

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101425\
 Data File : VL043111.D
 Acq On : 14 Oct 2025 14:18
 Operator : SY/MD
 Sample : VSTDIC015
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Quant Time: Oct 15 01:55:55 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 01:49:43 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.790	49	100858	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	321665	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	292542	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.380 95 233522 10.270 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 102.700%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.502	85	193353	13.485	ppbv	98
3) Chlorodifluoromethane	1.476	51	205650	13.255	ppbv	98
4) Chloromethane	1.534	50	72111	12.695	ppbv	98
5) Vinyl Chloride	1.583	62	69909	12.548	ppbv	99
6) Bromomethane	1.670	94	39756	13.013	ppbv	98
7) Chloroethane	1.706	64	27709	12.164	ppbv	95
8) Dichlorotetrafluoroethane	1.557	85	156753	13.526	ppbv	100
9) Propene	1.486	41	88451	12.854	ppbv	98
10) Heptane	4.985	43	249682	12.658	ppbv	99
11) Trichlorofluoromethane	1.881	101	191307	13.640	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.143	101	150640	13.341	ppbv	98
13) Ethanol	1.722	45	25828	10.148	ppbv	98
14) Bromoethene	1.784	108	54818	13.068	ppbv	99
15) Acetone	1.835	43	160069	11.710	ppbv	100
16) 1,3-Butadiene	1.612	39	80403	12.411	ppbv	98
17) tert-Butyl alcohol	2.039	59	237633	12.735	ppbv	99
18) 1,1-Dichloroethene	2.036	96	65634	13.333	ppbv	98
19) Isopropyl Alcohol	1.887	45	102035	12.051	ppbv	98
20) Methylene Chloride	2.065	84	60549	11.268	ppbv	90
21) Allyl Chloride	2.097	41	131539	13.105	ppbv	95
22) trans-1,2-Dichloroethene	2.343	96	76780	13.048	ppbv	97
23) Vinyl Acetate	2.463	43	288274	14.476	ppbv	98
24) 1,1-Dichloroethane	2.411	63	152663	13.428	ppbv	99
25) Ethyl Acetate	2.835	43	434350	12.884	ppbv	100
26) Hexane	2.829	57	199384	12.836	ppbv	98
27) Carbon Disulfide	2.152	76	192452	13.522	ppbv	100
28) Methyl tert-Butyl Ether	2.441	73	96464	13.650	ppbv	94
29) Chloroform	2.852	83	302154	13.425	ppbv	98
30) Cyclohexane	3.858	84	177947	13.133	ppbv	95
31) cis-1,2-Dichloroethene	2.722	61	203888	13.745	ppbv	97
32) 1,1,1-Trichloroethane	3.373	97	316442	13.500	ppbv	99
34) 2-Butanone	2.557	43	283134	13.020	ppbv	99
35) Carbon Tetrachloride	3.764	117	325078	14.056	ppbv	98
36) Benzene	3.661	78	415823	13.725	ppbv	99
37) 1,2-Dichloroethane	3.221	62	241983	13.865	ppbv	98
38) Trichloroethene	4.551	130	159136	12.590	ppbv	97
39) 1,2-Dichloropropane	4.318	63	147155	13.274	ppbv	95
40) 1,4-Dioxane	4.580	88	65323	13.180	ppbv #	94
41) Tetrahydrofuran	3.052	42	160247	13.200	ppbv	99
42) Bromodichloromethane	4.493	83	343817	14.234	ppbv	99
43) Methyl Methacrylate	4.881	69	210756	13.633	ppbv	98
44) 2,2,4-Trimethylpentane	4.645	57	675770	13.340	ppbv	99
45) t-1,3-Dichloropropene	6.418	75	218386	14.142	ppbv	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101425\
 Data File : VL043111.D
 Acq On : 14 Oct 2025 14:18
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 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

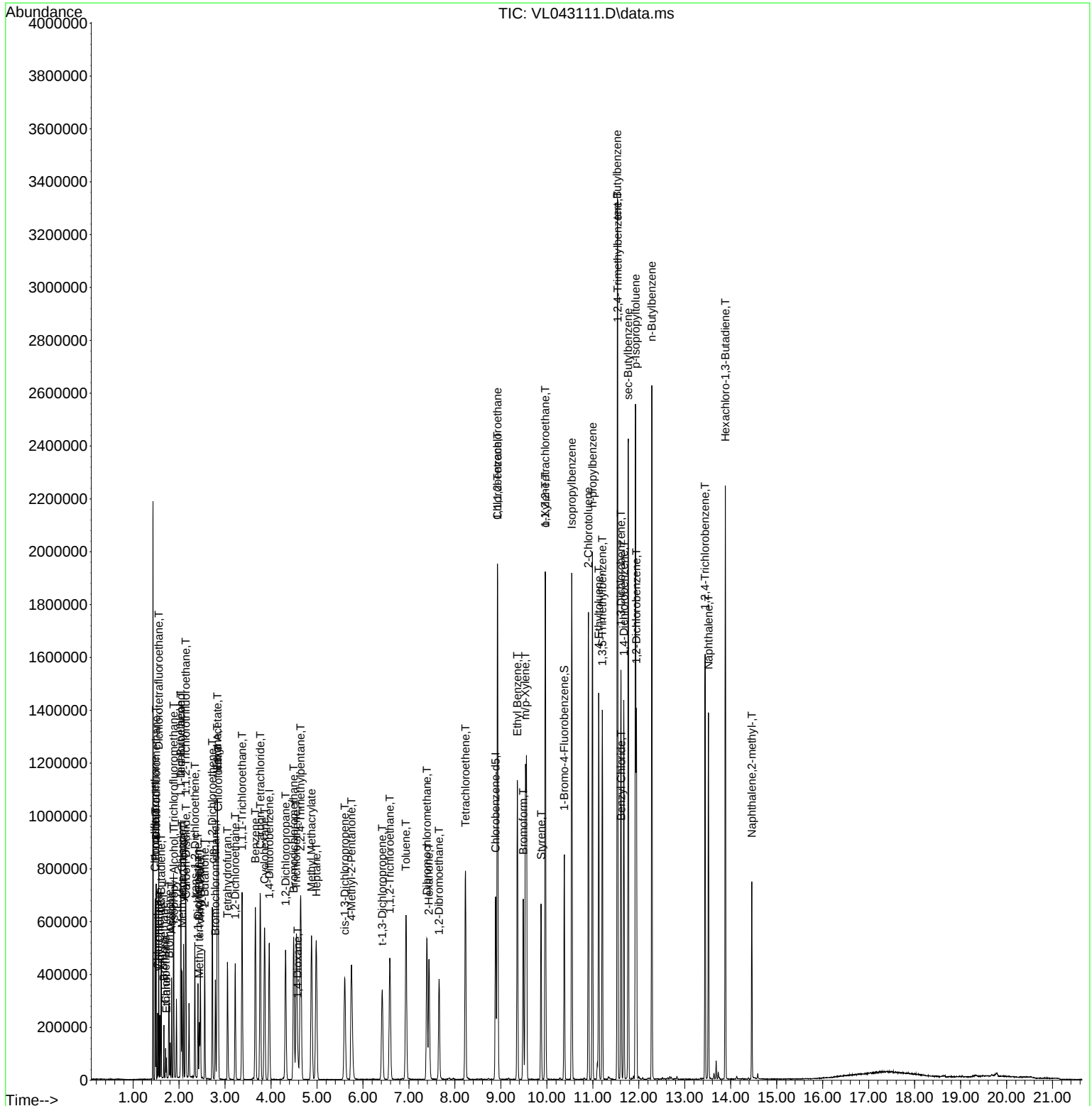
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

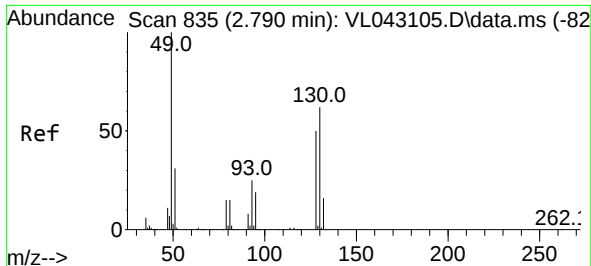
Quant Time: Oct 15 01:55:55 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Oct 15 01:49:43 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.606	75	258355	14.018	ppbv	98
47) 1,1,2-Trichloroethane	6.583	97	163113	13.638	ppbv	94
48) Dibromochloromethane	7.393	129	280993	14.051	ppbv	100
49) Bromoform	9.487	173	230561	14.184	ppbv	100
50) 4-Methyl-2-Pentanone	5.748	43	401849	13.396	ppbv	100
51) 2-Hexanone	7.435	43	317288	14.176	ppbv #	99
52) Tetrachloroethene	8.231	164	143954	13.177	ppbv	98
53) Toluene	6.936	91	483870	13.457	ppbv	100
54) 1,2-Dibromoethane	7.655	107	254024	13.461	ppbv	98
56) 1,1,1,2-Tetrachloroethane	8.927	131	250303	13.573	ppbv	99
57) Chlorobenzene	8.927	112	355301	12.983	ppbv	98
58) Ethyl Benzene	9.357	91	676918	13.375	ppbv	97
59) m/p-Xylene	9.535	91	626074	15.622	ppbv #	29
60) o-Xylene	9.966	91	516660	13.063	ppbv	99
61) Styrene	9.875	104	247585	13.867	ppbv	99
62) Isopropylbenzene	10.542	105	931508	13.034	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.966	83	331423	12.515	ppbv	100
64) n-propylbenzene	10.992	120	241719	12.775	ppbv	96
65) tert-Butylbenzene	11.532	119	788234	12.490	ppbv	97
66) Benzyl Chloride	11.620	91	97114	13.778	ppbv	99
67) sec-Butylbenzene	11.769	105	1125489	12.566	ppbv	99
69) p-Isopropyltoluene	11.930	119	959206	12.602	ppbv	99
70) n-Butylbenzene	12.283	91	973466	12.979	ppbv	100
71) 2-Chlorotoluene	10.904	91	721827	13.242	ppbv	98
72) 4-Ethyltoluene	11.128	105	647315	13.310	ppbv	99
73) 1,3,5-Trimethylbenzene	11.205	105	534006	13.314	ppbv	98
74) 1,2,4-Trimethylbenzene	11.542	105	560932	12.498	ppbv #	86
75) 1,3-Dichlorobenzene	11.610	146	339203	13.031	ppbv	99
76) 1,4-Dichlorobenzene	11.675	146	341936	13.027	ppbv	99
77) 1,2-Dichlorobenzene	11.950	146	318800	12.660	ppbv	99
78) Hexachloro-1,3-Butadiene	13.882	225	226294	11.606	ppbv	99
79) Naphthalene	13.516	128	661098	14.260	ppbv	99
80) Naphthalene,2-methyl-	14.458	142	212784	17.384	ppbv	98
81) 1,2,4-Trichlorobenzene	13.442	180	266712	13.698	ppbv	100

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

Quant Time: Oct 15 01:55:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
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QLast Update : Wed Oct 15 01:49:43 2025
Response via : Initial Calibration

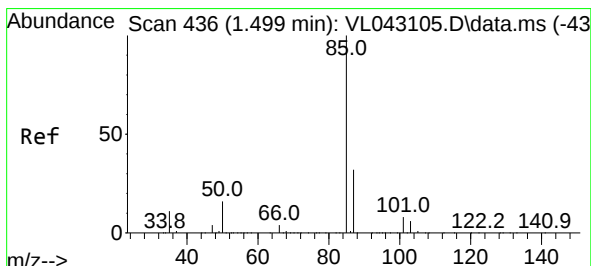
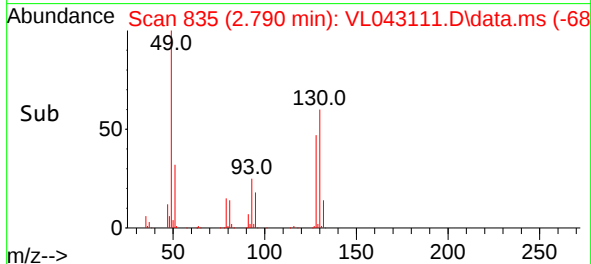
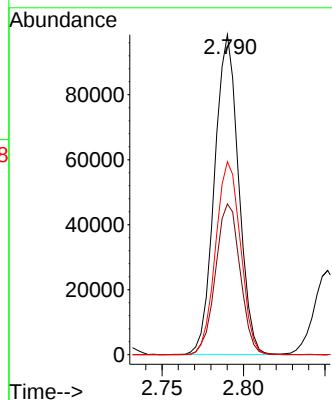
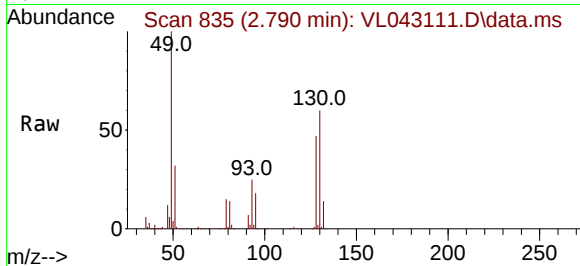




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 81
Delta R.T. 0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

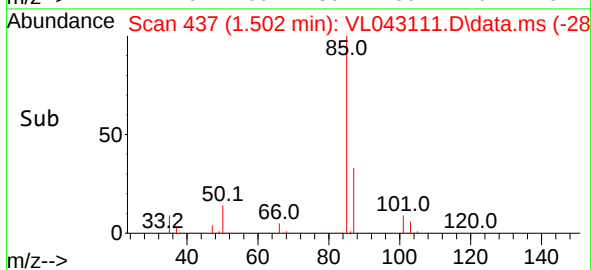
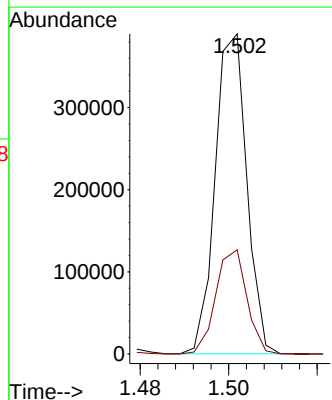
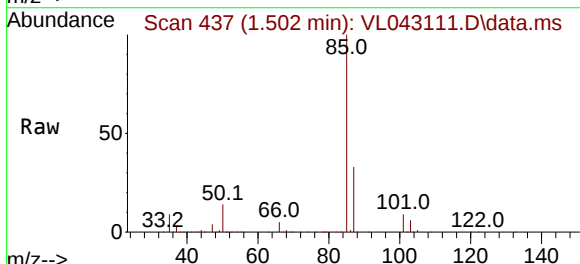
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

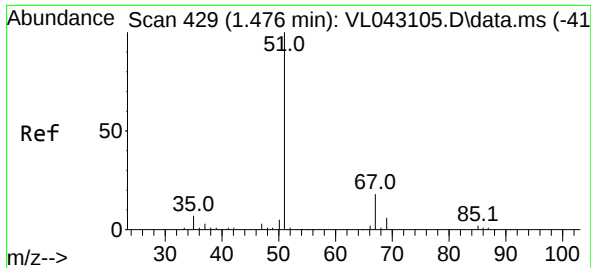
Tgt Ion: 49 Resp: 100858
Ion Ratio Lower Upper
49 100
128 48.4 24.4 73.4
130 62.4 31.0 93.0



#2
Dichlorodifluoromethane
Concen: 13.485 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.003 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion: 85 Resp: 193353
Ion Ratio Lower Upper
85 100
87 32.6 25.3 37.9

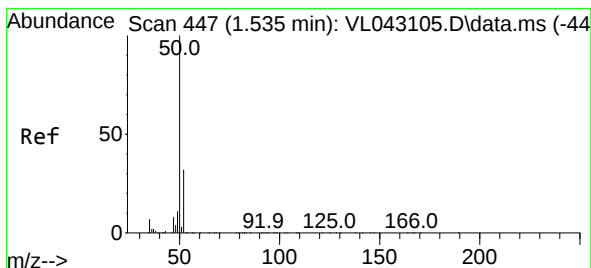
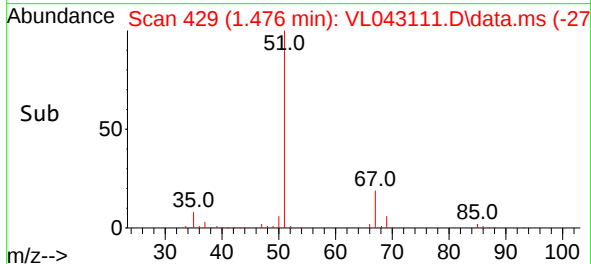
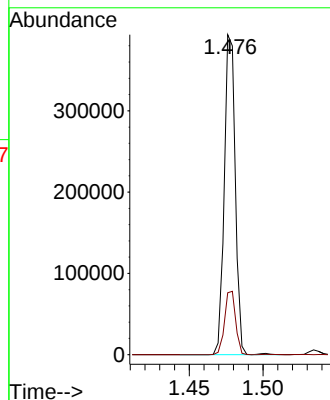
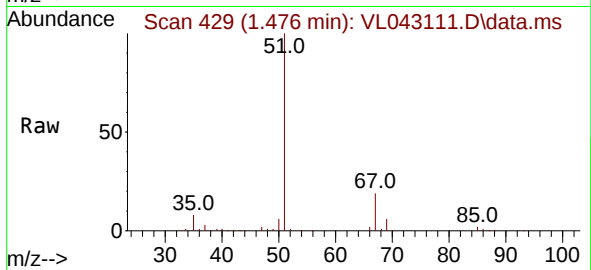




#3
Chlorodifluoromethane
Concen: 13.255 ppbv
RT: 1.476 min Scan# 429
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

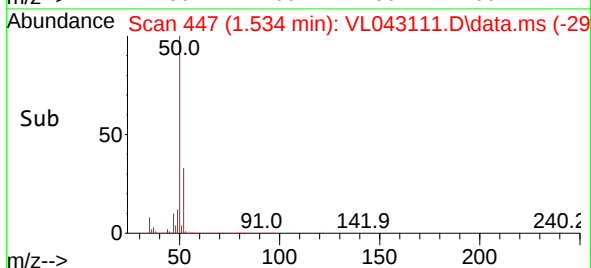
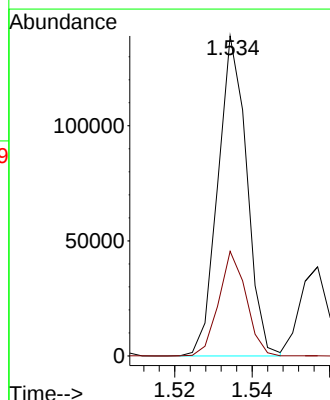
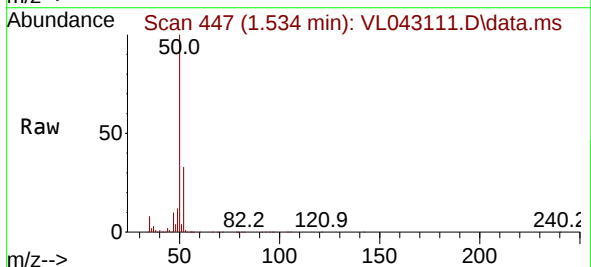
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

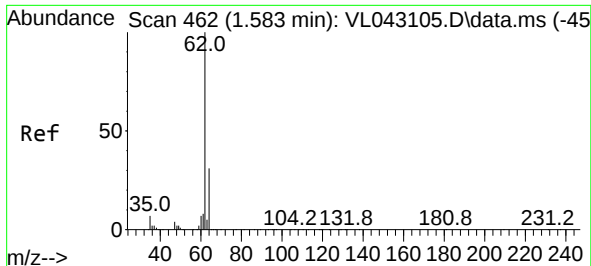
Tgt Ion: 51 Resp: 205650
Ion Ratio Lower Upper
51 100
67 20.0 15.1 22.7



#4
Chloromethane
Concen: 12.695 ppbv
RT: 1.534 min Scan# 447
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion: 50 Resp: 72111
Ion Ratio Lower Upper
50 100
52 32.7 25.2 37.8

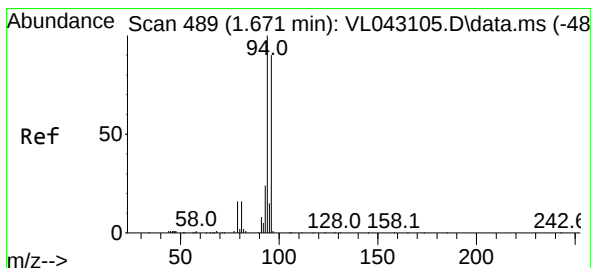
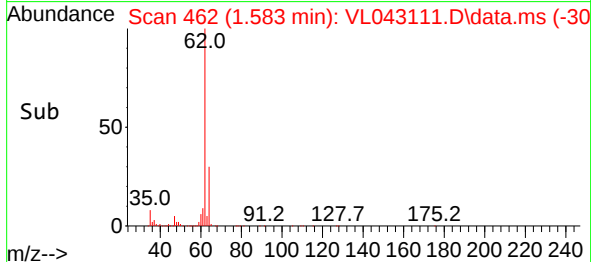
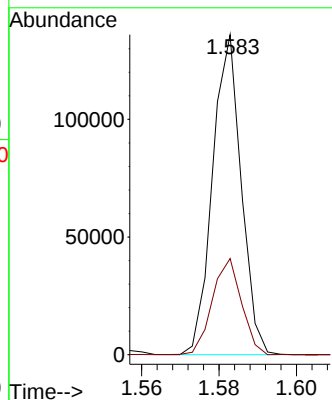
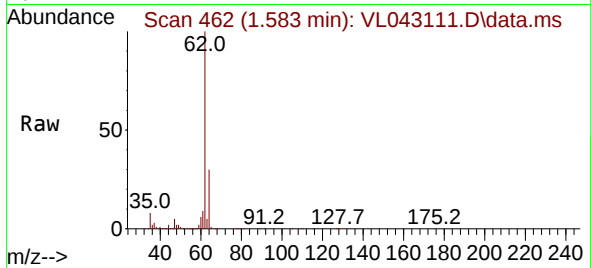




#5
 Vinyl Chloride
 Concen: 12.548 ppbv
 RT: 1.583 min Scan# 462
 Delta R.T. -0.000 min
 Lab File: VL043111.D
 Acq: 14 Oct 2025 14:18

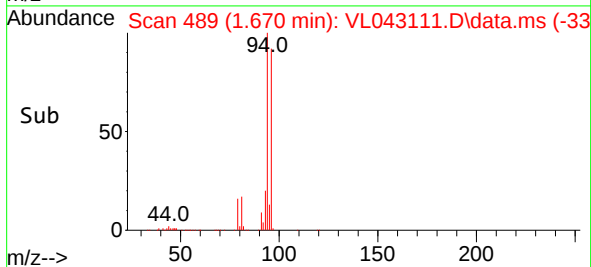
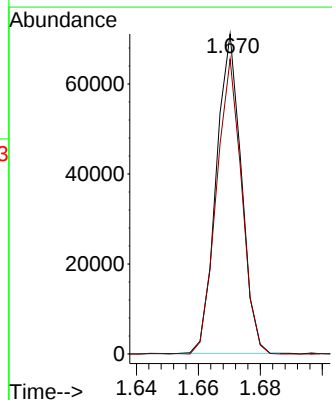
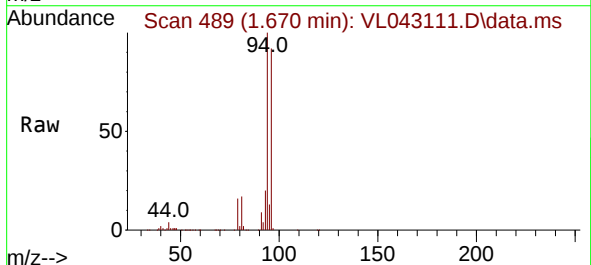
Instrument :
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 ClientSampleId :
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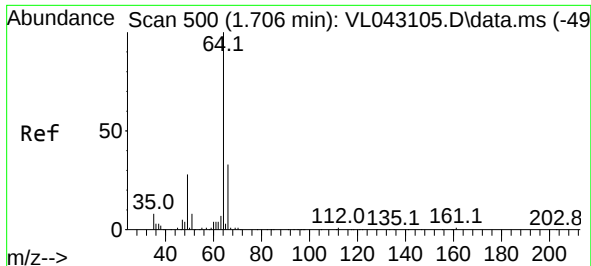
Tgt Ion: 62 Resp: 69909
 Ion Ratio Lower Upper
 62 100
 64 30.0 24.6 36.8



#6
 Bromomethane
 Concen: 13.013 ppbv
 RT: 1.670 min Scan# 489
 Delta R.T. -0.000 min
 Lab File: VL043111.D
 Acq: 14 Oct 2025 14:18

