

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111825\
 Data File : VL043210.D
 Acq On : 18 Nov 2025 13:24
 Operator : SY/MD
 Sample : VSTDIC015
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Quant Time: Nov 19 00:53:26 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Nov 19 00:48:15 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.784	49	98968	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	258461	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.872	117	211247	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.367	95	159814	10.321	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.200%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	197987	14.184	ppbv	99
3) Chlorodifluoromethane	1.476	51	182813	13.317	ppbv	98
4) Chloromethane	1.531	50	72636	13.918	ppbv	97
5) Vinyl Chloride	1.580	62	71671	12.557	ppbv	96
6) Bromomethane	1.667	94	38265	13.830	ppbv	98
7) Chloroethane	1.703	64	29584	13.309	ppbv	98
8) Dichlorotetrafluoroethane	1.554	85	165709	14.271	ppbv	97
9) Propene	1.771	41	77762	12.212	ppbv	99
10) Heptane	4.972	43	225935	12.934	ppbv	100
11) Trichlorofluoromethane	1.874	101	200703	14.840	ppbv	96
12) 1,1,2-Trichlorotrifluo...	2.137	101	152772	14.469	ppbv	98
13) Ethanol	1.719	45	25468	12.425	ppbv	99
14) Bromoethene	1.781	108	55813	13.789	ppbv	96
15) Acetone	1.832	43	161036	11.712	ppbv	99
16) 1,3-Butadiene	1.609	39	81077	13.226	ppbv	99
17) tert-Butyl alcohol	2.036	59	257617	14.274	ppbv	99
18) 1,1-Dichloroethene	2.033	96	65731	13.370	ppbv	96
19) Isopropyl Alcohol	1.881	45	105271	13.549	ppbv	99
20) Methylene Chloride	2.059	84	59798	15.164	ppbv	93
21) Allyl Chloride	2.094	41	126959	13.724	ppbv	96
22) trans-1,2-Dichloroethene	2.337	96	77386	13.772	ppbv	94
23) Vinyl Acetate	2.457	43	232315	13.995	ppbv	99
24) 1,1-Dichloroethane	2.405	63	155017	14.292	ppbv	98
25) Ethyl Acetate	2.829	43	394074	13.265	ppbv	99
26) Hexane	2.823	57	172303	13.252	ppbv	97
27) Carbon Disulfide	2.150	76	191612	14.435	ppbv	97
28) Methyl tert-Butyl Ether	2.434	73	91132	14.279	ppbv	97
29) Chloroform	2.845	83	262803	14.221	ppbv	100
30) Cyclohexane	3.852	84	152015	13.946	ppbv	94
31) cis-1,2-Dichloroethene	2.716	61	180647	13.978	ppbv	98
32) 1,1,1-Trichloroethane	3.363	97	276915	13.930	ppbv	98
34) 2-Butanone	2.551	43	253855	13.914	ppbv	100
35) Carbon Tetrachloride	3.755	117	279560	14.250	ppbv	96
36) Benzene	3.651	78	348892	14.096	ppbv	99
37) 1,2-Dichloroethane	3.214	62	214248	14.798	ppbv	98
38) Trichloroethene	4.541	130	137027	14.123	ppbv	93
39) 1,2-Dichloropropane	4.302	63	128700	14.206	ppbv	98
40) 1,4-Dioxane	4.571	88	55905	13.728	ppbv #	95
41) Tetrahydrofuran	3.043	42	139722	13.868	ppbv	99
42) Bromodichloromethane	4.480	83	294008	14.721	ppbv	97
43) Methyl Methacrylate	4.872	69	179110	13.633	ppbv	100
44) 2,2,4-Trimethylpentane	4.632	57	595778	14.014	ppbv	99
45) t-1,3-Dichloropropene	6.406	75	177678	14.508	ppbv	100

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Quant Time: Nov 19 00:53:26 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Nov 19 00:48:15 2025
 Response via : Initial Calibration

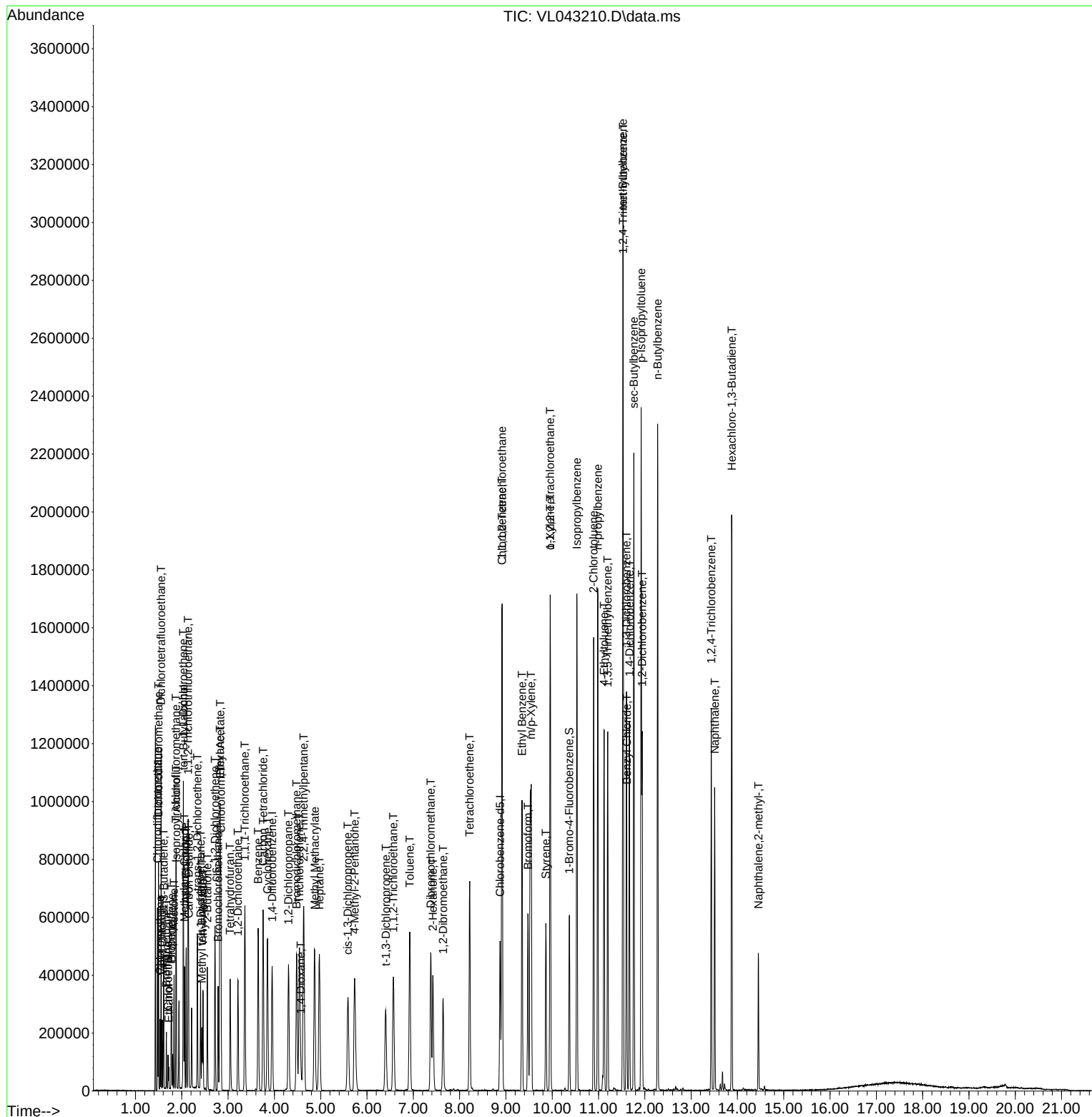
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.587	75	205226	14.270	ppbv	100
47) 1,1,2-Trichloroethane	6.571	97	132701	13.738	ppbv	92
48) Dibromochloromethane	7.377	129	240736	14.564	ppbv	99
49) Bromoform	9.477	173	211325	14.434	ppbv	99
50) 4-Methyl-2-Pentanone	5.732	43	354421	13.790	ppbv	99
51) 2-Hexanone	7.422	43	280742	14.067	ppbv #	100
52) Tetrachloroethene	8.218	164	125132	13.591	ppbv	93
53) Toluene	6.924	91	414411	14.050	ppbv	99
54) 1,2-Dibromoethane	7.642	107	203913	14.413	ppbv	99
56) 1,1,1,2-Tetrachloroethane	8.917	131	214673	13.827	ppbv	99
57) Chlorobenzene	8.914	112	301986	13.923	ppbv	98
58) Ethyl Benzene	9.348	91	579890	14.262	ppbv	99
59) m/p-Xylene	9.545	91	423995	12.959	ppbv #	20
60) o-Xylene	9.956	91	450260	13.826	ppbv	99
61) Styrene	9.862	104	204972	14.382	ppbv	99
62) Isopropylbenzene	10.532	105	803487	13.791	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.956	83	280254	13.557	ppbv	99
64) n-propylbenzene	10.986	120	205637	13.737	ppbv	100
65) tert-Butylbenzene	11.526	119	689352	13.249	ppbv	98
66) Benzyl Chloride	11.610	91	71386	13.520	ppbv	100
67) sec-Butylbenzene	11.762	105	972780	13.394	ppbv	100
69) p-Isopropyltoluene	11.921	119	836888	13.602	ppbv	99
70) n-Butylbenzene	12.277	91	838598	14.050	ppbv	99
71) 2-Chlorotoluene	10.895	91	625884	13.976	ppbv	100
72) 4-Ethyltoluene	11.121	105	553654	13.961	ppbv	99
73) 1,3,5-Trimethylbenzene	11.199	105	460783	13.846	ppbv	97
74) 1,2,4-Trimethylbenzene	11.533	105	486995	13.409	ppbv	97
75) 1,3-Dichlorobenzene	11.604	146	292143	13.784	ppbv	99
76) 1,4-Dichlorobenzene	11.668	146	294723	13.903	ppbv	99
77) 1,2-Dichlorobenzene	11.944	146	273467	13.420	ppbv	98
78) Hexachloro-1,3-Butadiene	13.876	225	211153	12.416	ppbv	99
79) Naphthalene	13.510	128	473229	14.670	ppbv	99
80) Naphthalene,2-methyl-	14.452	142	139019	16.418	ppbv	99
81) 1,2,4-Trichlorobenzene	13.436	180	216260	14.990	ppbv	99

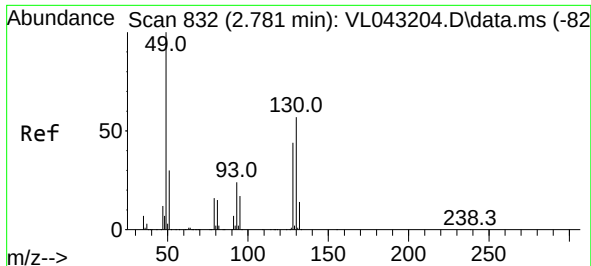
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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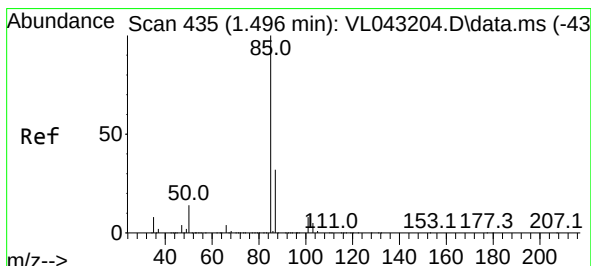
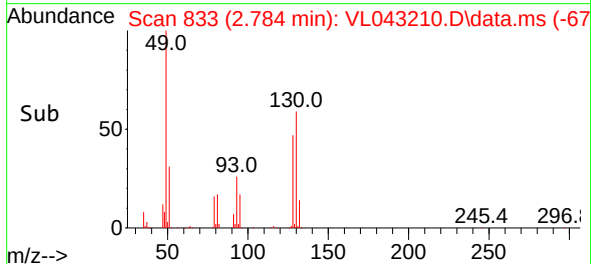
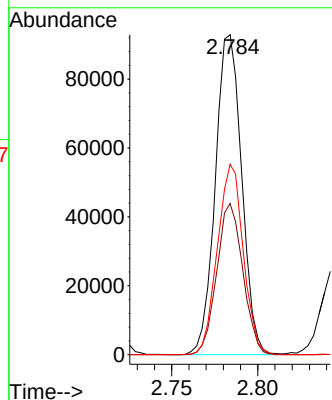
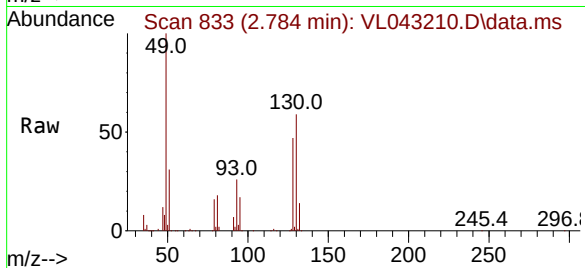




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

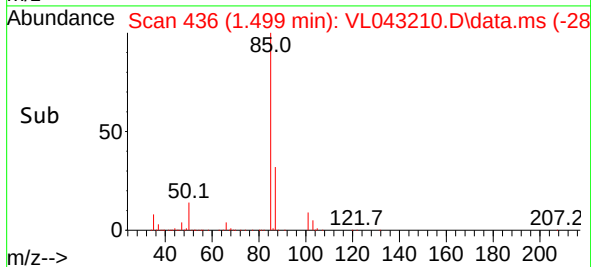
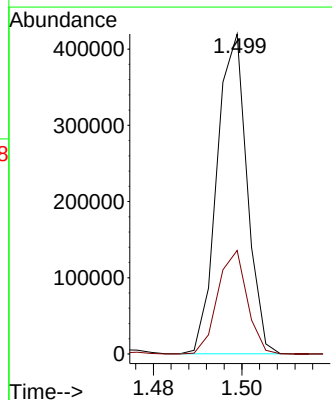
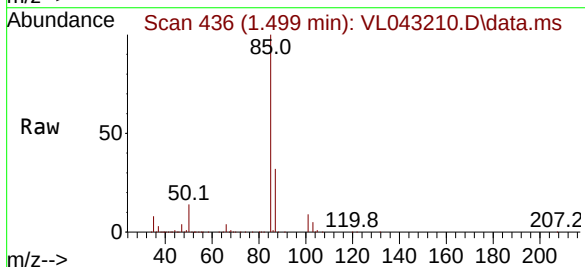
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

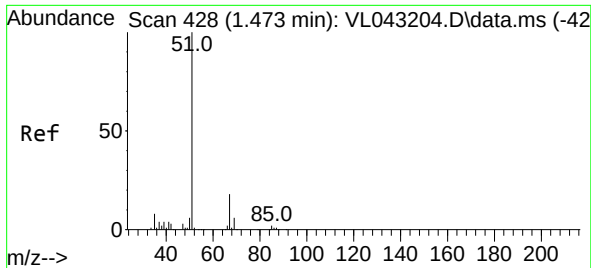
Tgt Ion: 49 Resp: 98968
Ion Ratio Lower Upper
49 100
128 46.7 23.0 69.0
130 58.4 29.9 89.7



#2
Dichlorodifluoromethane
Concen: 14.184 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion: 85 Resp: 197987
Ion Ratio Lower Upper
85 100
87 32.4 25.4 38.2

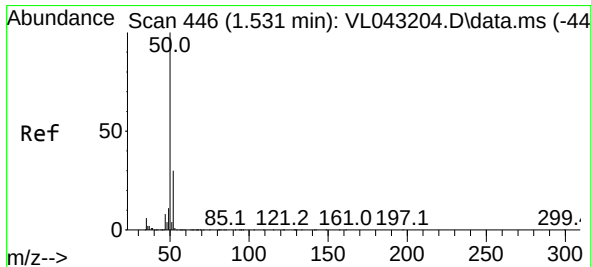
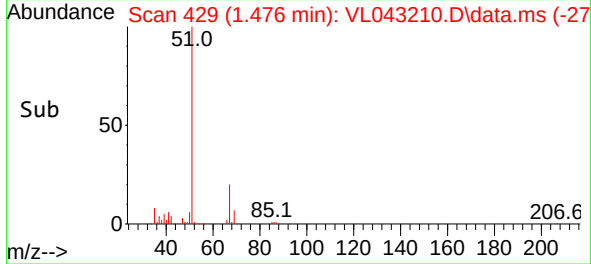
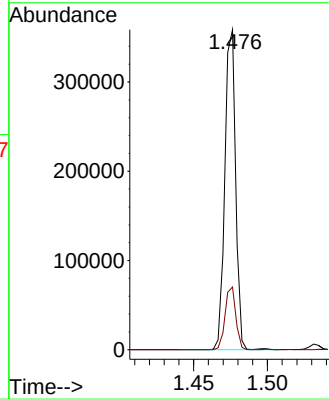
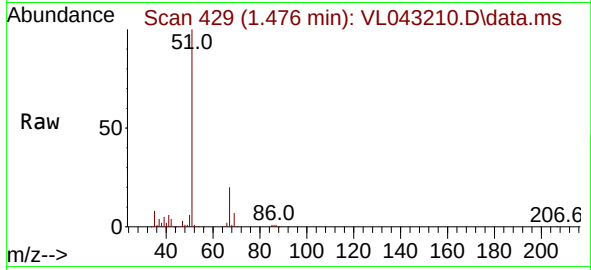




#3
Chlorodifluoromethane
Concen: 13.317 ppbv
RT: 1.476 min Scan# 428
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

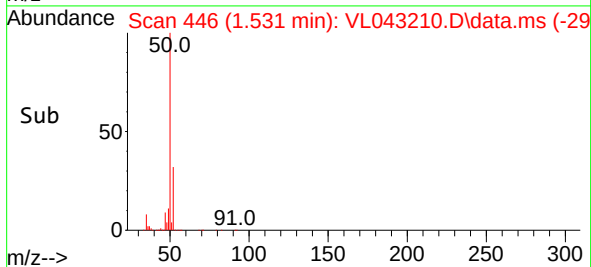
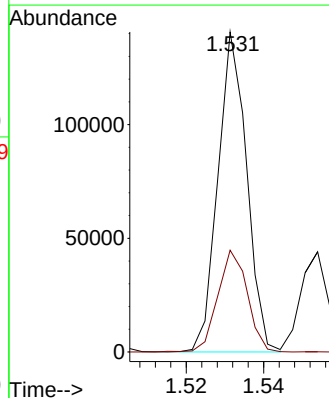
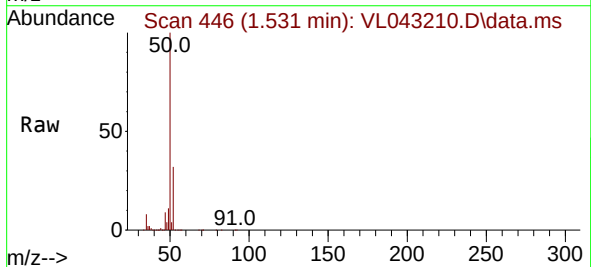
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

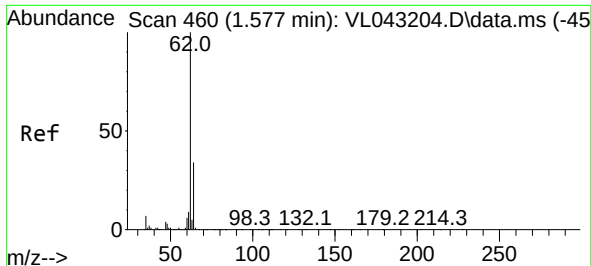
Tgt Ion: 51 Resp: 182813
Ion Ratio Lower Upper
51 100
67 19.7 14.9 22.3



#4
Chloromethane
Concen: 13.918 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion: 50 Resp: 72636
Ion Ratio Lower Upper
50 100
52 31.7 24.1 36.1

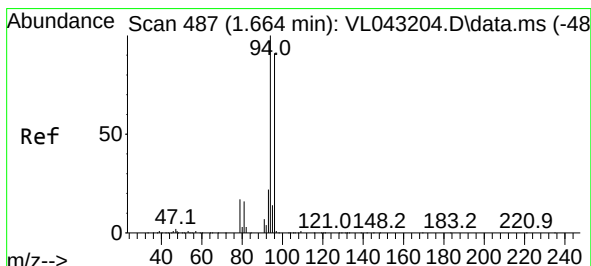
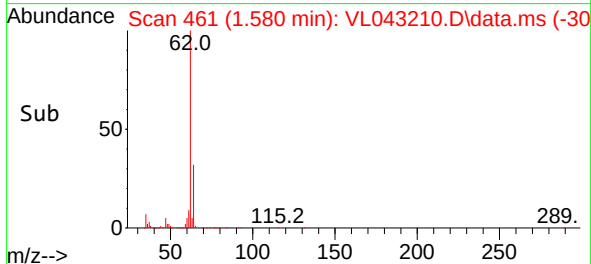
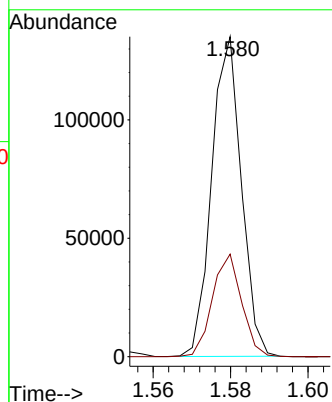
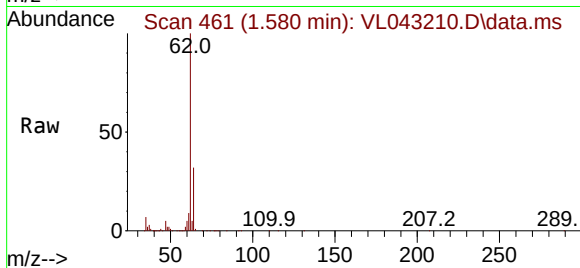




#5
 Vinyl Chloride
 Concen: 12.557 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. 0.003 min
 Lab File: VL043210.D
 Acq: 18 Nov 2025 13:24

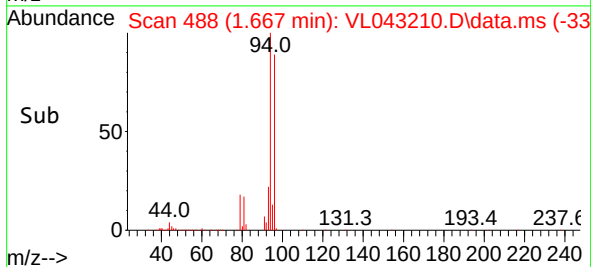
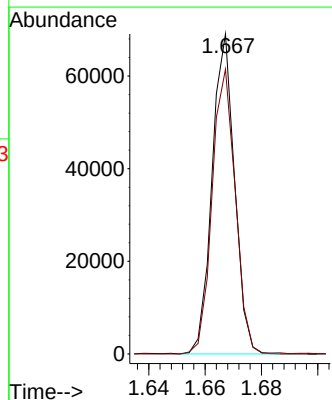
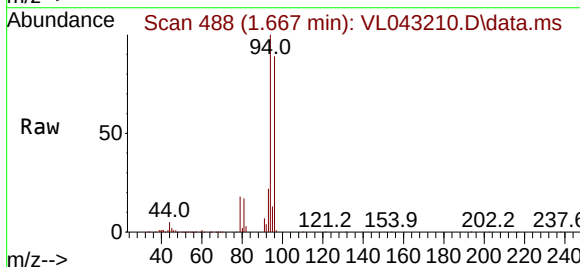
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC015

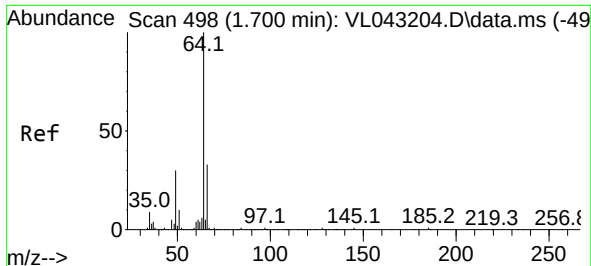
Tgt Ion: 62 Resp: 71671
 Ion Ratio Lower Upper
 62 100
 64 32.0 27.3 40.9



#6
 Bromomethane
 Concen: 13.830 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. 0.003 min
 Lab File: VL043210.D
 Acq: 18 Nov 2025 13:24

