

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032525\
 Data File : VL042167.D
 Acq On : 25 Mar 2025 10:31
 Operator : SY/MD
 Sample : VSTDICC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.5

Quant Time: Mar 26 01:32:55 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032525AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Mar 26 01:29:19 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.793	49	171862	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.968	114	416184	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.895	117	345835	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.387	95	279009	10.324	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.200%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	12189	0.643	ppbv	98
3) Chlorodifluoromethane	1.479	51	12836	0.515	ppbv	98
4) Chloromethane	1.534	50	4615	0.663	ppbv	97
5) Vinyl Chloride	1.583	62	4004	0.617	ppbv	98
6) Bromomethane	1.670	94	2263	0.717	ppbv	99
7) Chloroethane	1.706	64	2098	0.782	ppbv	98
8) Dichlorotetrafluoroethane	1.557	85	9485	0.615	ppbv	99
9) Propene	1.486	41	5118	0.506	ppbv	99
10) Heptane	4.998	43	6554	0.209	ppbv #	71
11) Trichlorofluoromethane	1.881	101	13706	0.723	ppbv	88
12) 1,1,2-Trichlorotrifluo...	2.143	101	10236	0.668	ppbv	99
13) Ethanol	1.725	45	604	0.913	ppbv #	29
14) Bromoethene	1.787	108	3349	0.633	ppbv #	85
15) Acetone	1.842	43	12678	0.792	ppbv	91
16) 1,3-Butadiene	1.612	39	4716	0.635	ppbv	92
17) tert-Butyl alcohol	2.046	59	11660	0.605	ppbv #	93
18) 1,1-Dichloroethene	2.039	96	4594	0.677	ppbv #	76
19) Isopropyl Alcohol	1.890	45	6586	0.725	ppbv #	97
20) Methylene Chloride	2.068	84	5125	0.854	ppbv #	76
21) Allyl Chloride	2.101	41	7271	0.634	ppbv #	84
22) trans-1,2-Dichloroethene	2.347	96	4901	0.611	ppbv	83
23) Vinyl Acetate	2.470	43	5054	0.494	ppbv #	93
24) 1,1-Dichloroethane	2.415	63	9421	0.631	ppbv #	94
25) Ethyl Acetate	2.848	43	25152	0.414	ppbv #	97
26) Hexane	2.829	57	5227	0.215	ppbv #	1
27) Carbon Disulfide	2.156	76	11258	0.635	ppbv #	20
28) Methyl tert-Butyl Ether	2.447	73	6072	0.483	ppbv	93
29) Chloroform	2.855	83	16404	0.495	ppbv	97
30) Cyclohexane	3.871	84	5711	0.294	ppbv	93
31) cis-1,2-Dichloroethene	2.725	61	8856	0.391	ppbv	89
32) 1,1,1-Trichloroethane	3.376	97	13720	0.435	ppbv	97
34) 2-Butanone	2.567	43	15619	0.477	ppbv	100
35) Carbon Tetrachloride	3.771	117	14843	0.511	ppbv #	82
36) Benzene	3.671	78	7684	0.176	ppbv	99
37) 1,2-Dichloroethane	3.227	62	10548	0.434	ppbv #	94
38) Trichloroethene	4.564	130	7416	0.416	ppbv #	67
39) 1,2-Dichloropropane	4.334	63	7187	0.431	ppbv	88
40) 1,4-Dioxane	4.616	88	1199	0.159	ppbv #	17
41) Tetrahydrofuran	3.072	42	6170	0.323	ppbv	97
42) Bromodichloromethane	4.506	83	7814	0.238	ppbv	94
43) Methyl Methacrylate	4.897	69	2658	0.159	ppbv #	3
44) 2,2,4-Trimethylpentane	4.658	57	27834	0.357	ppbv	93
45) t-1,3-Dichloropropene	6.428	75	2460	0.152	ppbv	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032525\
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 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 VSTDICC0.5

Quant Time: Mar 26 01:32:55 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032525AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Mar 26 01:29:19 2025
 Response via : Initial Calibration

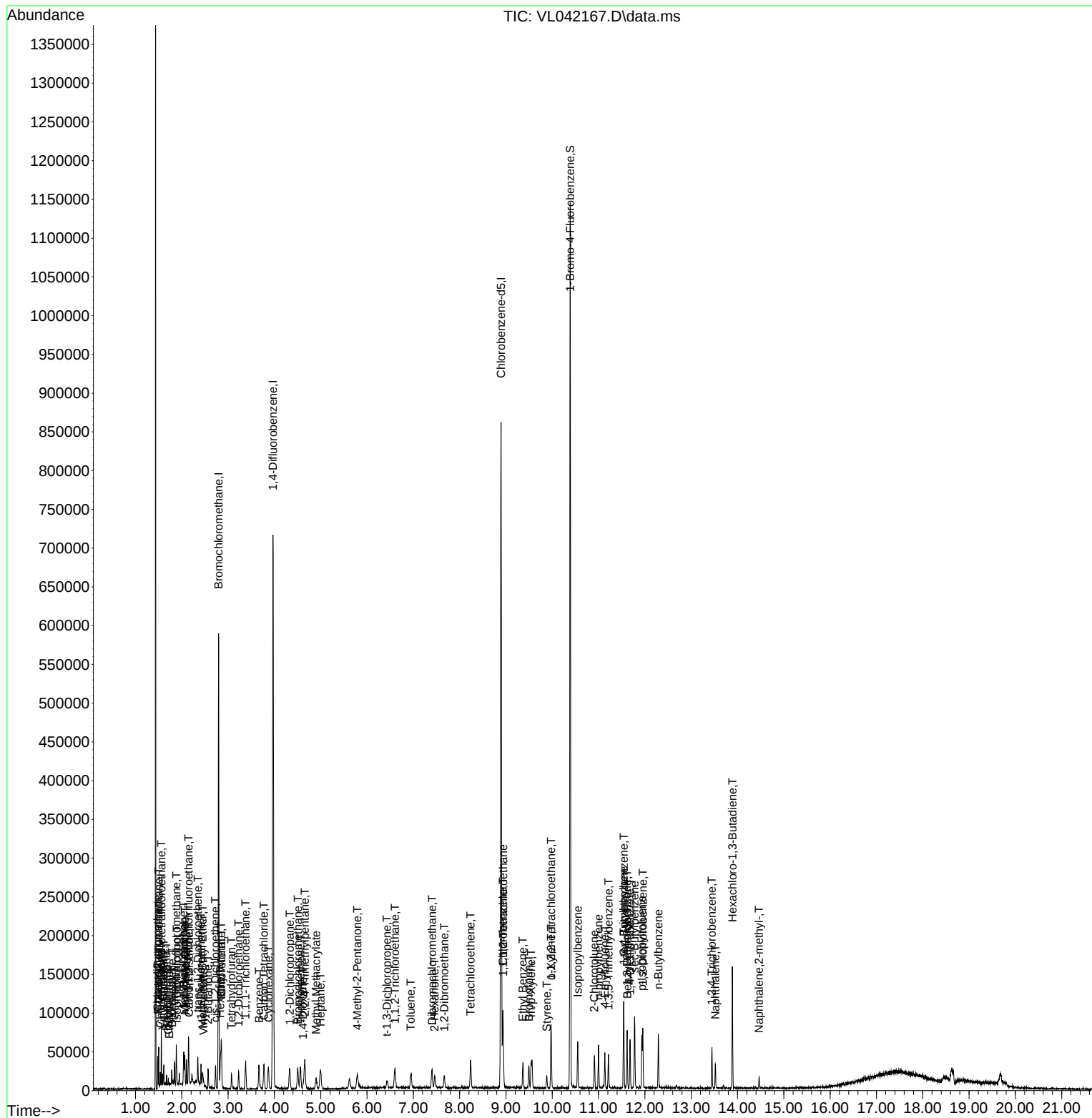
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) 1,1,2-Trichloroethane	6.603	97	8300	0.486	ppbv	95
48) Dibromochloromethane	7.406	129	11252	0.426	ppbv	91
49) Bromoform	9.493	173	9485	0.411	ppbv	98
50) 4-Methyl-2-Pentanone	5.787	43	7932	0.188	ppbv #	49
51) 2-Hexanone	7.457	43	5314	0.186	ppbv #	43
52) Tetrachloroethene	8.234	164	3646	0.245	ppbv	96
53) Toluene	6.943	91	8745	0.182	ppbv #	20
54) 1,2-Dibromoethane	7.671	107	5636	0.248	ppbv	92
56) 1,1,1,2-Tetrachloroethane	8.940	131	4699	0.234	ppbv #	9
57) Chlorobenzene	8.933	112	19487	0.531	ppbv	96
58) Ethyl Benzene	9.361	91	16344	0.258	ppbv	99
59) m/p-Xylene	9.542	91	12932	0.251	ppbv #	100
60) o-Xylene	9.976	91	13955	0.268	ppbv	96
61) Styrene	9.882	104	5460	0.231	ppbv	93
62) Isopropylbenzene	10.548	105	23146	0.298	ppbv	97
63) 1,1,2,2-Tetrachloroethane	9.976	83	17176	0.497	ppbv #	95
64) n-propylbenzene	10.998	120	3809	0.185	ppbv #	12
65) tert-Butylbenzene	11.542	119	18647	0.260	ppbv	93
66) Benzyl Chloride	11.620	91	1904	0.359	ppbv #	86
67) sec-Butylbenzene	11.775	105	30673	0.299	ppbv	98
69) p-Isopropyltoluene	11.934	119	21279	0.259	ppbv #	94
70) n-Butylbenzene	12.290	91	22796	0.270	ppbv	92
71) 2-Chlorotoluene	10.908	91	16451	0.275	ppbv	99
72) 4-Ethyltoluene	11.134	105	16413	0.257	ppbv #	93
73) 1,3,5-Trimethylbenzene	11.212	105	15075	0.272	ppbv	92
74) 1,2,4-Trimethylbenzene	11.545	105	19401	0.307	ppbv	92
75) 1,3-Dichlorobenzene	11.617	146	15915	0.433	ppbv	95
76) 1,4-Dichlorobenzene	11.681	146	14128	0.387	ppbv	95
77) 1,2-Dichlorobenzene	11.956	146	17364	0.482	ppbv	99
78) Hexachloro-1,3-Butadiene	13.889	225	16551	0.582	ppbv	95
79) Naphthalene	13.520	128	14082	0.309	ppbv	99
80) Naphthalene,2-methyl-	14.465	142	3903	0.287	ppbv	88
81) 1,2,4-Trichlorobenzene	13.445	180	8369	0.333	ppbv	98

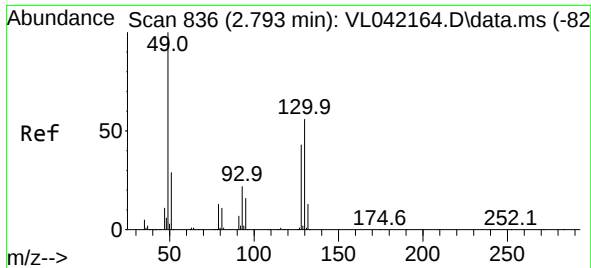
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Instrument :
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Quant Time: Mar 26 01:32:55 2025
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Wed Mar 26 01:29:19 2025
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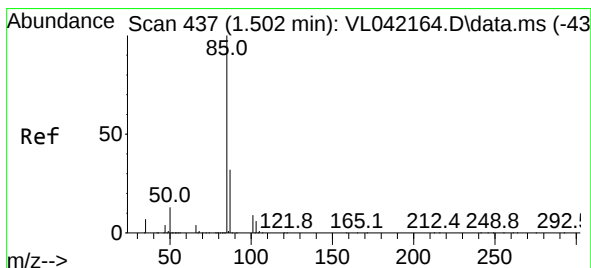
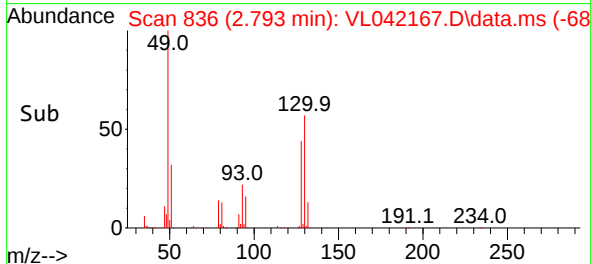
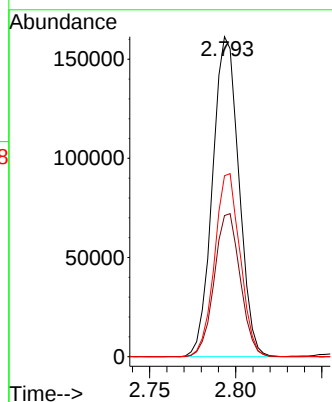
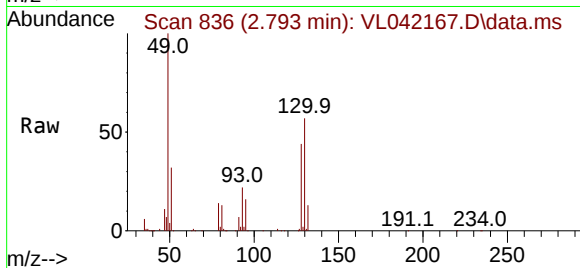




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 2.793 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VL042167.D
 Acq: 25 Mar 2025 10:31

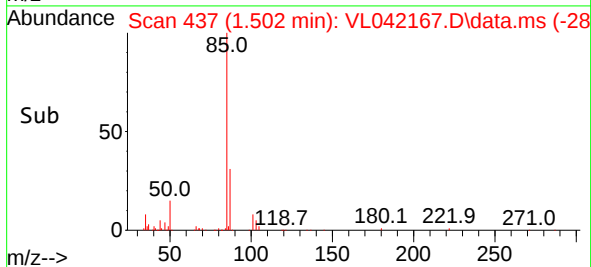
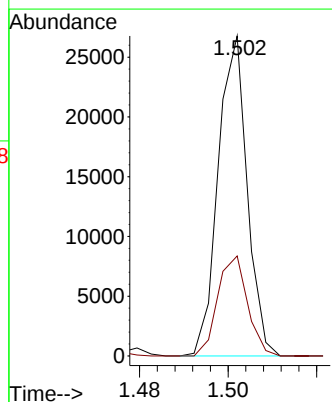
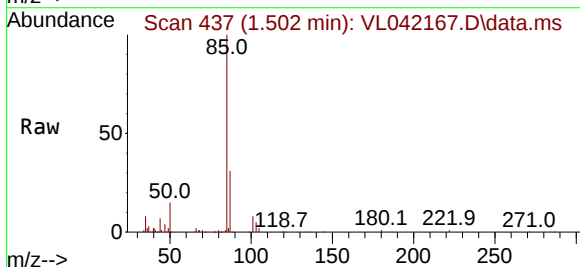
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.5

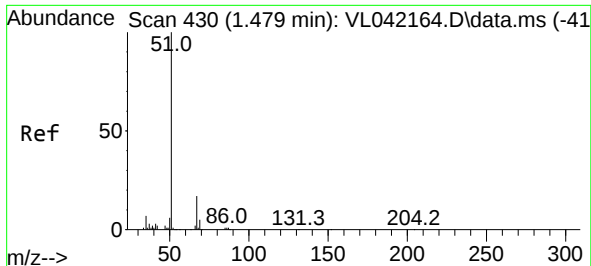
Tgt Ion: 49 Resp: 171862
 Ion Ratio Lower Upper
 49 100
 128 44.1 21.5 64.5
 130 55.5 27.3 81.9



#2
 Dichlorodifluoromethane
 Concen: 0.643 ppbv
 RT: 1.502 min Scan# 437
 Delta R.T. 0.000 min
 Lab File: VL042167.D
 Acq: 25 Mar 2025 10:31

Tgt Ion: 85 Resp: 12189
 Ion Ratio Lower Upper
 85 100
 87 31.3 26.0 39.0

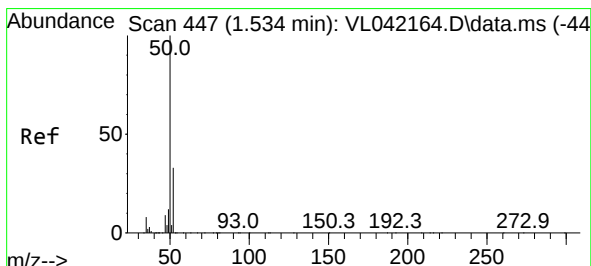
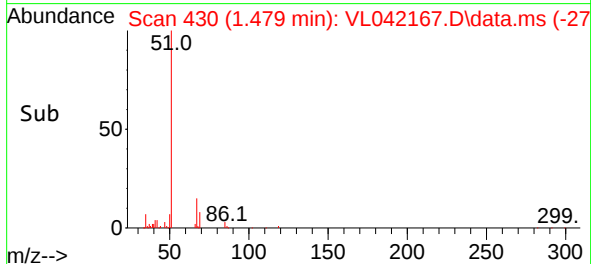
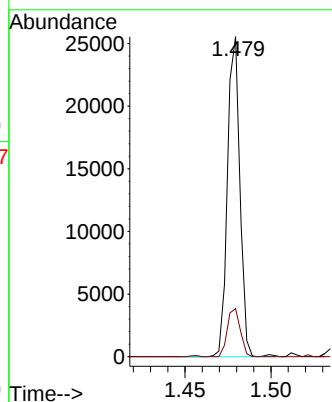
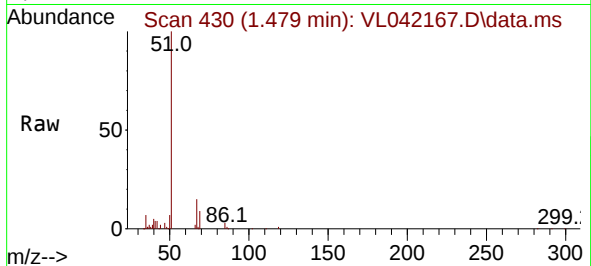




#3
Chlorodifluoromethane
Concen: 0.515 ppbv
RT: 1.479 min Scan# 41
Delta R.T. 0.000 min
Lab File: VL042167.D
Acq: 25 Mar 2025 10:31

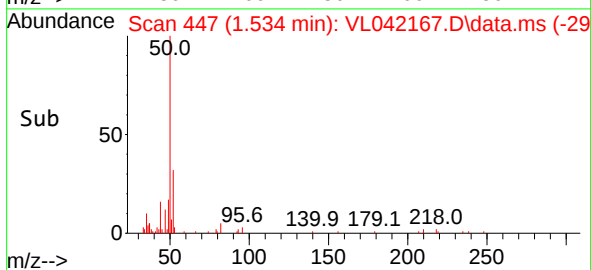
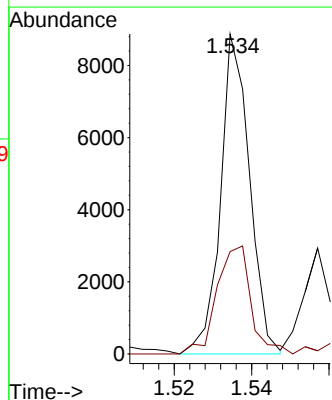
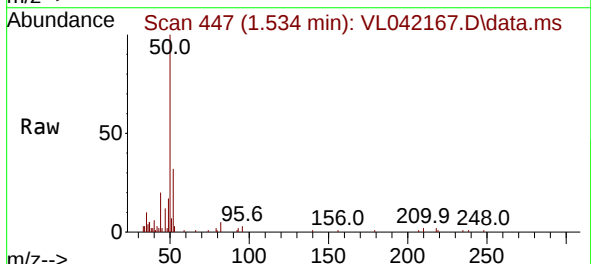
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

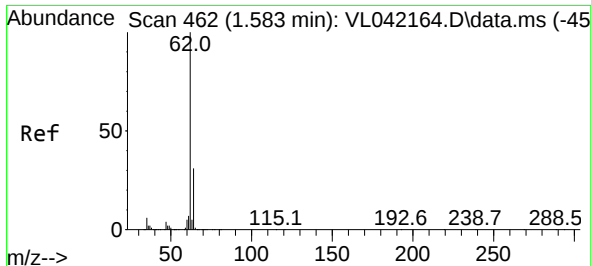
Tgt Ion: 51 Resp: 12836
Ion Ratio Lower Upper
51 100
67 15.9 13.3 19.9



#4
Chloromethane
Concen: 0.663 ppbv
RT: 1.534 min Scan# 447
Delta R.T. 0.000 min
Lab File: VL042167.D
Acq: 25 Mar 2025 10:31

Tgt Ion: 50 Resp: 4615
Ion Ratio Lower Upper
50 100
52 34.6 26.4 39.6

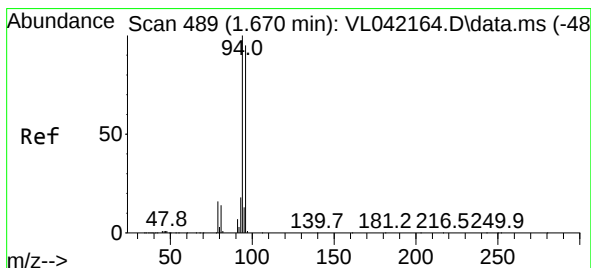
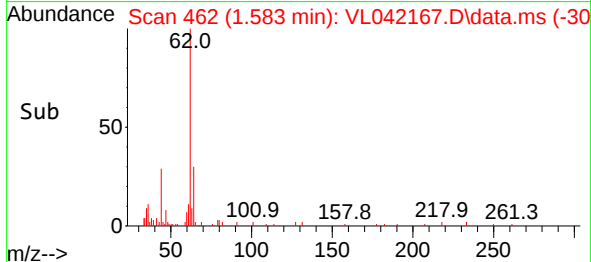
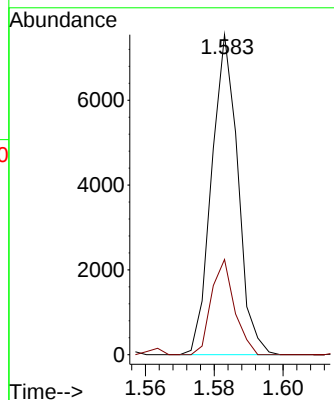
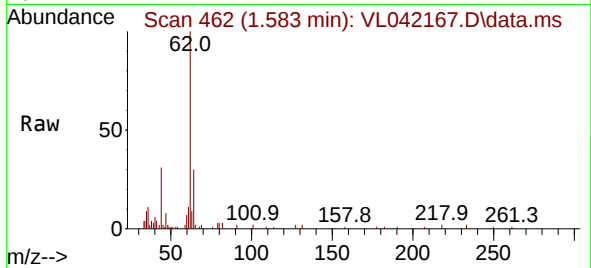




#5
 Vinyl Chloride
 Concen: 0.617 ppbv
 RT: 1.583 min Scan# 462
 Delta R.T. 0.000 min
 Lab File: VL042167.D
 Acq: 25 Mar 2025 10:31

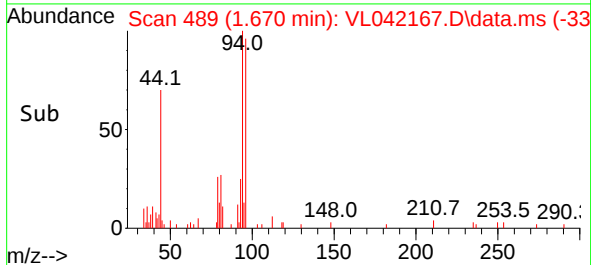
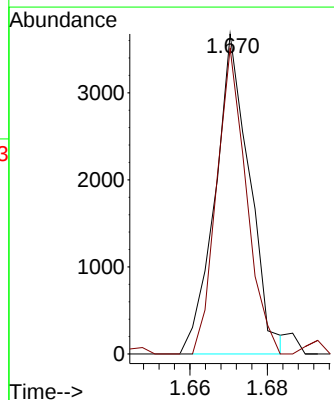
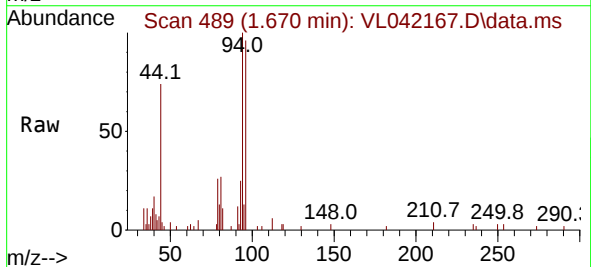
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.5

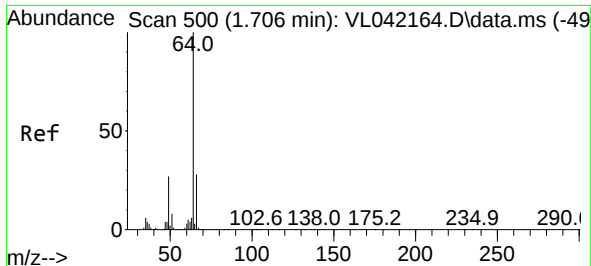
Tgt Ion: 62 Resp: 4004
 Ion Ratio Lower Upper
 62 100
 64 29.8 24.8 37.2



#6
 Bromomethane
 Concen: 0.717 ppbv
 RT: 1.670 min Scan# 489
 Delta R.T. 0.000 min
 Lab File: VL042167.D
 Acq: 25 Mar 2025 10:31

