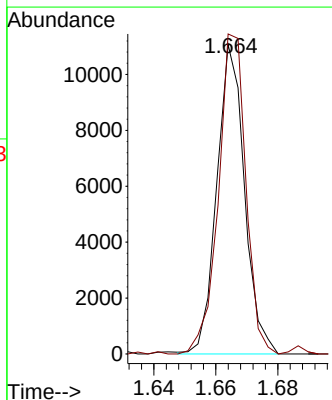
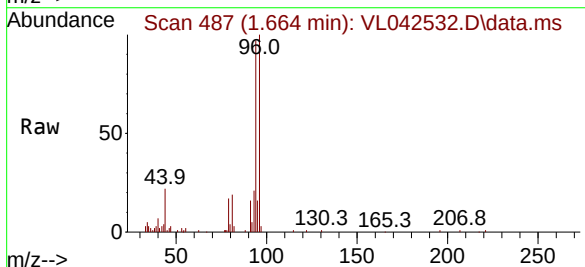
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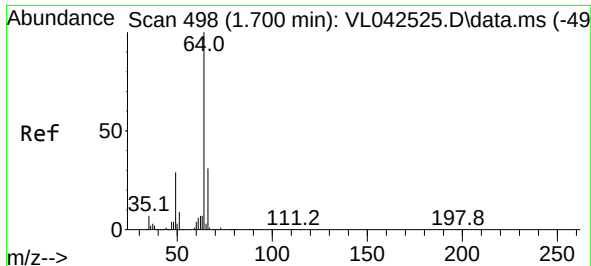
Tgt Ion: 62 Resp: 13527
 Ion Ratio Lower Upper
 62 100
 64 33.0 26.5 39.7



#6
 Bromomethane
 Concen: 2.068 ppbv
 RT: 1.664 min Scan# 487
 Delta R.T. 0.003 min
 Lab File: VL042532.D
 Acq: 12 May 2025 12:58

Tgt Ion: 94 Resp: 6881
 Ion Ratio Lower Upper
 94 100
 96 103.4 76.9 115.3

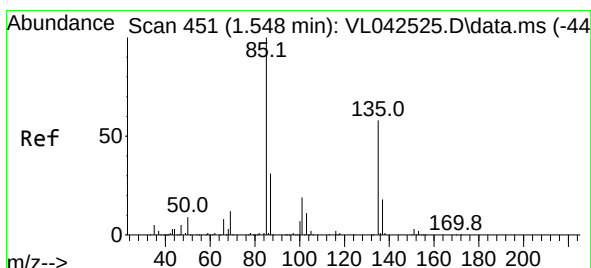
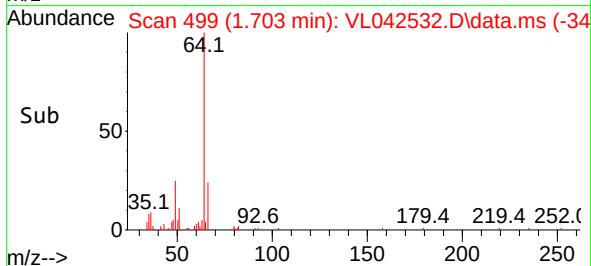
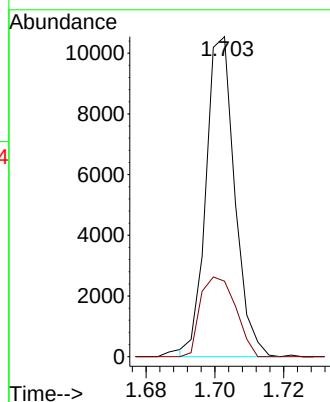
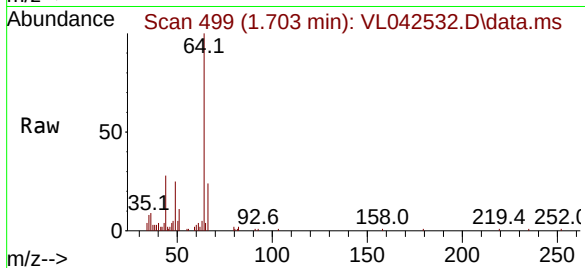




#7
Chloroethane
Concen: 2.220 ppbv
RT: 1.703 min Scan# 499
Delta R.T. 0.003 min
Lab File: VL042532.D
Acq: 12 May 2025 12:58

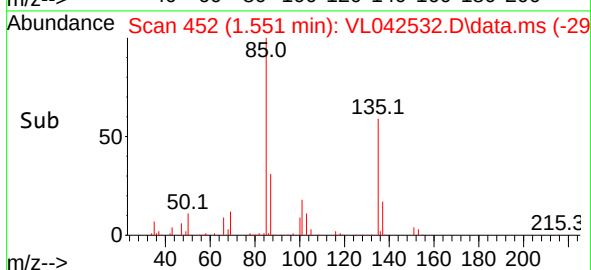
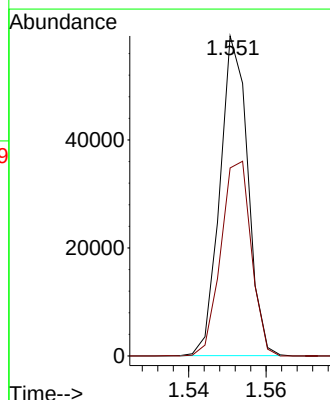
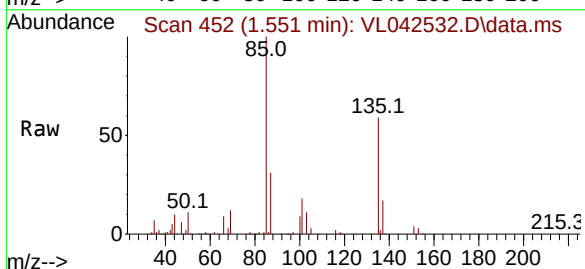
Instrument :
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ClientSampleId :
VSTDIC002

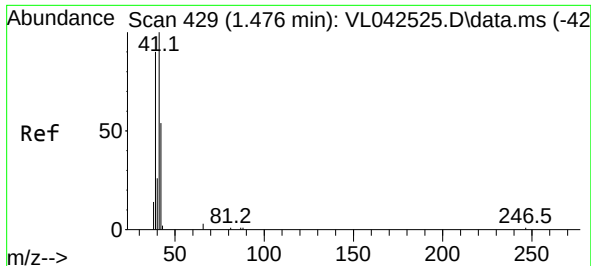
Tgt Ion: 64 Resp: 6123
Ion Ratio Lower Upper
64 100
66 23.6 25.1 37.7#



#8
Dichlorotetrafluoroethane
Concen: 2.054 ppbv
RT: 1.551 min Scan# 452
Delta R.T. 0.003 min
Lab File: VL042532.D
Acq: 12 May 2025 12:58

Tgt Ion: 85 Resp: 29662
Ion Ratio Lower Upper
85 100
135 66.6 51.8 77.8





#9

Propene

Concen: 0.923 ppbv

RT: 1.479 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL042532.D

Acq: 12 May 2025 12:58

Instrument :

MSVOA_L

ClientSampleId :

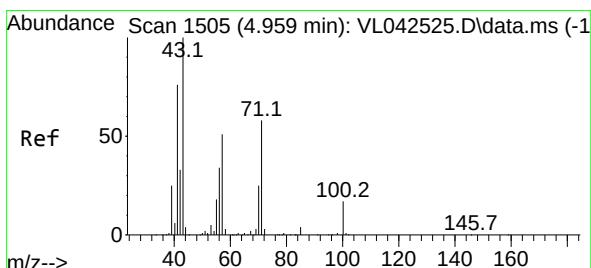
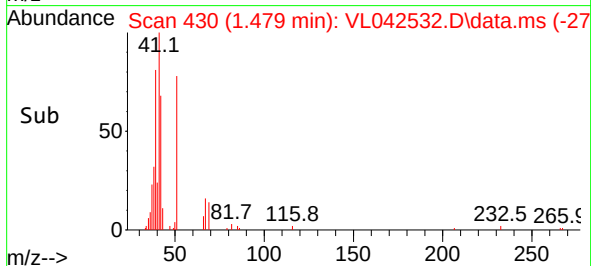
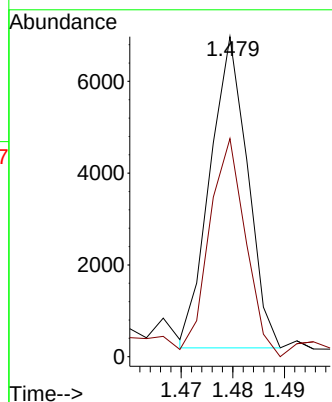
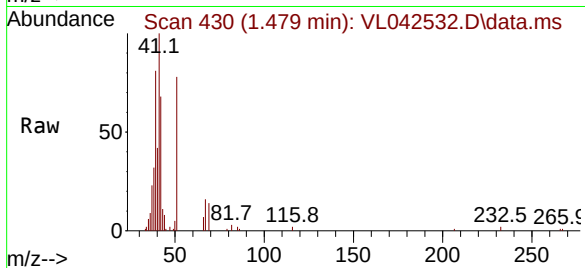
VSTDIC002

Tgt Ion: 41 Resp: 3429

Ion Ratio Lower Upper

41 100

42 86.6 4.1 6.1#



#10

Heptane

Concen: 1.991 ppbv

RT: 4.975 min Scan# 1510

Delta R.T. 0.016 min

Lab File: VL042532.D

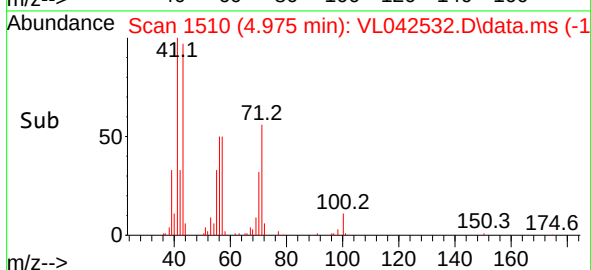
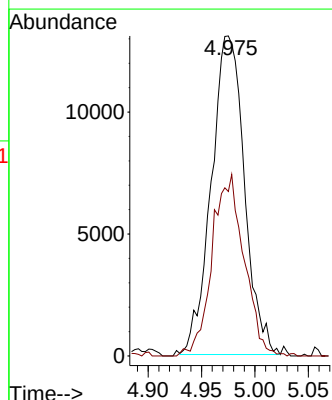
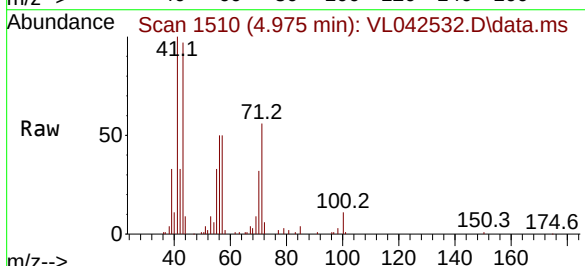
Acq: 12 May 2025 12:58

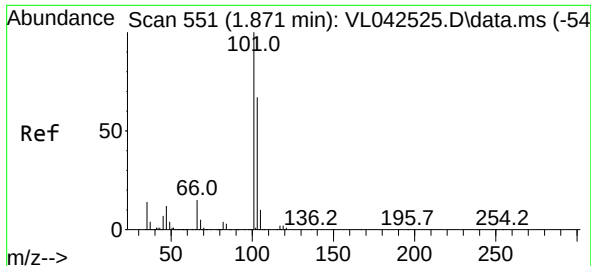
Tgt Ion: 43 Resp: 28195

Ion Ratio Lower Upper

43 100

57 55.0 42.1 63.1

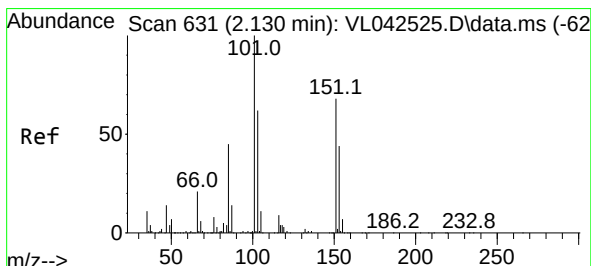
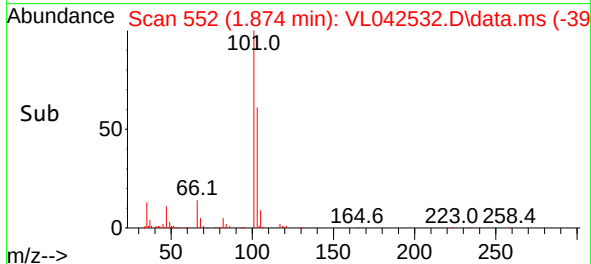
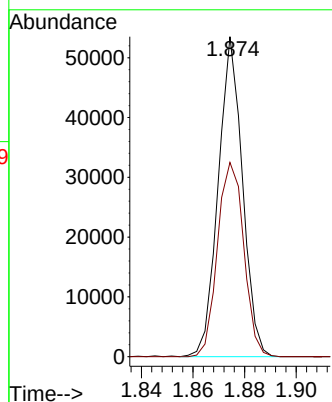
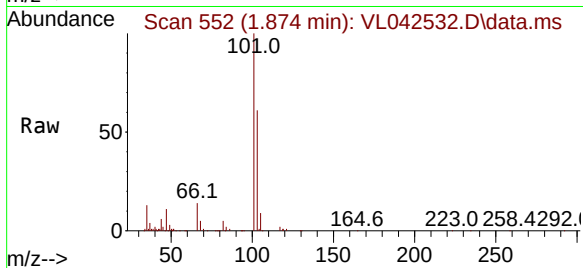




#11
 Trichlorofluoromethane
 Concen: 2.161 ppbv
 RT: 1.874 min Scan# 551
 Delta R.T. 0.003 min
 Lab File: VL042532.D
 Acq: 12 May 2025 12:58

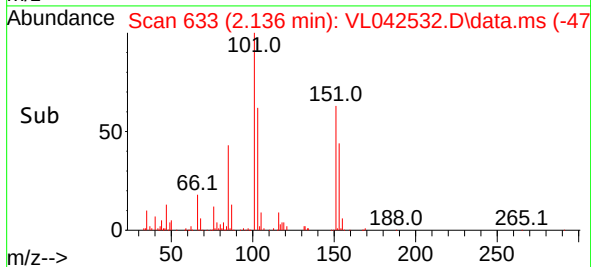
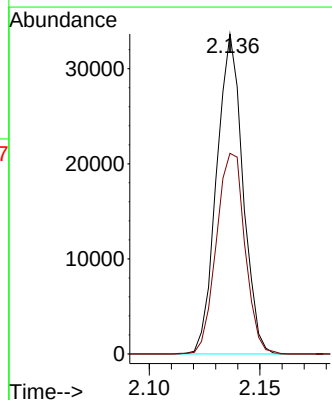
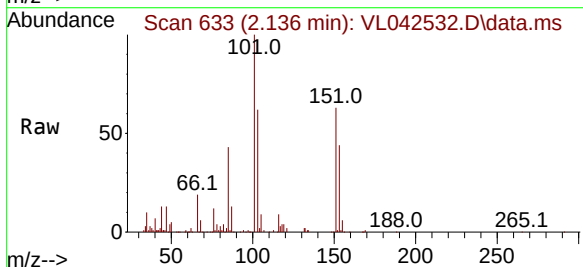
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC002

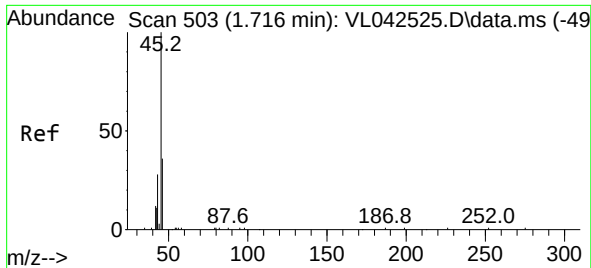
Tgt Ion:101 Resp: 34879
 Ion Ratio Lower Upper
 101 100
 103 60.7 53.8 80.6



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 2.141 ppbv
 RT: 2.136 min Scan# 633
 Delta R.T. 0.006 min
 Lab File: VL042532.D
 Acq: 12 May 2025 12:58

Tgt Ion:101 Resp: 27757
 Ion Ratio Lower Upper
 101 100
 151 68.4 57.8 86.8

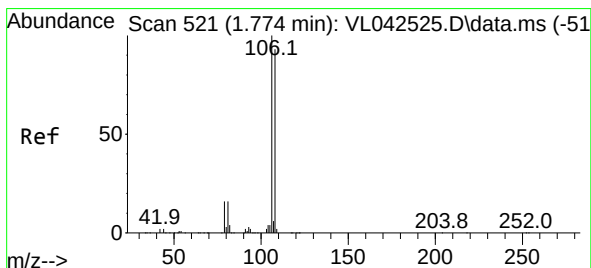
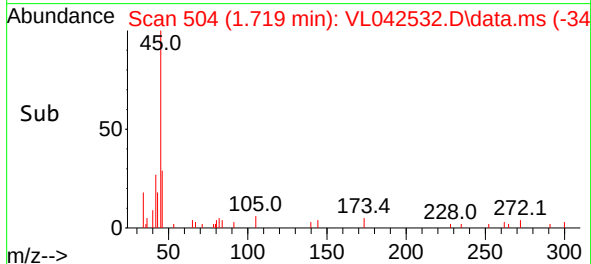
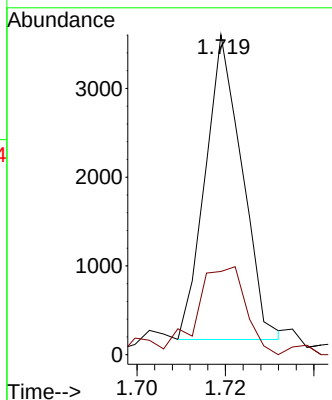
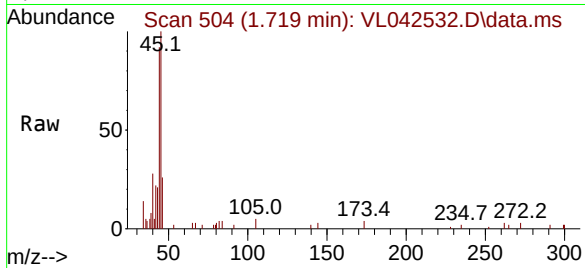




#13
 Ethanol
 Concen: 1.956 ppbv
 RT: 1.719 min Scan# 503
 Delta R.T. 0.003 min
 Lab File: VL042532.D
 Acq: 12 May 2025 12:58

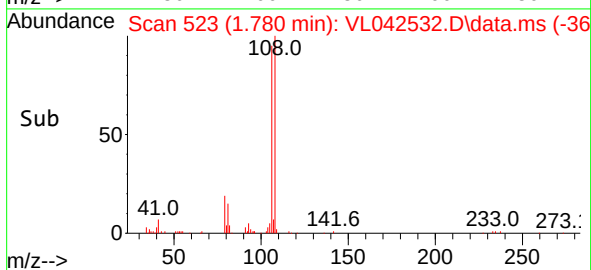
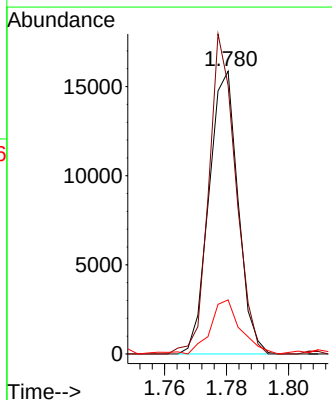
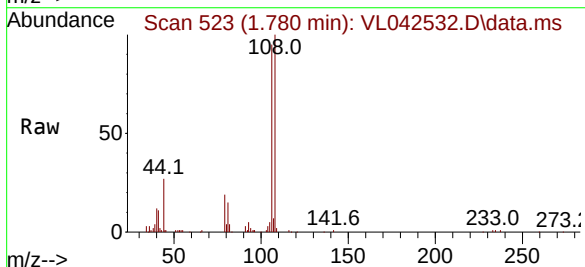
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC002

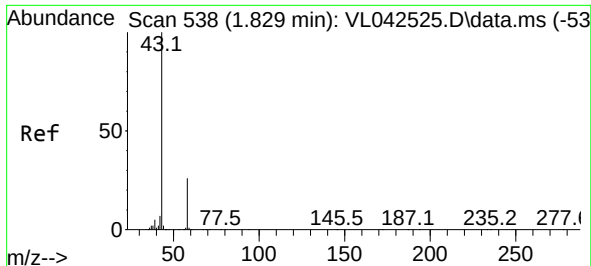
Tgt Ion: 45 Resp: 1983
 Ion Ratio Lower Upper
 45 100
 46 43.7 14.8 59.4



#14
 Bromoethene
 Concen: 2.192 ppbv
 RT: 1.780 min Scan# 523
 Delta R.T. 0.006 min
 Lab File: VL042532.D
 Acq: 12 May 2025 12:58

Tgt Ion: 108 Resp: 10359
 Ion Ratio Lower Upper
 108 100
 106 104.9 87.4 131.2
 79 22.4 15.1 22.7

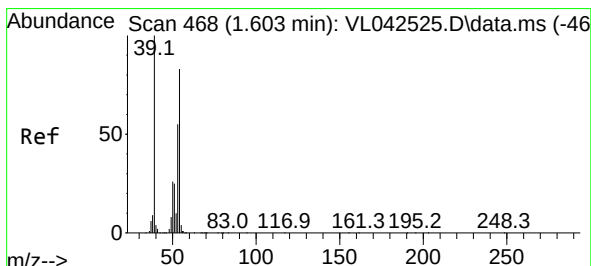
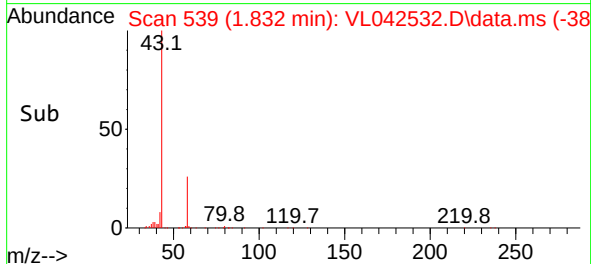
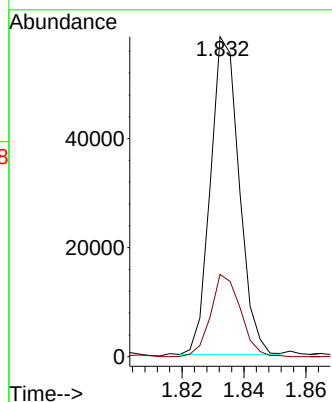
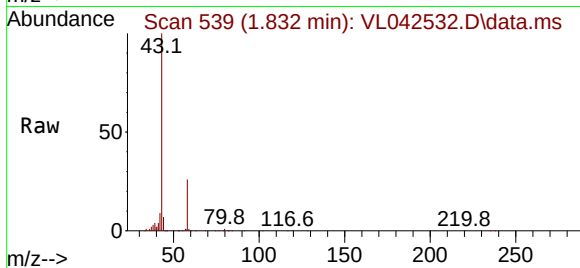




