

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051225\
 Data File : VL042528.D
 Acq On : 12 May 2025 10:41
 Operator : SY/MD
 Sample : VSTDICC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.5

Quant Time: May 12 23:47:58 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	2.777	49	103645	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.946	114	291247	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.872	117	246447	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.367	95	217536	10.145	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.400%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.492	85	9514	0.565	ppbv	99
3) Chlorodifluoromethane	1.470	51	8566	0.499	ppbv	95
4) Chloromethane	1.528	50	3614	0.526	ppbv #	85
5) Vinyl Chloride	1.573	62	3669	0.522	ppbv	89
6) Bromomethane	1.661	94	1851	0.555	ppbv	88
7) Chloroethane	1.696	64	1420	0.513	ppbv #	78
8) Dichlorotetrafluoroethane	1.550	85	8379	0.579	ppbv	88
9) Propene	1.479	41	2647	0.711	ppbv #	1
10) Heptane	4.955	43	2051	0.144	ppbv #	1
11) Trichlorofluoromethane	1.871	101	8790	0.543	ppbv	96
12) 1,1,2-Trichlorotrifluo...	2.130	101	7332	0.564	ppbv	98
13) Ethanol	1.719	45	696	0.684	ppbv	68
14) Bromoethene	1.774	108	2341	0.494	ppbv #	92
15) Acetone	1.832	43	10090	0.609	ppbv	98
16) 1,3-Butadiene	1.602	39	4136	0.555	ppbv	92
17) tert-Butyl alcohol	2.036	59	8145	0.532	ppbv	96
18) 1,1-Dichloroethene	2.334	96	3615	0.634	ppbv	83
19) Isopropyl Alcohol	1.881	45	5254	0.584	ppbv #	98
20) Methylene Chloride	2.055	84	3987	0.691	ppbv #	74
21) Allyl Chloride	2.091	41	5485	0.500	ppbv #	84
22) trans-1,2-Dichloroethene	2.334	96	3615	0.542	ppbv	95
23) Vinyl Acetate	2.453	43	9366	0.540	ppbv #	91
24) 1,1-Dichloroethane	2.402	63	6774	0.525	ppbv	99
25) Ethyl Acetate	2.832	43	11446	0.394	ppbv #	94
26) Hexane	2.819	57	4939	0.414	ppbv #	78
27) Carbon Disulfide	2.143	76	7953	0.516	ppbv #	1
28) Methyl tert-Butyl Ether	2.434	73	3573	0.539	ppbv #	87
29) Chloroform	2.842	83	13265	0.536	ppbv	87
30) Cyclohexane	3.845	84	1372	0.140	ppbv #	1
31) cis-1,2-Dichloroethene	2.712	61	6890	0.511	ppbv	89
32) 1,1,1-Trichloroethane	3.353	97	12360	0.495	ppbv	95
34) 2-Butanone	2.554	43	9997	0.521	ppbv	93
35) Carbon Tetrachloride	3.748	117	9197	0.351	ppbv	96
36) Benzene	3.645	78	12733	0.493	ppbv #	94
37) 1,2-Dichloroethane	3.208	62	9449	0.513	ppbv	98
38) Trichloroethene	4.551	130	449	0.041	ppbv	85
39) 1,2-Dichloropropane	4.298	63	2654	0.276	ppbv #	79
40) 1,4-Dioxane	4.577	88	194	0.051	ppbv #	22
41) Tetrahydrofuran	3.052	42	1405	0.170	ppbv #	30
42) Bromodichloromethane	4.483	83	4904	0.200	ppbv	92
43) Methyl Methacrylate	4.862	69	1408	0.163	ppbv #	1
44) 2,2,4-Trimethylpentane	4.625	57	17301	0.427	ppbv	92
45) t-1,3-Dichloropropene	6.389	75	1988	0.181	ppbv #	80

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051225\
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 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

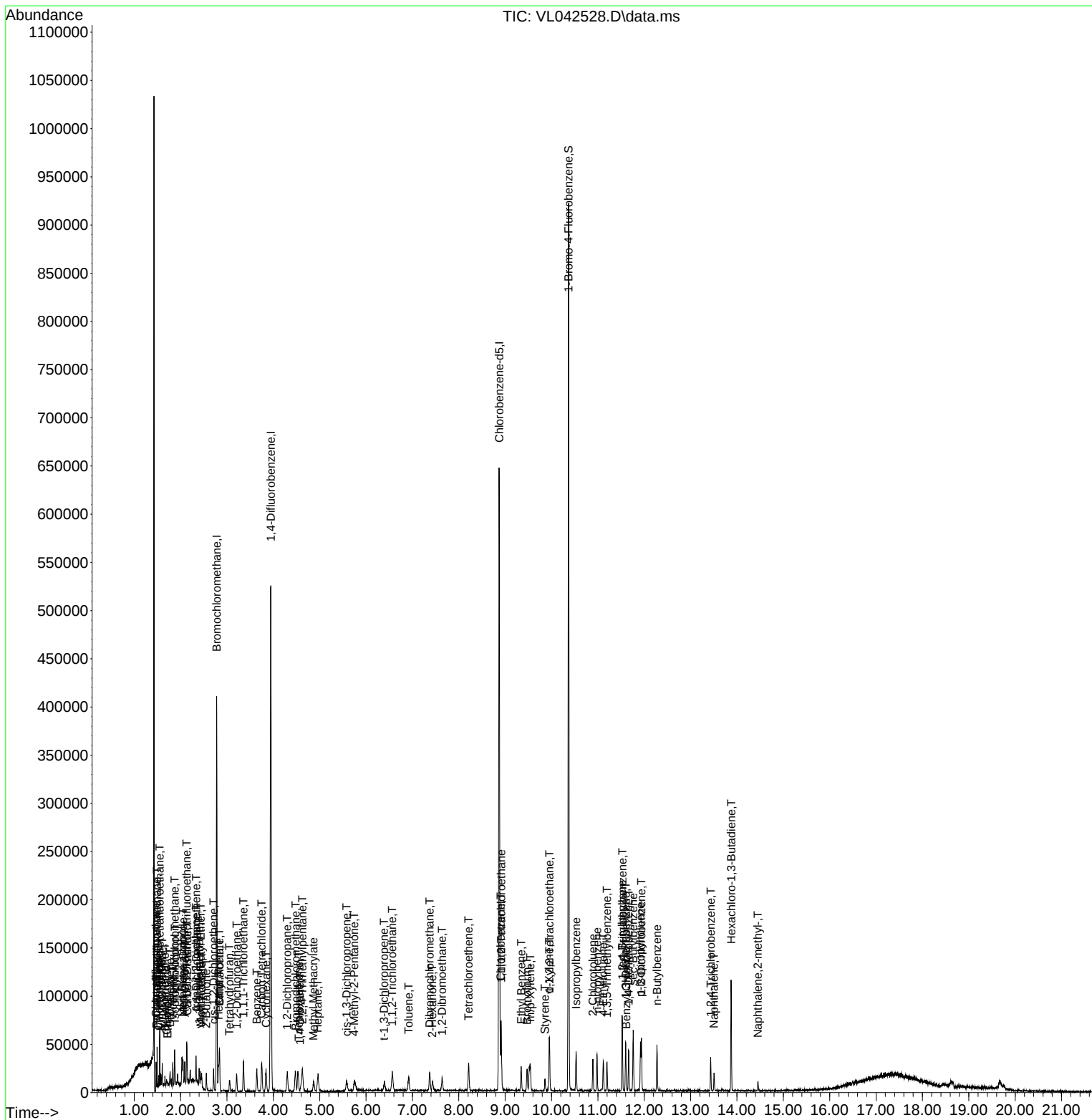
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 ClientSampleId :
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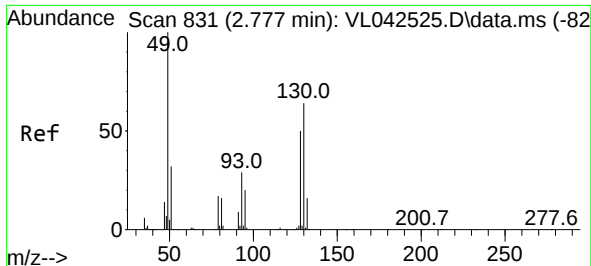
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL051225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Mon May 12 23:42:45 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.580	75	2611	0.197	ppbv #	61
47) 1,1,2-Trichloroethane	6.564	97	2915	0.258	ppbv #	45
48) Dibromochloromethane	7.370	129	5839	0.309	ppbv #	54
49) Bromoform	9.474	173	7130	0.460	ppbv	98
50) 4-Methyl-2-Pentanone	5.742	43	2980	0.132	ppbv #	1
51) 2-Hexanone	7.428	43	4380	0.262	ppbv #	83
52) Tetrachloroethene	8.208	164	4637	0.466	ppbv	97
53) Toluene	6.920	91	2481	0.098	ppbv #	1
54) 1,2-Dibromoethane	7.635	107	6271	0.379	ppbv	83
56) 1,1,1,2-Tetrachloroethane	8.917	131	8150	0.533	ppbv #	1
57) Chlorobenzene	8.907	112	12888	0.521	ppbv #	94
58) Ethyl Benzene	9.348	91	12895	0.384	ppbv	100
59) m/p-Xylene	9.545	91	5454	0.183	ppbv #	100
60) o-Xylene	9.950	91	9883	0.339	ppbv	96
61) Styrene	9.859	104	3566	0.332	ppbv	92
62) Isopropylbenzene	10.532	105	16603	0.378	ppbv	97
63) 1,1,2,2-Tetrachloroethane	9.956	83	11693	0.501	ppbv	99
64) n-propylbenzene	10.985	120	3758	0.338	ppbv	85
65) tert-Butylbenzene	11.523	119	13867	0.344	ppbv #	95
66) Benzyl Chloride	11.610	91	1111	0.208	ppbv #	69
67) sec-Butylbenzene	11.762	105	21235	0.368	ppbv	100
69) p-Isopropyltoluene	11.917	119	15071	0.317	ppbv #	90
70) n-Butylbenzene	12.277	91	15321	0.326	ppbv	95
71) 2-Chlorotoluene	10.895	91	13426	0.404	ppbv	94
72) 4-Ethyltoluene	11.115	105	12284	0.340	ppbv #	93
73) 1,3,5-Trimethylbenzene	11.199	105	6102	0.194	ppbv	88
74) 1,2,4-Trimethylbenzene	11.529	105	13113	0.339	ppbv	96
75) 1,3-Dichlorobenzene	11.600	146	10683	0.440	ppbv	94
76) 1,4-Dichlorobenzene	11.662	146	9591	0.416	ppbv	98
77) 1,2-Dichlorobenzene	11.940	146	12272	0.490	ppbv	99
78) Hexachloro-1,3-Butadiene	13.876	225	11535	0.537	ppbv	96
79) Naphthalene	13.503	128	8133	0.304	ppbv #	92
80) Naphthalene,2-methyl-	14.448	142	2920	0.188	ppbv #	90
81) 1,2,4-Trichlorobenzene	13.435	180	5016	0.307	ppbv	96

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

Quant Time: May 12 23:47:58 2025
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

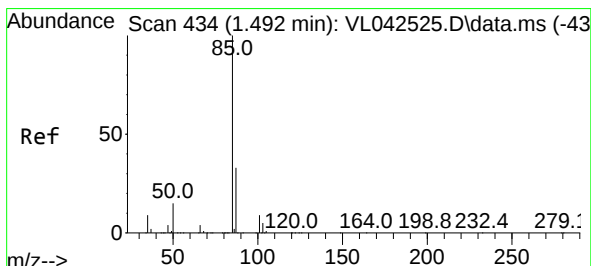
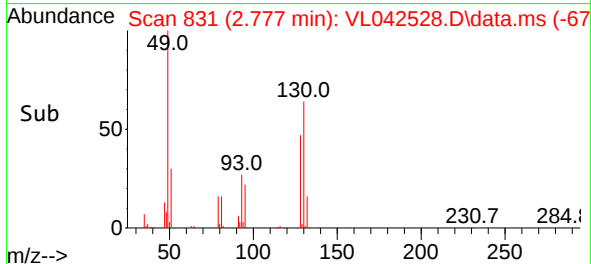
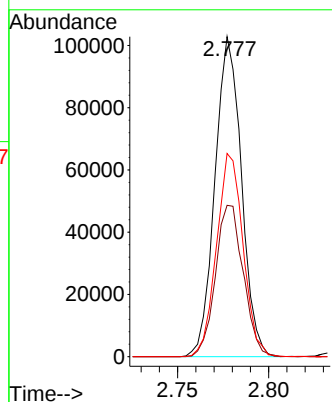
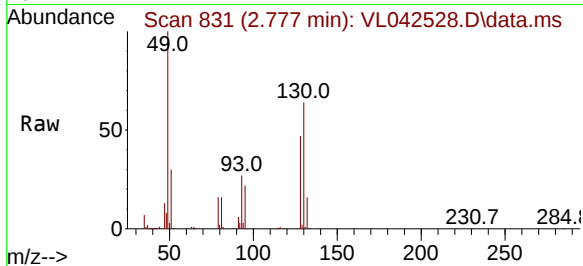




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.777 min Scan# 831
Delta R.T. 0.000 min
Lab File: VL042528.D
Acq: 12 May 2025 10:41

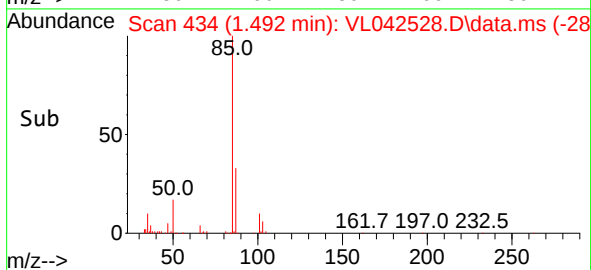
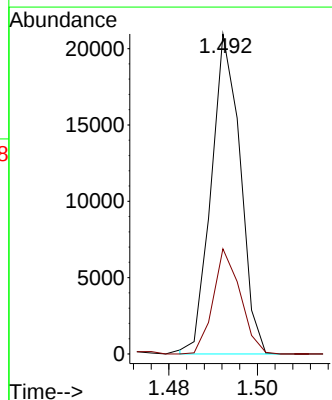
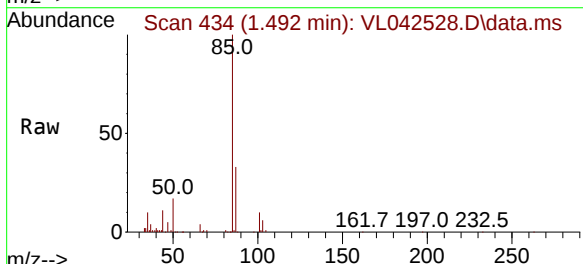
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

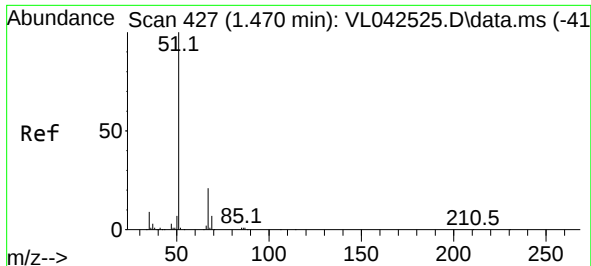
Tgt Ion: 49 Resp: 103645
Ion Ratio Lower Upper
49 100
128 49.7 24.9 74.6
130 63.7 32.5 97.5



#2
Dichlorodifluoromethane
Concen: 0.565 ppbv
RT: 1.492 min Scan# 434
Delta R.T. -0.000 min
Lab File: VL042528.D
Acq: 12 May 2025 10:41

Tgt Ion: 85 Resp: 9514
Ion Ratio Lower Upper
85 100
87 32.9 26.8 40.2

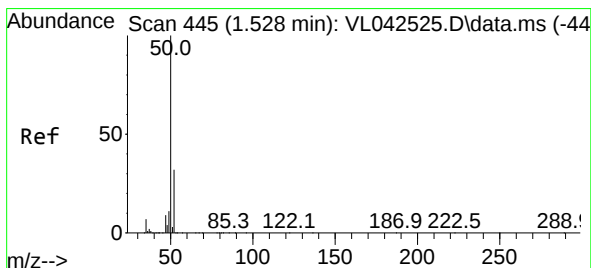
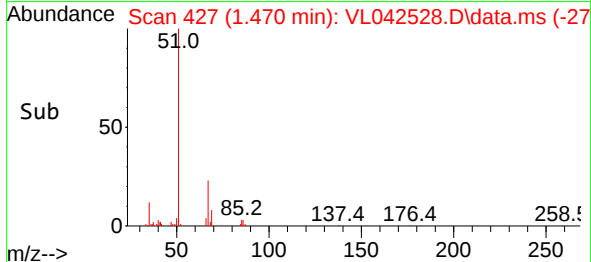
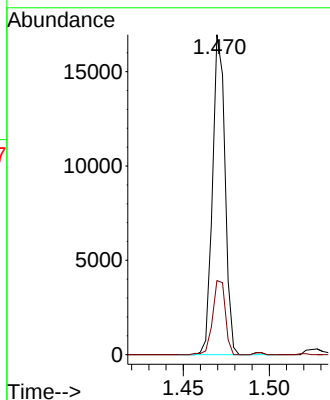
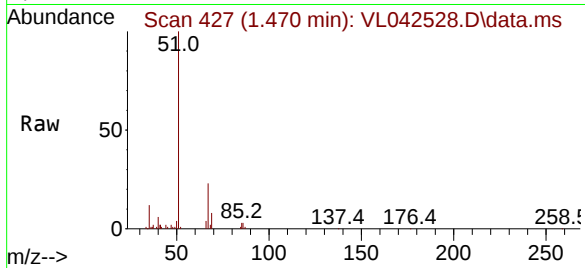




#3
Chlorodifluoromethane
Concen: 0.499 ppbv
RT: 1.470 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL042528.D
Acq: 12 May 2025 10:41

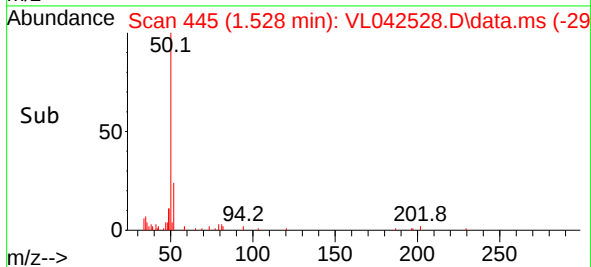
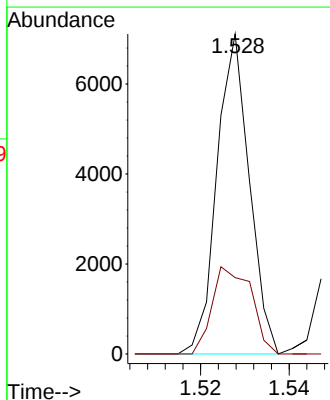
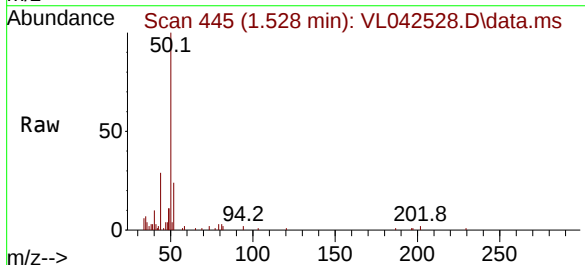
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

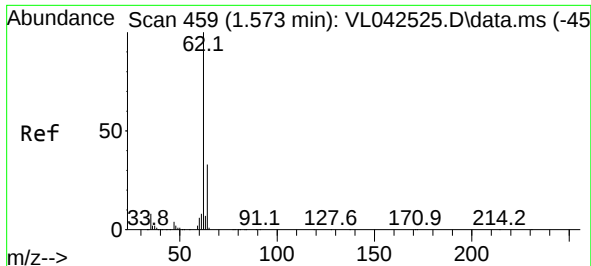
Tgt Ion: 51 Resp: 8566
Ion Ratio Lower Upper
51 100
67 23.9 17.4 26.0



#4
Chloromethane
Concen: 0.526 ppbv
RT: 1.528 min Scan# 445
Delta R.T. -0.000 min
Lab File: VL042528.D
Acq: 12 May 2025 10:41

Tgt Ion: 50 Resp: 3614
Ion Ratio Lower Upper
50 100
52 23.9 25.9 38.9#

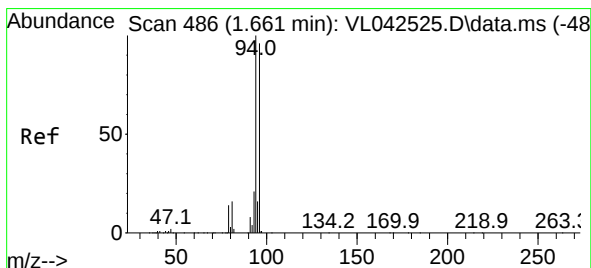
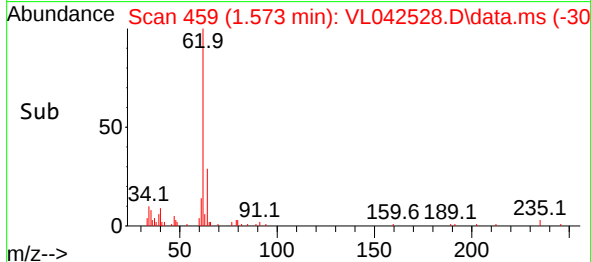
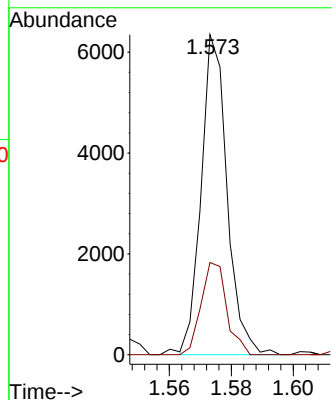
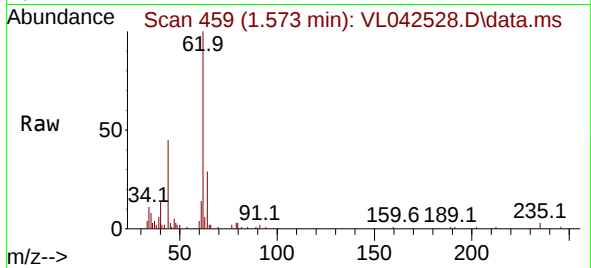




#5
 Vinyl Chloride
 Concen: 0.522 ppbv
 RT: 1.573 min Scan# 459
 Delta R.T. -0.000 min
 Lab File: VL042528.D
 Acq: 12 May 2025 10:41

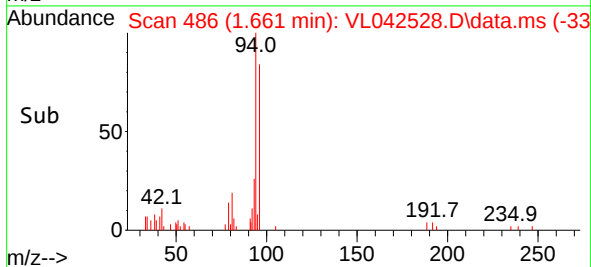
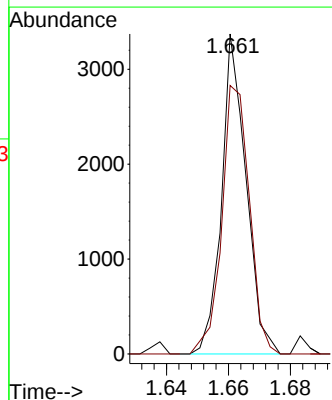
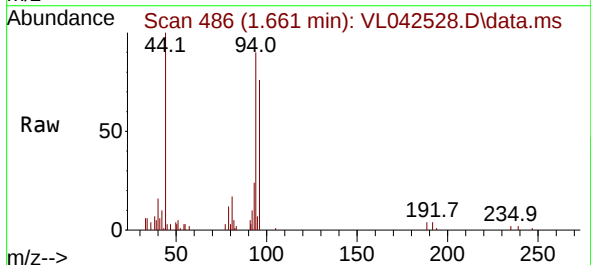
Instrument :
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 ClientSampleId :
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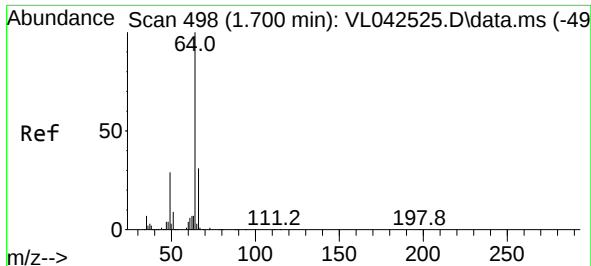
Tgt Ion: 62 Resp: 3669
 Ion Ratio Lower Upper
 62 100
 64 27.1 26.5 39.7



#6
 Bromomethane
 Concen: 0.555 ppbv
 RT: 1.661 min Scan# 486
 Delta R.T. -0.000 min
 Lab File: VL042528.D
 Acq: 12 May 2025 10:41