Tgt Ion: 94 Resp: 38265
 Ion Ratio Lower Upper
 94 100
 96 89.0 72.9 109.3

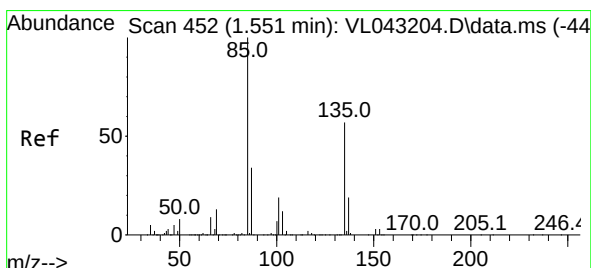
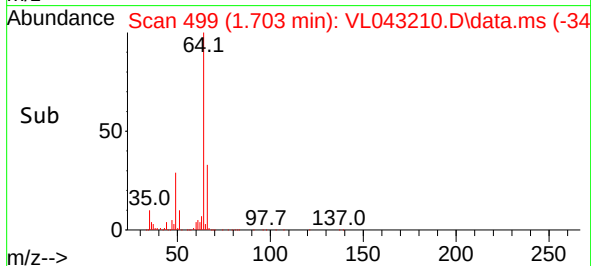
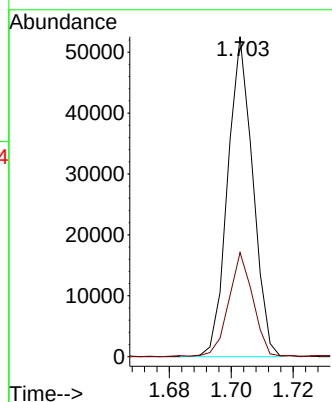
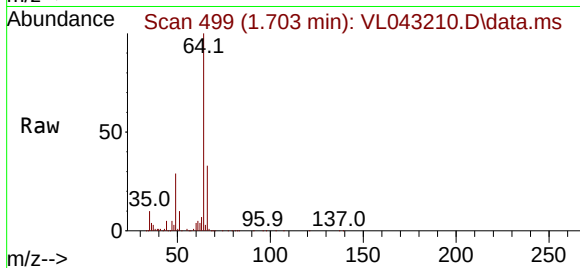




#7
Chloroethane
Concen: 13.309 ppbv
RT: 1.703 min Scan# 498
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

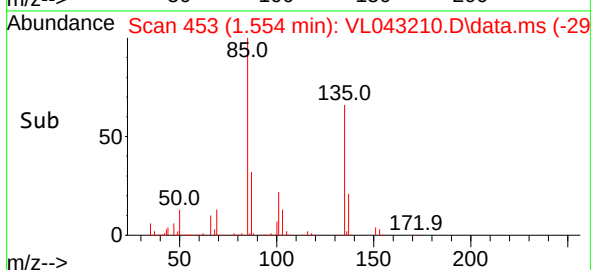
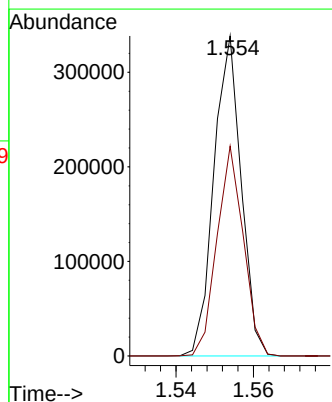
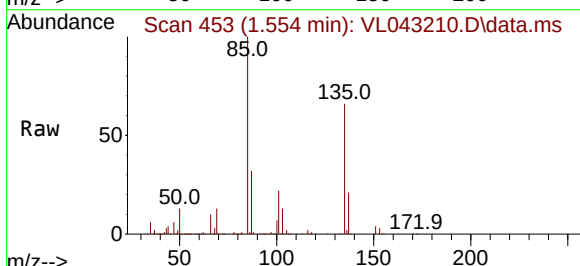
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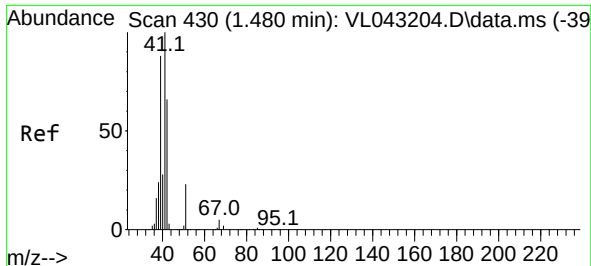
Tgt Ion: 64 Resp: 29584
Ion Ratio Lower Upper
64 100
66 32.6 26.8 40.2



#8
Dichlorotetrafluoroethane
Concen: 14.271 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion: 85 Resp: 165709
Ion Ratio Lower Upper
85 100
135 63.7 52.6 79.0





#9

Propene

Concen: 12.212 ppbv

RT: 1.771 min Scan# 51

Delta R.T. 0.291 min

Lab File: VL043210.D

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Instrument :

MSVOA_L

ClientSampleId :

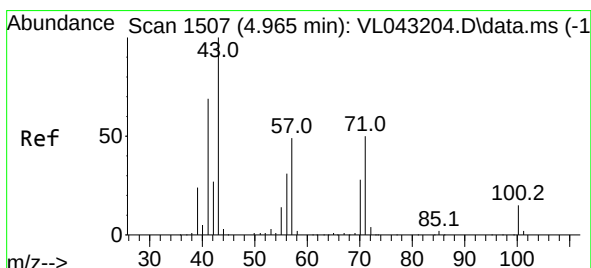
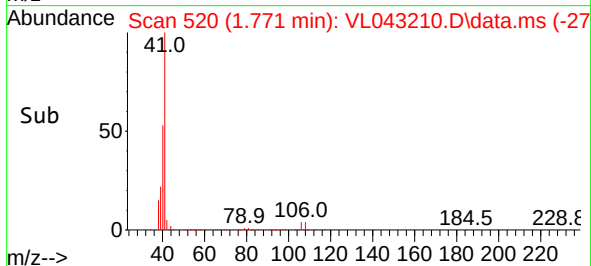
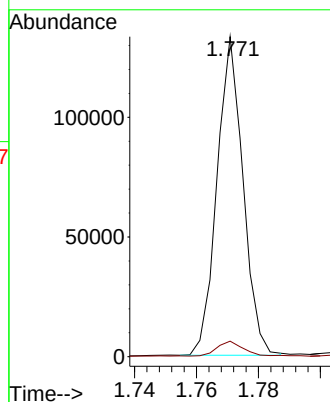
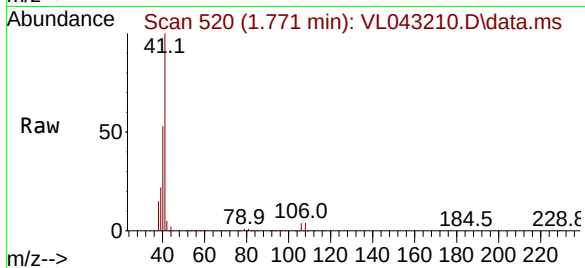
VSTDIC015

Tgt Ion: 41 Resp: 77762

Ion Ratio Lower Upper

41 100

42 5.1 3.7 5.5



#10

Heptane

Concen: 12.934 ppbv

RT: 4.972 min Scan# 1509

Delta R.T. 0.006 min

Lab File: VL043210.D

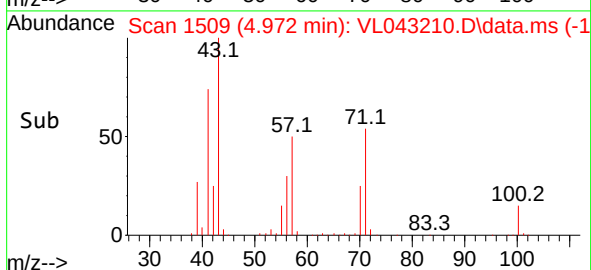
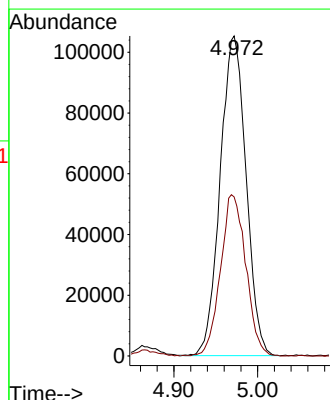
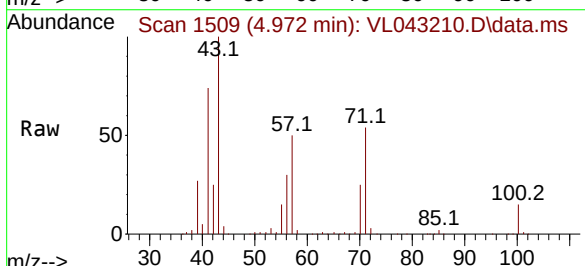
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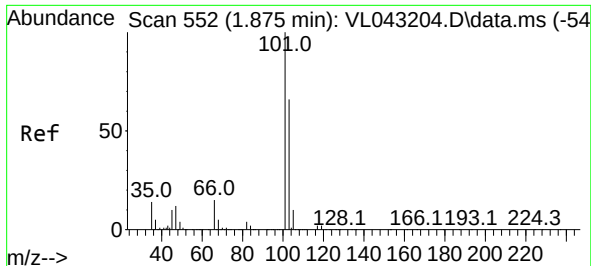
Tgt Ion: 43 Resp: 225935

Ion Ratio Lower Upper

43 100

57 49.4 39.7 59.5

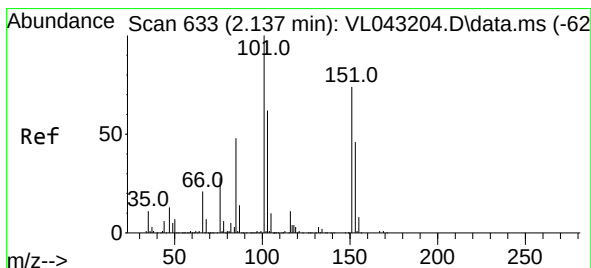
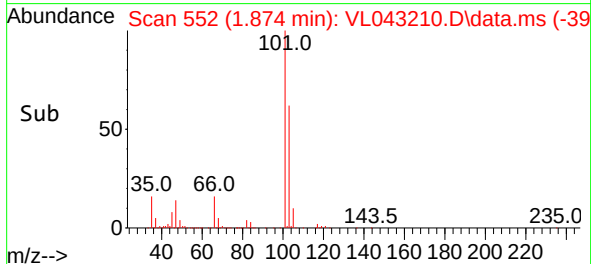
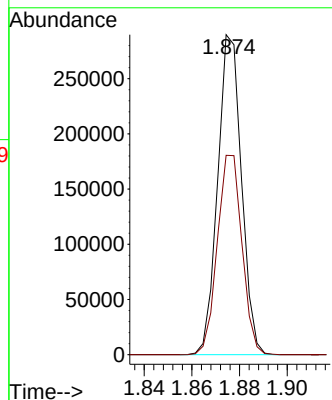
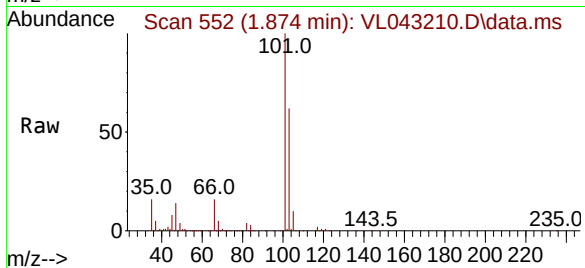




#11
 Trichlorofluoromethane
 Concen: 14.840 ppbv
 RT: 1.874 min Scan# 511
 Delta R.T. -0.000 min
 Lab File: VL043210.D
 Acq: 18 Nov 2025 13:24

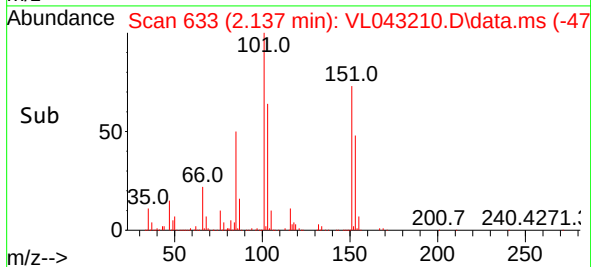
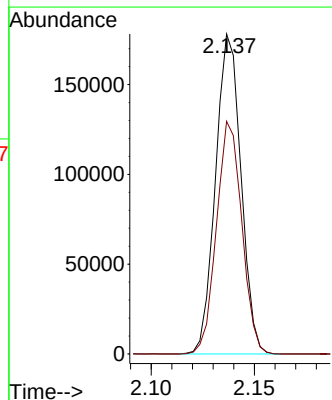
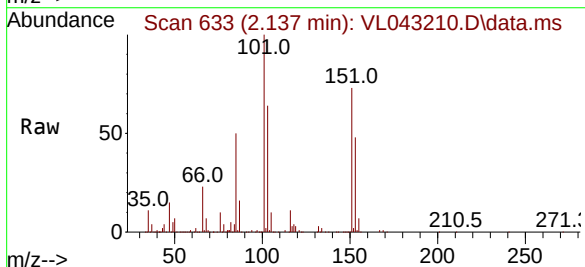
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

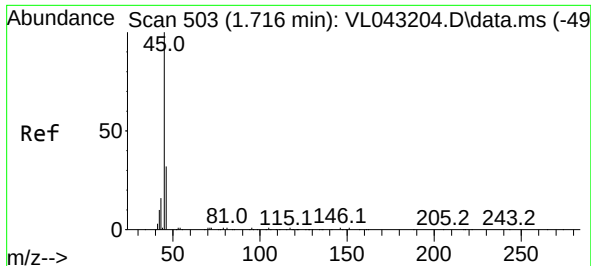
Tgt Ion:101 Resp: 200703
 Ion Ratio Lower Upper
 101 100
 103 62.3 52.6 79.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 14.469 ppbv
 RT: 2.137 min Scan# 633
 Delta R.T. -0.000 min
 Lab File: VL043210.D
 Acq: 18 Nov 2025 13:24

Tgt Ion:101 Resp: 152772
 Ion Ratio Lower Upper
 101 100
 151 72.3 59.2 88.8

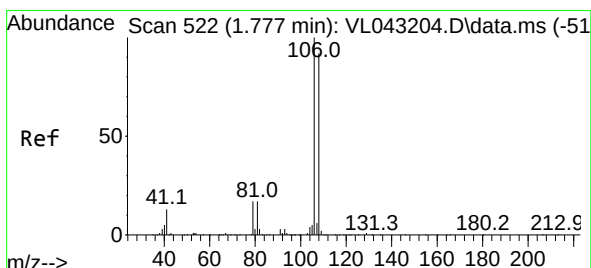
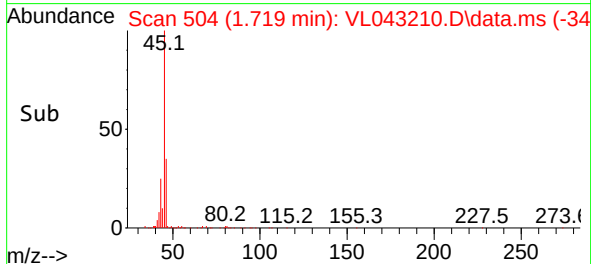
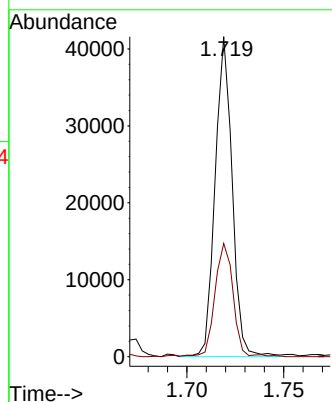
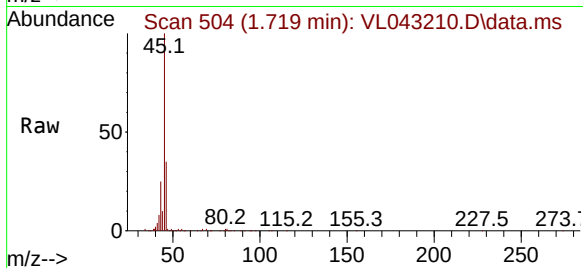




#13
 Ethanol
 Concen: 12.425 ppbv
 RT: 1.719 min Scan# 503
 Delta R.T. 0.003 min
 Lab File: VL043210.D
 Acq: 18 Nov 2025 13:24

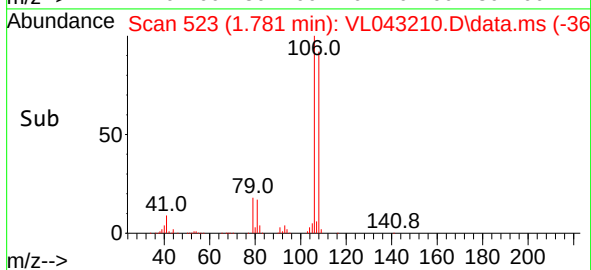
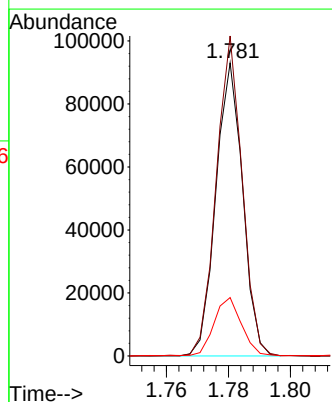
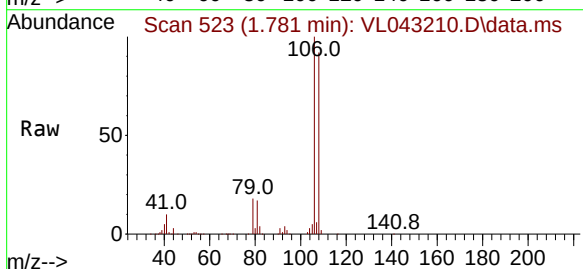
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

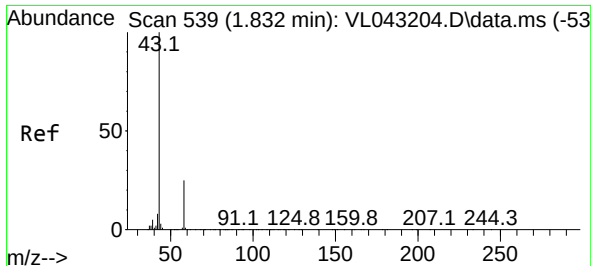
Tgt Ion: 45 Resp: 25468
 Ion Ratio Lower Upper
 45 100
 46 37.9 15.0 59.8



#14
 Bromoethene
 Concen: 13.789 ppbv
 RT: 1.781 min Scan# 523
 Delta R.T. 0.003 min
 Lab File: VL043210.D
 Acq: 18 Nov 2025 13:24

Tgt Ion: 108 Resp: 55813
 Ion Ratio Lower Upper
 108 100
 106 105.8 88.9 133.3
 79 20.6 16.5 24.7

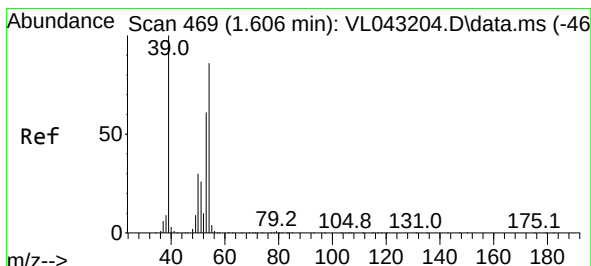
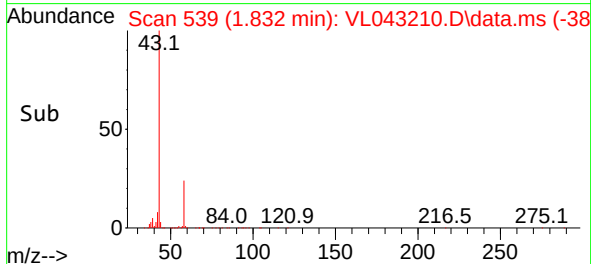
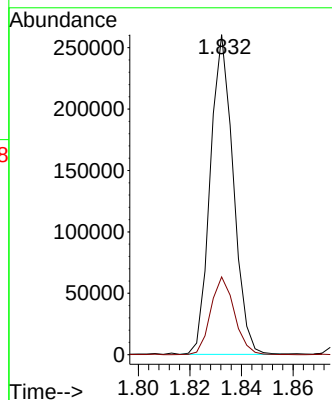
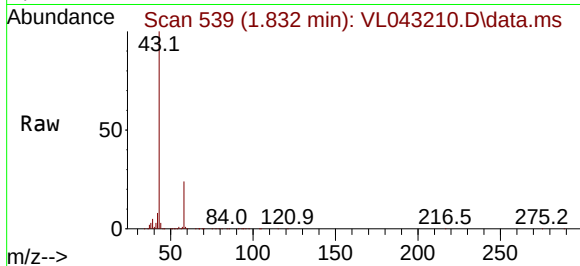




#15
Acetone
Concen: 11.712 ppbv
RT: 1.832 min Scan# 51
Delta R.T. -0.000 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

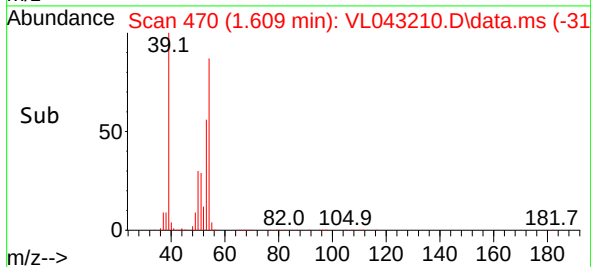
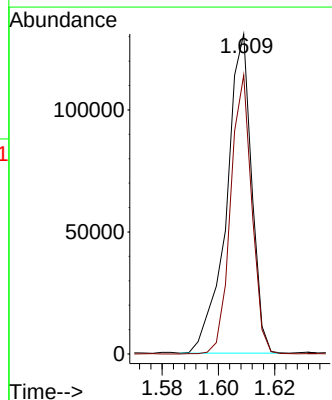
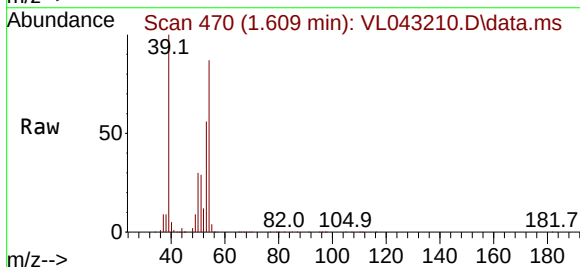
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

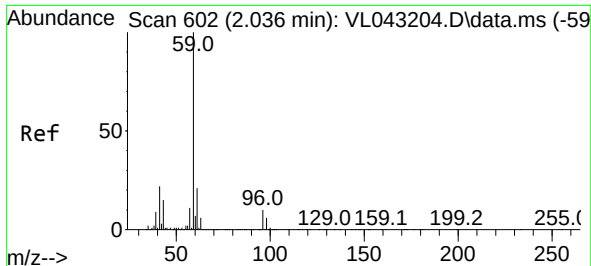
Tgt Ion: 43 Resp: 161036
Ion Ratio Lower Upper
43 100
58 25.1 20.7 31.1



#16
1,3-Butadiene
Concen: 13.226 ppbv
RT: 1.609 min Scan# 470
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion: 39 Resp: 81077
Ion Ratio Lower Upper
39 100
54 73.5 59.4 89.2





#17

tert-Butyl alcohol

Concen: 14.274 ppbv

RT: 2.036 min Scan# 602

Delta R.T. -0.000 min

Lab File: VL043210.D

Acq: 18 Nov 2025 13:24

Instrument :

MSVOA_1

ClientSampleId :

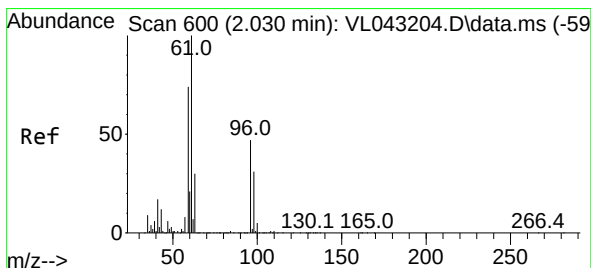
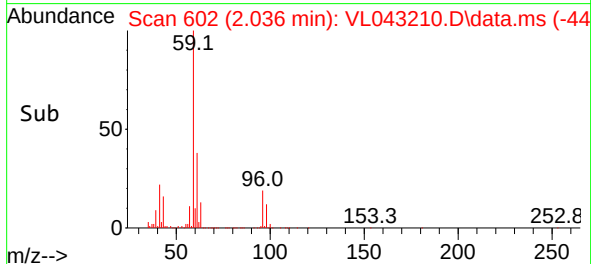
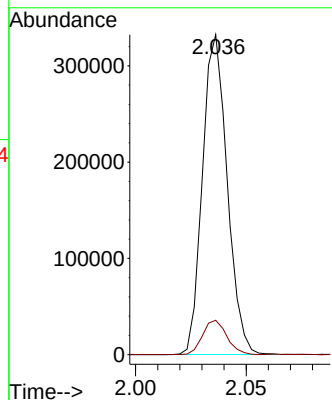
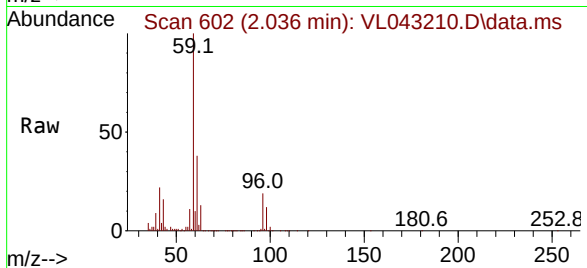
VSTDIC015

