

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111825\
 Data File : VL043213.D
 Acq On : 18 Nov 2025 15:24
 Operator : SY/MD
 Sample : VL1118ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1118ABS01

Quant Time: Nov 19 01:35:08 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 01:11:25 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.784	49	95420	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.949	114	253448	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.872	117	205104	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.370 95 155032 10.312 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 103.100%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	130627	9.706	ppbv	99
3) Chlorodifluoromethane	1.476	51	117391	8.869	ppbv	97
4) Chloromethane	1.531	50	46147	9.171	ppbv	95
5) Vinyl Chloride	1.580	62	45865	8.335	ppbv	94
6) Bromomethane	1.667	94	24323	9.118	ppbv	98
7) Chloroethane	1.703	64	19180	8.949	ppbv	89
8) Dichlorotetrafluoroethane	1.554	85	106499	9.513	ppbv	96
9) Propene	1.483	41	51535	9.169	ppbv #	1
10) Heptane	4.969	43	142059	8.493	ppbv	100
11) Trichlorofluoromethane	1.878	101	128646	9.866	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.136	101	98007	9.627	ppbv	100
13) Ethanol	1.719	45	17446	8.827	ppbv	100
14) Bromoethene	1.780	108	34562	8.856	ppbv	98
15) Acetone	1.832	43	104416	7.876	ppbv	98
16) 1,3-Butadiene	1.609	39	52150	8.824	ppbv	100
17) tert-Butyl alcohol	2.036	59	171044	9.829	ppbv	99
18) 1,1-Dichloroethene	2.033	96	43555	9.189	ppbv	96
19) Isopropyl Alcohol	1.884	45	70667	9.433	ppbv	97
20) Methylene Chloride	2.059	84	38990	9.980	ppbv	99
21) Allyl Chloride	2.094	41	81713	9.161	ppbv	95
22) trans-1,2-Dichloroethene	2.337	96	48371	8.928	ppbv	95
23) Vinyl Acetate	2.457	43	153810	9.610	ppbv	99
24) 1,1-Dichloroethane	2.405	63	100265	9.588	ppbv	97
25) Ethyl Acetate	2.829	43	256501	8.971	ppbv	99
26) Hexane	2.823	57	113070	9.020	ppbv	98
27) Carbon Disulfide	2.149	76	123045	9.614	ppbv	97
28) Methyl tert-Butyl Ether	2.434	73	62777	10.202	ppbv	99
29) Chloroform	2.845	83	174043	9.768	ppbv	96
30) Cyclohexane	3.852	84	96123	9.146	ppbv	97
31) cis-1,2-Dichloroethene	2.716	61	117110	9.399	ppbv	98
32) 1,1,1-Trichloroethane	3.363	97	181566	9.560	ppbv	98
34) 2-Butanone	2.551	43	165780	9.266	ppbv	98
35) Carbon Tetrachloride	3.758	117	183287	9.527	ppbv	97
36) Benzene	3.651	78	228070	9.396	ppbv	99
37) 1,2-Dichloroethane	3.214	62	142060	10.006	ppbv	98
38) Trichloroethene	4.538	130	87145	9.177	ppbv	93
39) 1,2-Dichloropropane	4.302	63	82832	9.324	ppbv	99
40) 1,4-Dioxane	4.567	88	37417	9.370	ppbv #	94
41) Tetrahydrofuran	3.046	42	90689	9.179	ppbv	99
42) Bromodichloromethane	4.480	83	189395	9.670	ppbv	98
43) Methyl Methacrylate	4.865	69	115470	8.963	ppbv	99
44) 2,2,4-Trimethylpentane	4.632	57	385107	9.238	ppbv	99
45) t-1,3-Dichloropropene	6.399	75	112967	9.406	ppbv	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111825\
 Data File : VL043213.D
 Acq On : 18 Nov 2025 15:24
 Operator : SY/MD
 Sample : VL1118ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

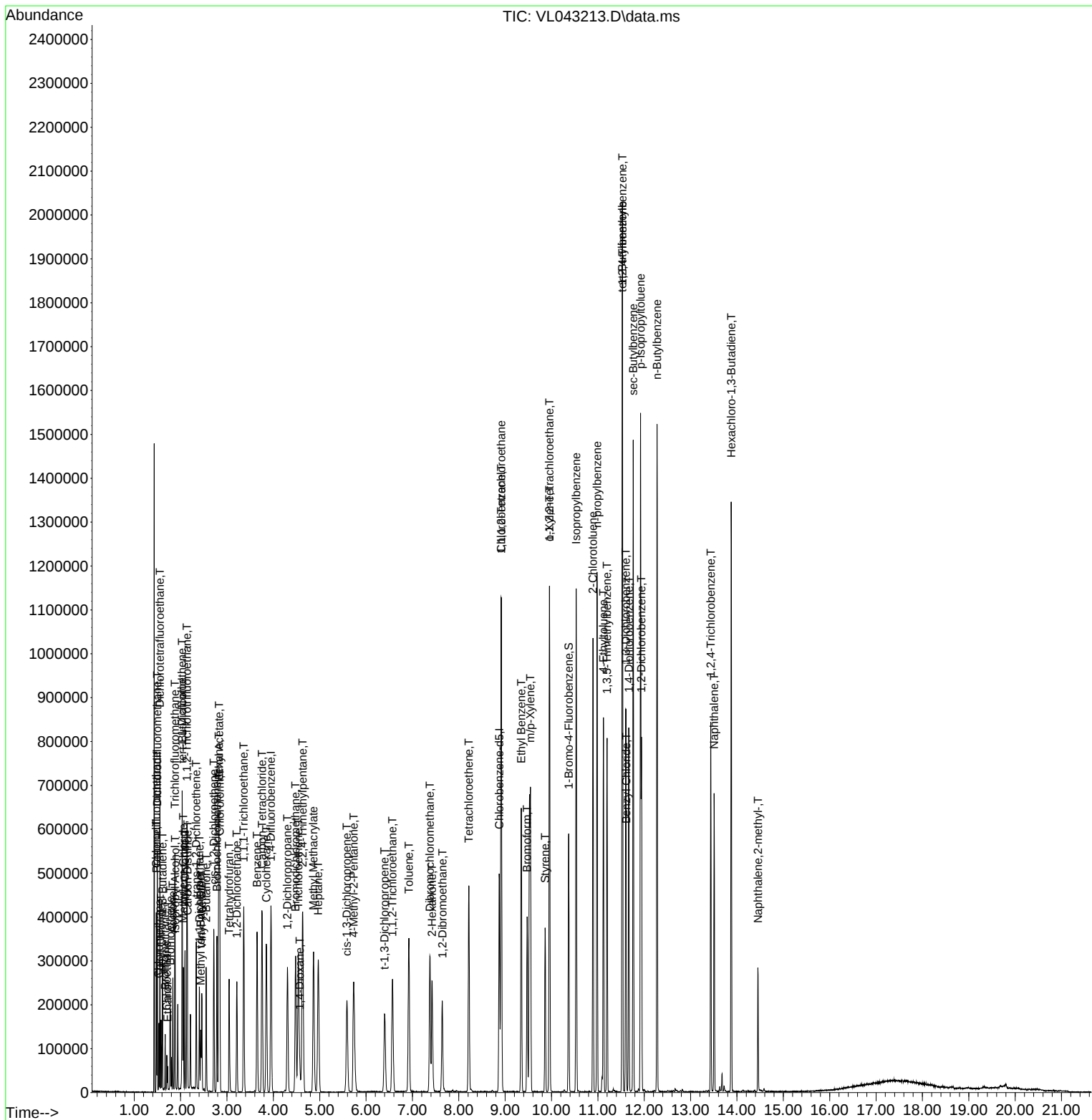
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 ClientSampleId :
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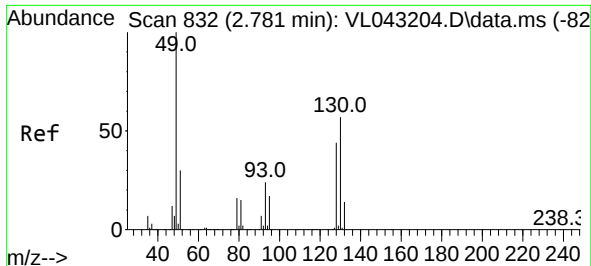
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Nov 19 01:11:25 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.587	75	130518	9.255	ppbv	99
47) 1,1,2-Trichloroethane	6.567	97	88389	9.375	ppbv	96
48) Dibromochloromethane	7.377	129	154832	9.552	ppbv	99
49) Bromoform	9.474	173	134624	9.377	ppbv	99
50) 4-Methyl-2-Pentanone	5.732	43	227676	9.034	ppbv	100
51) 2-Hexanone	7.425	43	178681	9.130	ppbv #	100
52) Tetrachloroethene	8.218	164	80037	8.865	ppbv	96
53) Toluene	6.923	91	264384	9.199	ppbv	99
54) 1,2-Dibromoethane	7.645	107	132155	9.526	ppbv	98
56) 1,1,1,2-Tetrachloroethane	8.917	131	142171	9.432	ppbv	98
57) Chlorobenzene	8.914	112	200166	9.505	ppbv	98
58) Ethyl Benzene	9.348	91	375021	9.500	ppbv	99
59) m/p-Xylene	9.545	91	269855	8.526	ppbv #	18
60) o-Xylene	9.956	91	293838	9.293	ppbv	99
61) Styrene	9.862	104	131154	9.478	ppbv	99
62) Isopropylbenzene	10.532	105	532270	9.410	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.956	83	185351	9.213	ppbv	99
64) n-propylbenzene	10.982	120	134605	9.261	ppbv	96
65) tert-Butylbenzene	11.526	119	458253	9.071	ppbv	98
66) Benzyl Chloride	11.610	91	43604	8.505	ppbv	98
67) sec-Butylbenzene	11.762	105	643089	9.120	ppbv	100
69) p-Isopropyltoluene	11.921	119	546654	9.151	ppbv	99
70) n-Butylbenzene	12.277	91	547505	9.448	ppbv	100
71) 2-Chlorotoluene	10.895	91	410121	9.432	ppbv	99
72) 4-Ethyltoluene	11.118	105	361508	9.389	ppbv	99
73) 1,3,5-Trimethylbenzene	11.199	105	302506	9.362	ppbv	94
74) 1,2,4-Trimethylbenzene	11.532	105	325533	9.232	ppbv	92
75) 1,3-Dichlorobenzene	11.604	146	190669	9.266	ppbv	98
76) 1,4-Dichlorobenzene	11.668	146	189947	9.229	ppbv	99
77) 1,2-Dichlorobenzene	11.940	146	178522	9.023	ppbv	99
78) Hexachloro-1,3-Butadiene	13.876	225	139303	8.437	ppbv	99
79) Naphthalene	13.507	128	307459	9.817	ppbv	100
80) Naphthalene,2-methyl-	14.452	142	78304	9.525	ppbv	98
81) 1,2,4-Trichlorobenzene	13.436	180	137086	9.787	ppbv	98

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

Quant Time: Nov 19 01:35:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
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QLast Update : Wed Nov 19 01:11:25 2025
Response via : Initial Calibration

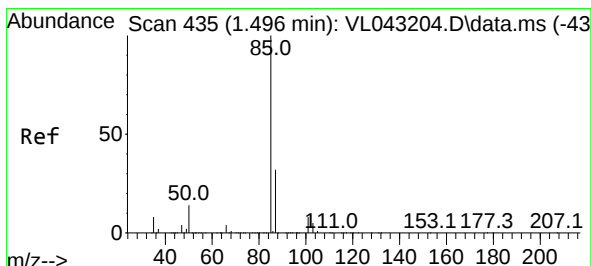
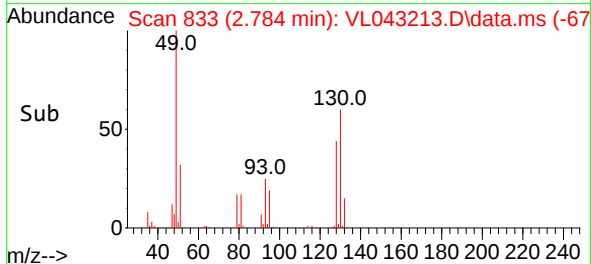
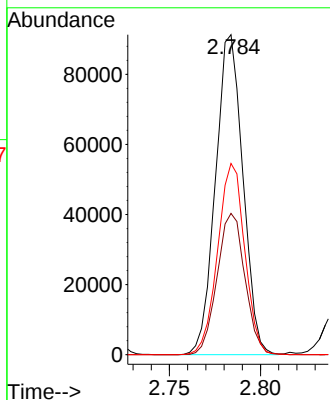
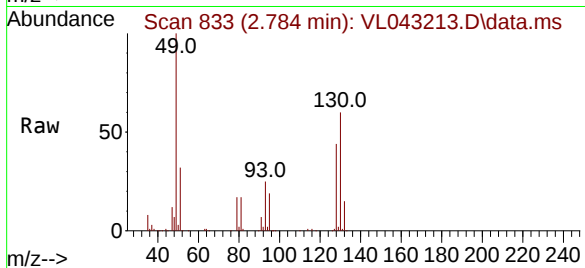




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL043213.D
Acq: 18 Nov 2025 15:24

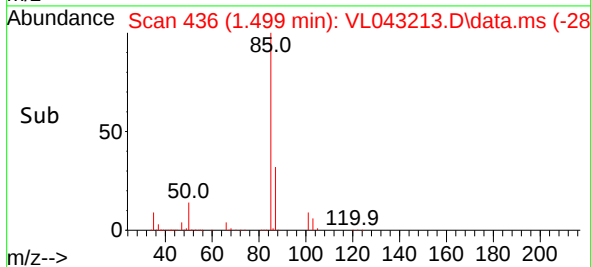
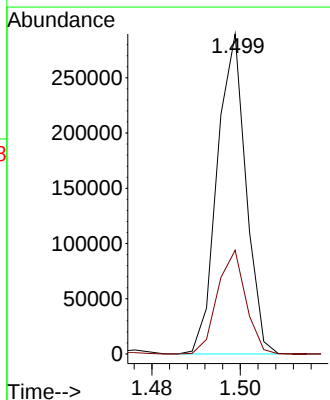
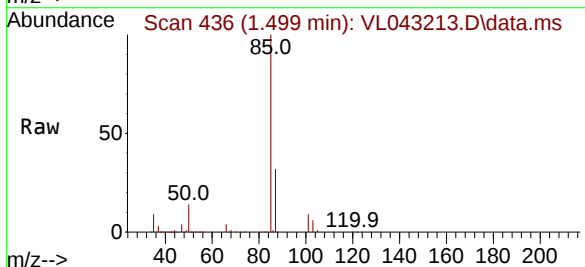
Instrument :
MSVOA_L
ClientSampleId :
VL1118ABS01

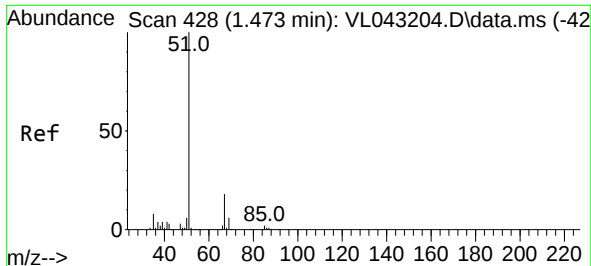
Tgt Ion: 49 Resp: 95420
Ion Ratio Lower Upper
49 100
128 44.8 23.0 69.0
130 59.0 29.9 89.7



#2
Dichlorodifluoromethane
Concen: 9.706 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.003 min
Lab File: VL043213.D
Acq: 18 Nov 2025 15:24

Tgt Ion: 85 Resp: 130627
Ion Ratio Lower Upper
85 100
87 32.4 25.4 38.2

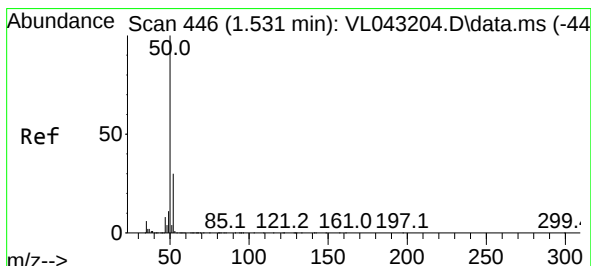
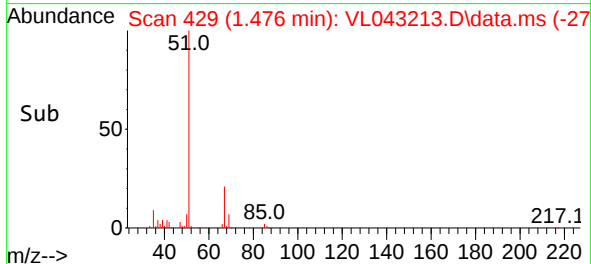
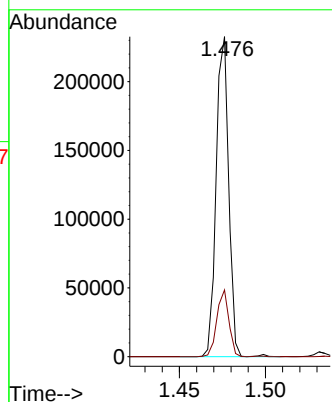
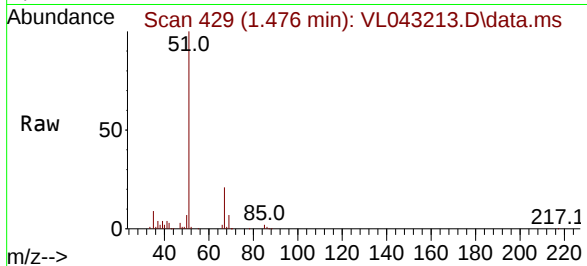




#3
Chlorodifluoromethane
Concen: 8.869 ppbv
RT: 1.476 min Scan# 428
Delta R.T. 0.003 min
Lab File: VL043213.D
Acq: 18 Nov 2025 15:24

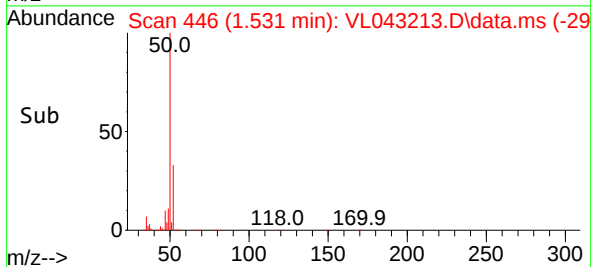
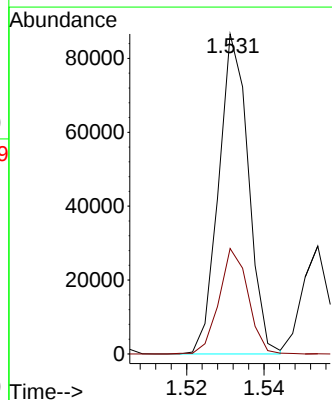
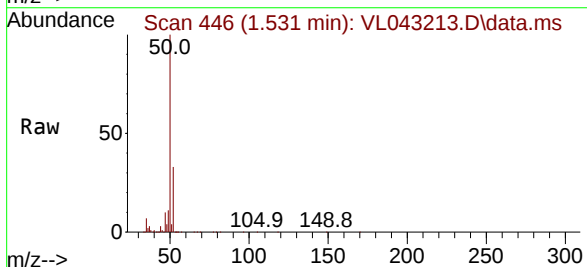
Instrument :
MSVOA_L
ClientSampleId :
VL1118ABS01

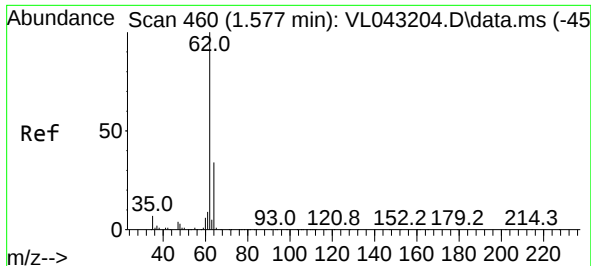
Tgt Ion: 51 Resp: 117391
Ion Ratio Lower Upper
51 100
67 20.2 14.9 22.3



#4
Chloromethane
Concen: 9.171 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL043213.D
Acq: 18 Nov 2025 15:24

Tgt Ion: 50 Resp: 46147
Ion Ratio Lower Upper
50 100
52 32.8 24.1 36.1

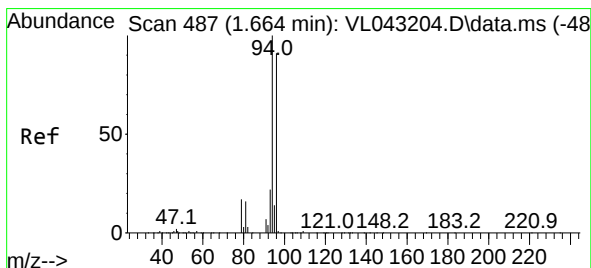
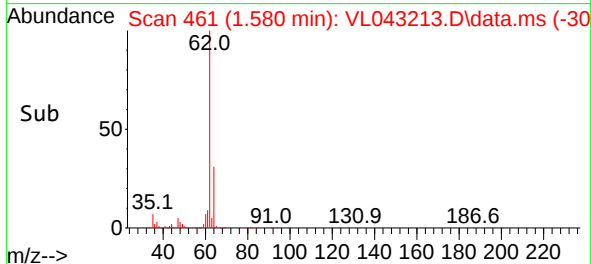
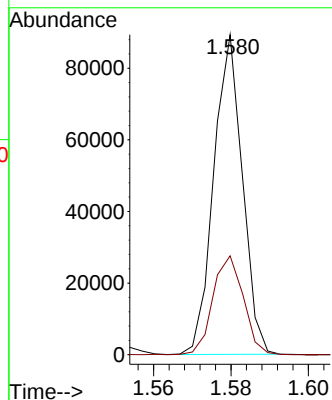
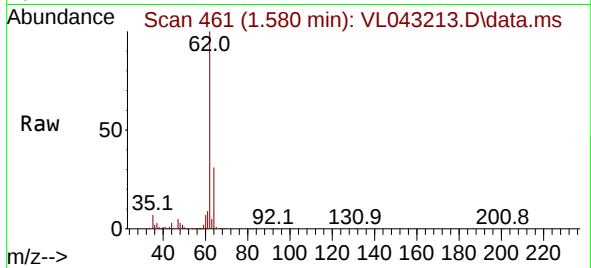




#5
 Vinyl Chloride
 Concen: 8.335 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. 0.003 min
 Lab File: VL043213.D
 Acq: 18 Nov 2025 15:24

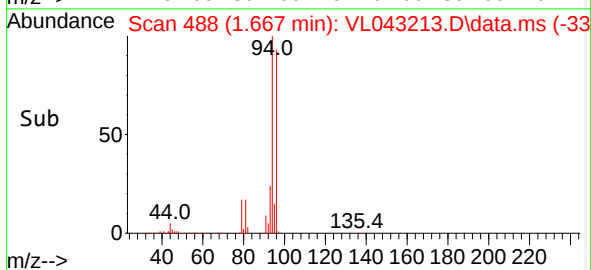
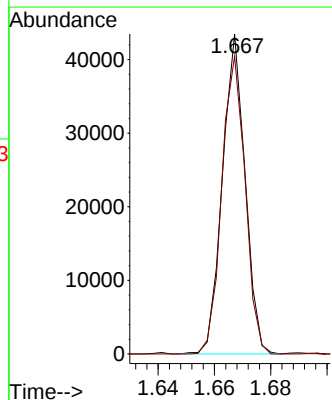
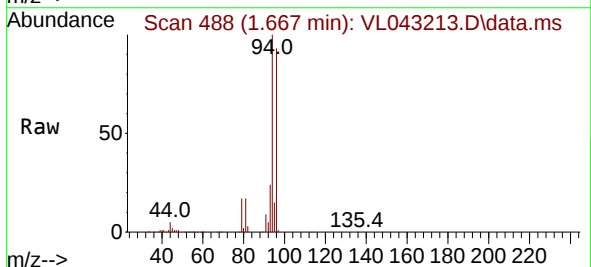
Instrument :
 MSVOA_1
 ClientSampleId :
 VL1118ABS01

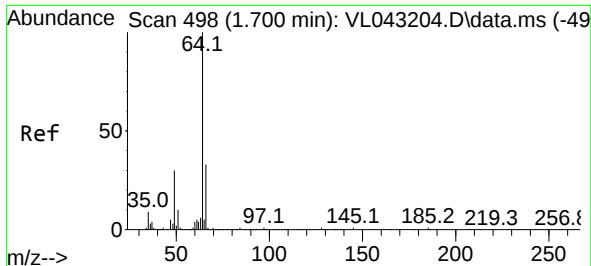
Tgt Ion: 62 Resp: 45865
 Ion Ratio Lower Upper
 62 100
 64 30.8 27.3 40.9



#6
 Bromomethane
 Concen: 9.118 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. 0.003 min
 Lab File: VL043213.D
 Acq: 18 Nov 2025 15:24