Tgt Ion: 94 Resp: 39756
 Ion Ratio Lower Upper
 94 100
 96 92.4 72.2 108.4

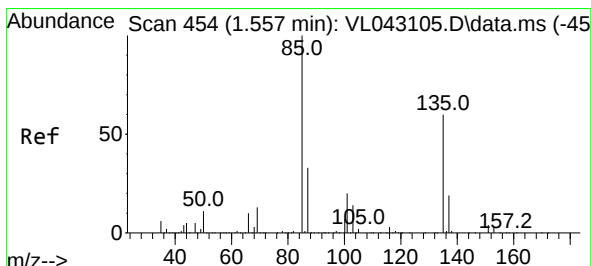
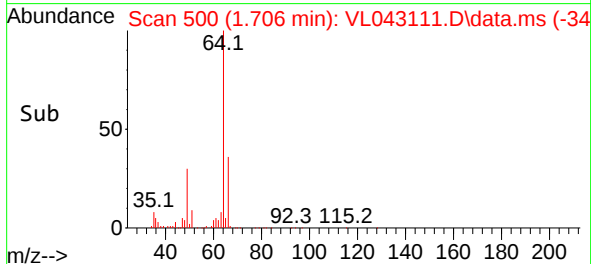
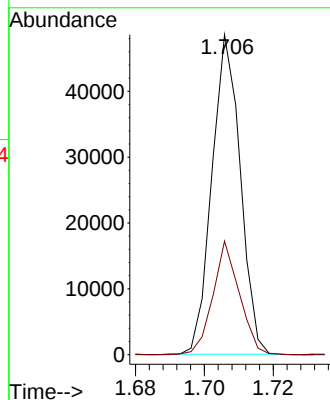
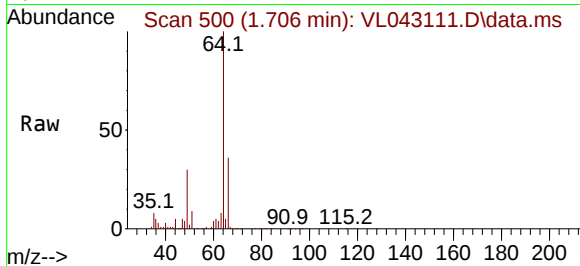




#7
Chloroethane
Concen: 12.164 ppbv
RT: 1.706 min Scan# 500
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

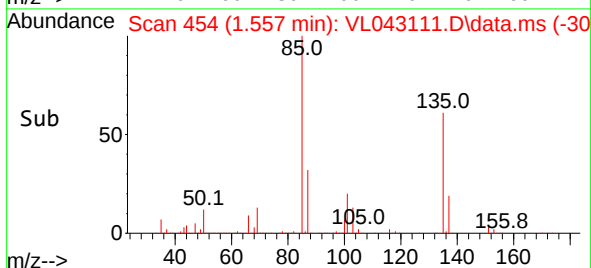
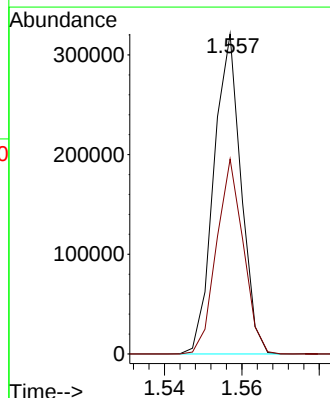
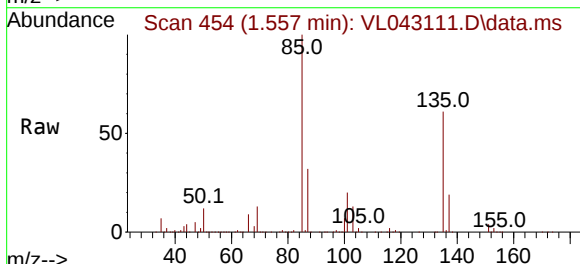
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ClientSampleId :
VSTDIC015

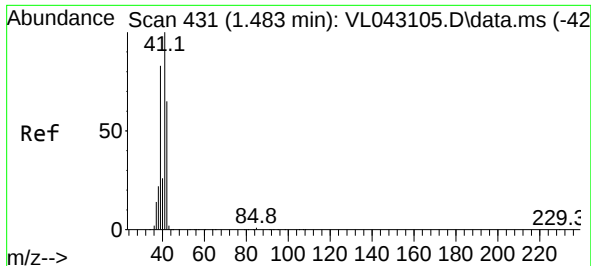
Tgt Ion: 64 Resp: 27709
Ion Ratio Lower Upper
64 100
66 35.5 26.0 39.0



#8
Dichlorotetrafluoroethane
Concen: 13.526 ppbv
RT: 1.557 min Scan# 454
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion: 85 Resp: 156753
Ion Ratio Lower Upper
85 100
135 60.1 48.2 72.4





#9

Propene

Concen: 12.854 ppbv

RT: 1.486 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL043111.D

Acq: 14 Oct 2025 14:18

Instrument :

MSVOA_1

ClientSampleId :

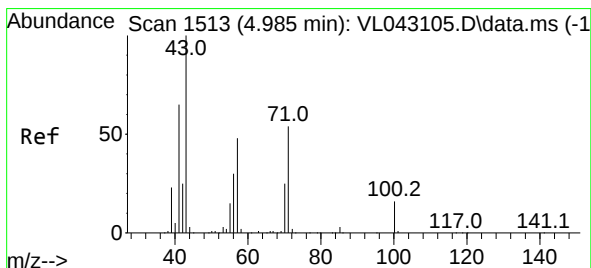
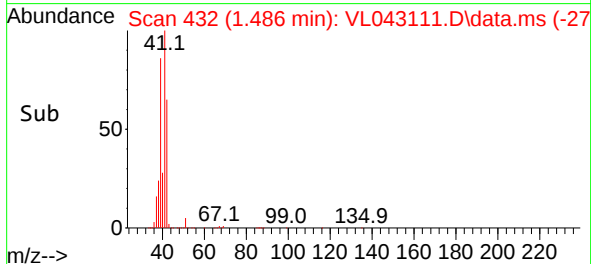
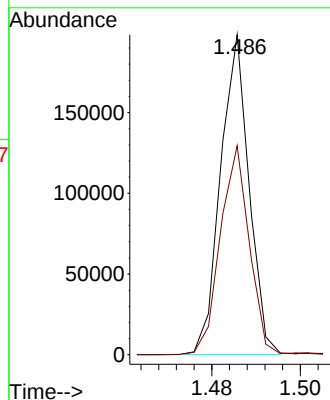
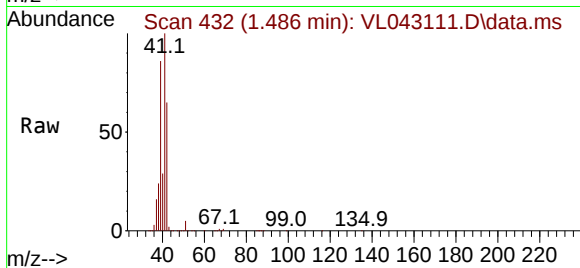
VSTDIC015

Tgt Ion: 41 Resp: 88451

Ion Ratio Lower Upper

41 100

42 67.2 55.1 82.7



#10

Heptane

Concen: 12.658 ppbv

RT: 4.985 min Scan# 1513

Delta R.T. -0.000 min

Lab File: VL043111.D

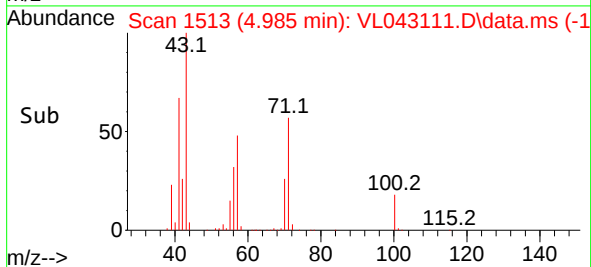
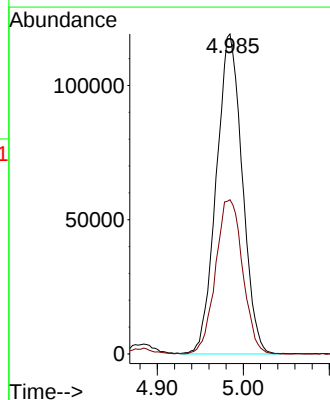
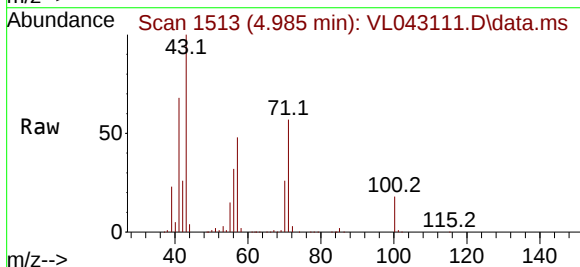
Acq: 14 Oct 2025 14:18

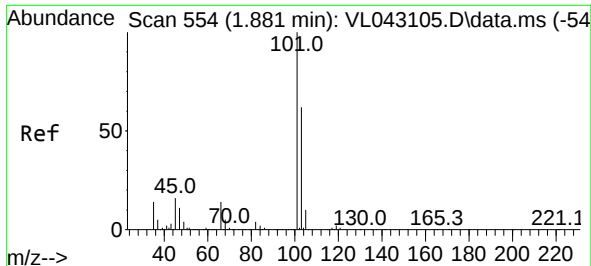
Tgt Ion: 43 Resp: 249682

Ion Ratio Lower Upper

43 100

57 50.3 40.8 61.2

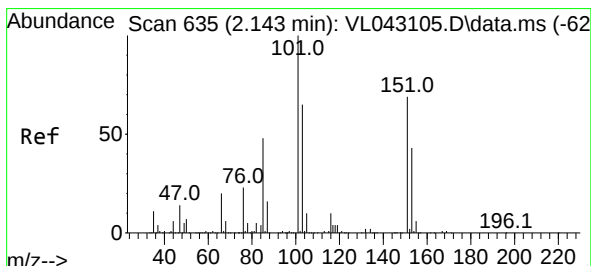
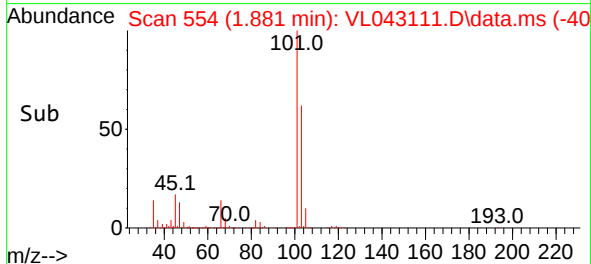
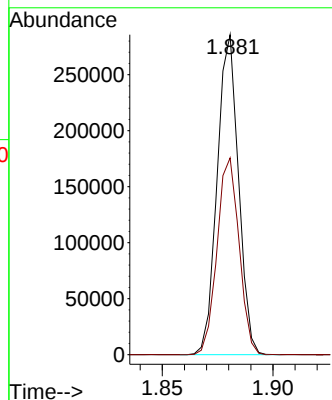
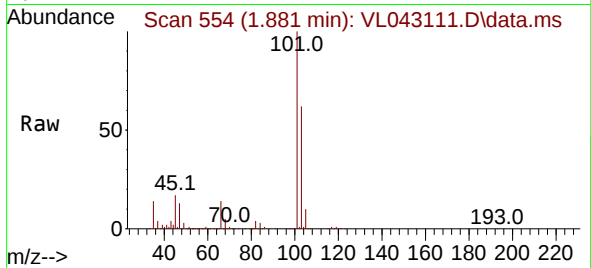




#11
 Trichlorofluoromethane
 Concen: 13.640 ppbv
 RT: 1.881 min Scan# 511
 Delta R.T. -0.000 min
 Lab File: VL043111.D
 Acq: 14 Oct 2025 14:18

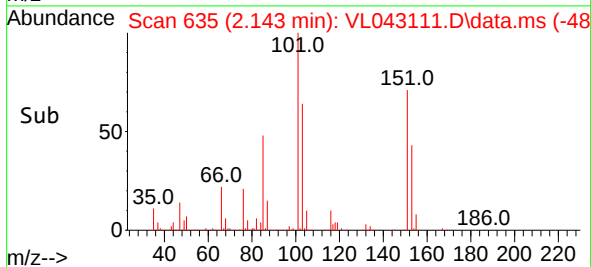
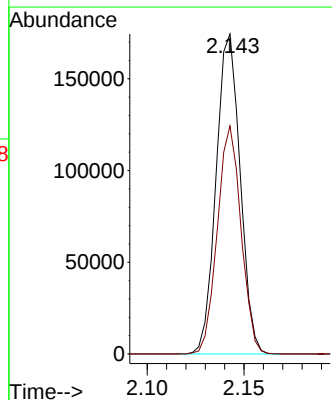
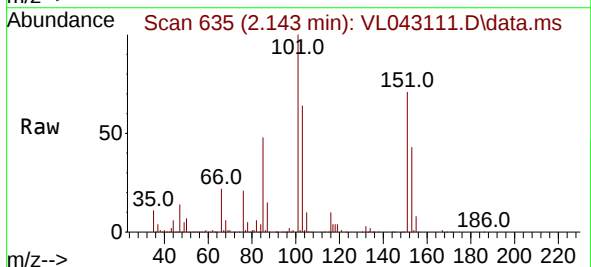
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

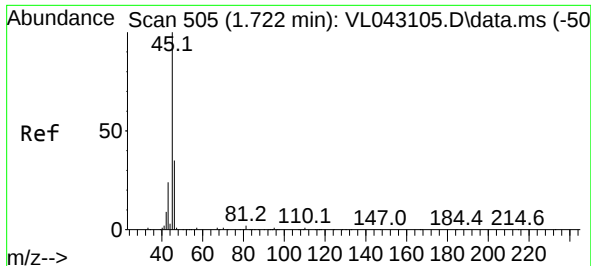
Tgt Ion:101 Resp: 191307
 Ion Ratio Lower Upper
 101 100
 103 61.5 49.3 73.9



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 13.341 ppbv
 RT: 2.143 min Scan# 635
 Delta R.T. -0.000 min
 Lab File: VL043111.D
 Acq: 14 Oct 2025 14:18

Tgt Ion:101 Resp: 150640
 Ion Ratio Lower Upper
 101 100
 151 70.0 54.7 82.1

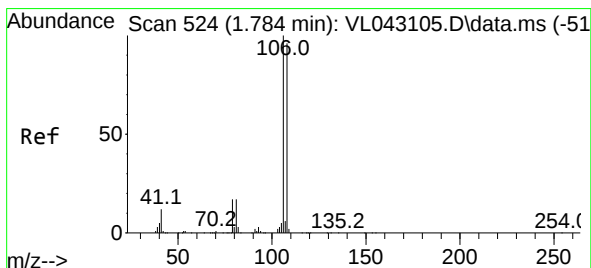
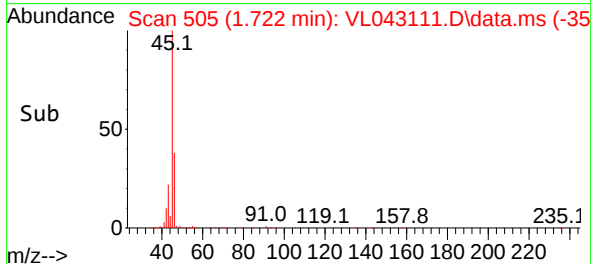
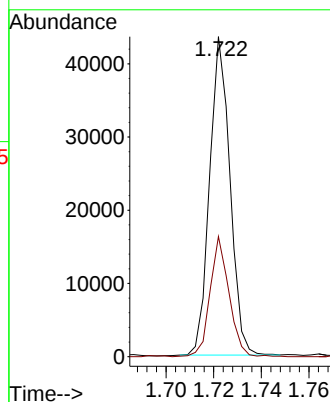
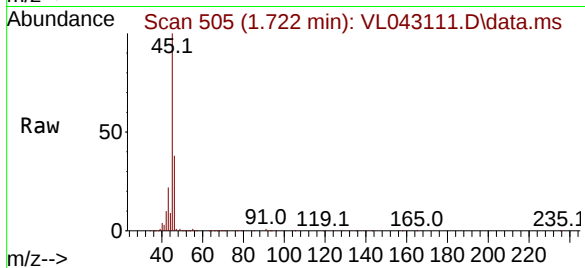




#13
Ethanol
Concen: 10.148 ppbv
RT: 1.722 min Scan# 505
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

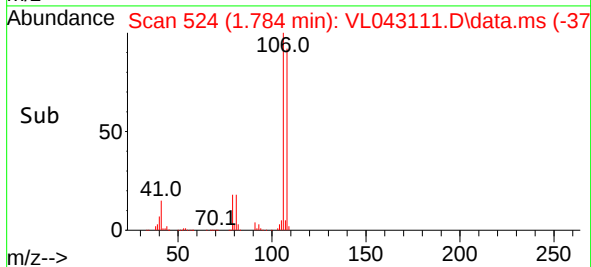
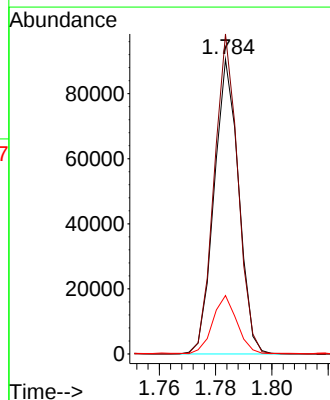
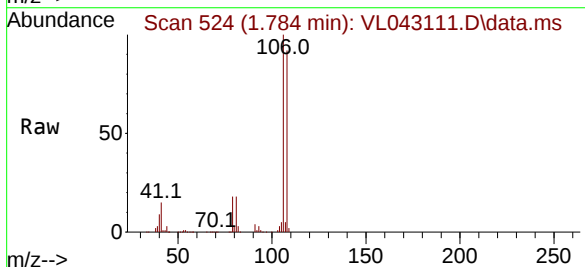
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

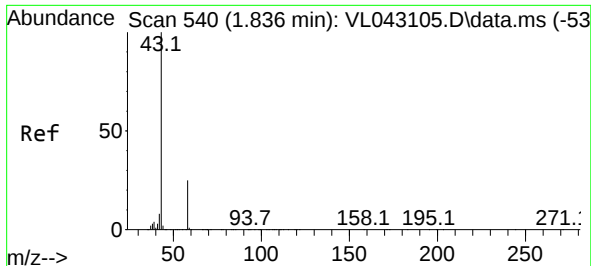
Tgt Ion: 45 Resp: 25828
Ion Ratio Lower Upper
45 100
46 35.5 14.7 58.9



#14
Bromoethene
Concen: 13.068 ppbv
RT: 1.784 min Scan# 524
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion: 108 Resp: 54818
Ion Ratio Lower Upper
108 100
106 104.9 84.4 126.6
79 20.2 15.3 22.9

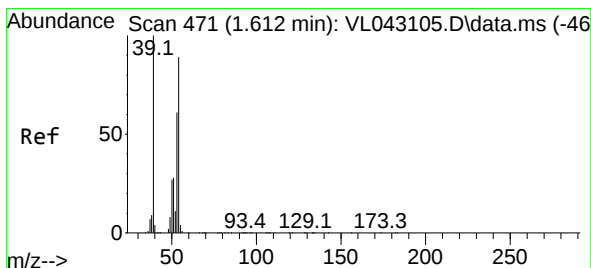
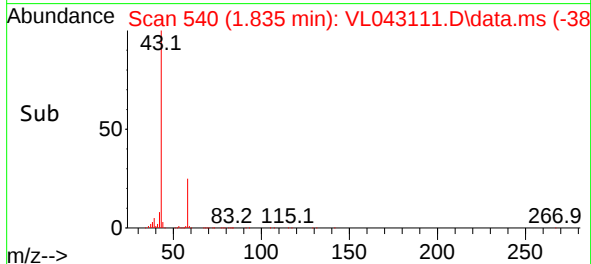
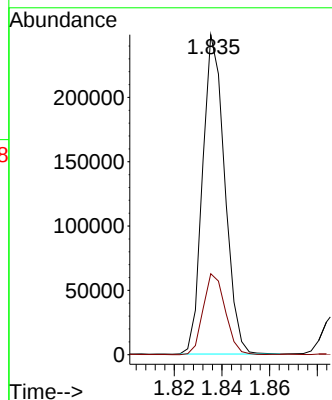
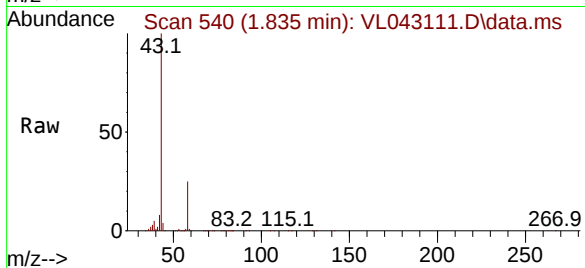




#15
Acetone
Concen: 11.710 ppbv
RT: 1.835 min Scan# 540
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

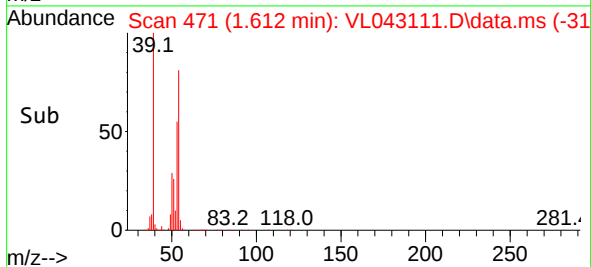
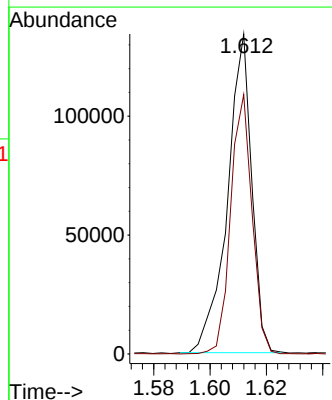
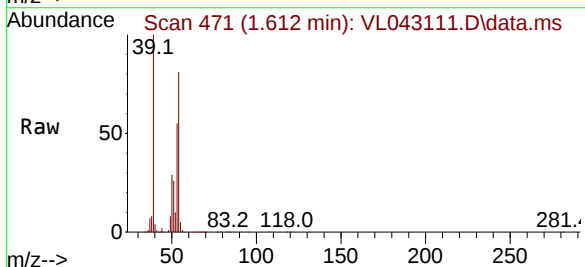
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

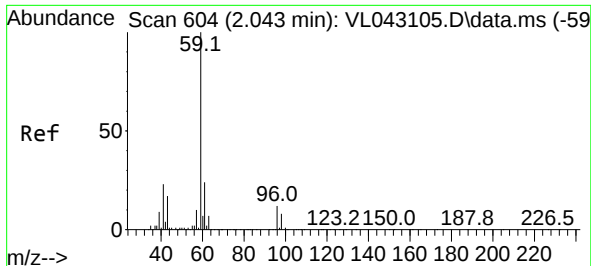
Tgt Ion: 43 Resp: 160069
Ion Ratio Lower Upper
43 100
58 26.0 20.8 31.2



#16
1,3-Butadiene
Concen: 12.411 ppbv
RT: 1.612 min Scan# 471
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion: 39 Resp: 80403
Ion Ratio Lower Upper
39 100
54 71.8 59.0 88.4





#17

tert-Butyl alcohol

Concen: 12.735 ppbv

RT: 2.039 min Scan# 604

Delta R.T. -0.004 min

Lab File: VL043111.D

Acq: 14 Oct 2025 14:18

Instrument :

MSVOA_L

ClientSampleId :

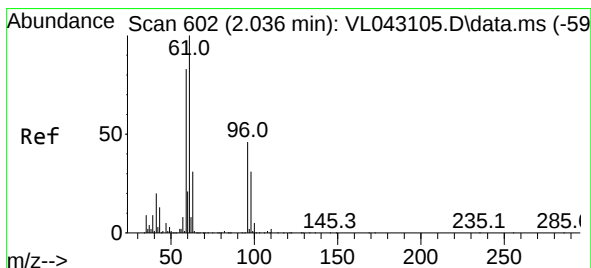
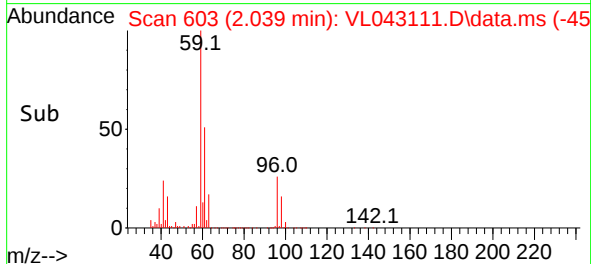
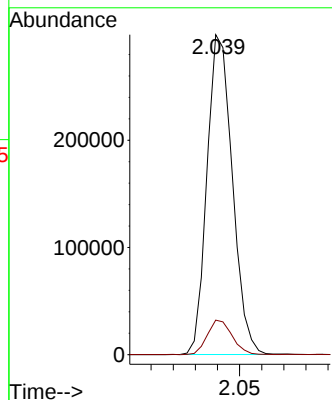
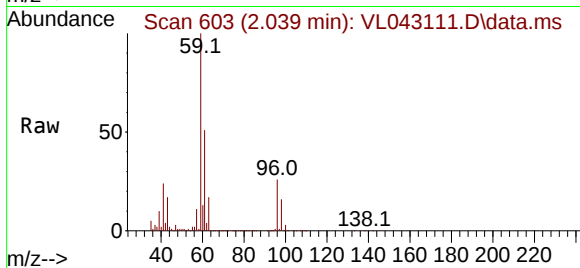
VSTDIC015