Tgt Ion: 59 Resp: 257617

Ion Ratio Lower Upper

59 100

57 10.9 9.0 13.4



#18

1,1-Dichloroethene

Concen: 13.370 ppbv

RT: 2.033 min Scan# 601

Delta R.T. 0.003 min

Lab File: VL043210.D

Acq: 18 Nov 2025 13:24

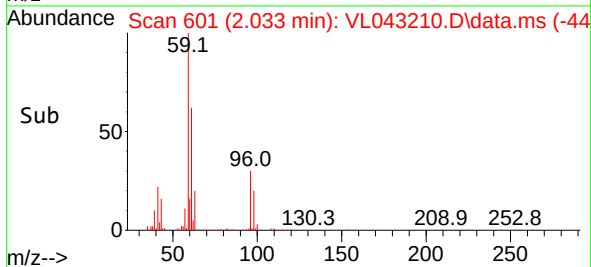
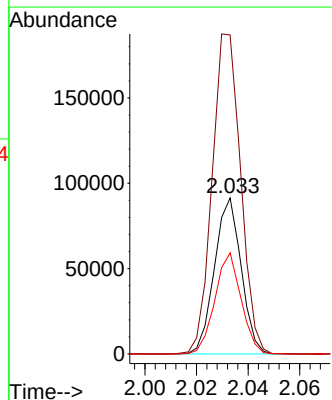
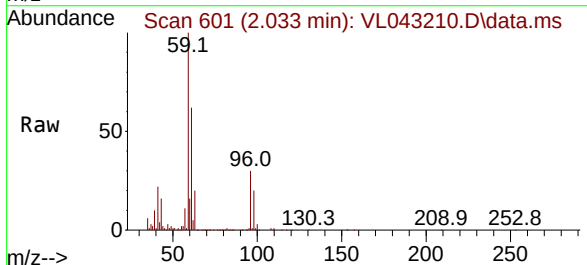
Tgt Ion: 96 Resp: 65731

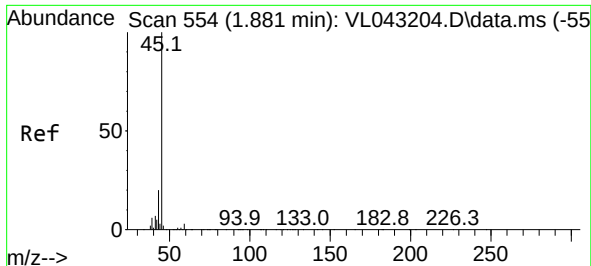
Ion Ratio Lower Upper

96 100

61 204.3 170.6 255.8

98 64.7 52.2 78.4

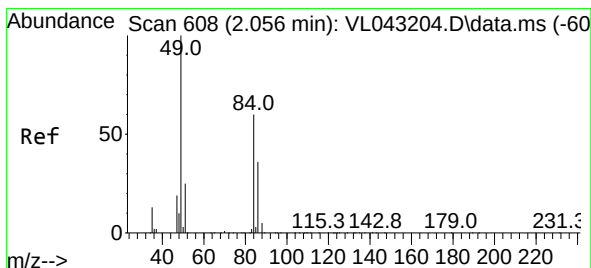
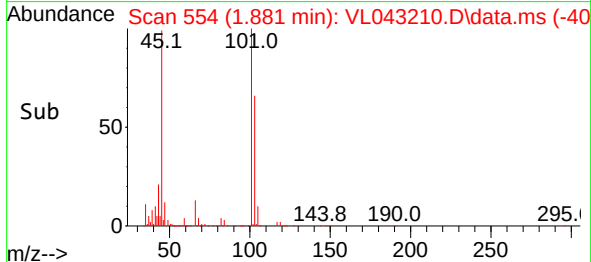
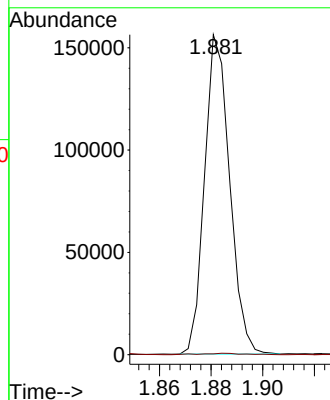
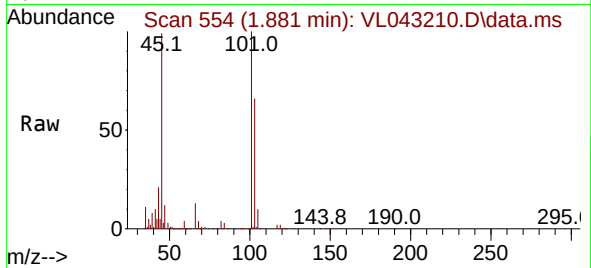




#19
Isopropyl Alcohol
Concen: 13.549 ppbv
RT: 1.881 min Scan# 51
Delta R.T. -0.000 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

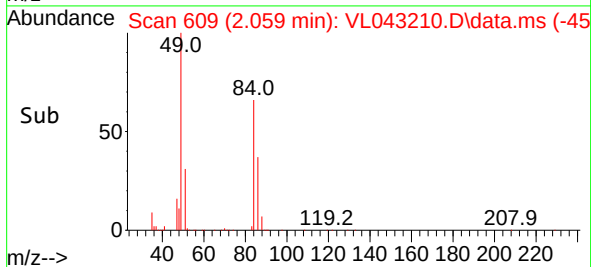
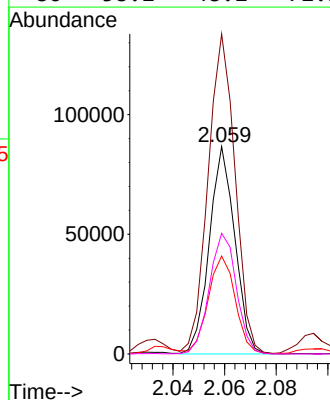
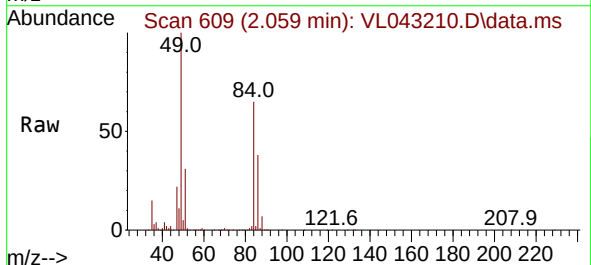
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

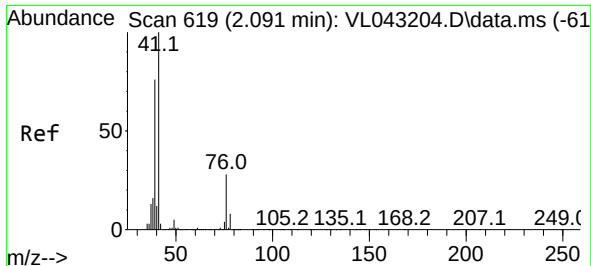
Tgt Ion: 45 Resp: 105271
Ion Ratio Lower Upper
45 100
58 38.5 31.3 46.9



#20
Methylene Chloride
Concen: 15.164 ppbv
RT: 2.059 min Scan# 609
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion: 84 Resp: 59798
Ion Ratio Lower Upper
84 100
49 153.8 132.9 199.3
51 47.0 34.8 52.2
86 58.2 48.2 72.2

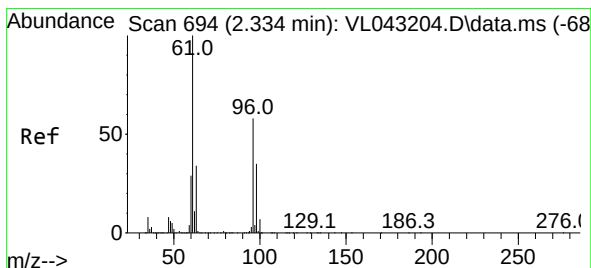
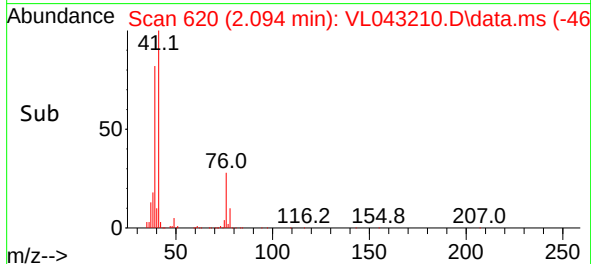
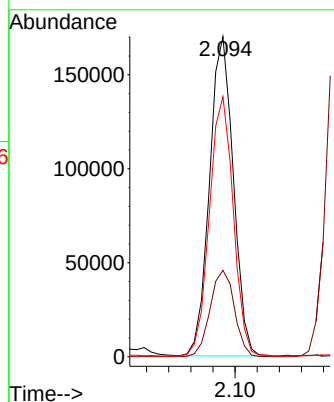
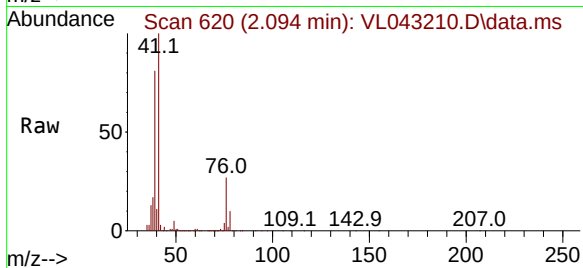




#21
 Allyl Chloride
 Concen: 13.724 ppbv
 RT: 2.094 min Scan# 619
 Delta R.T. 0.003 min
 Lab File: VL043210.D
 Acq: 18 Nov 2025 13:24

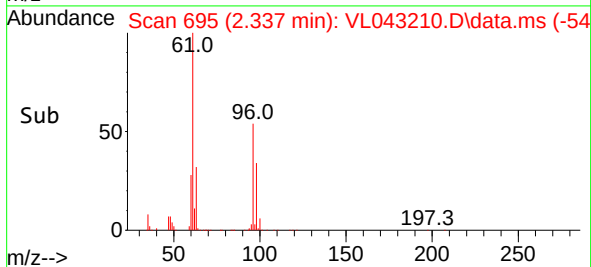
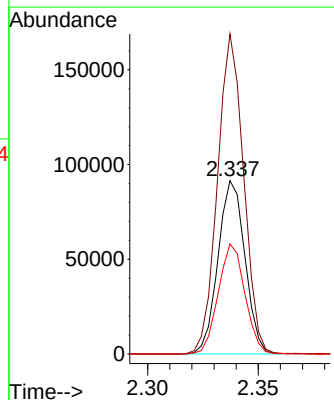
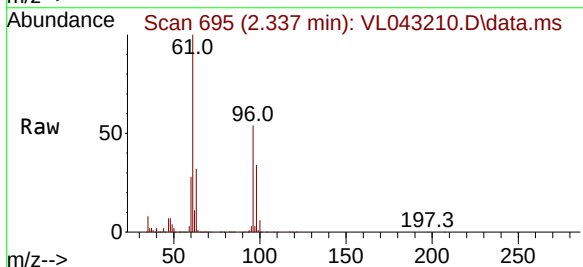
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

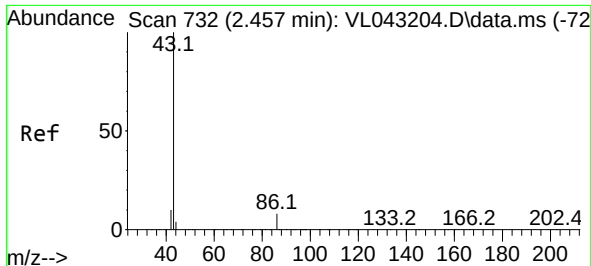
Tgt Ion: 41 Resp: 126959
 Ion Ratio Lower Upper
 41 100
 76 27.5 22.1 33.1
 39 81.3 61.0 91.4



#22
 trans-1,2-Dichloroethene
 Concen: 13.772 ppbv
 RT: 2.337 min Scan# 695
 Delta R.T. 0.003 min
 Lab File: VL043210.D
 Acq: 18 Nov 2025 13:24

Tgt Ion: 96 Resp: 77386
 Ion Ratio Lower Upper
 96 100
 61 184.6 139.0 208.6
 98 63.5 49.4 74.2



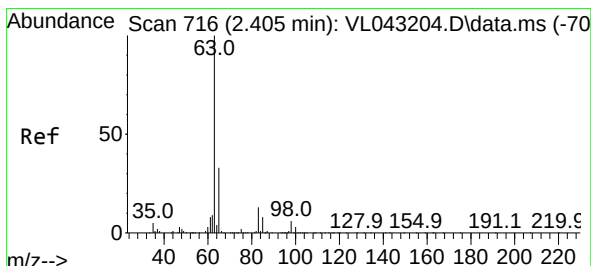
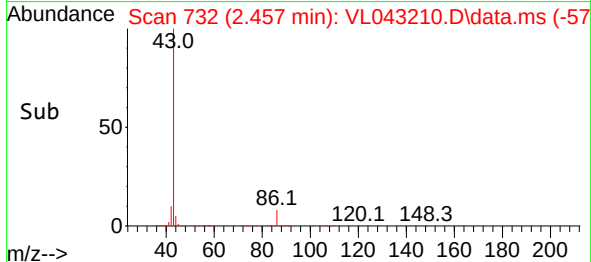
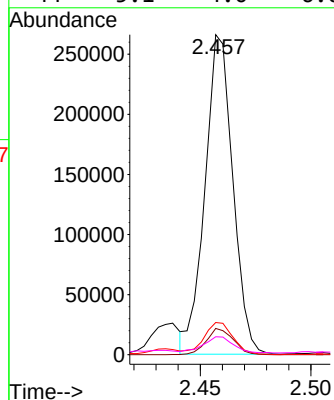
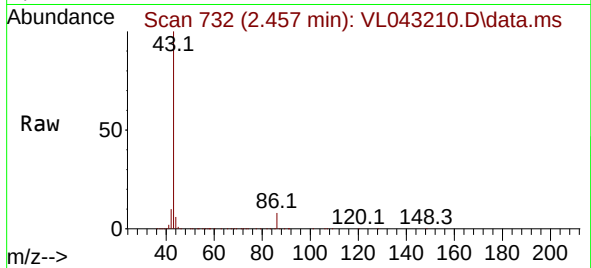


#23
 Vinyl Acetate
 Concen: 13.995 ppbv
 RT: 2.457 min Scan# 716
 Delta R.T. -0.000 min
 Lab File: VL043210.D
 Acq: 18 Nov 2025 13:24

Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC015

Tgt Ion: 43 Resp: 232315

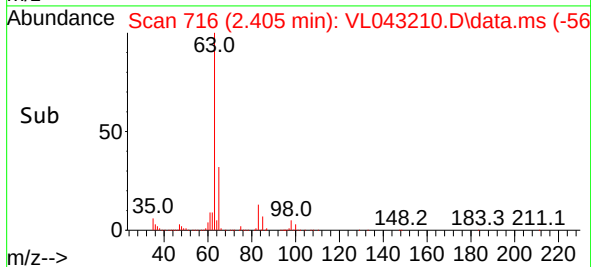
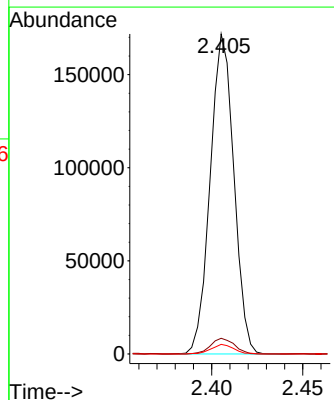
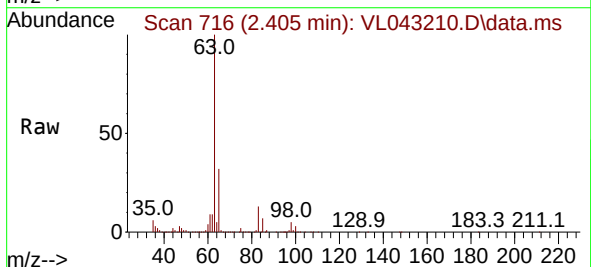
Ion	Ratio	Lower	Upper
43	100		
86	8.2	6.2	9.2
42	10.1	8.0	12.0
44	5.1	4.0	6.0

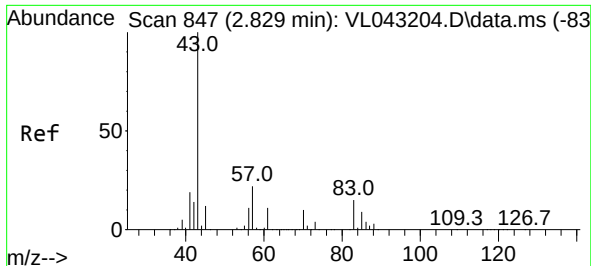


#24
 1,1-Dichloroethane
 Concen: 14.292 ppbv
 RT: 2.405 min Scan# 716
 Delta R.T. -0.000 min
 Lab File: VL043210.D
 Acq: 18 Nov 2025 13:24

Tgt Ion: 63 Resp: 155017

Ion	Ratio	Lower	Upper
63	100		
98	4.9	2.8	8.4
100	3.0	1.3	3.9



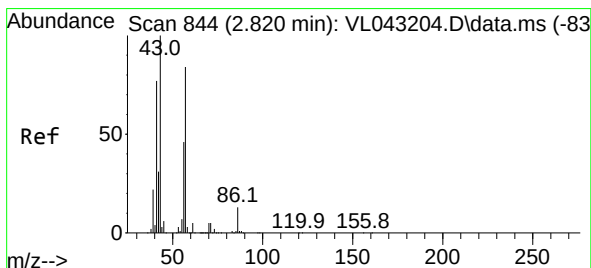
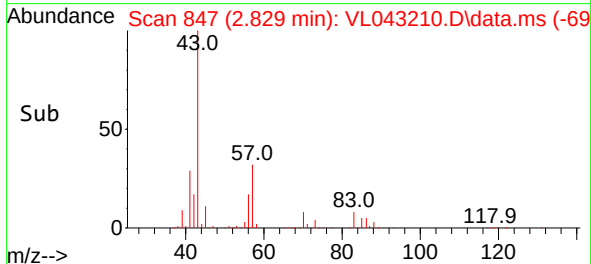
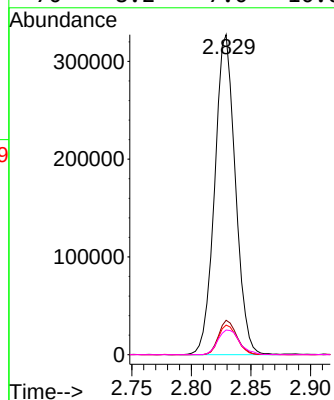
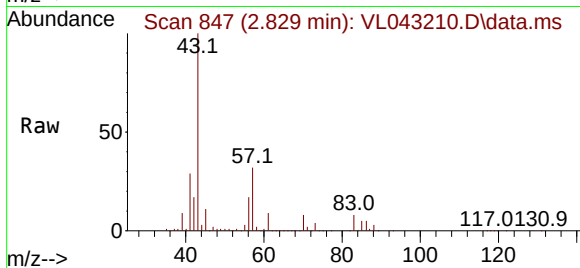


#25
Ethyl Acetate
Concen: 13.265 ppbv
RT: 2.829 min Scan# 847
Delta R.T. -0.000 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 43 Resp: 394074

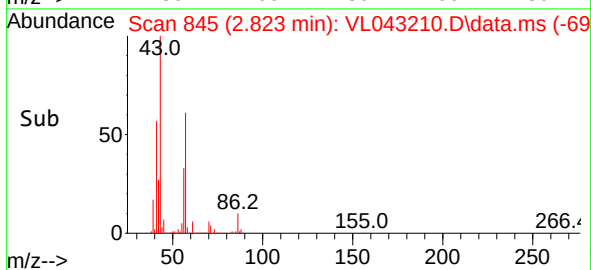
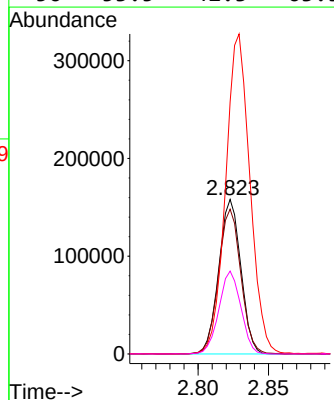
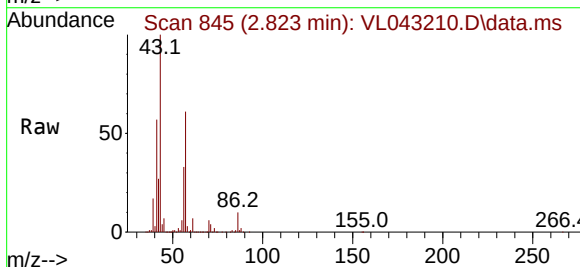
Ion	Ratio	Lower	Upper
43	100		
45	9.5	8.1	12.1
61	8.4	7.0	10.4
70	8.2	7.0	10.6

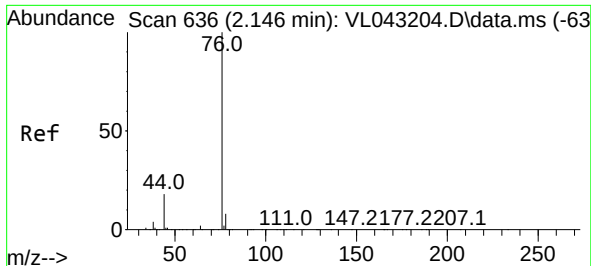


#26
Hexane
Concen: 13.252 ppbv
RT: 2.823 min Scan# 845
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion: 57 Resp: 172303

Ion	Ratio	Lower	Upper
57	100		
41	95.4	74.6	111.8
43	229.0	179.0	268.4
56	53.5	42.3	63.5





#27

Carbon Disulfide

Concen: 14.435 ppbv

RT: 2.150 min Scan# 61

Delta R.T. 0.003 min

Lab File: VL043210.D

Acq: 18 Nov 2025 13:24

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC015

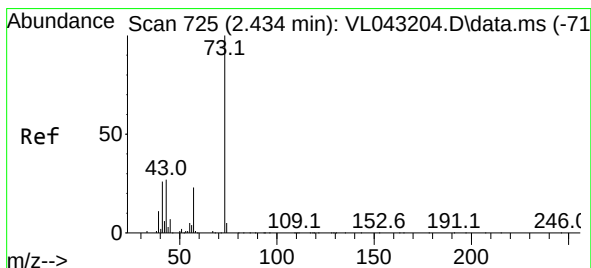
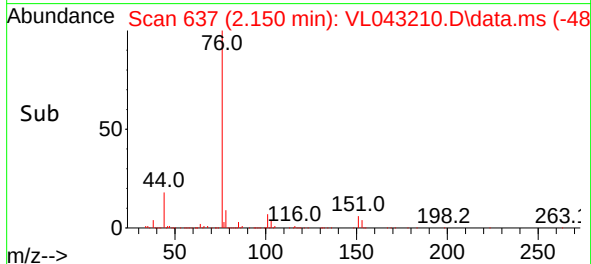
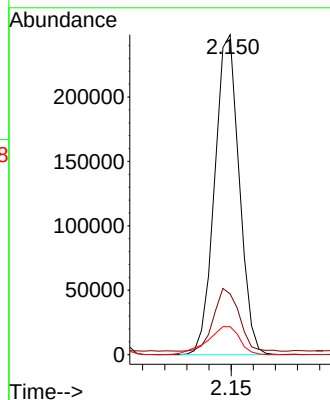
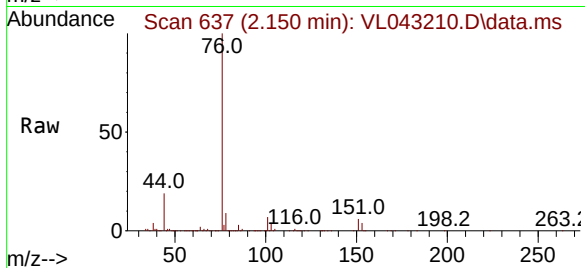
Tgt Ion: 76 Resp: 191612

Ion Ratio Lower Upper

76 100

44 22.2 16.1 24.1

78 11.5 9.6 14.4



#28

Methyl tert-Butyl Ether

Concen: 14.279 ppbv

RT: 2.434 min Scan# 725

Delta R.T. -0.000 min

Lab File: VL043210.D

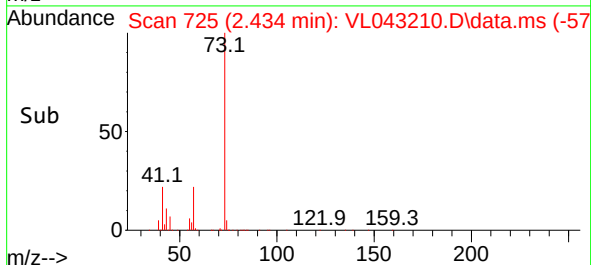
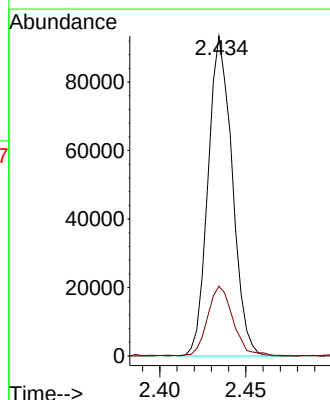
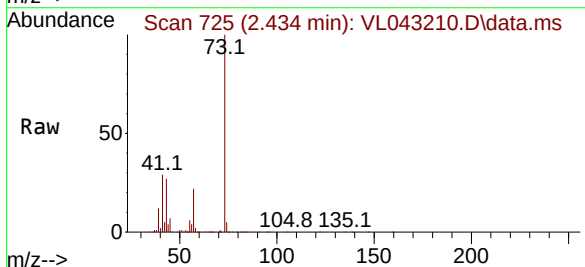
Acq: 18 Nov 2025 13:24

