

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100225\
 Data File : VL043038.D
 Acq On : 02 Oct 2025 13:41
 Operator : SY/MD
 Sample : VSTDICC015
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC015

Quant Time: Oct 03 08:06:14 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Oct 03 07:59:23 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.774	49	174781	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.939	114	521075	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.862	117	446323	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.361	95	331763	10.318	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.200%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.493	85	417041	14.157	ppbv	100
3) Chlorodifluoromethane	1.470	51	396783	13.924	ppbv	100
4) Chloromethane	1.528	50	152053	14.131	ppbv	100
5) Vinyl Chloride	1.573	62	143710	14.073	ppbv	98
6) Bromomethane	1.661	94	66123	14.410	ppbv	97
7) Chloroethane	1.700	64	58804	13.801	ppbv	97
8) Dichlorotetrafluoroethane	1.551	85	342721	14.198	ppbv	100
9) Propene	1.480	41	159689	13.898	ppbv	97
10) Heptane	4.956	43	465543	16.450	ppbv	99
11) Trichlorofluoromethane	1.871	101	430473	14.220	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.130	101	337263	14.145	ppbv	97
13) Ethanol	1.713	45	6726	14.884	ppbv	94
14) Bromoethene	1.774	108	123040	14.394	ppbv	99
15) Acetone	1.826	43	302724	12.370	ppbv	100
16) 1,3-Butadiene	1.603	39	142349	14.108	ppbv	99
17) tert-Butyl alcohol	2.030	59	352251	13.608	ppbv	100
18) 1,1-Dichloroethene	2.027	96	150012	14.353	ppbv	98
19) Isopropyl Alcohol	1.878	45	154373	13.166	ppbv	98
20) Methylene Chloride	2.053	84	130116	12.181	ppbv	96
21) Allyl Chloride	2.088	41	223371	14.247	ppbv	99
22) trans-1,2-Dichloroethene	2.331	96	169834	14.313	ppbv	96
23) Vinyl Acetate	2.454	43	60446	11.634	ppbv #	96
24) 1,1-Dichloroethane	2.399	63	320234	14.237	ppbv	100
25) Ethyl Acetate	2.820	43	909988	14.822	ppbv	100
26) Hexane	2.813	57	370003	15.667	ppbv	98
27) Carbon Disulfide	2.143	76	404552	14.510	ppbv	99
28) Methyl tert-Butyl Ether	2.428	73	213111	14.420	ppbv	99
29) Chloroform	2.836	83	576414	14.316	ppbv	99
30) Cyclohexane	3.836	84	314603	16.212	ppbv	99
31) cis-1,2-Dichloroethene	2.710	61	363768	14.984	ppbv	99
32) 1,1,1-Trichloroethane	3.354	97	573214	14.648	ppbv	100
34) 2-Butanone	2.545	43	511000	14.453	ppbv	100
35) Carbon Tetrachloride	3.745	117	604277	14.095	ppbv	97
36) Benzene	3.638	78	748168	15.028	ppbv	98
37) 1,2-Dichloroethane	3.205	62	431043	14.619	ppbv	100
38) Trichloroethene	4.525	130	317772	15.319	ppbv	99
39) 1,2-Dichloropropane	4.289	63	269729	14.617	ppbv	98
40) 1,4-Dioxane	4.554	88	120237	15.173	ppbv #	95
41) Tetrahydrofuran	3.036	42	295205	16.155	ppbv	100
42) Bromodichloromethane	4.464	83	619944	14.890	ppbv	96
43) Methyl Methacrylate	4.852	69	279674	16.923	ppbv	99
44) 2,2,4-Trimethylpentane	4.616	57	1251093	15.661	ppbv	99
45) t-1,3-Dichloropropene	6.386	75	251549	16.802	ppbv	97

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

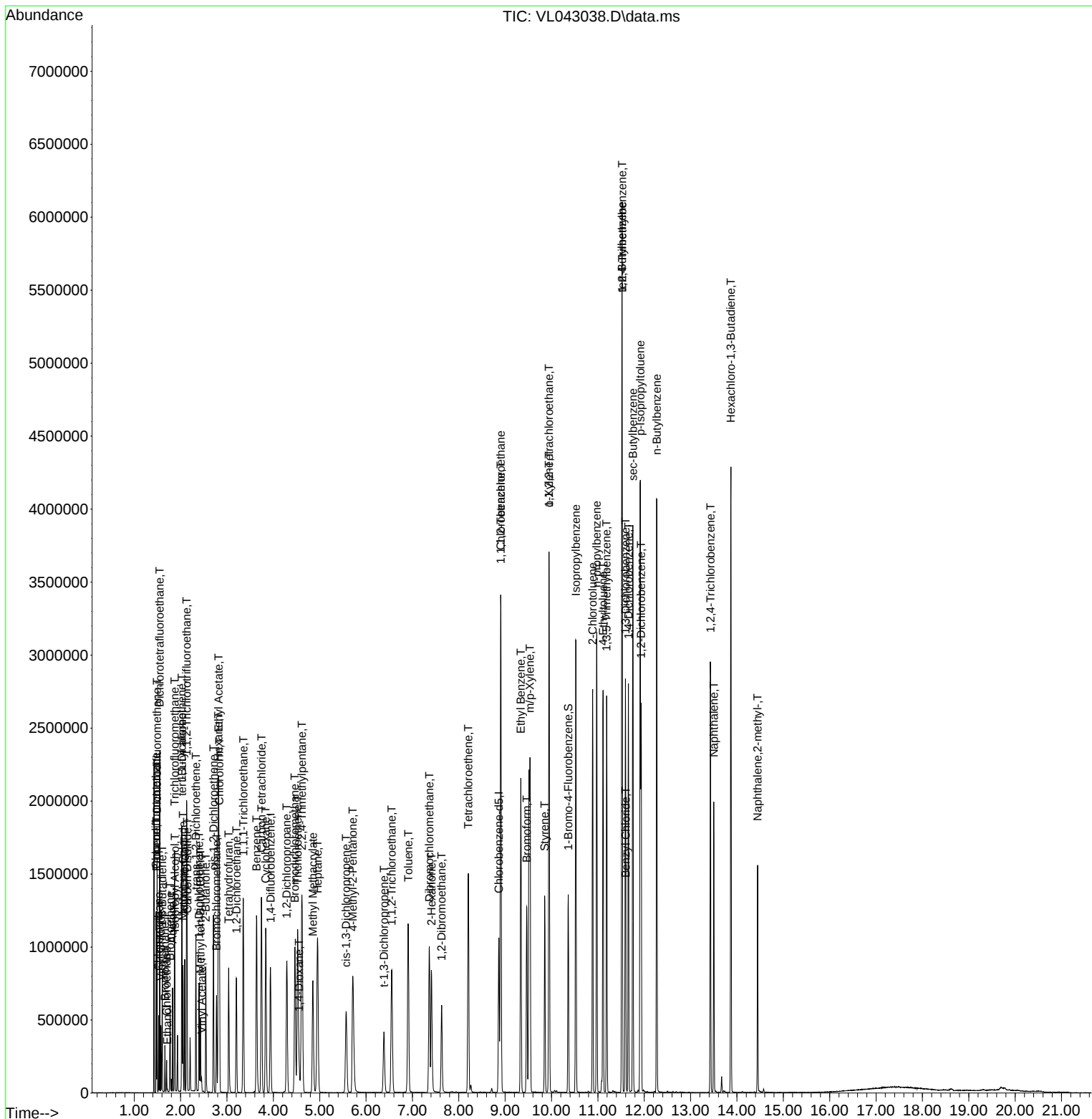
Instrument :
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 ClientSampleId :
 VSTDIC015

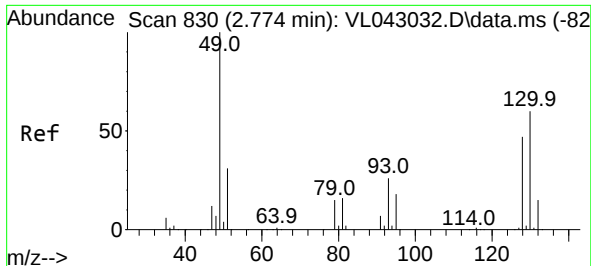
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Oct 03 07:59:23 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.571	75	351325	16.515	ppbv	100
47) 1,1,2-Trichloroethane	6.555	97	296142	14.428	ppbv	98
48) Dibromochloromethane	7.364	129	512219	15.290	ppbv	100
49) Bromoform	9.468	173	449641	16.072	ppbv	100
50) 4-Methyl-2-Pentanone	5.713	43	723710	16.786	ppbv	100
51) 2-Hexanone	7.409	43	562773	18.407	ppbv	100
52) Tetrachloroethene	8.205	164	270386	14.575	ppbv	98
53) Toluene	6.911	91	858713	17.085	ppbv	100
54) 1,2-Dibromoethane	7.629	107	378193	15.546	ppbv	97
56) 1,1,1,2-Tetrachloroethane	8.908	131	394995	14.519	ppbv	100
57) Chlorobenzene	8.904	112	670949	14.220	ppbv	99
58) Ethyl Benzene	9.338	91	1190670	17.220	ppbv	99
59) m/p-Xylene	9.536	91	902175	15.463	ppbv #	17
60) o-Xylene	9.947	91	969480	16.688	ppbv	99
61) Styrene	9.853	104	462847	19.017	ppbv	100
62) Isopropylbenzene	10.526	105	1455778	16.324	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.947	83	593157	14.167	ppbv	100
64) n-propylbenzene	10.976	120	387627	16.991	ppbv	95
65) tert-Butylbenzene	11.520	119	1283802	16.175	ppbv	99
66) Benzyl Chloride	11.604	91	50421	16.394	ppbv	99
67) sec-Butylbenzene	11.756	105	1758282	15.875	ppbv	98
69) p-Isopropyltoluene	11.915	119	1493674	16.578	ppbv	99
70) n-Butylbenzene	12.271	91	1480662	17.067	ppbv	98
71) 2-Chlorotoluene	10.889	91	1085558	16.819	ppbv	100
72) 4-Ethyltoluene	11.112	105	1190551	17.218	ppbv	99
73) 1,3,5-Trimethylbenzene	11.190	105	1001678	16.745	ppbv	100
74) 1,2,4-Trimethylbenzene	11.523	105	1091026	16.160	ppbv	95
75) 1,3-Dichlorobenzene	11.594	146	665205	15.149	ppbv	100
76) 1,4-Dichlorobenzene	11.659	146	656125	15.671	ppbv	99
77) 1,2-Dichlorobenzene	11.934	146	632662	14.465	ppbv	99
78) Hexachloro-1,3-Butadiene	13.870	225	435408	14.288	ppbv	100
79) Naphthalene	13.501	128	887779	14.984	ppbv	99
80) Naphthalene,2-methyl-	14.446	142	421038	15.372	ppbv	99
81) 1,2,4-Trichlorobenzene	13.429	180	489642	18.818	ppbv	99

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

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Response via : Initial Calibration

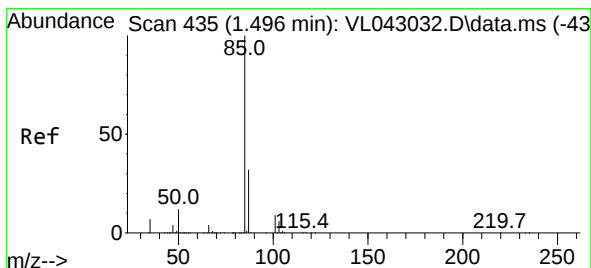
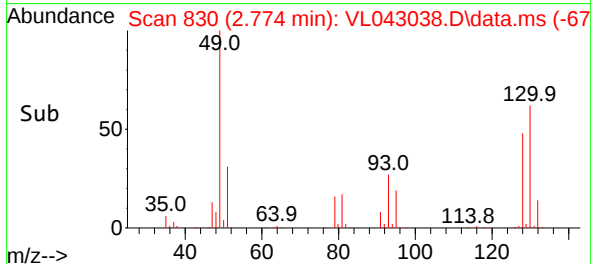
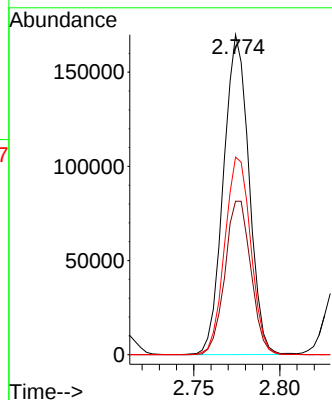
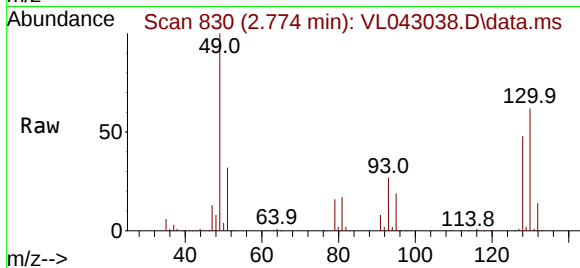




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 2.774 min Scan# 830
 Delta R.T. 0.000 min
 Lab File: VL043038.D
 Acq: 02 Oct 2025 13:41

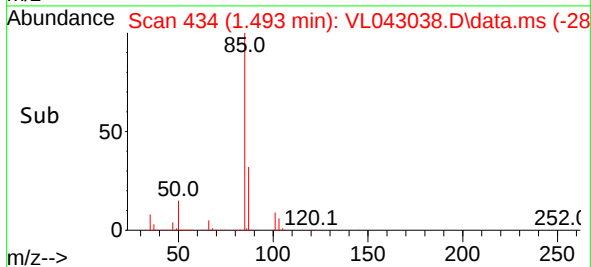
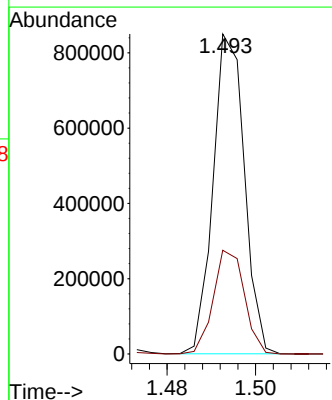
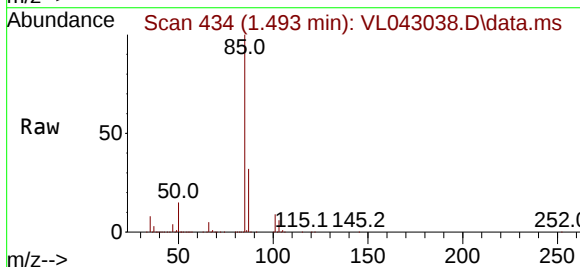
Instrument :
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 ClientSampleId :
 VSTDIC015

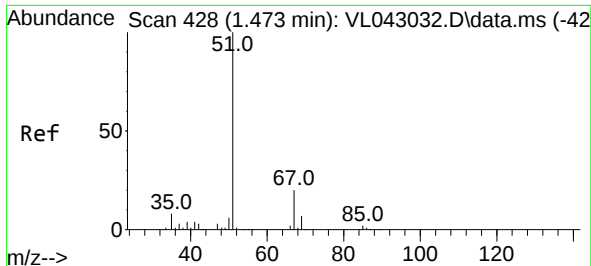
Tgt Ion: 49 Resp: 174781
 Ion Ratio Lower Upper
 49 100
 128 49.0 24.1 72.2
 130 63.0 31.4 94.3



#2
 Dichlorodifluoromethane
 Concen: 14.157 ppbv
 RT: 1.493 min Scan# 434
 Delta R.T. -0.003 min
 Lab File: VL043038.D
 Acq: 02 Oct 2025 13:41

Tgt Ion: 85 Resp: 417041
 Ion Ratio Lower Upper
 85 100
 87 32.4 25.8 38.6

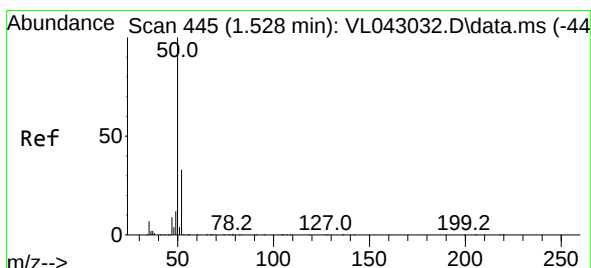
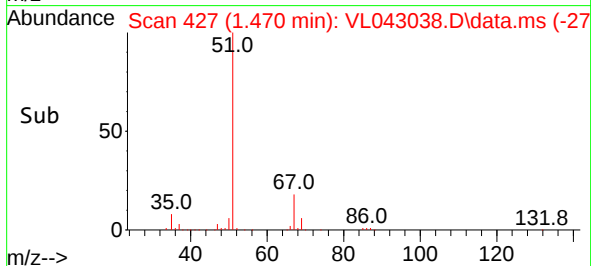
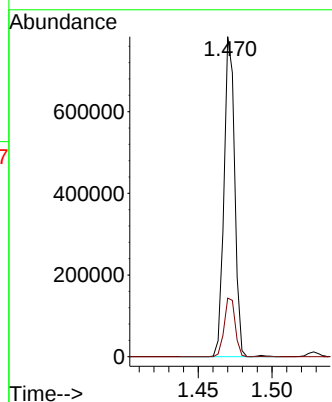
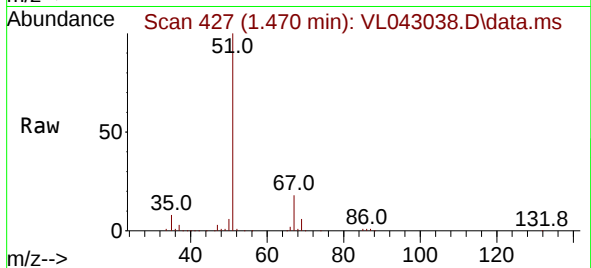




#3
Chlorodifluoromethane
Concen: 13.924 ppbv
RT: 1.470 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL043038.D
Acq: 02 Oct 2025 13:41

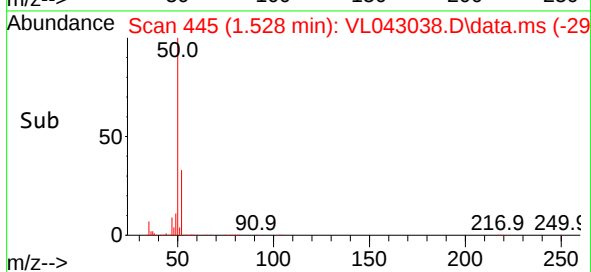
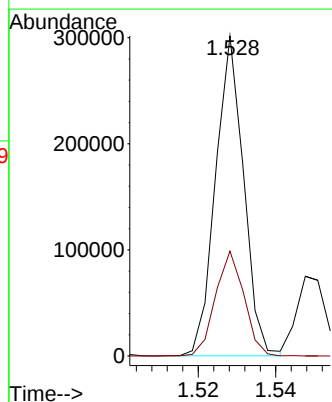
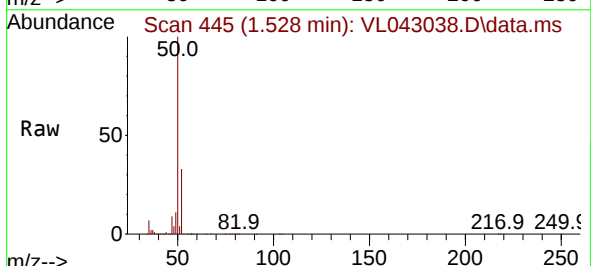
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ClientSampleId :
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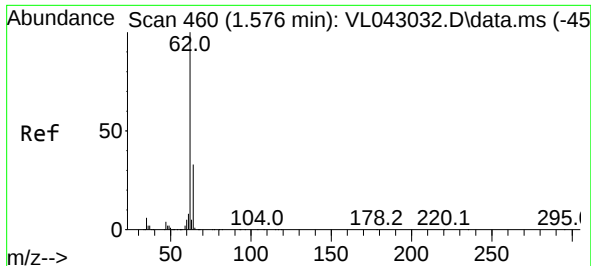
Tgt Ion: 51 Resp: 396783
Ion Ratio Lower Upper
51 100
67 18.8 15.1 22.7



#4
Chloromethane
Concen: 14.131 ppbv
RT: 1.528 min Scan# 445
Delta R.T. 0.000 min
Lab File: VL043038.D
Acq: 02 Oct 2025 13:41

Tgt Ion: 50 Resp: 152053
Ion Ratio Lower Upper
50 100
52 32.7 26.2 39.2

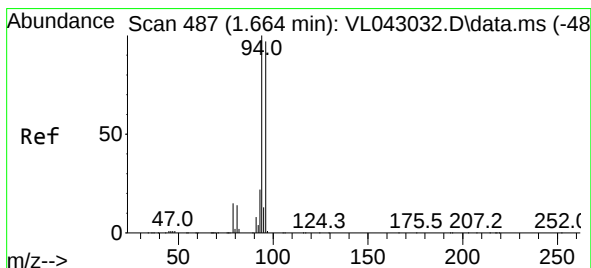
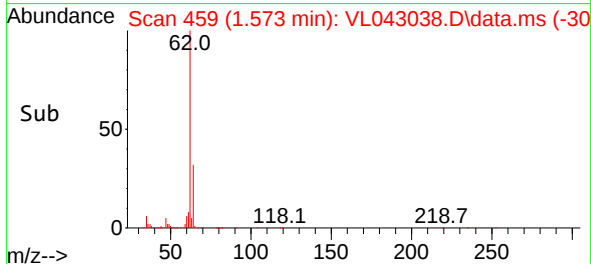
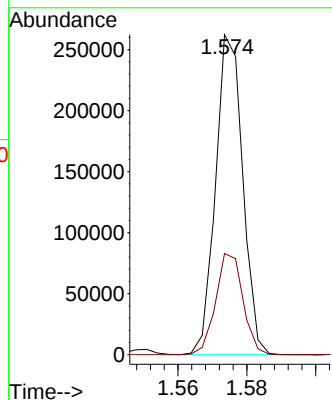
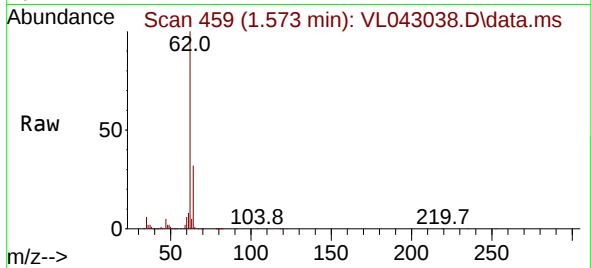




#5
 Vinyl Chloride
 Concen: 14.073 ppbv
 RT: 1.573 min Scan# 41
 Delta R.T. -0.003 min
 Lab File: VL043038.D
 Acq: 02 Oct 2025 13:41

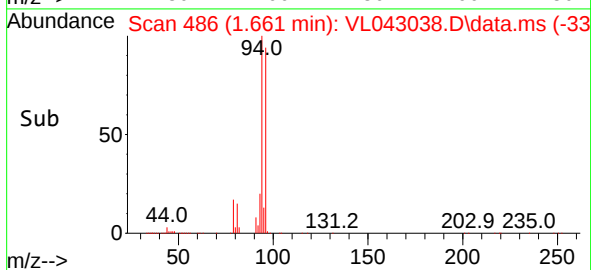
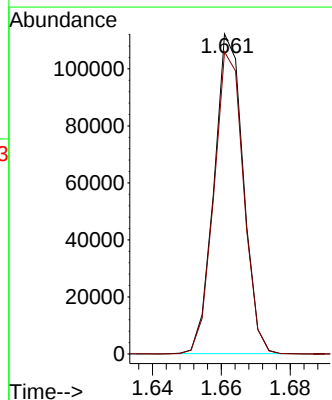
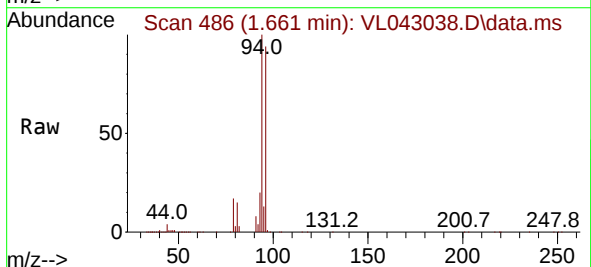
Instrument :
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 ClientSampleId :
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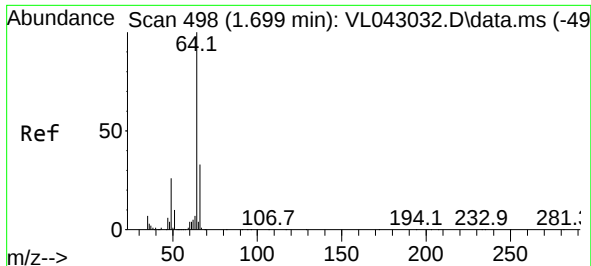
Tgt Ion: 62 Resp: 143710
 Ion Ratio Lower Upper
 62 100
 64 31.6 26.2 39.2