Tgt Ion: 94 Resp: 1851
 Ion Ratio Lower Upper
 94 100
 96 83.9 76.9 115.3

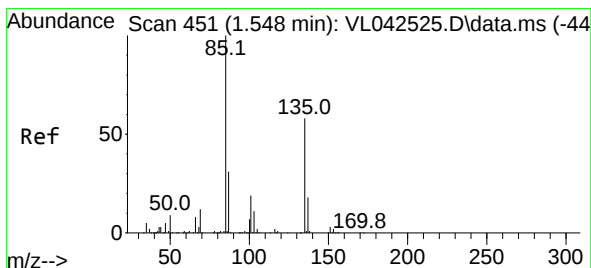
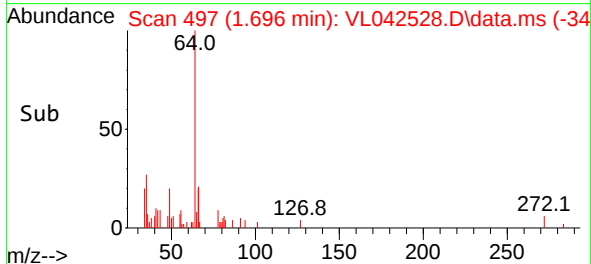
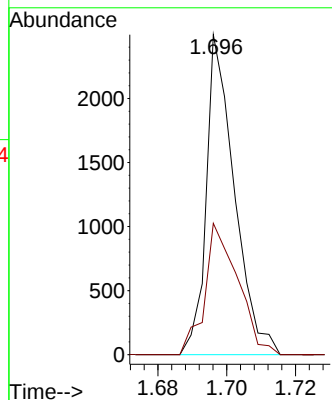
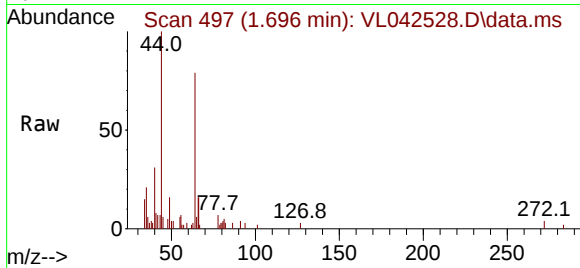




#7
Chloroethane
Concen: 0.513 ppbv
RT: 1.696 min Scan# 498
Delta R.T. -0.004 min
Lab File: VL042528.D
Acq: 12 May 2025 10:41

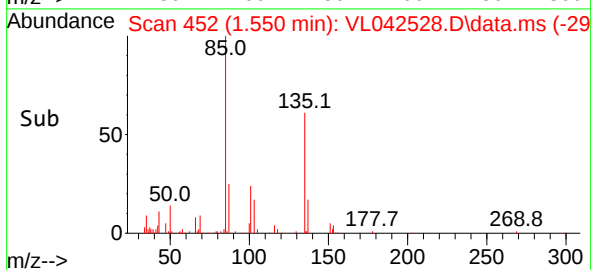
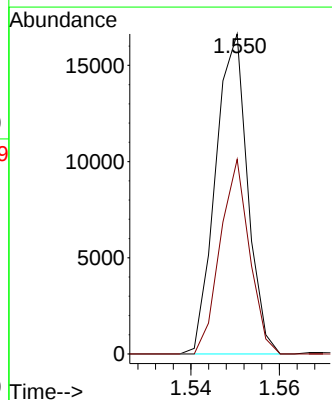
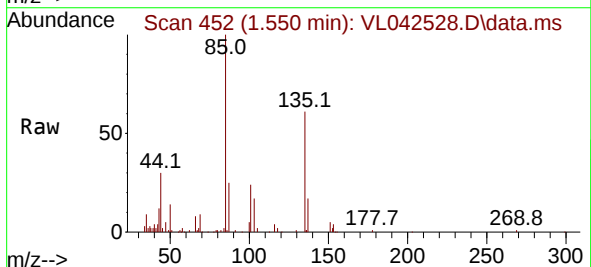
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ClientSampleId :
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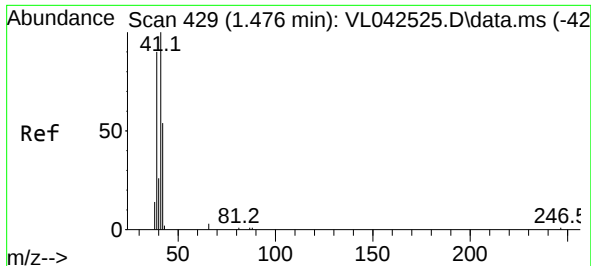
Tgt Ion: 64 Resp: 1420
Ion Ratio Lower Upper
64 100
66 43.6 25.1 37.7#



#8
Dichlorotetrafluoroethane
Concen: 0.579 ppbv
RT: 1.550 min Scan# 452
Delta R.T. 0.003 min
Lab File: VL042528.D
Acq: 12 May 2025 10:41

Tgt Ion: 85 Resp: 8379
Ion Ratio Lower Upper
85 100
135 55.5 51.8 77.8





#9

Propene

Concen: 0.711 ppbv

RT: 1.479 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL042528.D

Acq: 12 May 2025 10:41

Instrument :

MSVOA_L

ClientSampleId :

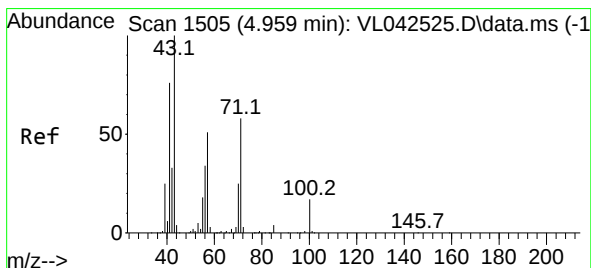
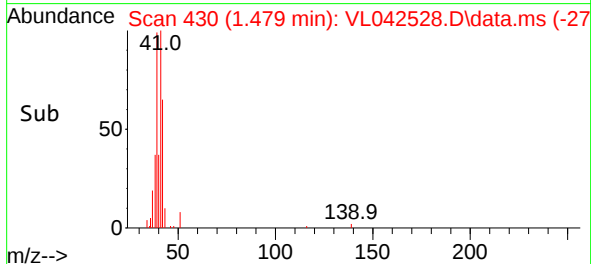
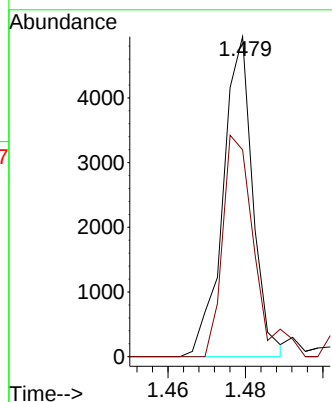
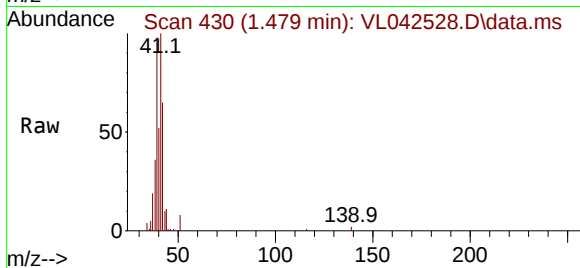
VSTDIC0.5

Tgt Ion: 41 Resp: 2647

Ion Ratio Lower Upper

41 100

42 88.5 4.1 6.1#



#10

Heptane

Concen: 0.144 ppbv

RT: 4.955 min Scan# 1504

Delta R.T. -0.004 min

Lab File: VL042528.D

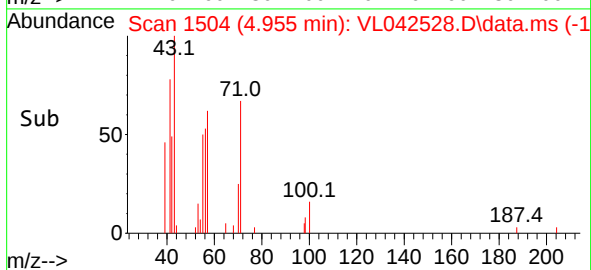
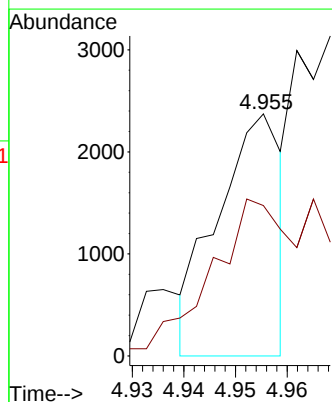
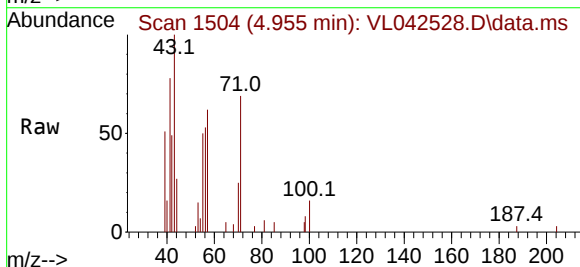
Acq: 12 May 2025 10:41

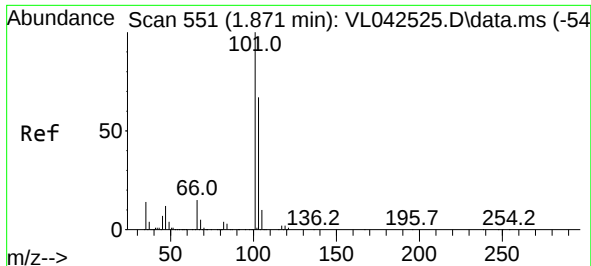
Tgt Ion: 43 Resp: 2051

Ion Ratio Lower Upper

43 100

57 146.7 42.1 63.1#

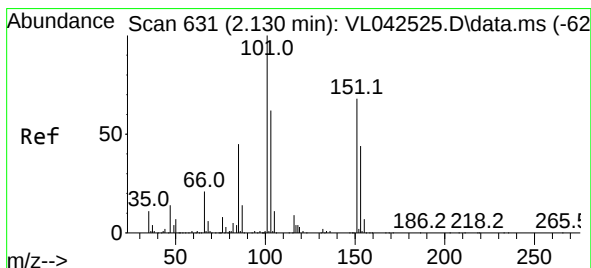
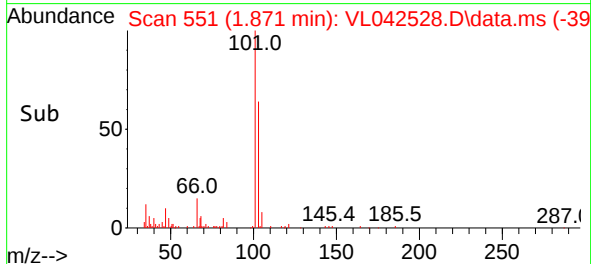
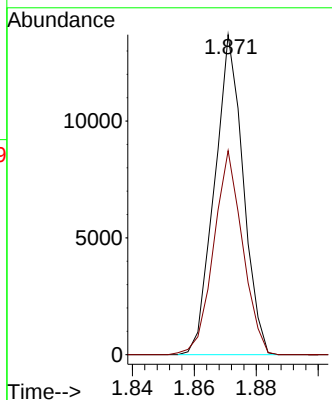
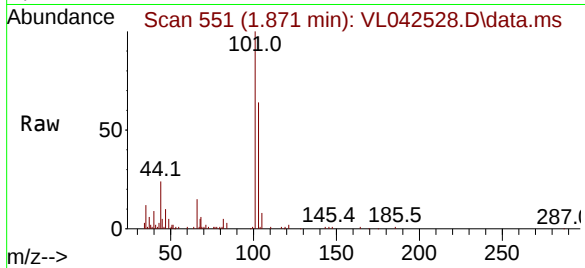




#11
Trichlorofluoromethane
Concen: 0.543 ppbv
RT: 1.871 min Scan# 551
Delta R.T. -0.000 min
Lab File: VL042528.D
Acq: 12 May 2025 10:41

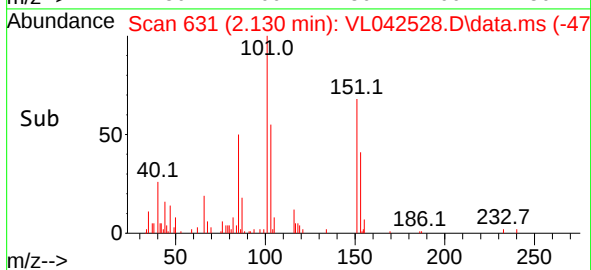
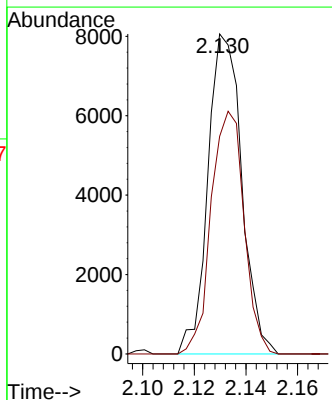
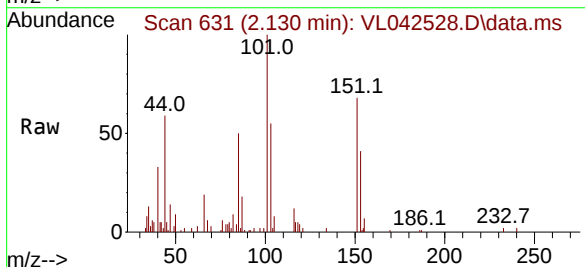
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MSVOA_L
ClientSampleId :
VSTDIC0.5

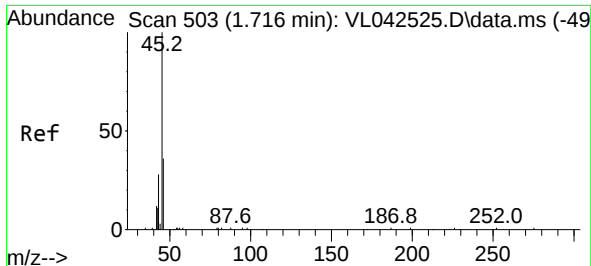
Tgt Ion:101 Resp: 8790
Ion Ratio Lower Upper
101 100
103 63.8 53.8 80.6



#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.564 ppbv
RT: 2.130 min Scan# 631
Delta R.T. -0.000 min
Lab File: VL042528.D
Acq: 12 May 2025 10:41

Tgt Ion:101 Resp: 7332
Ion Ratio Lower Upper
101 100
151 73.7 57.8 86.8

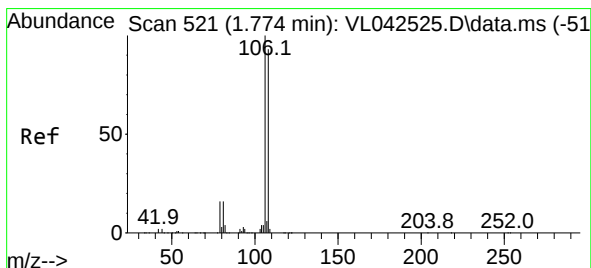
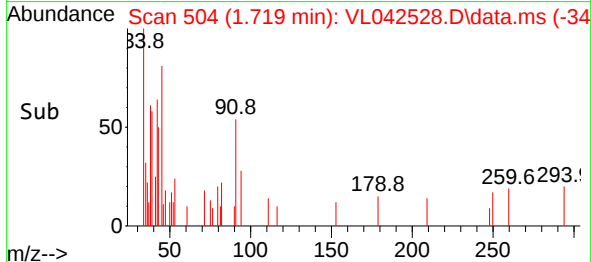
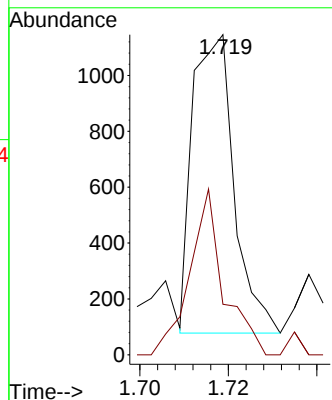
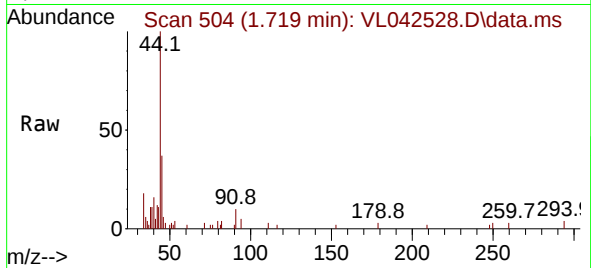




#13
 Ethanol
 Concen: 0.684 ppbv
 RT: 1.719 min Scan# 503
 Delta R.T. 0.003 min
 Lab File: VL042528.D
 Acq: 12 May 2025 10:41

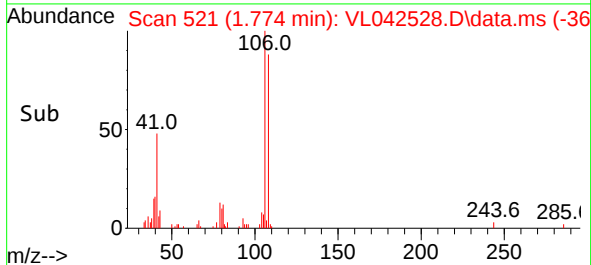
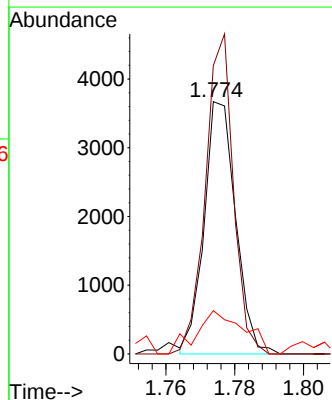
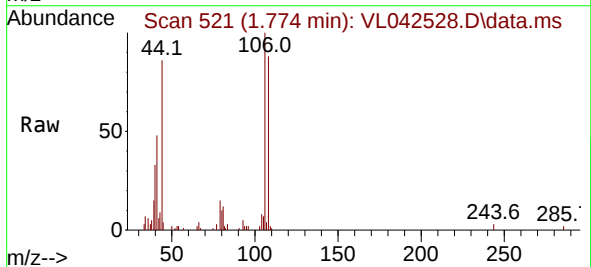
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.5

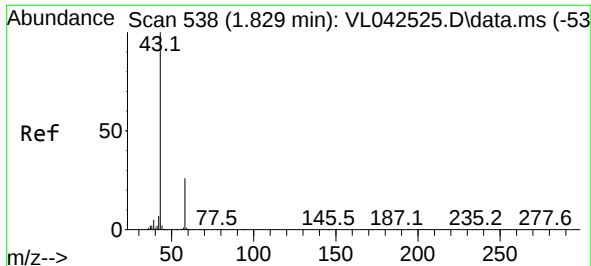
Tgt Ion: 45 Resp: 696
 Ion Ratio Lower Upper
 45 100
 46 56.3 14.8 59.4



#14
 Bromoethene
 Concen: 0.494 ppbv
 RT: 1.774 min Scan# 521
 Delta R.T. -0.000 min
 Lab File: VL042528.D
 Acq: 12 May 2025 10:41

Tgt Ion: 108 Resp: 2341
 Ion Ratio Lower Upper
 108 100
 106 112.1 87.4 131.2
 79 37.6 15.1 22.7#

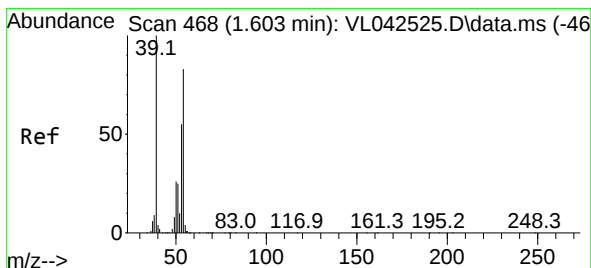
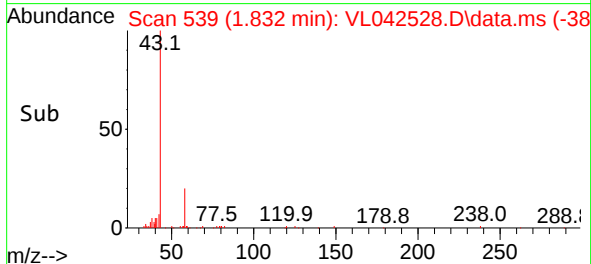
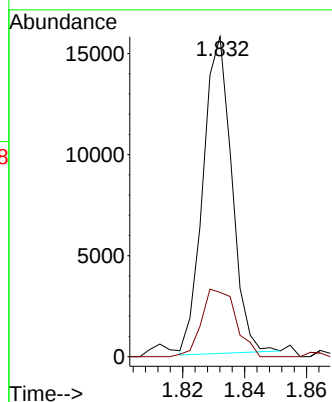
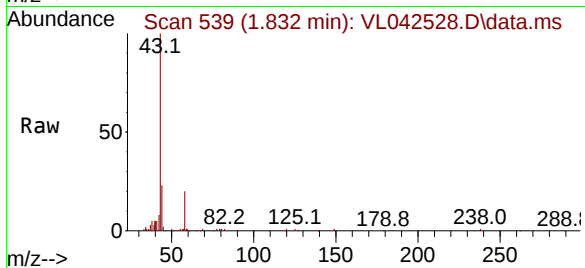




#15
Acetone
Concen: 0.609 ppbv
RT: 1.832 min Scan# 51
Delta R.T. 0.003 min
Lab File: VL042528.D
Acq: 12 May 2025 10:41

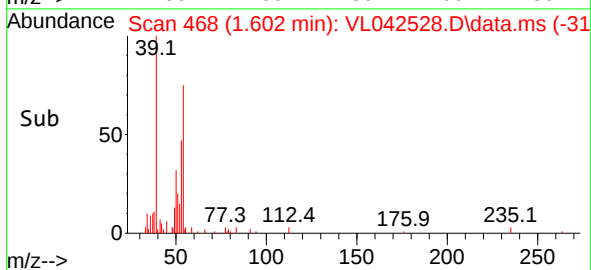
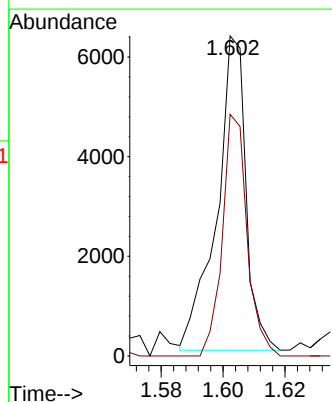
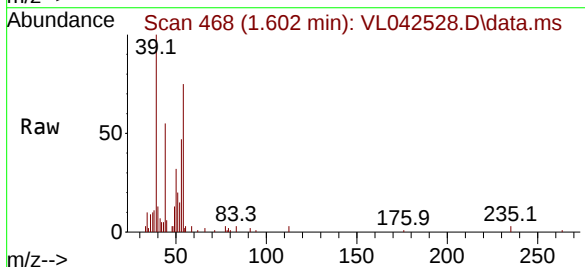
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

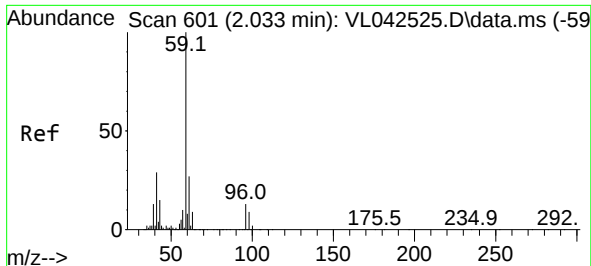
Tgt Ion: 43 Resp: 10090
Ion Ratio Lower Upper
43 100
58 25.8 21.3 31.9



#16
1,3-Butadiene
Concen: 0.555 ppbv
RT: 1.602 min Scan# 468
Delta R.T. -0.000 min
Lab File: VL042528.D
Acq: 12 May 2025 10:41

Tgt Ion: 39 Resp: 4136
Ion Ratio Lower Upper
39 100
54 65.5 57.8 86.6





#17

tert-Butyl alcohol

Concen: 0.532 ppbv

RT: 2.036 min Scan# 601

Delta R.T. 0.003 min

Lab File: VL042528.D

Acq: 12 May 2025 10:41

Instrument :

MSVOA_1

ClientSampleId :

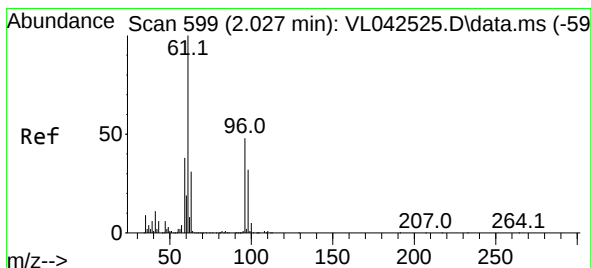
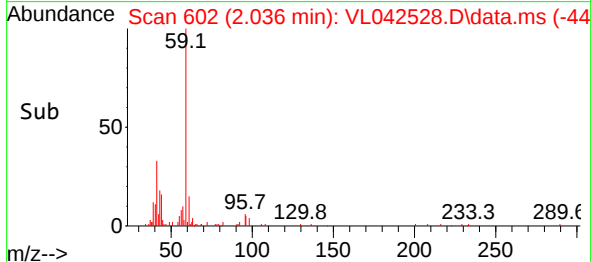
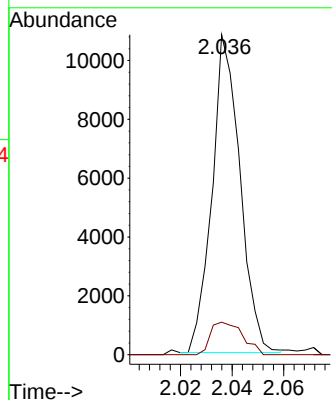
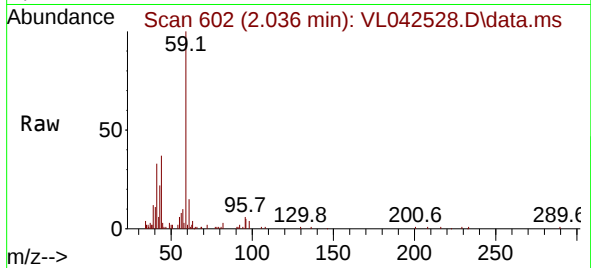
VSTDIC0.5