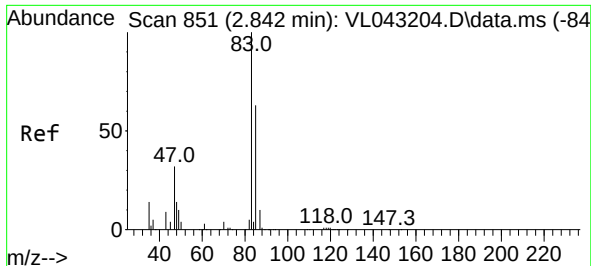
Tgt Ion: 73 Resp: 91132

Ion Ratio Lower Upper

73 100

57 23.5 19.8 29.8





#29

Chloroform

Concen: 14.221 ppbv

RT: 2.845 min Scan# 81

Delta R.T. 0.003 min

Lab File: VL043210.D

Acq: 18 Nov 2025 13:24

Instrument :

MSVOA_L

ClientSampleId :

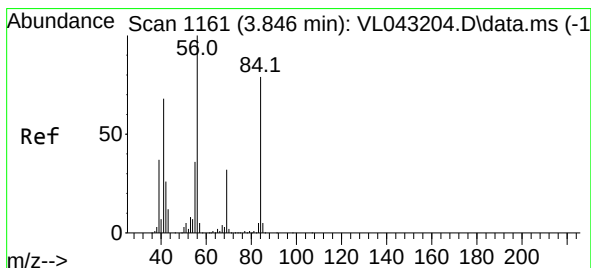
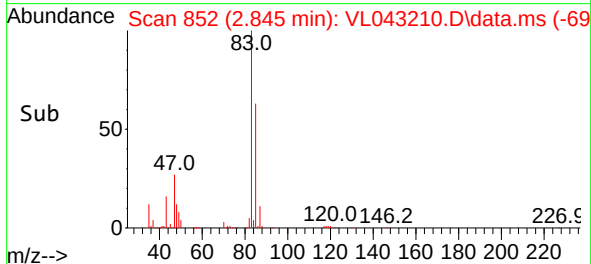
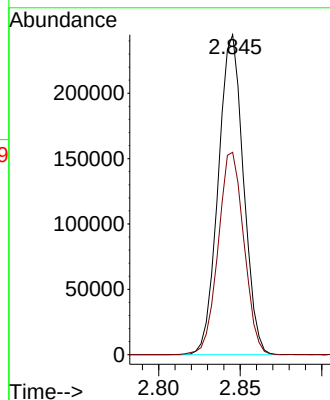
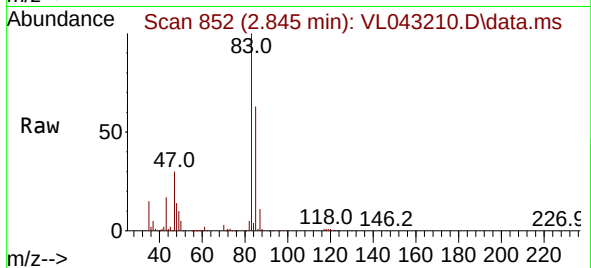
VSTDIC015

Tgt Ion: 83 Resp: 262803

Ion Ratio Lower Upper

83 100

85 63.2 50.5 75.7



#30

Cyclohexane

Concen: 13.946 ppbv

RT: 3.852 min Scan# 1163

Delta R.T. 0.006 min

Lab File: VL043210.D

Acq: 18 Nov 2025 13:24

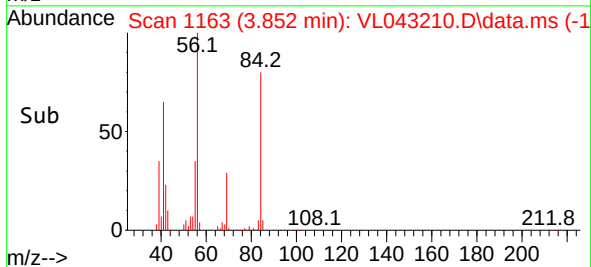
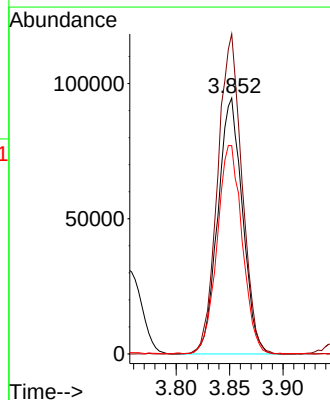
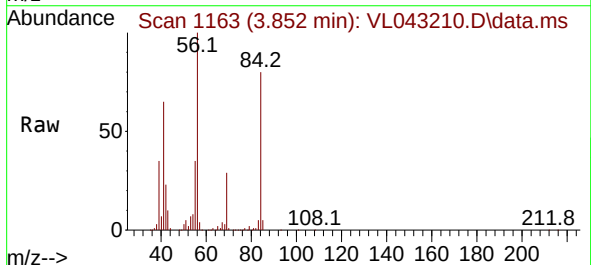
Tgt Ion: 84 Resp: 152015

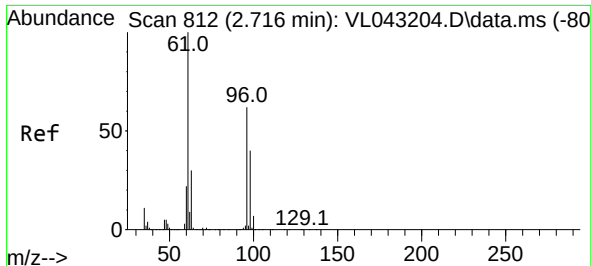
Ion Ratio Lower Upper

84 100

56 123.0 104.7 157.1

41 82.7 69.0 103.6

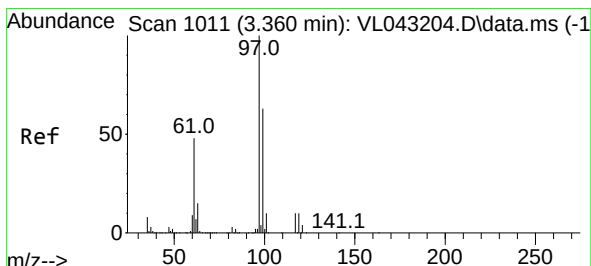
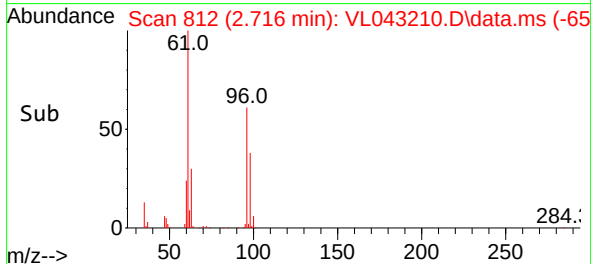
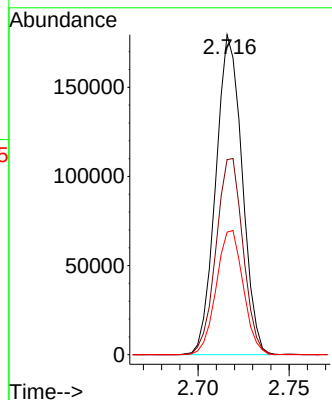
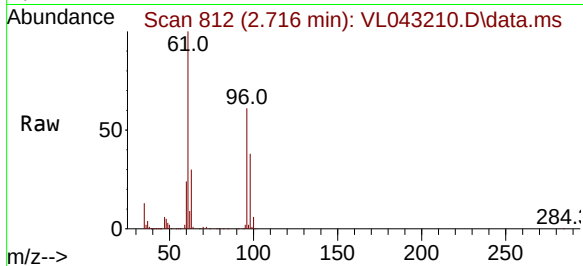




#31
 cis-1,2-Dichloroethene
 Concen: 13.978 ppbv
 RT: 2.716 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VL043210.D
 Acq: 18 Nov 2025 13:24

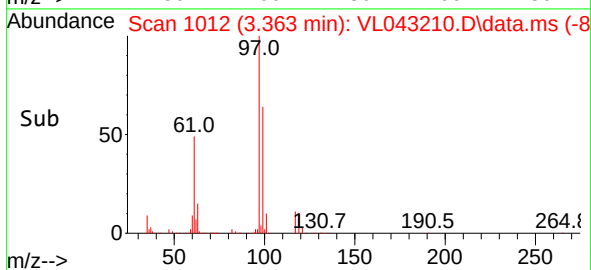
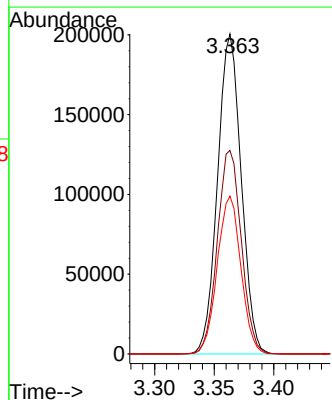
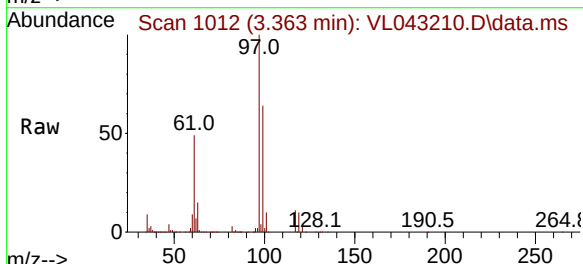
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC015

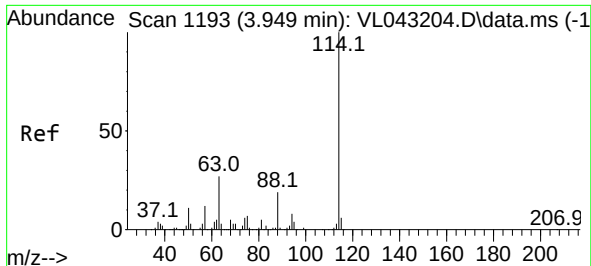
Tgt Ion: 61 Resp: 180647
 Ion Ratio Lower Upper
 61 100
 96 60.9 49.3 73.9
 98 38.3 32.1 48.1



#32
 1,1,1-Trichloroethane
 Concen: 13.930 ppbv
 RT: 3.363 min Scan# 1012
 Delta R.T. 0.003 min
 Lab File: VL043210.D
 Acq: 18 Nov 2025 13:24

Tgt Ion: 97 Resp: 276915
 Ion Ratio Lower Upper
 97 100
 99 64.4 50.3 75.5
 61 49.3 38.9 58.3

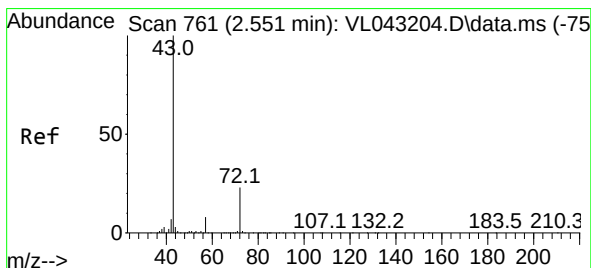
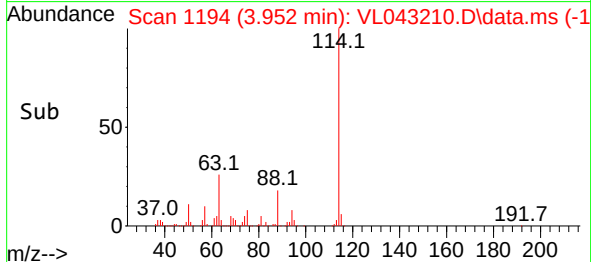
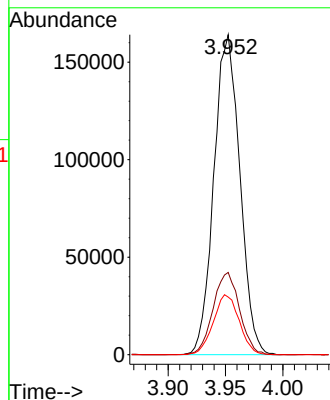
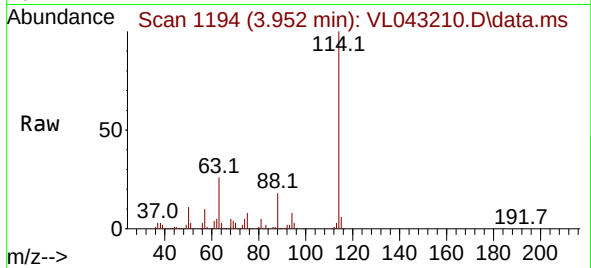




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.952 min Scan# 1194
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

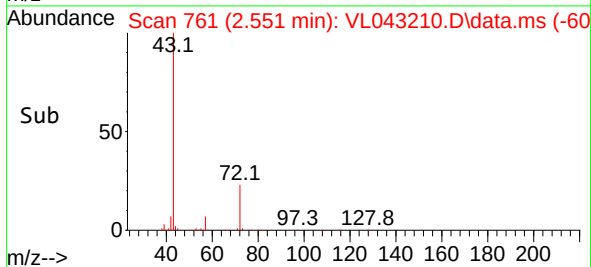
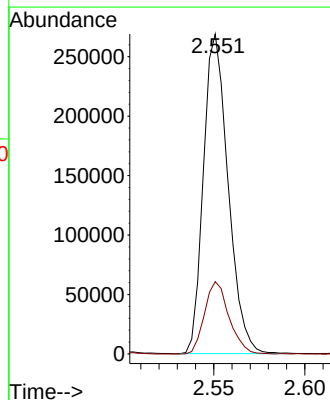
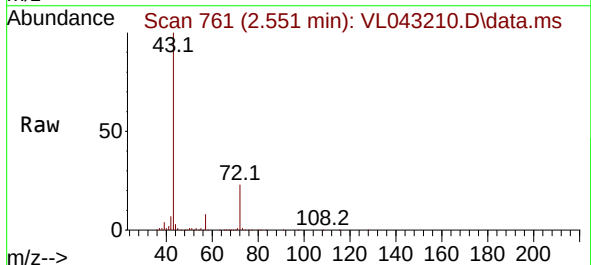
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

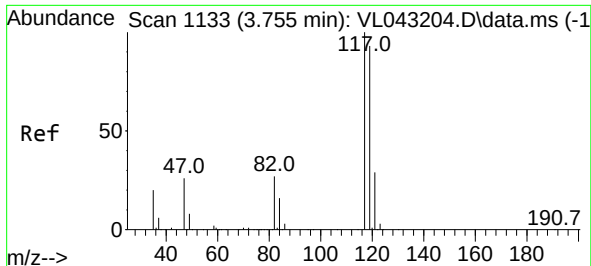
Tgt Ion:114 Resp: 258461
Ion Ratio Lower Upper
114 100
63 26.2 21.0 31.6
88 18.8 14.9 22.3



#34
2-Butanone
Concen: 13.914 ppbv
RT: 2.551 min Scan# 761
Delta R.T. -0.000 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion: 43 Resp: 253855
Ion Ratio Lower Upper
43 100
72 22.4 18.1 27.1

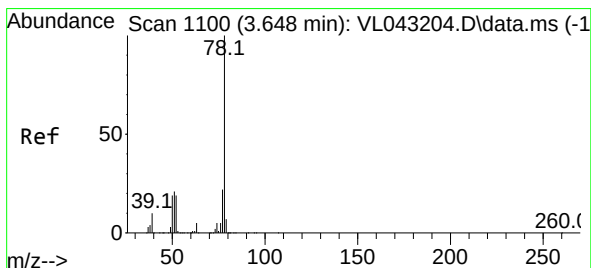
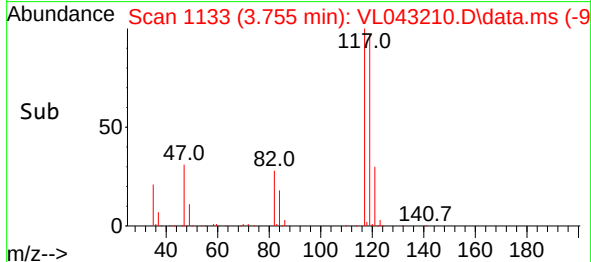
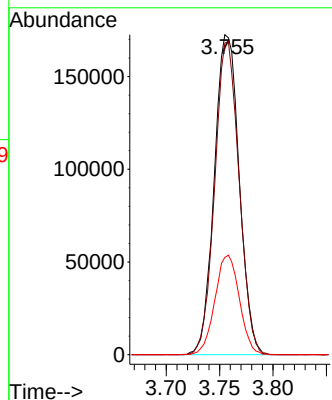
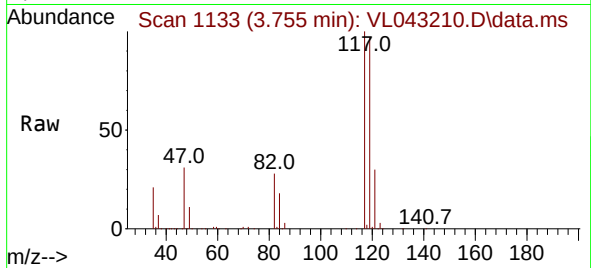




#35
Carbon Tetrachloride
Concen: 14.250 ppbv
RT: 3.755 min Scan# 1133
Delta R.T. -0.000 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

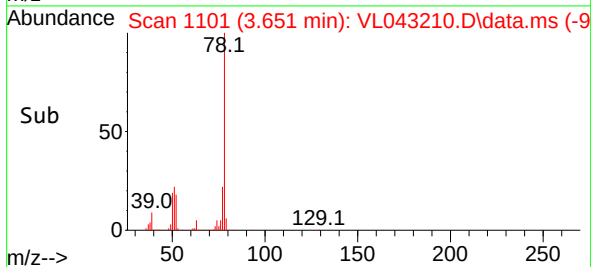
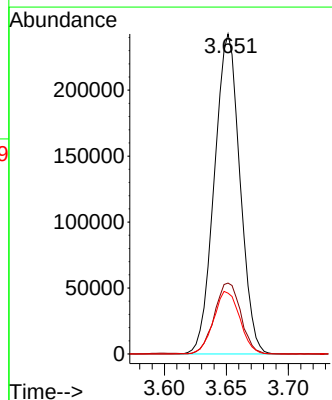
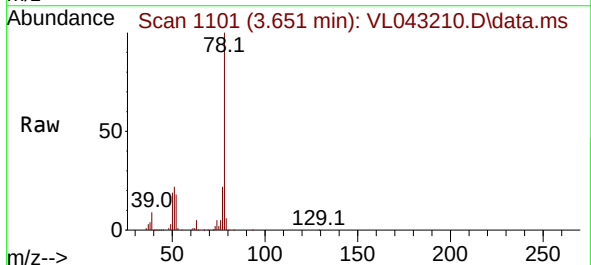
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

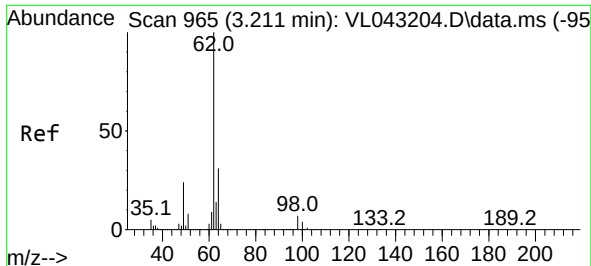
Tgt Ion:117 Resp: 279560
Ion Ratio Lower Upper
117 100
119 97.4 74.6 112.0
121 30.4 23.2 34.8



#36
Benzene
Concen: 14.096 ppbv
RT: 3.651 min Scan# 1101
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion: 78 Resp: 348892
Ion Ratio Lower Upper
78 100
77 22.1 17.5 26.3
50 19.0 15.5 23.3

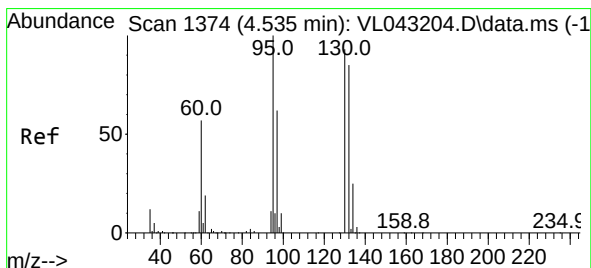
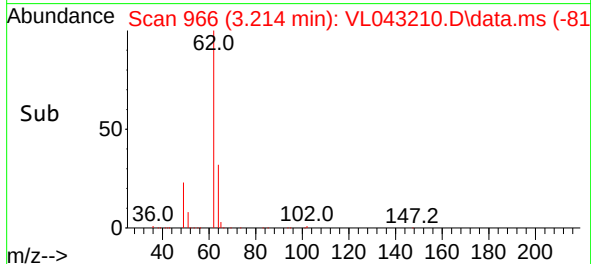
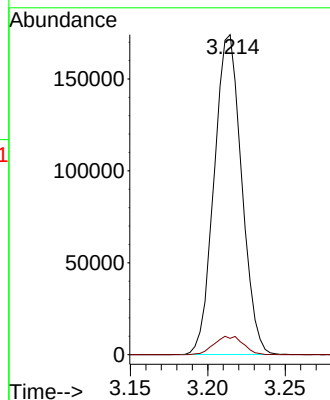
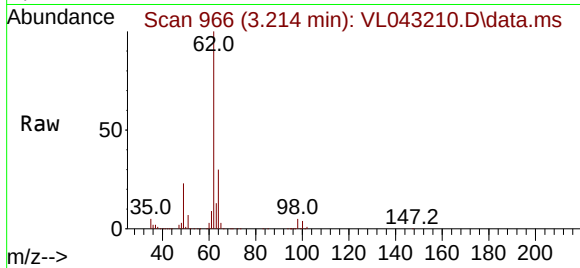




#37
1,2-Dichloroethane
Concen: 14.798 ppbv
RT: 3.214 min Scan# 965
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

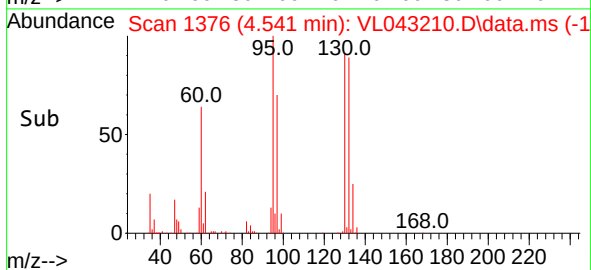
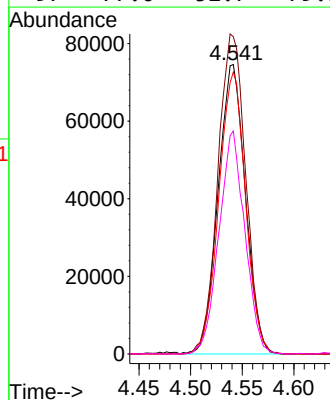
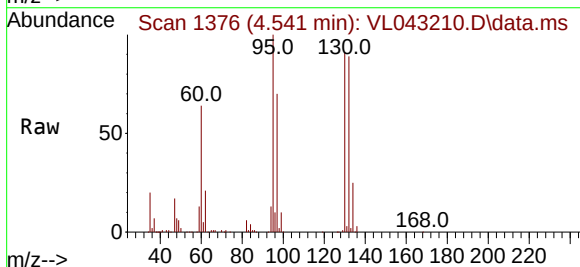
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC015

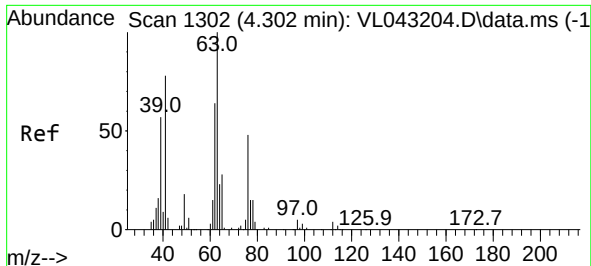
Tgt Ion: 62 Resp: 214248
Ion Ratio Lower Upper
62 100
98 6.1 5.5 8.3



#38
Trichloroethene
Concen: 14.123 ppbv
RT: 4.541 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion:130 Resp: 137027
Ion Ratio Lower Upper
130 100
95 109.6 85.7 128.5
132 97.4 73.4 110.0
97 77.0 52.7 79.1