#6
 Bromomethane
 Concen: 14.410 ppbv
 RT: 1.661 min Scan# 486
 Delta R.T. -0.003 min
 Lab File: VL043038.D
 Acq: 02 Oct 2025 13:41

Tgt Ion: 94 Resp: 66123
 Ion Ratio Lower Upper
 94 100
 96 94.4 77.6 116.4

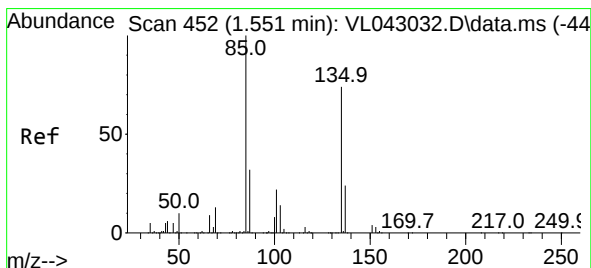
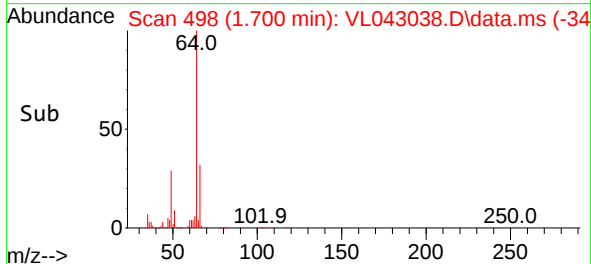
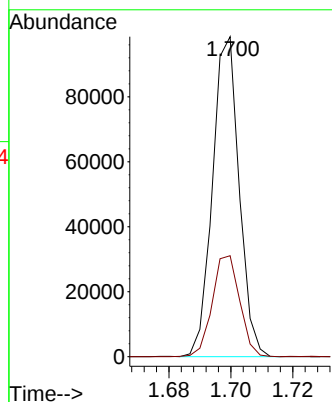
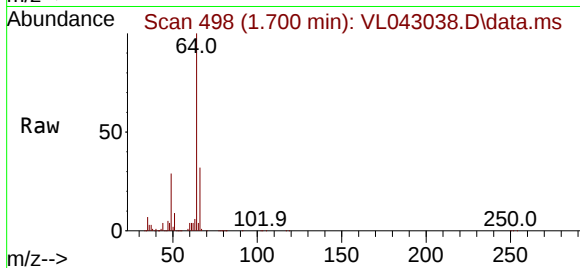




#7
Chloroethane
Concen: 13.801 ppbv
RT: 1.700 min Scan# 498
Delta R.T. 0.000 min
Lab File: VL043038.D
Acq: 02 Oct 2025 13:41

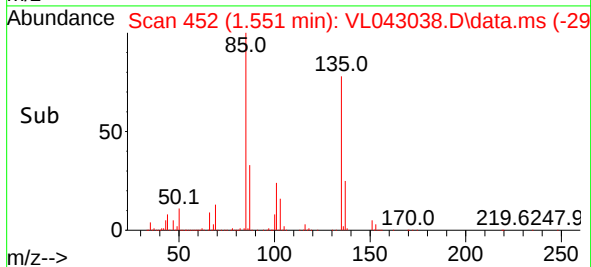
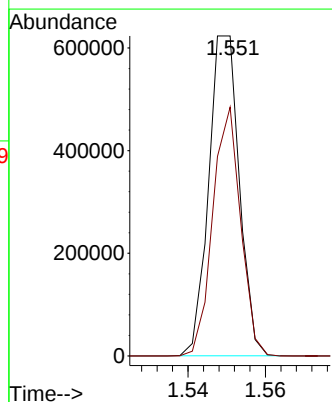
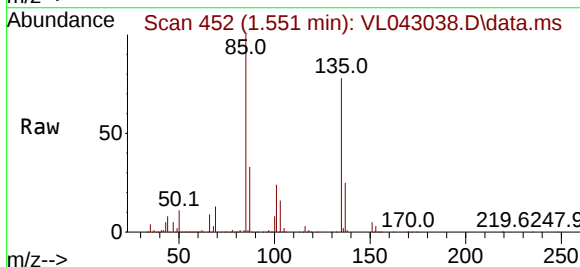
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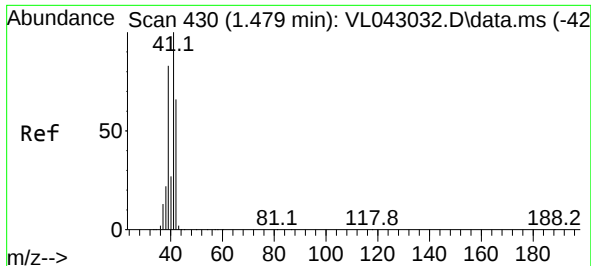
Tgt Ion: 64 Resp: 58804
Ion Ratio Lower Upper
64 100
66 31.6 26.6 39.8



#8
Dichlorotetrafluoroethane
Concen: 14.198 ppbv
RT: 1.551 min Scan# 452
Delta R.T. 0.000 min
Lab File: VL043038.D
Acq: 02 Oct 2025 13:41

Tgt Ion: 85 Resp: 342721
Ion Ratio Lower Upper
85 100
135 70.7 56.3 84.5

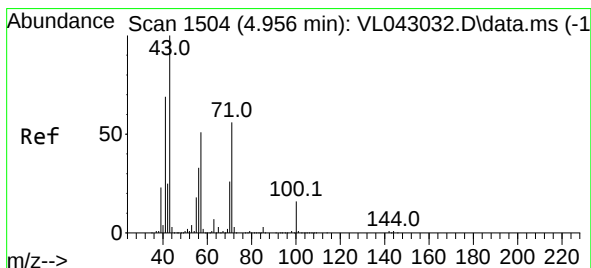
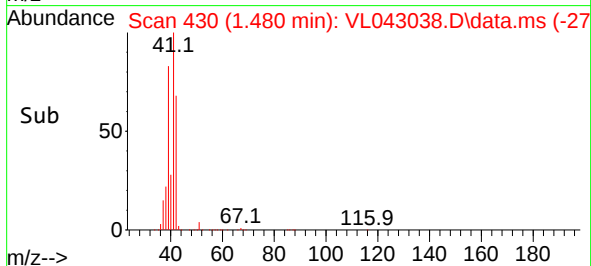
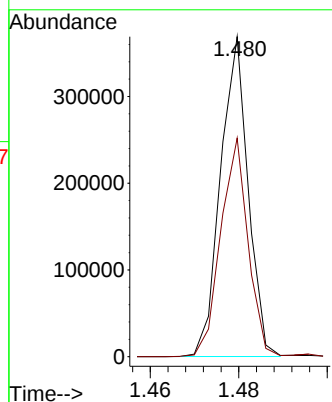
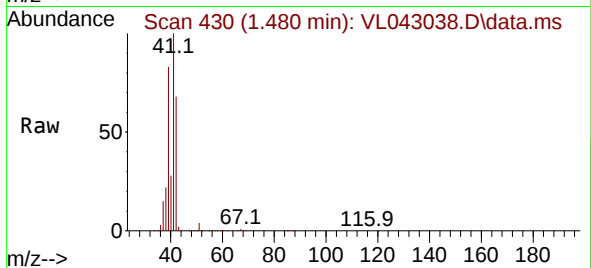




#9
 Propene
 Concen: 13.898 ppbv
 RT: 1.480 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VL043038.D
 Acq: 02 Oct 2025 13:41

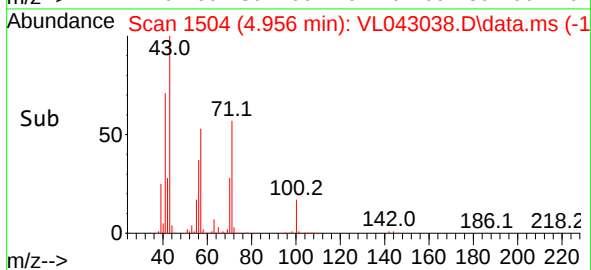
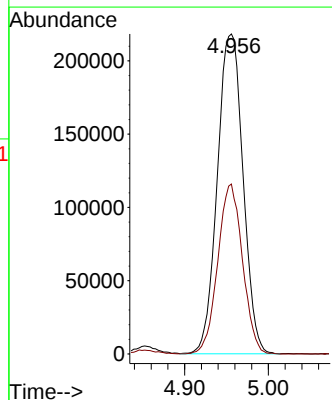
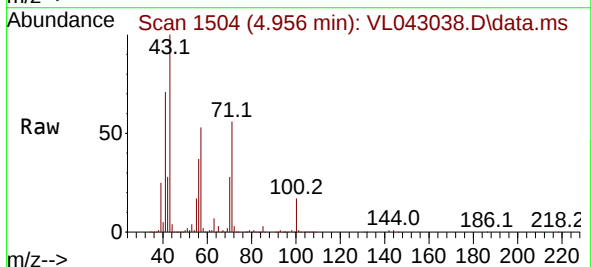
Instrument :
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 ClientSampleId :
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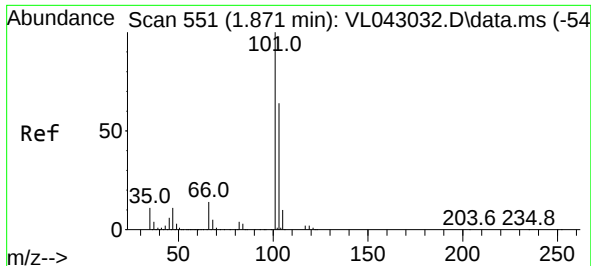
Tgt Ion: 41 Resp: 159689
 Ion Ratio Lower Upper
 41 100
 42 68.7 53.3 79.9



#10
 Heptane
 Concen: 16.450 ppbv
 RT: 4.956 min Scan# 1504
 Delta R.T. 0.000 min
 Lab File: VL043038.D
 Acq: 02 Oct 2025 13:41

Tgt Ion: 43 Resp: 465543
 Ion Ratio Lower Upper
 43 100
 57 51.0 40.3 60.5

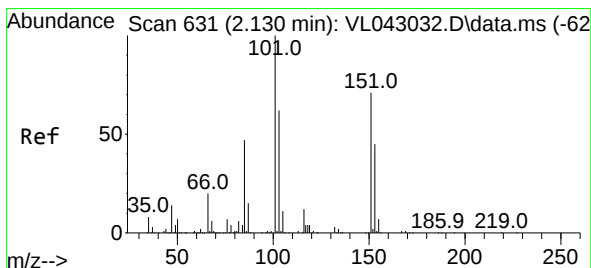
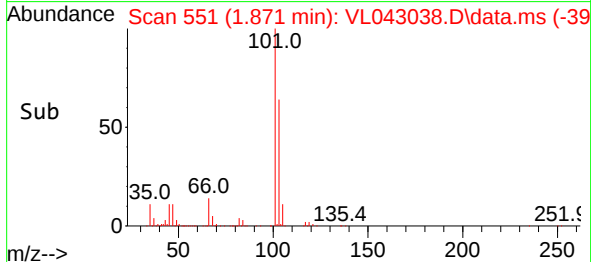
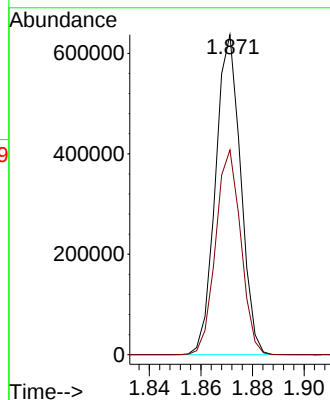
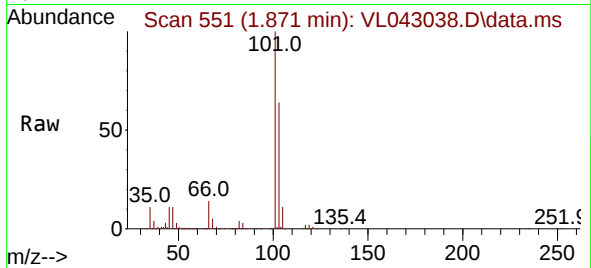




#11
 Trichlorofluoromethane
 Concen: 14.220 ppbv
 RT: 1.871 min Scan# 551
 Delta R.T. 0.000 min
 Lab File: VL043038.D
 Acq: 02 Oct 2025 13:41

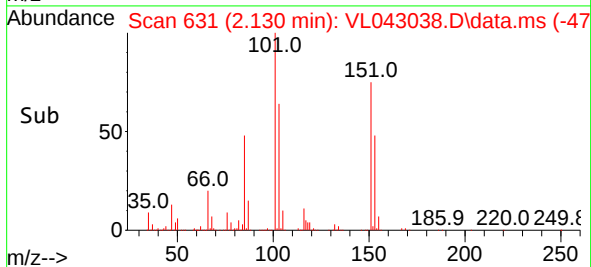
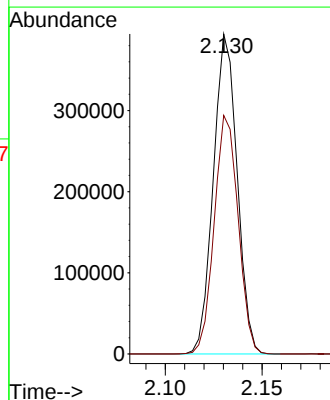
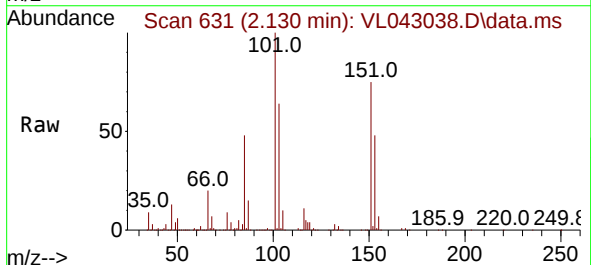
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

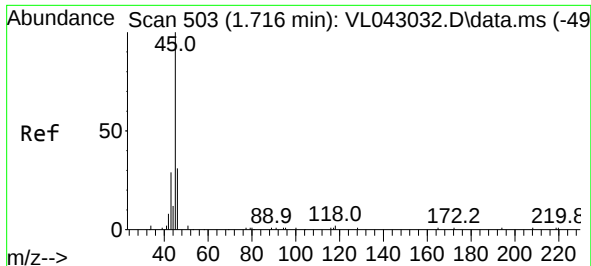
Tgt Ion:101 Resp: 430473
 Ion Ratio Lower Upper
 101 100
 103 64.0 51.1 76.7



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 14.145 ppbv
 RT: 2.130 min Scan# 631
 Delta R.T. 0.000 min
 Lab File: VL043038.D
 Acq: 02 Oct 2025 13:41

Tgt Ion:101 Resp: 337263
 Ion Ratio Lower Upper
 101 100
 151 74.8 58.1 87.1

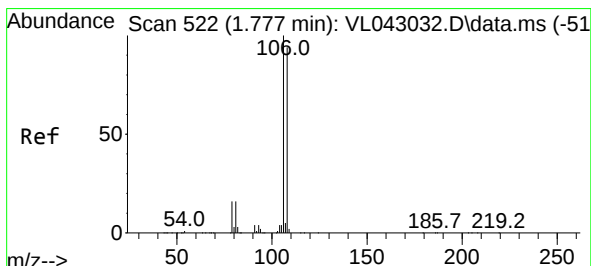
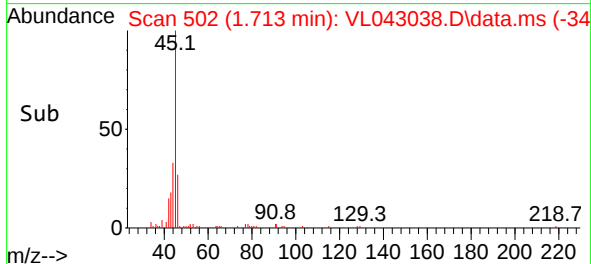
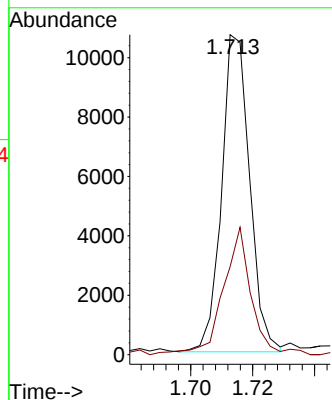
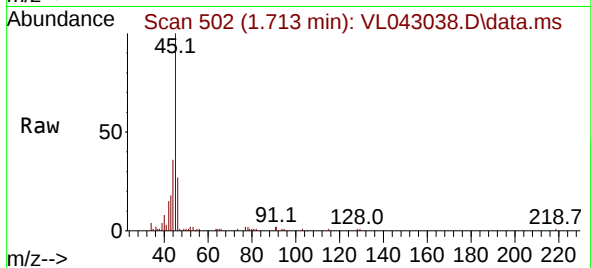




#13
Ethanol
Concen: 14.884 ppbv
RT: 1.713 min Scan# 503
Delta R.T. -0.003 min
Lab File: VL043038.D
Acq: 02 Oct 2025 13:41

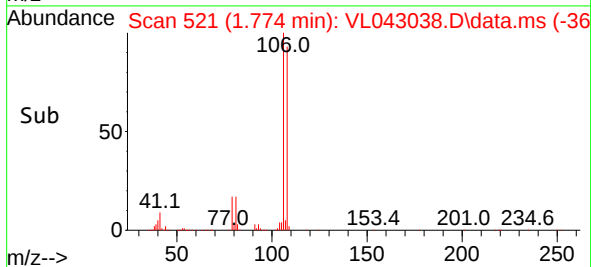
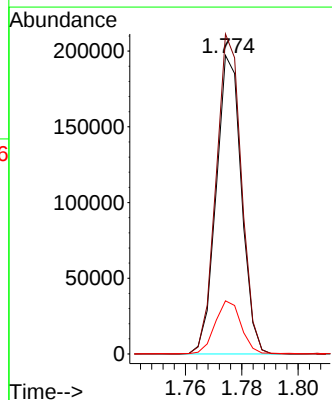
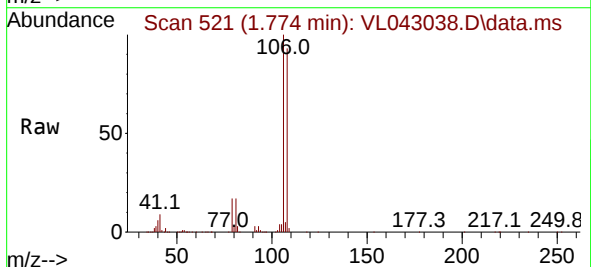
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

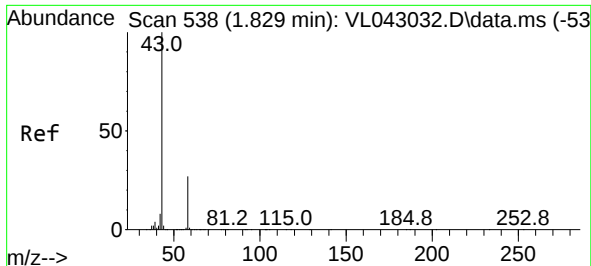
Tgt Ion: 45 Resp: 6726
Ion Ratio Lower Upper
45 100
46 40.5 17.8 71.4



#14
Bromoethene
Concen: 14.394 ppbv
RT: 1.774 min Scan# 521
Delta R.T. -0.003 min
Lab File: VL043038.D
Acq: 02 Oct 2025 13:41

Tgt Ion: 108 Resp: 123040
Ion Ratio Lower Upper
108 100
106 107.2 85.2 127.8
79 18.9 14.8 22.2

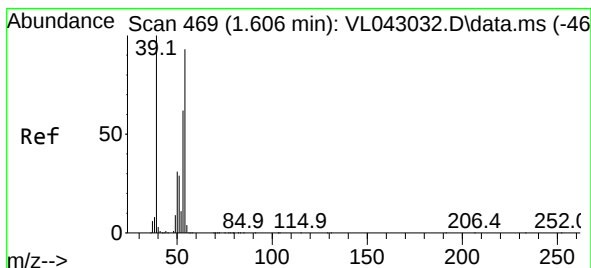
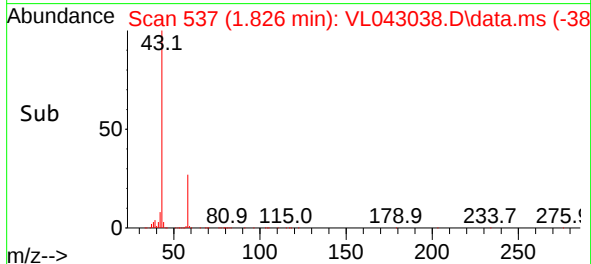
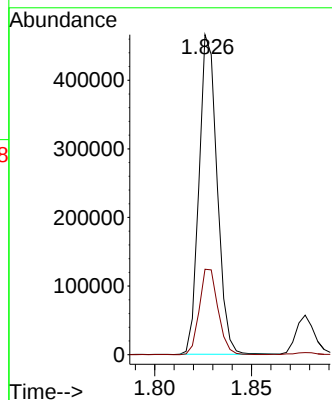
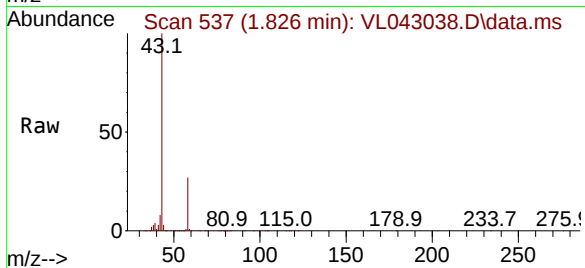




#15
Acetone
Concen: 12.370 ppbv
RT: 1.826 min Scan# 51
Delta R.T. -0.003 min
Lab File: VL043038.D
Acq: 02 Oct 2025 13:41

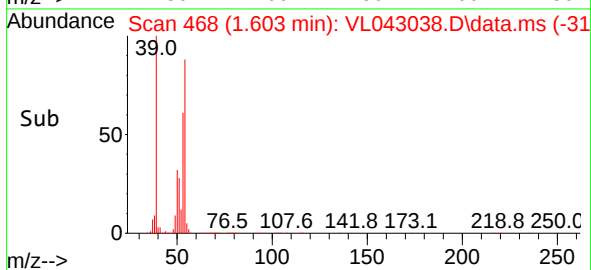
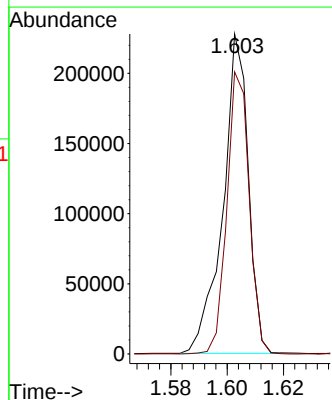
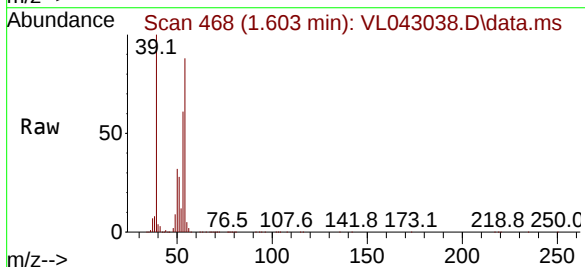
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

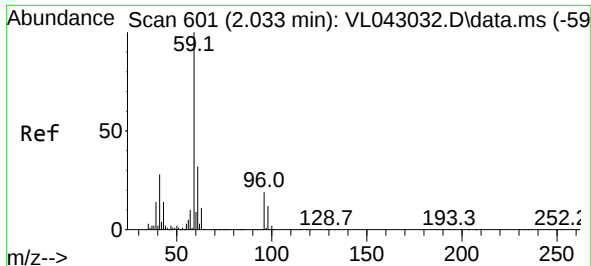
Tgt Ion: 43 Resp: 302724
Ion Ratio Lower Upper
43 100
58 27.8 22.2 33.4



#16
1,3-Butadiene
Concen: 14.108 ppbv
RT: 1.603 min Scan# 468
Delta R.T. -0.003 min
Lab File: VL043038.D
Acq: 02 Oct 2025 13:41

