

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111325\
 Data File : VL043193.D
 Acq On : 13 Nov 2025 10:53
 Operator : SY/MD
 Sample : VL1113ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1113ABS01

Quant Time: Nov 14 04:36:47 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Oct 15 02:12:58 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.793	49	140848	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.968	114	381641	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.891	117	326347	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.383	95	258637	10.196	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.000%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	189933	9.485	ppbv	100
3) Chlorodifluoromethane	1.479	51	208224	9.611	ppbv	100
4) Chloromethane	1.538	50	66230	8.349	ppbv	99
5) Vinyl Chloride	1.583	62	65244	8.386	ppbv	99
6) Bromomethane	1.674	94	40543	9.503	ppbv	99
7) Chloroethane	1.709	64	26713	8.397	ppbv	99
8) Dichlorotetrafluoroethane	1.557	85	150613	9.306	ppbv	91
9) Propene	1.486	41	83462	8.686	ppbv	96
10) Heptane	4.994	43	260465	9.416	ppbv	99
11) Trichlorofluoromethane	1.884	101	205038	10.468	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.146	101	158562	10.056	ppbv	98
13) Ethanol	1.725	45	23269	6.547	ppbv	95
14) Bromoethene	1.787	108	56772	9.692	ppbv	97
15) Acetone	1.839	43	160664	8.463	ppbv	100
16) 1,3-Butadiene	1.612	39	72141	7.974	ppbv	99
17) tert-Butyl alcohol	2.043	59	217484	8.346	ppbv	99
18) 1,1-Dichloroethene	2.039	96	69052	10.045	ppbv	88
19) Isopropyl Alcohol	1.890	45	92184	7.796	ppbv	91
20) Methylene Chloride	2.065	84	60706	8.090	ppbv	95
21) Allyl Chloride	2.101	41	119083	8.513	ppbv	96
22) trans-1,2-Dichloroethene	2.347	96	79043	9.619	ppbv	91
23) Vinyl Acetate	2.467	43	285067	10.251	ppbv #	98
24) 1,1-Dichloroethane	2.415	63	150976	9.509	ppbv	99
25) Ethyl Acetate	2.839	43	467192	9.924	ppbv	99
26) Hexane	2.836	57	206119	9.502	ppbv	98
27) Carbon Disulfide	2.156	76	195762	9.849	ppbv	98
28) Methyl tert-Butyl Ether	2.444	73	80192	8.126	ppbv	94
29) Chloroform	2.855	83	309209	9.837	ppbv	99
30) Cyclohexane	3.868	84	163223	8.621	ppbv	98
31) cis-1,2-Dichloroethene	2.729	61	196567	9.489	ppbv	97
32) 1,1,1-Trichloroethane	3.376	97	294760	9.005	ppbv	97
34) 2-Butanone	2.560	43	306642	11.953	ppbv	99
35) Carbon Tetrachloride	3.774	117	307371	11.202	ppbv	98
36) Benzene	3.664	78	401100	11.159	ppbv	98
37) 1,2-Dichloroethane	3.224	62	228931	11.056	ppbv	98
38) Trichloroethene	4.561	130	148220	9.873	ppbv	98
39) 1,2-Dichloropropane	4.324	63	146018	11.112	ppbv	95
40) 1,4-Dioxane	4.590	88	60137	10.227	ppbv #	95
41) Tetrahydrofuran	3.059	42	159113	11.089	ppbv	96
42) Bromodichloromethane	4.499	83	329652	11.502	ppbv	99
43) Methyl Methacrylate	4.888	69	188689	10.336	ppbv	97
44) 2,2,4-Trimethylpentane	4.655	57	691827	11.408	ppbv	99
45) t-1,3-Dichloropropene	6.428	75	175660	9.588	ppbv	96

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

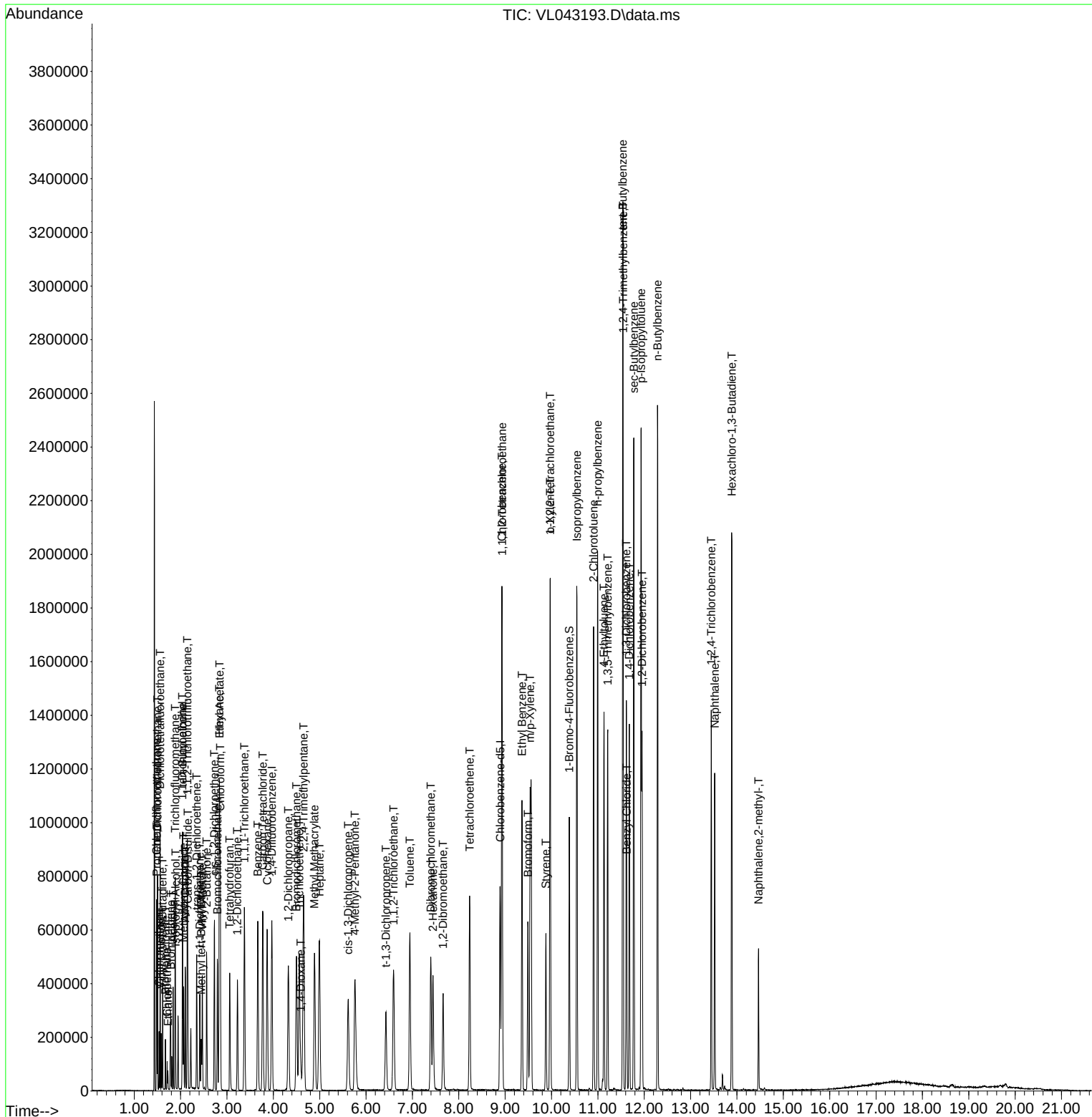
Instrument :
 MSVOA_L
 ClientSampleId :
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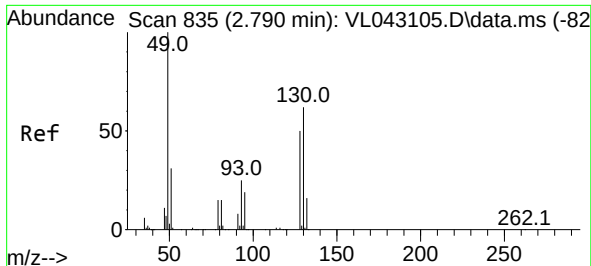
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 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Oct 15 02:12:58 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.616	75	222196	10.153	ppbv	96
47) 1,1,2-Trichloroethane	6.593	97	159359	11.230	ppbv	96
48) Dibromochloromethane	7.396	129	258701	10.903	ppbv	98
49) Bromoform	9.490	173	221619	11.491	ppbv	100
50) 4-Methyl-2-Pentanone	5.761	43	385105	10.877	ppbv	99
51) 2-Hexanone	7.444	43	289935	10.918	ppbv #	97
52) Tetrachloroethene	8.234	164	133238	10.279	ppbv	97
53) Toluene	6.946	91	428768	10.051	ppbv	99
54) 1,2-Dibromoethane	7.661	107	236351	10.633	ppbv	99
56) 1,1,1,2-Tetrachloroethane	8.933	131	240077	11.670	ppbv	100
57) Chlorobenzene	8.930	112	337602	11.058	ppbv	99
58) Ethyl Benzene	9.364	91	594417	10.613	ppbv	99
59) m/p-Xylene	9.539	91	490348	10.976	ppbv #	29
60) o-Xylene	9.972	91	487054	11.039	ppbv	100
61) Styrene	9.878	104	198117	9.947	ppbv	98
62) Isopropylbenzene	10.545	105	876032	10.988	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.969	83	335111	11.343	ppbv	100
64) n-propylbenzene	10.995	120	228911	10.845	ppbv	91
65) tert-Butylbenzene	11.536	119	750836	10.665	ppbv	100
66) Benzyl Chloride	11.623	91	68177	8.701	ppbv	99
67) sec-Butylbenzene	11.775	105	1088172	10.891	ppbv	99
69) p-Isopropyltoluene	11.934	119	901546	10.618	ppbv	99
70) n-Butylbenzene	12.287	91	917214	10.962	ppbv	99
71) 2-Chlorotoluene	10.908	91	661575	10.880	ppbv	100
72) 4-Ethyltoluene	11.131	105	603491	11.124	ppbv	100
73) 1,3,5-Trimethylbenzene	11.212	105	496215	11.091	ppbv	97
74) 1,2,4-Trimethylbenzene	11.545	105	543655	10.858	ppbv #	84
75) 1,3-Dichlorobenzene	11.613	146	334602	11.522	ppbv	99
76) 1,4-Dichlorobenzene	11.678	146	337741	11.534	ppbv	98
77) 1,2-Dichlorobenzene	11.953	146	321835	11.456	ppbv	97
78) Hexachloro-1,3-Butadiene	13.889	225	222076	10.210	ppbv	99
79) Naphthalene	13.520	128	535902	10.240	ppbv	99
80) Naphthalene,2-methyl-	14.465	142	136849	10.037	ppbv	97
81) 1,2,4-Trichlorobenzene	13.445	180	232626	10.710	ppbv	99

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

Quant Time: Nov 14 04:36:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
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QLast Update : Wed Oct 15 02:12:58 2025
Response via : Initial Calibration

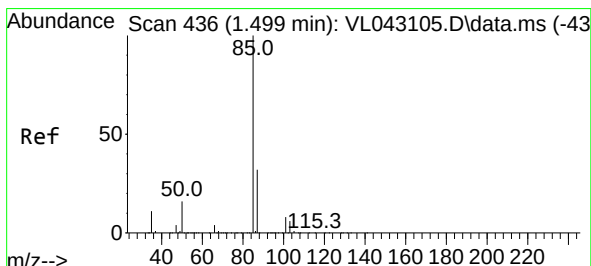
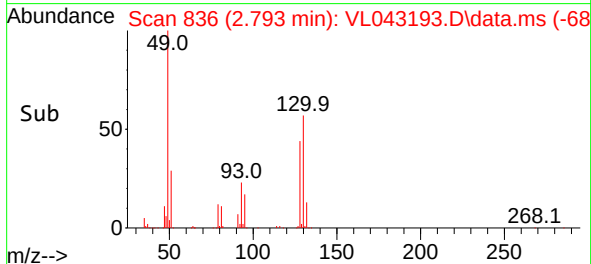
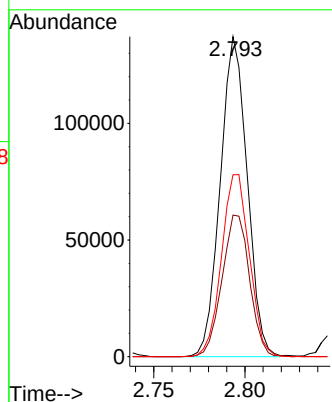
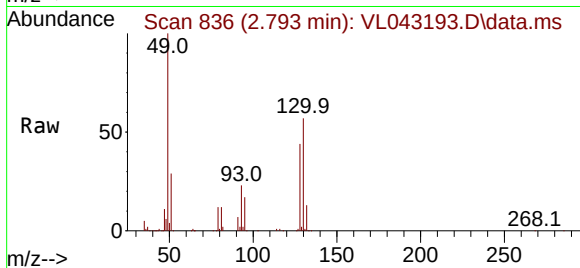




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.793 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL043193.D
Acq: 13 Nov 2025 10:53

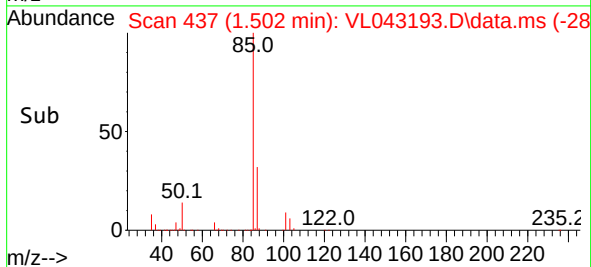
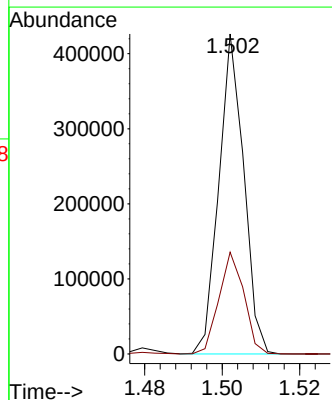
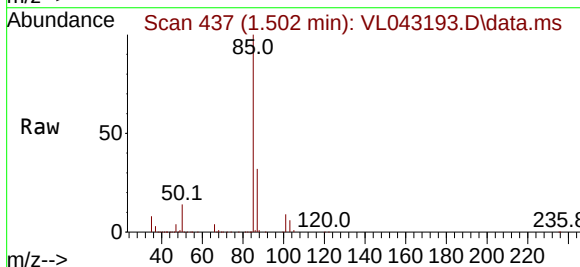
Instrument :
MSVOA_L
ClientSampleId :
VL1113ABS01

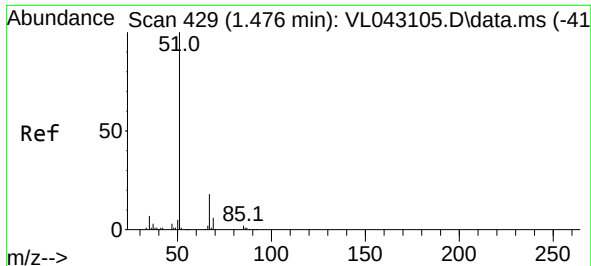
Tgt Ion: 49 Resp: 140848
Ion Ratio Lower Upper
49 100
128 45.4 24.4 73.4
130 59.0 31.0 93.0



#2
Dichlorodifluoromethane
Concen: 9.485 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.003 min
Lab File: VL043193.D
Acq: 13 Nov 2025 10:53

Tgt Ion: 85 Resp: 189933
Ion Ratio Lower Upper
85 100
87 31.8 25.3 37.9

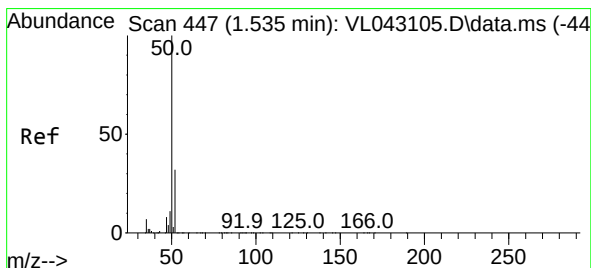
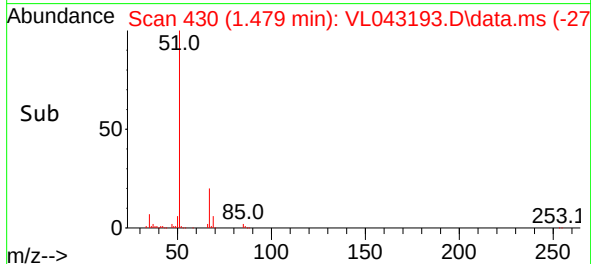
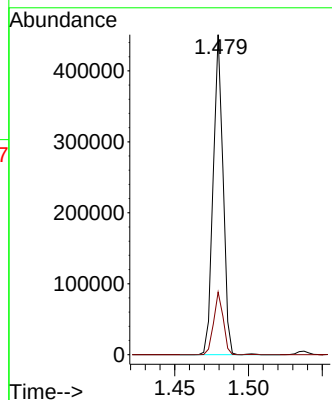
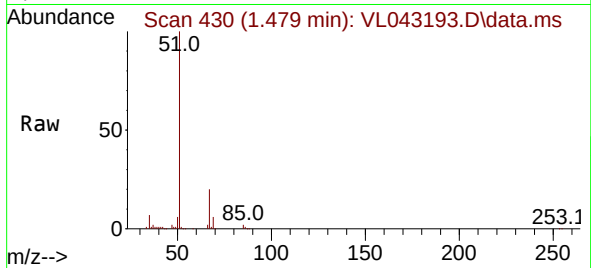




#3
Chlorodifluoromethane
Concen: 9.611 ppbv
RT: 1.479 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL043193.D
Acq: 13 Nov 2025 10:53

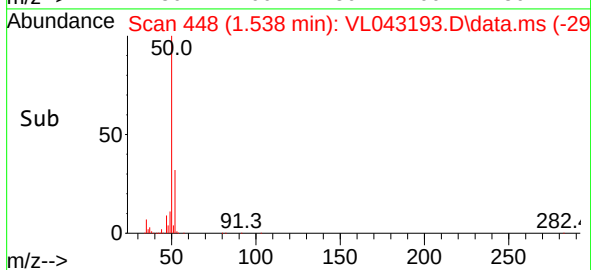
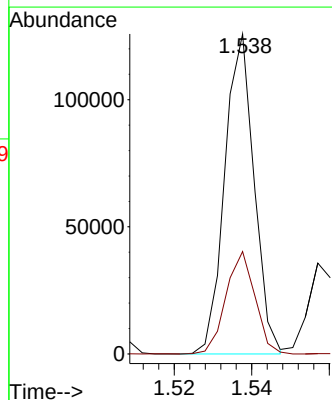
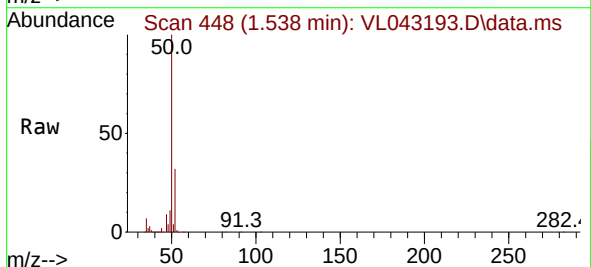
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ClientSampleId :
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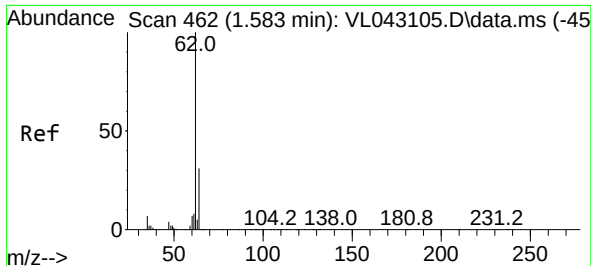
Tgt Ion: 51 Resp: 208224
Ion Ratio Lower Upper
51 100
67 19.1 15.1 22.7



#4
Chloromethane
Concen: 8.349 ppbv
RT: 1.538 min Scan# 448
Delta R.T. 0.003 min
Lab File: VL043193.D
Acq: 13 Nov 2025 10:53

Tgt Ion: 50 Resp: 66230
Ion Ratio Lower Upper
50 100
52 32.0 25.2 37.8

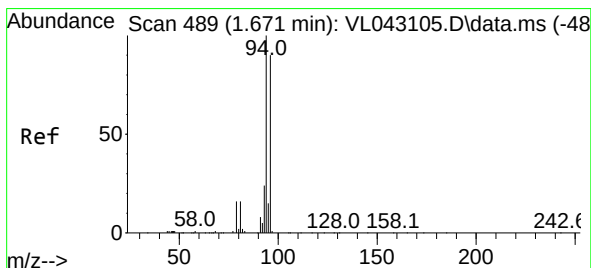
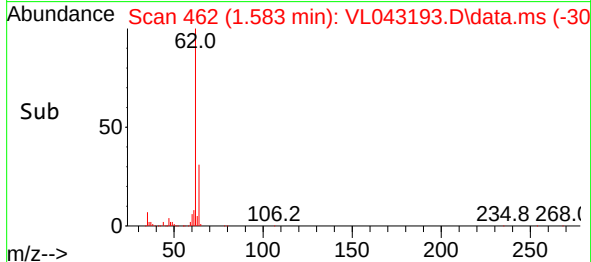
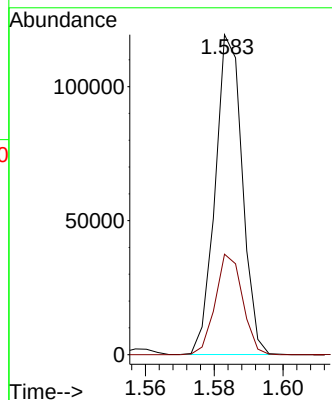
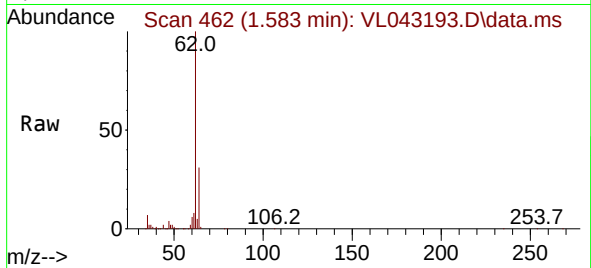




#5
 Vinyl Chloride
 Concen: 8.386 ppbv
 RT: 1.583 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VL043193.D
 Acq: 13 Nov 2025 10:53

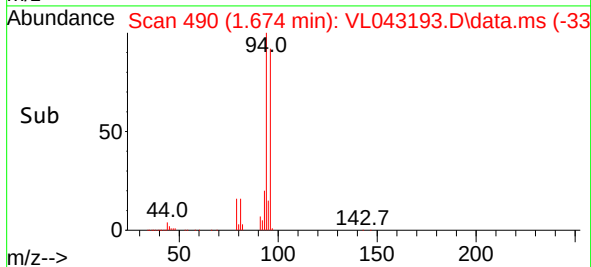
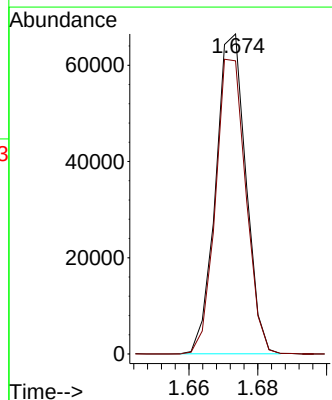
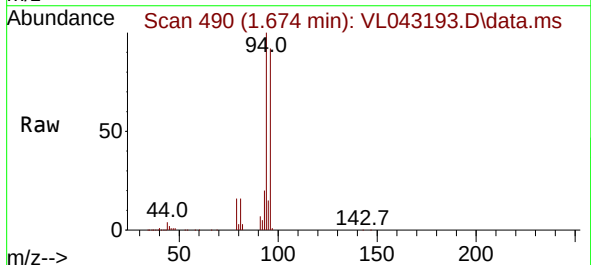
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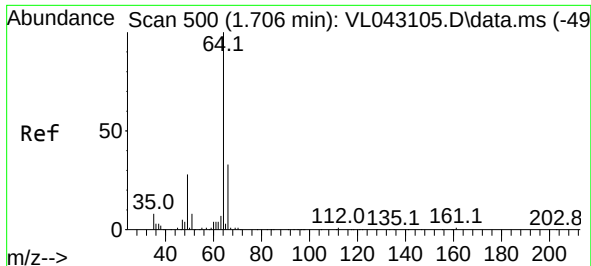
Tgt Ion: 62 Resp: 65244
 Ion Ratio Lower Upper
 62 100
 64 31.4 24.6 36.8



#6
 Bromomethane
 Concen: 9.503 ppbv
 RT: 1.674 min Scan# 490
 Delta R.T. 0.003 min
 Lab File: VL043193.D
 Acq: 13 Nov 2025 10:53

