

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110325\
 Data File : VL043142.D
 Acq On : 03 Nov 2025 11:37
 Operator : SY/MD
 Sample : VL1103ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1103ABS01

Quant Time: Nov 04 03:07:49 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	2.787	49	117626	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	380679	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	337466	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	10.377	95	263369	10.041	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.400%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	169656	10.145	ppbv	99
3) Chlorodifluoromethane	1.476	51	179096	9.899	ppbv	98
4) Chloromethane	1.535	50	58168	8.781	ppbv	93
5) Vinyl Chloride	1.583	62	58683	9.031	ppbv	97
6) Bromomethane	1.671	94	34849	9.781	ppbv	96
7) Chloroethane	1.706	64	22576	8.498	ppbv	96
8) Dichlorotetrafluoroethane	1.557	85	137377	10.164	ppbv	92
9) Propene	1.486	41	71941	8.965	ppbv	99
10) Heptane	4.985	43	205286	8.886	ppbv	99
11) Trichlorofluoromethane	1.881	101	179074	10.948	ppbv	94
12) 1,1,2-Trichlorotrifluo...	2.140	101	138408	10.510	ppbv	93
13) Ethanol	1.722	45	21421	7.217	ppbv	98
14) Bromoethene	1.784	108	49926	10.205	ppbv	99
15) Acetone	1.836	43	139513	8.800	ppbv	100
16) 1,3-Butadiene	1.612	39	64472	8.533	ppbv	99
17) tert-Butyl alcohol	2.040	59	209860	9.643	ppbv	99
18) 1,1-Dichloroethene	2.036	96	59905	10.434	ppbv	86
19) Isopropyl Alcohol	1.887	45	84841	8.592	ppbv	94
20) Methylene Chloride	2.062	84	52423	8.365	ppbv	93
21) Allyl Chloride	2.098	41	107417	9.195	ppbv	96
22) trans-1,2-Dichloroethene	2.344	96	69683	10.154	ppbv	89
23) Vinyl Acetate	2.464	43	231081	9.950	ppbv #	98
24) 1,1-Dichloroethane	2.412	63	134077	10.112	ppbv	99
25) Ethyl Acetate	2.836	43	374117	9.516	ppbv	100
26) Hexane	2.829	57	174260	9.619	ppbv	96
27) Carbon Disulfide	2.153	76	168620	10.159	ppbv	95
28) Methyl tert-Butyl Ether	2.441	73	75460	9.156	ppbv	95
29) Chloroform	2.849	83	276140	10.520	ppbv	99
30) Cyclohexane	3.862	84	151500	9.581	ppbv	93
31) cis-1,2-Dichloroethene	2.722	61	180245	10.419	ppbv	98
32) 1,1,1-Trichloroethane	3.370	97	289049	10.574	ppbv	99
34) 2-Butanone	2.557	43	245117	9.579	ppbv	97
35) Carbon Tetrachloride	3.765	117	297649	10.875	ppbv	95
36) Benzene	3.658	78	362095	10.099	ppbv	98
37) 1,2-Dichloroethane	3.221	62	213929	10.357	ppbv	98
38) Trichloroethene	4.548	130	145247	9.700	ppbv	97
39) 1,2-Dichloropropane	4.318	63	127088	9.696	ppbv	97
40) 1,4-Dioxane	4.580	88	57050	9.726	ppbv #	95
41) Tetrahydrofuran	3.053	42	127277	8.893	ppbv	96
42) Bromodichloromethane	4.493	83	303172	10.605	ppbv	98
43) Methyl Methacrylate	4.878	69	171912	9.440	ppbv	96
44) 2,2,4-Trimethylpentane	4.642	57	576172	9.525	ppbv	99
45) t-1,3-Dichloropropene	6.415	75	181316	9.922	ppbv	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110325\
 Data File : VL043142.D
 Acq On : 03 Nov 2025 11:37
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 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

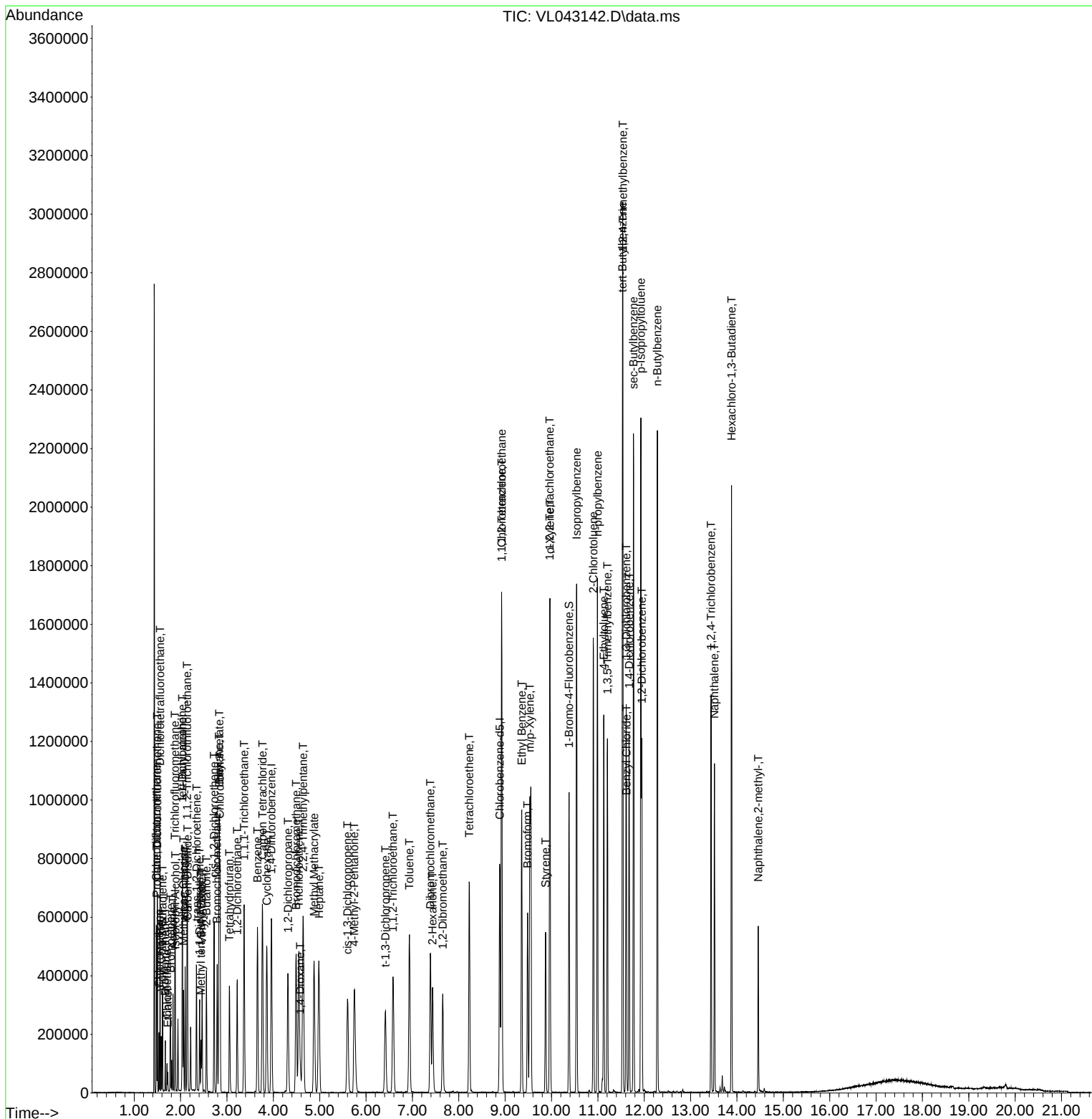
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1103ABS01

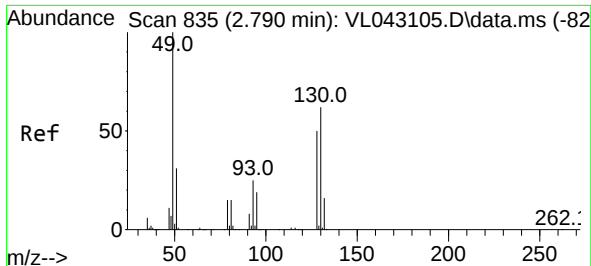
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 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Oct 15 02:12:58 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.600	75	213049	9.759	ppbv	99
47) 1,1,2-Trichloroethane	6.581	97	139713	9.870	ppbv	92
48) Dibromochloromethane	7.386	129	251265	10.617	ppbv	100
49) Bromoform	9.484	173	216418	11.250	ppbv	99
50) 4-Methyl-2-Pentanone	5.745	43	317012	8.977	ppbv	99
51) 2-Hexanone	7.432	43	245085	9.253	ppbv #	100
52) Tetrachloroethene	8.225	164	131735	10.189	ppbv	94
53) Toluene	6.937	91	406164	9.545	ppbv	100
54) 1,2-Dibromoethane	7.655	107	218228	9.843	ppbv	97
56) 1,1,1,2-Tetrachloroethane	8.927	131	229480	10.787	ppbv	98
57) Chlorobenzene	8.924	112	309946	9.818	ppbv	99
58) Ethyl Benzene	9.358	91	573149	9.896	ppbv	100
59) m/p-Xylene	9.536	91	519708	11.250	ppbv #	29
60) o-Xylene	9.966	91	448180	9.823	ppbv	100
61) Styrene	9.872	104	197748	9.601	ppbv	99
62) Isopropylbenzene	10.542	105	824726	10.004	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.963	83	286436	9.376	ppbv	100
64) n-propylbenzene	10.992	120	216631	9.925	ppbv	99
65) tert-Butylbenzene	11.533	119	697833	9.585	ppbv	98
66) Benzyl Chloride	11.617	91	73710	9.097	ppbv	98
67) sec-Butylbenzene	11.769	105	1003036	9.708	ppbv	99
69) p-Isopropyltoluene	11.927	119	848375	9.663	ppbv	100
70) n-Butylbenzene	12.284	91	836813	9.672	ppbv	99
71) 2-Chlorotoluene	10.901	91	617402	9.819	ppbv	99
72) 4-Ethyltoluene	11.128	105	559061	9.965	ppbv	100
73) 1,3,5-Trimethylbenzene	11.206	105	462460	9.996	ppbv	97
74) 1,2,4-Trimethylbenzene	11.539	105	501510	9.686	ppbv	93
75) 1,3-Dichlorobenzene	11.610	146	305516	10.174	ppbv	99
76) 1,4-Dichlorobenzene	11.672	146	309176	10.211	ppbv	99
77) 1,2-Dichlorobenzene	11.950	146	288307	9.925	ppbv	98
78) Hexachloro-1,3-Butadiene	13.882	225	218849	9.730	ppbv	99
79) Naphthalene	13.513	128	516413	9.543	ppbv	98
80) Naphthalene,2-methyl-	14.459	142	157236	11.152	ppbv	97
81) 1,2,4-Trichlorobenzene	13.442	180	233828	10.410	ppbv	99

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

Quant Time: Nov 04 03:07:49 2025
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QLast Update : Wed Oct 15 02:12:58 2025
Response via : Initial Calibration

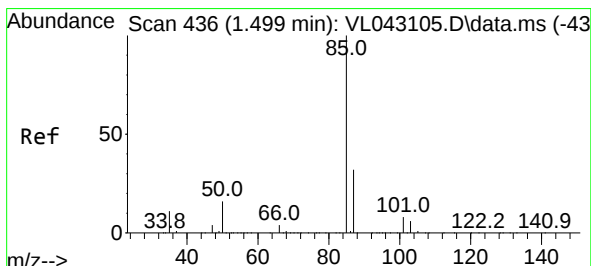
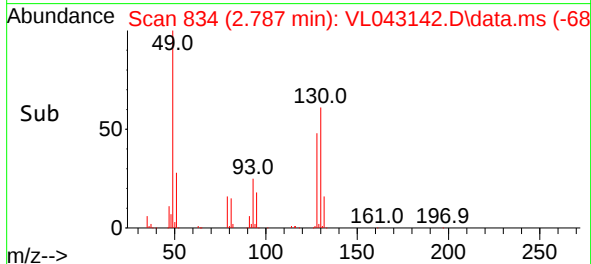
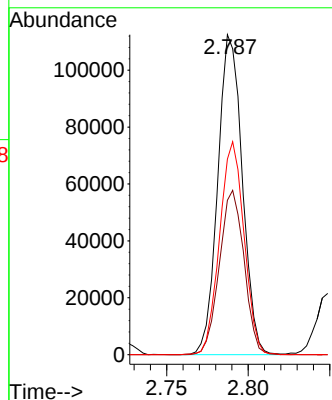
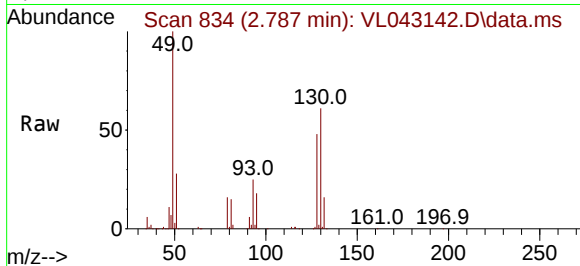




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL043142.D
Acq: 03 Nov 2025 11:37

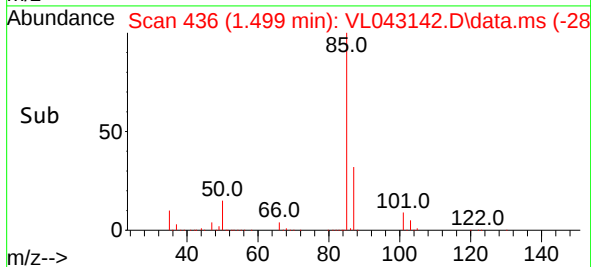
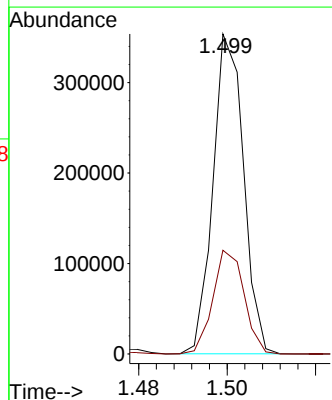
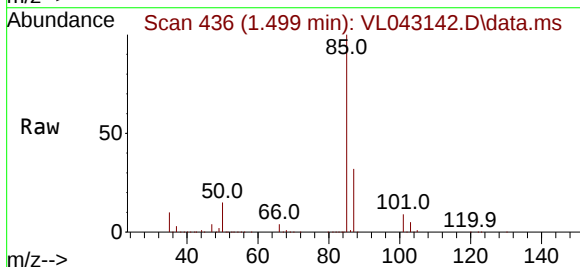
Instrument :
MSVOA_L
ClientSampleId :
VL1103ABS01

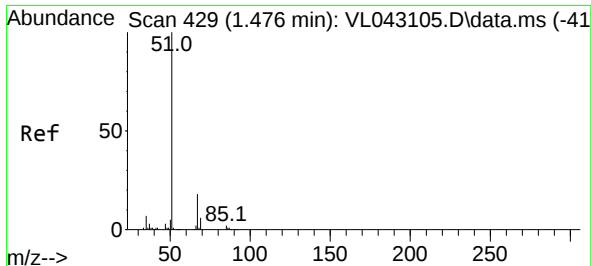
Tgt Ion: 49 Resp: 117626
Ion Ratio Lower Upper
49 100
128 51.5 24.4 73.4
130 66.4 31.0 93.0



#2
Dichlorodifluoromethane
Concen: 10.145 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL043142.D
Acq: 03 Nov 2025 11:37

Tgt Ion: 85 Resp: 169656
Ion Ratio Lower Upper
85 100
87 32.4 25.3 37.9

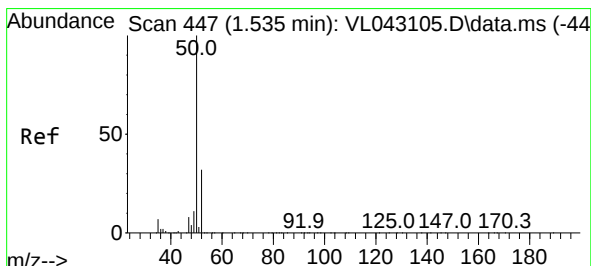
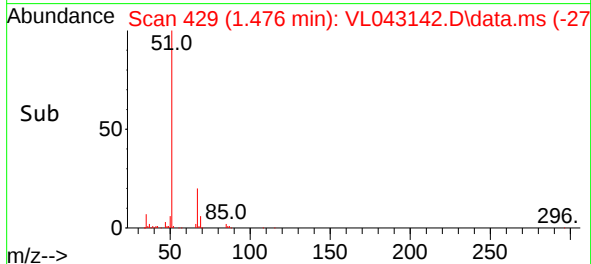
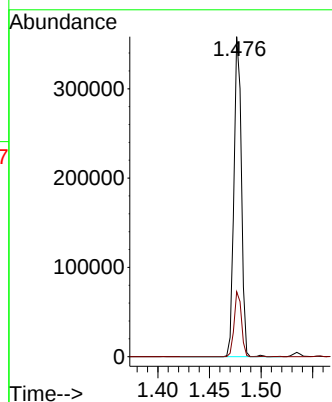
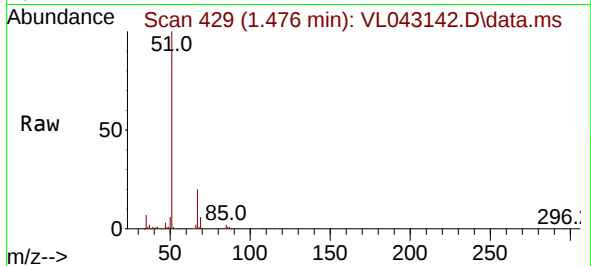




#3
Chlorodifluoromethane
Concen: 9.899 ppbv
RT: 1.476 min Scan# 429
Delta R.T. 0.000 min
Lab File: VL043142.D
Acq: 03 Nov 2025 11:37

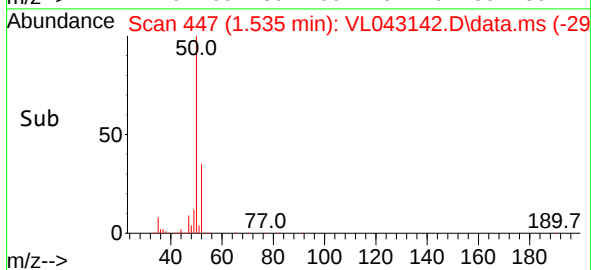
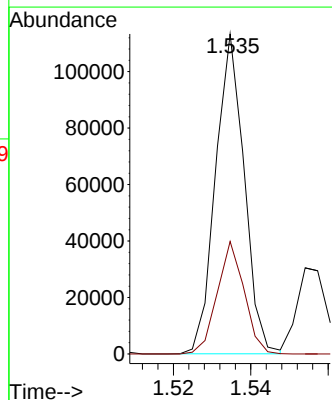
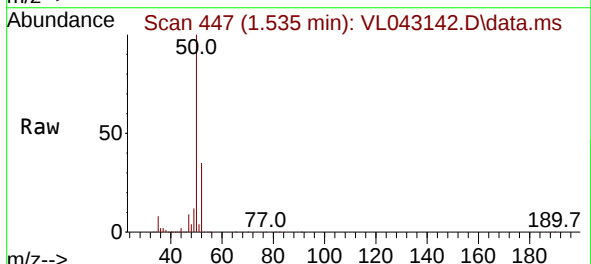
Instrument :
MSVOA_1
ClientSampleId :
VL1103ABS01

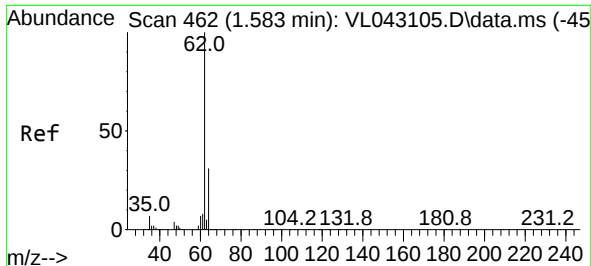
Tgt Ion: 51 Resp: 179096
Ion Ratio Lower Upper
51 100
67 19.9 15.1 22.7



#4
Chloromethane
Concen: 8.781 ppbv
RT: 1.535 min Scan# 447
Delta R.T. 0.000 min
Lab File: VL043142.D
Acq: 03 Nov 2025 11:37

Tgt Ion: 50 Resp: 58168
Ion Ratio Lower Upper
50 100
52 35.2 25.2 37.8

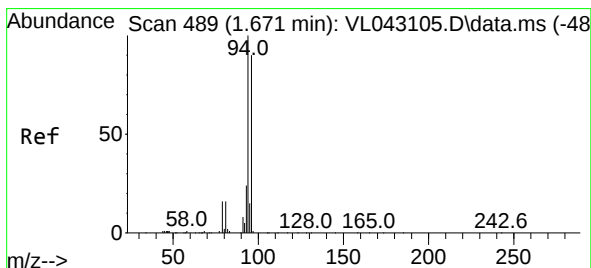
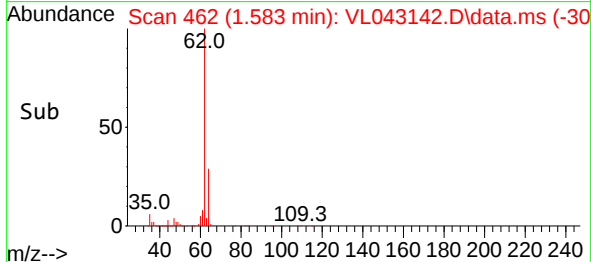
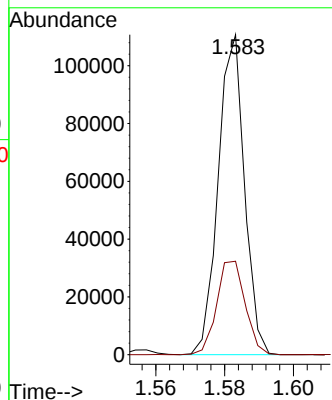
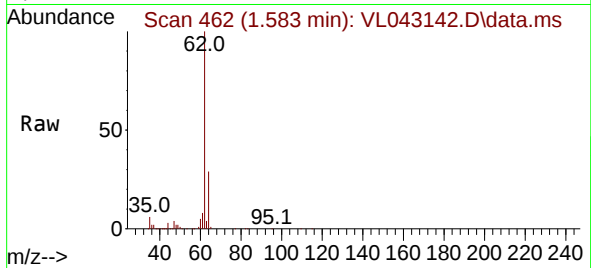




#5
 Vinyl Chloride
 Concen: 9.031 ppbv
 RT: 1.583 min Scan# 462
 Delta R.T. 0.000 min
 Lab File: VL043142.D
 Acq: 03 Nov 2025 11:37

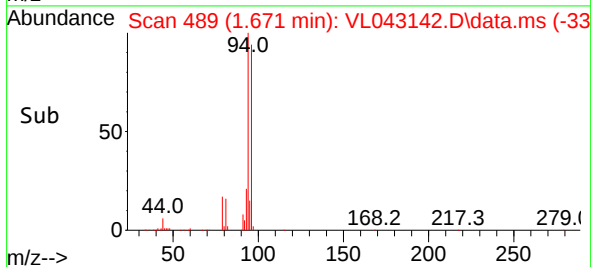
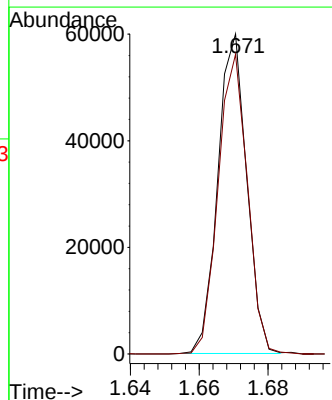
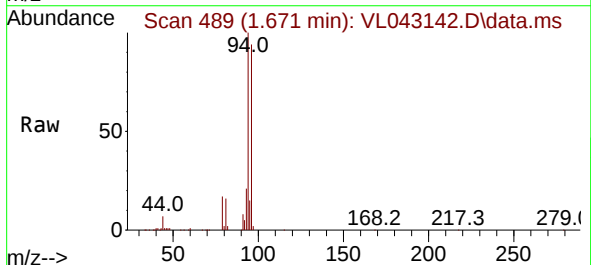
Instrument :
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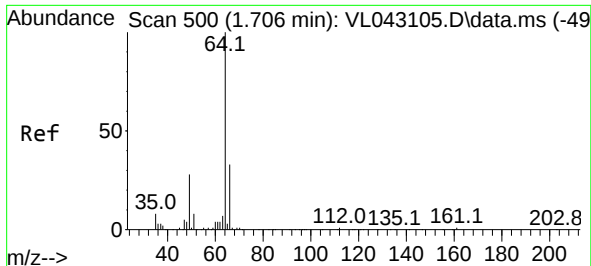
Tgt Ion: 62 Resp: 58683
 Ion Ratio Lower Upper
 62 100
 64 29.2 24.6 36.8



#6
 Bromomethane
 Concen: 9.781 ppbv
 RT: 1.671 min Scan# 489
 Delta R.T. 0.000 min
 Lab File: VL043142.D
 Acq: 03 Nov 2025 11:37