Tgt Ion: 94 Resp: 24323
 Ion Ratio Lower Upper
 94 100
 96 93.1 72.9 109.3

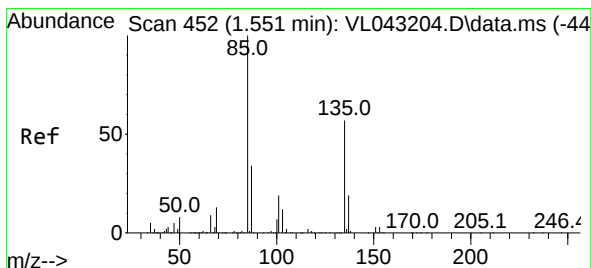
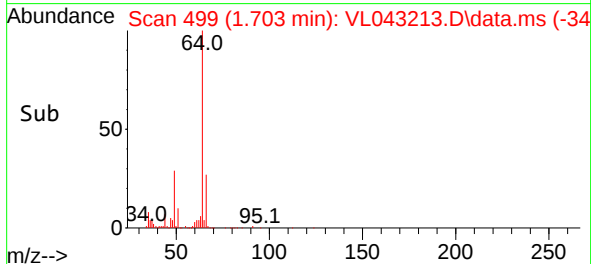
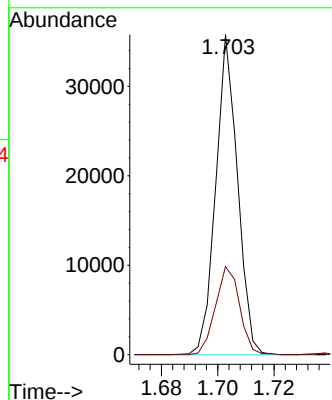
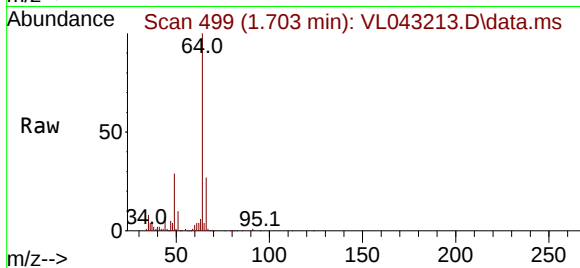




#7
Chloroethane
Concen: 8.949 ppbv
RT: 1.703 min Scan# 498
Delta R.T. 0.003 min
Lab File: VL043213.D
Acq: 18 Nov 2025 15:24

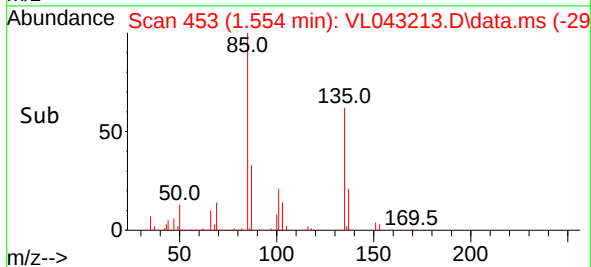
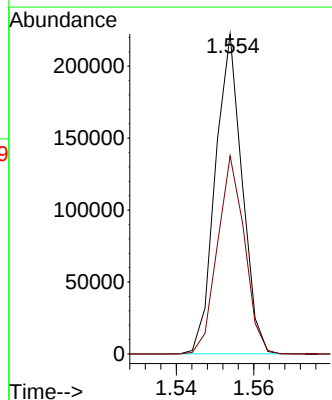
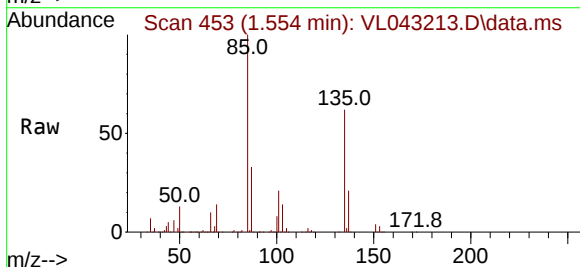
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ClientSampleId :
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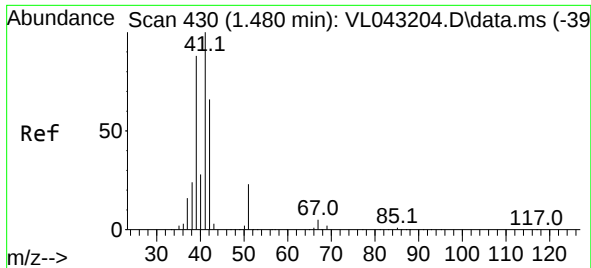
Tgt Ion: 64 Resp: 19180
Ion Ratio Lower Upper
64 100
66 27.5 26.8 40.2



#8
Dichlorotetrafluoroethane
Concen: 9.513 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.003 min
Lab File: VL043213.D
Acq: 18 Nov 2025 15:24

Tgt Ion: 85 Resp: 106499
Ion Ratio Lower Upper
85 100
135 62.8 52.6 79.0





#9

Propene

Concen: 9.169 ppbv

RT: 1.483 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL043213.D

Acq: 18 Nov 2025 15:24

Instrument :

MSVOA_L

ClientSampleId :

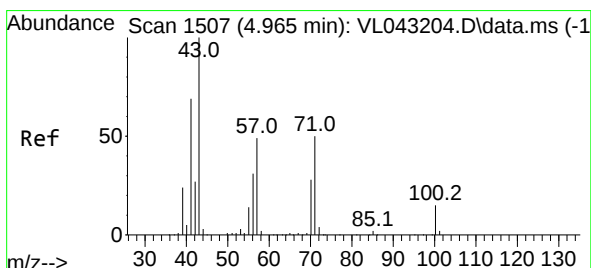
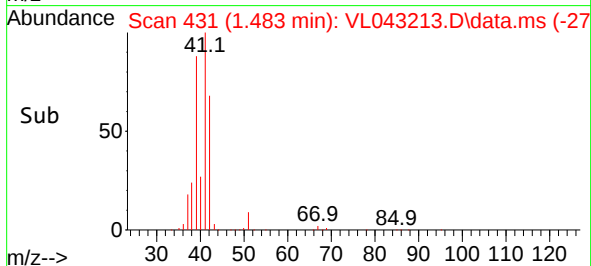
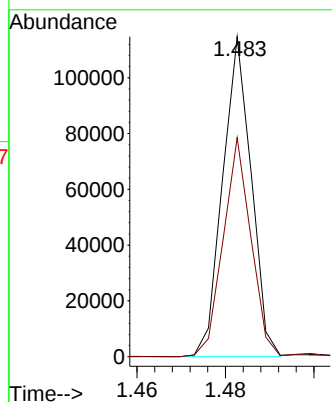
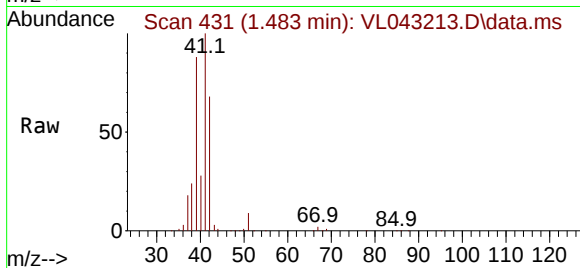
VL1118ABS01

Tgt Ion: 41 Resp: 51535

Ion Ratio Lower Upper

41 100

42 67.9 3.7 5.5#



#10

Heptane

Concen: 8.493 ppbv

RT: 4.969 min Scan# 1508

Delta R.T. 0.003 min

Lab File: VL043213.D

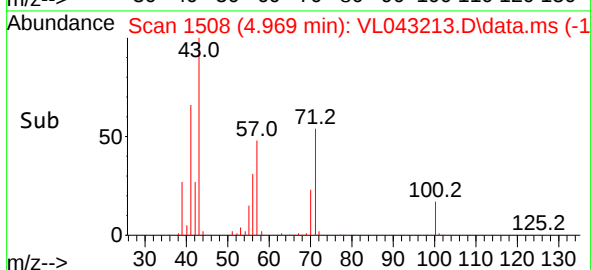
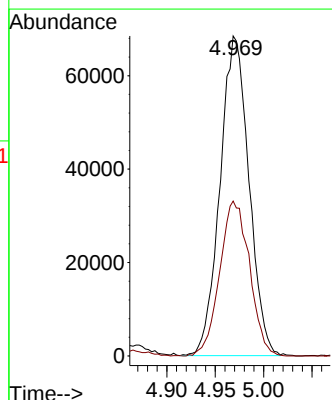
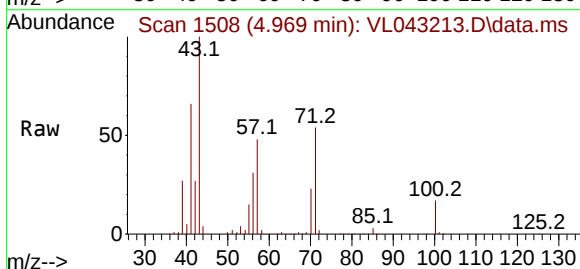
Acq: 18 Nov 2025 15:24

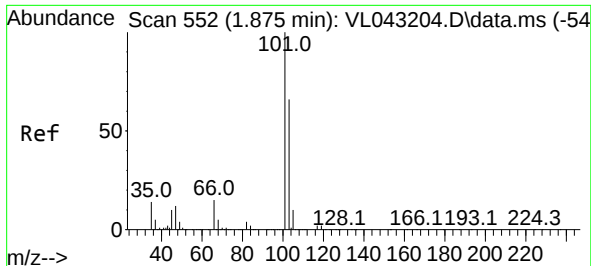
Tgt Ion: 43 Resp: 142059

Ion Ratio Lower Upper

43 100

57 49.9 39.7 59.5

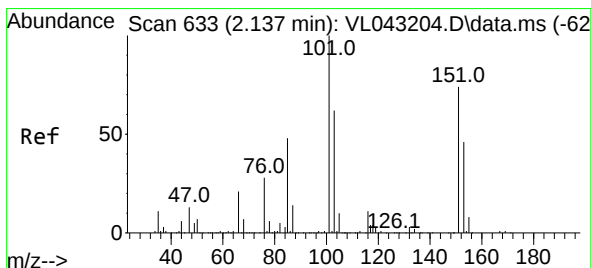
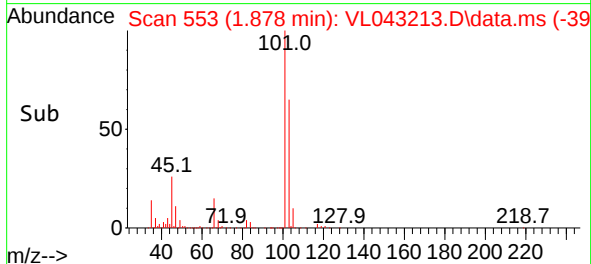
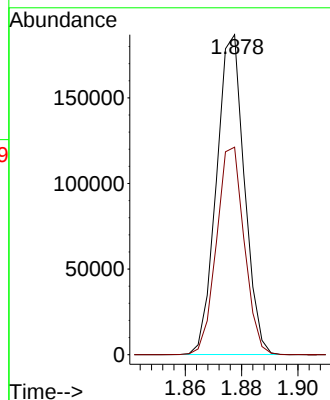
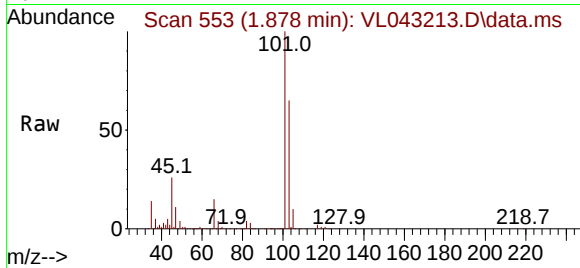




#11
 Trichlorofluoromethane
 Concen: 9.866 ppbv
 RT: 1.878 min Scan# 511
 Delta R.T. 0.003 min
 Lab File: VL043213.D
 Acq: 18 Nov 2025 15:24

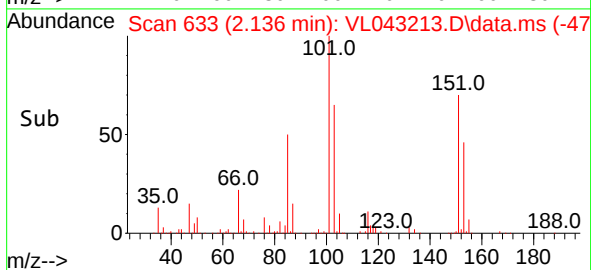
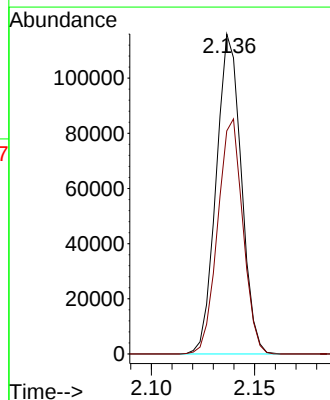
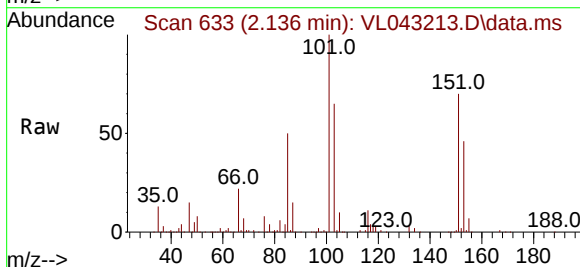
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1118ABS01

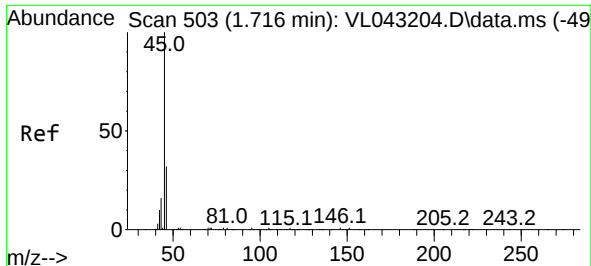
Tgt Ion:101 Resp: 128646
 Ion Ratio Lower Upper
 101 100
 103 64.8 52.6 79.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.627 ppbv
 RT: 2.136 min Scan# 633
 Delta R.T. -0.000 min
 Lab File: VL043213.D
 Acq: 18 Nov 2025 15:24

Tgt Ion:101 Resp: 98007
 Ion Ratio Lower Upper
 101 100
 151 73.7 59.2 88.8

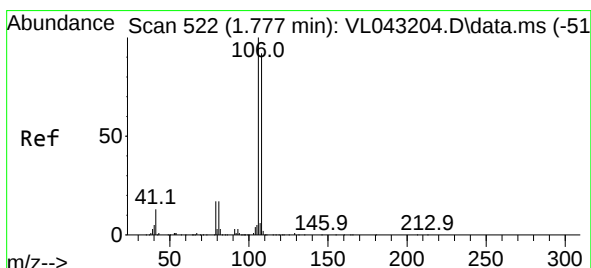
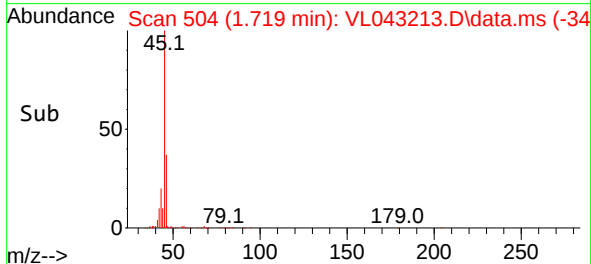
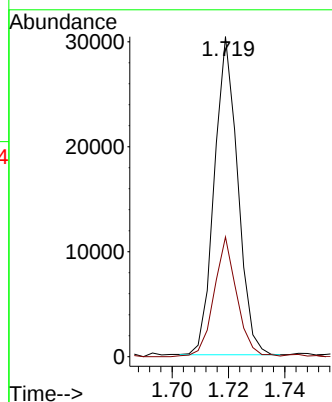
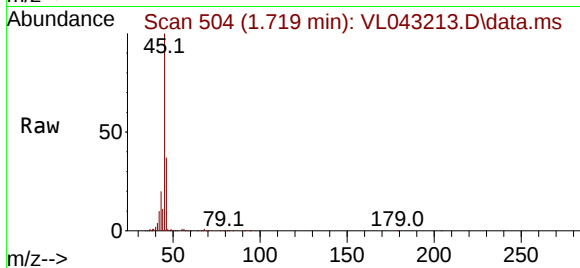




#13
Ethanol
Concen: 8.827 ppbv
RT: 1.719 min Scan# 503
Delta R.T. 0.003 min
Lab File: VL043213.D
Acq: 18 Nov 2025 15:24

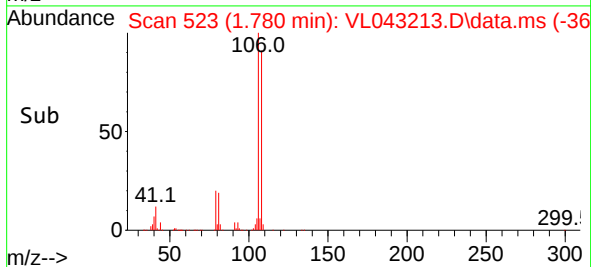
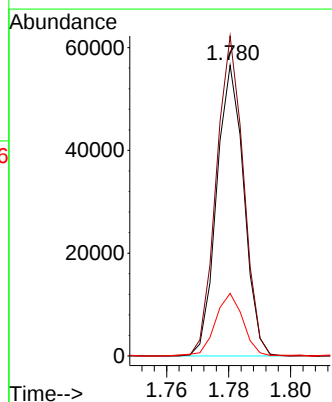
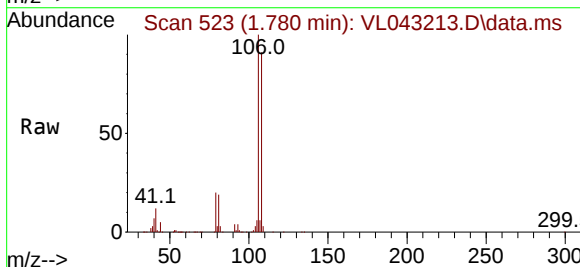
Instrument :
MSVOA_L
ClientSampleId :
VL1118ABS01

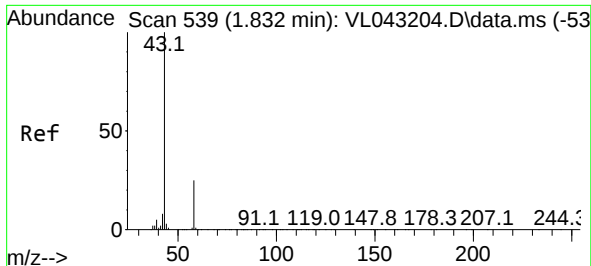
Tgt Ion: 45 Resp: 17446
Ion Ratio Lower Upper
45 100
46 37.4 15.0 59.8



#14
Bromoethene
Concen: 8.856 ppbv
RT: 1.780 min Scan# 523
Delta R.T. 0.003 min
Lab File: VL043213.D
Acq: 18 Nov 2025 15:24

Tgt Ion: 108 Resp: 34562
Ion Ratio Lower Upper
108 100
106 109.8 88.9 133.3
79 22.2 16.5 24.7

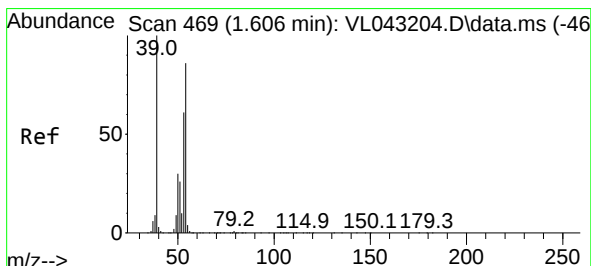
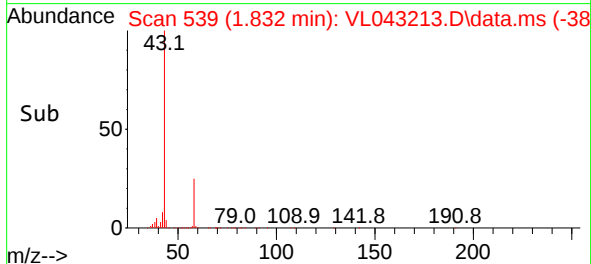
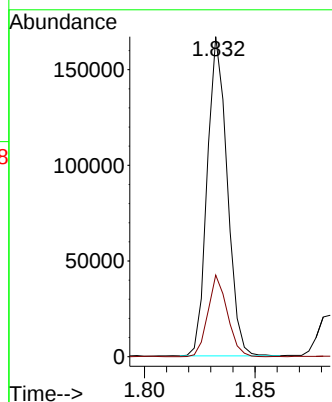
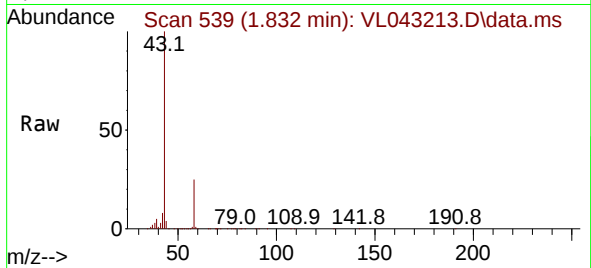




#15
Acetone
Concen: 7.876 ppbv
RT: 1.832 min Scan# 51
Delta R.T. -0.000 min
Lab File: VL043213.D
Acq: 18 Nov 2025 15:24

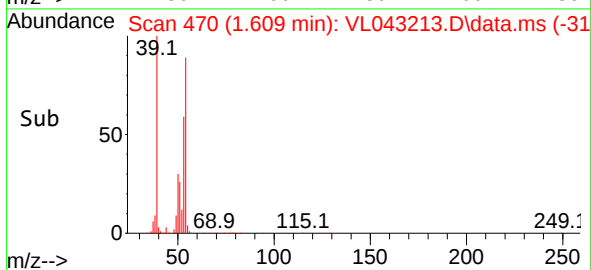
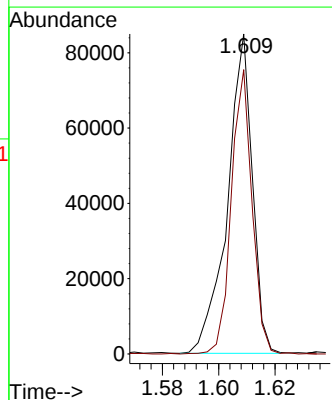
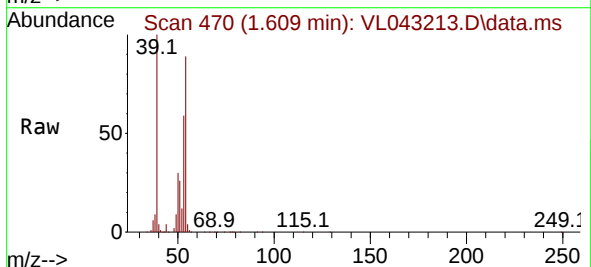
Instrument :
MSVOA_L
ClientSampleId :
VL1118ABS01

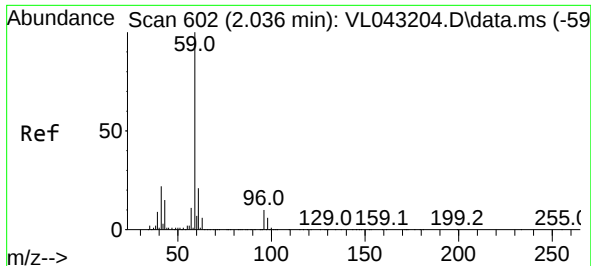
Tgt Ion: 43 Resp: 104416
Ion Ratio Lower Upper
43 100
58 25.1 20.7 31.1



#16
1,3-Butadiene
Concen: 8.824 ppbv
RT: 1.609 min Scan# 470
Delta R.T. 0.003 min
Lab File: VL043213.D
Acq: 18 Nov 2025 15:24

Tgt Ion: 39 Resp: 52150
Ion Ratio Lower Upper
39 100
54 74.1 59.4 89.2

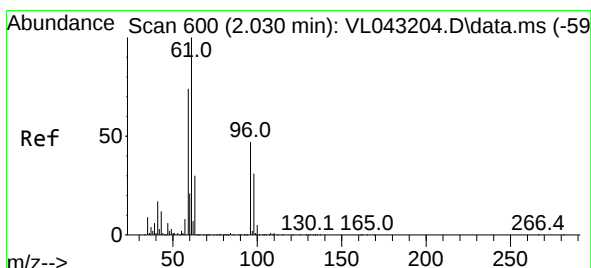
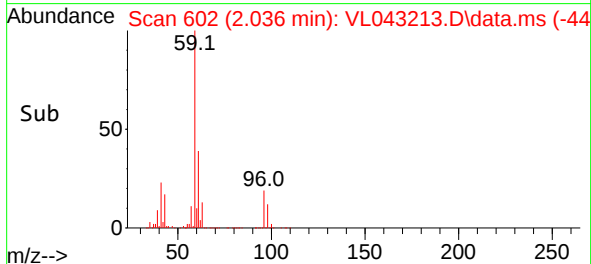
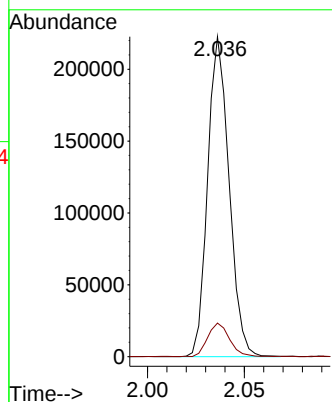
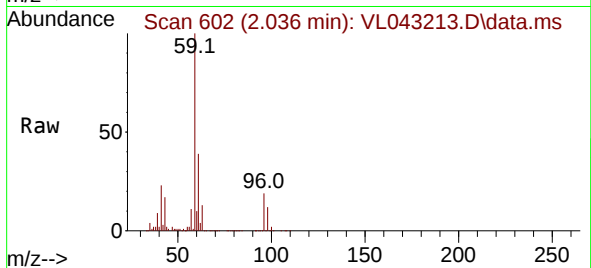




#17
tert-Butyl alcohol
Concen: 9.829 ppbv
RT: 2.036 min Scan# 602
Delta R.T. -0.000 min
Lab File: VL043213.D
Acq: 18 Nov 2025 15:24