#15
Acetone
Concen: 2.269 ppbv
RT: 1.832 min Scan# 51
Delta R.T. 0.003 min
Lab File: VL042532.D
Acq: 12 May 2025 12:58

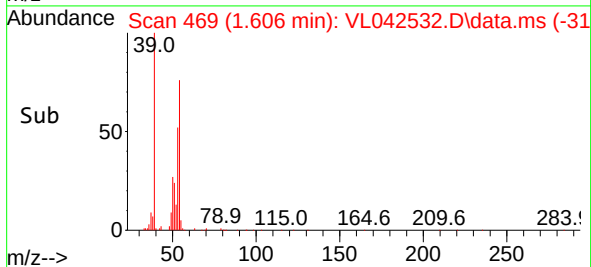
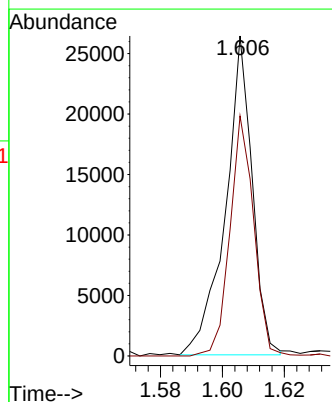
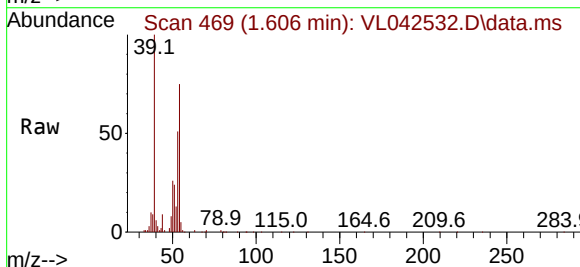
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

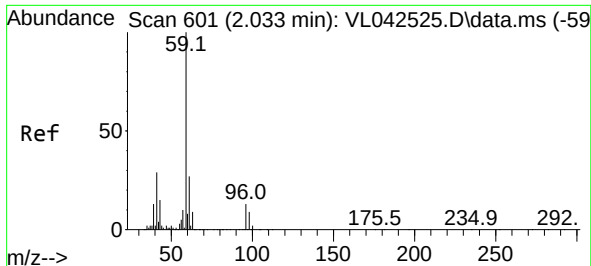
Tgt Ion: 43 Resp: 37463
Ion Ratio Lower Upper
43 100
58 27.4 21.3 31.9



#16
1,3-Butadiene
Concen: 2.132 ppbv
RT: 1.606 min Scan# 469
Delta R.T. 0.003 min
Lab File: VL042532.D
Acq: 12 May 2025 12:58

Tgt Ion: 39 Resp: 15833
Ion Ratio Lower Upper
39 100
54 67.6 57.8 86.6





#17

tert-Butyl alcohol

Concen: 2.026 ppbv

RT: 2.039 min Scan# 601

Delta R.T. 0.006 min

Lab File: VL042532.D

Acq: 12 May 2025 12:58

Instrument :

MSVOA_L

ClientSampleId :

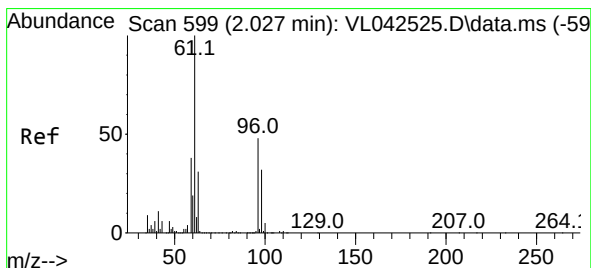
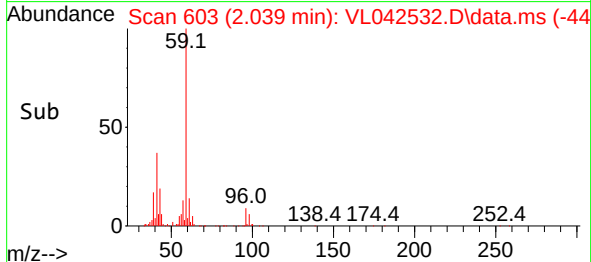
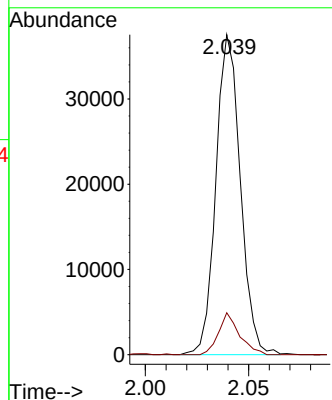
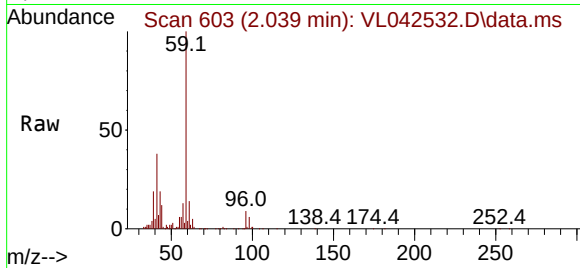
VSTDIC002

Tgt Ion: 59 Resp: 30915

Ion Ratio Lower Upper

59 100

57 11.2 8.2 12.4



#18

1,1-Dichloroethene

Concen: 2.073 ppbv

RT: 2.033 min Scan# 601

Delta R.T. 0.006 min

Lab File: VL042532.D

Acq: 12 May 2025 12:58

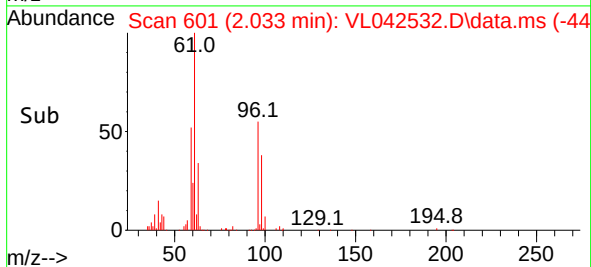
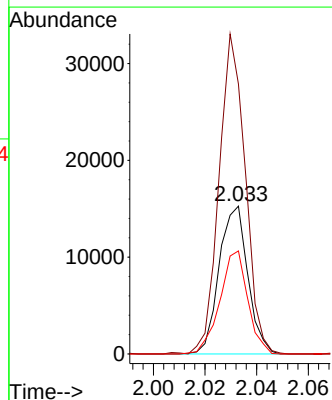
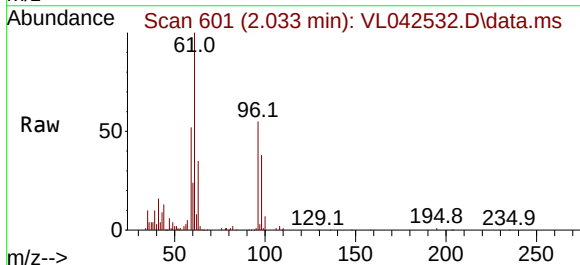
Tgt Ion: 96 Resp: 11781

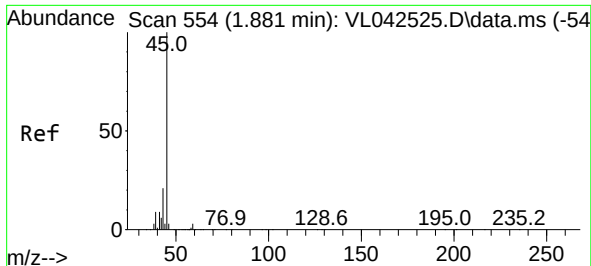
Ion Ratio Lower Upper

96 100

61 182.0 165.0 247.4

98 69.7 52.6 79.0

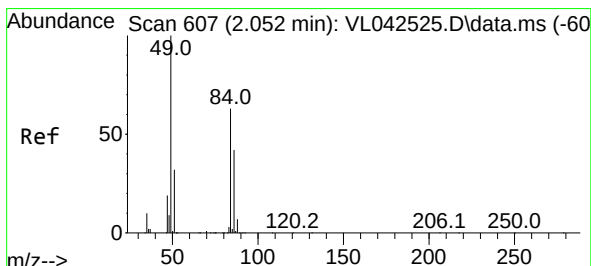
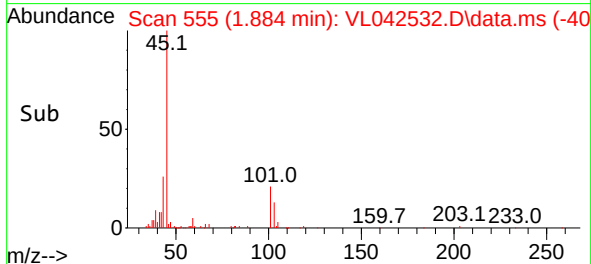
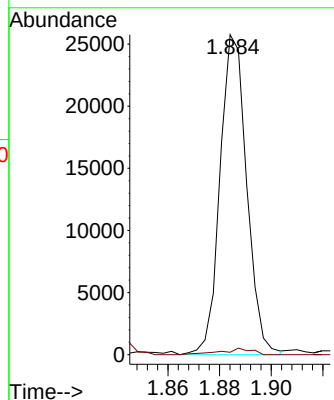
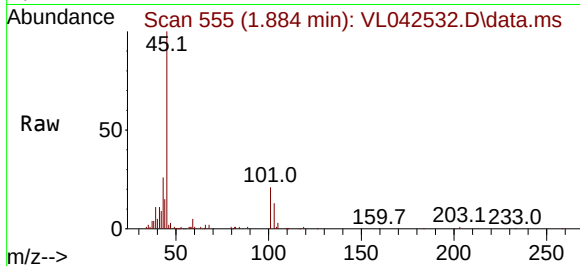




#19
Isopropyl Alcohol
Concen: 2.062 ppbv
RT: 1.884 min Scan# 51
Delta R.T. 0.003 min
Lab File: VL042532.D
Acq: 12 May 2025 12:58

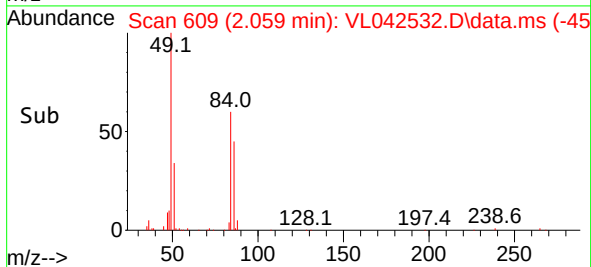
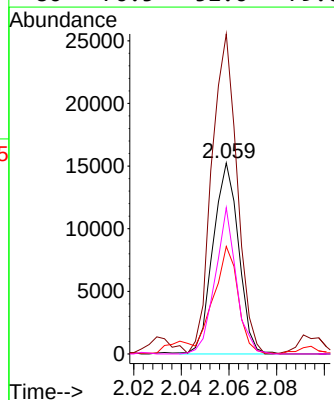
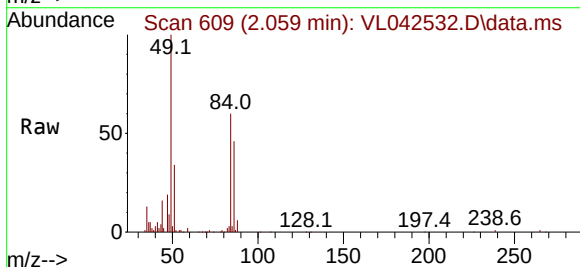
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC002

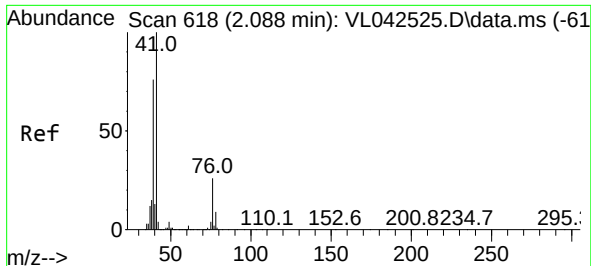
Tgt Ion: 45 Resp: 18501
Ion Ratio Lower Upper
45 100
58 0.0 1.5 2.3#



#20
Methylene Chloride
Concen: 1.975 ppbv
RT: 2.059 min Scan# 609
Delta R.T. 0.006 min
Lab File: VL042532.D
Acq: 12 May 2025 12:58

Tgt Ion: 84 Resp: 11357
Ion Ratio Lower Upper
84 100
49 167.0 128.2 192.4
51 56.3 41.7 62.5
86 76.5 52.6 79.0

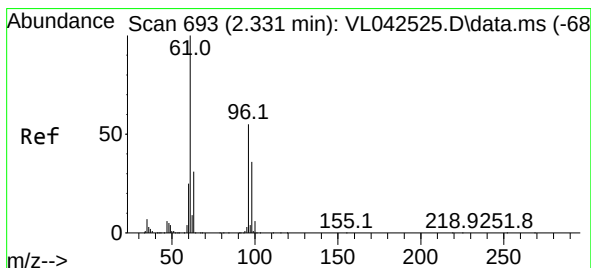
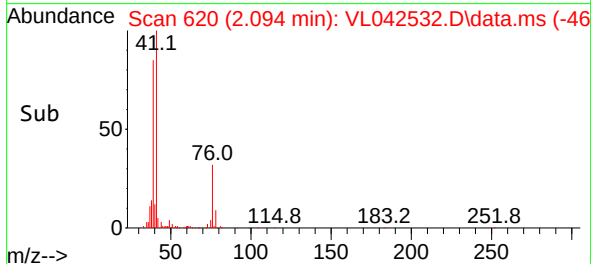
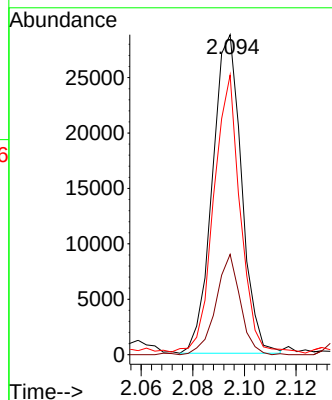
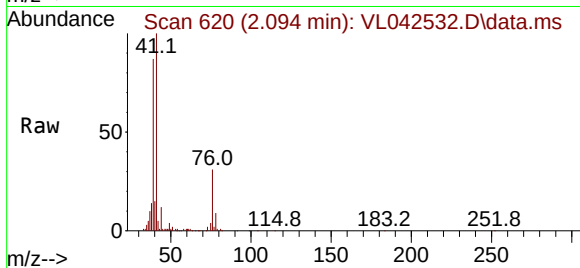




#21
 Allyl Chloride
 Concen: 2.064 ppbv
 RT: 2.094 min Scan# 618
 Delta R.T. 0.006 min
 Lab File: VL042532.D
 Acq: 12 May 2025 12:58

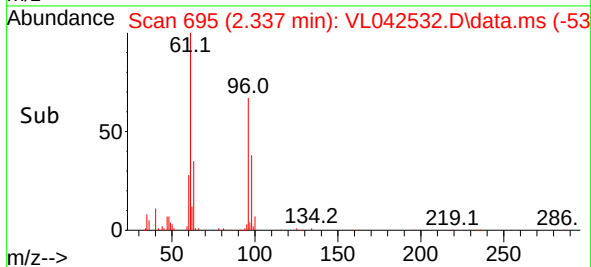
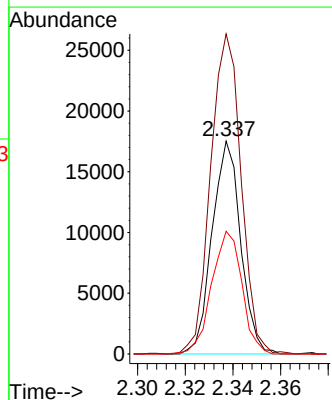
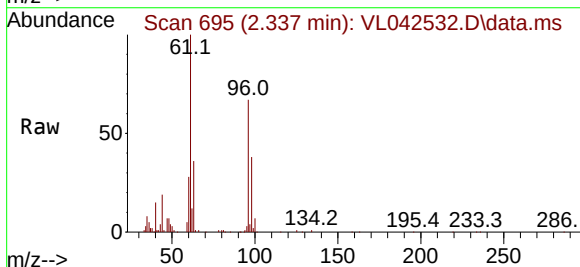
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

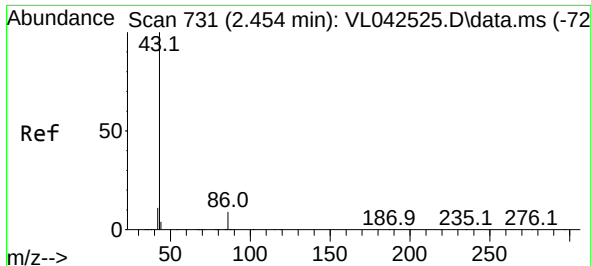
Tgt Ion: 41 Resp: 22565
 Ion Ratio Lower Upper
 41 100
 76 26.5 22.0 33.0
 39 78.9 59.5 89.3



#22
 trans-1,2-Dichloroethene
 Concen: 2.193 ppbv
 RT: 2.337 min Scan# 695
 Delta R.T. 0.006 min
 Lab File: VL042532.D
 Acq: 12 May 2025 12:58

Tgt Ion: 96 Resp: 14573
 Ion Ratio Lower Upper
 96 100
 61 149.6 145.9 218.9
 98 57.7 52.2 78.4

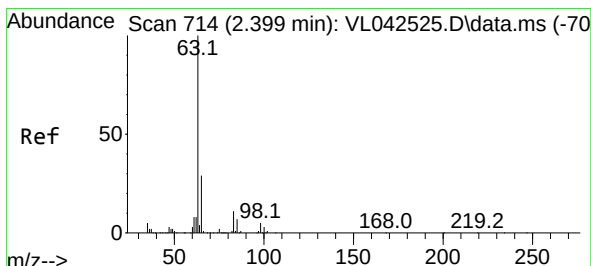
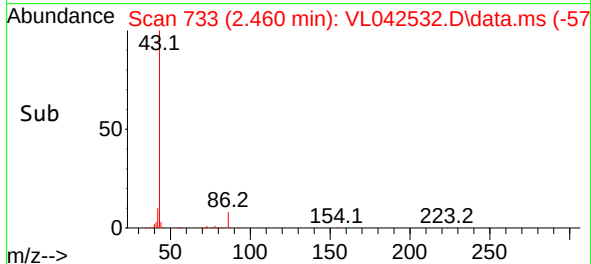
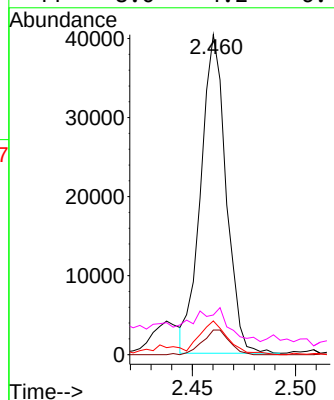
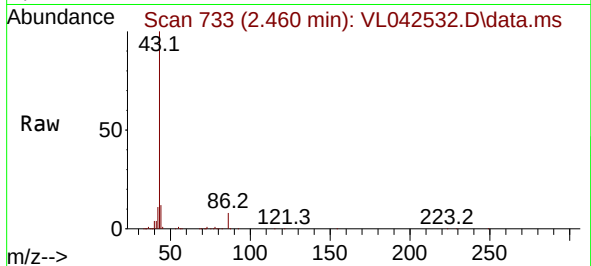




#23
 Vinyl Acetate
 Concen: 1.985 ppbv
 RT: 2.460 min Scan# 716
 Delta R.T. 0.006 min
 Lab File: VL042532.D
 Acq: 12 May 2025 12:58

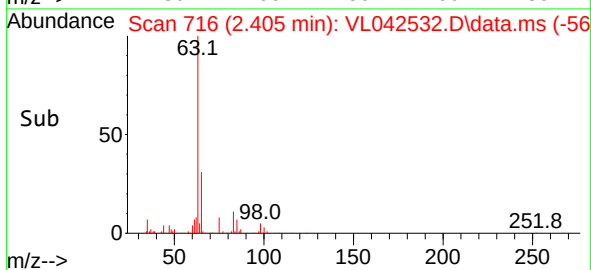
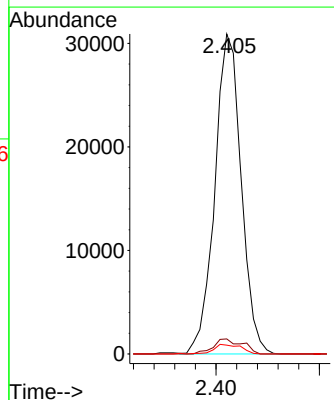
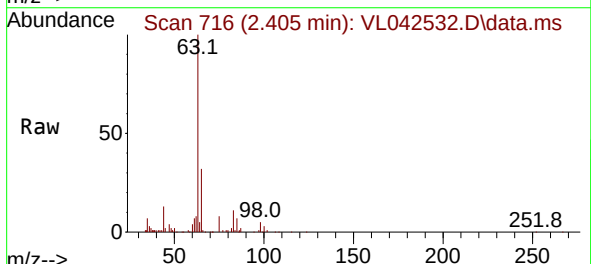
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC002

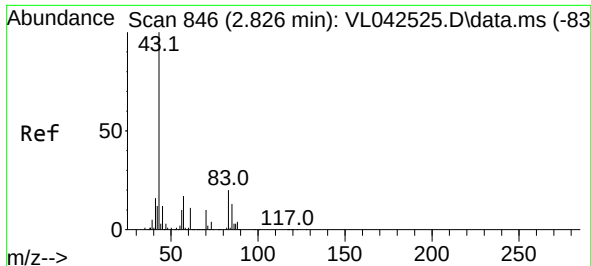
Tgt Ion: 43	Resp: 34320
Ion Ratio	Lower Upper
43 100	
86 7.7	6.8 10.2
42 10.6	8.8 13.2
44 8.0	4.2 6.4#



#24
 1,1-Dichloroethane
 Concen: 2.132 ppbv
 RT: 2.405 min Scan# 716
 Delta R.T. 0.006 min
 Lab File: VL042532.D
 Acq: 12 May 2025 12:58

Tgt Ion: 63	Resp: 27421
Ion Ratio	Lower Upper
63 100	
98 4.7	2.6 8.0
100 2.8	1.4 4.2