Tgt Ion: 94 Resp: 40543
 Ion Ratio Lower Upper
 94 100
 96 91.7 72.2 108.4

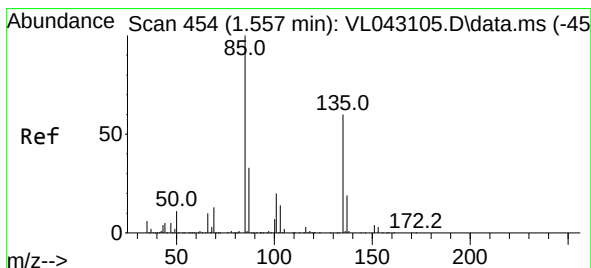
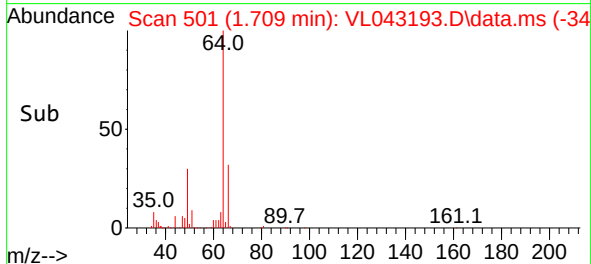
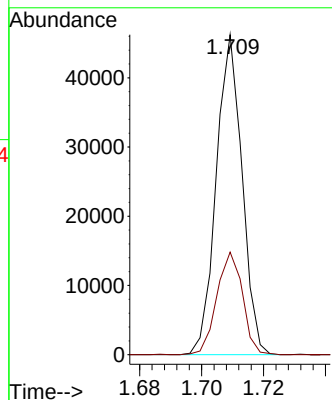
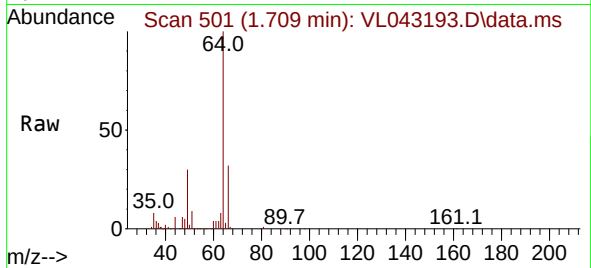




#7
Chloroethane
Concen: 8.397 ppbv
RT: 1.709 min Scan# 500
Delta R.T. 0.003 min
Lab File: VL043193.D
Acq: 13 Nov 2025 10:53

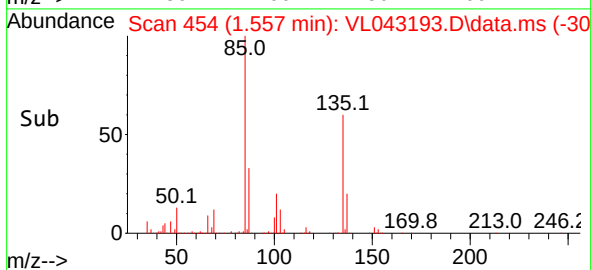
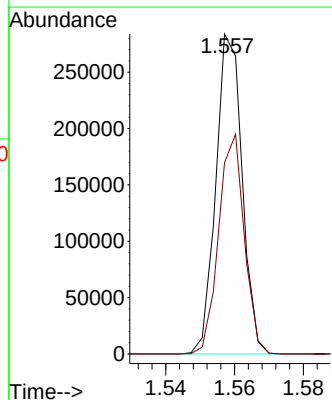
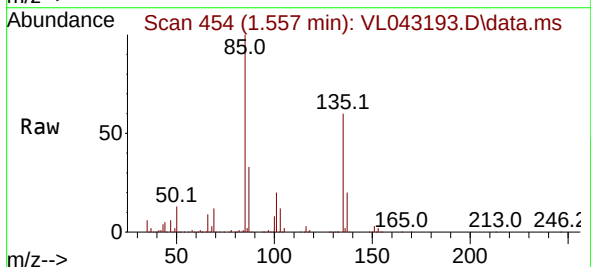
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ClientSampleId :
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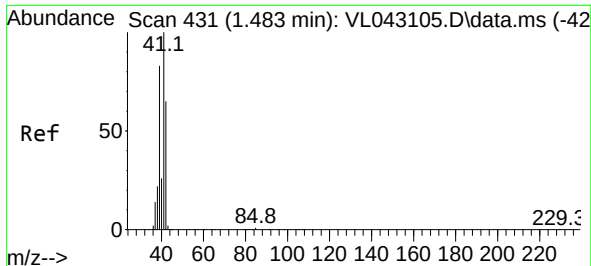
Tgt Ion: 64 Resp: 26713
Ion Ratio Lower Upper
64 100
66 32.0 26.0 39.0



#8
Dichlorotetrafluoroethane
Concen: 9.306 ppbv
RT: 1.557 min Scan# 454
Delta R.T. -0.000 min
Lab File: VL043193.D
Acq: 13 Nov 2025 10:53

Tgt Ion: 85 Resp: 150613
Ion Ratio Lower Upper
85 100
135 66.8 48.2 72.4





#9

Propene

Concen: 8.686 ppbv

RT: 1.486 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL043193.D

Acq: 13 Nov 2025 10:53

Instrument :

MSVOA_1

ClientSampleId :

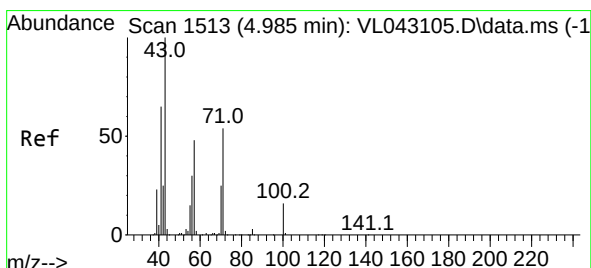
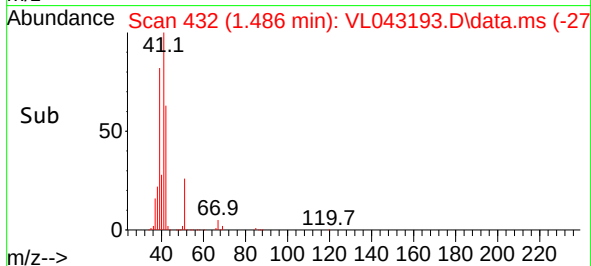
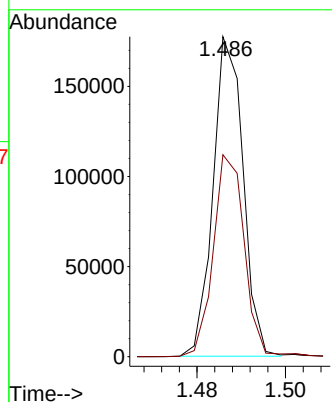
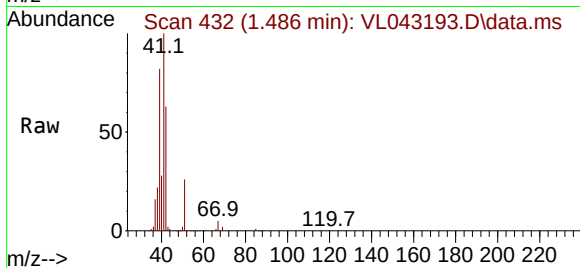
VL1113ABS01

Tgt Ion: 41 Resp: 83462

Ion Ratio Lower Upper

41 100

42 65.8 55.1 82.7



#10

Heptane

Concen: 9.416 ppbv

RT: 4.994 min Scan# 1516

Delta R.T. 0.010 min

Lab File: VL043193.D

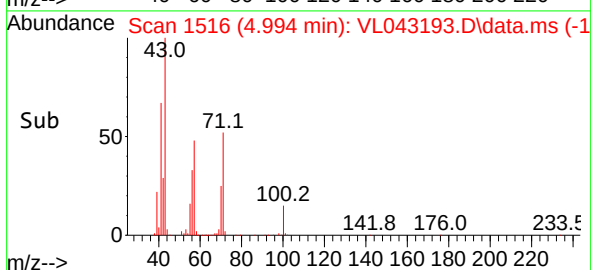
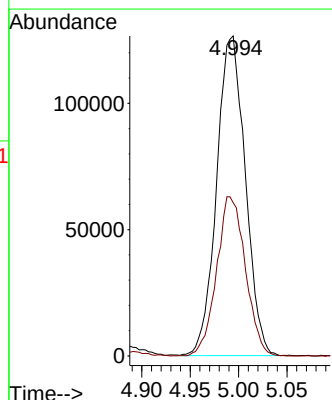
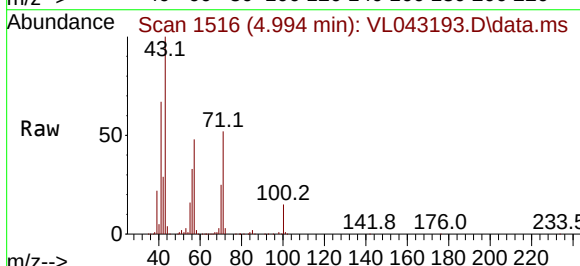
Acq: 13 Nov 2025 10:53

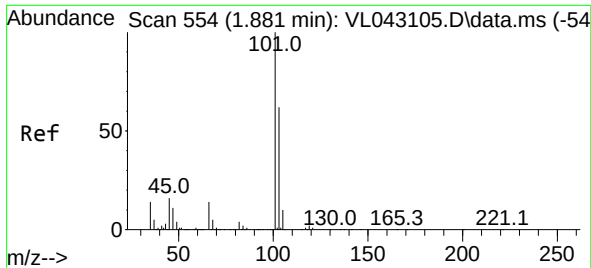
Tgt Ion: 43 Resp: 260465

Ion Ratio Lower Upper

43 100

57 50.2 40.8 61.2

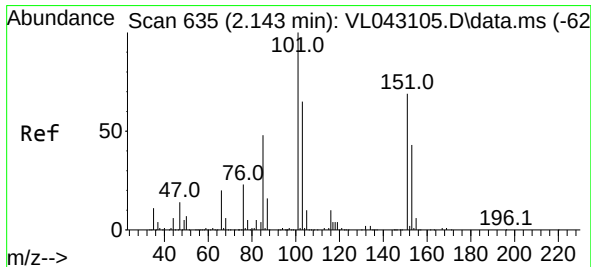
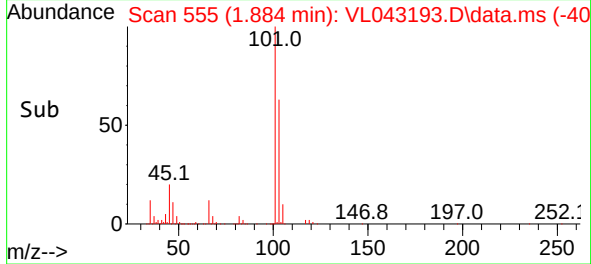
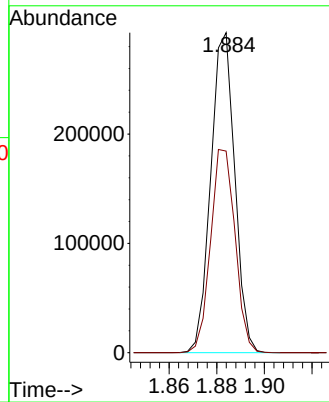
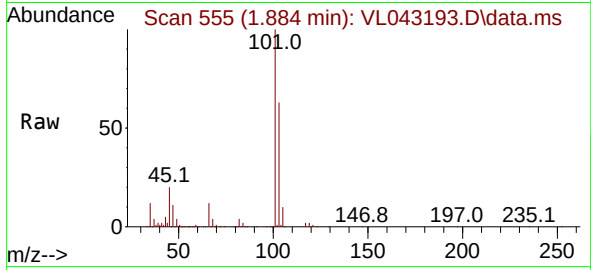




#11
Trichlorofluoromethane
Concen: 10.468 ppbv
RT: 1.884 min Scan# 51
Delta R.T. 0.003 min
Lab File: VL043193.D
Acq: 13 Nov 2025 10:53

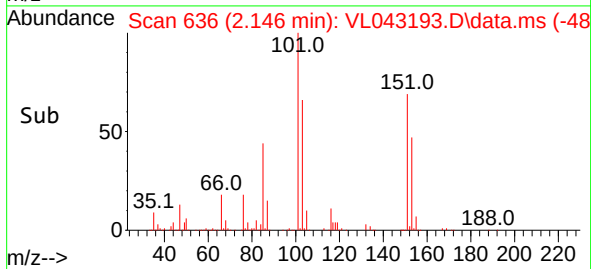
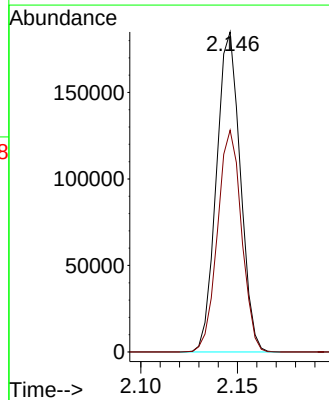
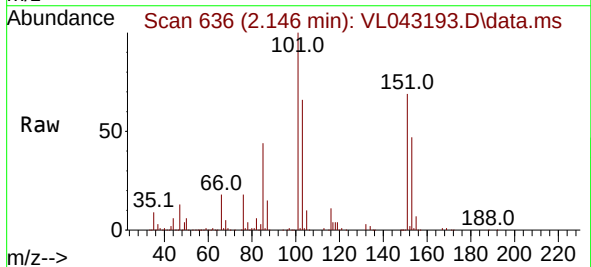
Instrument :
MSVOA_1
ClientSampleId :
VL1113ABS01

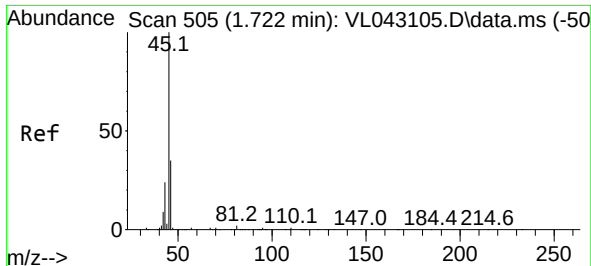
Tgt Ion:101 Resp: 205038
Ion Ratio Lower Upper
101 100
103 63.0 49.3 73.9



#12
1,1,2-Trichlorotrifluoroethane
Concen: 10.056 ppbv
RT: 2.146 min Scan# 636
Delta R.T. 0.003 min
Lab File: VL043193.D
Acq: 13 Nov 2025 10:53

Tgt Ion:101 Resp: 158562
Ion Ratio Lower Upper
101 100
151 69.7 54.7 82.1

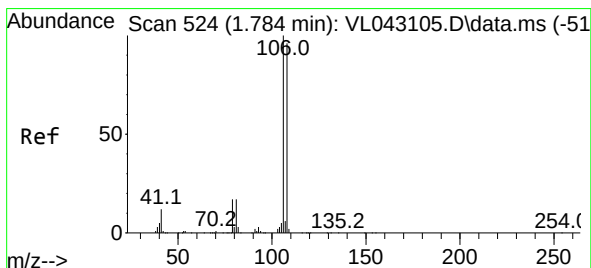
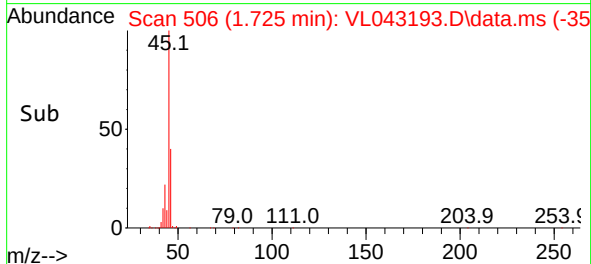
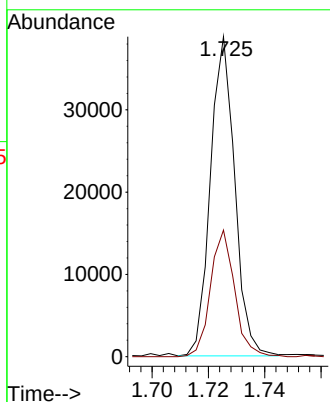
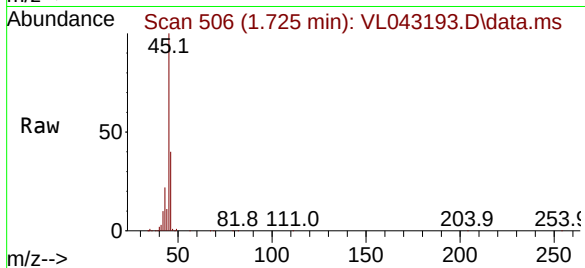




#13
Ethanol
Concen: 6.547 ppbv
RT: 1.725 min Scan# 505
Delta R.T. 0.003 min
Lab File: VL043193.D
Acq: 13 Nov 2025 10:53

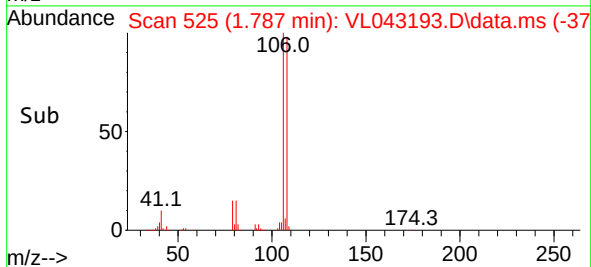
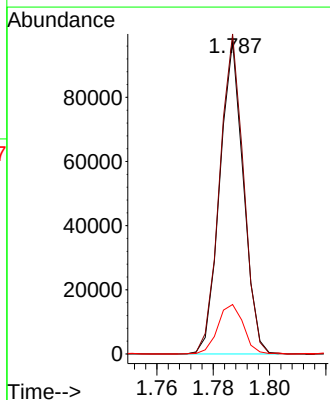
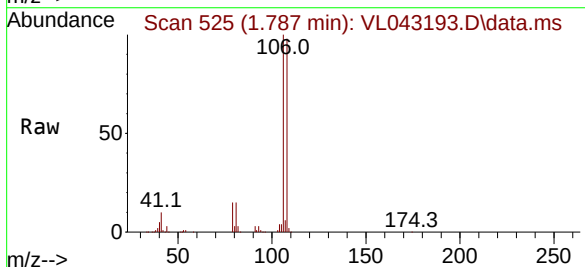
Instrument :
MSVOA_L
ClientSampleId :
VL1113ABS01

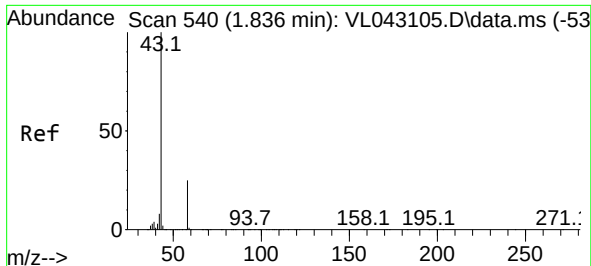
Tgt Ion: 45 Resp: 23269
Ion Ratio Lower Upper
45 100
46 39.5 14.7 58.9



#14
Bromoethene
Concen: 9.692 ppbv
RT: 1.787 min Scan# 525
Delta R.T. 0.003 min
Lab File: VL043193.D
Acq: 13 Nov 2025 10:53

Tgt Ion: 108 Resp: 56772
Ion Ratio Lower Upper
108 100
106 103.1 84.4 126.6
79 17.2 15.3 22.9

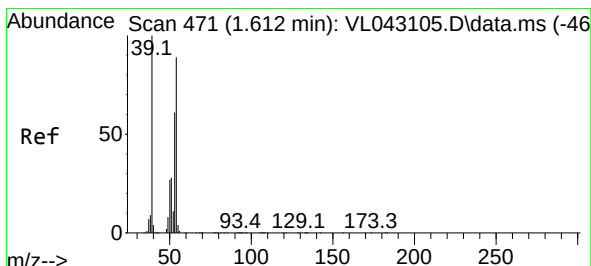
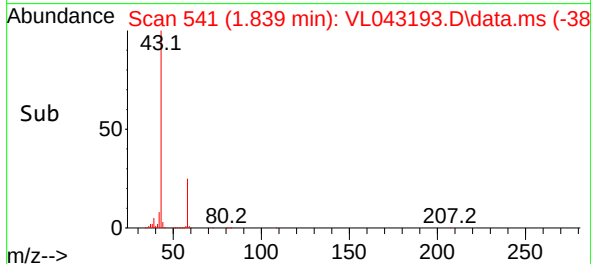
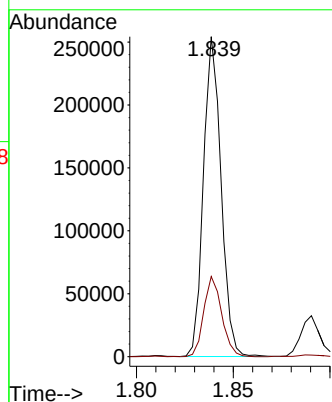
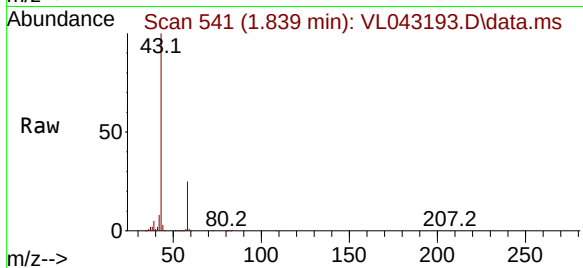




#15
Acetone
Concen: 8.463 ppbv
RT: 1.839 min Scan# 541
Delta R.T. 0.003 min
Lab File: VL043193.D
Acq: 13 Nov 2025 10:53

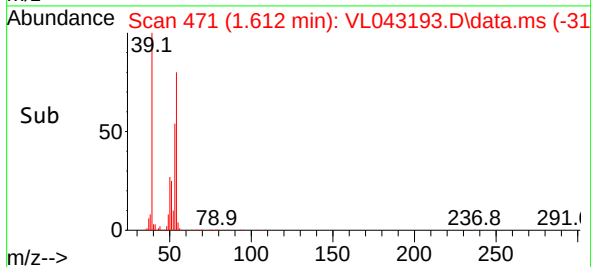
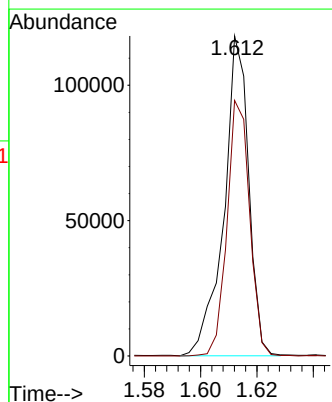
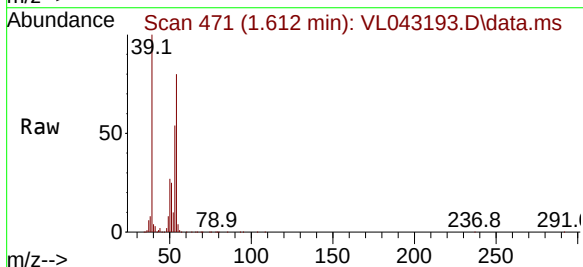
Instrument :
MSVOA_L
ClientSampleId :
VL1113ABS01

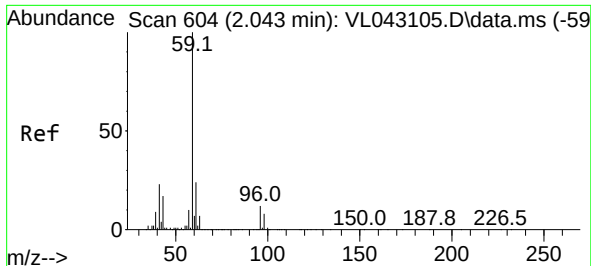
Tgt Ion: 43 Resp: 160664
Ion Ratio Lower Upper
43 100
58 25.8 20.8 31.2



#16
1,3-Butadiene
Concen: 7.974 ppbv
RT: 1.612 min Scan# 471
Delta R.T. -0.000 min
Lab File: VL043193.D
Acq: 13 Nov 2025 10:53

Tgt Ion: 39 Resp: 72141
Ion Ratio Lower Upper
39 100
54 72.9 59.0 88.4

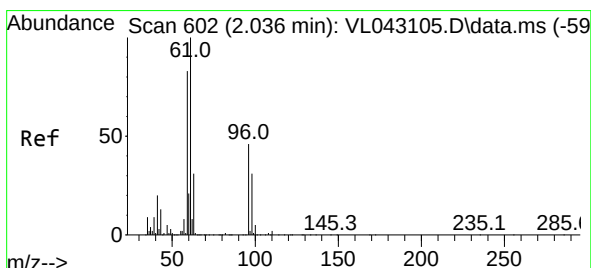
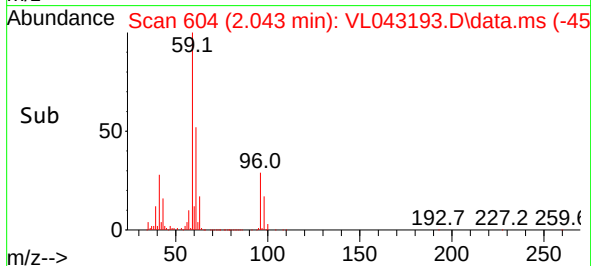
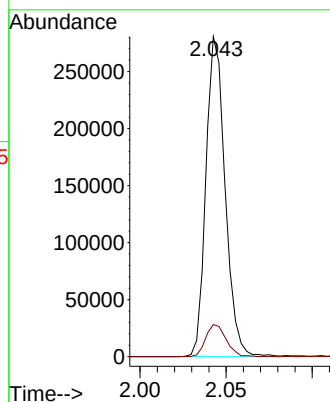
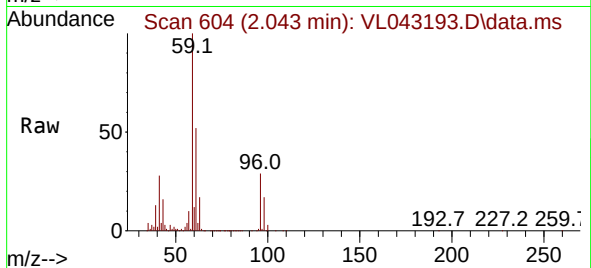




#17
tert-Butyl alcohol
Concen: 8.346 ppbv
RT: 2.043 min Scan# 604
Delta R.T. -0.000 min
Lab File: VL043193.D
Acq: 13 Nov 2025 10:53