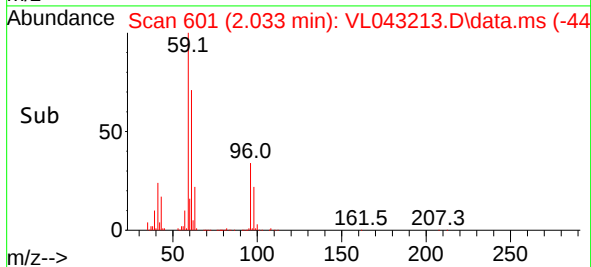
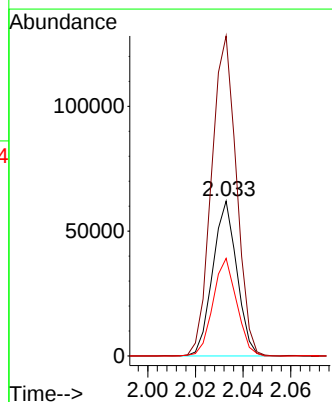
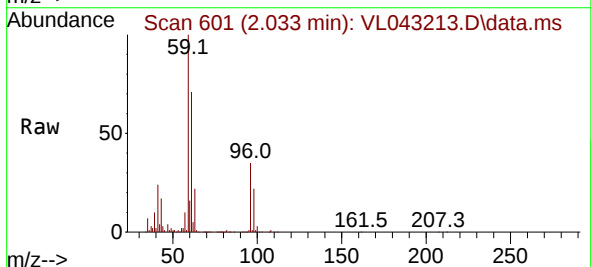
Instrument :
MSVOA_1
ClientSampleId :
VL1118ABS01

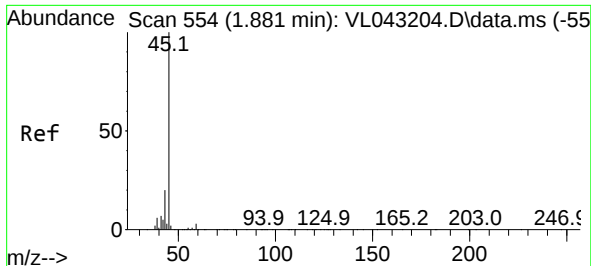
Tgt Ion: 59 Resp: 171044
Ion Ratio Lower Upper
59 100
57 10.9 9.0 13.4



#18
1,1-Dichloroethene
Concen: 9.189 ppbv
RT: 2.033 min Scan# 601
Delta R.T. 0.003 min
Lab File: VL043213.D
Acq: 18 Nov 2025 15:24

Tgt Ion: 96 Resp: 43555
Ion Ratio Lower Upper
96 100
61 206.6 170.6 255.8
98 63.1 52.2 78.4

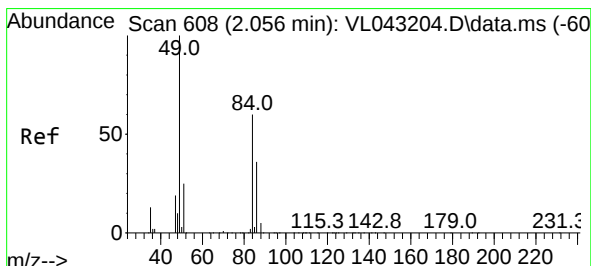
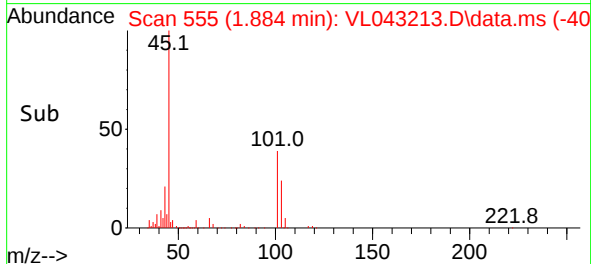
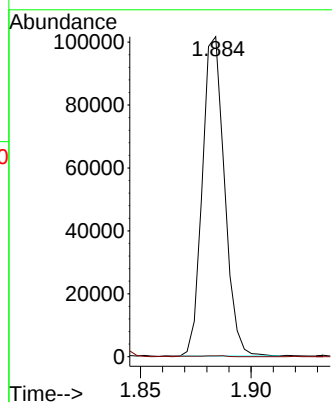
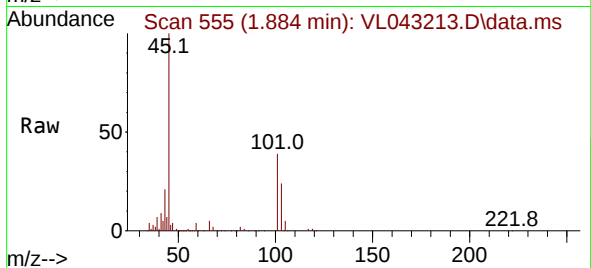




#19
Isopropyl Alcohol
Concen: 9.433 ppbv
RT: 1.884 min Scan# 511
Delta R.T. 0.003 min
Lab File: VL043213.D
Acq: 18 Nov 2025 15:24

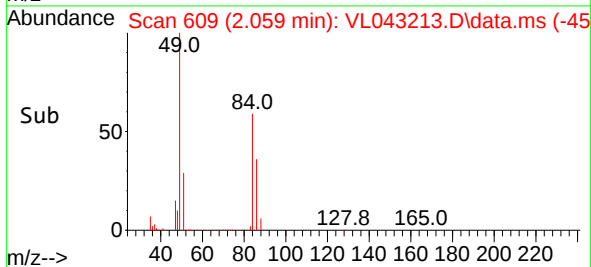
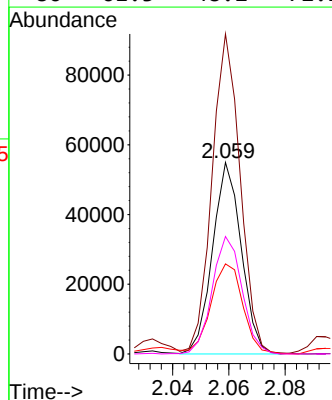
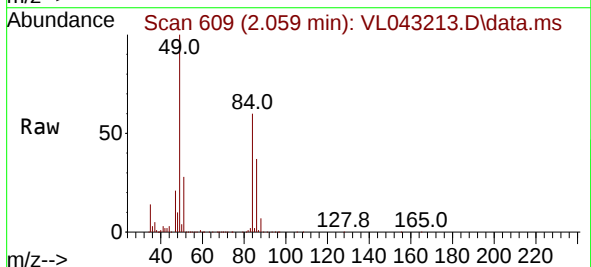
Instrument :
MSVOA_L
ClientSampleId :
VL1118ABS01

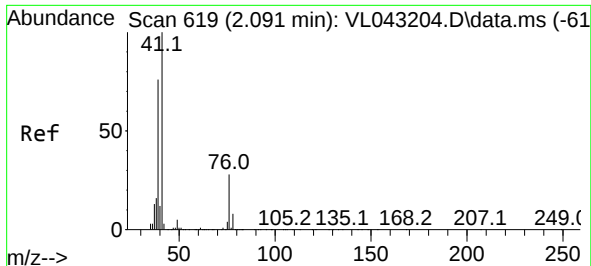
Tgt Ion: 45 Resp: 70667
Ion Ratio Lower Upper
45 100
58 37.1 31.3 46.9



#20
Methylene Chloride
Concen: 9.980 ppbv
RT: 2.059 min Scan# 609
Delta R.T. 0.003 min
Lab File: VL043213.D
Acq: 18 Nov 2025 15:24

Tgt Ion: 84 Resp: 38990
Ion Ratio Lower Upper
84 100
49 166.6 132.9 199.3
51 46.8 34.8 52.2
86 61.3 48.2 72.2





#21

Allyl Chloride

Concen: 9.161 ppbv

RT: 2.094 min Scan# 619

Delta R.T. 0.003 min

Lab File: VL043213.D

Acq: 18 Nov 2025 15:24

Instrument :

MSVOA_1

ClientSampleId :

VL1118ABS01

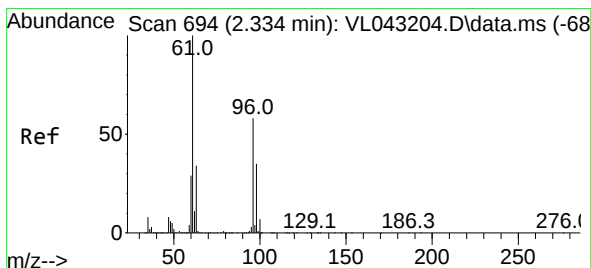
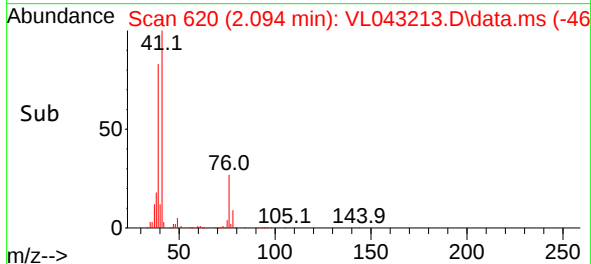
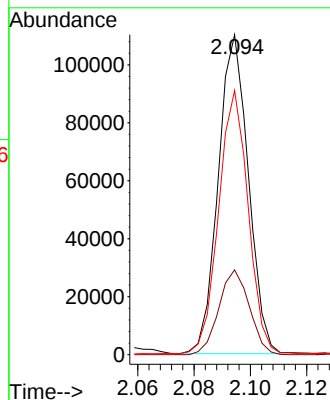
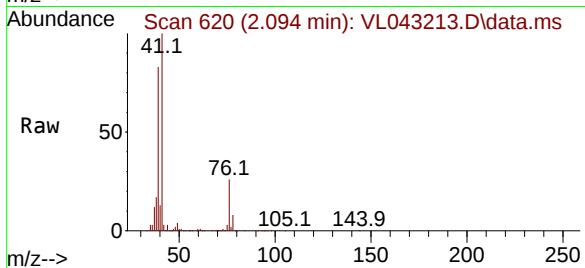
Tgt Ion: 41 Resp: 81713

Ion Ratio Lower Upper

41 100

76 26.9 22.1 33.1

39 81.2 61.0 91.4



#22

trans-1,2-Dichloroethene

Concen: 8.928 ppbv

RT: 2.337 min Scan# 695

Delta R.T. 0.003 min

Lab File: VL043213.D

Acq: 18 Nov 2025 15:24

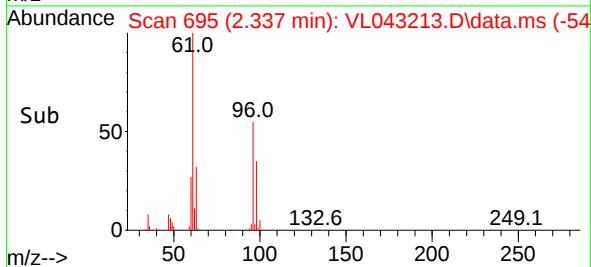
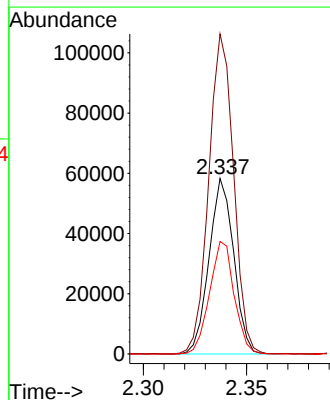
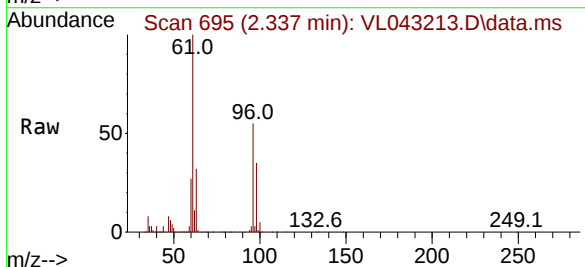
Tgt Ion: 96 Resp: 48371

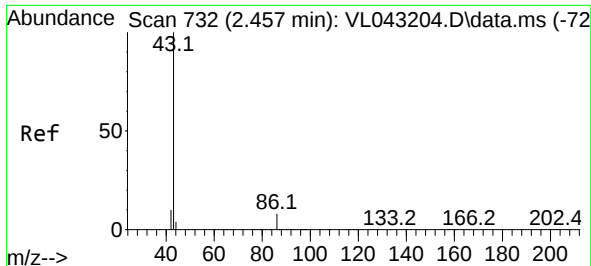
Ion Ratio Lower Upper

96 100

61 182.1 139.0 208.6

98 64.1 49.4 74.2



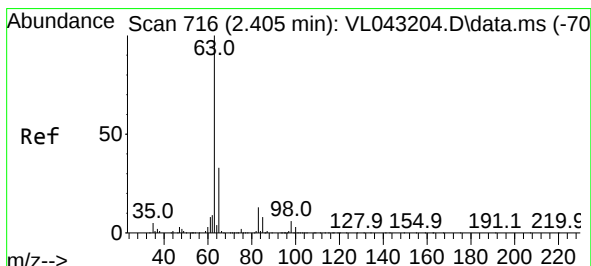
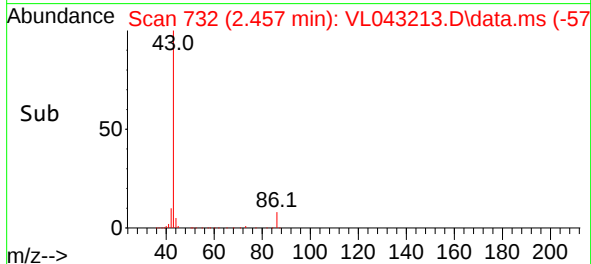
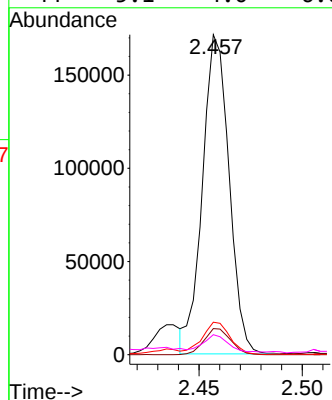
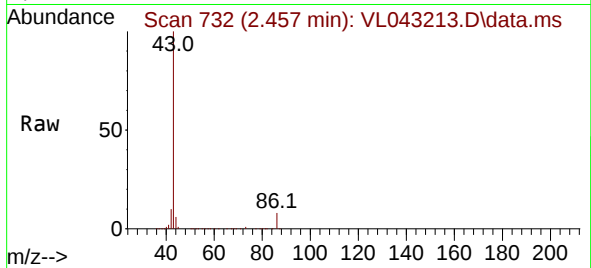


#23
 Vinyl Acetate
 Concen: 9.610 ppbv
 RT: 2.457 min Scan# 716
 Delta R.T. -0.000 min
 Lab File: VL043213.D
 Acq: 18 Nov 2025 15:24

Instrument :
 MSVOA_1
 ClientSampleId :
 VL1118ABS01

Tgt Ion: 43 Resp: 153810

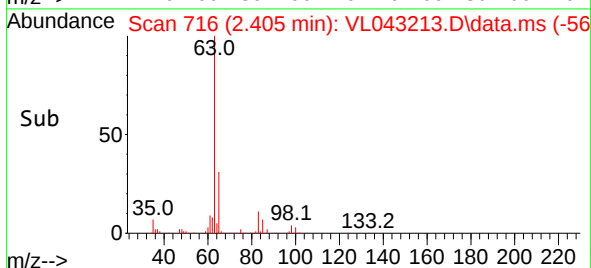
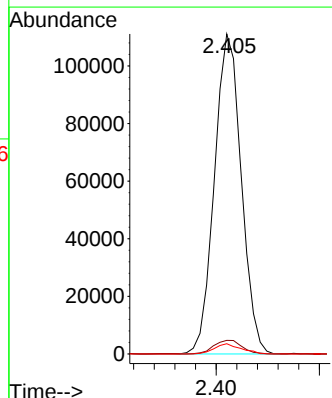
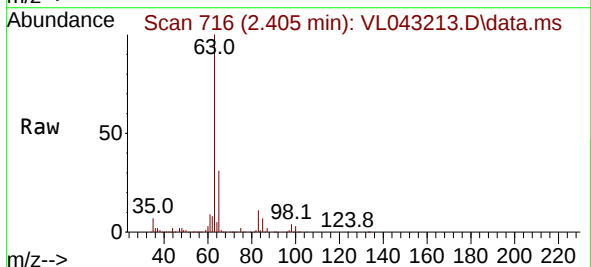
Ion	Ratio	Lower	Upper
43	100		
86	8.2	6.2	9.2
42	10.0	8.0	12.0
44	5.1	4.0	6.0

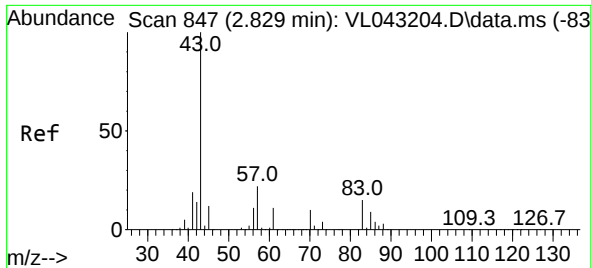


#24
 1,1-Dichloroethane
 Concen: 9.588 ppbv
 RT: 2.405 min Scan# 716
 Delta R.T. -0.000 min
 Lab File: VL043213.D
 Acq: 18 Nov 2025 15:24

Tgt Ion: 63 Resp: 100265

Ion	Ratio	Lower	Upper
63	100		
98	4.2	2.8	8.4
100	3.2	1.3	3.9

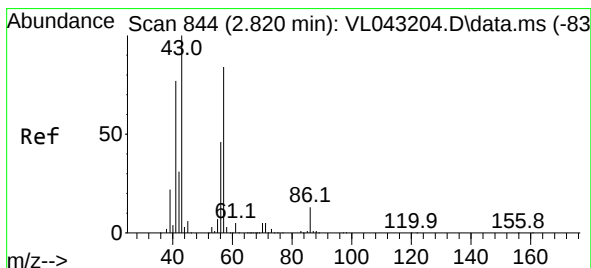
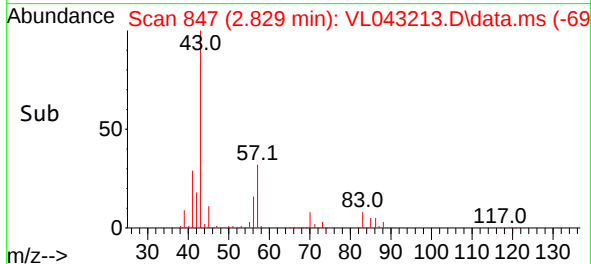
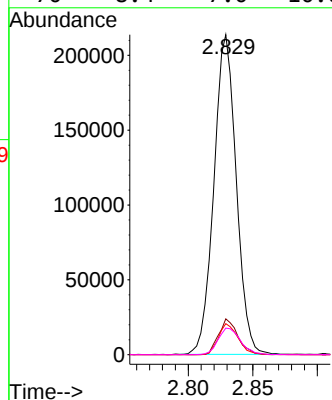
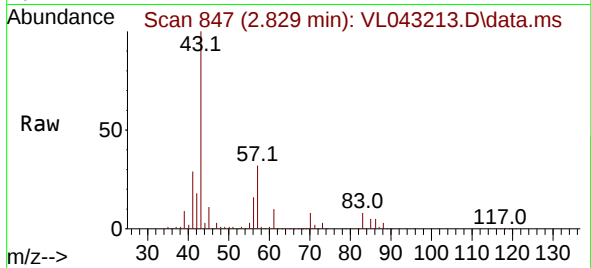




#25
Ethyl Acetate
Concen: 8.971 ppbv
RT: 2.829 min Scan# 847
Delta R.T. -0.000 min
Lab File: VL043213.D
Acq: 18 Nov 2025 15:24

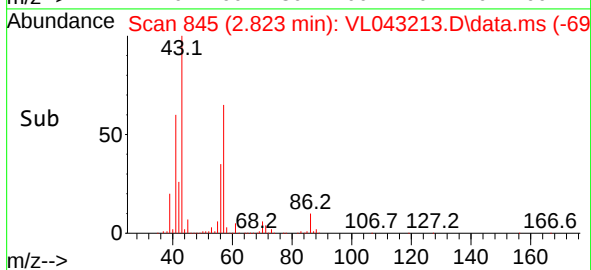
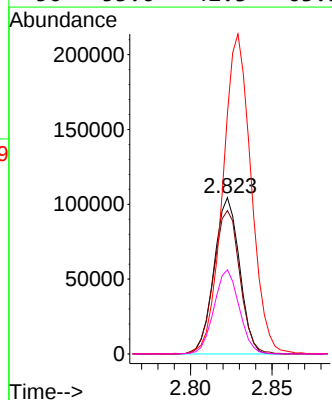
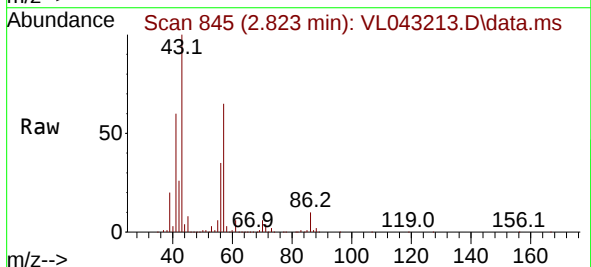
Instrument :
MSVOA_L
ClientSampleId :
VL1118ABS01

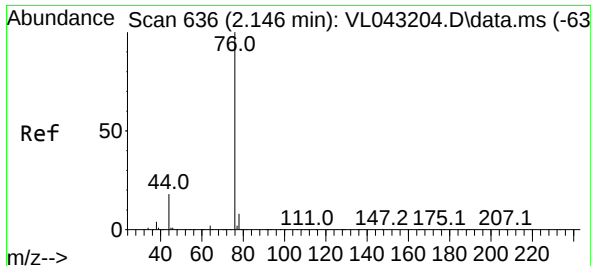
Tgt Ion:	43	Resp:	256501
Ion	Ratio	Lower	Upper
43	100		
45	9.8	8.1	12.1
61	8.5	7.0	10.4
70	8.4	7.0	10.6



#26
Hexane
Concen: 9.020 ppbv
RT: 2.823 min Scan# 845
Delta R.T. 0.003 min
Lab File: VL043213.D
Acq: 18 Nov 2025 15:24

Tgt Ion:	57	Resp:	113070
Ion	Ratio	Lower	Upper
57	100		
41	95.4	74.6	111.8
43	228.3	179.0	268.4
56	53.6	42.3	63.5





#27

Carbon Disulfide

Concen: 9.614 ppbv

RT: 2.149 min Scan# 61

Delta R.T. 0.003 min

Lab File: VL043213.D

Acq: 18 Nov 2025 15:24

Instrument :

MSVOA_L

ClientSampleId :

VL1118ABS01

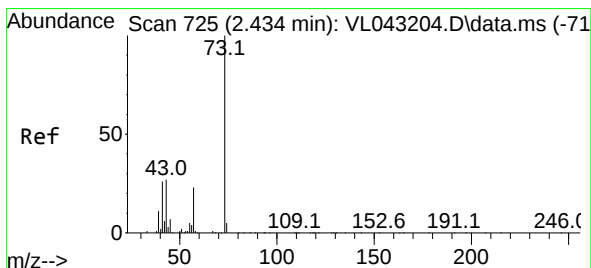
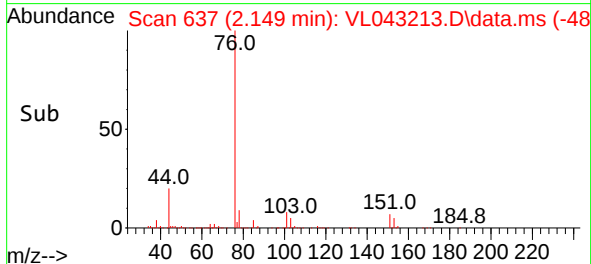
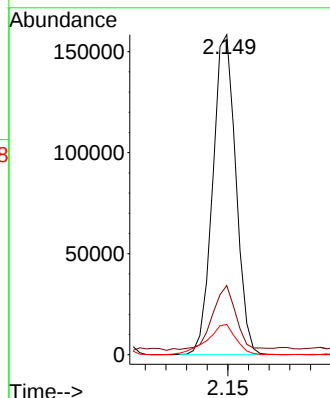
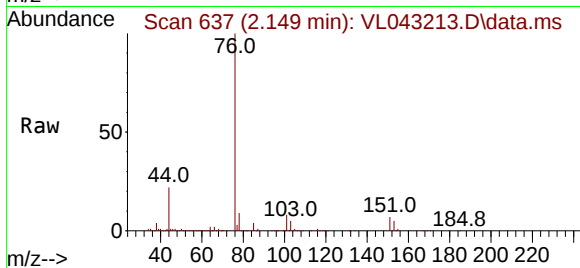
Tgt Ion: 76 Resp: 123045

Ion Ratio Lower Upper

76 100

44 22.3 16.1 24.1

78 11.9 9.6 14.4



#28

Methyl tert-Butyl Ether

Concen: 10.202 ppbv

RT: 2.434 min Scan# 725

Delta R.T. -0.000 min

Lab File: VL043213.D

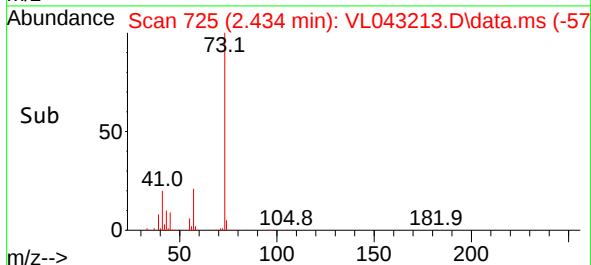
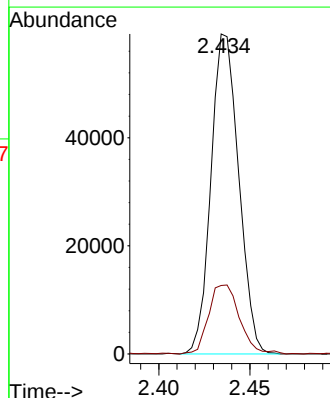
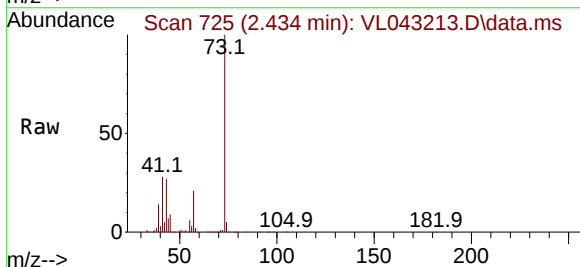
Acq: 18 Nov 2025 15:24