Tgt Ion: 39 Resp: 142349
Ion Ratio Lower Upper
39 100
54 77.7 61.4 92.2

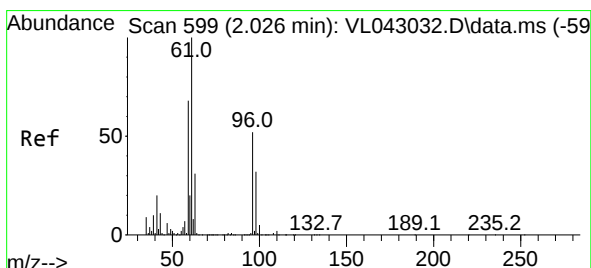
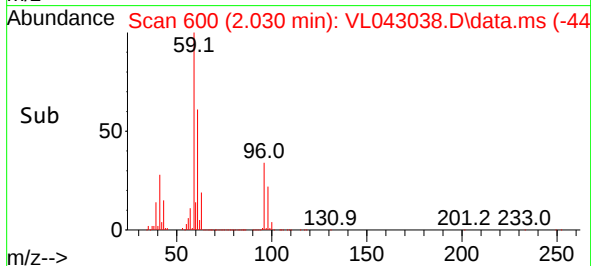
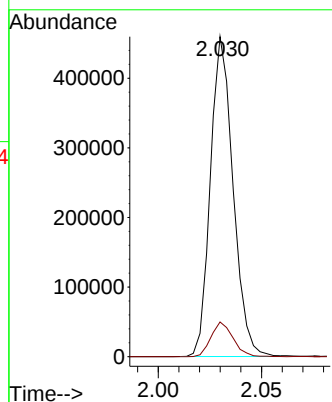
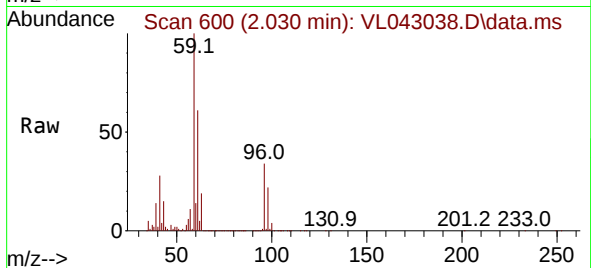




#17
tert-Butyl alcohol
Concen: 13.608 ppbv
RT: 2.030 min Scan# 601
Delta R.T. -0.003 min
Lab File: VL043038.D
Acq: 02 Oct 2025 13:41

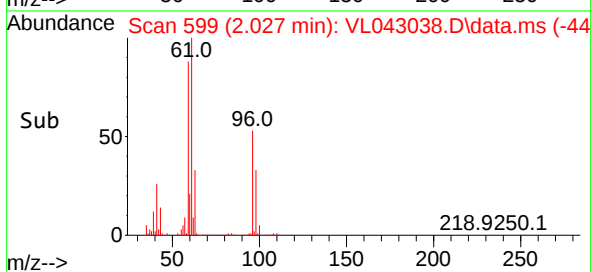
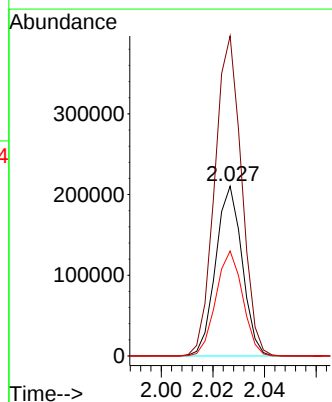
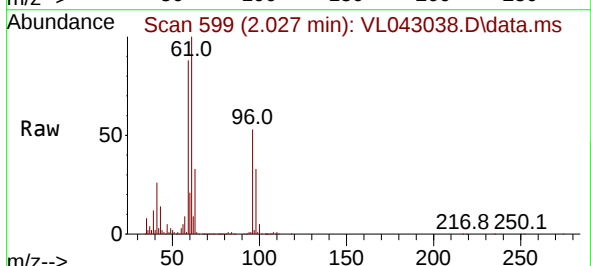
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

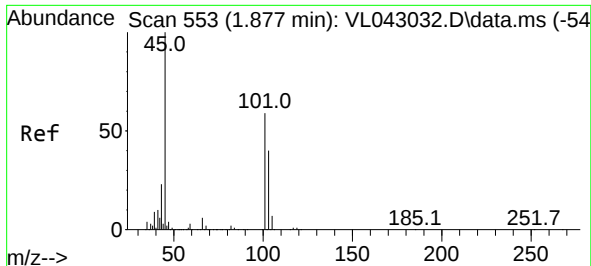
Tgt Ion: 59 Resp: 352251
Ion Ratio Lower Upper
59 100
57 10.6 8.5 12.7



#18
1,1-Dichloroethene
Concen: 14.353 ppbv
RT: 2.027 min Scan# 599
Delta R.T. 0.000 min
Lab File: VL043038.D
Acq: 02 Oct 2025 13:41

Tgt Ion: 96 Resp: 150012
Ion Ratio Lower Upper
96 100
61 188.5 153.0 229.6
98 61.8 48.8 73.2

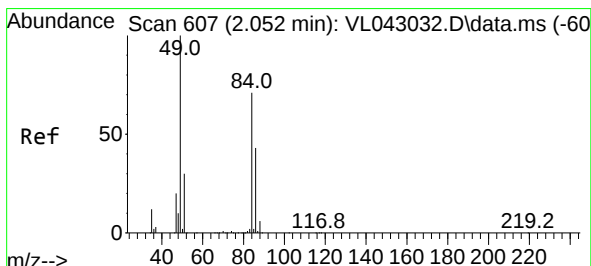
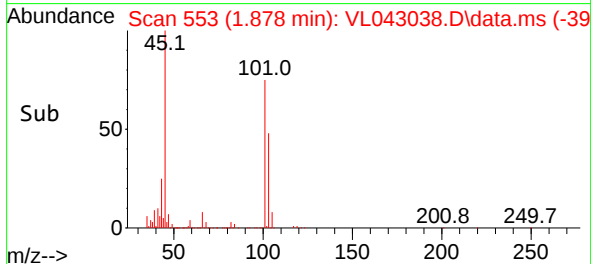
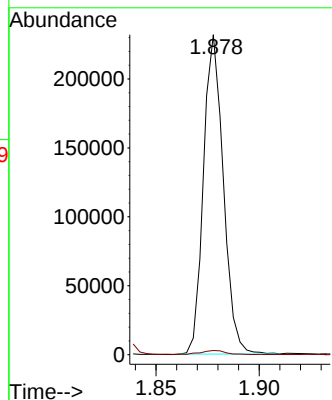
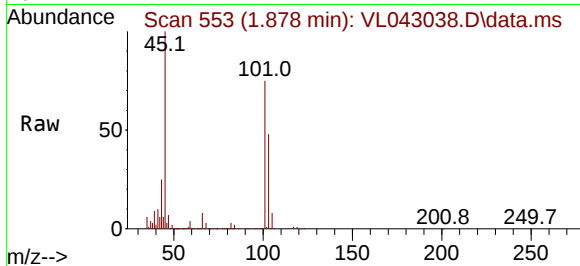




#19
Isopropyl Alcohol
Concen: 13.166 ppbv
RT: 1.878 min Scan# 511
Delta R.T. 0.000 min
Lab File: VL043038.D
Acq: 02 Oct 2025 13:41

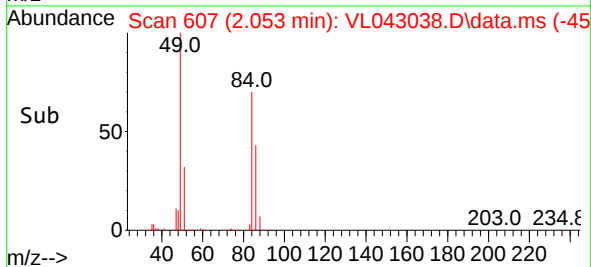
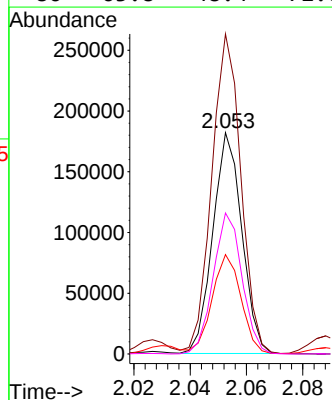
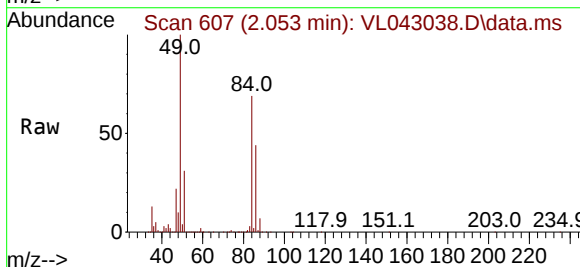
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

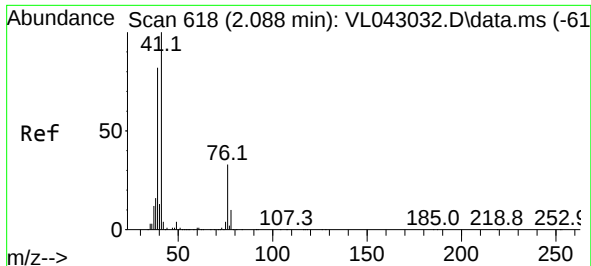
Tgt Ion: 45 Resp: 154373
Ion Ratio Lower Upper
45 100
58 54.6 42.3 63.5



#20
Methylene Chloride
Concen: 12.181 ppbv
RT: 2.053 min Scan# 607
Delta R.T. 0.000 min
Lab File: VL043038.D
Acq: 02 Oct 2025 13:41

Tgt Ion: 84 Resp: 130116
Ion Ratio Lower Upper
84 100
49 144.7 112.5 168.7
51 44.8 34.2 51.2
86 63.8 48.4 72.6

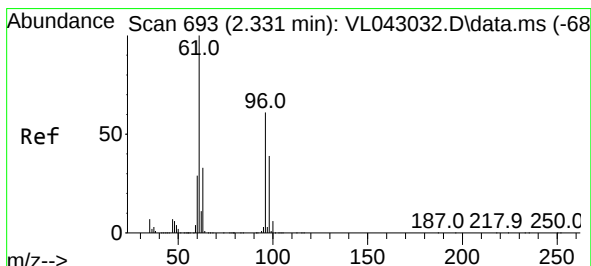
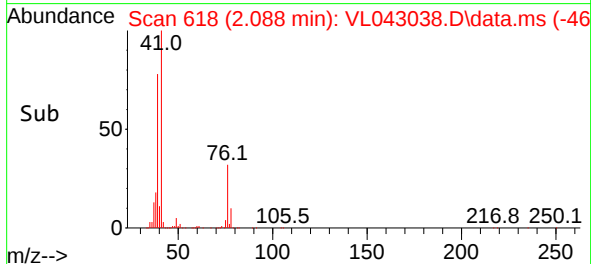
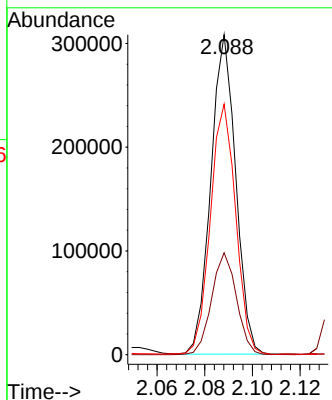
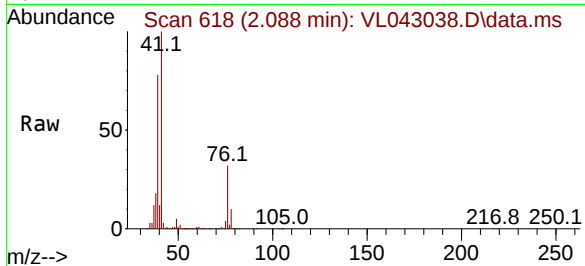




#21
 Allyl Chloride
 Concen: 14.247 ppbv
 RT: 2.088 min Scan# 618
 Delta R.T. 0.000 min
 Lab File: VL043038.D
 Acq: 02 Oct 2025 13:41

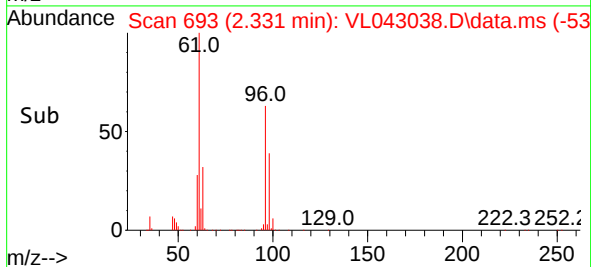
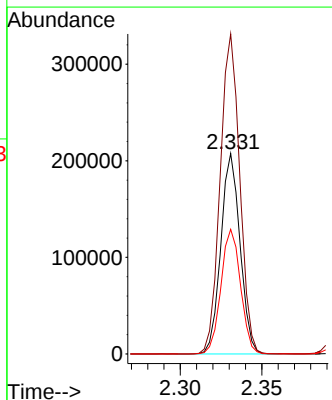
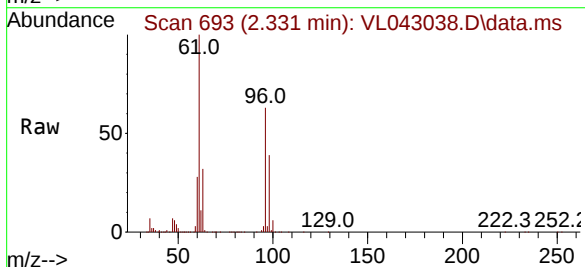
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

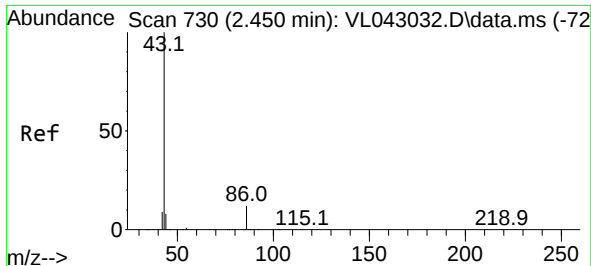
Tgt Ion: 41 Resp: 223371
 Ion Ratio Lower Upper
 41 100
 76 31.9 25.9 38.9
 39 79.5 63.0 94.4



#22
 trans-1,2-Dichloroethene
 Concen: 14.313 ppbv
 RT: 2.331 min Scan# 693
 Delta R.T. 0.000 min
 Lab File: VL043038.D
 Acq: 02 Oct 2025 13:41

Tgt Ion: 96 Resp: 169834
 Ion Ratio Lower Upper
 96 100
 61 159.6 131.9 197.9
 98 62.2 52.1 78.1

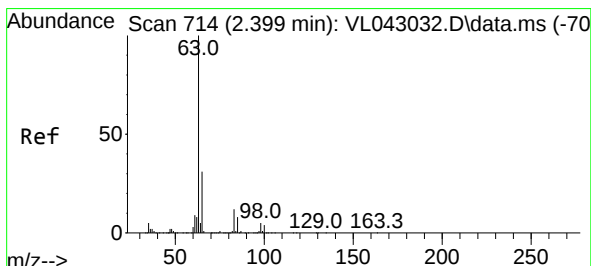
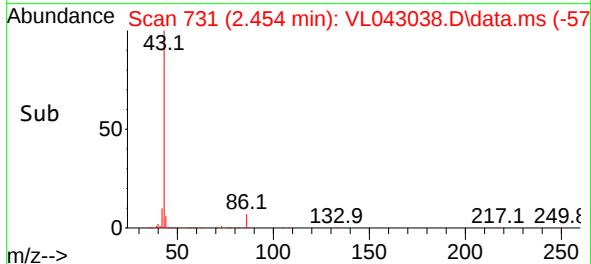
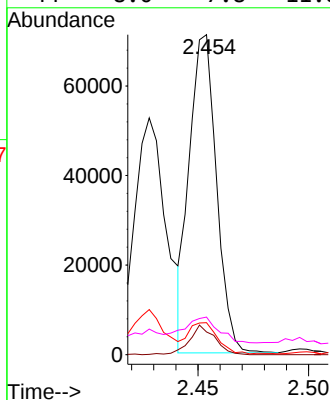
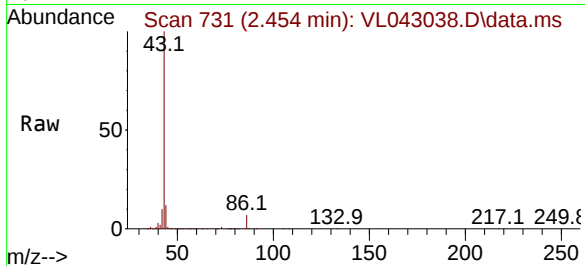




#23
Vinyl Acetate
Concen: 11.634 ppbv
RT: 2.454 min Scan# 714
Delta R.T. 0.004 min
Lab File: VL043038.D
Acq: 02 Oct 2025 13:41

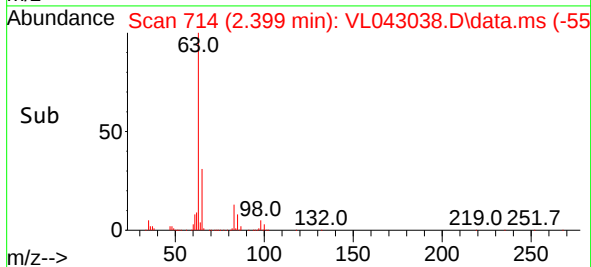
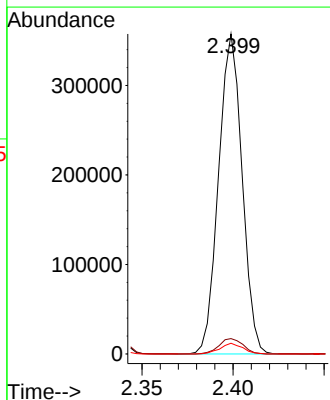
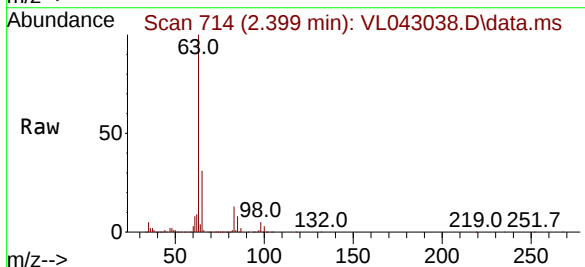
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC015

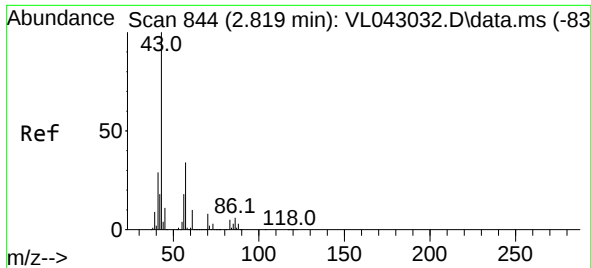
Tgt Ion: 43 Resp: 60446
Ion Ratio Lower Upper
43 100
86 7.2 7.5 11.3#
42 9.8 8.4 12.6
44 8.0 7.8 11.8



#24
1,1-Dichloroethane
Concen: 14.237 ppbv
RT: 2.399 min Scan# 714
Delta R.T. 0.000 min
Lab File: VL043038.D
Acq: 02 Oct 2025 13:41

Tgt Ion: 63 Resp: 320234
Ion Ratio Lower Upper
63 100
98 4.8 2.5 7.4
100 3.4 1.8 5.4



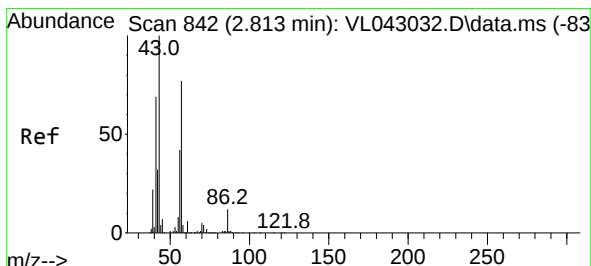
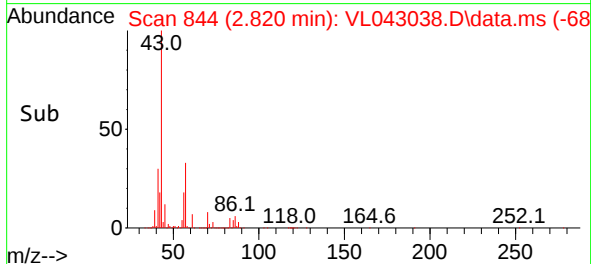
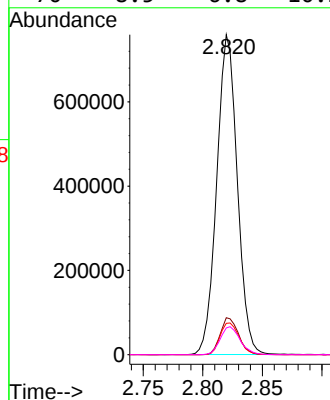
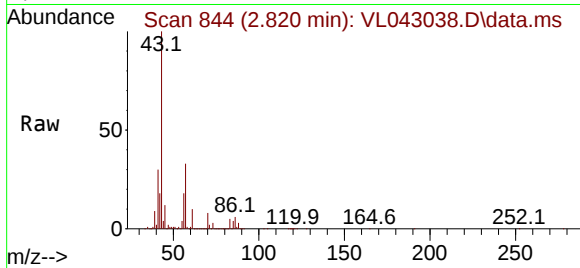


#25
Ethyl Acetate
Concen: 14.822 ppbv
RT: 2.820 min Scan# 844
Delta R.T. 0.000 min
Lab File: VL043038.D
Acq: 02 Oct 2025 13:41

Instrument :
MSVOA_1
ClientSampleId :
VSTDIC015

Tgt Ion: 43 Resp: 909988

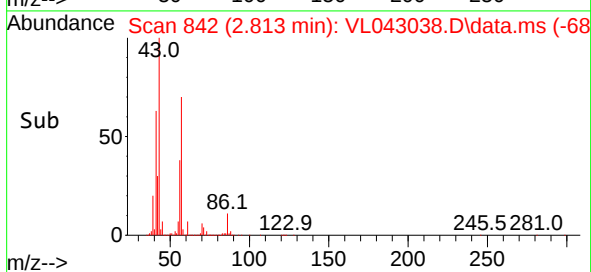
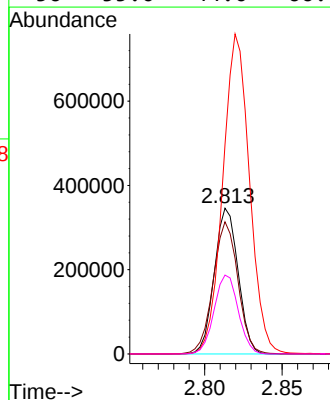
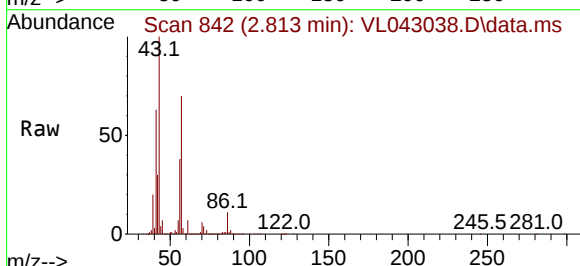
Ion	Ratio	Lower	Upper
43	100		
45	10.3	8.3	12.5
61	9.2	7.5	11.3
70	8.5	6.8	10.2

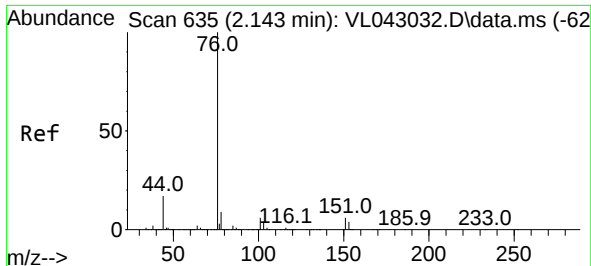


#26
Hexane
Concen: 15.667 ppbv
RT: 2.813 min Scan# 842
Delta R.T. 0.000 min
Lab File: VL043038.D
Acq: 02 Oct 2025 13:41

Tgt Ion: 57 Resp: 370003

Ion	Ratio	Lower	Upper
57	100		
41	95.1	76.1	114.1
43	246.5	201.4	302.0
56	55.0	44.0	66.0