Tgt Ion: 94 Resp: 2263
 Ion Ratio Lower Upper
 94 100
 96 95.5 75.8 113.6

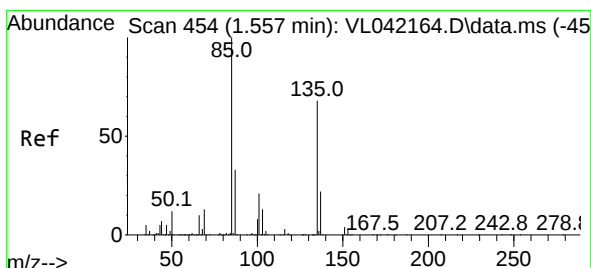
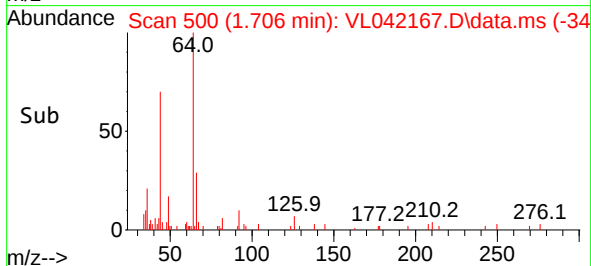
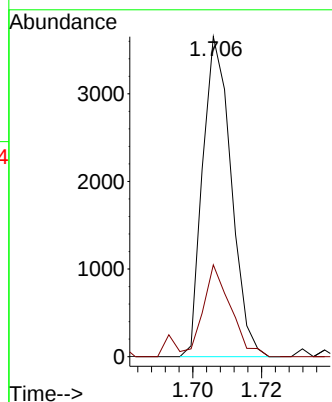
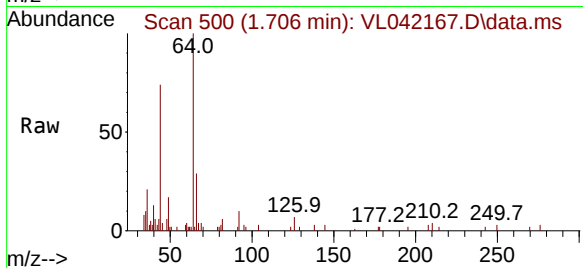




#7
Chloroethane
Concen: 0.782 ppbv
RT: 1.706 min Scan# 500
Delta R.T. 0.000 min
Lab File: VL042167.D
Acq: 25 Mar 2025 10:31

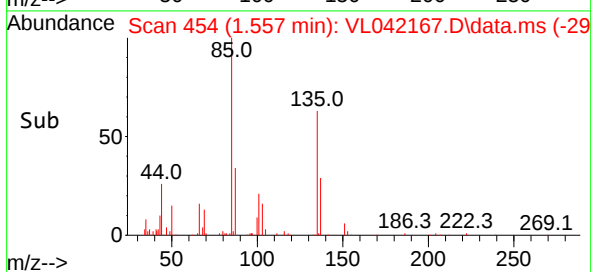
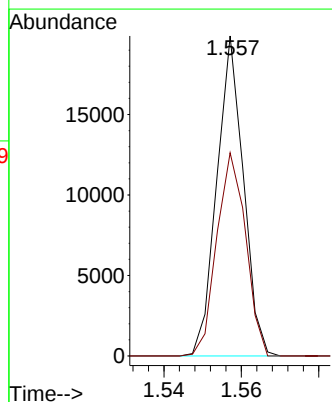
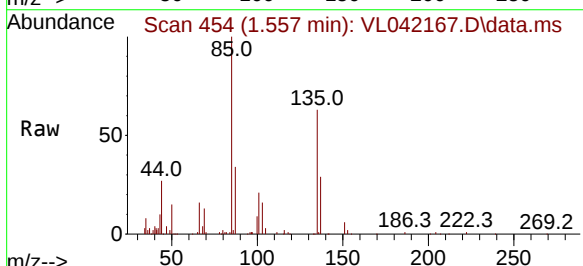
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

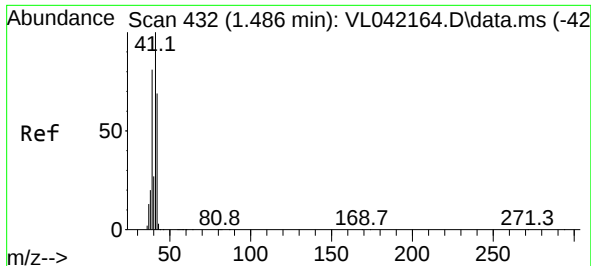
Tgt Ion: 64 Resp: 2098
Ion Ratio Lower Upper
64 100
66 28.7 22.2 33.4



#8
Dichlorotetrafluoroethane
Concen: 0.615 ppbv
RT: 1.557 min Scan# 454
Delta R.T. 0.000 min
Lab File: VL042167.D
Acq: 25 Mar 2025 10:31

Tgt Ion: 85 Resp: 9485
Ion Ratio Lower Upper
85 100
135 68.9 54.3 81.5





#9

Propene

Concen: 0.506 ppbv

RT: 1.486 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL042167.D

Acq: 25 Mar 2025 10:31

Instrument :

MSVOA_L

ClientSampleId :

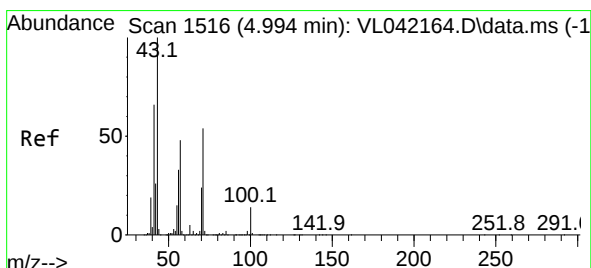
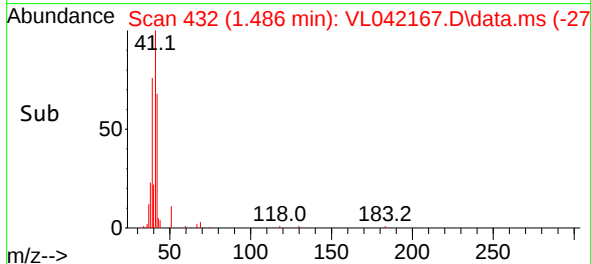
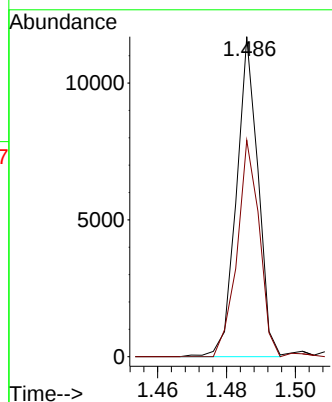
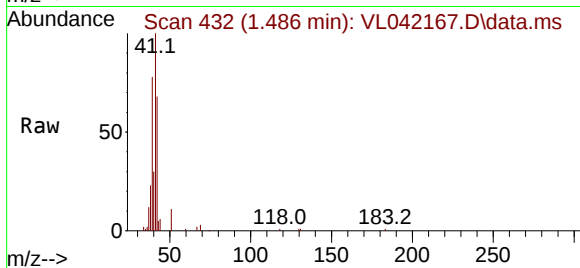
VSTDIC0.5

Tgt Ion: 41 Resp: 5118

Ion Ratio Lower Upper

41 100

42 70.4 55.9 83.9



#10

Heptane

Concen: 0.209 ppbv

RT: 4.998 min Scan# 1517

Delta R.T. 0.003 min

Lab File: VL042167.D

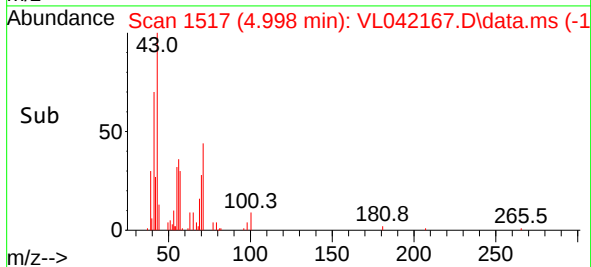
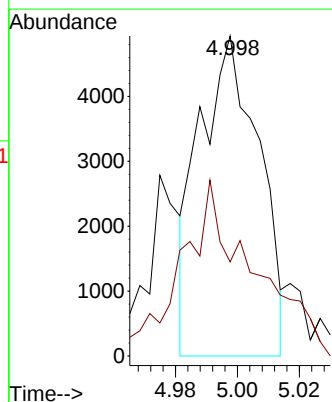
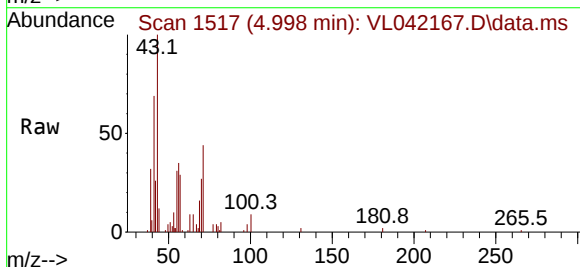
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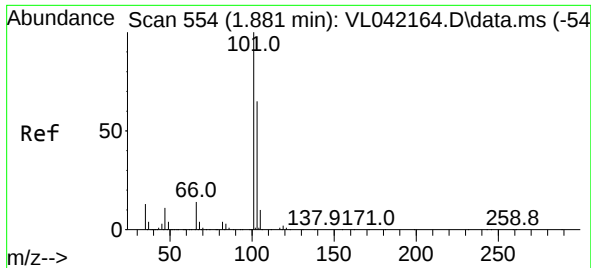
Tgt Ion: 43 Resp: 6554

Ion Ratio Lower Upper

43 100

57 67.4 38.3 57.5#

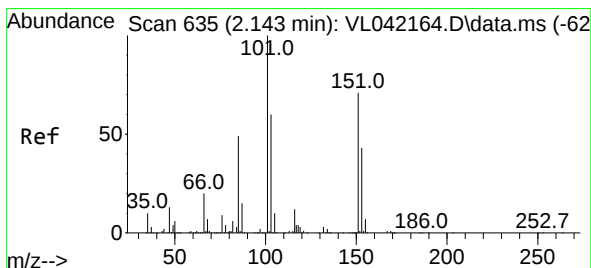
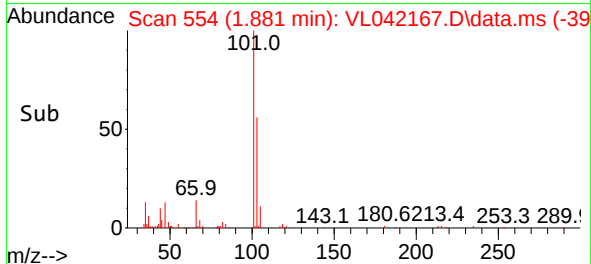
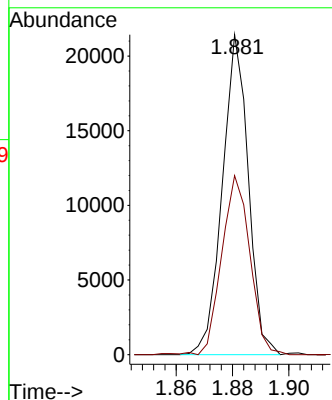
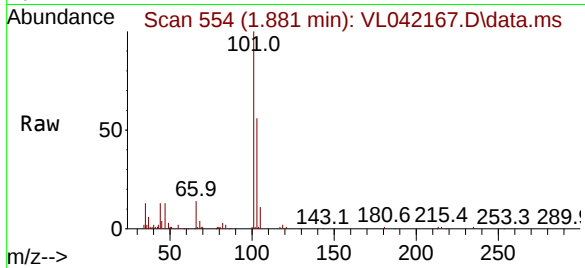




#11
 Trichlorofluoromethane
 Concen: 0.723 ppbv
 RT: 1.881 min Scan# 511
 Delta R.T. 0.000 min
 Lab File: VL042167.D
 Acq: 25 Mar 2025 10:31

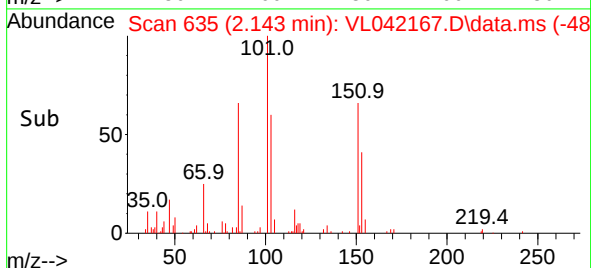
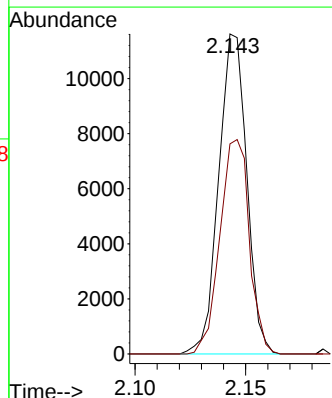
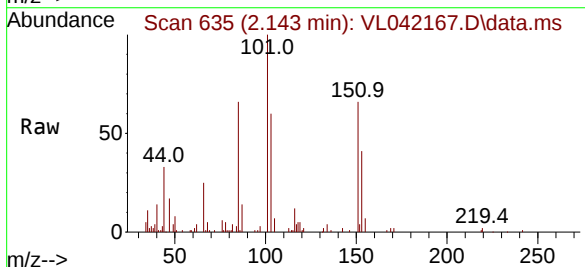
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

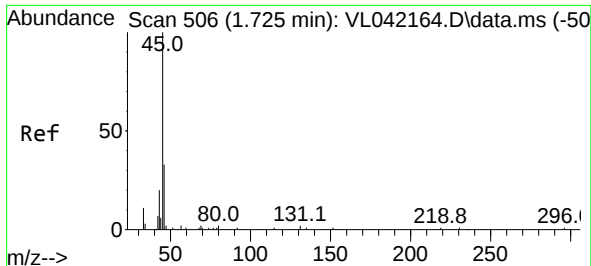
Tgt Ion:101 Resp: 13706
 Ion Ratio Lower Upper
 101 100
 103 55.7 51.9 77.9



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.668 ppbv
 RT: 2.143 min Scan# 635
 Delta R.T. 0.000 min
 Lab File: VL042167.D
 Acq: 25 Mar 2025 10:31

Tgt Ion:101 Resp: 10236
 Ion Ratio Lower Upper
 101 100
 151 70.2 57.0 85.4

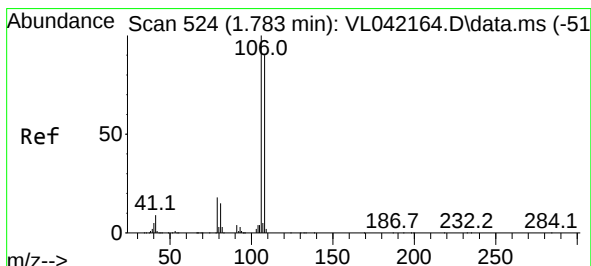
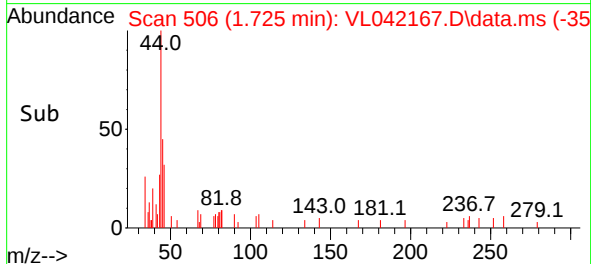
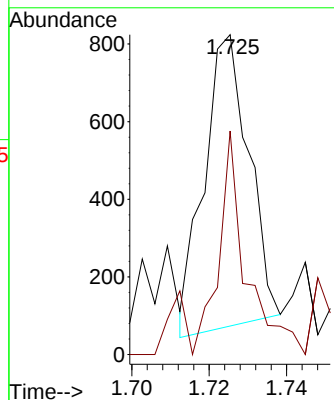
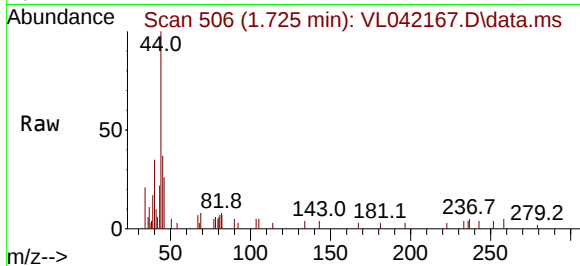




#13
 Ethanol
 Concen: 0.913 ppbv
 RT: 1.725 min Scan# 506
 Delta R.T. 0.000 min
 Lab File: VL042167.D
 Acq: 25 Mar 2025 10:31

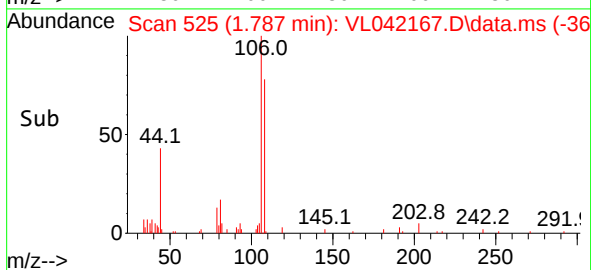
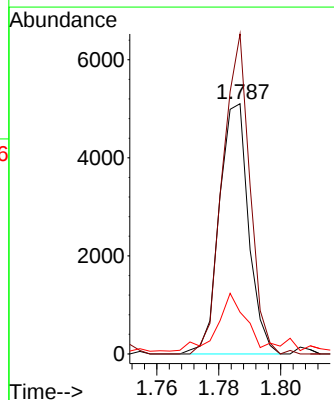
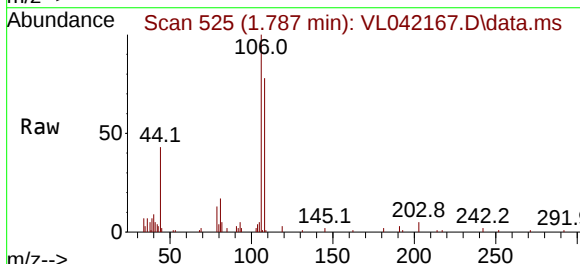
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.5

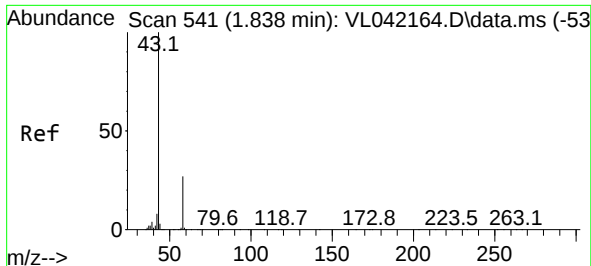
Tgt Ion: 45 Resp: 604
 Ion Ratio Lower Upper
 45 100
 46 84.8 16.3 65.1#



#14
 Bromoethene
 Concen: 0.633 ppbv
 RT: 1.787 min Scan# 525
 Delta R.T. 0.003 min
 Lab File: VL042167.D
 Acq: 25 Mar 2025 10:31

Tgt Ion: 108 Resp: 3349
 Ion Ratio Lower Upper
 108 100
 106 121.0 85.8 128.8
 79 30.5 15.5 23.3#

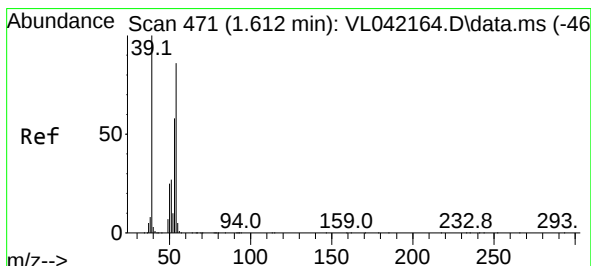
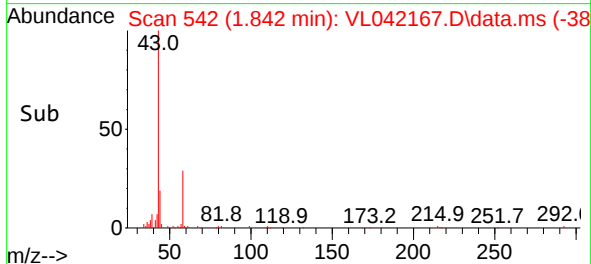
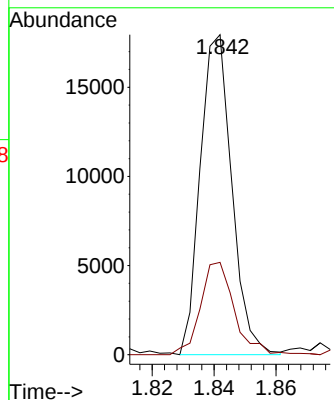
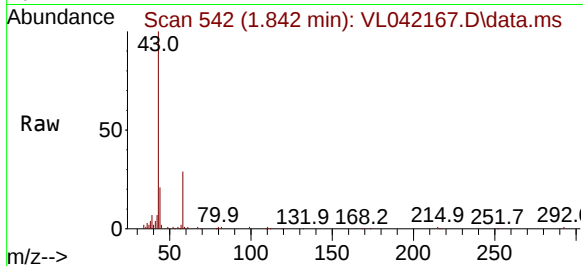




#15
Acetone
Concen: 0.792 ppbv
RT: 1.842 min Scan# 541
Delta R.T. 0.003 min
Lab File: VL042167.D
Acq: 25 Mar 2025 10:31

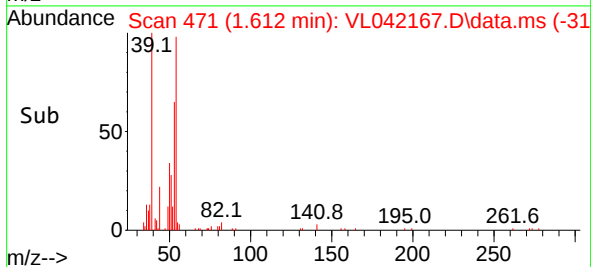
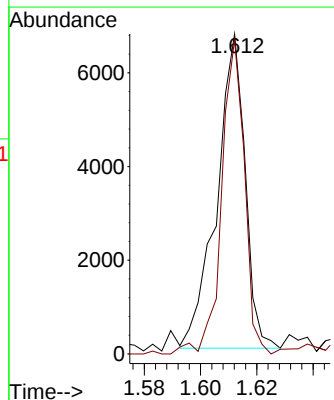
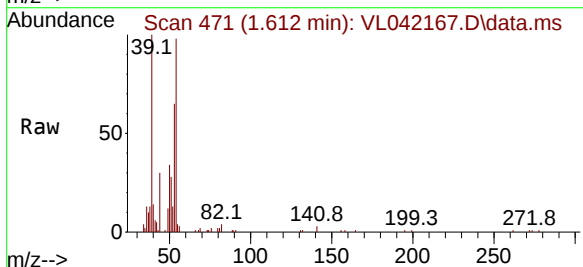
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

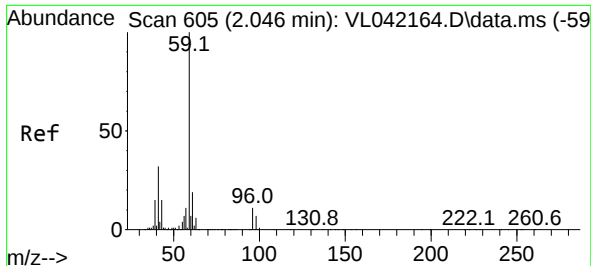
Tgt Ion: 43 Resp: 12678
Ion Ratio Lower Upper
43 100
58 30.9 20.9 31.3



#16
1,3-Butadiene
Concen: 0.635 ppbv
RT: 1.612 min Scan# 471
Delta R.T. 0.000 min
Lab File: VL042167.D
Acq: 25 Mar 2025 10:31

Tgt Ion: 39 Resp: 4716
Ion Ratio Lower Upper
39 100
54 81.9 60.0 90.0





#17

tert-Butyl alcohol

Concen: 0.605 ppbv

RT: 2.046 min Scan# 605

Delta R.T. 0.000 min

Lab File: VL042167.D

Acq: 25 Mar 2025 10:31

Instrument :

MSVOA_1

ClientSampleId :

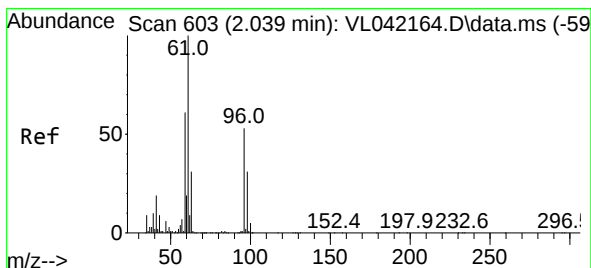
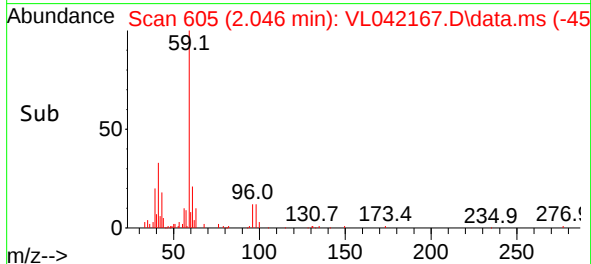
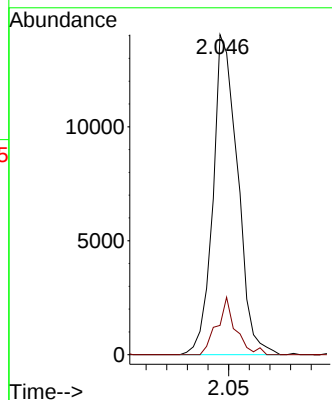
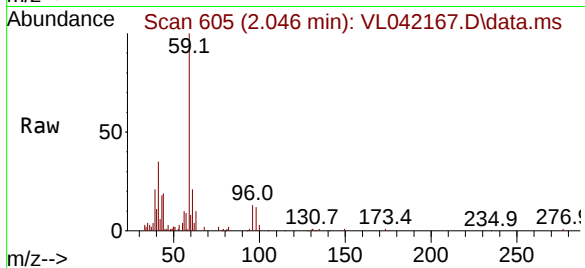
VSTDIC0.5