Tgt Ion: 59 Resp: 237633

Ion Ratio Lower Upper

59 100

57 10.6 8.2 12.4



#18

1,1-Dichloroethene

Concen: 13.333 ppbv

RT: 2.036 min Scan# 602

Delta R.T. -0.000 min

Lab File: VL043111.D

Acq: 14 Oct 2025 14:18

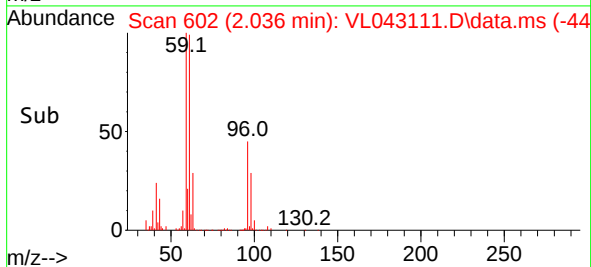
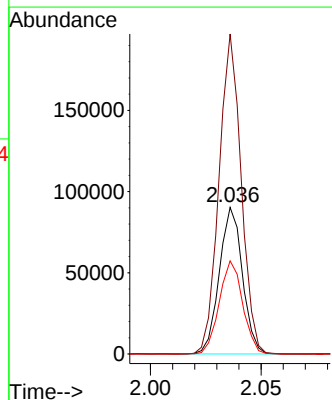
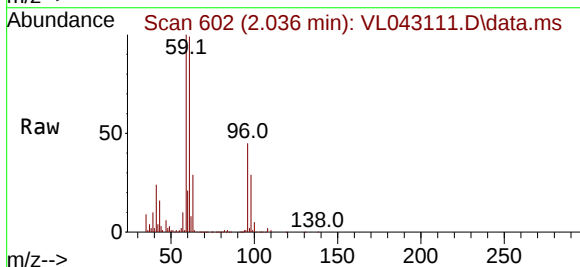
Tgt Ion: 96 Resp: 65634

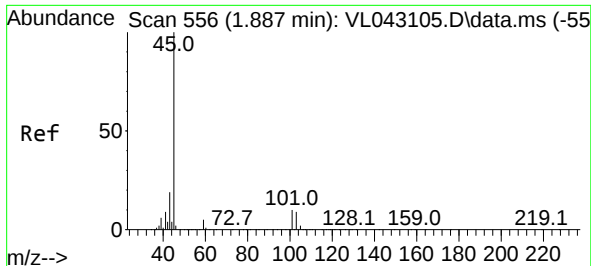
Ion Ratio Lower Upper

96 100

61 218.2 173.4 260.0

98 63.5 53.2 79.8

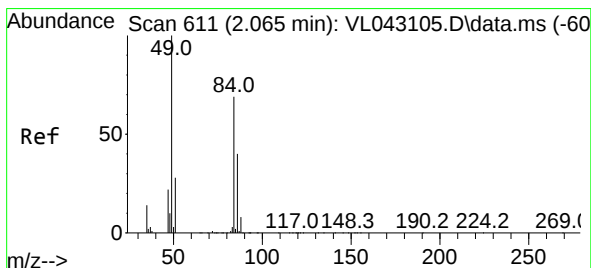
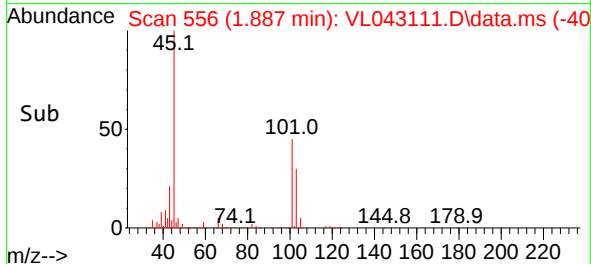
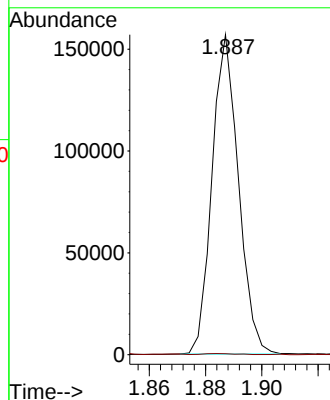
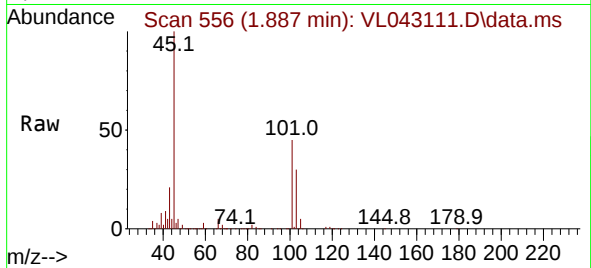




#19
Isopropyl Alcohol
Concen: 12.051 ppbv
RT: 1.887 min Scan# 556
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

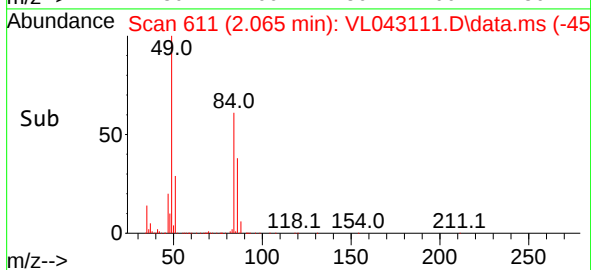
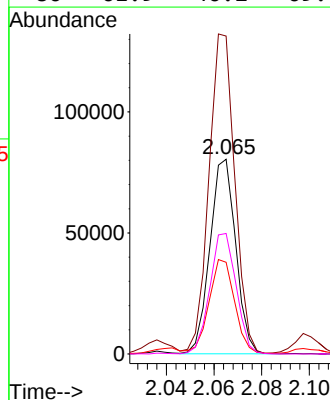
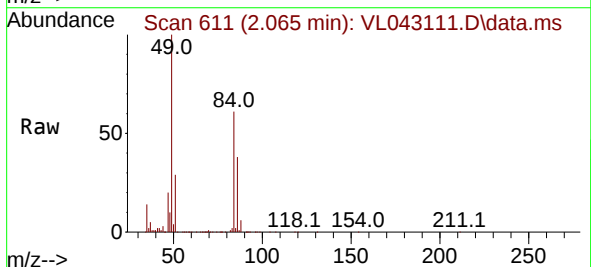
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC015

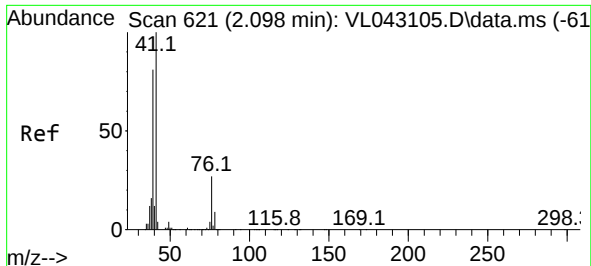
Tgt Ion: 45 Resp: 102035
Ion Ratio Lower Upper
45 100
58 40.2 31.3 46.9



#20
Methylene Chloride
Concen: 11.268 ppbv
RT: 2.065 min Scan# 611
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion: 84 Resp: 60549
Ion Ratio Lower Upper
84 100
49 162.4 116.6 175.0
51 46.6 34.8 52.2
86 61.9 46.2 69.4





#21

Allyl Chloride

Concen: 13.105 ppbv

RT: 2.097 min Scan# 61

Delta R.T. -0.000 min

Lab File: VL043111.D

Acq: 14 Oct 2025 14:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC015

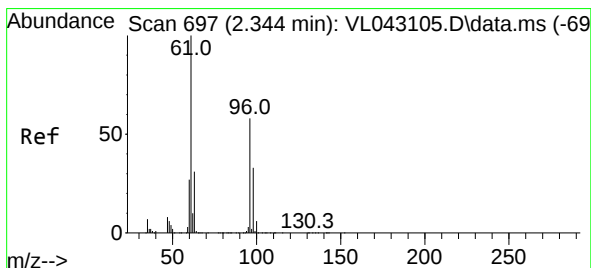
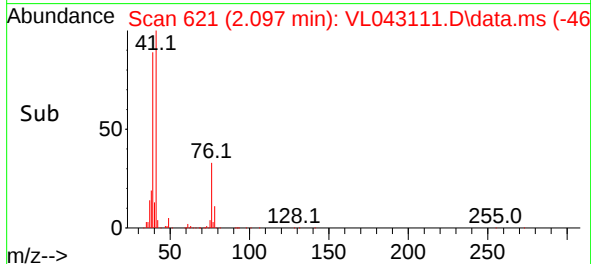
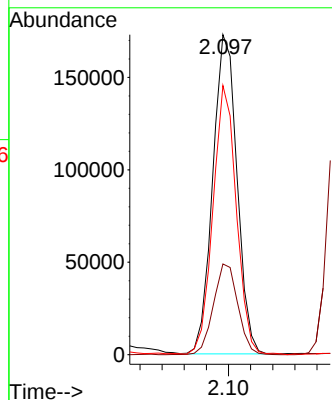
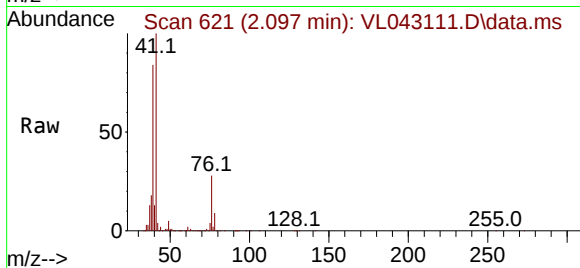
Tgt Ion: 41 Resp: 131539

Ion Ratio Lower Upper

41 100

76 28.8 21.5 32.3

39 80.9 60.8 91.2



#22

trans-1,2-Dichloroethene

Concen: 13.048 ppbv

RT: 2.343 min Scan# 697

Delta R.T. -0.000 min

Lab File: VL043111.D

Acq: 14 Oct 2025 14:18

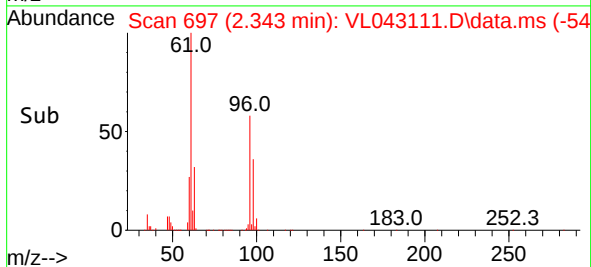
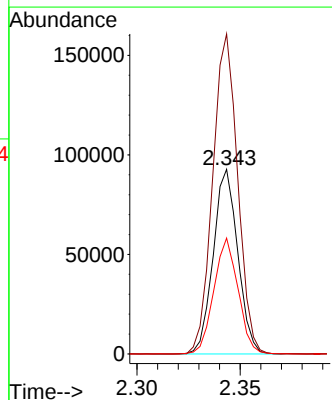
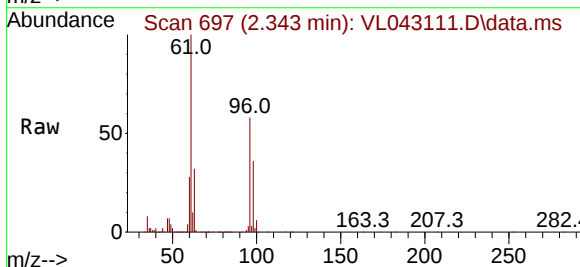
Tgt Ion: 96 Resp: 76780

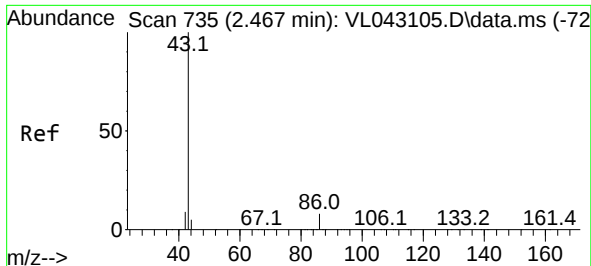
Ion Ratio Lower Upper

96 100

61 173.2 137.0 205.6

98 62.8 45.5 68.3



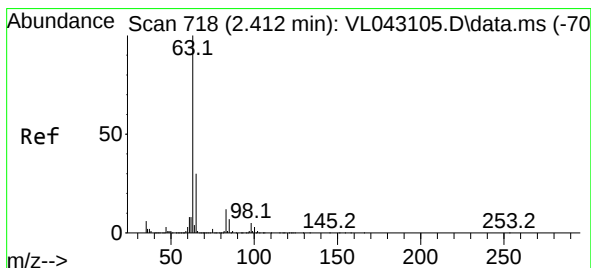
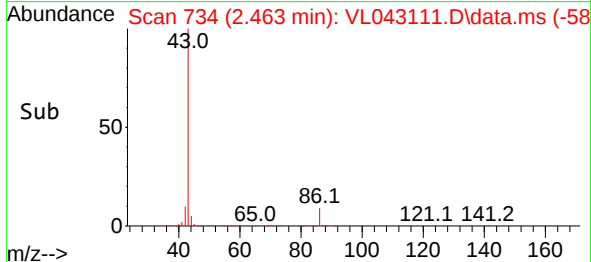
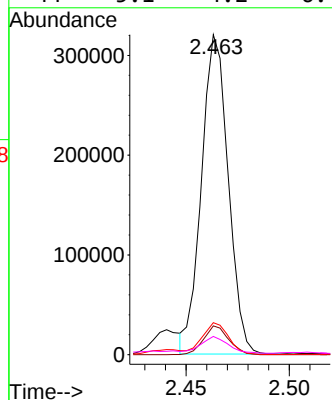
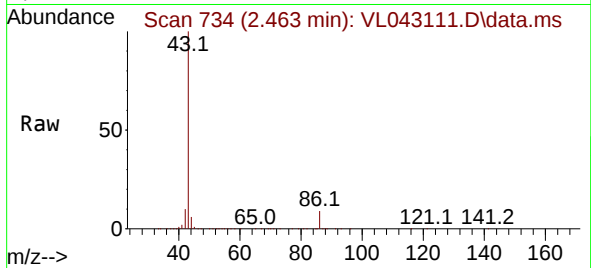


#23
 Vinyl Acetate
 Concen: 14.476 ppbv
 RT: 2.463 min Scan# 718
 Delta R.T. -0.004 min
 Lab File: VL043111.D
 Acq: 14 Oct 2025 14:18

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tgt Ion: 43 Resp: 288274

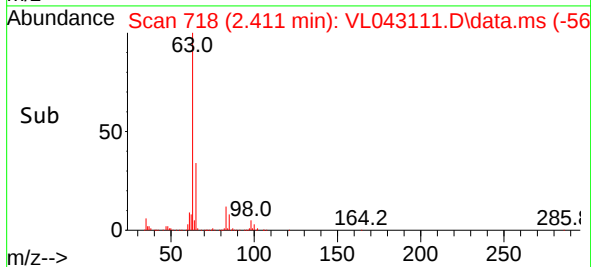
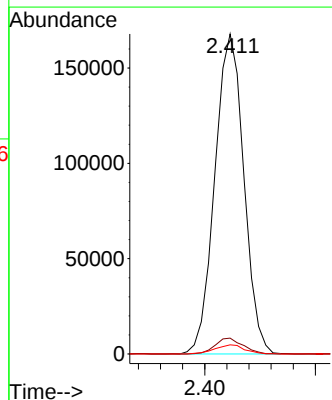
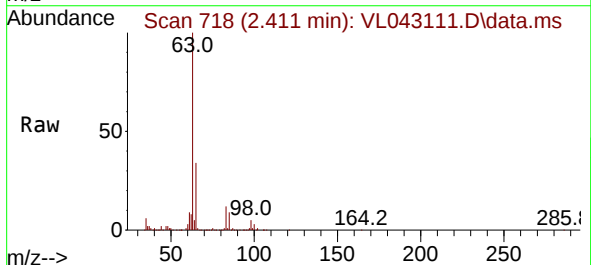
Ion	Ratio	Lower	Upper
43	100		
86	9.0	6.2	9.2
42	10.0	7.6	11.4
44	5.1	4.2	6.4

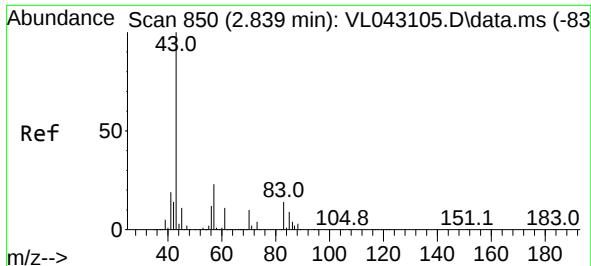


#24
 1,1-Dichloroethane
 Concen: 13.428 ppbv
 RT: 2.411 min Scan# 718
 Delta R.T. -0.000 min
 Lab File: VL043111.D
 Acq: 14 Oct 2025 14:18

Tgt Ion: 63 Resp: 152663

Ion	Ratio	Lower	Upper
63	100		
98	4.9	2.6	7.8
100	2.8	1.5	4.4



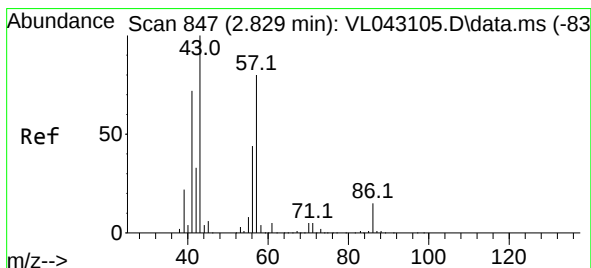
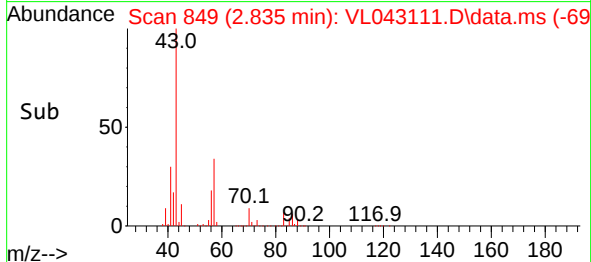
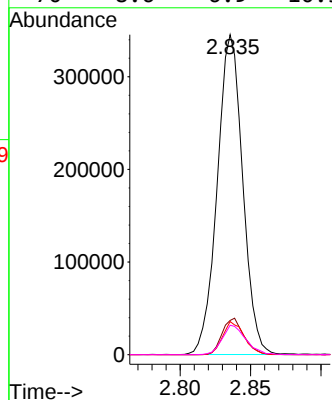
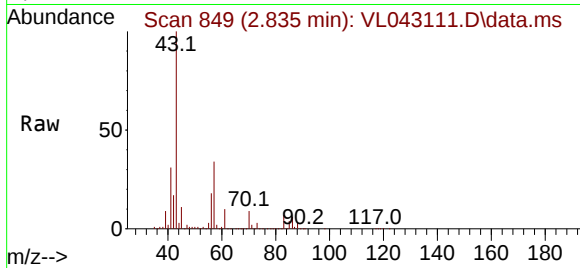


#25
Ethyl Acetate
Concen: 12.884 ppbv
RT: 2.835 min Scan# 849
Delta R.T. -0.004 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 43 Resp: 434350

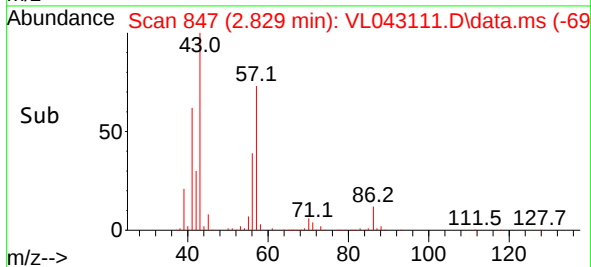
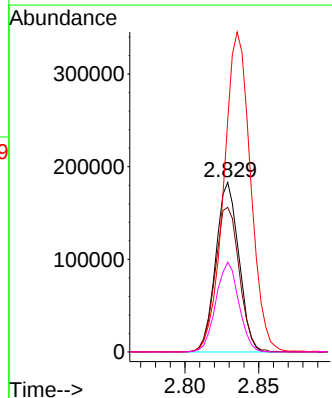
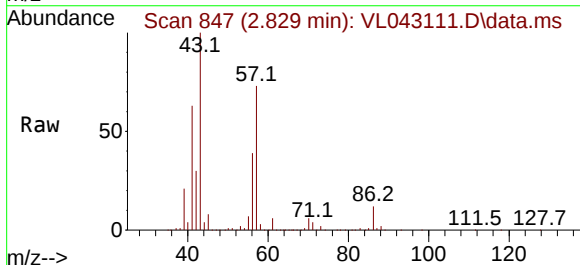
Ion	Ratio	Lower	Upper
43	100		
45	9.8	7.8	11.8
61	8.9	7.0	10.6
70	8.6	6.9	10.3

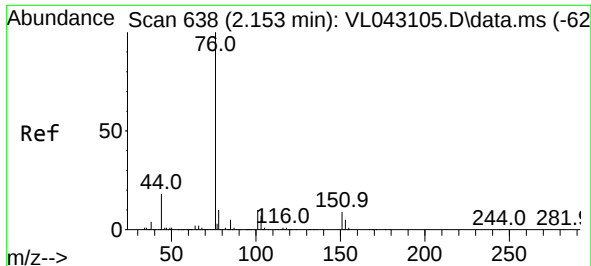


#26
Hexane
Concen: 12.836 ppbv
RT: 2.829 min Scan# 847
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion: 57 Resp: 199384

Ion	Ratio	Lower	Upper
57	100		
41	89.9	71.4	107.0
43	218.2	178.5	267.7
56	52.7	42.2	63.4

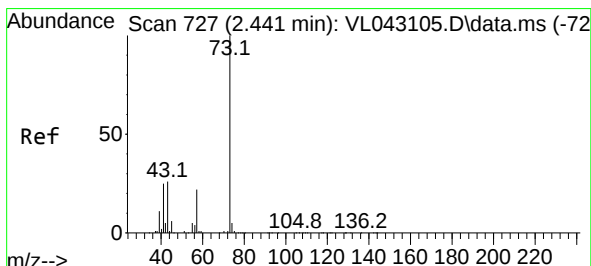
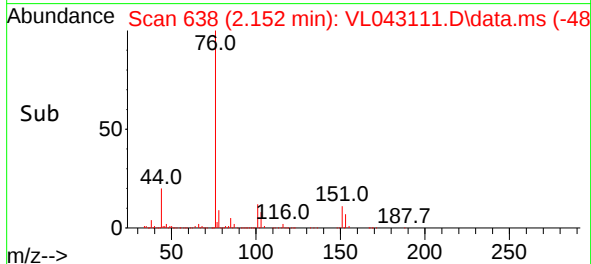
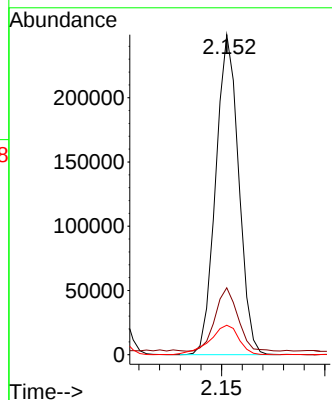
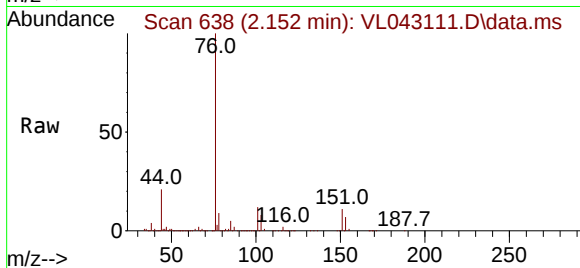




#27
Carbon Disulfide
Concen: 13.522 ppbv
RT: 2.152 min Scan# 61
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

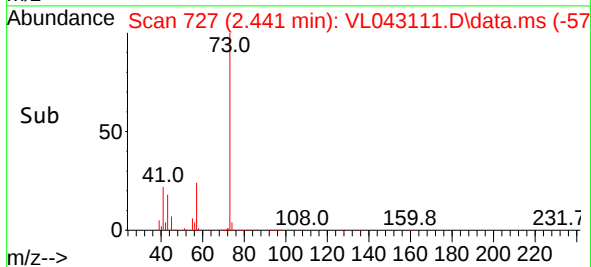
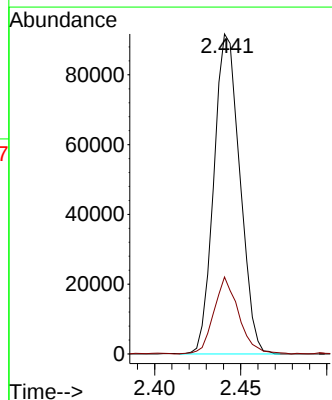
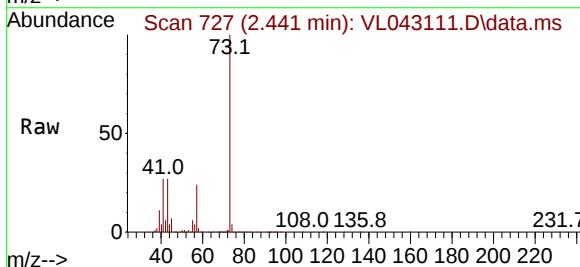
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