Tgt Ion: 94 Resp: 34849
 Ion Ratio Lower Upper
 94 100
 96 93.6 72.2 108.4

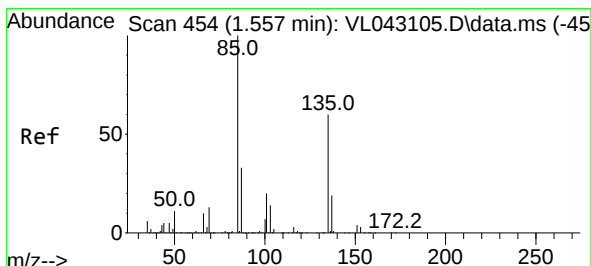
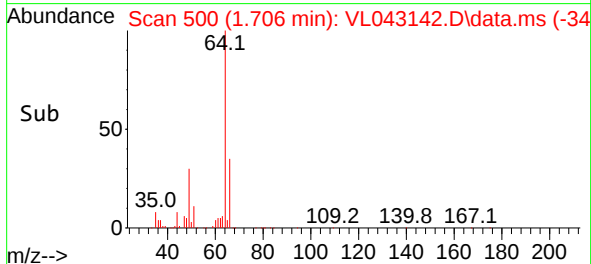
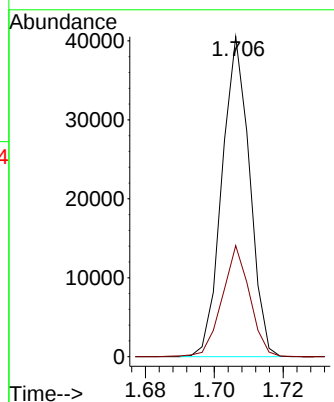
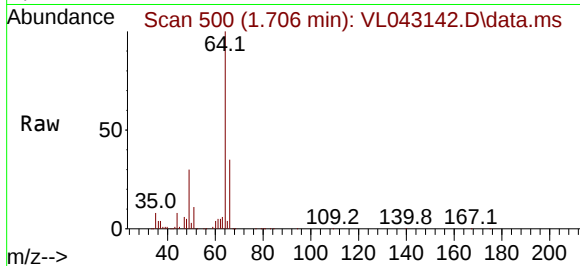




#7
Chloroethane
Concen: 8.498 ppbv
RT: 1.706 min Scan# 500
Delta R.T. 0.000 min
Lab File: VL043142.D
Acq: 03 Nov 2025 11:37

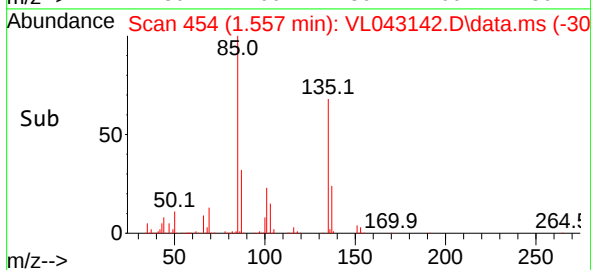
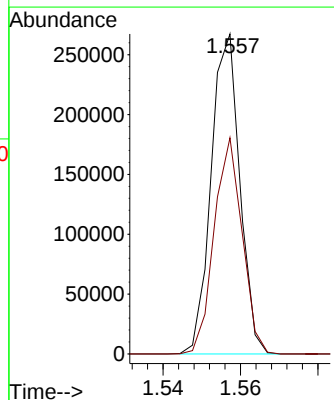
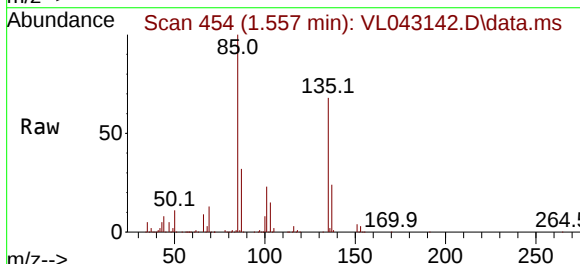
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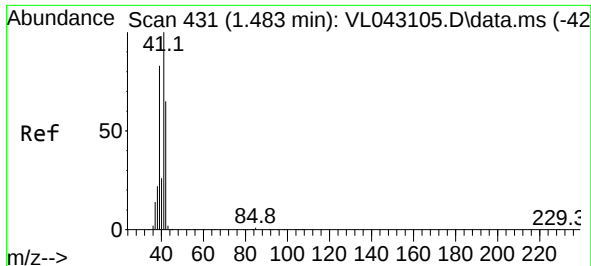
Tgt Ion: 64 Resp: 22576
Ion Ratio Lower Upper
64 100
66 34.7 26.0 39.0



#8
Dichlorotetrafluoroethane
Concen: 10.164 ppbv
RT: 1.557 min Scan# 454
Delta R.T. 0.000 min
Lab File: VL043142.D
Acq: 03 Nov 2025 11:37

Tgt Ion: 85 Resp: 137377
Ion Ratio Lower Upper
85 100
135 66.1 48.2 72.4





#9

Propene

Concen: 8.965 ppbv

RT: 1.486 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL043142.D

Acq: 03 Nov 2025 11:37

Instrument :

MSVOA_1

ClientSampleId :

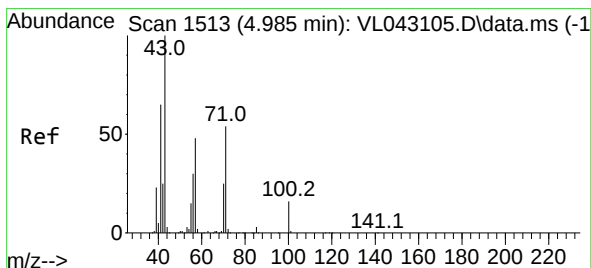
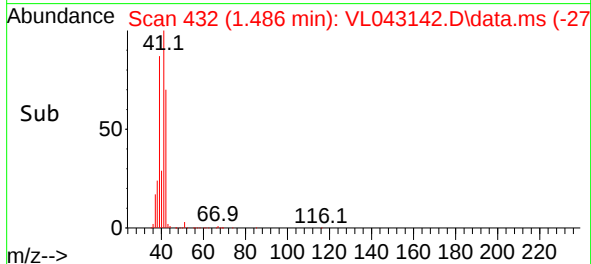
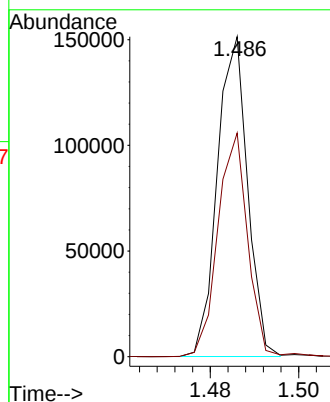
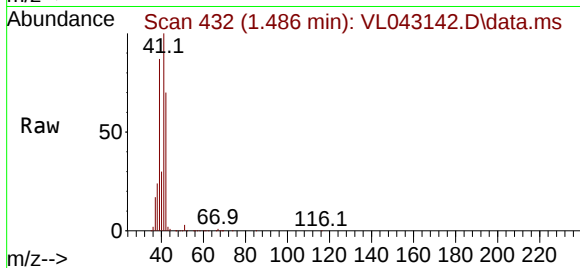
VL1103ABS01

Tgt Ion: 41 Resp: 71941

Ion Ratio Lower Upper

41 100

42 69.5 55.1 82.7



#10

Heptane

Concen: 8.886 ppbv

RT: 4.985 min Scan# 1513

Delta R.T. 0.000 min

Lab File: VL043142.D

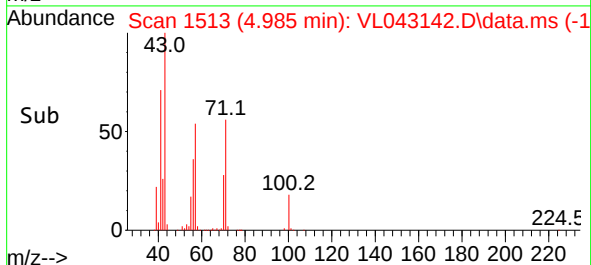
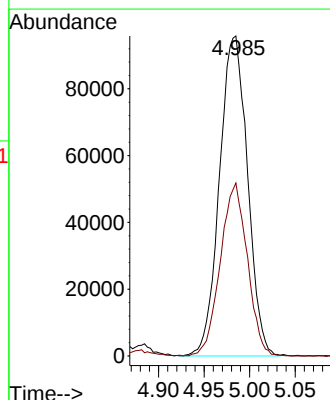
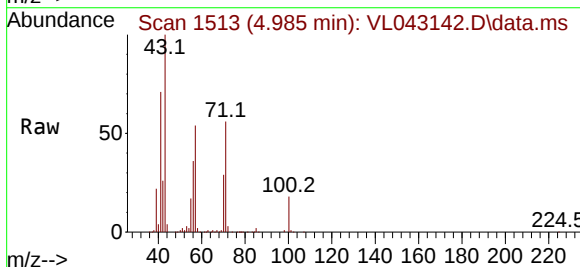
Acq: 03 Nov 2025 11:37

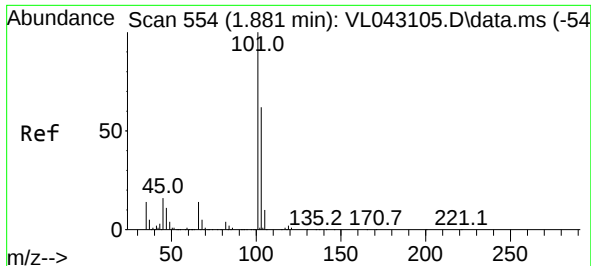
Tgt Ion: 43 Resp: 205286

Ion Ratio Lower Upper

43 100

57 52.0 40.8 61.2

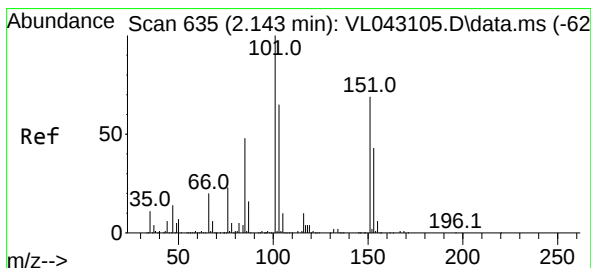
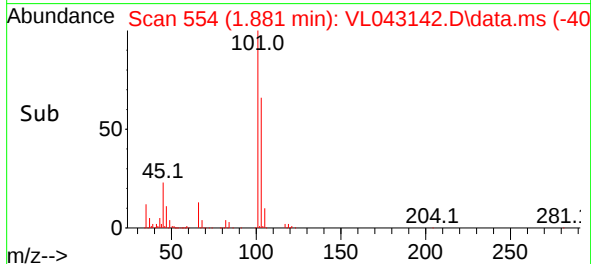
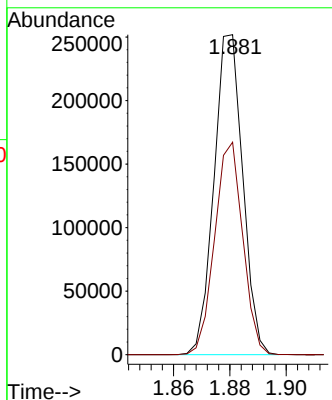
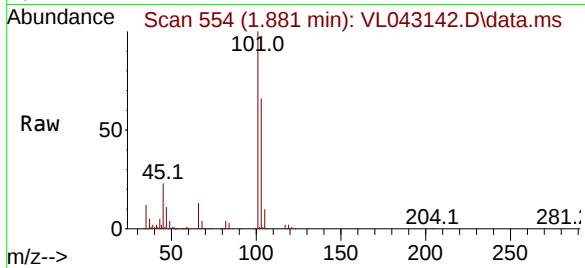




#11
 Trichlorofluoromethane
 Concen: 10.948 ppbv
 RT: 1.881 min Scan# 51
 Delta R.T. 0.000 min
 Lab File: VL043142.D
 Acq: 03 Nov 2025 11:37

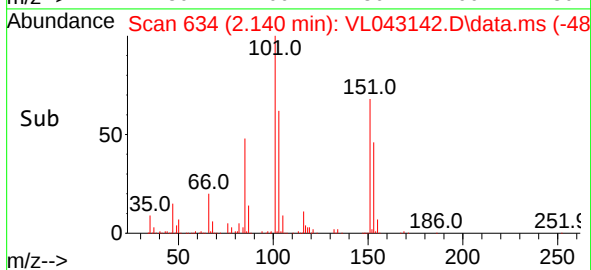
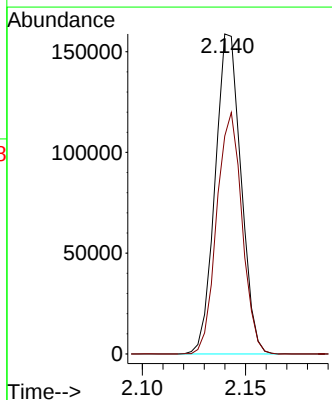
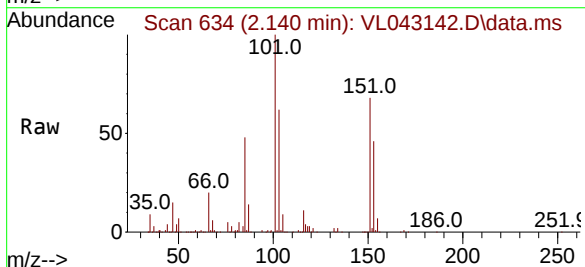
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1103ABS01

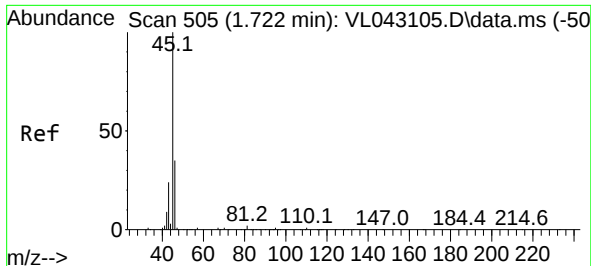
Tgt Ion:101 Resp: 179074
 Ion Ratio Lower Upper
 101 100
 103 66.3 49.3 73.9



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.510 ppbv
 RT: 2.140 min Scan# 634
 Delta R.T. -0.003 min
 Lab File: VL043142.D
 Acq: 03 Nov 2025 11:37

Tgt Ion:101 Resp: 138408
 Ion Ratio Lower Upper
 101 100
 151 73.8 54.7 82.1

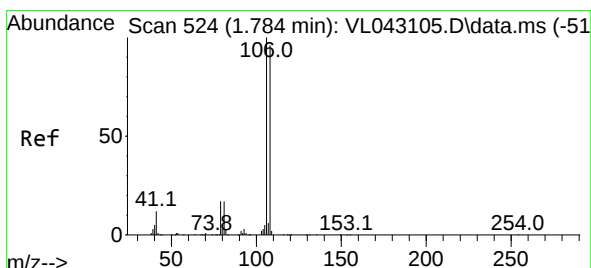
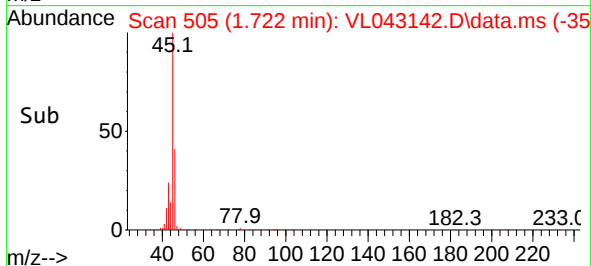
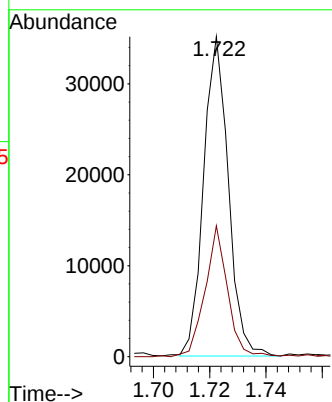
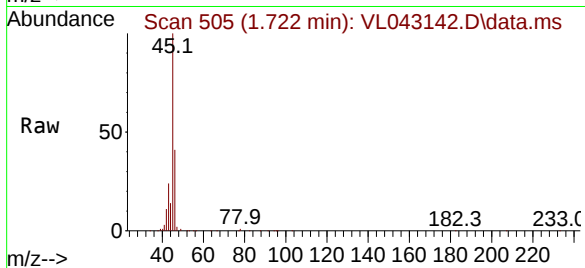




#13
Ethanol
Concen: 7.217 ppbv
RT: 1.722 min Scan# 505
Delta R.T. 0.000 min
Lab File: VL043142.D
Acq: 03 Nov 2025 11:37

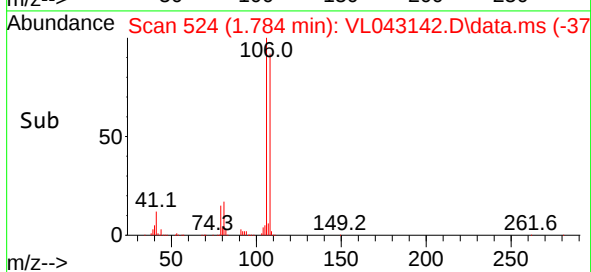
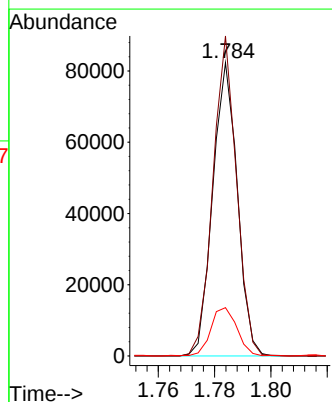
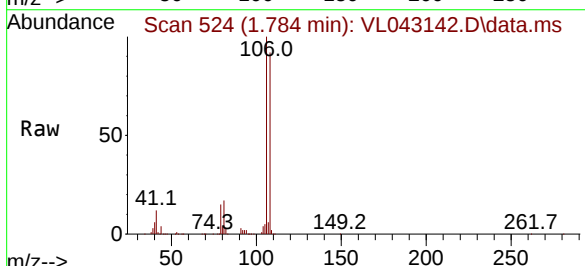
Instrument :
MSVOA_L
ClientSampleId :
VL1103ABS01

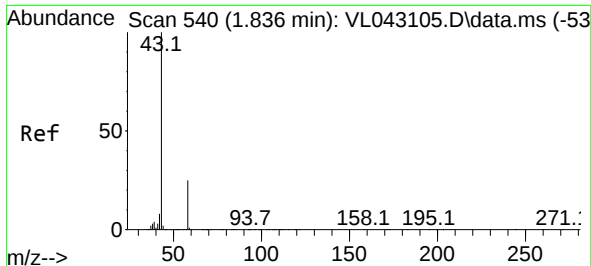
Tgt Ion: 45 Resp: 21421
Ion Ratio Lower Upper
45 100
46 37.9 14.7 58.9



#14
Bromoethene
Concen: 10.205 ppbv
RT: 1.784 min Scan# 524
Delta R.T. 0.000 min
Lab File: VL043142.D
Acq: 03 Nov 2025 11:37

Tgt Ion: 108 Resp: 49926
Ion Ratio Lower Upper
108 100
106 104.5 84.4 126.6
79 17.9 15.3 22.9

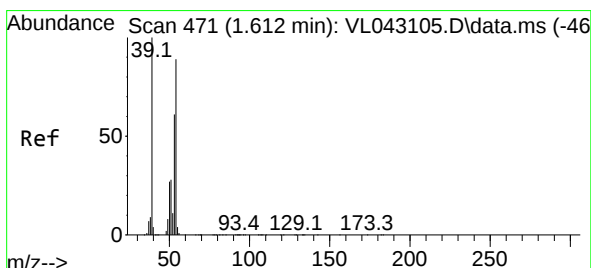
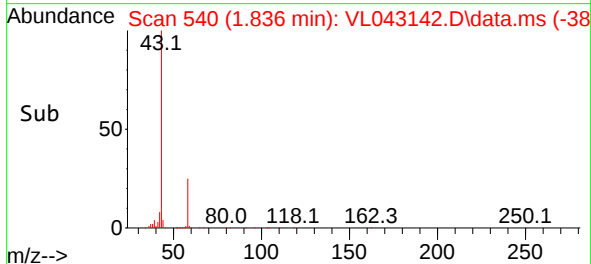
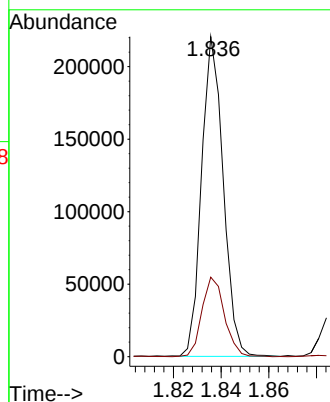
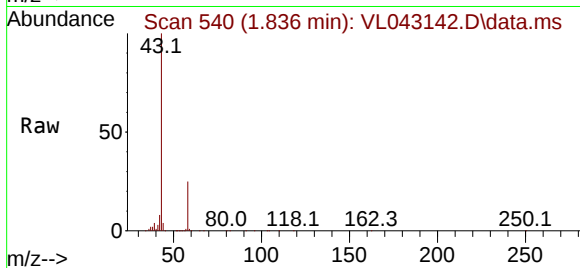




#15
Acetone
Concen: 8.800 ppbv
RT: 1.836 min Scan# 540
Delta R.T. 0.000 min
Lab File: VL043142.D
Acq: 03 Nov 2025 11:37

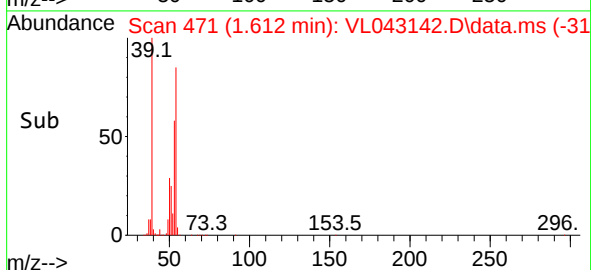
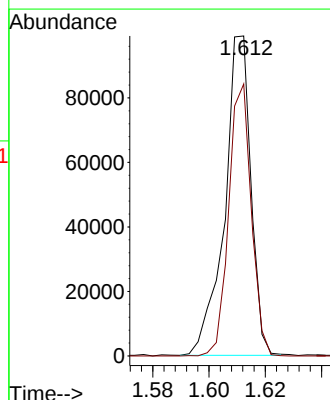
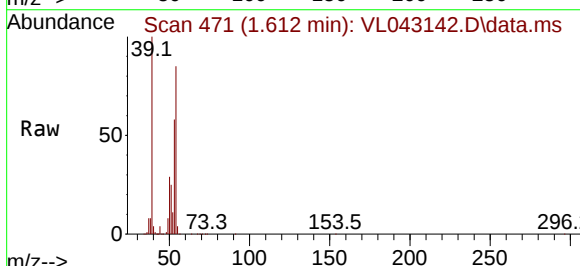
Instrument :
MSVOA_L
ClientSampleId :
VL1103ABS01

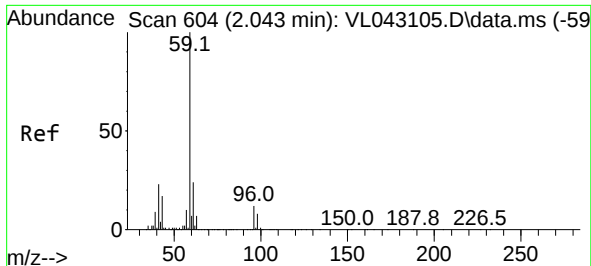
Tgt Ion: 43 Resp: 139513
Ion Ratio Lower Upper
43 100
58 26.0 20.8 31.2



#16
1,3-Butadiene
Concen: 8.533 ppbv
RT: 1.612 min Scan# 471
Delta R.T. 0.000 min
Lab File: VL043142.D
Acq: 03 Nov 2025 11:37

Tgt Ion: 39 Resp: 64472
Ion Ratio Lower Upper
39 100
54 72.8 59.0 88.4





#17

tert-Butyl alcohol

Concen: 9.643 ppbv

RT: 2.040 min Scan# 604

Delta R.T. -0.003 min

Lab File: VL043142.D

Acq: 03 Nov 2025 11:37

Instrument :

MSVOA_1

ClientSampleId :

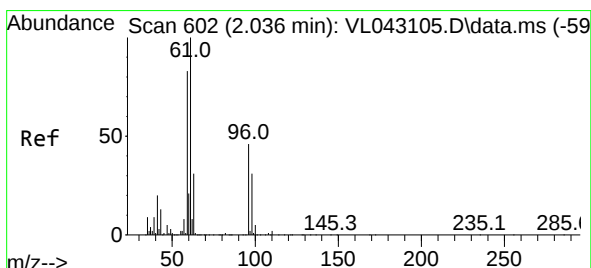
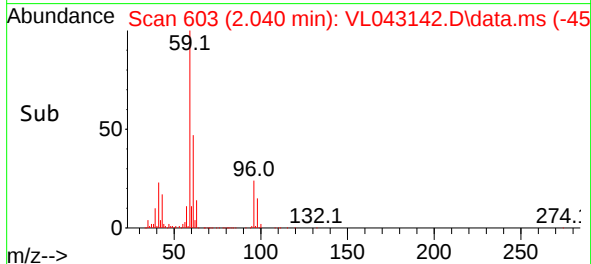
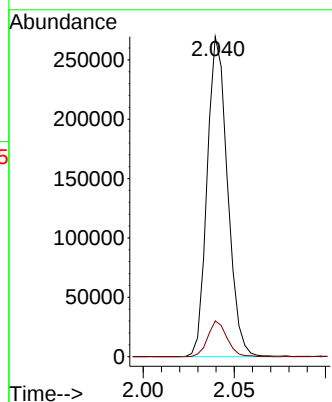
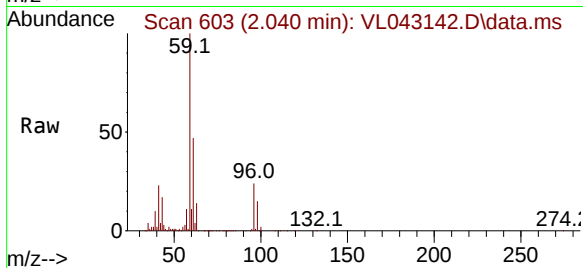
VL1103ABS01