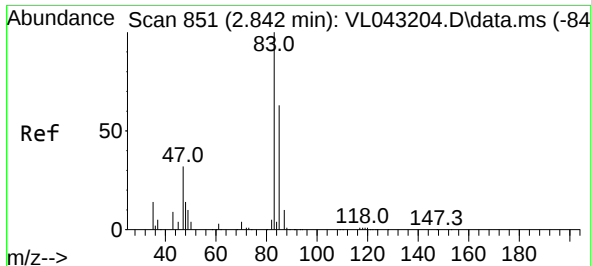
Tgt Ion: 73 Resp: 62777

Ion Ratio Lower Upper

73 100

57 24.2 19.8 29.8





#29

Chloroform

Concen: 9.768 ppbv

RT: 2.845 min Scan# 81

Delta R.T. 0.003 min

Lab File: VL043213.D

Acq: 18 Nov 2025 15:24

Instrument :

MSVOA_L

ClientSampleId :

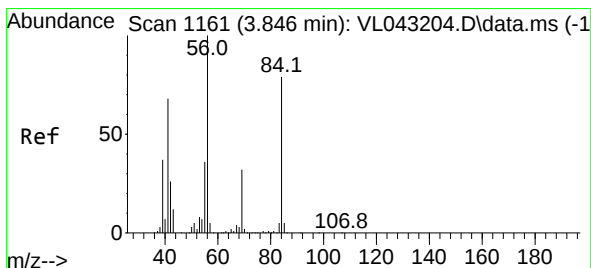
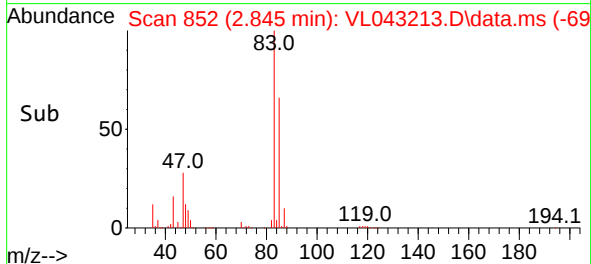
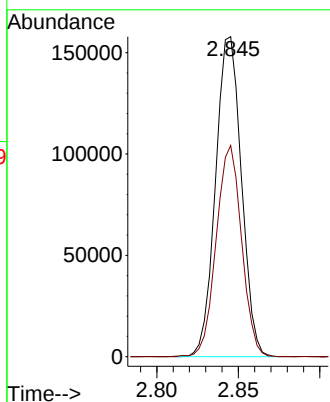
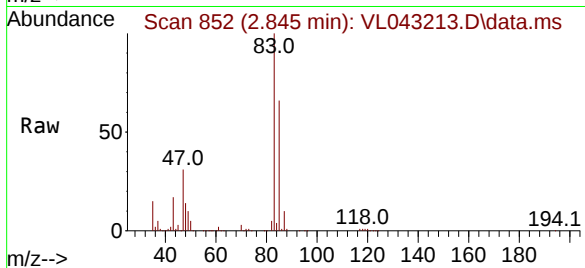
VL1118ABS01

Tgt Ion: 83 Resp: 174043

Ion Ratio Lower Upper

83 100

85 66.0 50.5 75.7



#30

Cyclohexane

Concen: 9.146 ppbv

RT: 3.852 min Scan# 1163

Delta R.T. 0.006 min

Lab File: VL043213.D

Acq: 18 Nov 2025 15:24

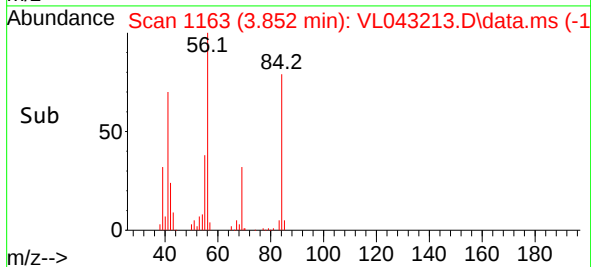
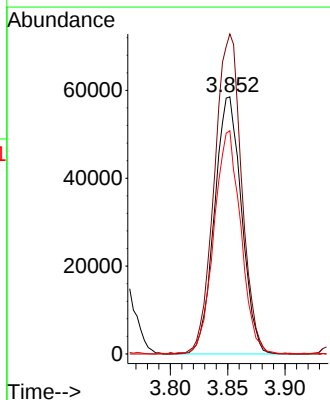
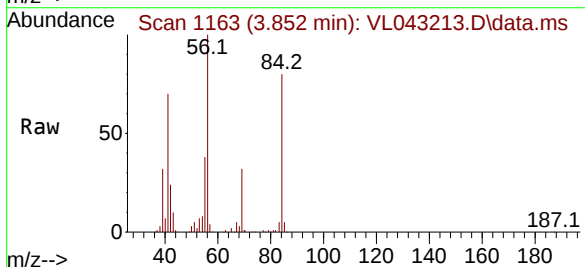
Tgt Ion: 84 Resp: 96123

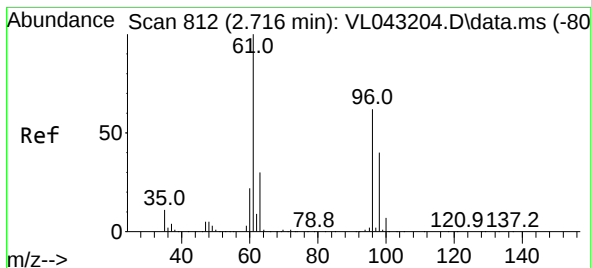
Ion Ratio Lower Upper

84 100

56 125.0 104.7 157.1

41 86.2 69.0 103.6





#31

cis-1,2-Dichloroethene

Concen: 9.399 ppbv

RT: 2.716 min Scan# 81

Delta R.T. -0.000 min

Lab File: VL043213.D

Acq: 18 Nov 2025 15:24

Instrument :

MSVOA_1

ClientSampleId :

VL1118ABS01

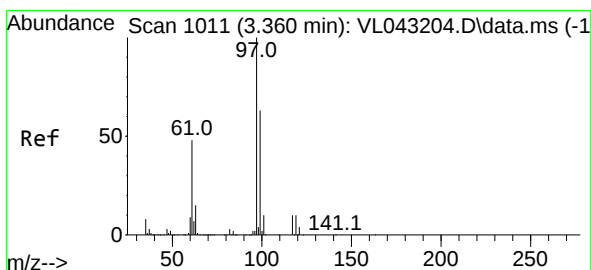
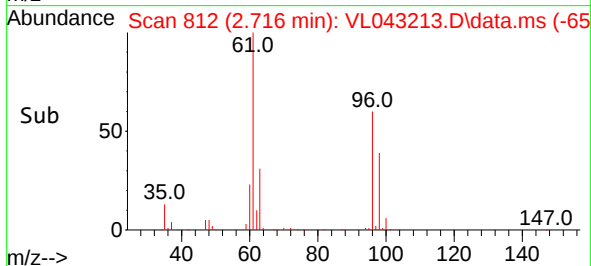
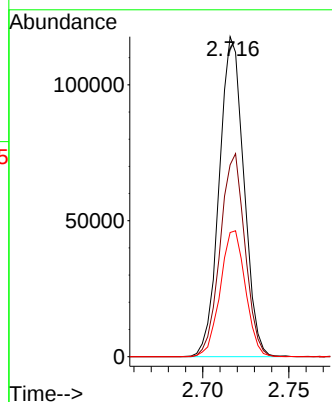
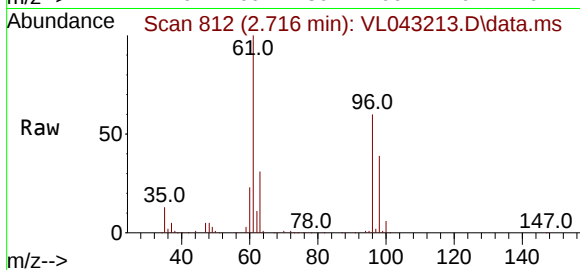
Tgt Ion: 61 Resp: 117110

Ion Ratio Lower Upper

61 100

96 60.0 49.3 73.9

98 38.8 32.1 48.1



#32

1,1,1-Trichloroethane

Concen: 9.560 ppbv

RT: 3.363 min Scan# 1012

Delta R.T. 0.003 min

Lab File: VL043213.D

Acq: 18 Nov 2025 15:24

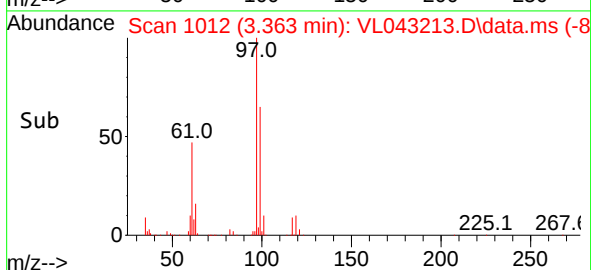
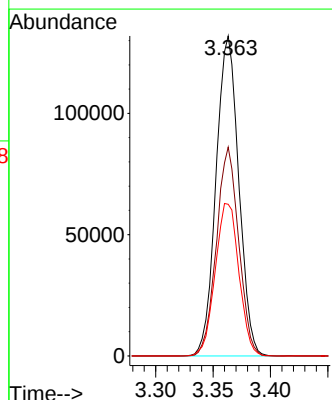
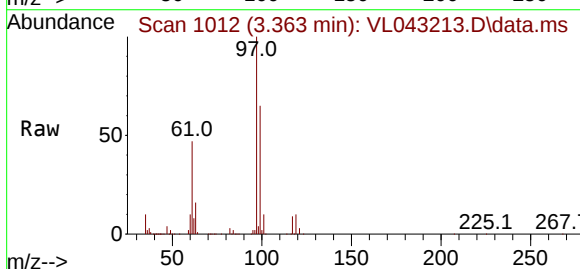
Tgt Ion: 97 Resp: 181566

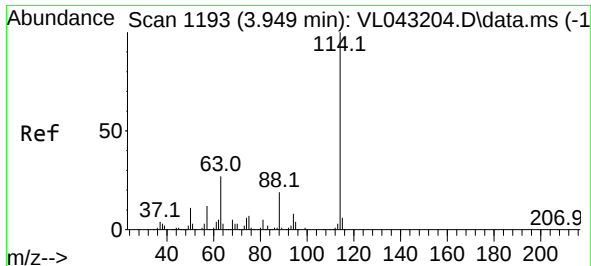
Ion Ratio Lower Upper

97 100

99 63.9 50.3 75.5

61 49.9 38.9 58.3





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.949 min Scan# 1193

Delta R.T. -0.000 min

Lab File: VL043213.D

Acq: 18 Nov 2025 15:24

Instrument :

MSVOA_1

ClientSampleId :

VL1118ABS01

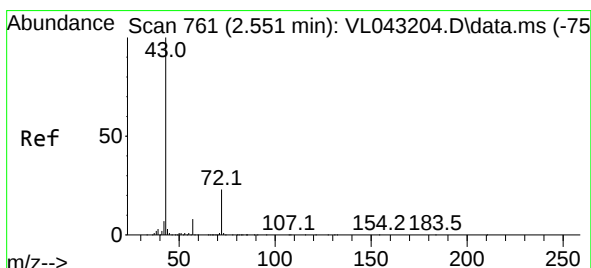
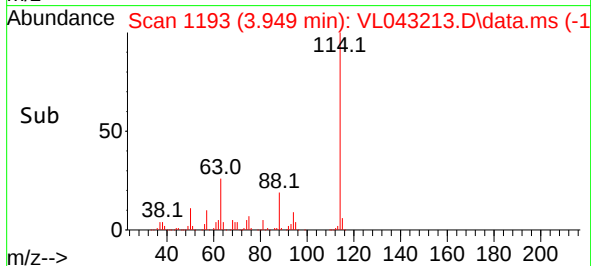
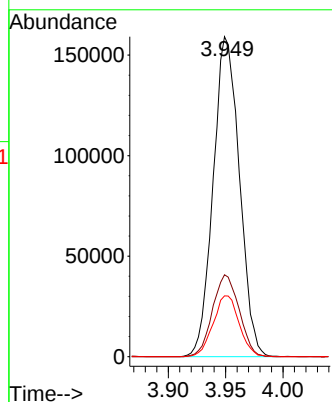
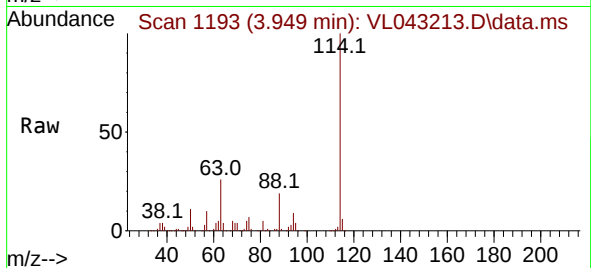
Tgt Ion:114 Resp: 253448

Ion Ratio Lower Upper

114 100

63 25.9 21.0 31.6

88 18.9 14.9 22.3



#34

2-Butanone

Concen: 9.266 ppbv

RT: 2.551 min Scan# 761

Delta R.T. -0.000 min

Lab File: VL043213.D

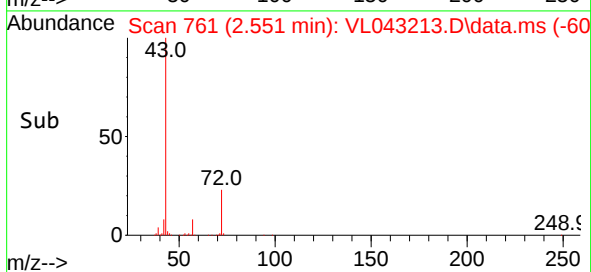
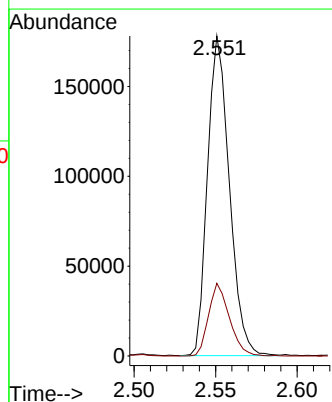
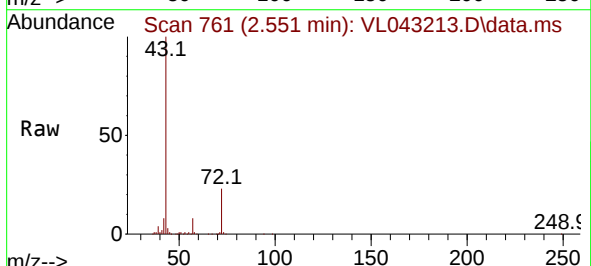
Acq: 18 Nov 2025 15:24

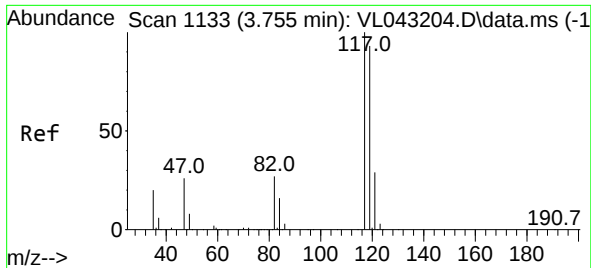
Tgt Ion: 43 Resp: 165780

Ion Ratio Lower Upper

43 100

72 21.7 18.1 27.1

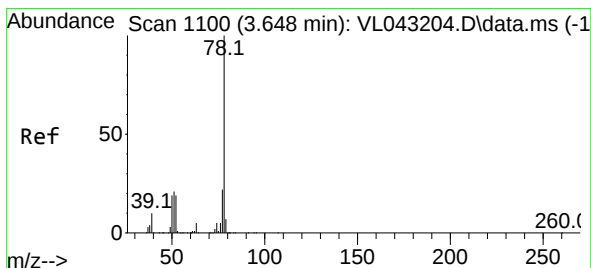
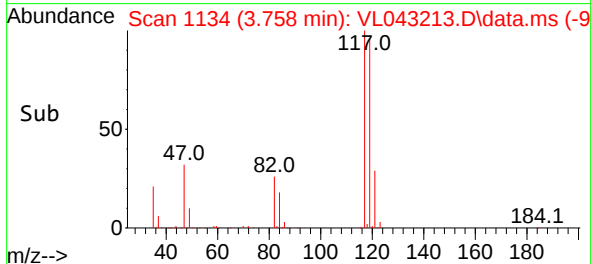
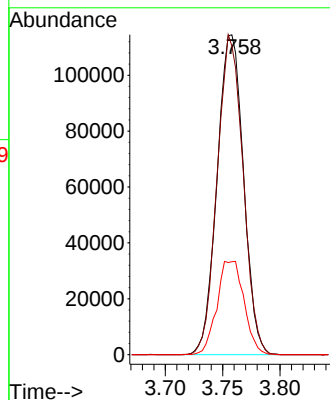
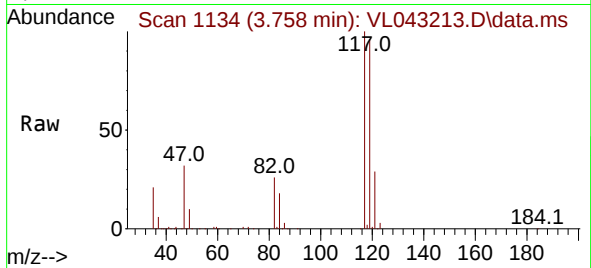




#35
Carbon Tetrachloride
Concen: 9.527 ppbv
RT: 3.758 min Scan# 1133
Delta R.T. 0.003 min
Lab File: VL043213.D
Acq: 18 Nov 2025 15:24

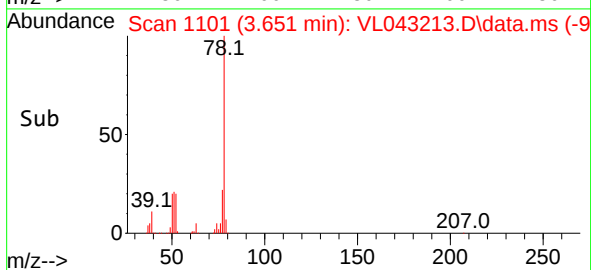
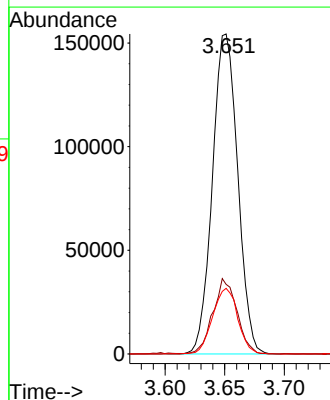
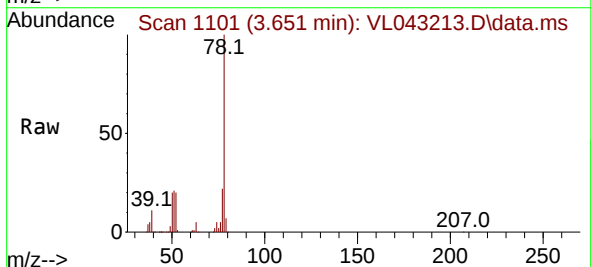
Instrument :
MSVOA_L
ClientSampleId :
VL1118ABS01

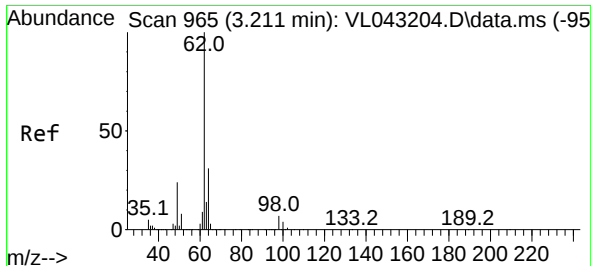
Tgt Ion:117 Resp: 183287
Ion Ratio Lower Upper
117 100
119 96.5 74.6 112.0
121 29.1 23.2 34.8



#36
Benzene
Concen: 9.396 ppbv
RT: 3.651 min Scan# 1101
Delta R.T. 0.003 min
Lab File: VL043213.D
Acq: 18 Nov 2025 15:24

Tgt Ion: 78 Resp: 228070
Ion Ratio Lower Upper
78 100
77 21.8 17.5 26.3
50 20.5 15.5 23.3

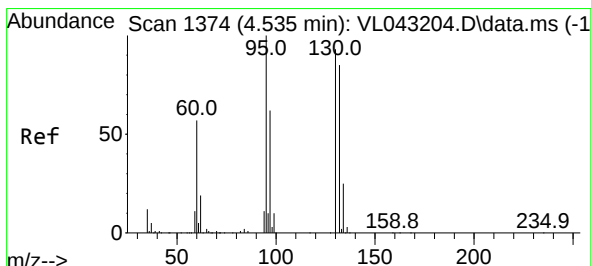
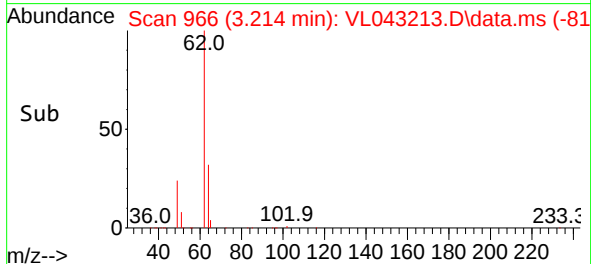
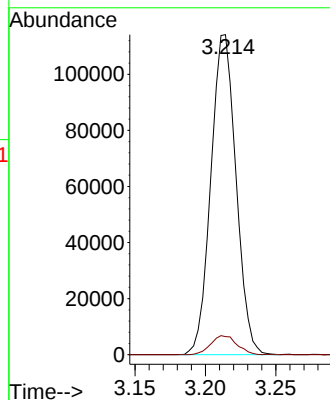
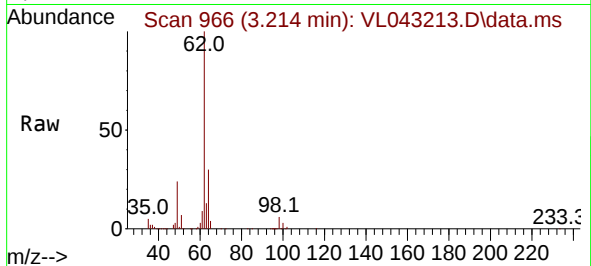




#37
1,2-Dichloroethane
Concen: 10.006 ppbv
RT: 3.214 min Scan# 966
Delta R.T. 0.003 min
Lab File: VL043213.D
Acq: 18 Nov 2025 15:24

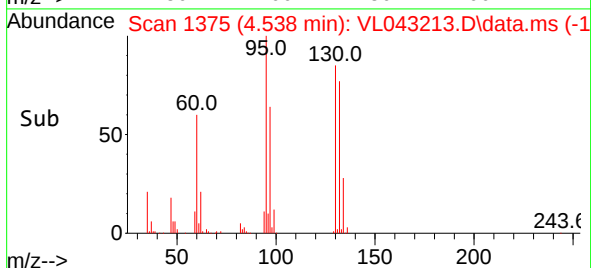
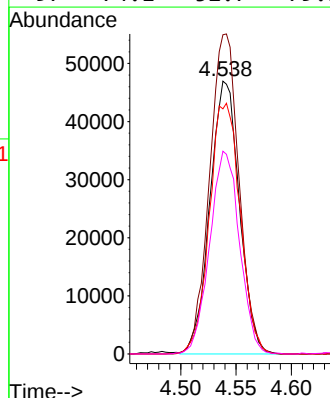
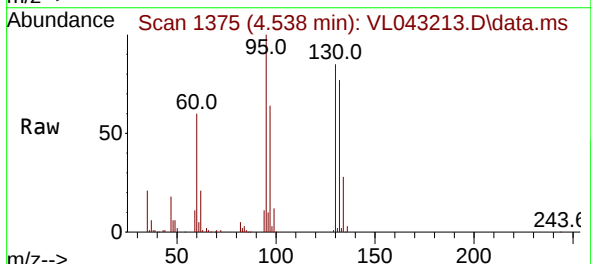
Instrument :
MSVOA_L
ClientSampleId :
VL1118ABS01

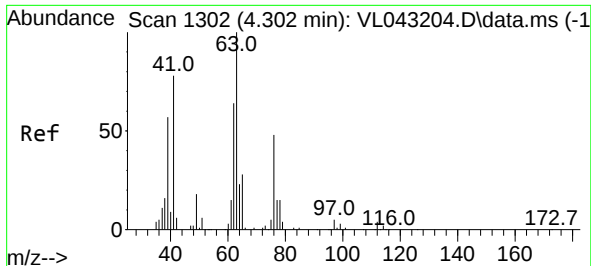
Tgt Ion: 62 Resp: 142060
Ion Ratio Lower Upper
62 100
98 6.2 5.5 8.3



#38
Trichloroethene
Concen: 9.177 ppbv
RT: 4.538 min Scan# 1375
Delta R.T. 0.003 min
Lab File: VL043213.D
Acq: 18 Nov 2025 15:24

Tgt Ion:130 Resp: 87145
Ion Ratio Lower Upper
130 100
95 117.0 85.7 128.5
132 89.7 73.4 110.0
97 74.1 52.7 79.1