Tgt Ion: 59 Resp: 11660

Ion Ratio Lower Upper

59 100

57 13.6 8.9 13.3#



#18

1,1-Dichloroethene

Concen: 0.677 ppbv

RT: 2.039 min Scan# 603

Delta R.T. 0.000 min

Lab File: VL042167.D

Acq: 25 Mar 2025 10:31

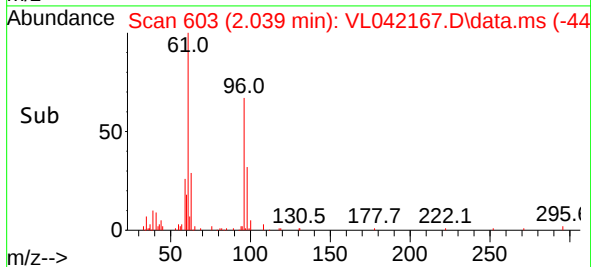
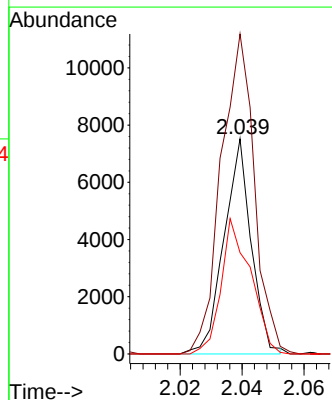
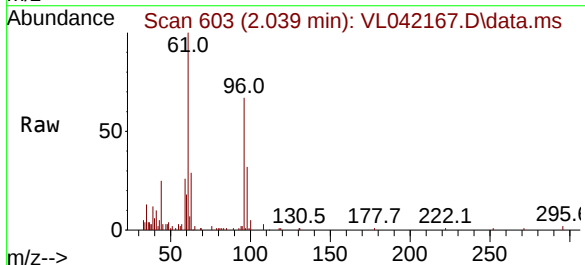
Tgt Ion: 96 Resp: 4594

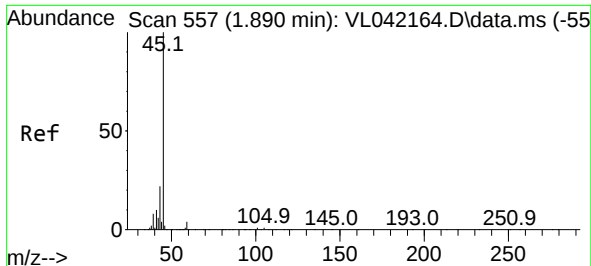
Ion Ratio Lower Upper

96 100

61 148.7 150.0 225.0#

98 47.0 45.7 68.5

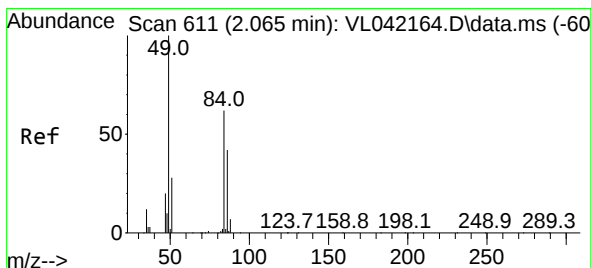
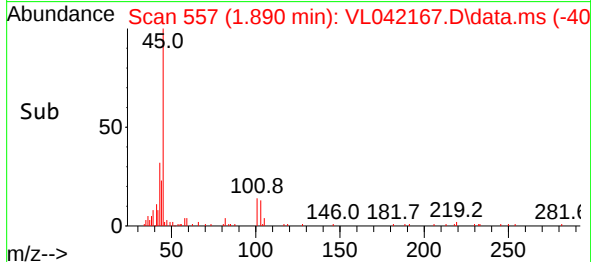
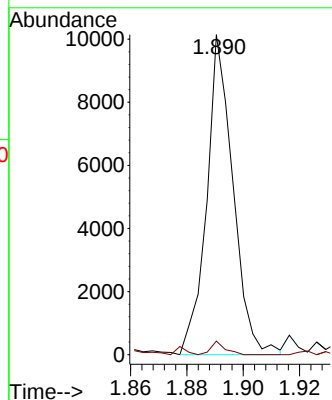
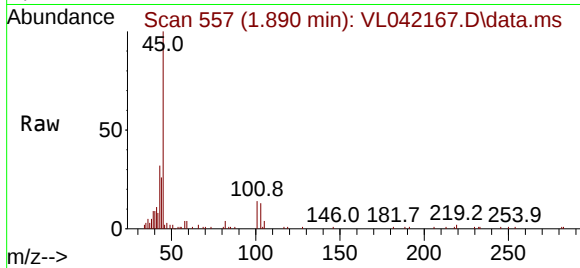




#19
Isopropyl Alcohol
Concen: 0.725 ppbv
RT: 1.890 min Scan# 51
Delta R.T. 0.000 min
Lab File: VL042167.D
Acq: 25 Mar 2025 10:31

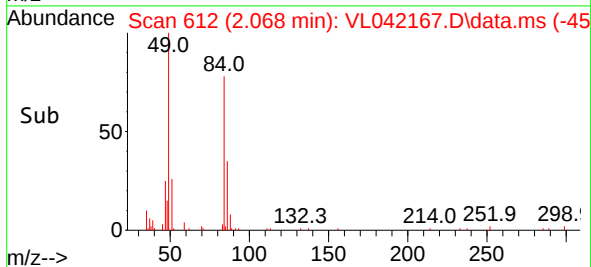
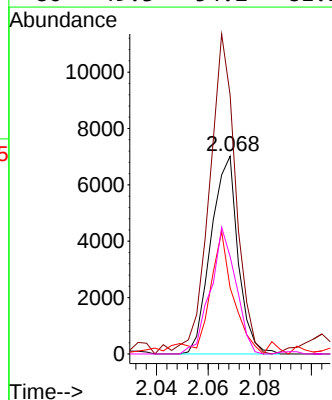
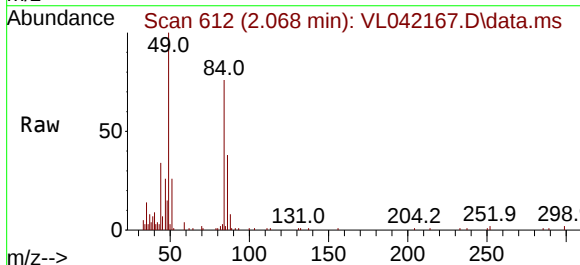
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

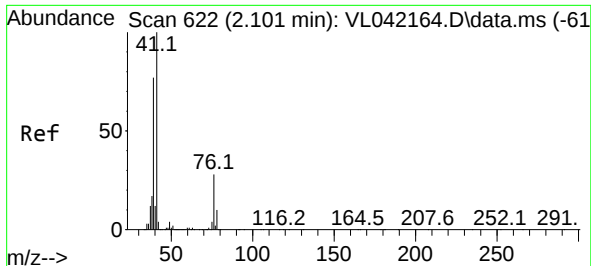
Tgt Ion: 45 Resp: 6586
Ion Ratio Lower Upper
45 100
58 3.4 1.8 2.8#



#20
Methylene Chloride
Concen: 0.854 ppbv
RT: 2.068 min Scan# 612
Delta R.T. 0.003 min
Lab File: VL042167.D
Acq: 25 Mar 2025 10:31

Tgt Ion: 84 Resp: 5125
Ion Ratio Lower Upper
84 100
49 129.9 129.4 194.0
51 31.0 38.2 57.2#
86 49.3 54.2 81.2#

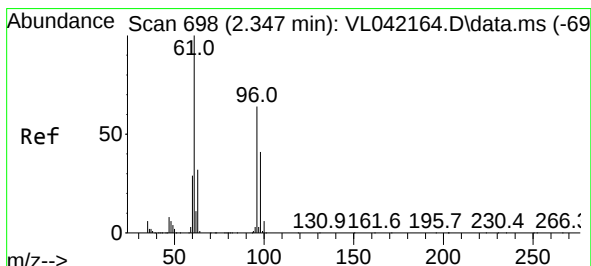
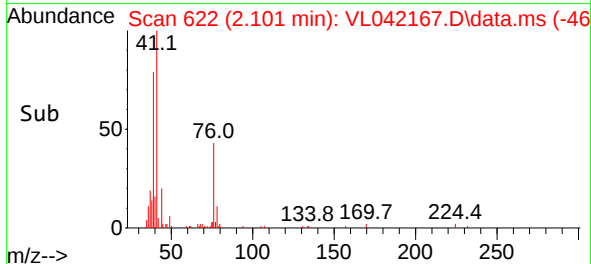
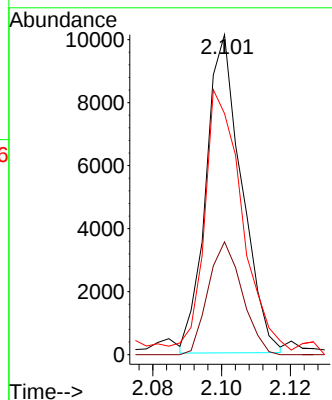
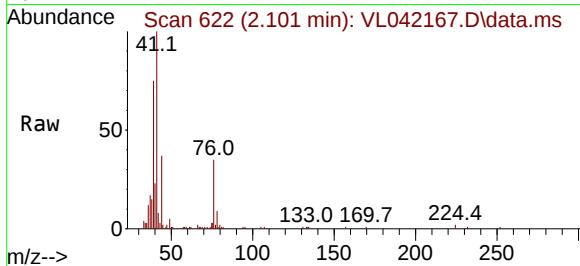




#21
 Allyl Chloride
 Concen: 0.634 ppbv
 RT: 2.101 min Scan# 61
 Delta R.T. 0.000 min
 Lab File: VL042167.D
 Acq: 25 Mar 2025 10:31

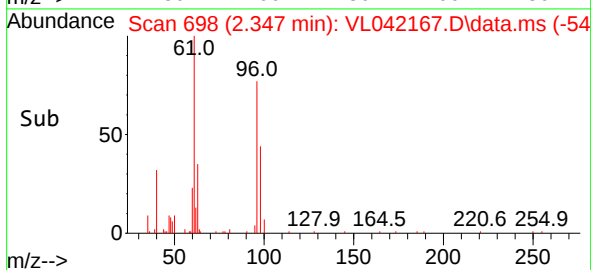
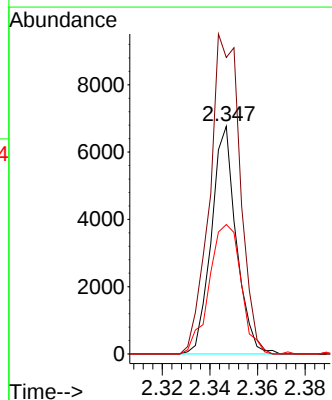
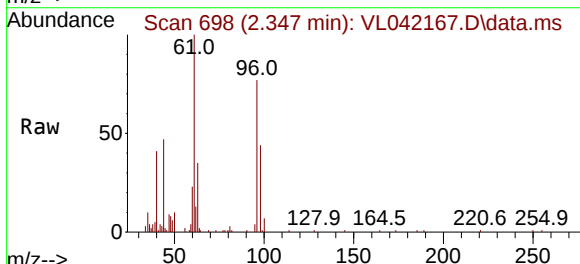
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.5

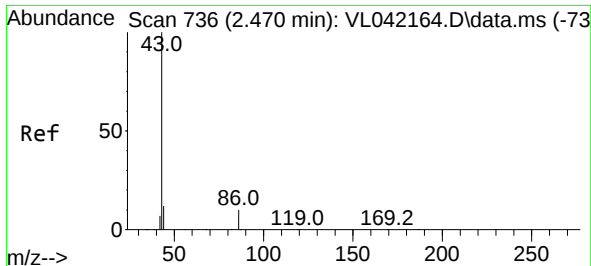
Tgt Ion: 41 Resp: 7271
 Ion Ratio Lower Upper
 41 100
 76 33.8 22.2 33.4#
 39 91.7 61.4 92.2



#22
 trans-1,2-Dichloroethene
 Concen: 0.611 ppbv
 RT: 2.347 min Scan# 698
 Delta R.T. 0.000 min
 Lab File: VL042167.D
 Acq: 25 Mar 2025 10:31

Tgt Ion: 96 Resp: 4901
 Ion Ratio Lower Upper
 96 100
 61 130.2 125.8 188.8
 98 56.9 51.4 77.2

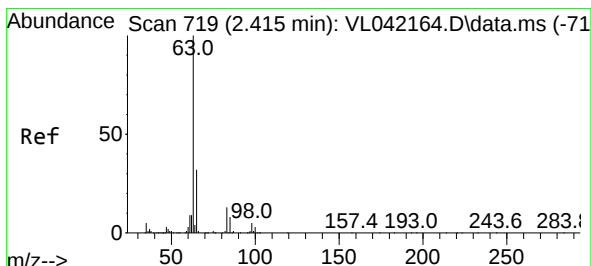
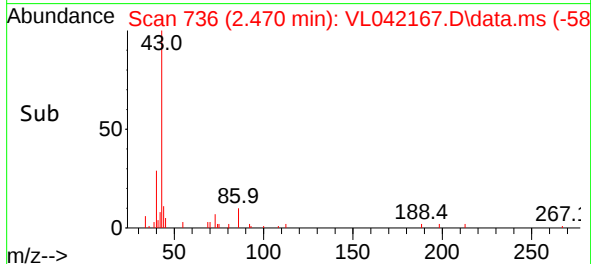
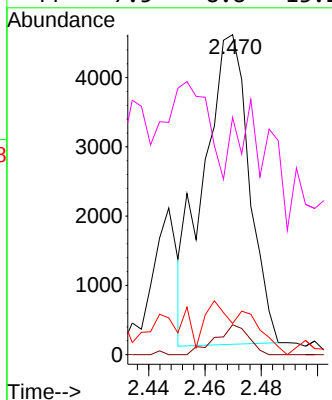
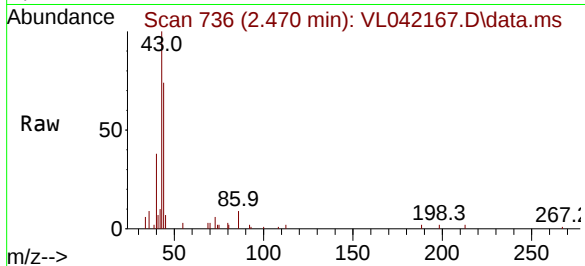




#23
 Vinyl Acetate
 Concen: 0.494 ppbv
 RT: 2.470 min Scan# 719
 Delta R.T. 0.000 min
 Lab File: VL042167.D
 Acq: 25 Mar 2025 10:31

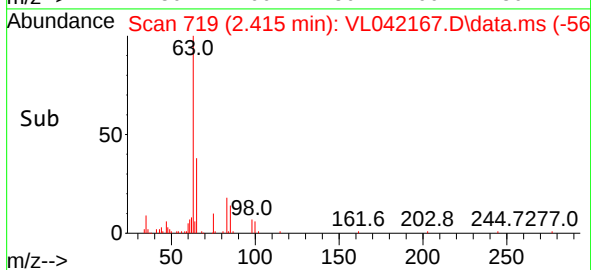
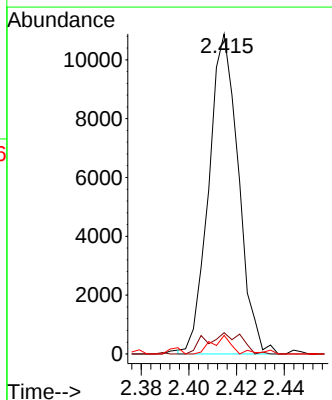
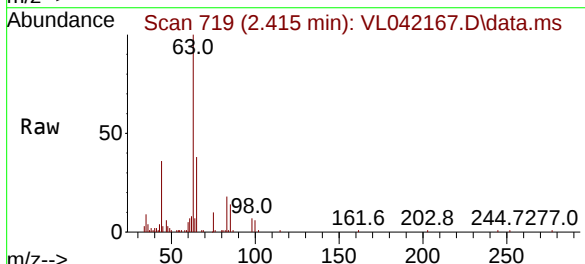
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

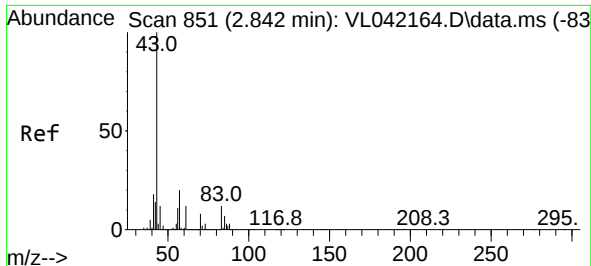
Tgt Ion:	43	Resp:	5054
Ion	Ratio	Lower	Upper
43	100		
86	9.7	6.7	10.1
42	7.5	8.5	12.7#
44	7.5	8.8	13.2#



#24
 1,1-Dichloroethane
 Concen: 0.631 ppbv
 RT: 2.415 min Scan# 719
 Delta R.T. 0.000 min
 Lab File: VL042167.D
 Acq: 25 Mar 2025 10:31

Tgt Ion:	63	Resp:	9421
Ion	Ratio	Lower	Upper
63	100		
98	6.7	2.6	7.8
100	5.8	1.4	4.0#

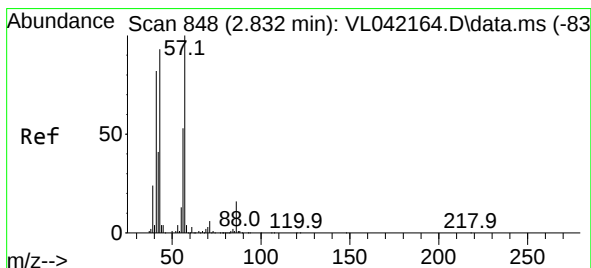
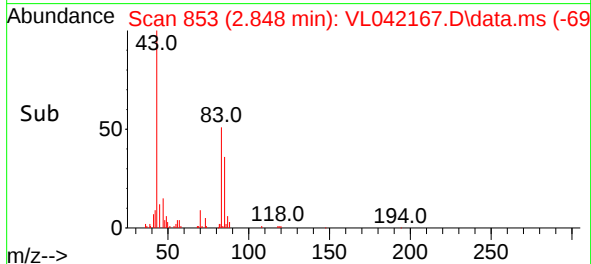
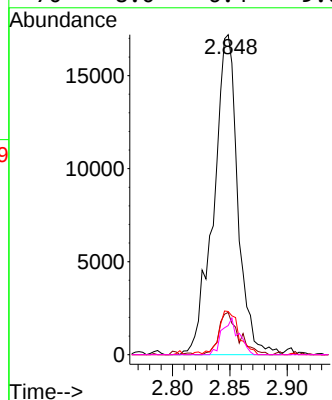
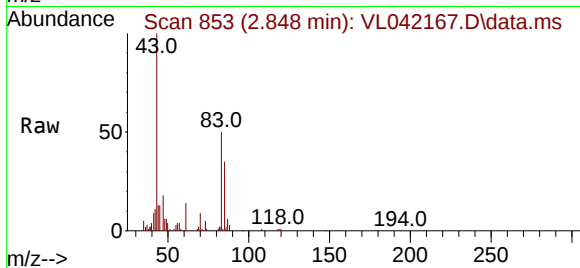




#25
Ethyl Acetate
Concen: 0.414 ppbv
RT: 2.848 min Scan# 81
Delta R.T. 0.007 min
Lab File: VL042167.D
Acq: 25 Mar 2025 10:31

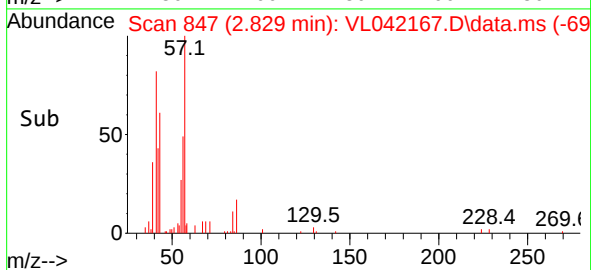
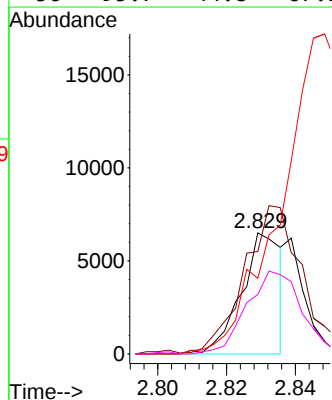
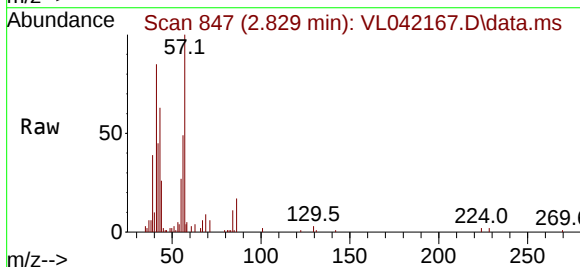
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

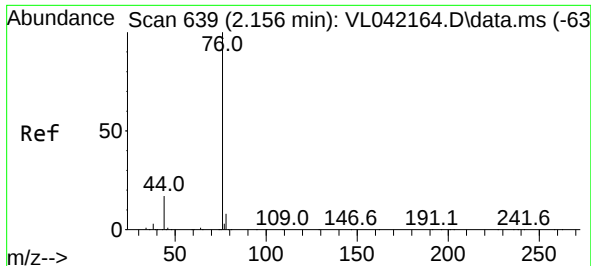
Tgt	Ion: 43	Resp:	25152
Ion	Ratio	Lower	Upper
43	100		
45	10.9	8.4	12.6
61	11.6	7.3	10.9#
70	8.0	6.4	9.6



#26
Hexane
Concen: 0.215 ppbv
RT: 2.829 min Scan# 847
Delta R.T. -0.003 min
Lab File: VL042167.D
Acq: 25 Mar 2025 10:31

Tgt Ion: 57	Resp: 5227
Ion Ratio	Lower Upper
57 100	
41 182.9	73.9 110.9#
43 0.0	210.0 315.0#
56 95.7	44.8 67.2#





#27

Carbon Disulfide

Concen: 0.635 ppbv

RT: 2.156 min Scan# 61

Delta R.T. 0.000 min

Lab File: VL042167.D

Acq: 25 Mar 2025 10:31

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.5

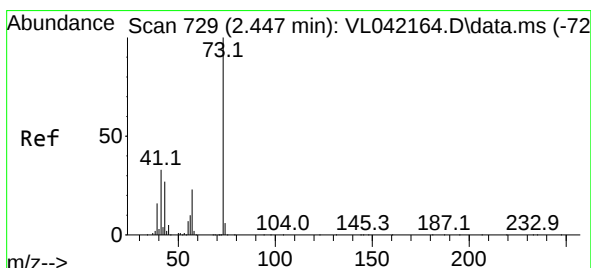
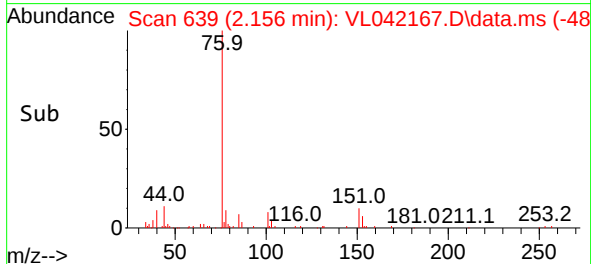
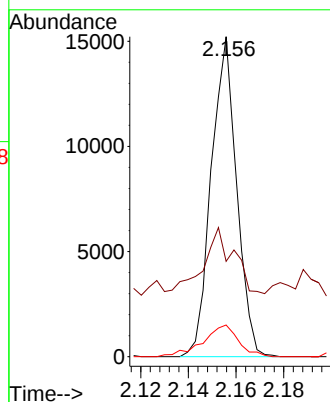
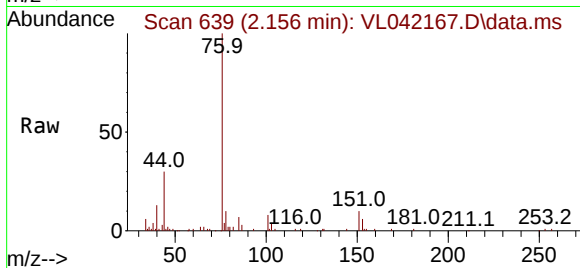
Tgt Ion: 76 Resp: 11258