Tgt Ion: 59 Resp: 8145

Ion Ratio Lower Upper

59 100

57 11.8 8.2 12.4



#18

1,1-Dichloroethene

Concen: 0.634 ppbv

RT: 2.334 min Scan# 694

Delta R.T. 0.307 min

Lab File: VL042528.D

Acq: 12 May 2025 10:41

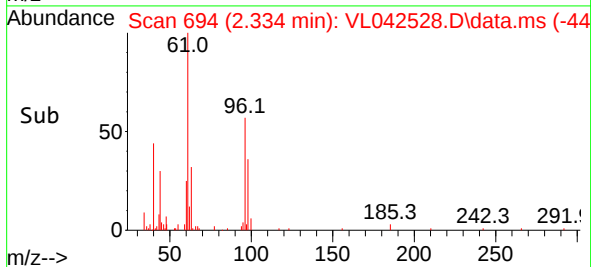
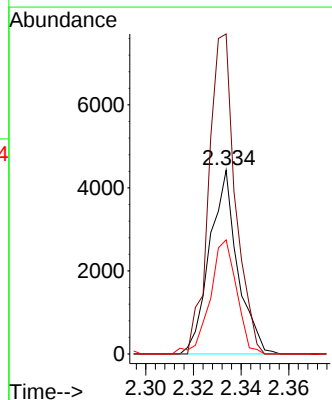
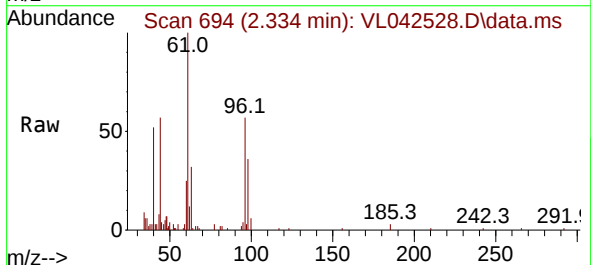
Tgt Ion: 96 Resp: 3615

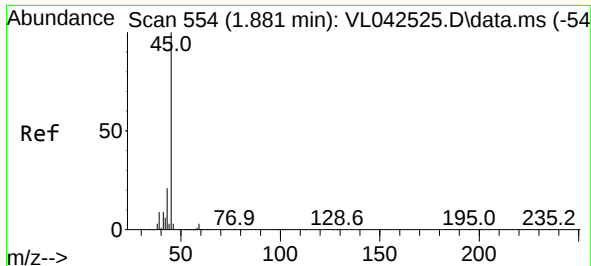
Ion Ratio Lower Upper

96 100

61 174.1 165.0 247.4

98 62.1 52.6 79.0

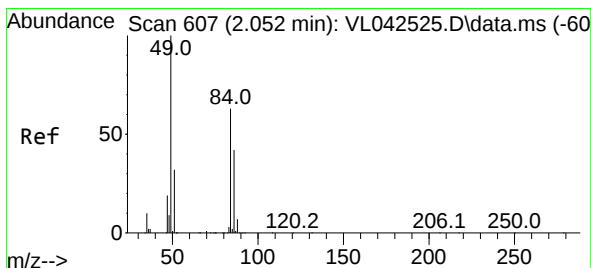
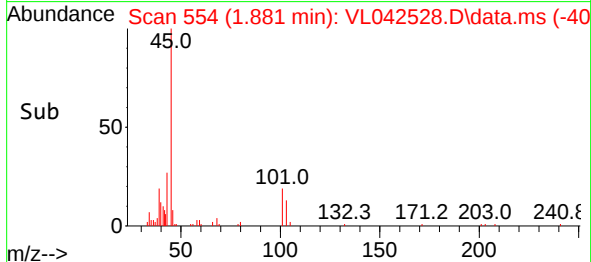
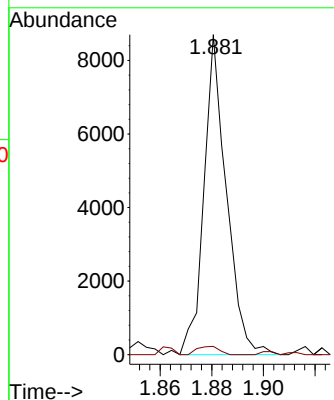
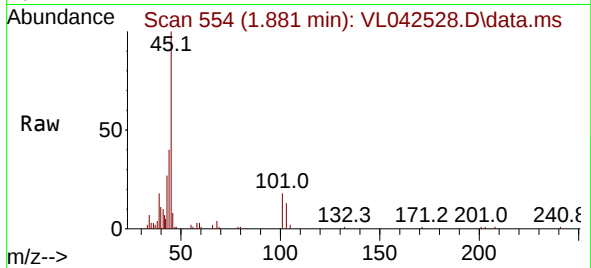




#19
Isopropyl Alcohol
Concen: 0.584 ppbv
RT: 1.881 min Scan# 51
Delta R.T. -0.000 min
Lab File: VL042528.D
Acq: 12 May 2025 10:41

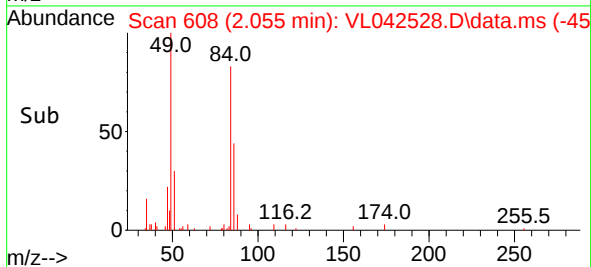
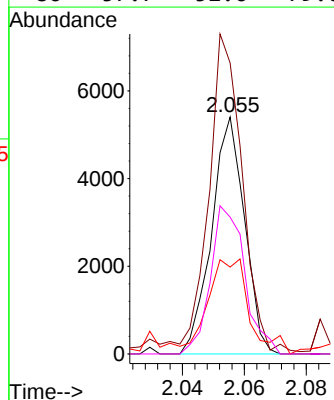
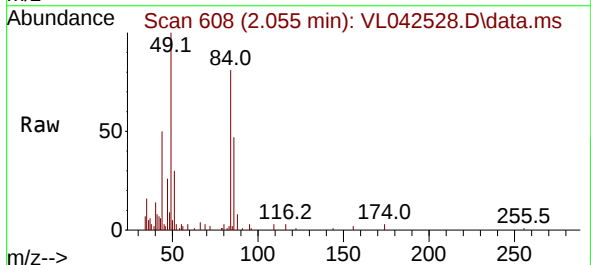
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

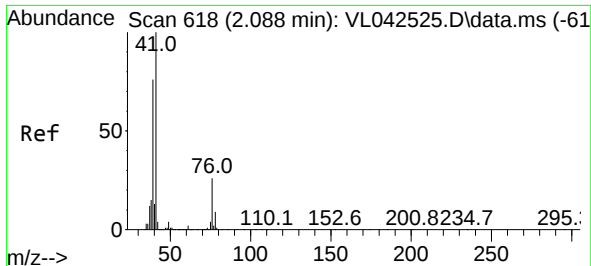
Tgt Ion: 45 Resp: 5254
Ion Ratio Lower Upper
45 100
58 2.6 1.5 2.3#



#20
Methylene Chloride
Concen: 0.691 ppbv
RT: 2.055 min Scan# 608
Delta R.T. 0.003 min
Lab File: VL042528.D
Acq: 12 May 2025 10:41

Tgt Ion: 84 Resp: 3987
Ion Ratio Lower Upper
84 100
49 118.7 128.2 192.4#
51 33.4 41.7 62.5#
86 57.7 52.6 79.0

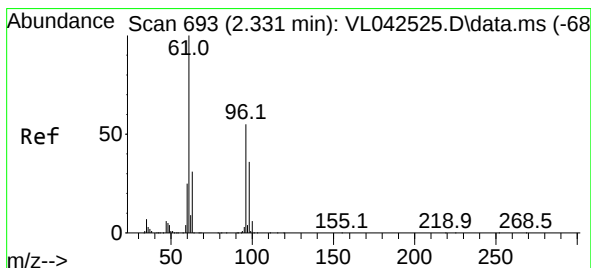
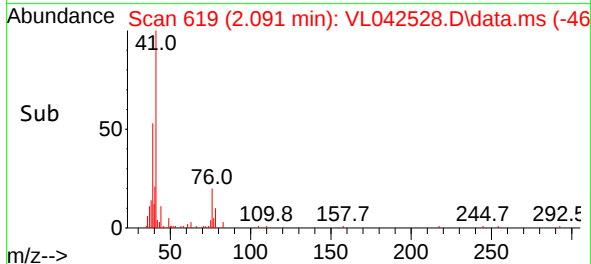
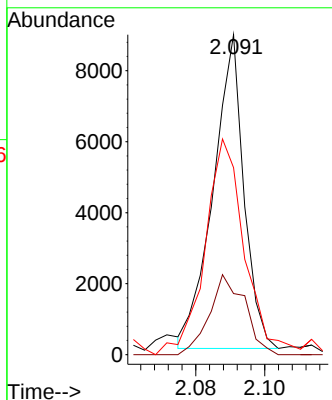
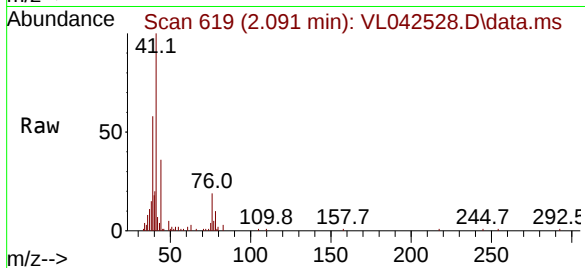




#21
 Allyl Chloride
 Concen: 0.500 ppbv
 RT: 2.091 min Scan# 618
 Delta R.T. 0.003 min
 Lab File: VL042528.D
 Acq: 12 May 2025 10:41

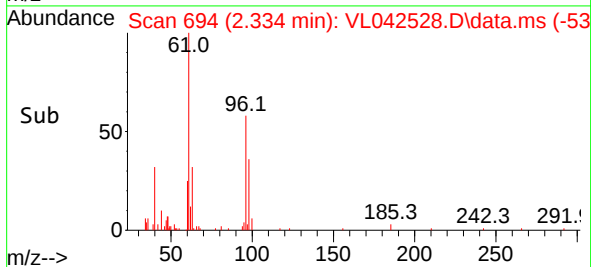
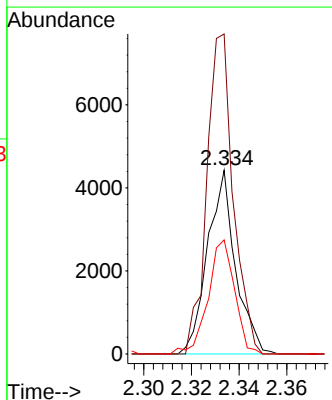
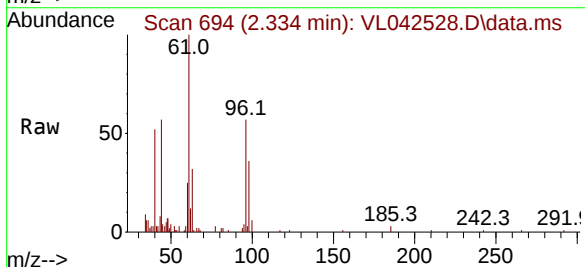
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

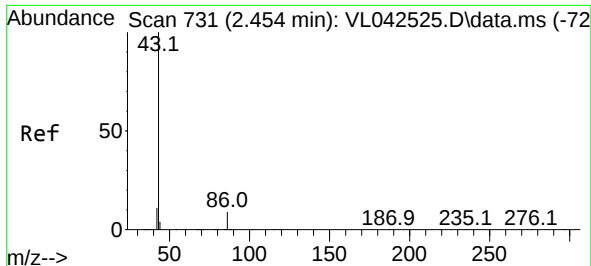
Tgt Ion: 41 Resp: 5485
 Ion Ratio Lower Upper
 41 100
 76 29.4 22.0 33.0
 39 91.8 59.5 89.3#



#22
 trans-1,2-Dichloroethene
 Concen: 0.542 ppbv
 RT: 2.334 min Scan# 694
 Delta R.T. 0.003 min
 Lab File: VL042528.D
 Acq: 12 May 2025 10:41

Tgt Ion: 96 Resp: 3615
 Ion Ratio Lower Upper
 96 100
 61 174.1 145.9 218.9
 98 62.1 52.2 78.4

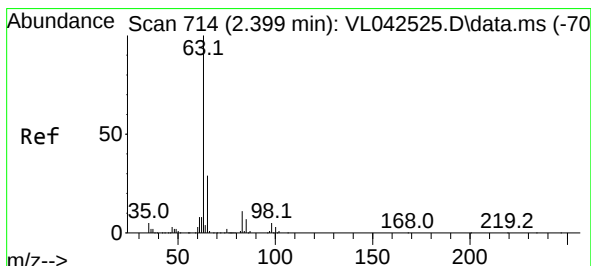
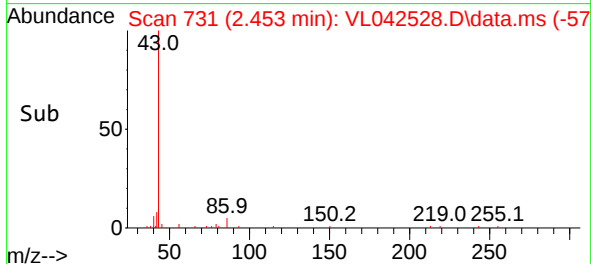
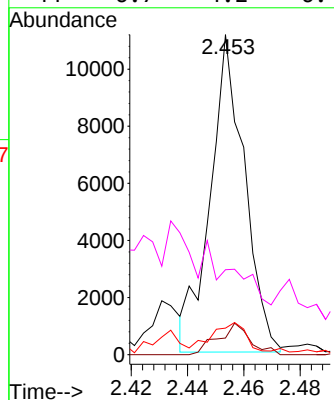
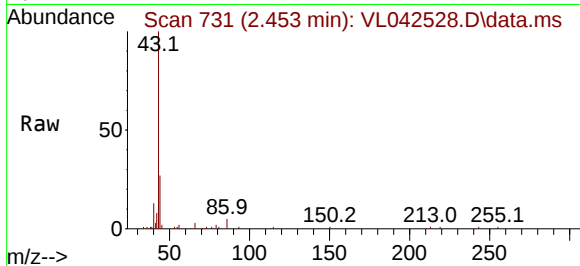




#23
 Vinyl Acetate
 Concen: 0.540 ppbv
 RT: 2.453 min Scan# 715
 Delta R.T. -0.000 min
 Lab File: VL042528.D
 Acq: 12 May 2025 10:41

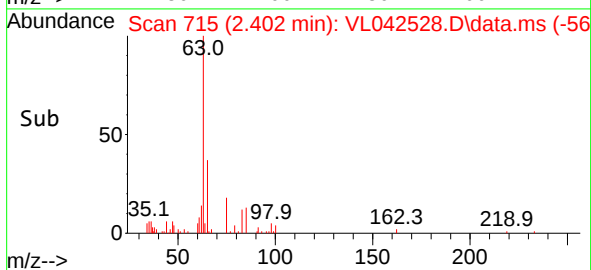
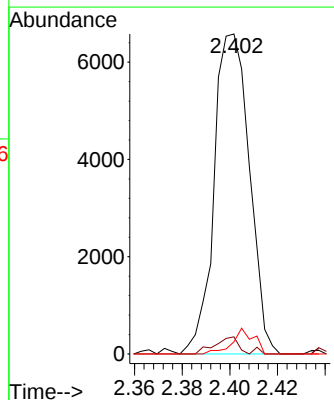
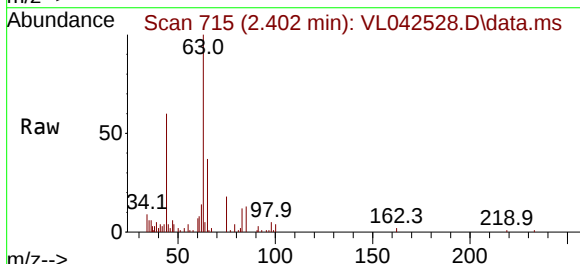
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.5

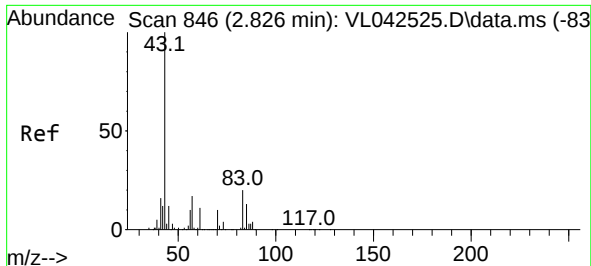
Tgt Ion:	43	Resp:	9366
Ion	Ratio	Lower	Upper
43	100		
86	5.3	6.8	10.2#
42	6.5	8.8	13.2#
44	6.7	4.2	6.4#



#24
 1,1-Dichloroethane
 Concen: 0.525 ppbv
 RT: 2.402 min Scan# 715
 Delta R.T. 0.003 min
 Lab File: VL042528.D
 Acq: 12 May 2025 10:41

Tgt Ion:	63	Resp:	6774
Ion	Ratio	Lower	Upper
63	100		
98	5.1	2.6	8.0
100	3.6	1.4	4.2

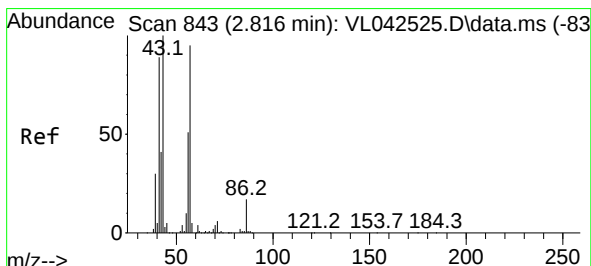
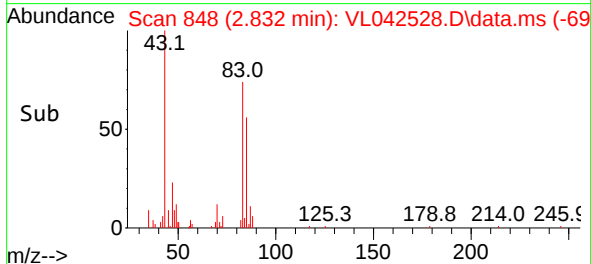
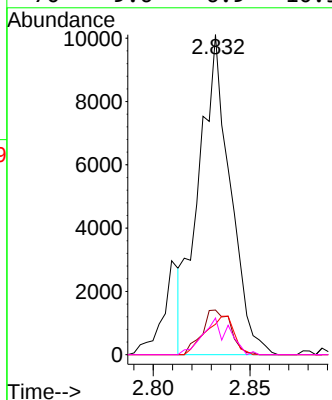
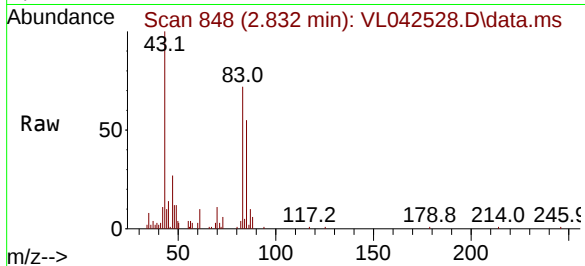




#25
Ethyl Acetate
Concen: 0.394 ppbv
RT: 2.832 min Scan# 846
Delta R.T. 0.006 min
Lab File: VL042528.D
Acq: 12 May 2025 10:41

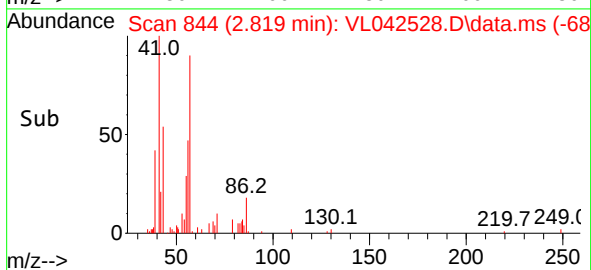
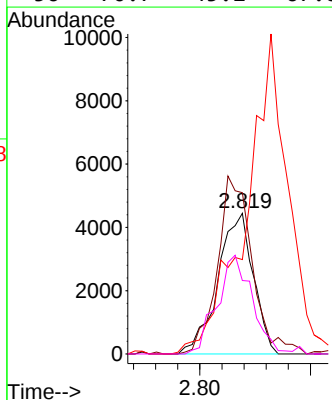
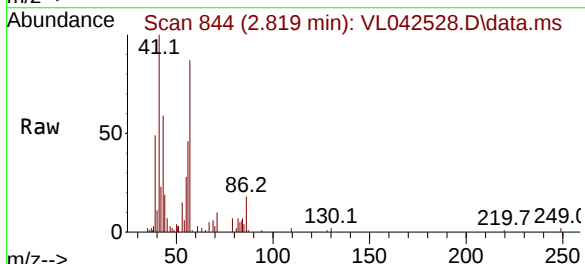
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

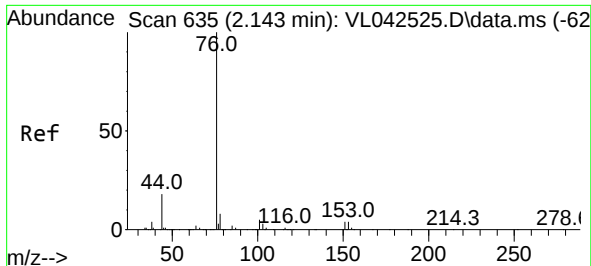
Tgt Ion: 43	Resp: 11446
Ion Ratio	Lower Upper
43 100	
45 12.8	7.9 11.9#
61 10.9	7.1 10.7#
70 9.6	6.9 10.3



#26
Hexane
Concen: 0.414 ppbv
RT: 2.819 min Scan# 844
Delta R.T. 0.003 min
Lab File: VL042528.D
Acq: 12 May 2025 10:41

Tgt Ion: 57	Resp: 4939
Ion Ratio	Lower Upper
57 100	
41 124.6	76.1 114.1#
43 268.5	188.9 283.3
56 70.7	45.2 67.8#

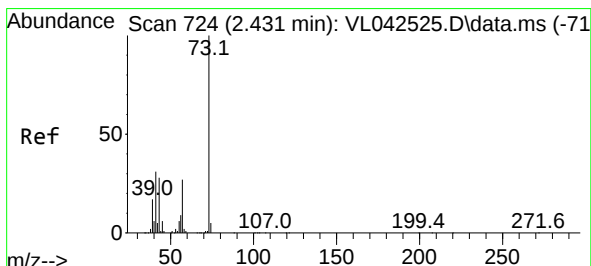
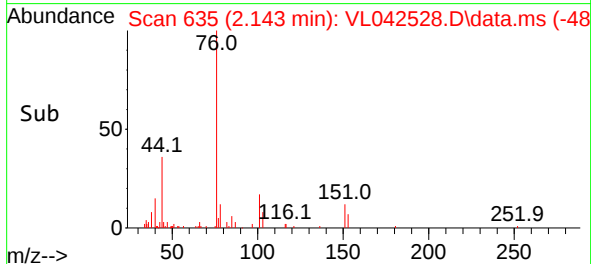
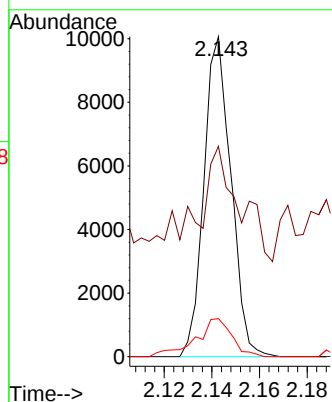
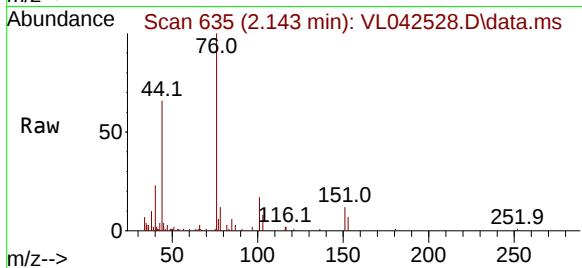




#27
Carbon Disulfide
Concen: 0.516 ppbv
RT: 2.143 min Scan# 611
Delta R.T. -0.000 min
Lab File: VL042528.D
Acq: 12 May 2025 10:41

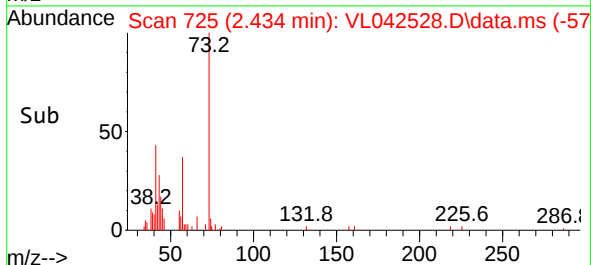
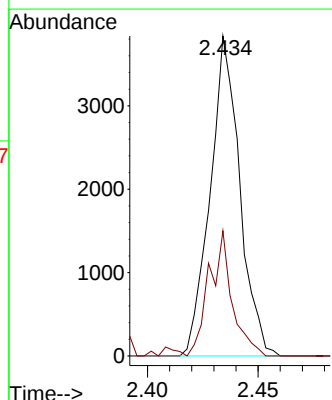
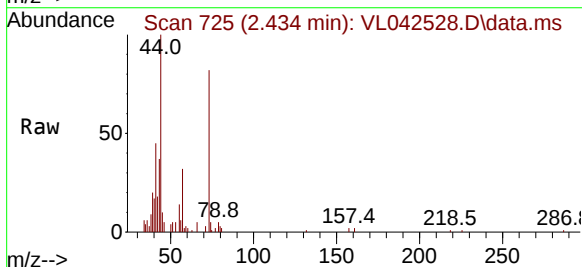
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