#39

1,2-Dichloropropane

Concen: 9.324 ppbv

RT: 4.302 min Scan# 1

Delta R.T. -0.000 min

Lab File: VL043213.D

Acq: 18 Nov 2025 15:24

Instrument :

MSVOA_1

ClientSampleId :

VL1118ABS01

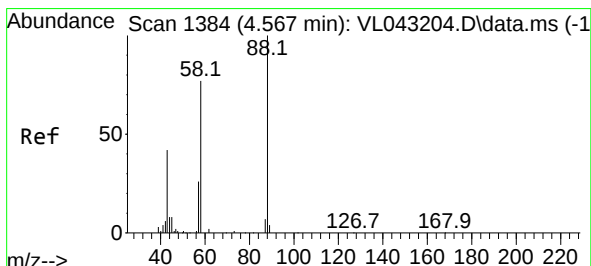
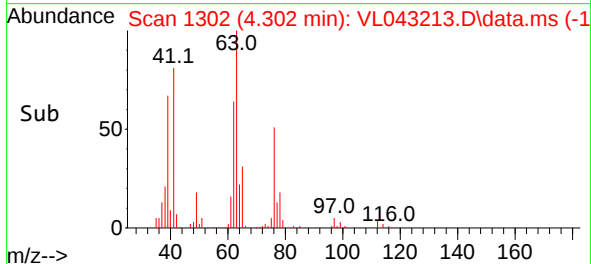
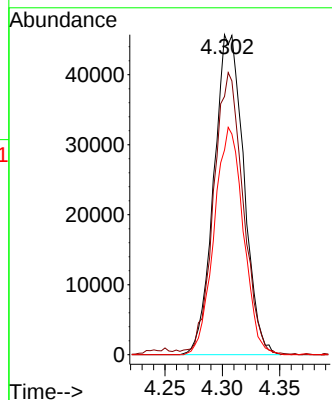
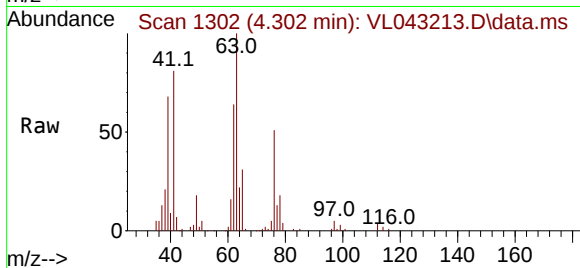
Tgt Ion: 63 Resp: 82832

Ion Ratio Lower Upper

63 100

41 80.1 62.6 93.8

62 64.0 51.0 76.6



#40

1,4-Dioxane

Concen: 9.370 ppbv

RT: 4.567 min Scan# 1384

Delta R.T. -0.000 min

Lab File: VL043213.D

Acq: 18 Nov 2025 15:24

Tgt Ion: 88 Resp: 37417

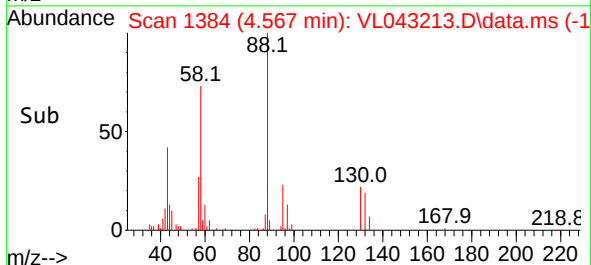
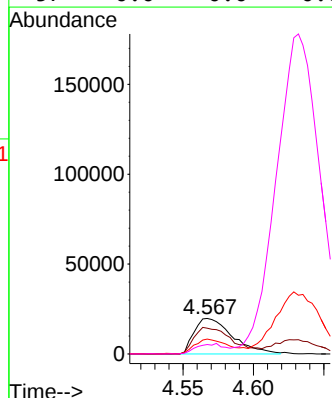
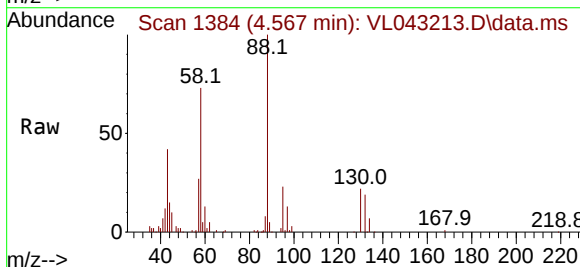
Ion Ratio Lower Upper

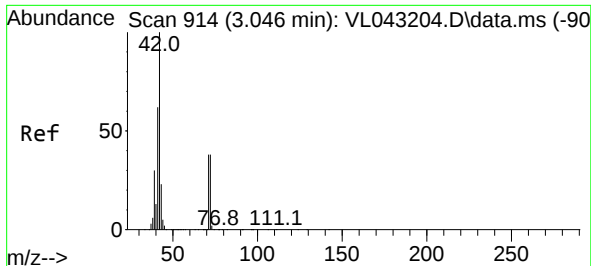
88 100

58 73.6 63.0 94.6

43 37.0 32.5 48.7

57 0.0 0.0 0.0

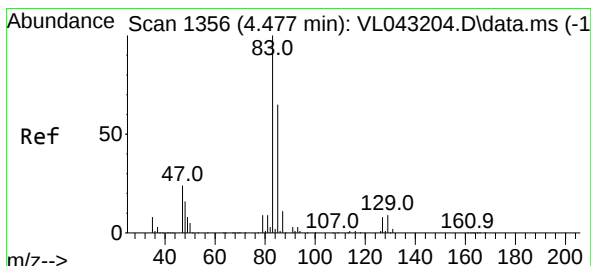
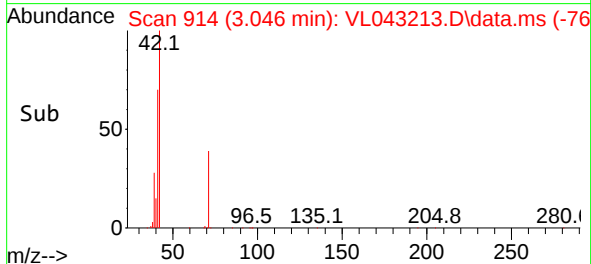
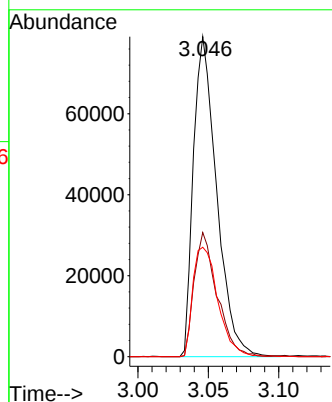
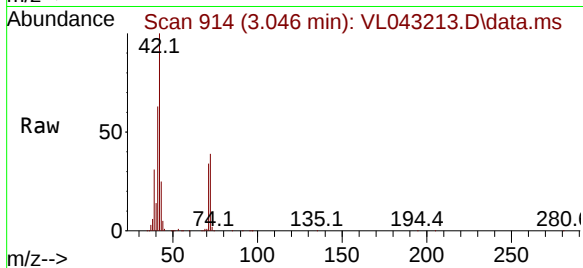




#41
Tetrahydrofuran
Concen: 9.179 ppbv
RT: 3.046 min Scan# 914
Delta R.T. -0.000 min
Lab File: VL043213.D
Acq: 18 Nov 2025 15:24

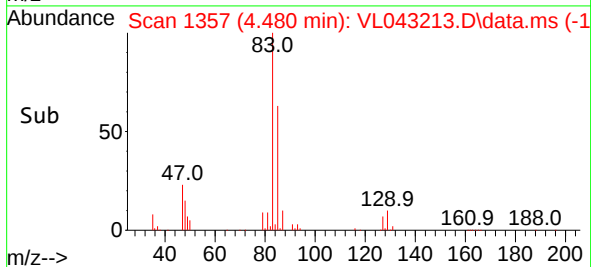
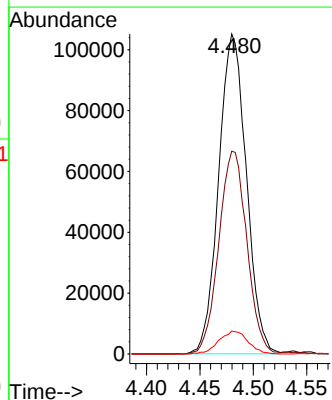
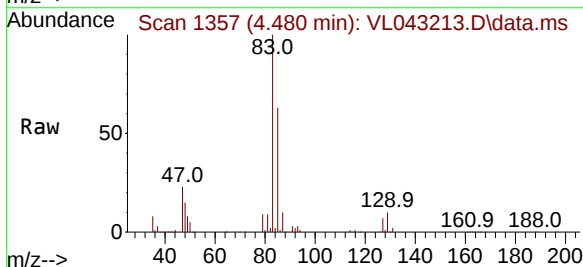
Instrument :
MSVOA_L
ClientSampleId :
VL1118ABS01

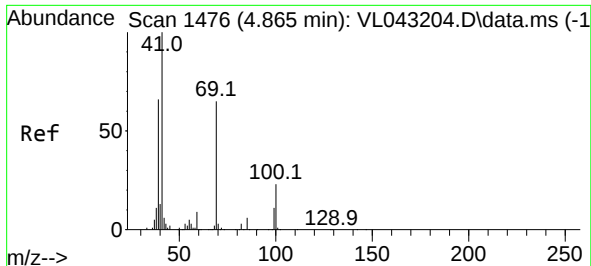
Tgt Ion: 42 Resp: 90689
Ion Ratio Lower Upper
42 100
72 38.4 30.6 46.0
71 36.9 30.5 45.7



#42
Bromodichloromethane
Concen: 9.670 ppbv
RT: 4.480 min Scan# 1357
Delta R.T. 0.003 min
Lab File: VL043213.D
Acq: 18 Nov 2025 15:24

Tgt Ion: 83 Resp: 189395
Ion Ratio Lower Upper
83 100
85 63.4 51.7 77.5
127 7.2 6.3 9.5

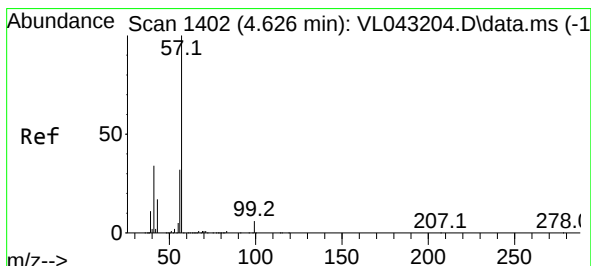
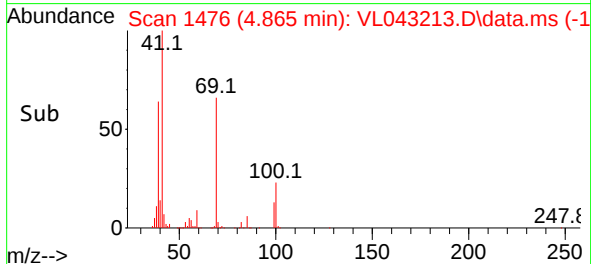
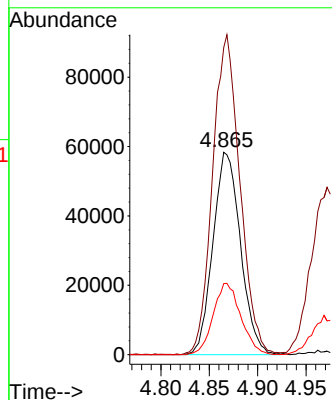
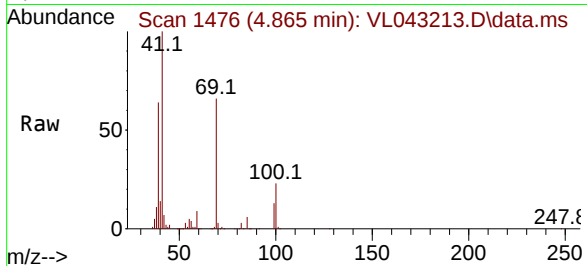




#43
Methyl Methacrylate
Concen: 8.963 ppbv
RT: 4.865 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VL043213.D
Acq: 18 Nov 2025 15:24

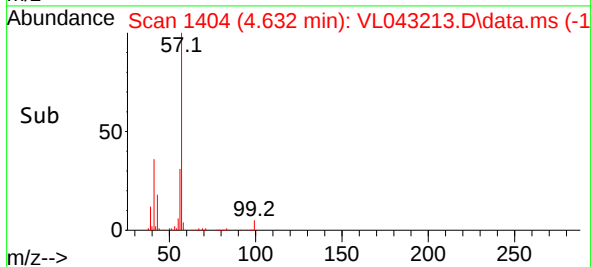
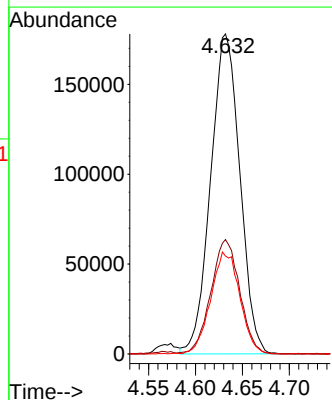
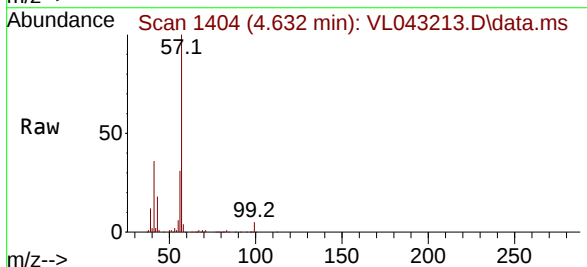
Instrument :
MSVOA_1
ClientSampleId :
VL1118ABS01

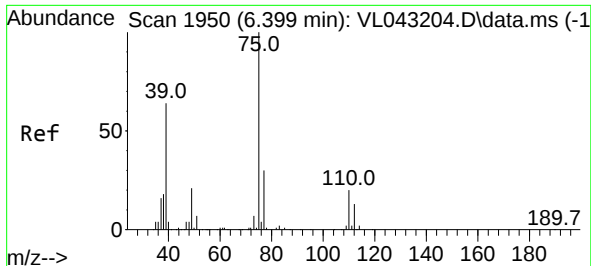
Tgt Ion: 69 Resp: 115470
Ion Ratio Lower Upper
69 100
41 156.8 126.7 190.1
100 35.4 28.6 43.0



#44
2,2,4-Trimethylpentane
Concen: 9.238 ppbv
RT: 4.632 min Scan# 1404
Delta R.T. 0.006 min
Lab File: VL043213.D
Acq: 18 Nov 2025 15:24

Tgt Ion: 57 Resp: 385107
Ion Ratio Lower Upper
57 100
41 35.9 28.0 42.0
56 31.8 25.6 38.4





#45

t-1,3-Dichloropropene

Concen: 9.406 ppbv

RT: 6.399 min Scan# 1950

Delta R.T. -0.000 min

Lab File: VL043213.D

Acq: 18 Nov 2025 15:24

Instrument :

MSVOA_L

ClientSampleId :

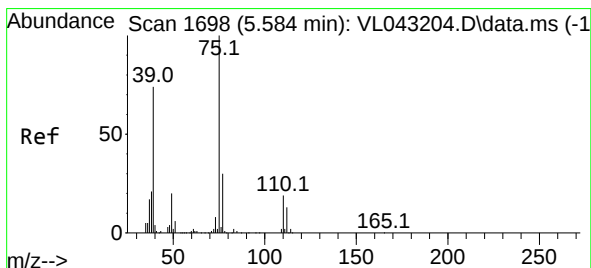
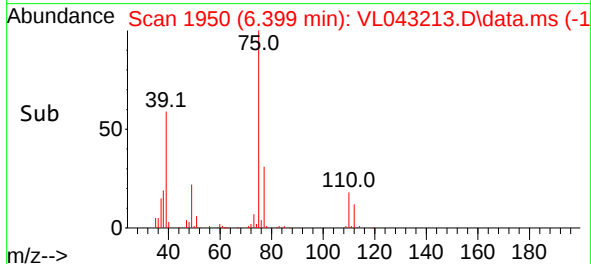
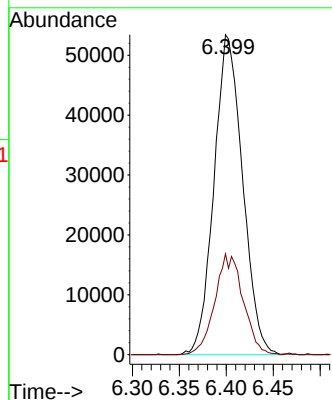
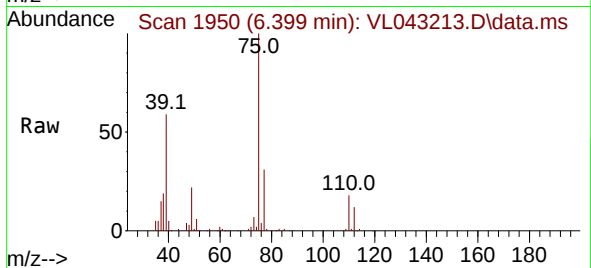
VL1118ABS01

Tgt Ion: 75 Resp: 112967

Ion Ratio Lower Upper

75 100

77 31.5 24.3 36.5



#46

cis-1,3-Dichloropropene

Concen: 9.255 ppbv

RT: 5.587 min Scan# 1699

Delta R.T. 0.003 min

Lab File: VL043213.D

Acq: 18 Nov 2025 15:24

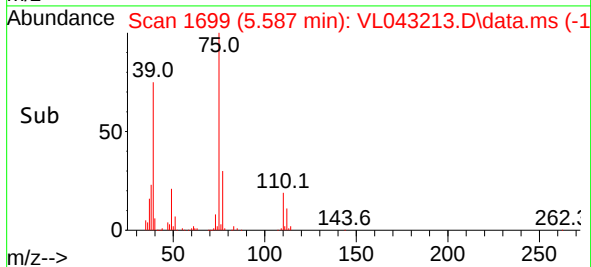
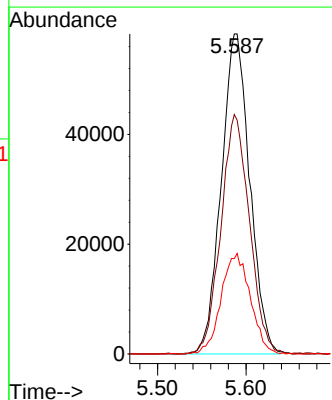
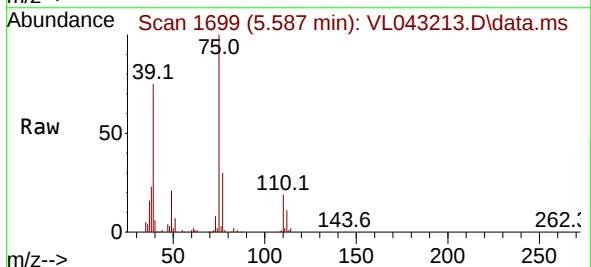
Tgt Ion: 75 Resp: 130518

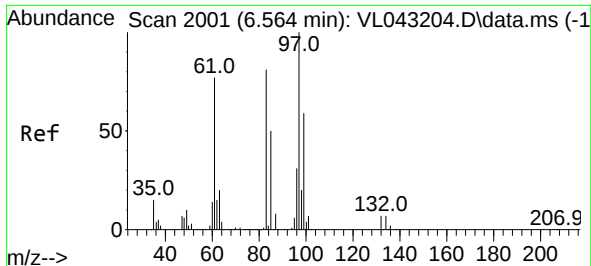
Ion Ratio Lower Upper

75 100

39 74.8 59.1 88.7

77 29.8 24.2 36.2

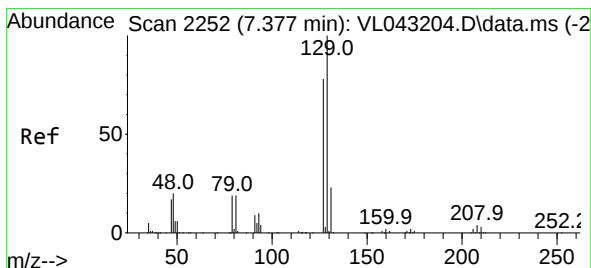
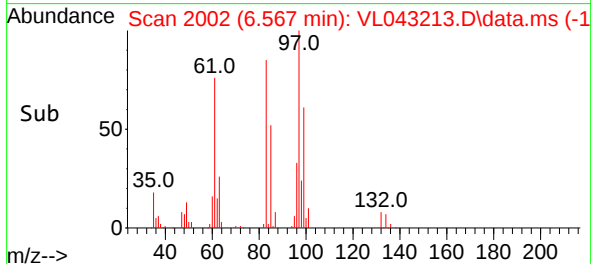
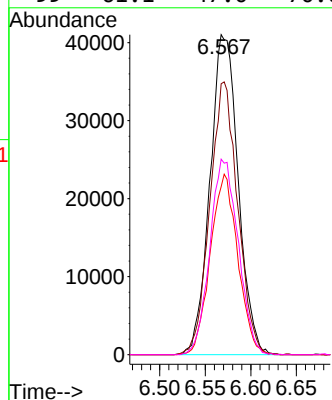
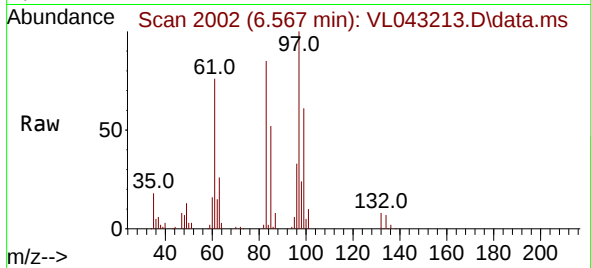




#47
1,1,2-Trichloroethane
Concen: 9.375 ppbv
RT: 6.567 min Scan# 2001
Delta R.T. 0.003 min
Lab File: VL043213.D
Acq: 18 Nov 2025 15:24

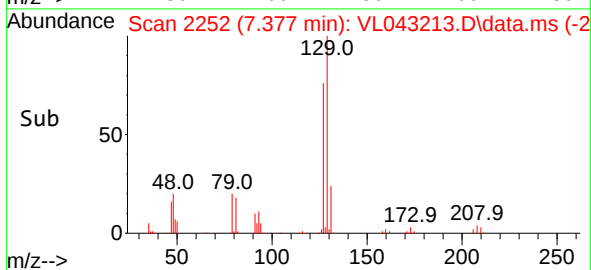
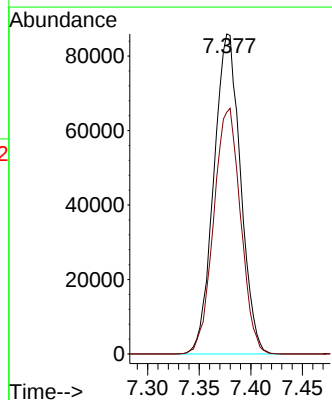
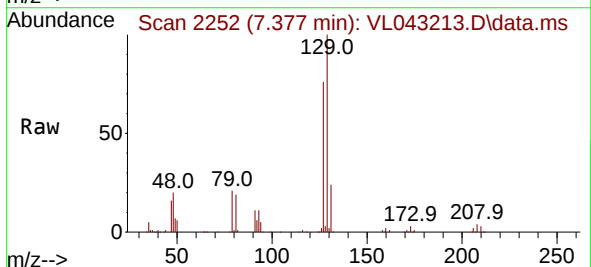
Instrument :
MSVOA_1
ClientSampleId :
VL1118ABS01

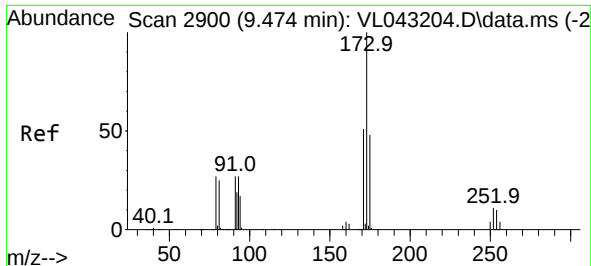
Tgt Ion:	97	Resp:	88389
Ion	Ratio	Lower	Upper
97	100		
83	84.7	64.6	97.0
85	52.5	39.4	59.2
99	61.1	47.0	70.6



#48
Dibromochloromethane
Concen: 9.552 ppbv
RT: 7.377 min Scan# 2252
Delta R.T. -0.000 min
Lab File: VL043213.D
Acq: 18 Nov 2025 15:24

Tgt Ion:	129	Resp:	154832
Ion	Ratio	Lower	Upper
129	100		
127	77.4	39.3	117.9





#49

Bromoform

Concen: 9.377 ppbv

RT: 9.474 min Scan# 2900

Delta R.T. -0.000 min

Lab File: VL043213.D

Acq: 18 Nov 2025 15:24

Instrument :

MSVOA_L

ClientSampleId :

VL1118ABS01

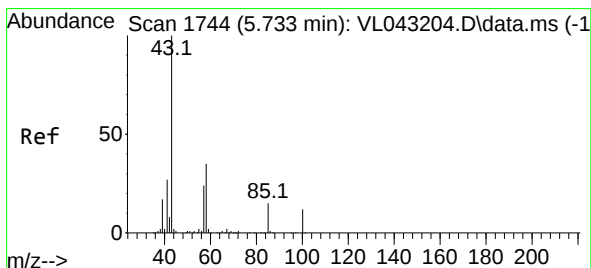
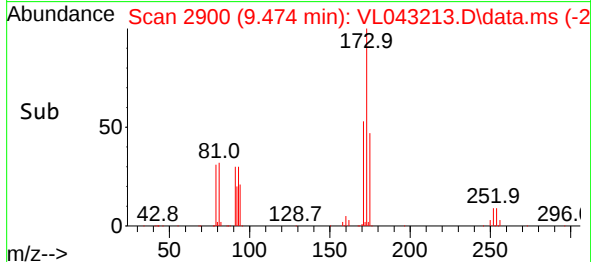
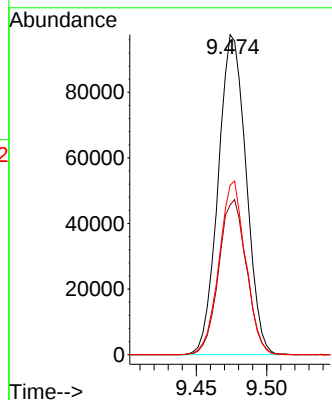
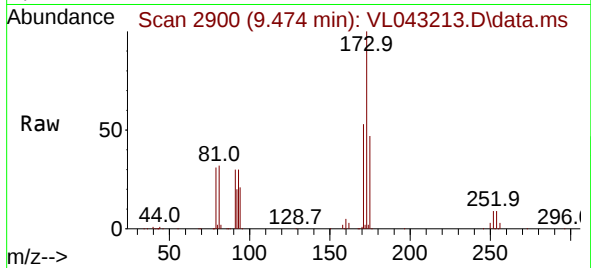
Tgt Ion:173 Resp: 134624