#39

1,2-Dichloropropane

Concen: 14.206 ppbv

RT: 4.302 min Scan# 1

Delta R.T. -0.000 min

Lab File: VL043210.D

Acq: 18 Nov 2025 13:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

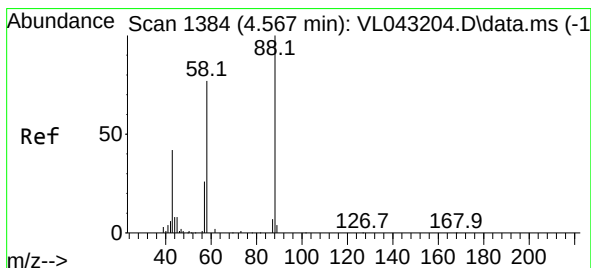
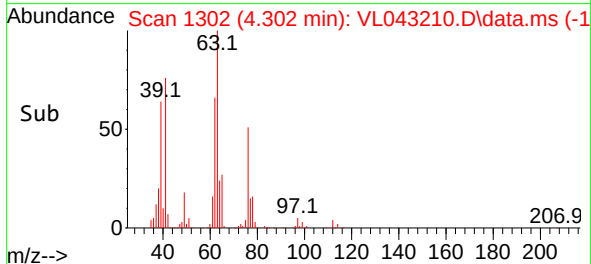
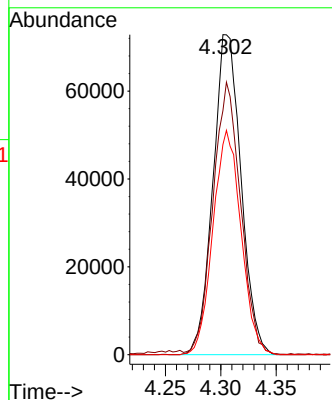
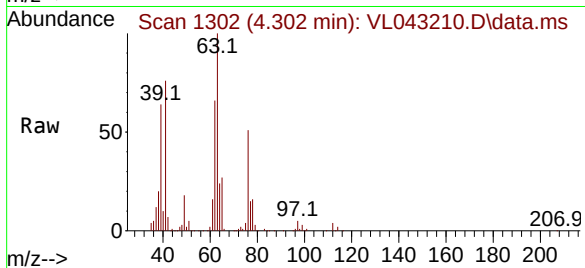
Tgt Ion: 63 Resp: 128700

Ion Ratio Lower Upper

63 100

41 75.9 62.6 93.8

62 65.6 51.0 76.6



#40

1,4-Dioxane

Concen: 13.728 ppbv

RT: 4.571 min Scan# 1385

Delta R.T. 0.003 min

Lab File: VL043210.D

Acq: 18 Nov 2025 13:24

Tgt Ion: 88 Resp: 55905

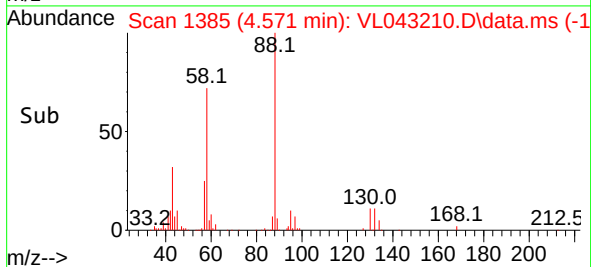
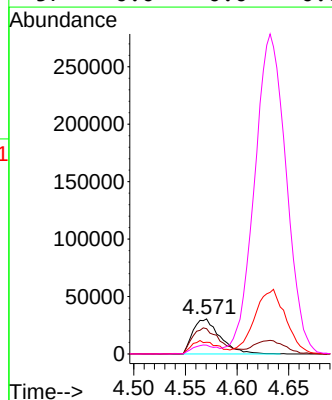
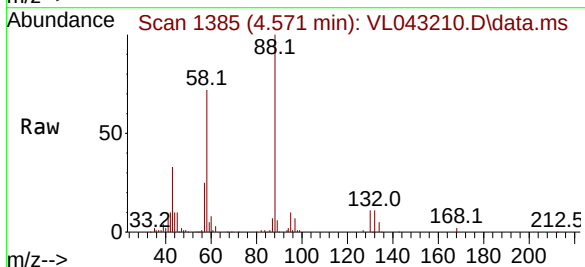
Ion Ratio Lower Upper

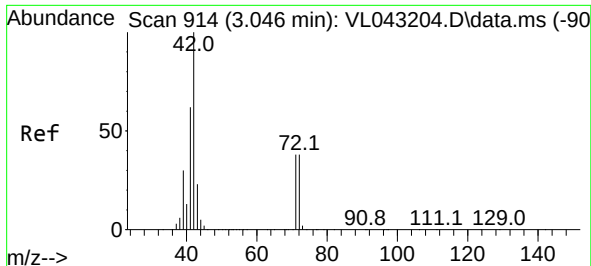
88 100

58 76.7 63.0 94.6

43 34.0 32.5 48.7

57 0.0 0.0 0.0

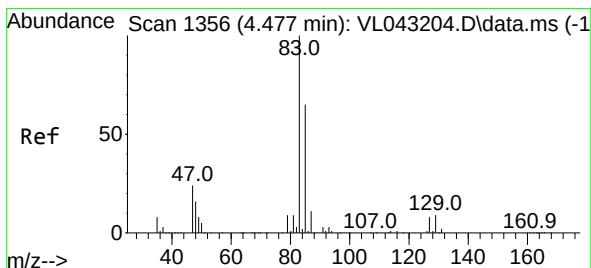
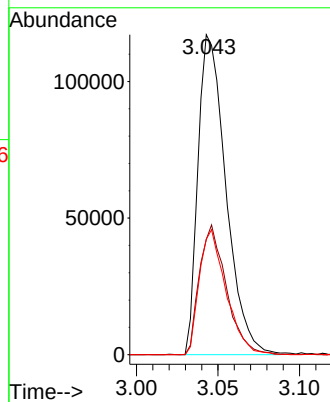
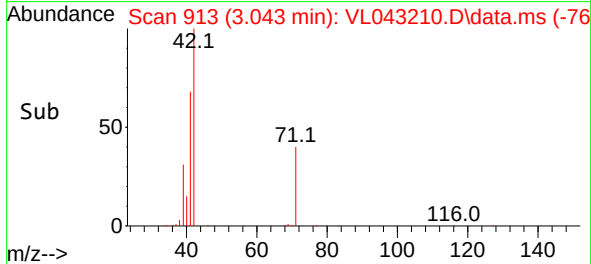
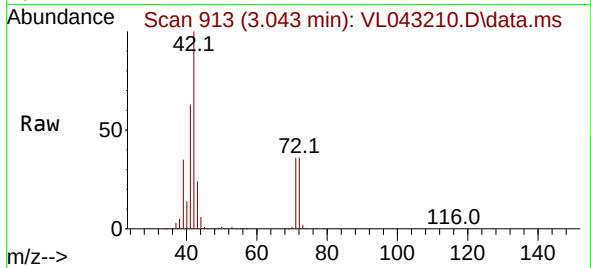




#41
Tetrahydrofuran
Concen: 13.868 ppbv
RT: 3.043 min Scan# 914
Delta R.T. -0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

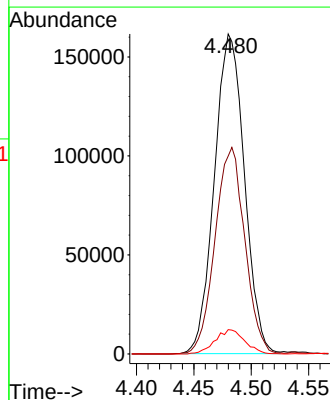
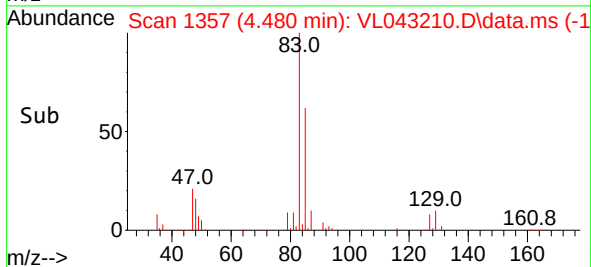
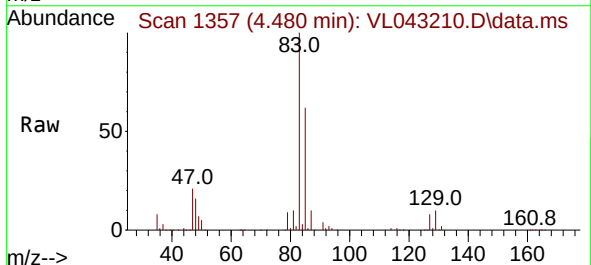
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

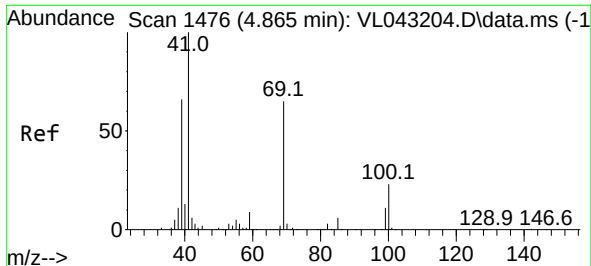
Tgt Ion: 42 Resp: 139722
Ion Ratio Lower Upper
42 100
72 39.1 30.6 46.0
71 37.3 30.5 45.7



#42
Bromodichloromethane
Concen: 14.721 ppbv
RT: 4.480 min Scan# 1357
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion: 83 Resp: 294008
Ion Ratio Lower Upper
83 100
85 61.7 51.7 77.5
127 7.6 6.3 9.5

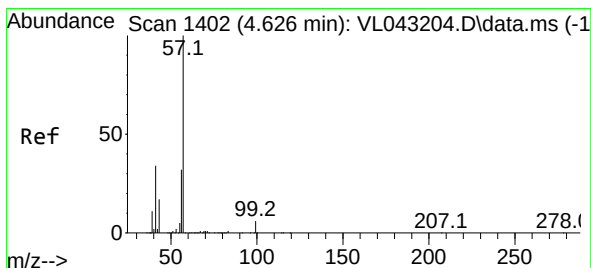
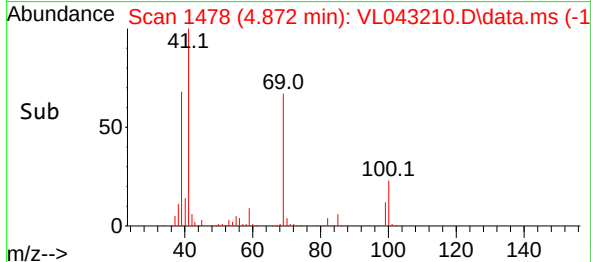
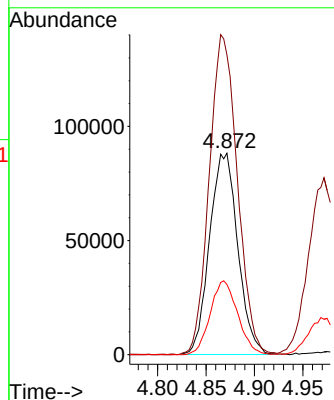
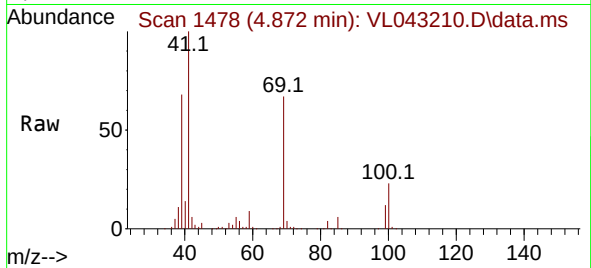




#43
Methyl Methacrylate
Concen: 13.633 ppbv
RT: 4.872 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

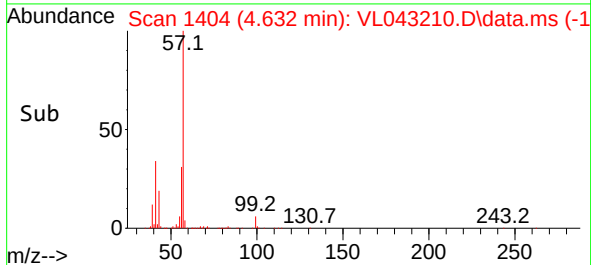
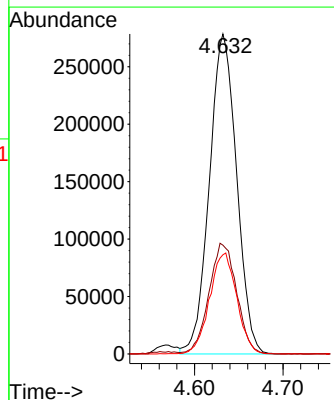
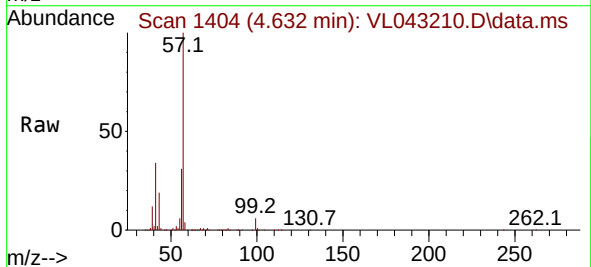
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

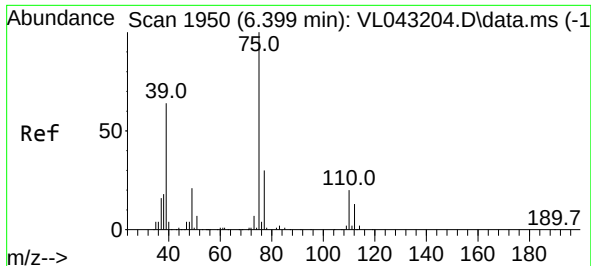
Tgt Ion: 69 Resp: 179110
Ion Ratio Lower Upper
69 100
41 157.9 126.7 190.1
100 35.7 28.6 43.0



#44
2,2,4-Trimethylpentane
Concen: 14.014 ppbv
RT: 4.632 min Scan# 1404
Delta R.T. 0.006 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion: 57 Resp: 595778
Ion Ratio Lower Upper
57 100
41 35.9 28.0 42.0
56 31.6 25.6 38.4

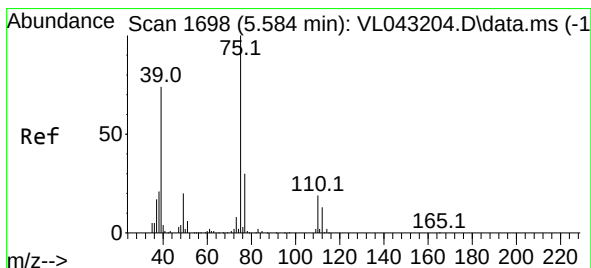
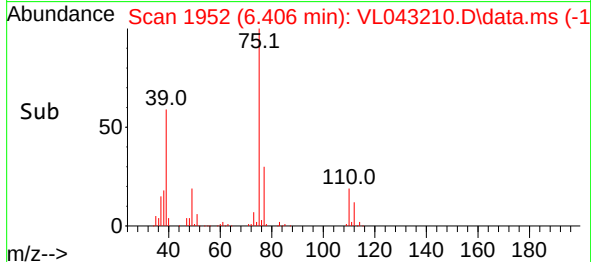
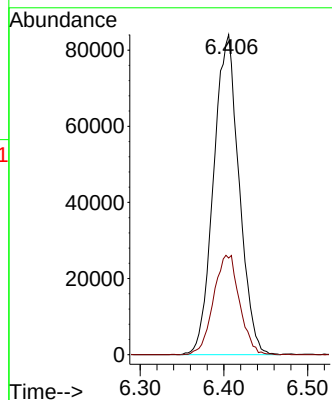
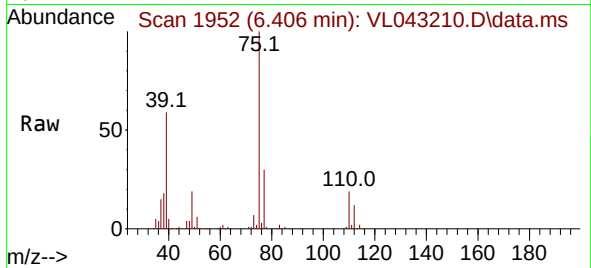




#45
 t-1,3-Dichloropropene
 Concen: 14.508 ppbv
 RT: 6.406 min Scan# 1952
 Delta R.T. 0.006 min
 Lab File: VL043210.D
 Acq: 18 Nov 2025 13:24

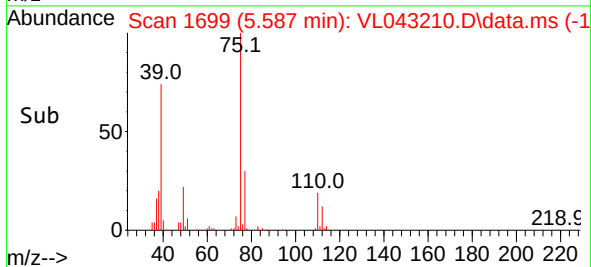
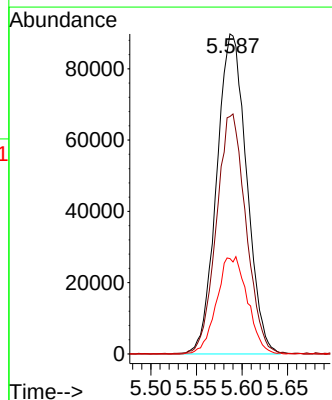
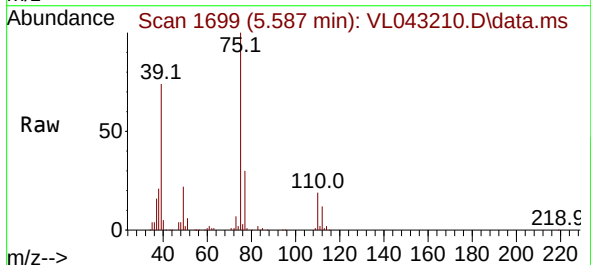
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

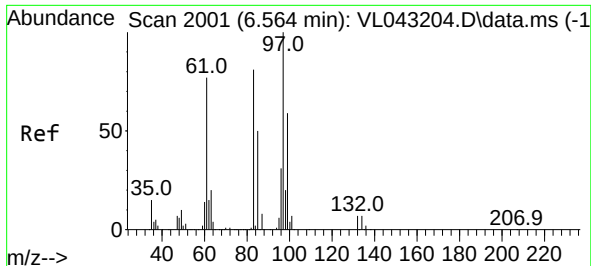
Tgt Ion: 75 Resp: 177678
 Ion Ratio Lower Upper
 75 100
 77 30.2 24.3 36.5



#46
 cis-1,3-Dichloropropene
 Concen: 14.270 ppbv
 RT: 5.587 min Scan# 1699
 Delta R.T. 0.003 min
 Lab File: VL043210.D
 Acq: 18 Nov 2025 13:24

Tgt Ion: 75 Resp: 205226
 Ion Ratio Lower Upper
 75 100
 39 73.9 59.1 88.7
 77 29.8 24.2 36.2

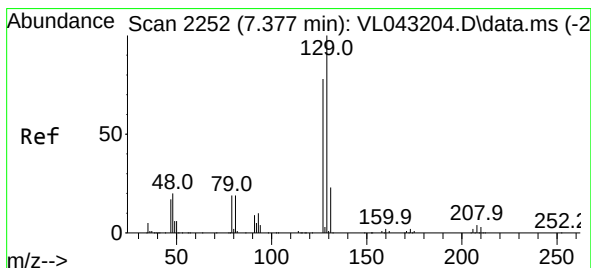
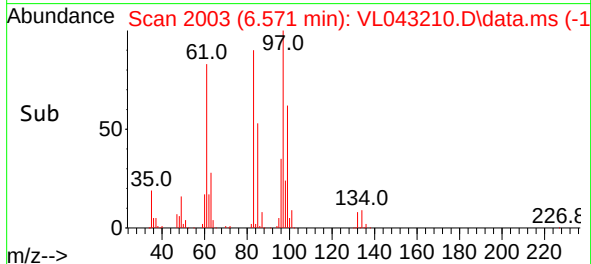
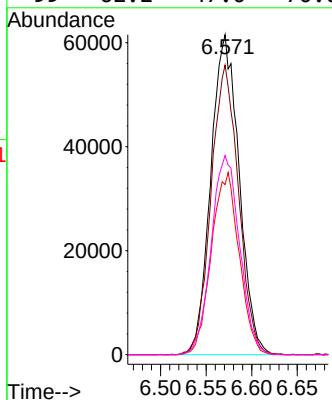
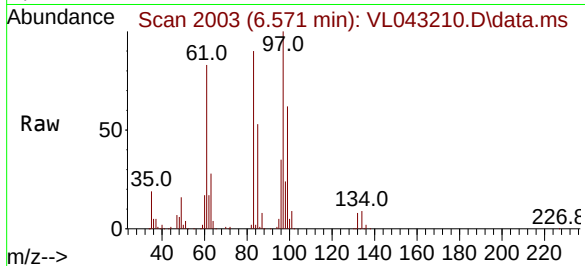




#47
1,1,2-Trichloroethane
Concen: 13.738 ppbv
RT: 6.571 min Scan# 2003
Delta R.T. 0.006 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

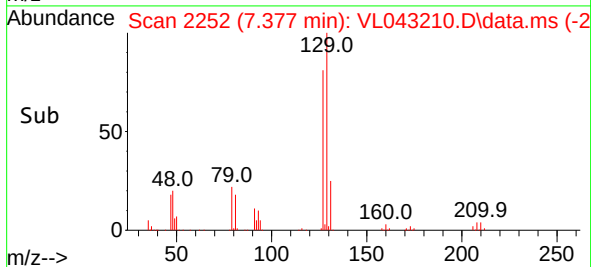
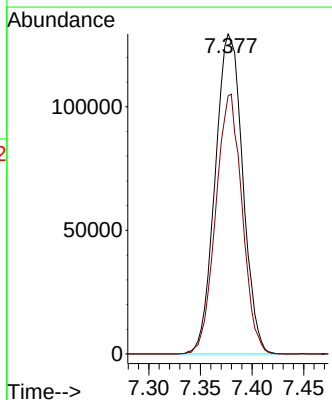
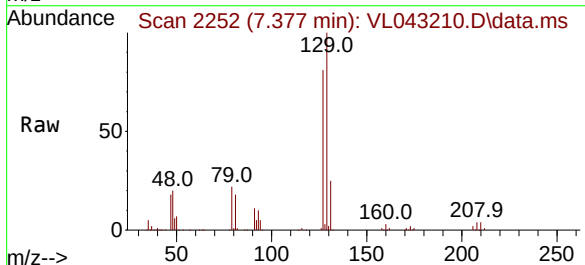
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

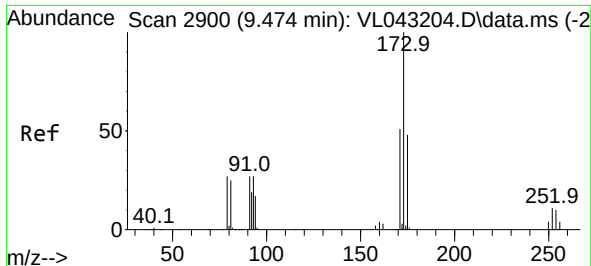
Tgt Ion: 97 Resp: 132701
Ion Ratio Lower Upper
97 100
83 90.4 64.6 97.0
85 53.2 39.4 59.2
99 62.2 47.0 70.6



#48
Dibromochloromethane
Concen: 14.564 ppbv
RT: 7.377 min Scan# 2252
Delta R.T. -0.000 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion: 129 Resp: 240736
Ion Ratio Lower Upper
129 100
127 77.5 39.3 117.9

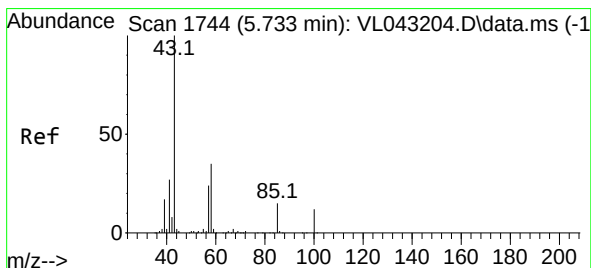
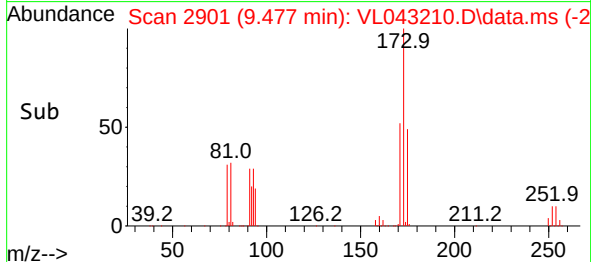
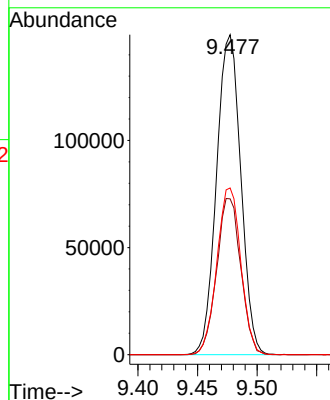
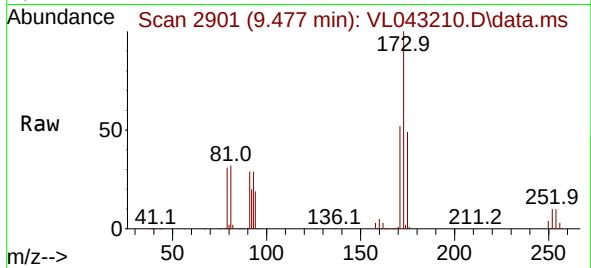