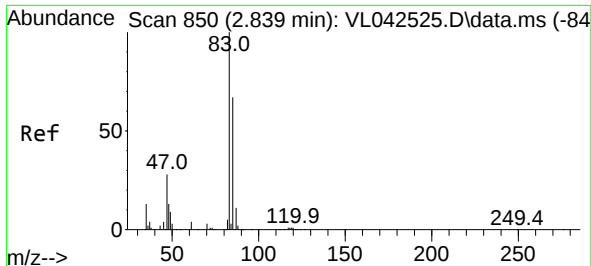
Tgt Ion: 76 Resp: 7953
Ion Ratio Lower Upper
76 100
44 130.4 17.1 25.7#
78 15.9 8.6 12.8#



#28
Methyl tert-Butyl Ether
Concen: 0.539 ppbv
RT: 2.434 min Scan# 725
Delta R.T. 0.003 min
Lab File: VL042528.D
Acq: 12 May 2025 10:41

Tgt Ion: 73 Resp: 3573
Ion Ratio Lower Upper
73 100
57 31.9 20.3 30.5#





#29

Chloroform

Concen: 0.536 ppbv

RT: 2.842 min Scan# 81

Delta R.T. 0.003 min

Lab File: VL042528.D

Acq: 12 May 2025 10:41

Instrument :

MSVOA_L

ClientSampleId :

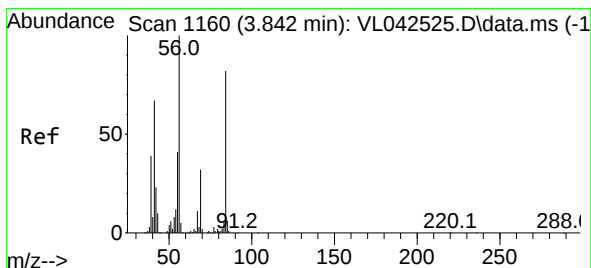
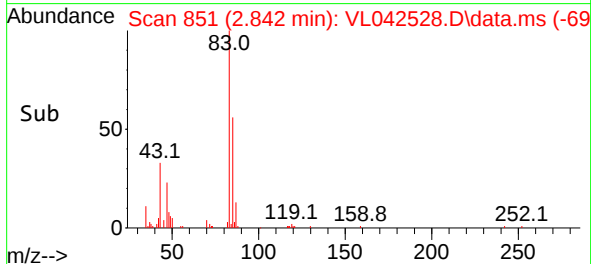
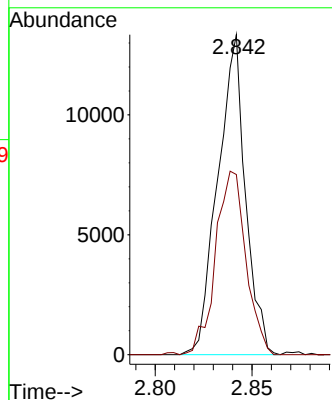
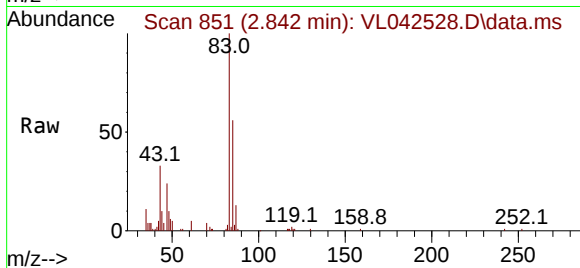
VSTDIC0.5

Tgt Ion: 83 Resp: 13265

Ion Ratio Lower Upper

83 100

85 56.3 53.5 80.3



#30

Cyclohexane

Concen: 0.140 ppbv

RT: 3.845 min Scan# 1161

Delta R.T. 0.003 min

Lab File: VL042528.D

Acq: 12 May 2025 10:41

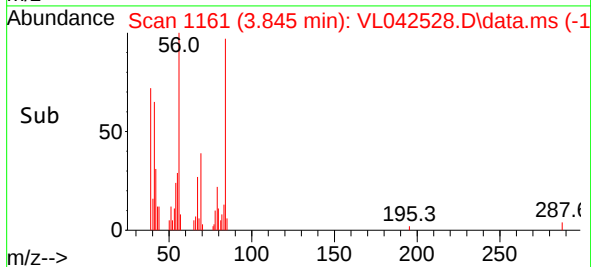
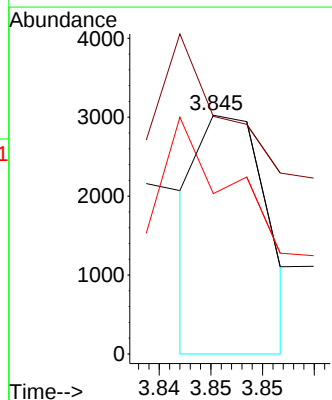
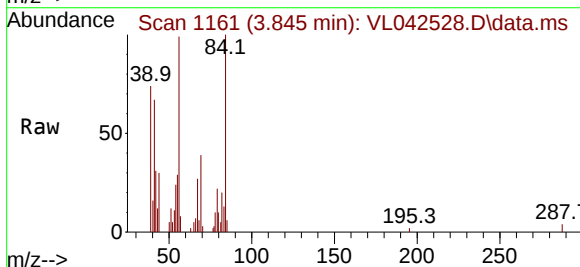
Tgt Ion: 84 Resp: 1372

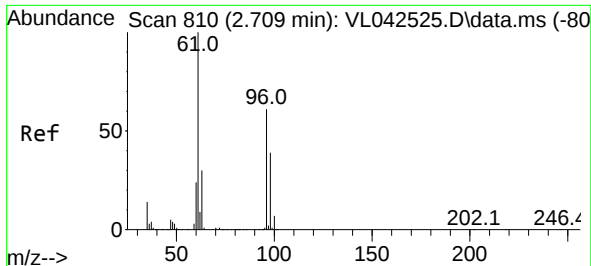
Ion Ratio Lower Upper

84 100

56 408.1 97.1 145.7#

41 283.7 66.6 99.8#

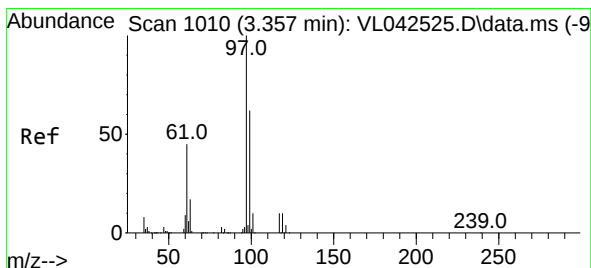
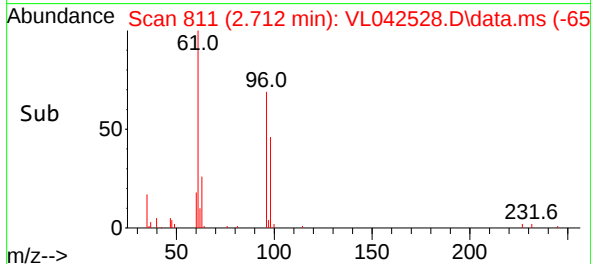
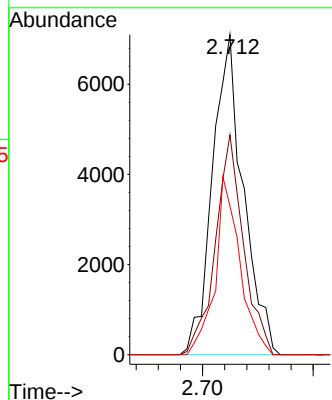
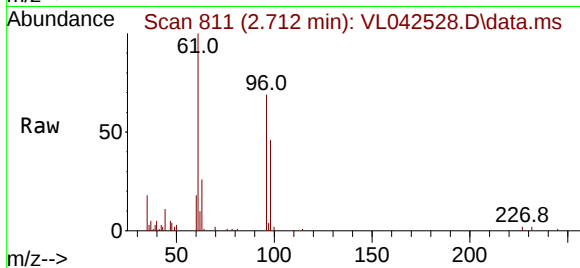




#31
 cis-1,2-Dichloroethene
 Concen: 0.511 ppbv
 RT: 2.712 min Scan# 81
 Delta R.T. 0.003 min
 Lab File: VL042528.D
 Acq: 12 May 2025 10:41

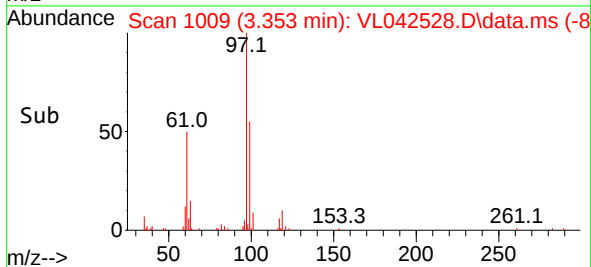
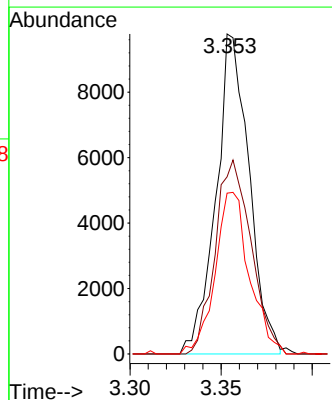
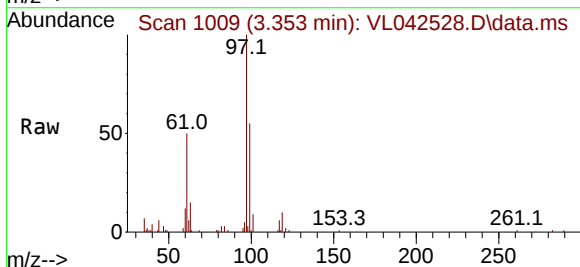
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

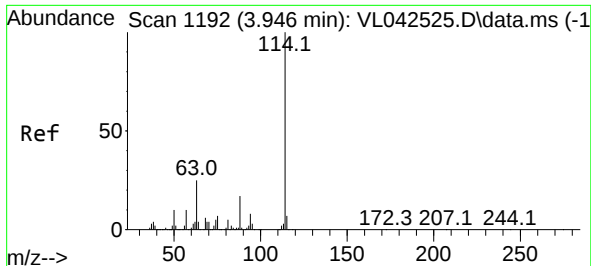
Tgt Ion: 61 Resp: 6890
 Ion Ratio Lower Upper
 61 100
 96 68.7 48.9 73.3
 98 46.5 31.4 47.2



#32
 1,1,1-Trichloroethane
 Concen: 0.495 ppbv
 RT: 3.353 min Scan# 1009
 Delta R.T. -0.004 min
 Lab File: VL042528.D
 Acq: 12 May 2025 10:41

Tgt Ion: 97 Resp: 12360
 Ion Ratio Lower Upper
 97 100
 99 65.9 50.1 75.1
 61 52.3 38.2 57.2





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.946 min Scan# 1192

Delta R.T. -0.000 min

Lab File: VL042528.D

Acq: 12 May 2025 10:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

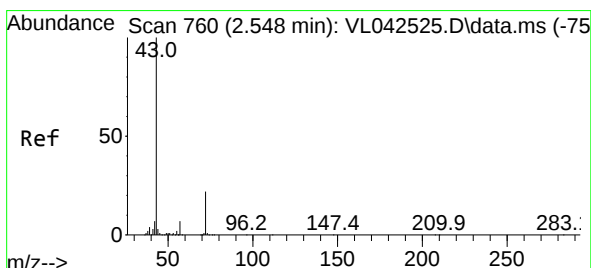
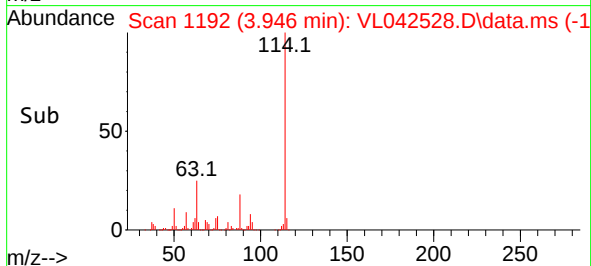
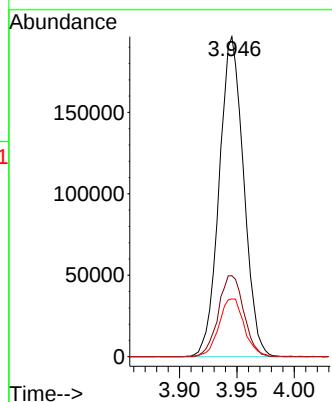
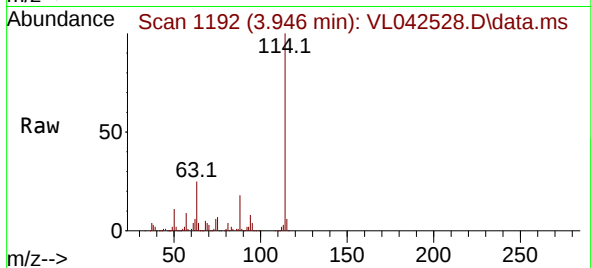
Tgt Ion:114 Resp: 291247

Ion Ratio Lower Upper

114 100

63 26.5 20.4 30.6

88 18.6 14.5 21.7



#34

2-Butanone

Concen: 0.521 ppbv

RT: 2.554 min Scan# 762

Delta R.T. 0.006 min

Lab File: VL042528.D

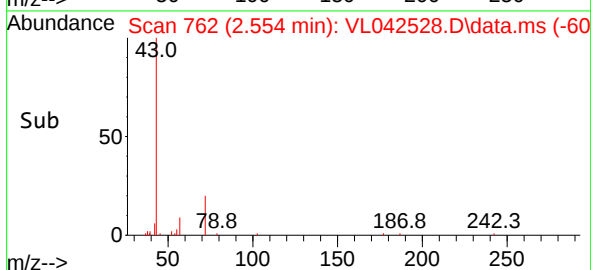
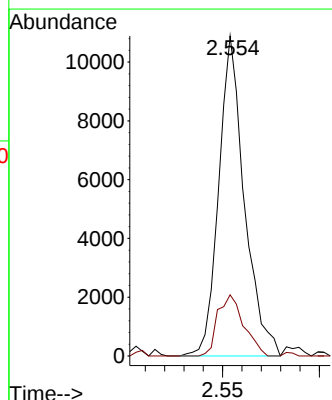
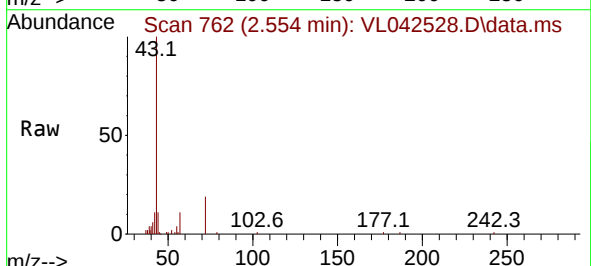
Acq: 12 May 2025 10:41

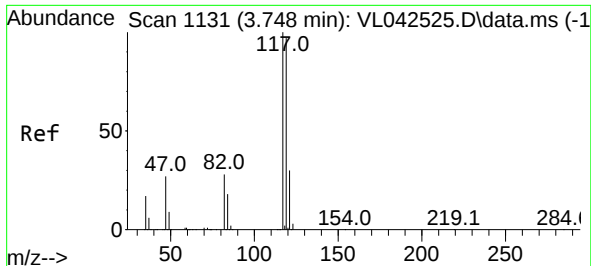
Tgt Ion: 43 Resp: 9997

Ion Ratio Lower Upper

43 100

72 19.9 18.7 28.1

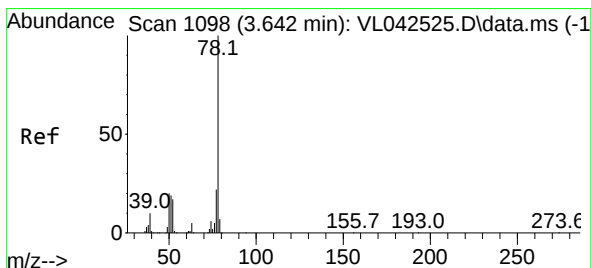
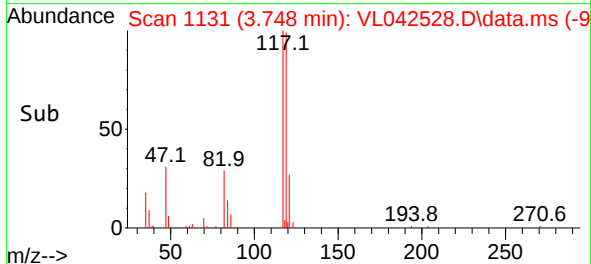
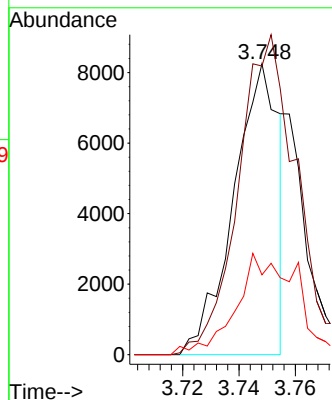
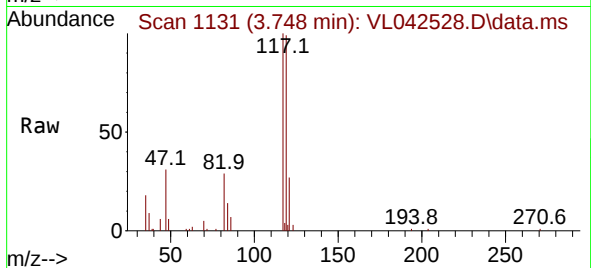




#35
Carbon Tetrachloride
Concen: 0.351 ppbv
RT: 3.748 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VL042528.D
Acq: 12 May 2025 10:41

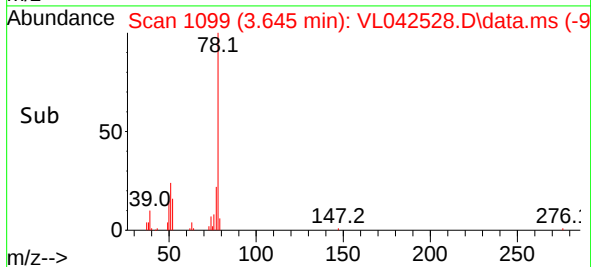
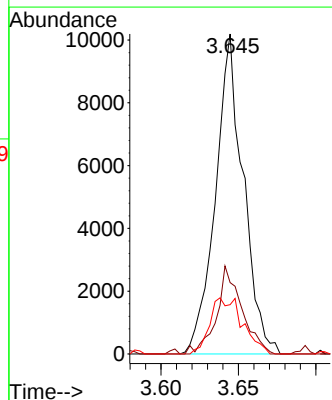
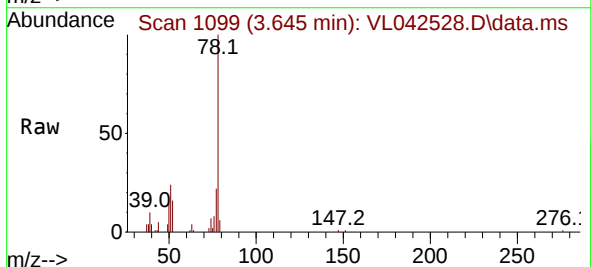
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

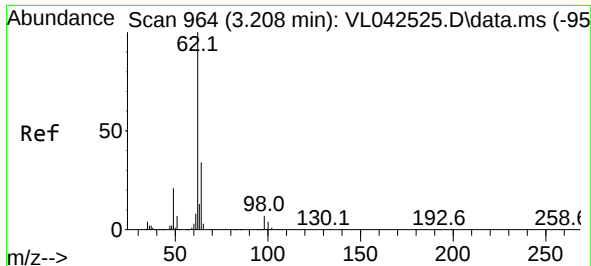
Tgt Ion:117 Resp: 9197
Ion Ratio Lower Upper
117 100
119 98.6 77.7 116.5
121 24.6 24.0 36.0



#36
Benzene
Concen: 0.493 ppbv
RT: 3.645 min Scan# 1099
Delta R.T. 0.003 min
Lab File: VL042528.D
Acq: 12 May 2025 10:41

Tgt Ion: 78 Resp: 12733
Ion Ratio Lower Upper
78 100
77 22.3 17.4 26.2
50 15.4 16.3 24.5#

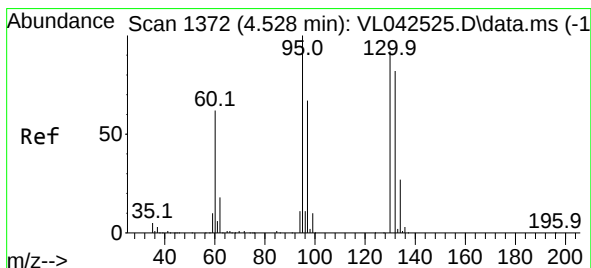
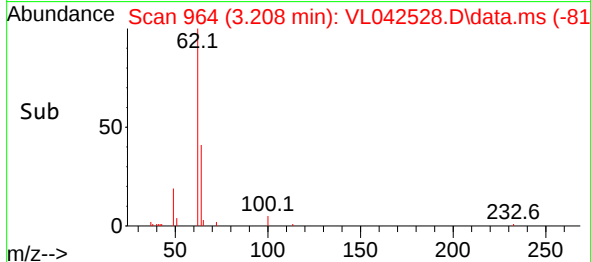
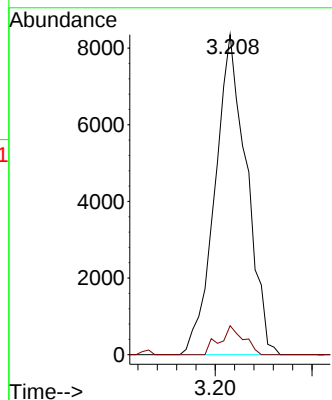
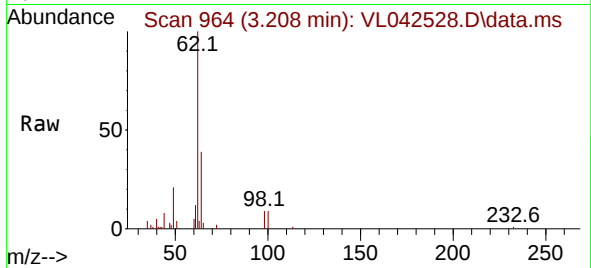




#37
1,2-Dichloroethane
Concen: 0.513 ppbv
RT: 3.208 min Scan# 91
Delta R.T. -0.000 min
Lab File: VL042528.D
Acq: 12 May 2025 10:41

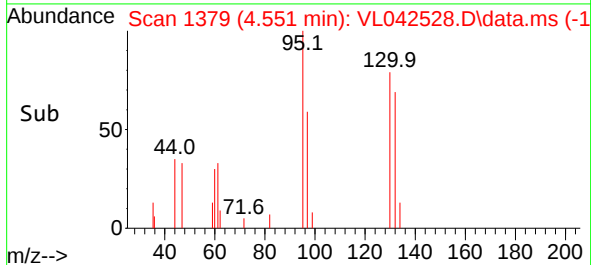
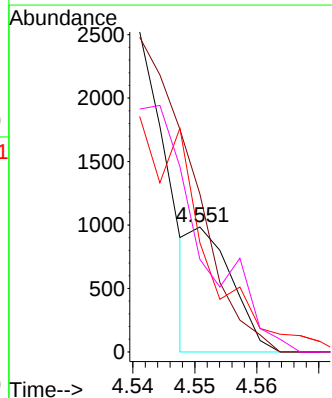
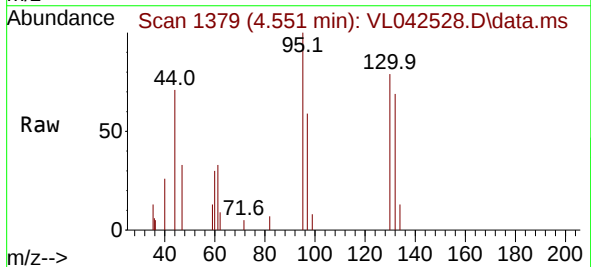
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

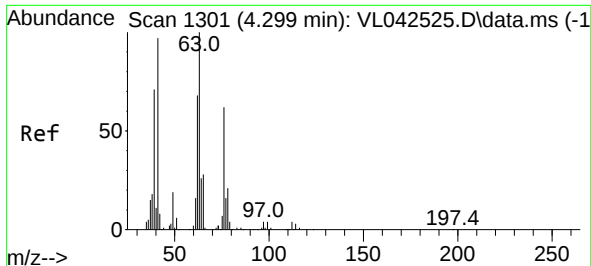
Tgt Ion: 62 Resp: 9449
Ion Ratio Lower Upper
62 100
98 6.8 5.0 7.4



#38
Trichloroethene
Concen: 0.041 ppbv
RT: 4.551 min Scan# 1379
Delta R.T. 0.022 min
Lab File: VL042528.D
Acq: 12 May 2025 10:41

Tgt Ion: 130 Resp: 449
Ion Ratio Lower Upper
130 100
95 126.5 87.0 130.4
132 73.3 71.1 106.7
97 63.9 58.4 87.6