Tgt Ion: 59 Resp: 209860

Ion Ratio Lower Upper

59 100

57 10.5 8.2 12.4



#18

1,1-Dichloroethene

Concen: 10.434 ppbv

RT: 2.036 min Scan# 602

Delta R.T. 0.000 min

Lab File: VL043142.D

Acq: 03 Nov 2025 11:37

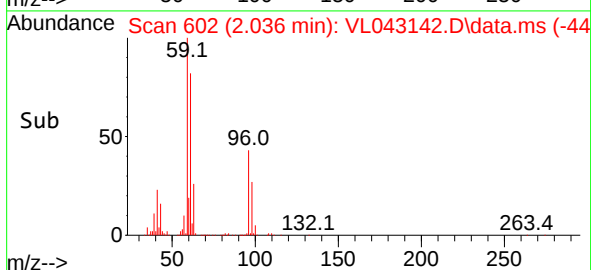
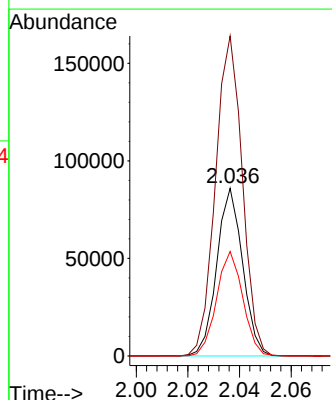
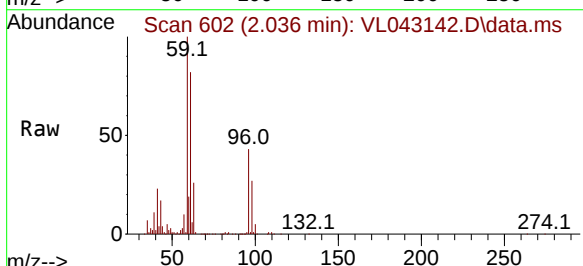
Tgt Ion: 96 Resp: 59905

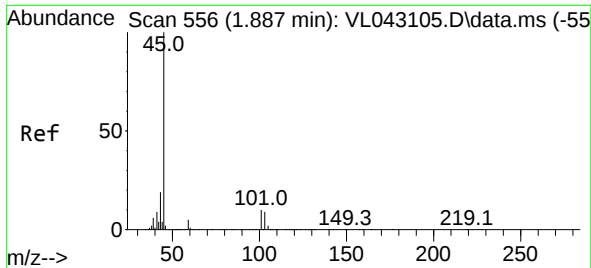
Ion Ratio Lower Upper

96 100

61 190.9 173.4 260.0

98 62.3 53.2 79.8

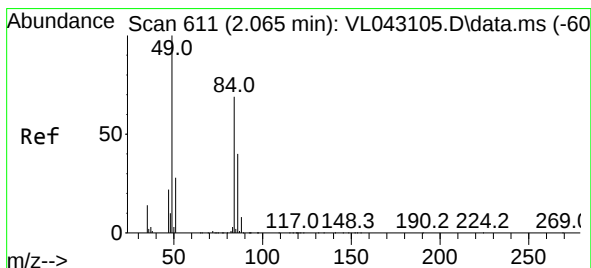
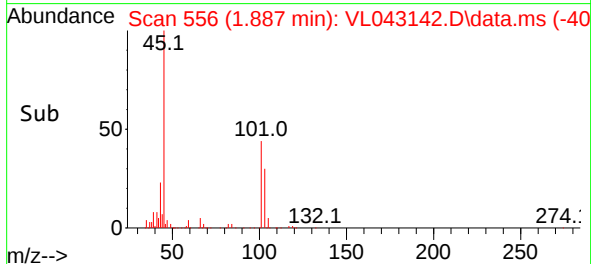
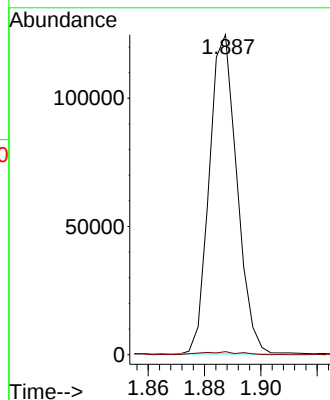
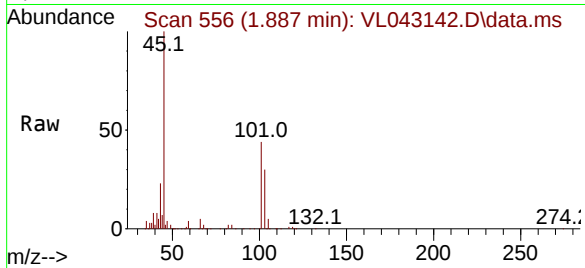




#19
Isopropyl Alcohol
Concen: 8.592 ppbv
RT: 1.887 min Scan# 51
Delta R.T. 0.000 min
Lab File: VL043142.D
Acq: 03 Nov 2025 11:37

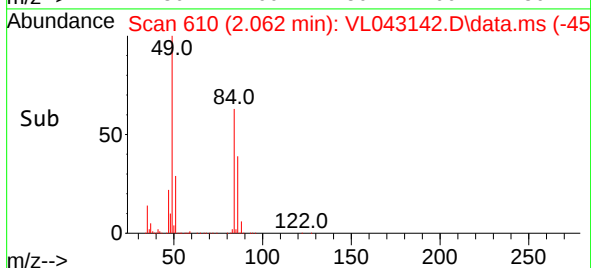
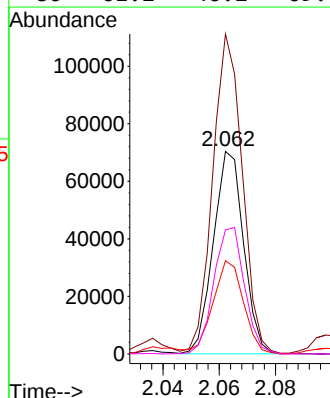
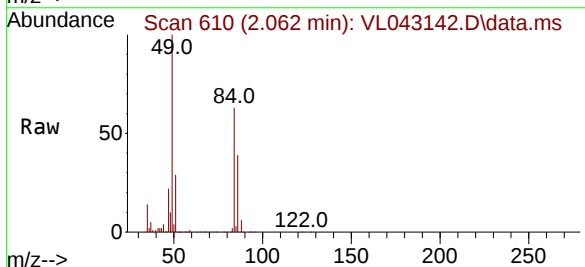
Instrument :
MSVOA_1
ClientSampleId :
VL1103ABS01

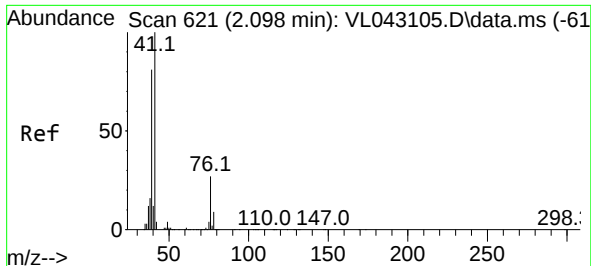
Tgt Ion: 45 Resp: 84841
Ion Ratio Lower Upper
45 100
58 42.8 31.3 46.9



#20
Methylene Chloride
Concen: 8.365 ppbv
RT: 2.062 min Scan# 610
Delta R.T. -0.003 min
Lab File: VL043142.D
Acq: 03 Nov 2025 11:37

Tgt Ion: 84 Resp: 52423
Ion Ratio Lower Upper
84 100
49 157.8 116.6 175.0
51 46.0 34.8 52.2
86 61.2 46.2 69.4

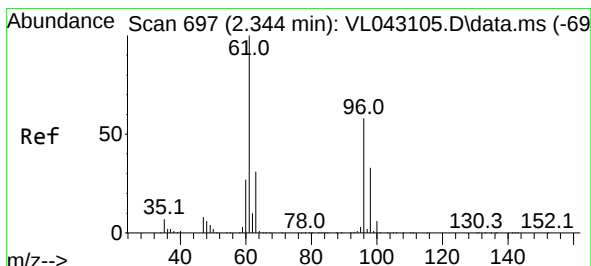
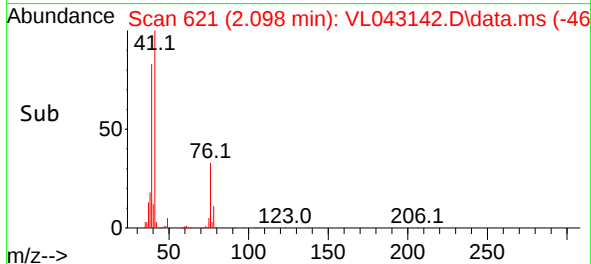
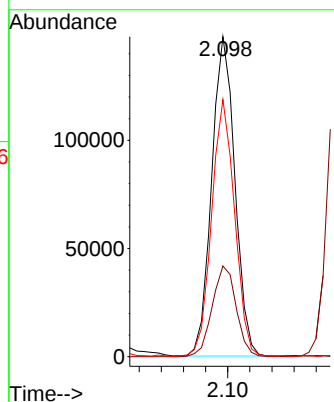
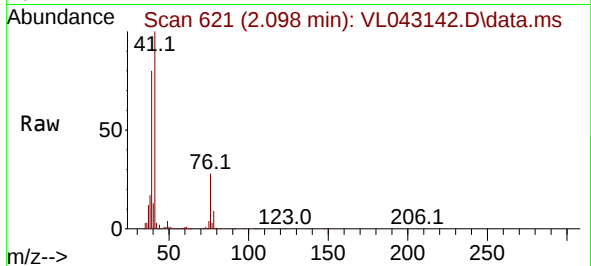




#21
 Allyl Chloride
 Concen: 9.195 ppbv
 RT: 2.098 min Scan# 61
 Delta R.T. 0.000 min
 Lab File: VL043142.D
 Acq: 03 Nov 2025 11:37

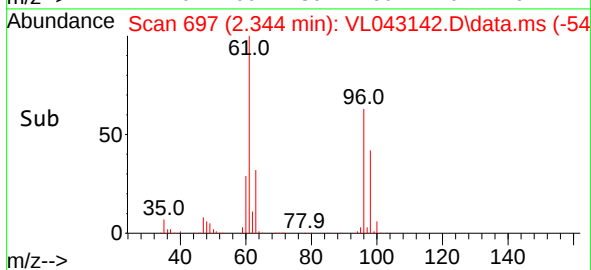
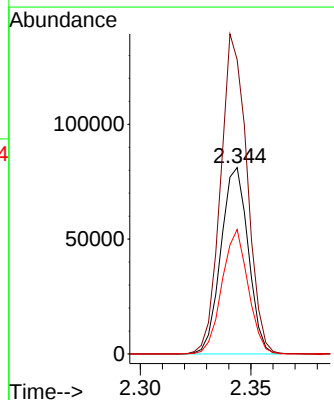
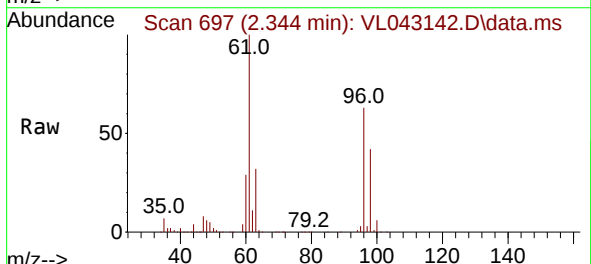
Instrument :
 MSVOA_1
 ClientSampleId :
 VL1103ABS01

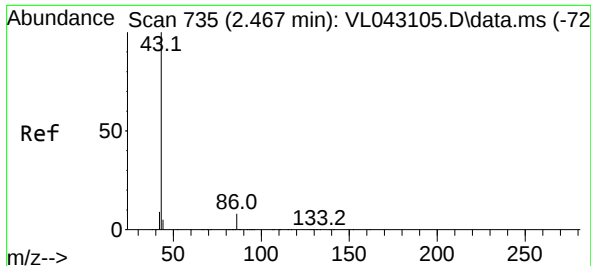
Tgt Ion: 41 Resp: 107417
 Ion Ratio Lower Upper
 41 100
 76 29.4 21.5 32.3
 39 79.5 60.8 91.2



#22
 trans-1,2-Dichloroethene
 Concen: 10.154 ppbv
 RT: 2.344 min Scan# 697
 Delta R.T. 0.000 min
 Lab File: VL043142.D
 Acq: 03 Nov 2025 11:37

Tgt Ion: 96 Resp: 69683
 Ion Ratio Lower Upper
 96 100
 61 158.0 137.0 205.6
 98 66.8 45.5 68.3



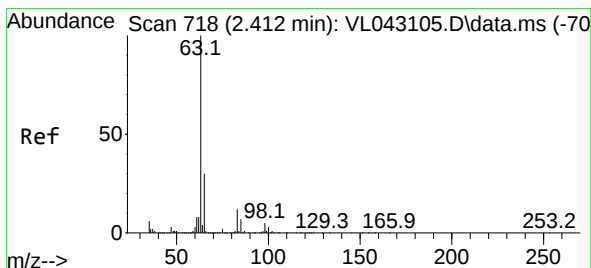
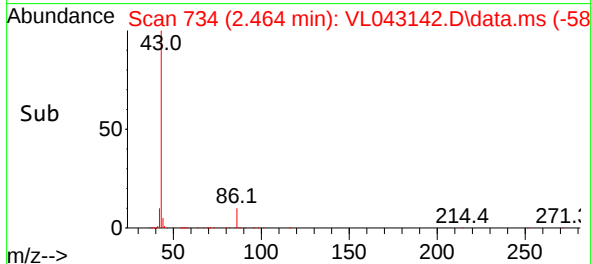
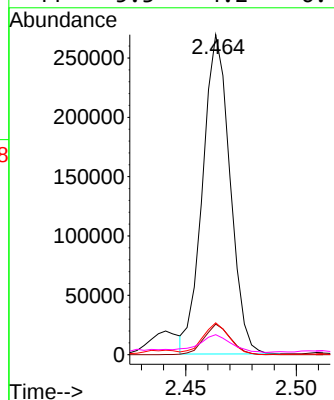
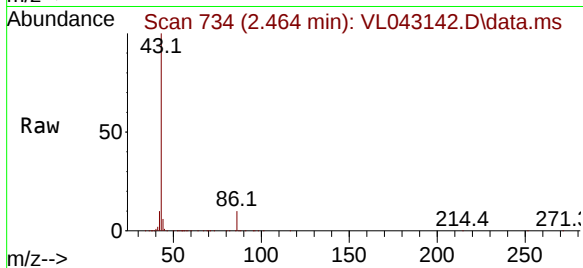


#23
 Vinyl Acetate
 Concen: 9.950 ppbv
 RT: 2.464 min Scan# 718
 Delta R.T. -0.003 min
 Lab File: VL043142.D
 Acq: 03 Nov 2025 11:37

Instrument :
 MSVOA_1
 ClientSampleId :
 VL1103ABS01

Tgt Ion: 43 Resp: 231081

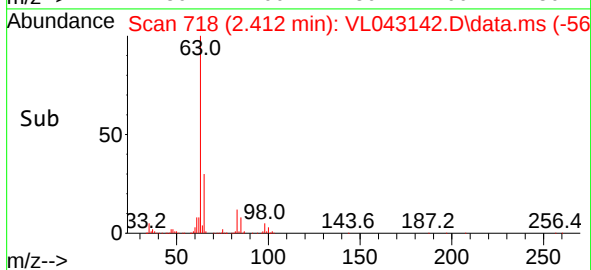
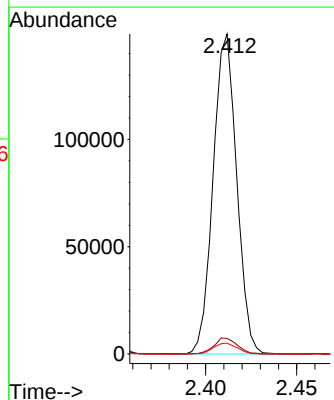
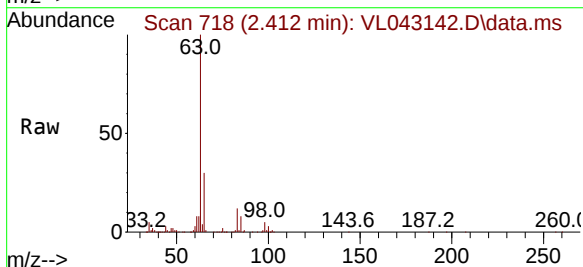
Ion	Ratio	Lower	Upper
43	100		
86	9.6	6.2	9.2#
42	9.9	7.6	11.4
44	5.3	4.2	6.4

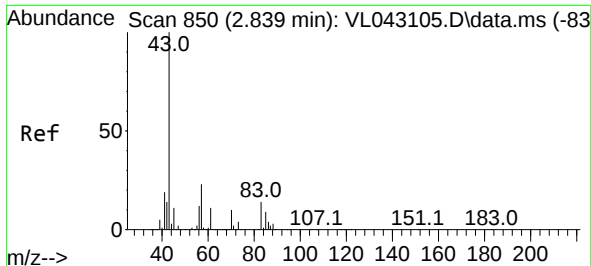


#24
 1,1-Dichloroethane
 Concen: 10.112 ppbv
 RT: 2.412 min Scan# 718
 Delta R.T. 0.000 min
 Lab File: VL043142.D
 Acq: 03 Nov 2025 11:37

Tgt Ion: 63 Resp: 134077

Ion	Ratio	Lower	Upper
63	100		
98	4.9	2.6	7.8
100	3.4	1.5	4.4

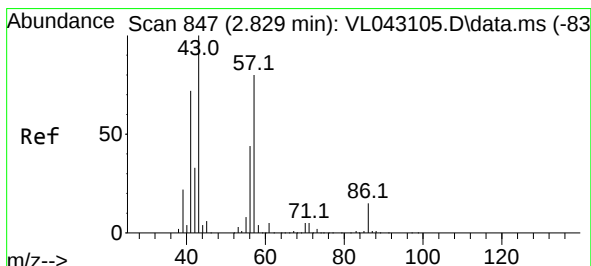
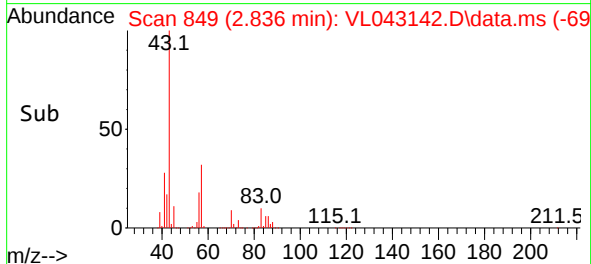
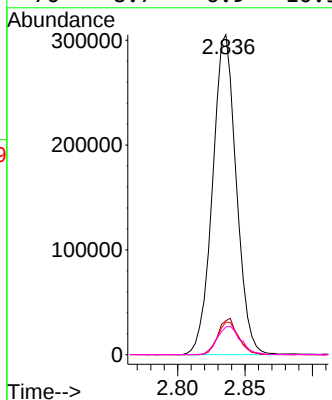
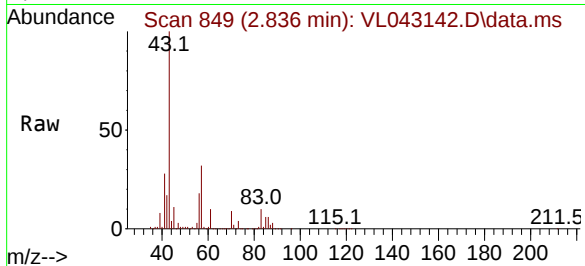




#25
Ethyl Acetate
Concen: 9.516 ppbv
RT: 2.836 min Scan# 849
Delta R.T. -0.003 min
Lab File: VL043142.D
Acq: 03 Nov 2025 11:37

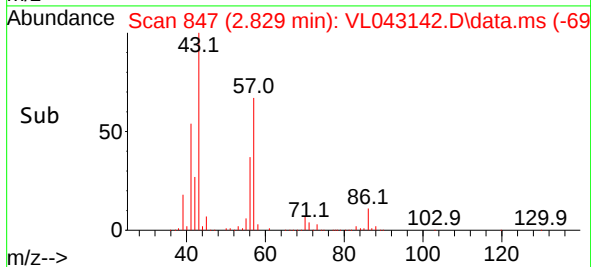
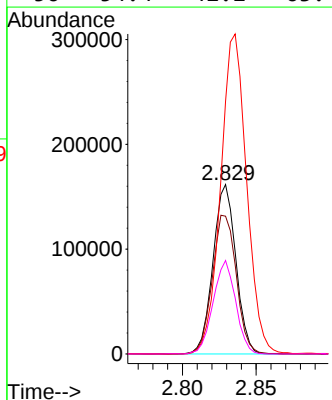
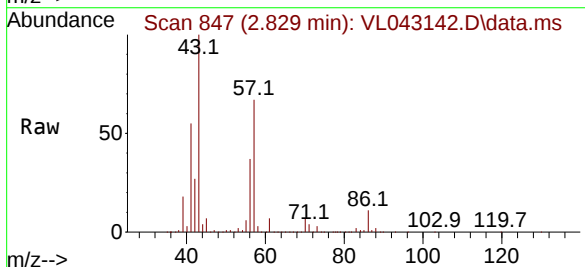
Instrument :
MSVOA_L
ClientSampleId :
VL1103ABS01

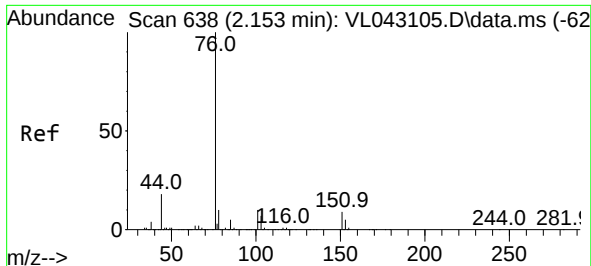
Tgt Ion: 43 Resp: 374117
Ion Ratio Lower Upper
43 100
45 9.8 7.8 11.8
61 9.1 7.0 10.6
70 8.7 6.9 10.3



#26
Hexane
Concen: 9.619 ppbv
RT: 2.829 min Scan# 847
Delta R.T. 0.000 min
Lab File: VL043142.D
Acq: 03 Nov 2025 11:37

Tgt Ion: 57 Resp: 174260
Ion Ratio Lower Upper
57 100
41 86.7 71.4 107.0
43 215.3 178.5 267.7
56 54.4 42.2 63.4

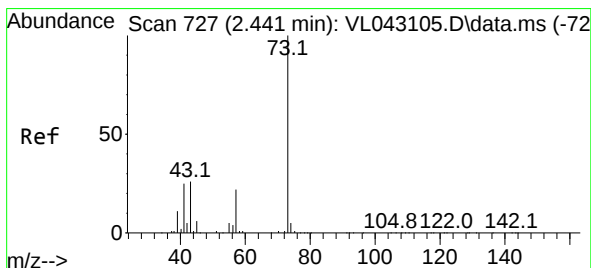
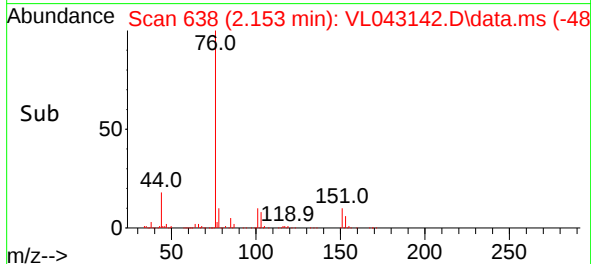
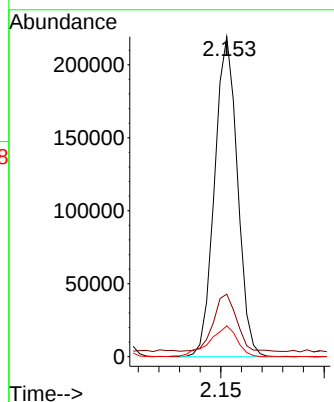
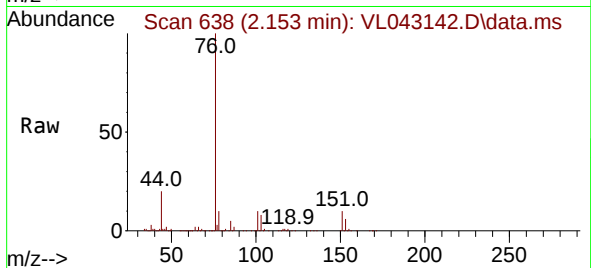




#27
Carbon Disulfide
Concen: 10.159 ppbv
RT: 2.153 min Scan# 611
Delta R.T. 0.000 min
Lab File: VL043142.D
Acq: 03 Nov 2025 11:37

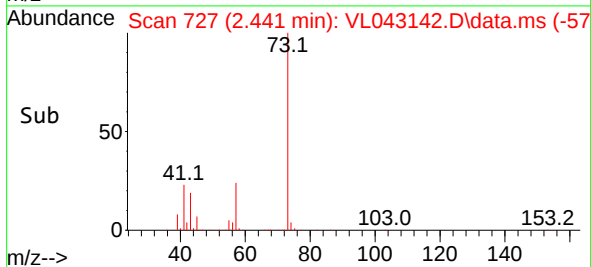
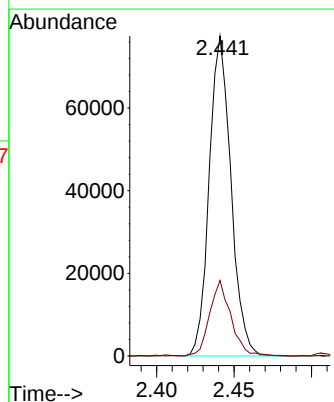
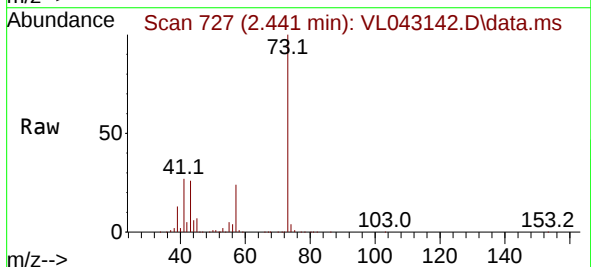
Instrument :
MSVOA_1
ClientSampleId :
VL1103ABS01