Ion Ratio Lower Upper

173 100

175 48.3 38.6 58.0

171 51.7 40.6 61.0



#50

4-Methyl-2-Pentanone

Concen: 9.034 ppbv

RT: 5.732 min Scan# 1744

Delta R.T. -0.000 min

Lab File: VL043213.D

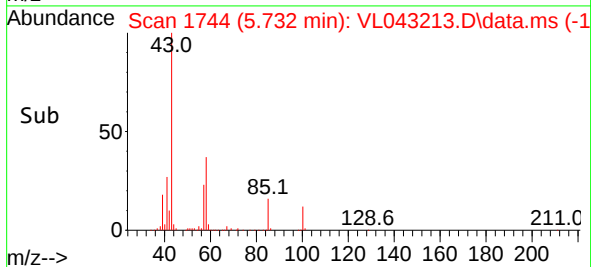
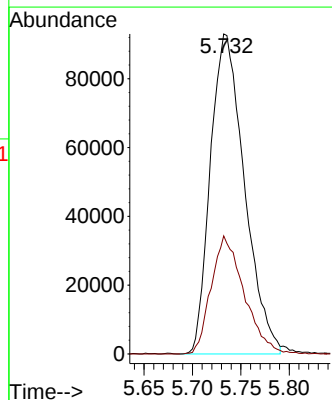
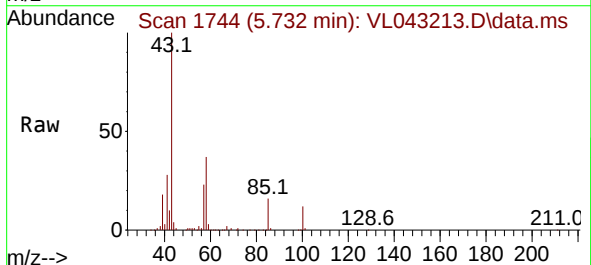
Acq: 18 Nov 2025 15:24

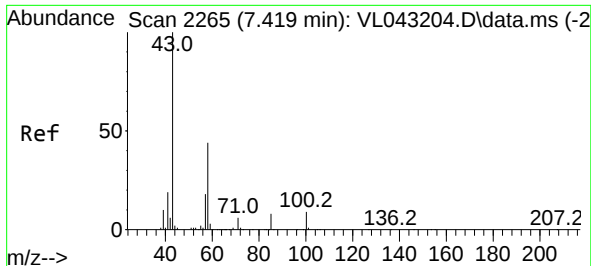
Tgt Ion: 43 Resp: 227676

Ion Ratio Lower Upper

43 100

58 35.7 28.4 42.6

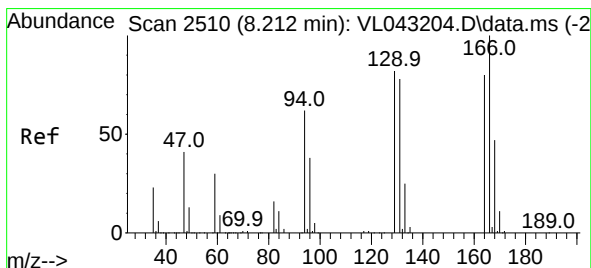
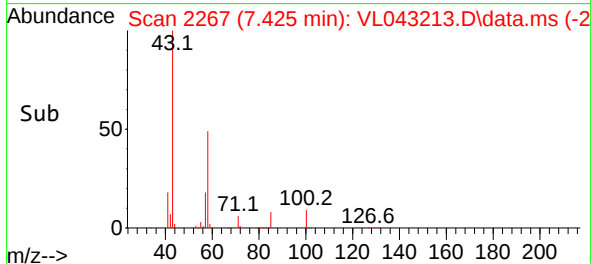
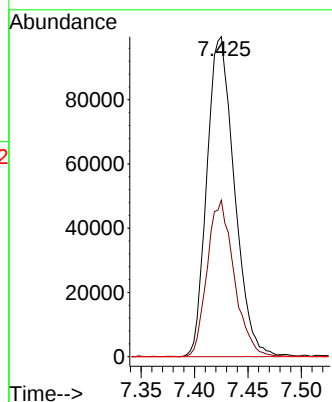
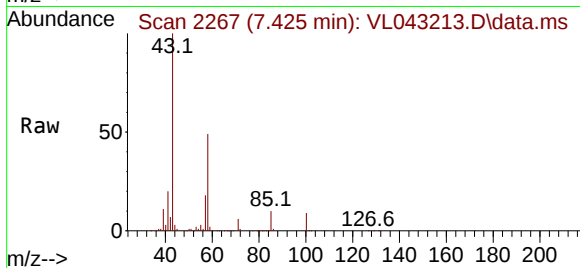




#51
2-Hexanone
Concen: 9.130 ppbv
RT: 7.425 min Scan# 211
Delta R.T. 0.006 min
Lab File: VL043213.D
Acq: 18 Nov 2025 15:24

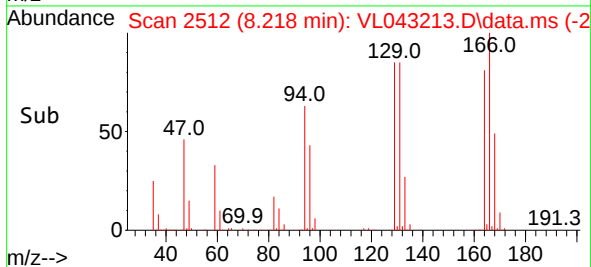
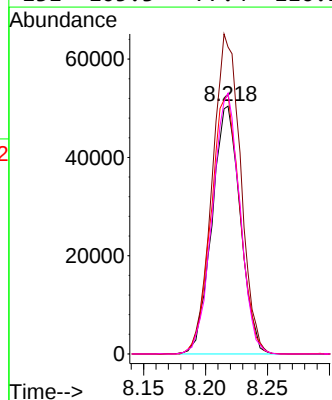
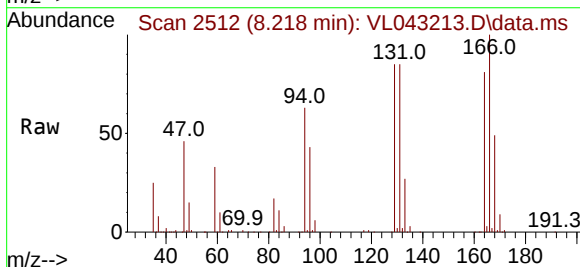
Instrument :
MSVOA_L
ClientSampleId :
VL1118ABS01

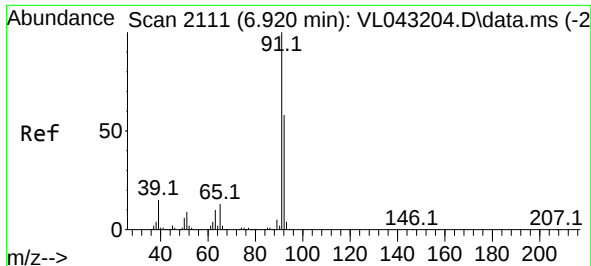
Tgt Ion: 43 Resp: 178681
Ion Ratio Lower Upper
43 100
58 47.9 38.4 57.6
98 0.0 0.0 0.0#



#52
Tetrachloroethene
Concen: 8.865 ppbv
RT: 8.218 min Scan# 2512
Delta R.T. 0.006 min
Lab File: VL043213.D
Acq: 18 Nov 2025 15:24

Tgt Ion: 164 Resp: 80037
Ion Ratio Lower Upper
164 100
166 123.7 99.4 149.2
129 104.9 81.8 122.8
131 105.3 77.4 116.2

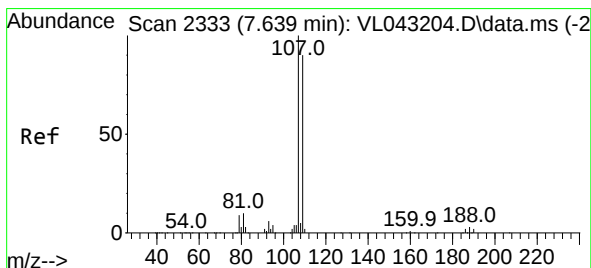
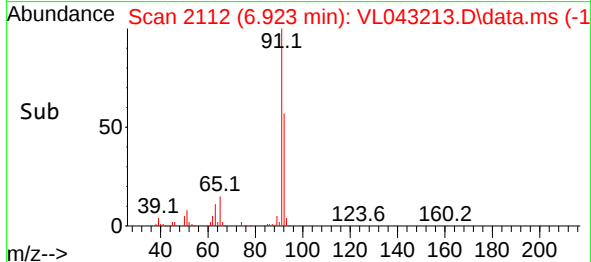
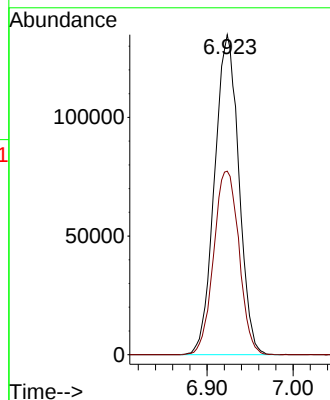
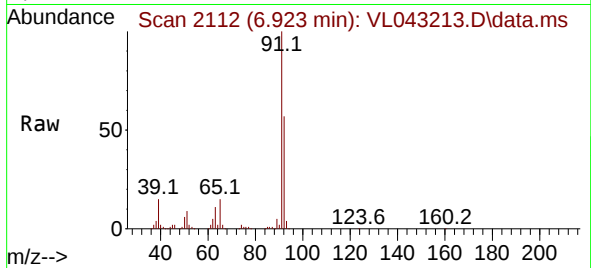




#53
Toluene
Concen: 9.199 ppbv
RT: 6.923 min Scan# 2111
Delta R.T. 0.003 min
Lab File: VL043213.D
Acq: 18 Nov 2025 15:24

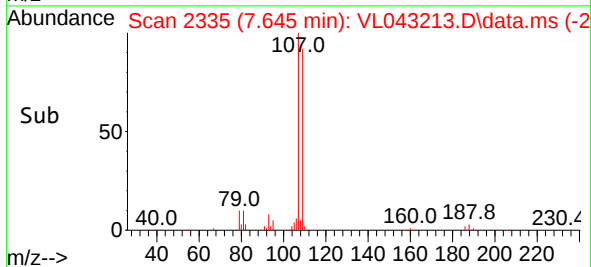
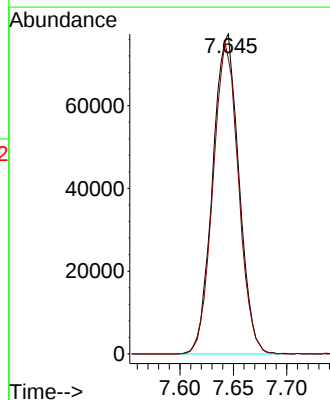
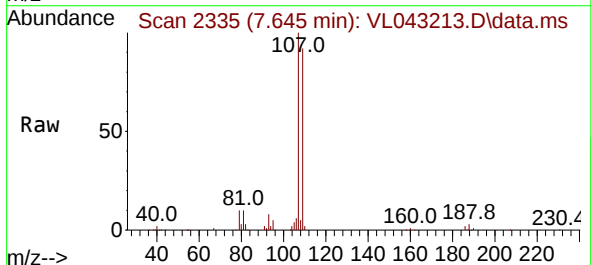
Instrument :
MSVOA_L
ClientSampleId :
VL1118ABS01

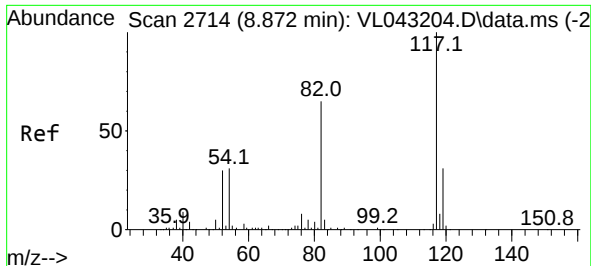
Tgt Ion: 91 Resp: 264384
Ion Ratio Lower Upper
91 100
92 59.8 47.4 71.0



#54
1,2-Dibromoethane
Concen: 9.526 ppbv
RT: 7.645 min Scan# 2335
Delta R.T. 0.006 min
Lab File: VL043213.D
Acq: 18 Nov 2025 15:24

Tgt Ion: 107 Resp: 132155
Ion Ratio Lower Upper
107 100
109 92.2 72.1 108.1

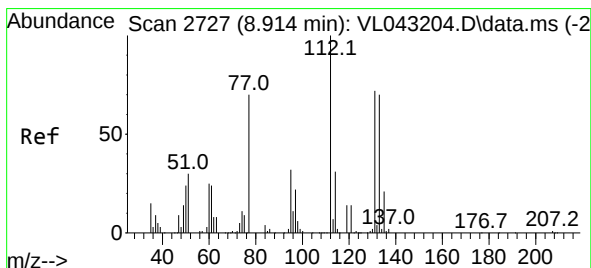
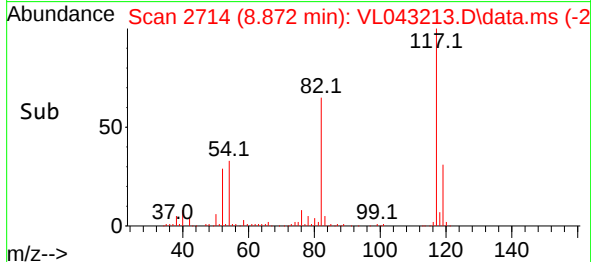
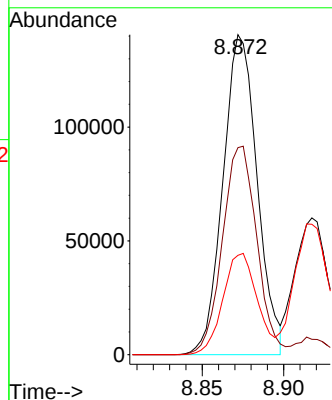
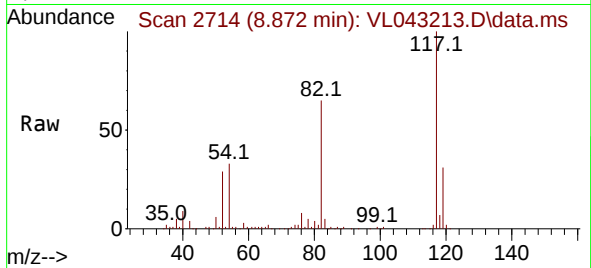




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.872 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL043213.D
Acq: 18 Nov 2025 15:24

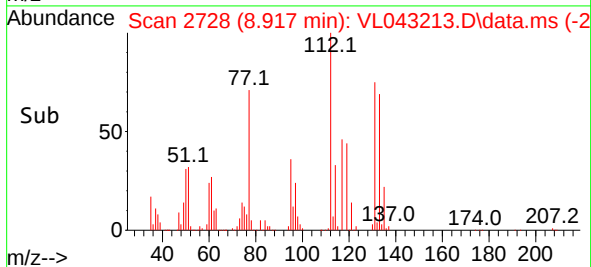
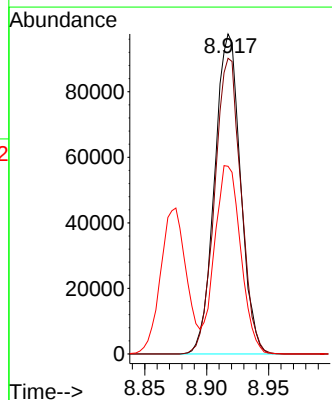
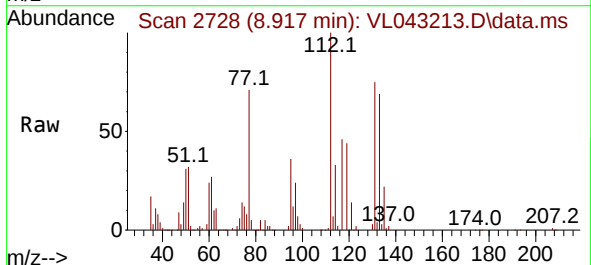
Instrument :
MSVOA_L
ClientSampleId :
VL1118ABS01

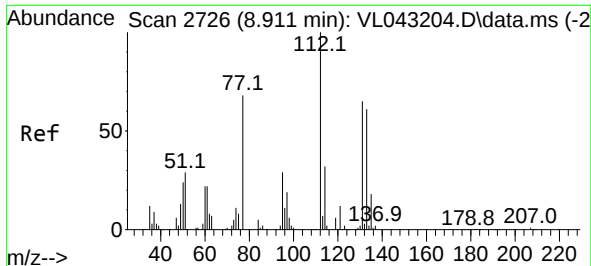
Tgt Ion:117 Resp: 205104
Ion Ratio Lower Upper
117 100
82 70.3 56.1 84.1
119 31.8 25.0 37.6



#56
1,1,1,2-Tetrachloroethane
Concen: 9.432 ppbv
RT: 8.917 min Scan# 2728
Delta R.T. 0.003 min
Lab File: VL043213.D
Acq: 18 Nov 2025 15:24

Tgt Ion:131 Resp: 142171
Ion Ratio Lower Upper
131 100
133 93.9 77.4 116.2
119 60.7 49.1 73.7

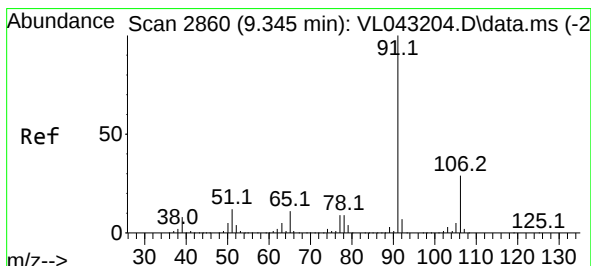
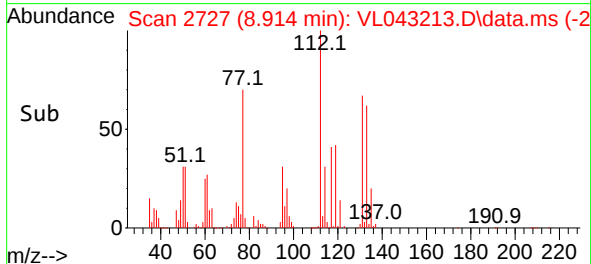
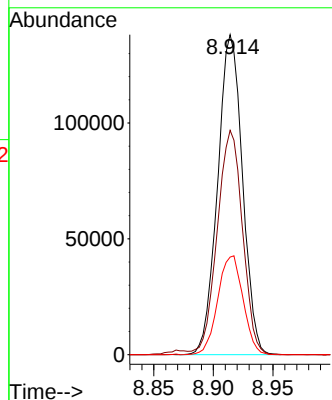
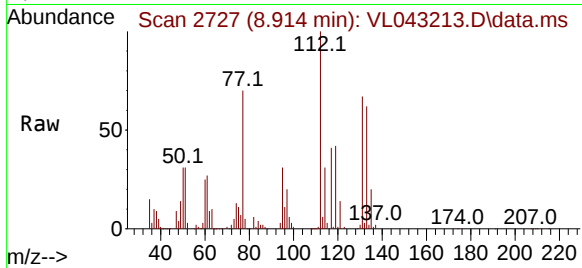




#57
Chlorobenzene
Concen: 9.505 ppbv
RT: 8.914 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL043213.D
Acq: 18 Nov 2025 15:24

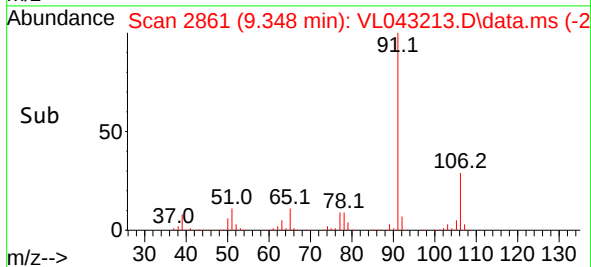
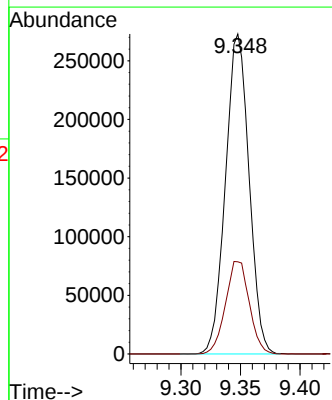
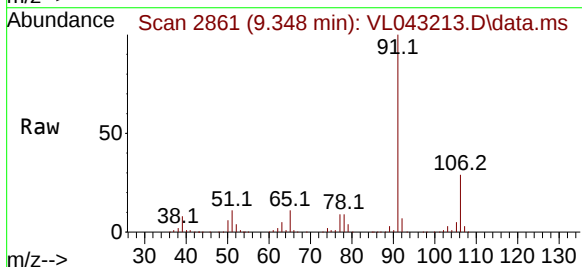
Instrument :
MSVOA_1
ClientSampleId :
VL1118ABS01

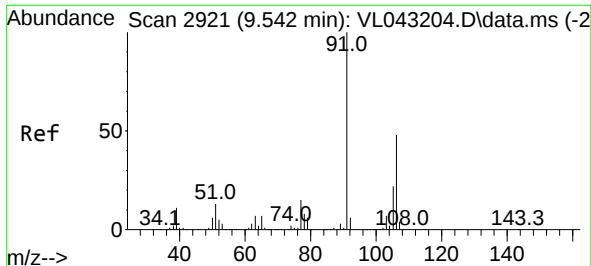
Tgt Ion:112 Resp: 200166
Ion Ratio Lower Upper
112 100
77 70.0 55.5 83.3
114 30.5 29.1 35.5



#58
Ethyl Benzene
Concen: 9.500 ppbv
RT: 9.348 min Scan# 2861
Delta R.T. 0.003 min
Lab File: VL043213.D
Acq: 18 Nov 2025 15:24

Tgt Ion: 91 Resp: 375021
Ion Ratio Lower Upper
91 100
106 28.8 22.8 34.2





#59

m/p-Xylene

Concen: 8.526 ppbv

RT: 9.545 min Scan# 2921

Delta R.T. 0.003 min

Lab File: VL043213.D

Acq: 18 Nov 2025 15:24

Instrument :

MSVOA_1

ClientSampleId :

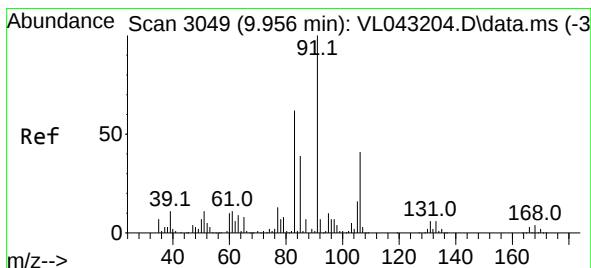
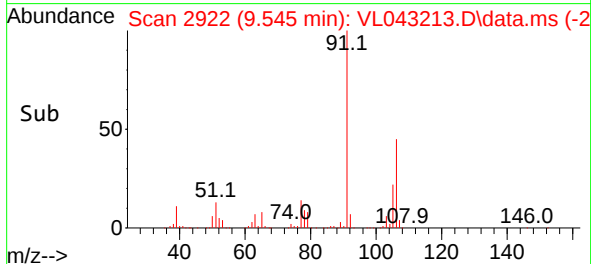
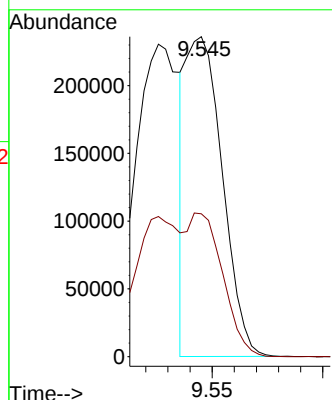
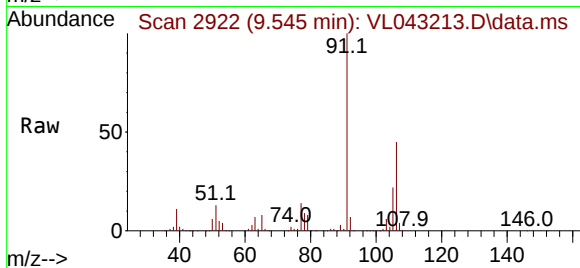
VL1118ABS01