#39

1,2-Dichloropropane

Concen: 0.276 ppbv

RT: 4.298 min Scan# 1301

Delta R.T. -0.000 min

Lab File: VL042528.D

Acq: 12 May 2025 10:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

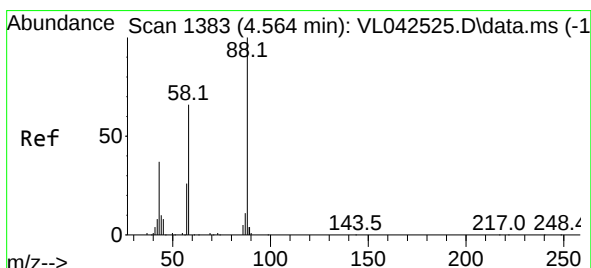
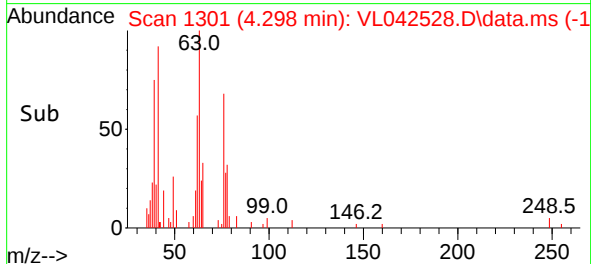
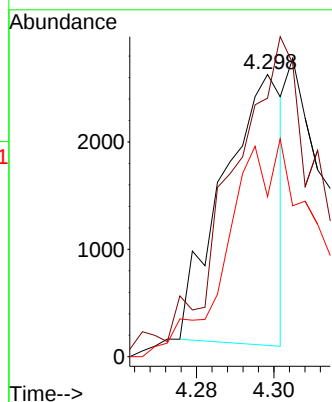
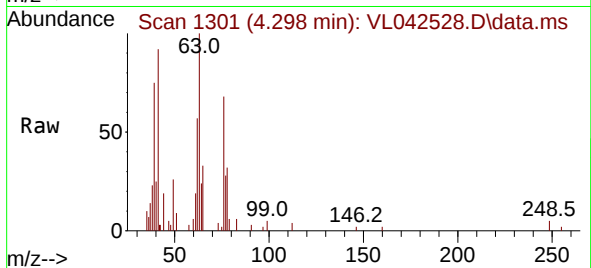
Tgt Ion: 63 Resp: 2654

Ion Ratio Lower Upper

63 100

41 79.0 77.5 116.3

62 48.8 54.6 82.0#



#40

1,4-Dioxane

Concen: 0.051 ppbv

RT: 4.577 min Scan# 1387

Delta R.T. 0.013 min

Lab File: VL042528.D

Acq: 12 May 2025 10:41

Tgt Ion: 88 Resp: 194

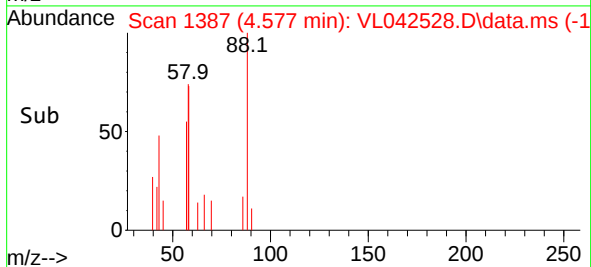
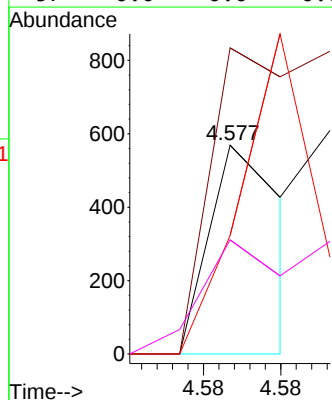
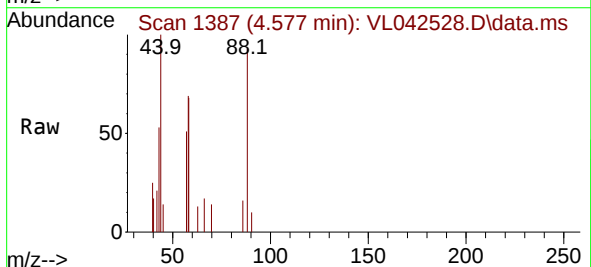
Ion Ratio Lower Upper

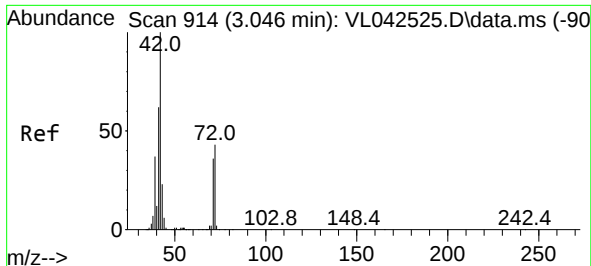
88 100

58 0.0 58.2 87.2#

43 0.0 27.9 41.9#

57 0.0 0.0 0.0

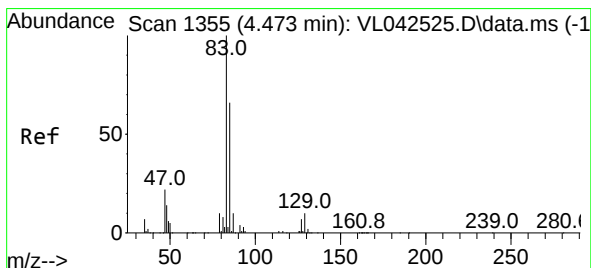
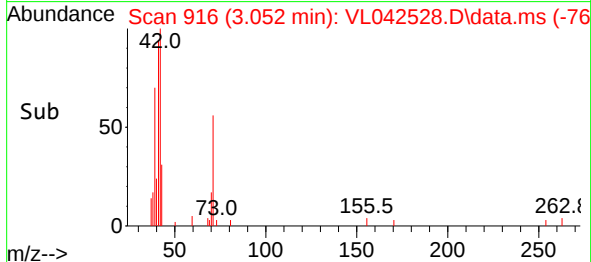
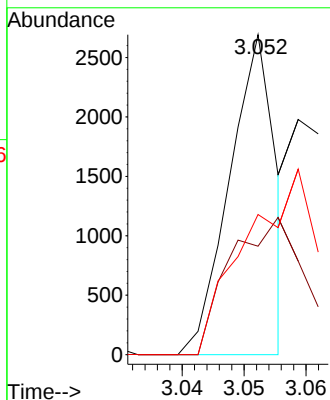
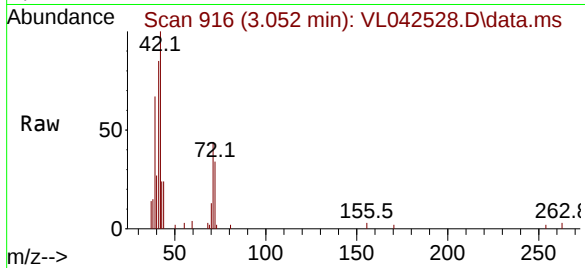




#41
Tetrahydrofuran
Concen: 0.170 ppbv
RT: 3.052 min Scan# 914
Delta R.T. 0.006 min
Lab File: VL042528.D
Acq: 12 May 2025 10:41

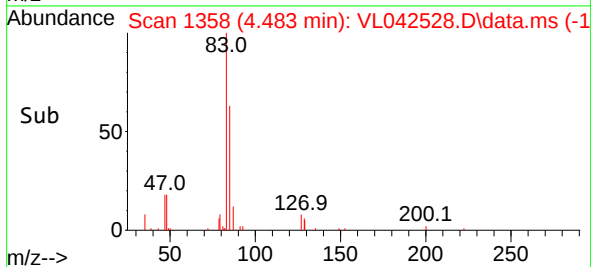
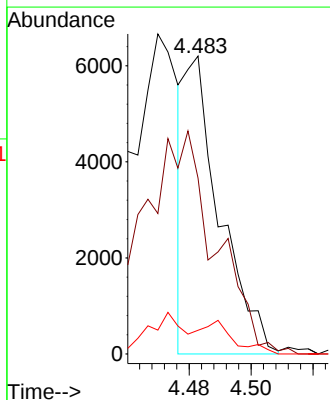
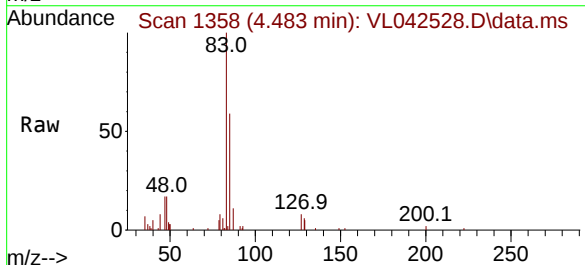
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

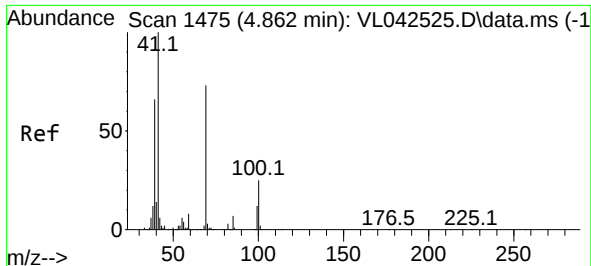
Tgt Ion: 42 Resp: 1405
Ion Ratio Lower Upper
42 100
72 88.2 32.7 49.1#
71 0.0 30.4 45.6#



#42
Bromodichloromethane
Concen: 0.200 ppbv
RT: 4.483 min Scan# 1358
Delta R.T. 0.009 min
Lab File: VL042528.D
Acq: 12 May 2025 10:41

Tgt Ion: 83 Resp: 4904
Ion Ratio Lower Upper
83 100
85 58.6 52.6 79.0
127 8.0 6.0 9.0

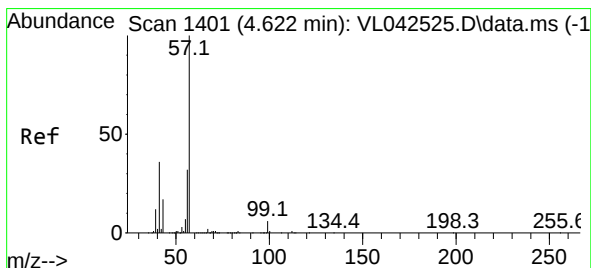
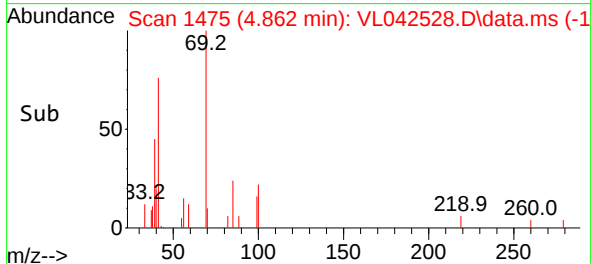
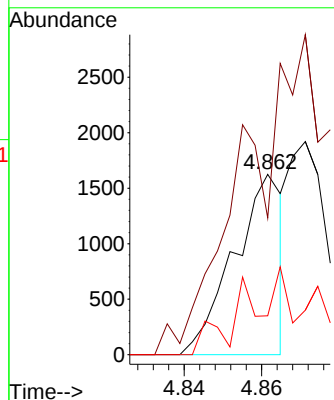
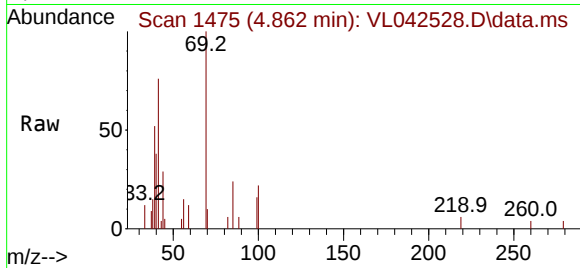




#43
Methyl Methacrylate
Concen: 0.163 ppbv
RT: 4.862 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VL042528.D
Acq: 12 May 2025 10:41

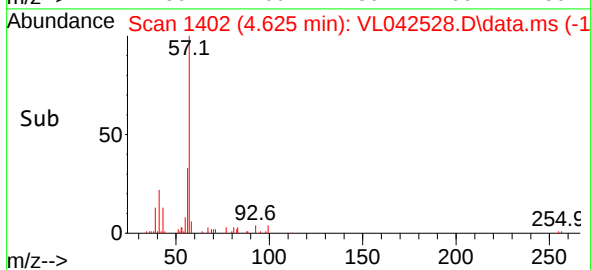
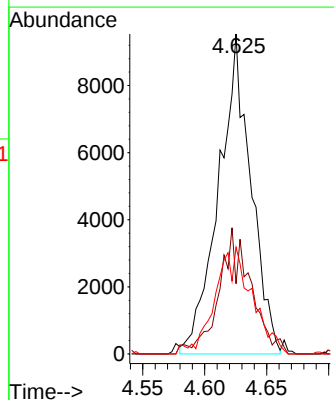
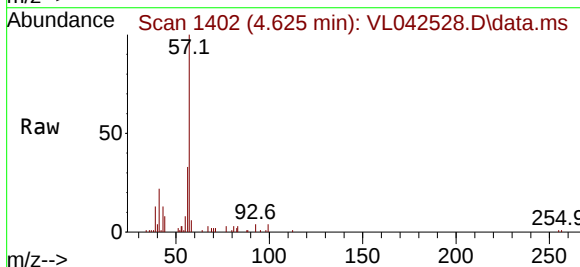
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

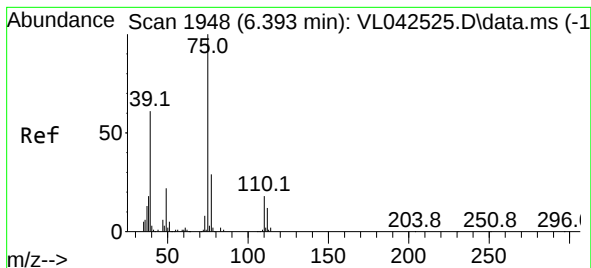
Tgt Ion: 69 Resp: 1408
Ion Ratio Lower Upper
69 100
41 0.0 119.9 179.9#
100 81.3 28.4 42.6#



#44
2,2,4-Trimethylpentane
Concen: 0.427 ppbv
RT: 4.625 min Scan# 1402
Delta R.T. 0.003 min
Lab File: VL042528.D
Acq: 12 May 2025 10:41

Tgt Ion: 57 Resp: 17301
Ion Ratio Lower Upper
57 100
41 38.6 28.3 42.5
56 38.3 25.9 38.9





#45

t-1,3-Dichloropropene

Concen: 0.181 ppbv

RT: 6.389 min Scan# 1947

Delta R.T. -0.004 min

Lab File: VL042528.D

Acq: 12 May 2025 10:41

Instrument :

MSVOA_1

ClientSampleId :

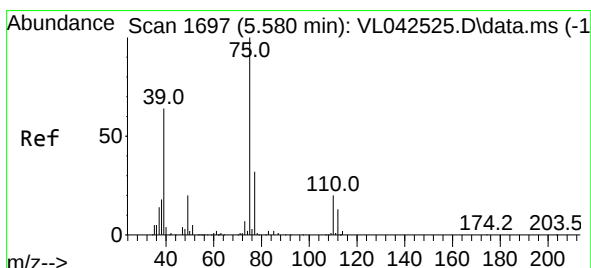
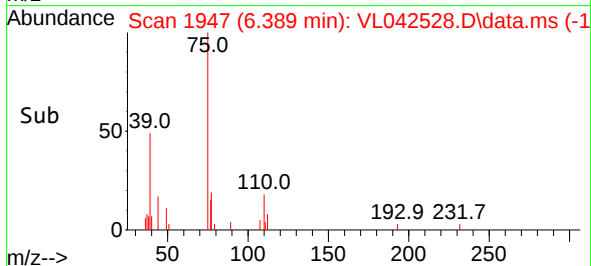
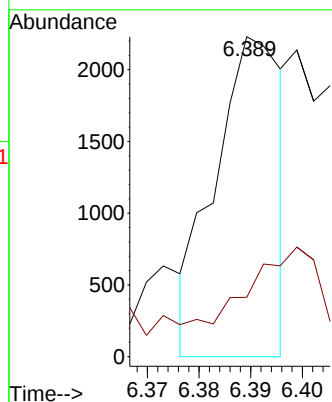
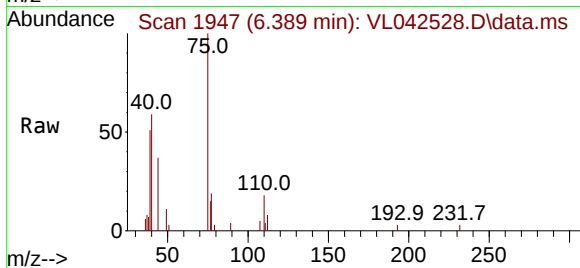
VSTDIC0.5

Tgt Ion: 75 Resp: 1988

Ion Ratio Lower Upper

75 100

77 18.6 23.3 34.9#



#46

cis-1,3-Dichloropropene

Concen: 0.197 ppbv

RT: 5.580 min Scan# 1697

Delta R.T. -0.000 min

Lab File: VL042528.D

Acq: 12 May 2025 10:41

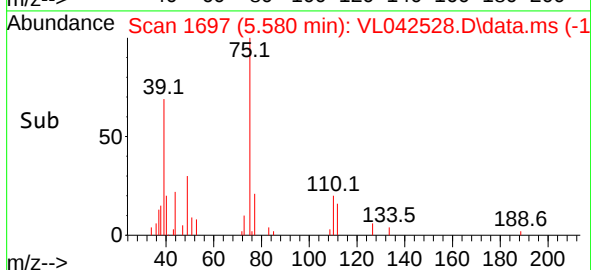
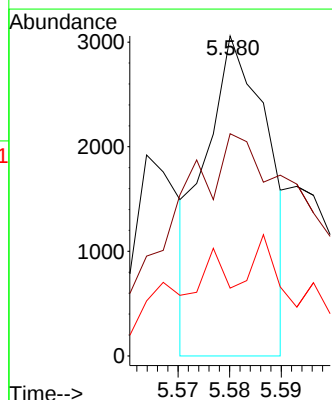
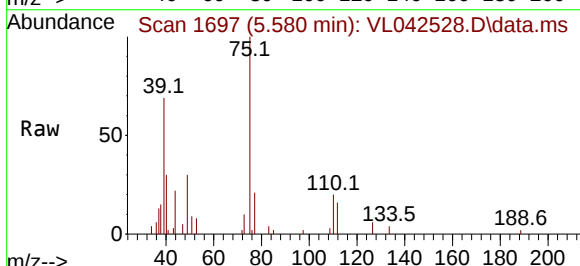
Tgt Ion: 75 Resp: 2611

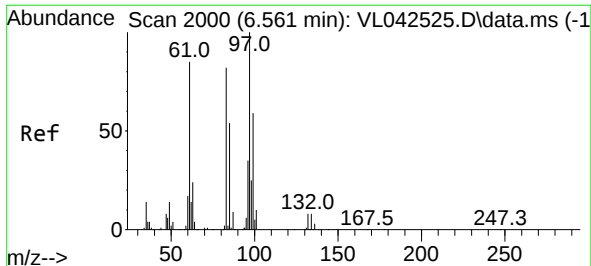
Ion Ratio Lower Upper

75 100

39 37.4 51.2 76.8#

77 4.4 25.4 38.0#

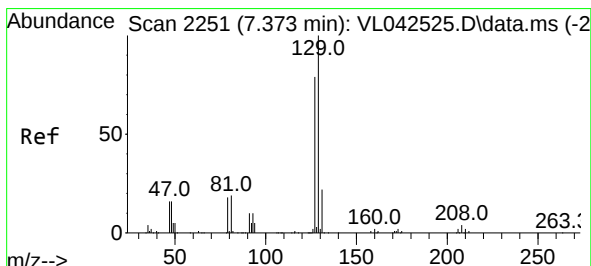
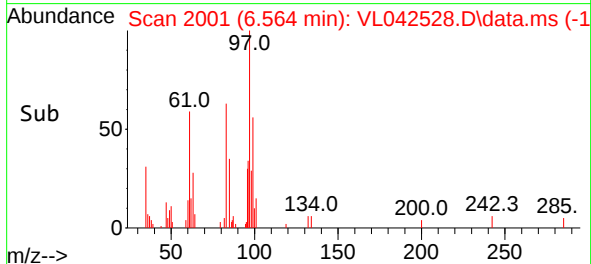
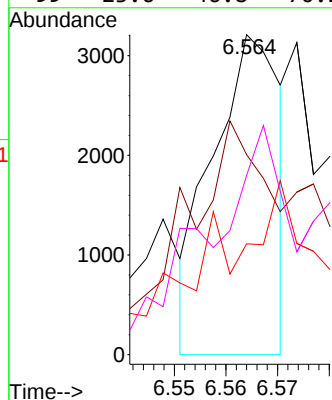
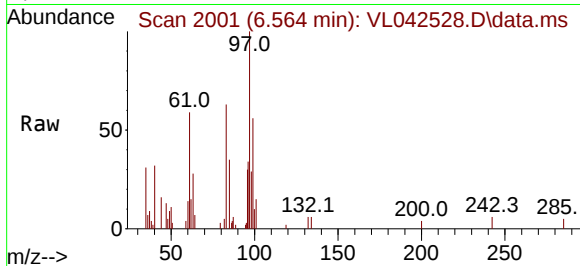




#47
1,1,2-Trichloroethane
Concen: 0.258 ppbv
RT: 6.564 min Scan# 2000
Delta R.T. 0.003 min
Lab File: VL042528.D
Acq: 12 May 2025 10:41

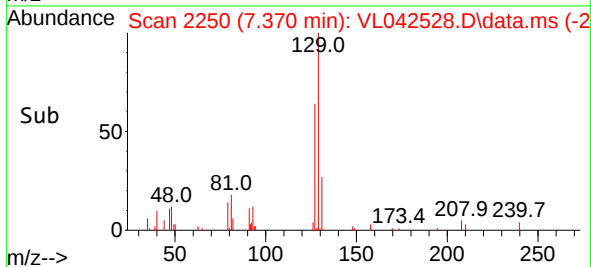
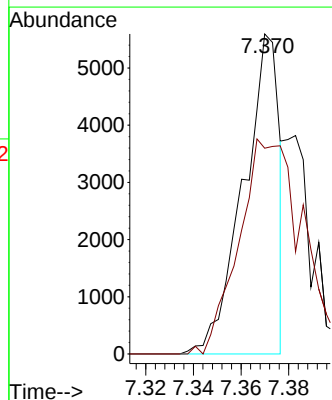
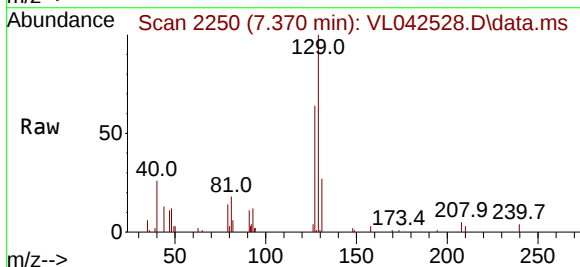
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

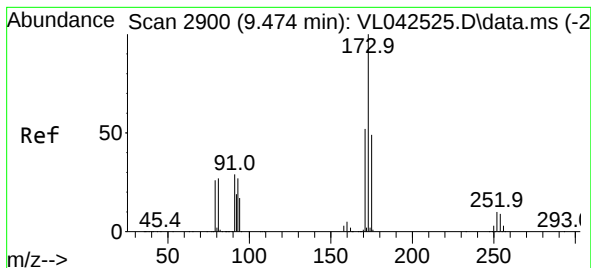
Tgt Ion:	97	Resp:	2915
Ion	Ratio	Lower	Upper
97	100		
83	25.4	66.0	99.0#
85	17.4	42.8	64.2#
99	23.6	46.8	70.2#



#48
Dibromochloromethane
Concen: 0.309 ppbv
RT: 7.370 min Scan# 2250
Delta R.T. -0.004 min
Lab File: VL042528.D
Acq: 12 May 2025 10:41

Tgt Ion:	129	Resp:	5839
Ion	Ratio	Lower	Upper
129	100		
127	119.2	39.6	118.8#





#49

Bromoform

Concen: 0.460 ppbv

RT: 9.474 min Scan# 2900

Delta R.T. -0.000 min

Lab File: VL042528.D

Acq: 12 May 2025 10:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

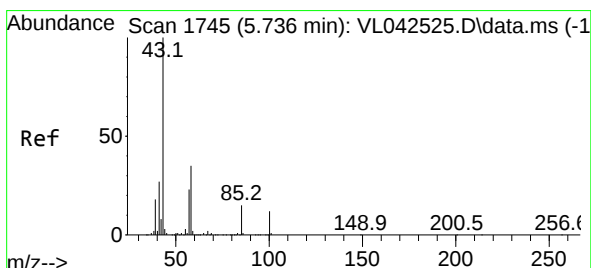
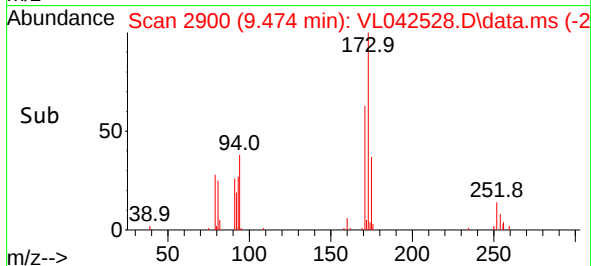
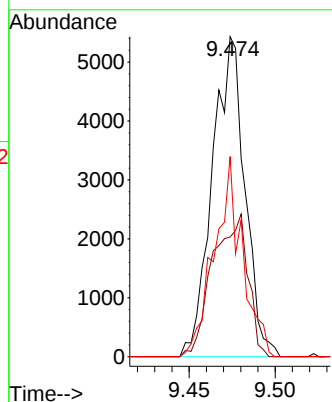
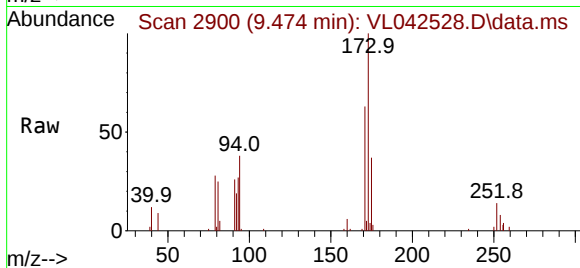
Tgt Ion:173 Resp: 7130