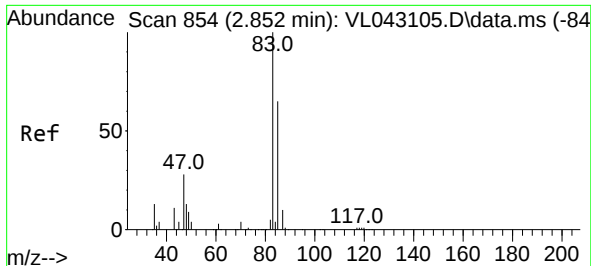
Tgt Ion: 76 Resp: 168620
Ion Ratio Lower Upper
76 100
44 24.5 16.7 25.1
78 11.7 9.3 13.9



#28
Methyl tert-Butyl Ether
Concen: 9.156 ppbv
RT: 2.441 min Scan# 727
Delta R.T. 0.000 min
Lab File: VL043142.D
Acq: 03 Nov 2025 11:37

Tgt Ion: 73 Resp: 75460
Ion Ratio Lower Upper
73 100
57 23.2 20.5 30.7





#29

Chloroform

Concen: 10.520 ppbv

RT: 2.849 min Scan# 853

Delta R.T. -0.003 min

Lab File: VL043142.D

Acq: 03 Nov 2025 11:37

Instrument :

MSVOA_L

ClientSampleId :

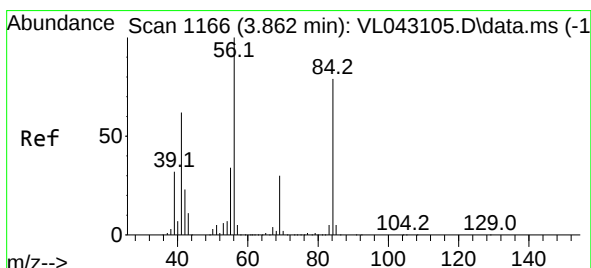
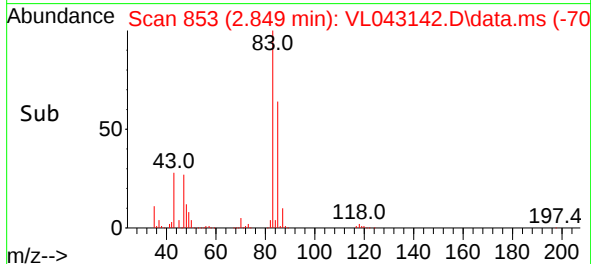
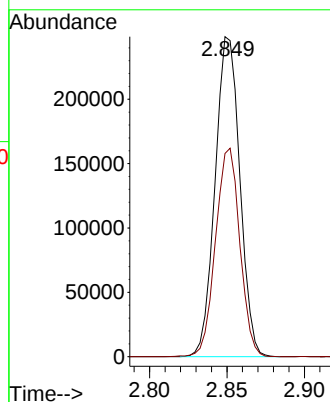
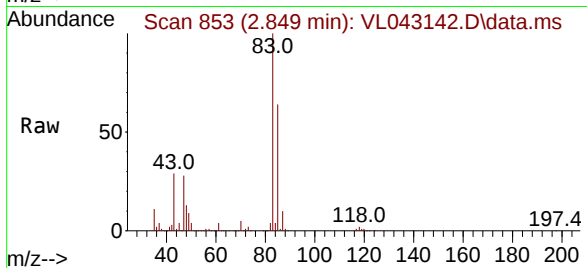
VL1103ABS01

Tgt Ion: 83 Resp: 276140

Ion Ratio Lower Upper

83 100

85 63.5 51.8 77.6



#30

Cyclohexane

Concen: 9.581 ppbv

RT: 3.862 min Scan# 1166

Delta R.T. 0.000 min

Lab File: VL043142.D

Acq: 03 Nov 2025 11:37

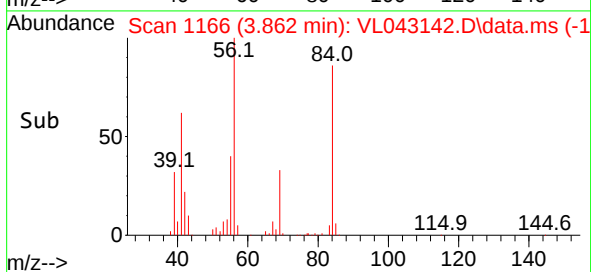
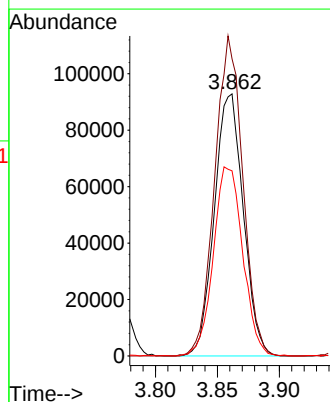
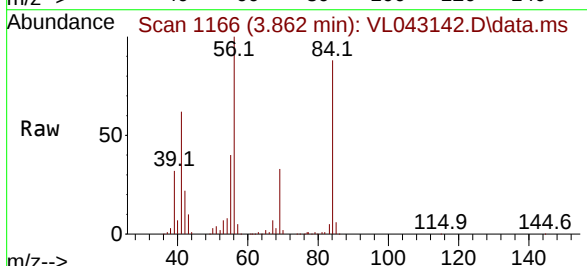
Tgt Ion: 84 Resp: 151500

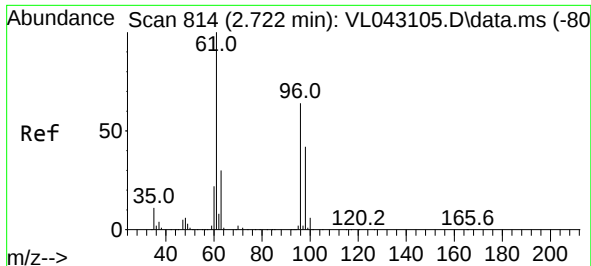
Ion Ratio Lower Upper

84 100

56 118.5 100.9 151.3

41 73.3 63.8 95.6

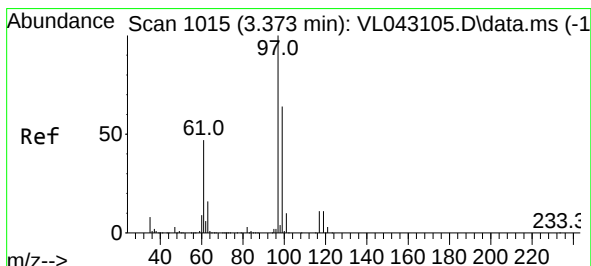
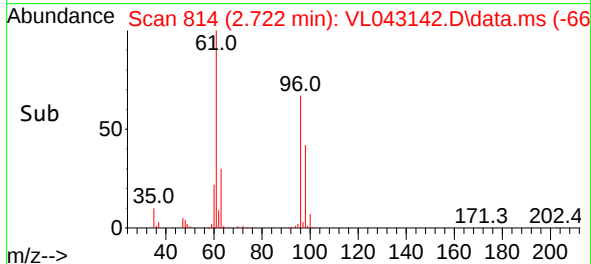
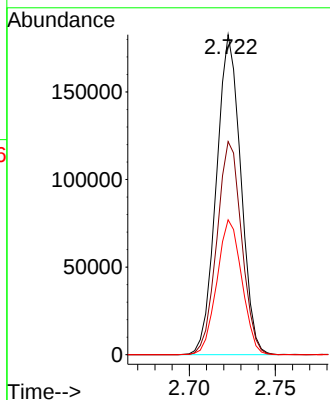
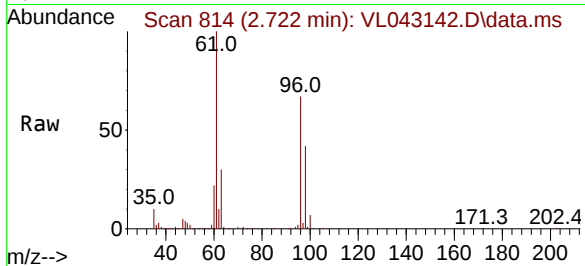




#31
 cis-1,2-Dichloroethene
 Concen: 10.419 ppbv
 RT: 2.722 min Scan# 814
 Delta R.T. 0.000 min
 Lab File: VL043142.D
 Acq: 03 Nov 2025 11:37

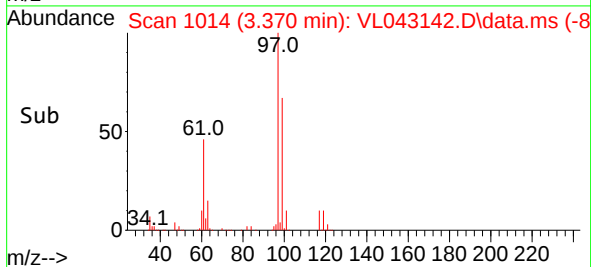
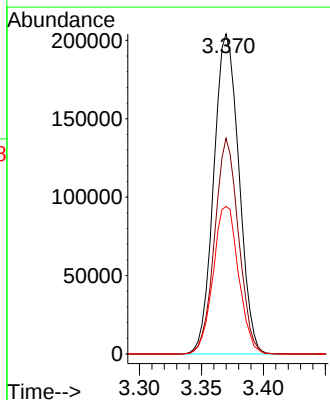
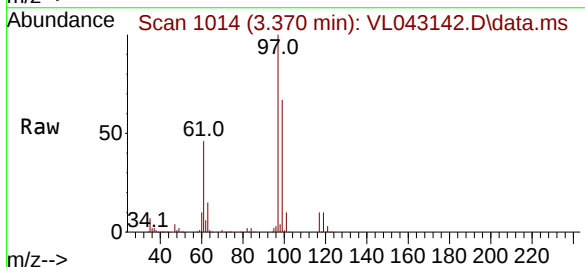
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1103ABS01

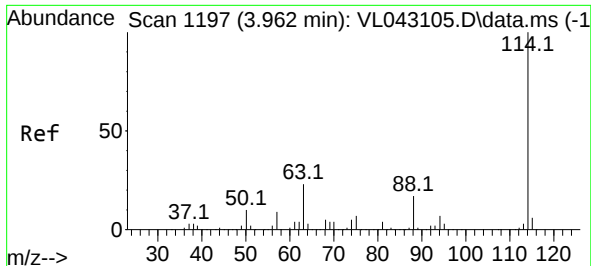
Tgt Ion: 61 Resp: 180245
 Ion Ratio Lower Upper
 61 100
 96 66.6 51.0 76.6
 98 42.1 33.5 50.3



#32
 1,1,1-Trichloroethane
 Concen: 10.574 ppbv
 RT: 3.370 min Scan# 1014
 Delta R.T. -0.003 min
 Lab File: VL043142.D
 Acq: 03 Nov 2025 11:37

Tgt Ion: 97 Resp: 289049
 Ion Ratio Lower Upper
 97 100
 99 64.0 51.3 76.9
 61 46.7 38.4 57.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.959 min Scan# 1196

Delta R.T. -0.003 min

Lab File: VL043142.D

Acq: 03 Nov 2025 11:37

Instrument :

MSVOA_L

ClientSampleId :

VL1103ABS01

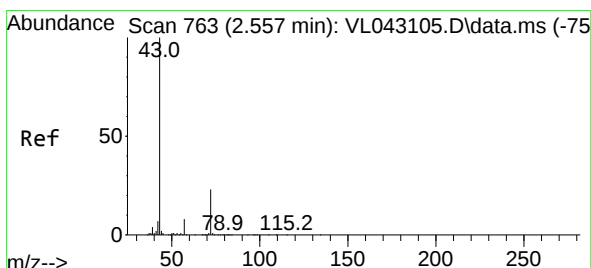
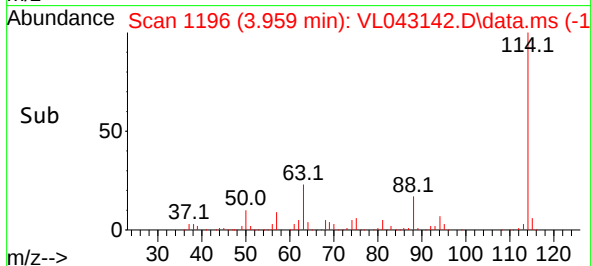
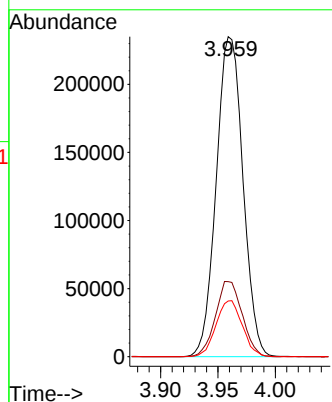
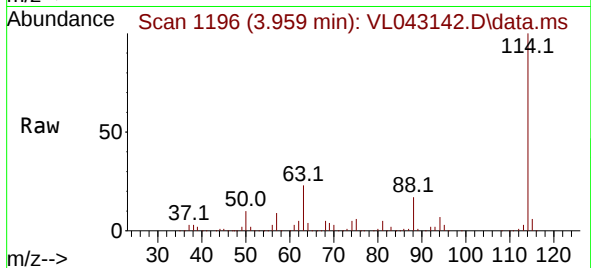
Tgt Ion:114 Resp: 380679

Ion Ratio Lower Upper

114 100

63 23.5 19.3 28.9

88 17.2 13.9 20.9



#34

2-Butanone

Concen: 9.579 ppbv

RT: 2.557 min Scan# 763

Delta R.T. 0.000 min

Lab File: VL043142.D

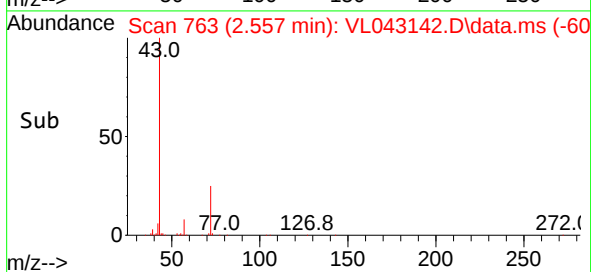
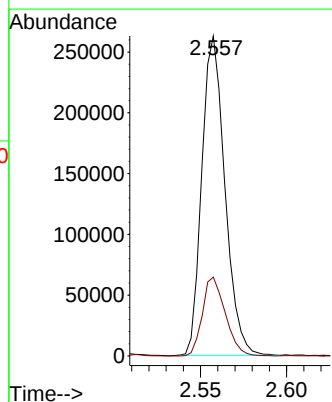
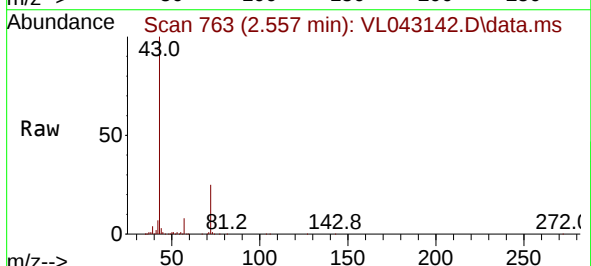
Acq: 03 Nov 2025 11:37

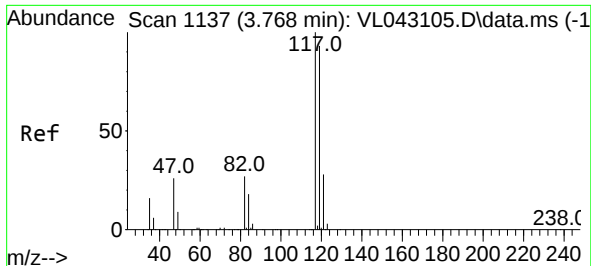
Tgt Ion: 43 Resp: 245117

Ion Ratio Lower Upper

43 100

72 24.6 18.4 27.6

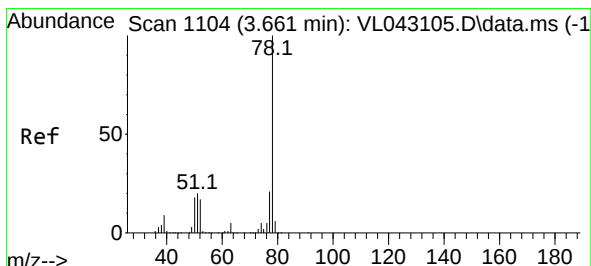
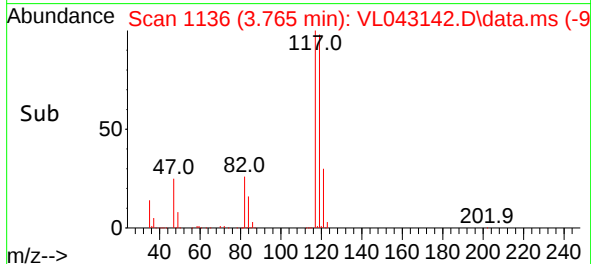
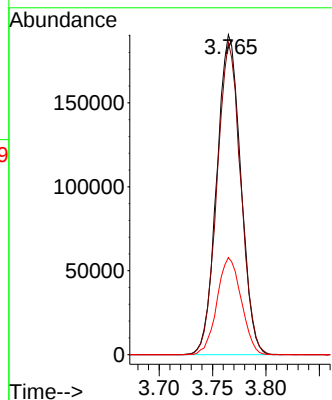
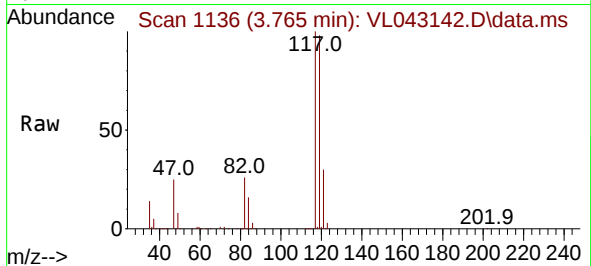




#35
Carbon Tetrachloride
Concen: 10.875 ppbv
RT: 3.765 min Scan# 1136
Delta R.T. -0.003 min
Lab File: VL043142.D
Acq: 03 Nov 2025 11:37

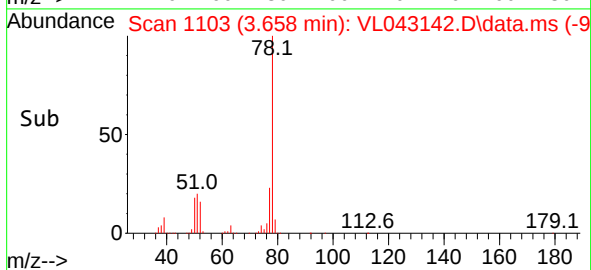
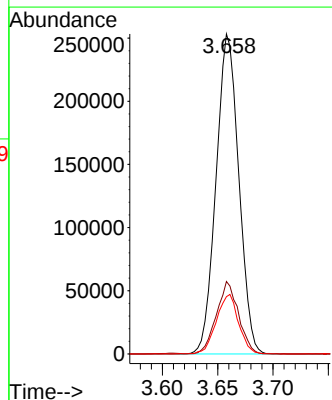
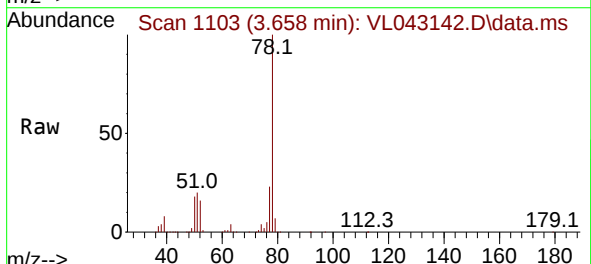
Instrument :
MSVOA_L
ClientSampleId :
VL1103ABS01

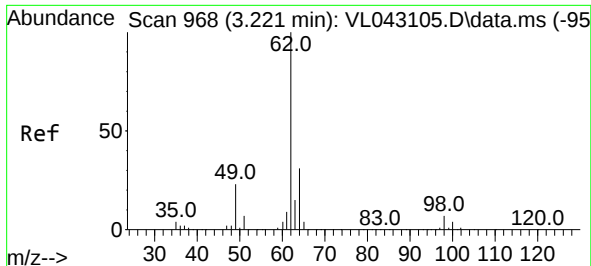
Tgt Ion:117 Resp: 297649
Ion Ratio Lower Upper
117 100
119 97.6 74.1 111.1
121 30.3 22.2 33.2



#36
Benzene
Concen: 10.099 ppbv
RT: 3.658 min Scan# 1103
Delta R.T. -0.003 min
Lab File: VL043142.D
Acq: 03 Nov 2025 11:37

Tgt Ion: 78 Resp: 362095
Ion Ratio Lower Upper
78 100
77 22.6 17.0 25.6
50 17.9 14.6 22.0

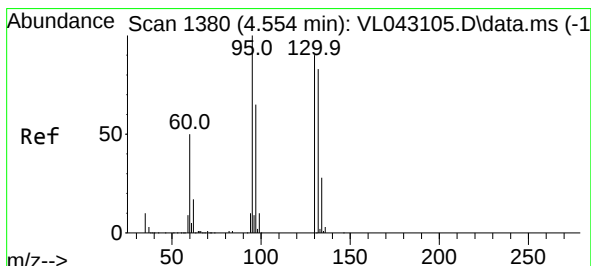
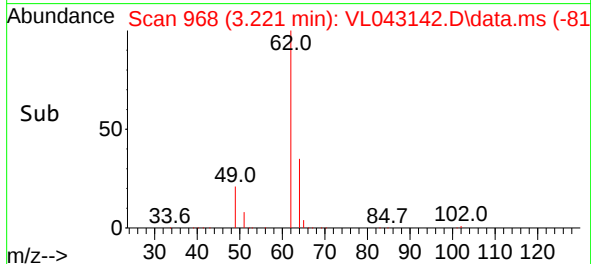
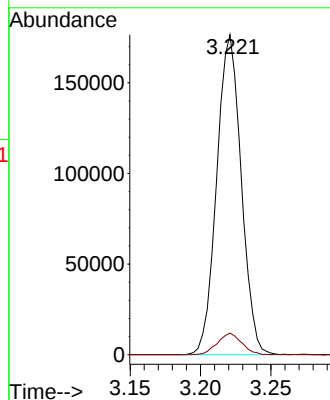
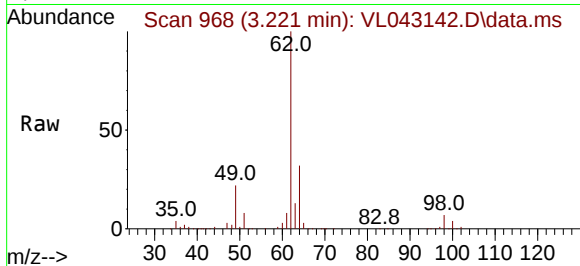




#37
1,2-Dichloroethane
Concen: 10.357 ppbv
RT: 3.221 min Scan# 968
Delta R.T. 0.000 min
Lab File: VL043142.D
Acq: 03 Nov 2025 11:37

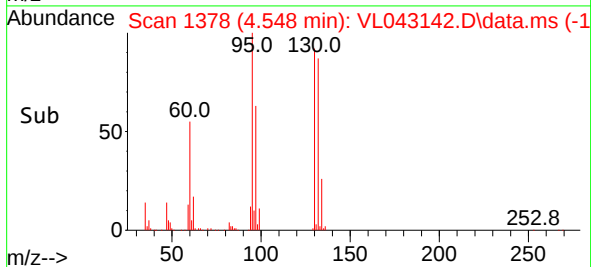
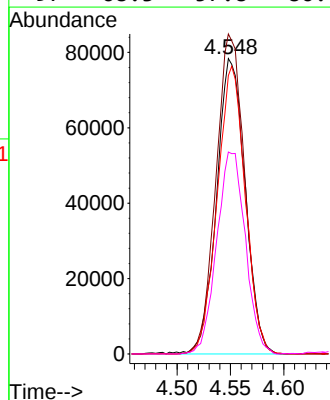
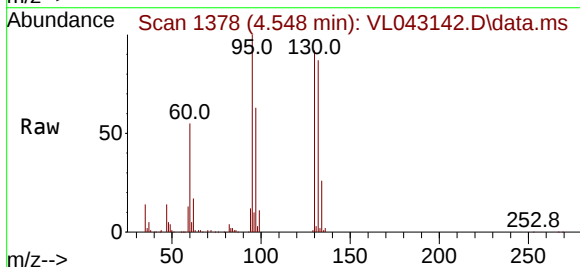
Instrument :
MSVOA_L
ClientSampleId :
VL1103ABS01

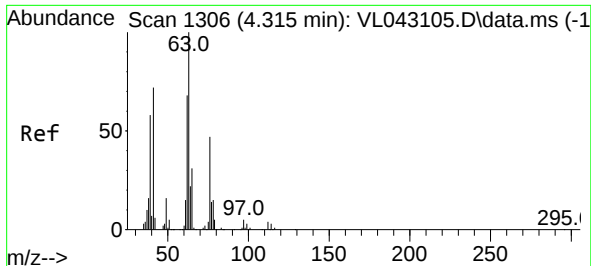
Tgt Ion: 62 Resp: 213929
Ion Ratio Lower Upper
62 100
98 6.7 5.8 8.6



#38
Trichloroethene
Concen: 9.700 ppbv
RT: 4.548 min Scan# 1378
Delta R.T. -0.006 min
Lab File: VL043142.D
Acq: 03 Nov 2025 11:37

Tgt Ion:130 Resp: 145247
Ion Ratio Lower Upper
130 100
95 108.3 88.6 133.0
132 94.0 73.4 110.0
97 68.3 57.8 86.6





#39

1,2-Dichloropropane

Concen: 9.696 ppbv

RT: 4.318 min Scan# 1

Delta R.T. 0.003 min

Lab File: VL043142.D

Acq: 03 Nov 2025 11:37

Instrument :