#49
Bromoform
Concen: 14.434 ppbv
RT: 9.477 min Scan# 2900
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

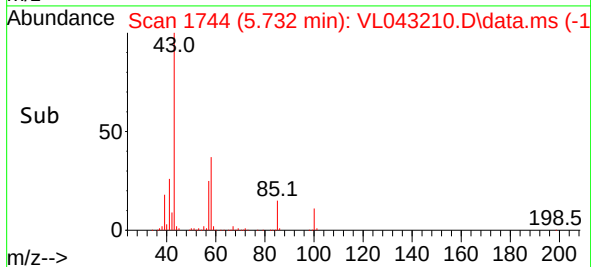
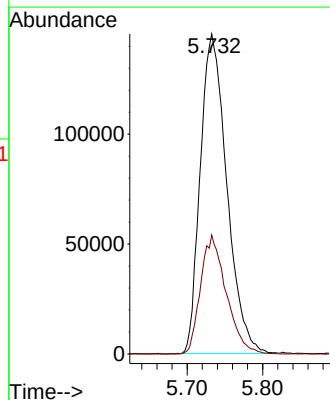
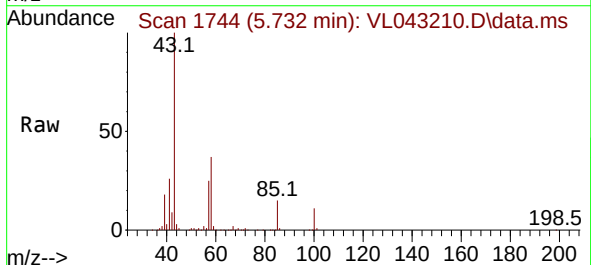
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

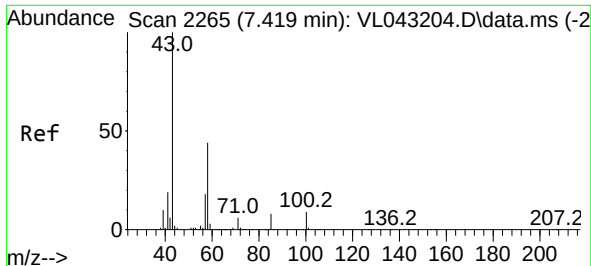
Tgt Ion:173 Resp: 211325
Ion Ratio Lower Upper
173 100
175 48.6 38.6 58.0
171 51.5 40.6 61.0



#50
4-Methyl-2-Pentanone
Concen: 13.790 ppbv
RT: 5.732 min Scan# 1744
Delta R.T. -0.000 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion: 43 Resp: 354421
Ion Ratio Lower Upper
43 100
58 35.9 28.4 42.6

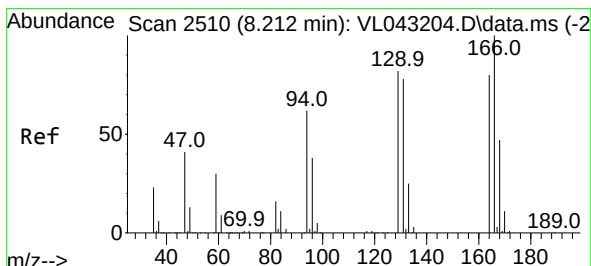
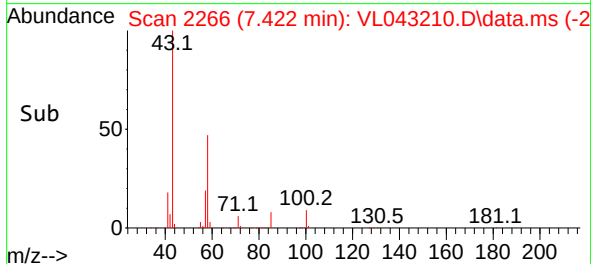
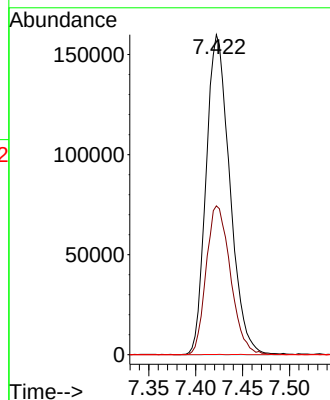
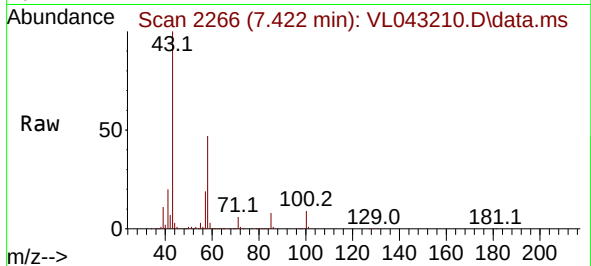




#51
2-Hexanone
Concen: 14.067 ppbv
RT: 7.422 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

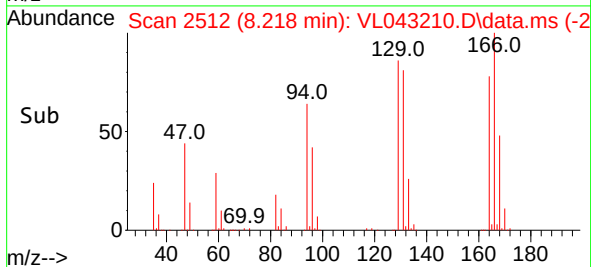
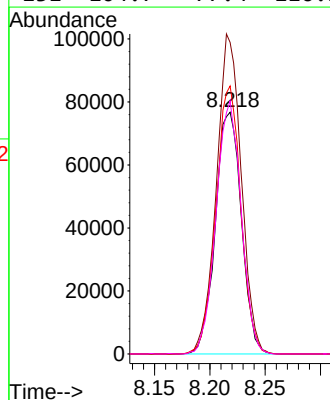
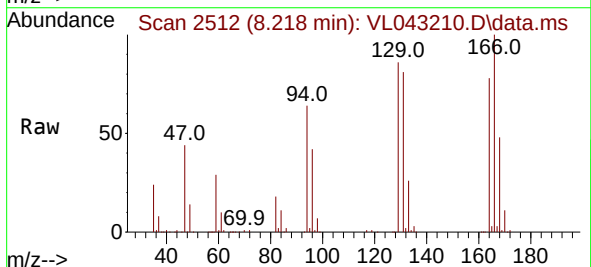
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

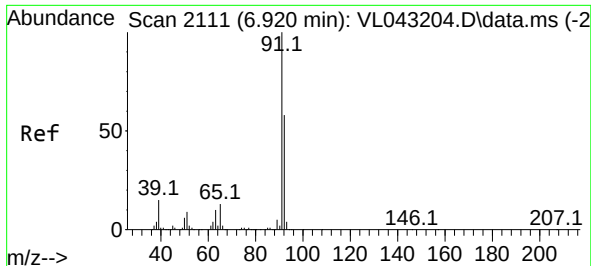
Tgt Ion: 43 Resp: 280742
Ion Ratio Lower Upper
43 100
58 47.7 38.4 57.6
98 0.1 0.0 0.0#



#52
Tetrachloroethene
Concen: 13.591 ppbv
RT: 8.218 min Scan# 2512
Delta R.T. 0.006 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion:164 Resp: 125132
Ion Ratio Lower Upper
164 100
166 128.8 99.4 149.2
129 110.8 81.8 122.8
131 104.7 77.4 116.2

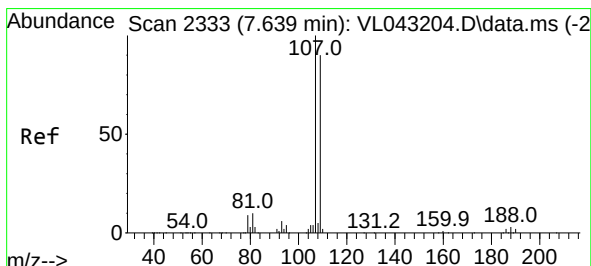
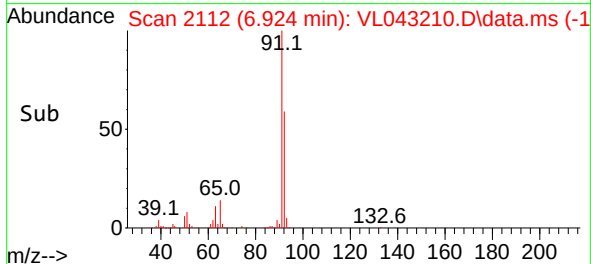
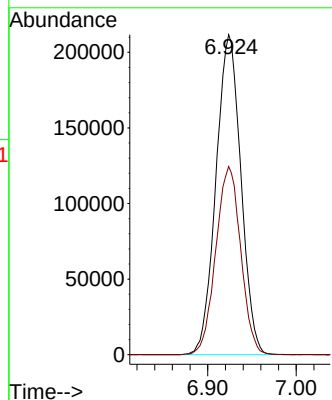
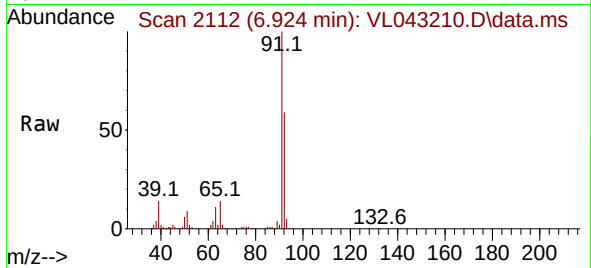




#53
Toluene
Concen: 14.050 ppbv
RT: 6.924 min Scan# 2111
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

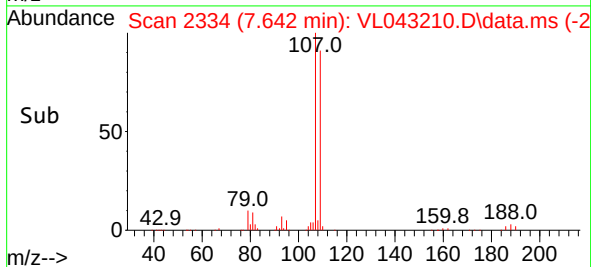
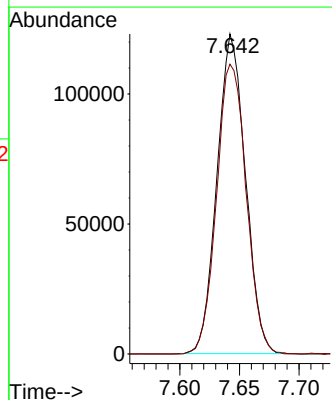
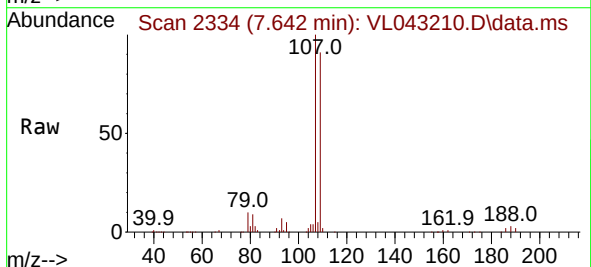
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

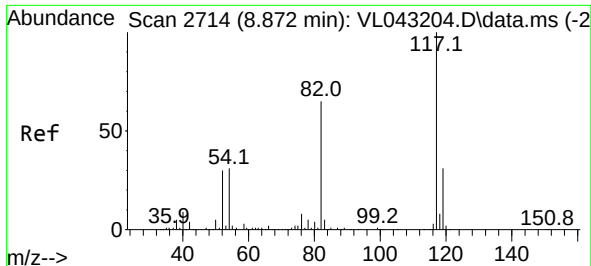
Tgt Ion: 91 Resp: 414411
Ion Ratio Lower Upper
91 100
92 58.8 47.4 71.0



#54
1,2-Dibromoethane
Concen: 14.413 ppbv
RT: 7.642 min Scan# 2334
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion: 107 Resp: 203913
Ion Ratio Lower Upper
107 100
109 90.6 72.1 108.1

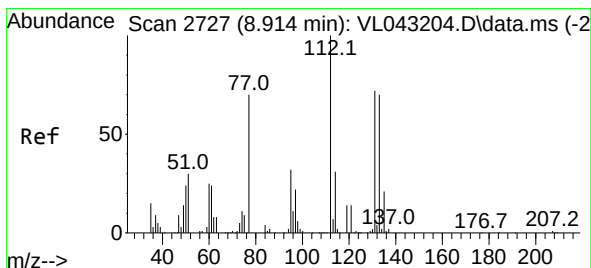
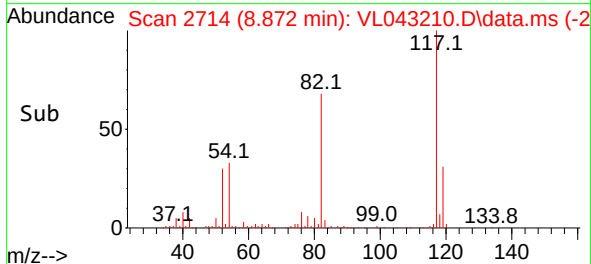
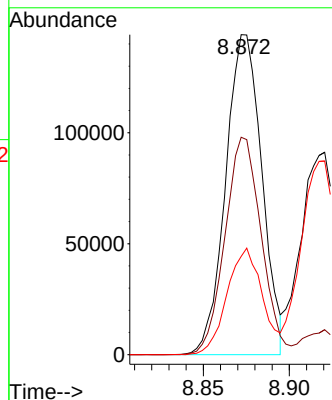
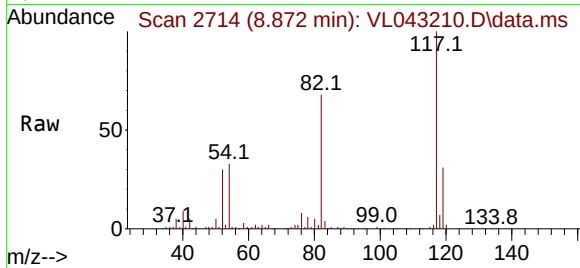




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.872 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

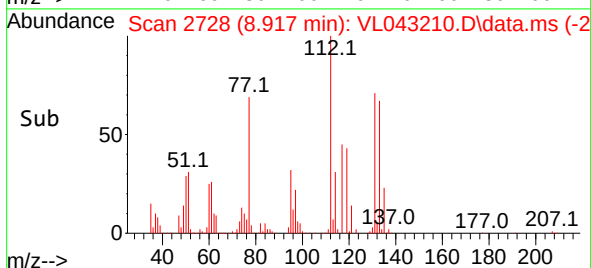
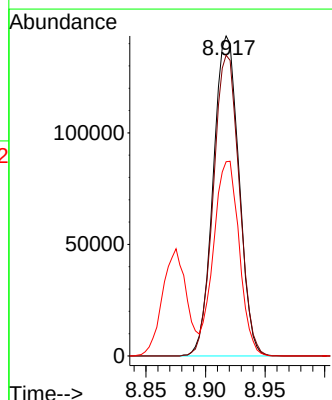
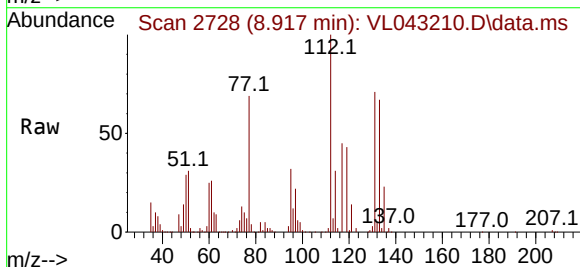
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

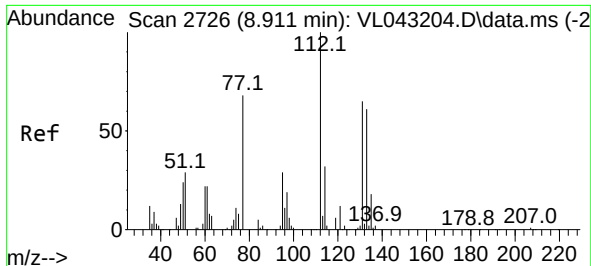
Tgt Ion:117 Resp: 211247
Ion Ratio Lower Upper
117 100
82 68.4 56.1 84.1
119 32.6 25.0 37.6



#56
1,1,1,2-Tetrachloroethane
Concen: 13.827 ppbv
RT: 8.917 min Scan# 2728
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion:131 Resp: 214673
Ion Ratio Lower Upper
131 100
133 94.9 77.4 116.2
119 61.5 49.1 73.7

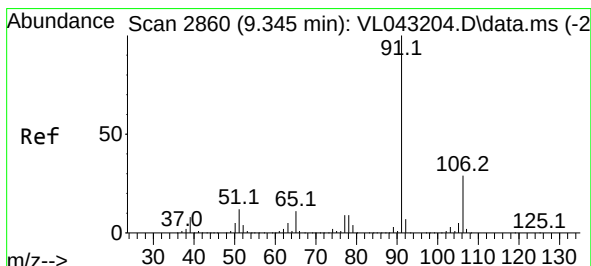
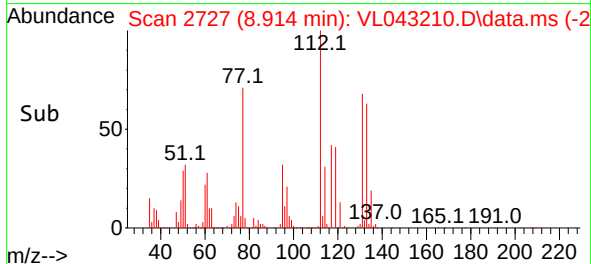
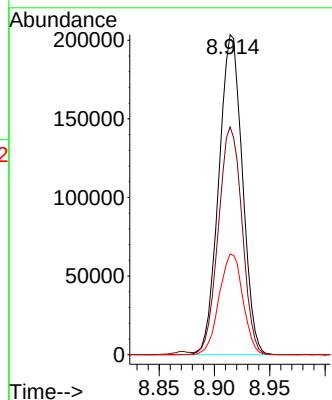
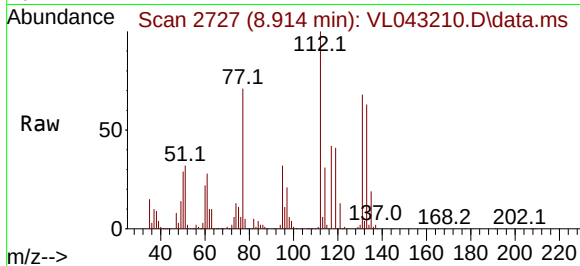




#57
Chlorobenzene
Concen: 13.923 ppbv
RT: 8.914 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

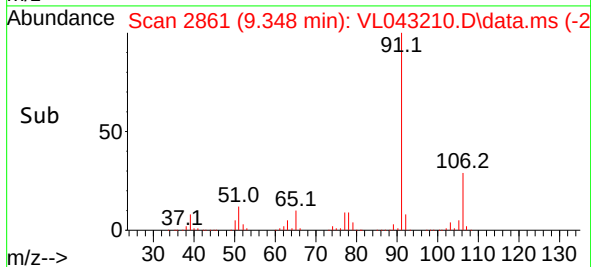
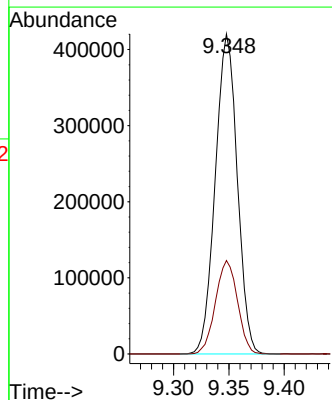
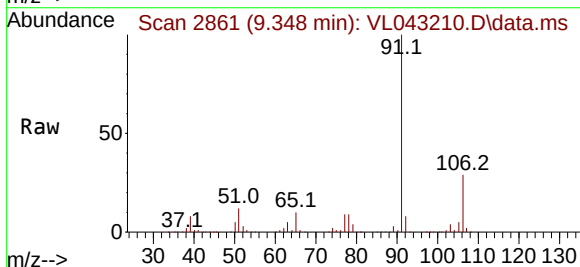
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC015

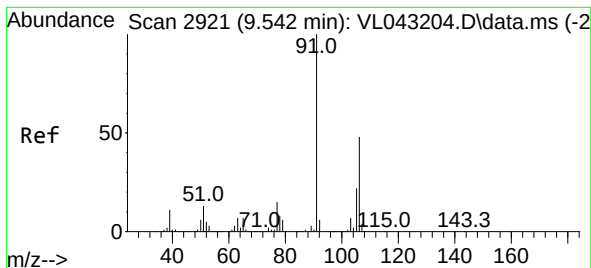
Tgt Ion:112 Resp: 301986
Ion Ratio Lower Upper
112 100
77 71.1 55.5 83.3
114 31.5 29.1 35.5



#58
Ethyl Benzene
Concen: 14.262 ppbv
RT: 9.348 min Scan# 2861
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion: 91 Resp: 579890
Ion Ratio Lower Upper
91 100
106 29.2 22.8 34.2





#59

m/p-Xylene

Concen: 12.959 ppbv

RT: 9.545 min Scan# 2921

Delta R.T. 0.003 min

Lab File: VL043210.D

Acq: 18 Nov 2025 13:24

Instrument :

MSVOA_1

ClientSampleId :

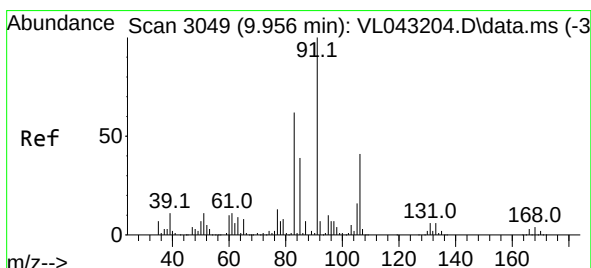
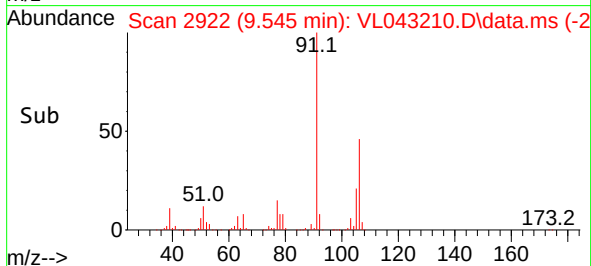
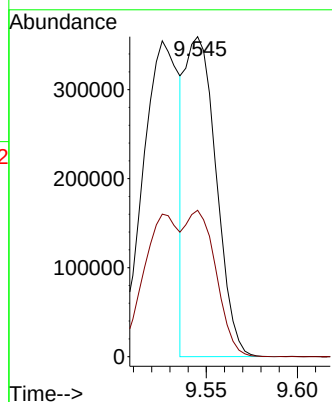
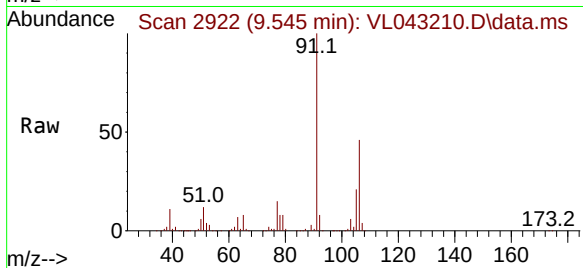
VSTDIC015