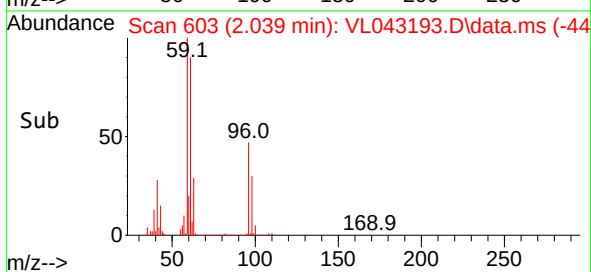
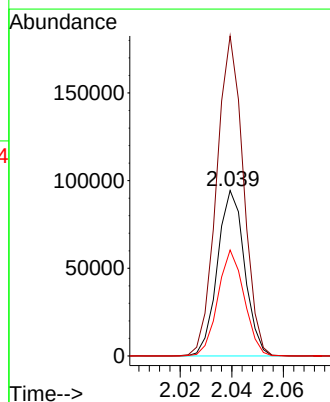
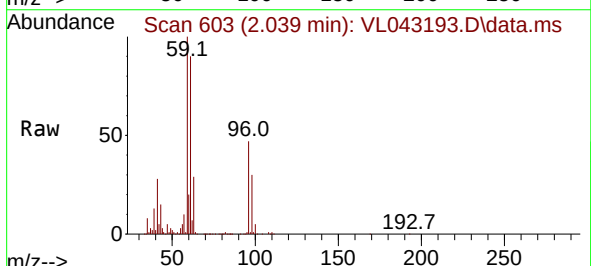
Instrument :
MSVOA_1
ClientSampleId :
VL1113ABS01

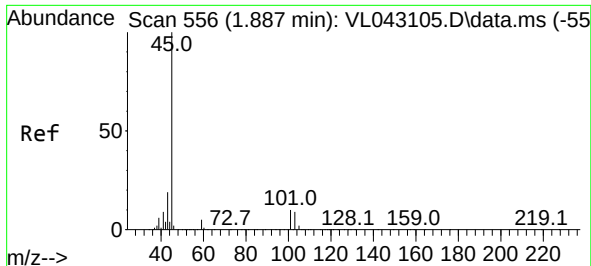
Tgt Ion: 59 Resp: 217484
Ion Ratio Lower Upper
59 100
57 10.8 8.2 12.4



#18
1,1-Dichloroethene
Concen: 10.045 ppbv
RT: 2.039 min Scan# 603
Delta R.T. 0.003 min
Lab File: VL043193.D
Acq: 13 Nov 2025 10:53

Tgt Ion: 96 Resp: 69052
Ion Ratio Lower Upper
96 100
61 193.3 173.4 260.0
98 64.1 53.2 79.8





#19

Isopropyl Alcohol

Concen: 7.796 ppbv

RT: 1.890 min Scan# 556

Delta R.T. 0.003 min

Lab File: VL043193.D

Acq: 13 Nov 2025 10:53

Instrument :

MSVOA_L

ClientSampleId :

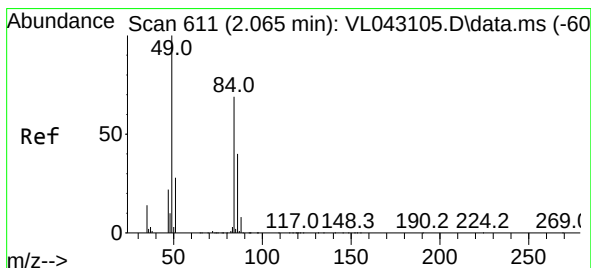
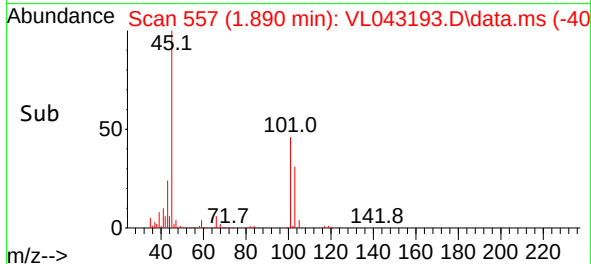
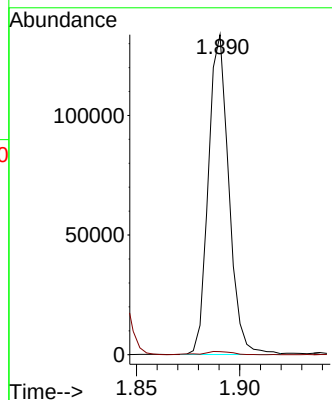
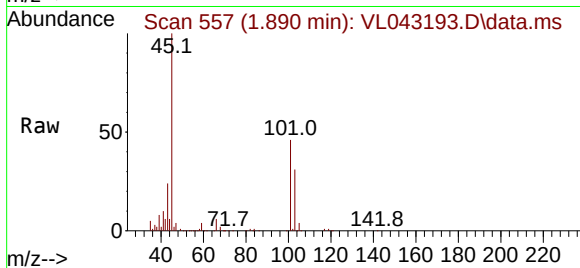
VL1113ABS01

Tgt Ion: 45 Resp: 92184

Ion Ratio Lower Upper

45 100

58 44.8 31.3 46.9



#20

Methylene Chloride

Concen: 8.090 ppbv

RT: 2.065 min Scan# 611

Delta R.T. -0.000 min

Lab File: VL043193.D

Acq: 13 Nov 2025 10:53

Tgt Ion: 84 Resp: 60706

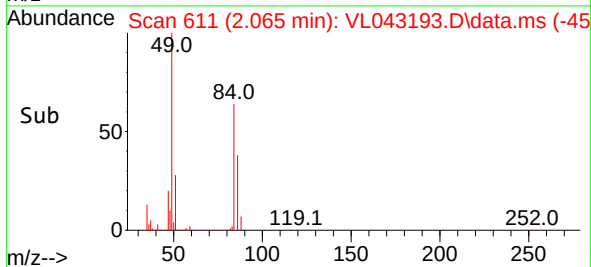
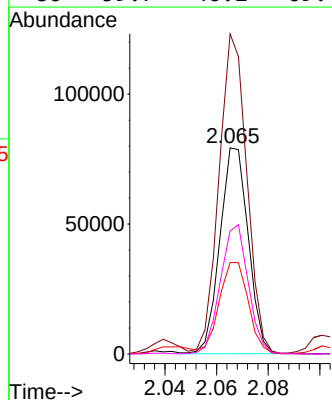
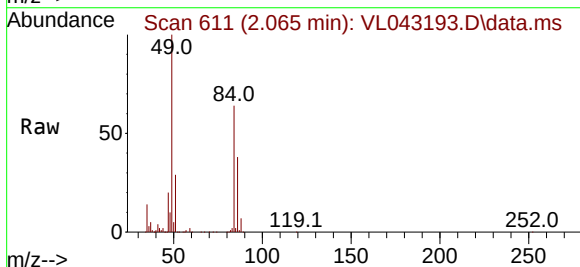
Ion Ratio Lower Upper

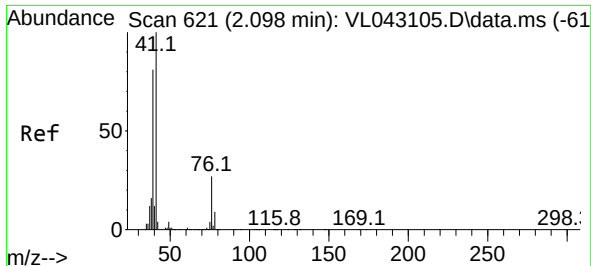
84 100

49 155.1 116.6 175.0

51 44.3 34.8 52.2

86 59.7 46.2 69.4

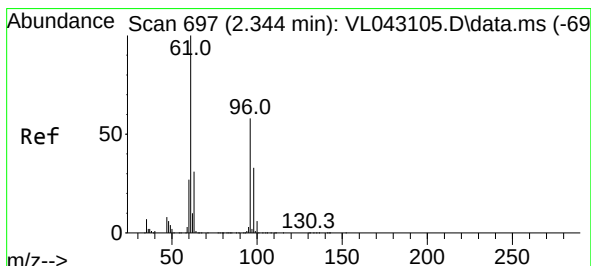
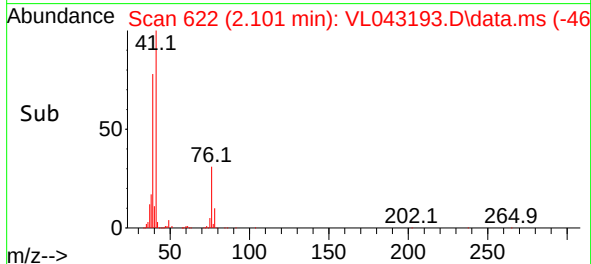
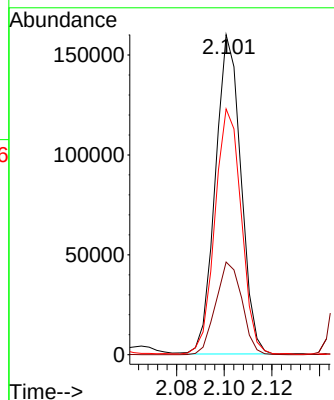
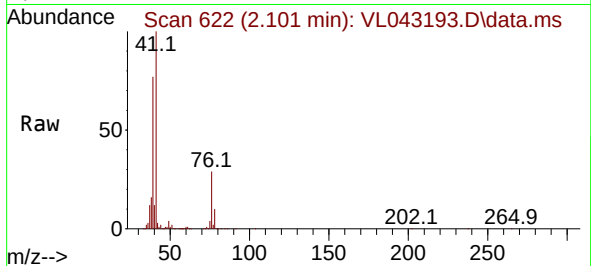




#21
 Allyl Chloride
 Concen: 8.513 ppbv
 RT: 2.101 min Scan# 61
 Delta R.T. 0.003 min
 Lab File: VL043193.D
 Acq: 13 Nov 2025 10:53

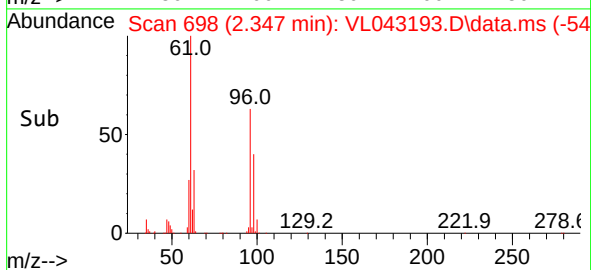
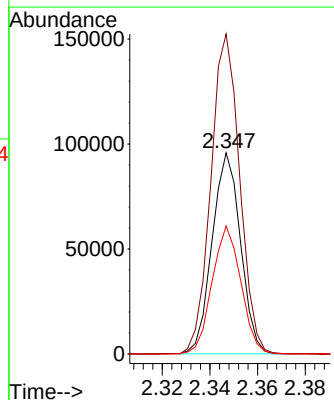
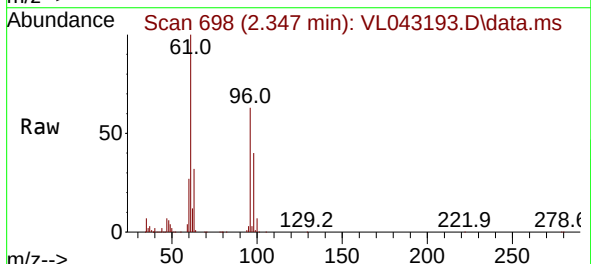
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1113ABS01

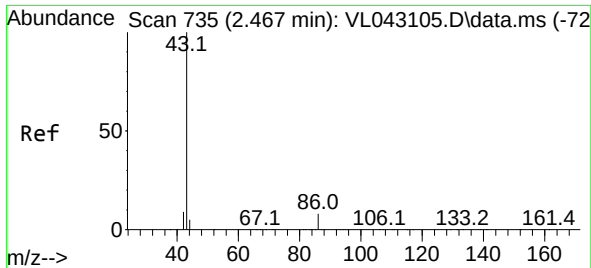
Tgt Ion: 41 Resp: 119083
 Ion Ratio Lower Upper
 41 100
 76 29.7 21.5 32.3
 39 79.4 60.8 91.2



#22
 trans-1,2-Dichloroethene
 Concen: 9.619 ppbv
 RT: 2.347 min Scan# 698
 Delta R.T. 0.003 min
 Lab File: VL043193.D
 Acq: 13 Nov 2025 10:53

Tgt Ion: 96 Resp: 79043
 Ion Ratio Lower Upper
 96 100
 61 159.2 137.0 205.6
 98 63.5 45.5 68.3

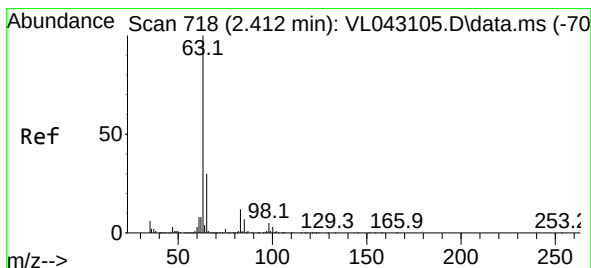
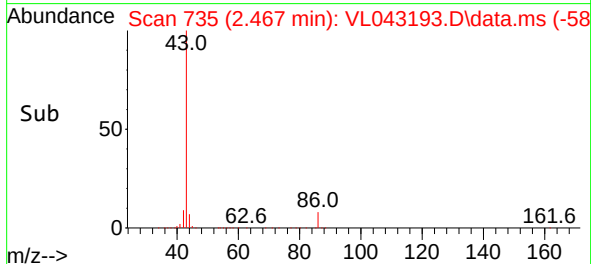
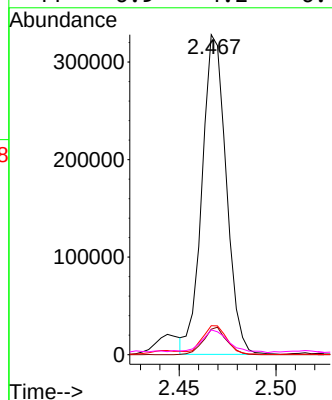
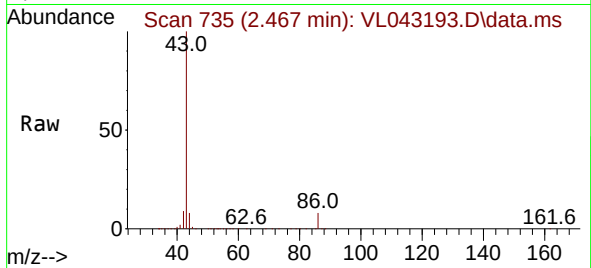




#23
 Vinyl Acetate
 Concen: 10.251 ppbv
 RT: 2.467 min Scan# 719
 Delta R.T. -0.000 min
 Lab File: VL043193.D
 Acq: 13 Nov 2025 10:53

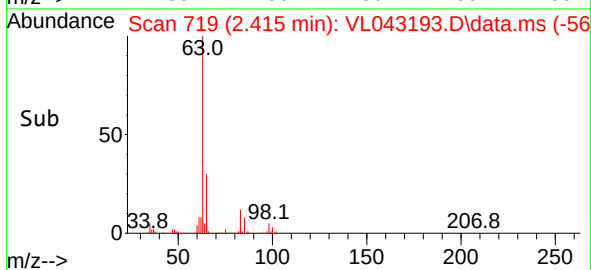
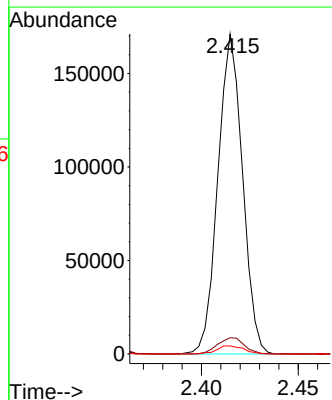
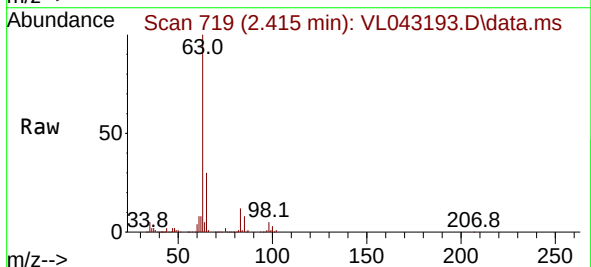
Instrument :
 MSVOA_1
 ClientSampleId :
 VL1113ABS01

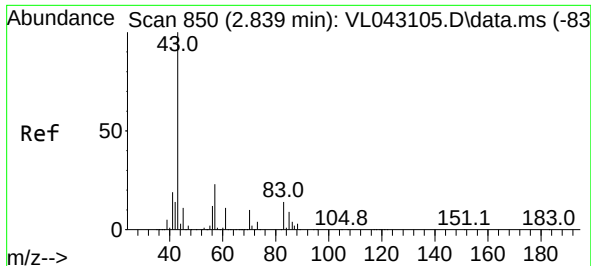
Tgt Ion:	43	Resp:	285067
Ion	Ratio	Lower	Upper
43	100		
86	8.0	6.2	9.2
42	8.9	7.6	11.4
44	6.9	4.2	6.4



#24
 1,1-Dichloroethane
 Concen: 9.509 ppbv
 RT: 2.415 min Scan# 719
 Delta R.T. 0.003 min
 Lab File: VL043193.D
 Acq: 13 Nov 2025 10:53

Tgt Ion:	63	Resp:	150976
Ion	Ratio	Lower	Upper
63	100		
98	5.0	2.6	7.8
100	2.5	1.5	4.4



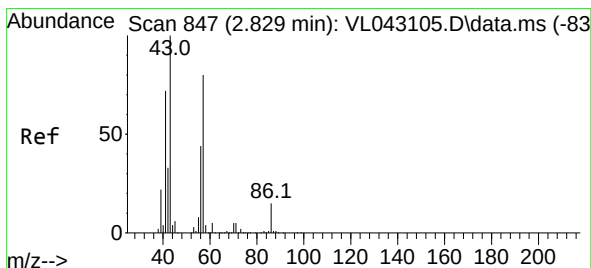
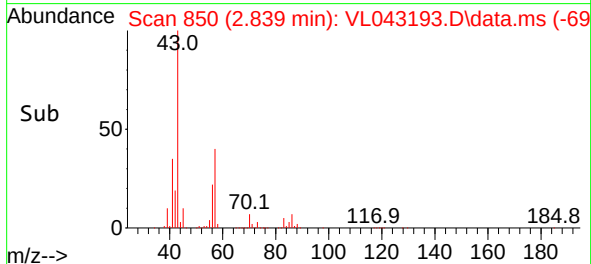
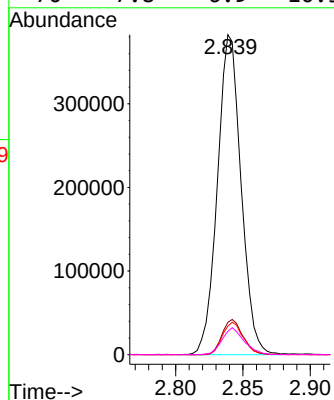
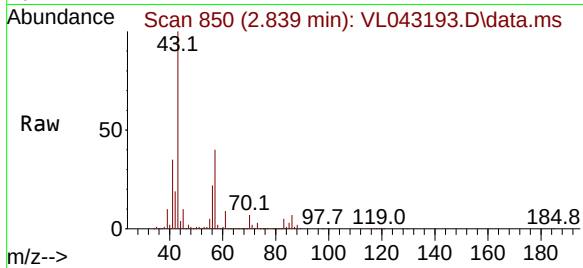


#25
Ethyl Acetate
Concen: 9.924 ppbv
RT: 2.839 min Scan# 81
Delta R.T. -0.000 min
Lab File: VL043193.D
Acq: 13 Nov 2025 10:53

Instrument :
MSVOA_L
ClientSampleId :
VL1113ABS01

Tgt Ion: 43 Resp: 467192

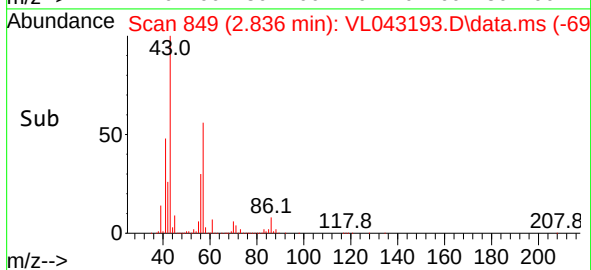
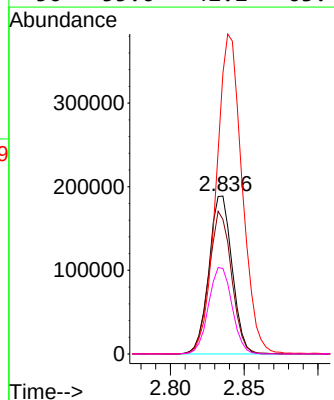
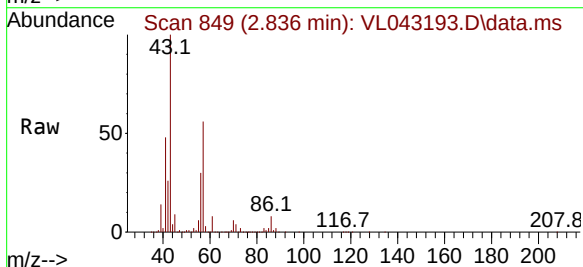
Ion	Ratio	Lower	Upper
43	100		
45	9.8	7.8	11.8
61	9.0	7.0	10.6
70	7.8	6.9	10.3

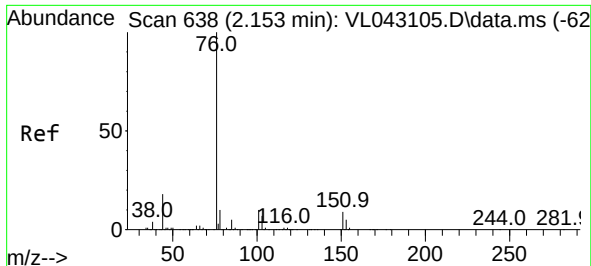


#26
Hexane
Concen: 9.502 ppbv
RT: 2.836 min Scan# 849
Delta R.T. 0.006 min
Lab File: VL043193.D
Acq: 13 Nov 2025 10:53

Tgt Ion: 57 Resp: 206119

Ion	Ratio	Lower	Upper
57	100		
41	89.0	71.4	107.0
43	227.0	178.5	267.7
56	55.6	42.2	63.4





#27

Carbon Disulfide

Concen: 9.849 ppbv

RT: 2.156 min Scan# 61

Delta R.T. 0.003 min

Lab File: VL043193.D

Acq: 13 Nov 2025 10:53

Instrument :

MSVOA_L

ClientSampleId :

VL1113ABS01

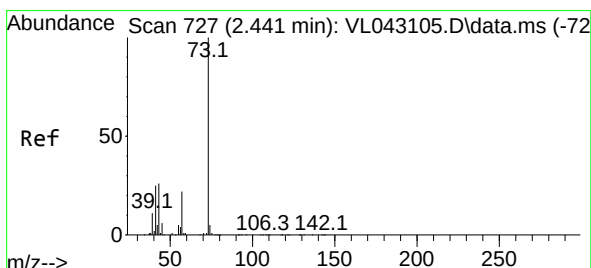
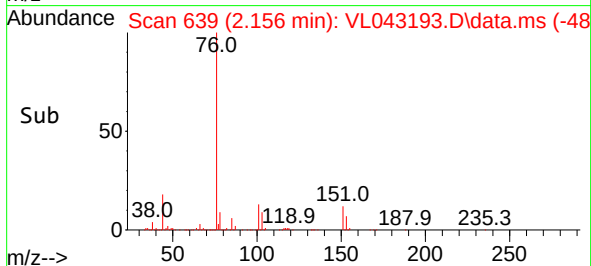
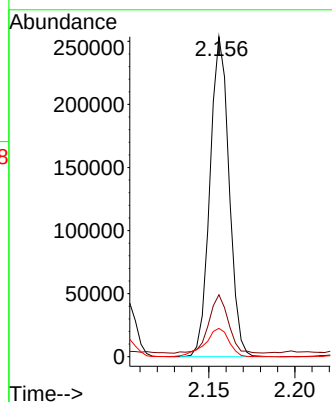
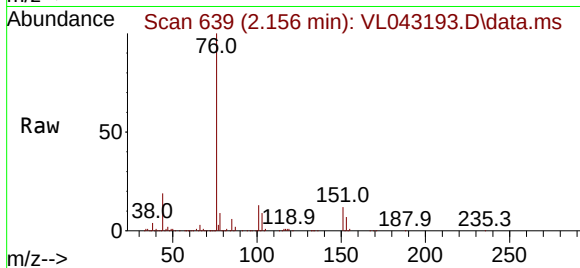
Tgt Ion: 76 Resp: 195762

Ion Ratio Lower Upper

76 100

44 19.4 16.7 25.1

78 11.1 9.3 13.9



#28

Methyl tert-Butyl Ether

Concen: 8.126 ppbv

RT: 2.444 min Scan# 728

Delta R.T. 0.003 min

Lab File: VL043193.D

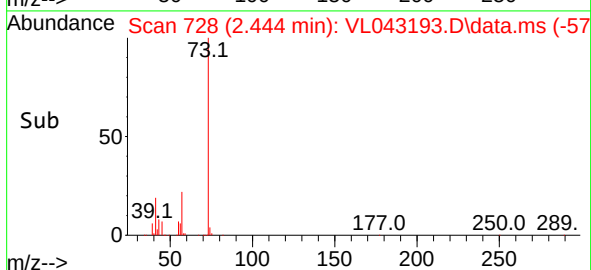
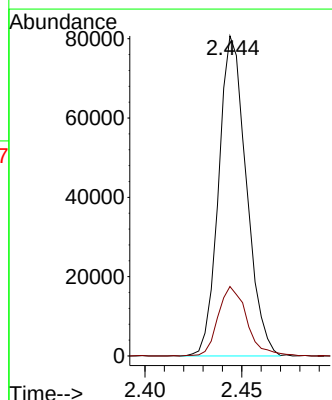
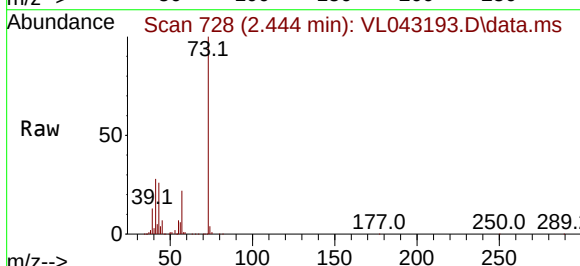
Acq: 13 Nov 2025 10:53