MSVOA_L

ClientSampleId :

VL1103ABS01

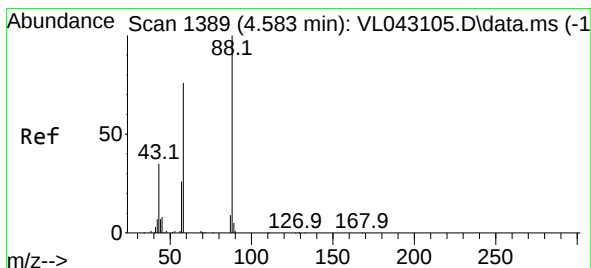
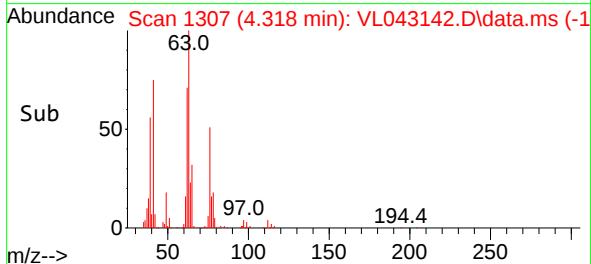
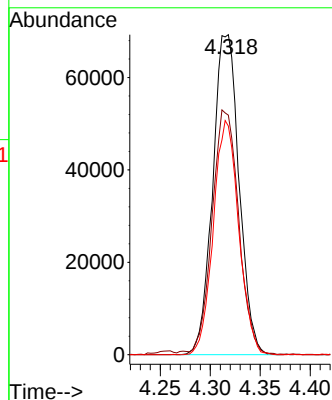
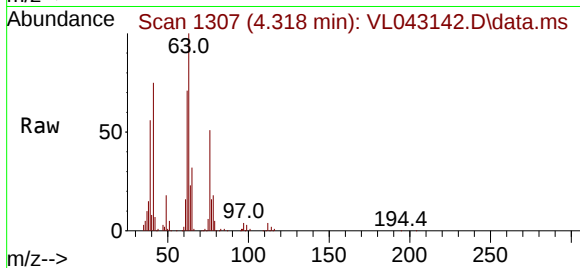
Tgt Ion: 63 Resp: 127088

Ion Ratio Lower Upper

63 100

41 74.6 58.0 87.0

62 71.5 54.7 82.1



#40

1,4-Dioxane

Concen: 9.726 ppbv

RT: 4.580 min Scan# 1388

Delta R.T. -0.003 min

Lab File: VL043142.D

Acq: 03 Nov 2025 11:37

Tgt Ion: 88 Resp: 57050

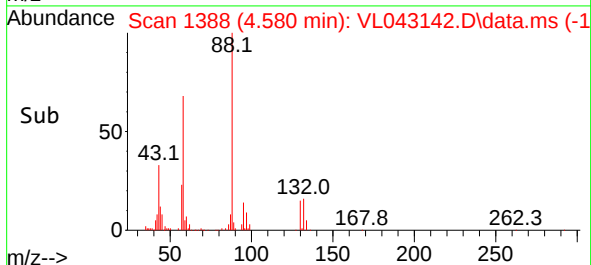
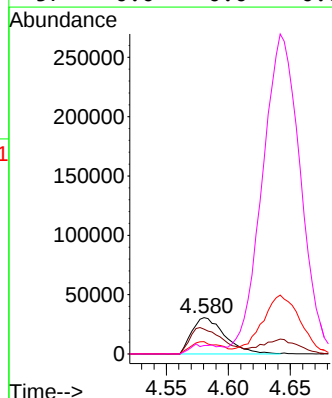
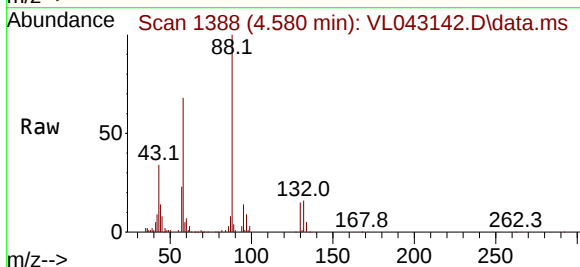
Ion Ratio Lower Upper

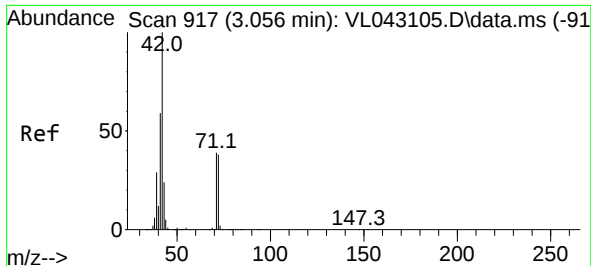
88 100

58 70.9 61.1 91.7

43 31.2 24.0 36.0

57 0.0 0.0 0.0

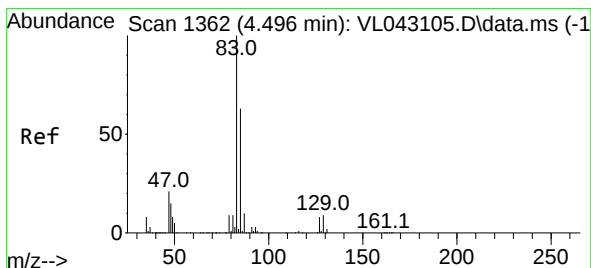
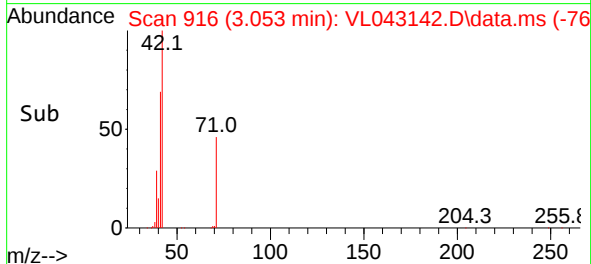
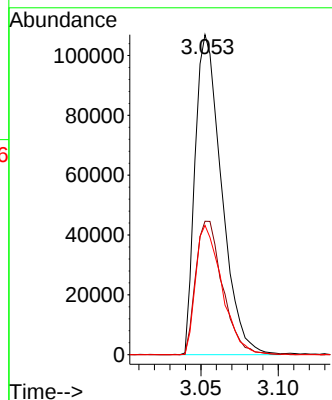
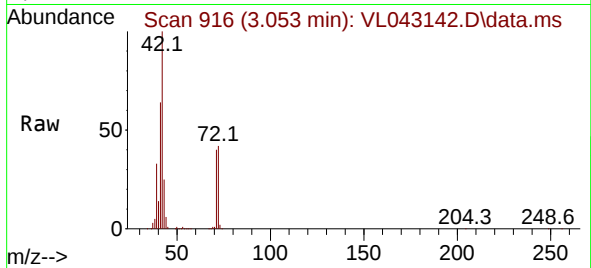




#41
Tetrahydrofuran
Concen: 8.893 ppbv
RT: 3.053 min Scan# 916
Delta R.T. -0.003 min
Lab File: VL043142.D
Acq: 03 Nov 2025 11:37

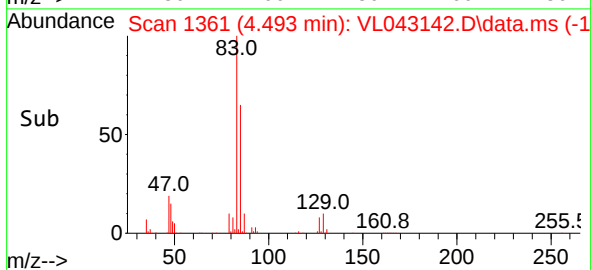
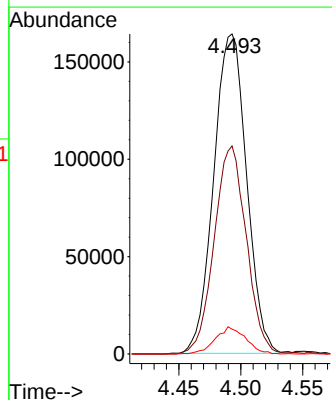
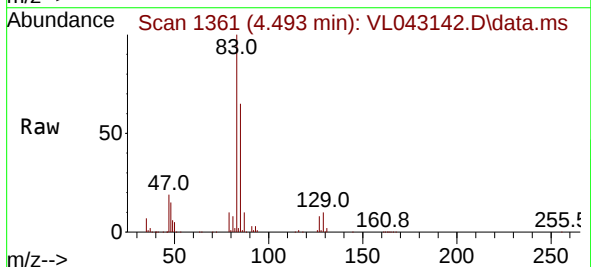
Instrument :
MSVOA_L
ClientSampleId :
VL1103ABS01

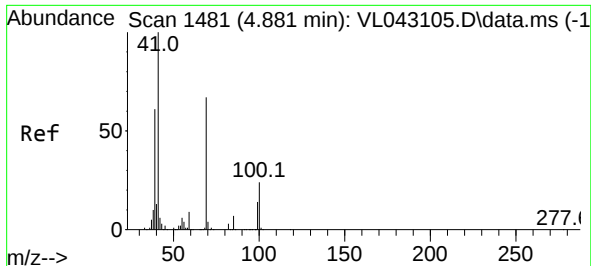
Tgt Ion: 42 Resp: 127277
Ion Ratio Lower Upper
42 100
72 42.4 31.3 46.9
71 40.1 30.4 45.6



#42
Bromodichloromethane
Concen: 10.605 ppbv
RT: 4.493 min Scan# 1361
Delta R.T. -0.003 min
Lab File: VL043142.D
Acq: 03 Nov 2025 11:37

Tgt Ion: 83 Resp: 303172
Ion Ratio Lower Upper
83 100
85 64.8 50.6 75.8
127 7.8 6.3 9.5

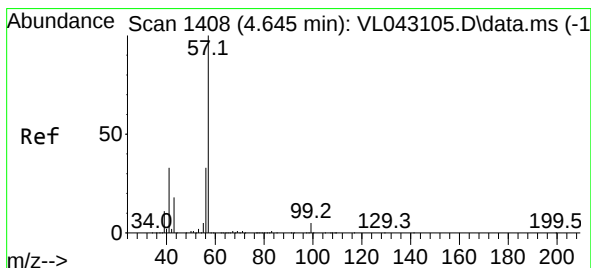
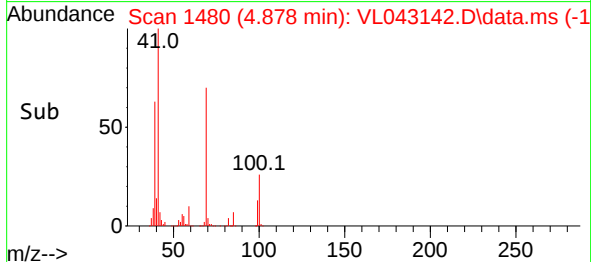
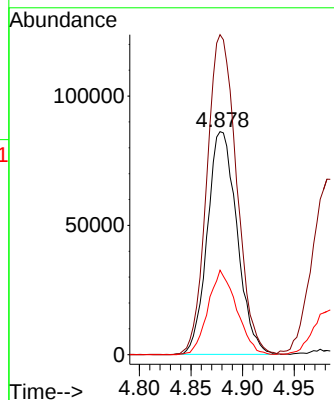
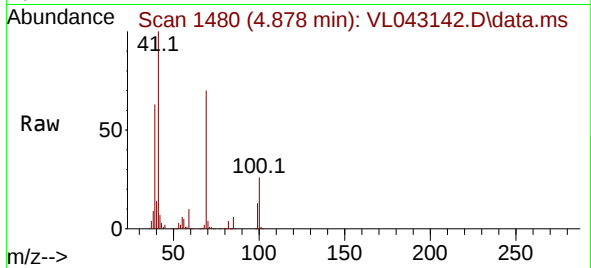




#43
Methyl Methacrylate
Concen: 9.440 ppbv
RT: 4.878 min Scan# 1480
Delta R.T. -0.003 min
Lab File: VL043142.D
Acq: 03 Nov 2025 11:37

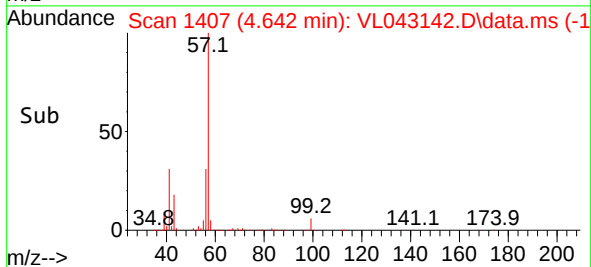
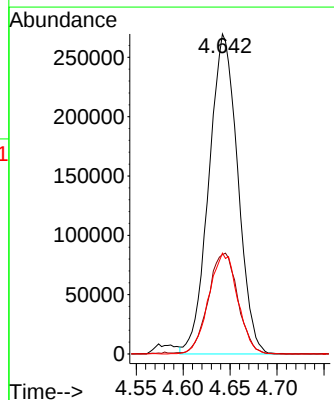
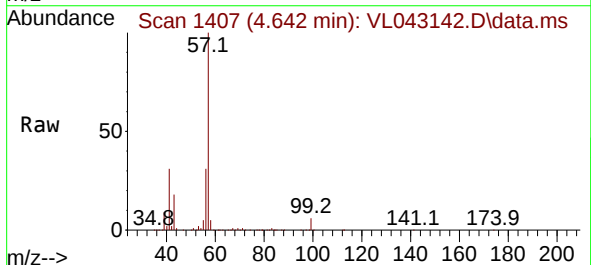
Instrument :
MSVOA_1
ClientSampleId :
VL1103ABS01

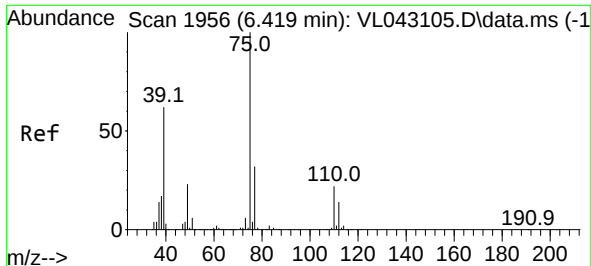
Tgt Ion: 69 Resp: 171912
Ion Ratio Lower Upper
69 100
41 144.1 120.5 180.7
100 36.5 29.0 43.4



#44
2,2,4-Trimethylpentane
Concen: 9.525 ppbv
RT: 4.642 min Scan# 1407
Delta R.T. -0.003 min
Lab File: VL043142.D
Acq: 03 Nov 2025 11:37

Tgt Ion: 57 Resp: 576172
Ion Ratio Lower Upper
57 100
41 32.7 26.3 39.5
56 31.7 25.9 38.9

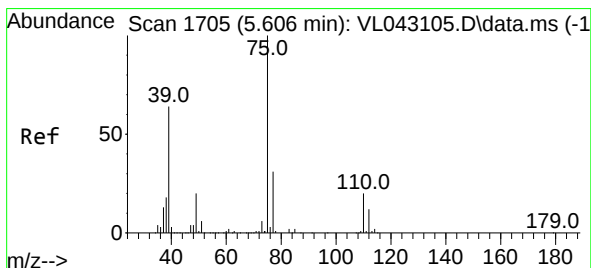
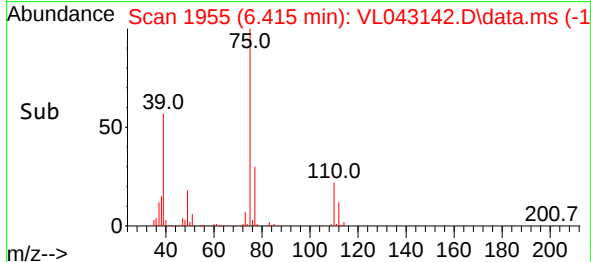
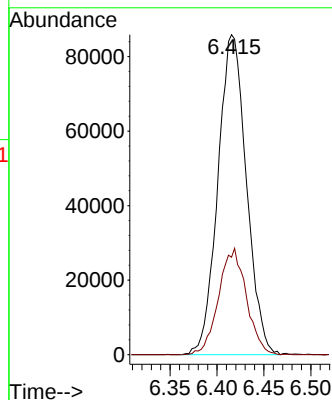
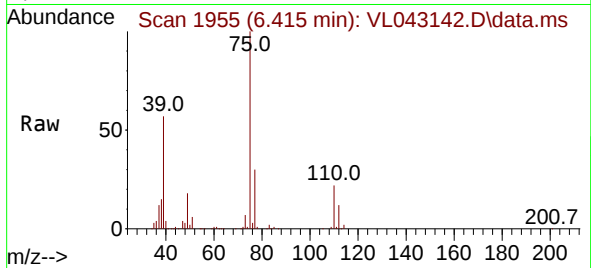




#45
t-1,3-Dichloropropene
Concen: 9.922 ppbv
RT: 6.415 min Scan# 1956
Delta R.T. -0.003 min
Lab File: VL043142.D
Acq: 03 Nov 2025 11:37

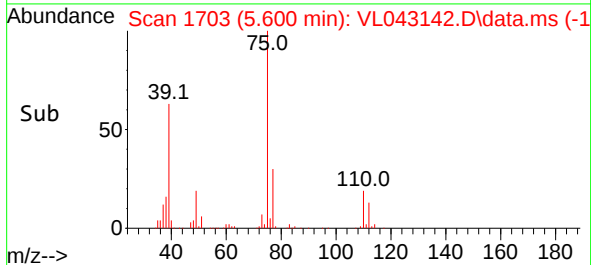
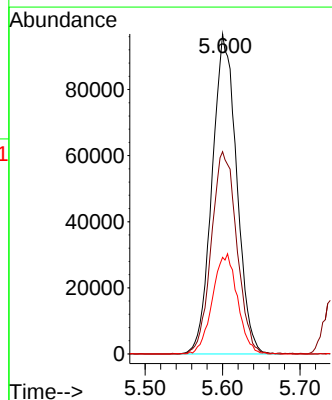
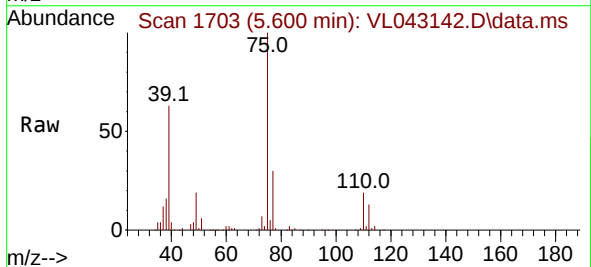
Instrument :
MSVOA_L
ClientSampleId :
VL1103ABS01

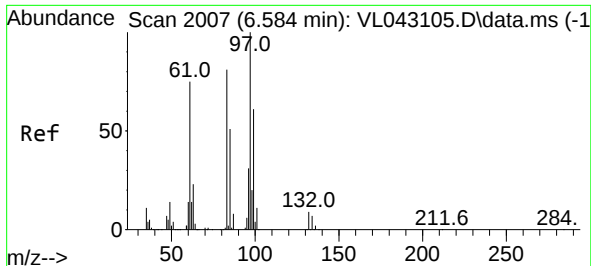
Tgt Ion: 75 Resp: 181316
Ion Ratio Lower Upper
75 100
77 30.5 25.4 38.2



#46
cis-1,3-Dichloropropene
Concen: 9.759 ppbv
RT: 5.600 min Scan# 1703
Delta R.T. -0.006 min
Lab File: VL043142.D
Acq: 03 Nov 2025 11:37

Tgt Ion: 75 Resp: 213049
Ion Ratio Lower Upper
75 100
39 63.1 51.0 76.6
77 30.2 25.0 37.4





#47

1,1,2-Trichloroethane

Concen: 9.870 ppbv

RT: 6.581 min Scan# 2007

Delta R.T. -0.003 min

Lab File: VL043142.D

Acq: 03 Nov 2025 11:37

Instrument :

MSVOA_L

ClientSampleId :

VL1103ABS01

Tgt Ion: 97 Resp: 139713

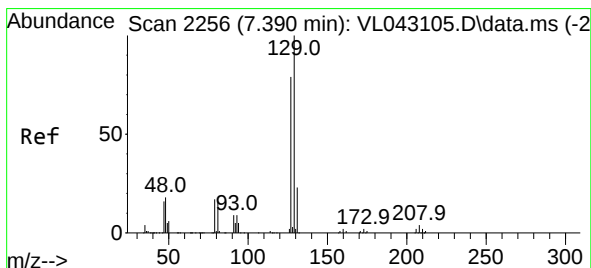
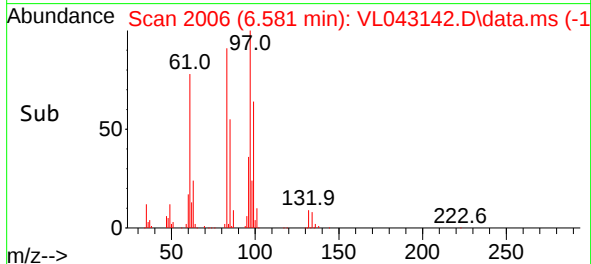
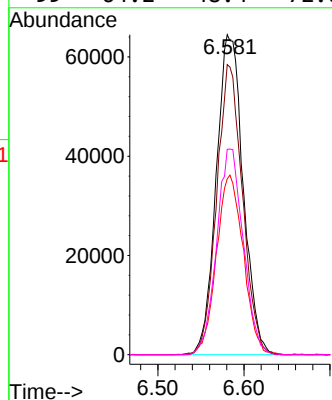
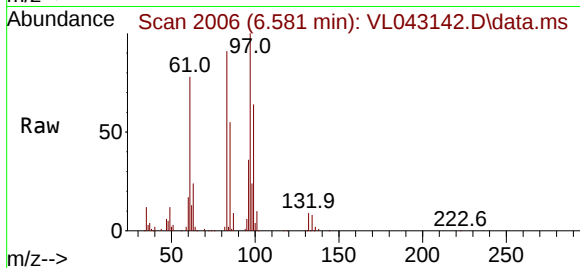
Ion Ratio Lower Upper

97 100

83 90.6 64.6 96.8

85 55.0 40.6 60.8

99 64.2 48.4 72.6



#48

Dibromochloromethane

Concen: 10.617 ppbv

RT: 7.386 min Scan# 2255

Delta R.T. -0.003 min

Lab File: VL043142.D

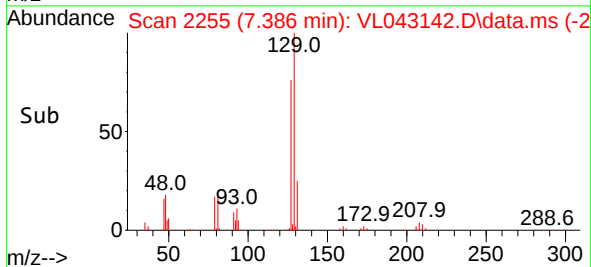
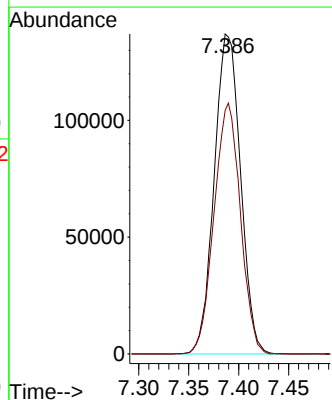
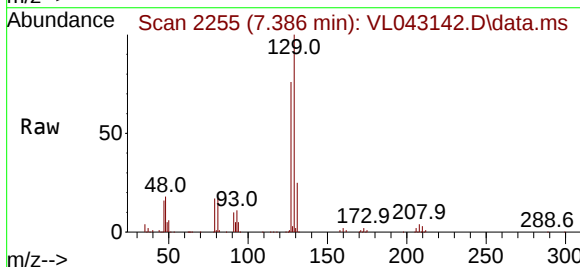
Acq: 03 Nov 2025 11:37

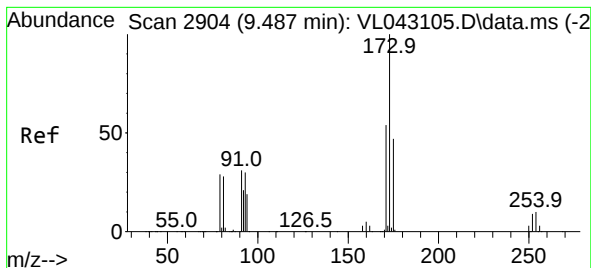
Tgt Ion: 129 Resp: 251265

Ion Ratio Lower Upper

129 100

127 78.5 39.3 117.9





#49

Bromoform

Concen: 11.250 ppbv

RT: 9.484 min Scan# 2904

Delta R.T. -0.003 min

Lab File: VL043142.D

Acq: 03 Nov 2025 11:37

Instrument :

MSVOA_L

ClientSampleId :