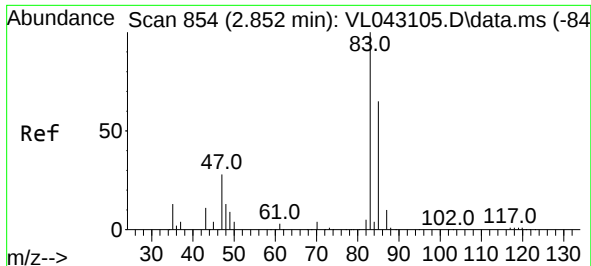
Tgt Ion: 76 Resp: 192452
Ion Ratio Lower Upper
76 100
44 20.6 16.7 25.1
78 11.6 9.3 13.9



#28
Methyl tert-Butyl Ether
Concen: 13.650 ppbv
RT: 2.441 min Scan# 727
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion: 73 Resp: 96464
Ion Ratio Lower Upper
73 100
57 22.7 20.5 30.7





#29

Chloroform

Concen: 13.425 ppbv

RT: 2.852 min Scan# 81

Delta R.T. -0.000 min

Lab File: VL043111.D

Acq: 14 Oct 2025 14:18

Instrument :

MSVOA_L

ClientSampleId :

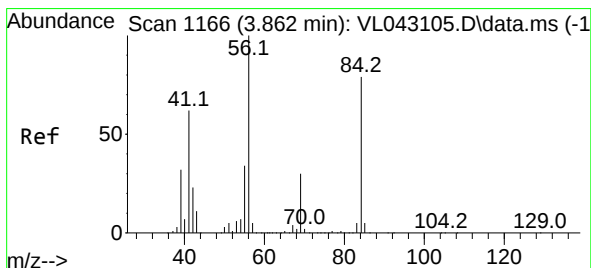
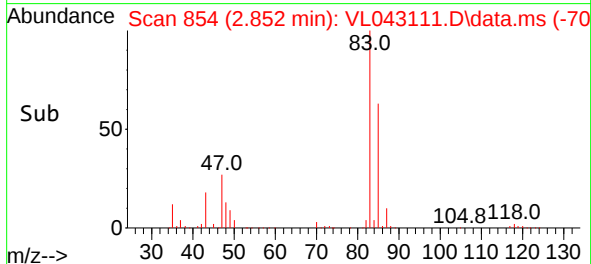
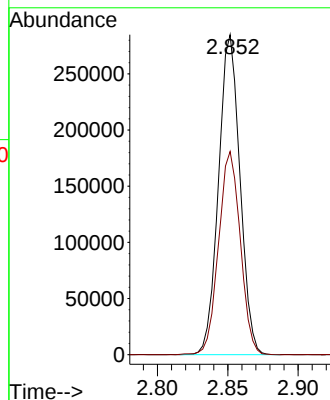
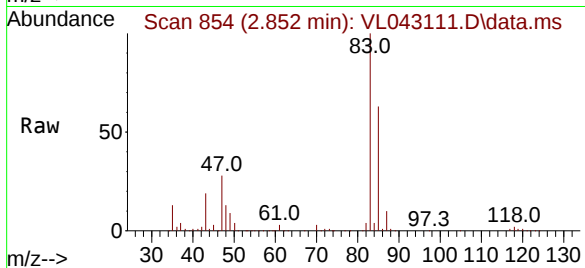
VSTDIC015

Tgt Ion: 83 Resp: 302154

Ion Ratio Lower Upper

83 100

85 63.5 51.8 77.6



#30

Cyclohexane

Concen: 13.133 ppbv

RT: 3.858 min Scan# 1165

Delta R.T. -0.004 min

Lab File: VL043111.D

Acq: 14 Oct 2025 14:18

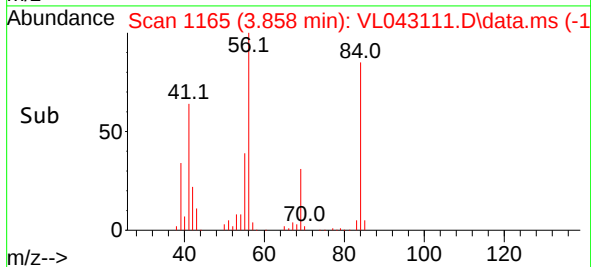
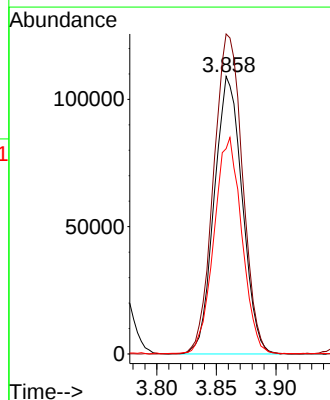
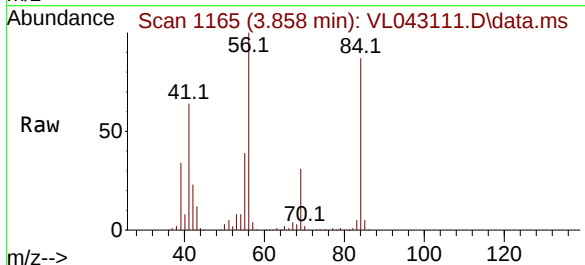
Tgt Ion: 84 Resp: 177947

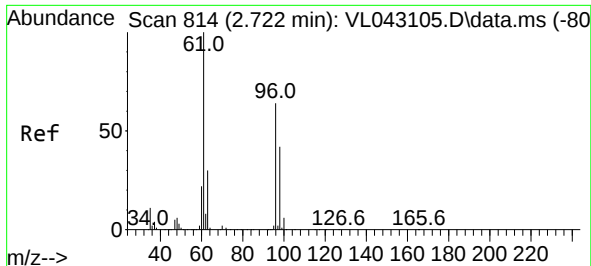
Ion Ratio Lower Upper

84 100

56 119.1 100.9 151.3

41 77.3 63.8 95.6

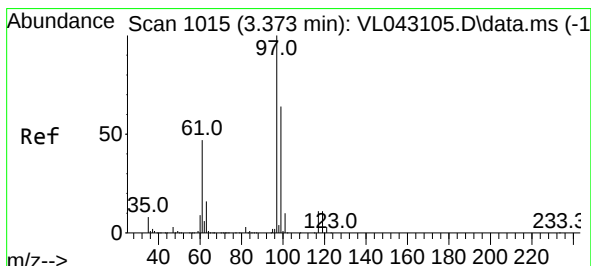
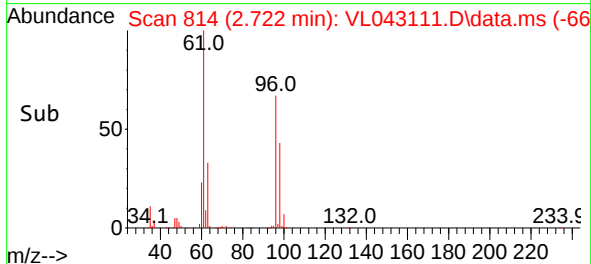
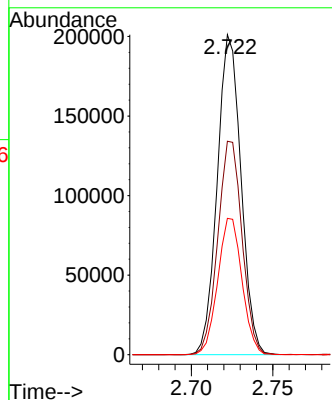
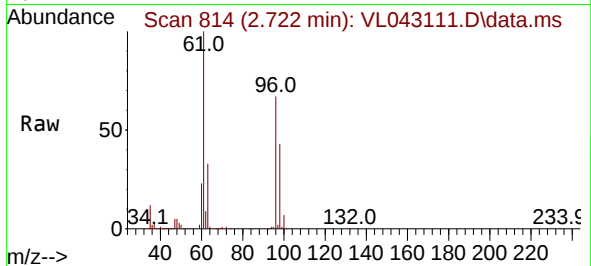




#31
 cis-1,2-Dichloroethene
 Concen: 13.745 ppbv
 RT: 2.722 min Scan# 814
 Delta R.T. -0.000 min
 Lab File: VL043111.D
 Acq: 14 Oct 2025 14:18

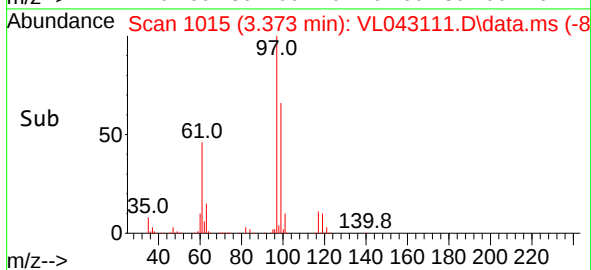
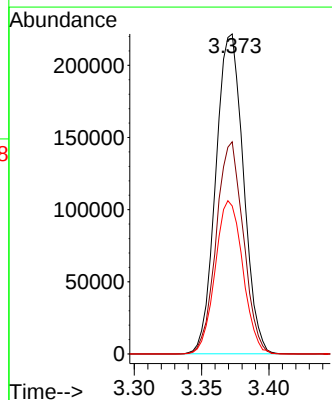
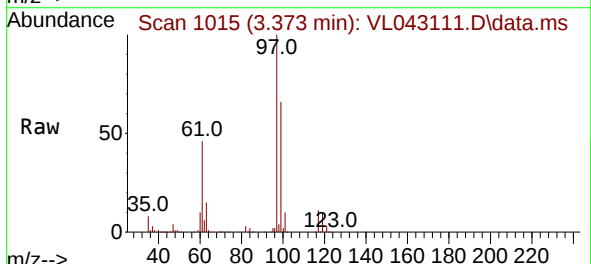
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

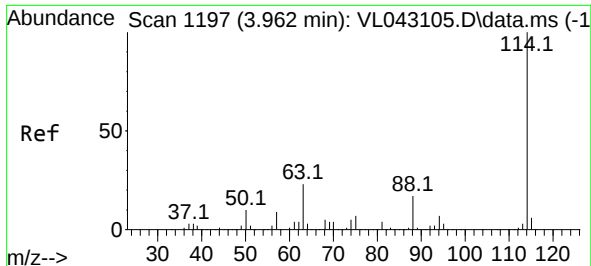
Tgt Ion: 61 Resp: 203888
 Ion Ratio Lower Upper
 61 100
 96 66.7 51.0 76.6
 98 42.6 33.5 50.3



#32
 1,1,1-Trichloroethane
 Concen: 13.500 ppbv
 RT: 3.373 min Scan# 1015
 Delta R.T. -0.000 min
 Lab File: VL043111.D
 Acq: 14 Oct 2025 14:18

Tgt Ion: 97 Resp: 316442
 Ion Ratio Lower Upper
 97 100
 99 65.2 51.3 76.9
 61 48.0 38.4 57.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.962 min Scan# 1197

Delta R.T. -0.000 min

Lab File: VL043111.D

Acq: 14 Oct 2025 14:18

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC015

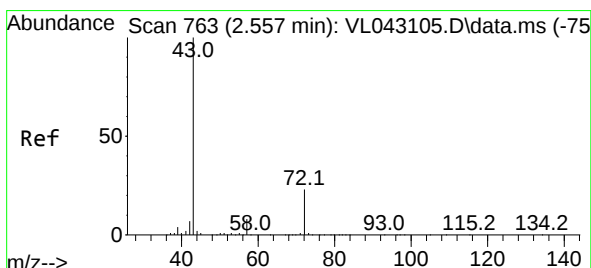
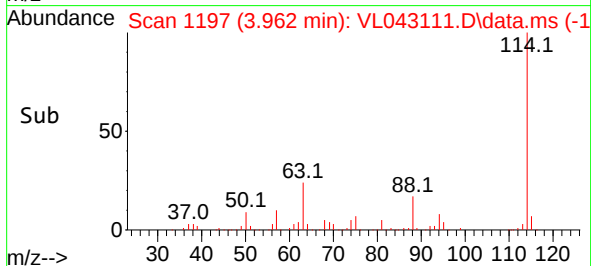
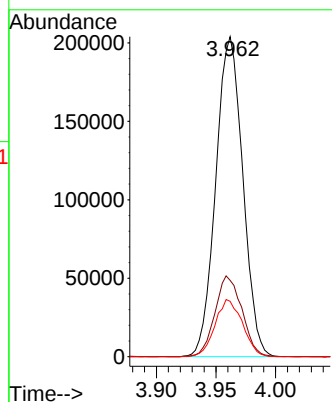
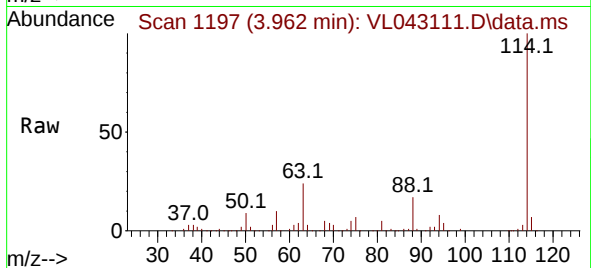
Tgt Ion:114 Resp: 321665

Ion Ratio Lower Upper

114 100

63 25.1 19.3 28.9

88 18.1 13.9 20.9



#34

2-Butanone

Concen: 13.020 ppbv

RT: 2.557 min Scan# 763

Delta R.T. -0.000 min

Lab File: VL043111.D

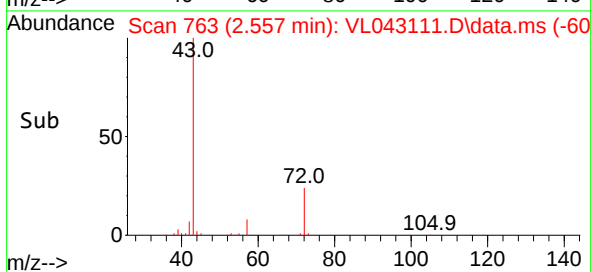
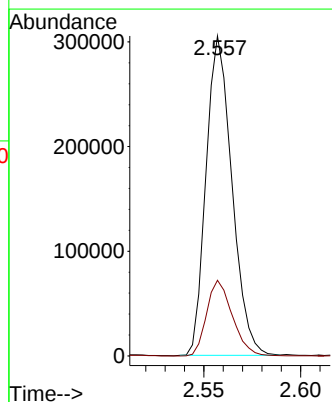
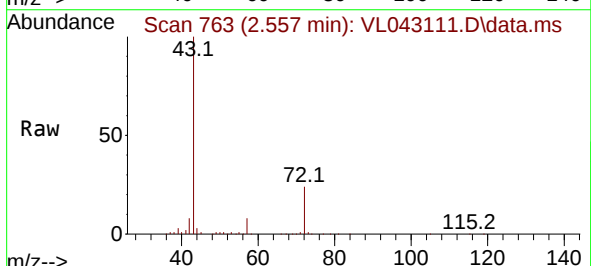
Acq: 14 Oct 2025 14:18

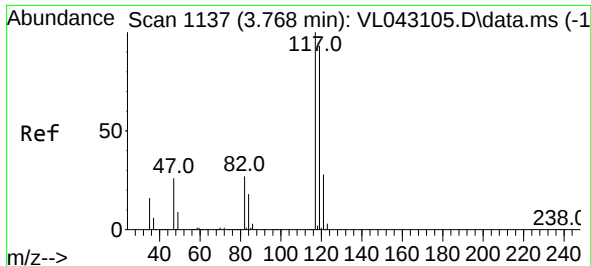
Tgt Ion: 43 Resp: 283134

Ion Ratio Lower Upper

43 100

72 23.6 18.4 27.6

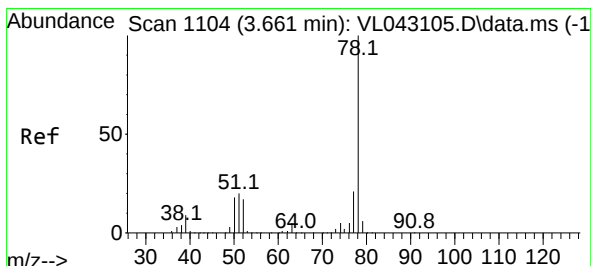
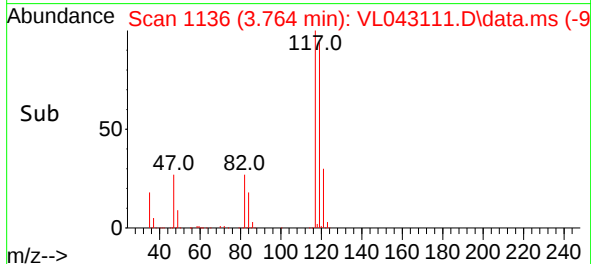
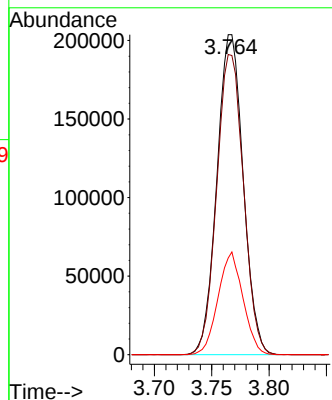
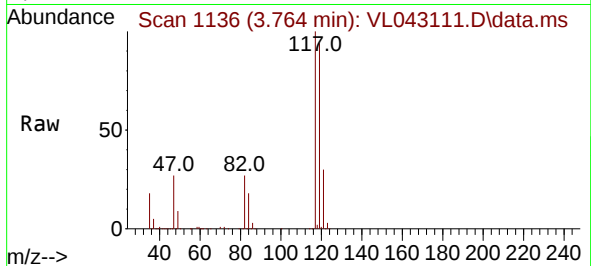




#35
Carbon Tetrachloride
Concen: 14.056 ppbv
RT: 3.764 min Scan# 1136
Delta R.T. -0.004 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

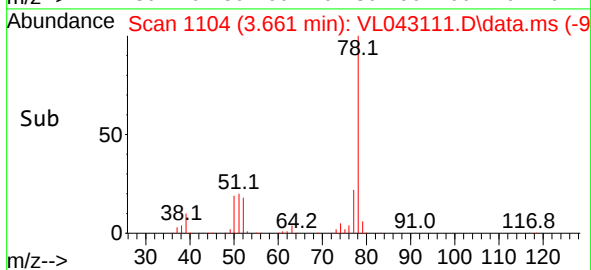
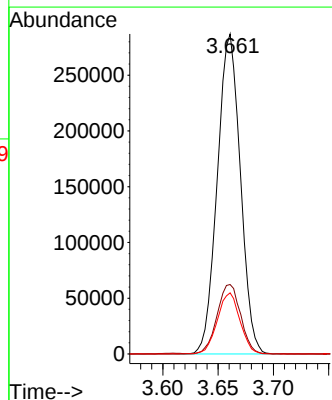
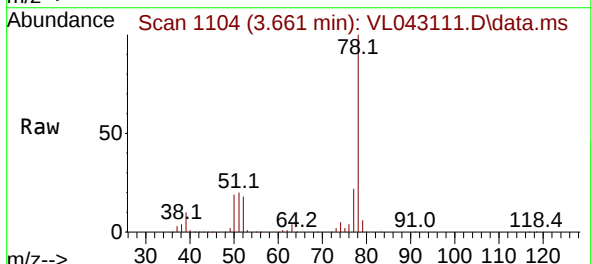
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

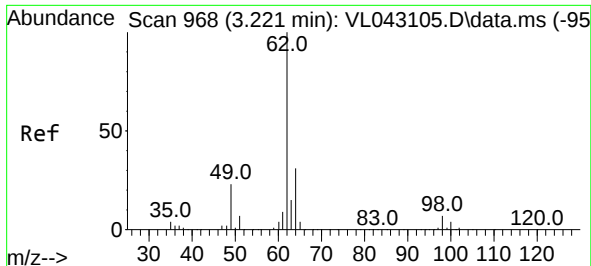
Tgt Ion:117 Resp: 325078
Ion Ratio Lower Upper
117 100
119 93.8 74.1 111.1
121 30.2 22.2 33.2



#36
Benzene
Concen: 13.725 ppbv
RT: 3.661 min Scan# 1104
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion: 78 Resp: 415823
Ion Ratio Lower Upper
78 100
77 21.6 17.0 25.6
50 19.1 14.6 22.0

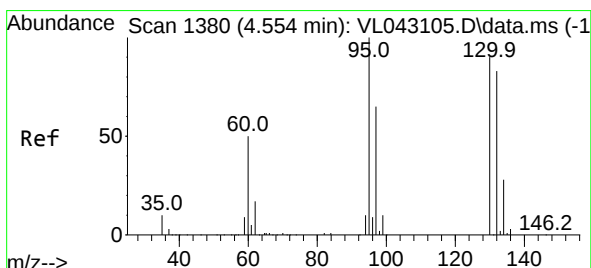
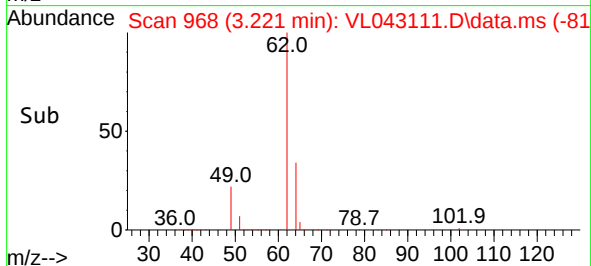
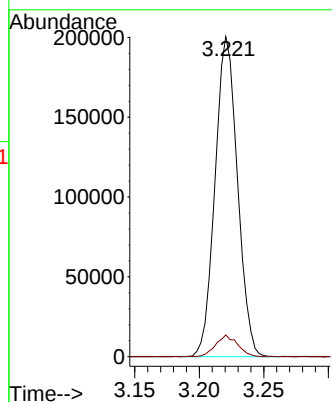
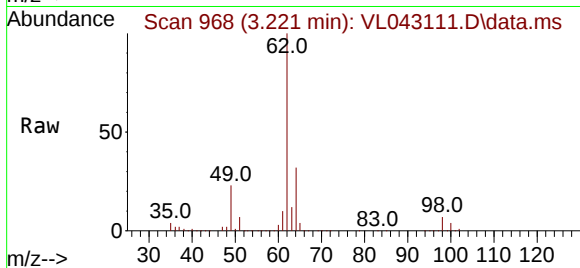




#37
1,2-Dichloroethane
Concen: 13.865 ppbv
RT: 3.221 min Scan# 968
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

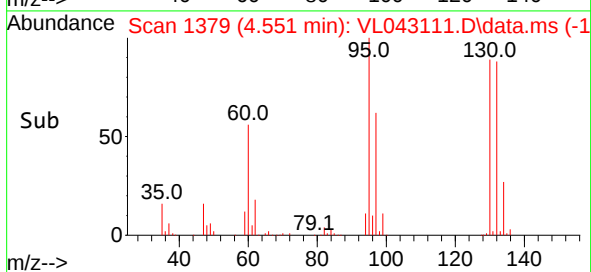
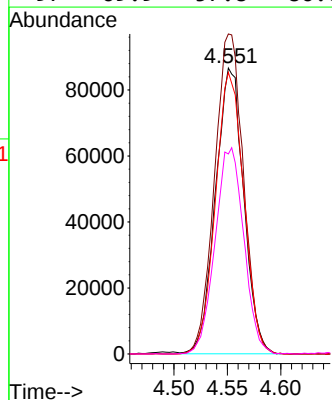
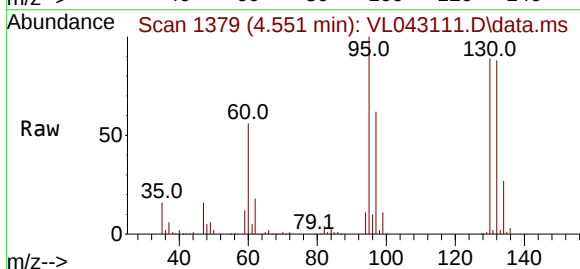
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

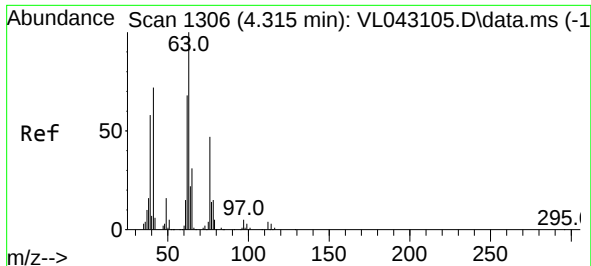
Tgt Ion: 62 Resp: 241983
Ion Ratio Lower Upper
62 100
98 6.6 5.8 8.6