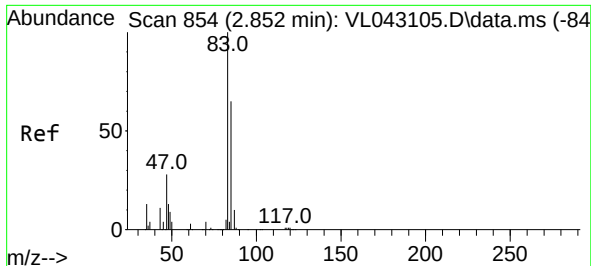
Tgt Ion: 73 Resp: 80192

Ion Ratio Lower Upper

73 100

57 22.6 20.5 30.7





#29

Chloroform

Concen: 9.837 ppbv

RT: 2.855 min Scan# 81

Delta R.T. 0.003 min

Lab File: VL043193.D

Acq: 13 Nov 2025 10:53

Instrument :

MSVOA_L

ClientSampleId :

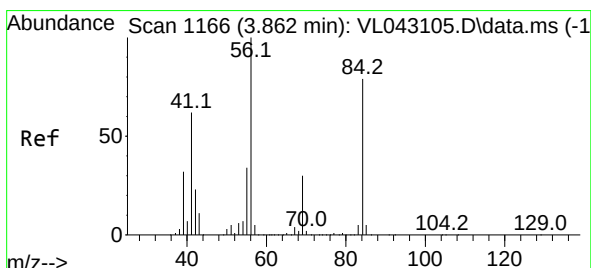
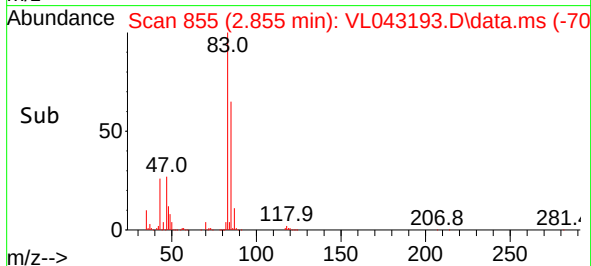
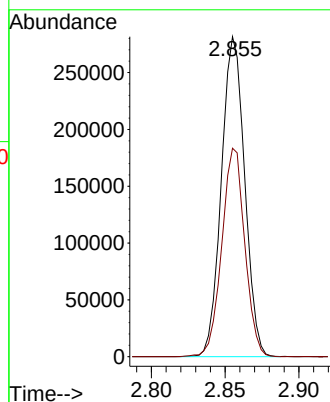
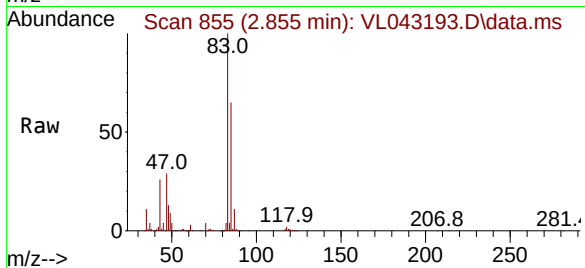
VL1113ABS01

Tgt Ion: 83 Resp: 309209

Ion Ratio Lower Upper

83 100

85 65.1 51.8 77.6



#30

Cyclohexane

Concen: 8.621 ppbv

RT: 3.868 min Scan# 1168

Delta R.T. 0.006 min

Lab File: VL043193.D

Acq: 13 Nov 2025 10:53

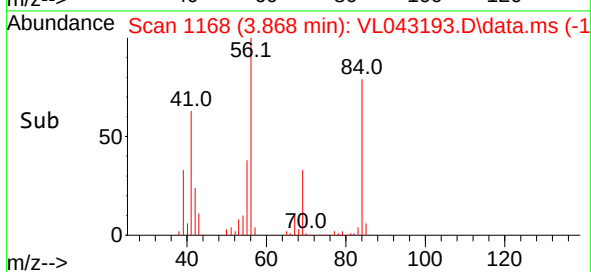
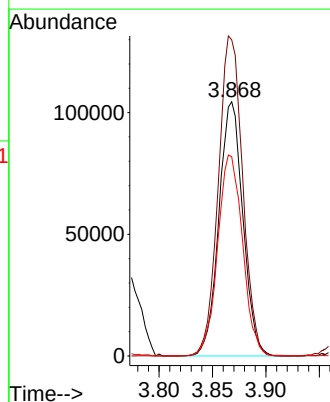
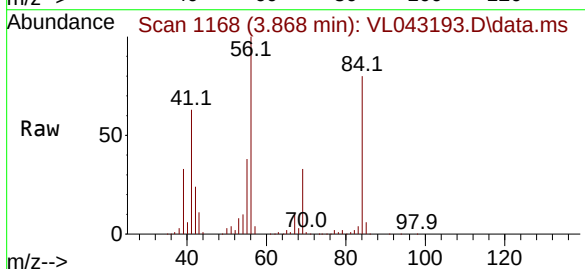
Tgt Ion: 84 Resp: 163223

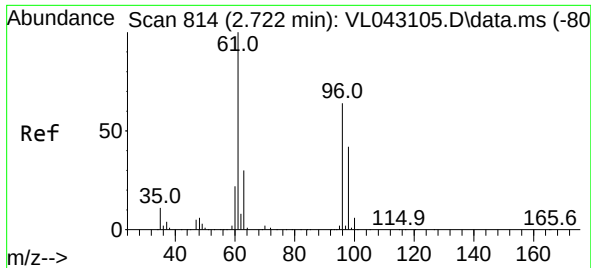
Ion Ratio Lower Upper

84 100

56 127.4 100.9 151.3

41 81.9 63.8 95.6

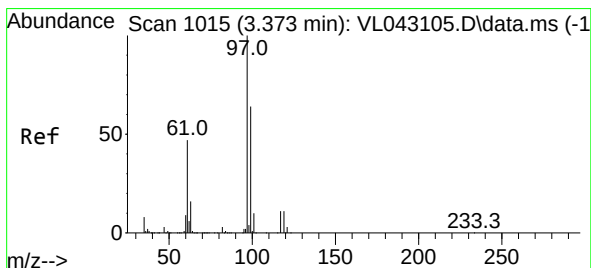
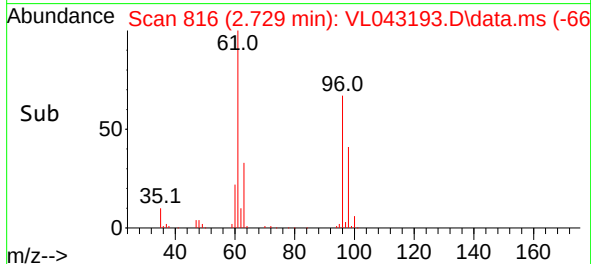
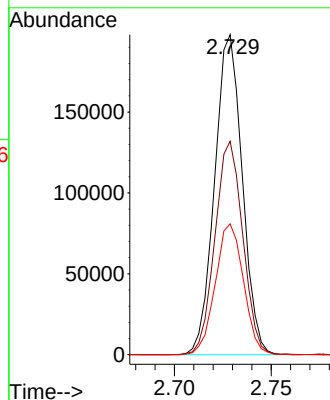
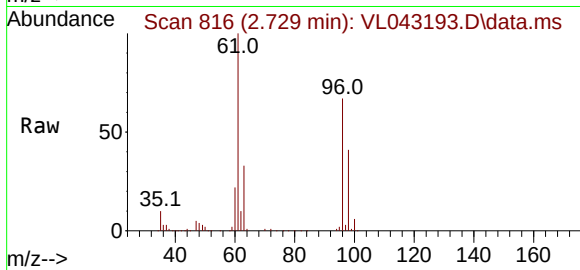




#31
 cis-1,2-Dichloroethene
 Concen: 9.489 ppbv
 RT: 2.729 min Scan# 814
 Delta R.T. 0.006 min
 Lab File: VL043193.D
 Acq: 13 Nov 2025 10:53

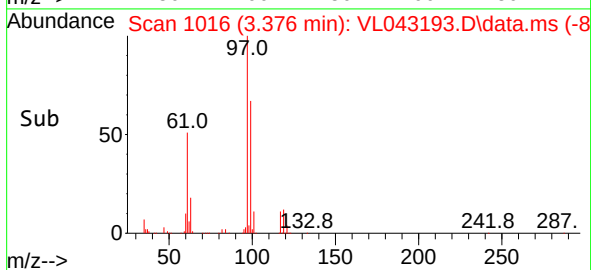
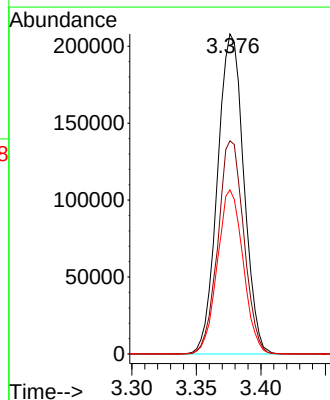
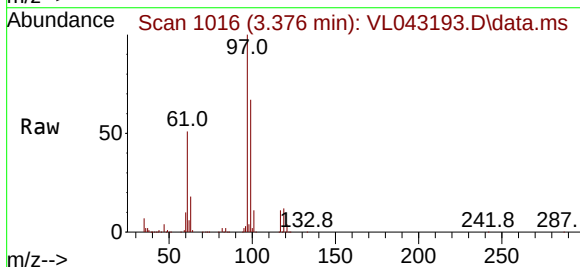
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1113ABS01

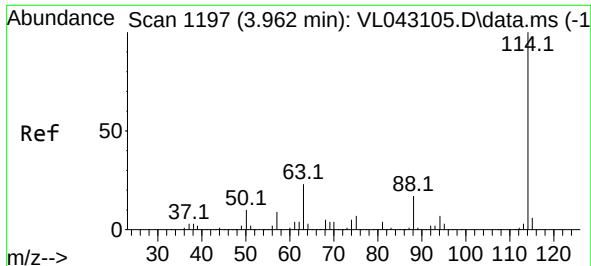
Tgt Ion: 61 Resp: 196567
 Ion Ratio Lower Upper
 61 100
 96 66.6 51.0 76.6
 98 40.9 33.5 50.3



#32
 1,1,1-Trichloroethane
 Concen: 9.005 ppbv
 RT: 3.376 min Scan# 1016
 Delta R.T. 0.003 min
 Lab File: VL043193.D
 Acq: 13 Nov 2025 10:53

Tgt Ion: 97 Resp: 294760
 Ion Ratio Lower Upper
 97 100
 99 65.6 51.3 76.9
 61 50.3 38.4 57.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.968 min Scan# 1197

Delta R.T. 0.006 min

Lab File: VL043193.D

Acq: 13 Nov 2025 10:53

Instrument :

MSVOA_1

ClientSampleId :

VL1113ABS01

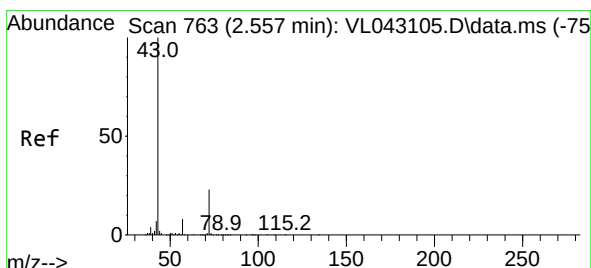
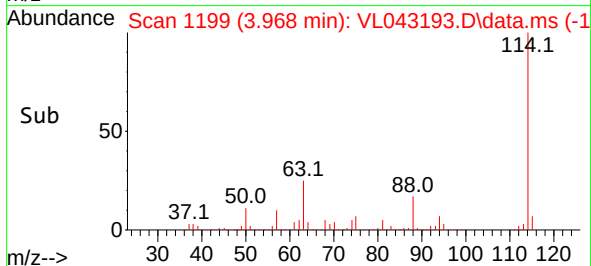
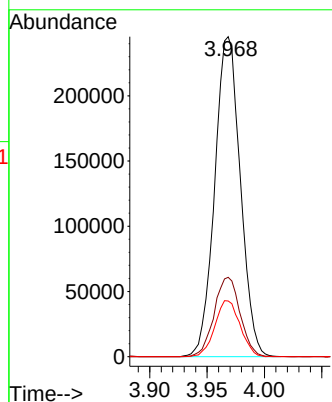
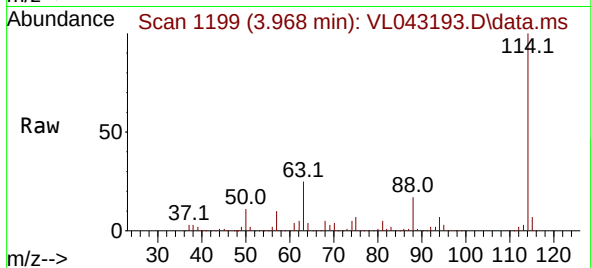
Tgt Ion:114 Resp: 381641

Ion Ratio Lower Upper

114 100

63 25.1 19.3 28.9

88 17.2 13.9 20.9



#34

2-Butanone

Concen: 11.953 ppbv

RT: 2.560 min Scan# 764

Delta R.T. 0.003 min

Lab File: VL043193.D

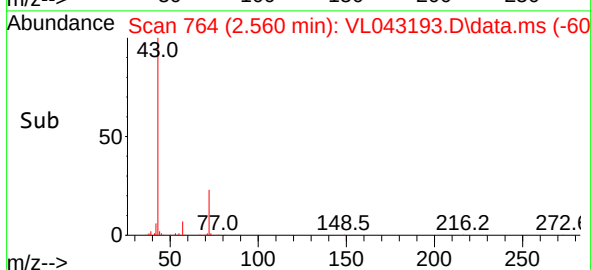
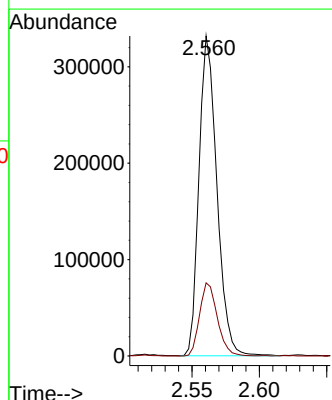
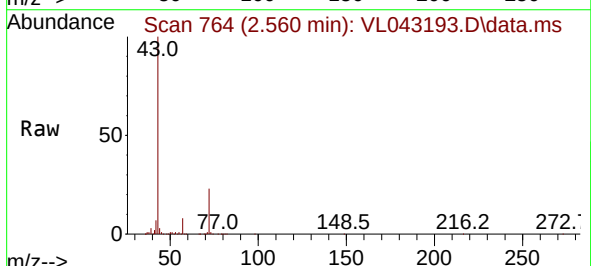
Acq: 13 Nov 2025 10:53

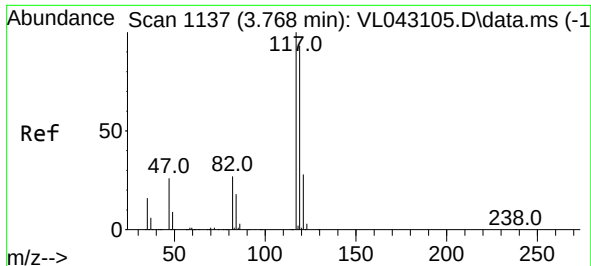
Tgt Ion: 43 Resp: 306642

Ion Ratio Lower Upper

43 100

72 22.7 18.4 27.6

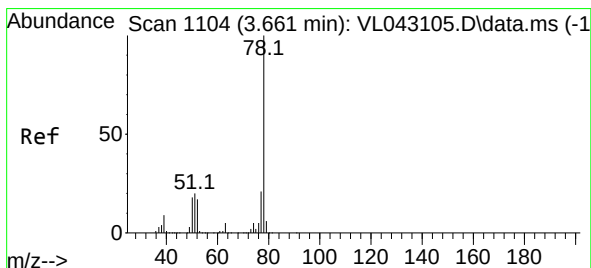
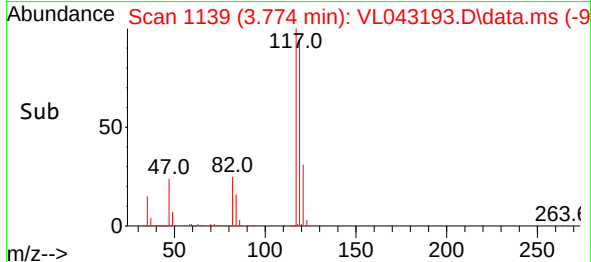
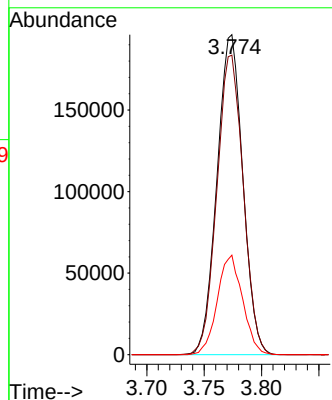
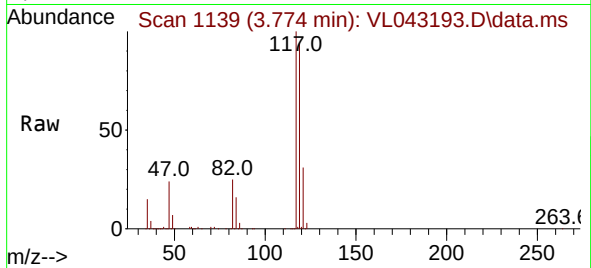




#35
Carbon Tetrachloride
Concen: 11.202 ppbv
RT: 3.774 min Scan# 1139
Delta R.T. 0.006 min
Lab File: VL043193.D
Acq: 13 Nov 2025 10:53

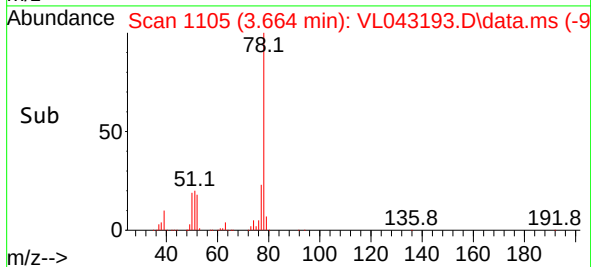
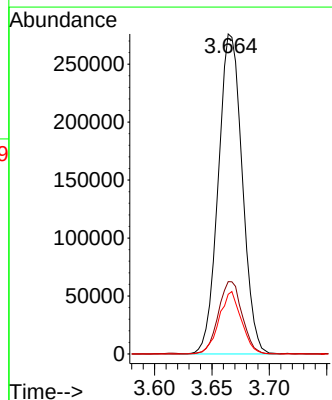
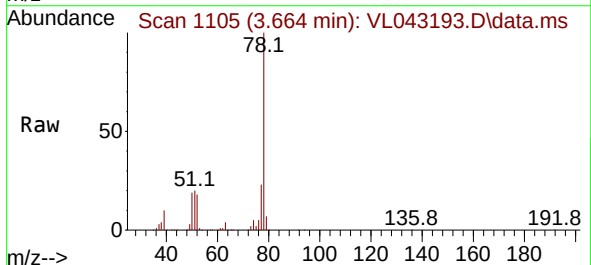
Instrument :
MSVOA_1
ClientSampleId :
VL1113ABS01

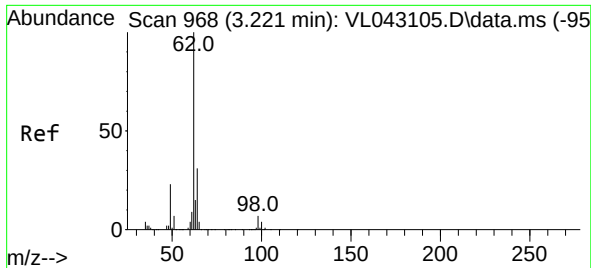
Tgt Ion:117 Resp: 307371
Ion Ratio Lower Upper
117 100
119 93.6 74.1 111.1
121 31.1 22.2 33.2



#36
Benzene
Concen: 11.159 ppbv
RT: 3.664 min Scan# 1105
Delta R.T. 0.003 min
Lab File: VL043193.D
Acq: 13 Nov 2025 10:53

Tgt Ion: 78 Resp: 401100
Ion Ratio Lower Upper
78 100
77 22.5 17.0 25.6
50 18.7 14.6 22.0





#37

1,2-Dichloroethane

Concen: 11.056 ppbv

RT: 3.224 min Scan# 9

Delta R.T. 0.003 min

Lab File: VL043193.D

Acq: 13 Nov 2025 10:53

Instrument :

MSVOA_L

ClientSampleId :

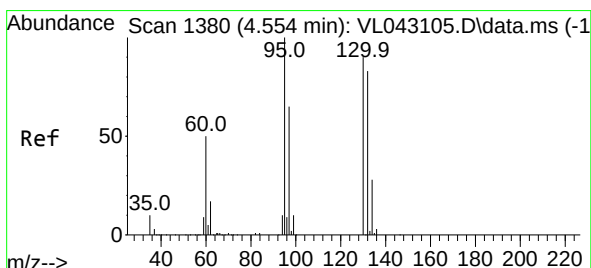
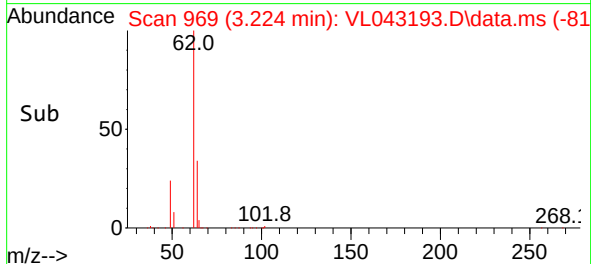
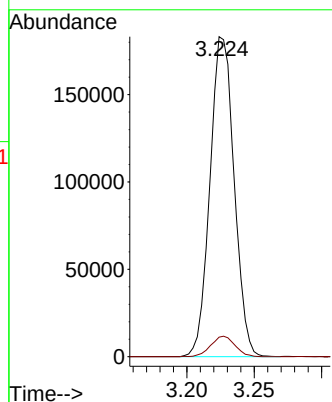
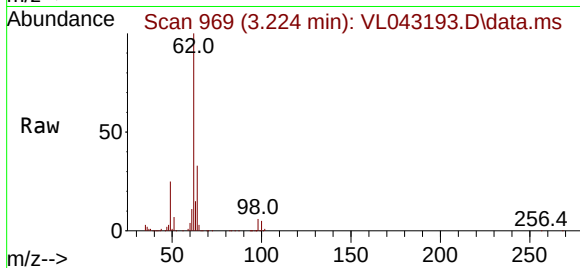
VL1113ABS01

Tgt Ion: 62 Resp: 228931

Ion Ratio Lower Upper

62 100

98 6.4 5.8 8.6



#38

Trichloroethene

Concen: 9.873 ppbv

RT: 4.561 min Scan# 1382

Delta R.T. 0.006 min

Lab File: VL043193.D

Acq: 13 Nov 2025 10:53

Tgt Ion:130 Resp: 148220

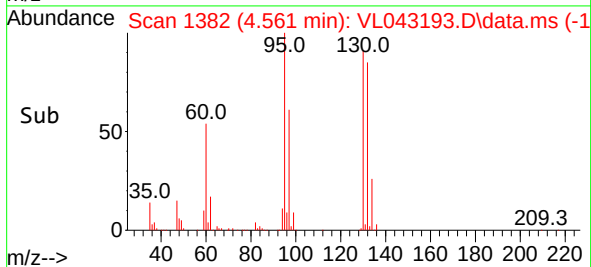
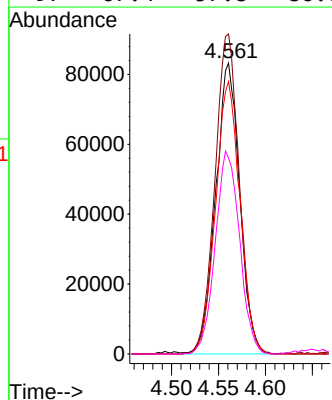
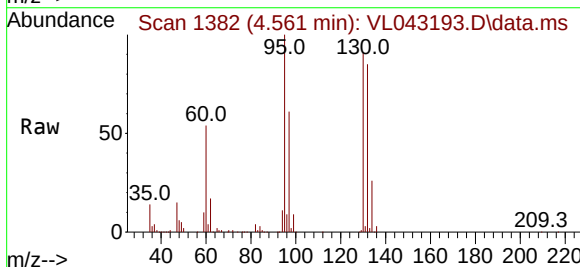
Ion Ratio Lower Upper

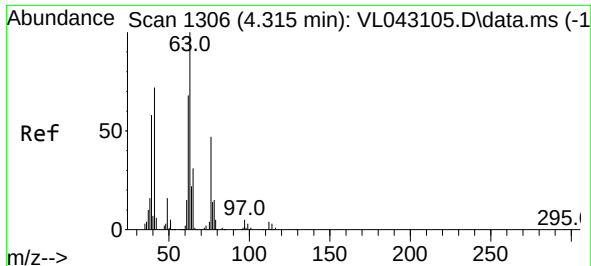
130 100

95 110.0 88.6 133.0

132 93.7 73.4 110.0

97 67.4 57.8 86.6





#39

1,2-Dichloropropane

Concen: 11.112 ppbv

RT: 4.324 min Scan# 11

Delta R.T. 0.010 min

Lab File: VL043193.D

Acq: 13 Nov 2025 10:53

Instrument :