VL1103ABS01

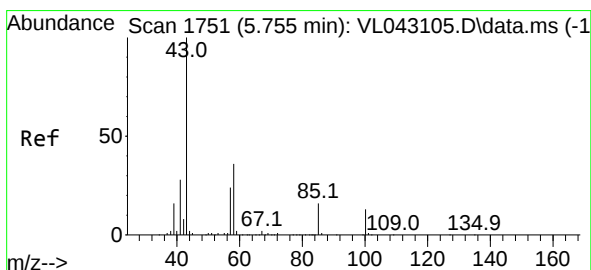
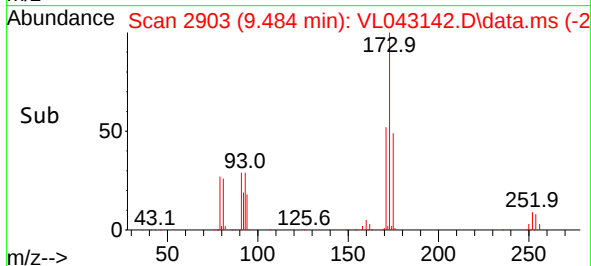
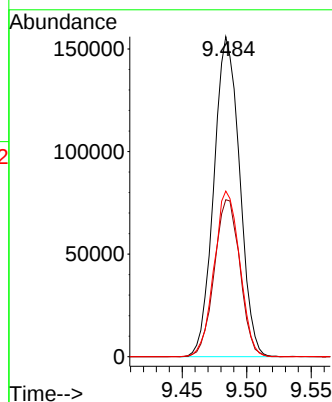
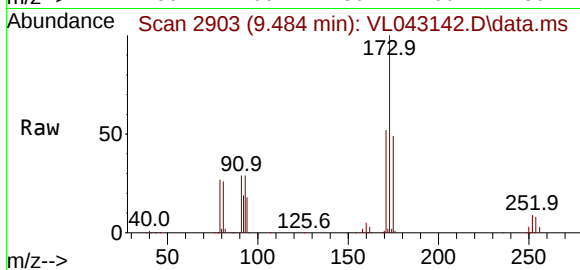
Tgt Ion:173 Resp: 216418

Ion Ratio Lower Upper

173 100

175 48.8 38.8 58.2

171 51.4 41.7 62.5



#50

4-Methyl-2-Pentanone

Concen: 8.977 ppbv

RT: 5.745 min Scan# 1748

Delta R.T. -0.010 min

Lab File: VL043142.D

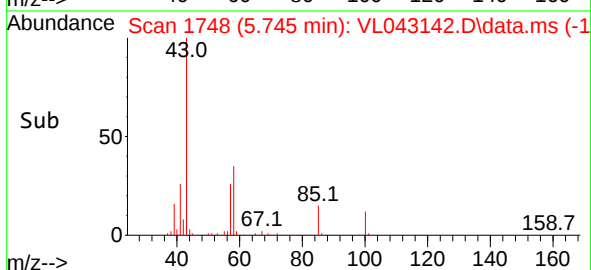
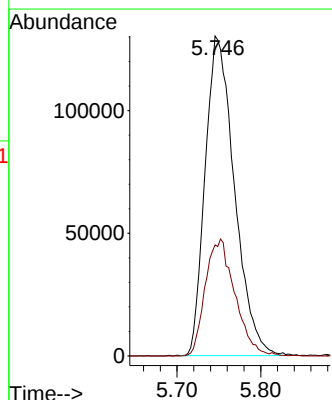
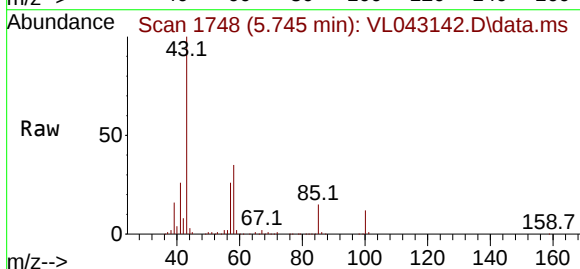
Acq: 03 Nov 2025 11:37

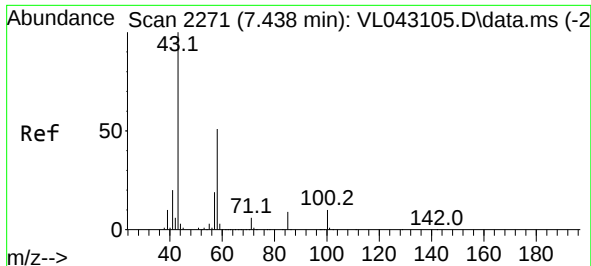
Tgt Ion: 43 Resp: 317012

Ion Ratio Lower Upper

43 100

58 37.0 29.1 43.7

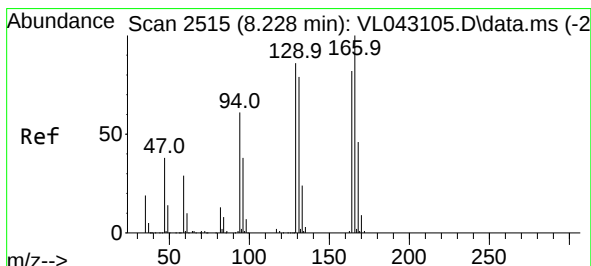
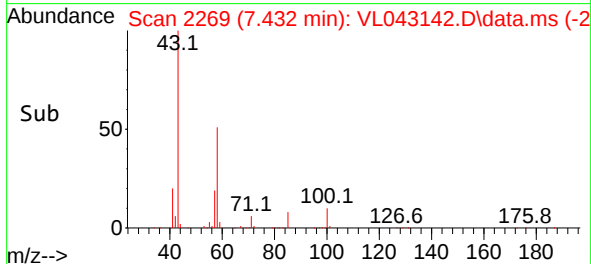
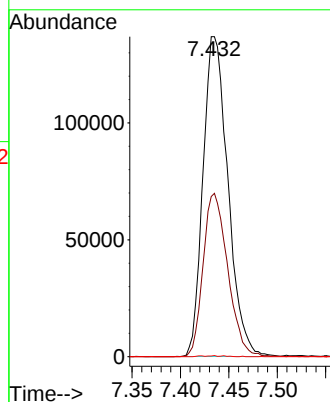
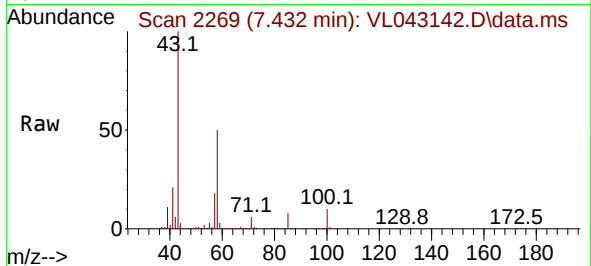




#51
2-Hexanone
Concen: 9.253 ppbv
RT: 7.432 min Scan# 21
Delta R.T. -0.006 min
Lab File: VL043142.D
Acq: 03 Nov 2025 11:37

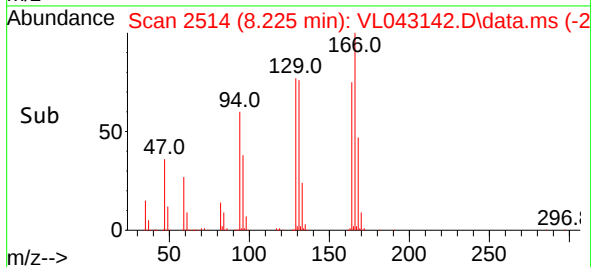
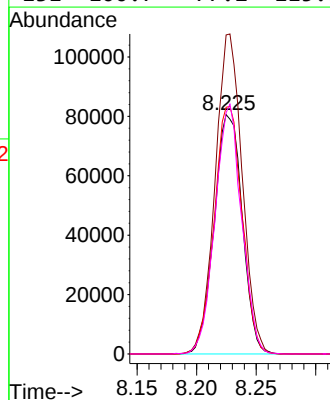
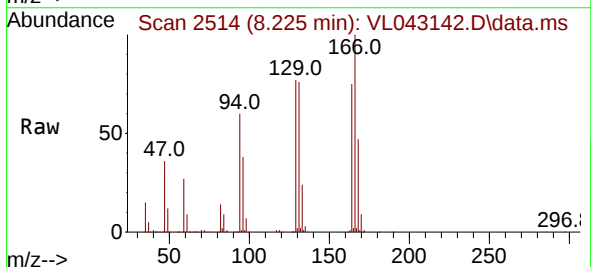
Instrument :
MSVOA_L
ClientSampleId :
VL1103ABS01

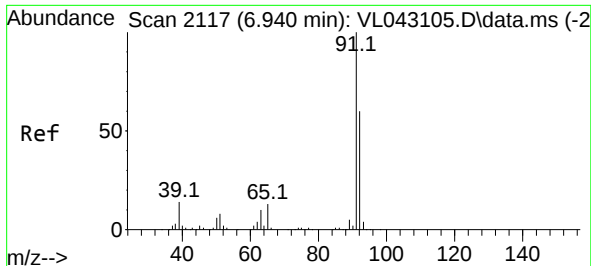
Tgt Ion: 43 Resp: 245085
Ion Ratio Lower Upper
43 100
58 50.4 40.4 60.6
98 0.3 0.1 0.1#



#52
Tetrachloroethene
Concen: 10.189 ppbv
RT: 8.225 min Scan# 2514
Delta R.T. -0.003 min
Lab File: VL043142.D
Acq: 03 Nov 2025 11:37

Tgt Ion: 164 Resp: 131735
Ion Ratio Lower Upper
164 100
166 133.2 97.6 146.4
129 103.0 84.5 126.7
131 100.7 77.2 115.8

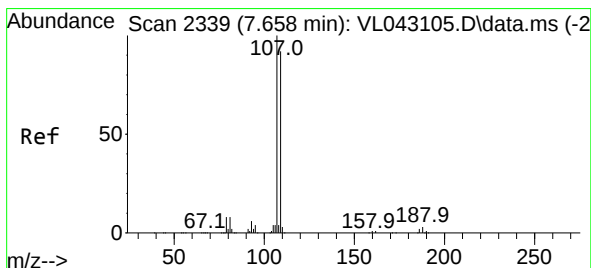
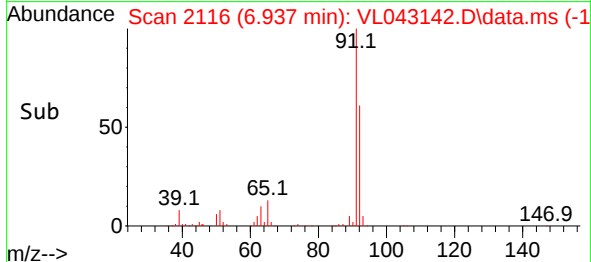
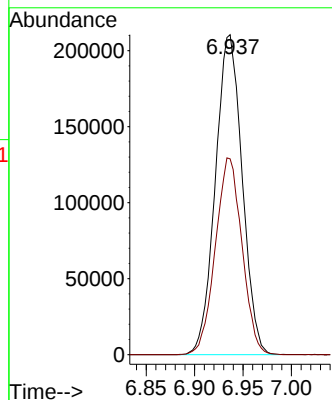
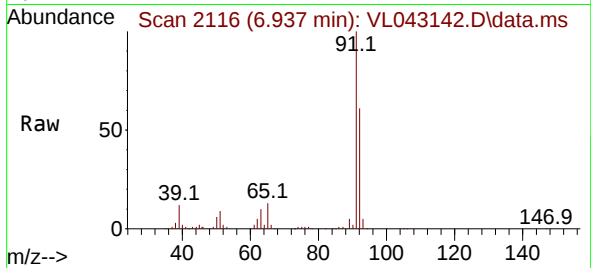




#53
Toluene
Concen: 9.545 ppbv
RT: 6.937 min Scan# 2116
Delta R.T. -0.003 min
Lab File: VL043142.D
Acq: 03 Nov 2025 11:37

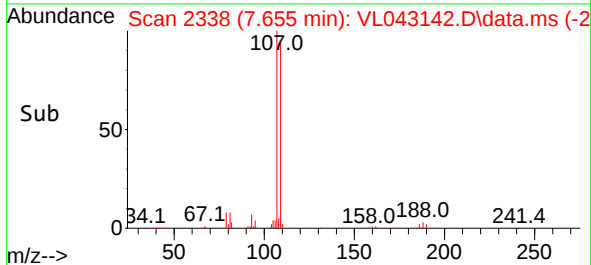
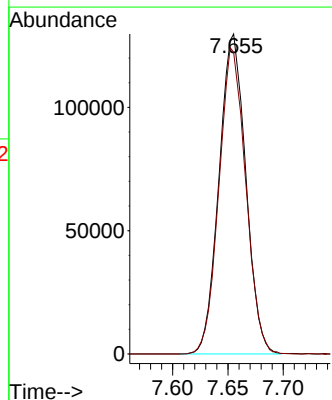
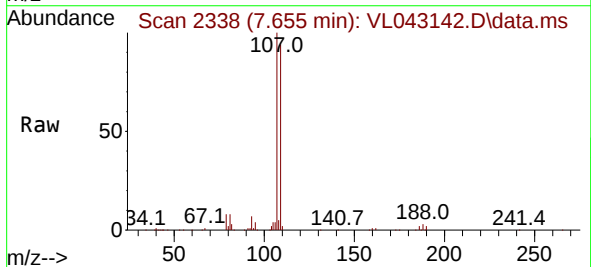
Instrument :
MSVOA_L
ClientSampleId :
VL1103ABS01

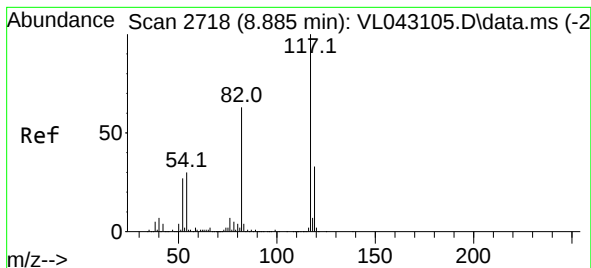
Tgt Ion: 91 Resp: 406164
Ion Ratio Lower Upper
91 100
92 61.0 48.8 73.2



#54
1,2-Dibromoethane
Concen: 9.843 ppbv
RT: 7.655 min Scan# 2338
Delta R.T. -0.003 min
Lab File: VL043142.D
Acq: 03 Nov 2025 11:37

Tgt Ion: 107 Resp: 218228
Ion Ratio Lower Upper
107 100
109 94.3 73.4 110.2





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.882 min Scan# 2718

Delta R.T. -0.003 min

Lab File: VL043142.D

Acq: 03 Nov 2025 11:37

Instrument :

MSVOA_1

ClientSampleId :

VL1103ABS01

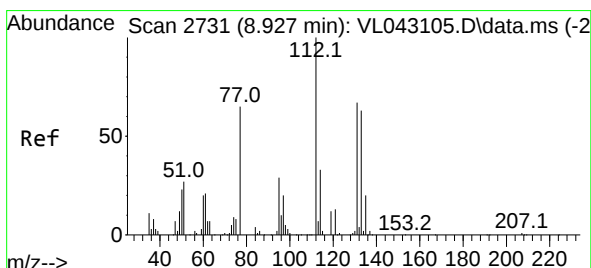
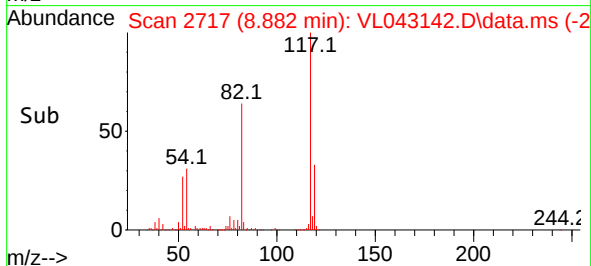
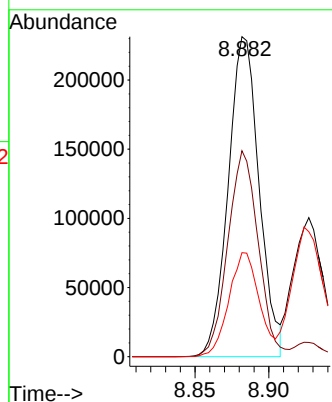
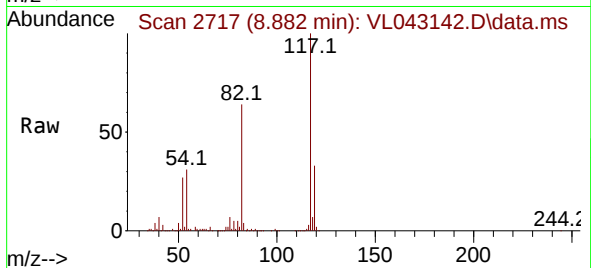
Tgt Ion:117 Resp: 337466

Ion Ratio Lower Upper

117 100

82 67.3 53.8 80.8

119 31.3 25.4 38.0



#56

1,1,1,2-Tetrachloroethane

Concen: 10.787 ppbv

RT: 8.927 min Scan# 2731

Delta R.T. 0.000 min

Lab File: VL043142.D

Acq: 03 Nov 2025 11:37

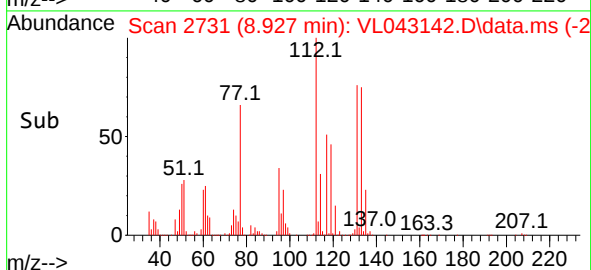
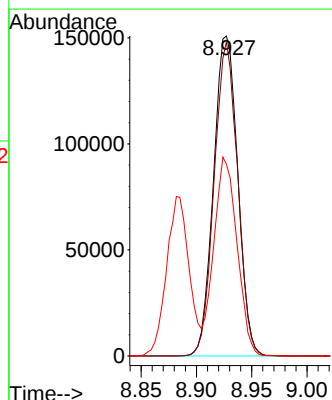
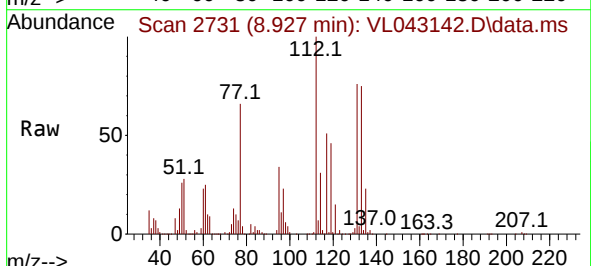
Tgt Ion:131 Resp: 229480

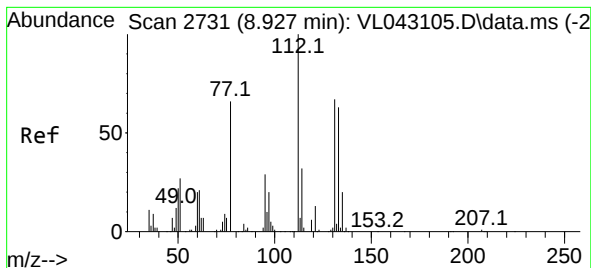
Ion Ratio Lower Upper

131 100

133 95.1 75.7 113.5

119 60.7 50.6 76.0





#57

Chlorobenzene

Concen: 9.818 ppbv

RT: 8.924 min Scan# 21

Delta R.T. -0.003 min

Lab File: VL043142.D

Acq: 03 Nov 2025 11:37

Instrument :

MSVOA_1

ClientSampleId :

VL1103ABS01

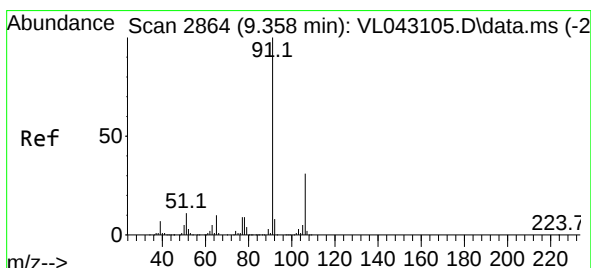
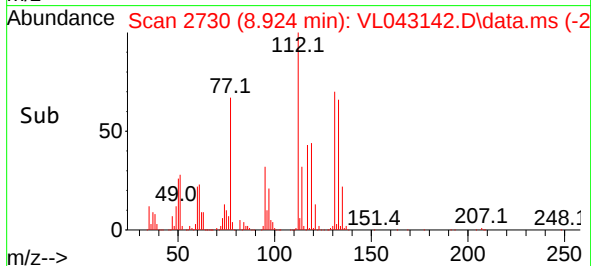
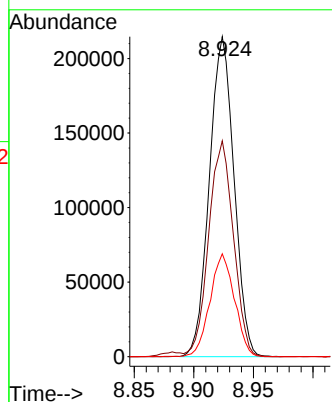
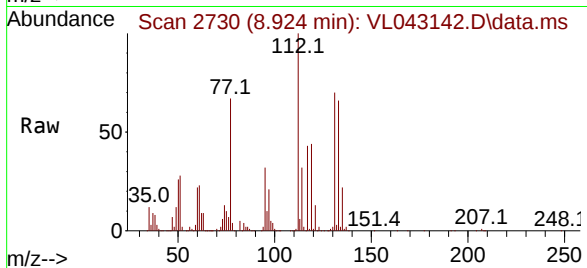
Tgt Ion:112 Resp: 309946

Ion Ratio Lower Upper

112 100

77 67.5 53.3 79.9

114 32.2 29.3 35.8



#58

Ethyl Benzene

Concen: 9.896 ppbv

RT: 9.358 min Scan# 2864

Delta R.T. 0.000 min

Lab File: VL043142.D

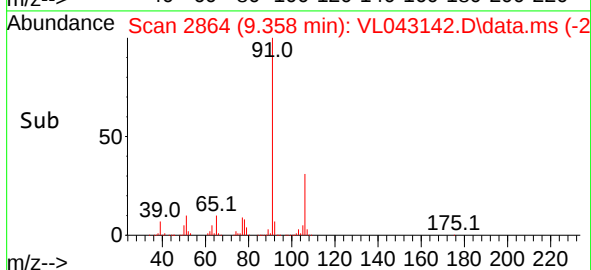
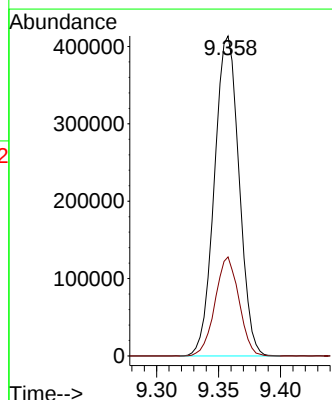
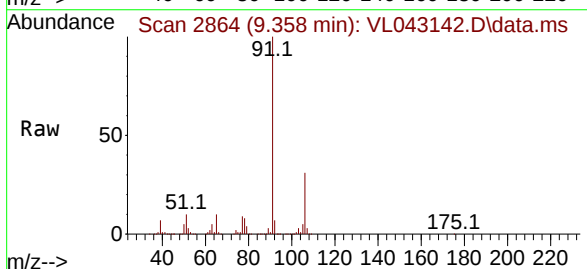
Acq: 03 Nov 2025 11:37

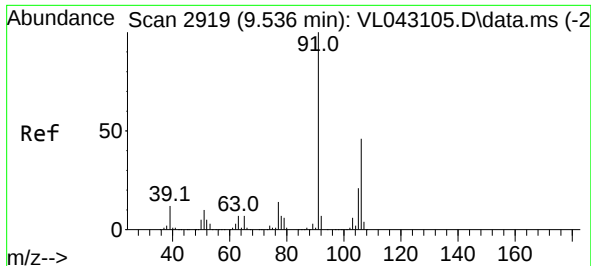
Tgt Ion: 91 Resp: 573149

Ion Ratio Lower Upper

91 100

106 31.0 24.8 37.2

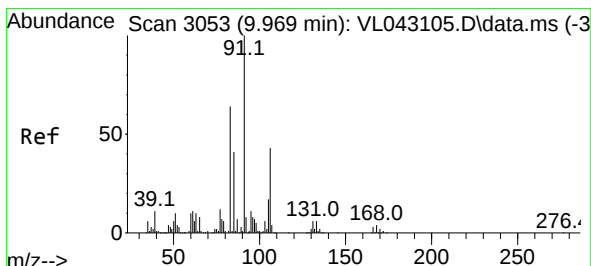
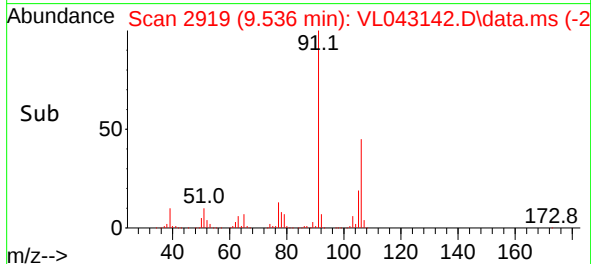
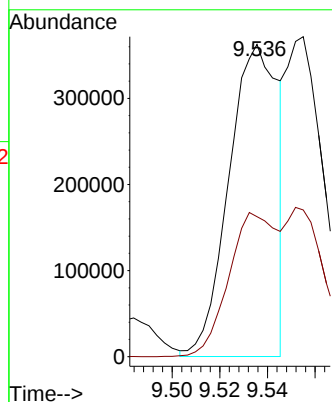
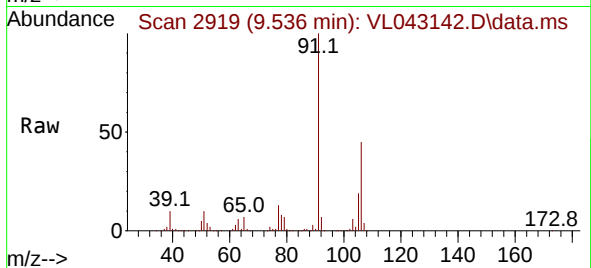




#59
m/p-Xylene
Concen: 11.250 ppbv
RT: 9.536 min Scan# 2919
Delta R.T. 0.000 min
Lab File: VL043142.D
Acq: 03 Nov 2025 11:37