#38
Trichloroethene
Concen: 12.590 ppbv
RT: 4.551 min Scan# 1379
Delta R.T. -0.004 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion:130 Resp: 159136
Ion Ratio Lower Upper
130 100
95 111.8 88.6 133.0
132 98.5 73.4 110.0
97 69.9 57.8 86.6





#39

1,2-Dichloropropane

Concen: 13.274 ppbv

RT: 4.318 min Scan# 11

Delta R.T. 0.003 min

Lab File: VL043111.D

Acq: 14 Oct 2025 14:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

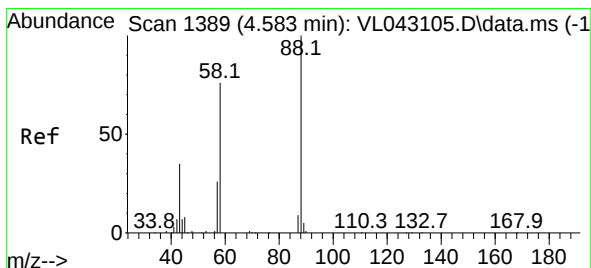
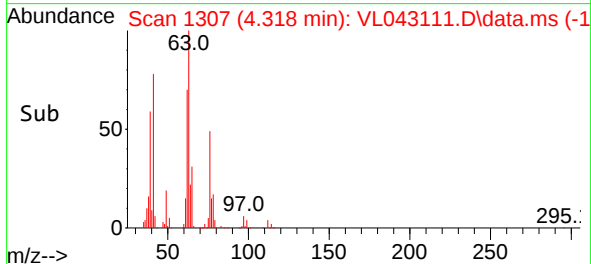
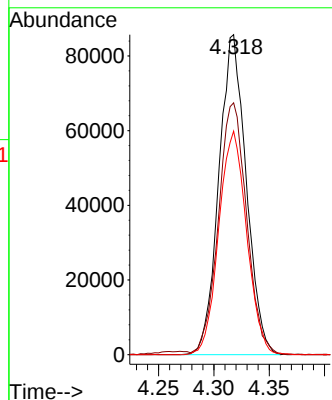
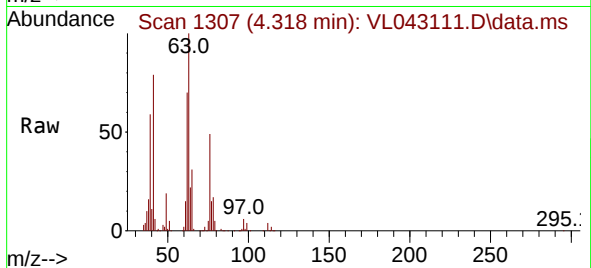
Tgt Ion: 63 Resp: 147155

Ion Ratio Lower Upper

63 100

41 78.4 58.0 87.0

62 69.9 54.7 82.1



#40

1,4-Dioxane

Concen: 13.180 ppbv

RT: 4.580 min Scan# 1388

Delta R.T. -0.004 min

Lab File: VL043111.D

Acq: 14 Oct 2025 14:18

Tgt Ion: 88 Resp: 65323

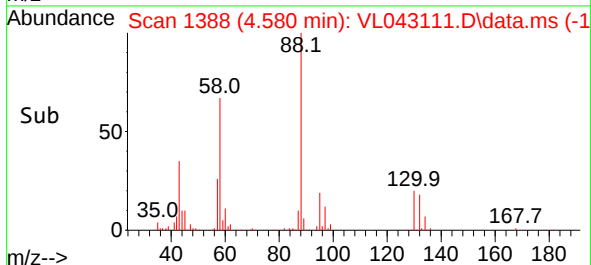
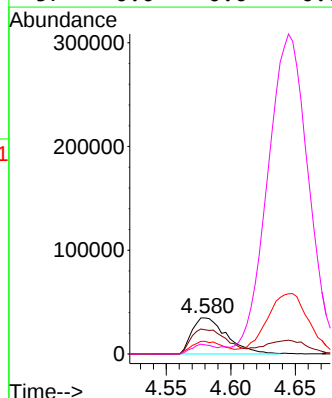
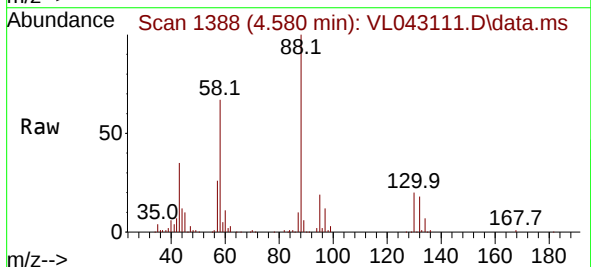
Ion Ratio Lower Upper

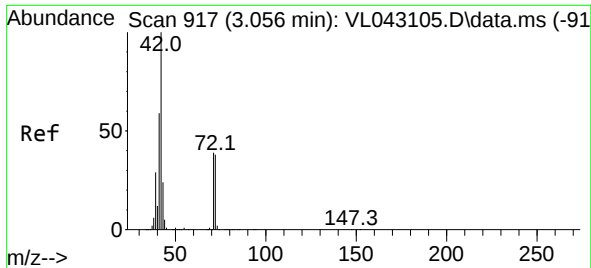
88 100

58 69.1 61.1 91.7

43 30.0 24.0 36.0

57 0.0 0.0 0.0

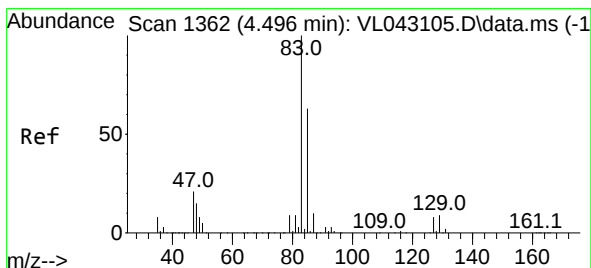
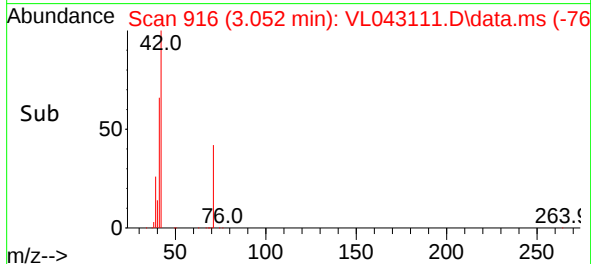
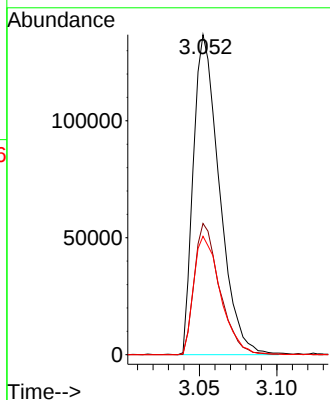
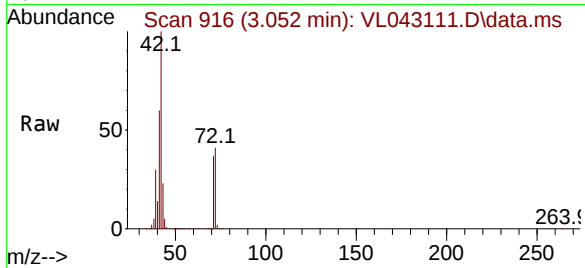




#41
Tetrahydrofuran
Concen: 13.200 ppbv
RT: 3.052 min Scan# 917
Delta R.T. -0.004 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

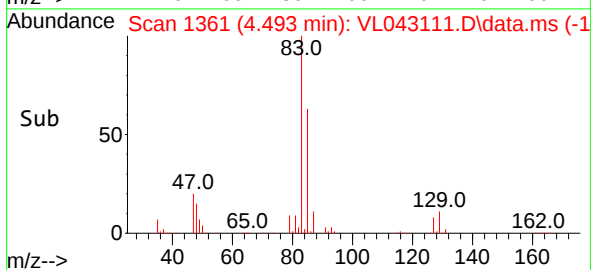
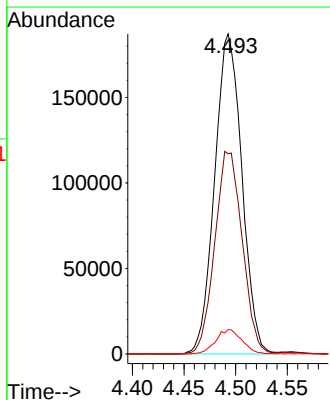
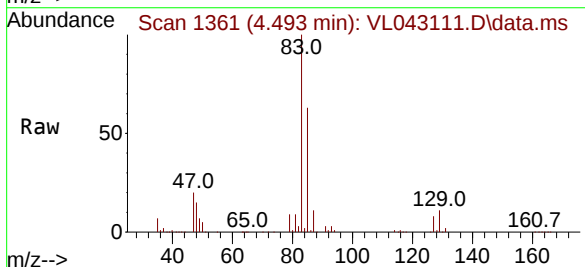
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 42 Resp: 160247
Ion Ratio Lower Upper
42 100
72 40.0 31.3 46.9
71 38.2 30.4 45.6



#42
Bromodichloromethane
Concen: 14.234 ppbv
RT: 4.493 min Scan# 1361
Delta R.T. -0.004 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion: 83 Resp: 343817
Ion Ratio Lower Upper
83 100
85 62.5 50.6 75.8
127 7.6 6.3 9.5

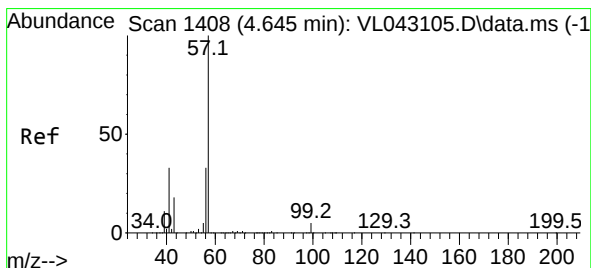
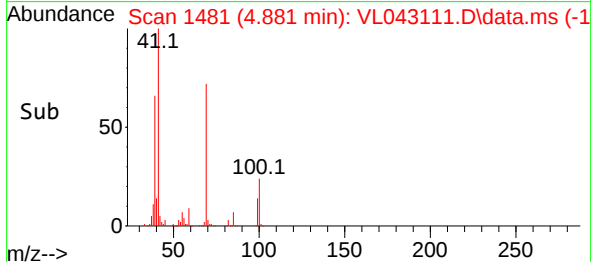
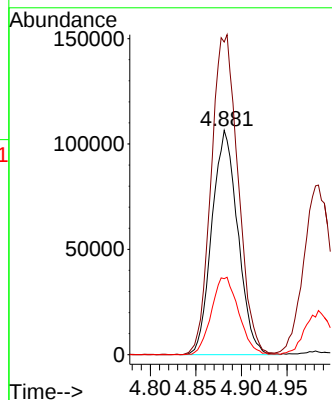
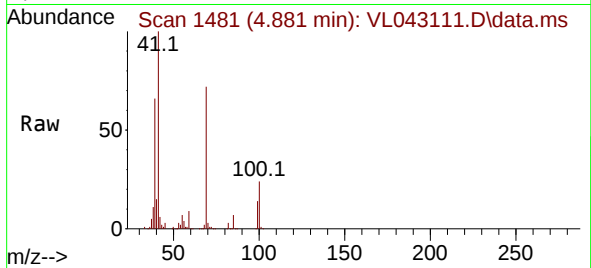




#43
Methyl Methacrylate
Concen: 13.633 ppbv
RT: 4.881 min Scan# 1481
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

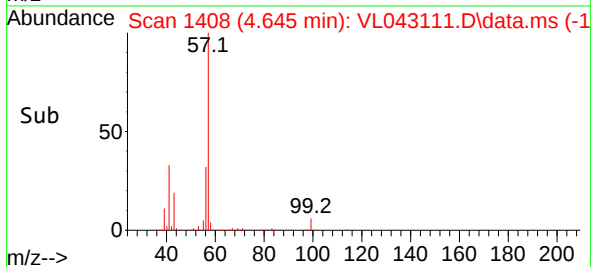
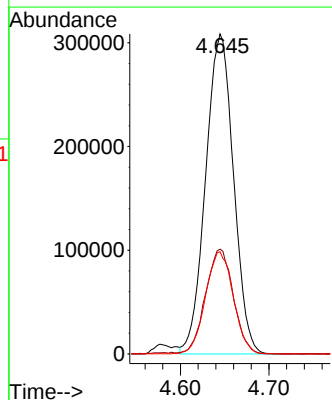
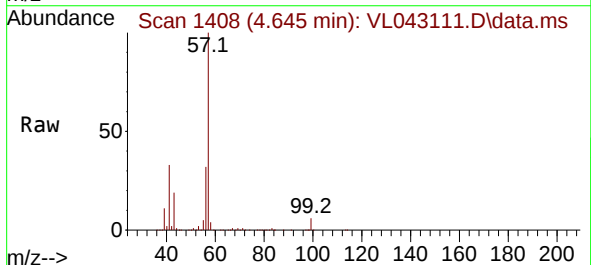
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC015

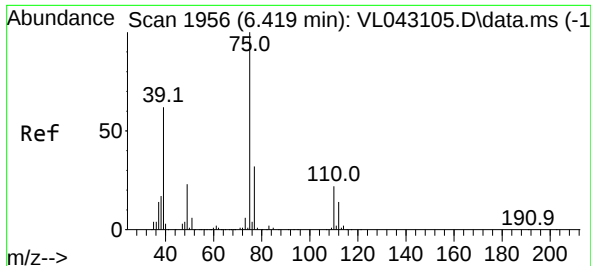
Tgt Ion: 69 Resp: 210756
Ion Ratio Lower Upper
69 100
41 148.2 120.5 180.7
100 36.3 29.0 43.4



#44
2,2,4-Trimethylpentane
Concen: 13.340 ppbv
RT: 4.645 min Scan# 1408
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion: 57 Resp: 675770
Ion Ratio Lower Upper
57 100
41 33.2 26.3 39.5
56 31.9 25.9 38.9





#45

t-1,3-Dichloropropene

Concen: 14.142 ppbv

RT: 6.418 min Scan# 1956

Delta R.T. -0.000 min

Lab File: VL043111.D

Acq: 14 Oct 2025 14:18

Instrument :

MSVOA_L

ClientSampleId :

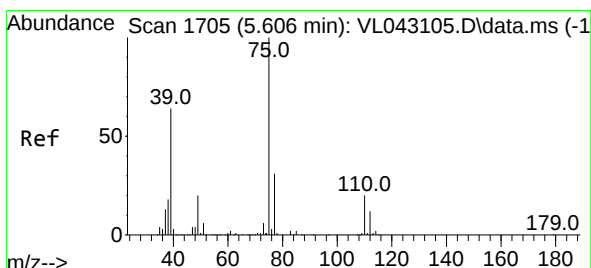
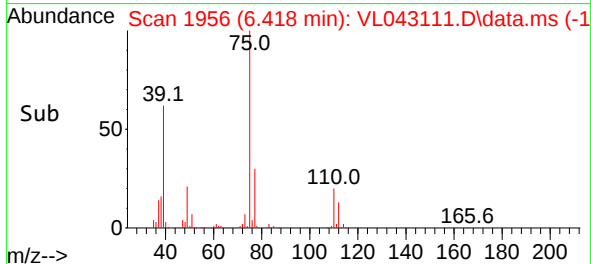
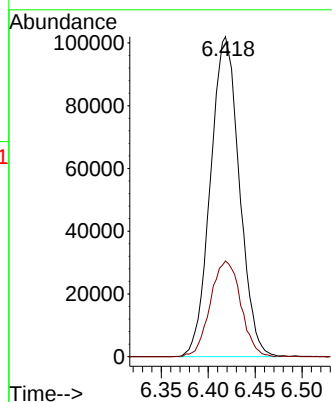
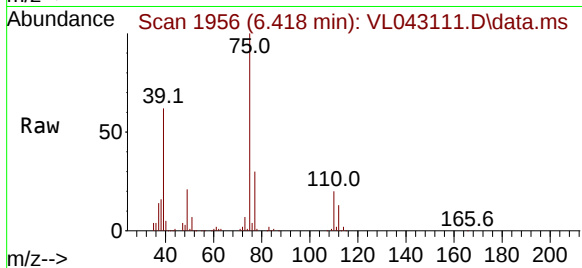
VSTDIC015

Tgt Ion: 75 Resp: 218386

Ion Ratio Lower Upper

75 100

77 29.9 25.4 38.2



#46

cis-1,3-Dichloropropene

Concen: 14.018 ppbv

RT: 5.606 min Scan# 1705

Delta R.T. -0.000 min

Lab File: VL043111.D

Acq: 14 Oct 2025 14:18

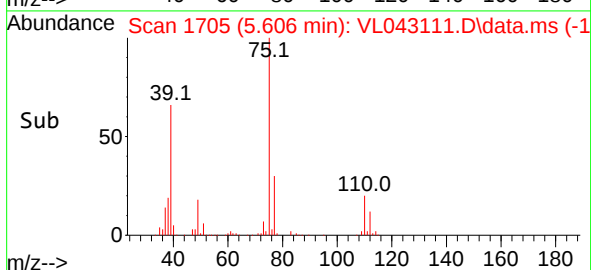
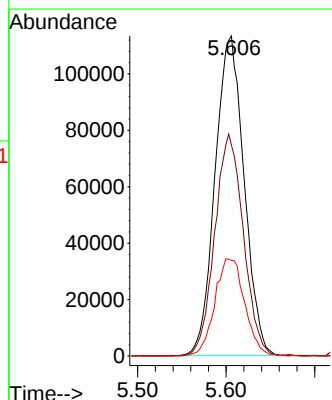
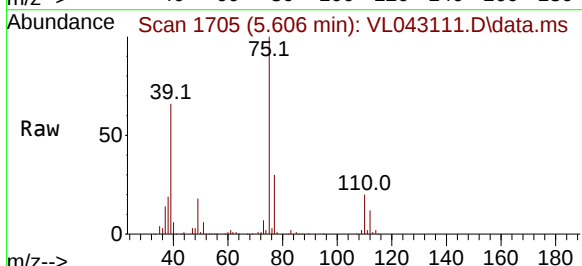
Tgt Ion: 75 Resp: 258355

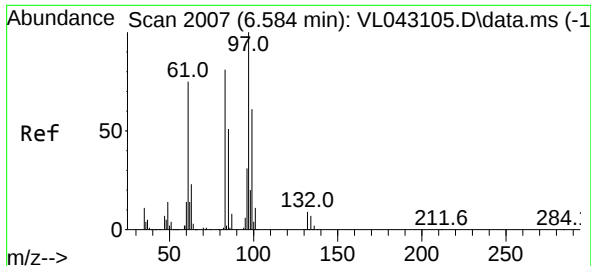
Ion Ratio Lower Upper

75 100

39 65.8 51.0 76.6

77 29.9 25.0 37.4

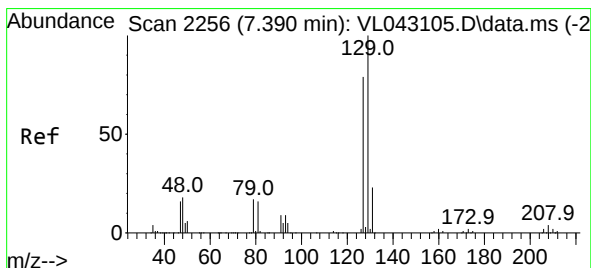
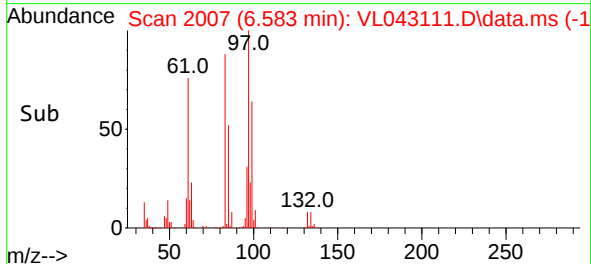
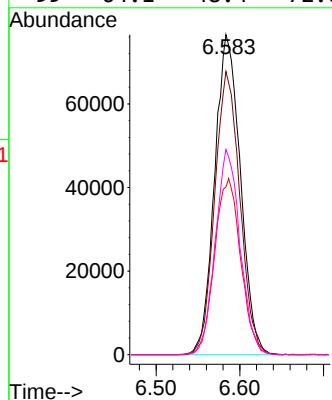
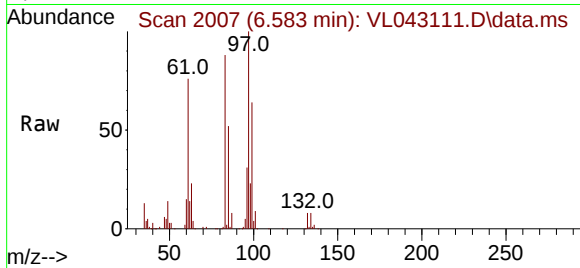




#47
 1,1,2-Trichloroethane
 Concen: 13.638 ppbv
 RT: 6.583 min Scan# 2007
 Delta R.T. -0.000 min
 Lab File: VL043111.D
 Acq: 14 Oct 2025 14:18

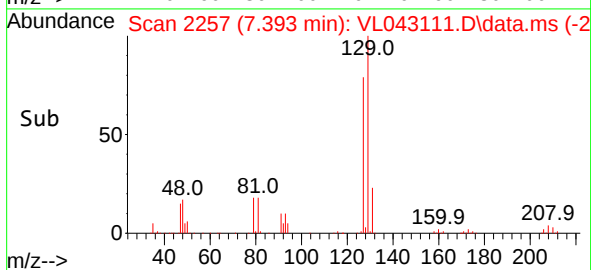
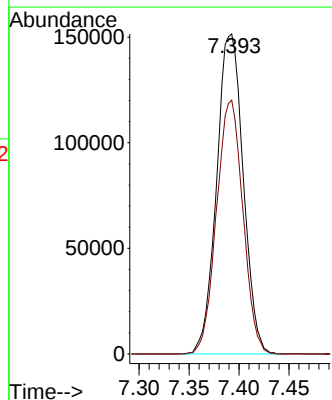
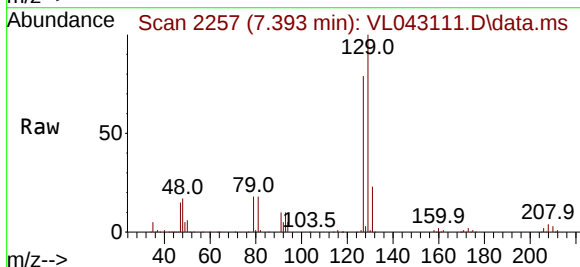
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

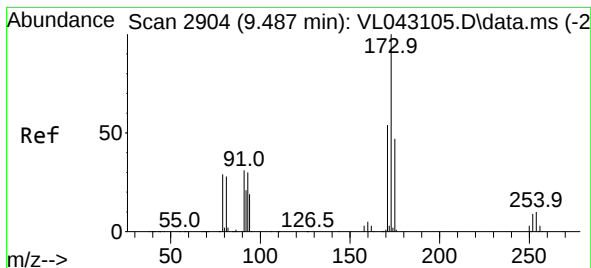
Tgt Ion: 97 Resp: 163113
 Ion Ratio Lower Upper
 97 100
 83 88.4 64.6 96.8
 85 52.4 40.6 60.8
 99 64.1 48.4 72.6



#48
 Dibromochloromethane
 Concen: 14.051 ppbv
 RT: 7.393 min Scan# 2257
 Delta R.T. 0.003 min
 Lab File: VL043111.D
 Acq: 14 Oct 2025 14:18

Tgt Ion: 129 Resp: 280993
 Ion Ratio Lower Upper
 129 100
 127 78.6 39.3 117.9





#49

Bromoform

Concen: 14.184 ppbv

RT: 9.487 min Scan# 2904

Delta R.T. -0.000 min

Lab File: VL043111.D

Acq: 14 Oct 2025 14:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

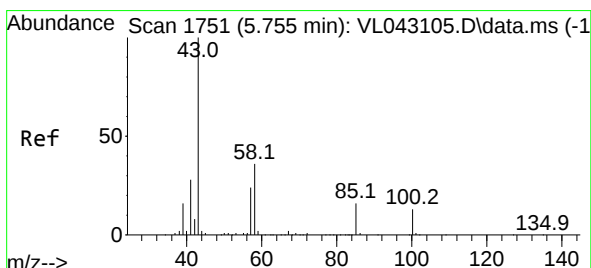
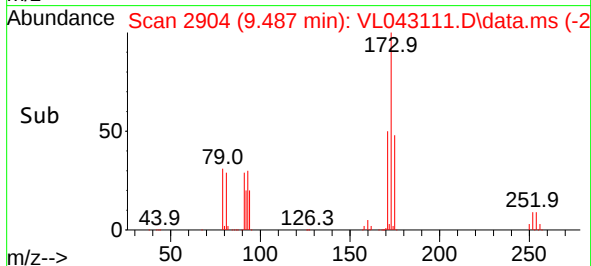
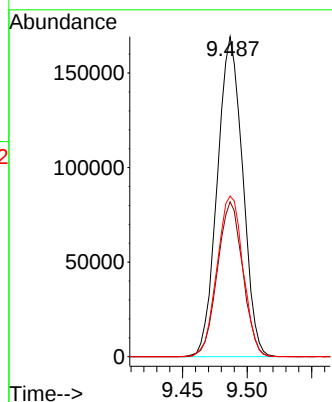
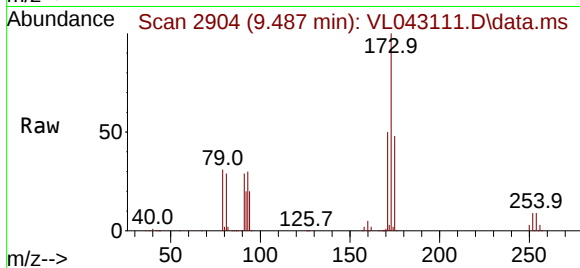
Tgt Ion:173 Resp: 230561