MSVOA_L

ClientSampleId :

VL1113ABS01

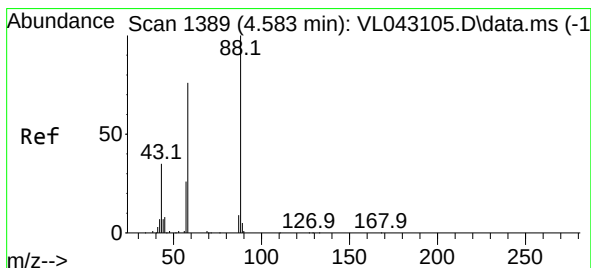
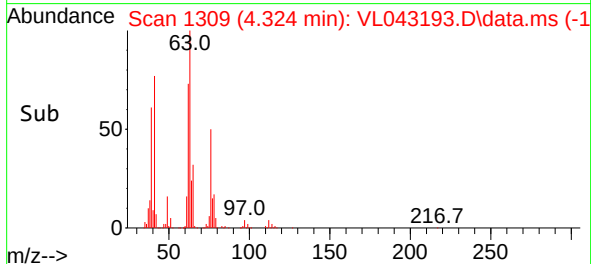
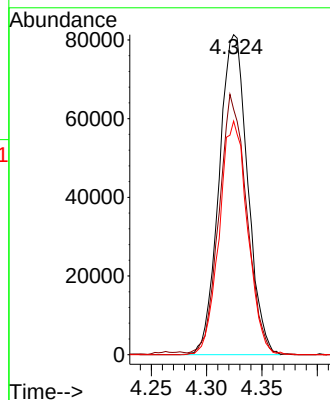
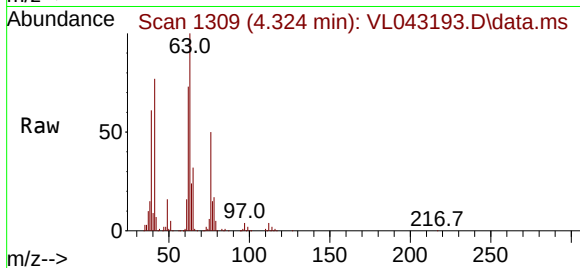
Tgt Ion: 63 Resp: 146018

Ion Ratio Lower Upper

63 100

41 76.4 58.0 87.0

62 73.0 54.7 82.1



#40

1,4-Dioxane

Concen: 10.227 ppbv

RT: 4.590 min Scan# 1391

Delta R.T. 0.006 min

Lab File: VL043193.D

Acq: 13 Nov 2025 10:53

Tgt Ion: 88 Resp: 60137

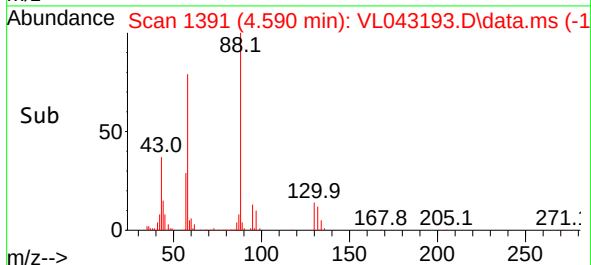
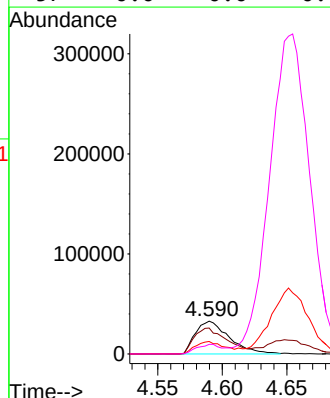
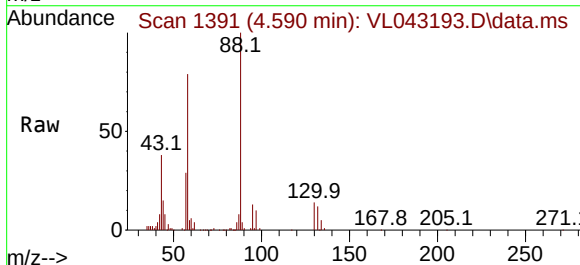
Ion Ratio Lower Upper

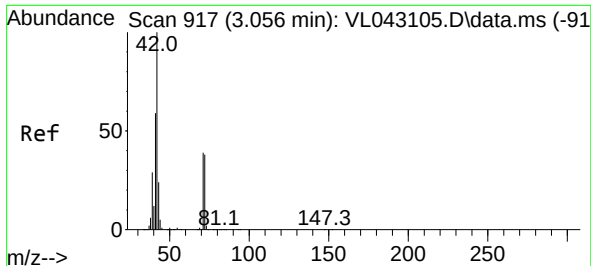
88 100

58 78.9 61.1 91.7

43 36.1 24.0 36.0#

57 0.0 0.0 0.0

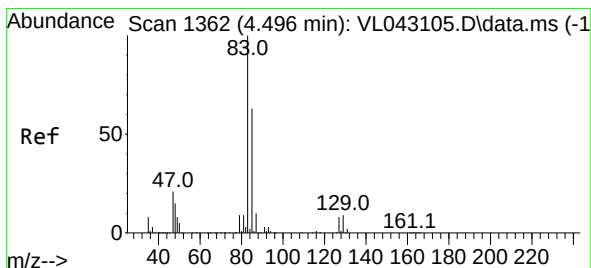
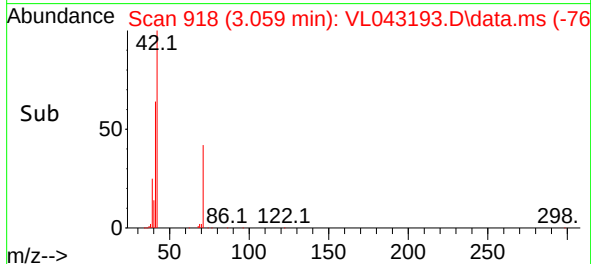
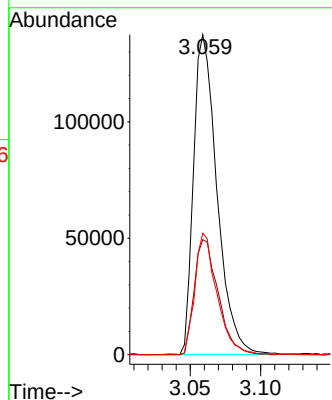
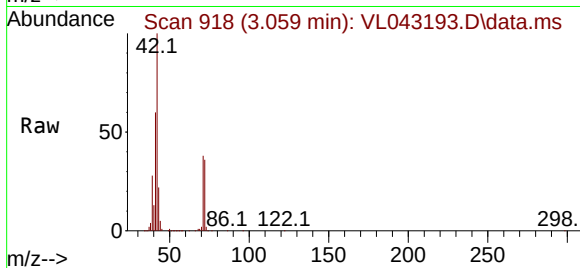




#41
Tetrahydrofuran
Concen: 11.089 ppbv
RT: 3.059 min Scan# 917
Delta R.T. 0.003 min
Lab File: VL043193.D
Acq: 13 Nov 2025 10:53

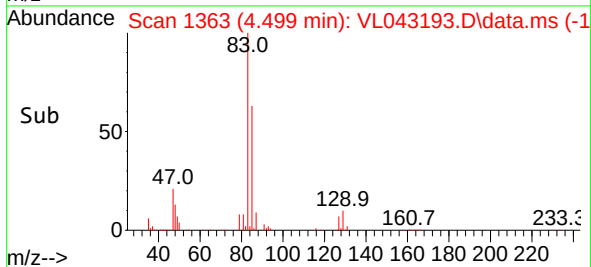
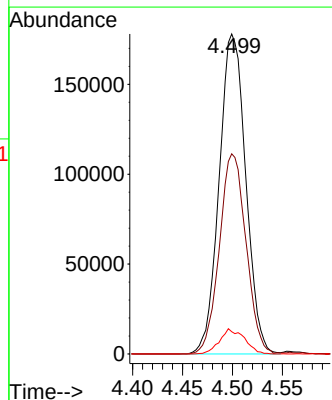
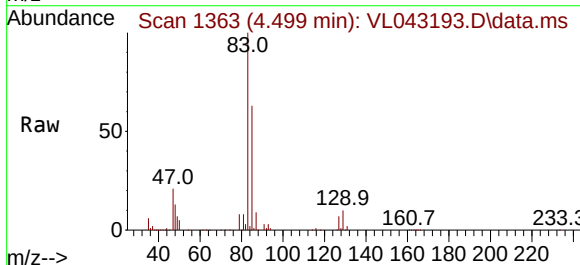
Instrument :
MSVOA_L
ClientSampleId :
VL1113ABS01

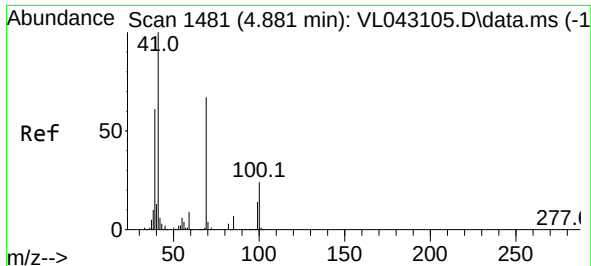
Tgt Ion: 42 Resp: 159113
Ion Ratio Lower Upper
42 100
72 36.7 31.3 46.9
71 36.0 30.4 45.6



#42
Bromodichloromethane
Concen: 11.502 ppbv
RT: 4.499 min Scan# 1363
Delta R.T. 0.003 min
Lab File: VL043193.D
Acq: 13 Nov 2025 10:53

Tgt Ion: 83 Resp: 329652
Ion Ratio Lower Upper
83 100
85 62.5 50.6 75.8
127 7.0 6.3 9.5

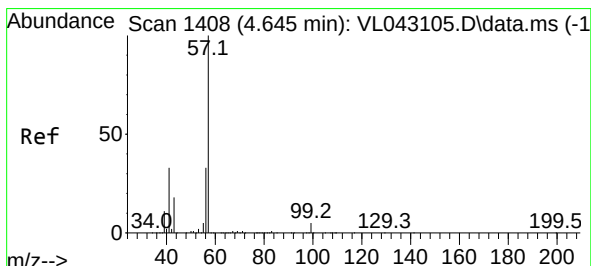
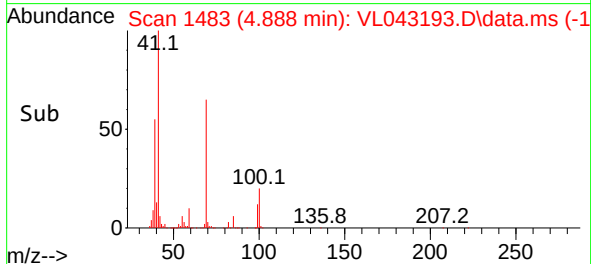
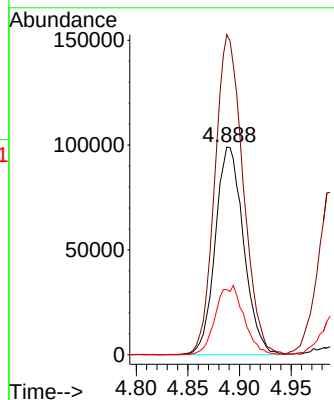
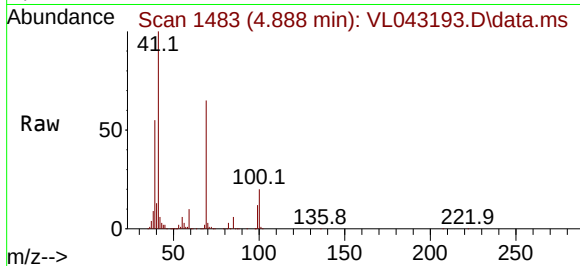




#43
Methyl Methacrylate
Concen: 10.336 ppbv
RT: 4.888 min Scan# 1411
Delta R.T. 0.006 min
Lab File: VL043193.D
Acq: 13 Nov 2025 10:53

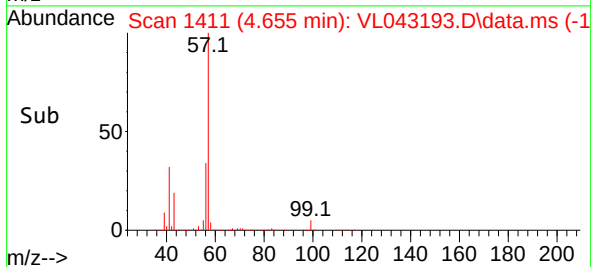
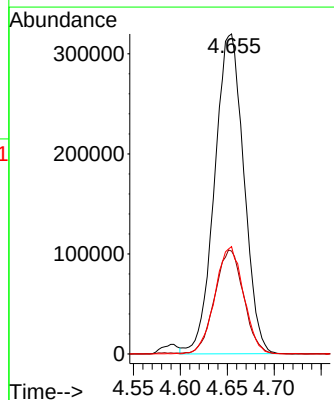
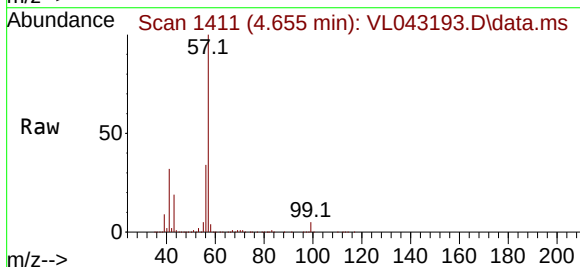
Instrument :
MSVOA_L
ClientSampleId :
VL1113ABS01

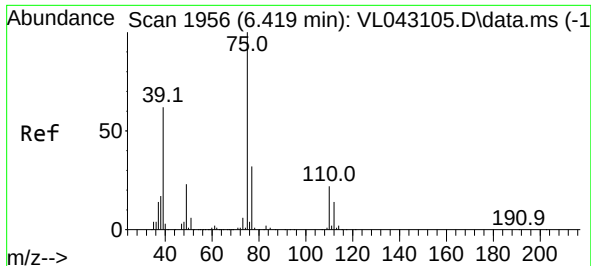
Tgt Ion: 69 Resp: 188689
Ion Ratio Lower Upper
69 100
41 154.0 120.5 180.7
100 33.4 29.0 43.4



#44
2,2,4-Trimethylpentane
Concen: 11.408 ppbv
RT: 4.655 min Scan# 1411
Delta R.T. 0.010 min
Lab File: VL043193.D
Acq: 13 Nov 2025 10:53

Tgt Ion: 57 Resp: 691827
Ion Ratio Lower Upper
57 100
41 32.6 26.3 39.5
56 33.0 25.9 38.9





#45

t-1,3-Dichloropropene

Concen: 9.588 ppbv

RT: 6.428 min Scan# 1956

Delta R.T. 0.010 min

Lab File: VL043193.D

Acq: 13 Nov 2025 10:53

Instrument :

MSVOA_L

ClientSampleId :

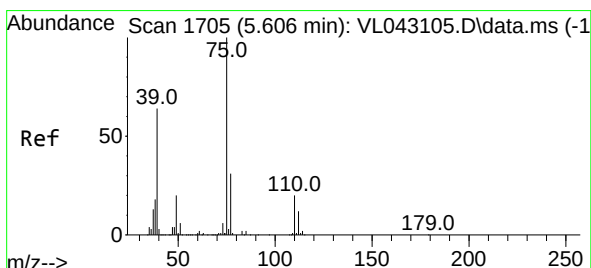
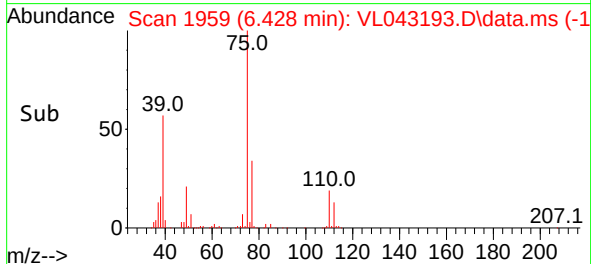
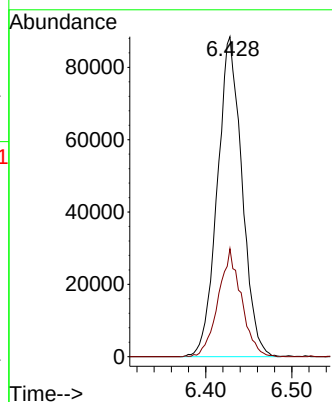
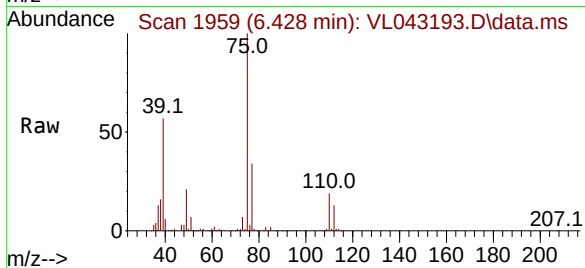
VL1113ABS01

Tgt Ion: 75 Resp: 175660

Ion Ratio Lower Upper

75 100

77 33.8 25.4 38.2



#46

cis-1,3-Dichloropropene

Concen: 10.153 ppbv

RT: 5.616 min Scan# 1708

Delta R.T. 0.010 min

Lab File: VL043193.D

Acq: 13 Nov 2025 10:53

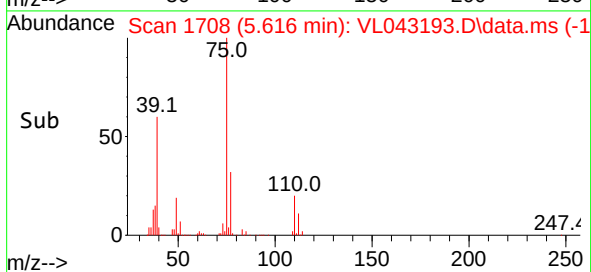
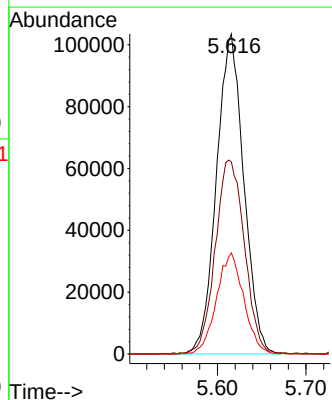
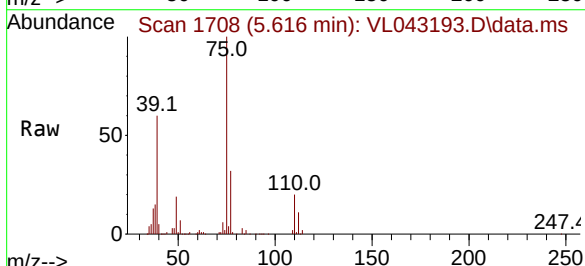
Tgt Ion: 75 Resp: 222196

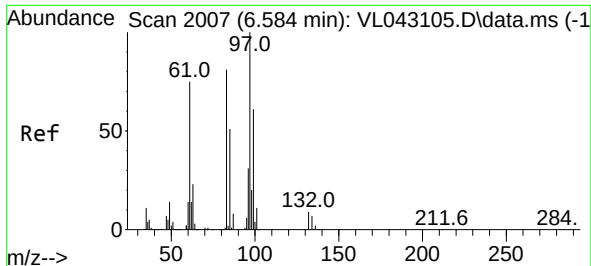
Ion Ratio Lower Upper

75 100

39 59.6 51.0 76.6

77 31.5 25.0 37.4

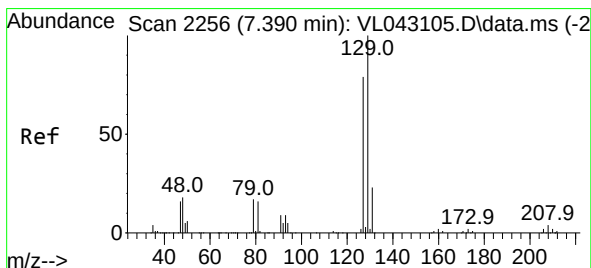
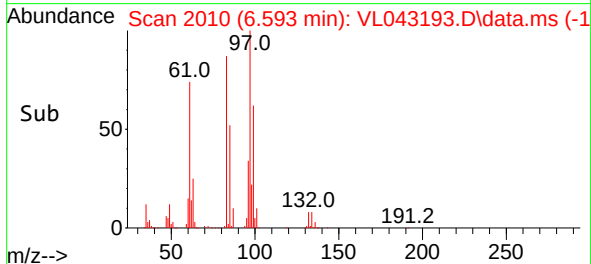
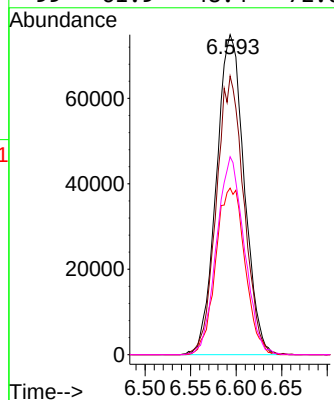
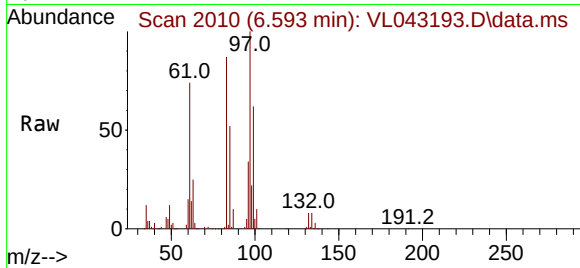




#47
1,1,2-Trichloroethane
Concen: 11.230 ppbv
RT: 6.593 min Scan# 20
Delta R.T. 0.010 min
Lab File: VL043193.D
Acq: 13 Nov 2025 10:53

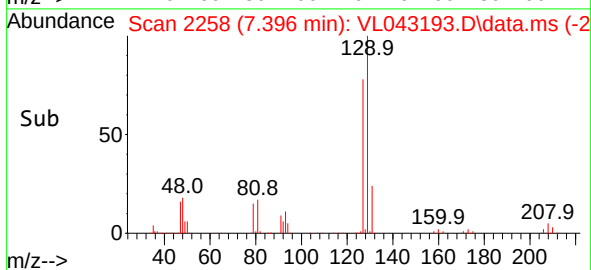
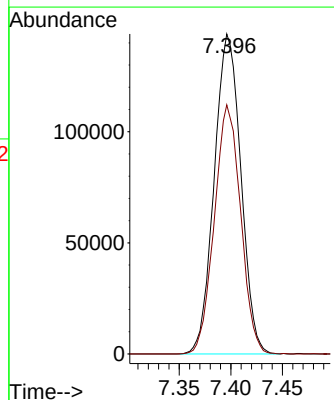
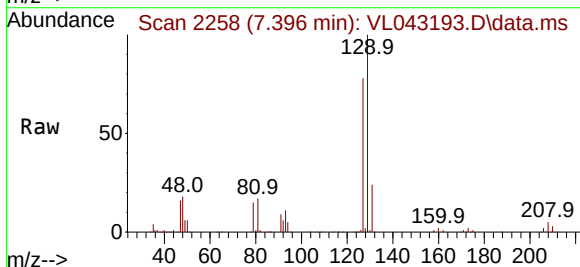
Instrument :
MSVOA_L
ClientSampleId :
VL1113ABS01

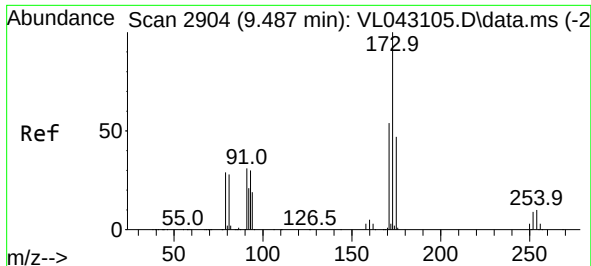
Tgt Ion: 97 Resp: 159359
Ion Ratio Lower Upper
97 100
83 87.0 64.6 96.8
85 52.1 40.6 60.8
99 61.9 48.4 72.6



#48
Dibromochloromethane
Concen: 10.903 ppbv
RT: 7.396 min Scan# 2258
Delta R.T. 0.006 min
Lab File: VL043193.D
Acq: 13 Nov 2025 10:53

Tgt Ion: 129 Resp: 258701
Ion Ratio Lower Upper
129 100
127 76.7 39.3 117.9

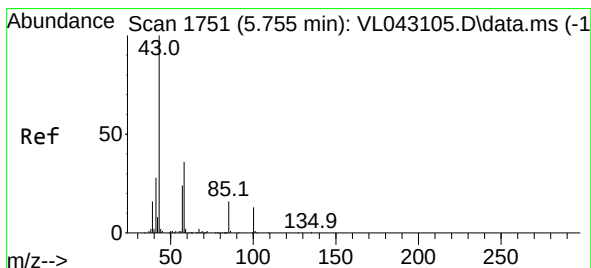
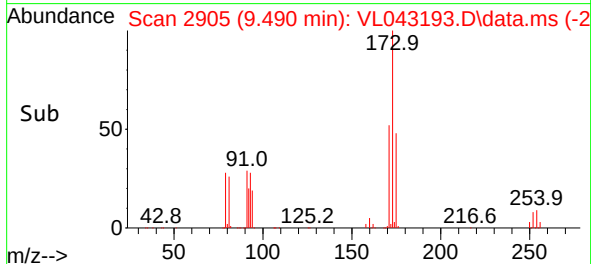
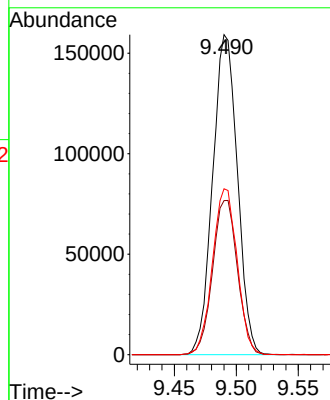
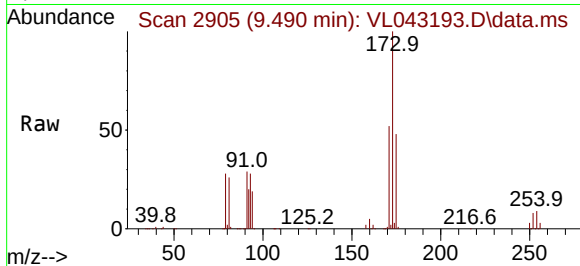