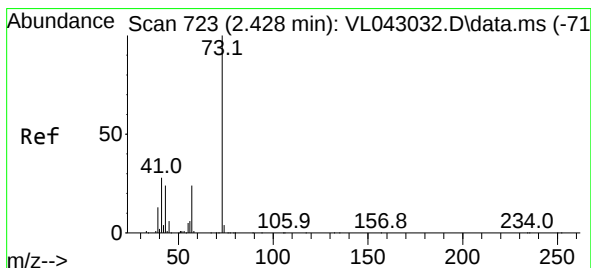
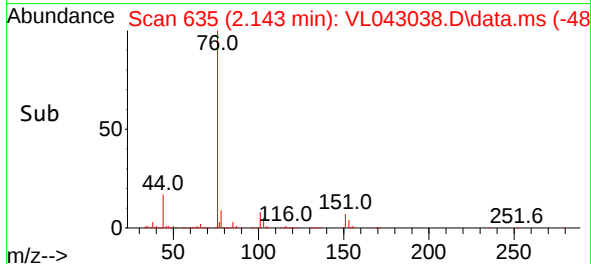
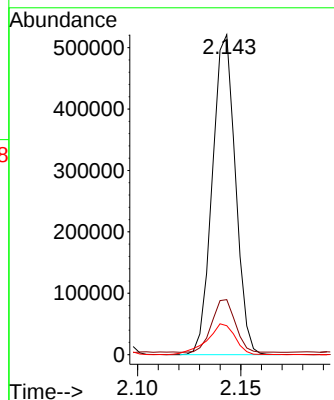
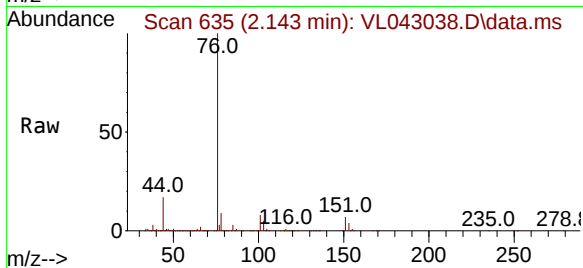




#27
Carbon Disulfide
Concen: 14.510 ppbv
RT: 2.143 min Scan# 611
Delta R.T. 0.000 min
Lab File: VL043038.D
Acq: 02 Oct 2025 13:41

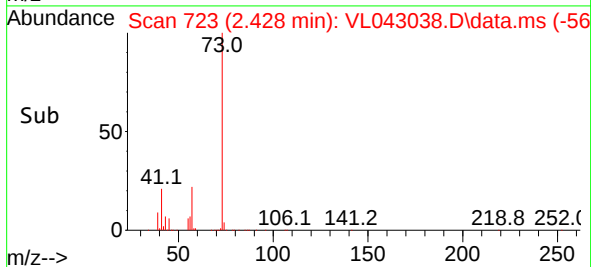
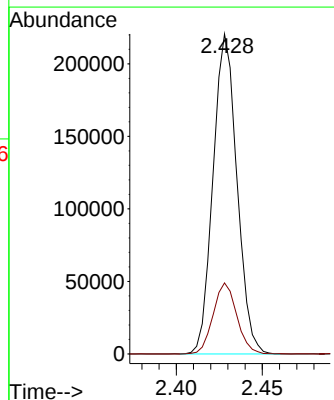
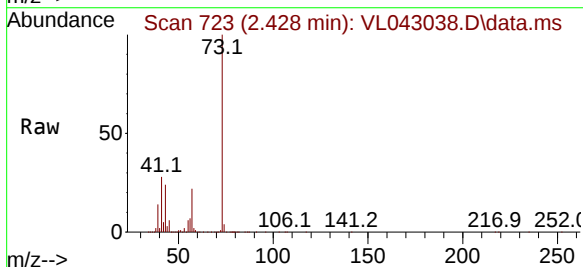
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

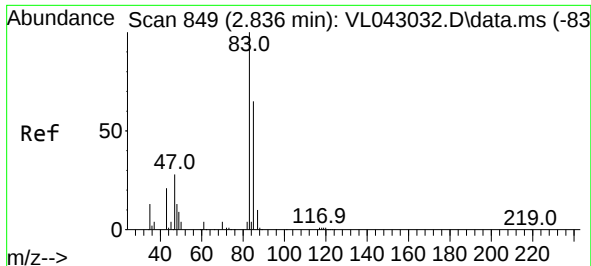
Tgt Ion: 76 Resp: 404552
Ion Ratio Lower Upper
76 100
44 18.0 14.0 21.0
78 11.7 9.4 14.0



#28
Methyl tert-Butyl Ether
Concen: 14.420 ppbv
RT: 2.428 min Scan# 723
Delta R.T. 0.000 min
Lab File: VL043038.D
Acq: 02 Oct 2025 13:41

Tgt Ion: 73 Resp: 213111
Ion Ratio Lower Upper
73 100
57 22.0 17.8 26.8





#29

Chloroform

Concen: 14.316 ppbv

RT: 2.836 min Scan# 84

Delta R.T. 0.000 min

Lab File: VL043038.D

Acq: 02 Oct 2025 13:41

Instrument :

MSVOA_L

ClientSampleId :

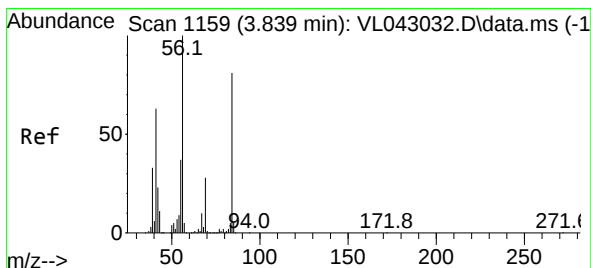
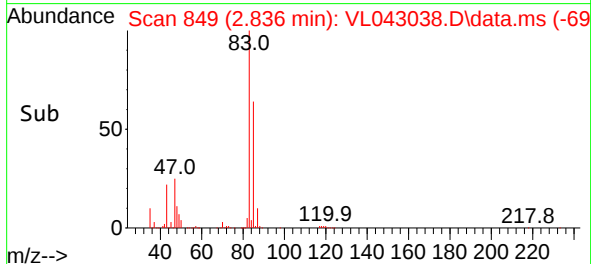
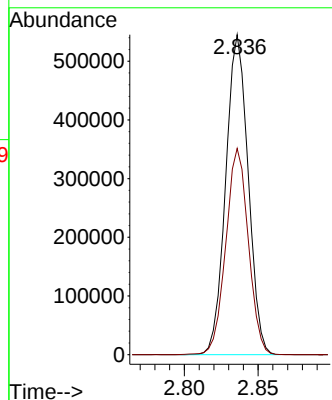
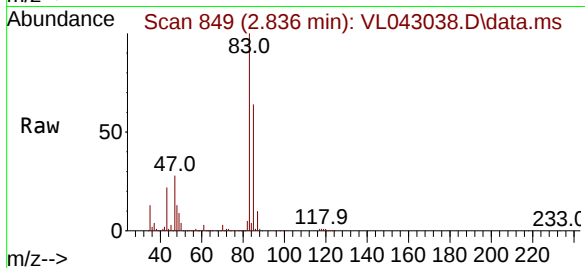
VSTDIC015

Tgt Ion: 83 Resp: 576414

Ion Ratio Lower Upper

83 100

85 64.4 52.0 78.0



#30

Cyclohexane

Concen: 16.212 ppbv

RT: 3.836 min Scan# 1158

Delta R.T. -0.003 min

Lab File: VL043038.D

Acq: 02 Oct 2025 13:41

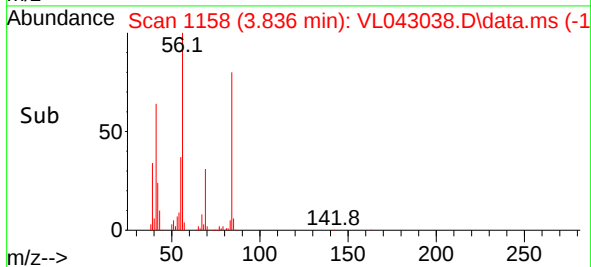
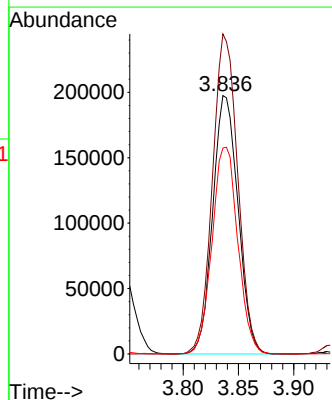
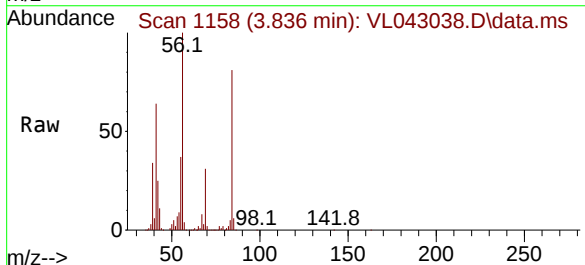
Tgt Ion: 84 Resp: 314603

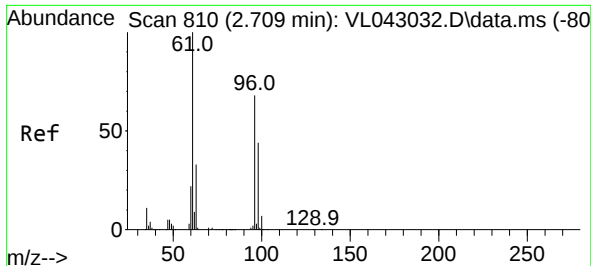
Ion Ratio Lower Upper

84 100

56 123.0 99.9 149.9

41 81.3 64.2 96.4

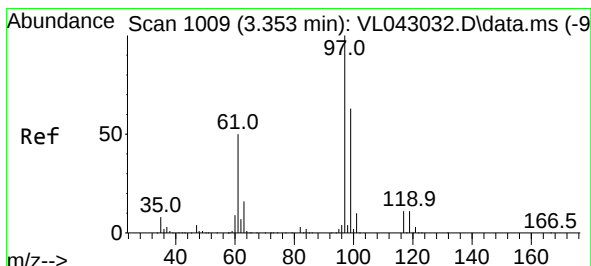
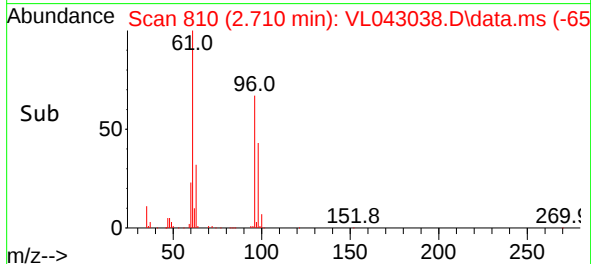
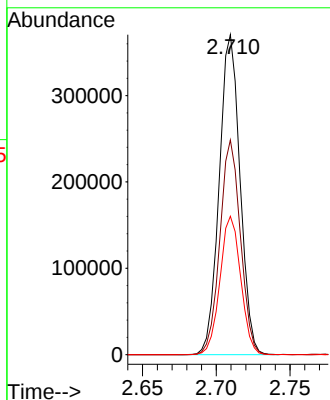
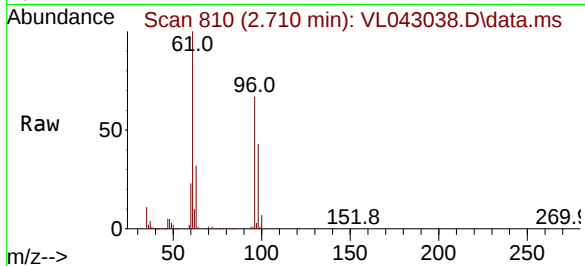




#31
 cis-1,2-Dichloroethene
 Concen: 14.984 ppbv
 RT: 2.710 min Scan# 810
 Delta R.T. 0.000 min
 Lab File: VL043038.D
 Acq: 02 Oct 2025 13:41

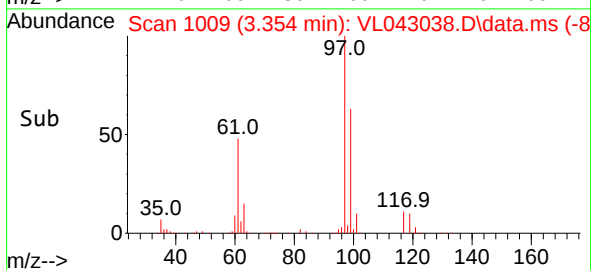
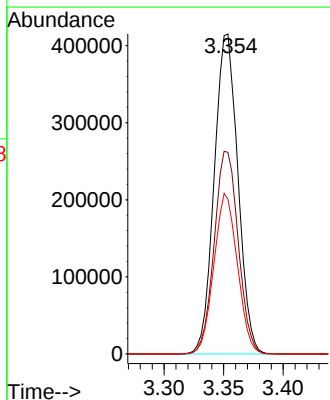
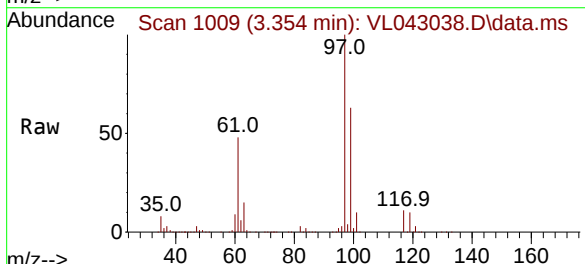
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

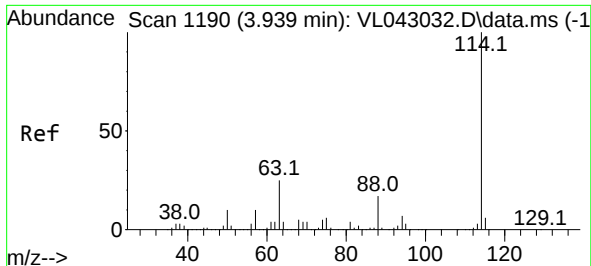
Tgt Ion: 61 Resp: 363768
 Ion Ratio Lower Upper
 61 100
 96 67.1 54.6 82.0
 98 43.2 34.8 52.2



#32
 1,1,1-Trichloroethane
 Concen: 14.648 ppbv
 RT: 3.354 min Scan# 1009
 Delta R.T. 0.000 min
 Lab File: VL043038.D
 Acq: 02 Oct 2025 13:41

Tgt Ion: 97 Resp: 573214
 Ion Ratio Lower Upper
 97 100
 99 64.3 51.2 76.8
 61 50.0 40.1 60.1

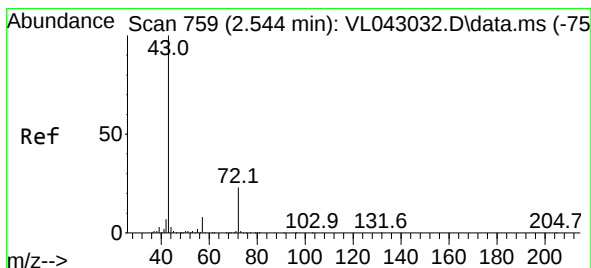
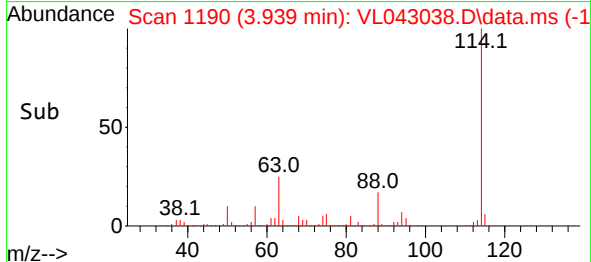
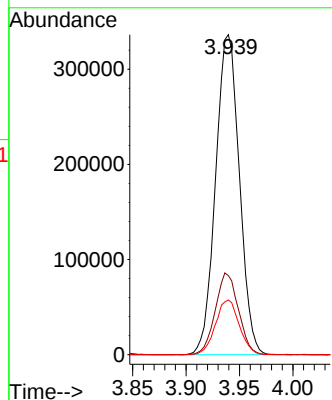
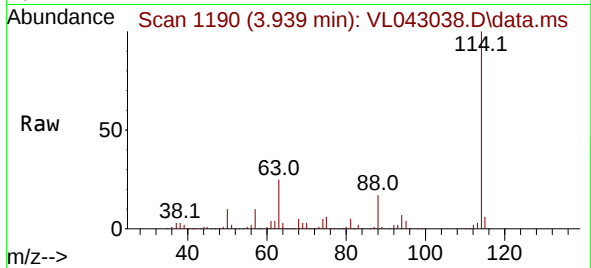




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.939 min Scan# 1190
Delta R.T. 0.000 min
Lab File: VL043038.D
Acq: 02 Oct 2025 13:41

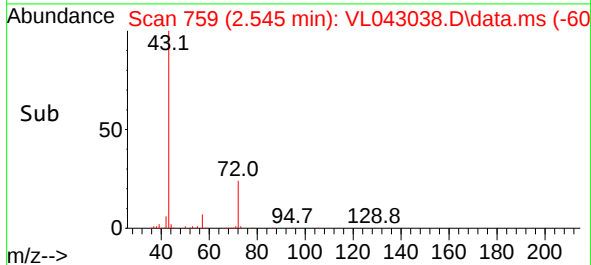
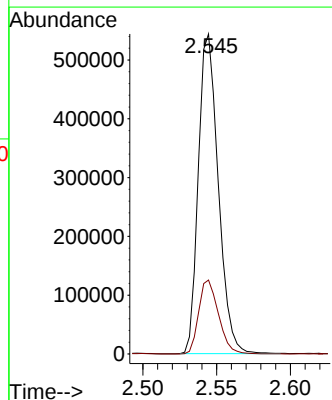
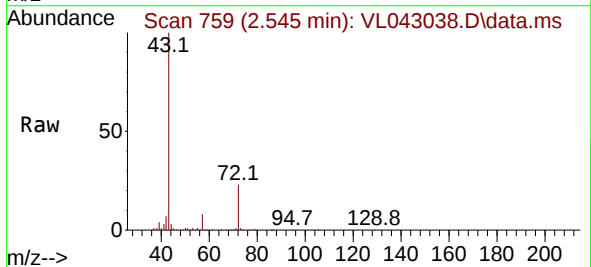
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

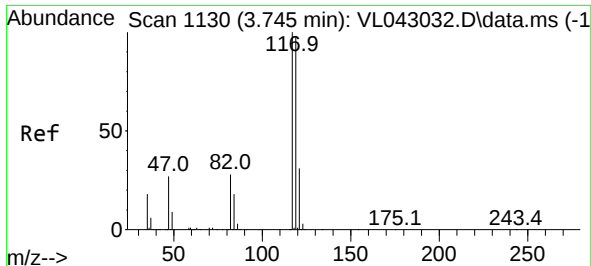
Tgt Ion:114 Resp: 521075
Ion Ratio Lower Upper
114 100
63 24.8 19.4 29.2
88 17.1 13.9 20.9



#34
2-Butanone
Concen: 14.453 ppbv
RT: 2.545 min Scan# 759
Delta R.T. 0.000 min
Lab File: VL043038.D
Acq: 02 Oct 2025 13:41

Tgt Ion: 43 Resp: 511000
Ion Ratio Lower Upper
43 100
72 23.0 18.4 27.6

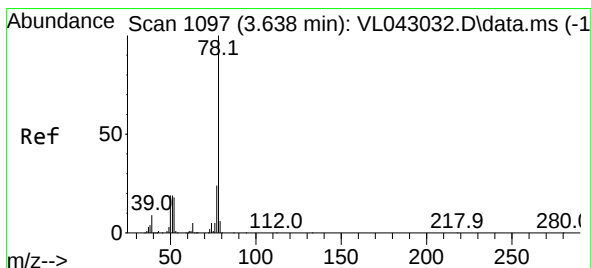
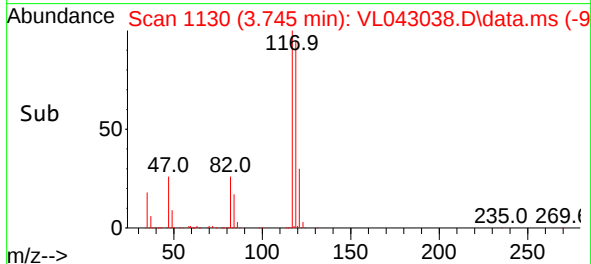
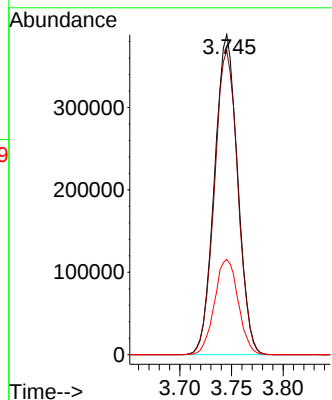
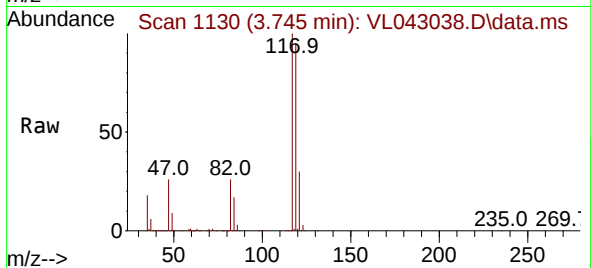




#35
Carbon Tetrachloride
Concen: 14.095 ppbv
RT: 3.745 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VL043038.D
Acq: 02 Oct 2025 13:41

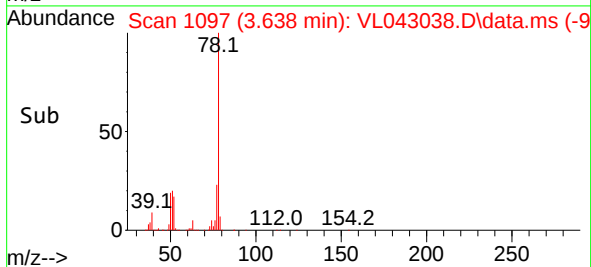
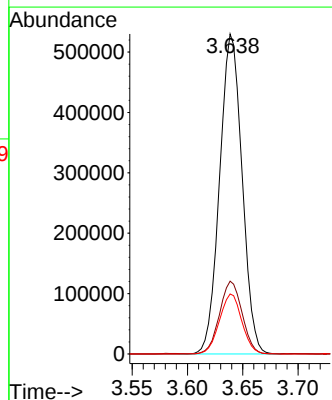
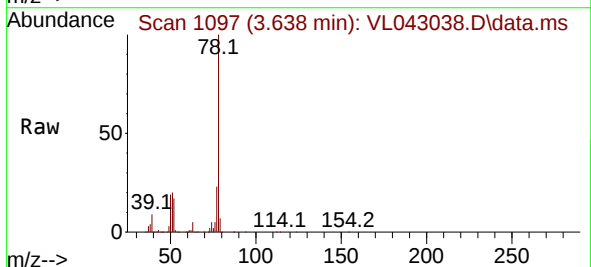
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

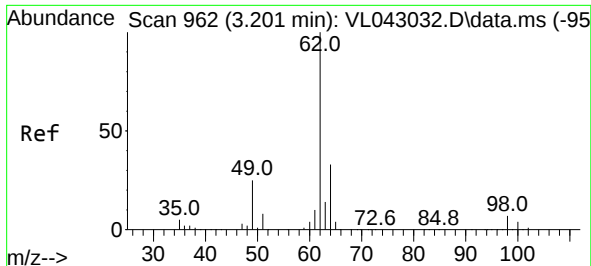
Tgt Ion:117 Resp: 604277
Ion Ratio Lower Upper
117 100
119 95.1 78.2 117.4
121 29.7 24.8 37.2



#36
Benzene
Concen: 15.028 ppbv
RT: 3.638 min Scan# 1097
Delta R.T. 0.000 min
Lab File: VL043038.D
Acq: 02 Oct 2025 13:41

Tgt Ion: 78 Resp: 748168
Ion Ratio Lower Upper
78 100
77 22.7 19.2 28.8
50 18.8 14.9 22.3

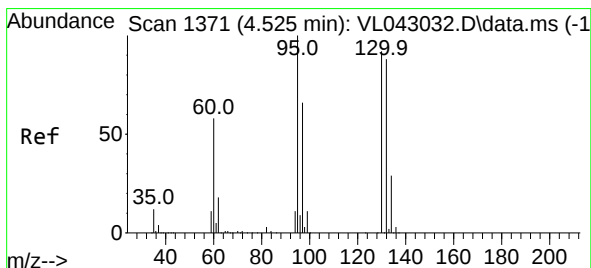
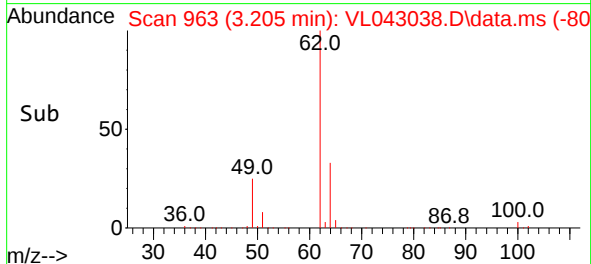
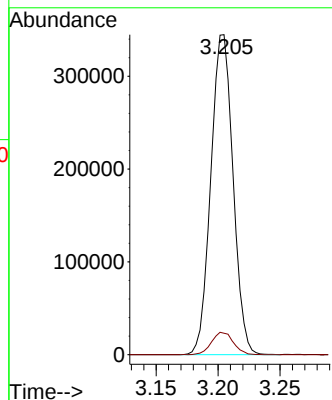
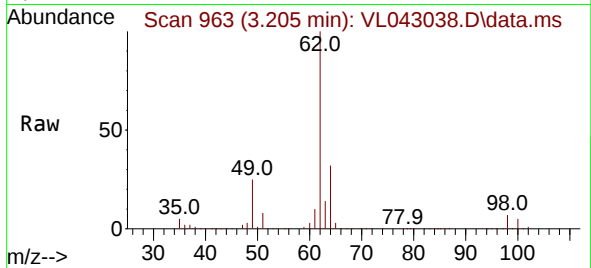