Ion Ratio Lower Upper

173 100

175 48.5 38.8 58.2

171 51.7 41.7 62.5



#50

4-Methyl-2-Pentanone

Concen: 13.396 ppbv

RT: 5.748 min Scan# 1749

Delta R.T. -0.007 min

Lab File: VL043111.D

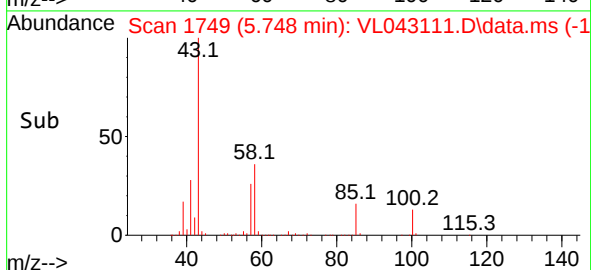
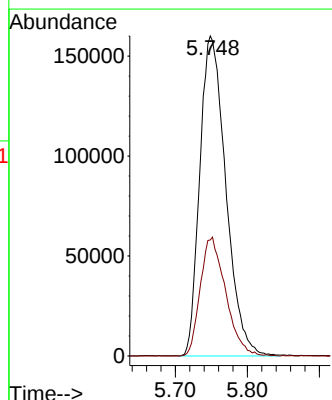
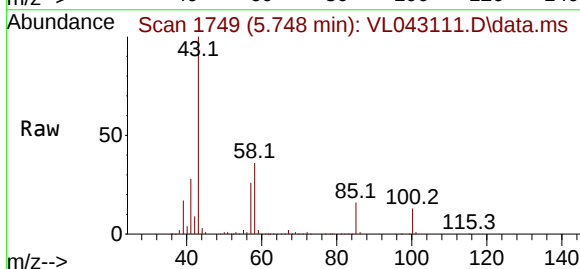
Acq: 14 Oct 2025 14:18

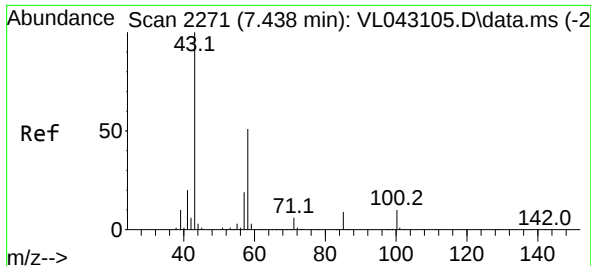
Tgt Ion: 43 Resp: 401849

Ion Ratio Lower Upper

43 100

58 36.3 29.1 43.7

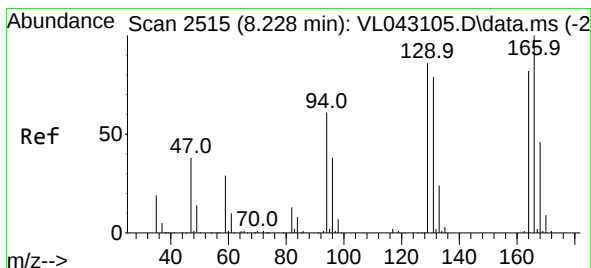
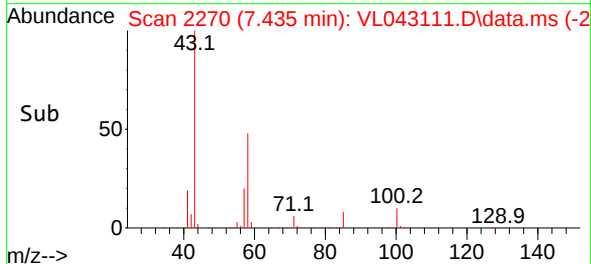
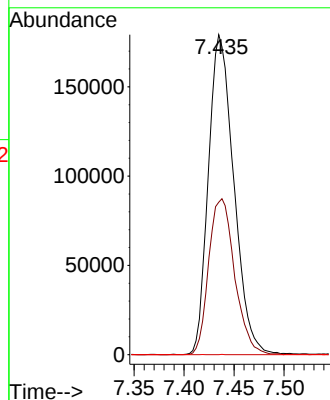
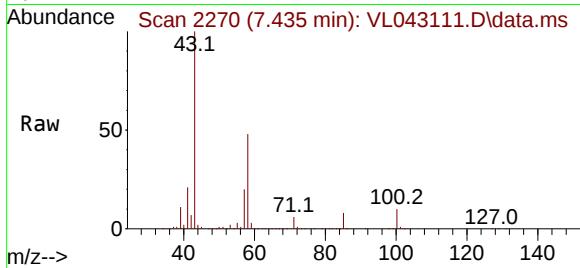




#51
2-Hexanone
Concen: 14.176 ppbv
RT: 7.435 min Scan# 21
Delta R.T. -0.004 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

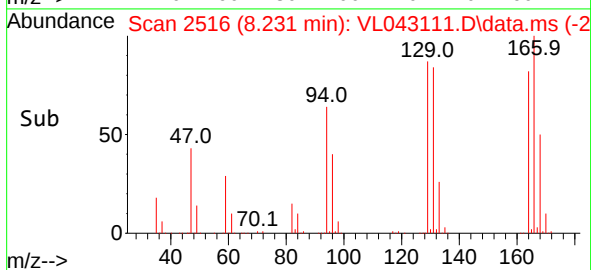
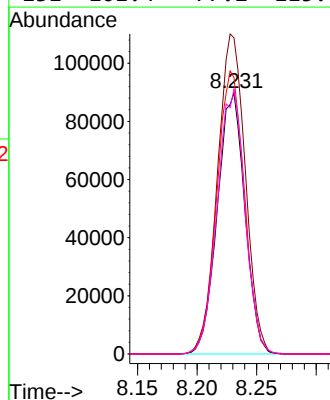
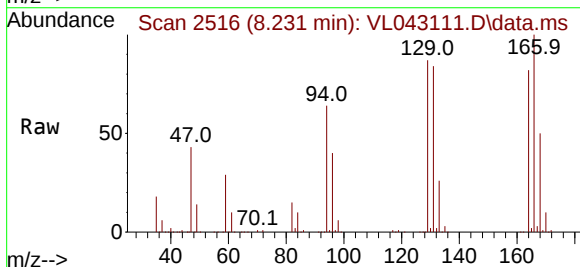
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

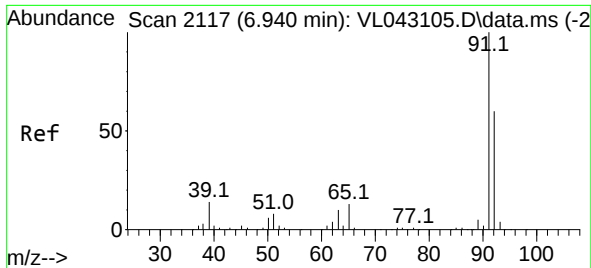
Tgt Ion: 43 Resp: 317288
Ion Ratio Lower Upper
43 100
58 49.8 40.4 60.6
98 0.0 0.1 0.1#



#52
Tetrachloroethene
Concen: 13.177 ppbv
RT: 8.231 min Scan# 2516
Delta R.T. 0.003 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion: 164 Resp: 143954
Ion Ratio Lower Upper
164 100
166 121.3 97.6 146.4
129 106.0 84.5 126.7
131 101.4 77.2 115.8

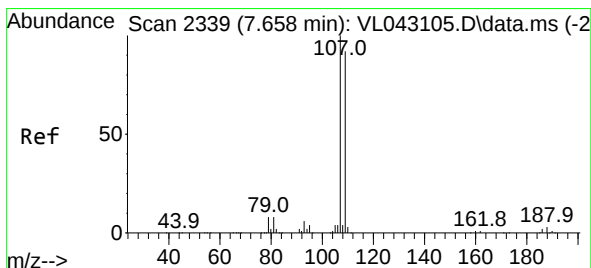
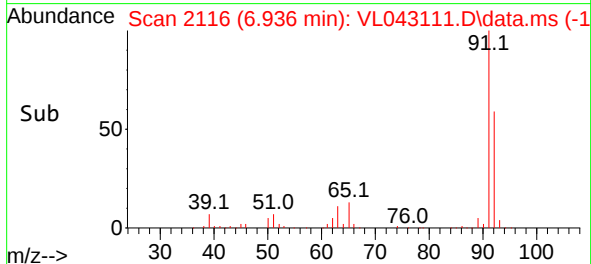
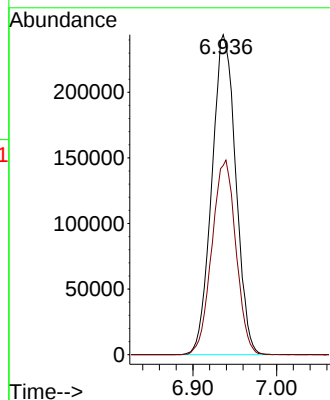
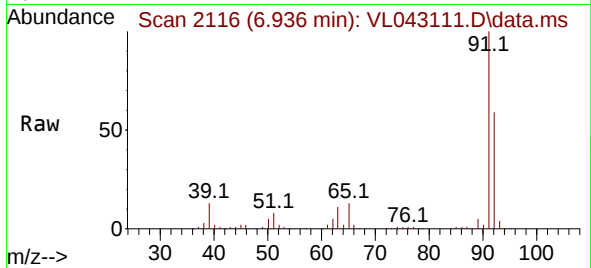




#53
Toluene
Concen: 13.457 ppbv
RT: 6.936 min Scan# 2117
Delta R.T. -0.004 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

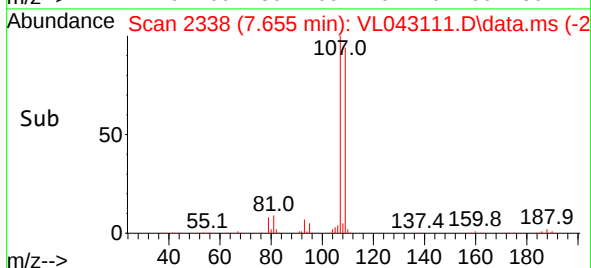
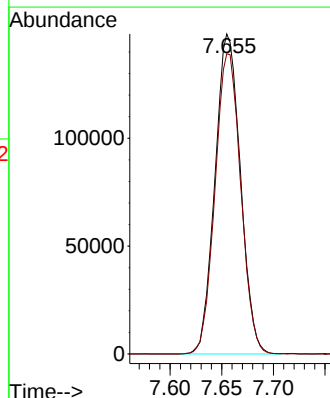
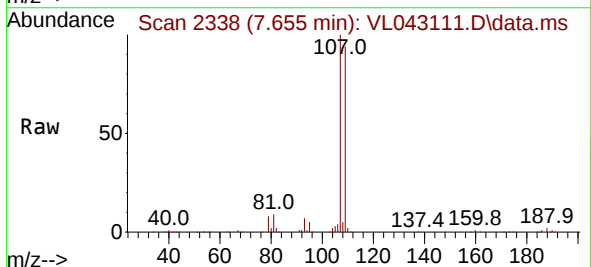
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

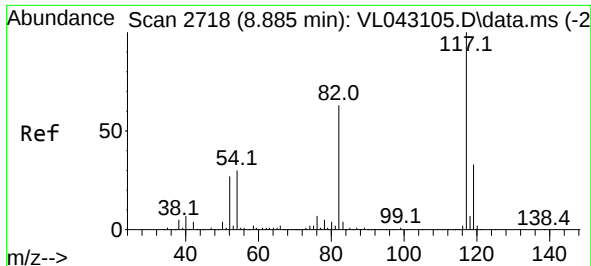
Tgt Ion: 91 Resp: 483870
Ion Ratio Lower Upper
91 100
92 61.1 48.8 73.2



#54
1,2-Dibromoethane
Concen: 13.461 ppbv
RT: 7.655 min Scan# 2338
Delta R.T. -0.004 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion: 107 Resp: 254024
Ion Ratio Lower Upper
107 100
109 93.8 73.4 110.2

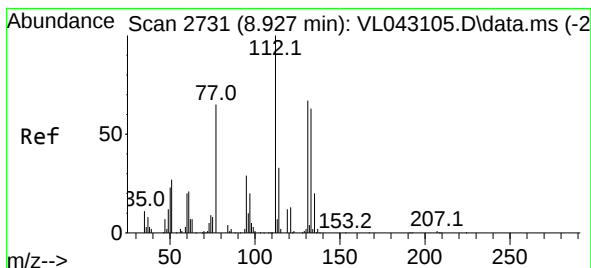
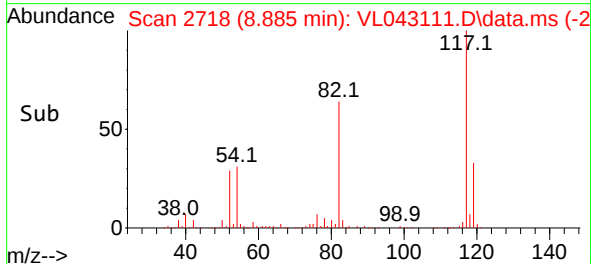
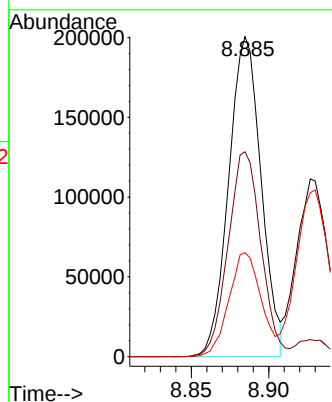
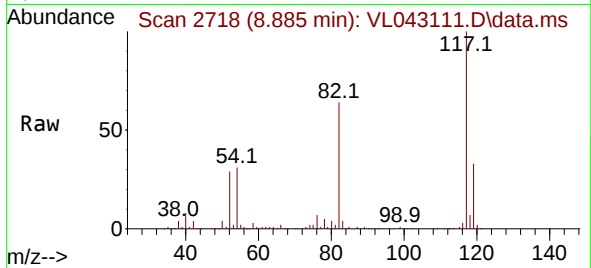




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min Scan# 2718
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

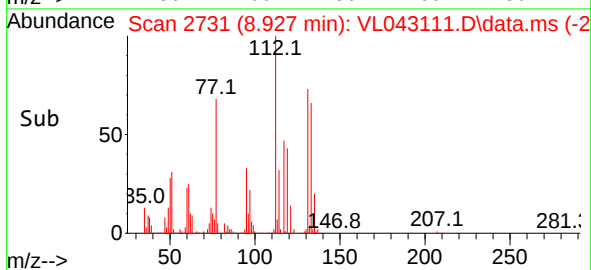
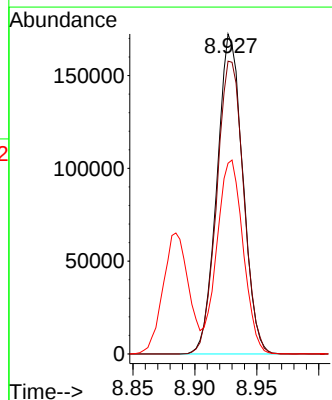
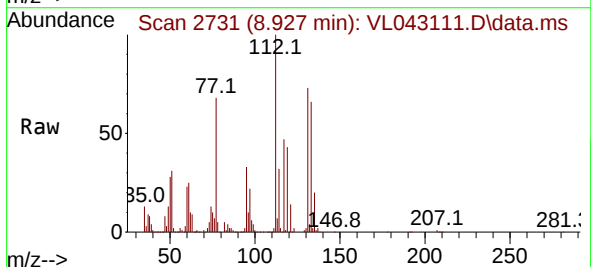
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

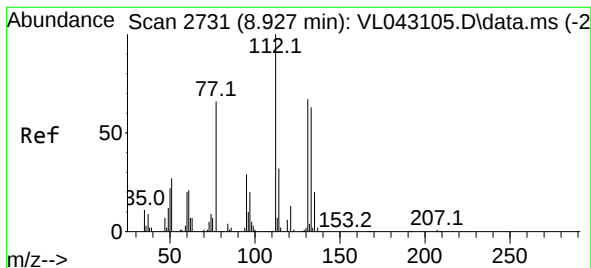
Tgt Ion:117 Resp: 292542
Ion Ratio Lower Upper
117 100
82 70.2 53.8 80.8
119 33.1 25.4 38.0



#56
1,1,1,2-Tetrachloroethane
Concen: 13.573 ppbv
RT: 8.927 min Scan# 2731
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion:131 Resp: 250303
Ion Ratio Lower Upper
131 100
133 95.1 75.7 113.5
119 61.9 50.6 76.0





#57

Chlorobenzene

Concen: 12.983 ppbv

RT: 8.927 min Scan# 21

Delta R.T. -0.000 min

Lab File: VL043111.D

Acq: 14 Oct 2025 14:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

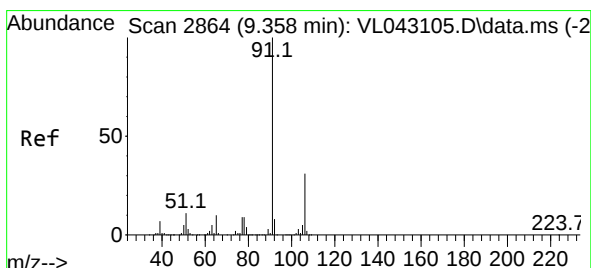
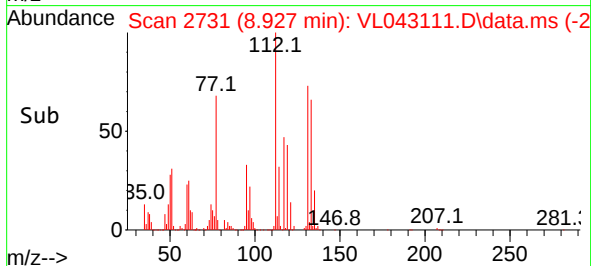
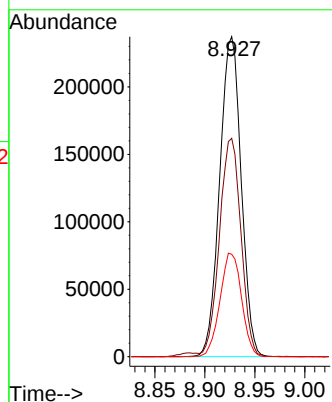
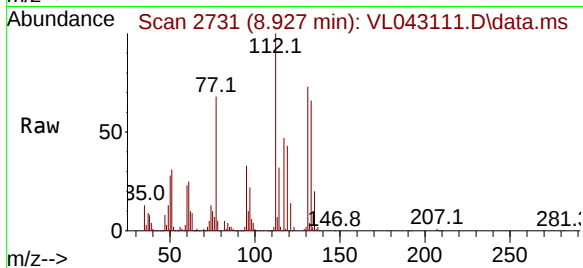
Tgt Ion:112 Resp: 355301

Ion Ratio Lower Upper

112 100

77 68.2 53.3 79.9

114 32.0 29.3 35.8



#58

Ethyl Benzene

Concen: 13.375 ppbv

RT: 9.357 min Scan# 2864

Delta R.T. -0.000 min

Lab File: VL043111.D

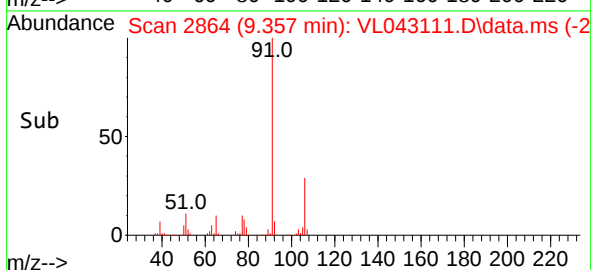
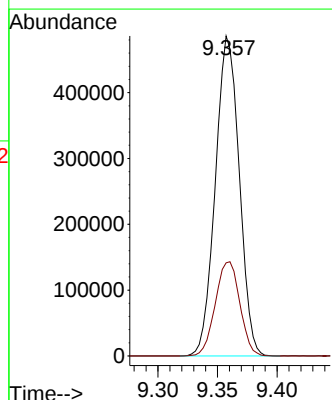
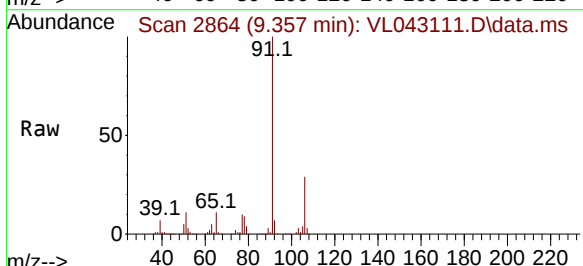
Acq: 14 Oct 2025 14:18

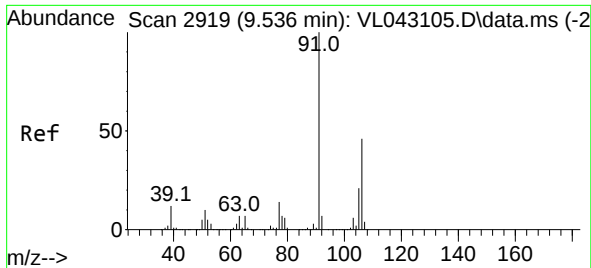
Tgt Ion: 91 Resp: 676918

Ion Ratio Lower Upper

91 100

106 29.1 24.8 37.2

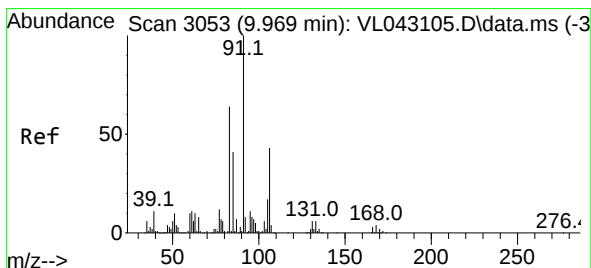
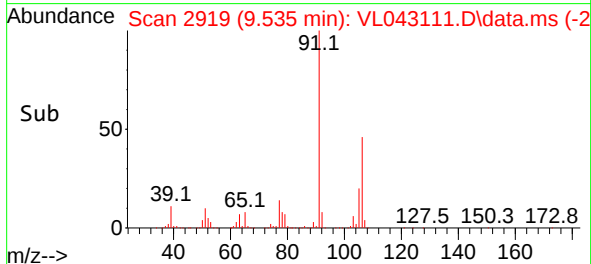
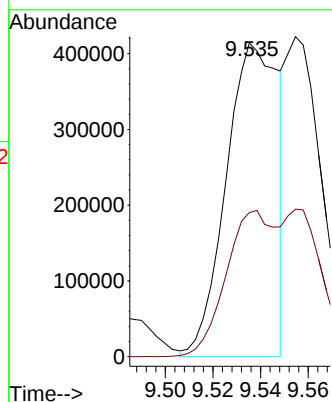
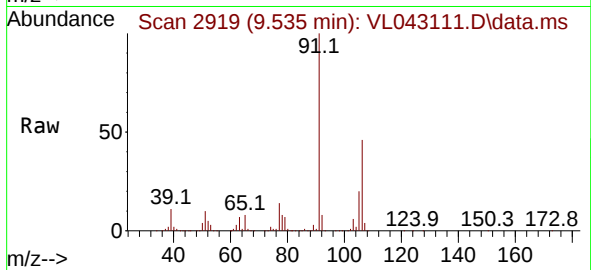




#59
m/p-Xylene
Concen: 15.622 ppbv
RT: 9.535 min Scan# 2919
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