#49
Bromoform
Concen: 11.491 ppbv
RT: 9.490 min Scan# 2904
Delta R.T. 0.003 min
Lab File: VL043193.D
Acq: 13 Nov 2025 10:53

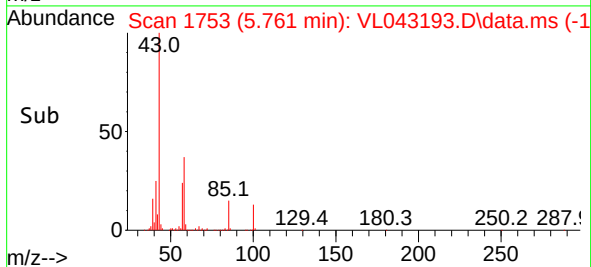
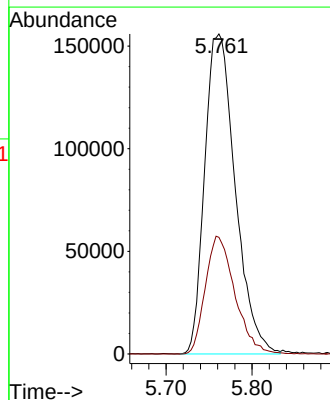
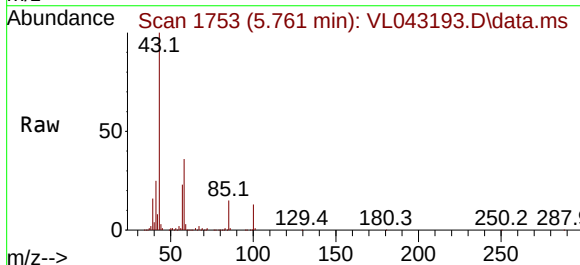
Instrument :
MSVOA_L
ClientSampleId :
VL1113ABS01

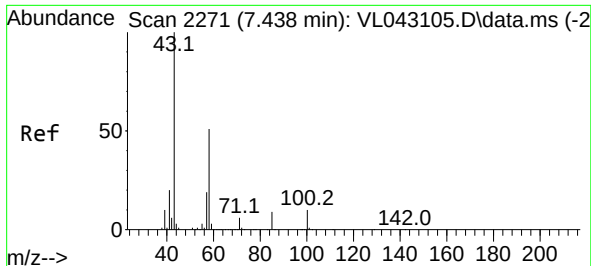
Tgt Ion:173 Resp: 221619
Ion Ratio Lower Upper
173 100
175 48.6 38.8 58.2
171 51.6 41.7 62.5



#50
4-Methyl-2-Pentanone
Concen: 10.877 ppbv
RT: 5.761 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VL043193.D
Acq: 13 Nov 2025 10:53

Tgt Ion: 43 Resp: 385105
Ion Ratio Lower Upper
43 100
58 35.6 29.1 43.7

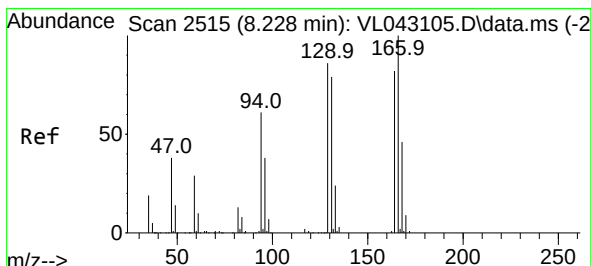
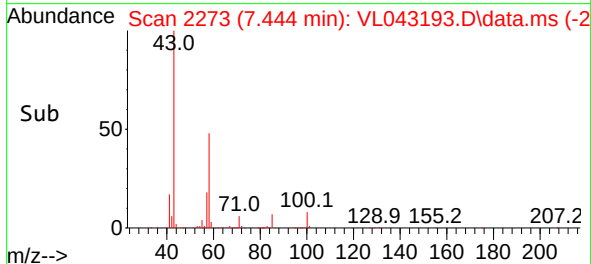
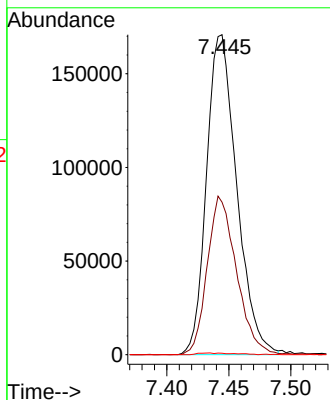
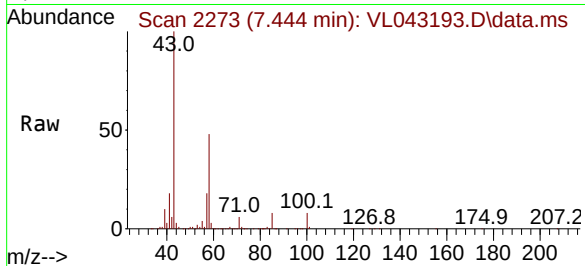




#51
2-Hexanone
Concen: 10.918 ppbv
RT: 7.444 min Scan# 211
Delta R.T. 0.006 min
Lab File: VL043193.D
Acq: 13 Nov 2025 10:53

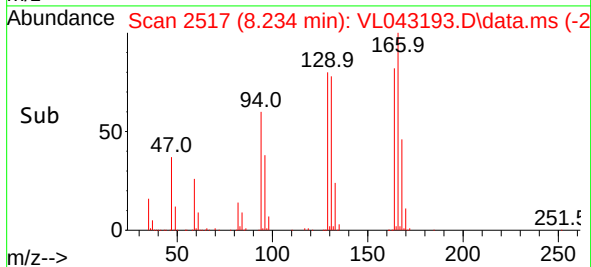
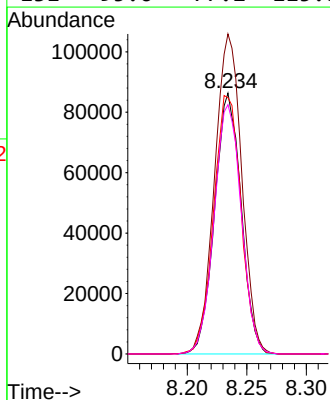
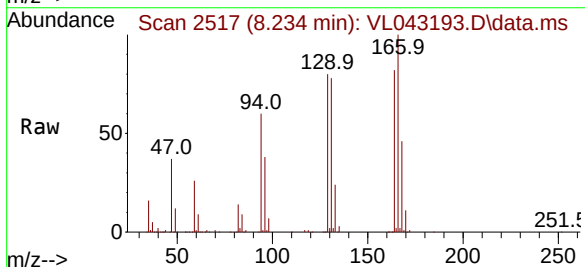
Instrument :
MSVOA_L
ClientSampleId :
VL1113ABS01

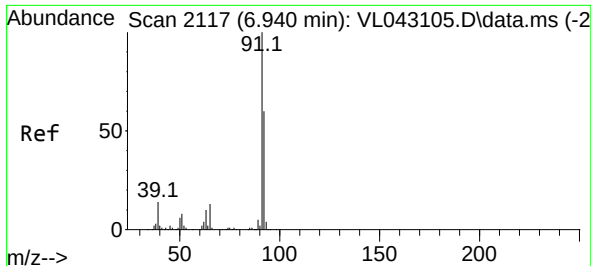
Tgt Ion: 43 Resp: 289935
Ion Ratio Lower Upper
43 100
58 48.2 40.4 60.6
98 0.7 0.1 0.1#



#52
Tetrachloroethene
Concen: 10.279 ppbv
RT: 8.234 min Scan# 2517
Delta R.T. 0.006 min
Lab File: VL043193.D
Acq: 13 Nov 2025 10:53

Tgt Ion:164 Resp: 133238
Ion Ratio Lower Upper
164 100
166 122.7 97.6 146.4
129 98.3 84.5 126.7
131 95.6 77.2 115.8

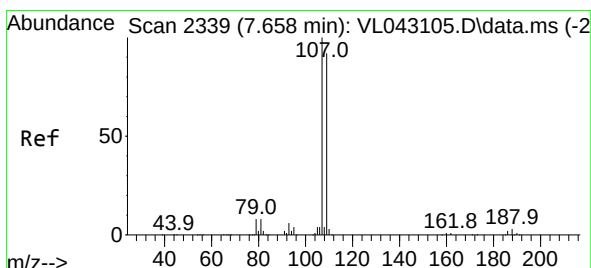
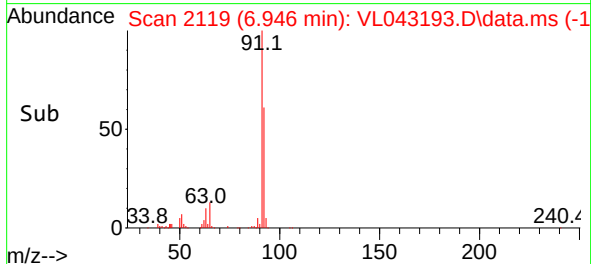
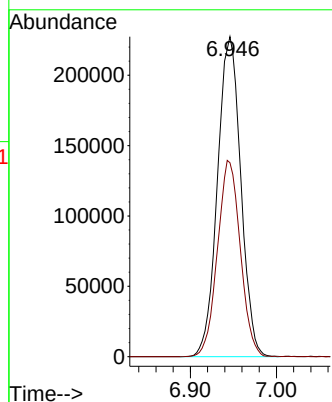
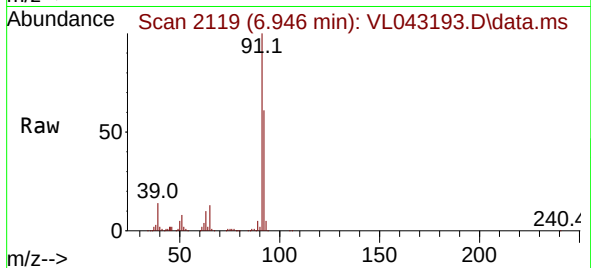




#53
Toluene
Concen: 10.051 ppbv
RT: 6.946 min Scan# 2117
Delta R.T. 0.006 min
Lab File: VL043193.D
Acq: 13 Nov 2025 10:53

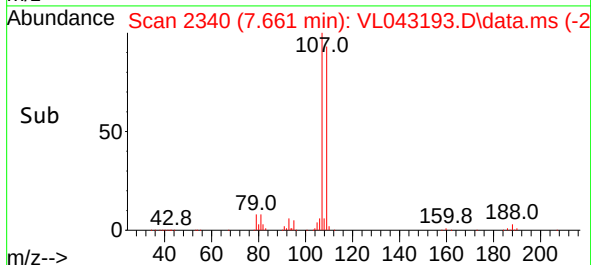
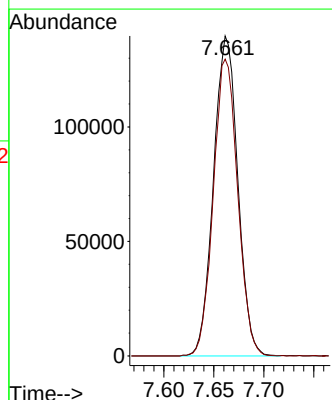
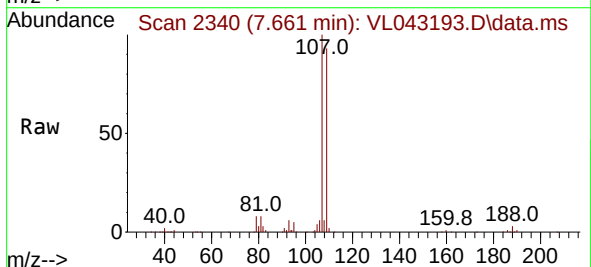
Instrument :
MSVOA_L
ClientSampleId :
VL1113ABS01

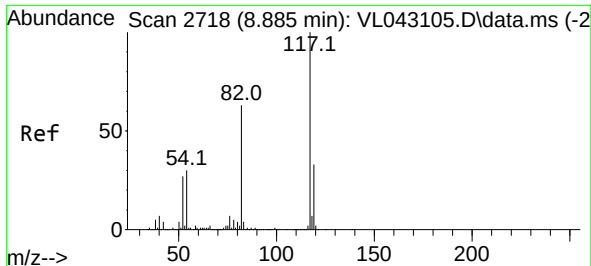
Tgt Ion: 91 Resp: 428768
Ion Ratio Lower Upper
91 100
92 60.0 48.8 73.2



#54
1,2-Dibromoethane
Concen: 10.633 ppbv
RT: 7.661 min Scan# 2340
Delta R.T. 0.003 min
Lab File: VL043193.D
Acq: 13 Nov 2025 10:53

Tgt Ion: 107 Resp: 236351
Ion Ratio Lower Upper
107 100
109 92.8 73.4 110.2

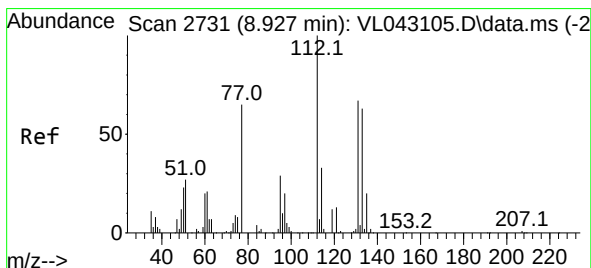
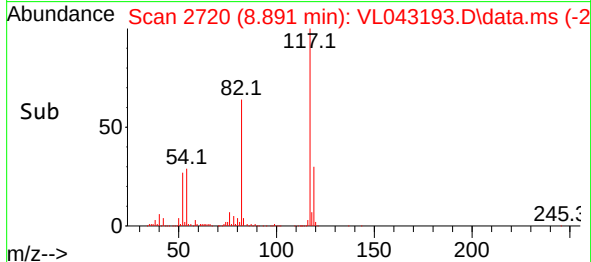
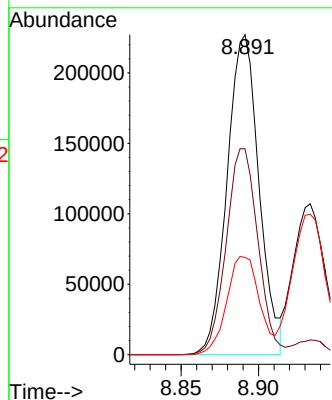
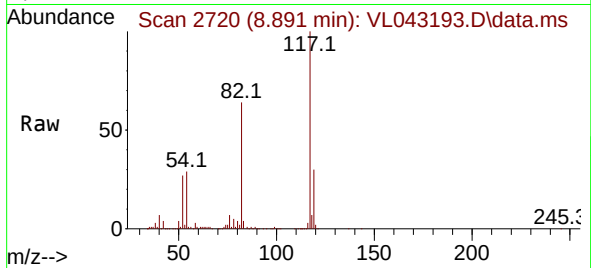




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.891 min Scan# 2718
Delta R.T. 0.006 min
Lab File: VL043193.D
Acq: 13 Nov 2025 10:53

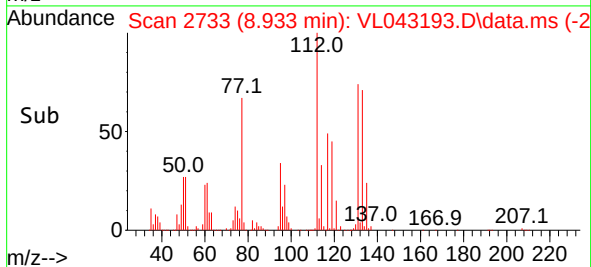
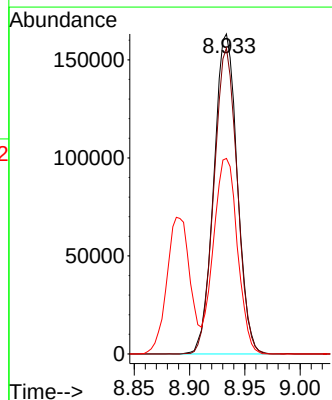
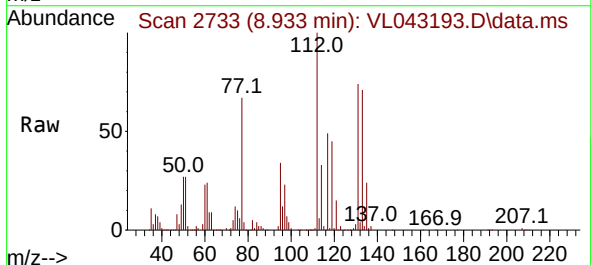
Instrument :
MSVOA_1
ClientSampleId :
VL1113ABS01

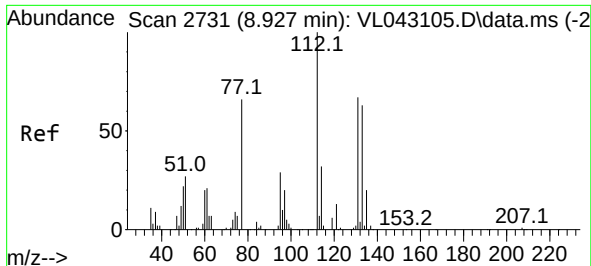
Tgt Ion:117 Resp: 326347
Ion Ratio Lower Upper
117 100
82 68.6 53.8 80.8
119 32.9 25.4 38.0



#56
1,1,1,2-Tetrachloroethane
Concen: 11.670 ppbv
RT: 8.933 min Scan# 2733
Delta R.T. 0.006 min
Lab File: VL043193.D
Acq: 13 Nov 2025 10:53

Tgt Ion:131 Resp: 240077
Ion Ratio Lower Upper
131 100
133 94.8 75.7 113.5
119 63.4 50.6 76.0

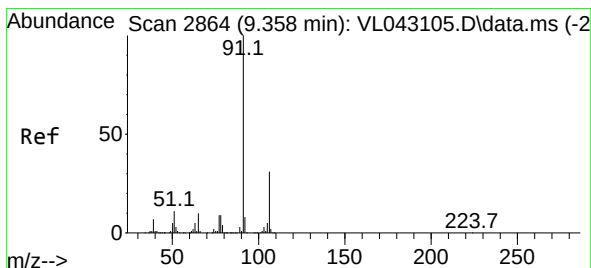
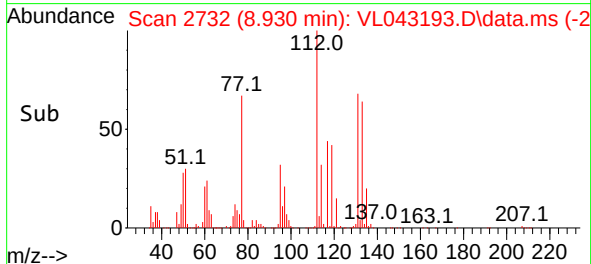
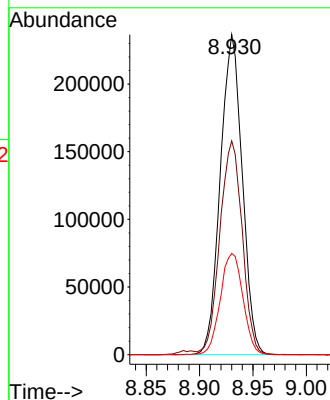
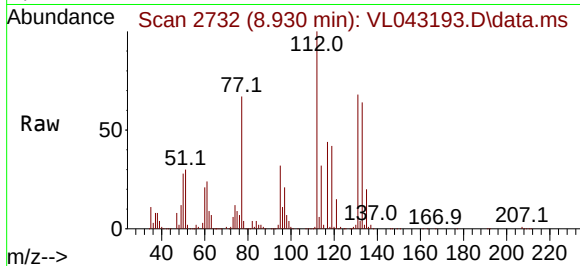




#57
Chlorobenzene
Concen: 11.058 ppbv
RT: 8.930 min Scan# 211
Delta R.T. 0.003 min
Lab File: VL043193.D
Acq: 13 Nov 2025 10:53

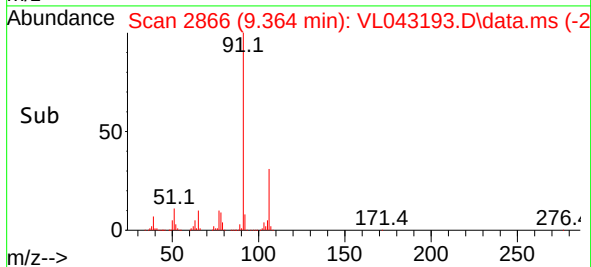
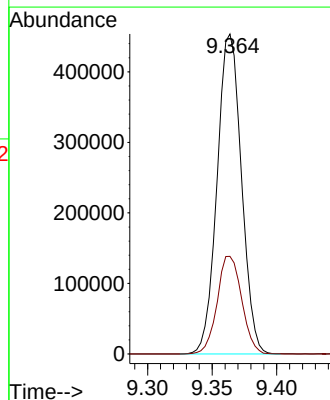
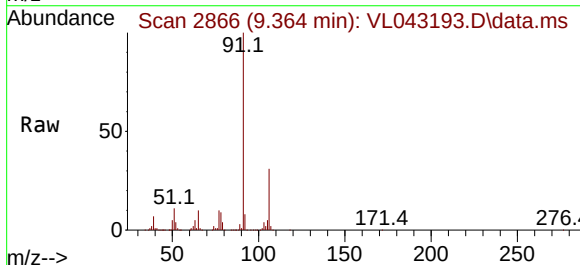
Instrument :
MSVOA_1
ClientSampleId :
VL1113ABS01

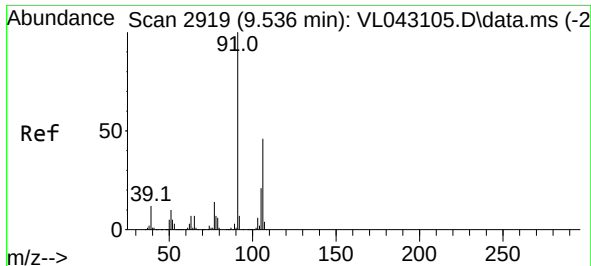
Tgt Ion:112 Resp: 337602
Ion Ratio Lower Upper
112 100
77 66.7 53.3 79.9
114 31.7 29.3 35.8



#58
Ethyl Benzene
Concen: 10.613 ppbv
RT: 9.364 min Scan# 2866
Delta R.T. 0.006 min
Lab File: VL043193.D
Acq: 13 Nov 2025 10:53

Tgt Ion: 91 Resp: 594417
Ion Ratio Lower Upper
91 100
106 30.5 24.8 37.2

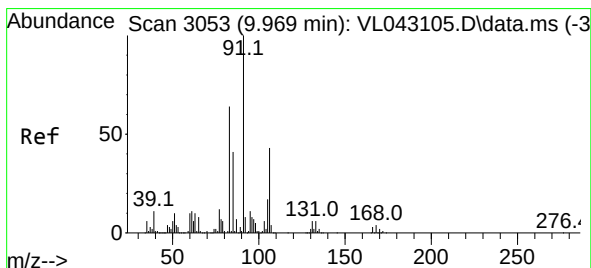
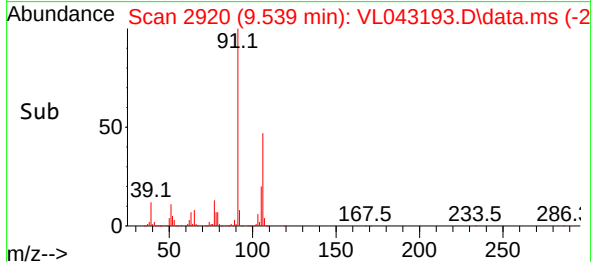
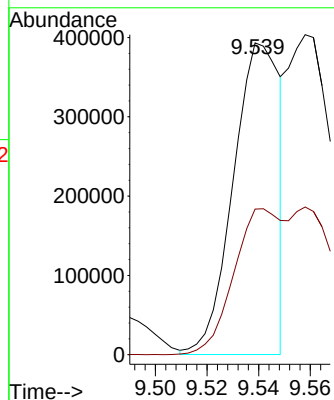
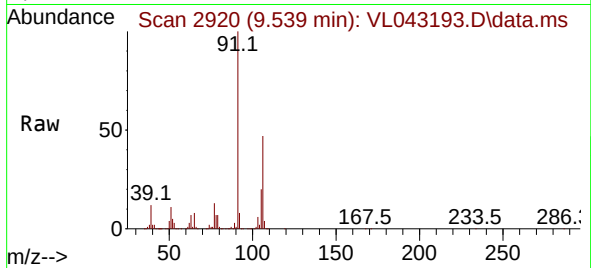




#59
m/p-Xylene
Concen: 10.976 ppbv
RT: 9.539 min Scan# 2919
Delta R.T. 0.003 min
Lab File: VL043193.D
Acq: 13 Nov 2025 10:53