Tgt Ion: 91 Resp: 269855

Ion Ratio Lower Upper

91 100

106 98.6 36.1 54.1#



#60

o-Xylene

Concen: 9.293 ppbv

RT: 9.956 min Scan# 3049

Delta R.T. -0.000 min

Lab File: VL043213.D

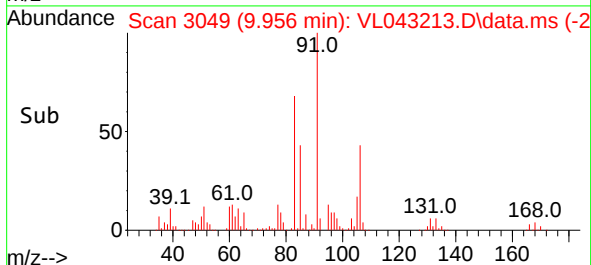
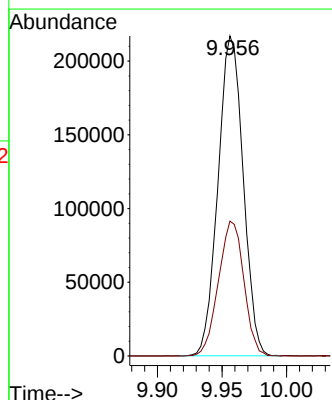
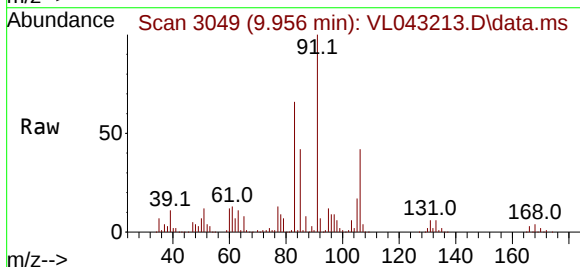
Acq: 18 Nov 2025 15:24

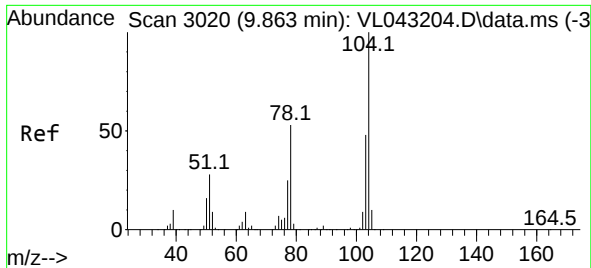
Tgt Ion: 91 Resp: 293838

Ion Ratio Lower Upper

91 100

106 42.4 20.9 62.8





#61

Styrene

Concen: 9.478 ppbv

RT: 9.862 min Scan# 3020

Delta R.T. -0.000 min

Lab File: VL043213.D

Acq: 18 Nov 2025 15:24

Instrument :

MSVOA_1

ClientSampleId :

VL1118ABS01

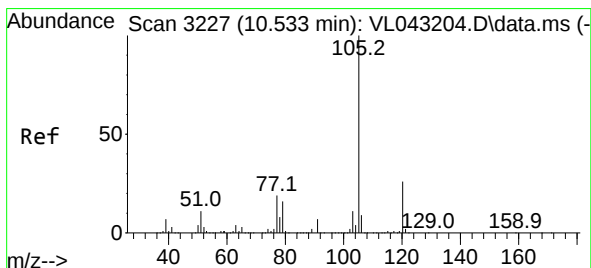
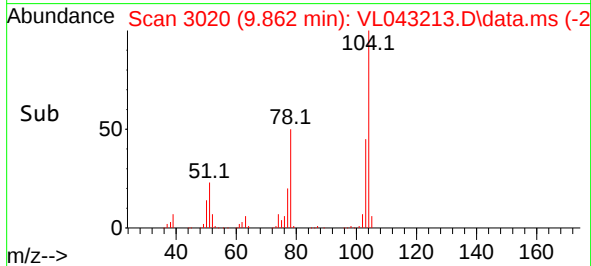
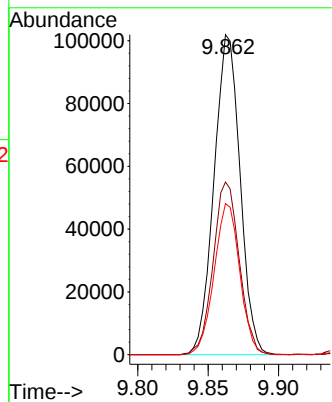
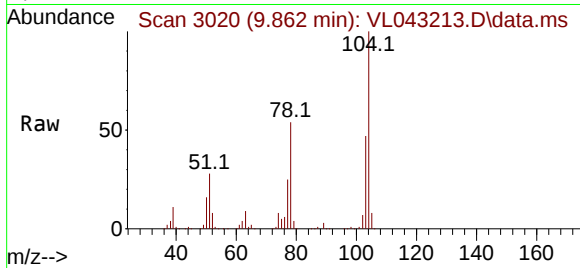
Tgt Ion:104 Resp: 131154

Ion Ratio Lower Upper

104 100

78 54.1 42.1 63.1

103 46.6 37.2 55.8



#62

Isopropylbenzene

Concen: 9.410 ppbv

RT: 10.532 min Scan# 3227

Delta R.T. -0.000 min

Lab File: VL043213.D

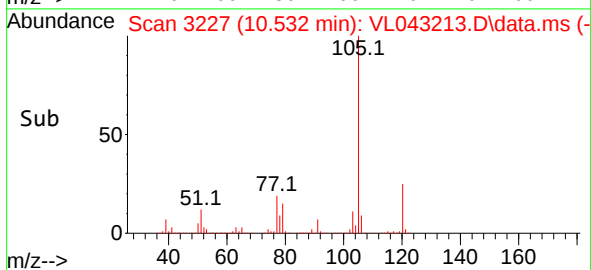
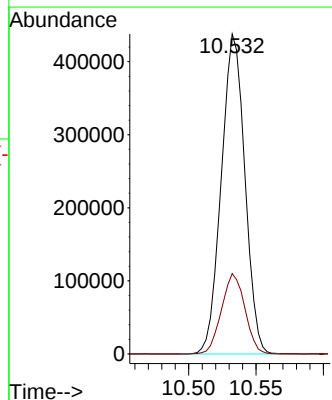
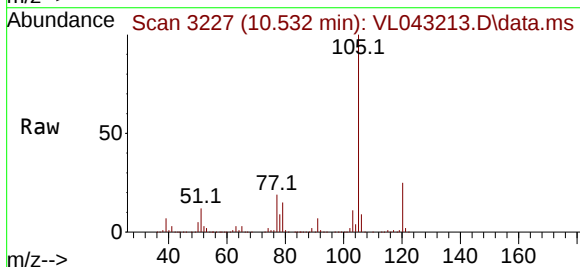
Acq: 18 Nov 2025 15:24

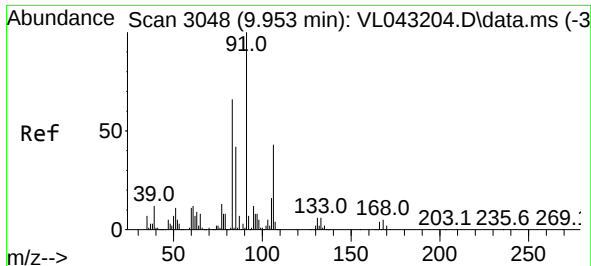
Tgt Ion:105 Resp: 532270

Ion Ratio Lower Upper

105 100

120 24.9 19.8 29.8

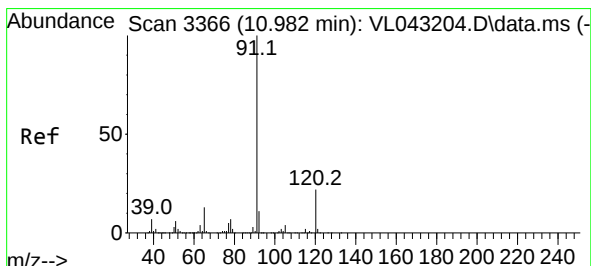
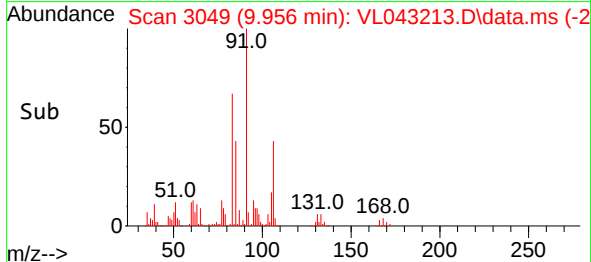
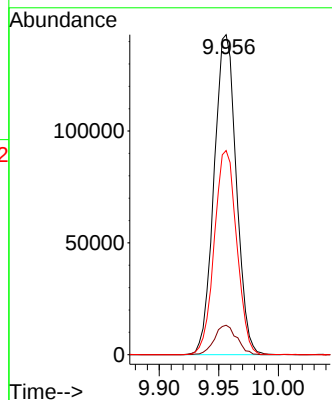
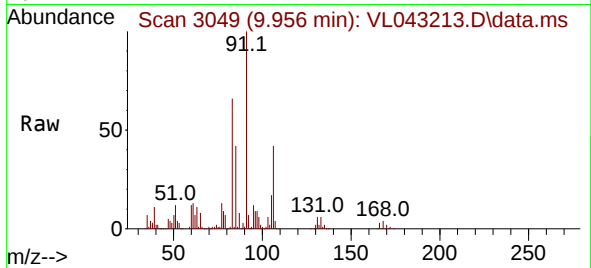




#63
1,1,2,2-Tetrachloroethane
Concen: 9.213 ppbv
RT: 9.956 min Scan# 3048
Delta R.T. 0.003 min
Lab File: VL043213.D
Acq: 18 Nov 2025 15:24

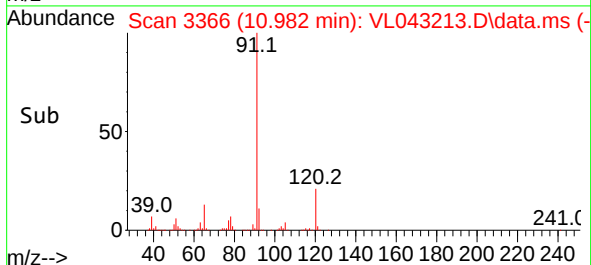
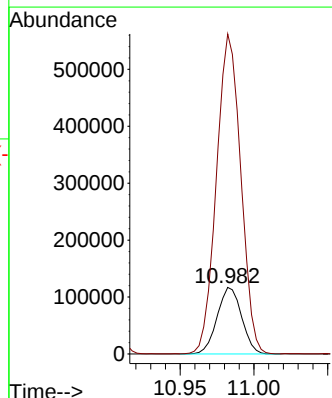
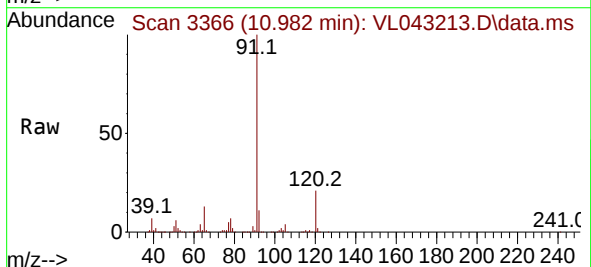
Instrument :
MSVOA_1
ClientSampleId :
VL1118ABS01

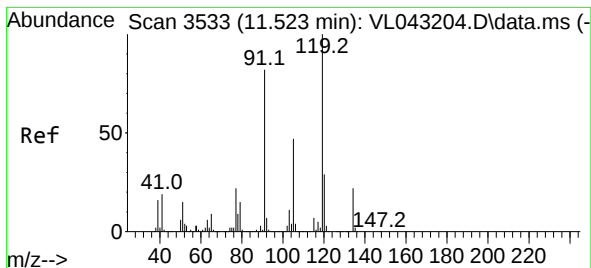
Tgt Ion: 83 Resp: 185351
Ion Ratio Lower Upper
83 100
131 9.3 4.8 14.3
85 64.4 31.9 95.9



#64
n-propylbenzene
Concen: 9.261 ppbv
RT: 10.982 min Scan# 3366
Delta R.T. -0.000 min
Lab File: VL043213.D
Acq: 18 Nov 2025 15:24

Tgt Ion: 120 Resp: 134605
Ion Ratio Lower Upper
120 100
91 481.1 377.1 565.7





#65

tert-Butylbenzene

Concen: 9.071 ppbv

RT: 11.526 min Scan# 3533

Delta R.T. 0.003 min

Lab File: VL043213.D

Acq: 18 Nov 2025 15:24

Instrument :

MSVOA_1

ClientSampleId :

VL1118ABS01

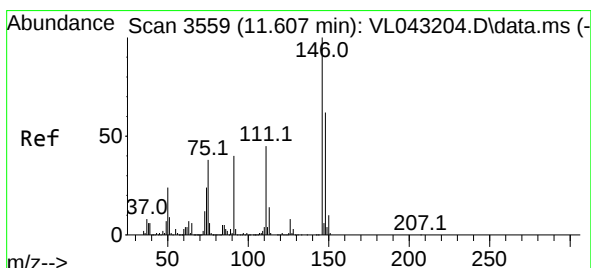
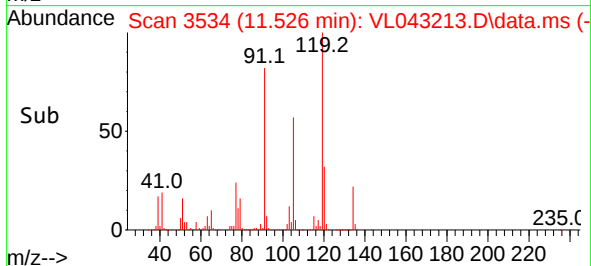
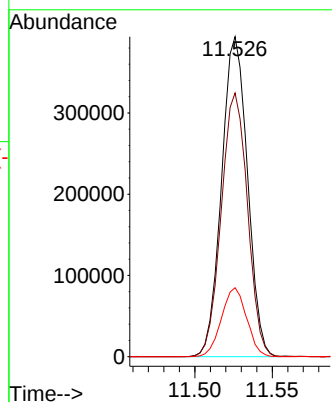
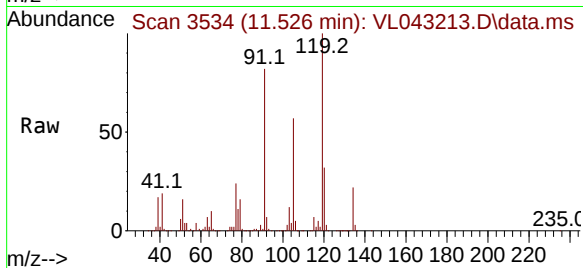
Tgt Ion:119 Resp: 458253

Ion Ratio Lower Upper

119 100

91 83.4 65.3 97.9

134 20.9 17.0 25.4



#66

Benzyl Chloride

Concen: 8.505 ppbv

RT: 11.610 min Scan# 3560

Delta R.T. 0.003 min

Lab File: VL043213.D

Acq: 18 Nov 2025 15:24

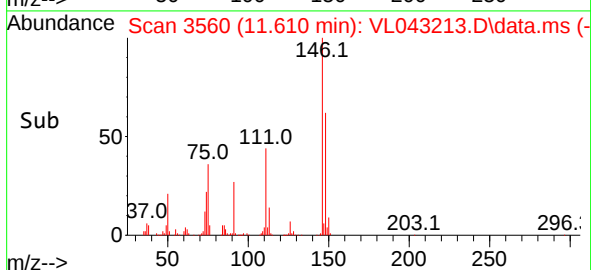
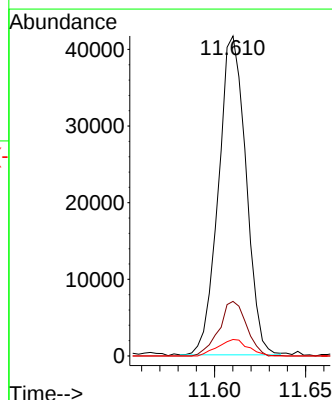
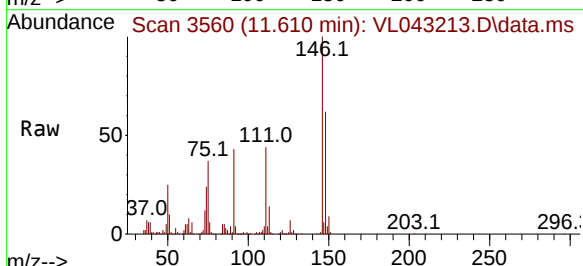
Tgt Ion: 91 Resp: 43604

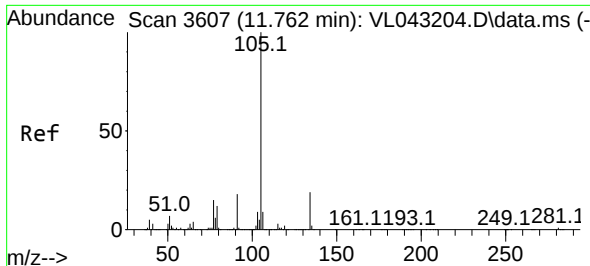
Ion Ratio Lower Upper

91 100

126 17.1 14.4 21.6

128 5.7 4.6 6.8





#67

sec-Butylbenzene

Concen: 9.120 ppbv

RT: 11.762 min Scan# 3607

Delta R.T. -0.000 min

Lab File: VL043213.D

Acq: 18 Nov 2025 15:24

Instrument :

MSVOA_1

ClientSampleId :

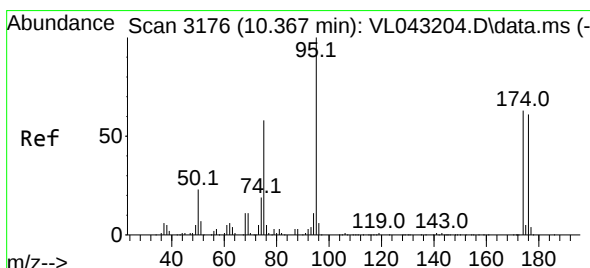
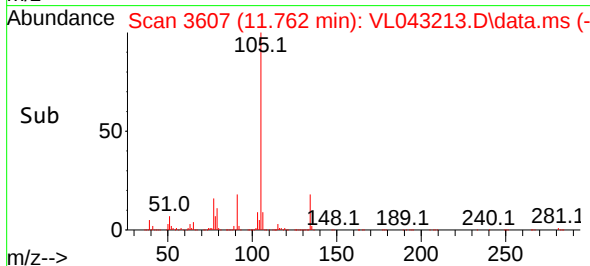
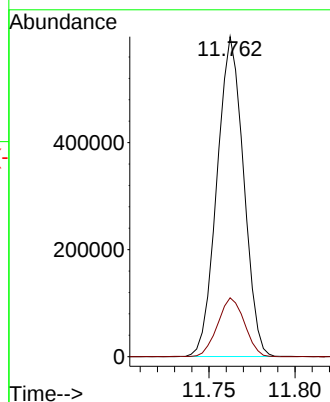
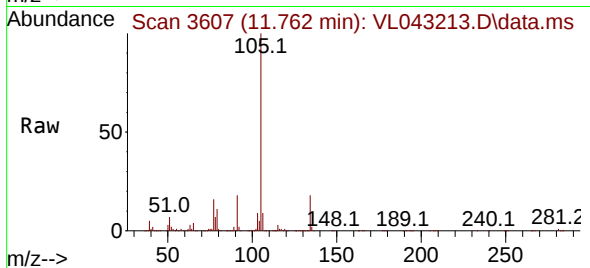
VL1118ABS01

Tgt Ion:105 Resp: 643089

Ion Ratio Lower Upper

105 100

134 18.6 15.0 22.6



#68

1-Bromo-4-Fluorobenzene

Concen: 10.312 ppbv

RT: 10.370 min Scan# 3177

Delta R.T. 0.003 min

Lab File: VL043213.D

Acq: 18 Nov 2025 15:24

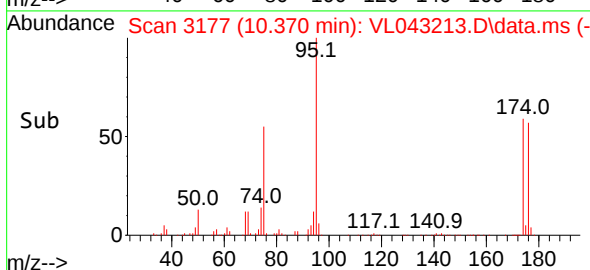
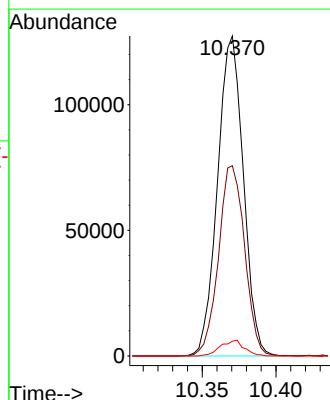
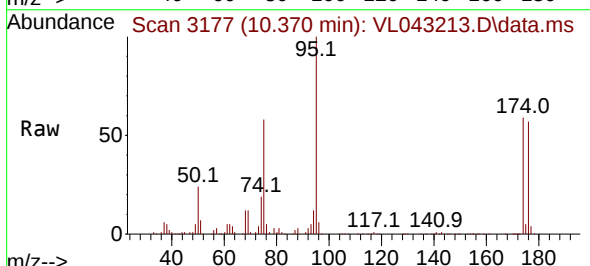
Tgt Ion: 95 Resp: 155032

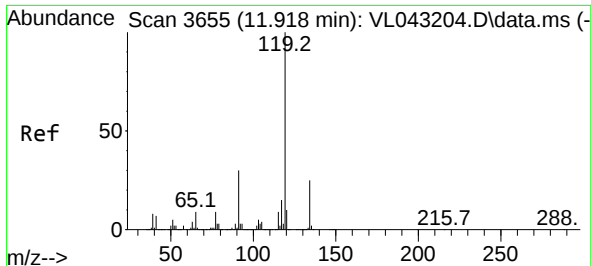
Ion Ratio Lower Upper

95 100

174 60.2 50.2 75.2

175 4.5 4.1 6.1

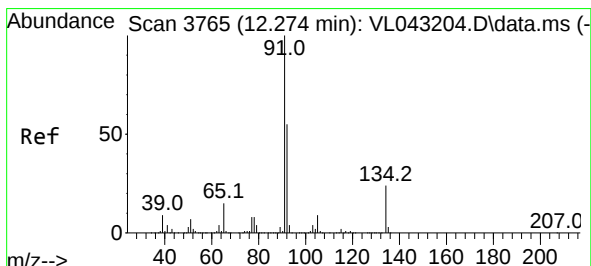
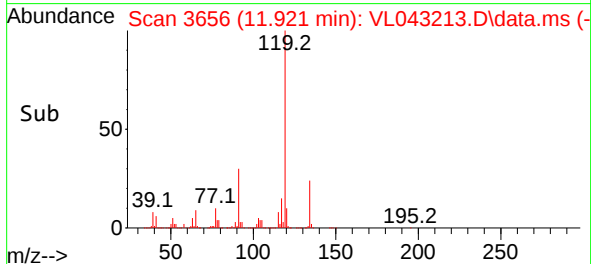
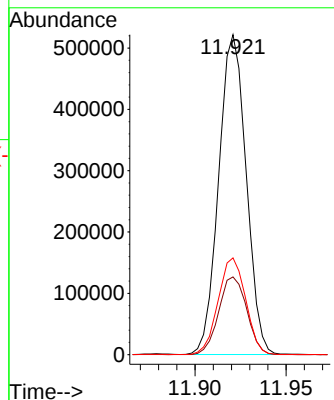
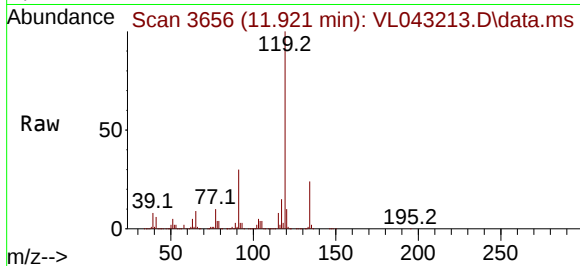




#69
 p-Isopropyltoluene
 Concen: 9.151 ppbv
 RT: 11.921 min Scan# 3656
 Delta R.T. 0.003 min
 Lab File: VL043213.D
 Acq: 18 Nov 2025 15:24

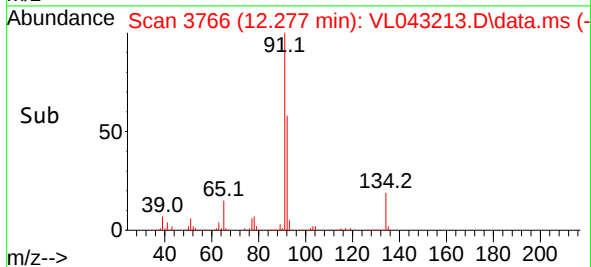
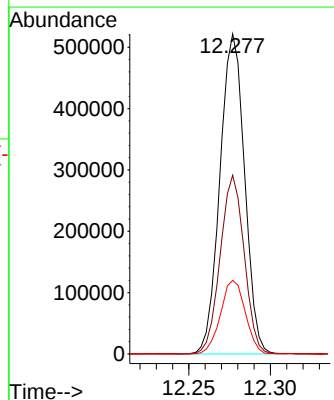
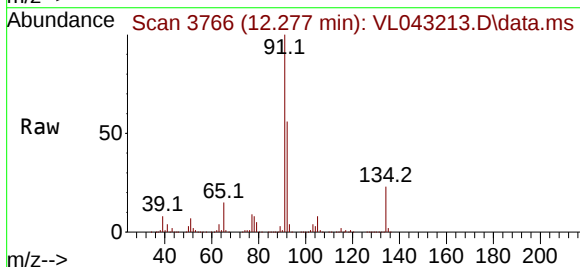
Instrument :
 MSVOA_1
 ClientSampleId :
 VL1118ABS01

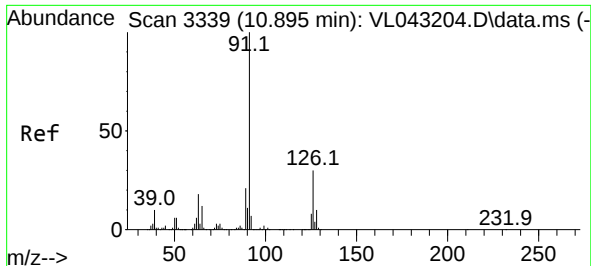
Tgt Ion:119 Resp: 546654
 Ion Ratio Lower Upper
 119 100
 134 25.0 20.2 30.2
 91 30.5 23.8 35.8