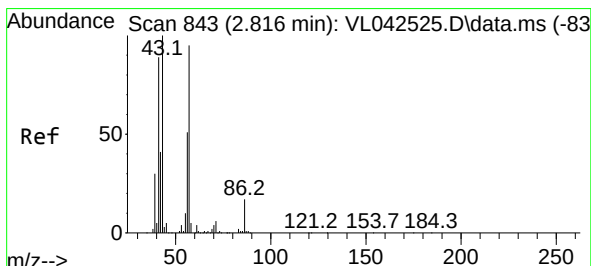
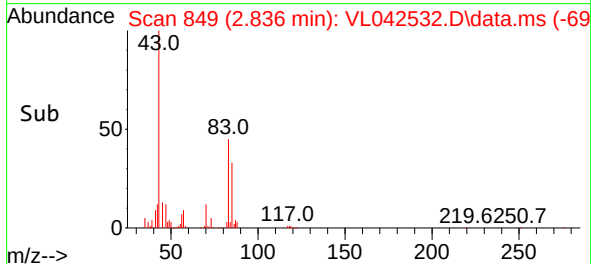
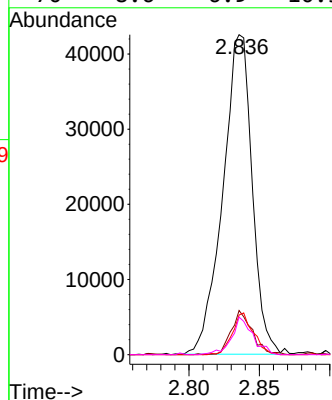
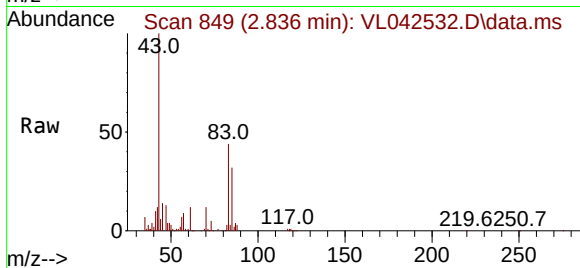




#25
Ethyl Acetate
Concen: 2.124 ppbv
RT: 2.836 min Scan# 846
Delta R.T. 0.010 min
Lab File: VL042532.D
Acq: 12 May 2025 12:58

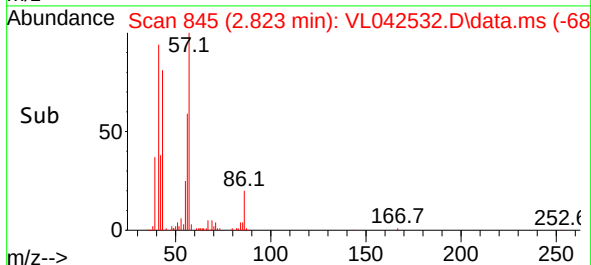
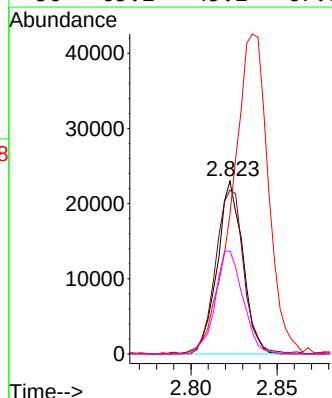
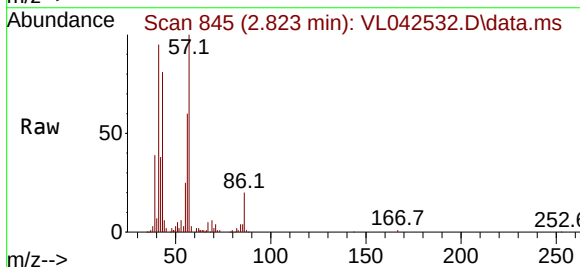
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

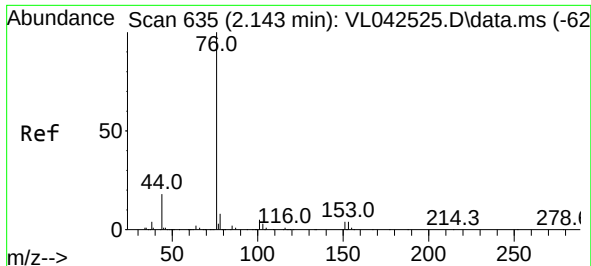
Tgt Ion:	43	Resp:	61595
Ion	Ratio	Lower	Upper
43	100		
45	10.0	7.9	11.9
61	9.3	7.1	10.7
70	8.6	6.9	10.3



#26
Hexane
Concen: 1.992 ppbv
RT: 2.823 min Scan# 845
Delta R.T. 0.006 min
Lab File: VL042532.D
Acq: 12 May 2025 12:58

Tgt Ion:	57	Resp:	23715
Ion	Ratio	Lower	Upper
57	100		
41	106.9	76.1	114.1
43	262.3	188.9	283.3
56	65.2	45.2	67.8





#27

Carbon Disulfide

Concen: 2.065 ppbv

RT: 2.146 min Scan# 61

Delta R.T. 0.003 min

Lab File: VL042532.D

Acq: 12 May 2025 12:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

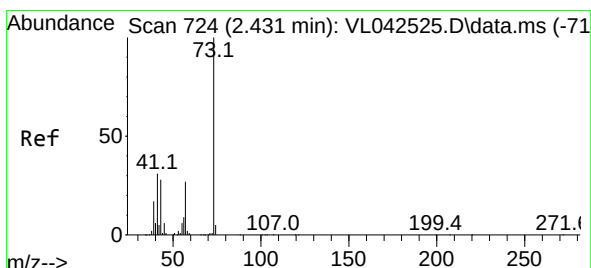
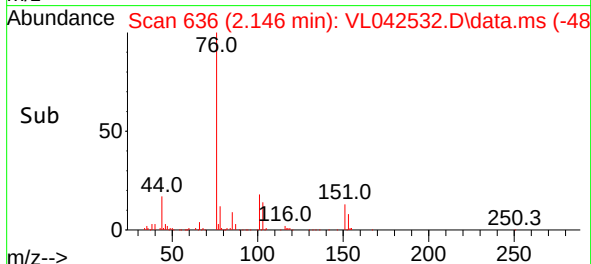
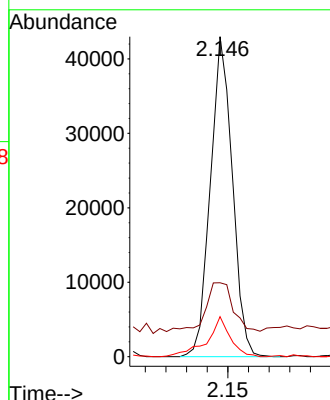
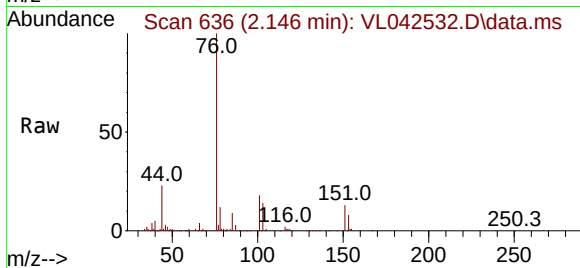
Tgt Ion: 76 Resp: 31735

Ion Ratio Lower Upper

76 100

44 23.9 17.1 25.7

78 13.7 8.6 12.8#



#28

Methyl tert-Butyl Ether

Concen: 2.030 ppbv

RT: 2.438 min Scan# 726

Delta R.T. 0.006 min

Lab File: VL042532.D

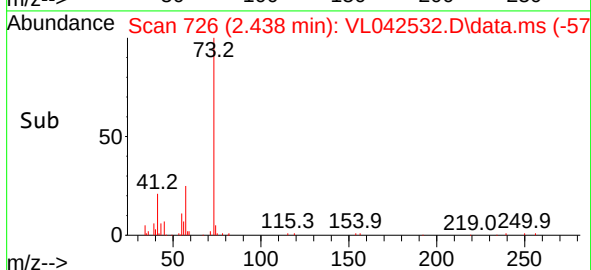
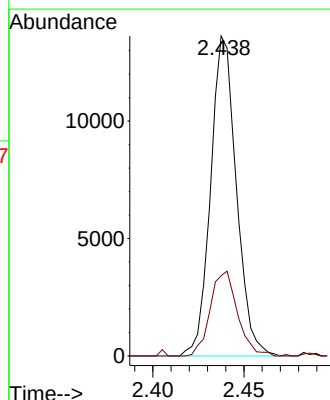
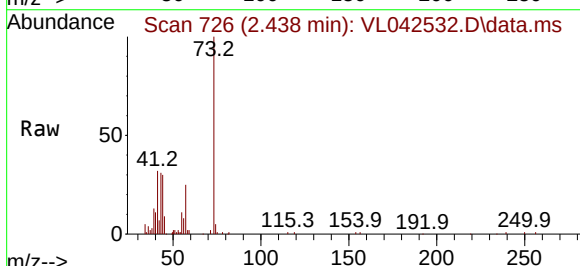
Acq: 12 May 2025 12:58

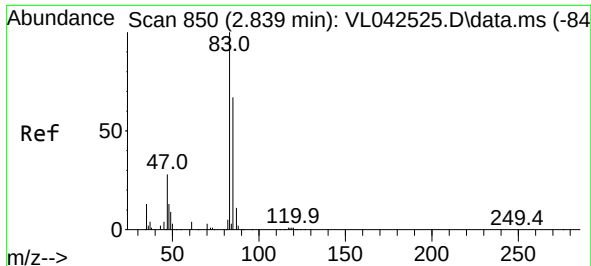
Tgt Ion: 73 Resp: 13425

Ion Ratio Lower Upper

73 100

57 28.4 20.3 30.5





#29

Chloroform

Concen: 2.098 ppbv

RT: 2.845 min Scan# 81

Delta R.T. 0.006 min

Lab File: VL042532.D

Acq: 12 May 2025 12:58

Instrument :

MSVOA_L

ClientSampleId :

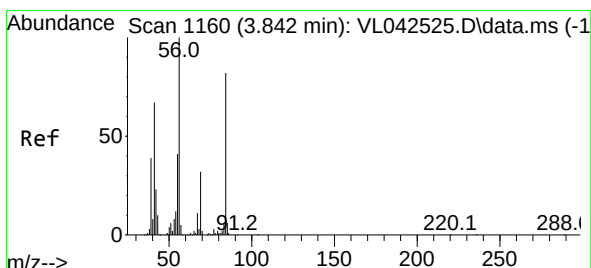
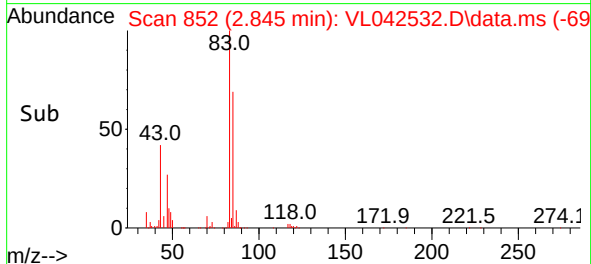
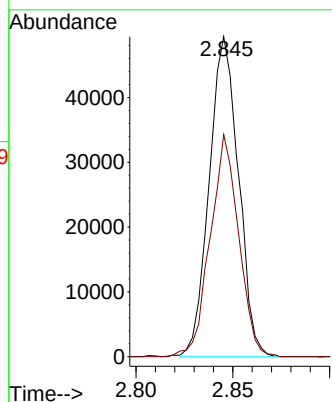
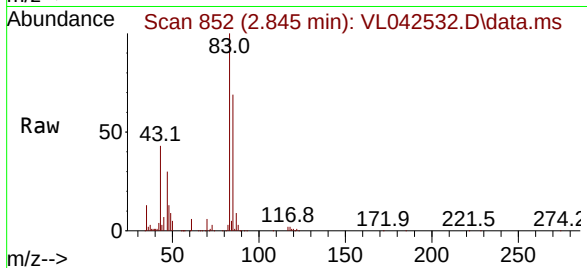
VSTDIC002

Tgt Ion: 83 Resp: 51800

Ion Ratio Lower Upper

83 100

85 69.4 53.5 80.3



#30

Cyclohexane

Concen: 1.936 ppbv

RT: 3.855 min Scan# 1164

Delta R.T. 0.013 min

Lab File: VL042532.D

Acq: 12 May 2025 12:58

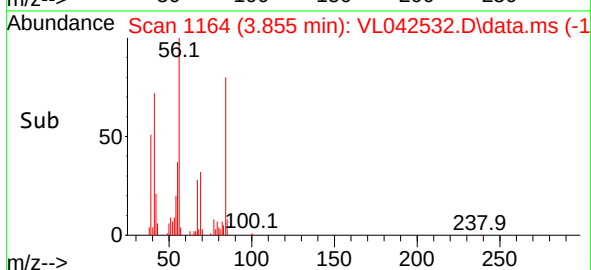
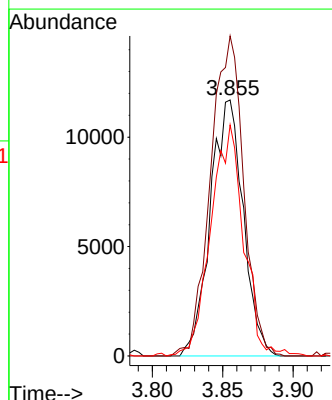
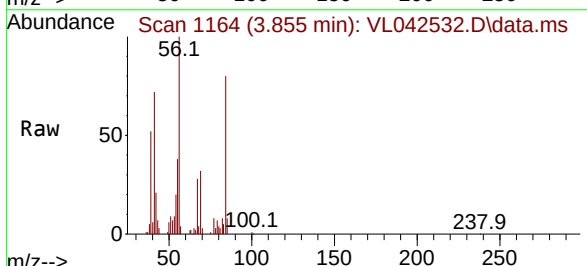
Tgt Ion: 84 Resp: 18925

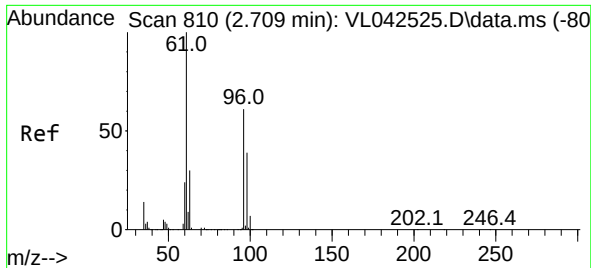
Ion Ratio Lower Upper

84 100

56 126.4 97.1 145.7

41 90.7 66.6 99.8

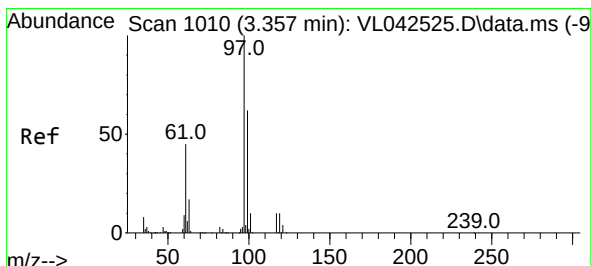
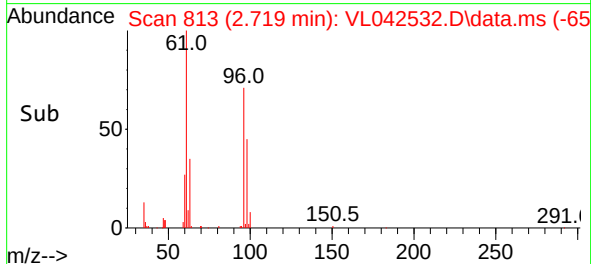
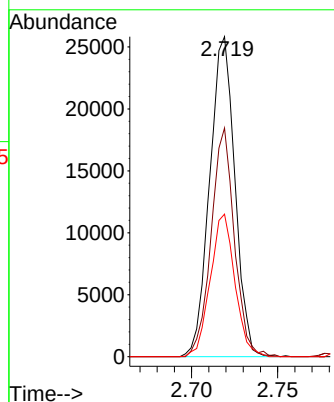
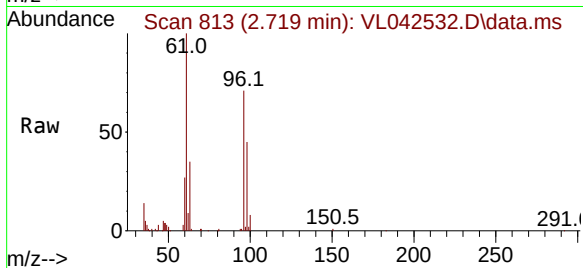




#31
 cis-1,2-Dichloroethene
 Concen: 1.955 ppbv
 RT: 2.719 min Scan# 810
 Delta R.T. 0.010 min
 Lab File: VL042532.D
 Acq: 12 May 2025 12:58

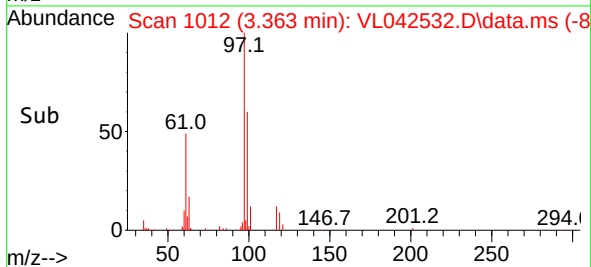
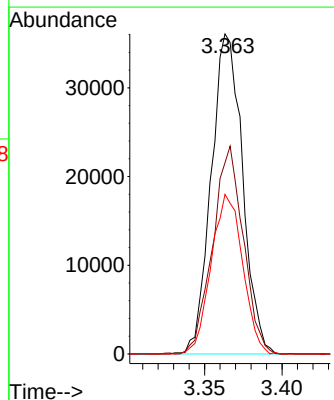
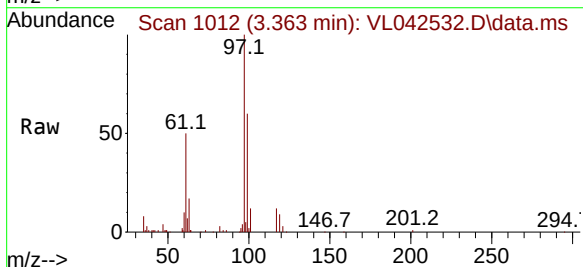
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

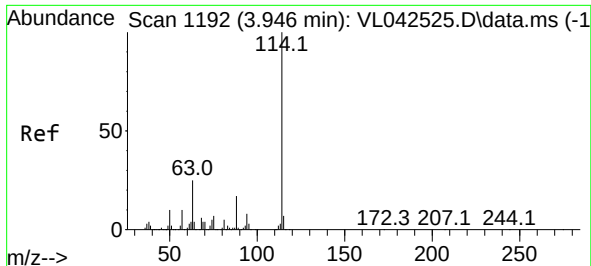
Tgt Ion: 61 Resp: 26277
 Ion Ratio Lower Upper
 61 100
 96 71.4 48.9 73.3
 98 44.5 31.4 47.2



#32
 1,1,1-Trichloroethane
 Concen: 2.033 ppbv
 RT: 3.363 min Scan# 1012
 Delta R.T. 0.006 min
 Lab File: VL042532.D
 Acq: 12 May 2025 12:58

Tgt Ion: 97 Resp: 50640
 Ion Ratio Lower Upper
 97 100
 99 63.6 50.1 75.1
 61 50.3 38.2 57.2





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.955 min Scan# 1195

Delta R.T. 0.010 min

Lab File: VL042532.D

Acq: 12 May 2025 12:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

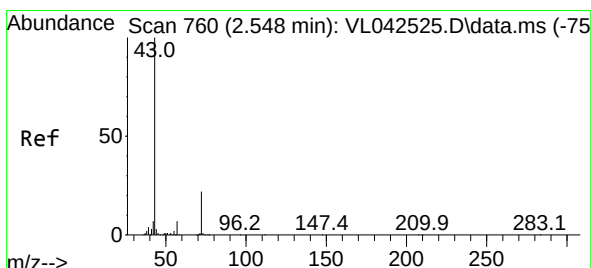
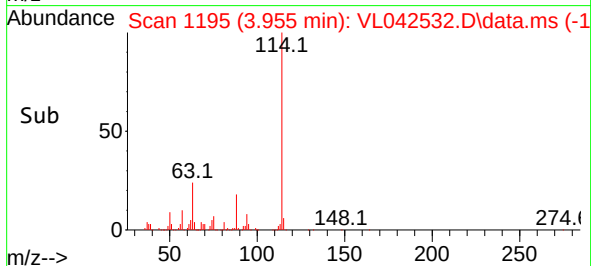
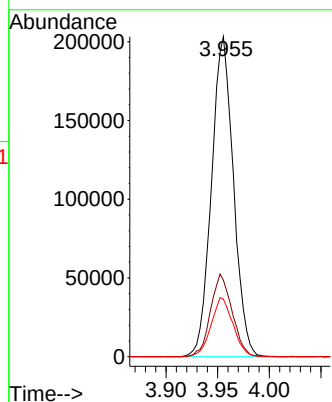
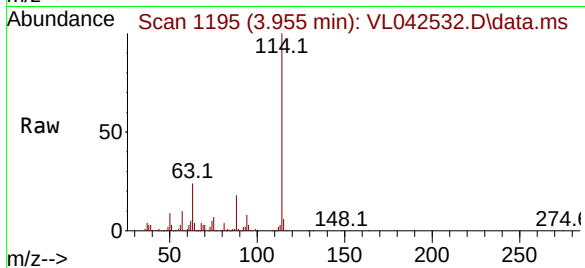
Tgt Ion:114 Resp: 300628

Ion Ratio Lower Upper

114 100

63 25.4 20.4 30.6

88 18.4 14.5 21.7



#34

2-Butanone

Concen: 2.011 ppbv

RT: 2.557 min Scan# 763

Delta R.T. 0.010 min

Lab File: VL042532.D

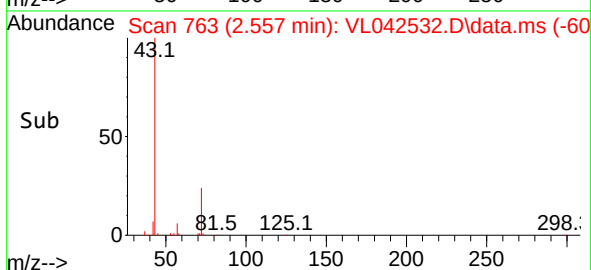
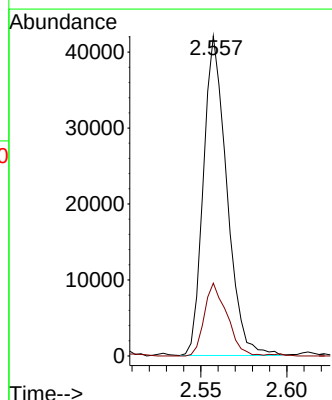
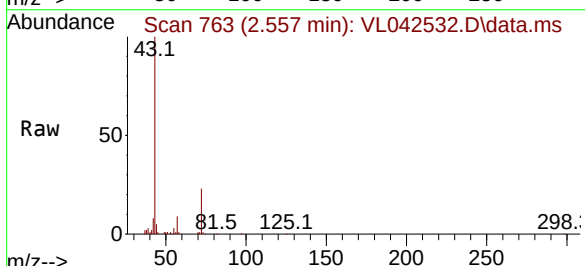
Acq: 12 May 2025 12:58