Tgt Ion: 91 Resp: 423995

Ion Ratio Lower Upper

91 100

106 97.4 36.1 54.1#



#60

o-Xylene

Concen: 13.826 ppbv

RT: 9.956 min Scan# 3049

Delta R.T. -0.000 min

Lab File: VL043210.D

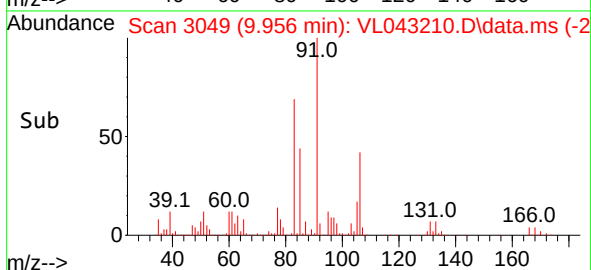
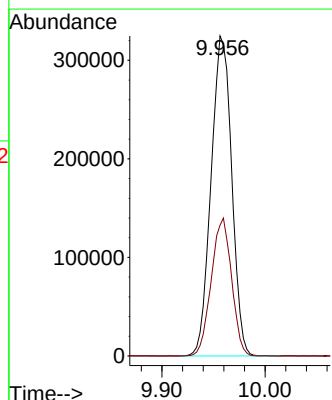
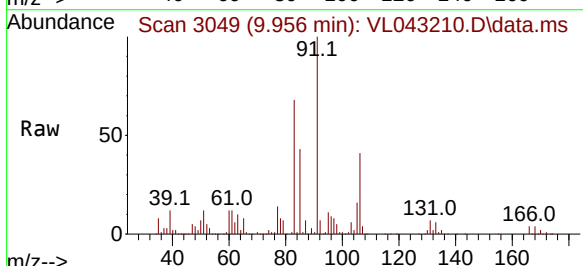
Acq: 18 Nov 2025 13:24

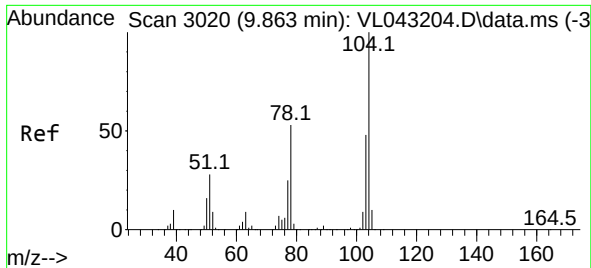
Tgt Ion: 91 Resp: 450260

Ion Ratio Lower Upper

91 100

106 42.4 20.9 62.8





#61

Styrene

Concen: 14.382 ppbv

RT: 9.862 min Scan# 3020

Delta R.T. -0.000 min

Lab File: VL043210.D

Acq: 18 Nov 2025 13:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

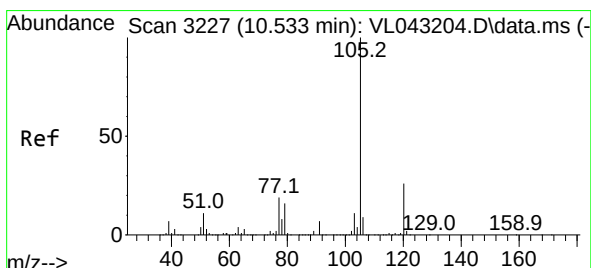
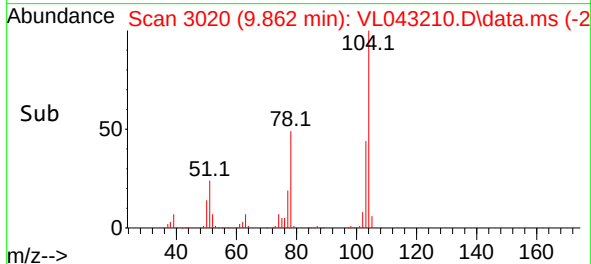
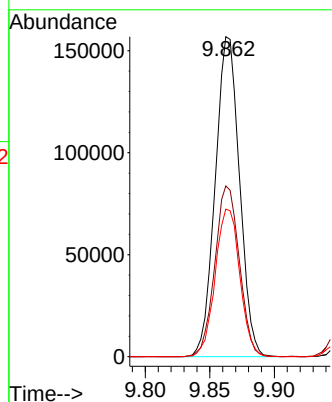
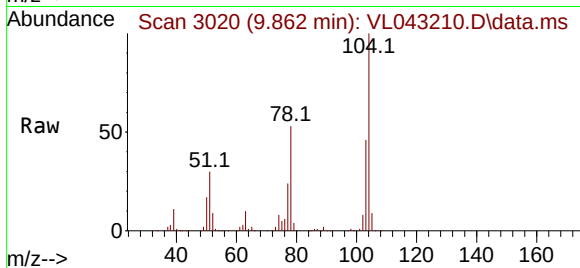
Tgt Ion:104 Resp: 204972

Ion Ratio Lower Upper

104 100

78 53.7 42.1 63.1

103 46.9 37.2 55.8



#62

Isopropylbenzene

Concen: 13.791 ppbv

RT: 10.532 min Scan# 3227

Delta R.T. -0.000 min

Lab File: VL043210.D

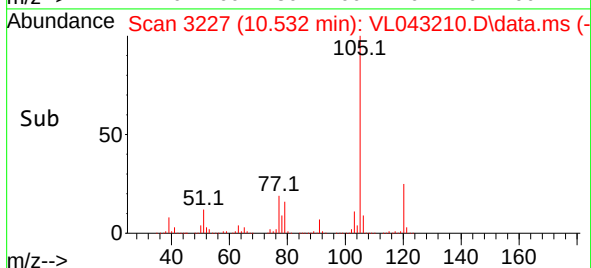
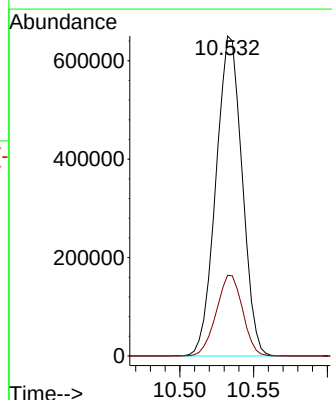
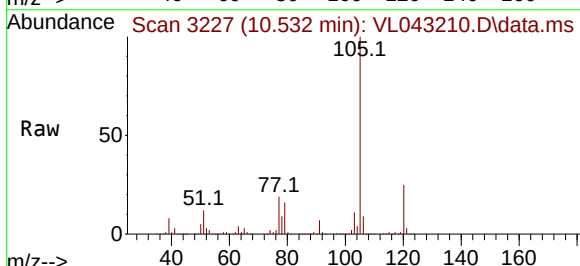
Acq: 18 Nov 2025 13:24

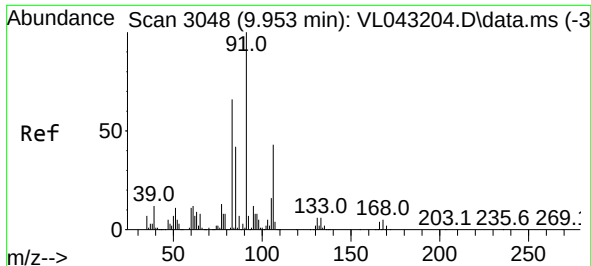
Tgt Ion:105 Resp: 803487

Ion Ratio Lower Upper

105 100

120 25.3 19.8 29.8





#63

1,1,2,2-Tetrachloroethane

Concen: 13.557 ppbv

RT: 9.956 min Scan# 3048

Delta R.T. 0.003 min

Lab File: VL043210.D

Acq: 18 Nov 2025 13:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

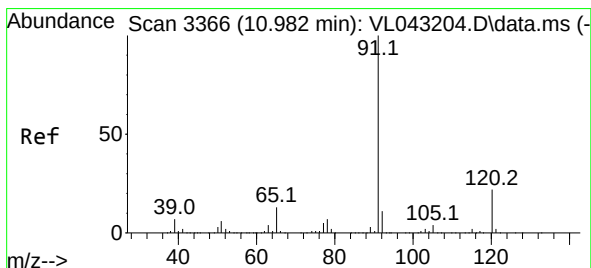
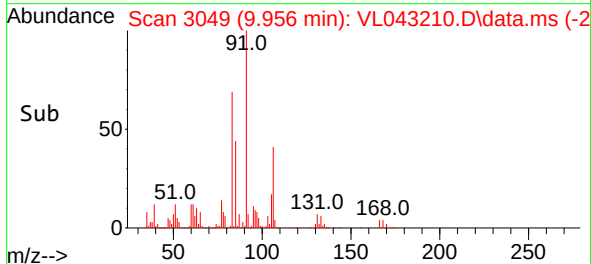
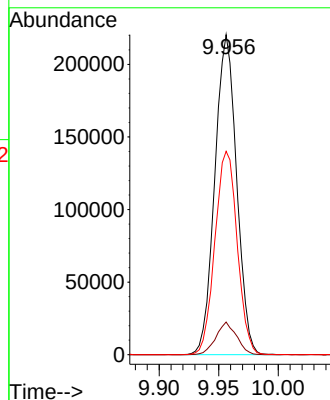
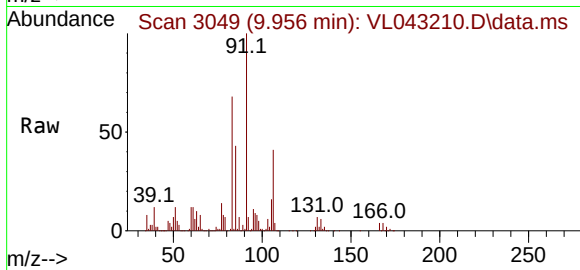
Tgt Ion: 83 Resp: 280254

Ion Ratio Lower Upper

83 100

131 9.7 4.8 14.3

85 64.9 31.9 95.9



#64

n-propylbenzene

Concen: 13.737 ppbv

RT: 10.986 min Scan# 3367

Delta R.T. 0.003 min

Lab File: VL043210.D

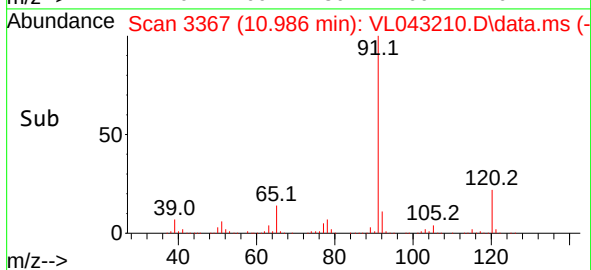
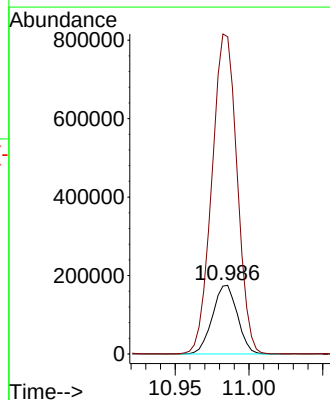
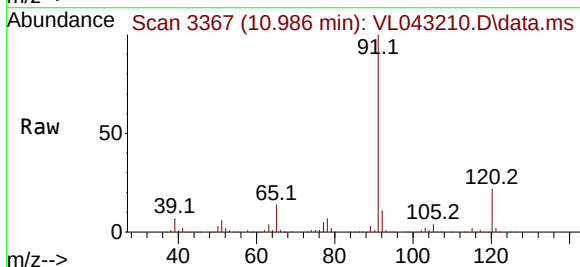
Acq: 18 Nov 2025 13:24

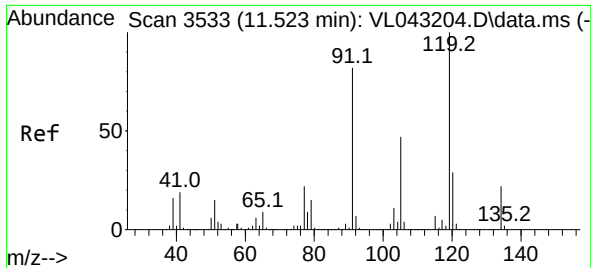
Tgt Ion: 120 Resp: 205637

Ion Ratio Lower Upper

120 100

91 471.6 377.1 565.7

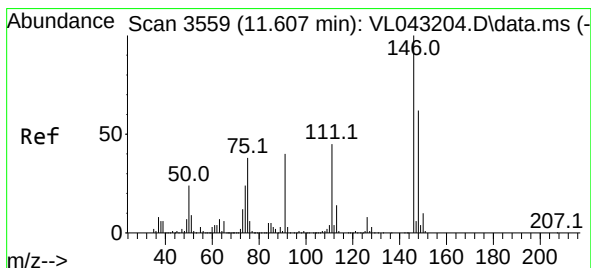
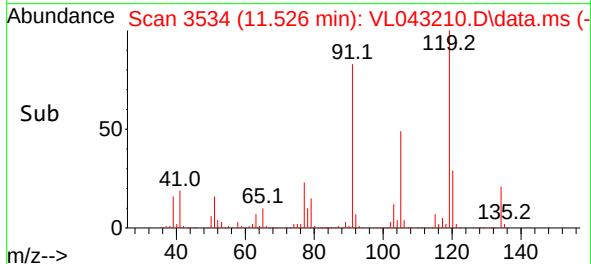
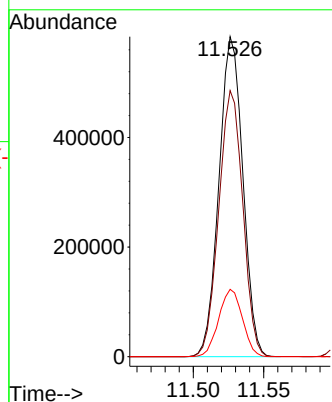
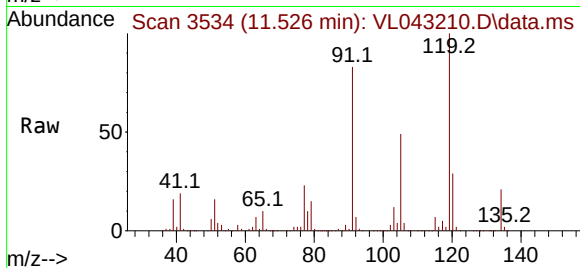




#65
tert-Butylbenzene
Concen: 13.249 ppbv
RT: 11.526 min Scan# 3533
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

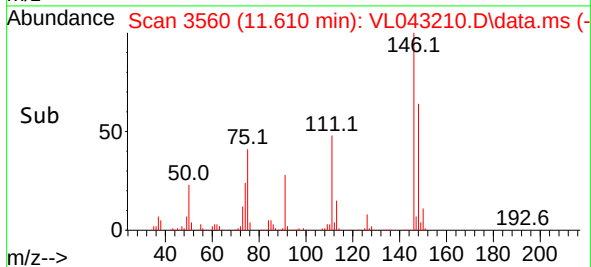
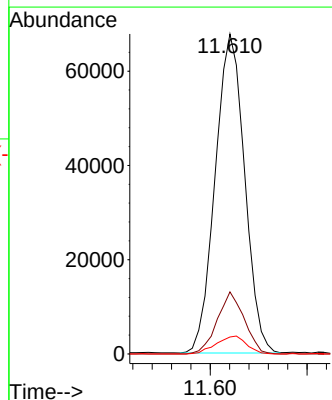
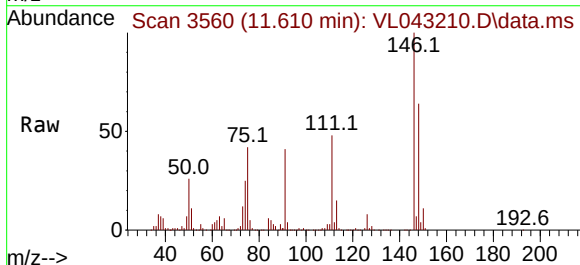
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

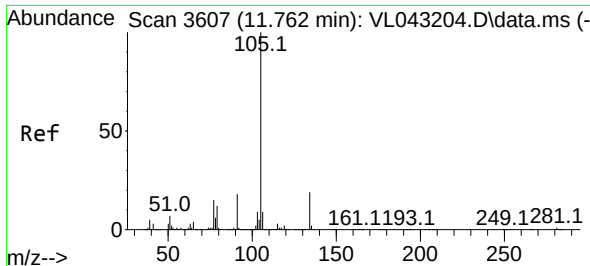
Tgt Ion:119 Resp: 689352
Ion Ratio Lower Upper
119 100
91 83.7 65.3 97.9
134 20.9 17.0 25.4



#66
Benzyl Chloride
Concen: 13.520 ppbv
RT: 11.610 min Scan# 3560
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion: 91 Resp: 71386
Ion Ratio Lower Upper
91 100
126 17.9 14.4 21.6
128 5.9 4.6 6.8

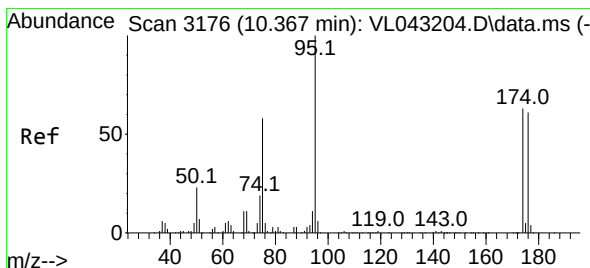
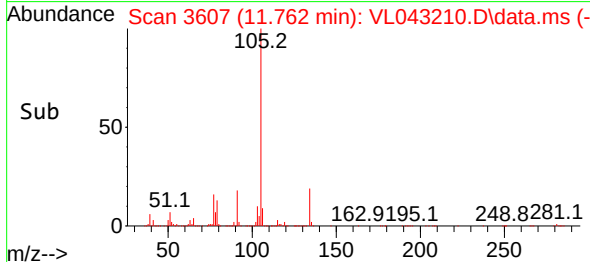
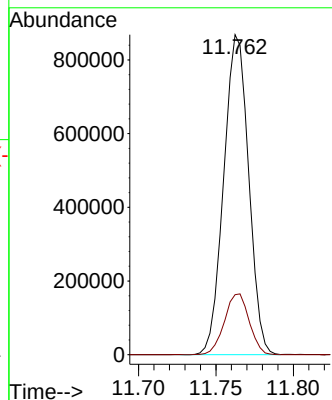
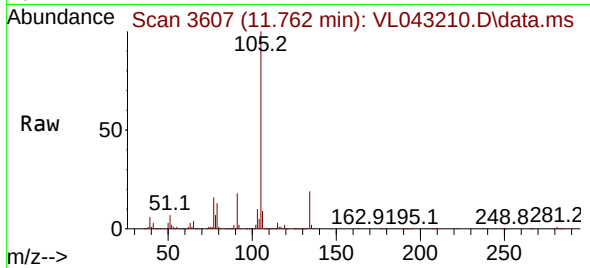




#67
 sec-Butylbenzene
 Concen: 13.394 ppbv
 RT: 11.762 min Scan# 3607
 Delta R.T. -0.000 min
 Lab File: VL043210.D
 Acq: 18 Nov 2025 13:24

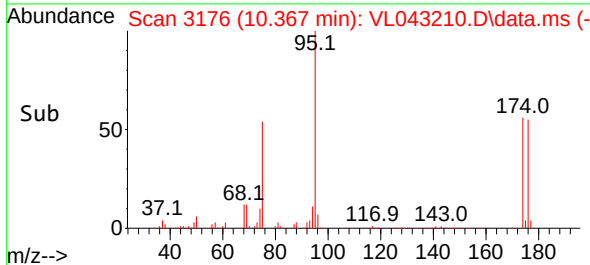
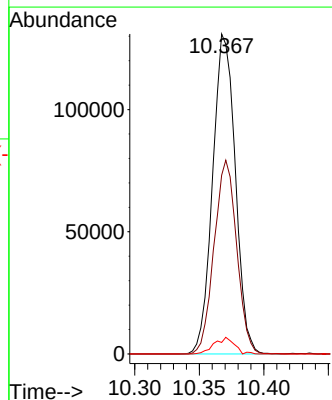
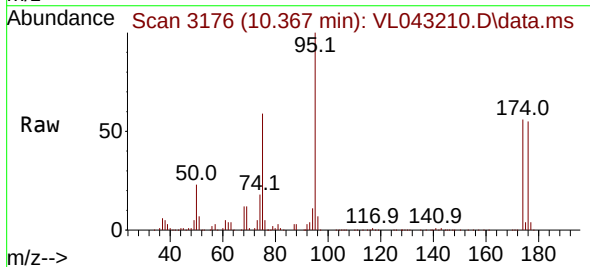
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC015

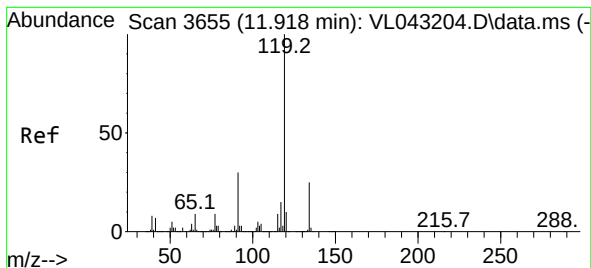
Tgt Ion:105 Resp: 972780
 Ion Ratio Lower Upper
 105 100
 134 18.9 15.0 22.6



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.321 ppbv
 RT: 10.367 min Scan# 3176
 Delta R.T. -0.000 min
 Lab File: VL043210.D
 Acq: 18 Nov 2025 13:24

Tgt Ion: 95 Resp: 159814
 Ion Ratio Lower Upper
 95 100
 174 60.3 50.2 75.2
 175 4.7 4.1 6.1





#69

p-Isopropyltoluene

Concen: 13.602 ppbv

RT: 11.921 min Scan# 3

Delta R.T. 0.003 min

Lab File: VL043210.D

Acq: 18 Nov 2025 13:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

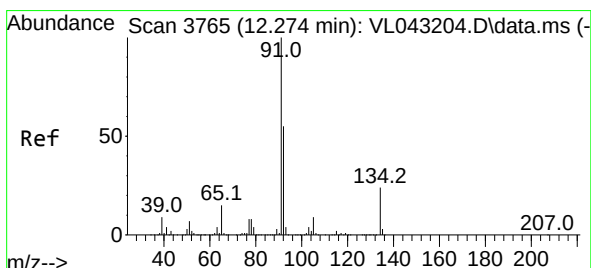
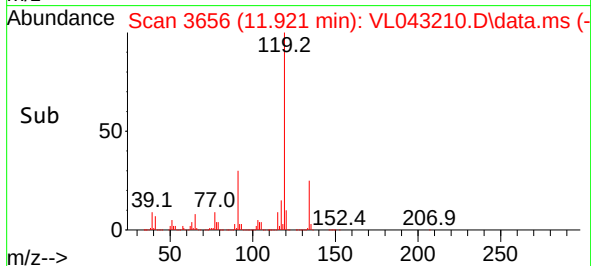
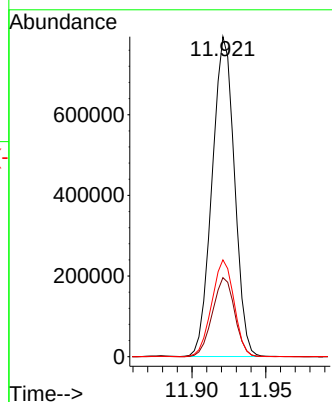
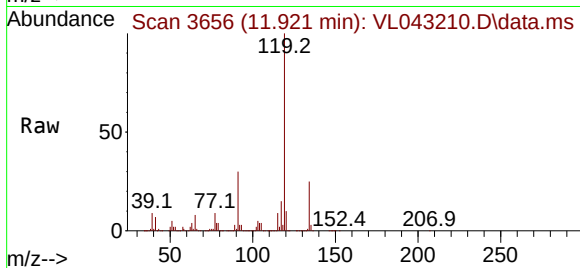
Tgt Ion:119 Resp: 836888

Ion Ratio Lower Upper

119 100

134 24.8 20.2 30.2

91 30.3 23.8 35.8



#70

n-Butylbenzene

Concen: 14.050 ppbv

RT: 12.277 min Scan# 3766

Delta R.T. 0.003 min

Lab File: VL043210.D

Acq: 18 Nov 2025 13:24

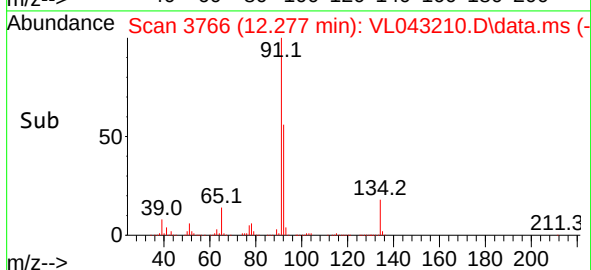
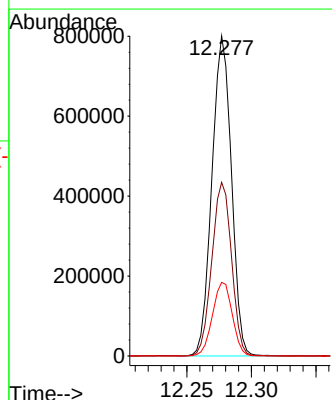
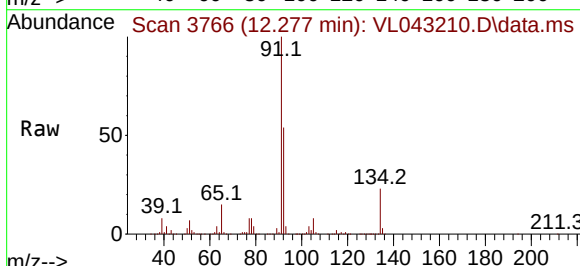
Tgt Ion: 91 Resp: 838598