Ion Ratio Lower Upper

76 100

44 77.6 17.0 25.4#

78 13.8 9.0 13.6#



#28

Methyl tert-Butyl Ether

Concen: 0.483 ppbv

RT: 2.447 min Scan# 729

Delta R.T. 0.000 min

Lab File: VL042167.D

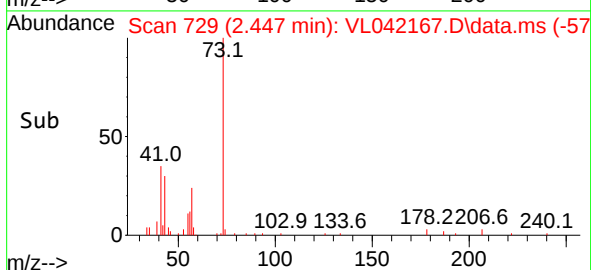
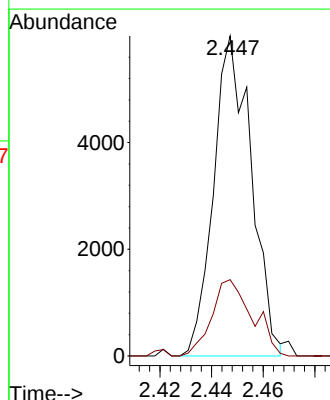
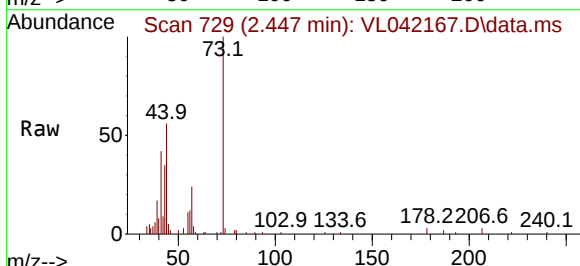
Acq: 25 Mar 2025 10:31

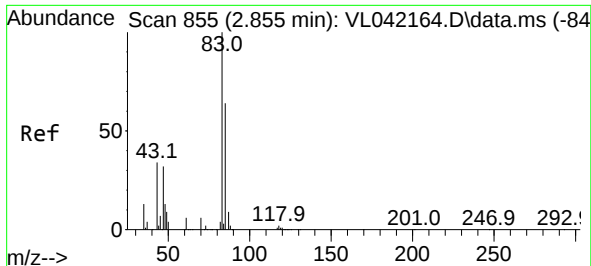
Tgt Ion: 73 Resp: 6072

Ion Ratio Lower Upper

73 100

57 26.5 18.6 28.0





#29

Chloroform

Concen: 0.495 ppbv

RT: 2.855 min Scan# 855

Delta R.T. 0.000 min

Lab File: VL042167.D

Acq: 25 Mar 2025 10:31

Instrument :

MSVOA_L

ClientSampleId :

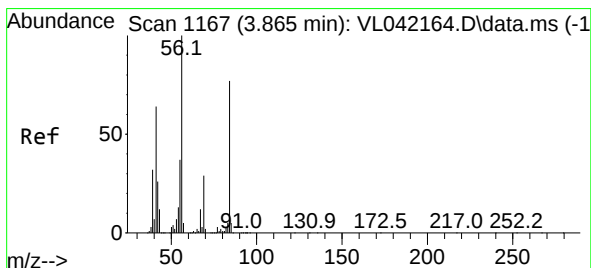
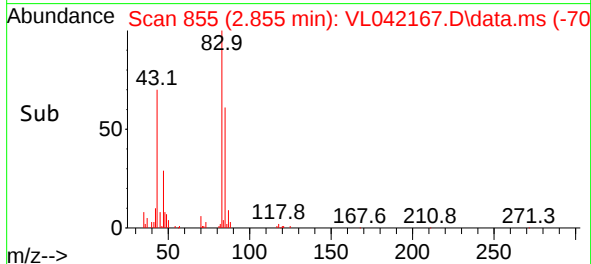
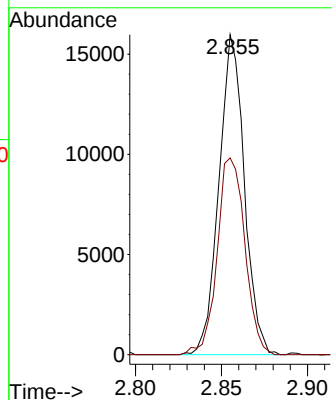
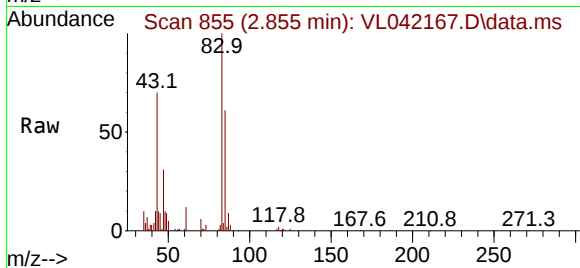
VSTDIC0.5

Tgt Ion: 83 Resp: 16404

Ion Ratio Lower Upper

83 100

85 61.5 51.4 77.0



#30

Cyclohexane

Concen: 0.294 ppbv

RT: 3.871 min Scan# 1169

Delta R.T. 0.007 min

Lab File: VL042167.D

Acq: 25 Mar 2025 10:31

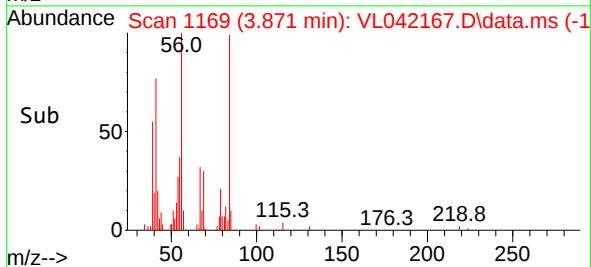
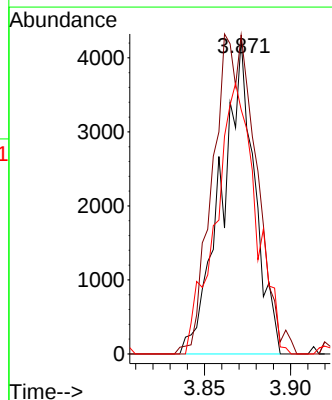
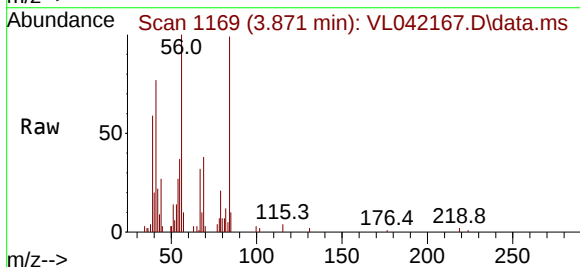
Tgt Ion: 84 Resp: 5711

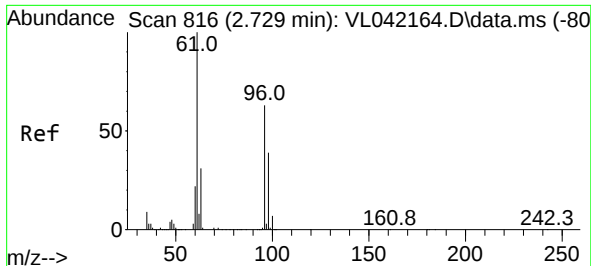
Ion Ratio Lower Upper

84 100

56 133.4 107.0 160.6

41 104.2 69.9 104.9

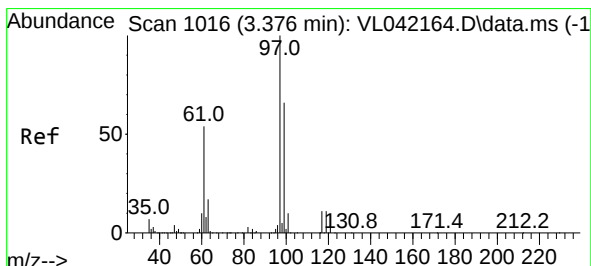
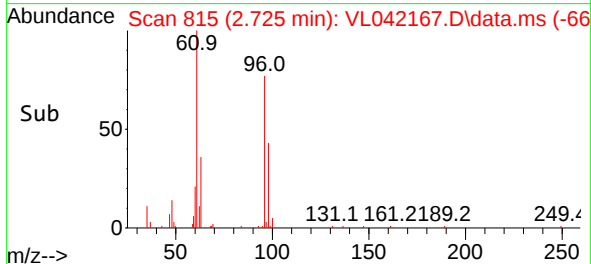
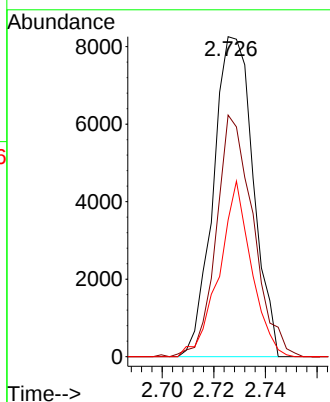
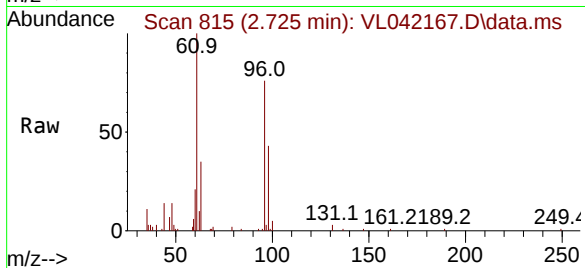




#31
 cis-1,2-Dichloroethene
 Concen: 0.391 ppbv
 RT: 2.725 min Scan# 816
 Delta R.T. -0.003 min
 Lab File: VL042167.D
 Acq: 25 Mar 2025 10:31

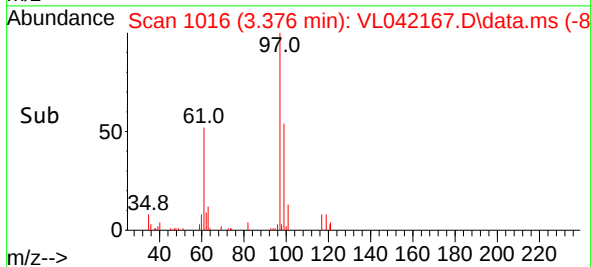
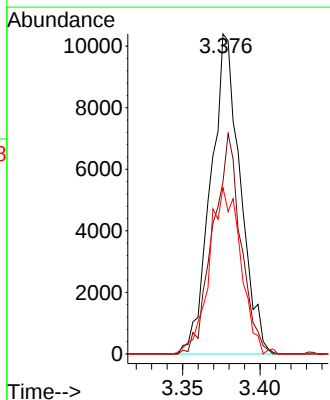
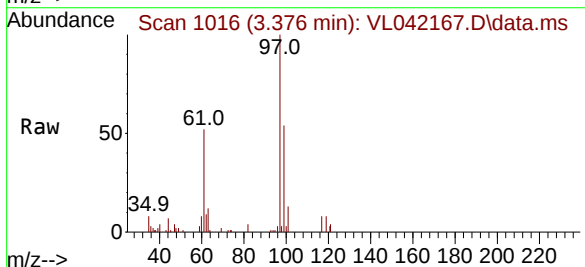
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.5

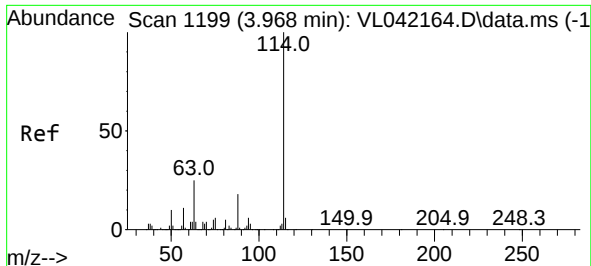
Tgt Ion: 61 Resp: 8856
 Ion Ratio Lower Upper
 61 100
 96 74.6 50.7 76.1
 98 42.7 31.4 47.0



#32
 1,1,1-Trichloroethane
 Concen: 0.435 ppbv
 RT: 3.376 min Scan# 1016
 Delta R.T. 0.000 min
 Lab File: VL042167.D
 Acq: 25 Mar 2025 10:31

Tgt Ion: 97 Resp: 13720
 Ion Ratio Lower Upper
 97 100
 99 65.1 50.6 75.8
 61 56.0 42.1 63.1





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.968 min Scan# 1199

Delta R.T. 0.000 min

Lab File: VL042167.D

Acq: 25 Mar 2025 10:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

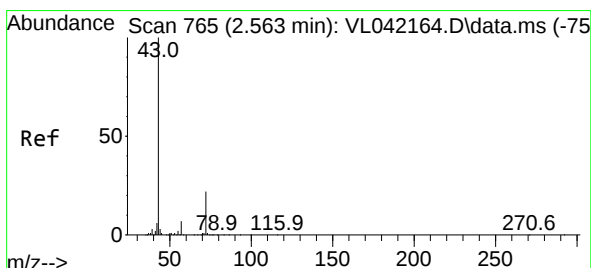
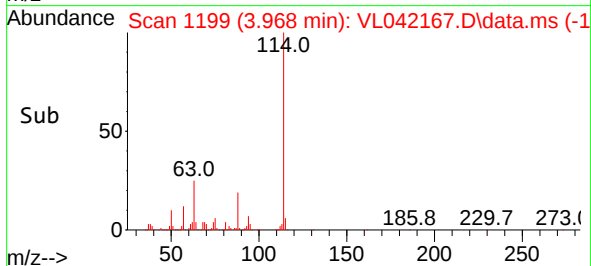
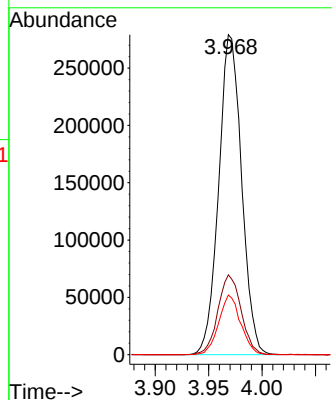
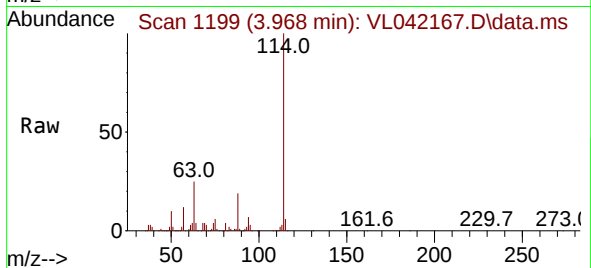
Tgt Ion:114 Resp: 416184

Ion Ratio Lower Upper

114 100

63 25.3 20.1 30.1

88 17.8 14.2 21.2



#34

2-Butanone

Concen: 0.477 ppbv

RT: 2.567 min Scan# 766

Delta R.T. 0.003 min

Lab File: VL042167.D

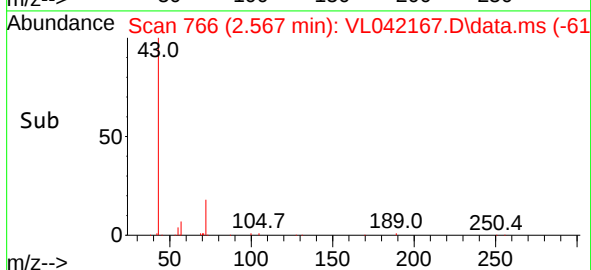
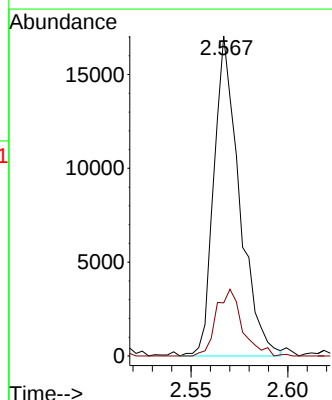
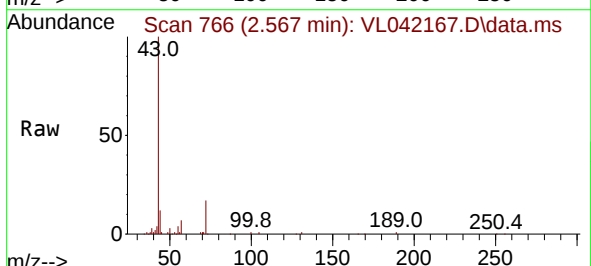
Acq: 25 Mar 2025 10:31

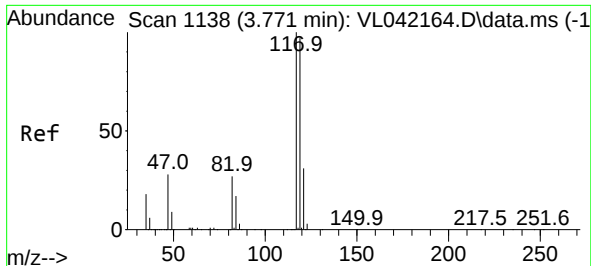
Tgt Ion: 43 Resp: 15619

Ion Ratio Lower Upper

43 100

72 21.3 17.2 25.8

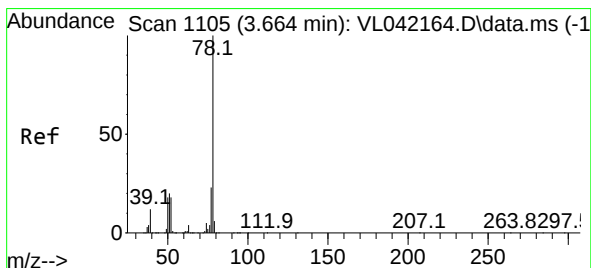
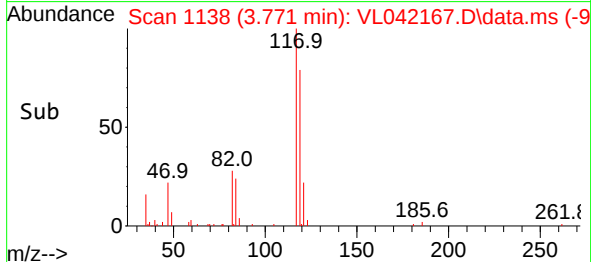
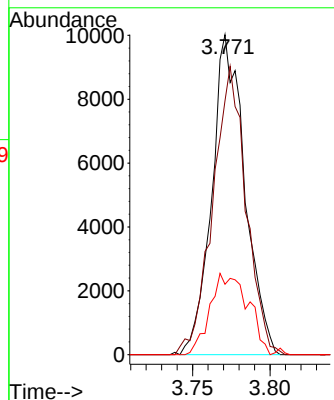
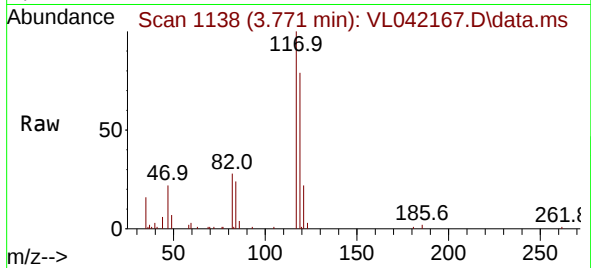




#35
Carbon Tetrachloride
Concen: 0.511 ppbv
RT: 3.771 min Scan# 1138
Delta R.T. 0.000 min
Lab File: VL042167.D
Acq: 25 Mar 2025 10:31

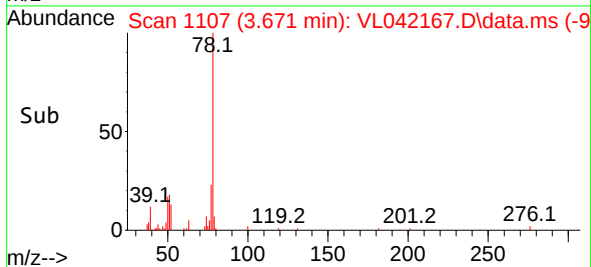
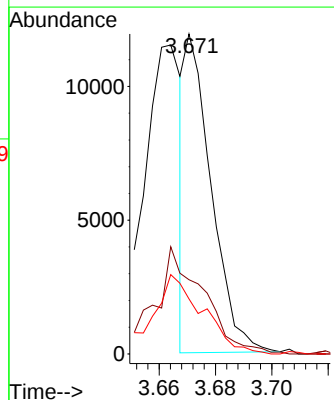
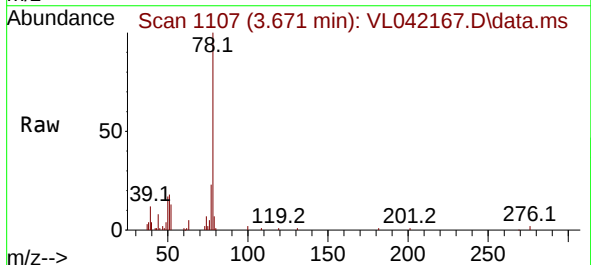
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

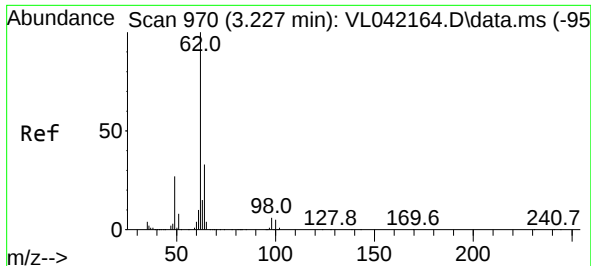
Tgt Ion:117 Resp: 14843
Ion Ratio Lower Upper
117 100
119 78.3 77.5 116.3
121 22.0 24.5 36.7#



#36
Benzene
Concen: 0.176 ppbv
RT: 3.671 min Scan# 1107
Delta R.T. 0.007 min
Lab File: VL042167.D
Acq: 25 Mar 2025 10:31

Tgt Ion: 78 Resp: 7684
Ion Ratio Lower Upper
78 100
77 22.8 18.4 27.6
50 17.3 14.2 21.4

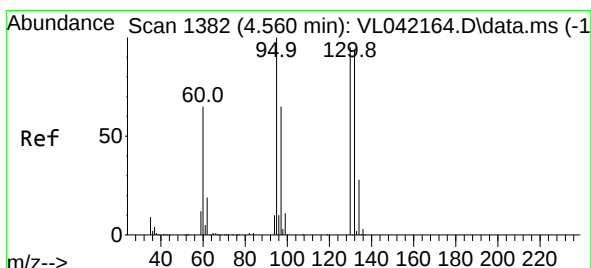
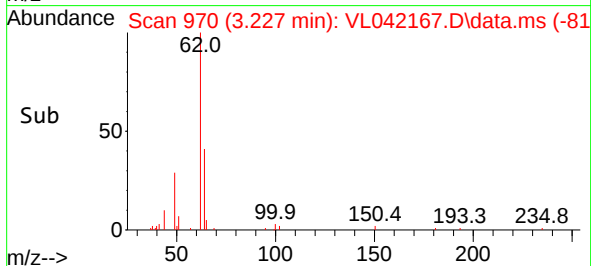
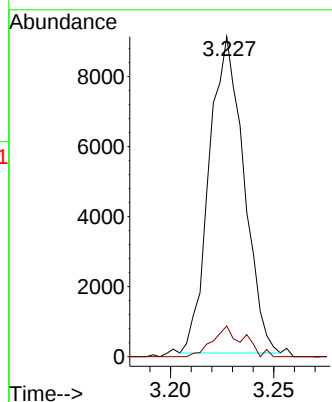
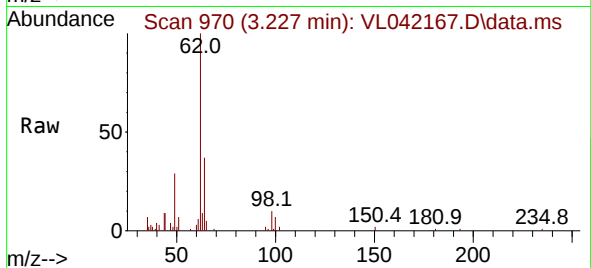




#37
1,2-Dichloroethane
Concen: 0.434 ppbv
RT: 3.227 min Scan# 91
Delta R.T. 0.000 min
Lab File: VL042167.D
Acq: 25 Mar 2025 10:31

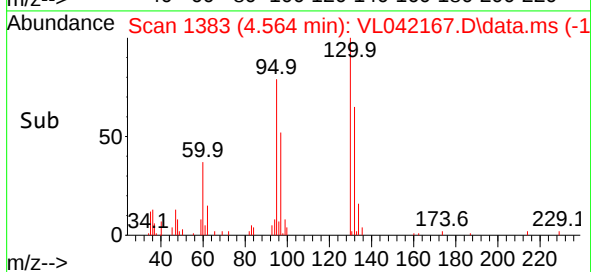
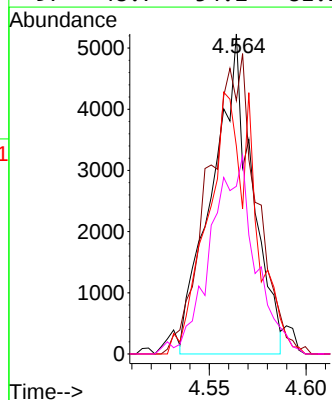
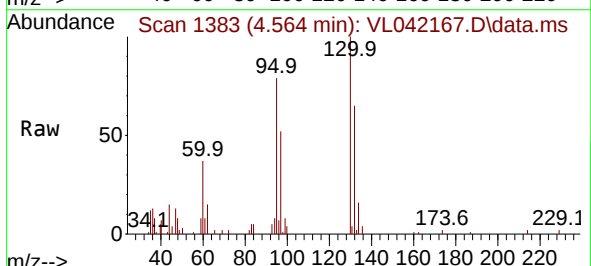
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