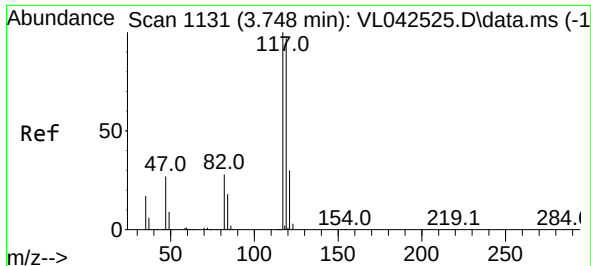
Tgt Ion: 43 Resp: 39851

Ion Ratio Lower Upper

43 100

72 22.5 18.7 28.1

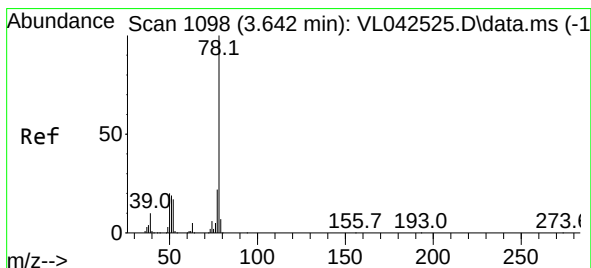
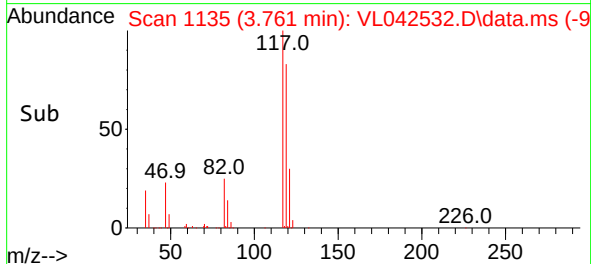
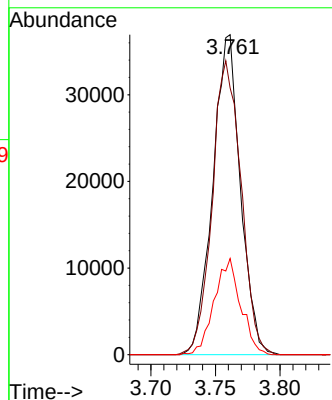
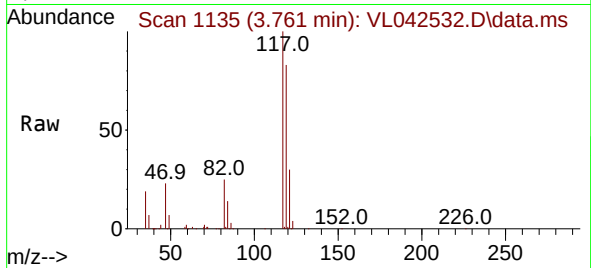




#35
Carbon Tetrachloride
Concen: 2.030 ppbv
RT: 3.761 min Scan# 1131
Delta R.T. 0.013 min
Lab File: VL042532.D
Acq: 12 May 2025 12:58

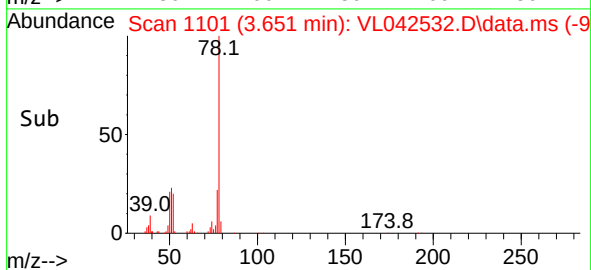
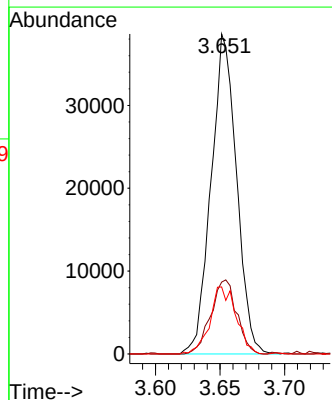
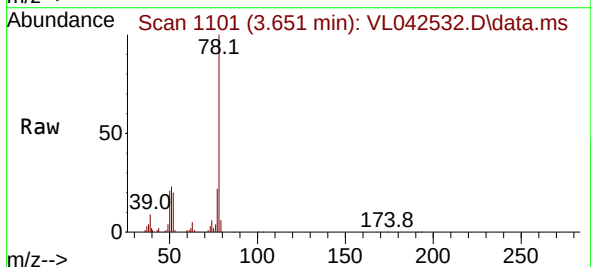
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

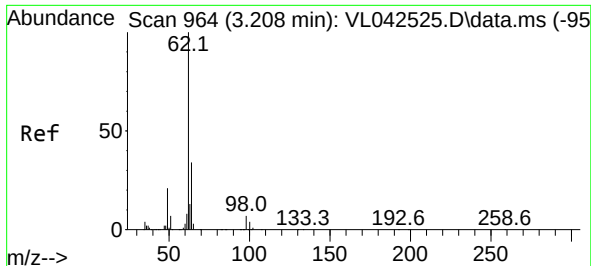
Tgt Ion:117 Resp: 54873
Ion Ratio Lower Upper
117 100
119 83.4 77.7 116.5
121 30.1 24.0 36.0



#36
Benzene
Concen: 1.987 ppbv
RT: 3.651 min Scan# 1101
Delta R.T. 0.010 min
Lab File: VL042532.D
Acq: 12 May 2025 12:58

Tgt Ion: 78 Resp: 52942
Ion Ratio Lower Upper
78 100
77 22.5 17.4 26.2
50 21.0 16.3 24.5





#37

1,2-Dichloroethane

Concen: 2.103 ppbv

RT: 3.214 min Scan# 9

Delta R.T. 0.006 min

Lab File: VL042532.D

Acq: 12 May 2025 12:58

Instrument :

MSVOA_L

ClientSampleId :

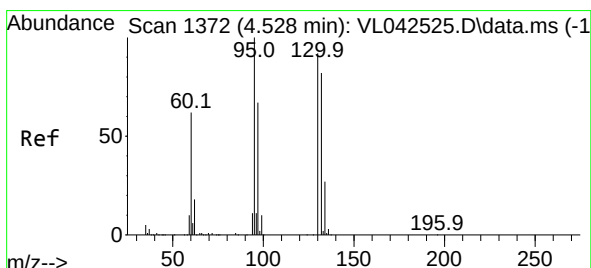
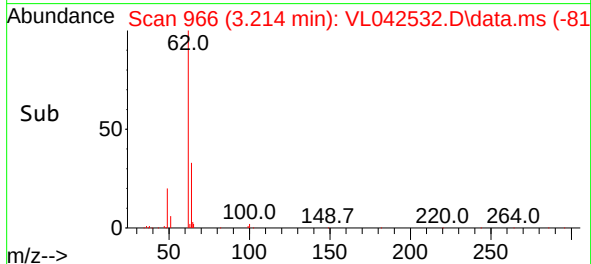
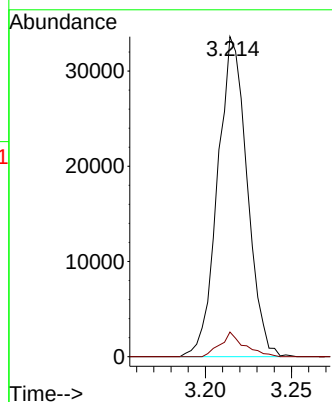
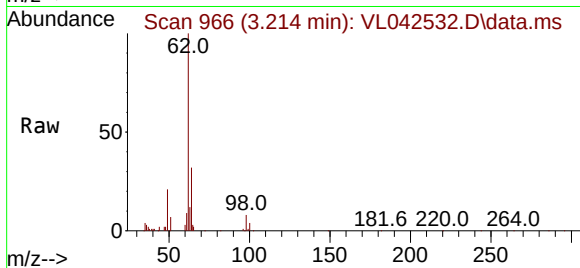
VSTDIC002

Tgt Ion: 62 Resp: 39974

Ion Ratio Lower Upper

62 100

98 6.2 5.0 7.4



#38

Trichloroethene

Concen: 1.182 ppbv

RT: 4.541 min Scan# 1376

Delta R.T. 0.013 min

Lab File: VL042532.D

Acq: 12 May 2025 12:58

Tgt Ion:130 Resp: 13452

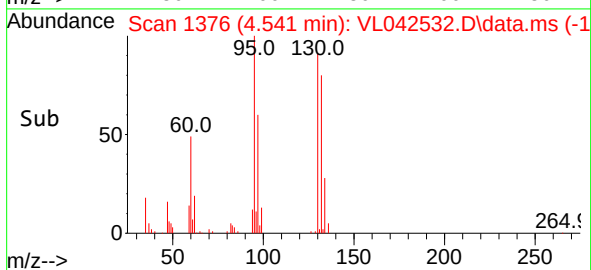
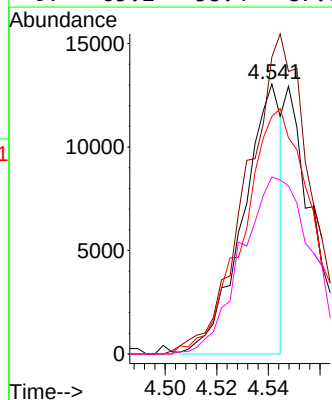
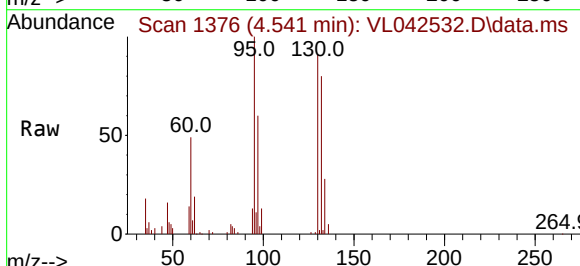
Ion Ratio Lower Upper

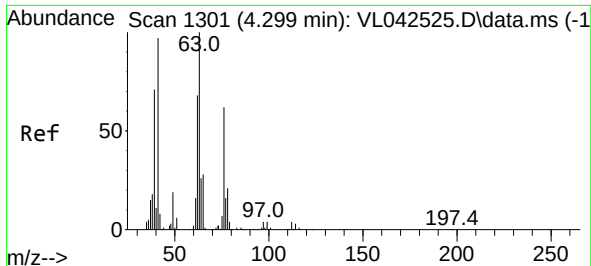
130 100

95 107.8 87.0 130.4

132 85.5 71.1 106.7

97 65.2 58.4 87.6





#39

1,2-Dichloropropane

Concen: 1.920 ppbv

RT: 4.312 min Scan# 11

Delta R.T. 0.013 min

Lab File: VL042532.D

Acq: 12 May 2025 12:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

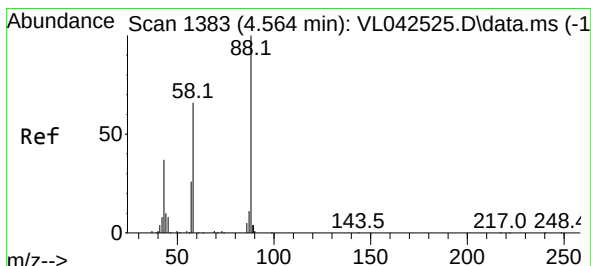
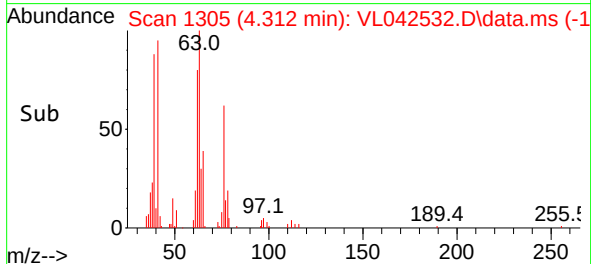
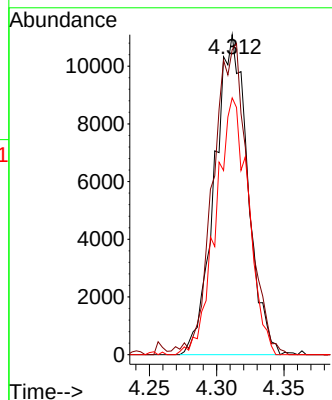
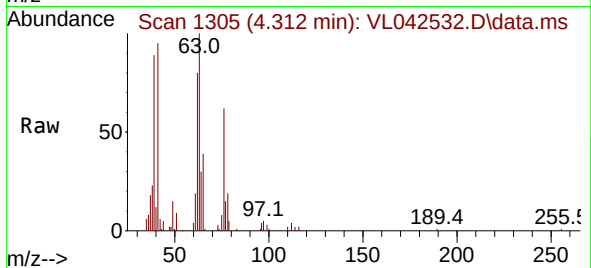
Tgt Ion: 63 Resp: 19038

Ion Ratio Lower Upper

63 100

41 93.7 77.5 116.3

62 80.2 54.6 82.0



#40

1,4-Dioxane

Concen: 1.231 ppbv

RT: 4.590 min Scan# 1391

Delta R.T. 0.026 min

Lab File: VL042532.D

Acq: 12 May 2025 12:58

Tgt Ion: 88 Resp: 4869

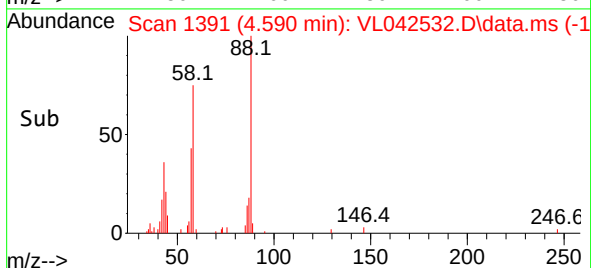
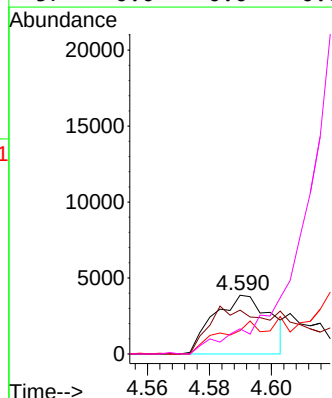
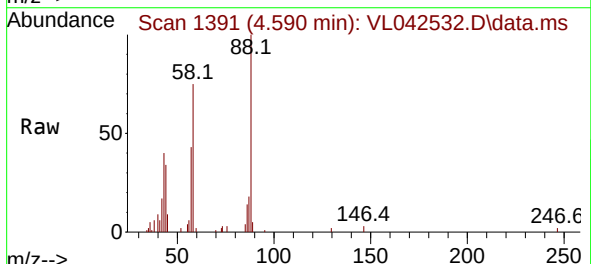
Ion Ratio Lower Upper

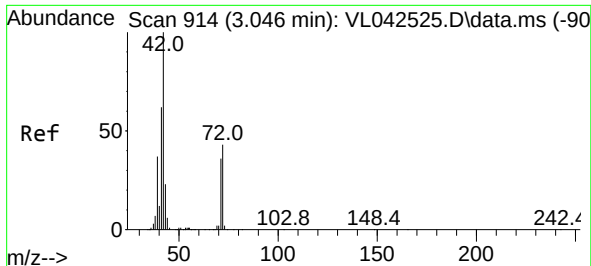
88 100

58 141.0 58.2 87.2#

43 0.0 27.9 41.9#

57 0.0 0.0 0.0





#41

Tetrahydrofuran

Concen: 1.968 ppbv

RT: 3.059 min Scan# 914

Delta R.T. 0.013 min

Lab File: VL042532.D

Acq: 12 May 2025 12:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

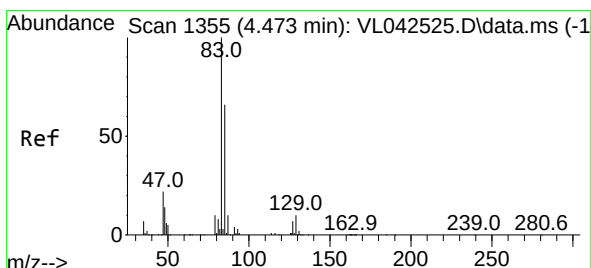
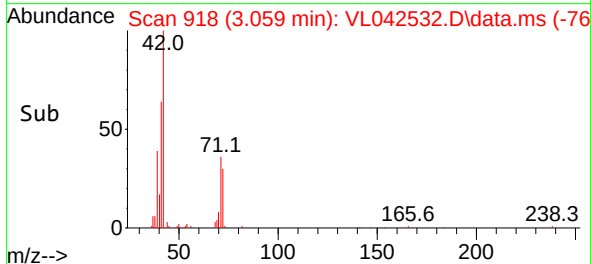
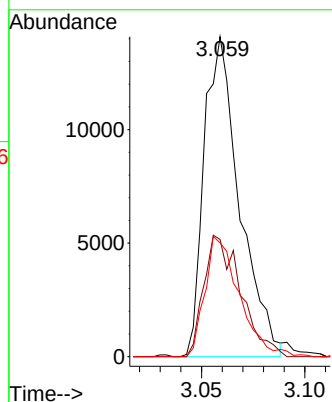
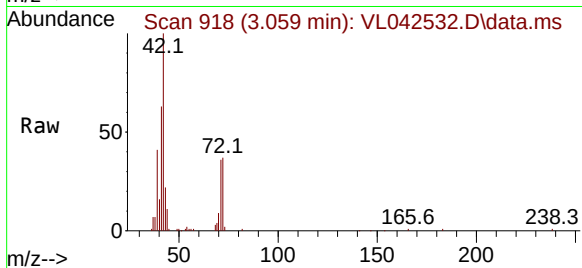
Tgt Ion: 42 Resp: 16817

Ion Ratio Lower Upper

42 100

72 39.5 32.7 49.1

71 36.5 30.4 45.6



#42

Bromodichloromethane

Concen: 2.072 ppbv

RT: 4.490 min Scan# 1360

Delta R.T. 0.016 min

Lab File: VL042532.D

Acq: 12 May 2025 12:58

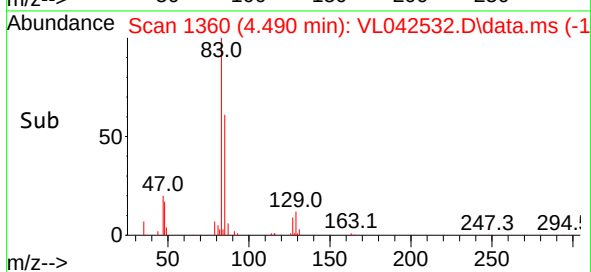
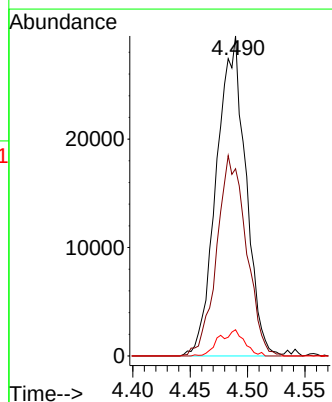
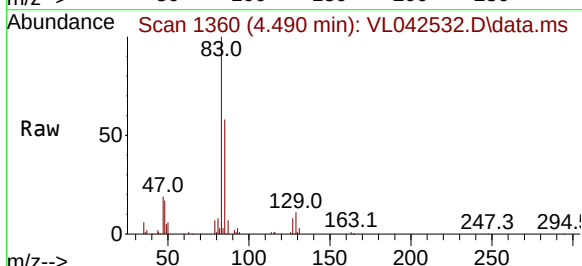
Tgt Ion: 83 Resp: 52451

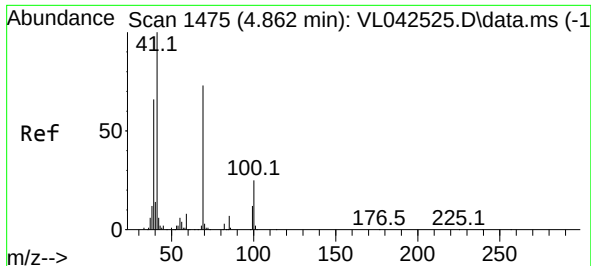
Ion Ratio Lower Upper

83 100

85 58.5 52.6 79.0

127 8.2 6.0 9.0





#43

Methyl Methacrylate

Concen: 0.773 ppbv

RT: 4.871 min Scan# 1475

Delta R.T. 0.010 min

Lab File: VL042532.D

Acq: 12 May 2025 12:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

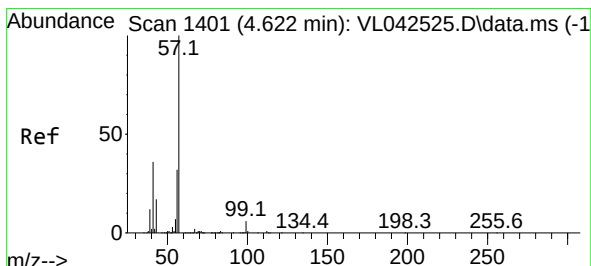
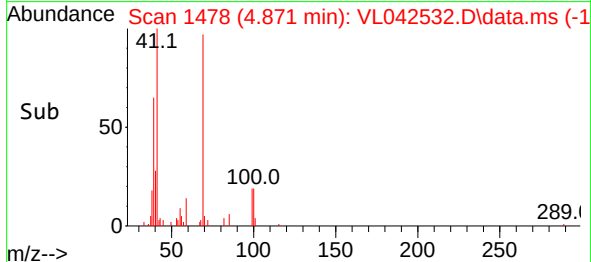
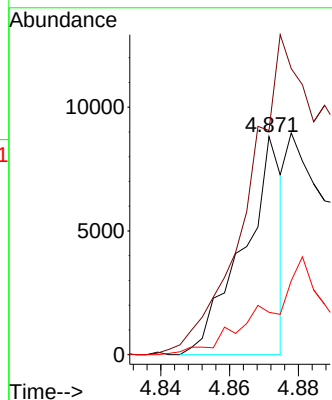
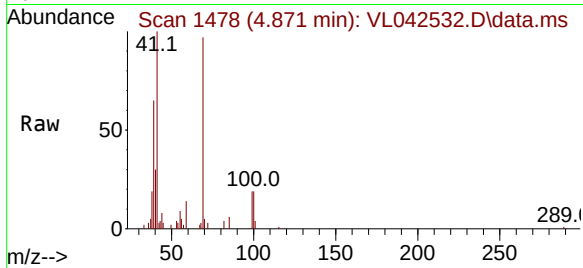
Tgt Ion: 69 Resp: 6876