Ion Ratio Lower Upper

173 100

175 48.1 39.1 58.7

171 53.6 41.8 62.8



#50

4-Methyl-2-Pentanone

Concen: 0.132 ppbv

RT: 5.742 min Scan# 1747

Delta R.T. 0.006 min

Lab File: VL042528.D

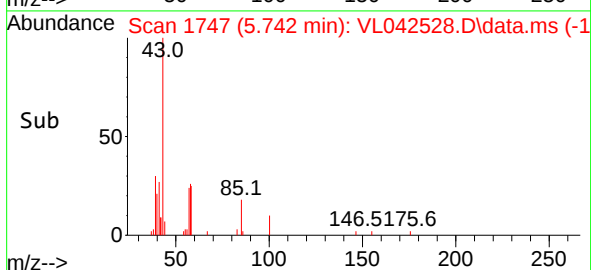
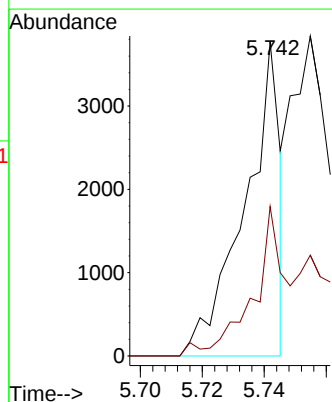
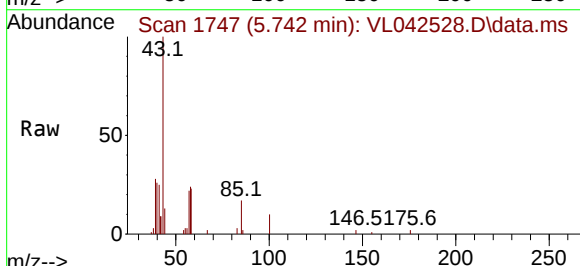
Acq: 12 May 2025 10:41

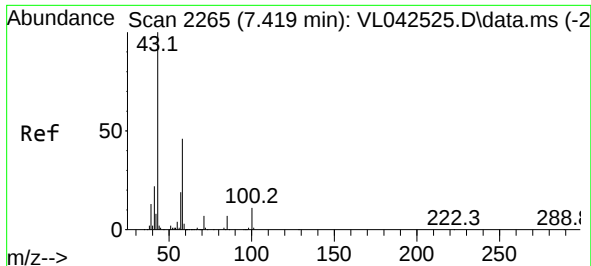
Tgt Ion: 43 Resp: 2980

Ion Ratio Lower Upper

43 100

58 96.2 28.6 42.8#

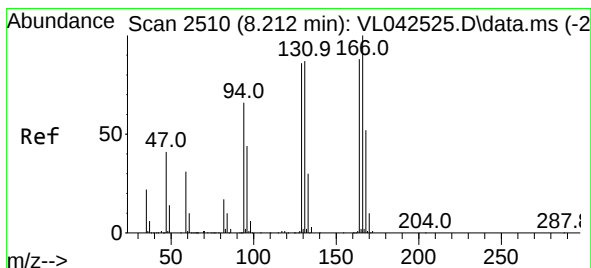
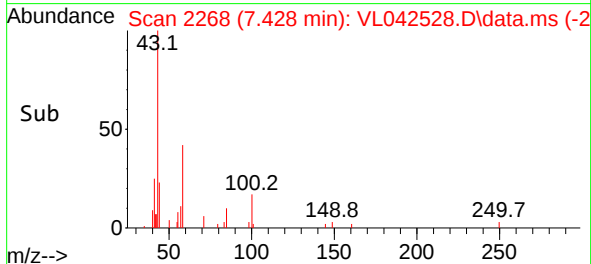
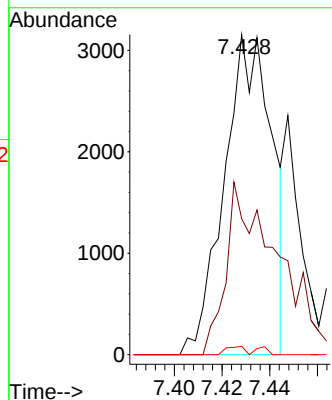
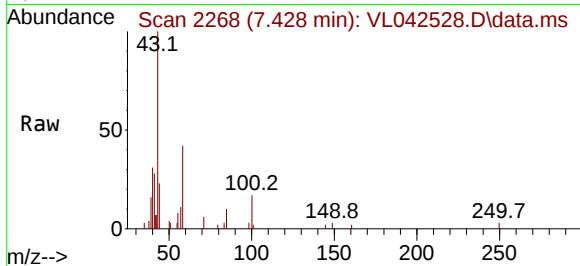




#51
2-Hexanone
Concen: 0.262 ppbv
RT: 7.428 min Scan# 2109
Delta R.T. 0.009 min
Lab File: VL042528.D
Acq: 12 May 2025 10:41

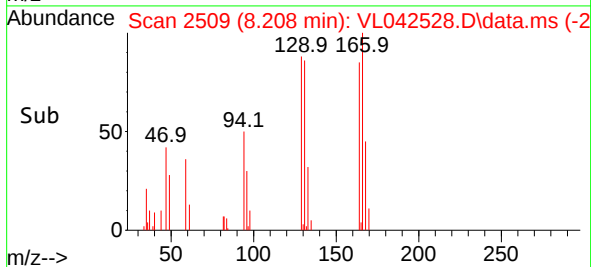
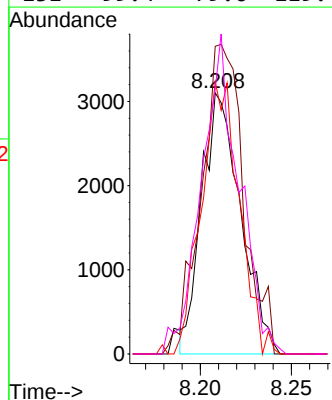
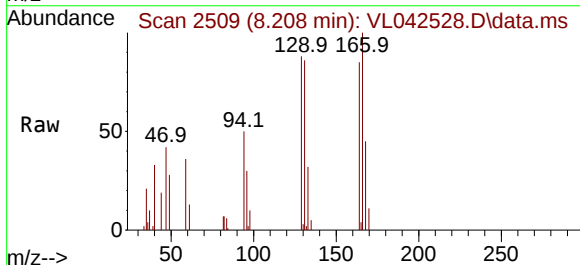
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

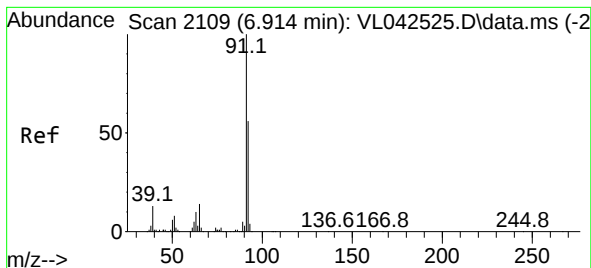
Tgt Ion: 43 Resp: 4380
Ion Ratio Lower Upper
43 100
58 58.3 37.5 56.3#
98 1.6 0.9 1.3#



#52
Tetrachloroethene
Concen: 0.466 ppbv
RT: 8.208 min Scan# 2509
Delta R.T. -0.004 min
Lab File: VL042528.D
Acq: 12 May 2025 10:41

Tgt Ion: 164 Resp: 4637
Ion Ratio Lower Upper
164 100
166 117.8 91.3 136.9
129 104.2 78.9 118.3
131 99.4 79.6 119.4





#53

Toluene

Concen: 0.098 ppbv

RT: 6.920 min Scan# 2109

Delta R.T. 0.006 min

Lab File: VL042528.D

Acq: 12 May 2025 10:41

Instrument :

MSVOA_L

ClientSampleId :

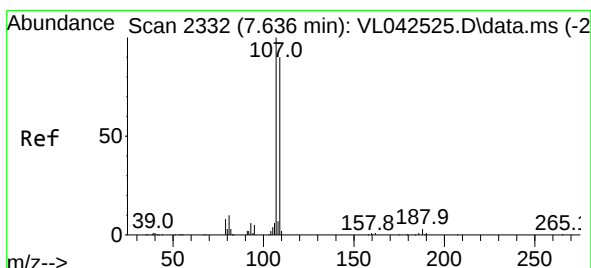
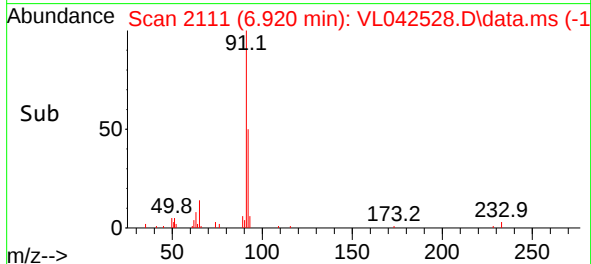
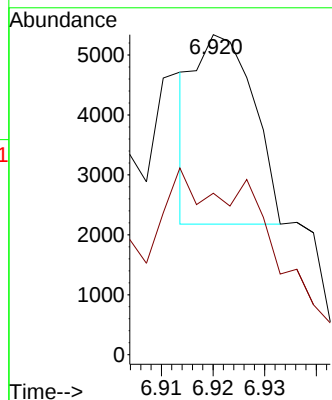
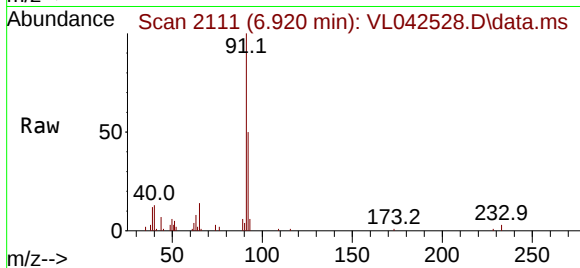
VSTDIC0.5

Tgt Ion: 91 Resp: 2481

Ion Ratio Lower Upper

91 100

92 242.8 47.8 71.6#



#54

1,2-Dibromoethane

Concen: 0.379 ppbv

RT: 7.635 min Scan# 2332

Delta R.T. -0.000 min

Lab File: VL042528.D

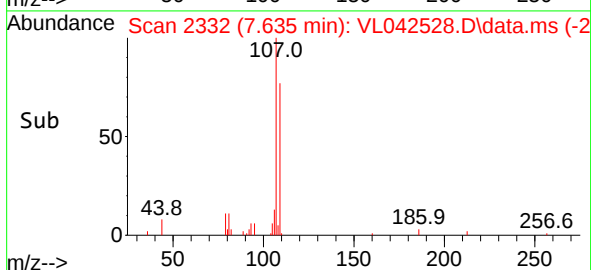
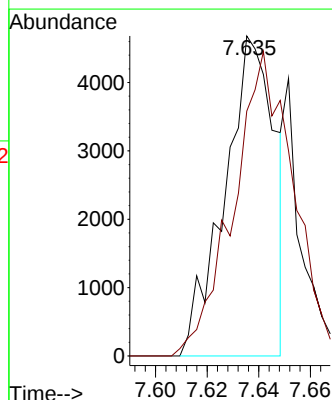
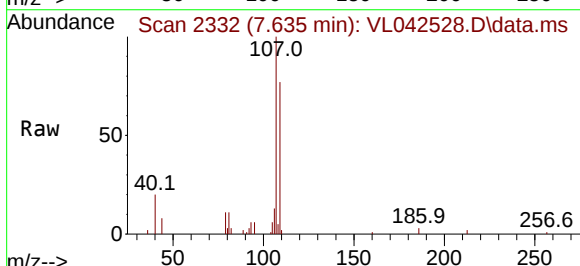
Acq: 12 May 2025 10:41

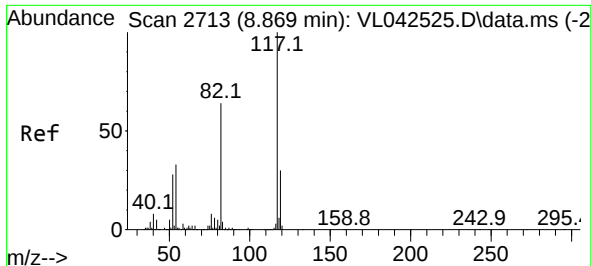
Tgt Ion: 107 Resp: 6271

Ion Ratio Lower Upper

107 100

109 74.2 72.2 108.4

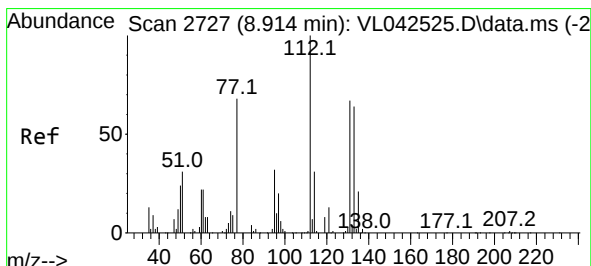
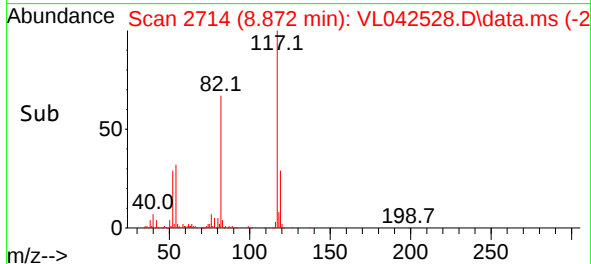
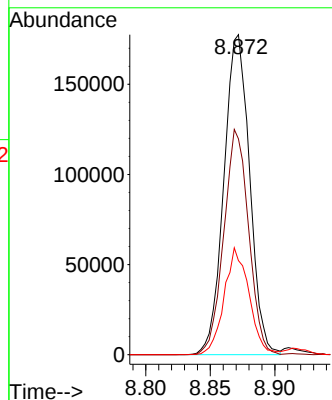
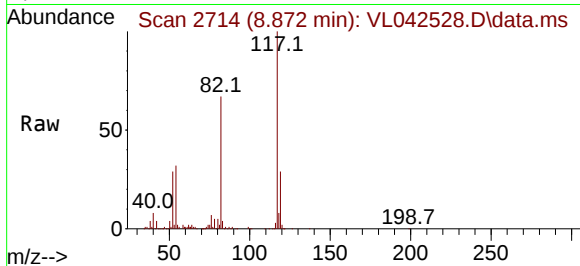




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.872 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL042528.D
Acq: 12 May 2025 10:41

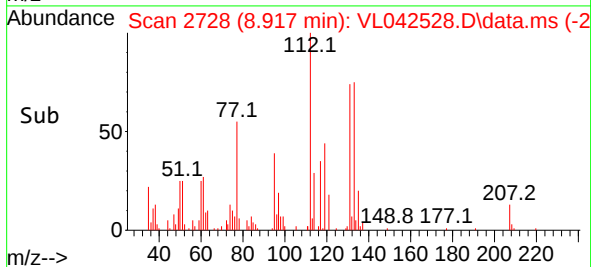
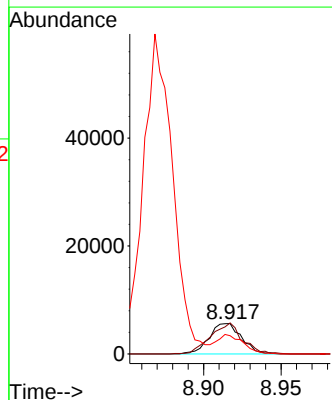
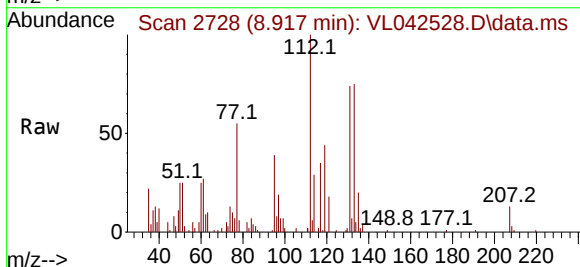
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

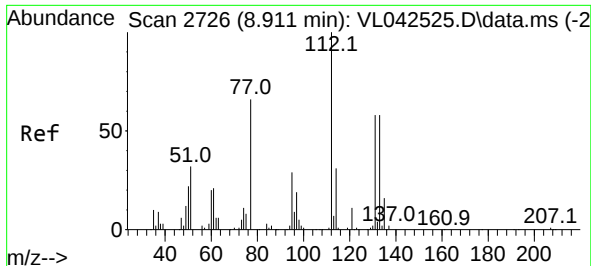
Tgt Ion:117 Resp: 246447
Ion Ratio Lower Upper
117 100
82 68.2 55.0 82.4
119 34.0 25.8 38.6



#56
1,1,1,2-Tetrachloroethane
Concen: 0.533 ppbv
RT: 8.917 min Scan# 2728
Delta R.T. 0.003 min
Lab File: VL042528.D
Acq: 12 May 2025 10:41

Tgt Ion:131 Resp: 8150
Ion Ratio Lower Upper
131 100
133 100.6 77.4 116.2
119 1028.9 49.0 73.4#

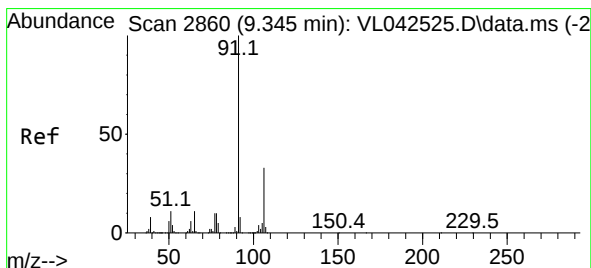
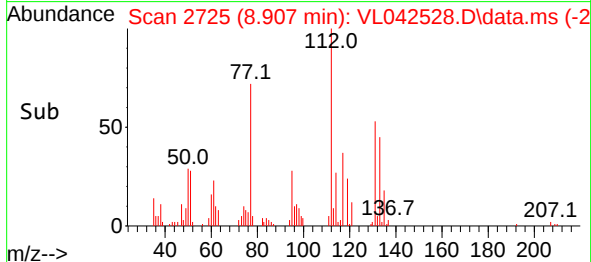
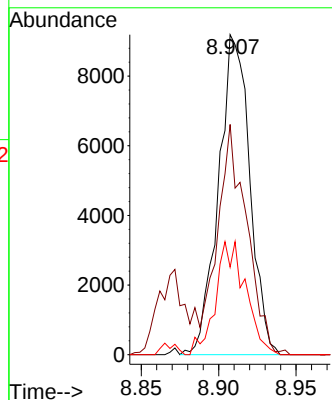
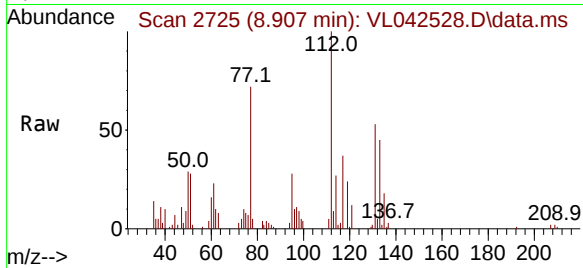




#57
Chlorobenzene
Concen: 0.521 ppbv
RT: 8.907 min Scan# 21
Delta R.T. -0.004 min
Lab File: VL042528.D
Acq: 12 May 2025 10:41

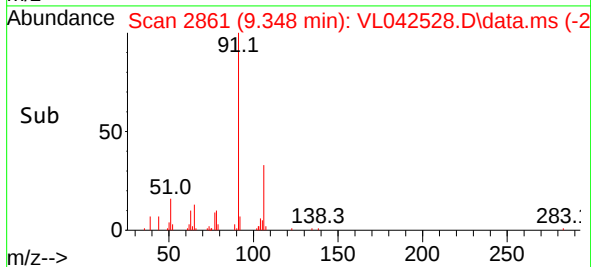
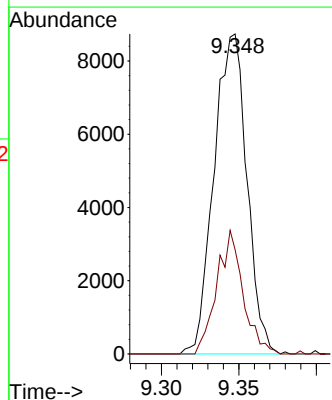
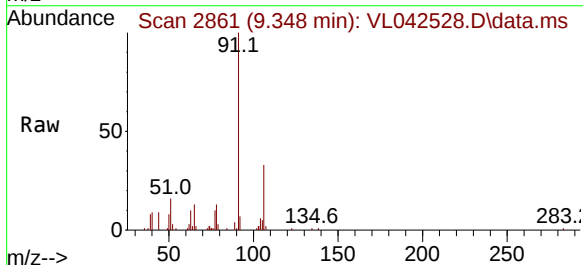
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

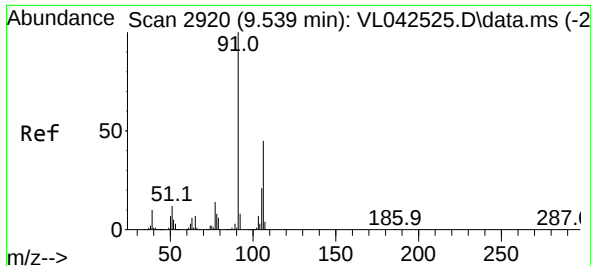
Tgt Ion:112 Resp: 12888
Ion Ratio Lower Upper
112 100
77 70.9 53.6 80.4
114 27.4 28.2 34.4#



#58
Ethyl Benzene
Concen: 0.384 ppbv
RT: 9.348 min Scan# 2861
Delta R.T. 0.003 min
Lab File: VL042528.D
Acq: 12 May 2025 10:41

Tgt Ion: 91 Resp: 12895
Ion Ratio Lower Upper
91 100
106 32.6 26.0 39.0





#59

m/p-Xylene

Concen: 0.183 ppbv

RT: 9.545 min Scan# 2920

Delta R.T. 0.006 min

Lab File: VL042528.D

Acq: 12 May 2025 10:41

Instrument :

MSVOA_L

ClientSampleId :

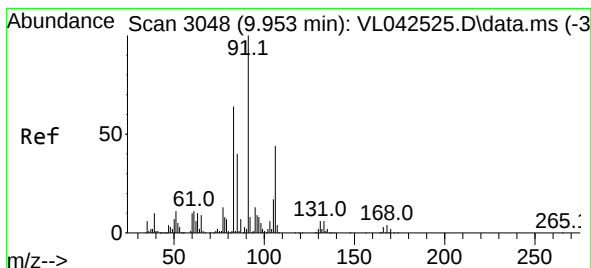
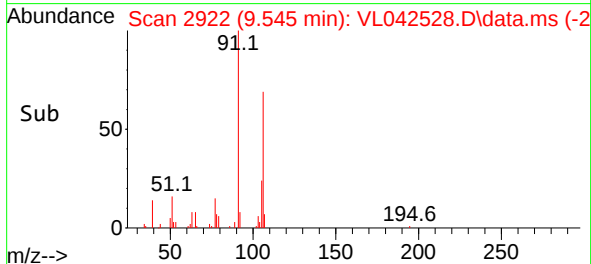
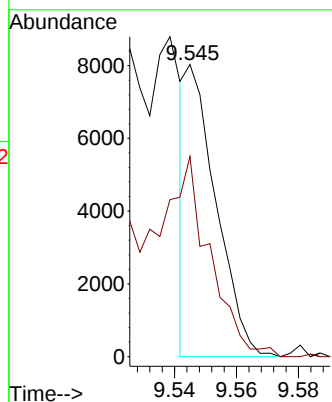
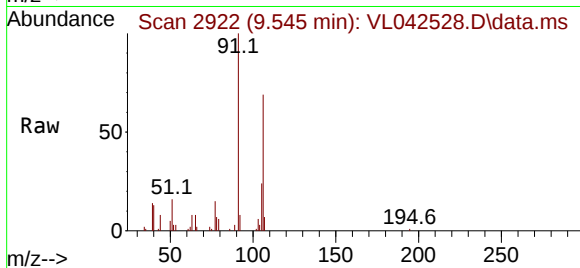
VSTDIC0.5