#37
1,2-Dichloroethane
Concen: 14.619 ppbv
RT: 3.205 min Scan# 962
Delta R.T. 0.003 min
Lab File: VL043038.D
Acq: 02 Oct 2025 13:41

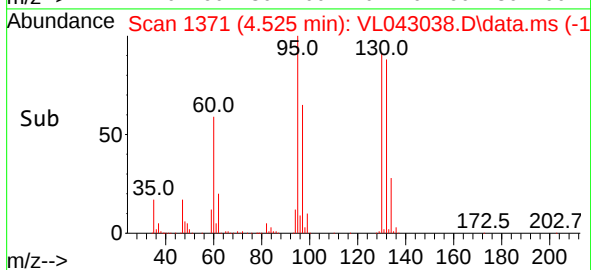
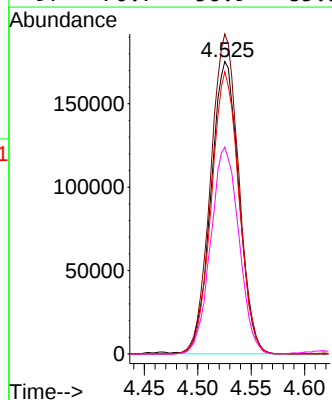
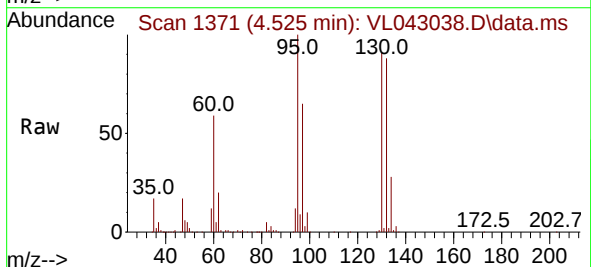
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

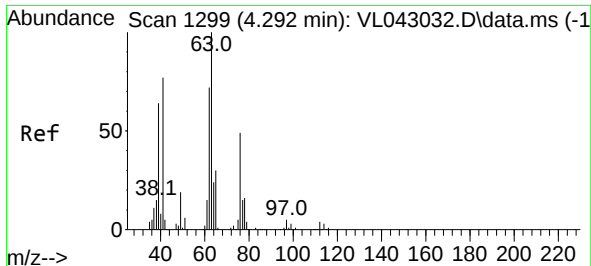
Tgt Ion: 62 Resp: 431043
Ion Ratio Lower Upper
62 100
98 6.9 5.6 8.4



#38
Trichloroethene
Concen: 15.319 ppbv
RT: 4.525 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VL043038.D
Acq: 02 Oct 2025 13:41

Tgt Ion:130 Resp: 317772
Ion Ratio Lower Upper
130 100
95 109.3 86.4 129.6
132 96.5 75.7 113.5
97 70.7 56.9 85.3





#39

1,2-Dichloropropane

Concen: 14.617 ppbv

RT: 4.289 min Scan# 1299

Delta R.T. -0.003 min

Lab File: VL043038.D

Acq: 02 Oct 2025 13:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

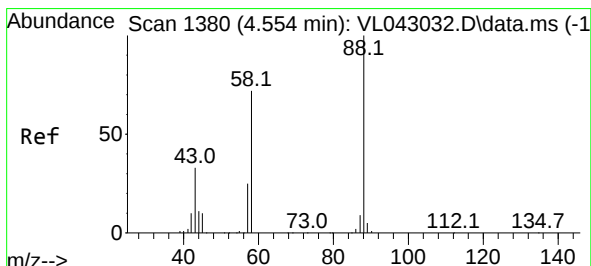
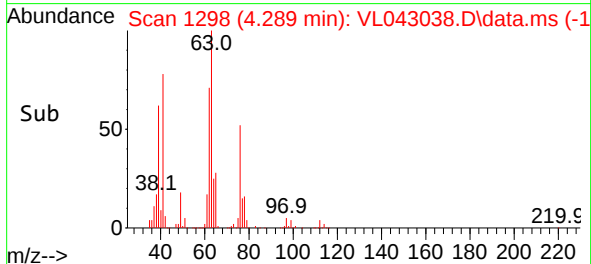
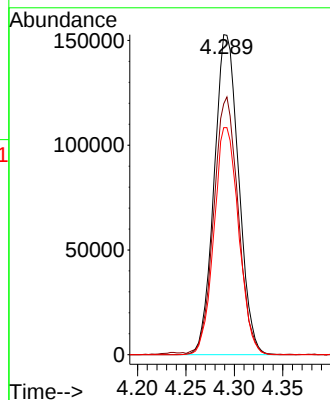
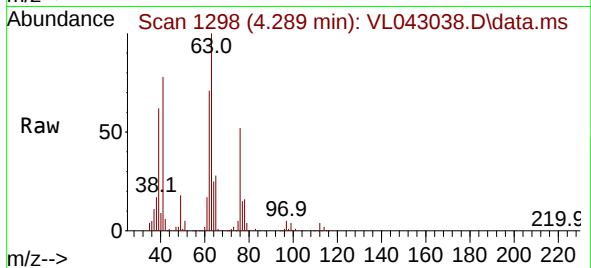
Tgt Ion: 63 Resp: 269729

Ion Ratio Lower Upper

63 100

41 78.2 61.6 92.4

62 70.9 58.1 87.1



#40

1,4-Dioxane

Concen: 15.173 ppbv

RT: 4.554 min Scan# 1380

Delta R.T. 0.000 min

Lab File: VL043038.D

Acq: 02 Oct 2025 13:41

Tgt Ion: 88 Resp: 120237

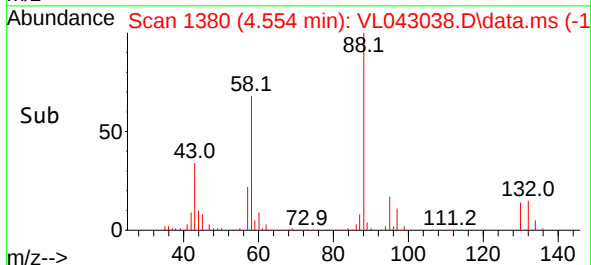
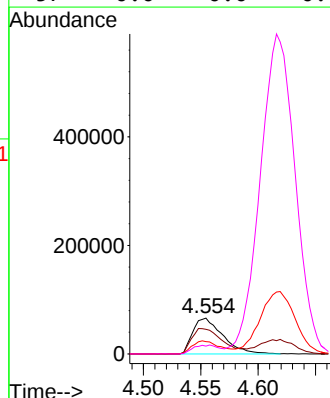
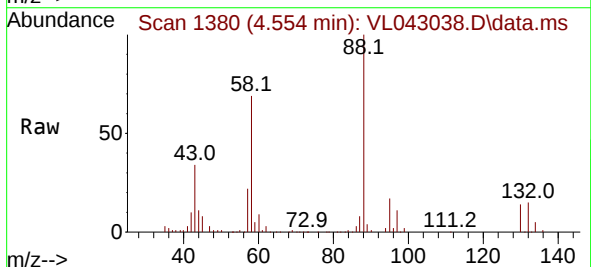
Ion Ratio Lower Upper

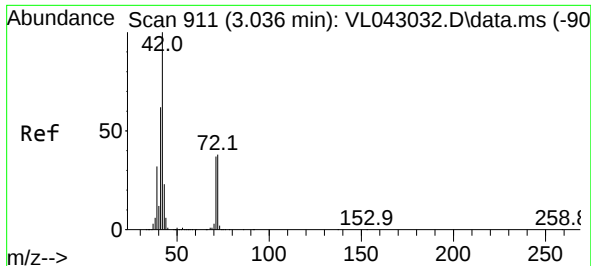
88 100

58 73.6 56.2 84.2

43 35.4 25.7 38.5

57 0.0 0.0 0.0





#41

Tetrahydrofuran

Concen: 16.155 ppbv

RT: 3.036 min Scan# 911

Delta R.T. 0.000 min

Lab File: VL043038.D

Acq: 02 Oct 2025 13:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

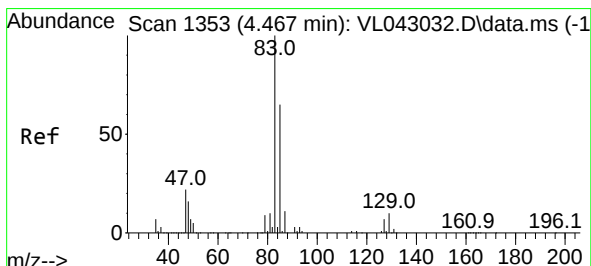
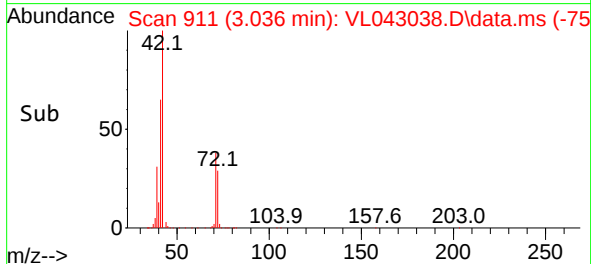
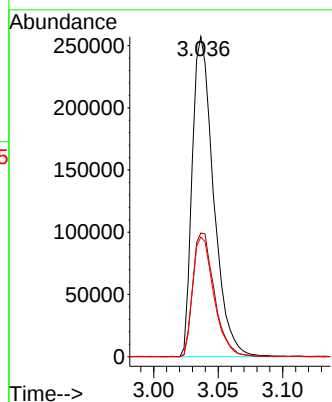
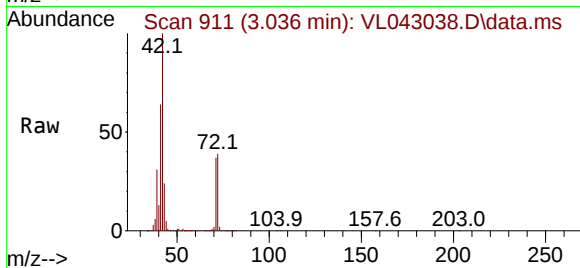
Tgt Ion: 42 Resp: 295205

Ion Ratio Lower Upper

42 100

72 39.3 31.0 46.6

71 37.2 29.8 44.6



#42

Bromodichloromethane

Concen: 14.890 ppbv

RT: 4.464 min Scan# 1352

Delta R.T. -0.003 min

Lab File: VL043038.D

Acq: 02 Oct 2025 13:41

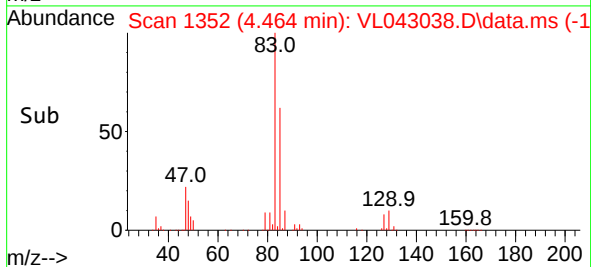
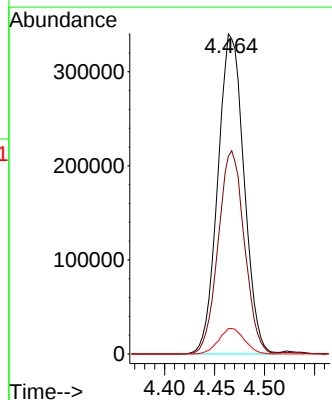
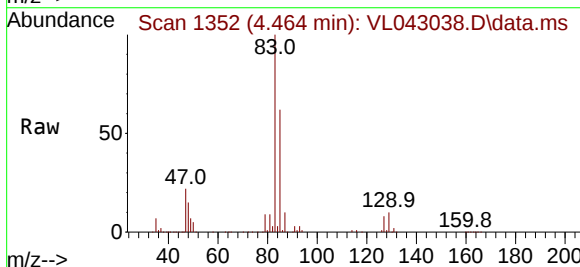
Tgt Ion: 83 Resp: 619944

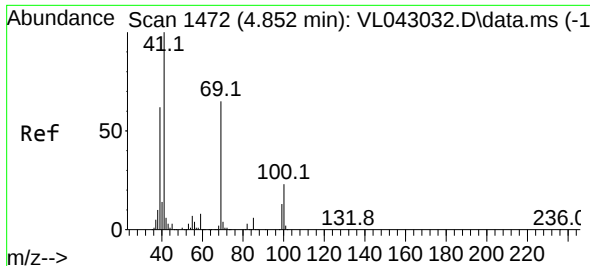
Ion Ratio Lower Upper

83 100

85 61.8 51.8 77.8

127 8.0 5.9 8.9

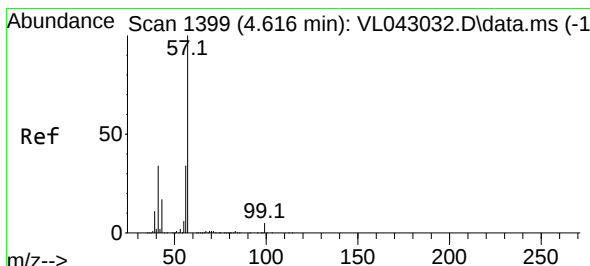
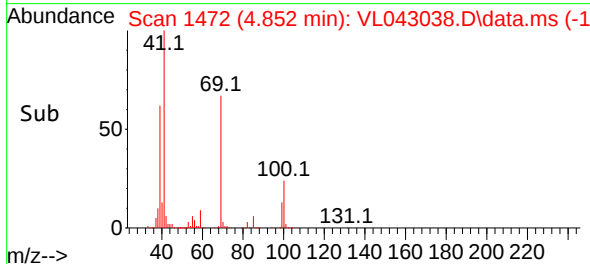
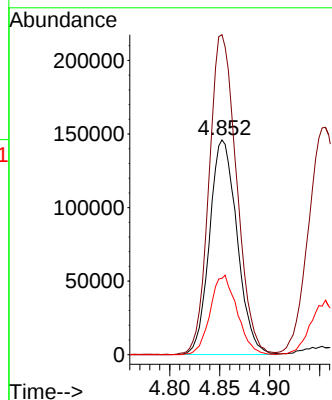
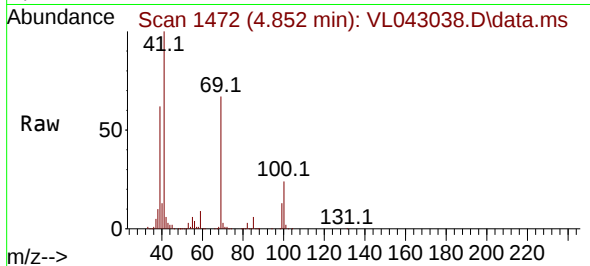




#43
Methyl Methacrylate
Concen: 16.923 ppbv
RT: 4.852 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VL043038.D
Acq: 02 Oct 2025 13:41

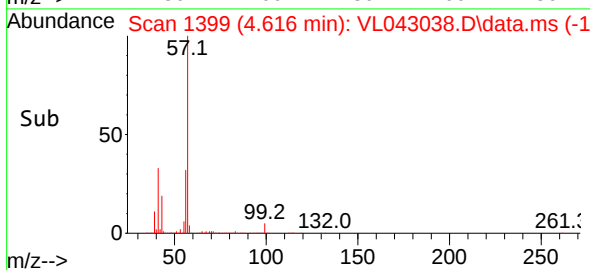
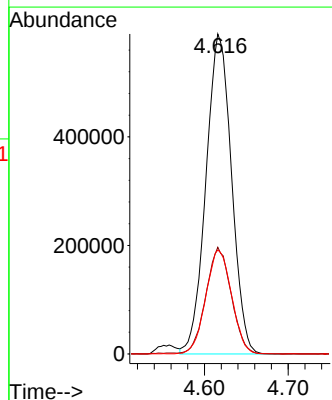
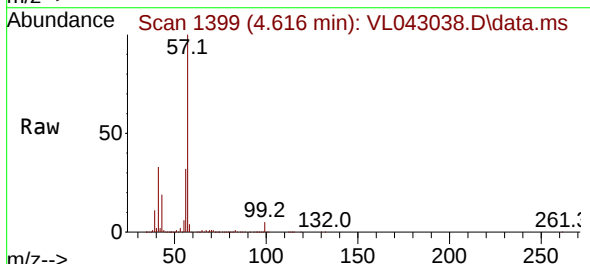
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC015

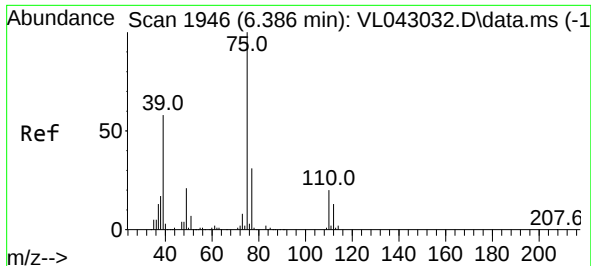
Tgt Ion: 69 Resp: 279674
Ion Ratio Lower Upper
69 100
41 149.0 118.0 177.0
100 36.2 28.3 42.5



#44
2,2,4-Trimethylpentane
Concen: 15.661 ppbv
RT: 4.616 min Scan# 1399
Delta R.T. 0.000 min
Lab File: VL043038.D
Acq: 02 Oct 2025 13:41

Tgt Ion: 57 Resp: 1251093
Ion Ratio Lower Upper
57 100
41 33.3 27.0 40.4
56 32.8 26.0 39.0





#45

t-1,3-Dichloropropene

Concen: 16.802 ppbv

RT: 6.386 min Scan# 1946

Delta R.T. 0.000 min

Lab File: VL043038.D

Acq: 02 Oct 2025 13:41

Instrument :

MSVOA_L

ClientSampleId :

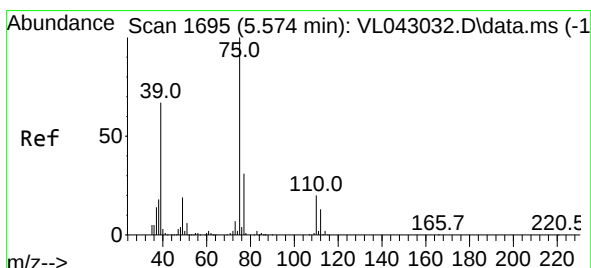
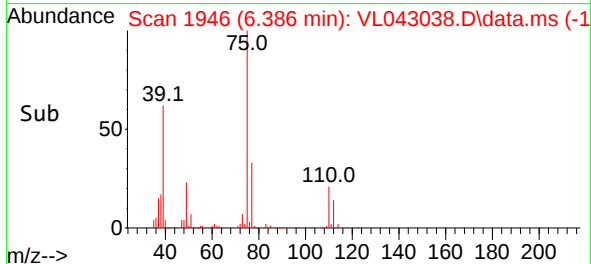
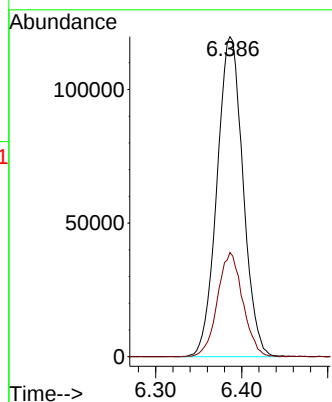
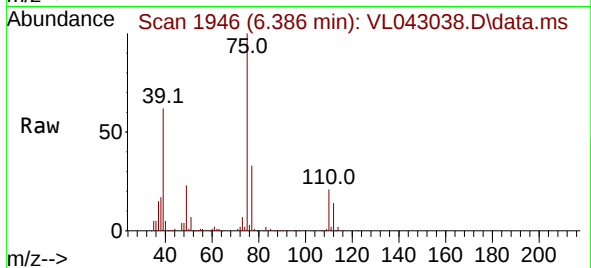
VSTDIC015

Tgt Ion: 75 Resp: 251549

Ion Ratio Lower Upper

75 100

77 32.6 24.7 37.1



#46

cis-1,3-Dichloropropene

Concen: 16.515 ppbv

RT: 5.571 min Scan# 1694

Delta R.T. -0.003 min

Lab File: VL043038.D

Acq: 02 Oct 2025 13:41

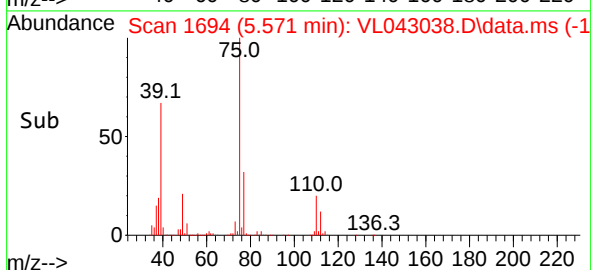
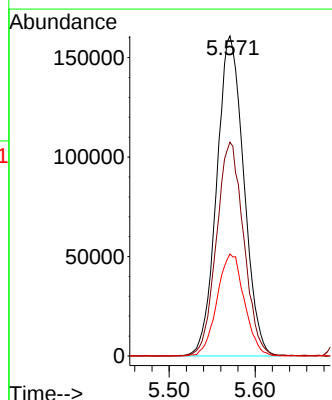
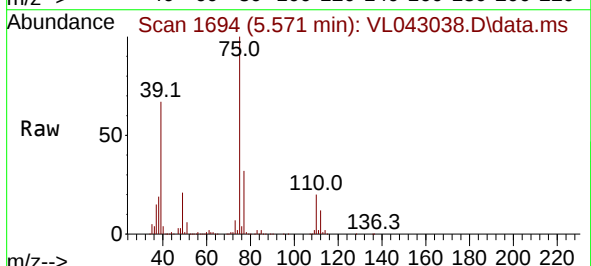
Tgt Ion: 75 Resp: 351325

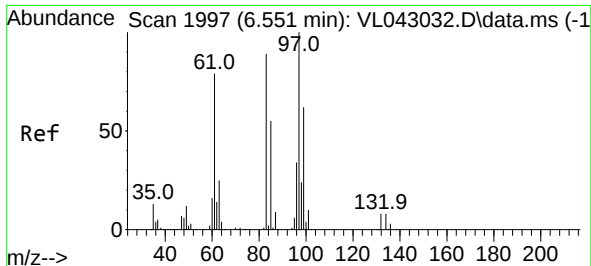
Ion Ratio Lower Upper

75 100

39 66.6 53.4 80.0

77 31.8 25.0 37.4





#47

1,1,2-Trichloroethane

Concen: 14.428 ppbv

RT: 6.555 min Scan# 1997

Delta R.T. 0.003 min

Lab File: VL043038.D

Acq: 02 Oct 2025 13:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 97 Resp: 296142

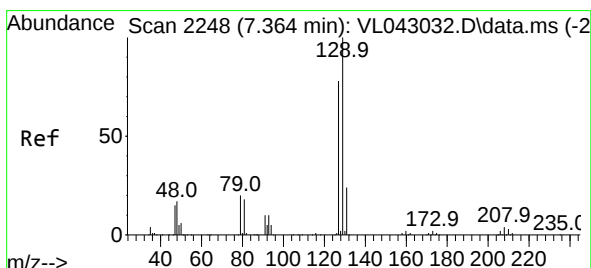
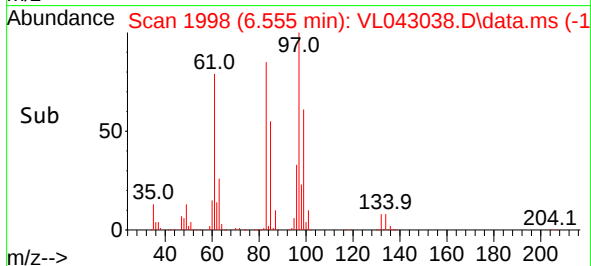
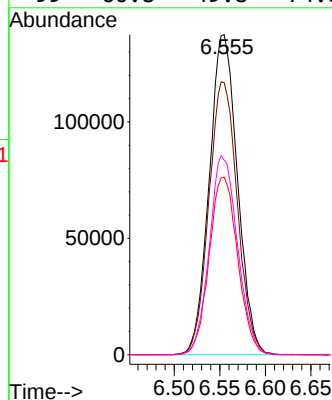
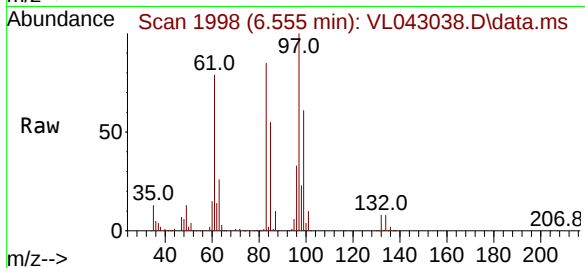
Ion Ratio Lower Upper