Ion Ratio Lower Upper

69 100

41 0.0 119.9 179.9#

100 0.0 28.4 42.6#



#44

2,2,4-Trimethylpentane

Concen: 1.091 ppbv

RT: 4.632 min Scan# 1404

Delta R.T. 0.010 min

Lab File: VL042532.D

Acq: 12 May 2025 12:58

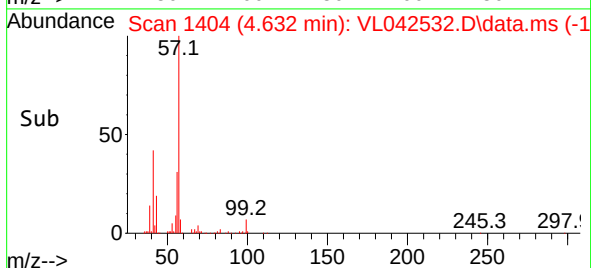
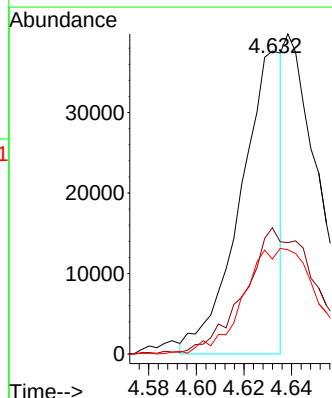
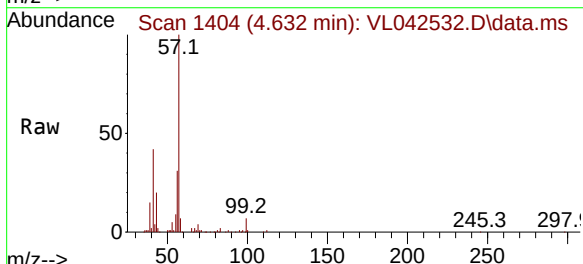
Tgt Ion: 57 Resp: 45642

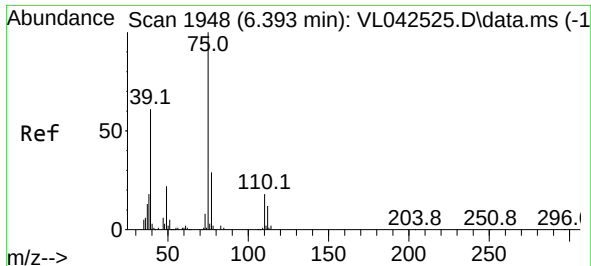
Ion Ratio Lower Upper

57 100

41 72.0 28.3 42.5#

56 0.0 25.9 38.9#

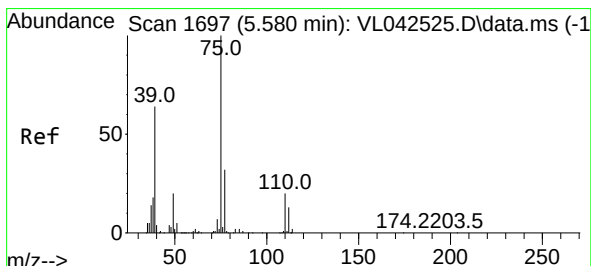
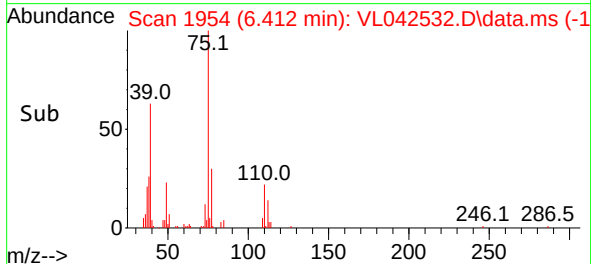
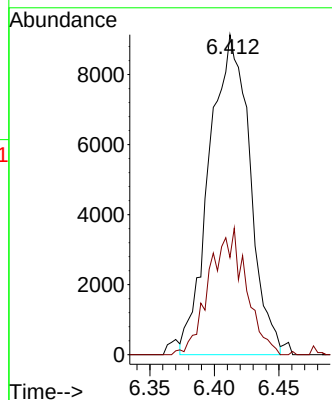
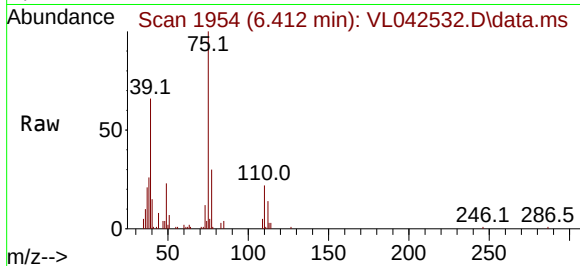




#45
 t-1,3-Dichloropropene
 Concen: 1.756 ppbv
 RT: 6.412 min Scan# 1948
 Delta R.T. 0.019 min
 Lab File: VL042532.D
 Acq: 12 May 2025 12:58

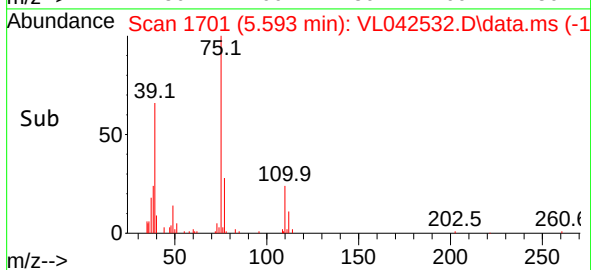
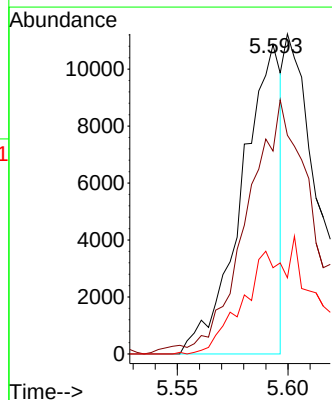
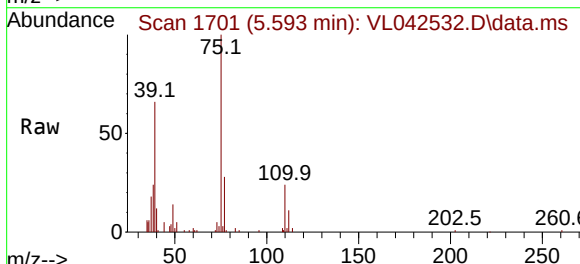
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC002

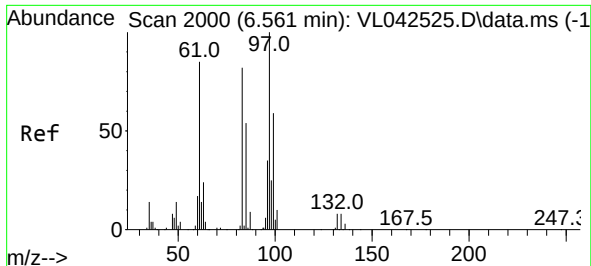
Tgt Ion: 75 Resp: 19945
 Ion Ratio Lower Upper
 75 100
 77 30.4 23.3 34.9



#46
 cis-1,3-Dichloropropene
 Concen: 0.988 ppbv
 RT: 5.593 min Scan# 1701
 Delta R.T. 0.013 min
 Lab File: VL042532.D
 Acq: 12 May 2025 12:58

Tgt Ion: 75 Resp: 13533
 Ion Ratio Lower Upper
 75 100
 39 62.9 51.2 76.8
 77 27.4 25.4 38.0

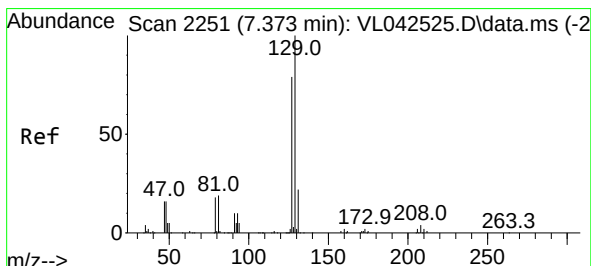
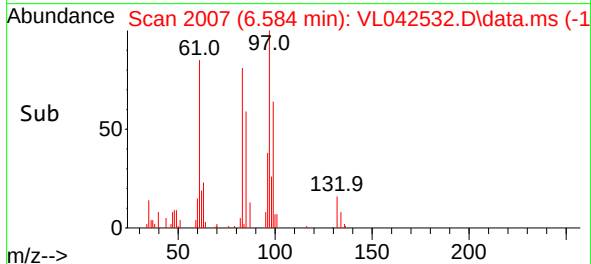
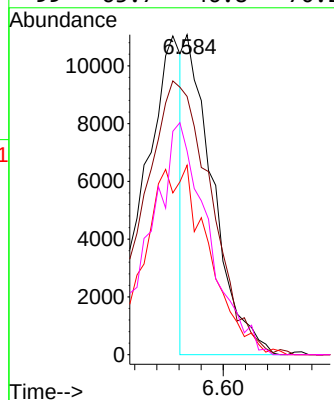
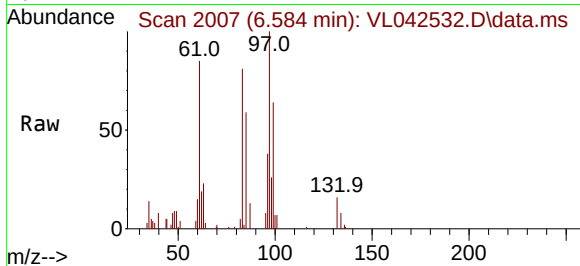




#47
 1,1,2-Trichloroethane
 Concen: 0.857 ppbv
 RT: 6.584 min Scan# 2007
 Delta R.T. 0.023 min
 Lab File: VL042532.D
 Acq: 12 May 2025 12:58

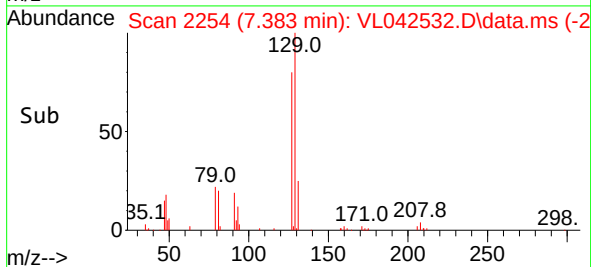
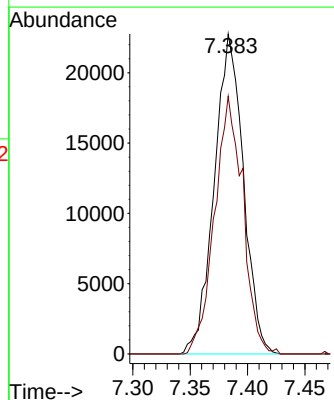
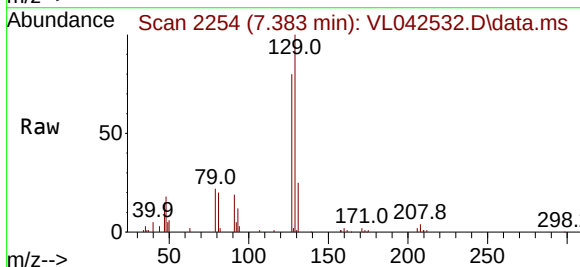
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

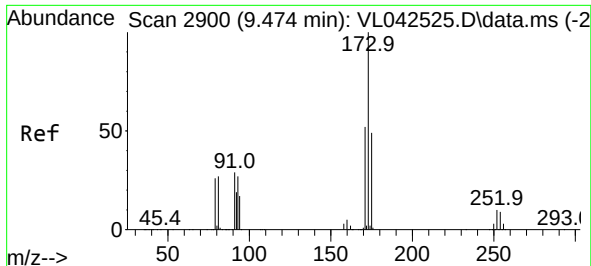
Tgt Ion:	97	Resp:	10013
Ion	Ratio	Lower	Upper
97	100		
83	79.1	66.0	99.0
85	58.1	42.8	64.2
99	63.7	46.8	70.2



#48
 Dibromochloromethane
 Concen: 2.058 ppbv
 RT: 7.383 min Scan# 2254
 Delta R.T. 0.010 min
 Lab File: VL042532.D
 Acq: 12 May 2025 12:58

Tgt Ion:	129	Resp:	40163
Ion	Ratio	Lower	Upper
129	100		
127	78.4	39.6	118.8





#49

Bromoform

Concen: 2.056 ppbv

RT: 9.480 min Scan# 2900

Delta R.T. 0.006 min

Lab File: VL042532.D

Acq: 12 May 2025 12:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

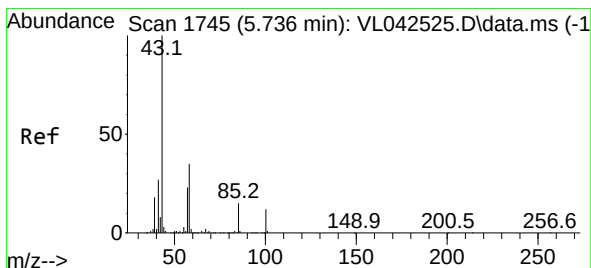
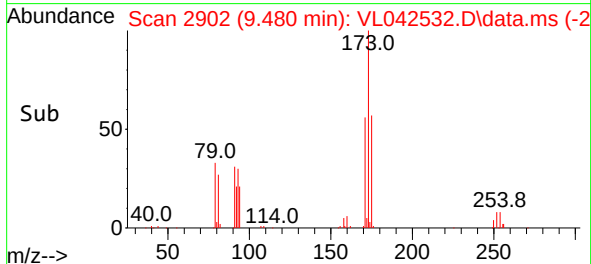
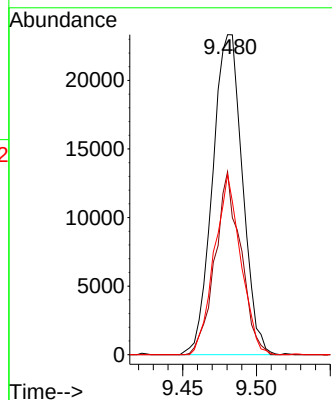
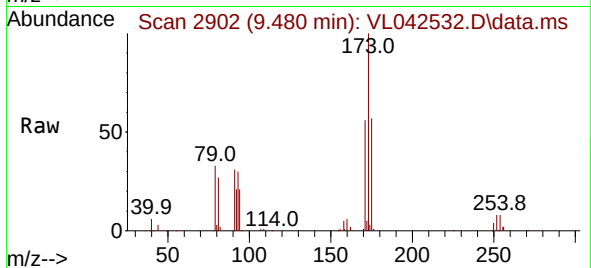
Tgt Ion:173 Resp: 32916

Ion Ratio Lower Upper

173 100

175 49.2 39.1 58.7

171 49.8 41.8 62.8



#50

4-Methyl-2-Pentanone

Concen: 1.994 ppbv

RT: 5.752 min Scan# 1750

Delta R.T. 0.016 min

Lab File: VL042532.D

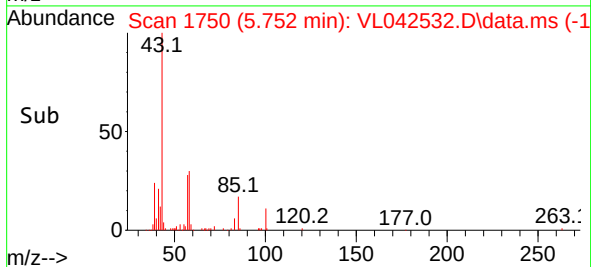
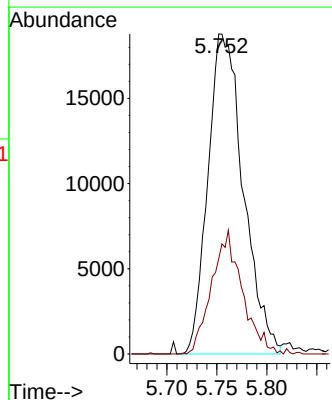
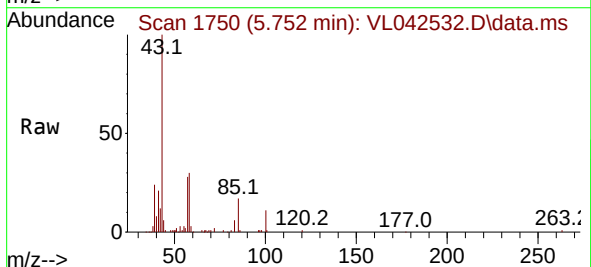
Acq: 12 May 2025 12:58

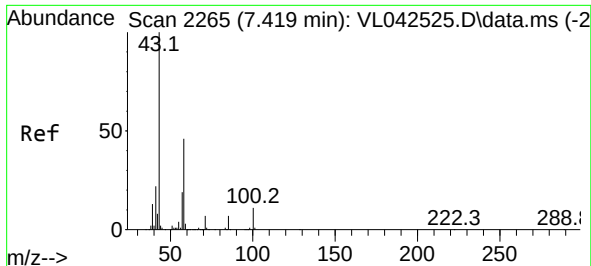
Tgt Ion: 43 Resp: 46331

Ion Ratio Lower Upper

43 100

58 33.4 28.6 42.8

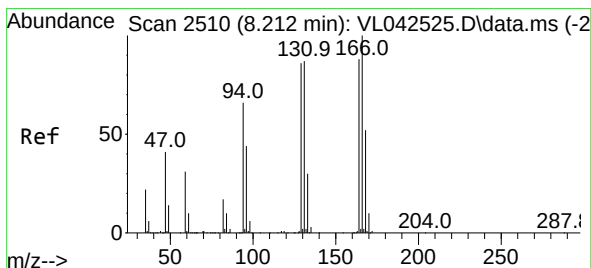
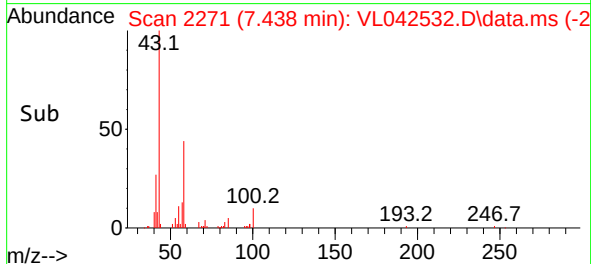
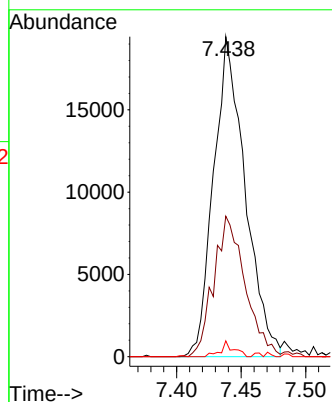
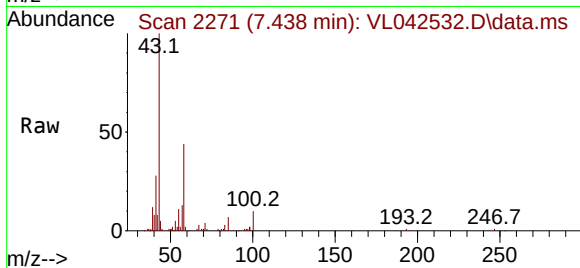




#51
2-Hexanone
Concen: 1.916 ppbv
RT: 7.438 min Scan# 2113
Delta R.T. 0.019 min
Lab File: VL042532.D
Acq: 12 May 2025 12:58

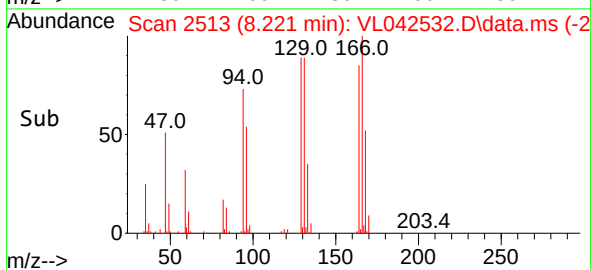
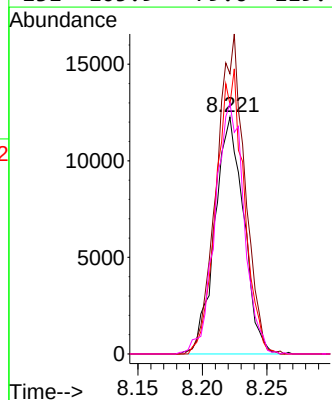
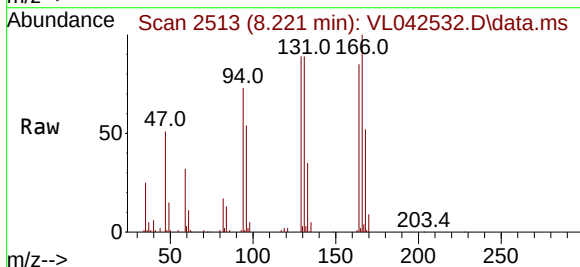
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

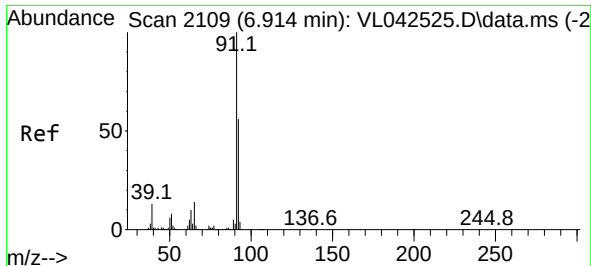
Tgt Ion: 43 Resp: 33088
Ion Ratio Lower Upper
43 100
58 44.3 37.5 56.3
98 2.7 0.9 1.3#



#52
Tetrachloroethene
Concen: 1.863 ppbv
RT: 8.221 min Scan# 2513
Delta R.T. 0.010 min
Lab File: VL042532.D
Acq: 12 May 2025 12:58

Tgt Ion: 164 Resp: 19118
Ion Ratio Lower Upper
164 100
166 118.3 91.3 136.9
129 105.4 78.9 118.3
131 105.9 79.6 119.4





#53

Toluene

Concen: 1.882 ppbv

RT: 6.930 min Scan# 2109

Delta R.T. 0.016 min

Lab File: VL042532.D

Acq: 12 May 2025 12:58

Instrument :

MSVOA_L

ClientSampleId :