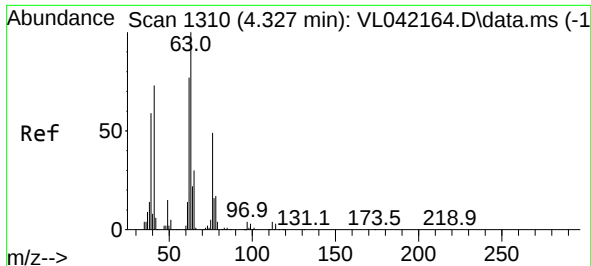
Tgt Ion: 62 Resp: 10548
Ion Ratio Lower Upper
62 100
98 8.6 5.4 8.0#



#38
Trichloroethene
Concen: 0.416 ppbv
RT: 4.564 min Scan# 1383
Delta R.T. 0.003 min
Lab File: VL042167.D
Acq: 25 Mar 2025 10:31

Tgt Ion:130 Resp: 7416
Ion Ratio Lower Upper
130 100
95 70.7 84.1 126.1#
132 60.3 79.0 118.6#
97 48.7 54.2 81.2#





#39

1,2-Dichloropropane

Concen: 0.431 ppbv

RT: 4.334 min Scan# 1312

Delta R.T. 0.007 min

Lab File: VL042167.D

Acq: 25 Mar 2025 10:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

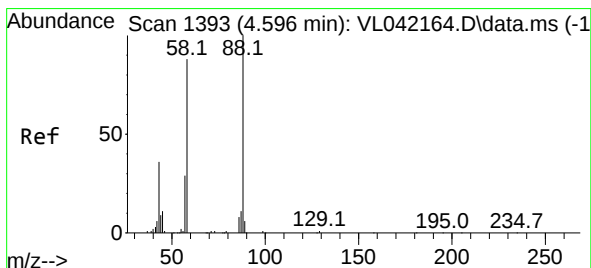
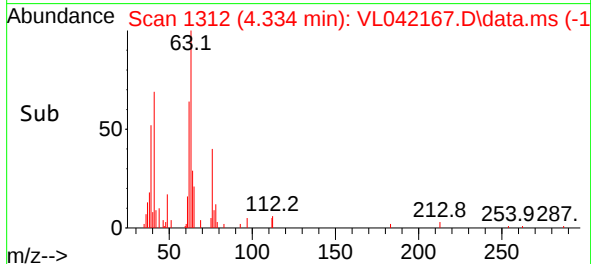
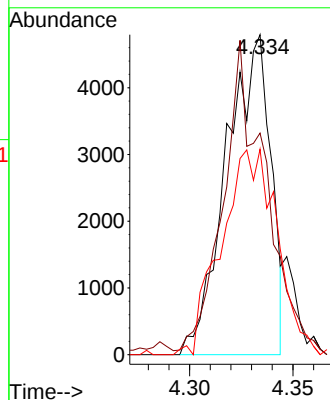
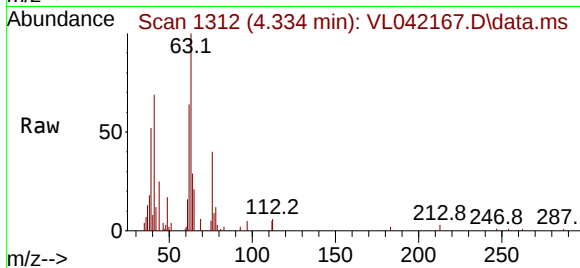
Tgt Ion: 63 Resp: 7187

Ion Ratio Lower Upper

63 100

41 67.8 58.8 88.2

62 62.5 61.3 91.9



#40

1,4-Dioxane

Concen: 0.159 ppbv

RT: 4.616 min Scan# 1399

Delta R.T. 0.020 min

Lab File: VL042167.D

Acq: 25 Mar 2025 10:31

Tgt Ion: 88 Resp: 1199

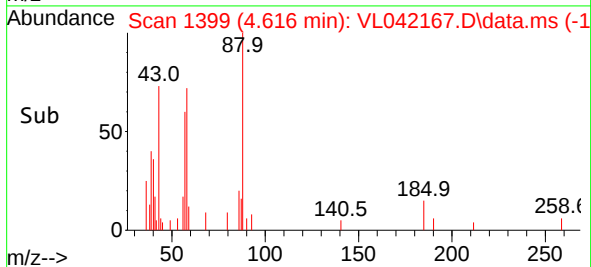
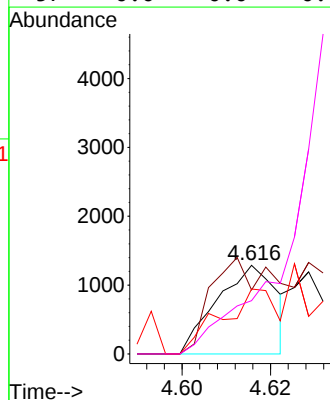
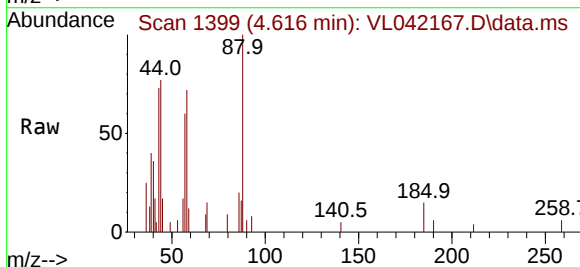
Ion Ratio Lower Upper

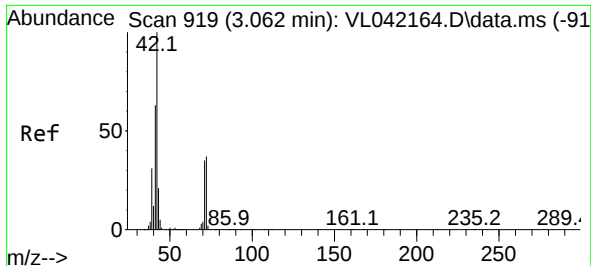
88 100

58 0.0 68.0 102.0#

43 0.0 25.3 37.9#

57 0.0 0.0 0.0



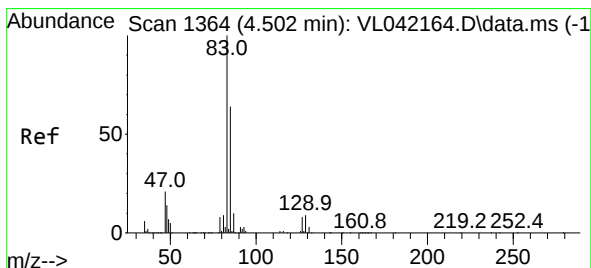
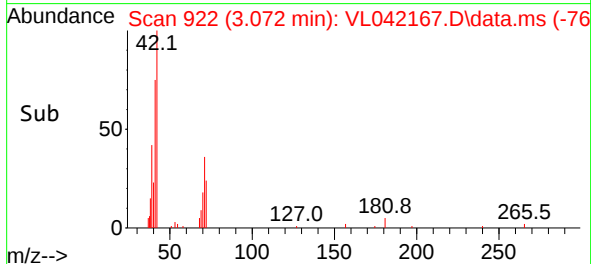
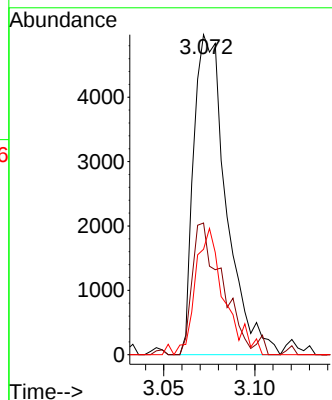
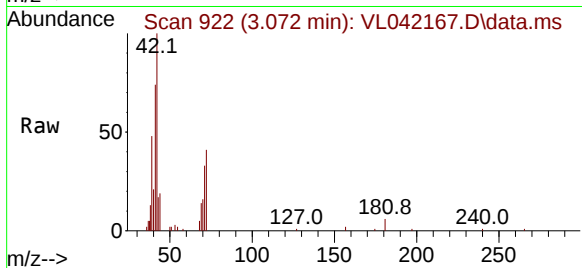


#41
Tetrahydrofuran
Concen: 0.323 ppbv
RT: 3.072 min Scan# 919
Delta R.T. 0.010 min
Lab File: VL042167.D
Acq: 25 Mar 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 42 Resp: 6170

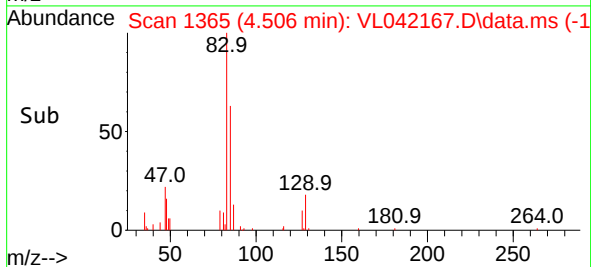
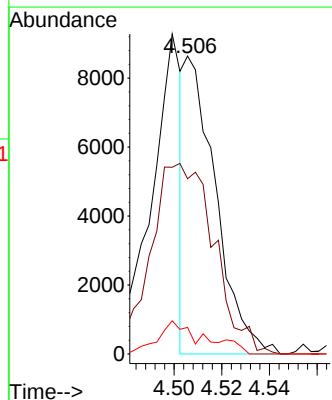
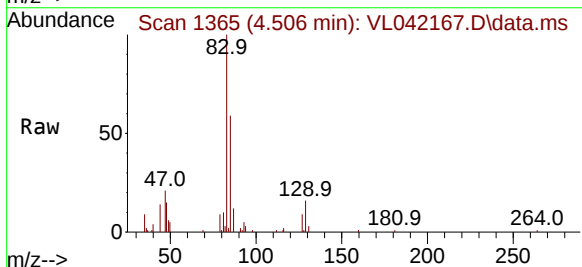
Ion	Ratio	Lower	Upper
42	100		
72	40.0	29.4	44.2
71	35.4	27.8	41.6

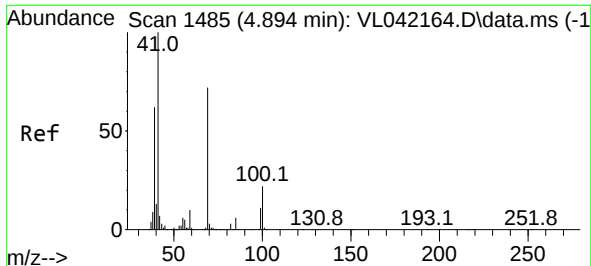


#42
Bromodichloromethane
Concen: 0.238 ppbv
RT: 4.506 min Scan# 1365
Delta R.T. 0.003 min
Lab File: VL042167.D
Acq: 25 Mar 2025 10:31

Tgt Ion: 83 Resp: 7814

Ion	Ratio	Lower	Upper
83	100		
85	58.8	51.0	76.4
127	8.9	6.6	9.8

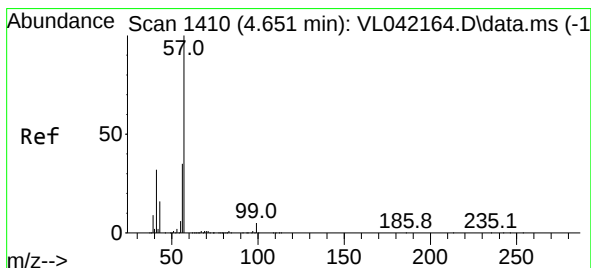
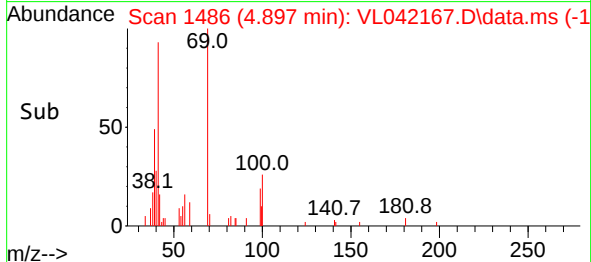
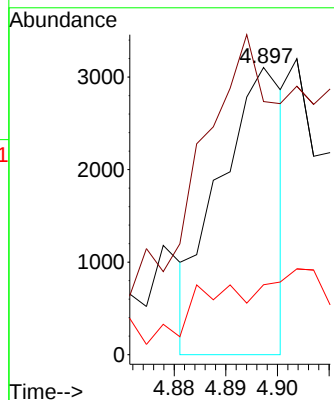
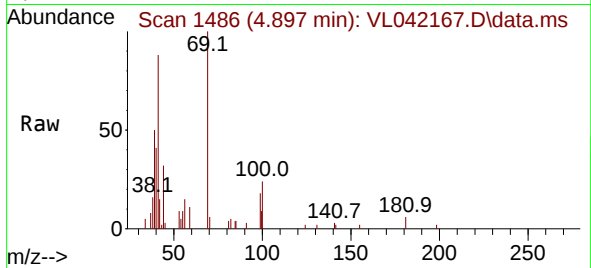




#43
Methyl Methacrylate
Concen: 0.159 ppbv
RT: 4.897 min Scan# 1486
Delta R.T. 0.003 min
Lab File: VL042167.D
Acq: 25 Mar 2025 10:31

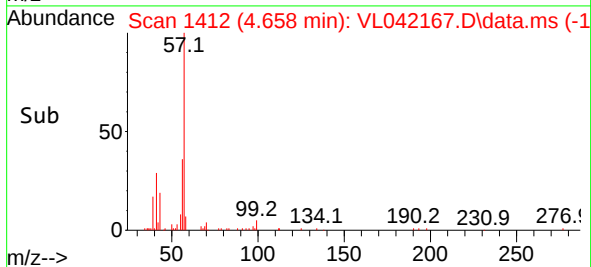
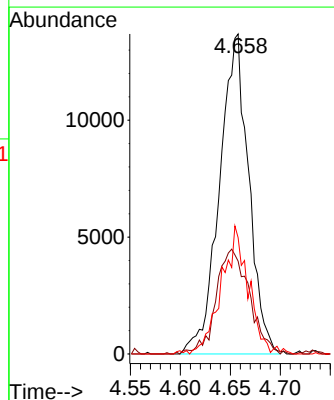
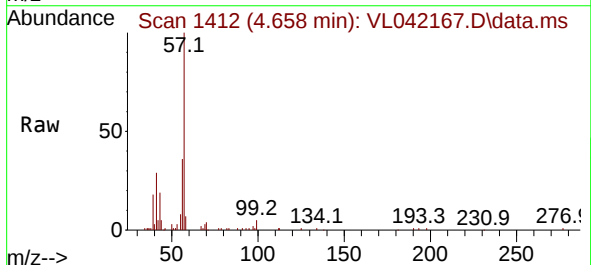
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

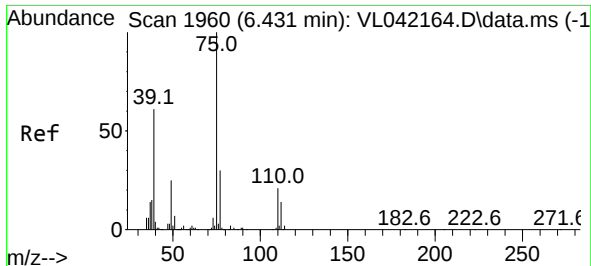
Tgt Ion: 69 Resp: 2658
Ion Ratio Lower Upper
69 100
41 284.7 120.6 180.8#
100 0.0 26.2 39.2#



#44
2,2,4-Trimethylpentane
Concen: 0.357 ppbv
RT: 4.658 min Scan# 1412
Delta R.T. 0.007 min
Lab File: VL042167.D
Acq: 25 Mar 2025 10:31

Tgt Ion: 57 Resp: 27834
Ion Ratio Lower Upper
57 100
41 37.3 25.8 38.8
56 37.4 27.4 41.0

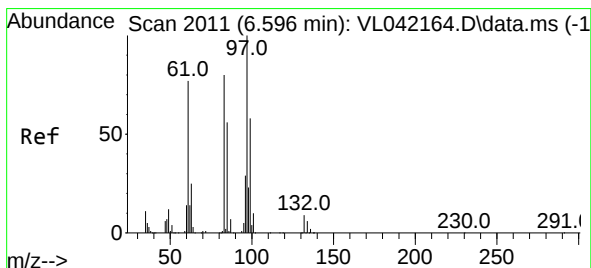
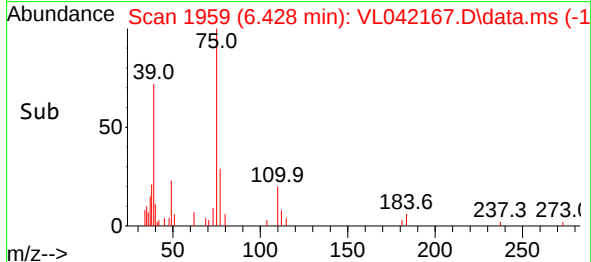
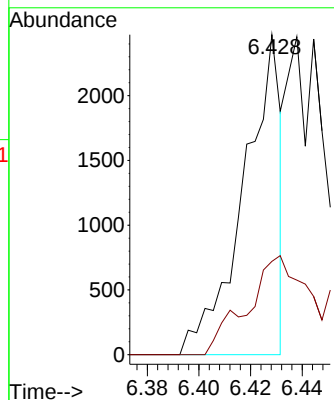
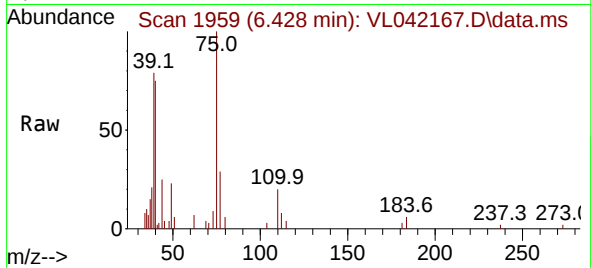




#45
t-1,3-Dichloropropene
Concen: 0.152 ppbv
RT: 6.428 min Scan# 1959
Delta R.T. -0.003 min
Lab File: VL042167.D
Acq: 25 Mar 2025 10:31

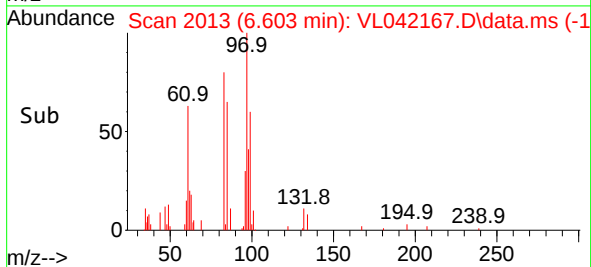
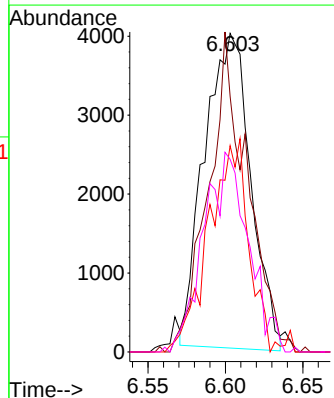
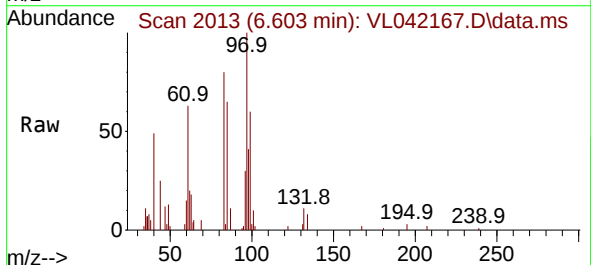
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

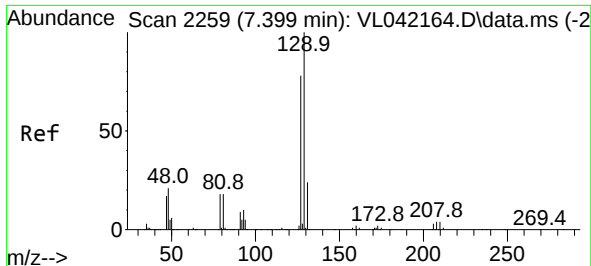
Tgt Ion: 75 Resp: 2460
Ion Ratio Lower Upper
75 100
77 29.2 24.0 36.0



#47
1,1,2-Trichloroethane
Concen: 0.486 ppbv
RT: 6.603 min Scan# 2013
Delta R.T. 0.007 min
Lab File: VL042167.D
Acq: 25 Mar 2025 10:31

Tgt Ion: 97 Resp: 8300
Ion Ratio Lower Upper
97 100
83 80.3 64.2 96.4
85 66.3 44.5 66.7
99 59.9 46.4 69.6





#48

Dibromochloromethane

Concen: 0.426 ppbv

RT: 7.406 min Scan# 21

Delta R.T. 0.007 min

Lab File: VL042167.D

Acq: 25 Mar 2025 10:31

Instrument :

MSVOA_L

ClientSampleId :

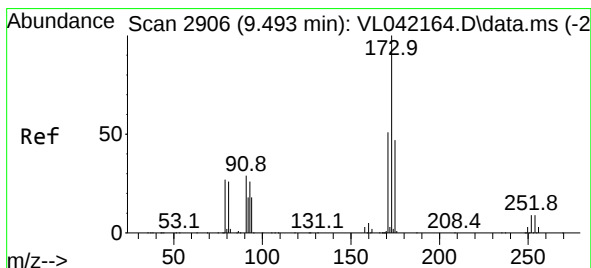
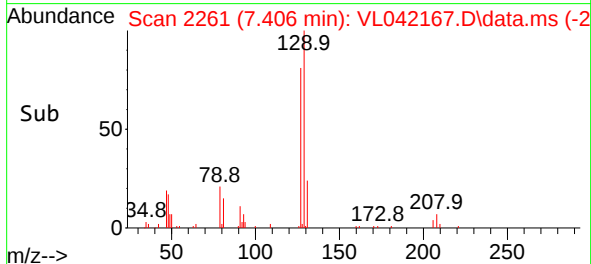
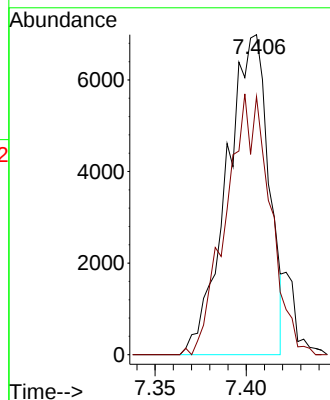
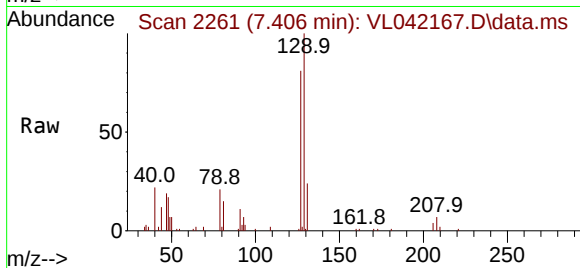
VSTDIC0.5

Tgt Ion:129 Resp: 11252

Ion Ratio Lower Upper

129 100

127 85.0 38.7 116.1



#49

Bromoform

Concen: 0.411 ppbv

RT: 9.493 min Scan# 2906

Delta R.T. 0.000 min

Lab File: VL042167.D

Acq: 25 Mar 2025 10:31

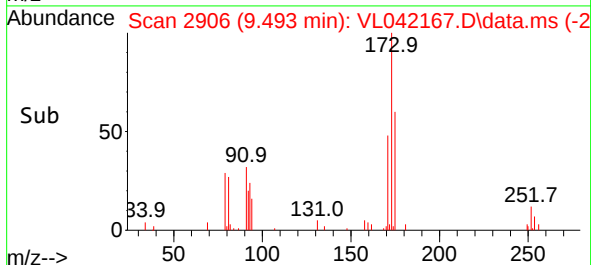
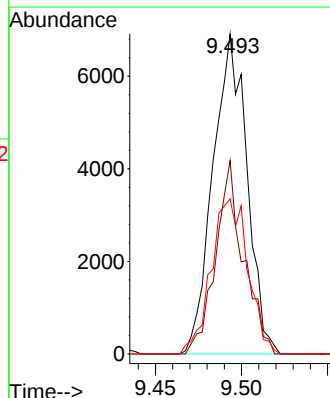
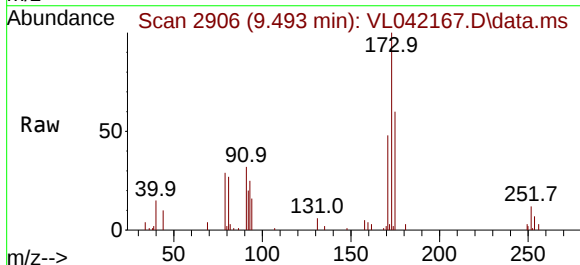
Tgt Ion:173 Resp: 9485