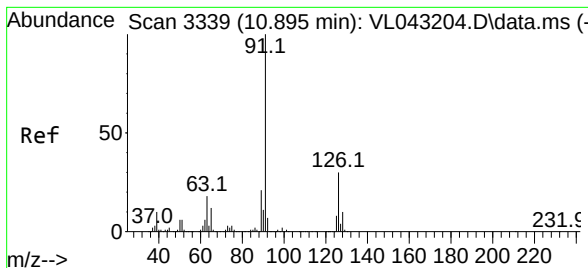
Ion Ratio Lower Upper

91 100

92 54.9 43.5 65.3

134 23.4 19.0 28.6

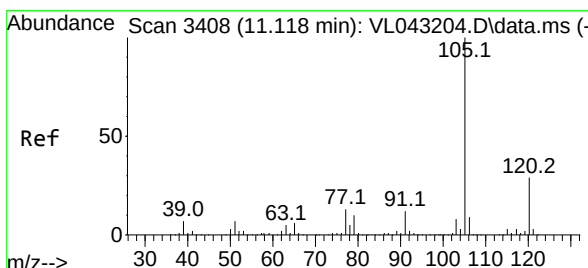
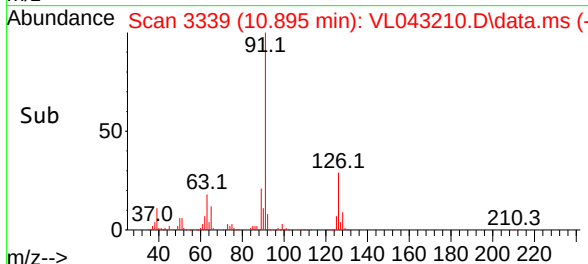
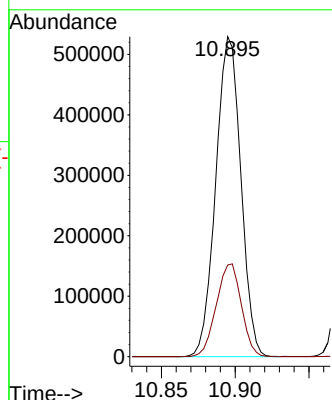
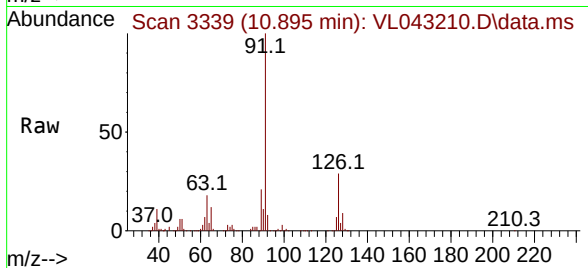




#71
2-Chlorotoluene
Concen: 13.976 ppbv
RT: 10.895 min Scan# 31
Delta R.T. -0.000 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

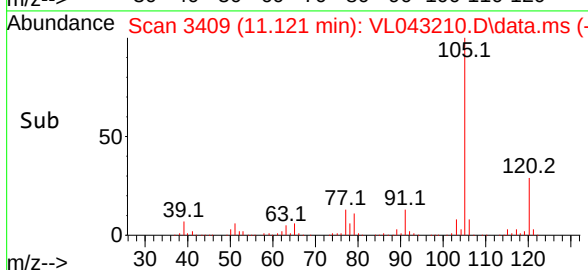
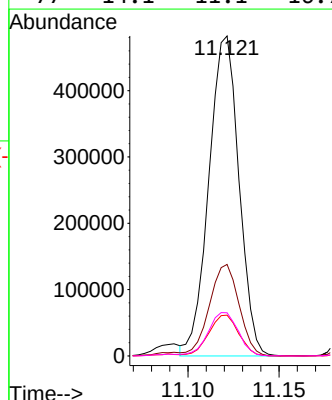
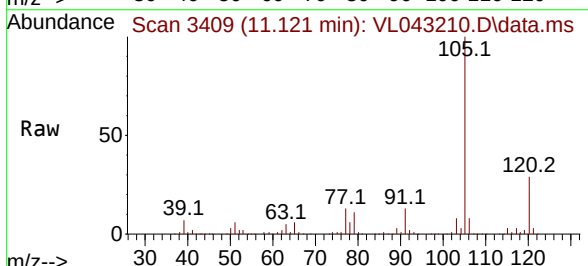
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

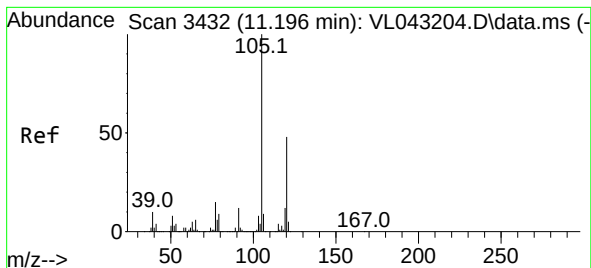
Tgt Ion: 91 Resp: 625884
Ion Ratio Lower Upper
91 100
126 28.9 11.7 46.7



#72
4-Ethyltoluene
Concen: 13.961 ppbv
RT: 11.121 min Scan# 3409
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion: 105 Resp: 553654
Ion Ratio Lower Upper
105 100
120 29.3 23.8 35.8
91 13.2 10.3 15.5
77 14.1 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 13.846 ppbv

RT: 11.199 min Scan# 3432

Delta R.T. 0.003 min

Lab File: VL043210.D

Acq: 18 Nov 2025 13:24

Instrument :

MSVOA_1

ClientSampleId :

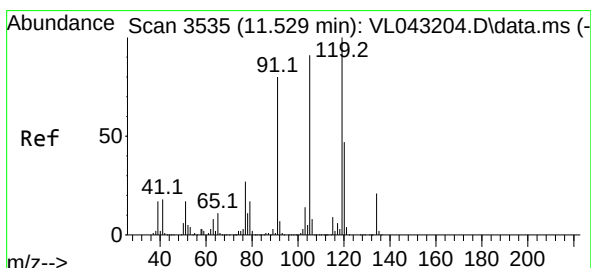
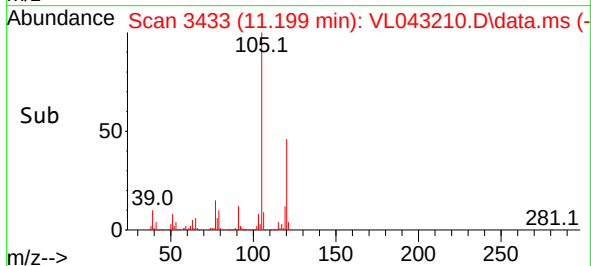
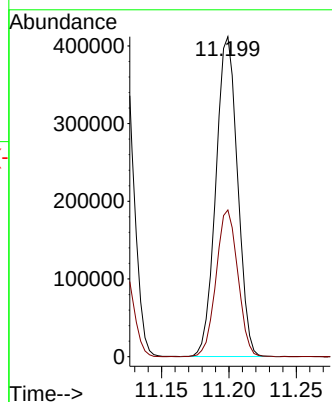
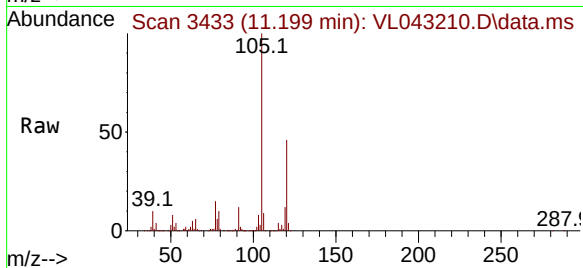
VSTDIC015

Tgt Ion:105 Resp: 460783

Ion Ratio Lower Upper

105 100

120 45.9 38.6 57.8



#74

1,2,4-Trimethylbenzene

Concen: 13.409 ppbv

RT: 11.533 min Scan# 3536

Delta R.T. 0.003 min

Lab File: VL043210.D

Acq: 18 Nov 2025 13:24

Tgt Ion:105 Resp: 486995

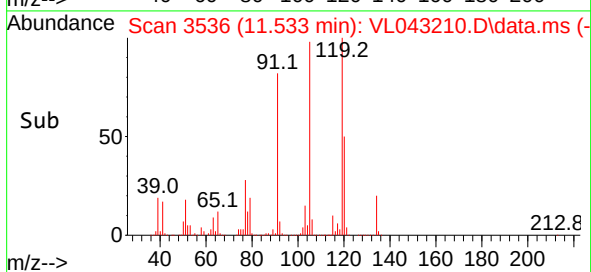
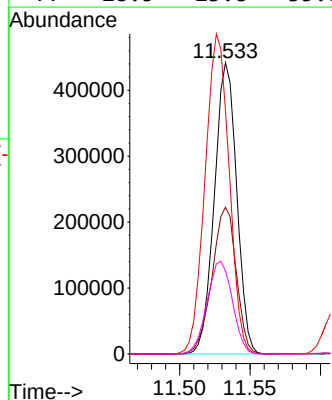
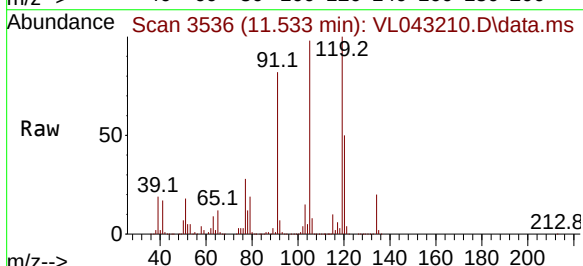
Ion Ratio Lower Upper

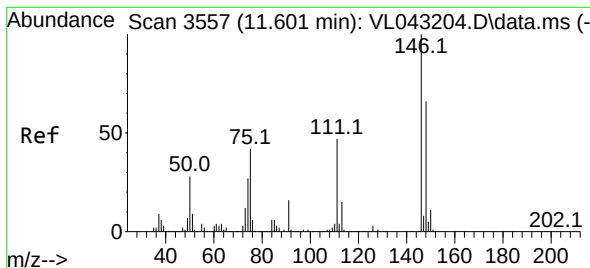
105 100

120 50.4 41.7 62.5

91 83.4 70.0 105.0

77 28.5 23.8 35.8





#75

1,3-Dichlorobenzene

Concen: 13.784 ppbv

RT: 11.604 min Scan# 3557

Delta R.T. 0.003 min

Lab File: VL043210.D

Acq: 18 Nov 2025 13:24

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC015

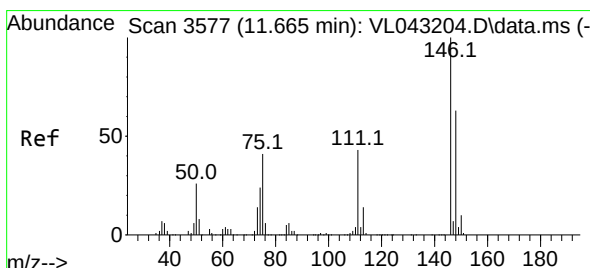
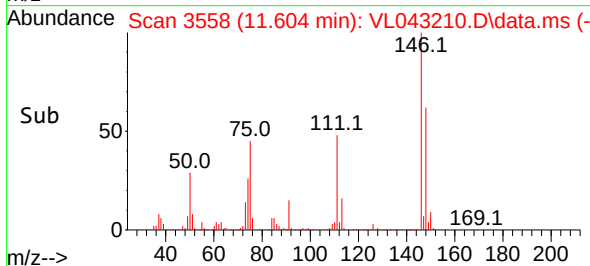
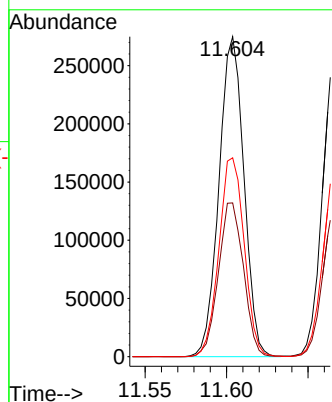
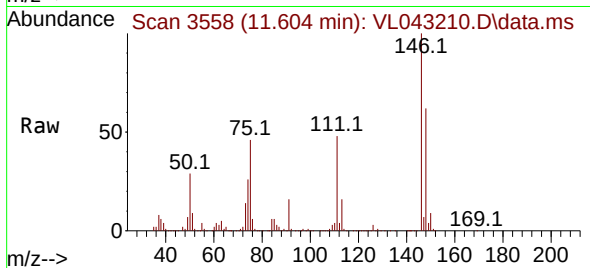
Tgt Ion:146 Resp: 292143

Ion Ratio Lower Upper

146 100

111 48.4 23.4 70.3

148 63.1 31.6 95.0



#76

1,4-Dichlorobenzene

Concen: 13.903 ppbv

RT: 11.668 min Scan# 3578

Delta R.T. 0.003 min

Lab File: VL043210.D

Acq: 18 Nov 2025 13:24

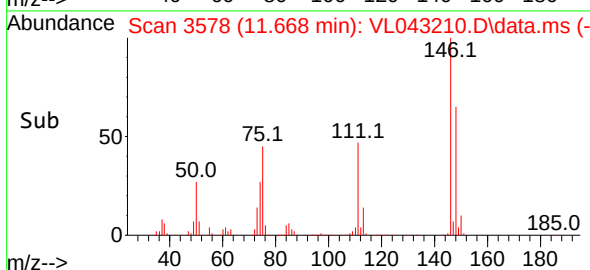
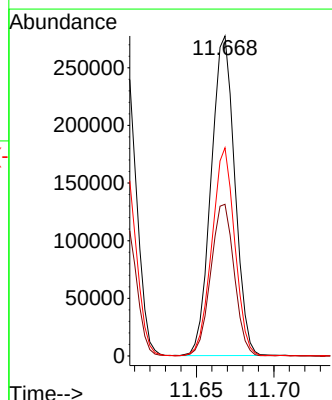
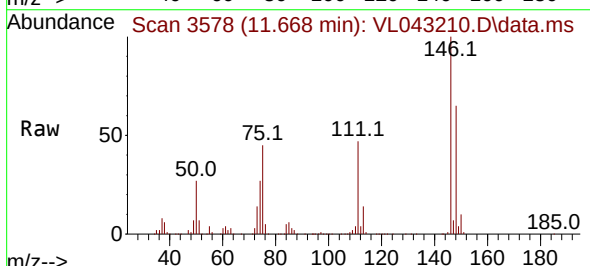
Tgt Ion:146 Resp: 294723

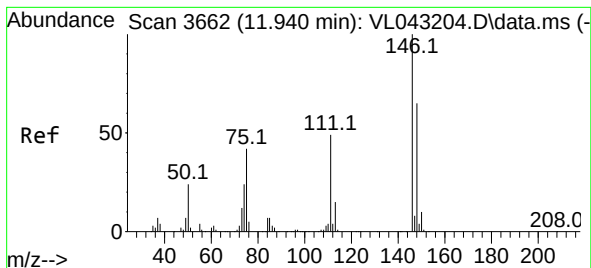
Ion Ratio Lower Upper

146 100

111 47.2 22.8 68.3

148 63.2 31.8 95.4





#77

1,2-Dichlorobenzene

Concen: 13.420 ppbv

RT: 11.944 min Scan# 3

Delta R.T. 0.003 min

Lab File: VL043210.D

Acq: 18 Nov 2025 13:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

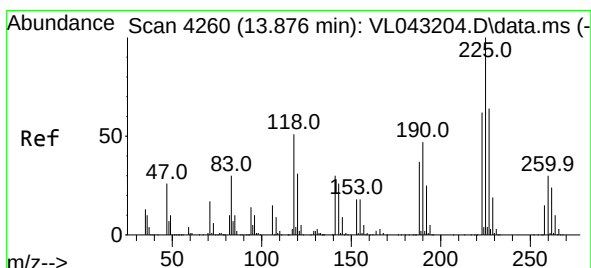
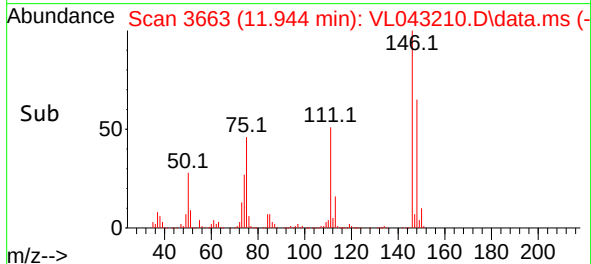
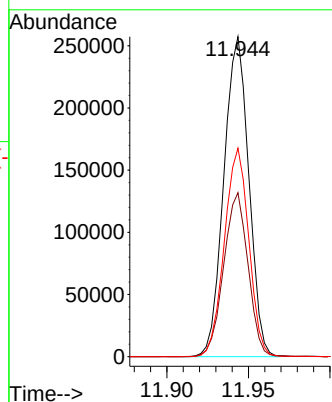
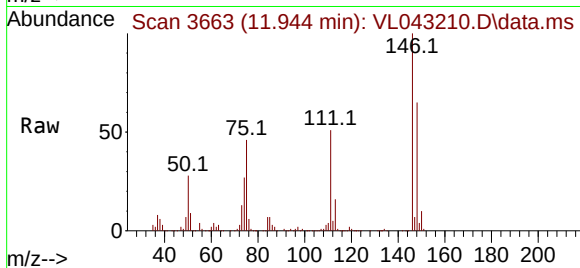
Tgt Ion:146 Resp: 273467

Ion Ratio Lower Upper

146 100

111 50.2 24.3 73.0

148 63.9 31.6 94.7



#78

Hexachloro-1,3-Butadiene

Concen: 12.416 ppbv

RT: 13.876 min Scan# 4260

Delta R.T. -0.000 min

Lab File: VL043210.D

Acq: 18 Nov 2025 13:24

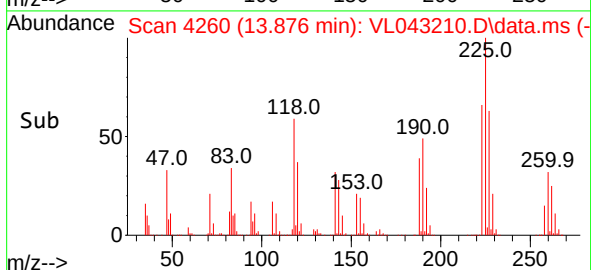
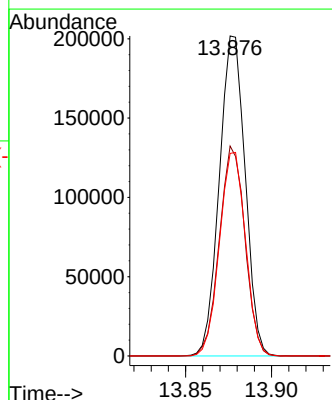
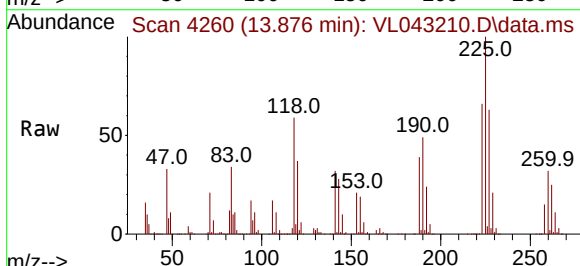
Tgt Ion:225 Resp: 211153

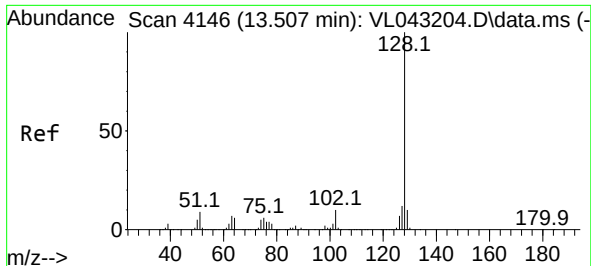
Ion Ratio Lower Upper

225 100

223 64.9 50.2 75.4

227 63.9 51.1 76.7

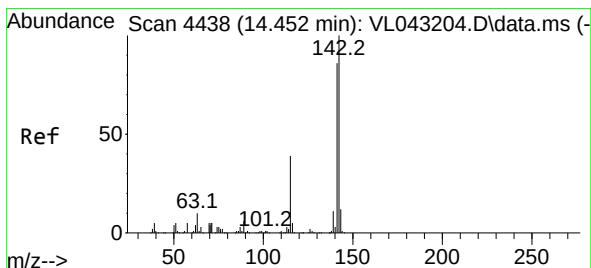
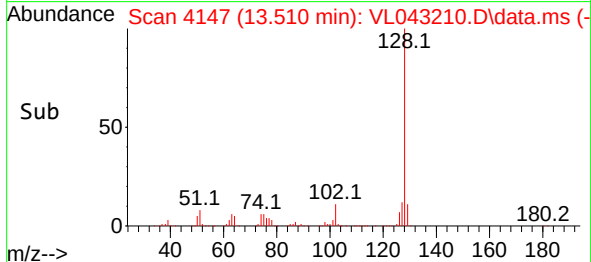
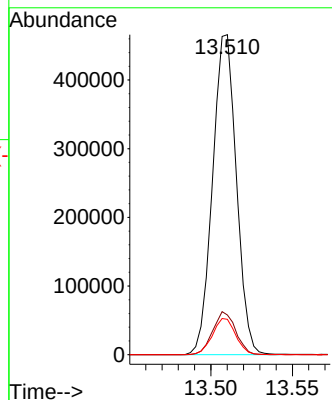
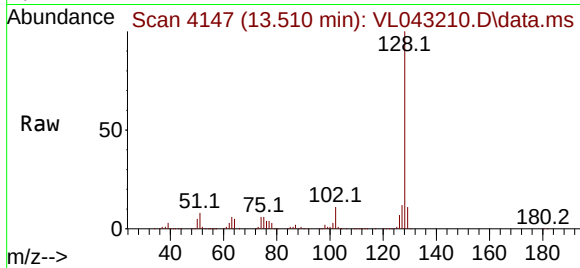




#79
Naphthalene
Concen: 14.670 ppbv
RT: 13.510 min Scan# 4146
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

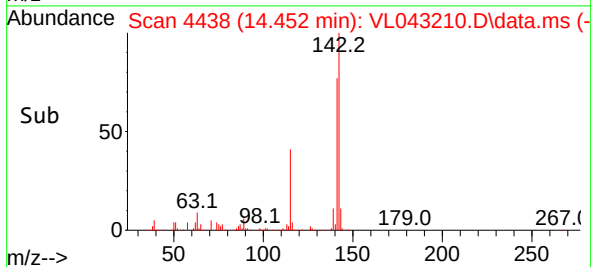
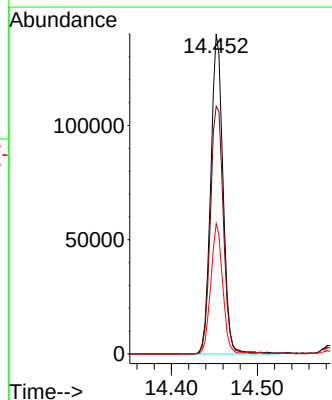
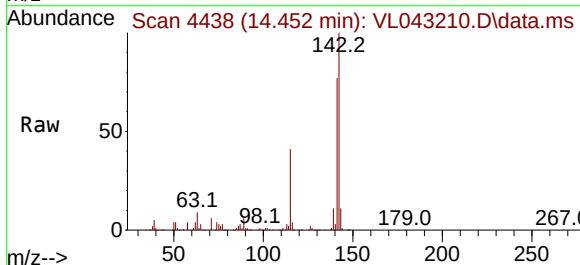
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

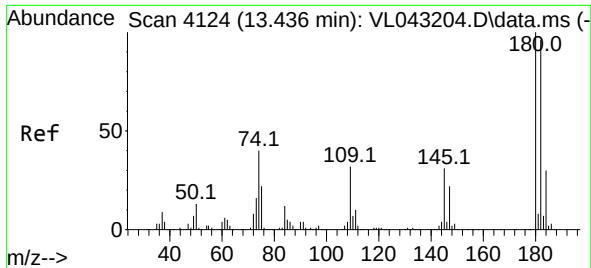
Tgt Ion:128 Resp: 473229
Ion Ratio Lower Upper
128 100
127 12.4 9.9 14.9
129 11.1 8.4 12.6



#80
Naphthalene,2-methyl-
Concen: 16.418 ppbv
RT: 14.452 min Scan# 4438
Delta R.T. -0.000 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion:142 Resp: 139019
Ion Ratio Lower Upper
142 100
141 82.6 67.1 100.7
115 40.2 31.9 47.9





#81

1,2,4-Trichlorobenzene

Concen: 14.990 ppbv

RT: 13.436 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL043210.D

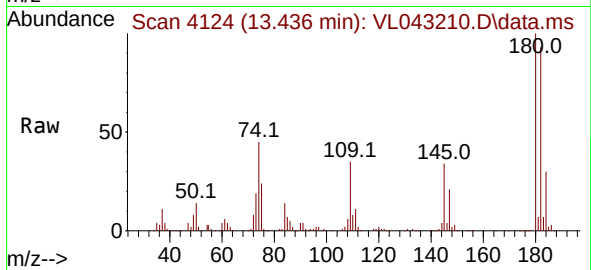
Acq: 18 Nov 2025 13:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015



Tgt Ion:180 Resp: 216260

Ion Ratio Lower Upper

180 100

182 95.3 77.4 116.2

184 30.1 24.2 36.4