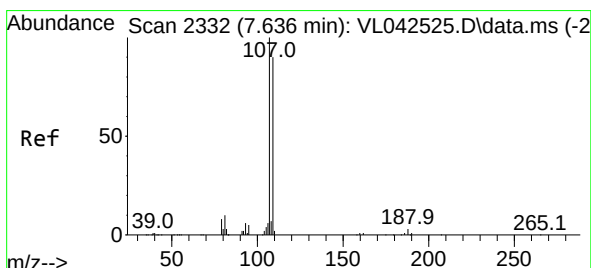
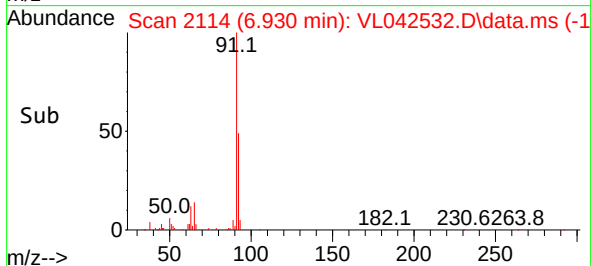
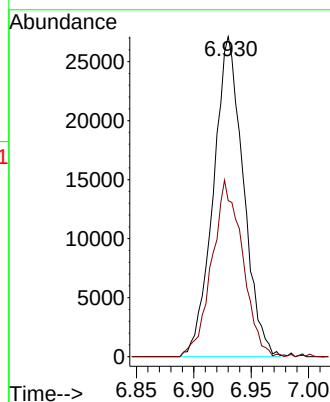
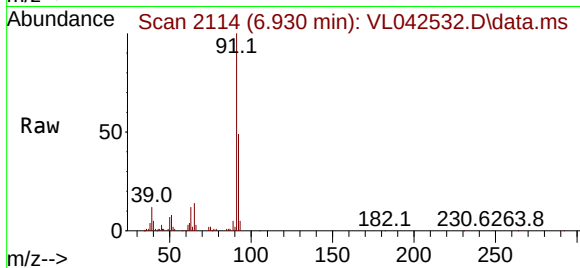
VSTDIC002

Tgt Ion: 91 Resp: 49216

Ion Ratio Lower Upper

91 100

92 56.6 47.8 71.6



#54

1,2-Dibromoethane

Concen: 1.958 ppbv

RT: 7.648 min Scan# 2336

Delta R.T. 0.013 min

Lab File: VL042532.D

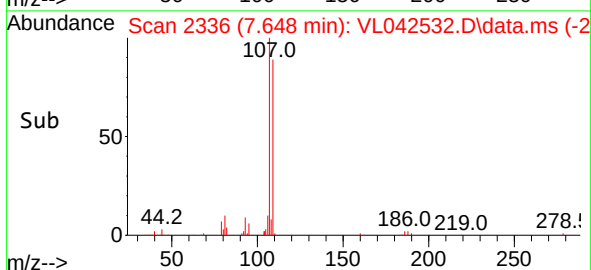
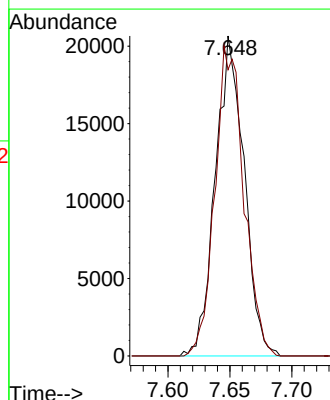
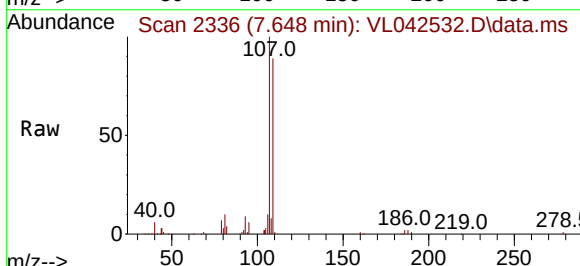
Acq: 12 May 2025 12:58

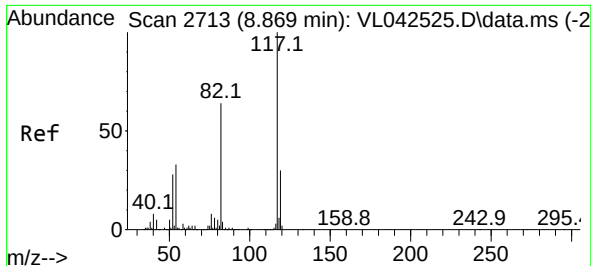
Tgt Ion: 107 Resp: 33420

Ion Ratio Lower Upper

107 100

109 89.5 72.2 108.4

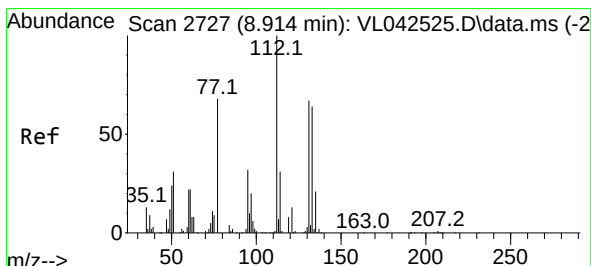
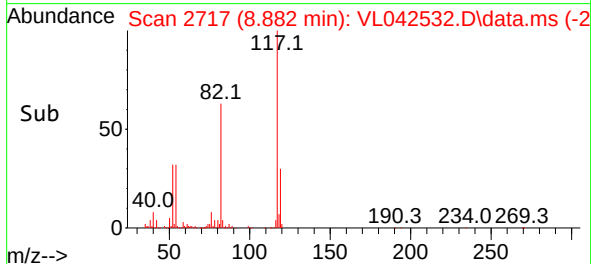
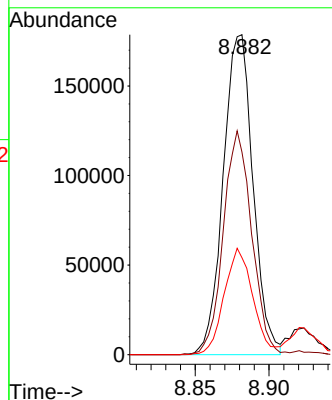
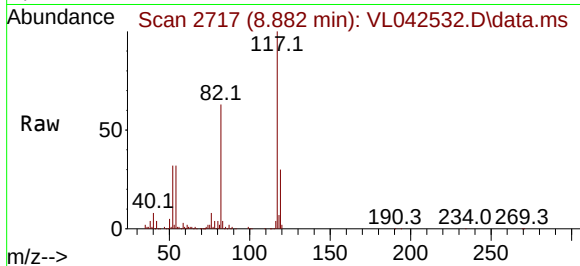




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.882 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL042532.D
Acq: 12 May 2025 12:58

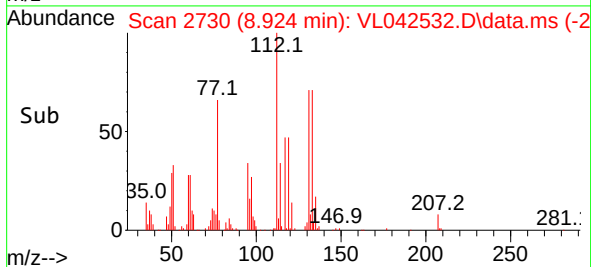
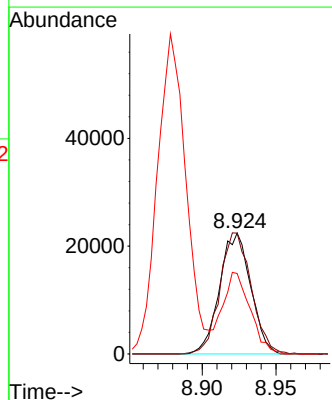
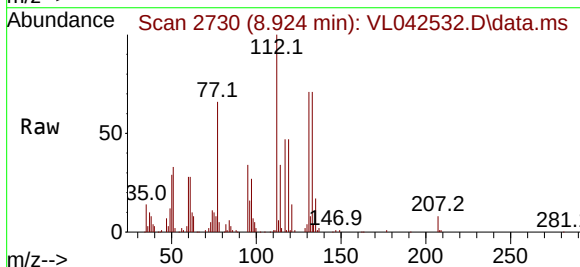
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

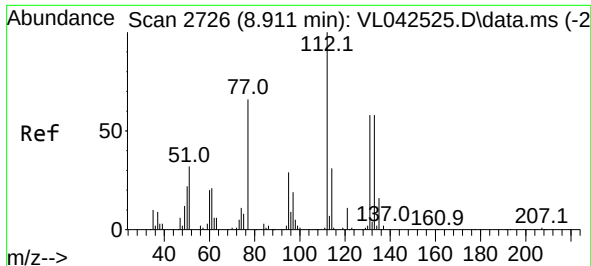
Tgt Ion:117 Resp: 251305
Ion Ratio Lower Upper
117 100
82 67.6 55.0 82.4
119 31.9 25.8 38.6



#56
1,1,1,2-Tetrachloroethane
Concen: 2.119 ppbv
RT: 8.924 min Scan# 2730
Delta R.T. 0.010 min
Lab File: VL042532.D
Acq: 12 May 2025 12:58

Tgt Ion:131 Resp: 33013
Ion Ratio Lower Upper
131 100
133 100.7 77.4 116.2
119 54.3 49.0 73.4

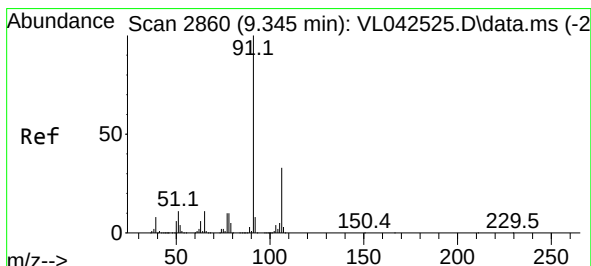
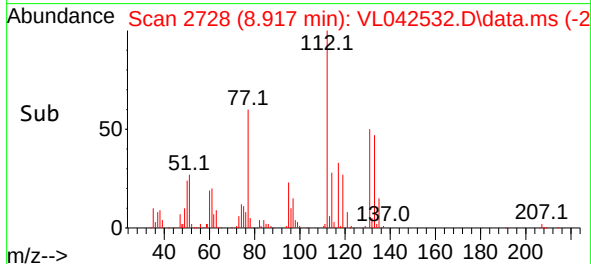
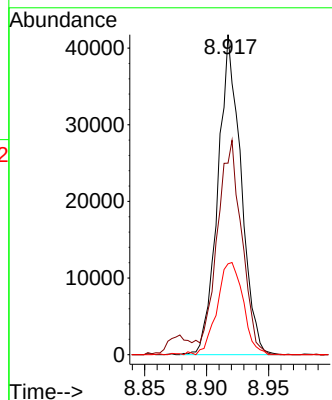
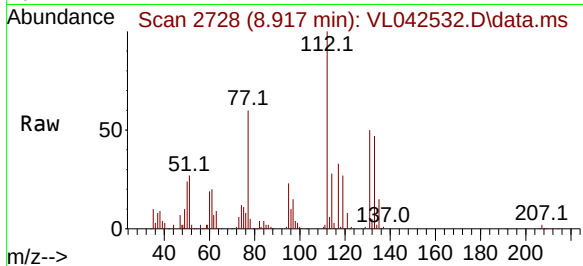




#57
Chlorobenzene
Concen: 2.147 ppbv
RT: 8.917 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL042532.D
Acq: 12 May 2025 12:58

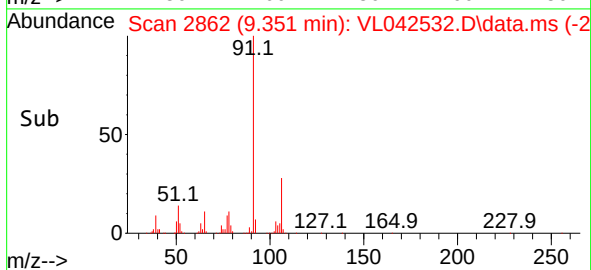
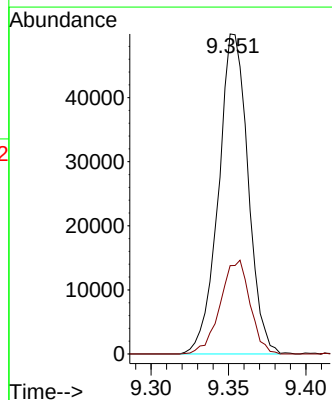
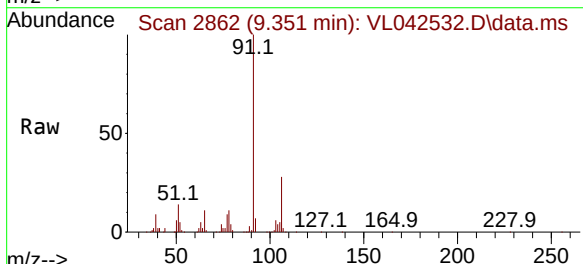
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC002

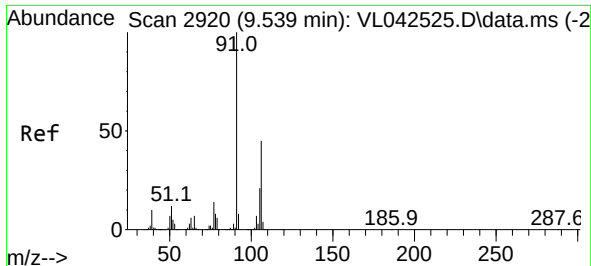
Tgt Ion: 112 Resp: 54172
Ion Ratio Lower Upper
112 100
77 59.7 53.6 80.4
114 28.4 28.2 34.4



#58
Ethyl Benzene
Concen: 1.934 ppbv
RT: 9.351 min Scan# 2862
Delta R.T. 0.006 min
Lab File: VL042532.D
Acq: 12 May 2025 12:58

Tgt Ion: 91 Resp: 66256
Ion Ratio Lower Upper
91 100
106 27.6 26.0 39.0





#59

m/p-Xylene

Concen: 2.577 ppbv

RT: 9.545 min Scan# 2920

Delta R.T. 0.006 min

Lab File: VL042532.D

Acq: 12 May 2025 12:58

Instrument :

MSVOA_L

ClientSampleId :

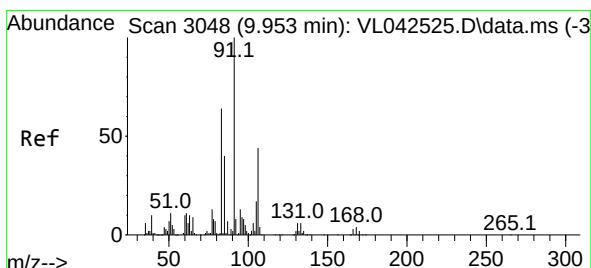
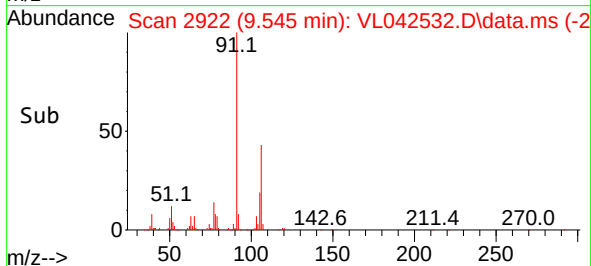
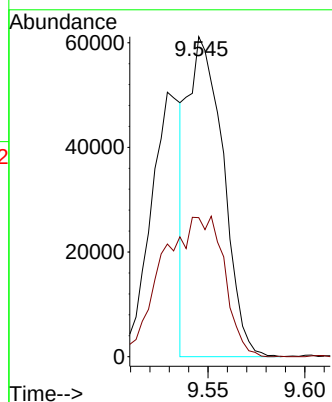
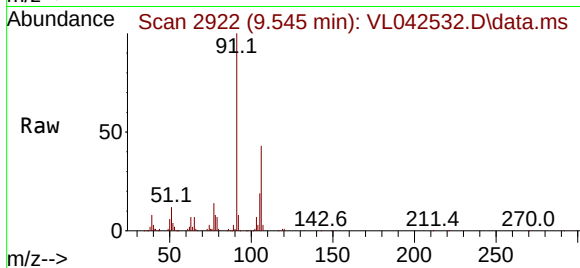
VSTDIC002

Tgt Ion: 91 Resp: 78521

Ion Ratio Lower Upper

91 100

106 76.3 0.0 0.0#



#60

o-Xylene

Concen: 2.188 ppbv

RT: 9.963 min Scan# 3051

Delta R.T. 0.010 min

Lab File: VL042532.D

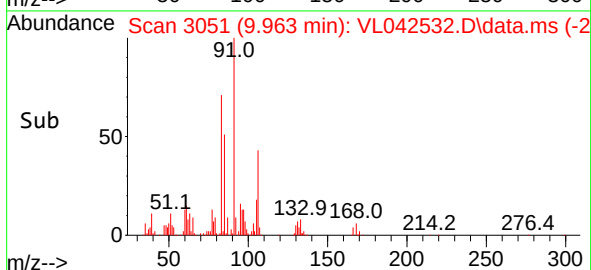
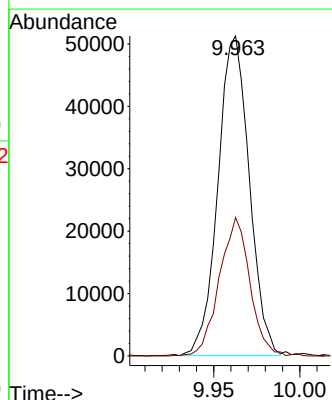
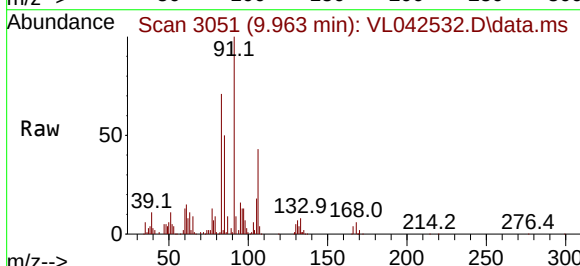
Acq: 12 May 2025 12:58

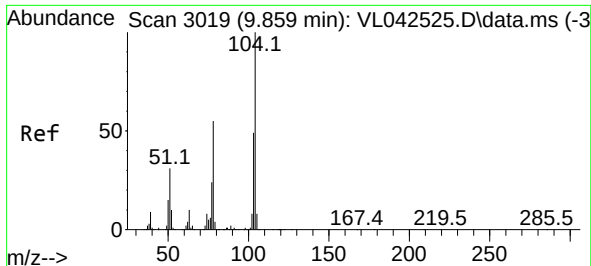
Tgt Ion: 91 Resp: 64958

Ion Ratio Lower Upper

91 100

106 42.3 21.6 64.6





#61

Styrene

Concen: 1.781 ppbv

RT: 9.869 min Scan# 3019

Delta R.T. 0.010 min

Lab File: VL042532.D

Acq: 12 May 2025 12:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

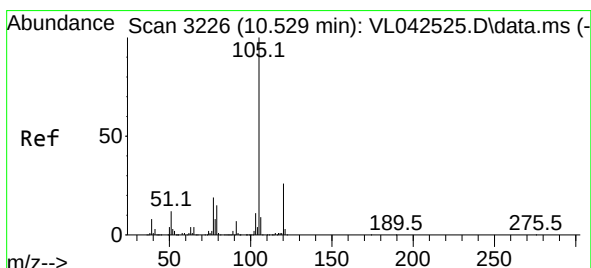
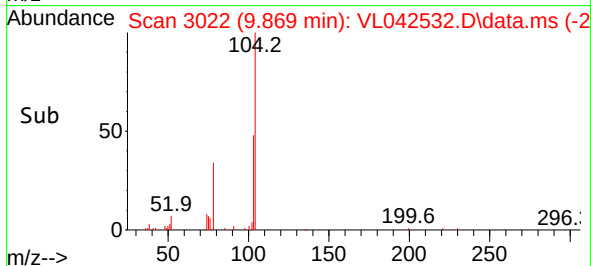
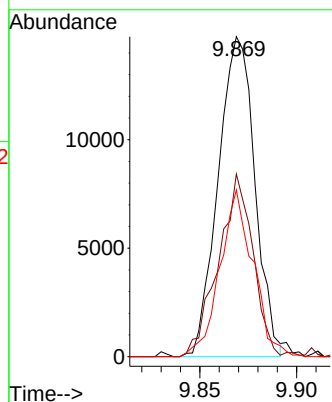
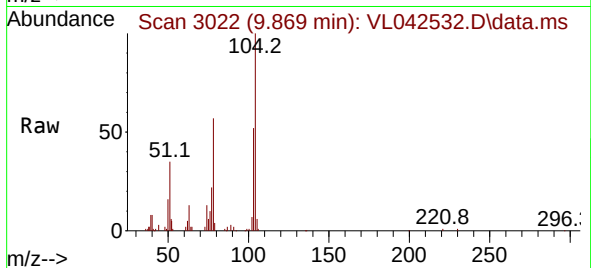
Tgt Ion:104 Resp: 19477

Ion Ratio Lower Upper

104 100

78 54.5 44.7 67.1

103 47.0 38.6 58.0



#62

Isopropylbenzene

Concen: 2.147 ppbv

RT: 10.539 min Scan# 3229

Delta R.T. 0.010 min

Lab File: VL042532.D

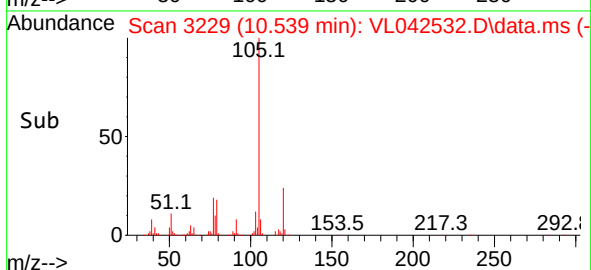
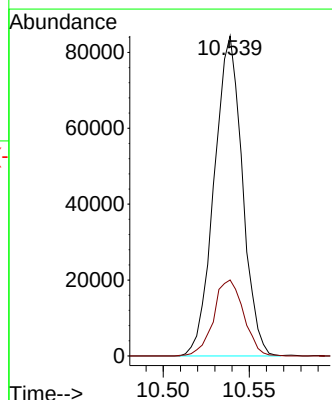
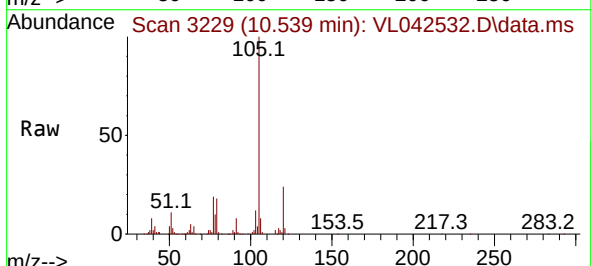
Acq: 12 May 2025 12:58