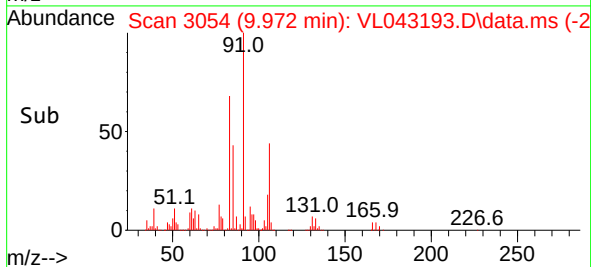
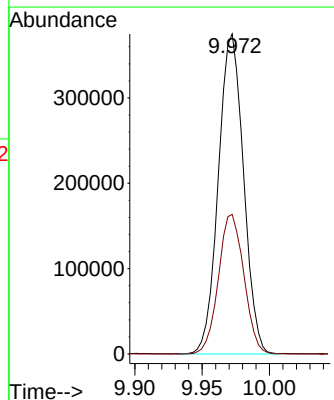
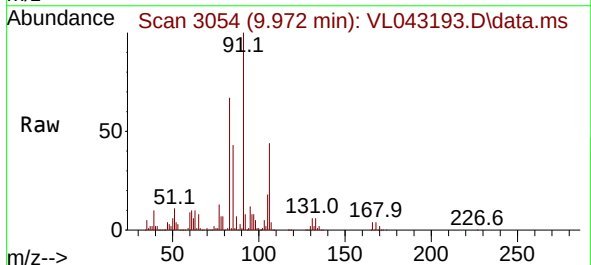
Instrument :
MSVOA_1
ClientSampleId :
VL1113ABS01

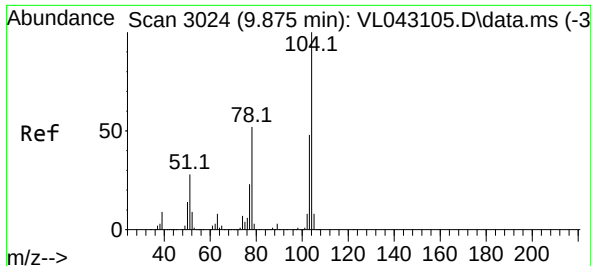
Tgt Ion: 91 Resp: 490348
Ion Ratio Lower Upper
91 100
106 0.0 38.0 57.0#



#60
o-Xylene
Concen: 11.039 ppbv
RT: 9.972 min Scan# 3054
Delta R.T. 0.003 min
Lab File: VL043193.D
Acq: 13 Nov 2025 10:53

Tgt Ion: 91 Resp: 487054
Ion Ratio Lower Upper
91 100
106 44.1 21.9 65.8

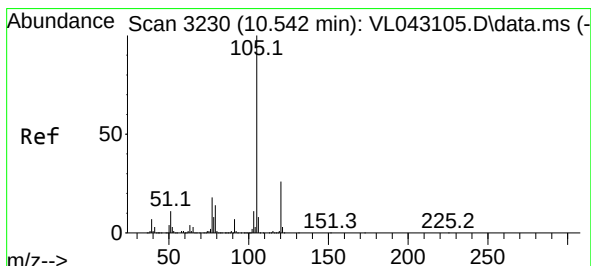
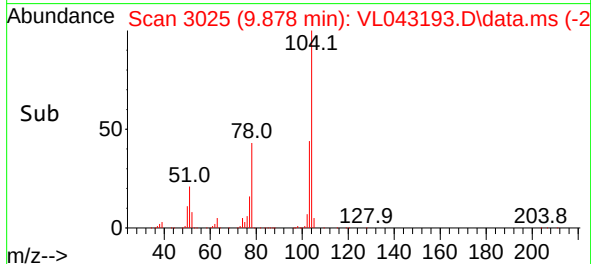
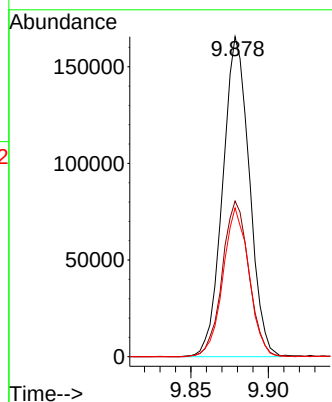
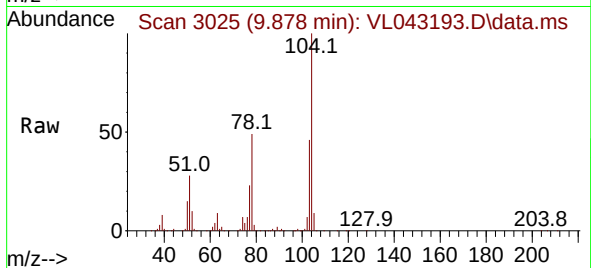




#61
Styrene
Concen: 9.947 ppbv
RT: 9.878 min Scan# 3024
Delta R.T. 0.003 min
Lab File: VL043193.D
Acq: 13 Nov 2025 10:53

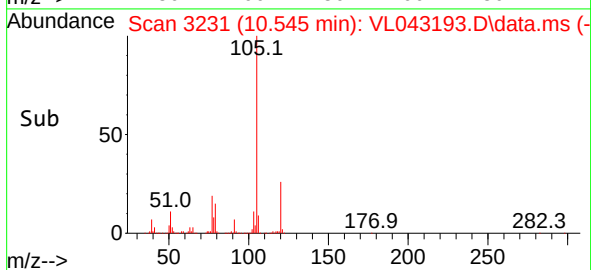
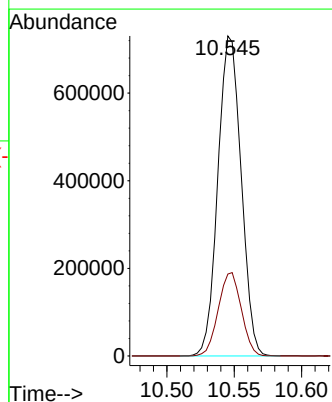
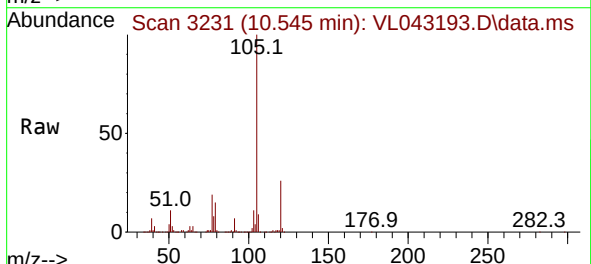
Instrument :
MSVOA_1
ClientSampleId :
VL1113ABS01

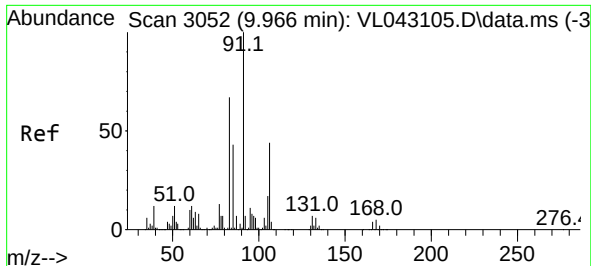
Tgt Ion:104 Resp: 198117
Ion Ratio Lower Upper
104 100
78 48.8 40.2 60.2
103 45.5 36.9 55.3



#62
Isopropylbenzene
Concen: 10.988 ppbv
RT: 10.545 min Scan# 3231
Delta R.T. 0.003 min
Lab File: VL043193.D
Acq: 13 Nov 2025 10:53

Tgt Ion:105 Resp: 876032
Ion Ratio Lower Upper
105 100
120 25.8 20.2 30.4





#63

1,1,2,2-Tetrachloroethane

Concen: 11.343 ppbv

RT: 9.969 min Scan# 3052

Delta R.T. 0.003 min

Lab File: VL043193.D

Acq: 13 Nov 2025 10:53

Instrument :

MSVOA_1

ClientSampleId :

VL1113ABS01

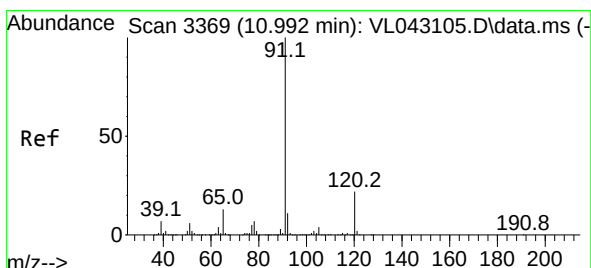
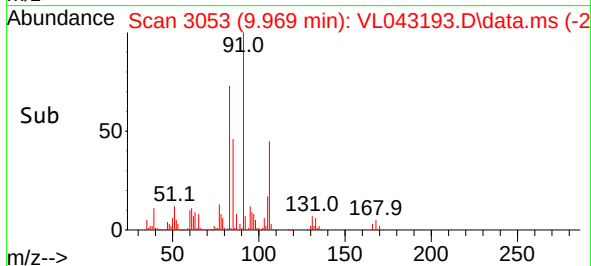
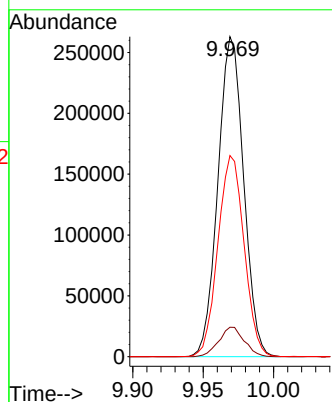
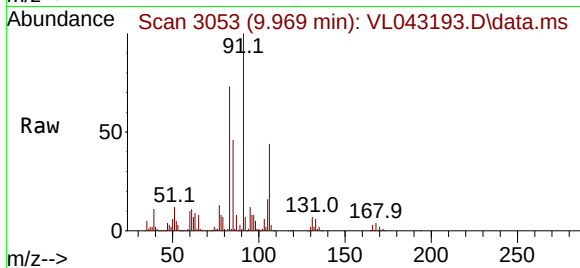
Tgt Ion: 83 Resp: 335111

Ion Ratio Lower Upper

83 100

131 9.1 4.8 14.3

85 64.1 32.0 96.0



#64

n-propylbenzene

Concen: 10.845 ppbv

RT: 10.995 min Scan# 3370

Delta R.T. 0.003 min

Lab File: VL043193.D

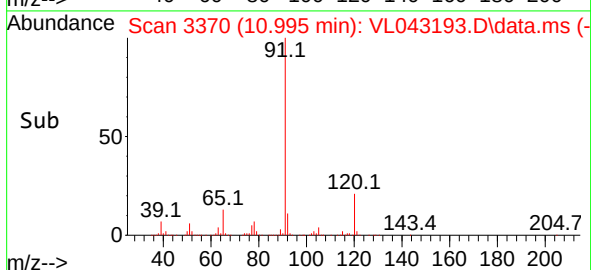
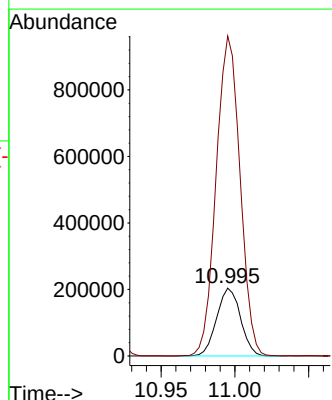
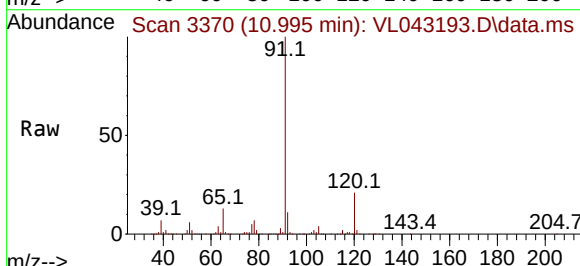
Acq: 13 Nov 2025 10:53

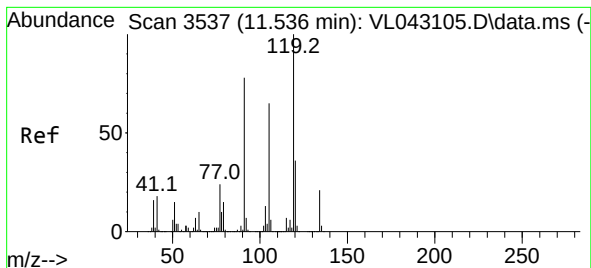
Tgt Ion: 120 Resp: 228911

Ion Ratio Lower Upper

120 100

91 474.6 361.6 542.4

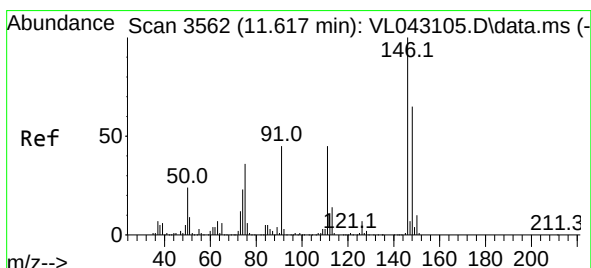
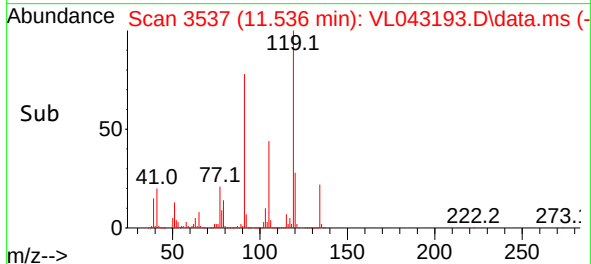
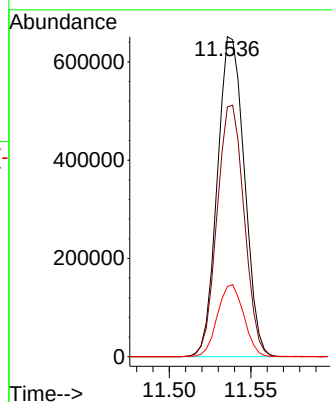
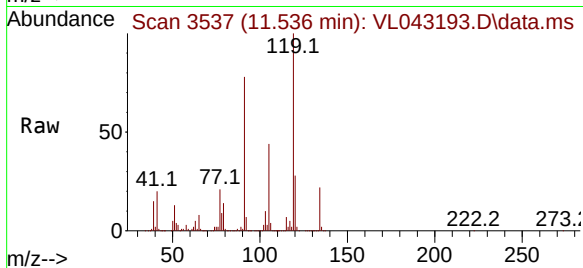




#65
tert-Butylbenzene
Concen: 10.665 ppbv
RT: 11.536 min Scan# 3537
Delta R.T. -0.000 min
Lab File: VL043193.D
Acq: 13 Nov 2025 10:53

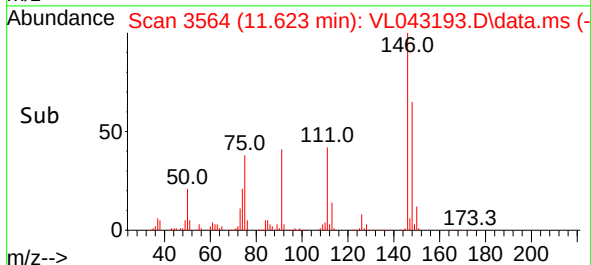
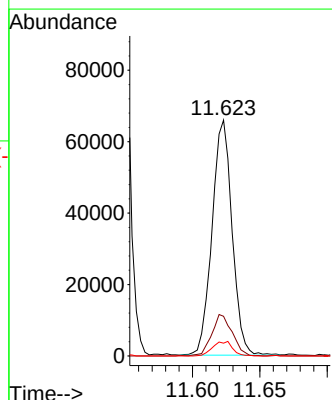
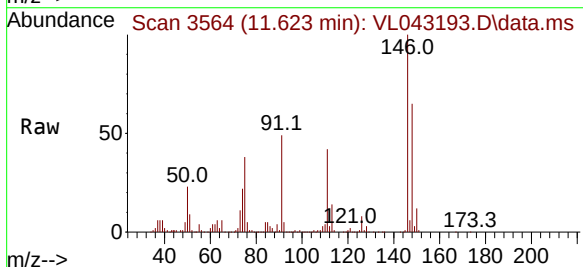
Instrument :
MSVOA_L
ClientSampleId :
VL1113ABS01

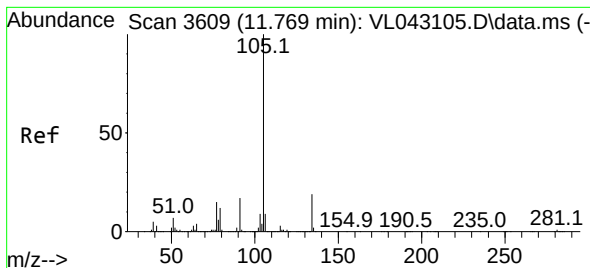
Tgt Ion:119 Resp: 750836
Ion Ratio Lower Upper
119 100
91 78.8 63.4 95.0
134 21.9 17.3 25.9



#66
Benzyl Chloride
Concen: 8.701 ppbv
RT: 11.623 min Scan# 3564
Delta R.T. 0.006 min
Lab File: VL043193.D
Acq: 13 Nov 2025 10:53

Tgt Ion: 91 Resp: 68177
Ion Ratio Lower Upper
91 100
126 18.1 14.6 22.0
128 6.2 4.6 6.8

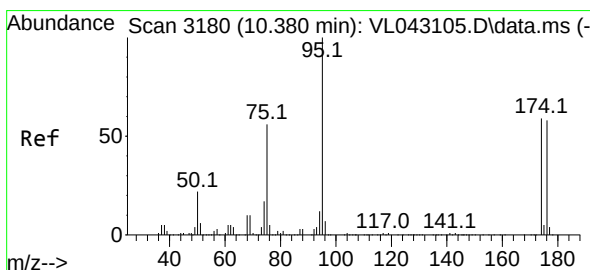
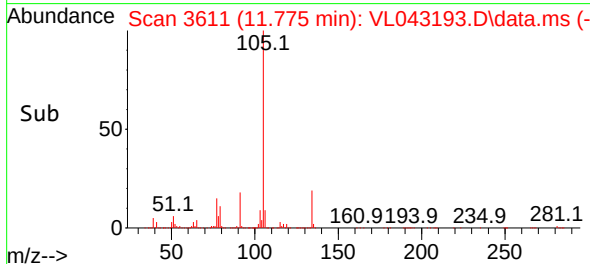
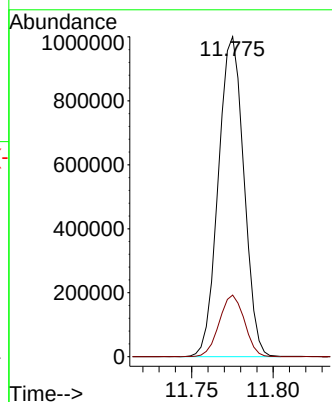
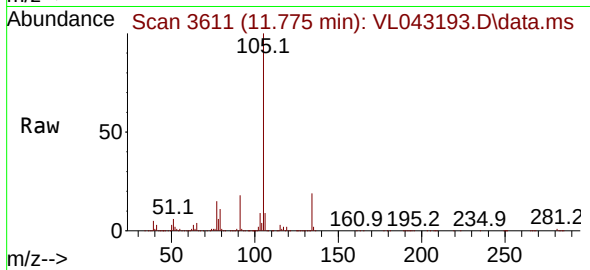




#67
 sec-Butylbenzene
 Concen: 10.891 ppbv
 RT: 11.775 min Scan# 3611
 Delta R.T. 0.006 min
 Lab File: VL043193.D
 Acq: 13 Nov 2025 10:53

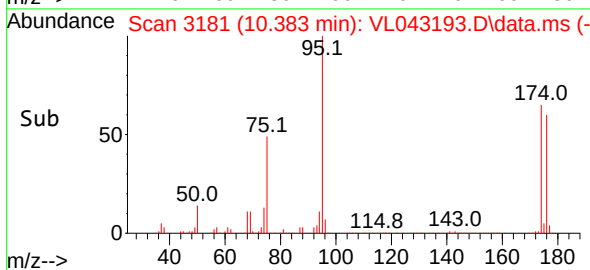
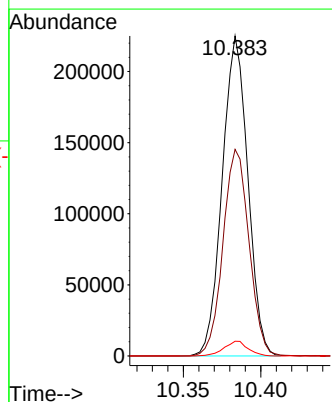
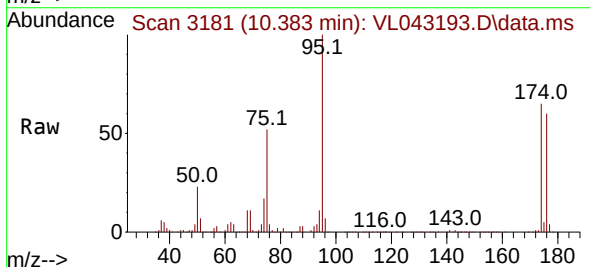
Instrument :
 MSVOA_1
 ClientSampleId :
 VL1113ABS01

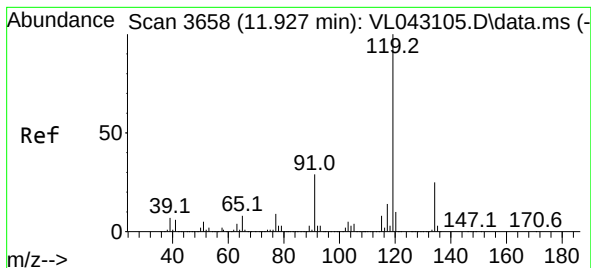
Tgt Ion:105 Resp: 1088172
 Ion Ratio Lower Upper
 105 100
 134 19.0 15.5 23.3



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.196 ppbv
 RT: 10.383 min Scan# 3181
 Delta R.T. 0.003 min
 Lab File: VL043193.D
 Acq: 13 Nov 2025 10:53

Tgt Ion: 95 Resp: 258637
 Ion Ratio Lower Upper
 95 100
 174 65.6 48.3 72.5
 175 4.3 3.8 5.8

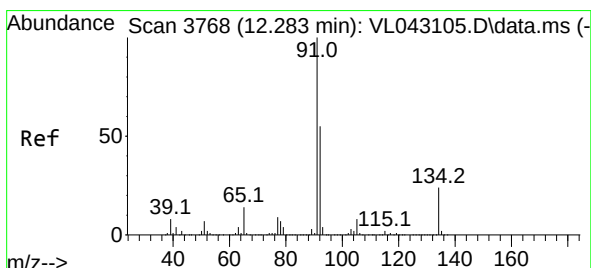
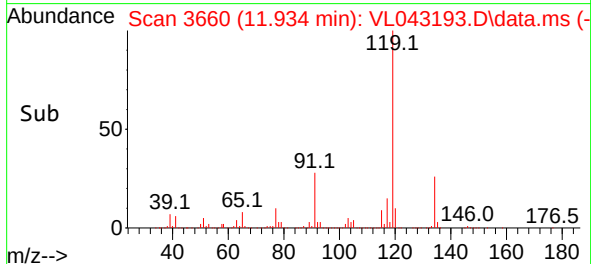
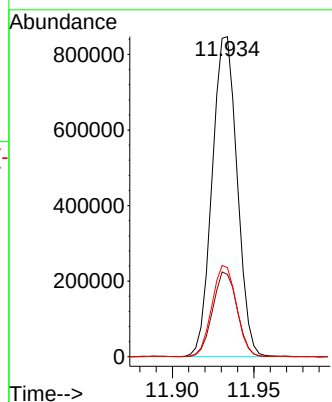
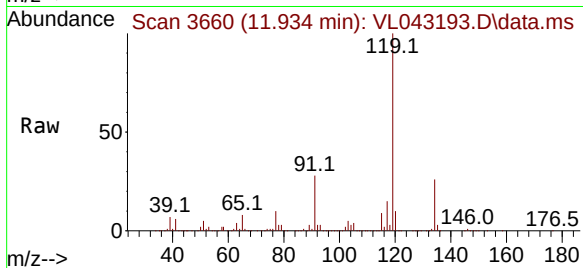




#69
p-Isopropyltoluene
Concen: 10.618 ppbv
RT: 11.934 min Scan# 3660
Delta R.T. 0.006 min
Lab File: VL043193.D
Acq: 13 Nov 2025 10:53

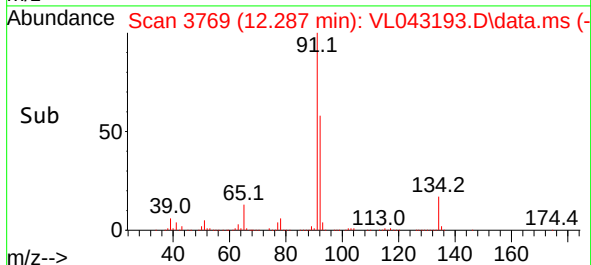
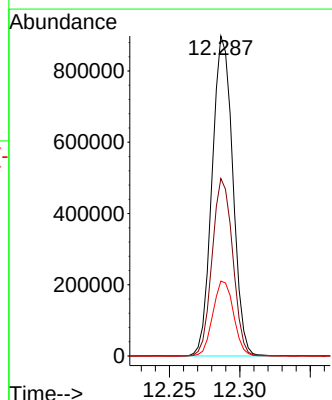
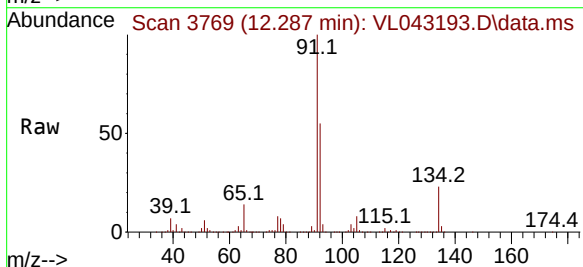
Instrument :
MSVOA_1
ClientSampleId :
VL1113ABS01

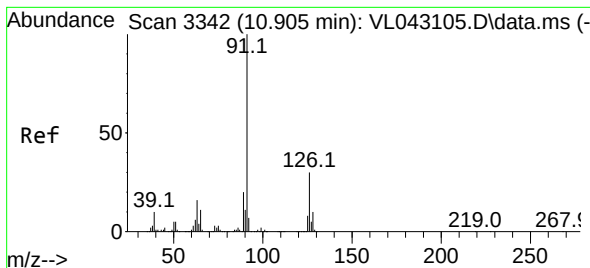
Tgt Ion:119 Resp: 901546
Ion Ratio Lower Upper
119 100
134 26.0 20.3 30.5
91 28.1 22.6 33.8