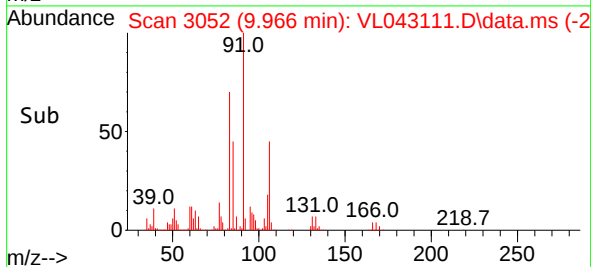
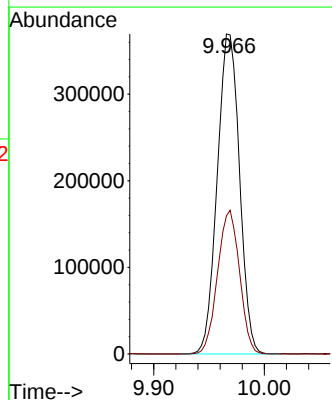
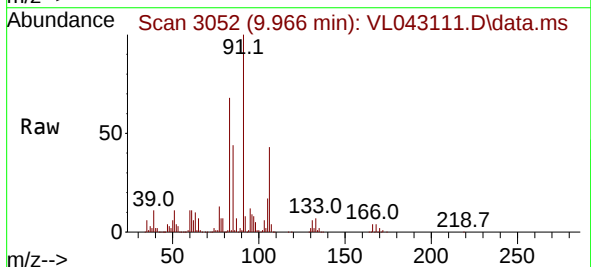
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

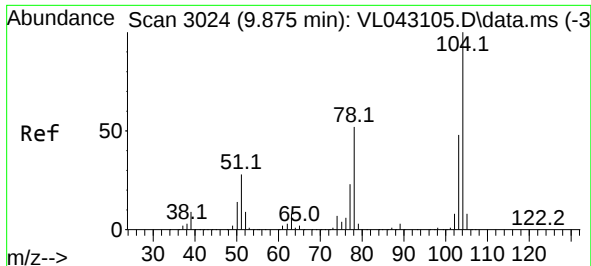
Tgt Ion: 91 Resp: 626074
Ion Ratio Lower Upper
91 100
106 0.0 38.0 57.0#



#60
o-Xylene
Concen: 13.063 ppbv
RT: 9.966 min Scan# 3052
Delta R.T. -0.004 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion: 91 Resp: 516660
Ion Ratio Lower Upper
91 100
106 44.3 21.9 65.8

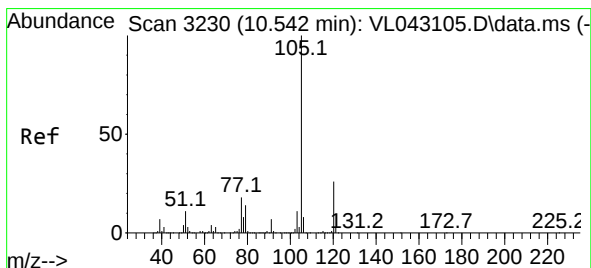
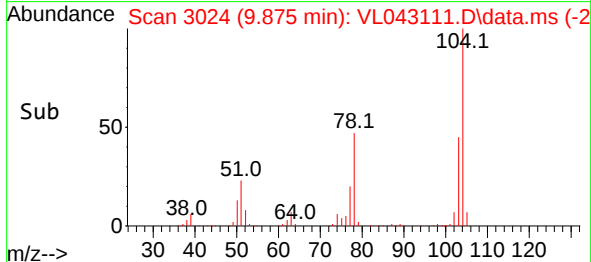
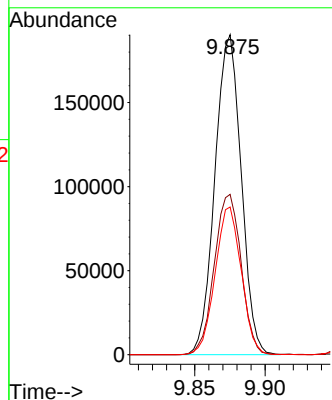
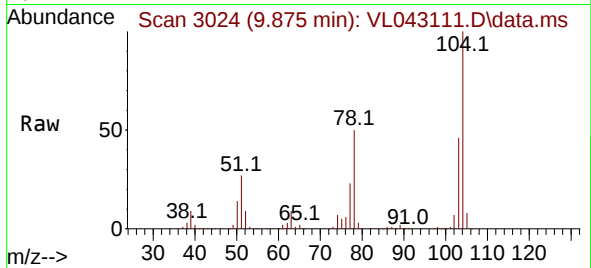




#61
Styrene
Concen: 13.867 ppbv
RT: 9.875 min Scan# 3024
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

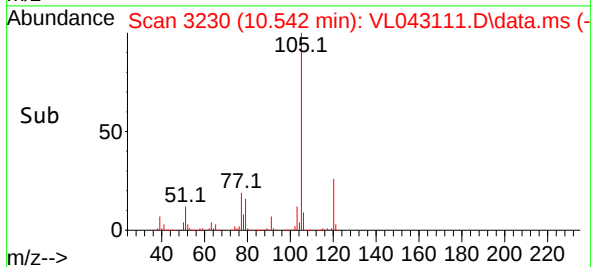
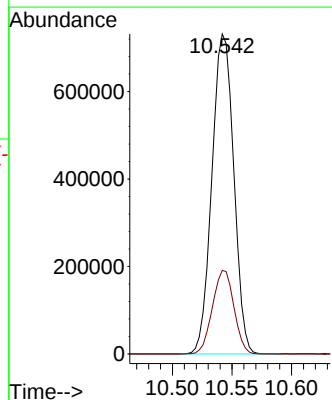
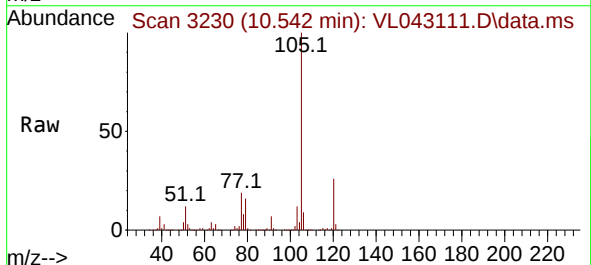
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

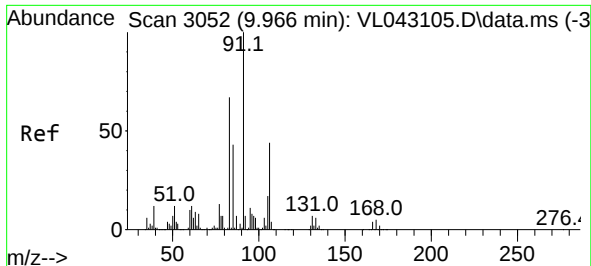
Tgt Ion:104 Resp: 247585
Ion Ratio Lower Upper
104 100
78 51.2 40.2 60.2
103 46.0 36.9 55.3



#62
Isopropylbenzene
Concen: 13.034 ppbv
RT: 10.542 min Scan# 3230
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion:105 Resp: 931508
Ion Ratio Lower Upper
105 100
120 25.7 20.2 30.4

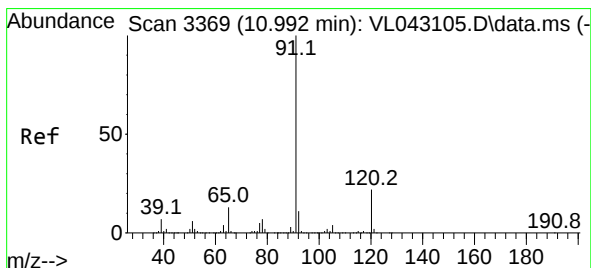
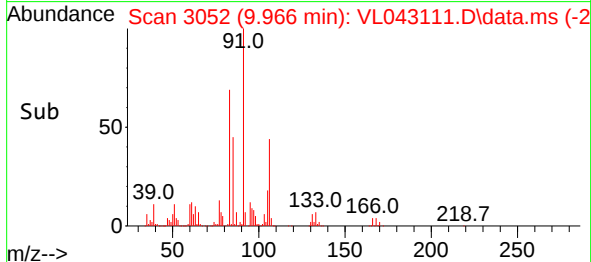
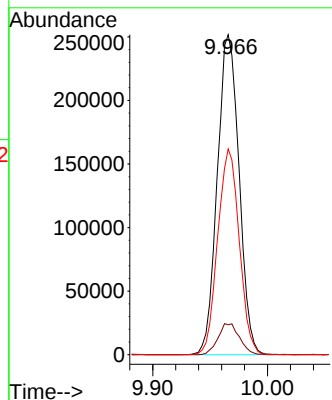
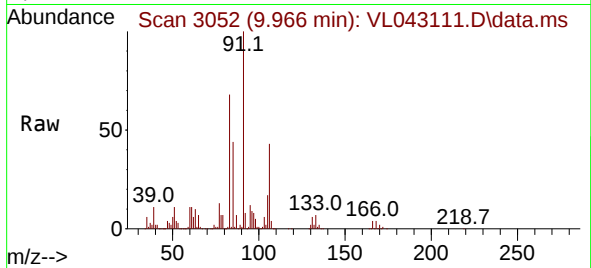




#63
1,1,2,2-Tetrachloroethane
Concen: 12.515 ppbv
RT: 9.966 min Scan# 3052
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

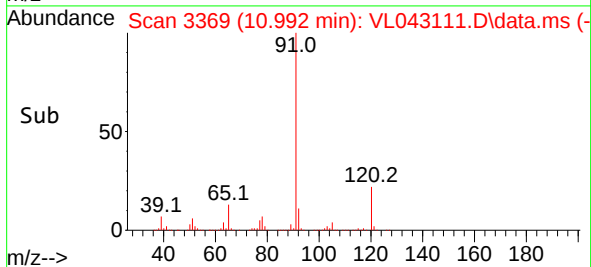
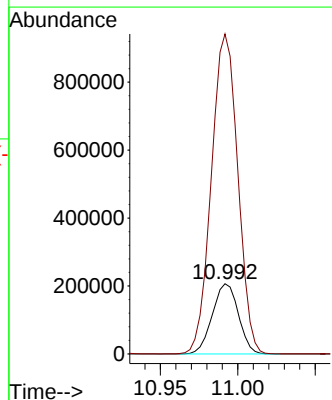
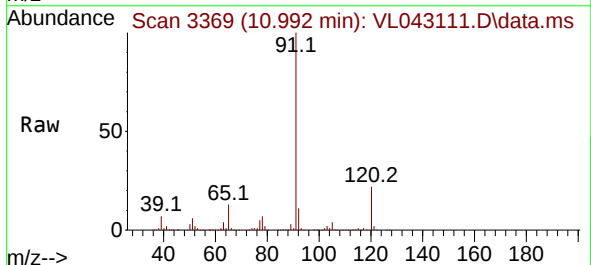
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

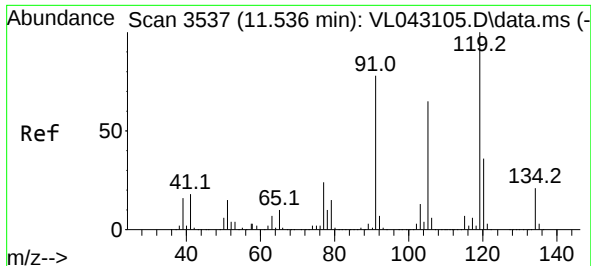
Tgt Ion: 83 Resp: 331423
Ion Ratio Lower Upper
83 100
131 9.6 4.8 14.3
85 63.6 32.0 96.0



#64
n-propylbenzene
Concen: 12.775 ppbv
RT: 10.992 min Scan# 3369
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion: 120 Resp: 241719
Ion Ratio Lower Upper
120 100
91 463.5 361.6 542.4

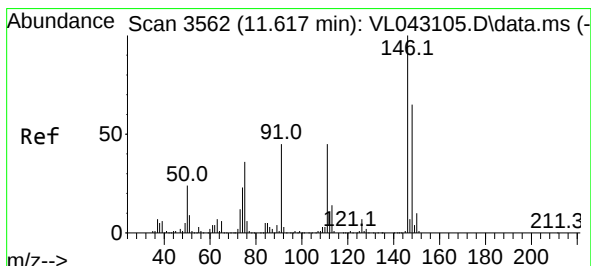
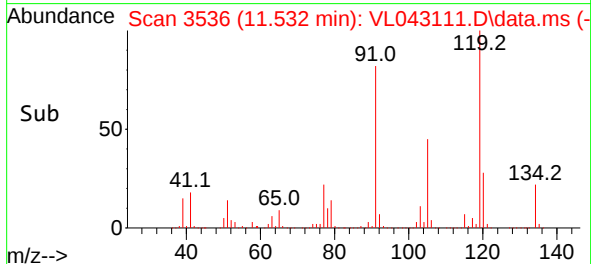
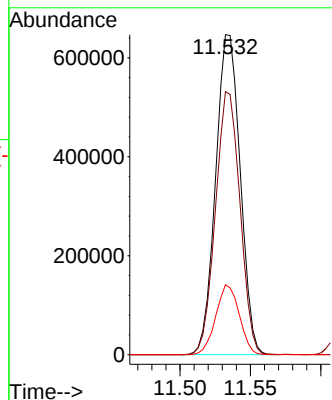
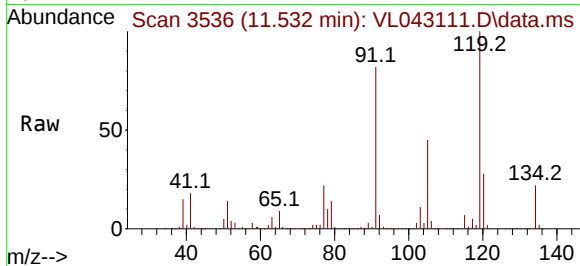




#65
tert-Butylbenzene
Concen: 12.490 ppbv
RT: 11.532 min Scan# 3536
Delta R.T. -0.004 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

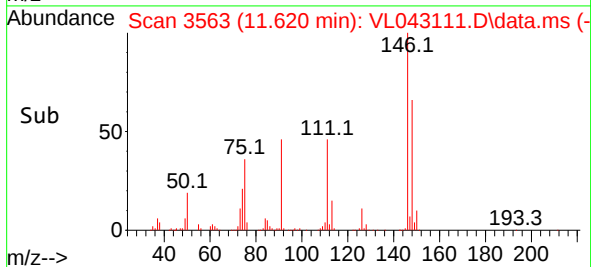
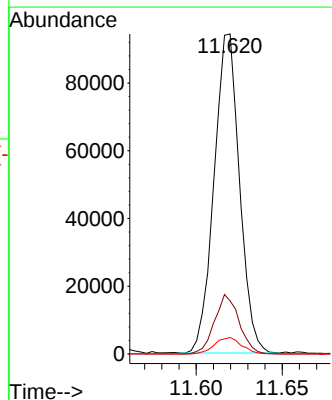
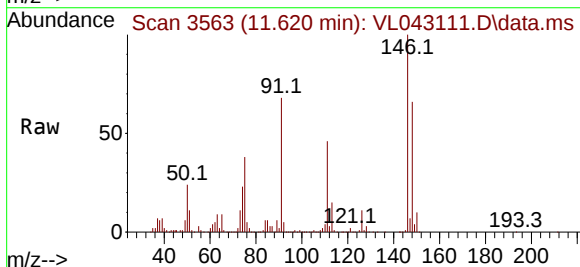
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

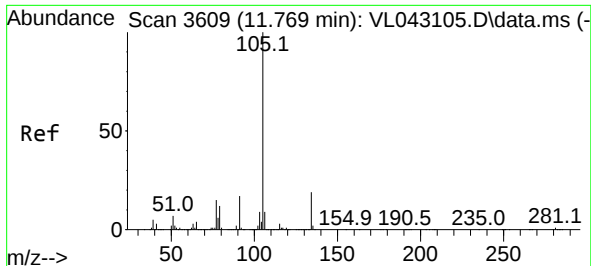
Tgt Ion:119 Resp: 788234
Ion Ratio Lower Upper
119 100
91 81.8 63.4 95.0
134 20.8 17.3 25.9



#66
Benzyl Chloride
Concen: 13.778 ppbv
RT: 11.620 min Scan# 3563
Delta R.T. 0.003 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion: 91 Resp: 97114
Ion Ratio Lower Upper
91 100
126 18.0 14.6 22.0
128 5.4 4.6 6.8

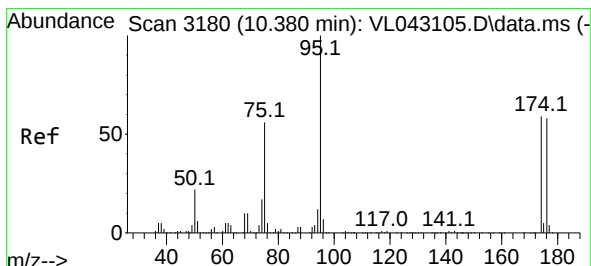
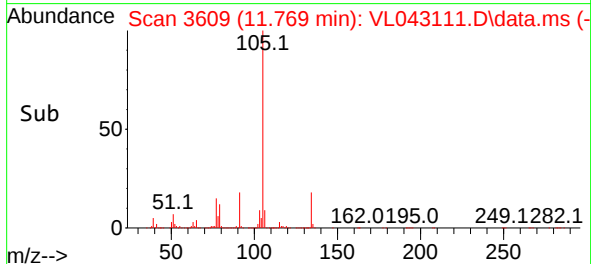
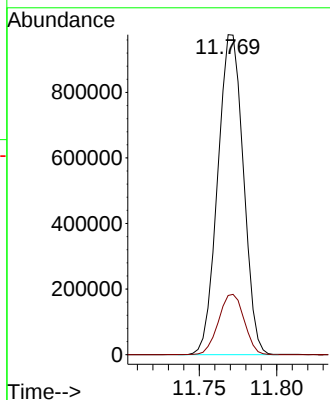
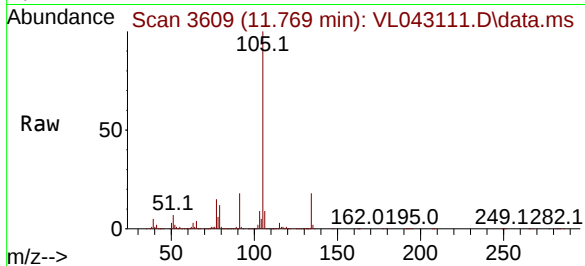




#67
 sec-Butylbenzene
 Concen: 12.566 ppbv
 RT: 11.769 min Scan# 3609
 Delta R.T. -0.000 min
 Lab File: VL043111.D
 Acq: 14 Oct 2025 14:18

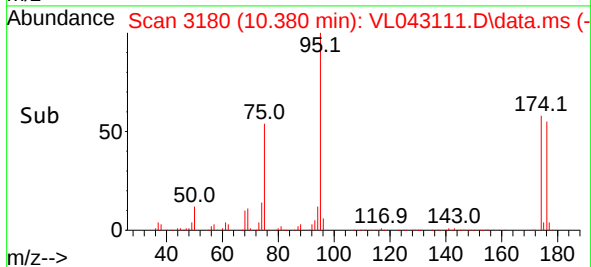
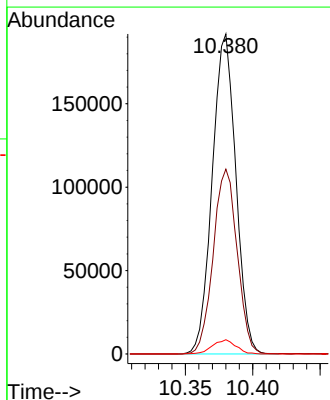
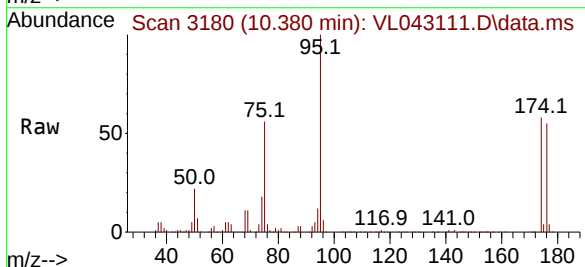
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC015

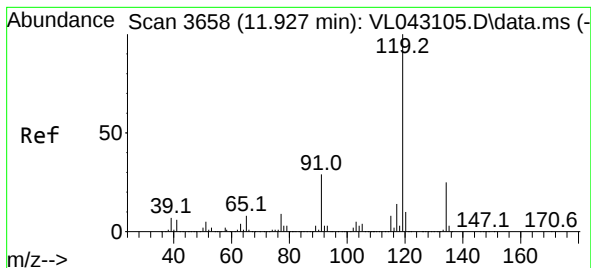
Tgt Ion:105 Resp: 1125489
 Ion Ratio Lower Upper
 105 100
 134 18.9 15.5 23.3



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.270 ppbv
 RT: 10.380 min Scan# 3180
 Delta R.T. -0.000 min
 Lab File: VL043111.D
 Acq: 14 Oct 2025 14:18

Tgt Ion: 95 Resp: 233522
 Ion Ratio Lower Upper
 95 100
 174 58.7 48.3 72.5
 175 4.4 3.8 5.8





#69

p-Isopropyltoluene

Concen: 12.602 ppbv

RT: 11.930 min Scan# 3

Delta R.T. 0.003 min

Lab File: VL043111.D

Acq: 14 Oct 2025 14:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

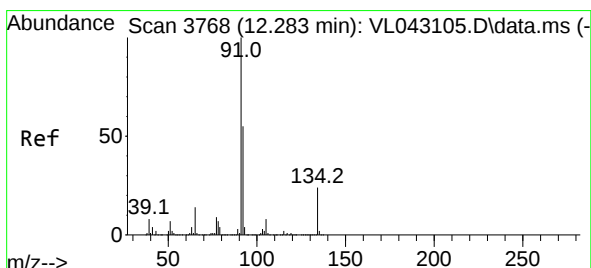
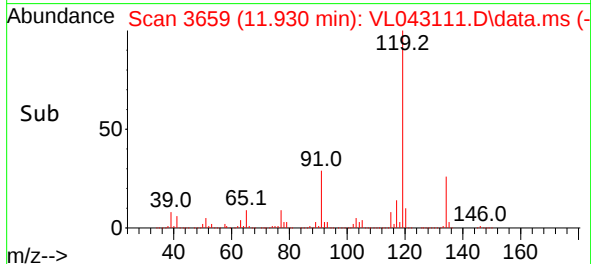
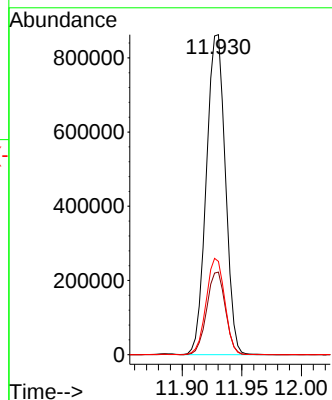
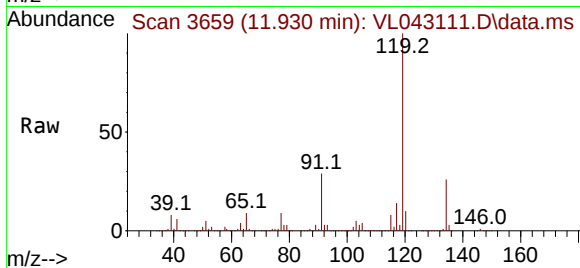
Tgt Ion:119 Resp: 959206

Ion Ratio Lower Upper

119 100

134 25.5 20.3 30.5

91 29.5 22.6 33.8



#70

n-Butylbenzene

Concen: 12.979 ppbv

RT: 12.283 min Scan# 3768

Delta R.T. -0.000 min

Lab File: VL043111.D

Acq: 14 Oct 2025 14:18

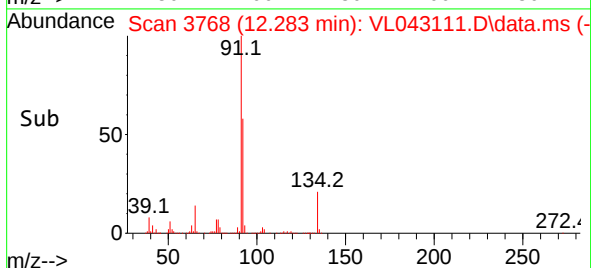
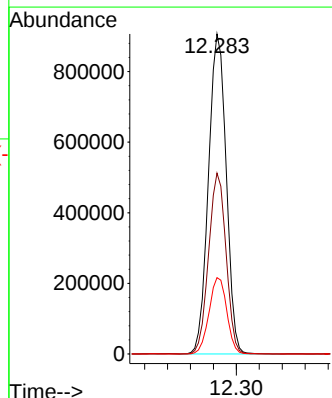
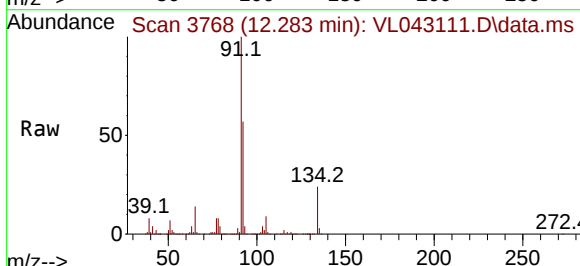
Tgt Ion: 91 Resp: 973466