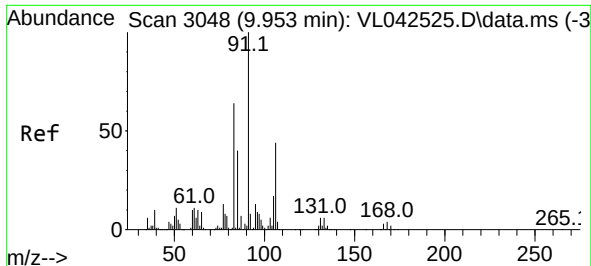
Tgt Ion:105 Resp: 96054

Ion Ratio Lower Upper

105 100

120 25.3 20.1 30.1

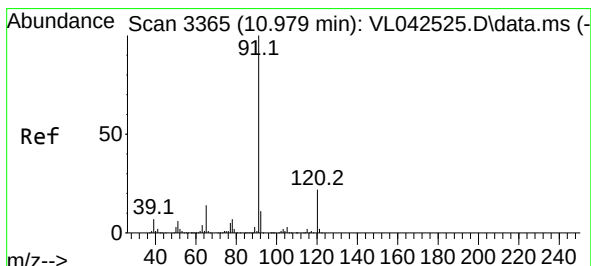
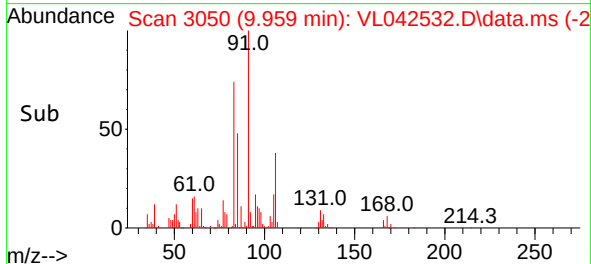
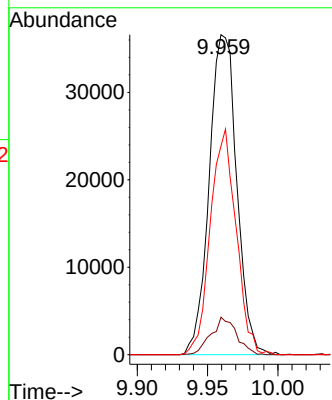
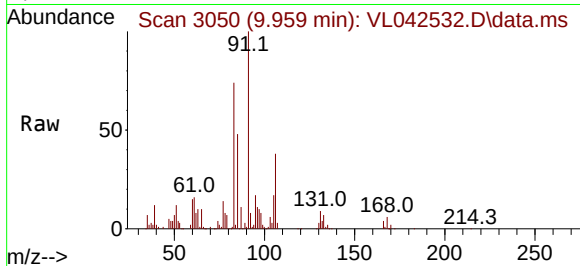




#63
 1,1,2,2-Tetrachloroethane
 Concen: 2.096 ppbv
 RT: 9.959 min Scan# 3048
 Delta R.T. 0.006 min
 Lab File: VL042532.D
 Acq: 12 May 2025 12:58

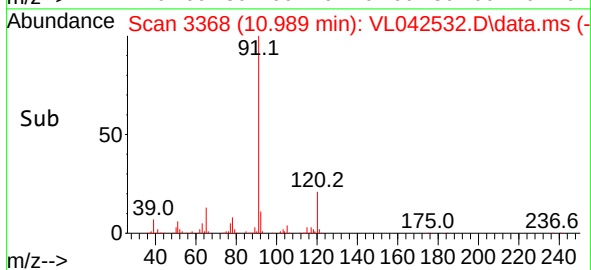
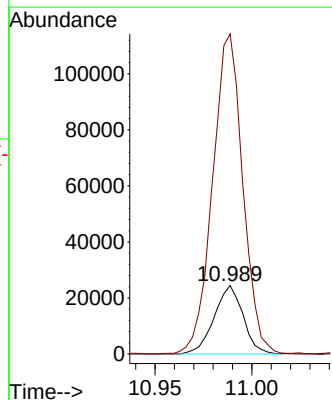
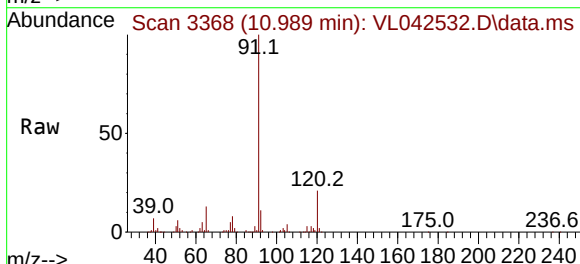
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

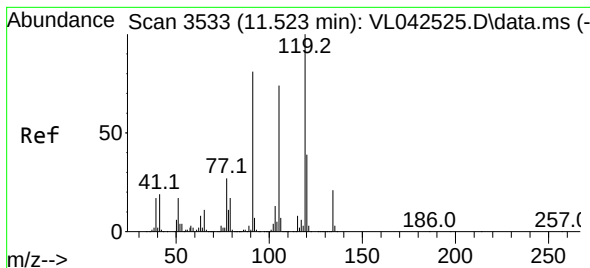
Tgt Ion: 83 Resp: 49909
 Ion Ratio Lower Upper
 83 100
 131 10.8 4.9 14.7
 85 65.9 32.3 96.8



#64
 n-propylbenzene
 Concen: 2.230 ppbv
 RT: 10.989 min Scan# 3368
 Delta R.T. 0.010 min
 Lab File: VL042532.D
 Acq: 12 May 2025 12:58

Tgt Ion: 120 Resp: 25286
 Ion Ratio Lower Upper
 120 100
 91 491.5 377.7 566.5

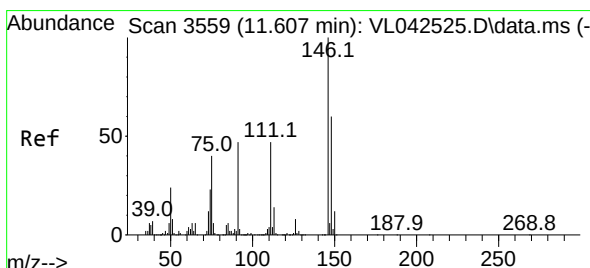
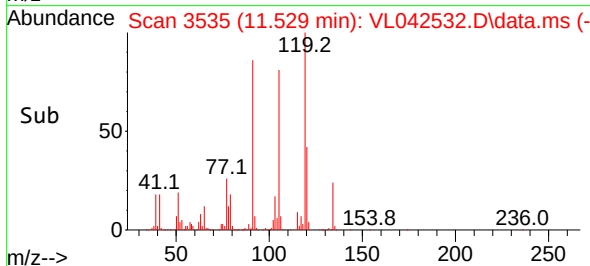
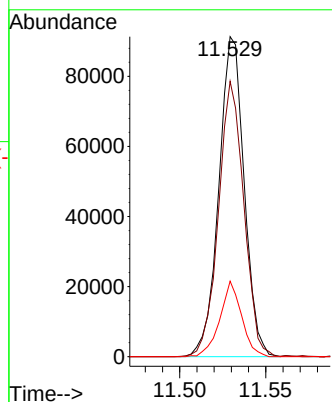
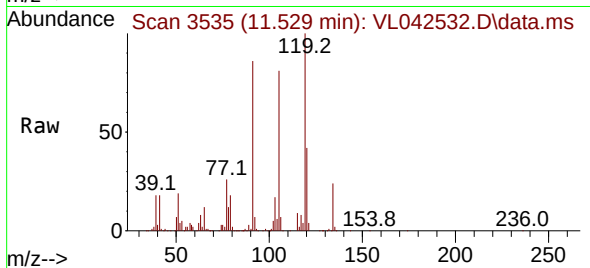




#65
tert-Butylbenzene
Concen: 2.278 ppbv
RT: 11.529 min Scan# 3533
Delta R.T. 0.006 min
Lab File: VL042532.D
Acq: 12 May 2025 12:58

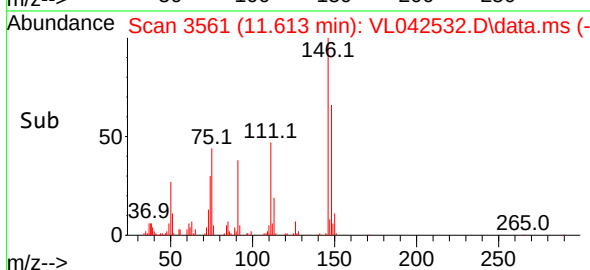
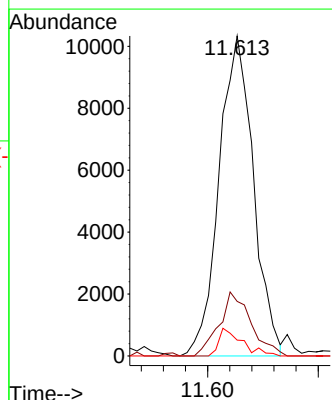
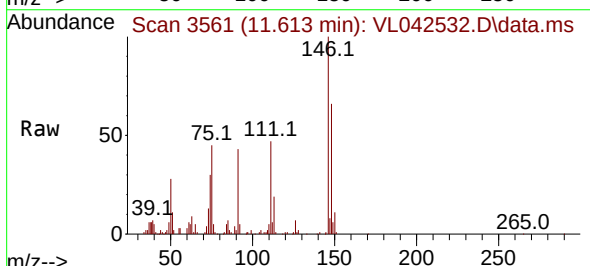
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC002

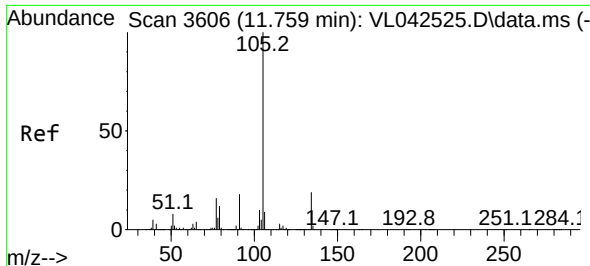
Tgt Ion:119 Resp: 93604
Ion Ratio Lower Upper
119 100
91 86.3 66.6 99.8
134 20.3 16.3 24.5



#66
Benzyl Chloride
Concen: 2.047 ppbv
RT: 11.613 min Scan# 3561
Delta R.T. 0.006 min
Lab File: VL042532.D
Acq: 12 May 2025 12:58

Tgt Ion: 91 Resp: 11128
Ion Ratio Lower Upper
91 100
126 19.1 13.7 20.5
128 5.9 4.2 6.2

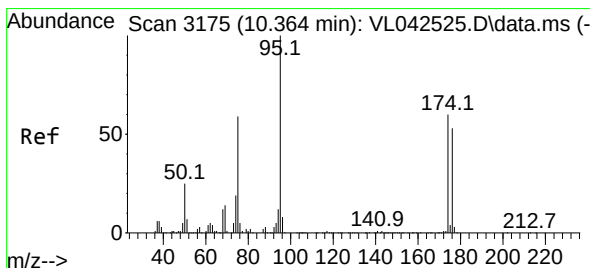
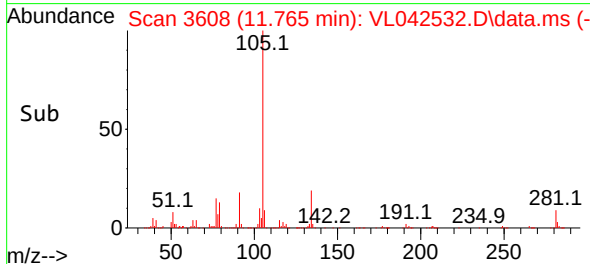
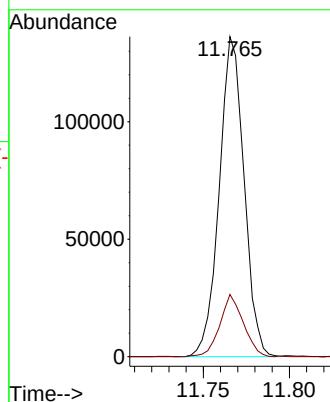
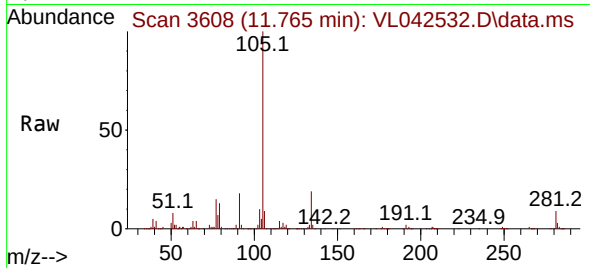




#67
 sec-Butylbenzene
 Concen: 2.316 ppbv
 RT: 11.765 min Scan# 3608
 Delta R.T. 0.006 min
 Lab File: VL042532.D
 Acq: 12 May 2025 12:58

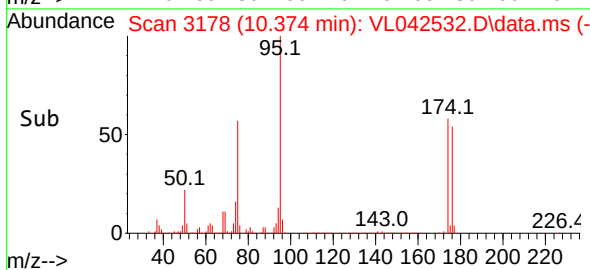
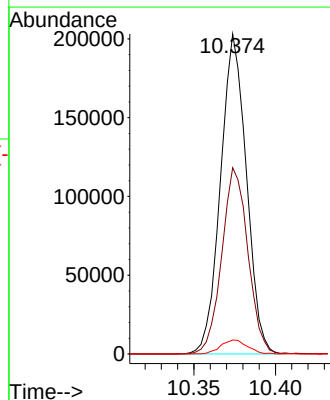
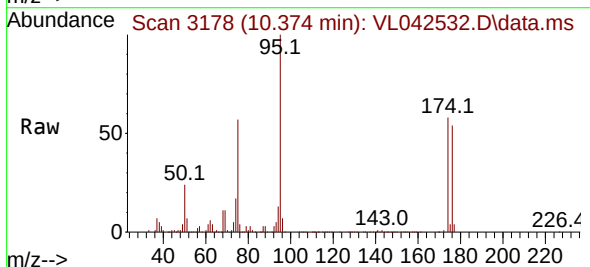
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC002

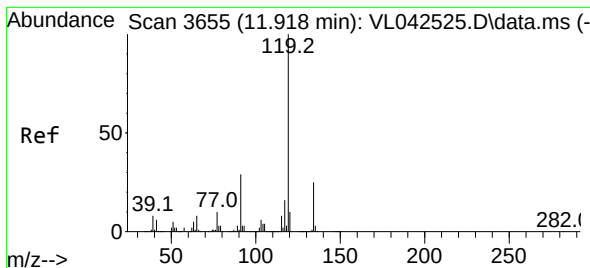
Tgt Ion:105 Resp: 136432
 Ion Ratio Lower Upper
 105 100
 134 18.5 14.9 22.3



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.238 ppbv
 RT: 10.374 min Scan# 3178
 Delta R.T. 0.010 min
 Lab File: VL042532.D
 Acq: 12 May 2025 12:58

Tgt Ion: 95 Resp: 223868
 Ion Ratio Lower Upper
 95 100
 174 59.0 48.0 72.0
 175 4.6 3.5 5.3

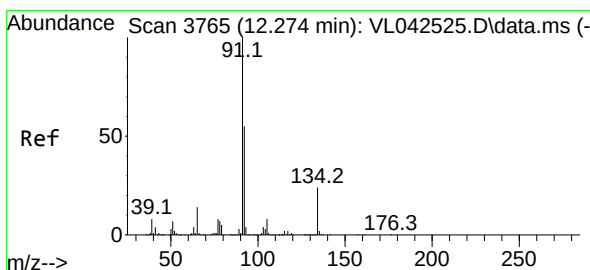
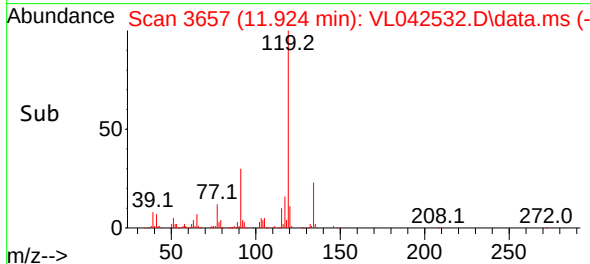
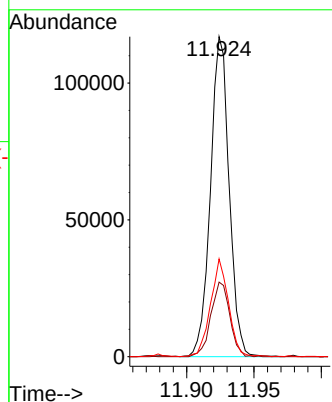
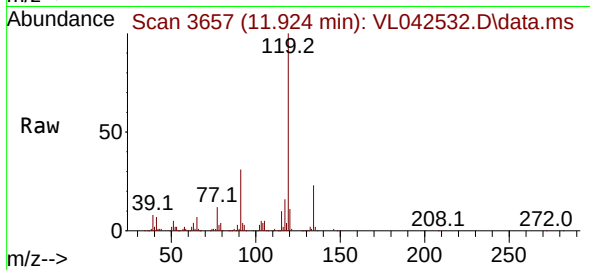




#69
 p-Isopropyltoluene
 Concen: 2.332 ppbv
 RT: 11.924 min Scan# 3657
 Delta R.T. 0.006 min
 Lab File: VL042532.D
 Acq: 12 May 2025 12:58

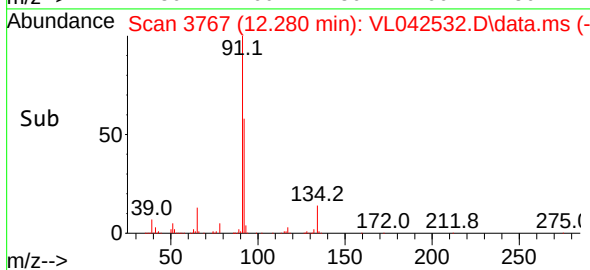
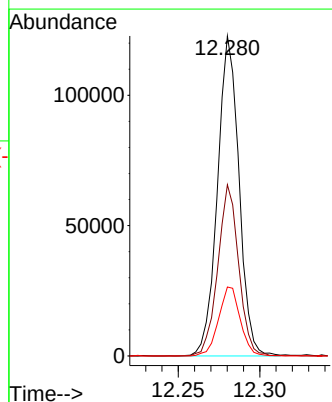
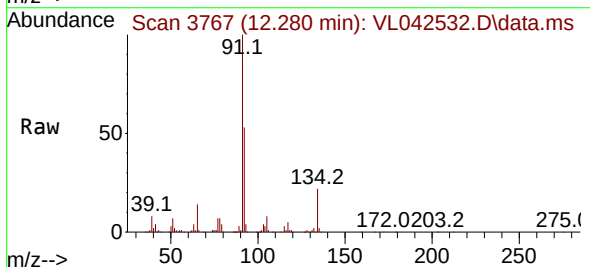
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC002

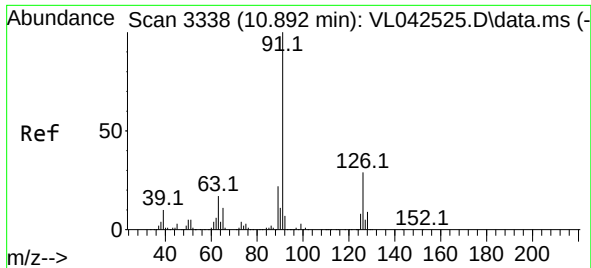
Tgt Ion:119	Resp:	112913
Ion	Ratio	Lower Upper
119	100	
134	23.5	19.8 29.6
91	30.3	23.6 35.4



#70
 n-Butylbenzene
 Concen: 2.357 ppbv
 RT: 12.280 min Scan# 3767
 Delta R.T. 0.006 min
 Lab File: VL042532.D
 Acq: 12 May 2025 12:58

Tgt Ion: 91	Resp:	112776
Ion	Ratio	Lower Upper
91	100	
92	51.8	43.7 65.5
134	21.7	18.9 28.3

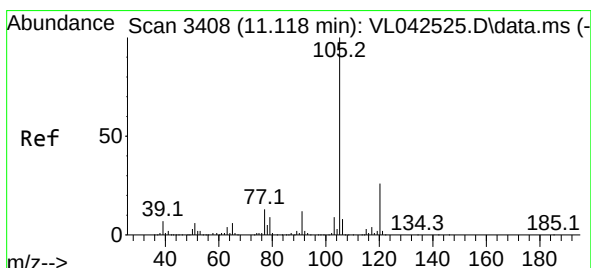
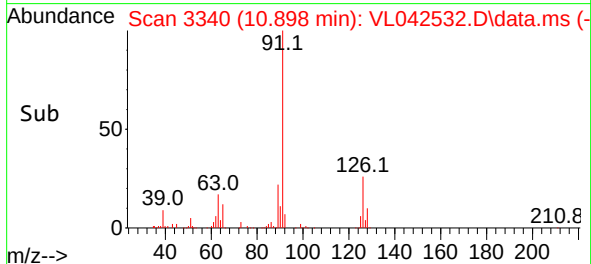
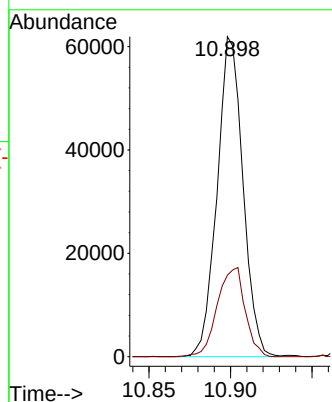
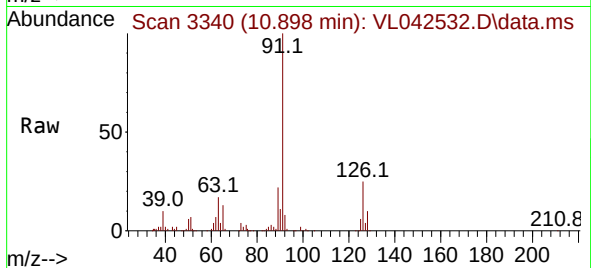




#71
2-Chlorotoluene
Concen: 2.012 ppbv
RT: 10.898 min Scan# 31
Delta R.T. 0.006 min
Lab File: VL042532.D
Acq: 12 May 2025 12:58