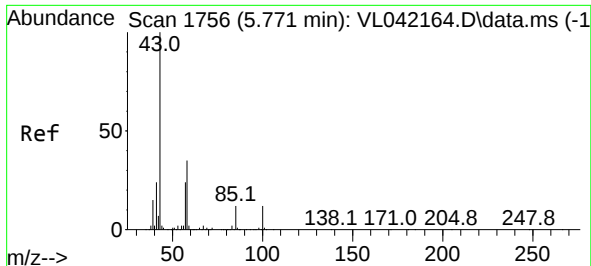
Ion Ratio Lower Upper

173 100

175 49.6 38.5 57.7

171 52.5 41.1 61.7





#50

4-Methyl-2-Pentanone

Concen: 0.188 ppbv

RT: 5.787 min Scan# 1761

Delta R.T. 0.016 min

Lab File: VL042167.D

Acq: 25 Mar 2025 10:31

Instrument :

MSVOA_L

ClientSampleId :

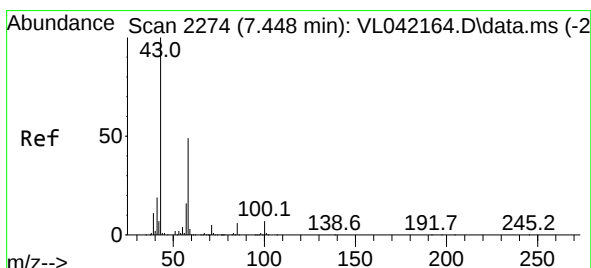
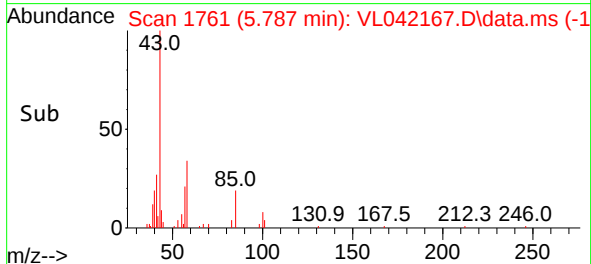
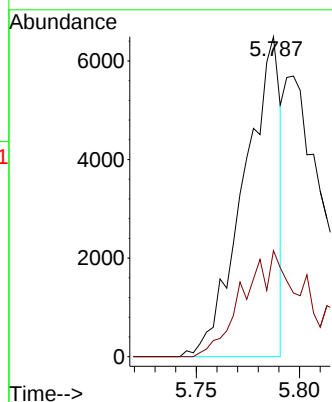
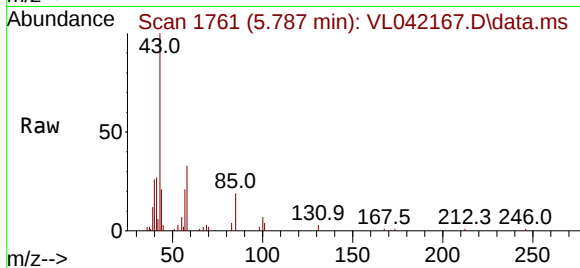
VSTDIC0.5

Tgt Ion: 43 Resp: 7932

Ion Ratio Lower Upper

43 100

58 63.1 27.2 40.8#



#51

2-Hexanone

Concen: 0.186 ppbv

RT: 7.457 min Scan# 2277

Delta R.T. 0.010 min

Lab File: VL042167.D

Acq: 25 Mar 2025 10:31

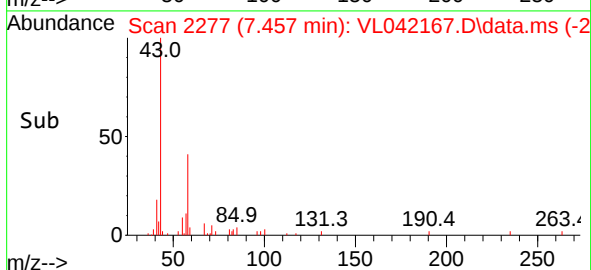
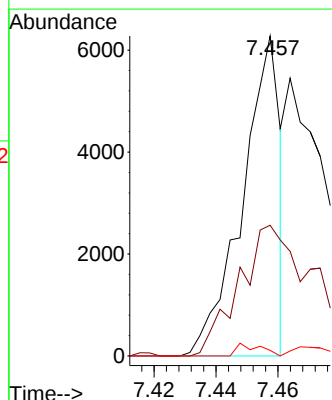
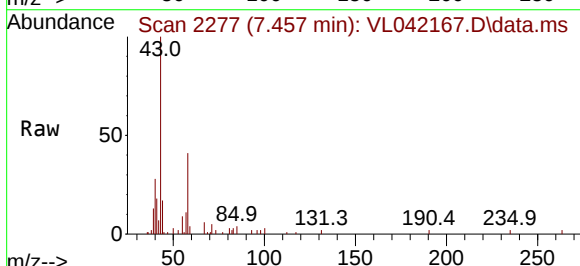
Tgt Ion: 43 Resp: 5314

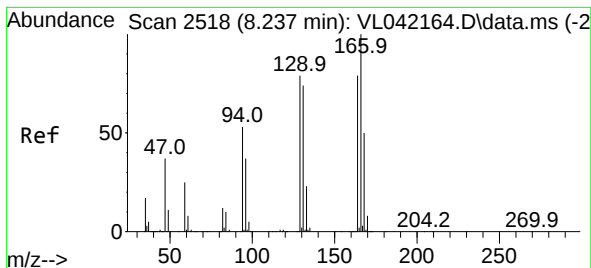
Ion Ratio Lower Upper

43 100

58 86.4 37.9 56.9#

98 6.4 0.9 1.3#





#52

Tetrachloroethene

Concen: 0.245 ppbv

RT: 8.234 min Scan# 2118

Delta R.T. -0.003 min

Lab File: VL042167.D

Acq: 25 Mar 2025 10:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion:164 Resp: 3646

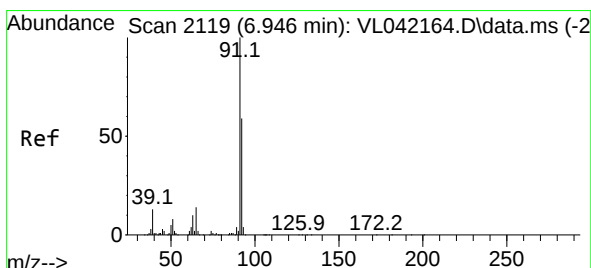
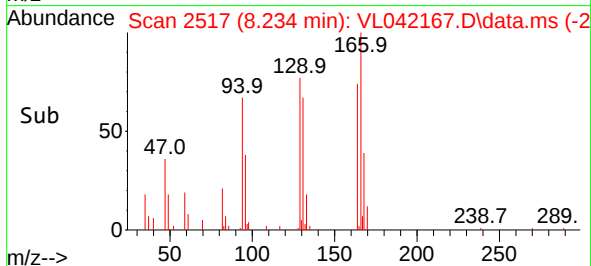
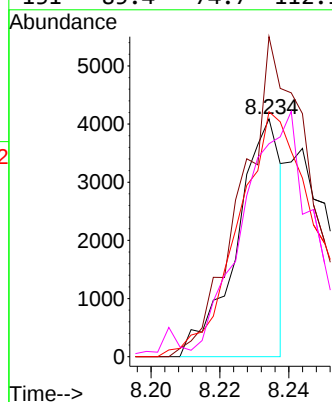
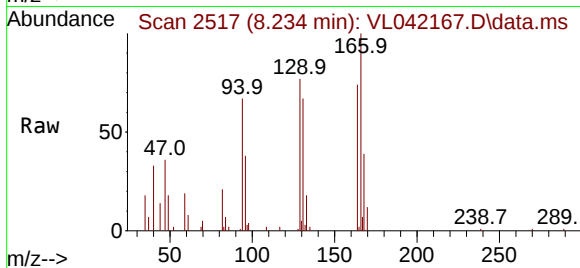
Ion Ratio Lower Upper

164 100

166 131.2 101.3 151.9

129 99.5 79.6 119.4

131 85.4 74.7 112.1



#53

Toluene

Concen: 0.182 ppbv

RT: 6.943 min Scan# 2118

Delta R.T. -0.003 min

Lab File: VL042167.D

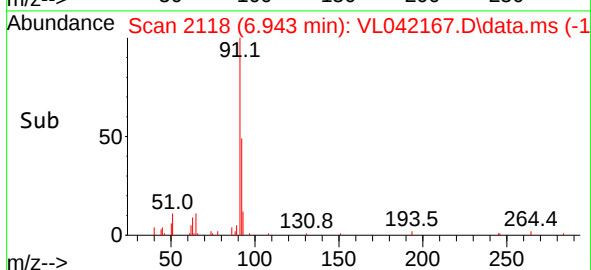
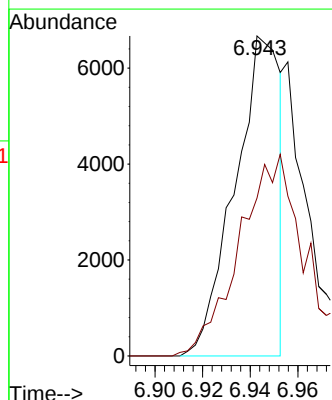
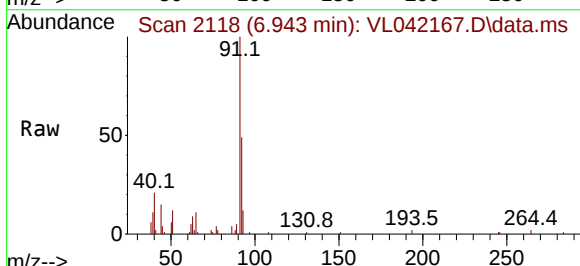
Acq: 25 Mar 2025 10:31

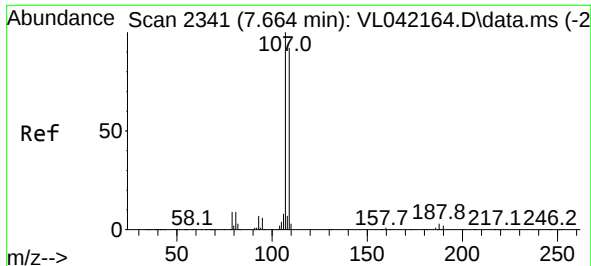
Tgt Ion: 91 Resp: 8745

Ion Ratio Lower Upper

91 100

92 0.0 49.0 73.4#





#54

1,2-Dibromoethane

Concen: 0.248 ppbv

RT: 7.671 min Scan# 21

Delta R.T. 0.007 min

Lab File: VL042167.D

Acq: 25 Mar 2025 10:31

Instrument :

MSVOA_L

ClientSampleId :

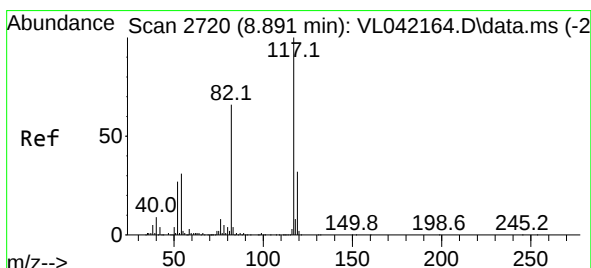
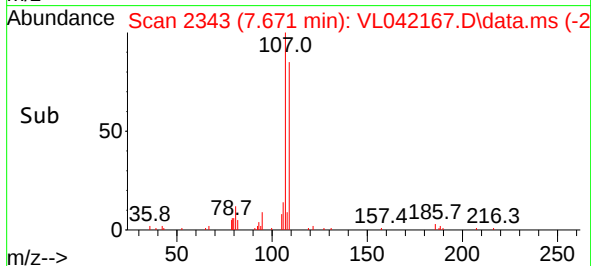
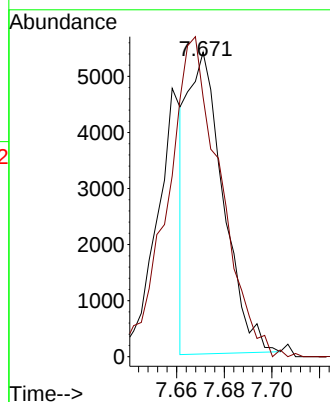
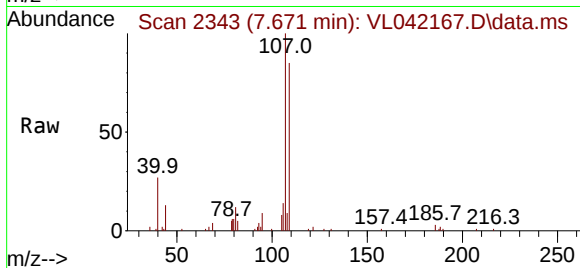
VSTDIC0.5

Tgt Ion:107 Resp: 5636

Ion Ratio Lower Upper

107 100

109 84.5 73.4 110.0



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.895 min Scan# 2721

Delta R.T. 0.003 min

Lab File: VL042167.D

Acq: 25 Mar 2025 10:31

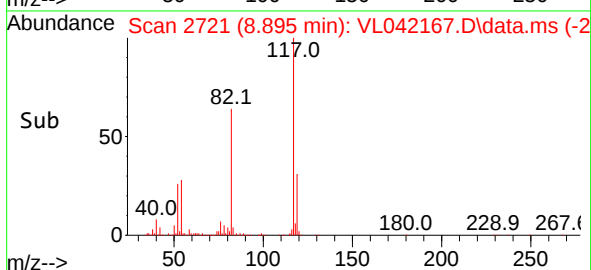
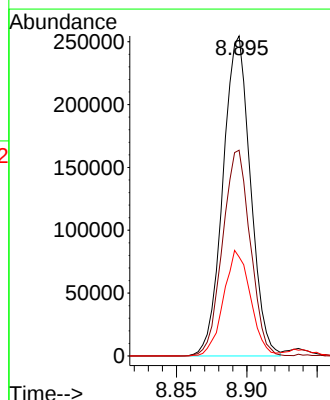
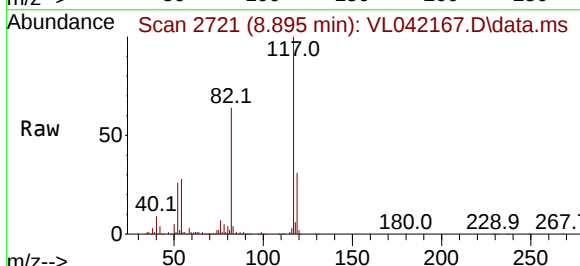
Tgt Ion:117 Resp: 345835

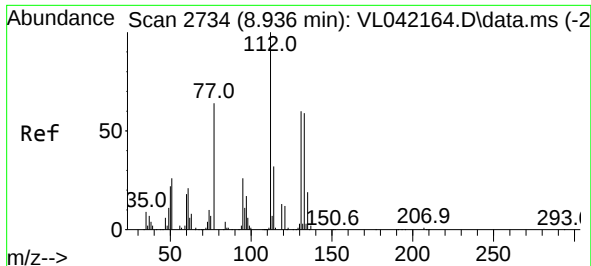
Ion Ratio Lower Upper

117 100

82 65.2 54.2 81.4

119 34.4 25.4 38.2

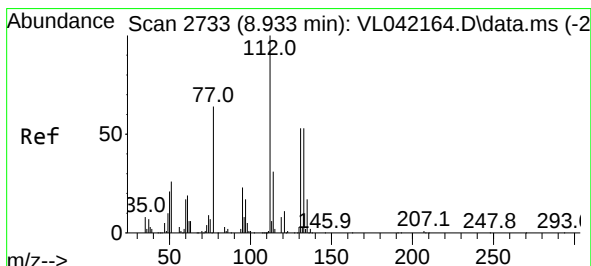
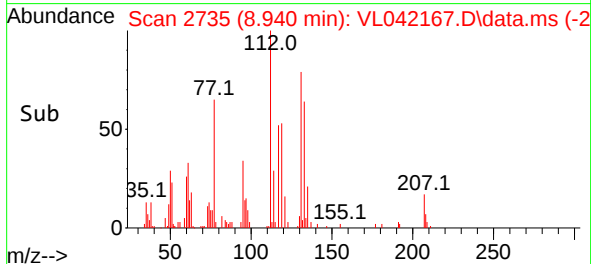
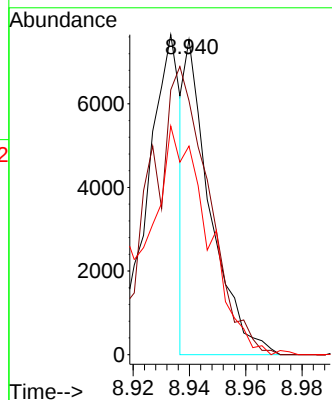
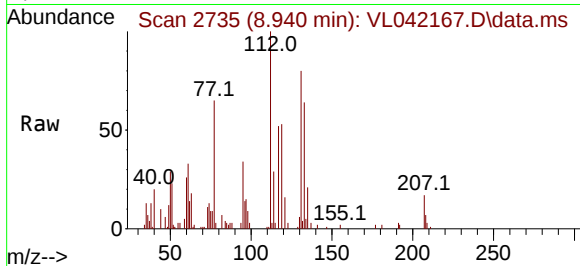




#56
1,1,1,2-Tetrachloroethane
Concen: 0.234 ppbv
RT: 8.940 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL042167.D
Acq: 25 Mar 2025 10:31

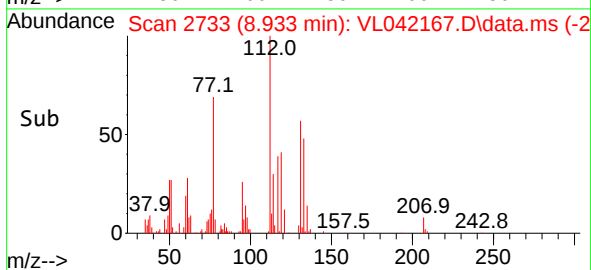
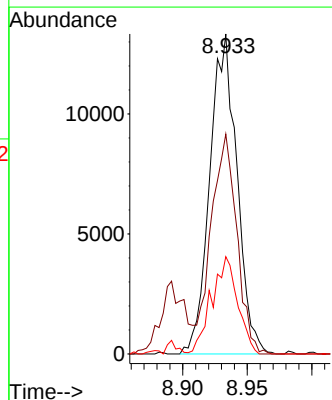
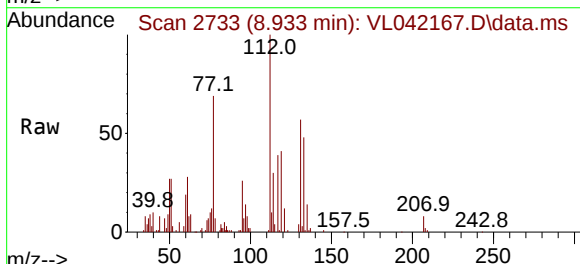
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

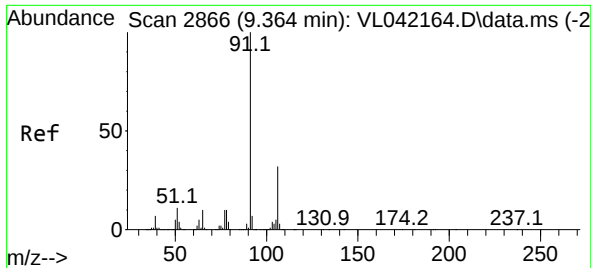
Tgt Ion:131 Resp: 4699
Ion Ratio Lower Upper
131 100
133 0.0 74.7 112.1#
119 0.0 52.5 78.7#



#57
Chlorobenzene
Concen: 0.531 ppbv
RT: 8.933 min Scan# 2733
Delta R.T. 0.000 min
Lab File: VL042167.D
Acq: 25 Mar 2025 10:31

Tgt Ion:112 Resp: 19487
Ion Ratio Lower Upper
112 100
77 68.7 51.7 77.5
114 30.4 28.2 34.4

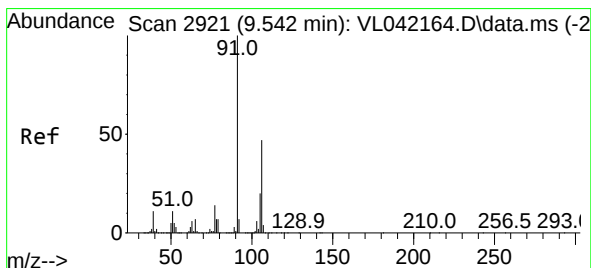
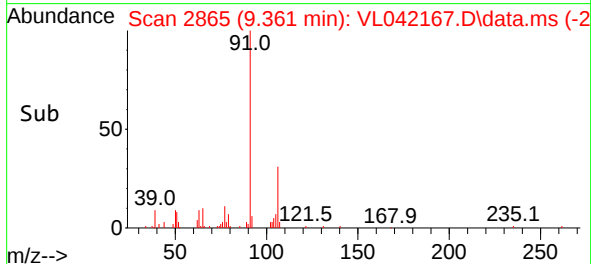
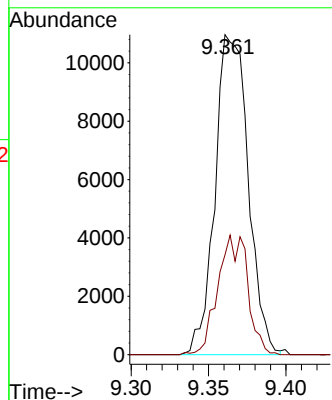
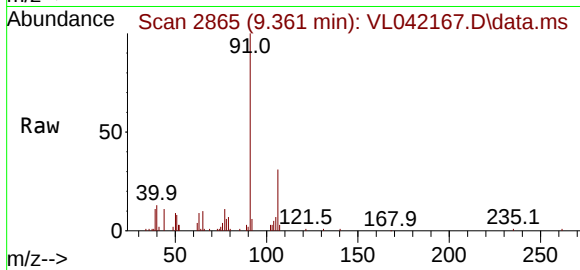




#58
Ethyl Benzene
Concen: 0.258 ppbv
RT: 9.361 min Scan# 2865
Delta R.T. -0.003 min
Lab File: VL042167.D
Acq: 25 Mar 2025 10:31

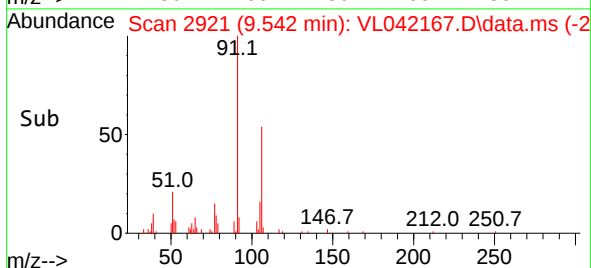
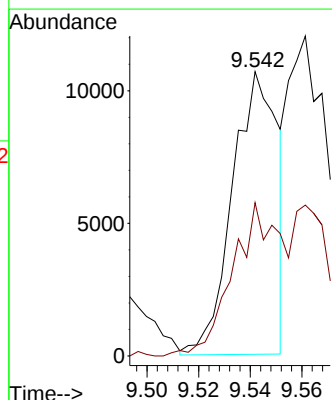
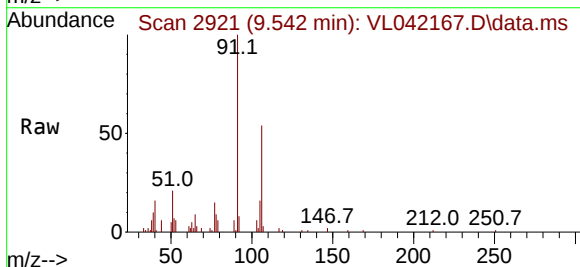
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

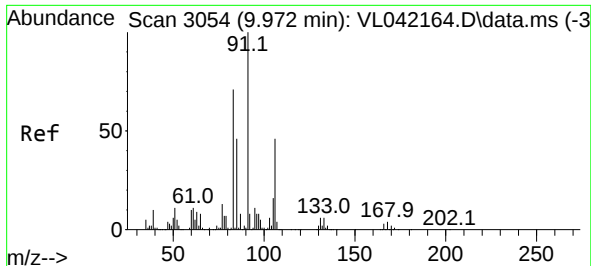
Tgt Ion: 91 Resp: 16344
Ion Ratio Lower Upper
91 100
106 31.2 25.4 38.0



#59
m/p-Xylene
Concen: 0.251 ppbv
RT: 9.542 min Scan# 2921
Delta R.T. 0.000 min
Lab File: VL042167.D
Acq: 25 Mar 2025 10:31