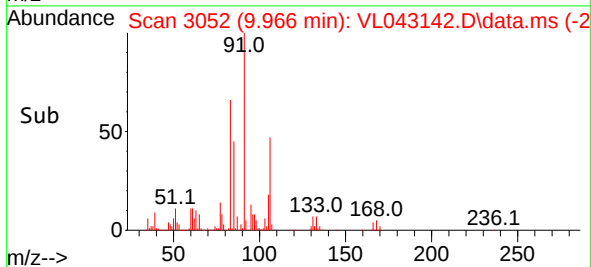
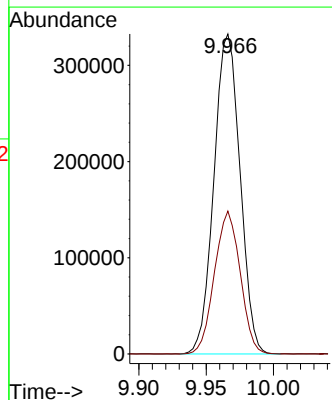
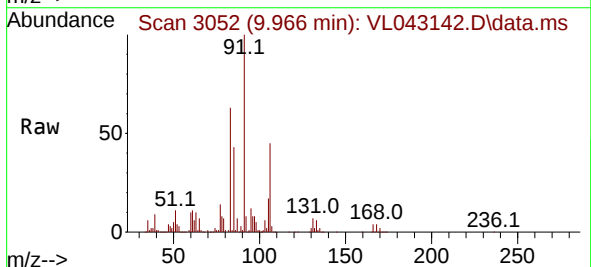
Instrument :
MSVOA_1
ClientSampleId :
VL1103ABS01

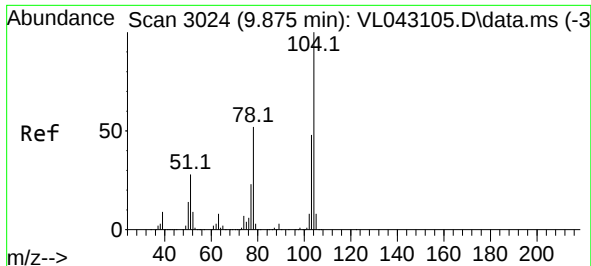
Tgt Ion: 91 Resp: 519708
Ion Ratio Lower Upper
91 100
106 0.0 38.0 57.0#



#60
o-Xylene
Concen: 9.823 ppbv
RT: 9.966 min Scan# 3052
Delta R.T. -0.003 min
Lab File: VL043142.D
Acq: 03 Nov 2025 11:37

Tgt Ion: 91 Resp: 448180
Ion Ratio Lower Upper
91 100
106 44.0 21.9 65.8

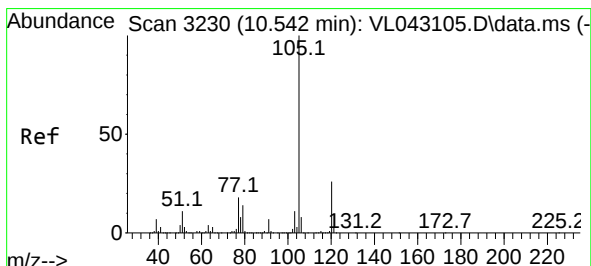
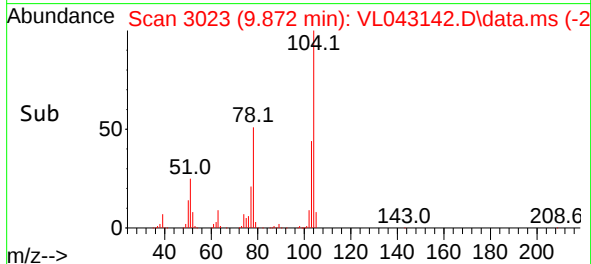
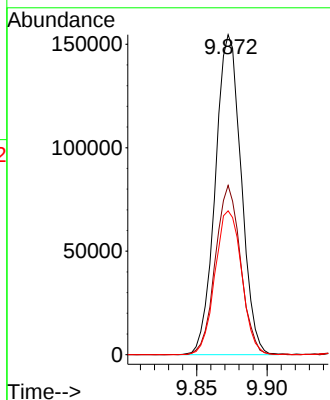
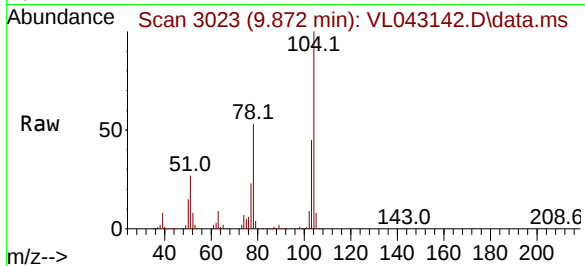




#61
Styrene
Concen: 9.601 ppbv
RT: 9.872 min Scan# 3024
Delta R.T. -0.003 min
Lab File: VL043142.D
Acq: 03 Nov 2025 11:37

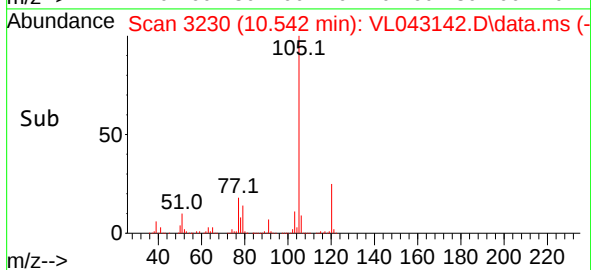
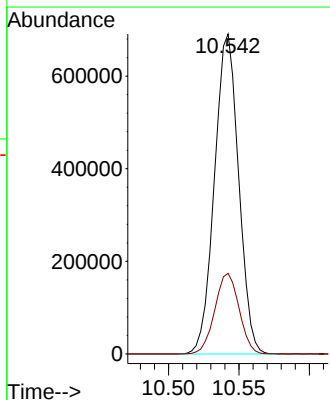
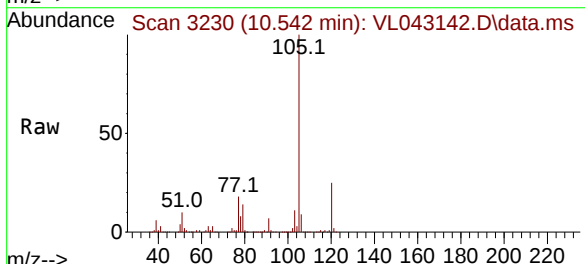
Instrument :
MSVOA_L
ClientSampleId :
VL1103ABS01

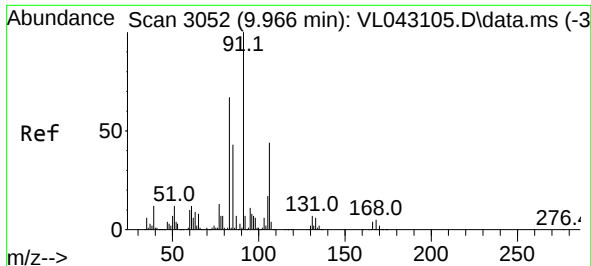
Tgt Ion:104 Resp: 197748
Ion Ratio Lower Upper
104 100
78 51.6 40.2 60.2
103 46.3 36.9 55.3



#62
Isopropylbenzene
Concen: 10.004 ppbv
RT: 10.542 min Scan# 3230
Delta R.T. 0.000 min
Lab File: VL043142.D
Acq: 03 Nov 2025 11:37

Tgt Ion:105 Resp: 824726
Ion Ratio Lower Upper
105 100
120 25.3 20.2 30.4





#63

1,1,2,2-Tetrachloroethane

Concen: 9.376 ppbv

RT: 9.963 min Scan# 3052

Delta R.T. -0.003 min

Lab File: VL043142.D

Acq: 03 Nov 2025 11:37

Instrument :

MSVOA_1

ClientSampleId :

VL1103ABS01

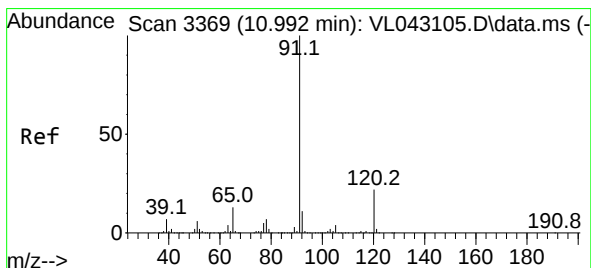
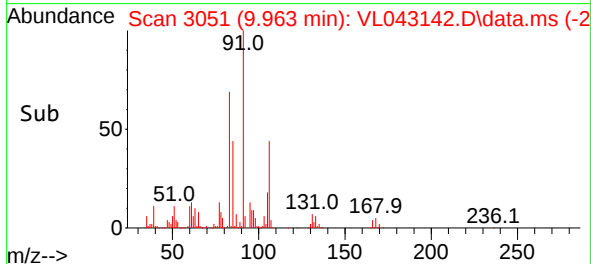
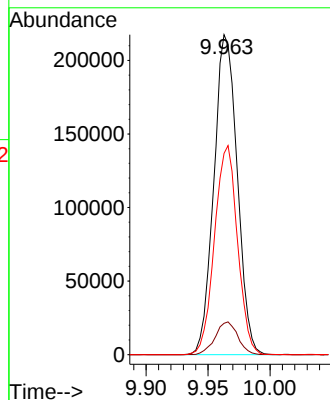
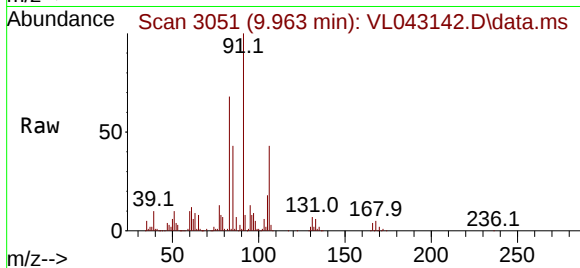
Tgt Ion: 83 Resp: 286436

Ion Ratio Lower Upper

83 100

131 9.9 4.8 14.3

85 64.1 32.0 96.0



#64

n-propylbenzene

Concen: 9.925 ppbv

RT: 10.992 min Scan# 3369

Delta R.T. 0.000 min

Lab File: VL043142.D

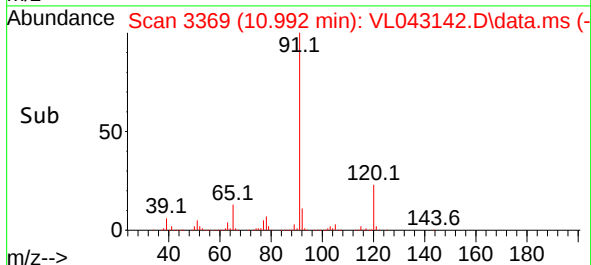
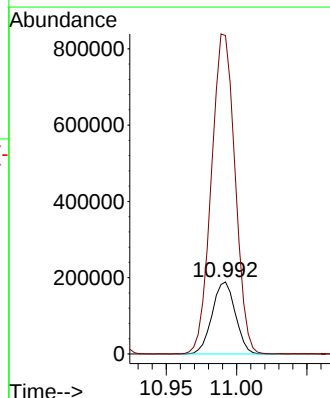
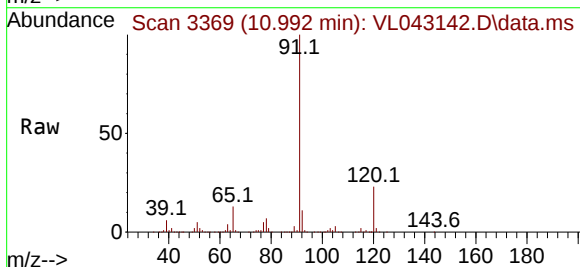
Acq: 03 Nov 2025 11:37

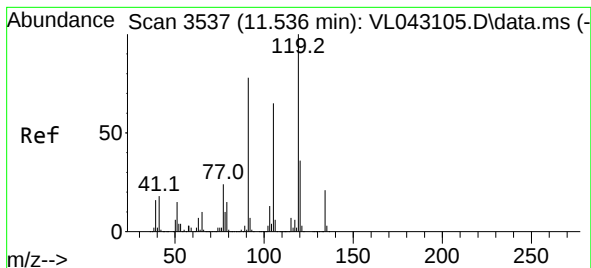
Tgt Ion: 120 Resp: 216631

Ion Ratio Lower Upper

120 100

91 454.8 361.6 542.4

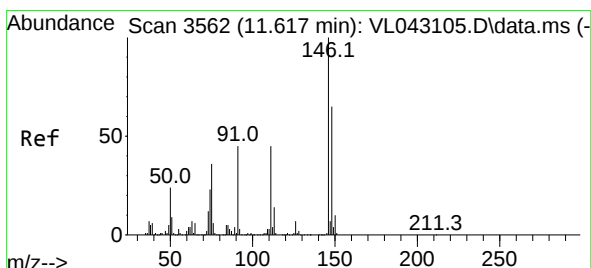
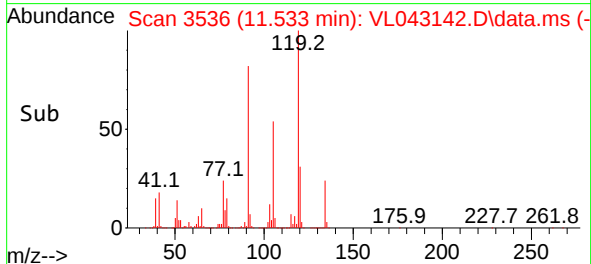
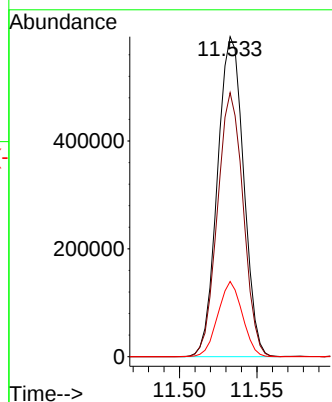
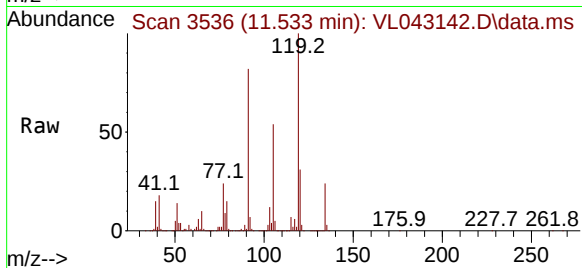




#65
tert-Butylbenzene
Concen: 9.585 ppbv
RT: 11.533 min Scan# 311
Delta R.T. -0.003 min
Lab File: VL043142.D
Acq: 03 Nov 2025 11:37

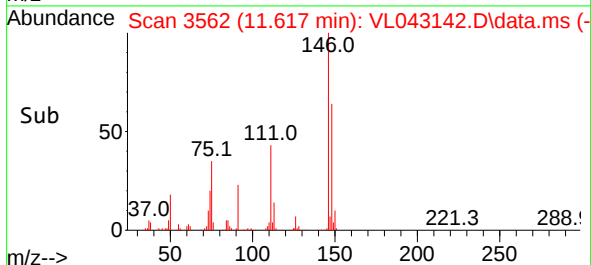
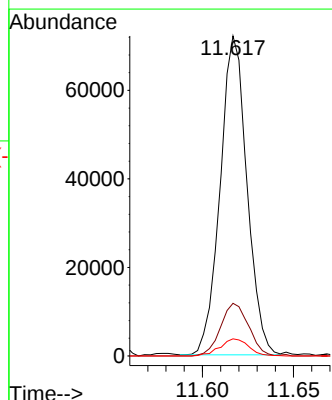
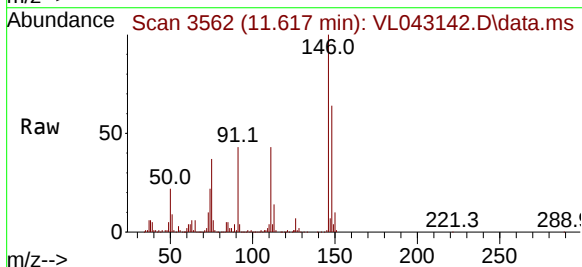
Instrument :
MSVOA_L
ClientSampleId :
VL1103ABS01

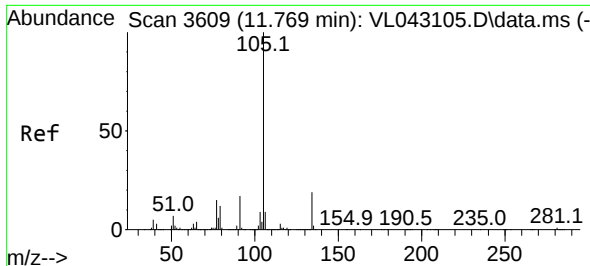
Tgt Ion:119 Resp: 697833
Ion Ratio Lower Upper
119 100
91 81.3 63.4 95.0
134 22.0 17.3 25.9



#66
Benzyl Chloride
Concen: 9.097 ppbv
RT: 11.617 min Scan# 3562
Delta R.T. 0.000 min
Lab File: VL043142.D
Acq: 03 Nov 2025 11:37

Tgt Ion: 91 Resp: 73710
Ion Ratio Lower Upper
91 100
126 17.4 14.6 22.0
128 5.7 4.6 6.8

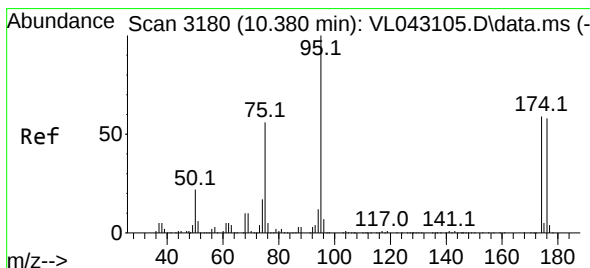
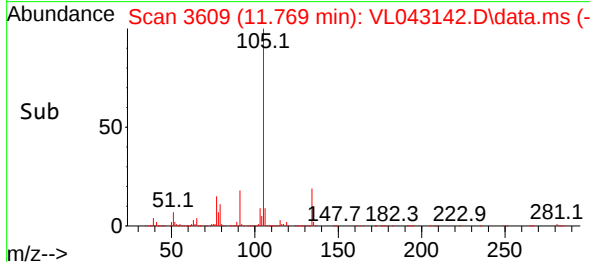
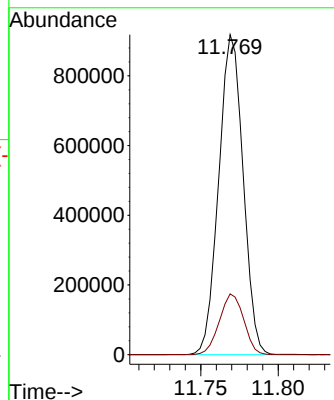
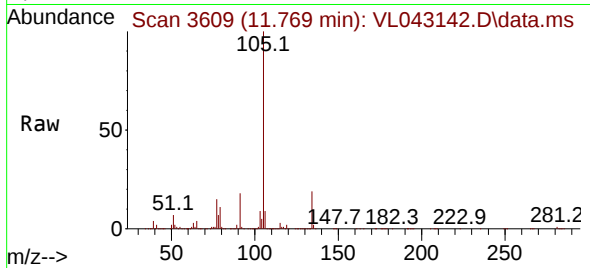




#67
 sec-Butylbenzene
 Concen: 9.708 ppbv
 RT: 11.769 min Scan# 3179
 Delta R.T. 0.000 min
 Lab File: VL043142.D
 Acq: 03 Nov 2025 11:37

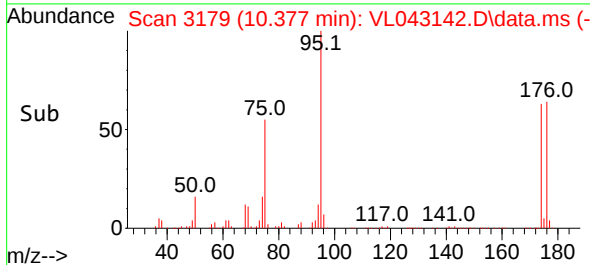
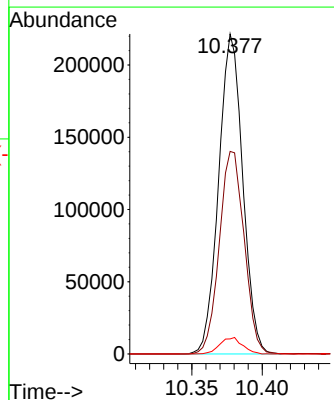
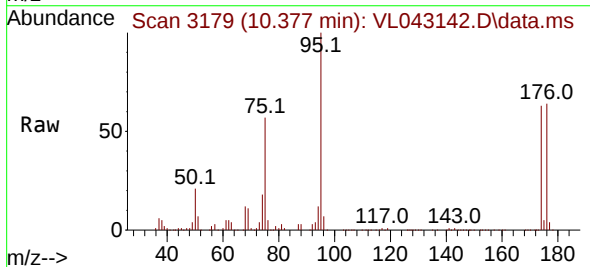
Instrument :
 MSVOA_1
 ClientSampleId :
 VL1103ABS01

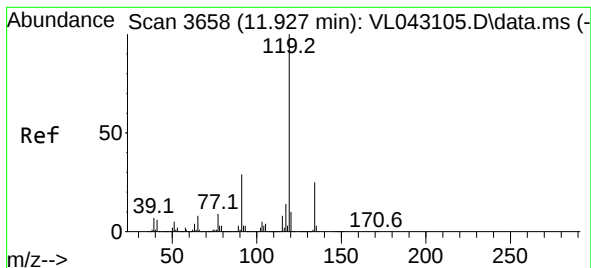
Tgt Ion:105 Resp: 1003036
 Ion Ratio Lower Upper
 105 100
 134 19.0 15.5 23.3



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.041 ppbv
 RT: 10.377 min Scan# 3179
 Delta R.T. -0.003 min
 Lab File: VL043142.D
 Acq: 03 Nov 2025 11:37

Tgt Ion: 95 Resp: 263369
 Ion Ratio Lower Upper
 95 100
 174 65.3 48.3 72.5
 175 4.8 3.8 5.8

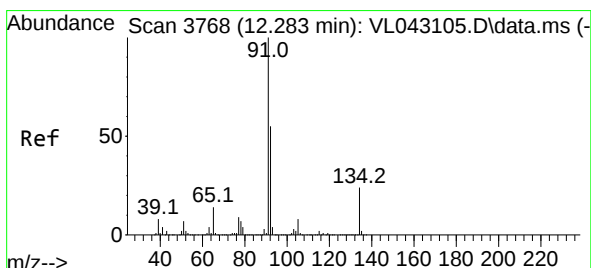
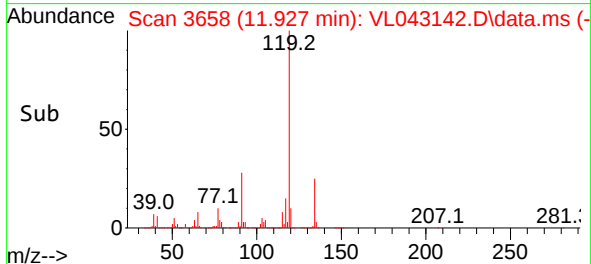
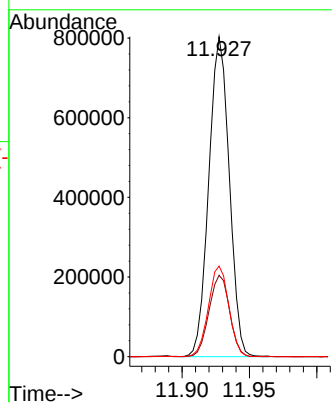
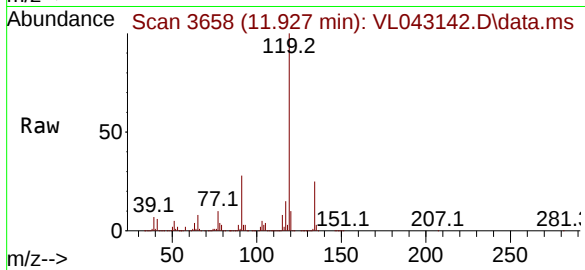




#69
p-Isopropyltoluene
Concen: 9.663 ppbv
RT: 11.927 min Scan# 3658
Delta R.T. 0.000 min
Lab File: VL043142.D
Acq: 03 Nov 2025 11:37

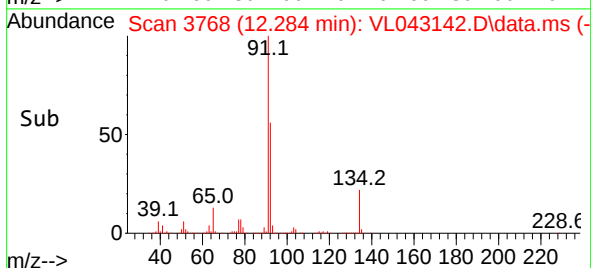
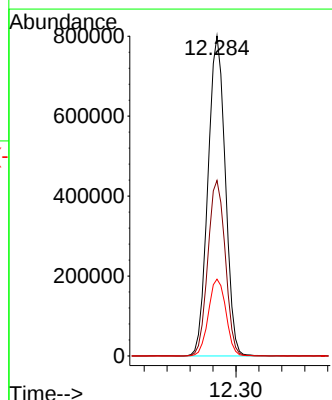
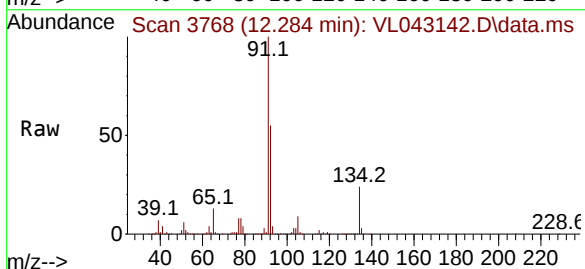
Instrument :
MSVOA_1
ClientSampleId :
VL1103ABS01