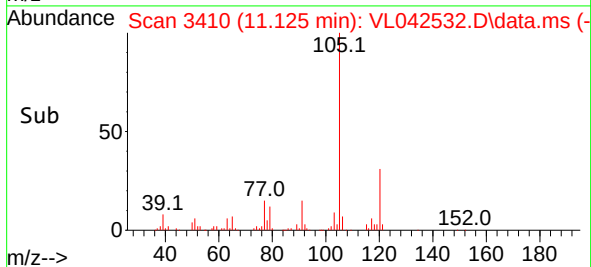
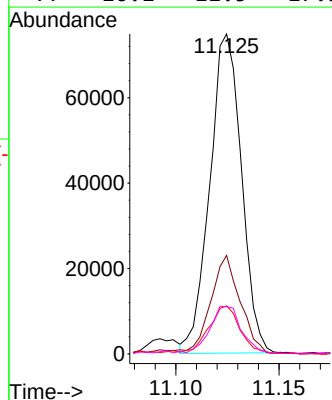
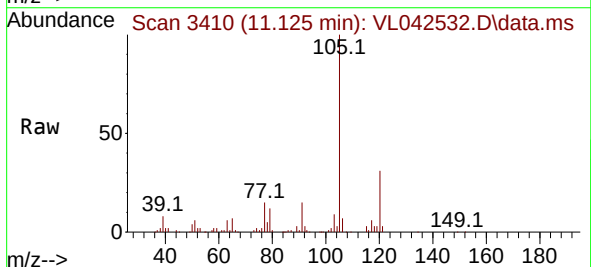
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

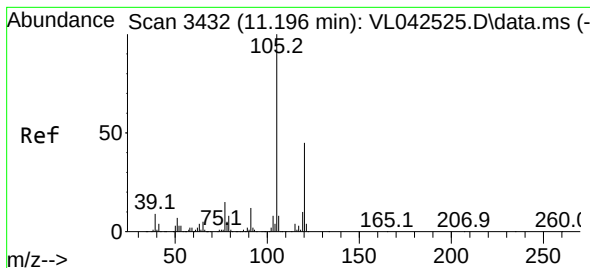
Tgt Ion: 91 Resp: 68153
Ion Ratio Lower Upper
91 100
126 29.9 11.4 45.6



#72
4-Ethyltoluene
Concen: 2.162 ppbv
RT: 11.125 min Scan# 3410
Delta R.T. 0.006 min
Lab File: VL042532.D
Acq: 12 May 2025 12:58

Tgt Ion: 105 Resp: 79670
Ion Ratio Lower Upper
105 100
120 30.3 22.9 34.3
91 16.3 10.9 16.3
77 16.1 11.5 17.3





#73

1,3,5-Trimethylbenzene

Concen: 2.242 ppbv

RT: 11.202 min Scan# 3432

Delta R.T. 0.006 min

Lab File: VL042532.D

Acq: 12 May 2025 12:58

Instrument :

MSVOA_1

ClientSampleId :

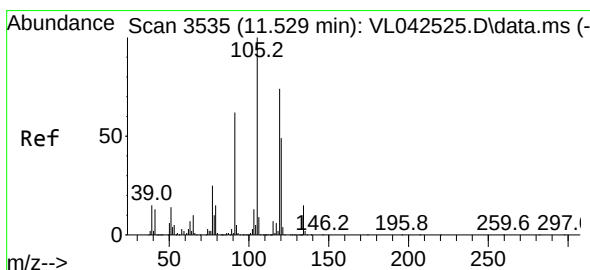
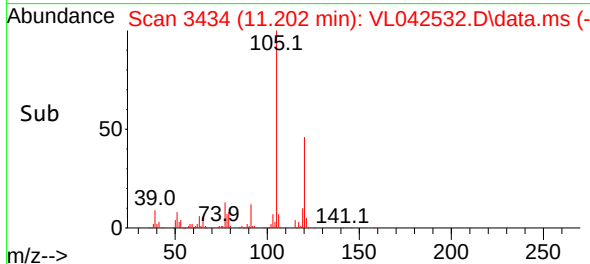
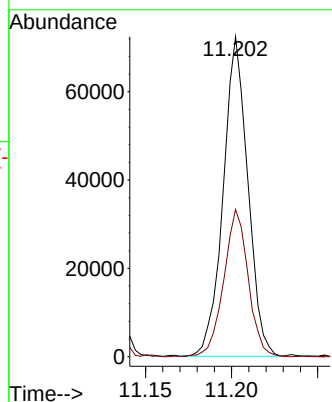
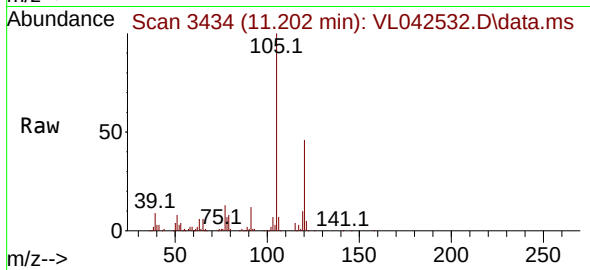
VSTDIC002

Tgt Ion:105 Resp: 71983

Ion Ratio Lower Upper

105 100

120 46.0 36.0 54.0



#74

1,2,4-Trimethylbenzene

Concen: 2.443 ppbv

RT: 11.536 min Scan# 3537

Delta R.T. 0.006 min

Lab File: VL042532.D

Acq: 12 May 2025 12:58

Tgt Ion:105 Resp: 96474

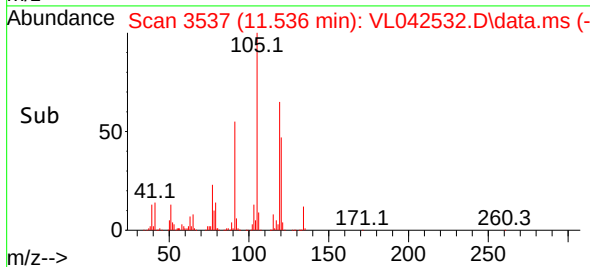
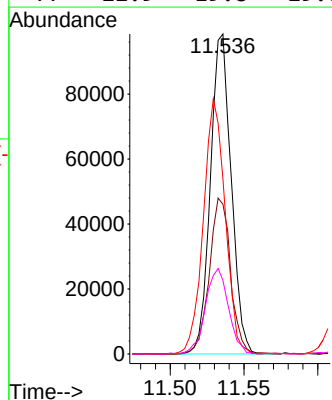
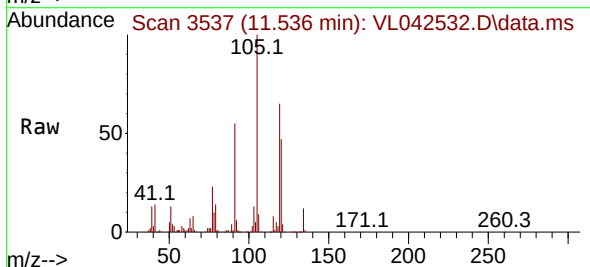
Ion Ratio Lower Upper

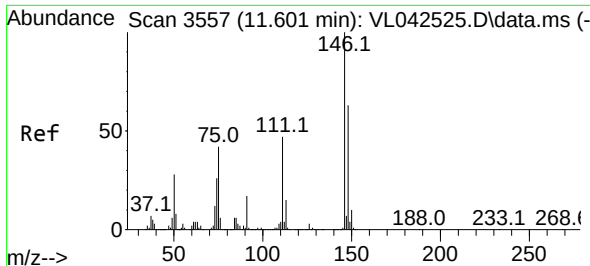
105 100

120 46.8 39.0 58.6

91 54.6 49.4 74.2

77 22.9 19.8 29.6

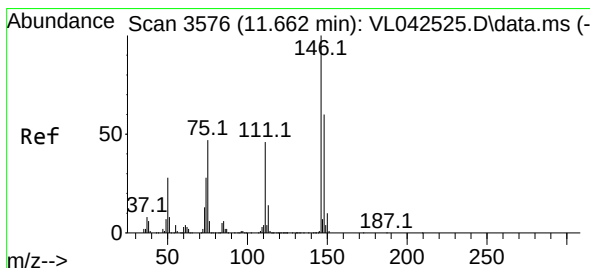
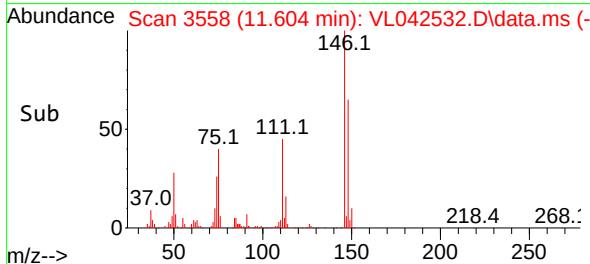
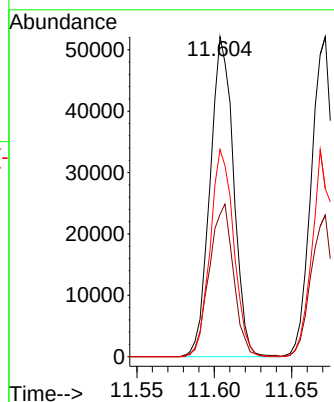
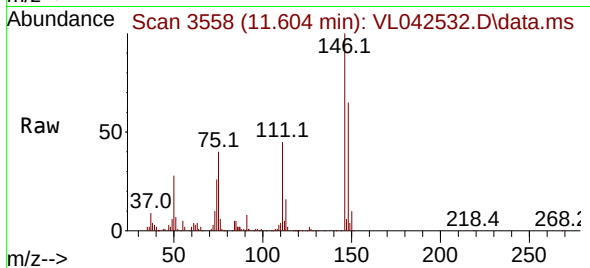




#75
1,3-Dichlorobenzene
Concen: 2.221 ppbv
RT: 11.604 min Scan# 3557
Delta R.T. 0.003 min
Lab File: VL042532.D
Acq: 12 May 2025 12:58

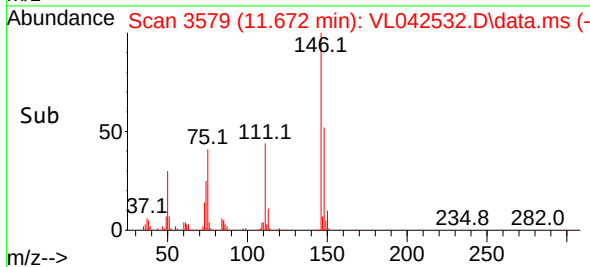
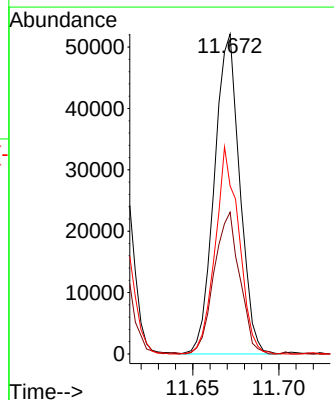
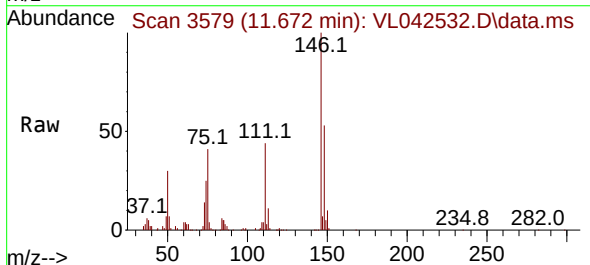
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC002

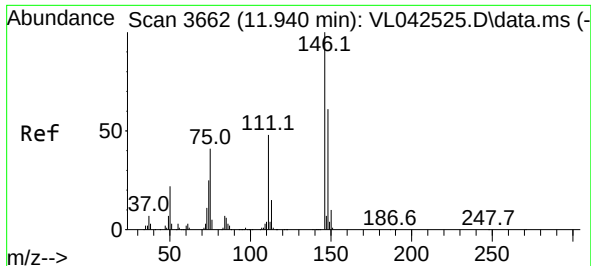
Tgt Ion:146 Resp: 54948
Ion Ratio Lower Upper
146 100
111 49.2 23.6 71.0
148 65.0 31.6 94.8



#76
1,4-Dichlorobenzene
Concen: 2.272 ppbv
RT: 11.672 min Scan# 3579
Delta R.T. 0.010 min
Lab File: VL042532.D
Acq: 12 May 2025 12:58

Tgt Ion:146 Resp: 53480
Ion Ratio Lower Upper
146 100
111 44.8 23.4 70.3
148 60.3 31.6 94.7

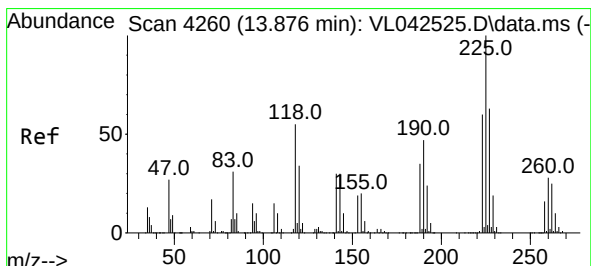
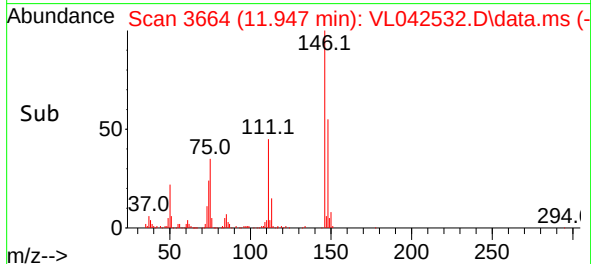
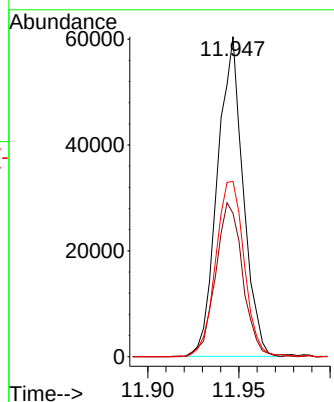
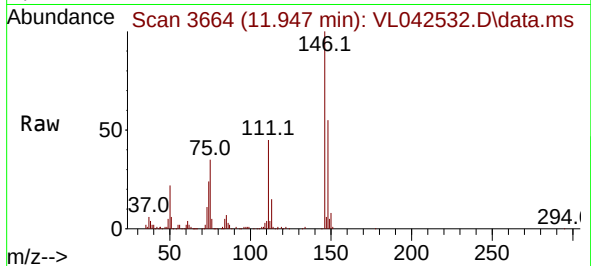




#77
 1,2-Dichlorobenzene
 Concen: 2.317 ppbv
 RT: 11.947 min Scan# 3664
 Delta R.T. 0.006 min
 Lab File: VL042532.D
 Acq: 12 May 2025 12:58

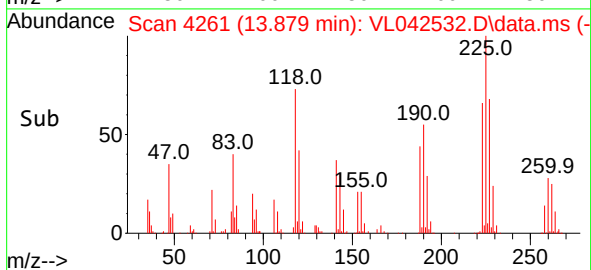
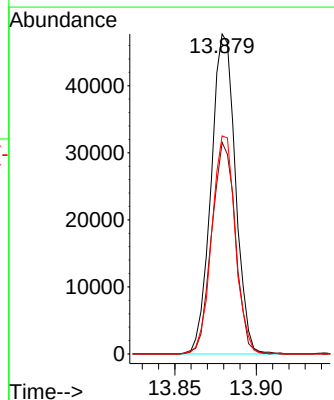
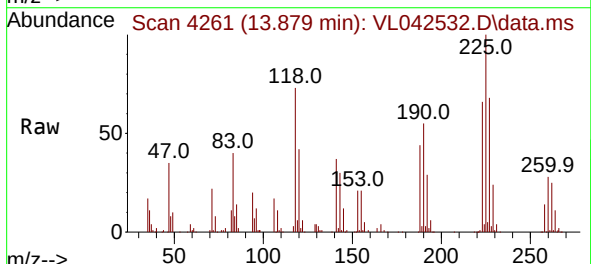
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

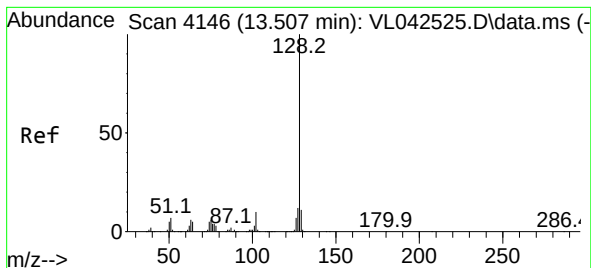
Tgt Ion:146 Resp: 59194
 Ion Ratio Lower Upper
 146 100
 111 50.9 24.9 74.8
 148 60.9 31.4 94.2



#78
 Hexachloro-1,3-Butadiene
 Concen: 2.258 ppbv
 RT: 13.879 min Scan# 4261
 Delta R.T. 0.003 min
 Lab File: VL042532.D
 Acq: 12 May 2025 12:58

Tgt Ion:225 Resp: 49456
 Ion Ratio Lower Upper
 225 100
 223 64.6 50.8 76.2
 227 65.9 50.5 75.7





#79

Naphthalene

Concen: 2.564 ppbv

RT: 13.513 min Scan# 4146

Delta R.T. 0.006 min

Lab File: VL042532.D

Acq: 12 May 2025 12:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

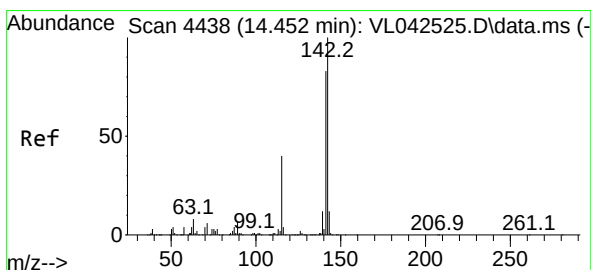
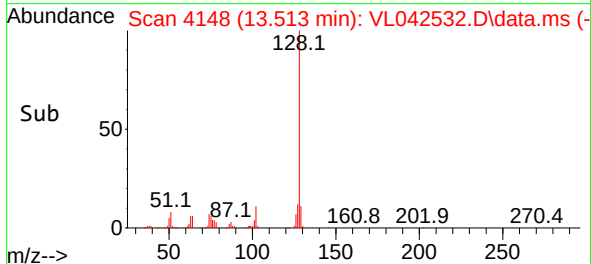
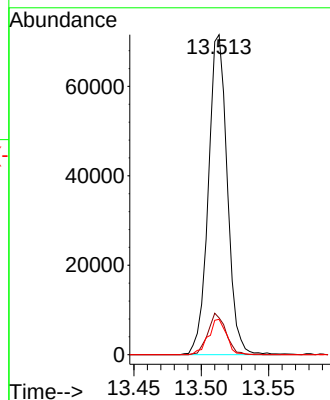
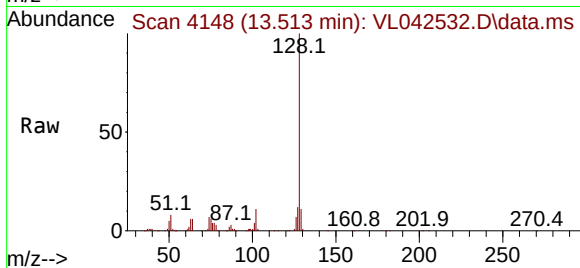
Tgt Ion:128 Resp: 69902

Ion Ratio Lower Upper

128 100

127 11.5 9.8 14.8

129 11.0 8.6 12.8



#80

Naphthalene,2-methyl-

Concen: 1.841 ppbv

RT: 14.458 min Scan# 4440

Delta R.T. 0.006 min

Lab File: VL042532.D

Acq: 12 May 2025 12:58

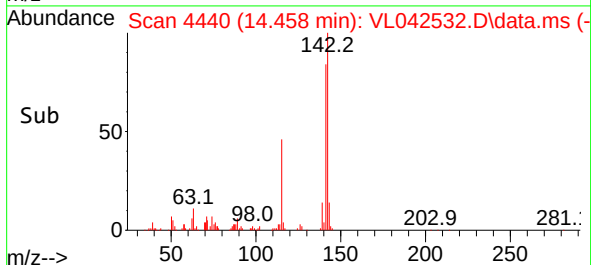
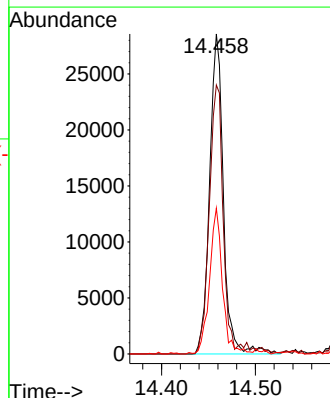
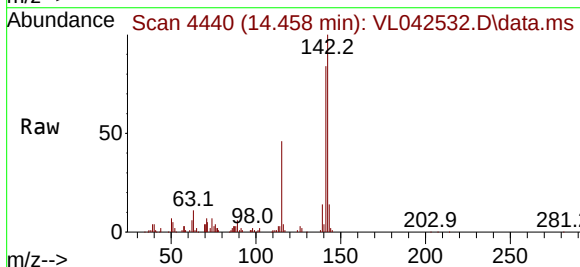
Tgt Ion:142 Resp: 29203

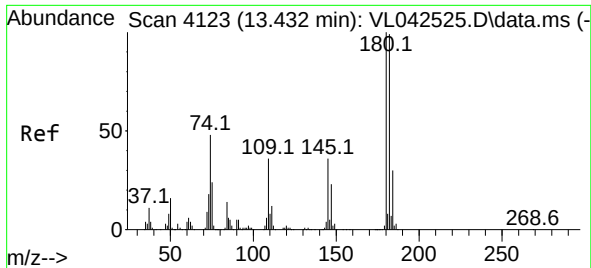
Ion Ratio Lower Upper

142 100

141 88.4 66.8 100.2

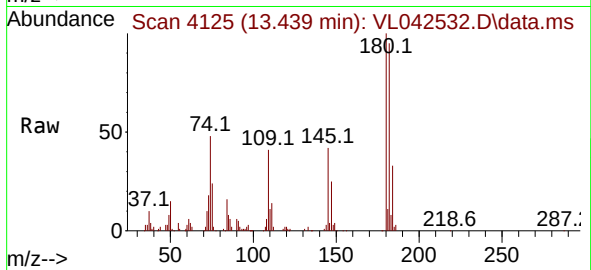
115 43.9 33.0 49.6





#81
 1,2,4-Trichlorobenzene
 Concen: 2.268 ppbv
 RT: 13.439 min Scan# 41
 Delta R.T. 0.006 min
 Lab File: VL042532.D
 Acq: 12 May 2025 12:58

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002



Tgt Ion:	180	Resp:	37757
Ion	Ratio	Lower	Upper
180	100		
182	97.5	76.6	114.8
184	31.0	24.6	36.8