#70
n-Butylbenzene
Concen: 10.962 ppbv
RT: 12.287 min Scan# 3769
Delta R.T. 0.003 min
Lab File: VL043193.D
Acq: 13 Nov 2025 10:53

Tgt Ion: 91 Resp: 917214
Ion Ratio Lower Upper
91 100
92 55.2 44.5 66.7
134 23.4 19.3 28.9





#71

2-Chlorotoluene

Concen: 10.880 ppbv

RT: 10.908 min Scan# 31

Delta R.T. 0.003 min

Lab File: VL043193.D

Acq: 13 Nov 2025 10:53

Instrument :

MSVOA_L

ClientSampleId :

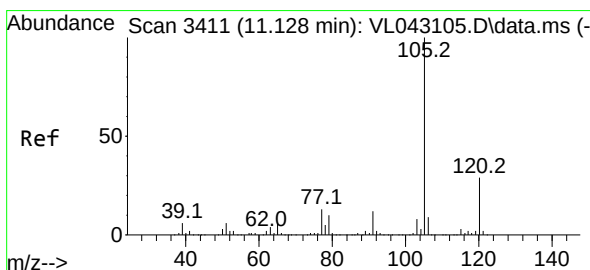
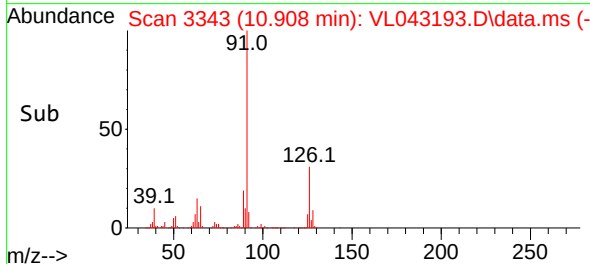
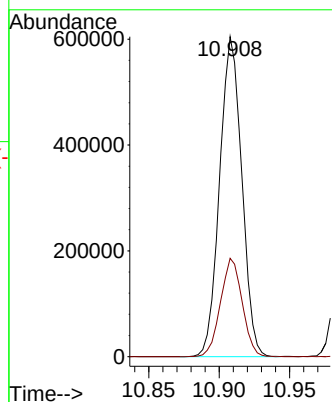
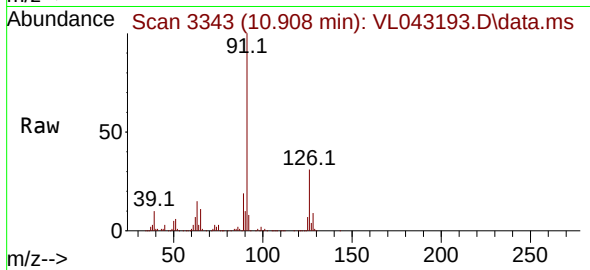
VL1113ABS01

Tgt Ion: 91 Resp: 661575

Ion Ratio Lower Upper

91 100

126 30.1 12.0 48.0



#72

4-Ethyltoluene

Concen: 11.124 ppbv

RT: 11.131 min Scan# 3412

Delta R.T. 0.003 min

Lab File: VL043193.D

Acq: 13 Nov 2025 10:53

Tgt Ion:105 Resp: 603491

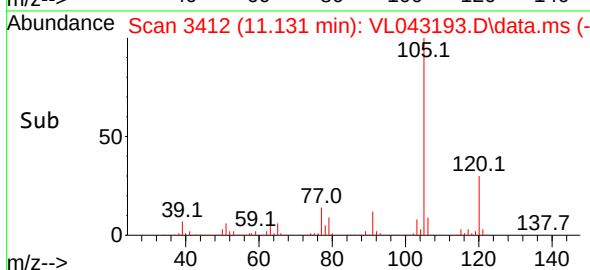
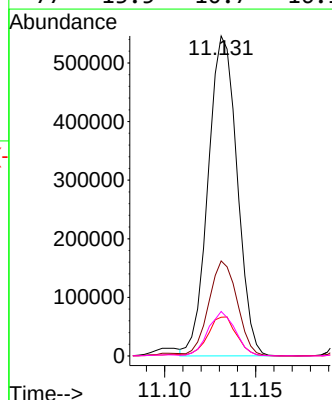
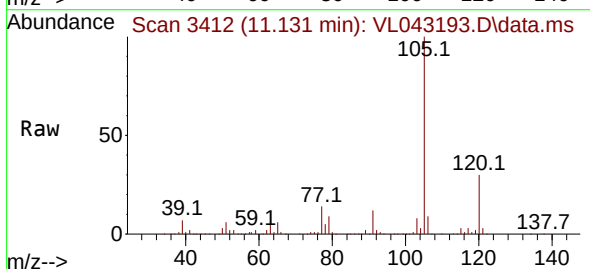
Ion Ratio Lower Upper

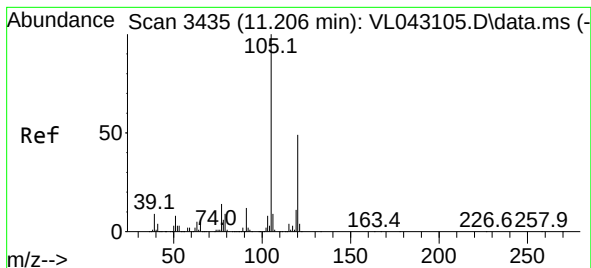
105 100

120 30.1 24.2 36.4

91 12.7 10.0 15.0

77 13.5 10.7 16.1





#73

1,3,5-Trimethylbenzene

Concen: 11.091 ppbv

RT: 11.212 min Scan# 3435

Delta R.T. 0.006 min

Lab File: VL043193.D

Acq: 13 Nov 2025 10:53

Instrument :

MSVOA_L

ClientSampleId :

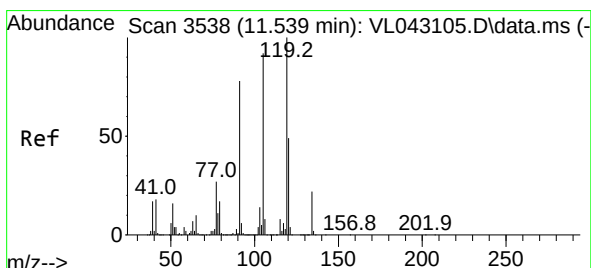
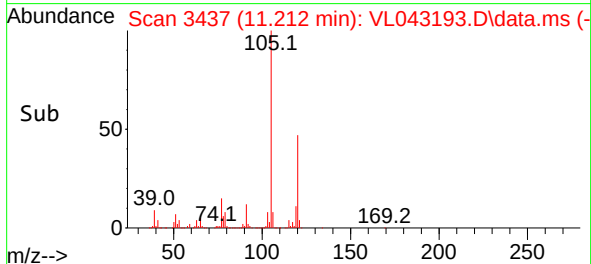
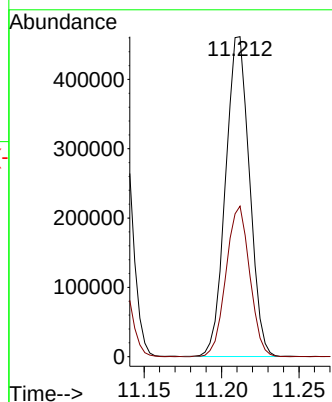
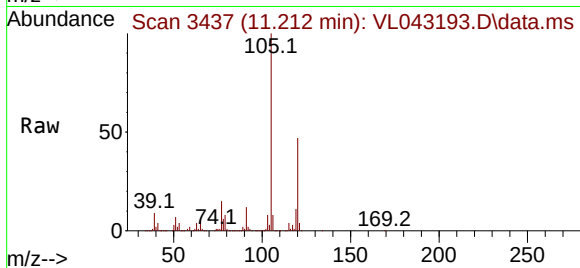
VL1113ABS01

Tgt Ion:105 Resp: 496215

Ion Ratio Lower Upper

105 100

120 47.0 39.0 58.6



#74

1,2,4-Trimethylbenzene

Concen: 10.858 ppbv

RT: 11.545 min Scan# 3540

Delta R.T. 0.006 min

Lab File: VL043193.D

Acq: 13 Nov 2025 10:53

Tgt Ion:105 Resp: 543655

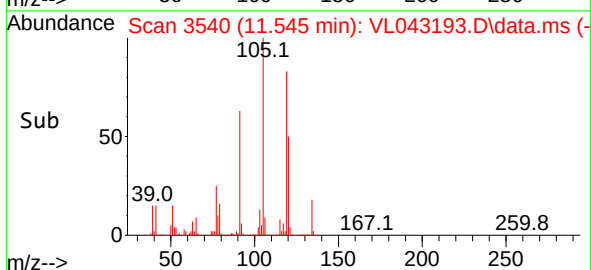
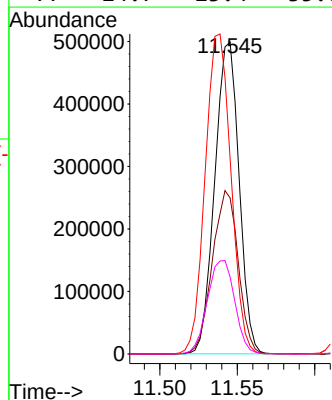
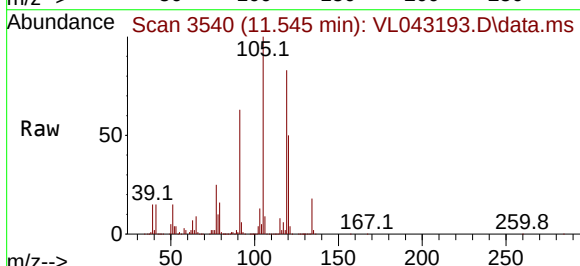
Ion Ratio Lower Upper

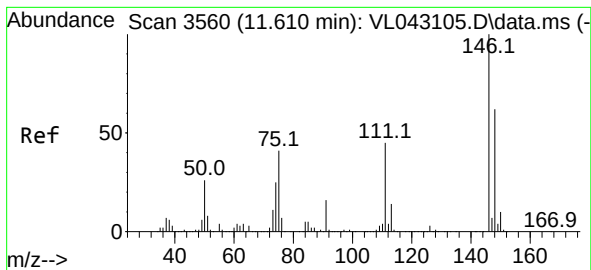
105 100

120 50.0 42.8 64.2

91 62.6 68.3 102.5#

77 24.7 23.4 35.0





#75

1,3-Dichlorobenzene

Concen: 11.522 ppbv

RT: 11.613 min Scan# 3561

Delta R.T. 0.003 min

Lab File: VL043193.D

Acq: 13 Nov 2025 10:53

Instrument :

MSVOA_1

ClientSampleId :

VL1113ABS01

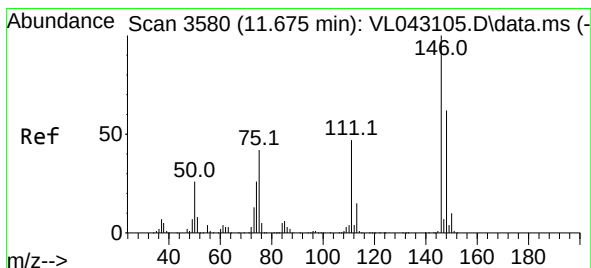
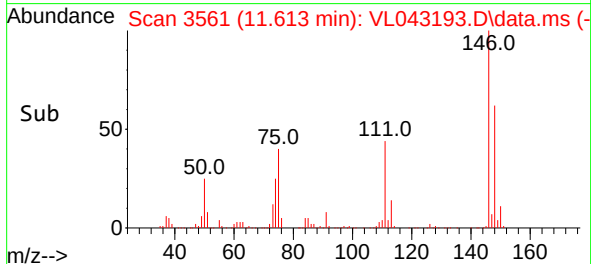
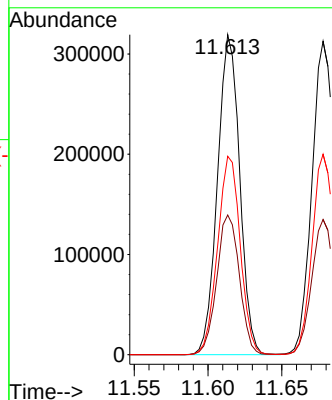
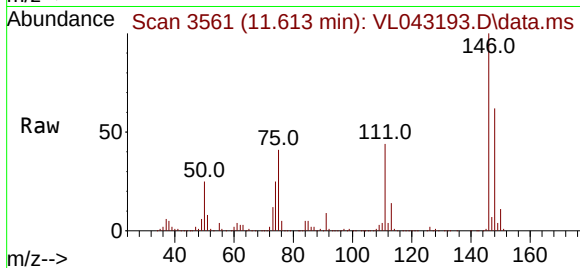
Tgt Ion:146 Resp: 334602

Ion Ratio Lower Upper

146 100

111 44.6 23.3 69.9

148 63.4 31.6 95.0



#76

1,4-Dichlorobenzene

Concen: 11.534 ppbv

RT: 11.678 min Scan# 3581

Delta R.T. 0.003 min

Lab File: VL043193.D

Acq: 13 Nov 2025 10:53

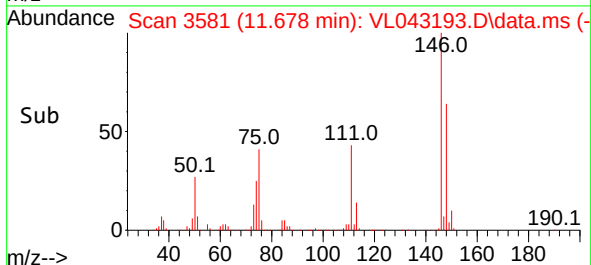
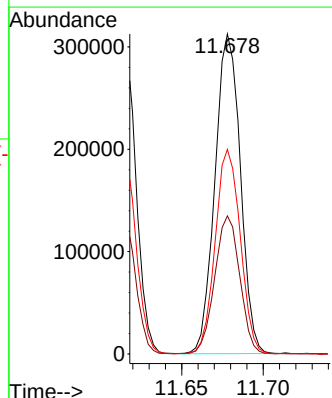
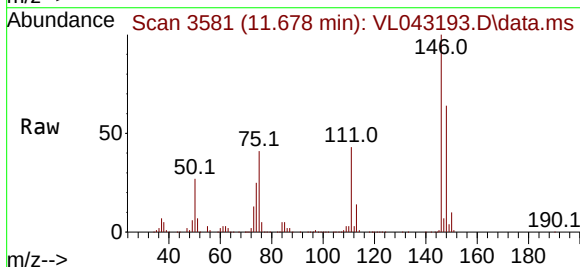
Tgt Ion:146 Resp: 337741

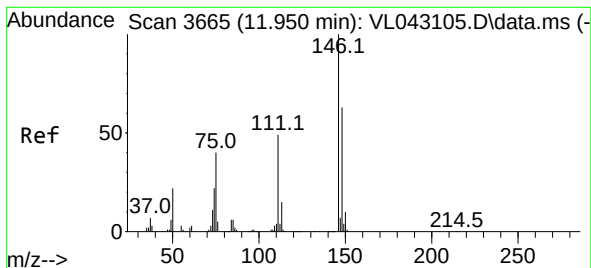
Ion Ratio Lower Upper

146 100

111 42.8 22.4 67.0

148 63.5 31.6 94.7





#77

1,2-Dichlorobenzene

Concen: 11.456 ppbv

RT: 11.953 min Scan# 3

Delta R.T. 0.003 min

Lab File: VL043193.D

Acq: 13 Nov 2025 10:53

Instrument :

MSVOA_1

ClientSampleId :

VL1113ABS01

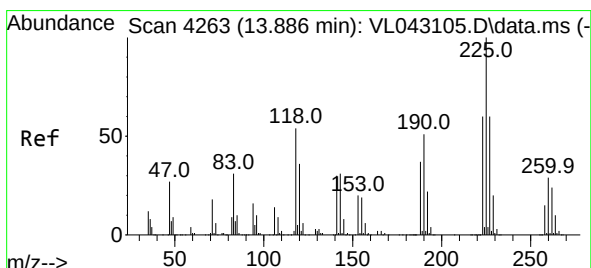
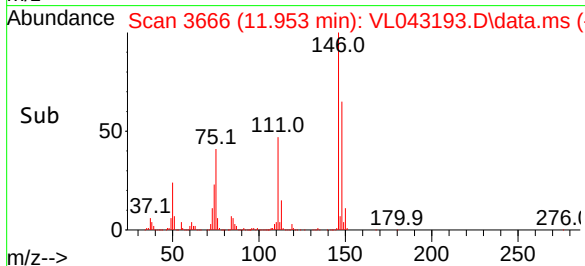
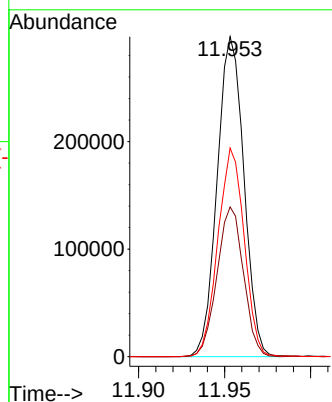
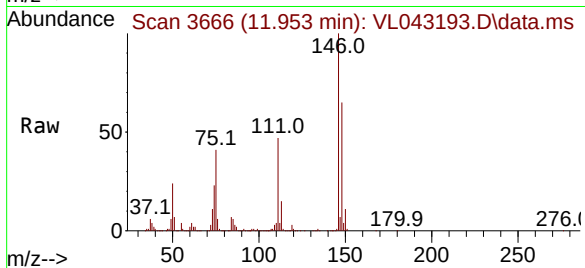
Tgt Ion:146 Resp: 321835

Ion Ratio Lower Upper

146 100

111 46.4 24.0 72.0

148 64.2 31.1 93.3



#78

Hexachloro-1,3-Butadiene

Concen: 10.210 ppbv

RT: 13.889 min Scan# 4264

Delta R.T. 0.003 min

Lab File: VL043193.D

Acq: 13 Nov 2025 10:53

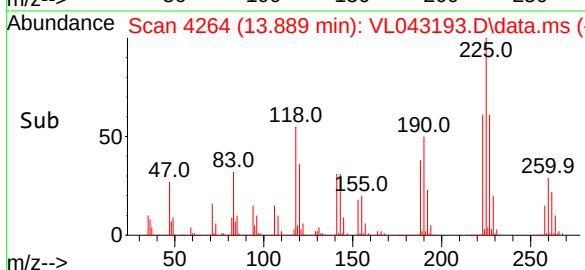
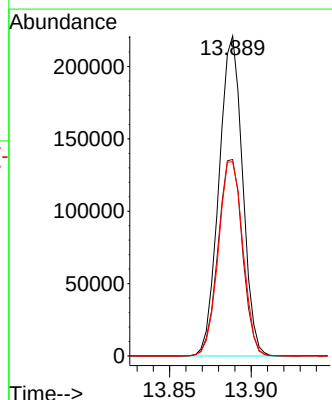
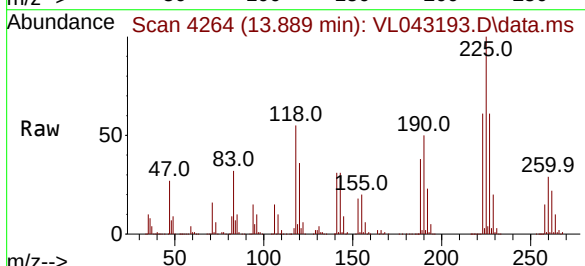
Tgt Ion:225 Resp: 222076

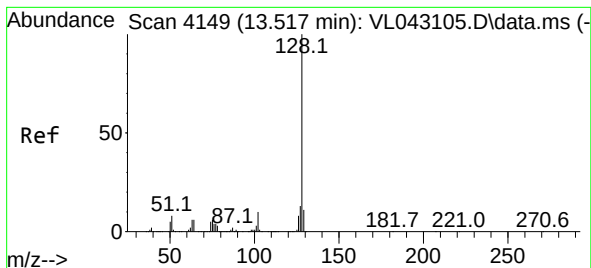
Ion Ratio Lower Upper

225 100

223 63.4 50.2 75.4

227 63.2 49.6 74.4





#79

Naphthalene

Concen: 10.240 ppbv

RT: 13.520 min Scan# 4149

Delta R.T. 0.003 min

Lab File: VL043193.D

Acq: 13 Nov 2025 10:53

Instrument :

MSVOA_1

ClientSampleId :

VL1113ABS01

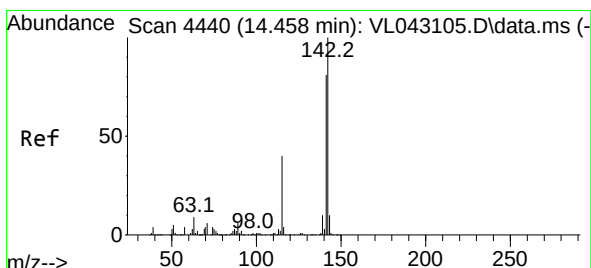
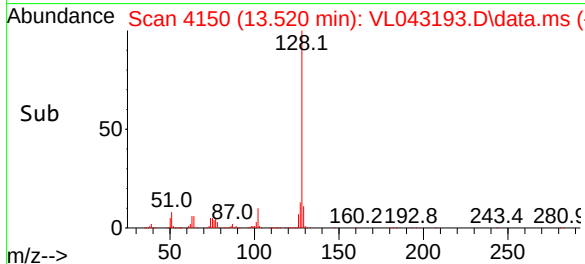
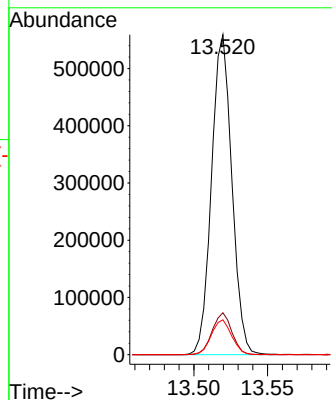
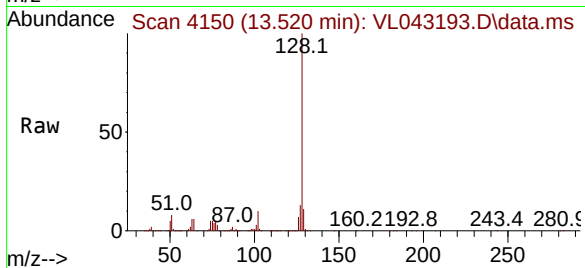
Tgt Ion:128 Resp: 535902

Ion Ratio Lower Upper

128 100

127 13.1 10.5 15.7

129 10.9 9.1 13.7



#80

Naphthalene, 2-methyl-

Concen: 10.037 ppbv

RT: 14.465 min Scan# 4442

Delta R.T. 0.006 min

Lab File: VL043193.D

Acq: 13 Nov 2025 10:53

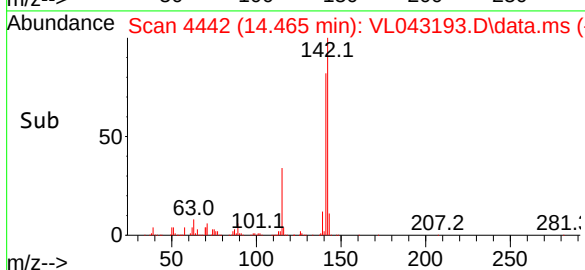
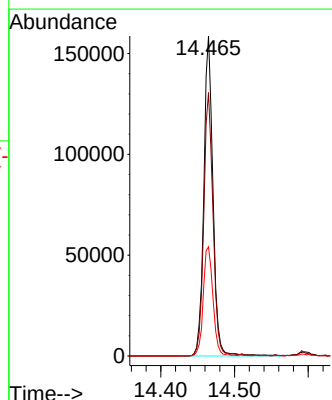
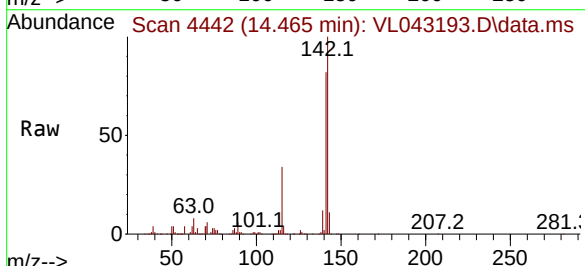
Tgt Ion:142 Resp: 136849

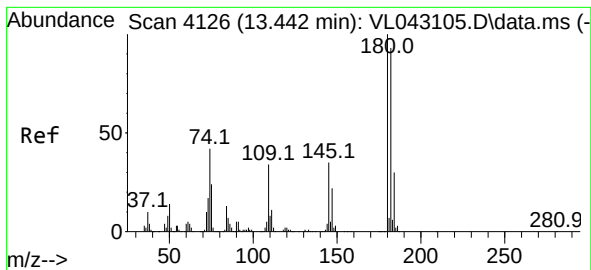
Ion Ratio Lower Upper

142 100

141 84.1 64.6 97.0

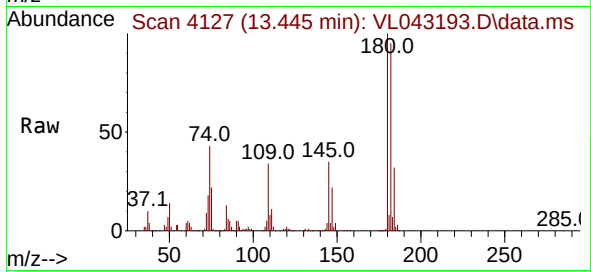
115 36.9 30.2 45.4





#81
 1,2,4-Trichlorobenzene
 Concen: 10.710 ppbv
 RT: 13.445 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VL043193.D
 Acq: 13 Nov 2025 10:53

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1113ABS01



Tgt Ion:180 Resp: 232626

Ion	Ratio	Lower	Upper
180	100		
182	94.2	75.5	113.3
184	31.1	23.9	35.9