#70
 n-Butylbenzene
 Concen: 9.448 ppbv
 RT: 12.277 min Scan# 3766
 Delta R.T. 0.003 min
 Lab File: VL043213.D
 Acq: 18 Nov 2025 15:24

Tgt Ion: 91 Resp: 547505
 Ion Ratio Lower Upper
 91 100
 92 54.5 43.5 65.3
 134 23.2 19.0 28.6

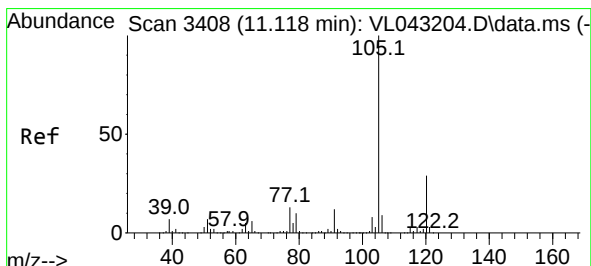
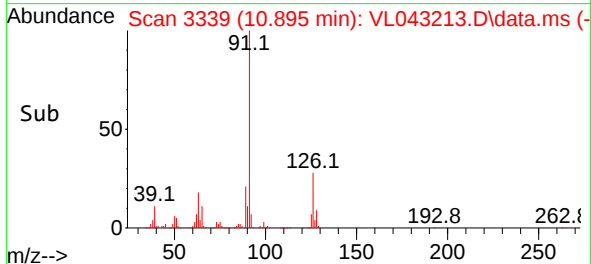
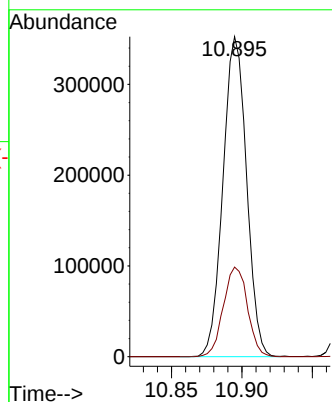
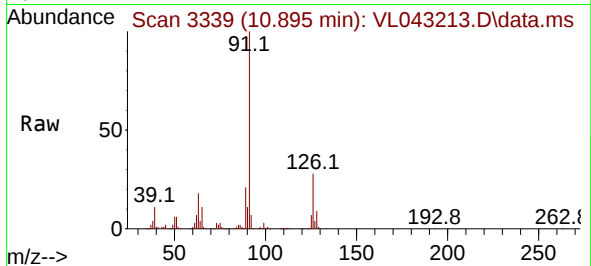




#71
2-Chlorotoluene
Concen: 9.432 ppbv
RT: 10.895 min Scan# 311
Delta R.T. -0.000 min
Lab File: VL043213.D
Acq: 18 Nov 2025 15:24

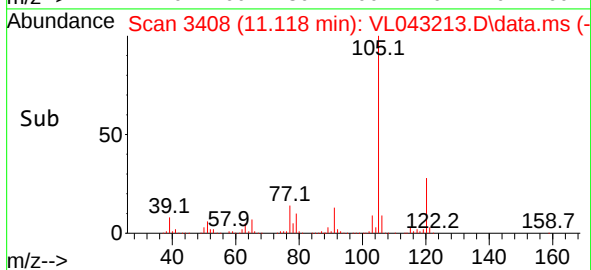
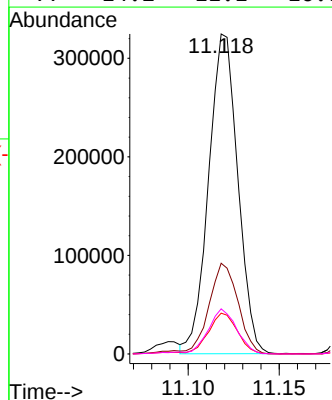
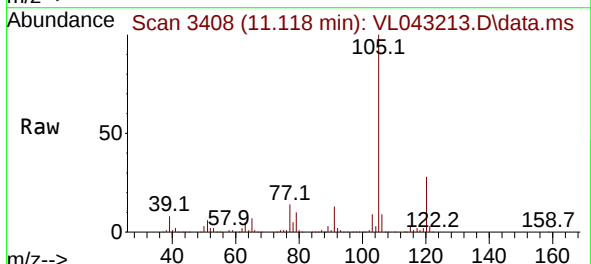
Instrument :
MSVOA_L
ClientSampleId :
VL1118ABS01

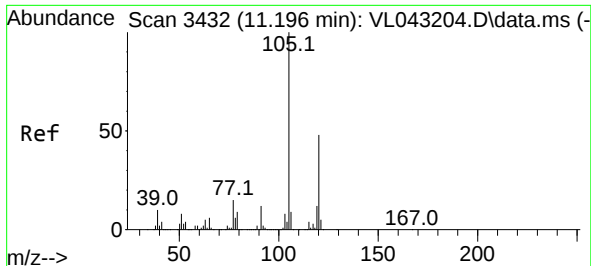
Tgt Ion: 91 Resp: 410121
Ion Ratio Lower Upper
91 100
126 28.7 11.7 46.7



#72
4-Ethyltoluene
Concen: 9.389 ppbv
RT: 11.118 min Scan# 3408
Delta R.T. -0.000 min
Lab File: VL043213.D
Acq: 18 Nov 2025 15:24

Tgt Ion: 105 Resp: 361508
Ion Ratio Lower Upper
105 100
120 28.9 23.8 35.8
91 13.2 10.3 15.5
77 14.2 11.1 16.7

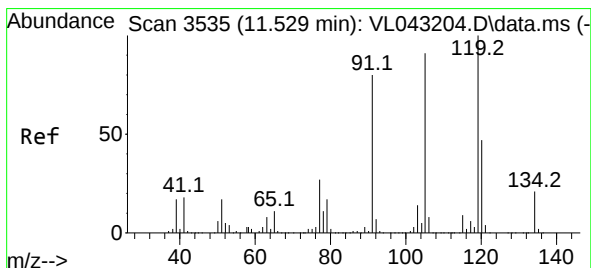
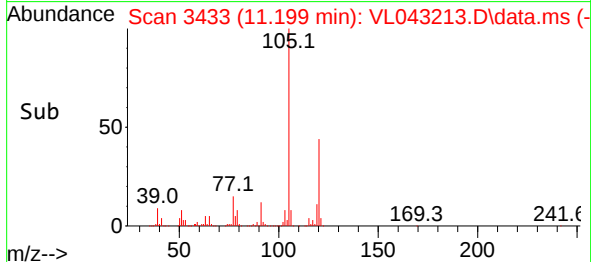
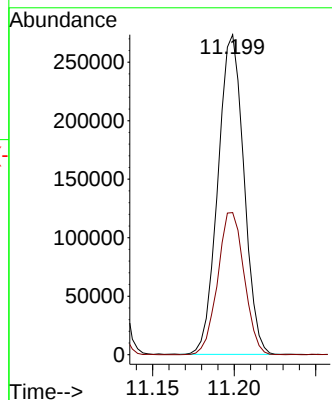
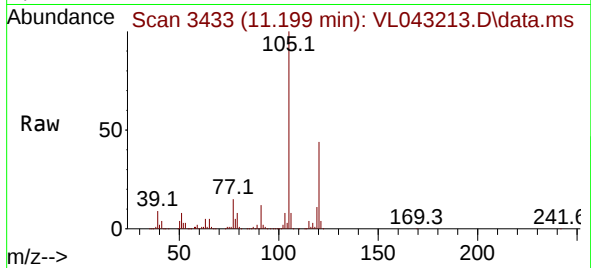




#73
1,3,5-Trimethylbenzene
Concen: 9.362 ppbv
RT: 11.199 min Scan# 3433
Delta R.T. 0.003 min
Lab File: VL043213.D
Acq: 18 Nov 2025 15:24

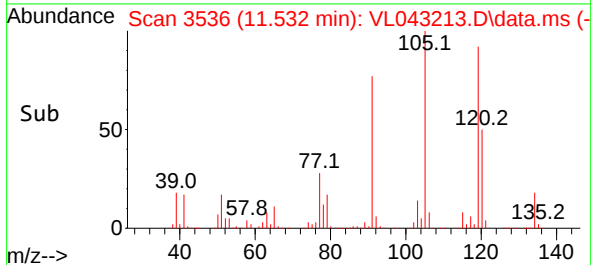
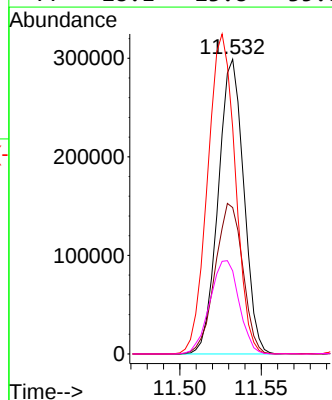
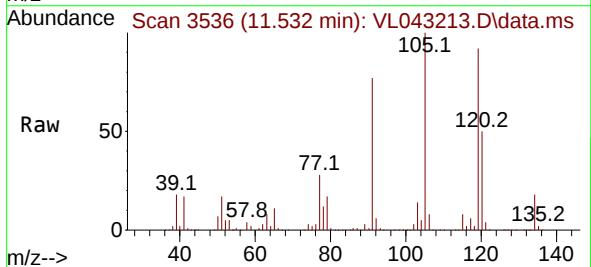
Instrument :
MSVOA_1
ClientSampleId :
VL1118ABS01

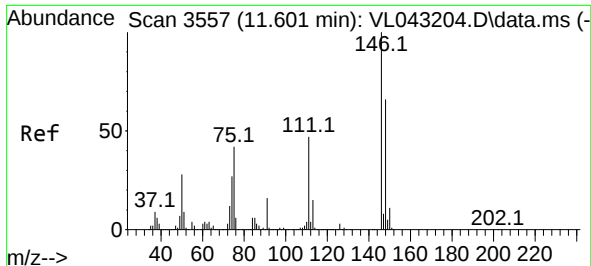
Tgt Ion:105 Resp: 302506
Ion Ratio Lower Upper
105 100
120 44.4 38.6 57.8



#74
1,2,4-Trimethylbenzene
Concen: 9.232 ppbv
RT: 11.532 min Scan# 3536
Delta R.T. 0.003 min
Lab File: VL043213.D
Acq: 18 Nov 2025 15:24

Tgt Ion:105 Resp: 325533
Ion Ratio Lower Upper
105 100
120 49.6 41.7 62.5
91 76.7 70.0 105.0
77 28.1 23.8 35.8

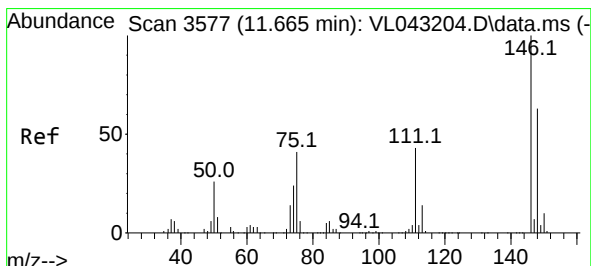
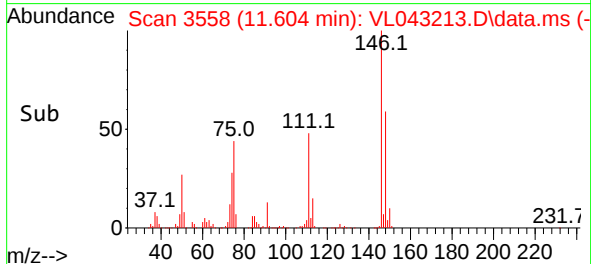
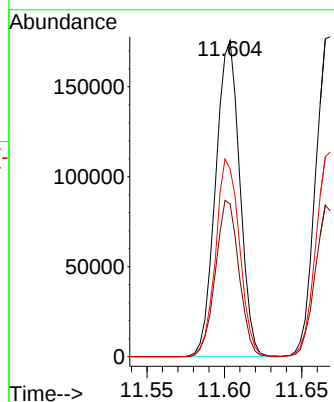
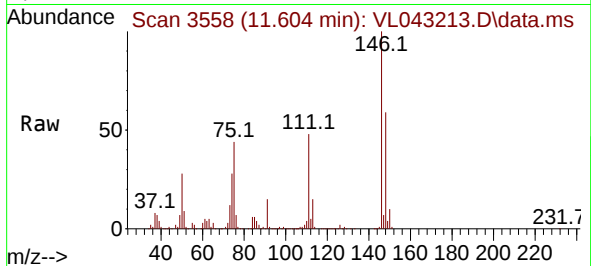




#75
1,3-Dichlorobenzene
Concen: 9.266 ppbv
RT: 11.604 min Scan# 3557
Delta R.T. 0.003 min
Lab File: VL043213.D
Acq: 18 Nov 2025 15:24

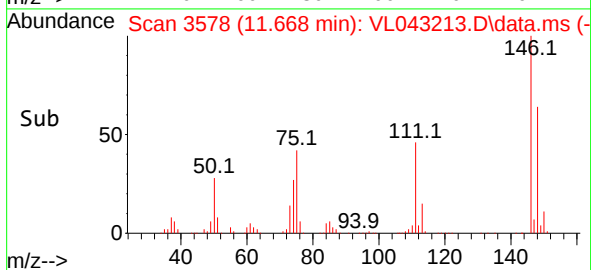
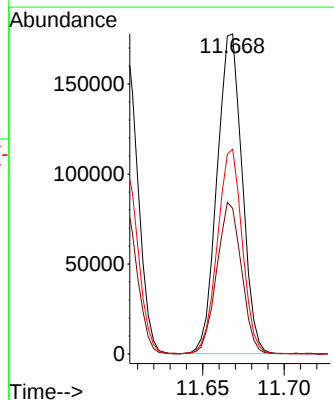
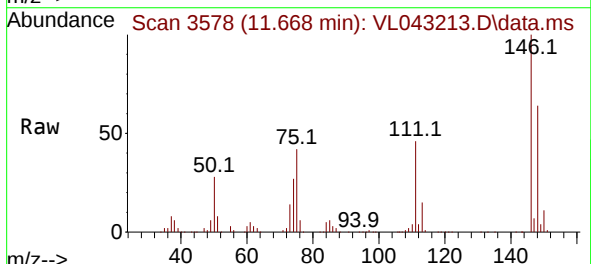
Instrument :
MSVOA_1
ClientSampleId :
VL1118ABS01

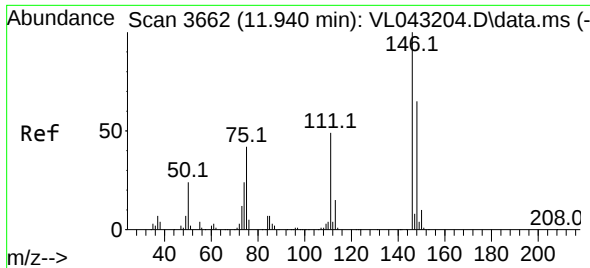
Tgt Ion:146 Resp: 190669
Ion Ratio Lower Upper
146 100
111 48.2 23.4 70.3
148 61.9 31.6 95.0



#76
1,4-Dichlorobenzene
Concen: 9.229 ppbv
RT: 11.668 min Scan# 3578
Delta R.T. 0.003 min
Lab File: VL043213.D
Acq: 18 Nov 2025 15:24

Tgt Ion:146 Resp: 189947
Ion Ratio Lower Upper
146 100
111 47.1 22.8 68.3
148 63.7 31.8 95.4

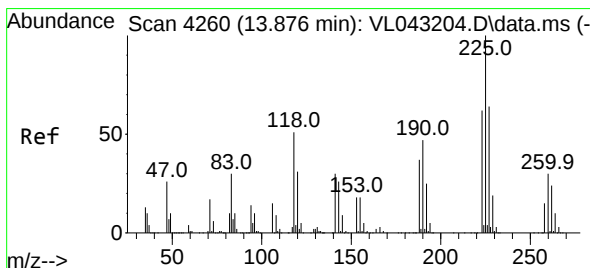
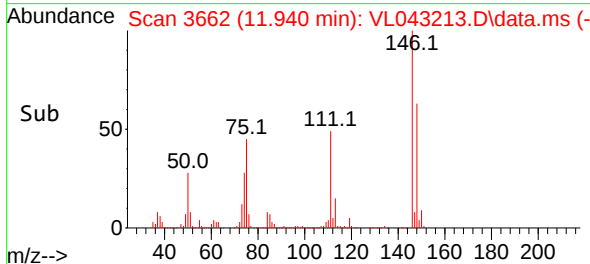
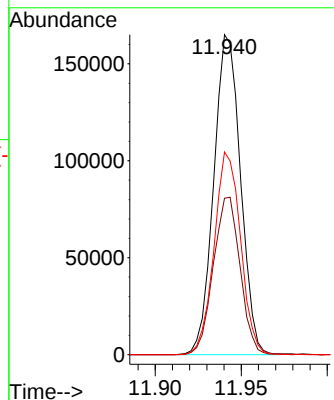
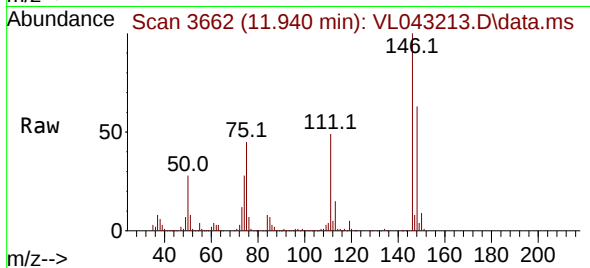




#77
1,2-Dichlorobenzene
Concen: 9.023 ppbv
RT: 11.940 min Scan# 3662
Delta R.T. -0.000 min
Lab File: VL043213.D
Acq: 18 Nov 2025 15:24

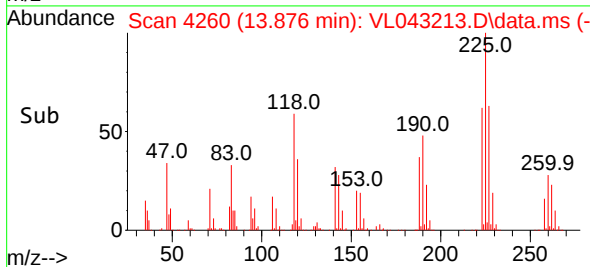
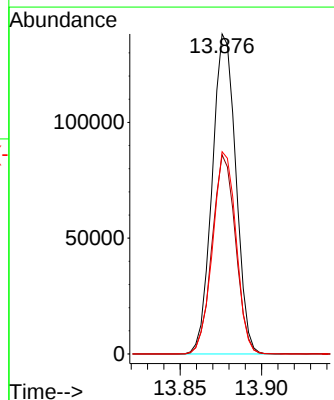
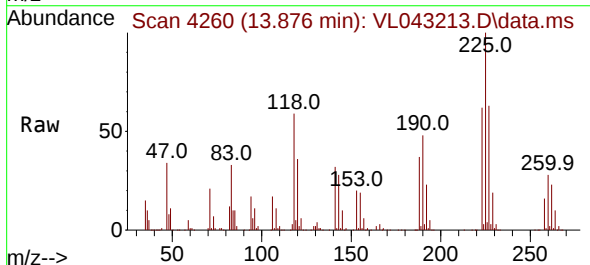
Instrument :
MSVOA_L
ClientSampleId :
VL1118ABS01

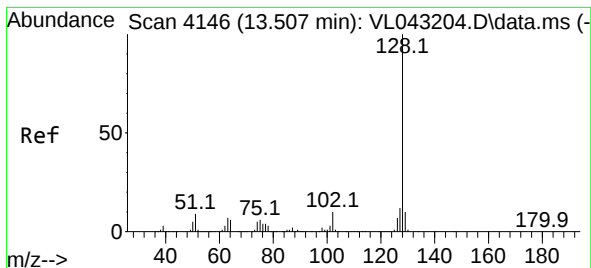
Tgt Ion:146 Resp: 178522
Ion Ratio Lower Upper
146 100
111 49.3 24.3 73.0
148 62.8 31.6 94.7



#78
Hexachloro-1,3-Butadiene
Concen: 8.437 ppbv
RT: 13.876 min Scan# 4260
Delta R.T. -0.000 min
Lab File: VL043213.D
Acq: 18 Nov 2025 15:24

Tgt Ion:225 Resp: 139303
Ion Ratio Lower Upper
225 100
223 61.8 50.2 75.4
227 62.7 51.1 76.7





#79

Naphthalene

Concen: 9.817 ppbv

RT: 13.507 min Scan# 4146

Delta R.T. -0.000 min

Lab File: VL043213.D

Acq: 18 Nov 2025 15:24

Instrument :

MSVOA_1

ClientSampleId :

VL1118ABS01

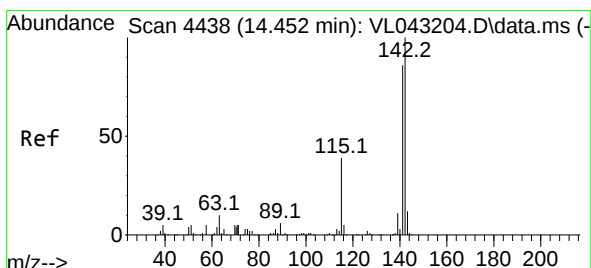
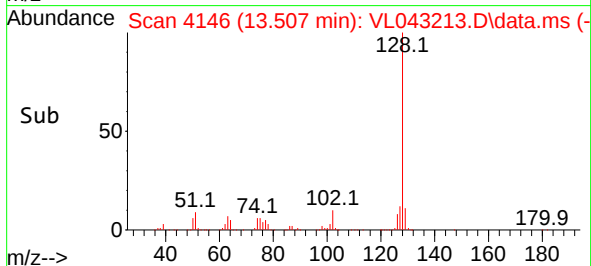
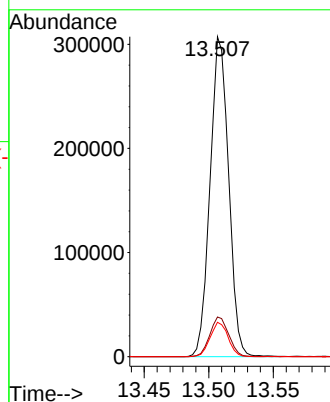
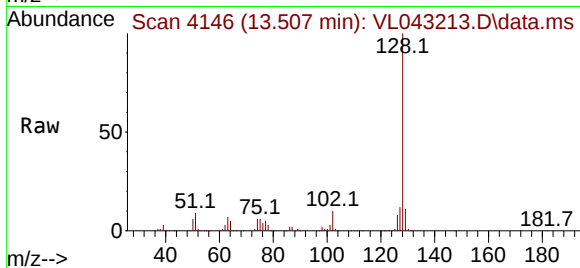
Tgt Ion:128 Resp: 307459

Ion Ratio Lower Upper

128 100

127 12.4 9.9 14.9

129 10.8 8.4 12.6



#80

Naphthalene,2-methyl-

Concen: 9.525 ppbv

RT: 14.452 min Scan# 4438

Delta R.T. -0.000 min

Lab File: VL043213.D

Acq: 18 Nov 2025 15:24

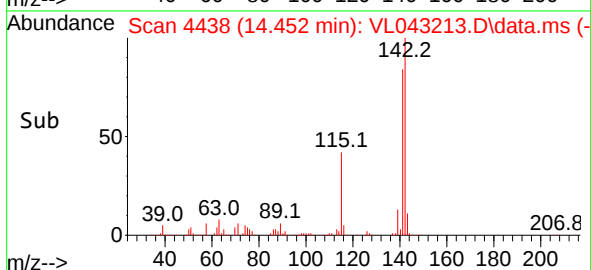
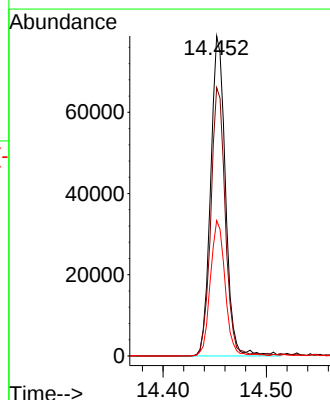
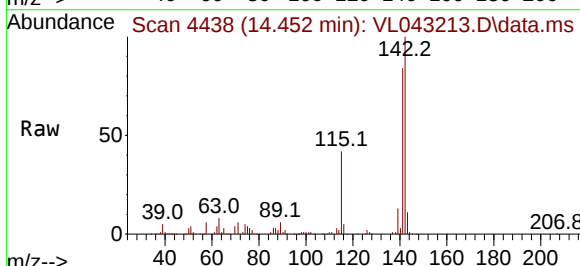
Tgt Ion:142 Resp: 78304

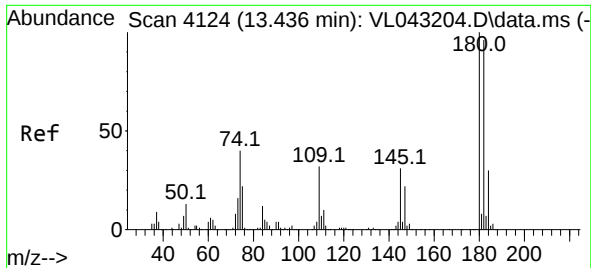
Ion Ratio Lower Upper

142 100

141 83.4 67.1 100.7

115 42.3 31.9 47.9





#81
 1,2,4-Trichlorobenzene
 Concen: 9.787 ppbv
 RT: 13.436 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VL043213.D
 Acq: 18 Nov 2025 15:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1118ABS01

Tgt Ion:180 Resp: 137086
 Ion Ratio Lower Upper
 180 100
 182 95.0 77.4 116.2
 184 30.0 24.2 36.4