97 100

83 84.9 71.1 106.7

85 55.4 44.3 66.5

99 60.8 49.8 74.8



#48

Dibromochloromethane

Concen: 15.290 ppbv

RT: 7.364 min Scan# 2248

Delta R.T. 0.000 min

Lab File: VL043038.D

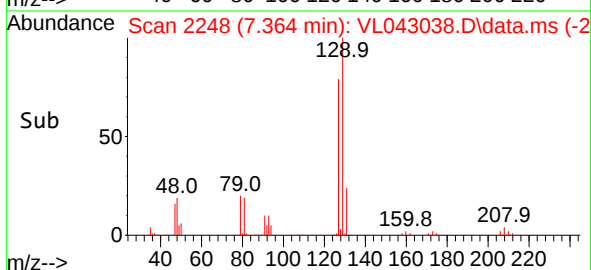
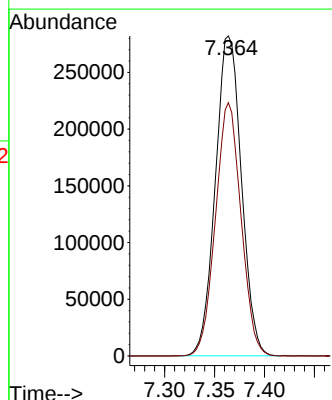
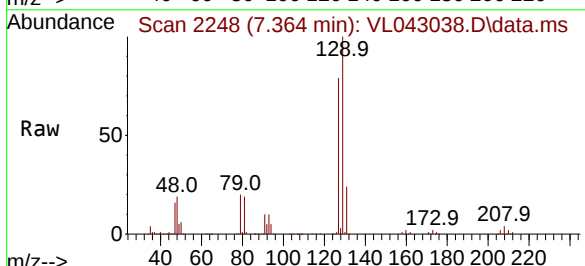
Acq: 02 Oct 2025 13:41

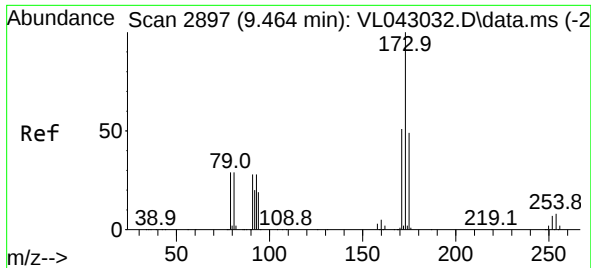
Tgt Ion: 129 Resp: 512219

Ion Ratio Lower Upper

129 100

127 77.6 38.6 116.0

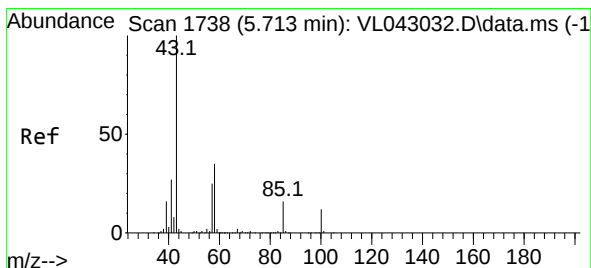
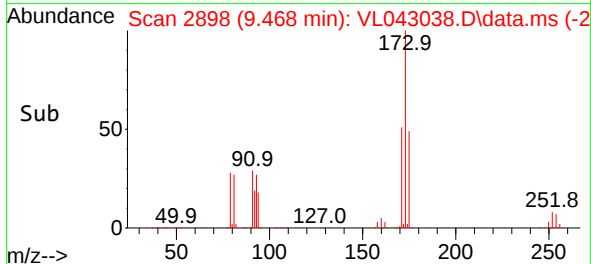
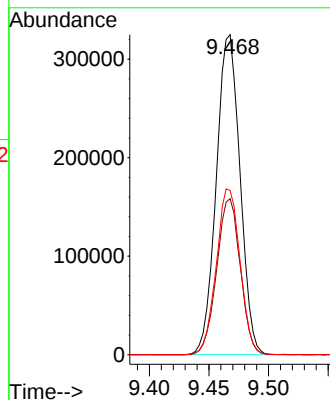
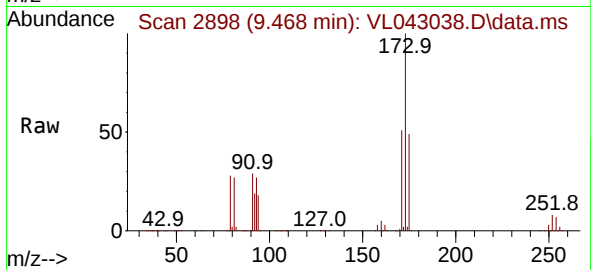




#49
Bromoform
Concen: 16.072 ppbv
RT: 9.468 min Scan# 21
Delta R.T. 0.004 min
Lab File: VL043038.D
Acq: 02 Oct 2025 13:41

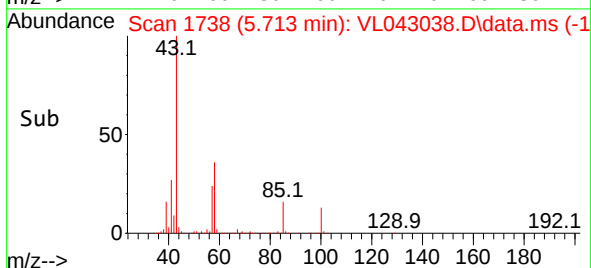
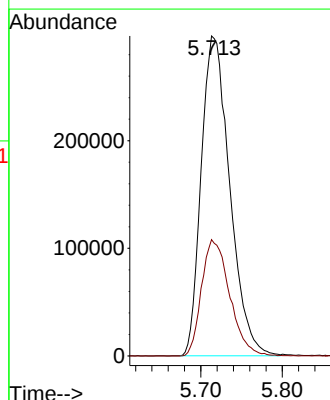
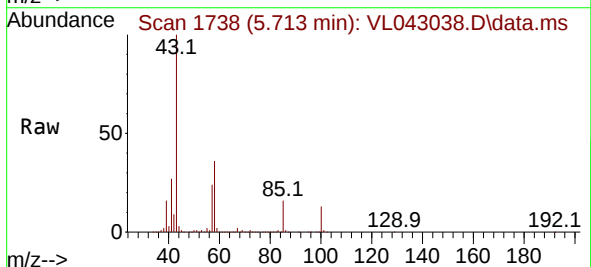
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

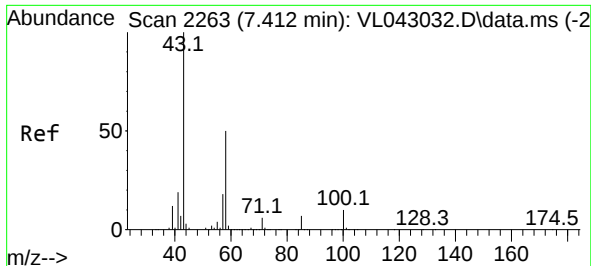
Tgt Ion:173 Resp: 449641
Ion Ratio Lower Upper
173 100
175 48.5 39.1 58.7
171 51.9 41.4 62.2



#50
4-Methyl-2-Pentanone
Concen: 16.786 ppbv
RT: 5.713 min Scan# 1738
Delta R.T. 0.000 min
Lab File: VL043038.D
Acq: 02 Oct 2025 13:41

Tgt Ion: 43 Resp: 723710
Ion Ratio Lower Upper
43 100
58 35.8 28.7 43.1

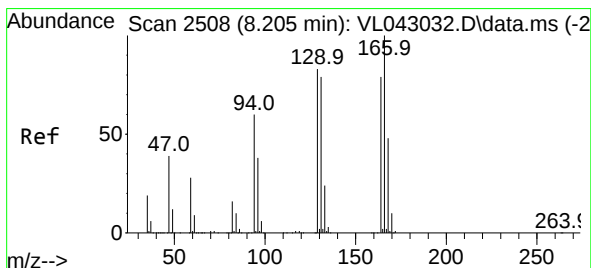
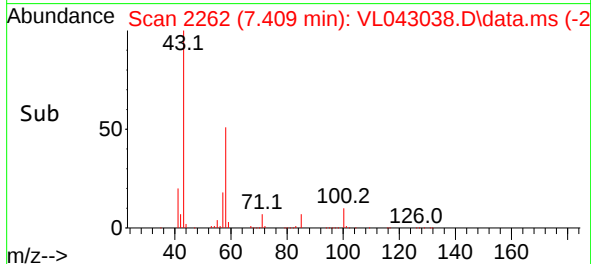
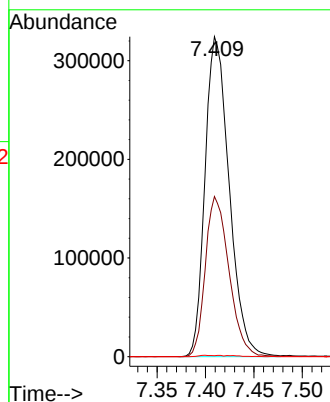
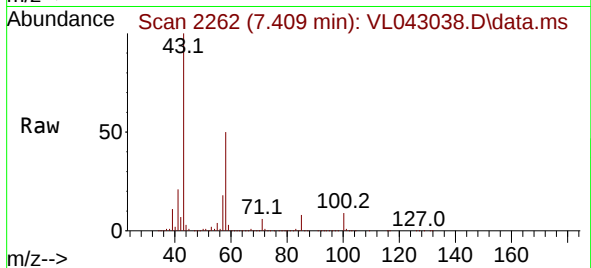




#51
2-Hexanone
Concen: 18.407 ppbv
RT: 7.409 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL043038.D
Acq: 02 Oct 2025 13:41

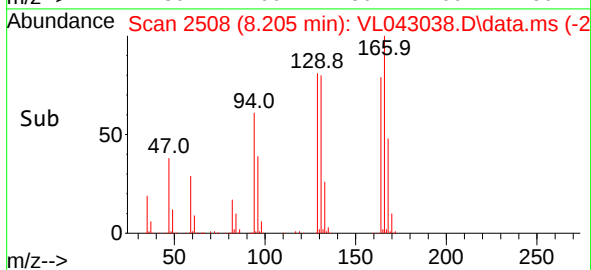
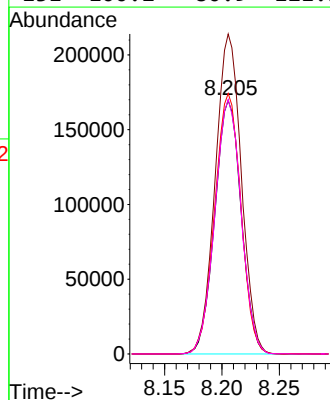
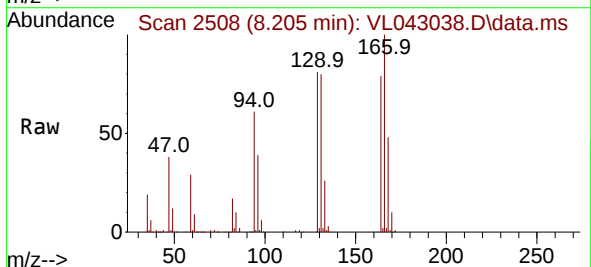
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

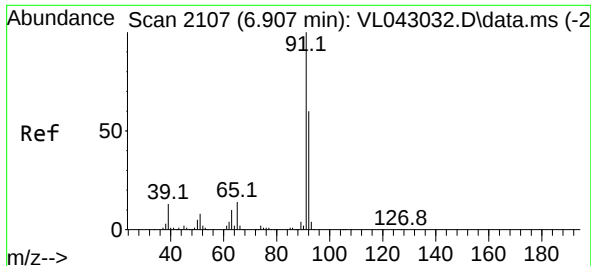
Tgt Ion: 43 Resp: 562773
Ion Ratio Lower Upper
43 100
58 49.2 39.1 58.7
98 0.6 0.5 0.7



#52
Tetrachloroethene
Concen: 14.575 ppbv
RT: 8.205 min Scan# 2508
Delta R.T. 0.000 min
Lab File: VL043038.D
Acq: 02 Oct 2025 13:41

Tgt Ion: 164 Resp: 270386
Ion Ratio Lower Upper
164 100
166 126.1 101.8 152.8
129 102.7 84.5 126.7
131 100.2 80.9 121.3

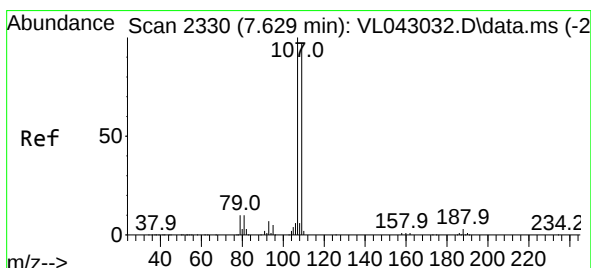
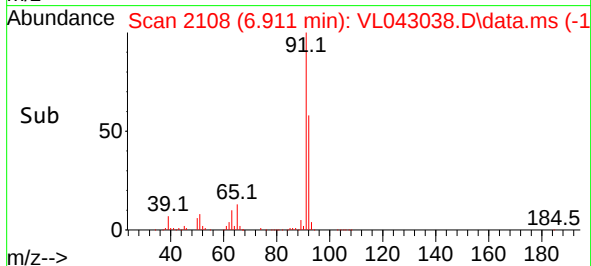
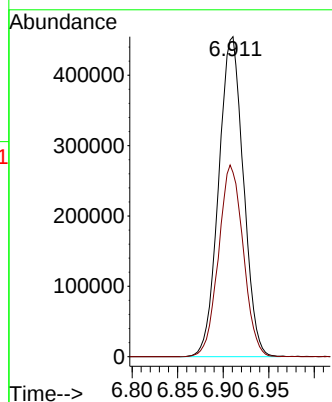
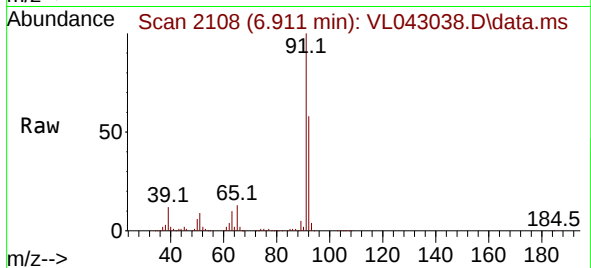




#53
Toluene
Concen: 17.085 ppbv
RT: 6.911 min Scan# 2108
Delta R.T. 0.003 min
Lab File: VL043038.D
Acq: 02 Oct 2025 13:41

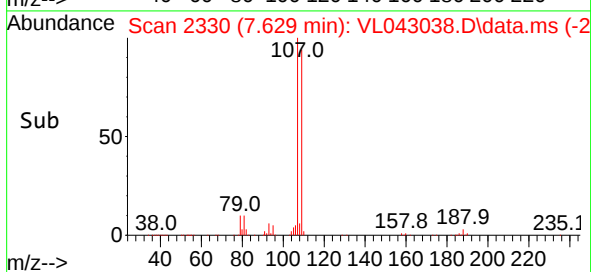
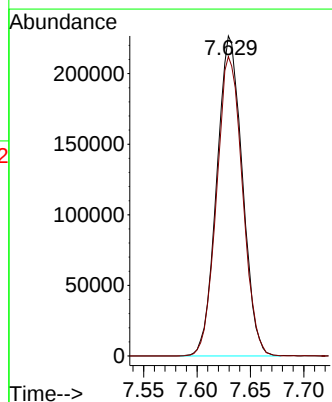
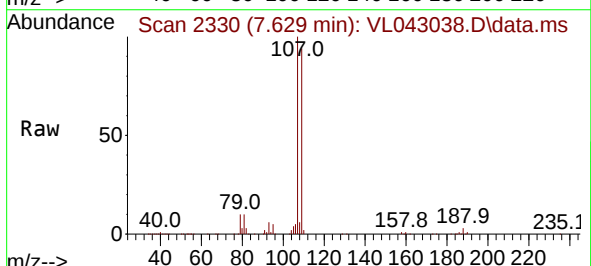
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

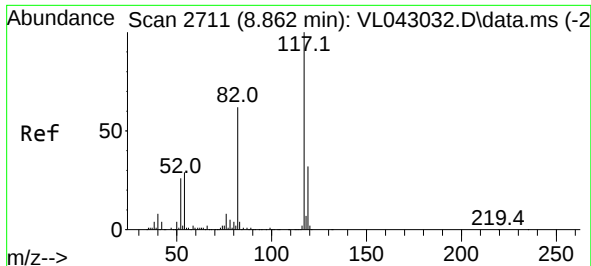
Tgt Ion: 91 Resp: 858713
Ion Ratio Lower Upper
91 100
92 59.8 47.8 71.6



#54
1,2-Dibromoethane
Concen: 15.546 ppbv
RT: 7.629 min Scan# 2330
Delta R.T. 0.000 min
Lab File: VL043038.D
Acq: 02 Oct 2025 13:41

Tgt Ion: 107 Resp: 378193
Ion Ratio Lower Upper
107 100
109 93.5 77.4 116.0

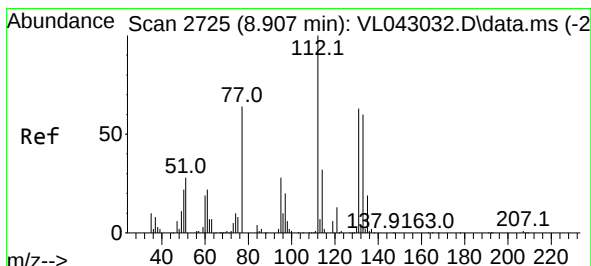
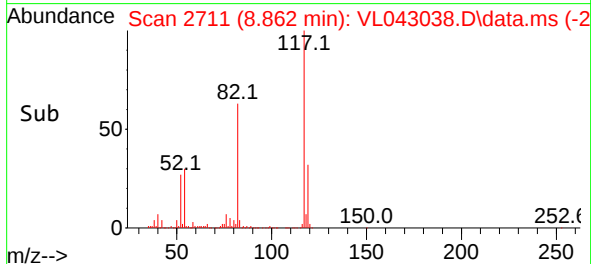
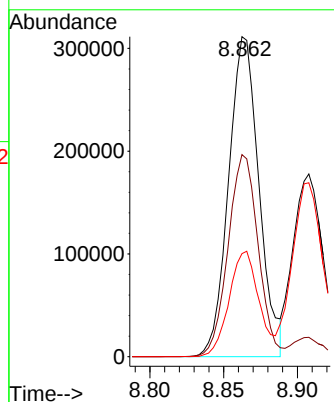
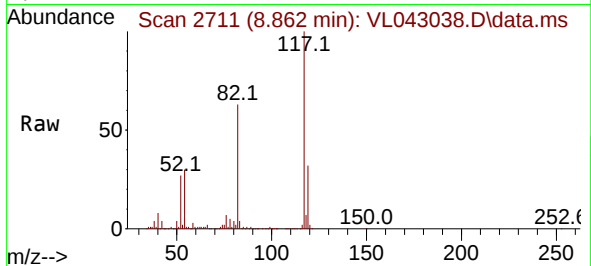




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.862 min Scan# 2711
Delta R.T. 0.000 min
Lab File: VL043038.D
Acq: 02 Oct 2025 13:41

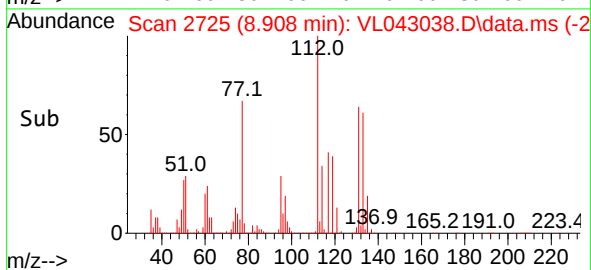
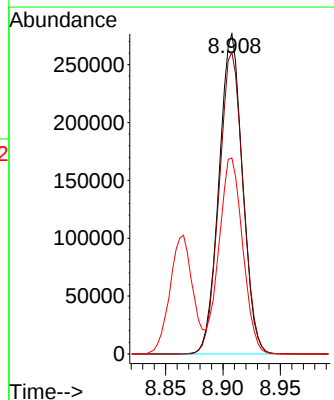
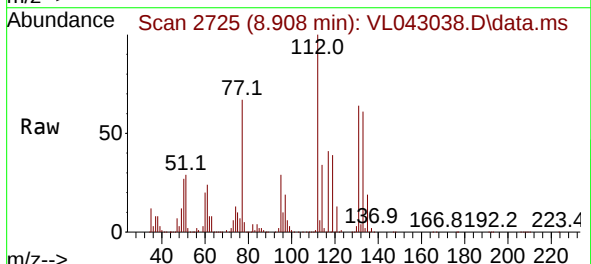
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC015

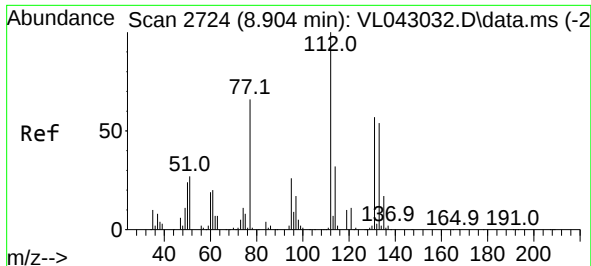
Tgt Ion:117 Resp: 446323
Ion Ratio Lower Upper
117 100
82 68.2 53.0 79.6
119 30.8 25.4 38.2



#56
1,1,1,2-Tetrachloroethane
Concen: 14.519 ppbv
RT: 8.908 min Scan# 2725
Delta R.T. 0.000 min
Lab File: VL043038.D
Acq: 02 Oct 2025 13:41

Tgt Ion:131 Resp: 394995
Ion Ratio Lower Upper
131 100
133 95.6 76.2 114.4
119 61.4 49.4 74.2

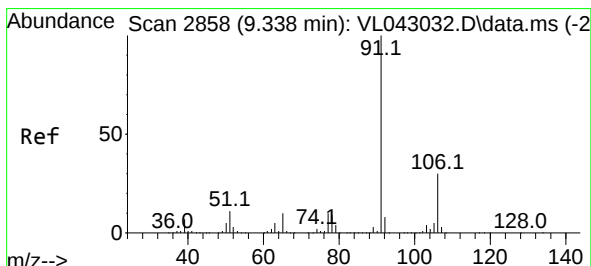
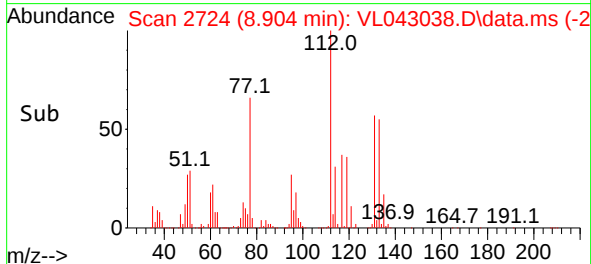
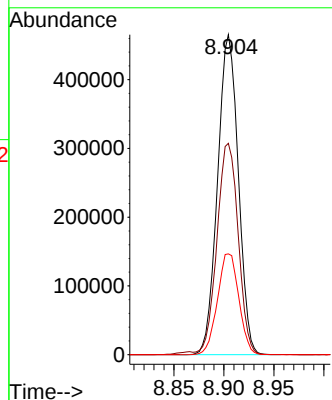
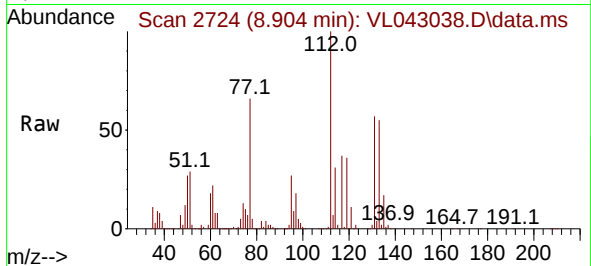




#57
Chlorobenzene
Concen: 14.220 ppbv
RT: 8.904 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL043038.D
Acq: 02 Oct 2025 13:41