Tgt Ion: 91 Resp: 12932
Ion Ratio Lower Upper
91 100
106 103.8 0.0 0.0#

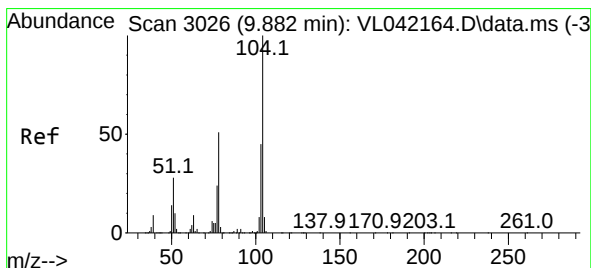
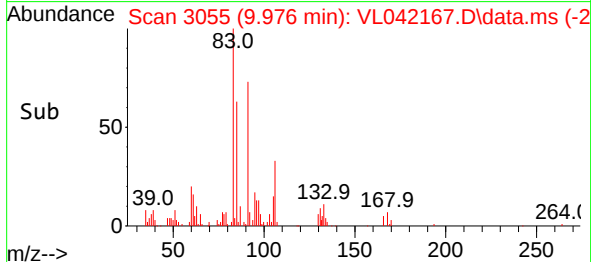
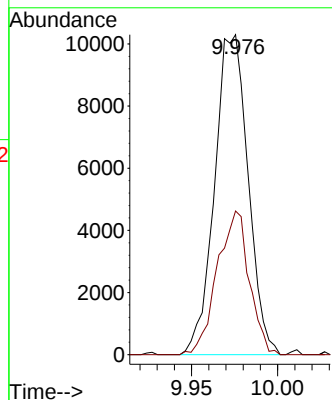
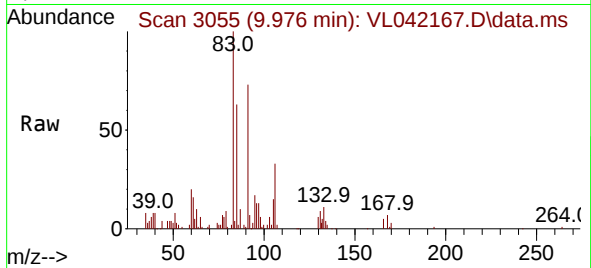




#60
o-Xylene
Concen: 0.268 ppbv
RT: 9.976 min Scan# 3055
Delta R.T. 0.003 min
Lab File: VL042167.D
Acq: 25 Mar 2025 10:31

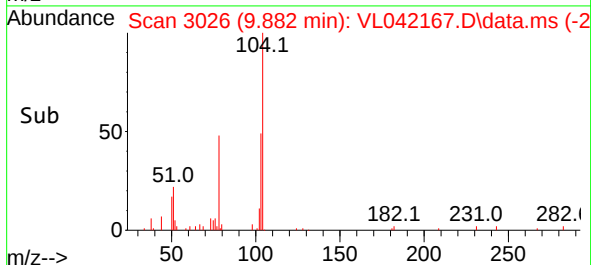
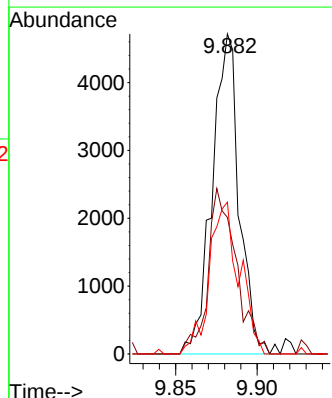
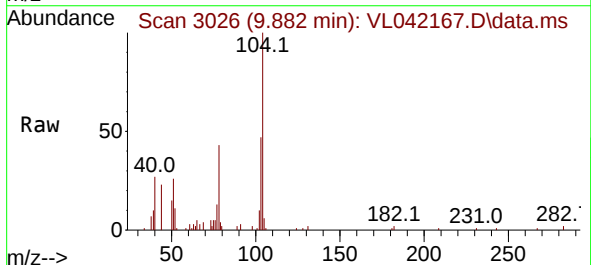
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

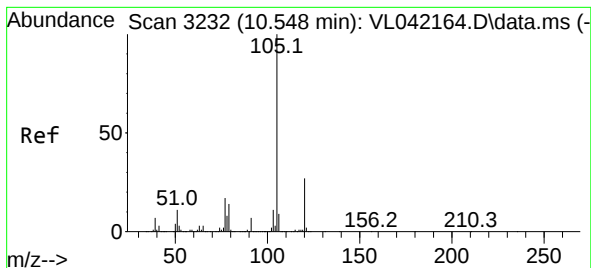
Tgt Ion: 91 Resp: 13955
Ion Ratio Lower Upper
91 100
106 43.0 22.7 68.0



#61
Styrene
Concen: 0.231 ppbv
RT: 9.882 min Scan# 3026
Delta R.T. 0.000 min
Lab File: VL042167.D
Acq: 25 Mar 2025 10:31

Tgt Ion: 104 Resp: 5460
Ion Ratio Lower Upper
104 100
78 53.7 39.7 59.5
103 52.3 37.4 56.2





#62

Isopropylbenzene

Concen: 0.298 ppbv

RT: 10.548 min Scan# 31

Delta R.T. 0.000 min

Lab File: VL042167.D

Acq: 25 Mar 2025 10:31

Instrument :

MSVOA_L

ClientSampleId :

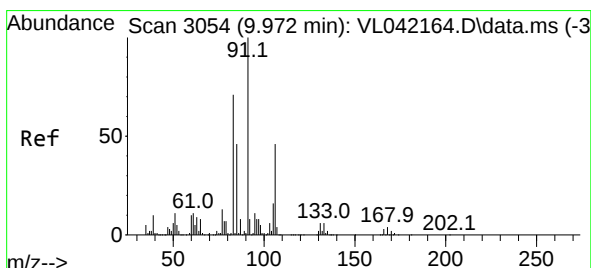
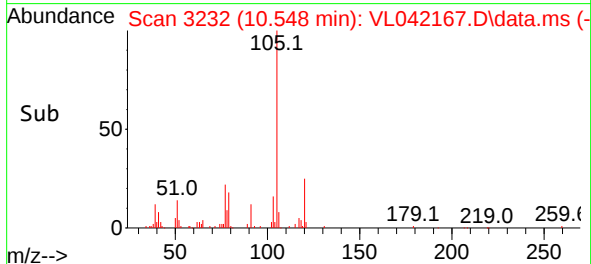
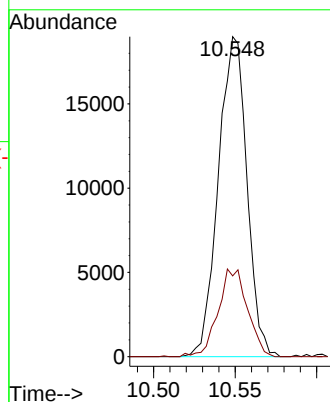
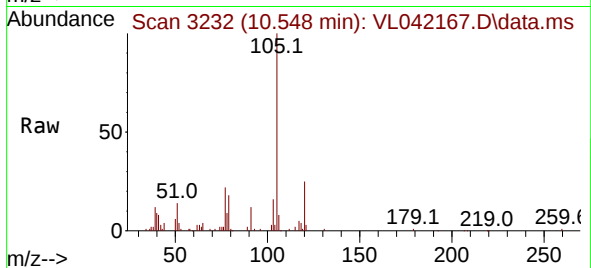
VSTDIC0.5

Tgt Ion:105 Resp: 23146

Ion Ratio Lower Upper

105 100

120 28.2 21.4 32.0



#63

1,1,2,2-Tetrachloroethane

Concen: 0.497 ppbv

RT: 9.976 min Scan# 3055

Delta R.T. 0.003 min

Lab File: VL042167.D

Acq: 25 Mar 2025 10:31

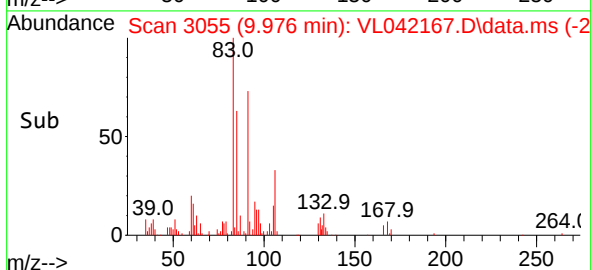
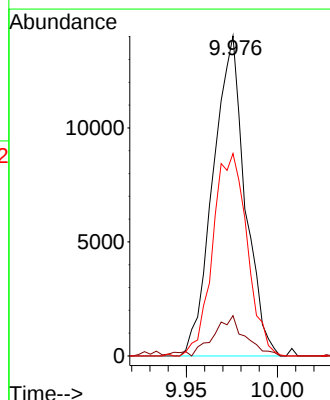
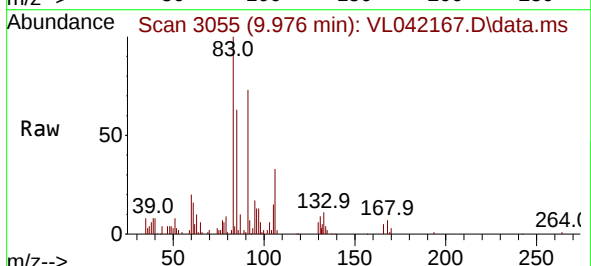
Tgt Ion: 83 Resp: 17176

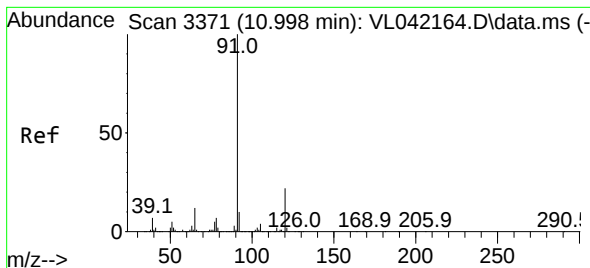
Ion Ratio Lower Upper

83 100

131 14.0 4.5 13.5#

85 67.7 32.3 96.9





#64

n-propylbenzene

Concen: 0.185 ppbv

RT: 10.998 min Scan# 31

Delta R.T. 0.000 min

Lab File: VL042167.D

Acq: 25 Mar 2025 10:31

Instrument :

MSVOA_1

ClientSampleId :

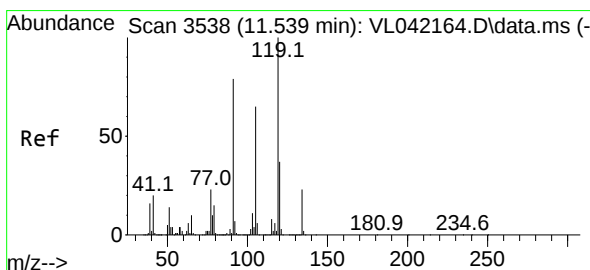
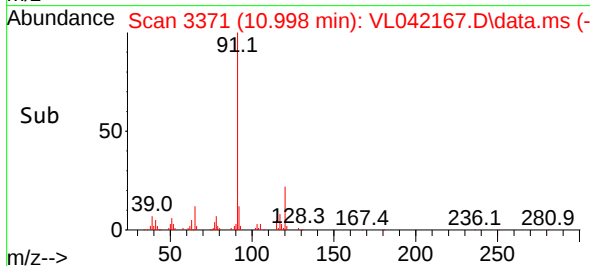
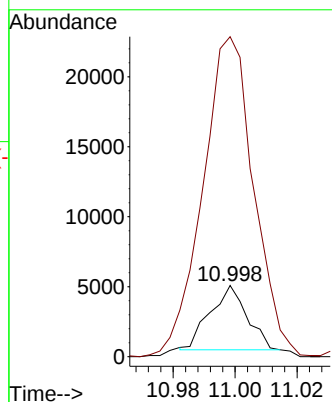
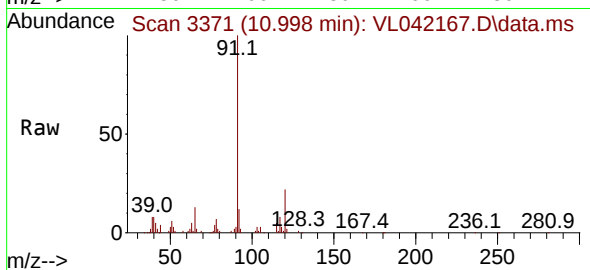
VSTDIC0.5

Tgt Ion:120 Resp: 3809

Ion Ratio Lower Upper

120 100

91 692.7 369.8 554.8#



#65

tert-Butylbenzene

Concen: 0.260 ppbv

RT: 11.542 min Scan# 3539

Delta R.T. 0.003 min

Lab File: VL042167.D

Acq: 25 Mar 2025 10:31

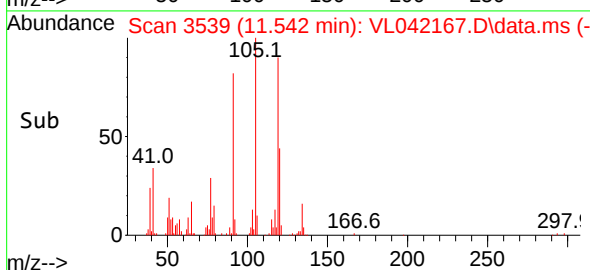
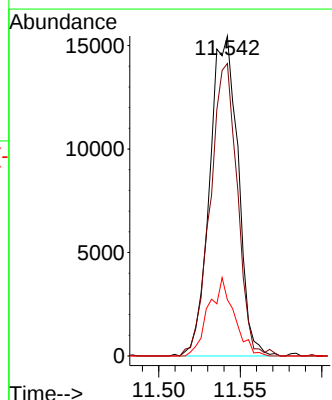
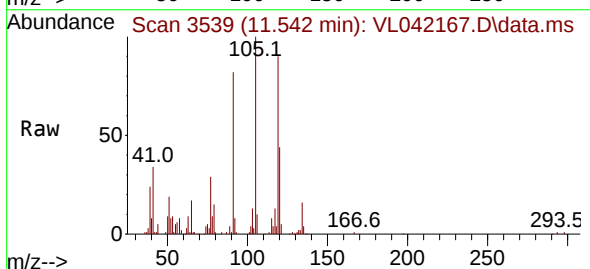
Tgt Ion:119 Resp: 18647

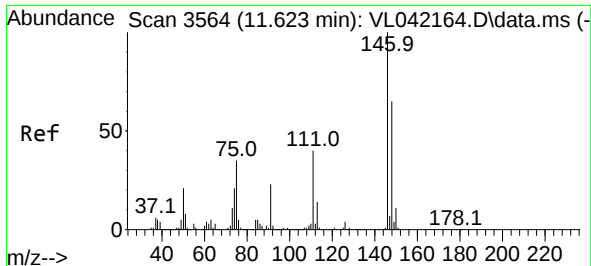
Ion Ratio Lower Upper

119 100

91 87.5 63.5 95.3

134 22.0 17.4 26.2

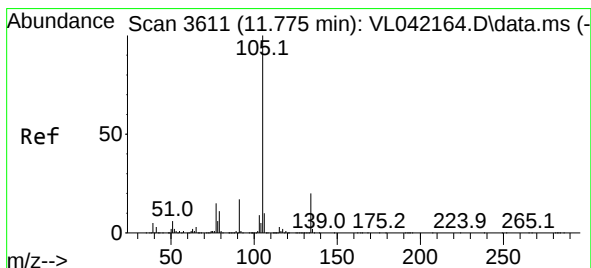
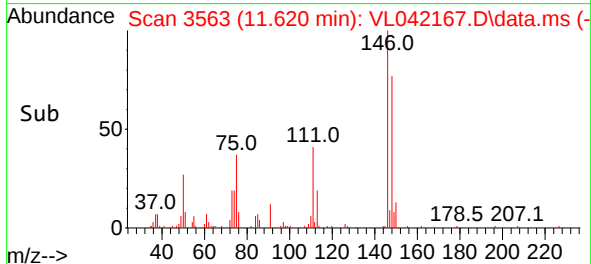
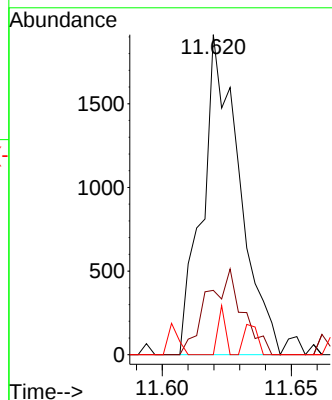
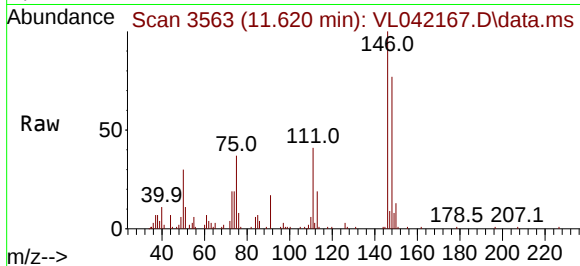




#66
Benzyl Chloride
Concen: 0.359 ppbv
RT: 11.620 min Scan# 3563
Delta R.T. -0.003 min
Lab File: VL042167.D
Acq: 25 Mar 2025 10:31

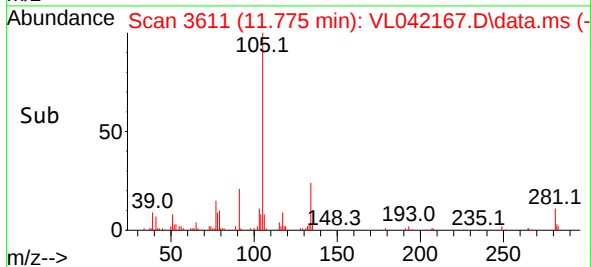
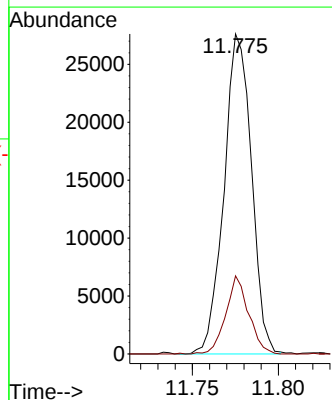
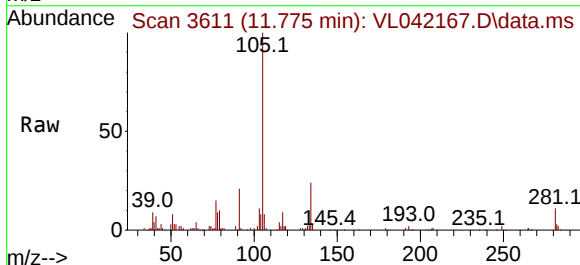
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

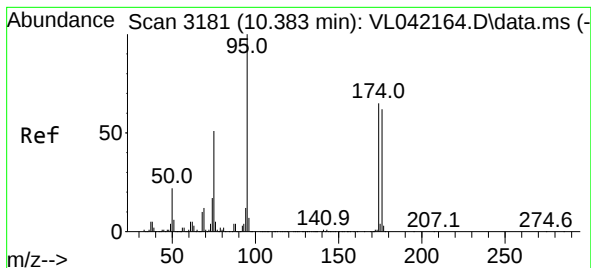
Tgt Ion: 91 Resp: 1904
Ion Ratio Lower Upper
91 100
126 25.8 15.0 22.6#
128 9.2 4.6 7.0#



#67
sec-Butylbenzene
Concen: 0.299 ppbv
RT: 11.775 min Scan# 3611
Delta R.T. 0.000 min
Lab File: VL042167.D
Acq: 25 Mar 2025 10:31

Tgt Ion: 105 Resp: 30673
Ion Ratio Lower Upper
105 100
134 20.3 15.4 23.2

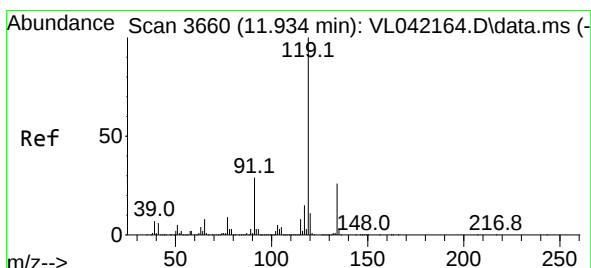
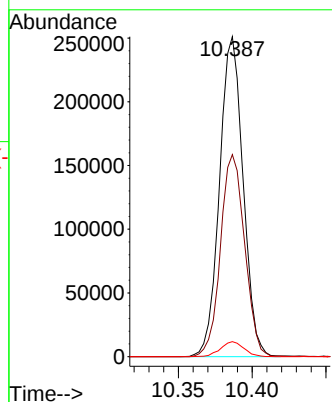
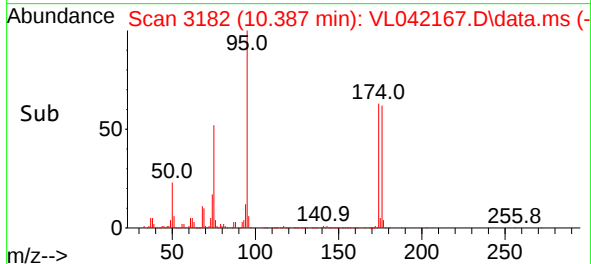
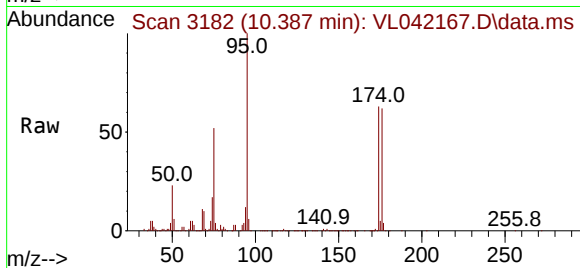




#68
1-Bromo-4-Fluorobenzene
Concen: 10.324 ppbv
RT: 10.387 min Scan# 3181
Delta R.T. 0.003 min
Lab File: VL042167.D
Acq: 25 Mar 2025 10:31

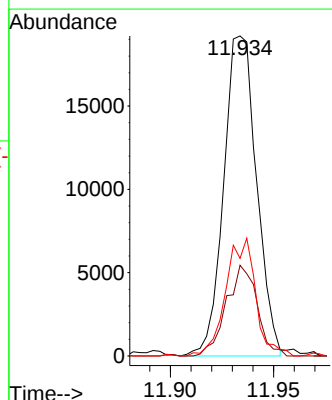
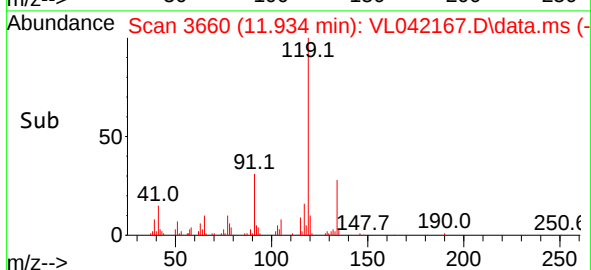
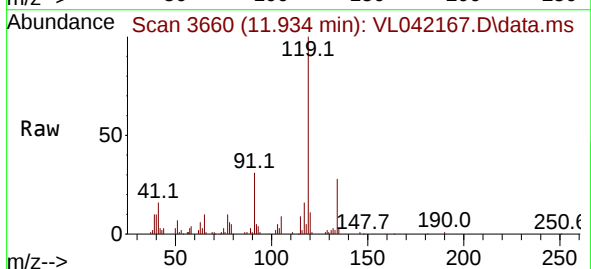
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

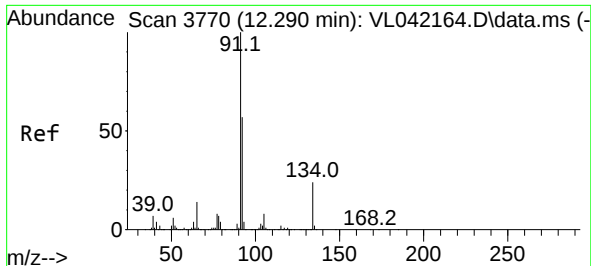
Tgt Ion: 95 Resp: 279009
Ion Ratio Lower Upper
95 100
174 64.9 53.5 80.3
175 4.7 3.8 5.8



#69
p-Isopropyltoluene
Concen: 0.259 ppbv
RT: 11.934 min Scan# 3660
Delta R.T. 0.000 min
Lab File: VL042167.D
Acq: 25 Mar 2025 10:31

Tgt Ion: 119 Resp: 21279
Ion Ratio Lower Upper
119 100
134 26.6 21.3 31.9
91 33.7 22.4 33.6#





#70

n-Butylbenzene

Concen: 0.270 ppbv

RT: 12.290 min Scan# 31

Delta R.T. 0.000 min

Lab File: VL042167.D

Acq: 25 Mar 2025 10:31

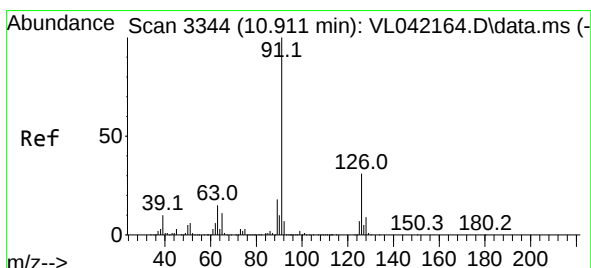
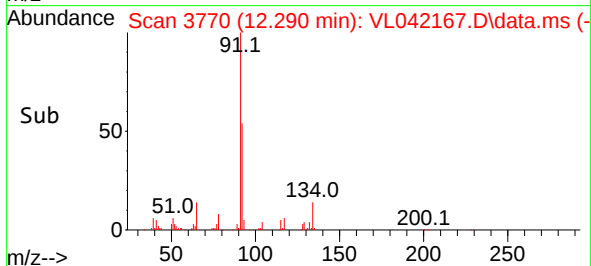
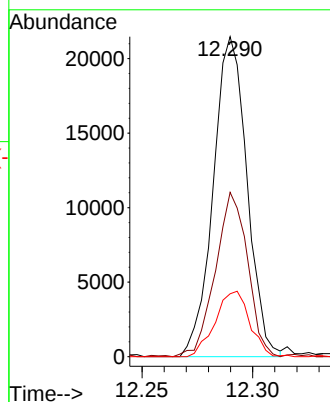
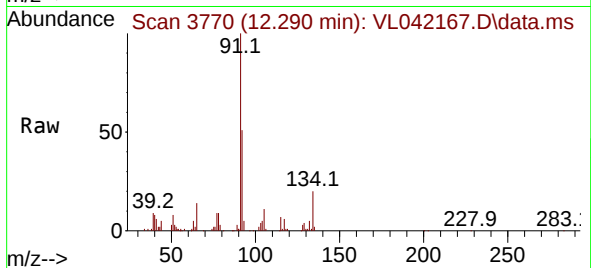
Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