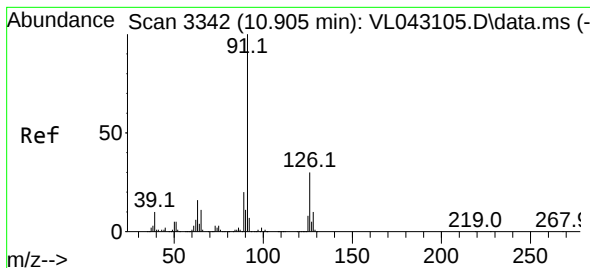
Ion Ratio Lower Upper

91 100

92 55.6 44.5 66.7

134 23.8 19.3 28.9

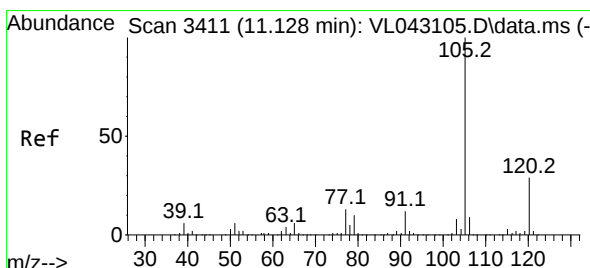
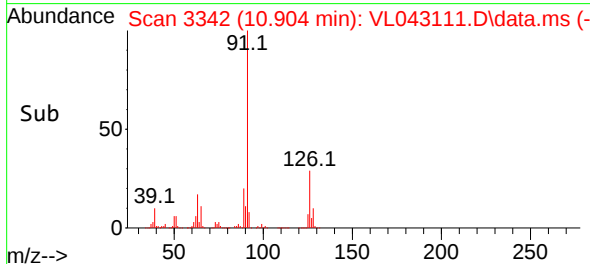
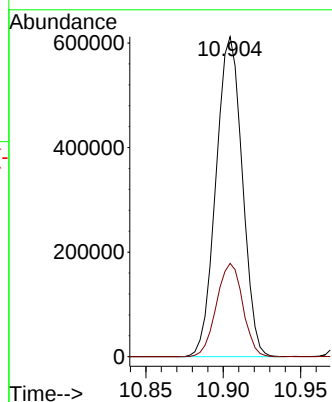
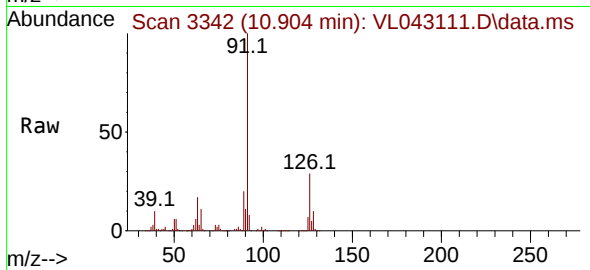




#71
2-Chlorotoluene
Concen: 13.242 ppbv
RT: 10.904 min Scan# 311
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

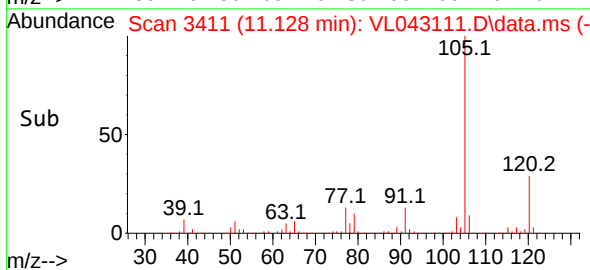
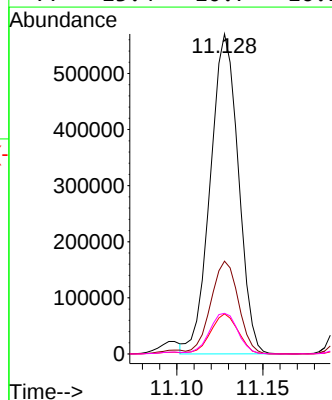
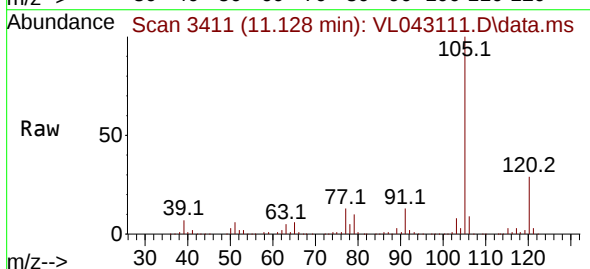
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

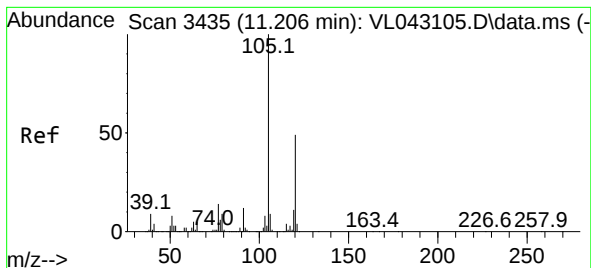
Tgt Ion: 91 Resp: 721827
Ion Ratio Lower Upper
91 100
126 29.1 12.0 48.0



#72
4-Ethyltoluene
Concen: 13.310 ppbv
RT: 11.128 min Scan# 3411
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion: 105 Resp: 647315
Ion Ratio Lower Upper
105 100
120 29.6 24.2 36.4
91 12.7 10.0 15.0
77 13.4 10.7 16.1





#73

1,3,5-Trimethylbenzene

Concen: 13.314 ppbv

RT: 11.205 min Scan# 3435

Delta R.T. -0.000 min

Lab File: VL043111.D

Acq: 14 Oct 2025 14:18

Instrument :

MSVOA_L

ClientSampleId :

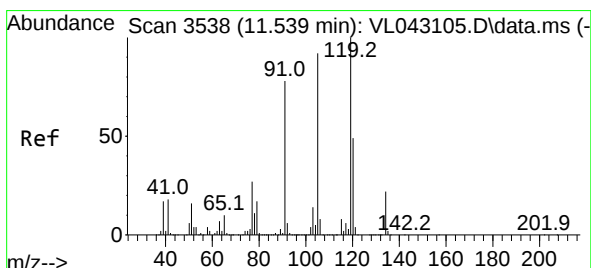
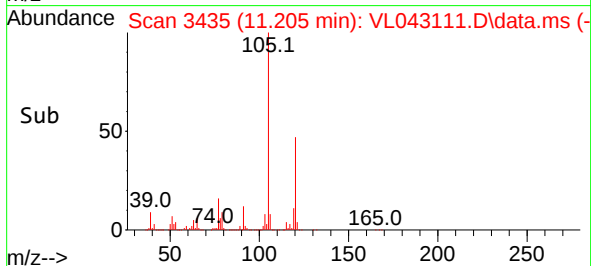
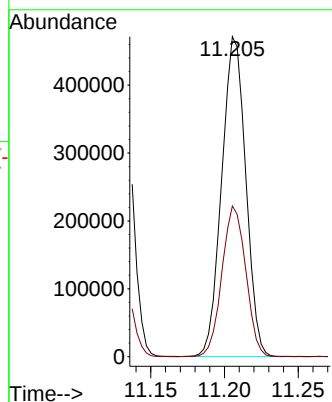
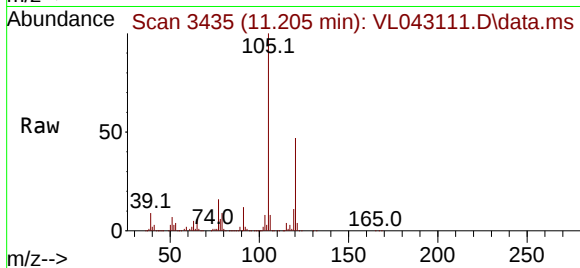
VSTDIC015

Tgt Ion:105 Resp: 534006

Ion Ratio Lower Upper

105 100

120 47.1 39.0 58.6



#74

1,2,4-Trimethylbenzene

Concen: 12.498 ppbv

RT: 11.542 min Scan# 3539

Delta R.T. 0.003 min

Lab File: VL043111.D

Acq: 14 Oct 2025 14:18

Tgt Ion:105 Resp: 560932

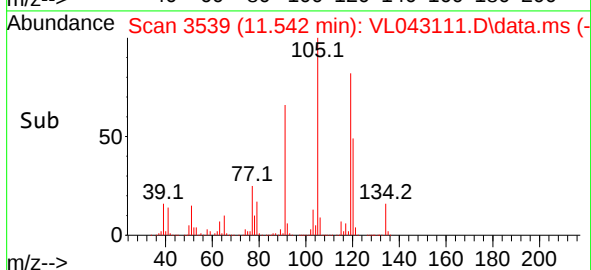
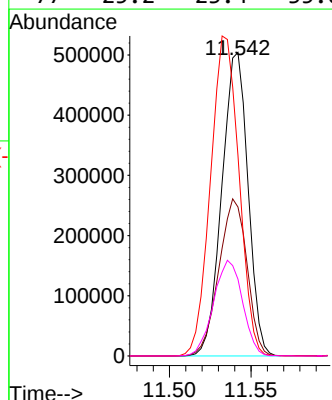
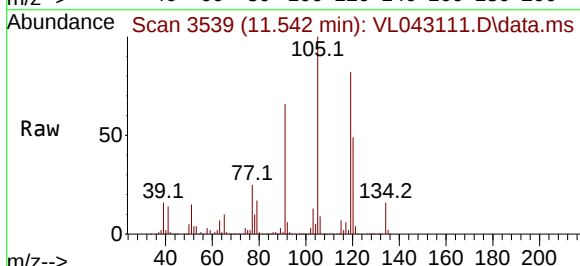
Ion Ratio Lower Upper

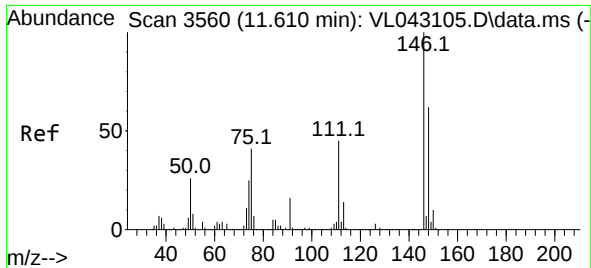
105 100

120 49.0 42.8 64.2

91 66.0 68.3 102.5#

77 25.2 23.4 35.0

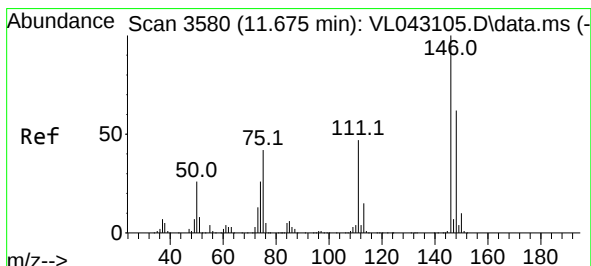
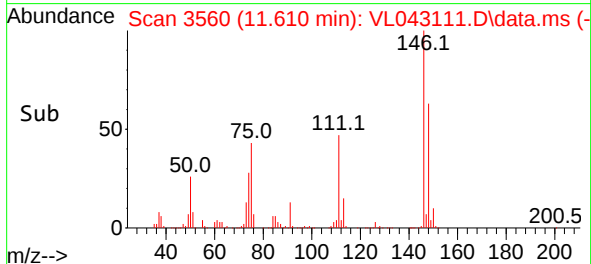
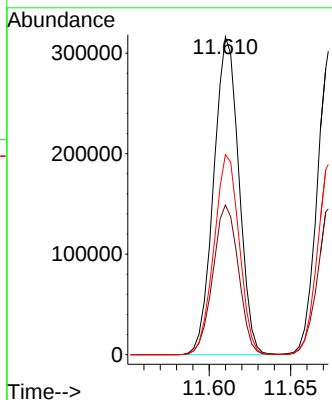
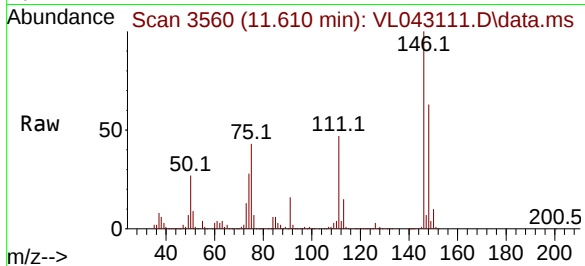




#75
1,3-Dichlorobenzene
Concen: 13.031 ppbv
RT: 11.610 min Scan# 3560
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

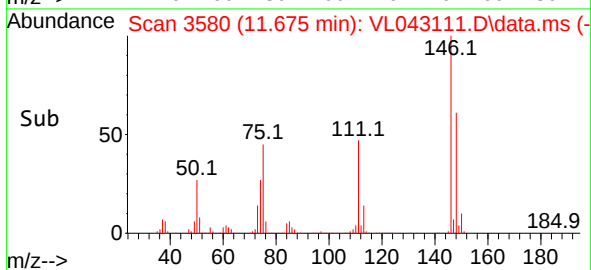
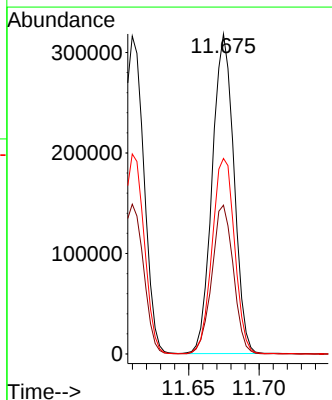
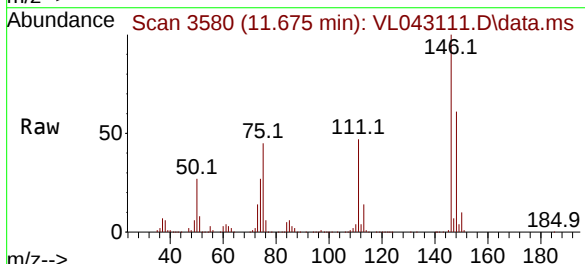
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

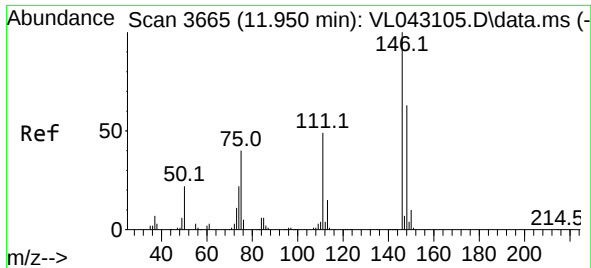
Tgt Ion:146 Resp: 339203
Ion Ratio Lower Upper
146 100
111 47.7 23.3 69.9
148 63.0 31.6 95.0



#76
1,4-Dichlorobenzene
Concen: 13.027 ppbv
RT: 11.675 min Scan# 3580
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion:146 Resp: 341936
Ion Ratio Lower Upper
146 100
111 46.1 22.4 67.0
148 63.4 31.6 94.7

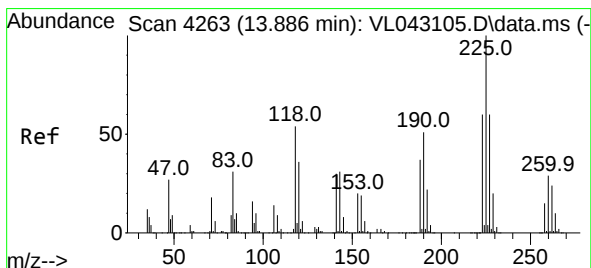
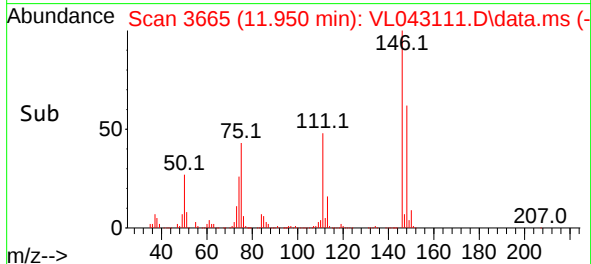
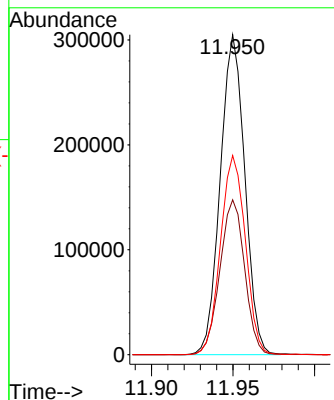
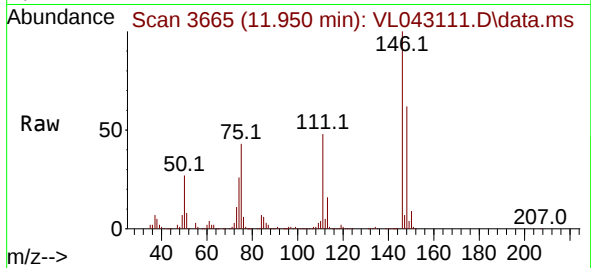




#77
 1,2-Dichlorobenzene
 Concen: 12.660 ppbv
 RT: 11.950 min Scan# 3665
 Delta R.T. -0.000 min
 Lab File: VL043111.D
 Acq: 14 Oct 2025 14:18

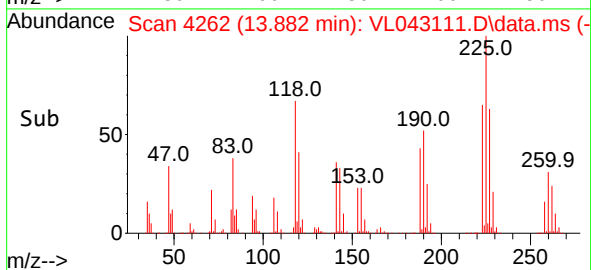
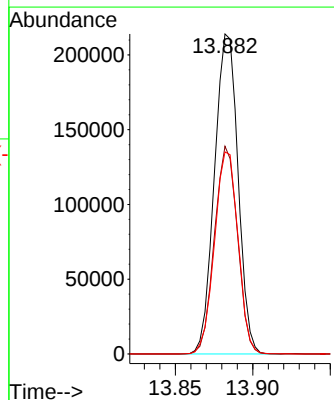
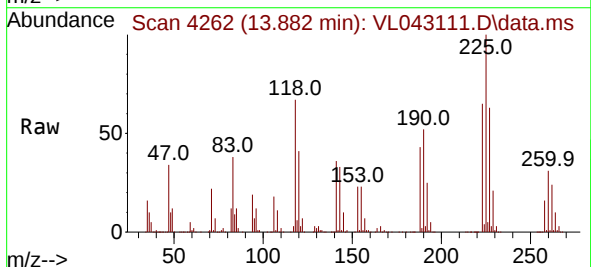
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 ClientSampleId :
 VSTDIC015

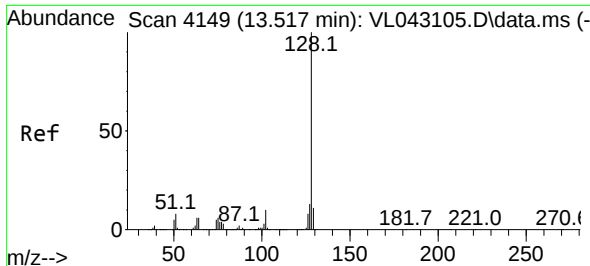
Tgt Ion:146 Resp: 318800
 Ion Ratio Lower Upper
 146 100
 111 48.8 24.0 72.0
 148 63.2 31.1 93.3



#78
 Hexachloro-1,3-Butadiene
 Concen: 11.606 ppbv
 RT: 13.882 min Scan# 4262
 Delta R.T. -0.004 min
 Lab File: VL043111.D
 Acq: 14 Oct 2025 14:18

Tgt Ion:225 Resp: 226294
 Ion Ratio Lower Upper
 225 100
 223 63.5 50.2 75.4
 227 63.1 49.6 74.4

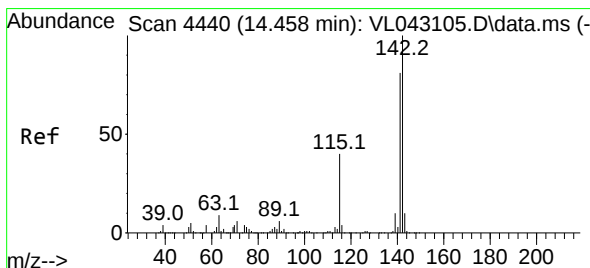
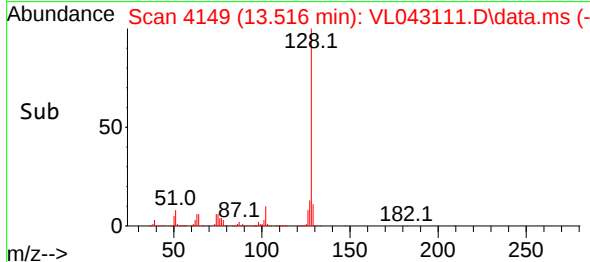
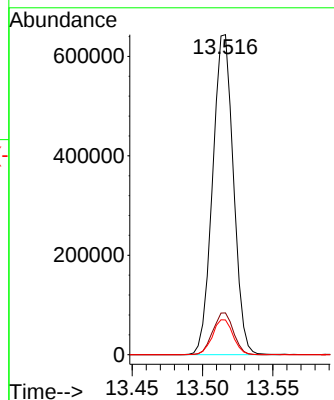
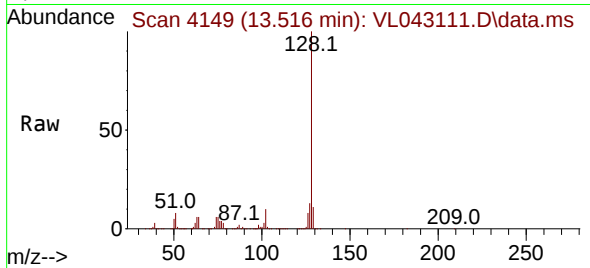




#79
Naphthalene
Concen: 14.260 ppbv
RT: 13.516 min Scan# 4149
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

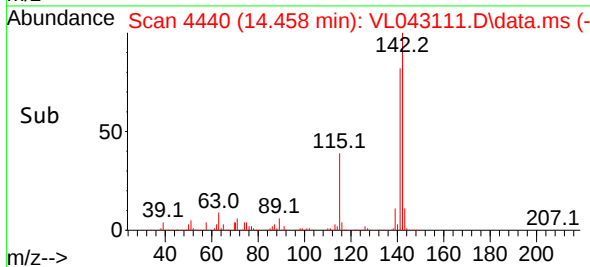
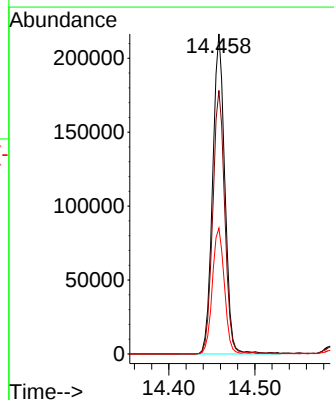
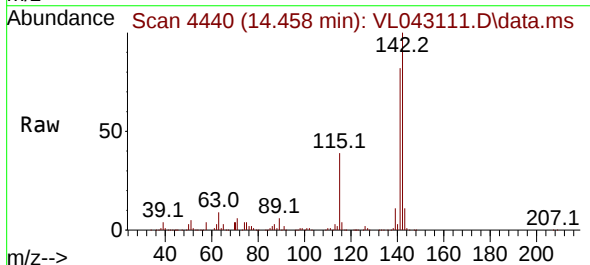
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

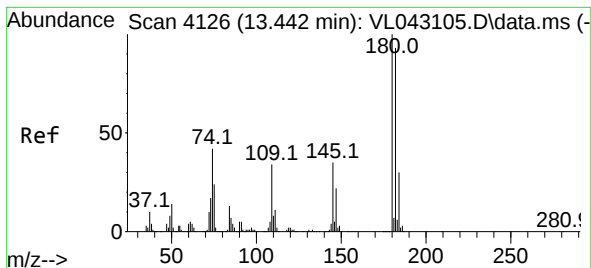
Tgt Ion:128 Resp: 661098
Ion Ratio Lower Upper
128 100
127 13.1 10.5 15.7
129 10.8 9.1 13.7



#80
Naphthalene,2-methyl-
Concen: 17.384 ppbv
RT: 14.458 min Scan# 4440
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion:142 Resp: 212784
Ion Ratio Lower Upper
142 100
141 81.9 64.6 97.0
115 39.4 30.2 45.4





#81

1,2,4-Trichlorobenzene

Concen: 13.698 ppbv

RT: 13.442 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL043111.D

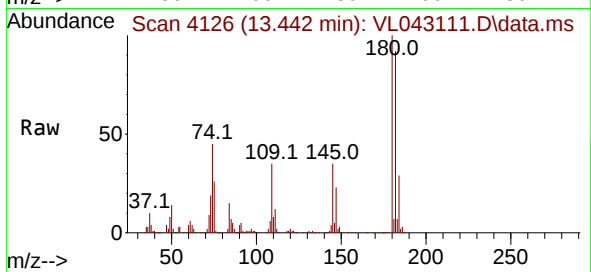
Acq: 14 Oct 2025 14:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015



Tgt Ion:180 Resp: 266712

Ion Ratio Lower Upper

180 100

182 94.2 75.5 113.3

184 30.0 23.9 35.9