Tgt Ion: 91 Resp: 5454

Ion Ratio Lower Upper

91 100

106 190.7 0.0 0.0#



#60

o-Xylene

Concen: 0.339 ppbv

RT: 9.950 min Scan# 3047

Delta R.T. -0.004 min

Lab File: VL042528.D

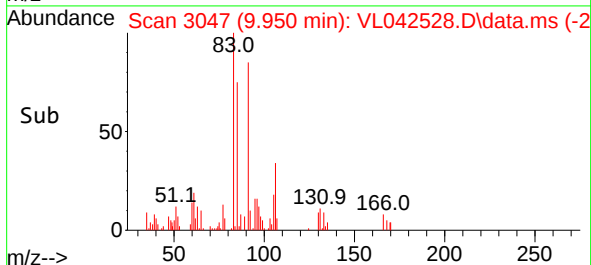
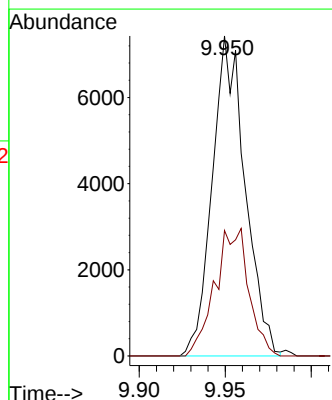
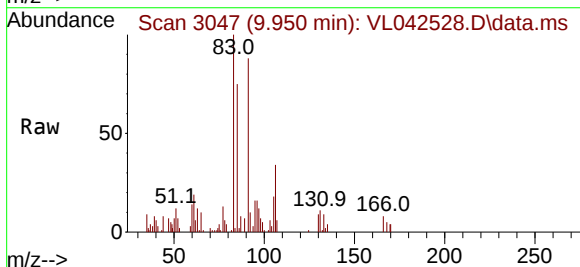
Acq: 12 May 2025 10:41

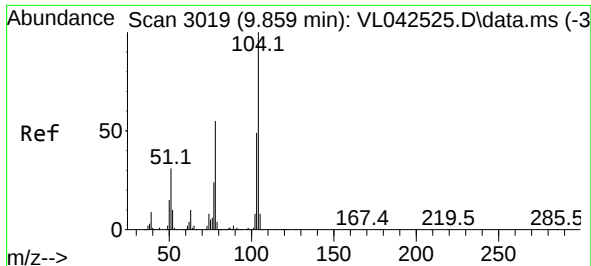
Tgt Ion: 91 Resp: 9883

Ion Ratio Lower Upper

91 100

106 40.8 21.6 64.6

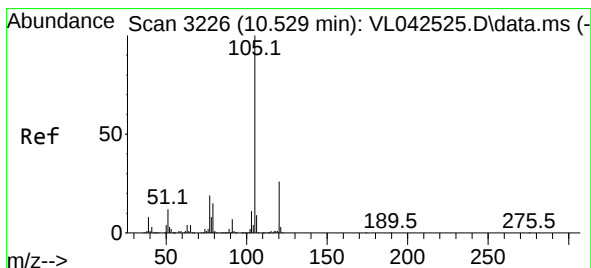
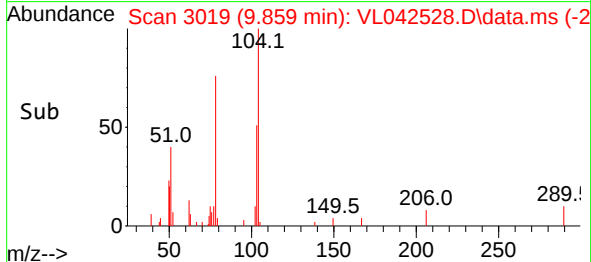
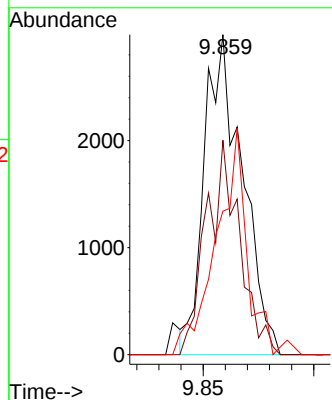
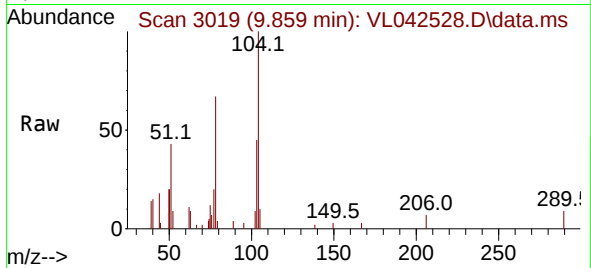




#61
Styrene
Concen: 0.332 ppbv
RT: 9.859 min Scan# 3019
Delta R.T. -0.000 min
Lab File: VL042528.D
Acq: 12 May 2025 10:41

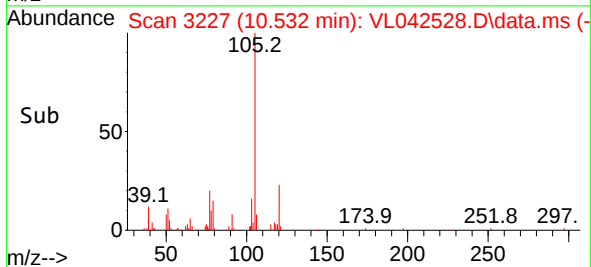
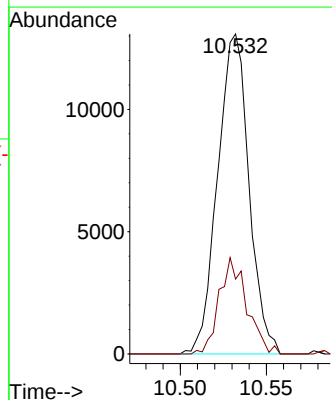
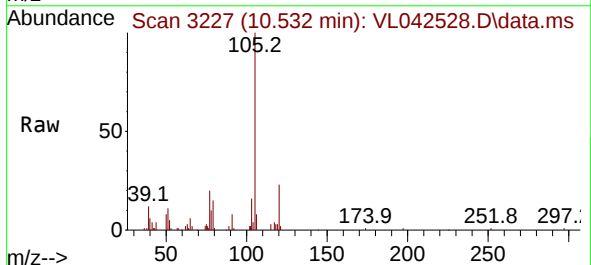
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

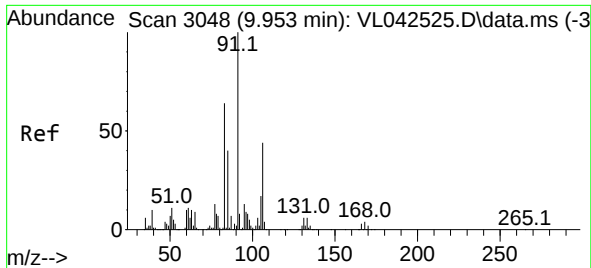
Tgt Ion:104 Resp: 3566
Ion Ratio Lower Upper
104 100
78 58.3 44.7 67.1
103 57.2 38.6 58.0



#62
Isopropylbenzene
Concen: 0.378 ppbv
RT: 10.532 min Scan# 3227
Delta R.T. 0.003 min
Lab File: VL042528.D
Acq: 12 May 2025 10:41

Tgt Ion:105 Resp: 16603
Ion Ratio Lower Upper
105 100
120 26.4 20.1 30.1

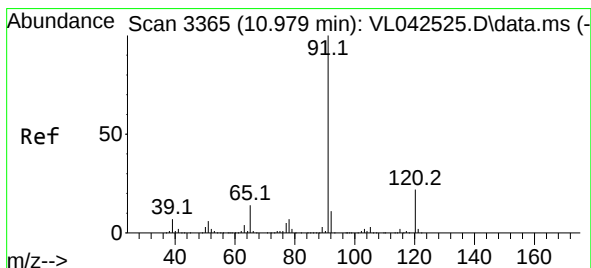
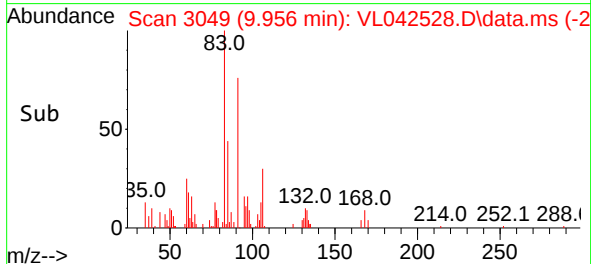
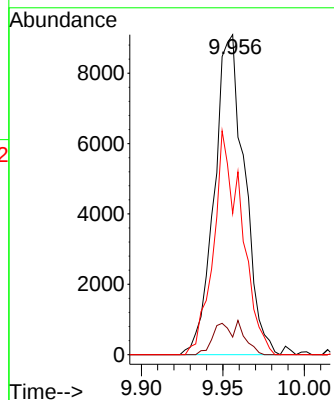
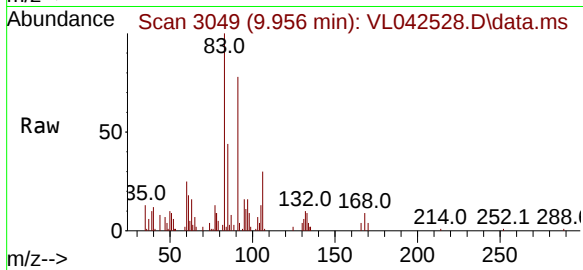




#63
1,1,2,2-Tetrachloroethane
Concen: 0.501 ppbv
RT: 9.956 min Scan# 3049
Delta R.T. 0.003 min
Lab File: VL042528.D
Acq: 12 May 2025 10:41

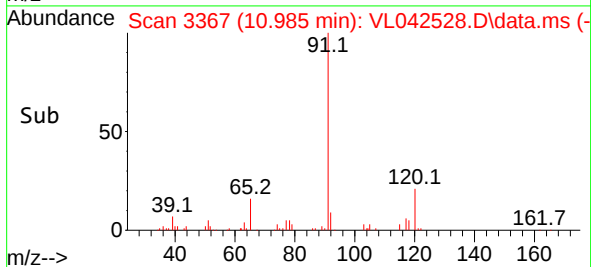
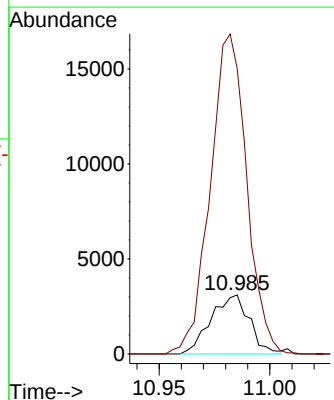
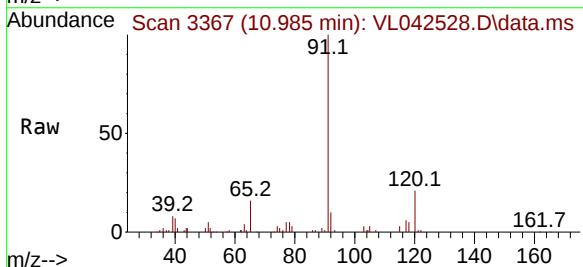
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

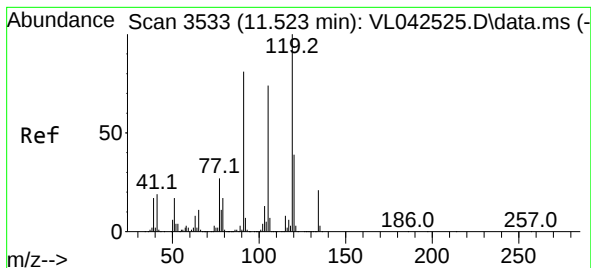
Tgt Ion: 83 Resp: 11693
Ion Ratio Lower Upper
83 100
131 9.6 4.9 14.7
85 65.2 32.3 96.8



#64
n-propylbenzene
Concen: 0.338 ppbv
RT: 10.985 min Scan# 3367
Delta R.T. 0.006 min
Lab File: VL042528.D
Acq: 12 May 2025 10:41

Tgt Ion: 120 Resp: 3758
Ion Ratio Lower Upper
120 100
91 512.7 377.7 566.5

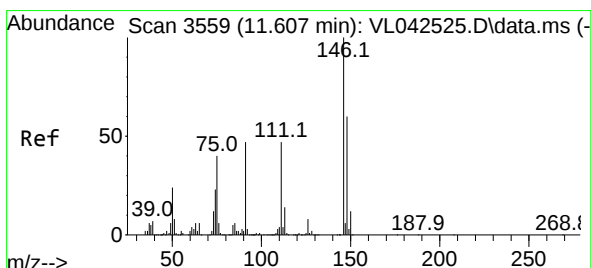
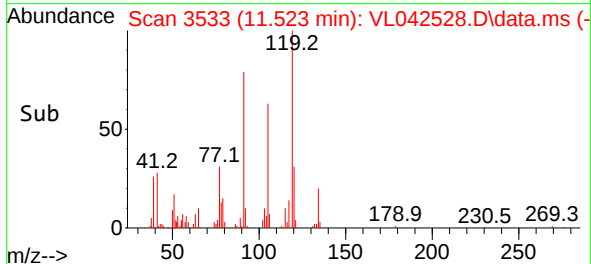
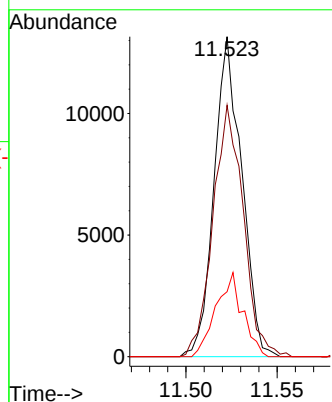
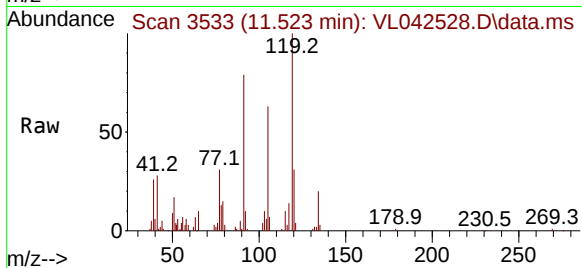




#65
tert-Butylbenzene
Concen: 0.344 ppbv
RT: 11.523 min Scan# 31
Delta R.T. -0.000 min
Lab File: VL042528.D
Acq: 12 May 2025 10:41

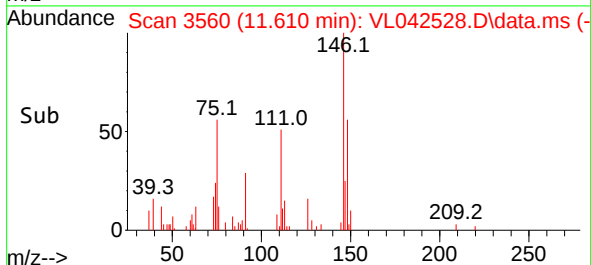
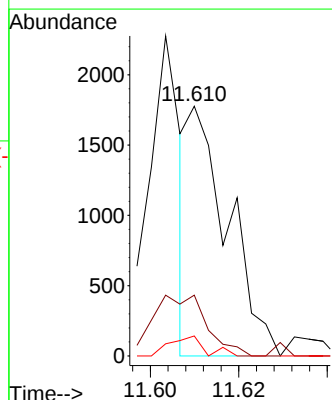
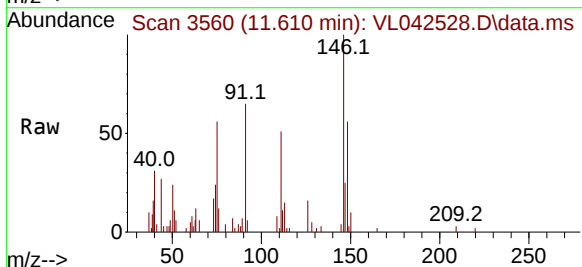
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

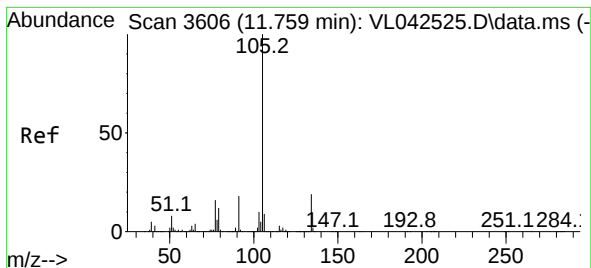
Tgt Ion:119 Resp: 13867
Ion Ratio Lower Upper
119 100
91 86.4 66.6 99.8
134 25.4 16.3 24.5#



#66
Benzyl Chloride
Concen: 0.208 ppbv
RT: 11.610 min Scan# 3560
Delta R.T. 0.003 min
Lab File: VL042528.D
Acq: 12 May 2025 10:41

Tgt Ion: 91 Resp: 1111
Ion Ratio Lower Upper
91 100
126 0.0 13.7 20.5#
128 7.0 4.2 6.2#





#67

sec-Butylbenzene

Concen: 0.368 ppbv

RT: 11.762 min Scan# 3607

Delta R.T. 0.003 min

Lab File: VL042528.D

Acq: 12 May 2025 10:41

Instrument :

MSVOA_L

ClientSampleId :

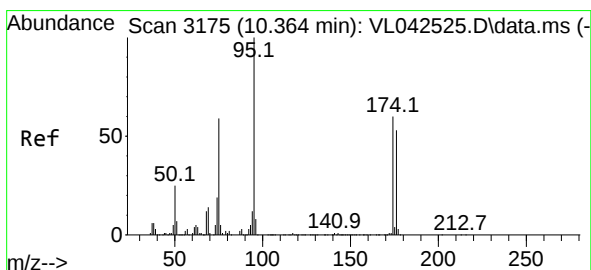
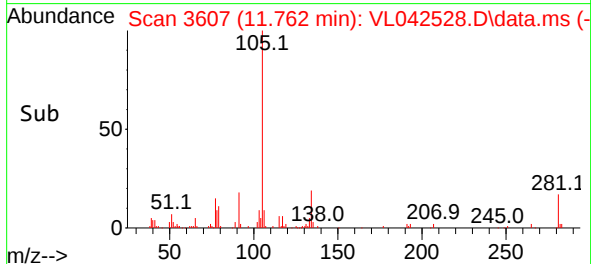
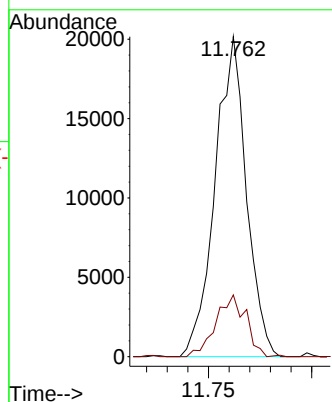
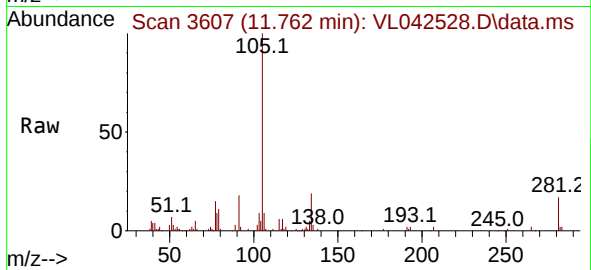
VSTDIC0.5

Tgt Ion:105 Resp: 21235

Ion Ratio Lower Upper

105 100

134 18.6 14.9 22.3



#68

1-Bromo-4-Fluorobenzene

Concen: 10.145 ppbv

RT: 10.367 min Scan# 3176

Delta R.T. 0.003 min

Lab File: VL042528.D

Acq: 12 May 2025 10:41

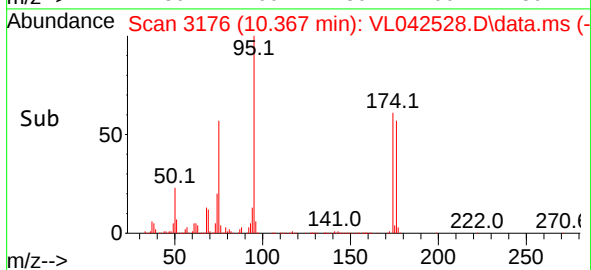
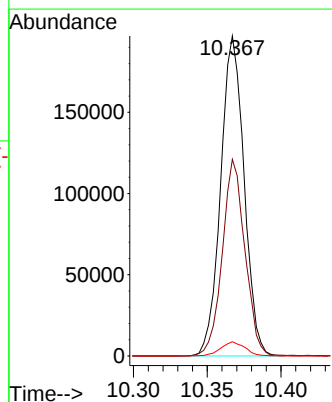
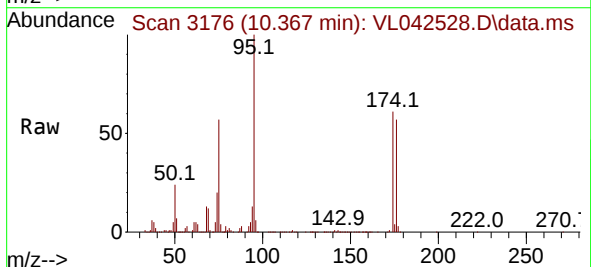
Tgt Ion: 95 Resp: 217536

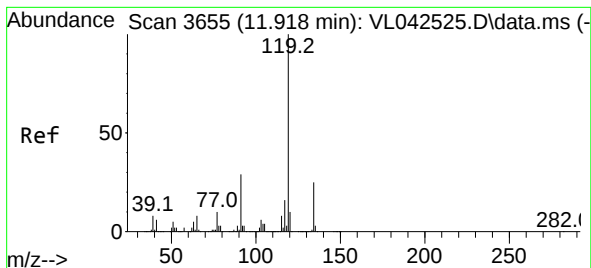
Ion Ratio Lower Upper

95 100

174 59.4 48.0 72.0

175 4.6 3.5 5.3

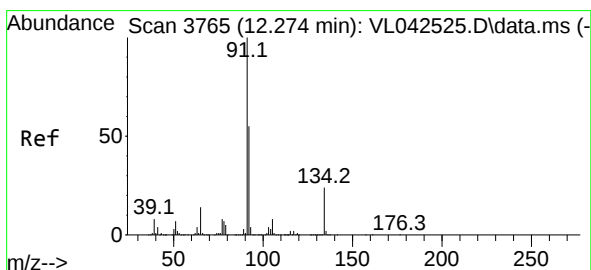
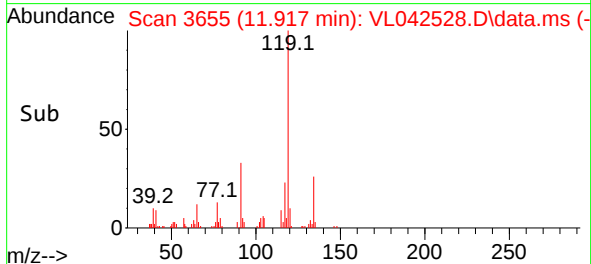
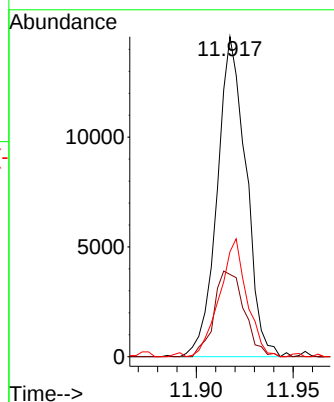
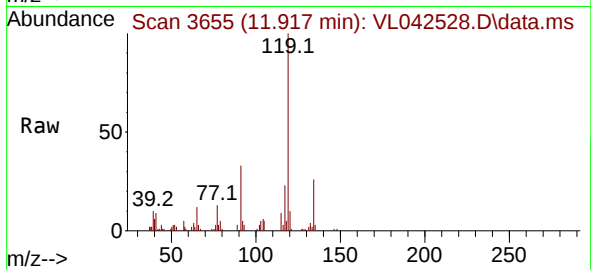




#69
p-Isopropyltoluene
Concen: 0.317 ppbv
RT: 11.917 min Scan# 3655
Delta R.T. -0.000 min
Lab File: VL042528.D
Acq: 12 May 2025 10:41

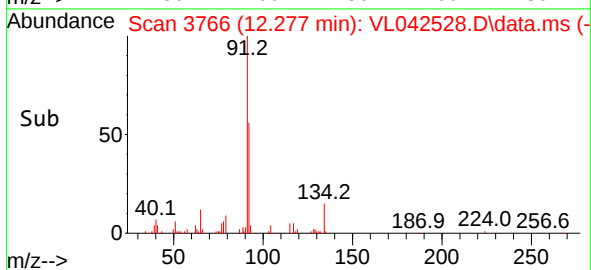
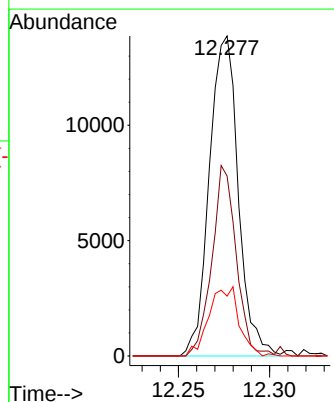
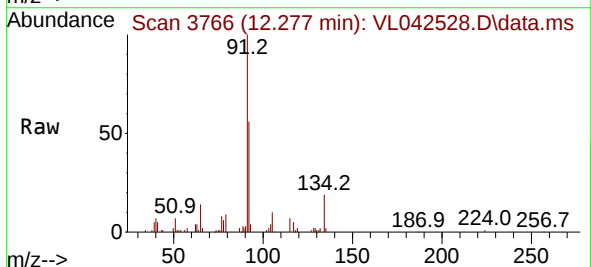
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

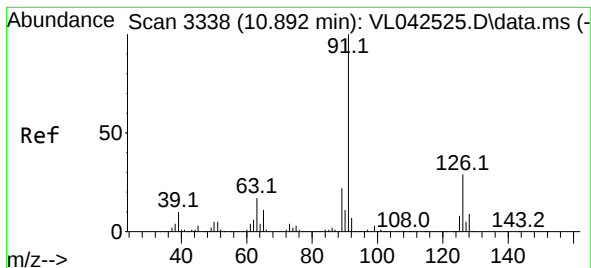
Tgt Ion:119 Resp: 15071
Ion Ratio Lower Upper
119 100
134 28.1 19.8 29.6
91 36.2 23.6 35.4#