Tgt Ion:	91	Resp:	22796
Ion	Ratio	Lower	Upper
91	100		
92	49.4	44.5	66.7
134	21.0	19.1	28.7



#71

2-Chlorotoluene

Concen: 0.275 ppbv

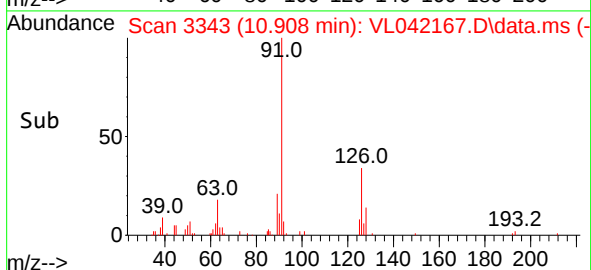
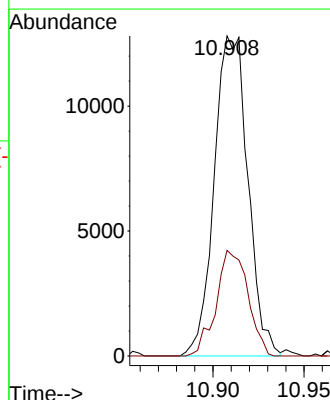
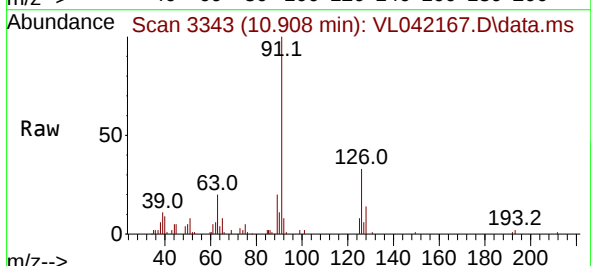
RT: 10.908 min Scan# 3343

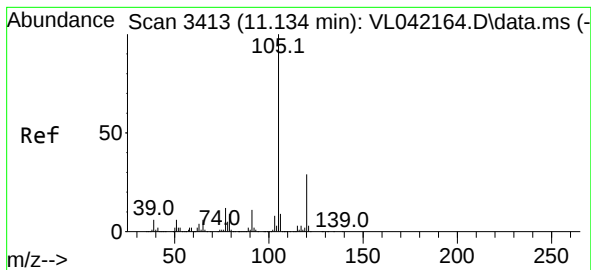
Delta R.T. -0.003 min

Lab File: VL042167.D

Acq: 25 Mar 2025 10:31

Tgt Ion:	91	Resp:	16451
Ion	Ratio	Lower	Upper
91	100		
126	31.2	12.3	49.1

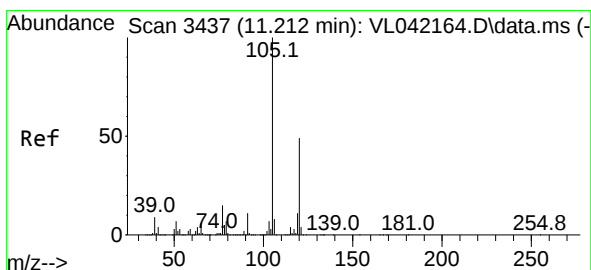
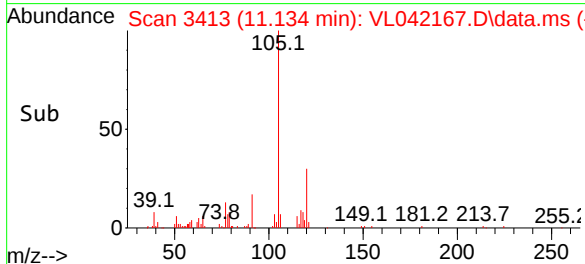
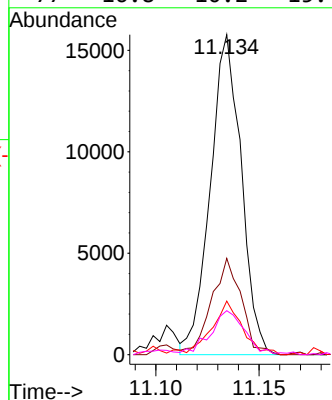
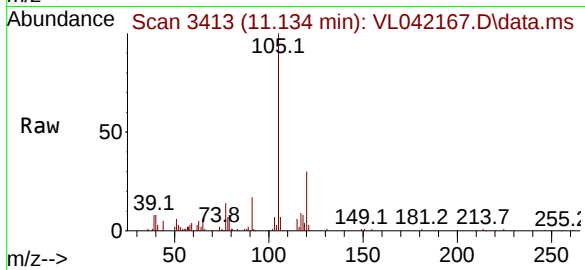




#72
4-Ethyltoluene
Concen: 0.257 ppbv
RT: 11.134 min Scan# 3413
Delta R.T. 0.000 min
Lab File: VL042167.D
Acq: 25 Mar 2025 10:31

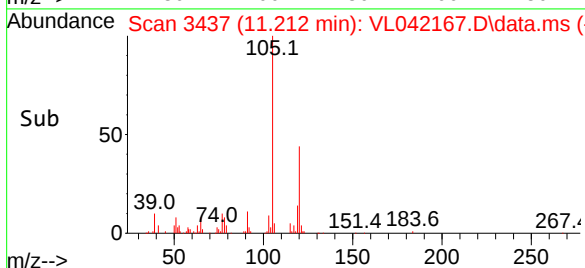
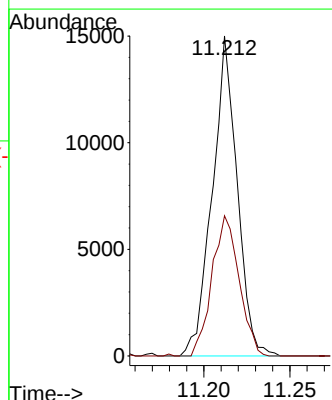
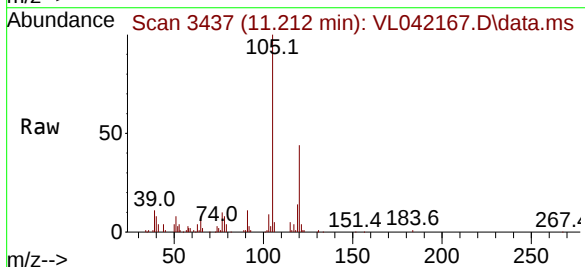
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

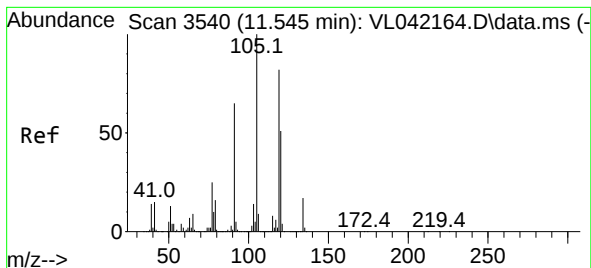
Tgt Ion:	105	Resp:	16413
Ion	Ratio	Lower	Upper
105	100		
120	31.0	24.2	36.2
91	18.8	9.8	14.8#
77	16.8	10.2	15.4#



#73
1,3,5-Trimethylbenzene
Concen: 0.272 ppbv
RT: 11.212 min Scan# 3437
Delta R.T. 0.000 min
Lab File: VL042167.D
Acq: 25 Mar 2025 10:31

Tgt Ion:	105	Resp:	15075
Ion	Ratio	Lower	Upper
105	100		
120	43.8	39.2	58.8





#74

1,2,4-Trimethylbenzene

Concen: 0.307 ppbv

RT: 11.545 min Scan# 3540

Delta R.T. 0.000 min

Lab File: VL042167.D

Acq: 25 Mar 2025 10:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion:105 Resp: 19401

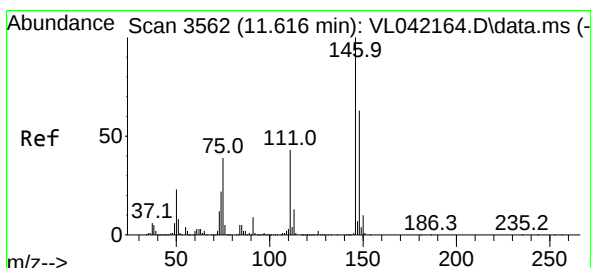
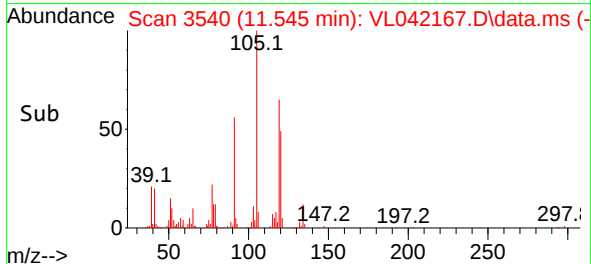
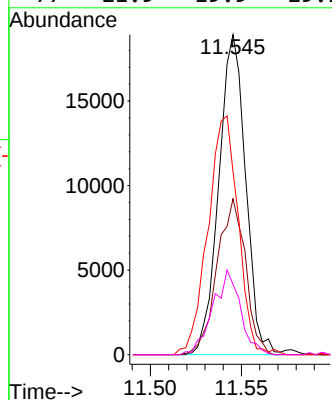
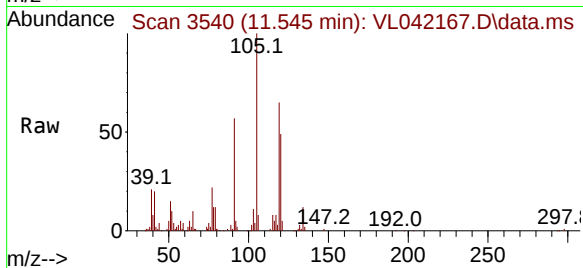
Ion Ratio Lower Upper

105 100

120 48.7 40.9 61.3

91 56.5 52.6 79.0

77 21.9 19.9 29.9



#75

1,3-Dichlorobenzene

Concen: 0.433 ppbv

RT: 11.617 min Scan# 3562

Delta R.T. 0.000 min

Lab File: VL042167.D

Acq: 25 Mar 2025 10:31

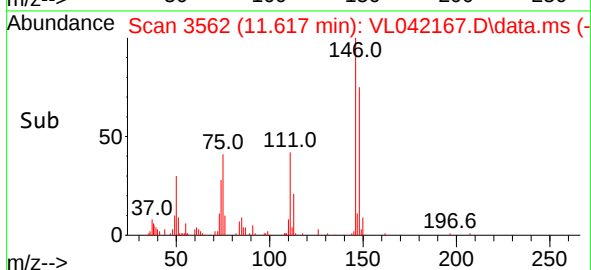
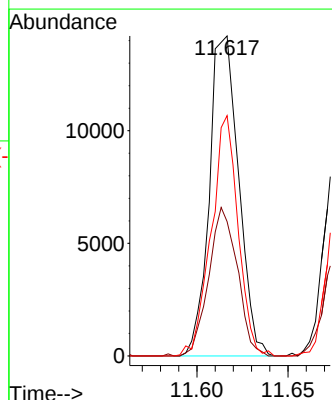
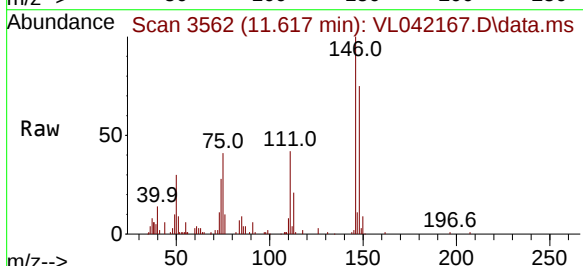
Tgt Ion:146 Resp: 15915

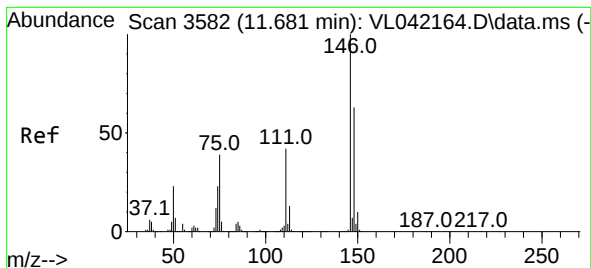
Ion Ratio Lower Upper

146 100

111 45.2 21.9 65.8

148 68.8 31.7 95.1





#76

1,4-Dichlorobenzene

Concen: 0.387 ppbv

RT: 11.681 min Scan# 3582

Delta R.T. 0.000 min

Lab File: VL042167.D

Acq: 25 Mar 2025 10:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

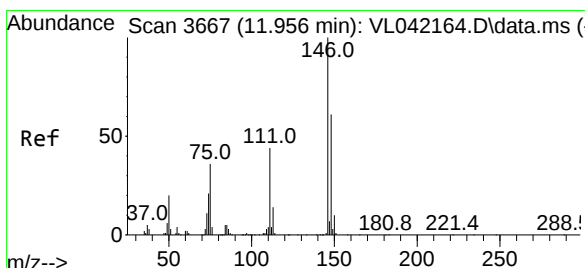
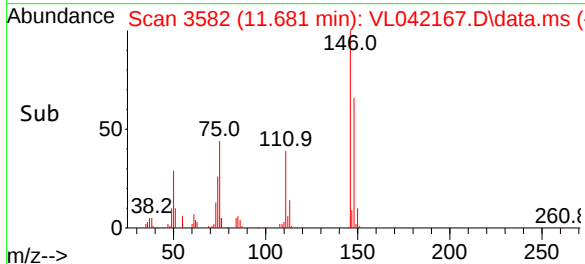
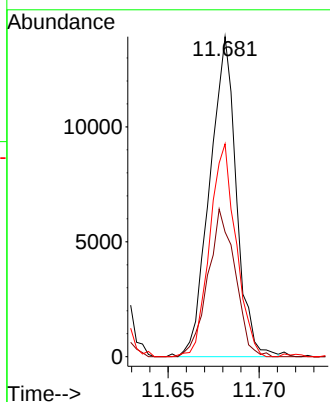
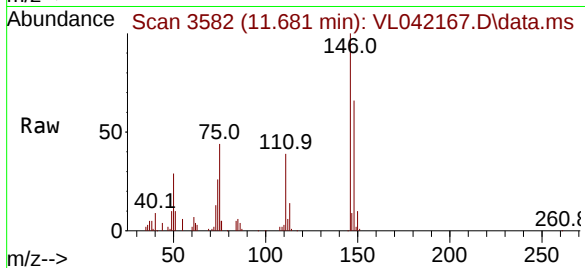
Tgt Ion:146 Resp: 14128

Ion Ratio Lower Upper

146 100

111 47.2 21.3 64.0

148 66.6 31.8 95.3



#77

1,2-Dichlorobenzene

Concen: 0.482 ppbv

RT: 11.956 min Scan# 3667

Delta R.T. 0.000 min

Lab File: VL042167.D

Acq: 25 Mar 2025 10:31

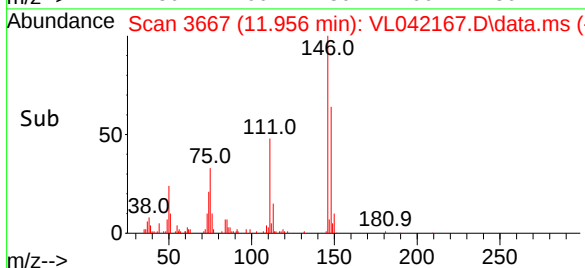
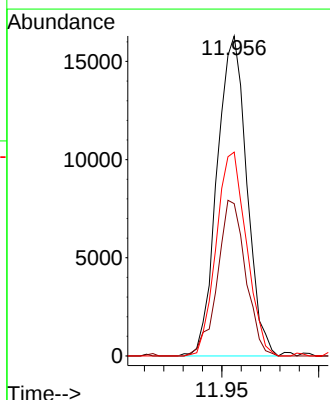
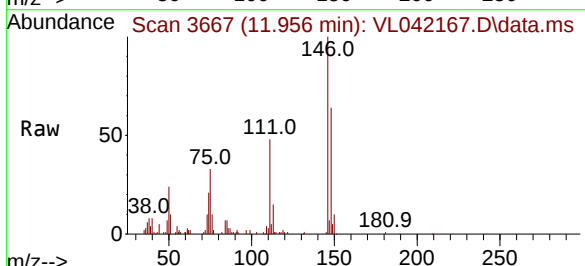
Tgt Ion:146 Resp: 17364

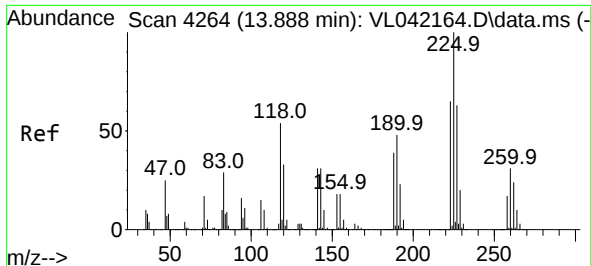
Ion Ratio Lower Upper

146 100

111 46.2 23.1 69.3

148 65.1 31.6 94.7

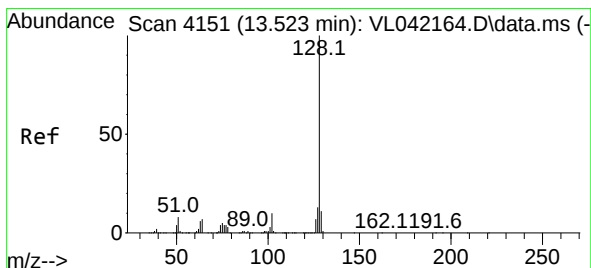
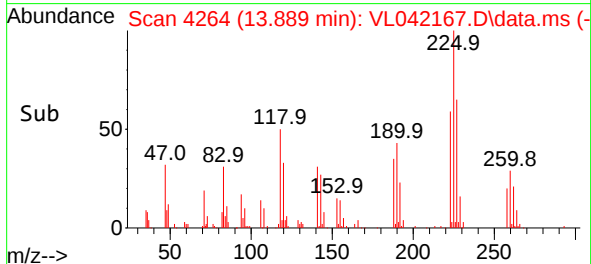
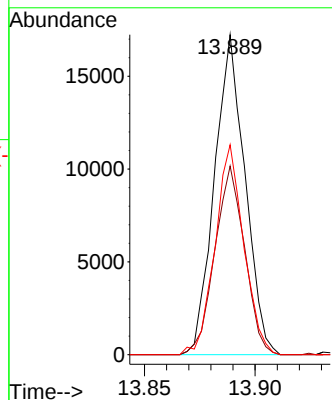
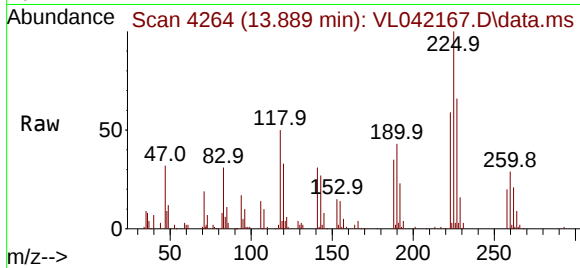




#78
Hexachloro-1,3-Butadiene
Concen: 0.582 ppbv
RT: 13.889 min Scan# 4150
Delta R.T. 0.000 min
Lab File: VL042167.D
Acq: 25 Mar 2025 10:31

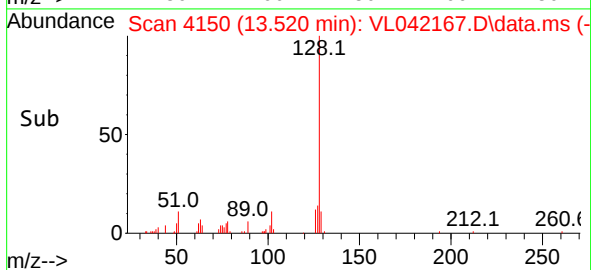
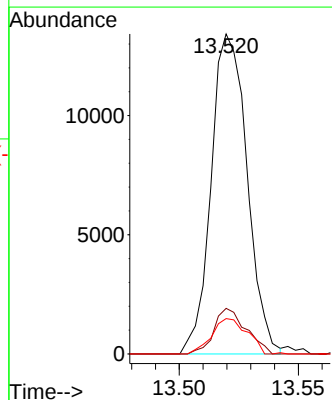
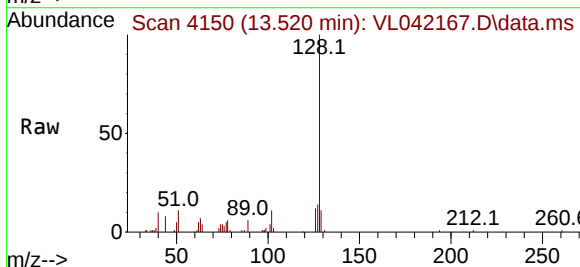
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

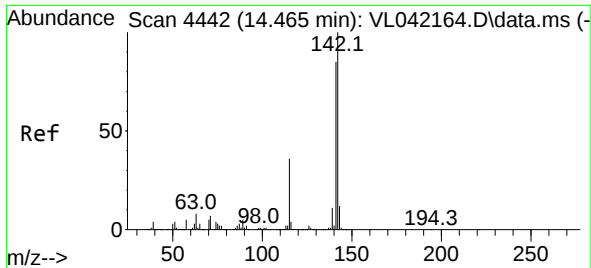
Tgt Ion:225 Resp: 16551
Ion Ratio Lower Upper
225 100
223 57.5 51.1 76.7
227 61.6 50.6 76.0



#79
Naphthalene
Concen: 0.309 ppbv
RT: 13.520 min Scan# 4150
Delta R.T. -0.003 min
Lab File: VL042167.D
Acq: 25 Mar 2025 10:31

Tgt Ion:128 Resp: 14082
Ion Ratio Lower Upper
128 100
127 14.2 10.6 16.0
129 11.0 8.7 13.1

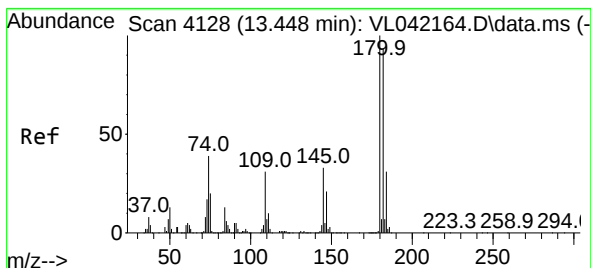
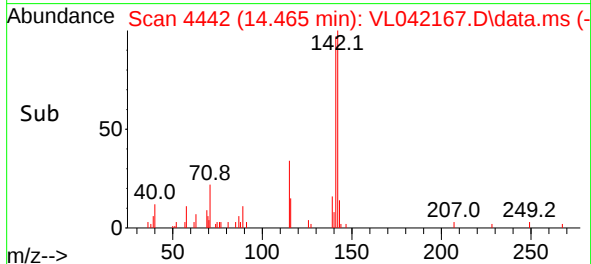
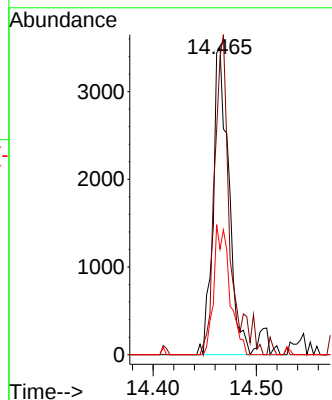
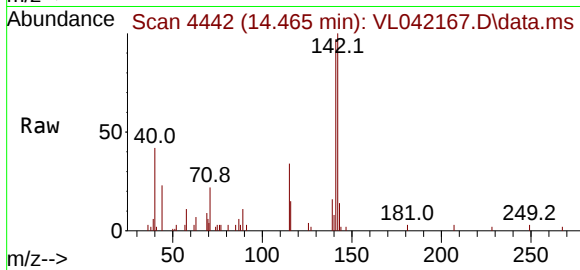




#80
Naphthalene, 2-methyl-
Concen: 0.287 ppbv
RT: 14.465 min Scan# 4442
Delta R.T. 0.000 min
Lab File: VL042167.D
Acq: 25 Mar 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion:	142	Resp:	3903
Ion Ratio	Lower	Upper	
142	100		
141	96.6	66.7	100.1
115	40.5	29.0	43.4



#81
1,2,4-Trichlorobenzene
Concen: 0.333 ppbv
RT: 13.445 min Scan# 4127
Delta R.T. -0.003 min
Lab File: VL042167.D
Acq: 25 Mar 2025 10:31

Tgt Ion:	180	Resp:	8369
Ion Ratio	Lower	Upper	
180	100		
182	94.0	76.3	114.5
184	32.4	24.4	36.6