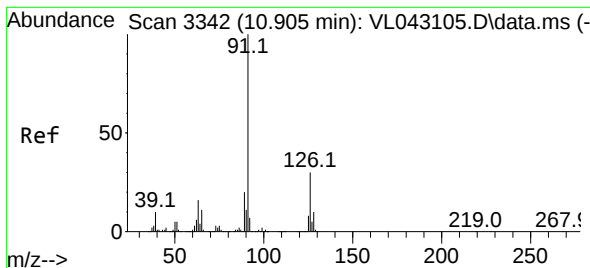
Tgt Ion:119 Resp: 848375
Ion Ratio Lower Upper
119 100
134 25.6 20.3 30.5
91 28.3 22.6 33.8



#70
n-Butylbenzene
Concen: 9.672 ppbv
RT: 12.284 min Scan# 3768
Delta R.T. 0.000 min
Lab File: VL043142.D
Acq: 03 Nov 2025 11:37

Tgt Ion: 91 Resp: 836813
Ion Ratio Lower Upper
91 100
92 55.2 44.5 66.7
134 24.3 19.3 28.9

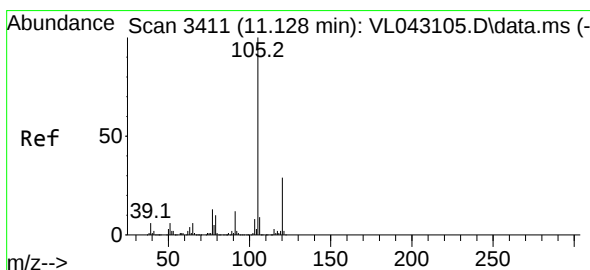
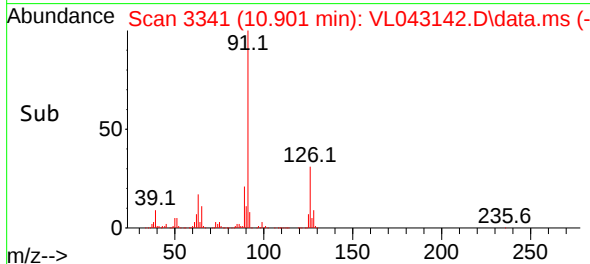
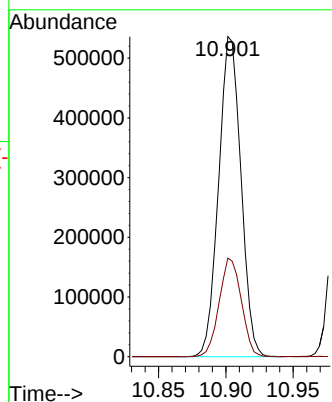
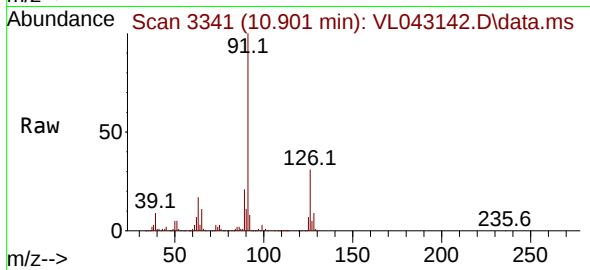




#71
2-Chlorotoluene
Concen: 9.819 ppbv
RT: 10.901 min Scan# 311
Delta R.T. -0.003 min
Lab File: VL043142.D
Acq: 03 Nov 2025 11:37

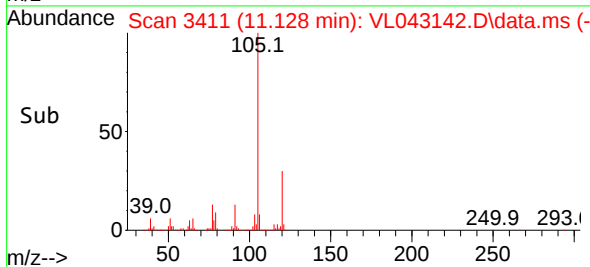
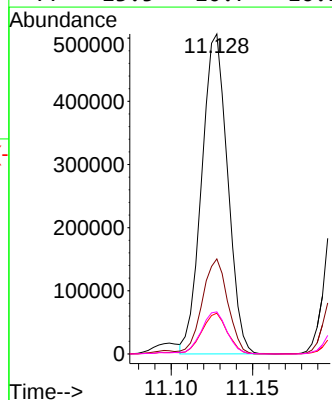
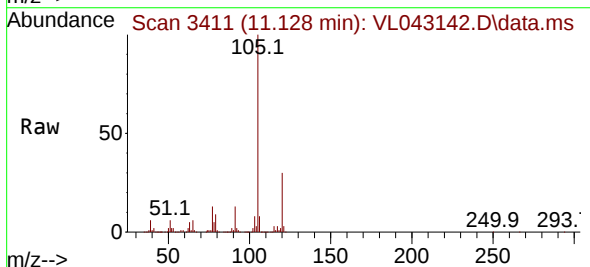
Instrument :
MSVOA_L
ClientSampleId :
VL1103ABS01

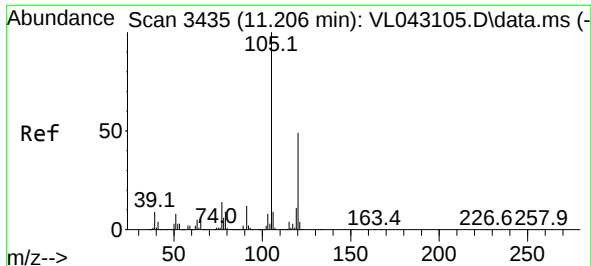
Tgt Ion: 91 Resp: 617402
Ion Ratio Lower Upper
91 100
126 30.5 12.0 48.0



#72
4-Ethyltoluene
Concen: 9.965 ppbv
RT: 11.128 min Scan# 3411
Delta R.T. 0.000 min
Lab File: VL043142.D
Acq: 03 Nov 2025 11:37

Tgt Ion:105 Resp: 559061
Ion Ratio Lower Upper
105 100
120 30.2 24.2 36.4
91 13.0 10.0 15.0
77 13.5 10.7 16.1

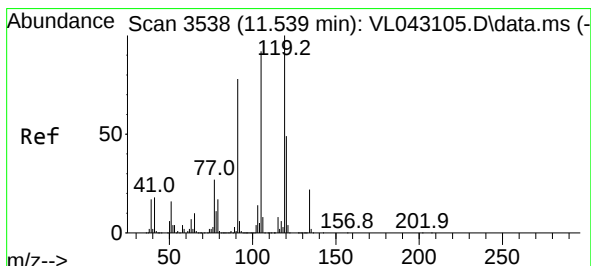
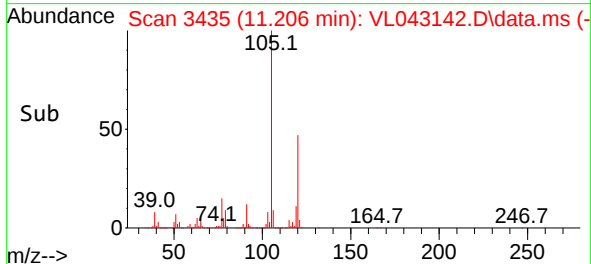
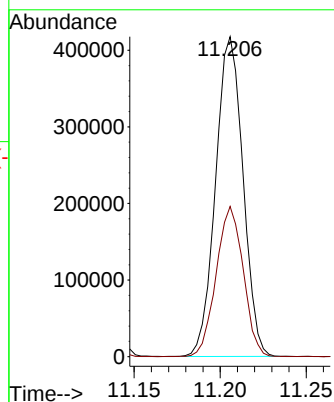
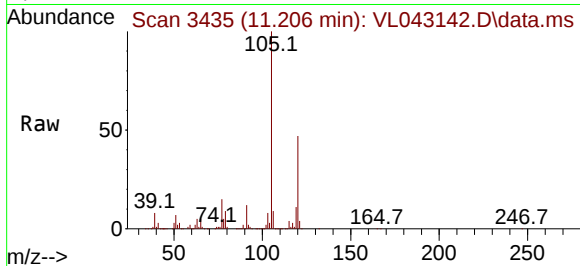




#73
 1,3,5-Trimethylbenzene
 Concen: 9.996 ppbv
 RT: 11.206 min Scan# 3435
 Delta R.T. 0.000 min
 Lab File: VL043142.D
 Acq: 03 Nov 2025 11:37

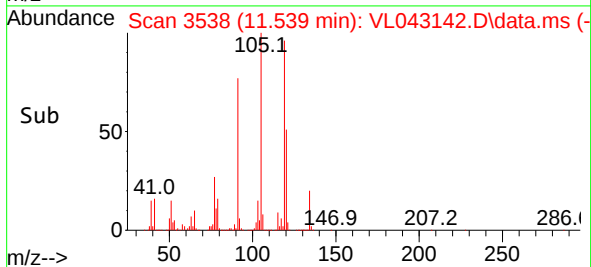
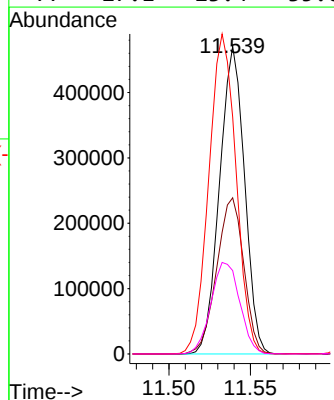
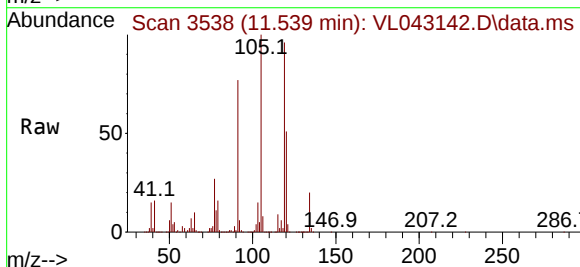
Instrument :
 MSVOA_1
 ClientSampleId :
 VL1103ABS01

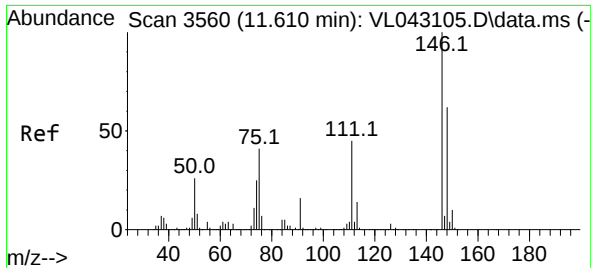
Tgt Ion:105 Resp: 462460
 Ion Ratio Lower Upper
 105 100
 120 46.9 39.0 58.6



#74
 1,2,4-Trimethylbenzene
 Concen: 9.686 ppbv
 RT: 11.539 min Scan# 3538
 Delta R.T. 0.000 min
 Lab File: VL043142.D
 Acq: 03 Nov 2025 11:37

Tgt Ion:105 Resp: 501510
 Ion Ratio Lower Upper
 105 100
 120 50.8 42.8 64.2
 91 76.9 68.3 102.5
 77 27.1 23.4 35.0

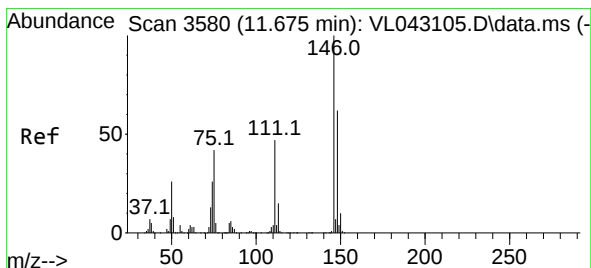
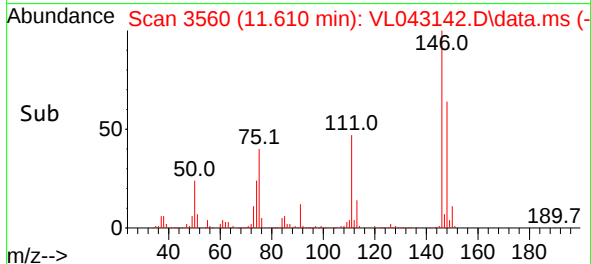
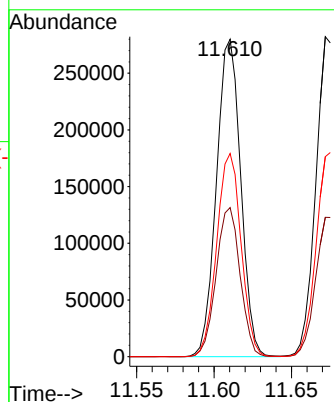
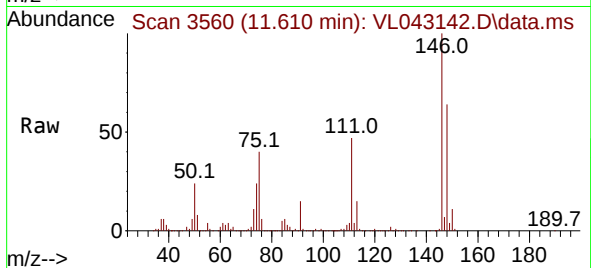




#75
1,3-Dichlorobenzene
Concen: 10.174 ppbv
RT: 11.610 min Scan# 3560
Delta R.T. 0.000 min
Lab File: VL043142.D
Acq: 03 Nov 2025 11:37

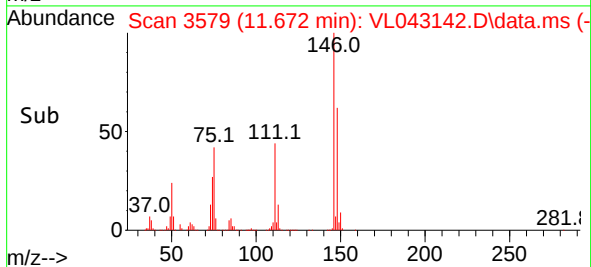
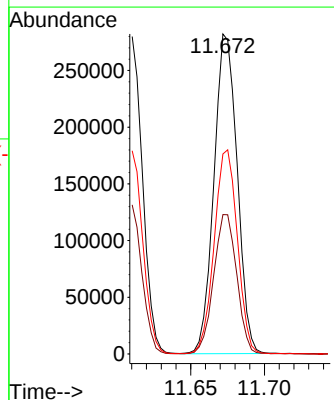
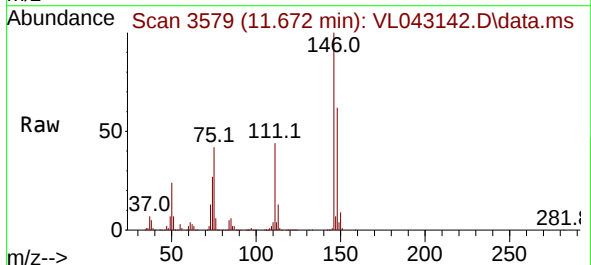
Instrument :
MSVOA_1
ClientSampleId :
VL1103ABS01

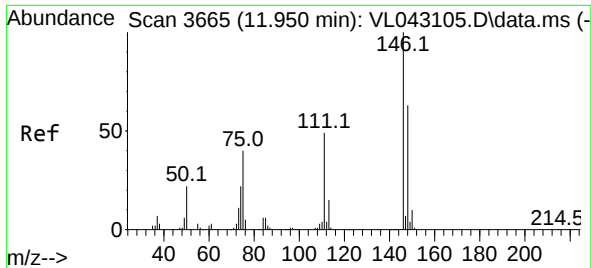
Tgt Ion:146 Resp: 305516
Ion Ratio Lower Upper
146 100
111 46.5 23.3 69.9
148 64.2 31.6 95.0



#76
1,4-Dichlorobenzene
Concen: 10.211 ppbv
RT: 11.672 min Scan# 3579
Delta R.T. -0.003 min
Lab File: VL043142.D
Acq: 03 Nov 2025 11:37

Tgt Ion:146 Resp: 309176
Ion Ratio Lower Upper
146 100
111 43.6 22.4 67.0
148 63.9 31.6 94.7

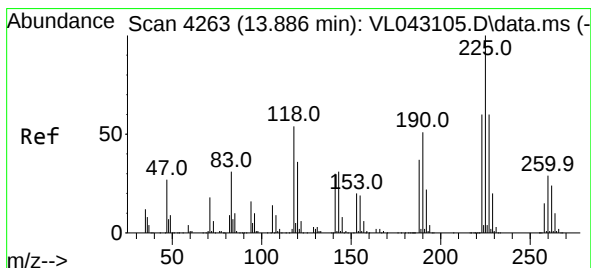
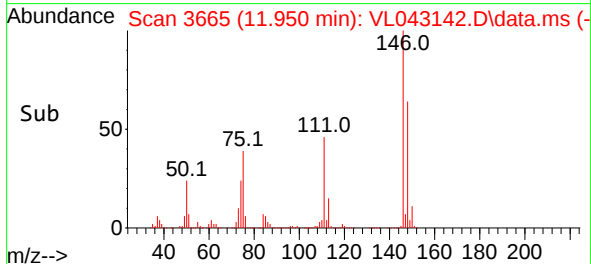
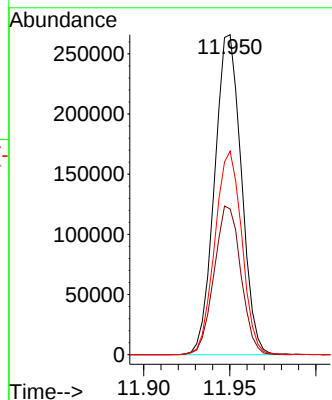
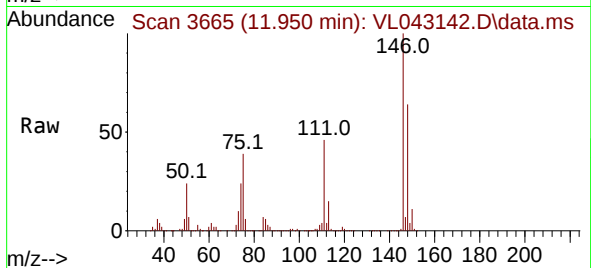




#77
1,2-Dichlorobenzene
Concen: 9.925 ppbv
RT: 11.950 min Scan# 3665
Delta R.T. 0.000 min
Lab File: VL043142.D
Acq: 03 Nov 2025 11:37

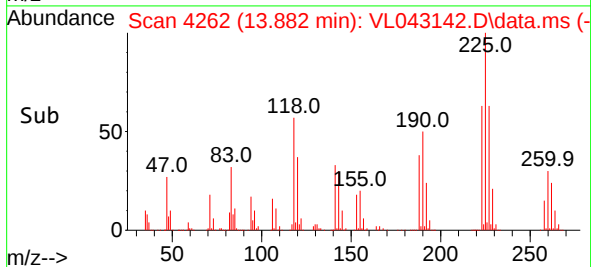
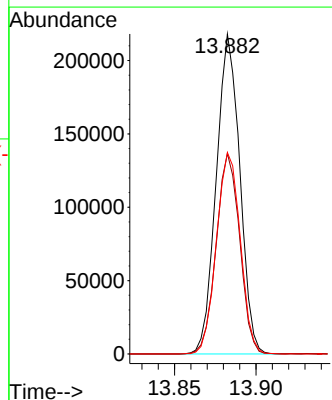
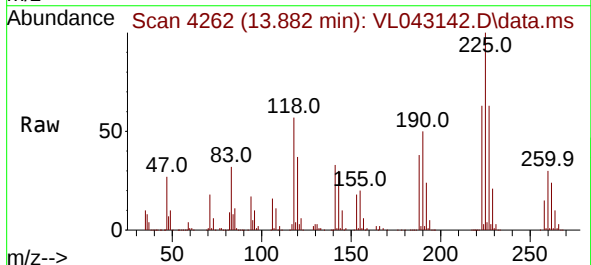
Instrument :
MSVOA_1
ClientSampleId :
VL1103ABS01

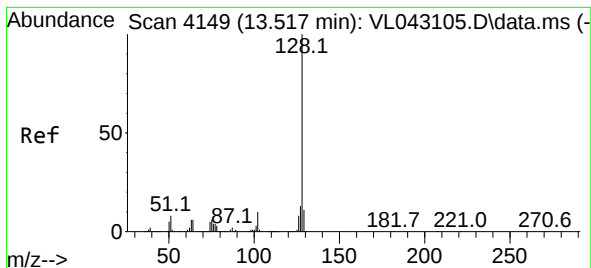
Tgt Ion:146 Resp: 288307
Ion Ratio Lower Upper
146 100
111 46.4 24.0 72.0
148 64.1 31.1 93.3



#78
Hexachloro-1,3-Butadiene
Concen: 9.730 ppbv
RT: 13.882 min Scan# 4262
Delta R.T. -0.003 min
Lab File: VL043142.D
Acq: 03 Nov 2025 11:37

Tgt Ion:225 Resp: 218849
Ion Ratio Lower Upper
225 100
223 62.4 50.2 75.4
227 63.8 49.6 74.4





#79

Naphthalene

Concen: 9.543 ppbv

RT: 13.513 min Scan# 4149

Delta R.T. -0.003 min

Lab File: VL043142.D

Acq: 03 Nov 2025 11:37

Instrument :

MSVOA_L

ClientSampleId :

VL1103ABS01

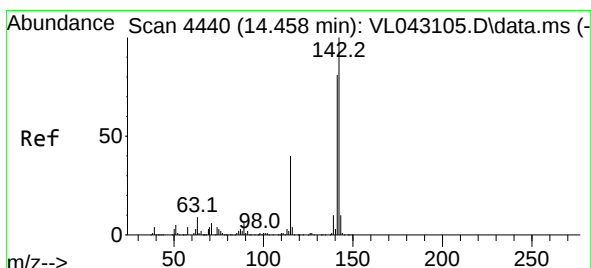
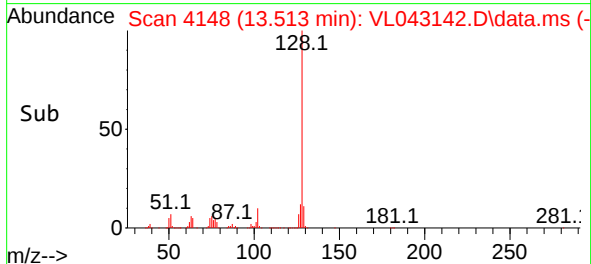
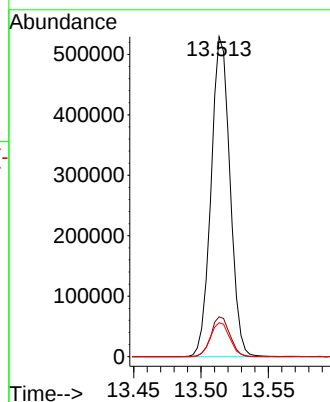
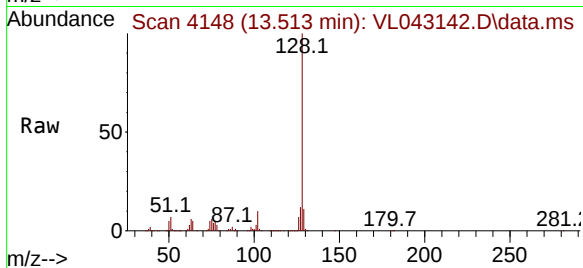
Tgt Ion:128 Resp: 516413

Ion Ratio Lower Upper

128 100

127 12.4 10.5 15.7

129 10.6 9.1 13.7



#80

Naphthalene,2-methyl-

Concen: 11.152 ppbv

RT: 14.459 min Scan# 4440

Delta R.T. 0.000 min

Lab File: VL043142.D

Acq: 03 Nov 2025 11:37

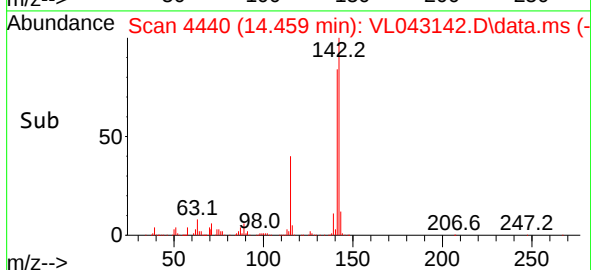
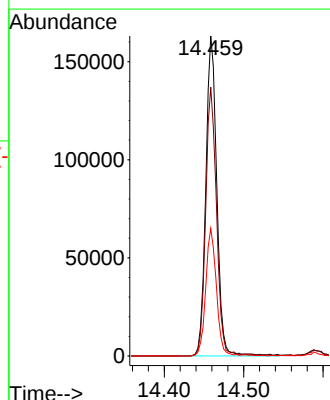
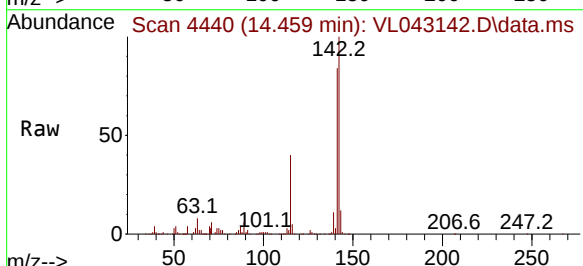
Tgt Ion:142 Resp: 157236

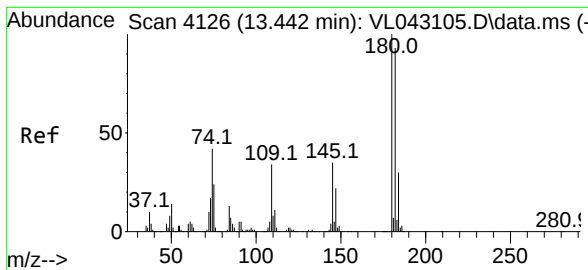
Ion Ratio Lower Upper

142 100

141 83.5 64.6 97.0

115 39.4 30.2 45.4





#81
 1,2,4-Trichlorobenzene
 Concen: 10.410 ppbv
 RT: 13.442 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VL043142.D
 Acq: 03 Nov 2025 11:37

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1103ABS01

Tgt Ion:	180	Resp:	233828
Ion	Ratio	Lower	Upper
180	100		
182	95.5	75.5	113.3
184	30.1	23.9	35.9