#70
n-Butylbenzene
Concen: 0.326 ppbv
RT: 12.277 min Scan# 3766
Delta R.T. 0.003 min
Lab File: VL042528.D
Acq: 12 May 2025 10:41

Tgt Ion: 91 Resp: 15321
Ion Ratio Lower Upper
91 100
92 50.6 43.7 65.5
134 22.5 18.9 28.3

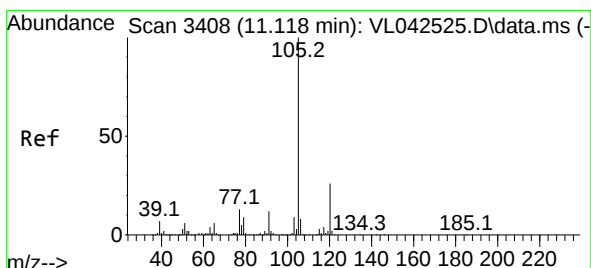
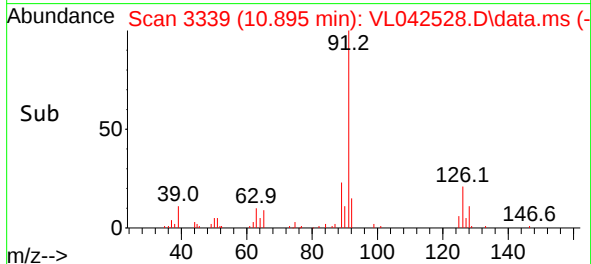
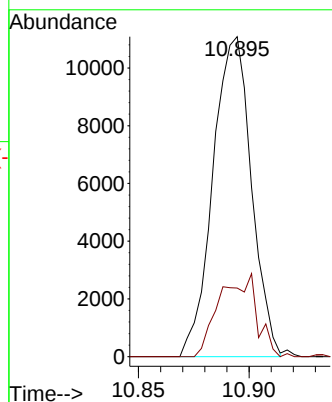
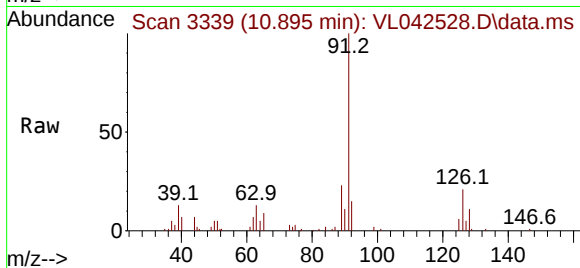




#71
2-Chlorotoluene
Concen: 0.404 ppbv
RT: 10.895 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL042528.D
Acq: 12 May 2025 10:41

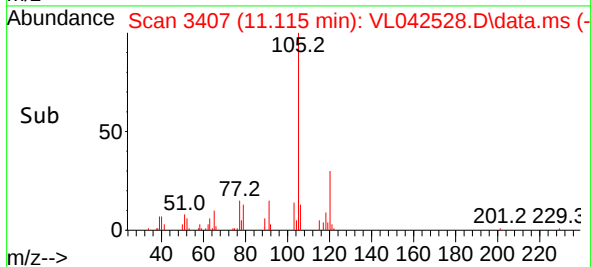
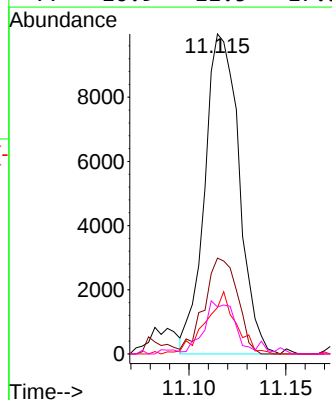
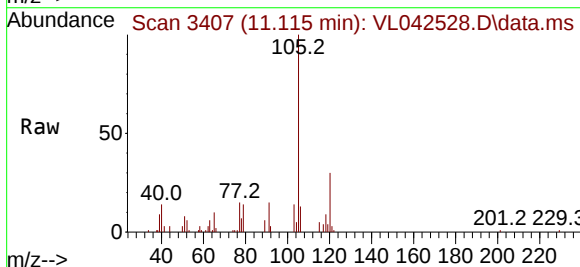
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

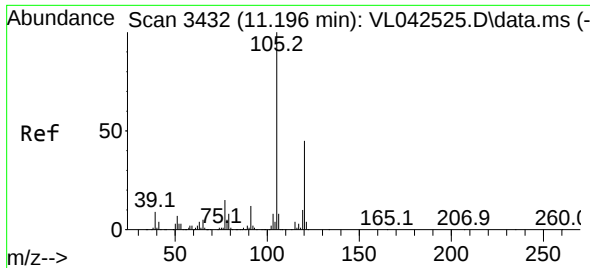
Tgt Ion: 91 Resp: 13426
Ion Ratio Lower Upper
91 100
126 25.4 11.4 45.6



#72
4-Ethyltoluene
Concen: 0.340 ppbv
RT: 11.115 min Scan# 3407
Delta R.T. -0.004 min
Lab File: VL042528.D
Acq: 12 May 2025 10:41

Tgt Ion: 105 Resp: 12284
Ion Ratio Lower Upper
105 100
120 31.9 22.9 34.3
91 17.2 10.9 16.3#
77 16.9 11.5 17.3

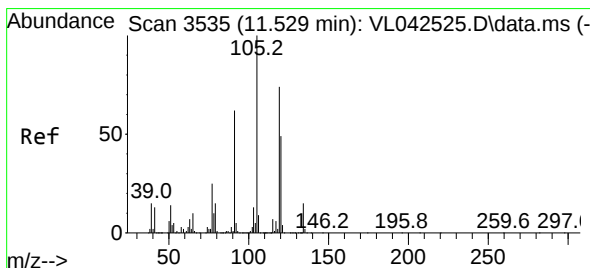
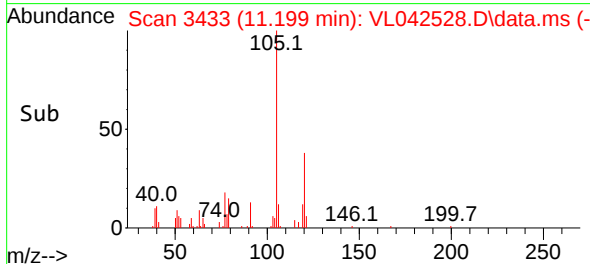
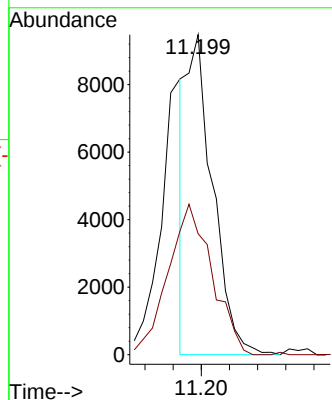
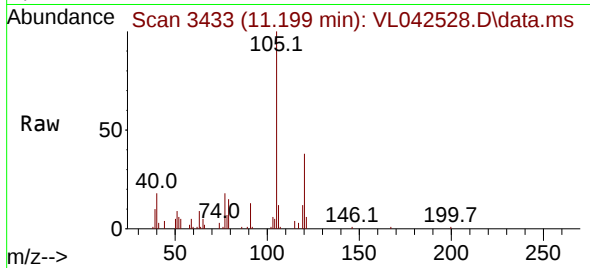




#73
 1,3,5-Trimethylbenzene
 Concen: 0.194 ppbv
 RT: 11.199 min Scan# 3433
 Delta R.T. 0.003 min
 Lab File: VL042528.D
 Acq: 12 May 2025 10:41

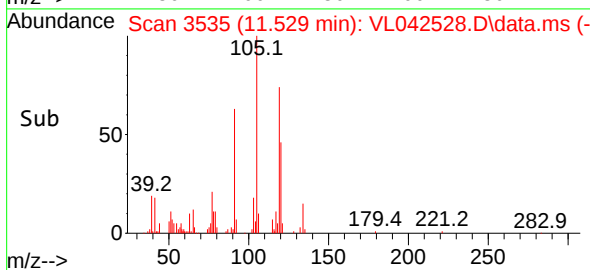
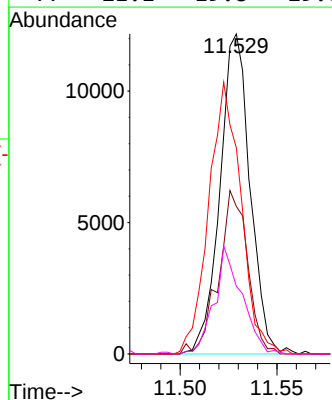
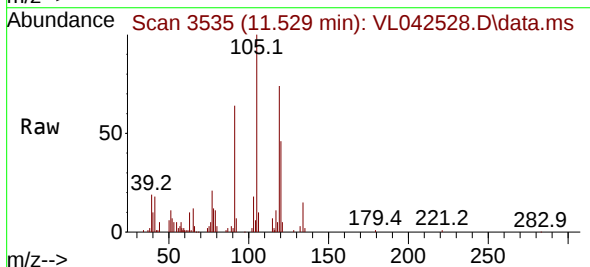
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

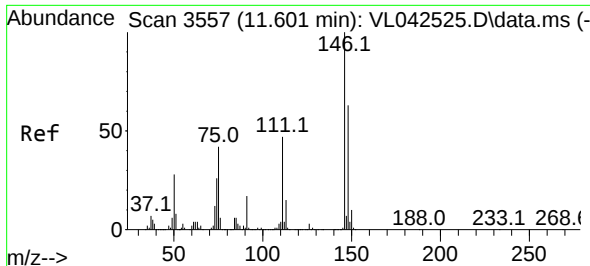
Tgt Ion:105 Resp: 6102
 Ion Ratio Lower Upper
 105 100
 120 37.0 36.0 54.0



#74
 1,2,4-Trimethylbenzene
 Concen: 0.339 ppbv
 RT: 11.529 min Scan# 3535
 Delta R.T. -0.000 min
 Lab File: VL042528.D
 Acq: 12 May 2025 10:41

Tgt Ion:105 Resp: 13113
 Ion Ratio Lower Upper
 105 100
 120 46.1 39.0 58.6
 91 63.6 49.4 74.2
 77 21.1 19.8 29.6

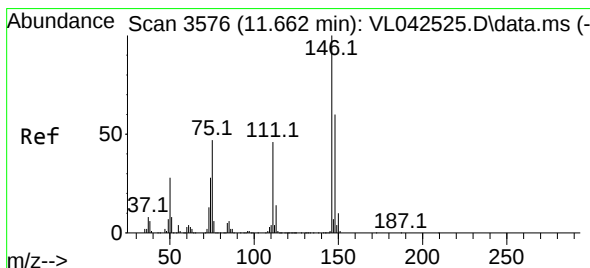
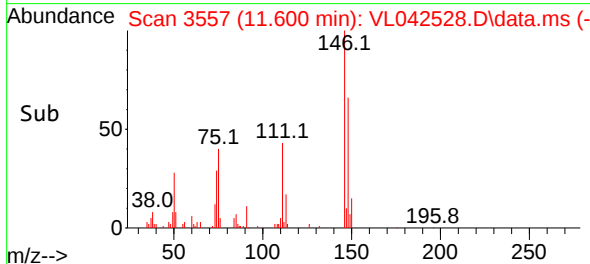
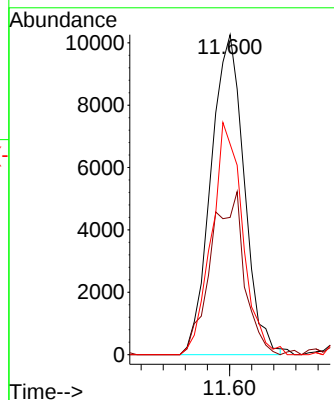
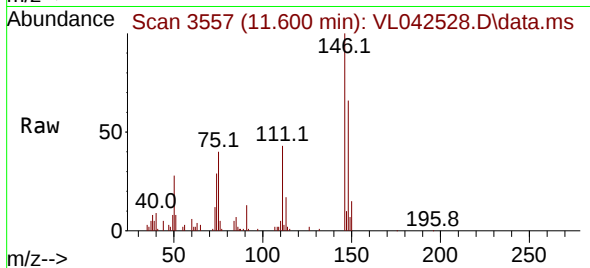




#75
1,3-Dichlorobenzene
Concen: 0.440 ppbv
RT: 11.600 min Scan# 3557
Delta R.T. -0.000 min
Lab File: VL042528.D
Acq: 12 May 2025 10:41

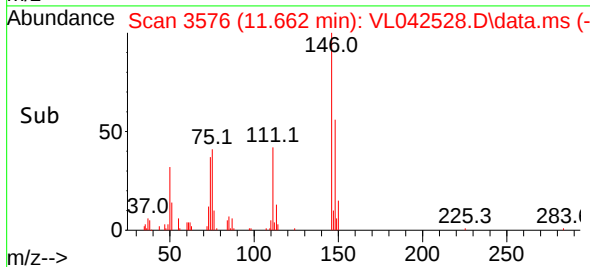
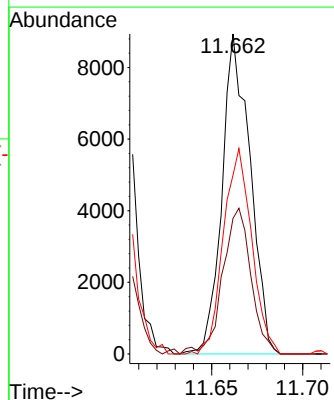
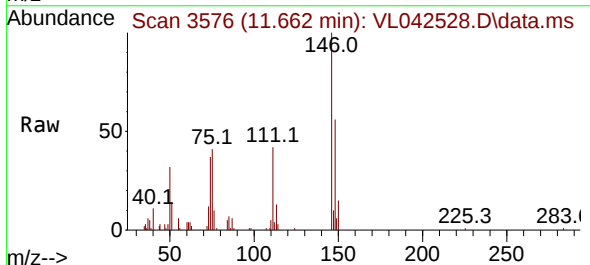
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

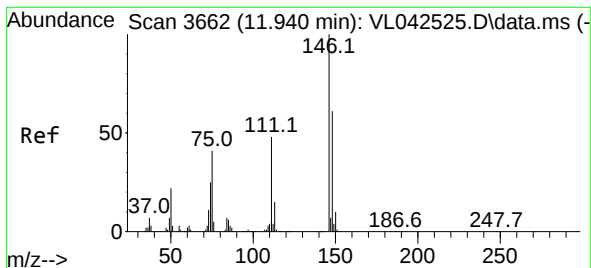
Tgt Ion:146 Resp: 10683
Ion Ratio Lower Upper
146 100
111 51.7 23.6 71.0
148 68.0 31.6 94.8



#76
1,4-Dichlorobenzene
Concen: 0.416 ppbv
RT: 11.662 min Scan# 3576
Delta R.T. -0.000 min
Lab File: VL042528.D
Acq: 12 May 2025 10:41

Tgt Ion:146 Resp: 9591
Ion Ratio Lower Upper
146 100
111 45.9 23.4 70.3
148 64.7 31.6 94.7





#77

1,2-Dichlorobenzene

Concen: 0.490 ppbv

RT: 11.940 min Scan# 3

Delta R.T. -0.000 min

Lab File: VL042528.D

Acq: 12 May 2025 10:41

Instrument :

MSVOA_1

ClientSampleId :

VSTDICC0.5

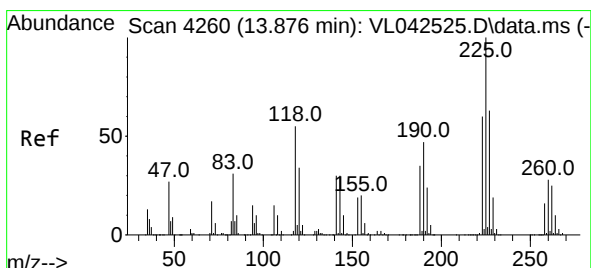
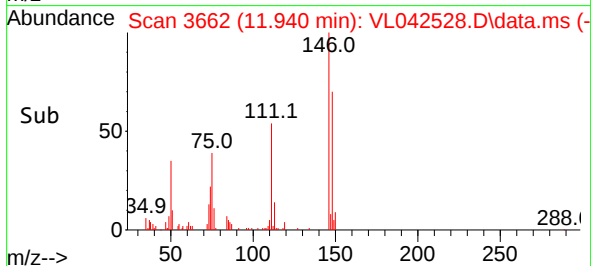
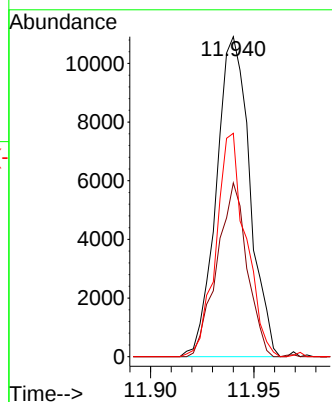
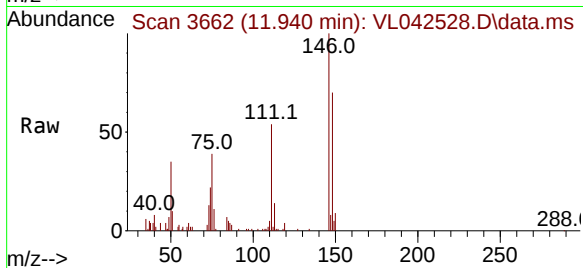
Tgt Ion:146 Resp: 12272

Ion Ratio Lower Upper

146 100

111 49.1 24.9 74.8

148 62.7 31.4 94.2



#78

Hexachloro-1,3-Butadiene

Concen: 0.537 ppbv

RT: 13.876 min Scan# 4260

Delta R.T. -0.000 min

Lab File: VL042528.D

Acq: 12 May 2025 10:41

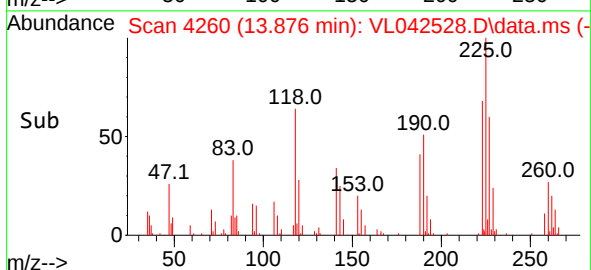
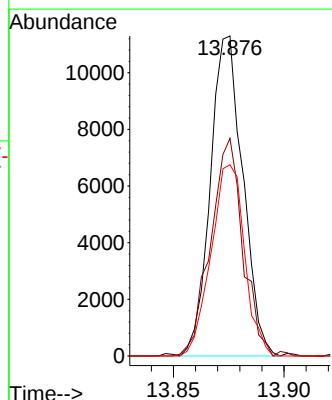
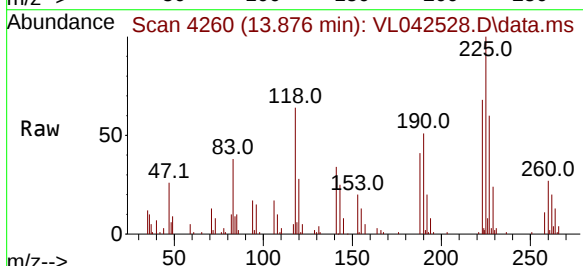
Tgt Ion:225 Resp: 11535

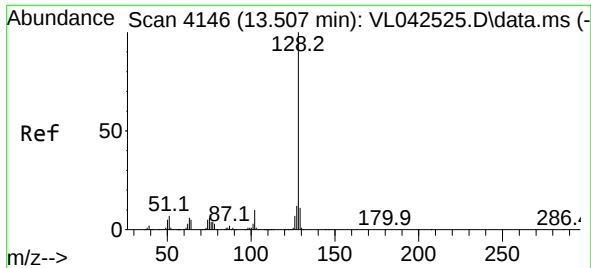
Ion Ratio Lower Upper

225 100

223 67.9 50.8 76.2

227 61.5 50.5 75.7

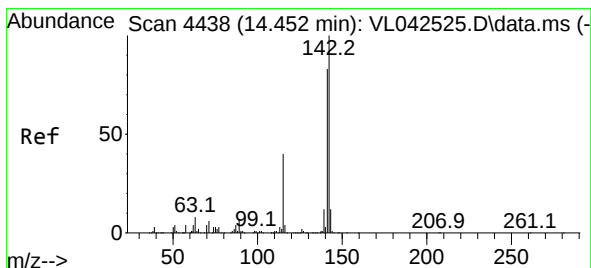
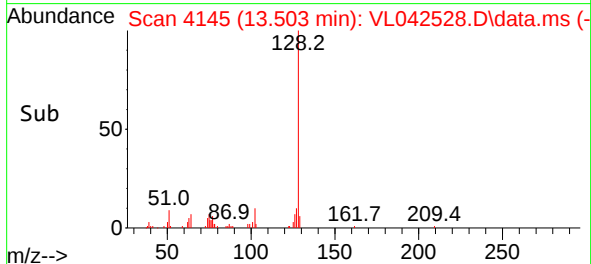
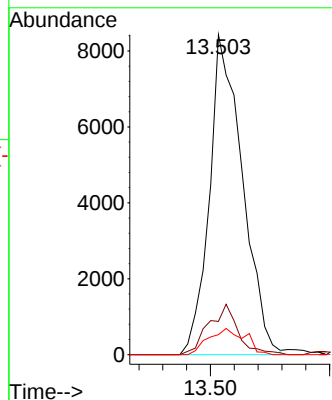
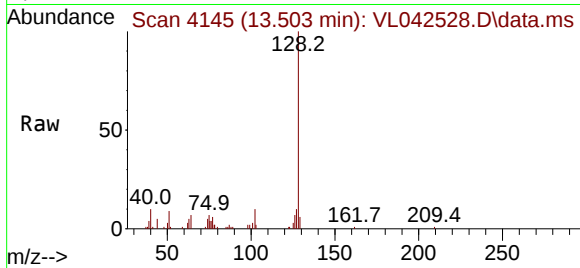




#79
Naphthalene
Concen: 0.304 ppbv
RT: 13.503 min Scan# 4145
Delta R.T. -0.004 min
Lab File: VL042528.D
Acq: 12 May 2025 10:41

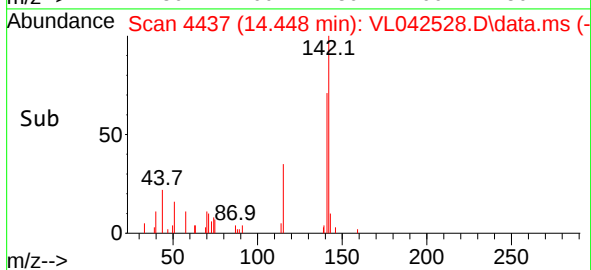
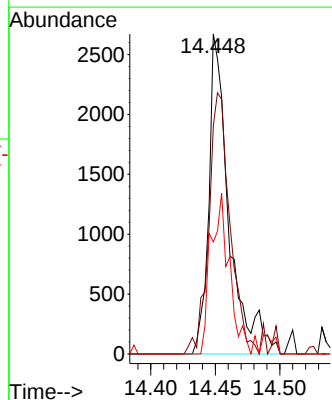
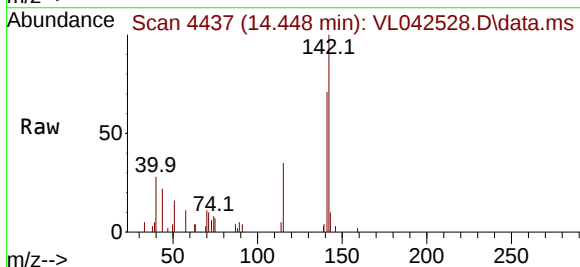
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

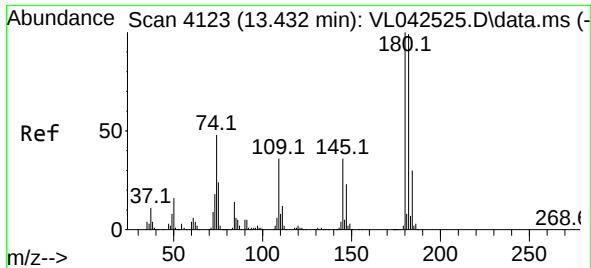
Tgt Ion:128 Resp: 8133
Ion Ratio Lower Upper
128 100
127 10.4 9.8 14.8
129 6.2 8.6 12.8#



#80
Naphthalene,2-methyl-
Concen: 0.188 ppbv
RT: 14.448 min Scan# 4437
Delta R.T. -0.004 min
Lab File: VL042528.D
Acq: 12 May 2025 10:41

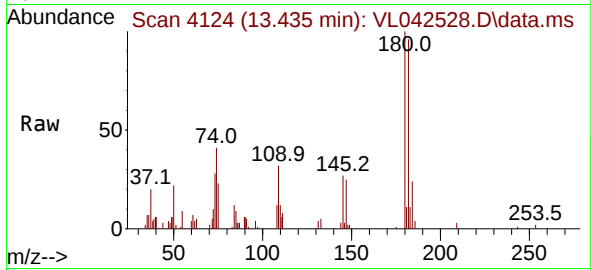
Tgt Ion:142 Resp: 2920
Ion Ratio Lower Upper
142 100
141 89.7 66.8 100.2
115 50.6 33.0 49.6#





#81
 1,2,4-Trichlorobenzene
 Concen: 0.307 ppbv
 RT: 13.435 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VL042528.D
 Acq: 12 May 2025 10:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



Tgt Ion:	180	Resp:	5016
Ion	Ratio	Lower	Upper
180	100		
182	92.7	76.6	114.8
184	34.5	24.6	36.8