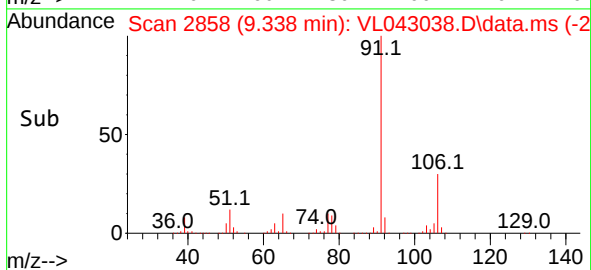
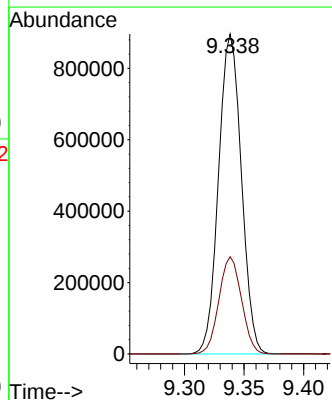
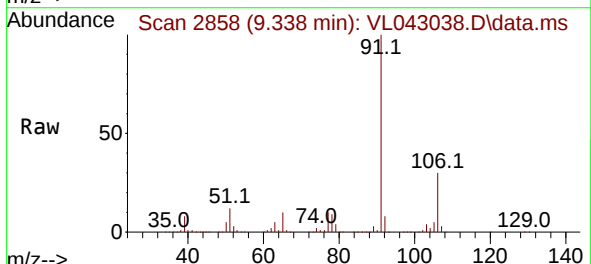
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC015

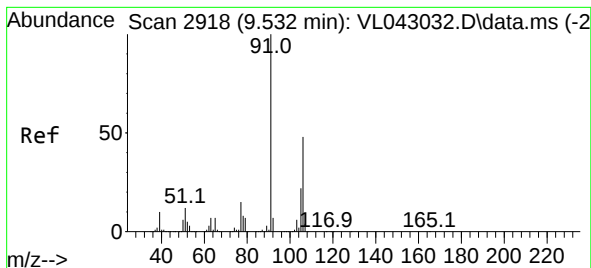
Tgt Ion:112 Resp: 670949
Ion Ratio Lower Upper
112 100
77 66.0 53.2 79.8
114 31.5 28.6 35.0



#58
Ethyl Benzene
Concen: 17.220 ppbv
RT: 9.338 min Scan# 2858
Delta R.T. 0.000 min
Lab File: VL043038.D
Acq: 02 Oct 2025 13:41

Tgt Ion: 91 Resp: 1190670
Ion Ratio Lower Upper
91 100
106 30.4 24.1 36.1





#59

m/p-Xylene

Concen: 15.463 ppbv

RT: 9.536 min Scan# 2918

Delta R.T. 0.004 min

Lab File: VL043038.D

Acq: 02 Oct 2025 13:41

Instrument :

MSVOA_L

ClientSampleId :

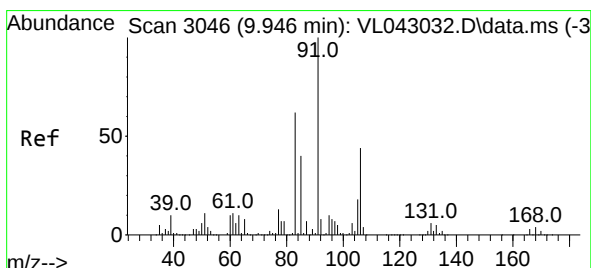
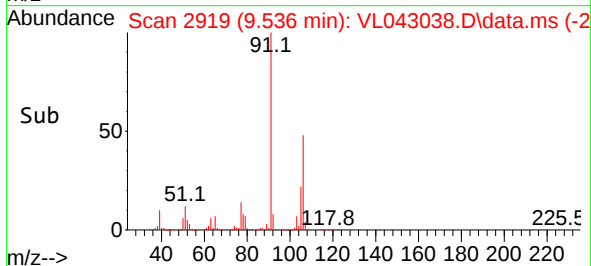
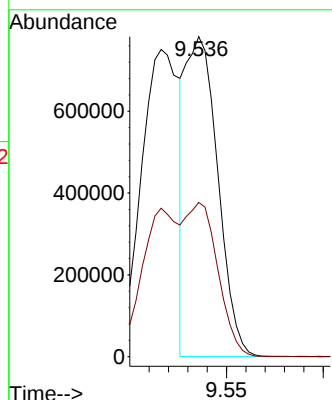
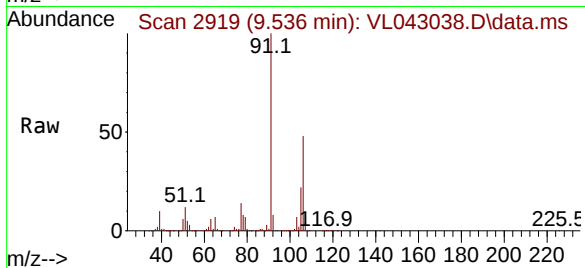
VSTDICC015

Tgt Ion: 91 Resp: 902175

Ion Ratio Lower Upper

91 100

106 102.0 37.5 56.3#



#60

o-Xylene

Concen: 16.688 ppbv

RT: 9.947 min Scan# 3046

Delta R.T. 0.000 min

Lab File: VL043038.D

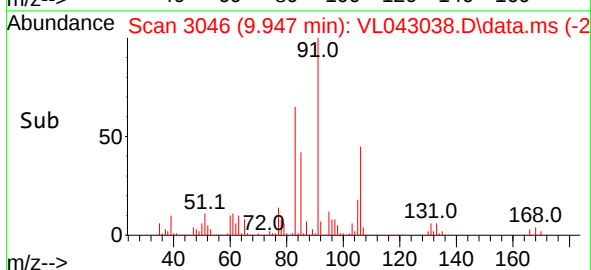
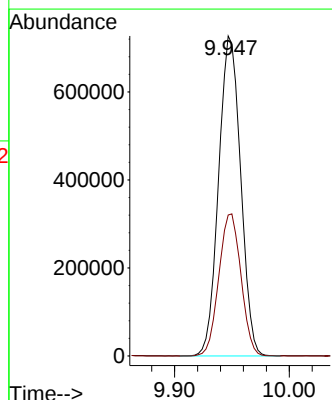
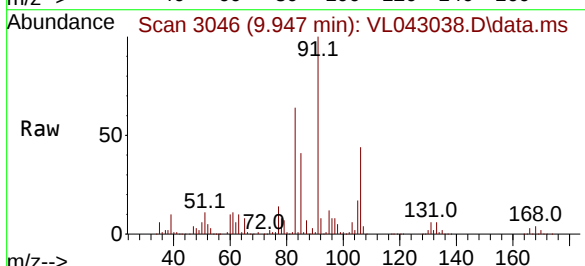
Acq: 02 Oct 2025 13:41

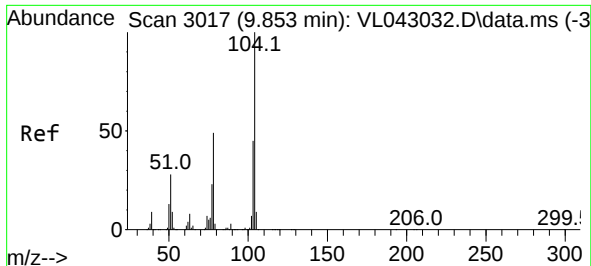
Tgt Ion: 91 Resp: 969480

Ion Ratio Lower Upper

91 100

106 44.6 21.9 65.5

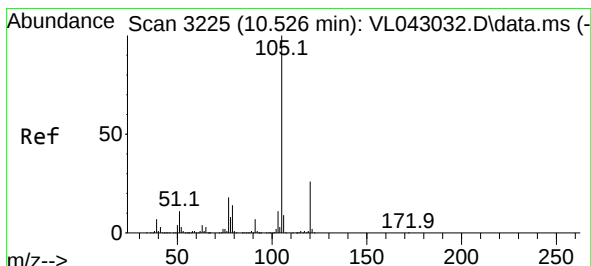
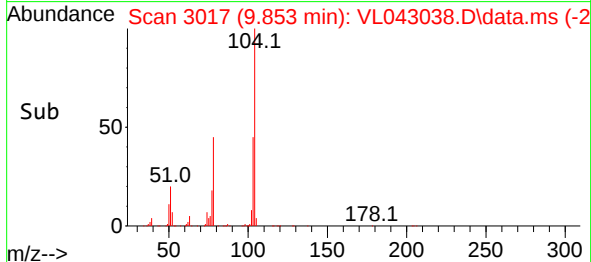
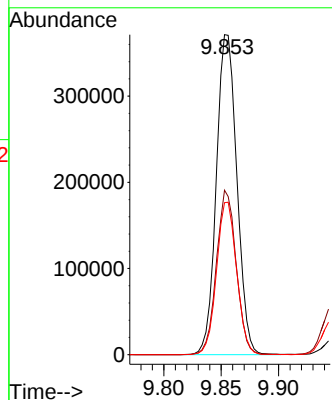
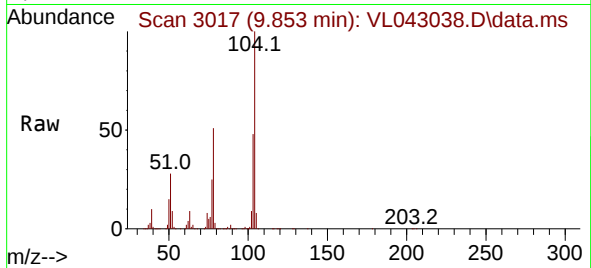




#61
Styrene
Concen: 19.017 ppbv
RT: 9.853 min Scan# 3017
Delta R.T. 0.000 min
Lab File: VL043038.D
Acq: 02 Oct 2025 13:41

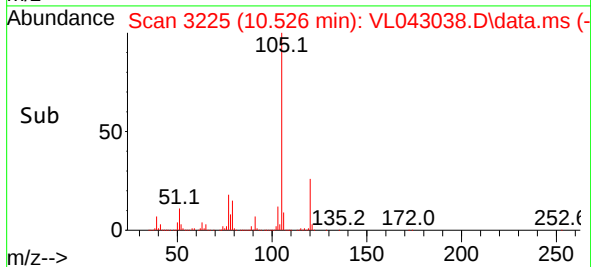
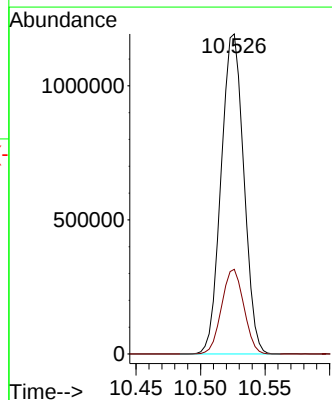
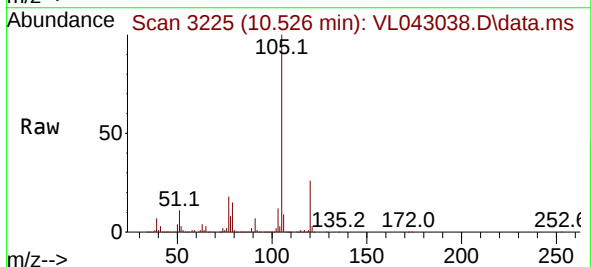
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

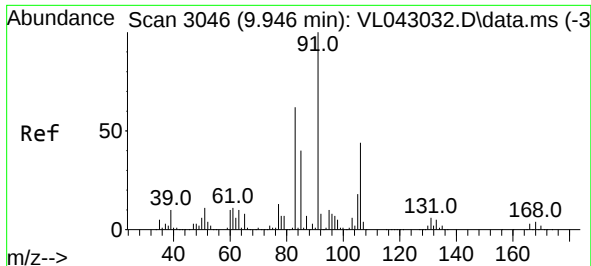
Tgt Ion:104 Resp: 462847
Ion Ratio Lower Upper
104 100
78 49.4 39.7 59.5
103 46.7 37.6 56.4



#62
Isopropylbenzene
Concen: 16.324 ppbv
RT: 10.526 min Scan# 3225
Delta R.T. 0.000 min
Lab File: VL043038.D
Acq: 02 Oct 2025 13:41

Tgt Ion:105 Resp: 1455778
Ion Ratio Lower Upper
105 100
120 25.9 20.6 31.0

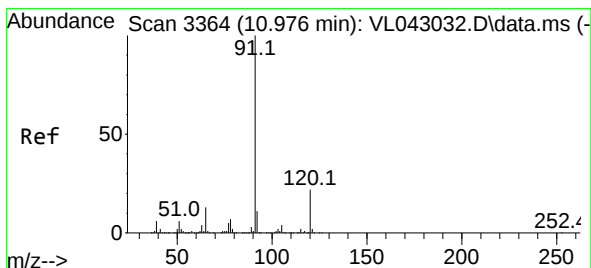
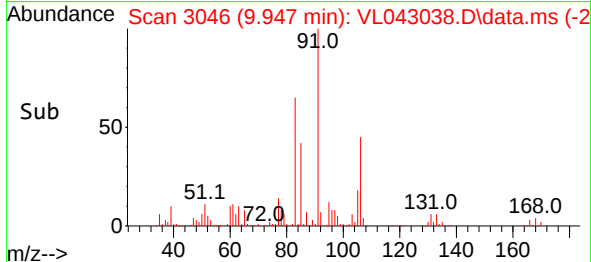
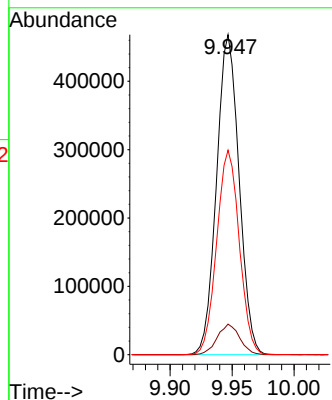
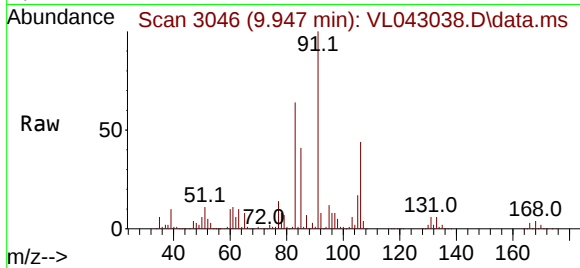




#63
1,1,2,2-Tetrachloroethane
Concen: 14.167 ppbv
RT: 9.947 min Scan# 3046
Delta R.T. 0.000 min
Lab File: VL043038.D
Acq: 02 Oct 2025 13:41

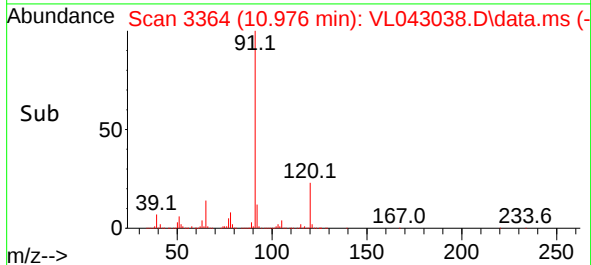
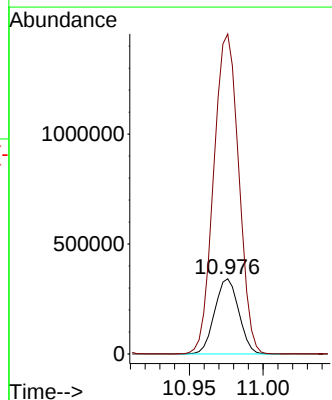
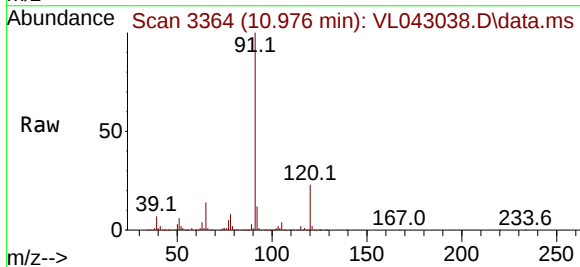
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

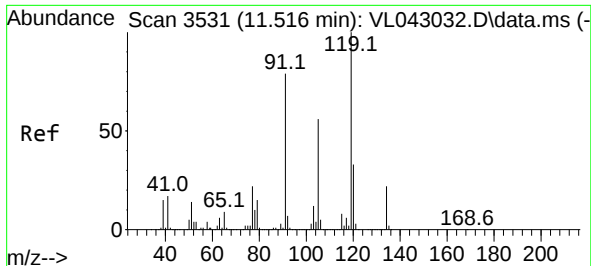
Tgt Ion: 83 Resp: 593157
Ion Ratio Lower Upper
83 100
131 9.5 4.7 14.1
85 64.0 32.0 96.2



#64
n-propylbenzene
Concen: 16.991 ppbv
RT: 10.976 min Scan# 3364
Delta R.T. 0.000 min
Lab File: VL043038.D
Acq: 02 Oct 2025 13:41

Tgt Ion: 120 Resp: 387627
Ion Ratio Lower Upper
120 100
91 444.8 367.0 550.4

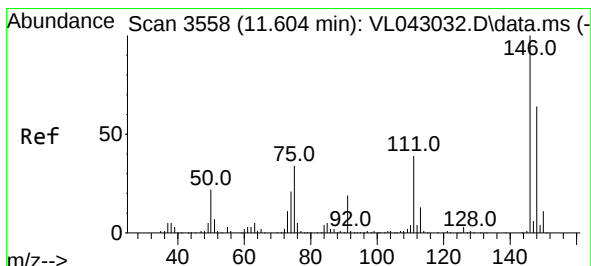
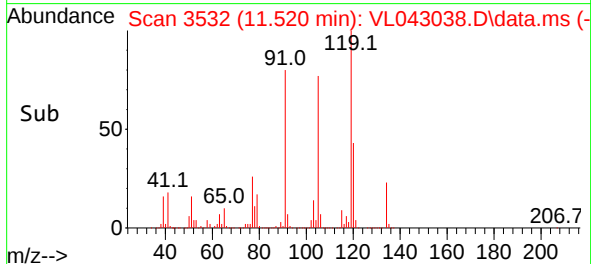
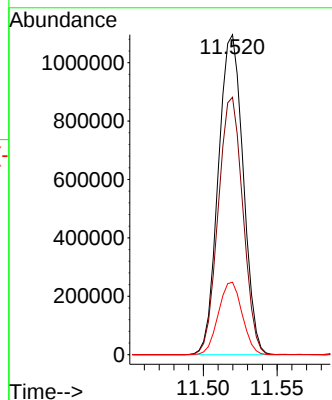
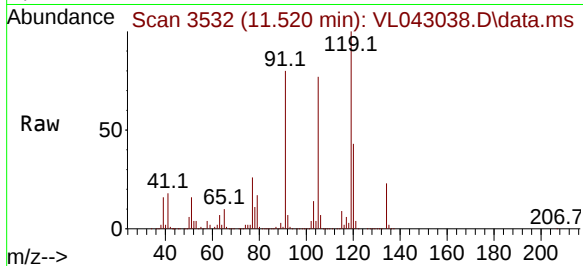




#65
tert-Butylbenzene
Concen: 16.175 ppbv
RT: 11.520 min Scan# 3532
Delta R.T. 0.004 min
Lab File: VL043038.D
Acq: 02 Oct 2025 13:41

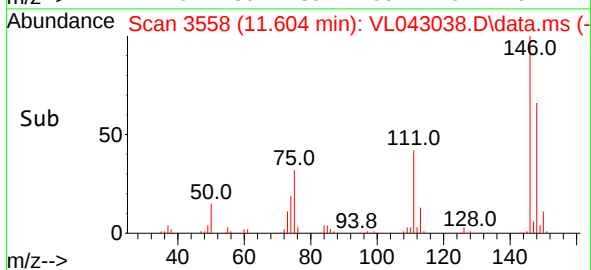
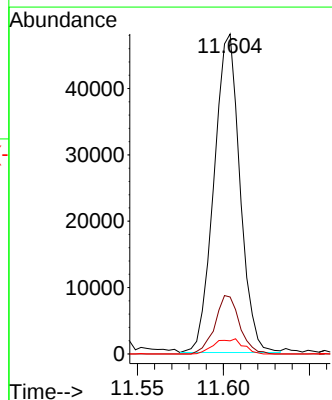
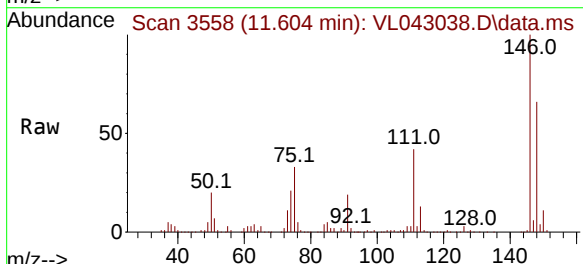
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

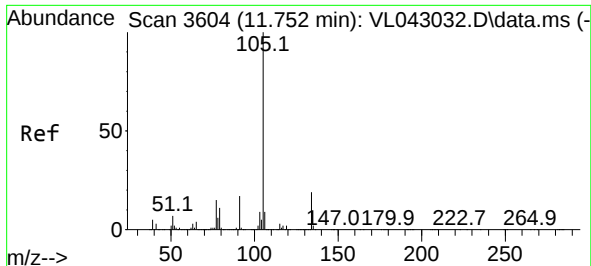
Tgt Ion:119 Resp: 1283802
Ion Ratio Lower Upper
119 100
91 79.8 63.1 94.7
134 21.7 16.9 25.3



#66
Benzyl Chloride
Concen: 16.394 ppbv
RT: 11.604 min Scan# 3558
Delta R.T. 0.000 min
Lab File: VL043038.D
Acq: 02 Oct 2025 13:41

Tgt Ion: 91 Resp: 50421
Ion Ratio Lower Upper
91 100
126 17.4 14.2 21.4
128 5.3 4.8 7.2





#67

sec-Butylbenzene

Concen: 15.875 ppbv

RT: 11.756 min Scan# 3174

Delta R.T. 0.003 min

Lab File: VL043038.D

Acq: 02 Oct 2025 13:41

Instrument :

MSVOA_L

ClientSampleId :

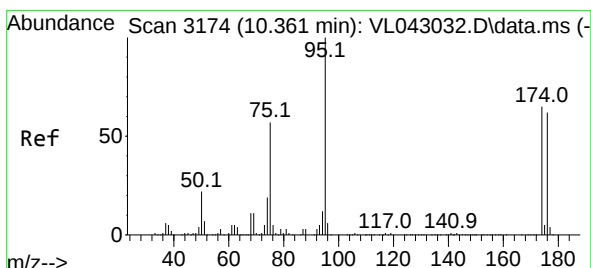
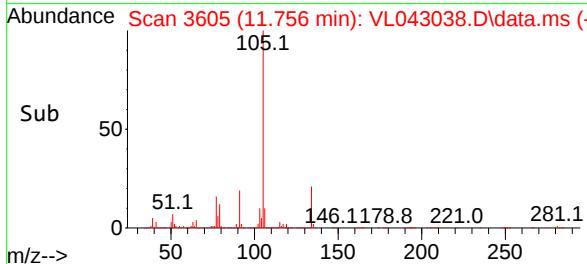
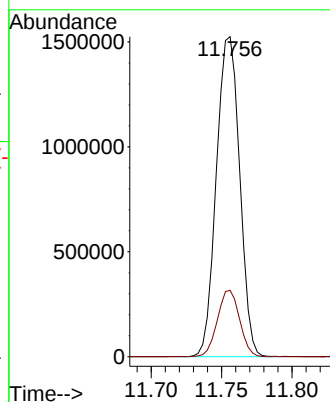
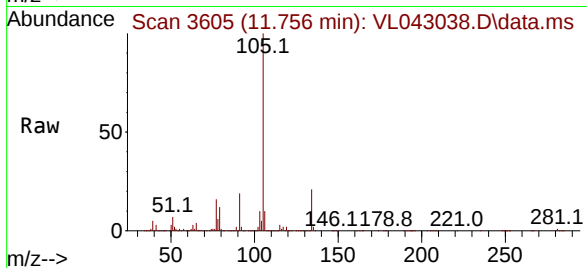
VSTDIC015

Tgt Ion:105 Resp: 1758282

Ion Ratio Lower Upper

105 100

134 19.8 15.2 22.8



#68

1-Bromo-4-Fluorobenzene

Concen: 10.318 ppbv

RT: 10.361 min Scan# 3174

Delta R.T. 0.000 min

Lab File: VL043038.D

Acq: 02 Oct 2025 13:41

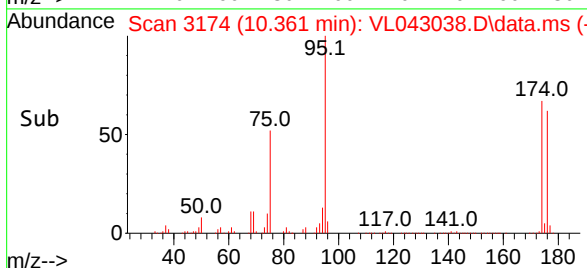
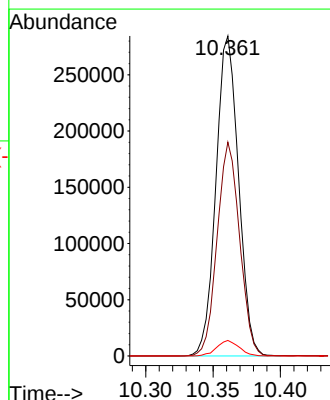
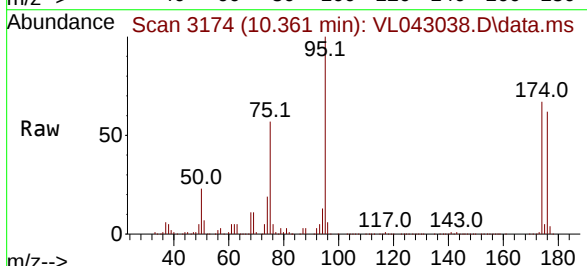
Tgt Ion: 95 Resp: 331763

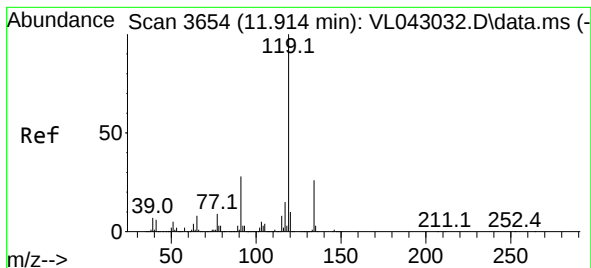
Ion Ratio Lower Upper

95 100

174 66.6 52.3 78.5

175 4.8 3.8 5.8

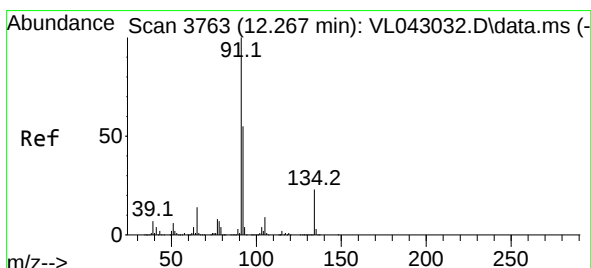
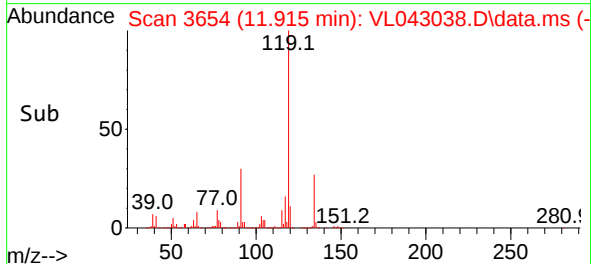
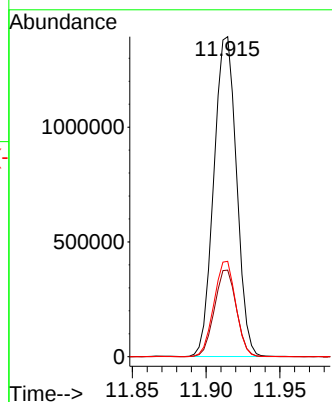
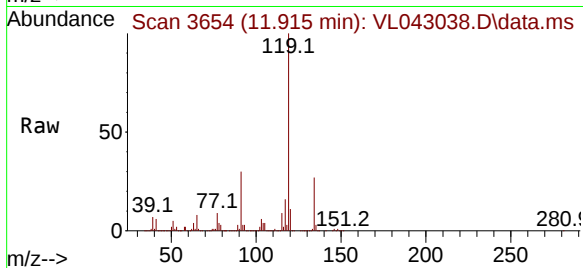




#69
 p-Isopropyltoluene
 Concen: 16.578 ppbv
 RT: 11.915 min Scan# 30
 Delta R.T. 0.000 min
 Lab File: VL043038.D
 Acq: 02 Oct 2025 13:41

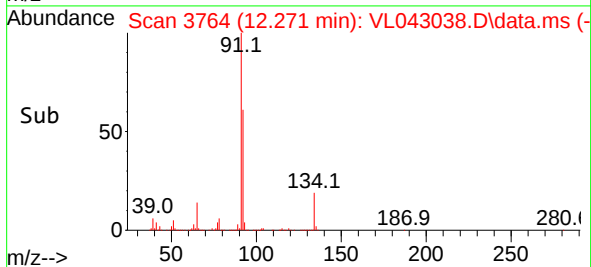
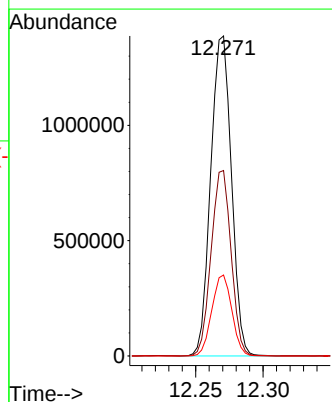
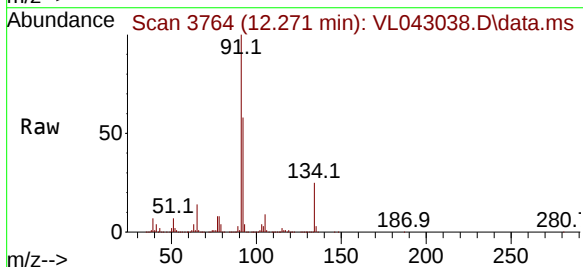
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

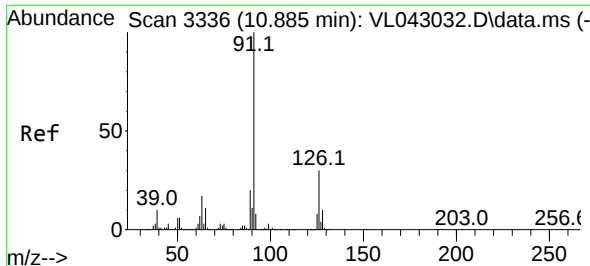
Tgt Ion:119 Resp: 1493674
 Ion Ratio Lower Upper
 119 100
 134 26.3 20.5 30.7
 91 28.8 22.6 33.8



#70
 n-Butylbenzene
 Concen: 17.067 ppbv
 RT: 12.271 min Scan# 3764
 Delta R.T. 0.004 min
 Lab File: VL043038.D
 Acq: 02 Oct 2025 13:41

Tgt Ion: 91 Resp: 1480662
 Ion Ratio Lower Upper
 91 100
 92 56.2 43.9 65.9
 134 24.5 18.9 28.3

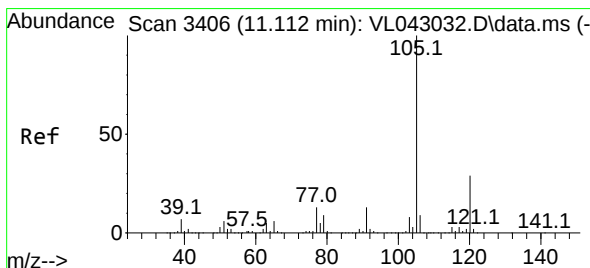
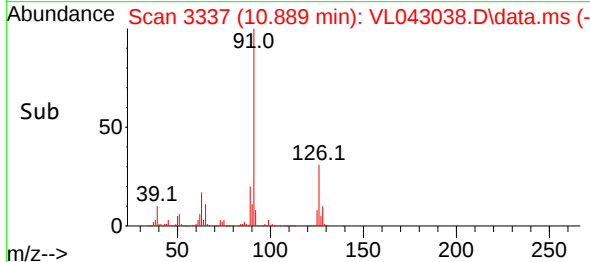
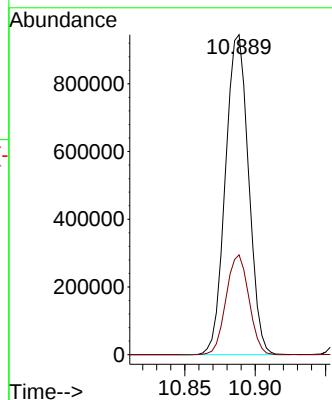
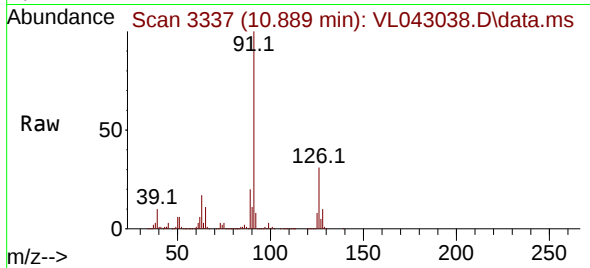




#71
2-Chlorotoluene
Concen: 16.819 ppbv
RT: 10.889 min Scan# 31
Delta R.T. 0.004 min
Lab File: VL043038.D
Acq: 02 Oct 2025 13:41

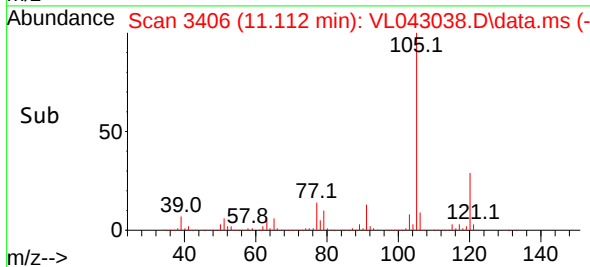
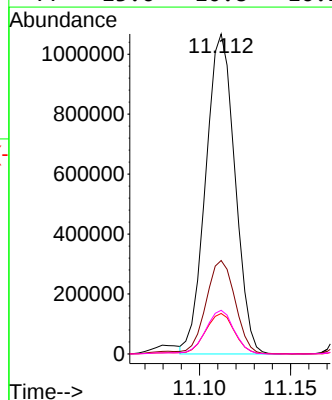
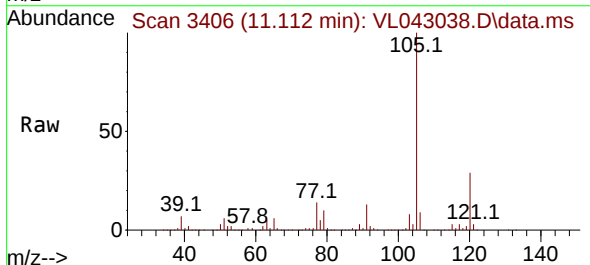
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

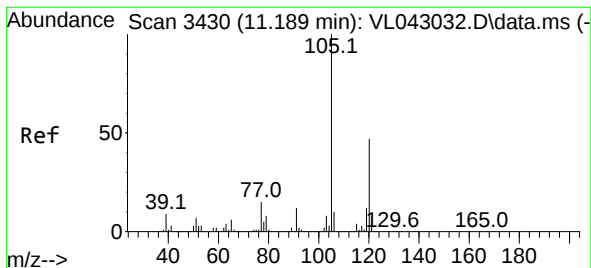
Tgt Ion: 91 Resp: 1085558
Ion Ratio Lower Upper
91 100
126 30.6 12.2 48.6



#72
4-Ethyltoluene
Concen: 17.218 ppbv
RT: 11.112 min Scan# 3406
Delta R.T. 0.000 min
Lab File: VL043038.D
Acq: 02 Oct 2025 13:41

Tgt Ion: 105 Resp: 1190551
Ion Ratio Lower Upper
105 100
120 29.9 23.5 35.3
91 13.0 10.4 15.6
77 13.6 10.8 16.2





#73

1,3,5-Trimethylbenzene

Concen: 16.745 ppbv

RT: 11.190 min Scan# 3430

Delta R.T. 0.000 min

Lab File: VL043038.D

Acq: 02 Oct 2025 13:41

Instrument :

MSVOA_L

ClientSampleId :

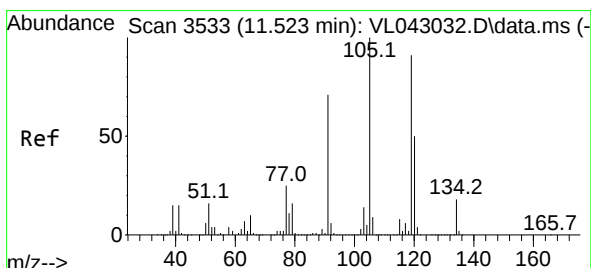
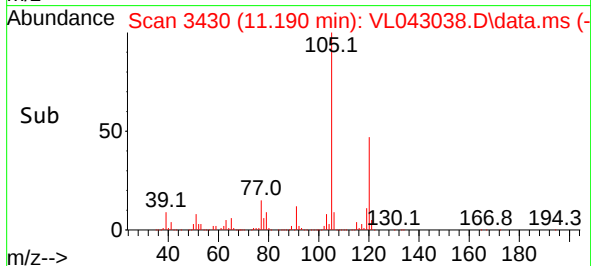
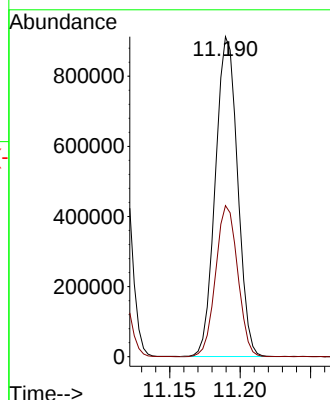
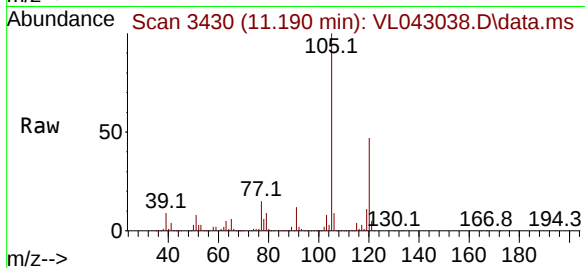
VSTDIC015

Tgt Ion:105 Resp: 1001678

Ion Ratio Lower Upper

105 100

120 47.2 37.5 56.3



#74

1,2,4-Trimethylbenzene

Concen: 16.160 ppbv

RT: 11.523 min Scan# 3533

Delta R.T. 0.000 min

Lab File: VL043038.D

Acq: 02 Oct 2025 13:41

Tgt Ion:105 Resp: 1091026

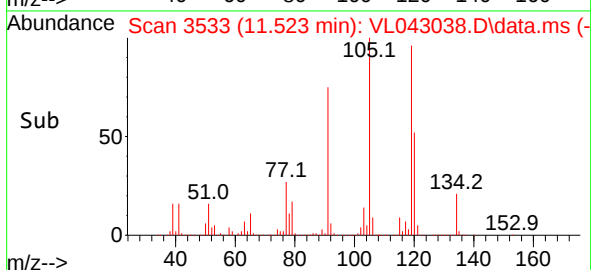
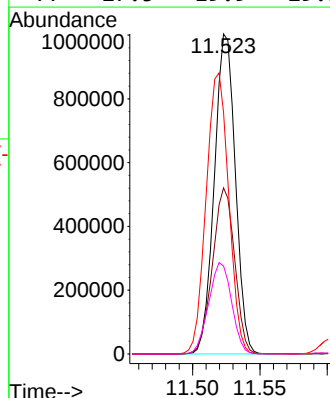
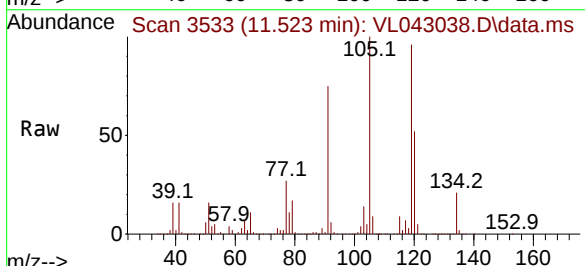
Ion Ratio Lower Upper

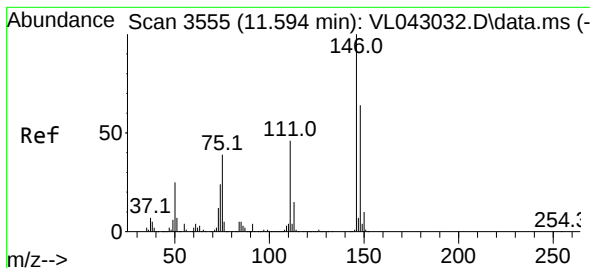
105 100

120 51.9 39.7 59.5

91 75.4 56.5 84.7

77 27.5 19.9 29.9





#75

1,3-Dichlorobenzene

Concen: 15.149 ppbv

RT: 11.594 min Scan# 3555

Delta R.T. 0.000 min

Lab File: VL043038.D

Acq: 02 Oct 2025 13:41

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC015

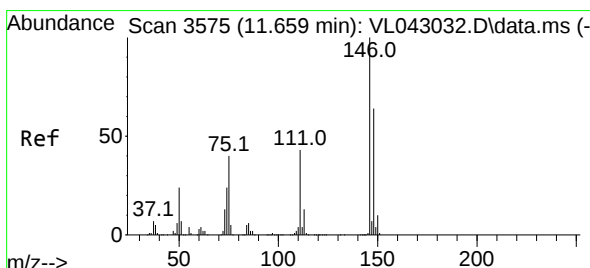
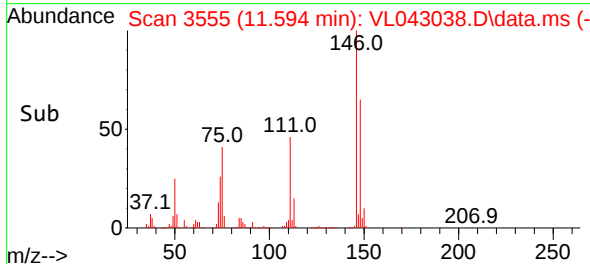
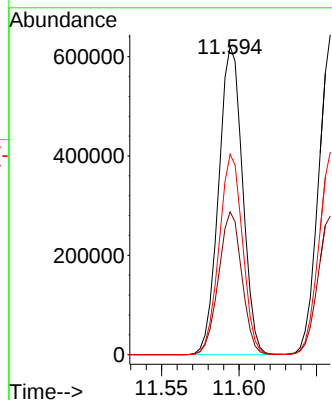
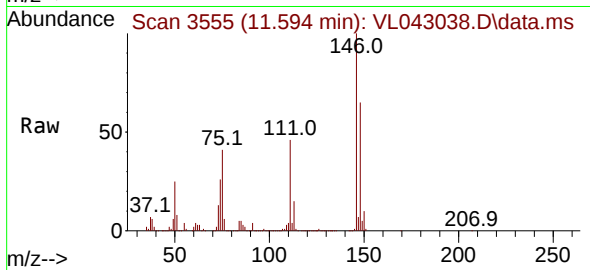
Tgt Ion:146 Resp: 665205

Ion Ratio Lower Upper

146 100

111 45.2 22.6 67.7

148 63.8 31.9 95.7



#76

1,4-Dichlorobenzene

Concen: 15.671 ppbv

RT: 11.659 min Scan# 3575

Delta R.T. 0.000 min

Lab File: VL043038.D

Acq: 02 Oct 2025 13:41

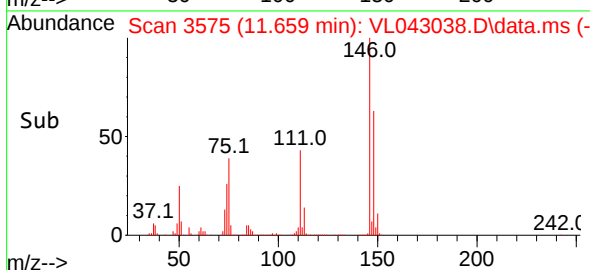
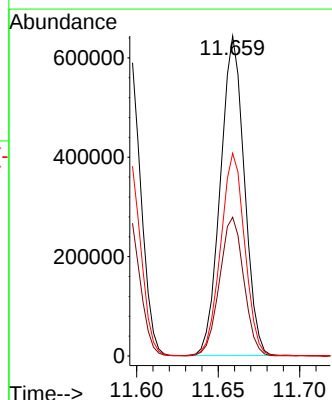
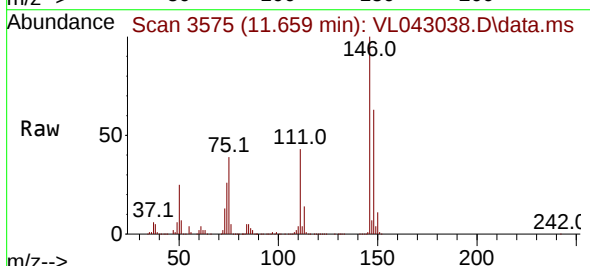
Tgt Ion:146 Resp: 656125

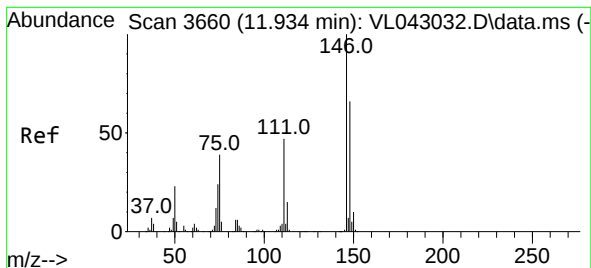
Ion Ratio Lower Upper

146 100

111 44.1 21.7 65.1

148 64.1 32.1 96.3





#77

1,2-Dichlorobenzene

Concen: 14.465 ppbv

RT: 11.934 min Scan# 3660

Delta R.T. 0.000 min

Lab File: VL043038.D

Acq: 02 Oct 2025 13:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

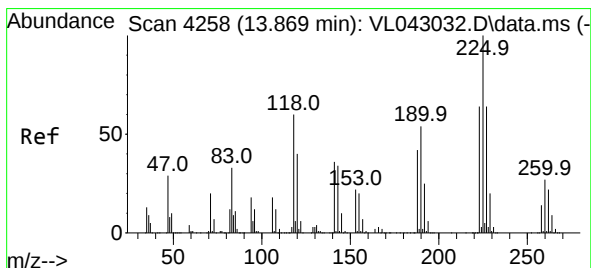
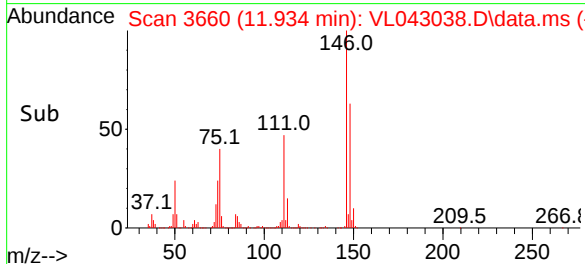
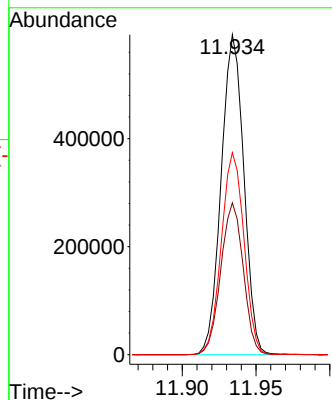
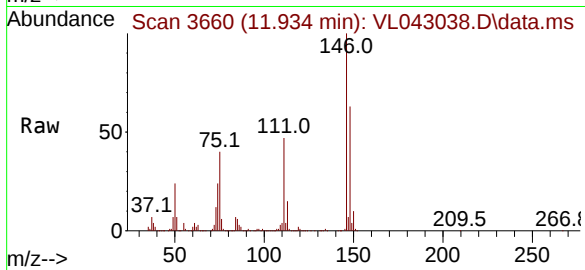
Tgt Ion:146 Resp: 632662

Ion Ratio Lower Upper

146 100

111 47.2 23.2 69.5

148 63.4 31.9 95.7



#78

Hexachloro-1,3-Butadiene

Concen: 14.288 ppbv

RT: 13.870 min Scan# 4258

Delta R.T. 0.000 min

Lab File: VL043038.D

Acq: 02 Oct 2025 13:41

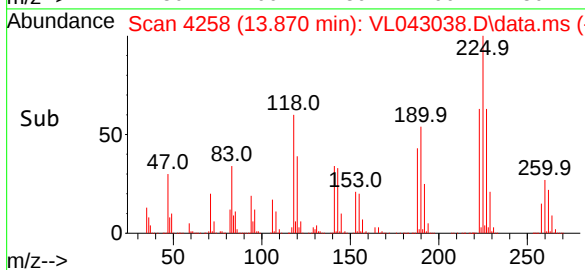
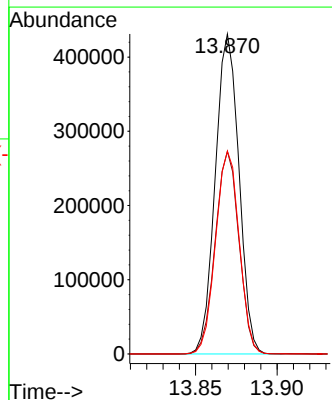
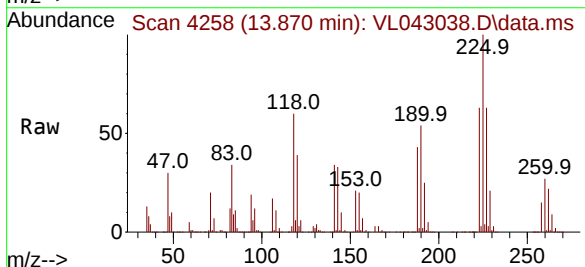
Tgt Ion:225 Resp: 435408

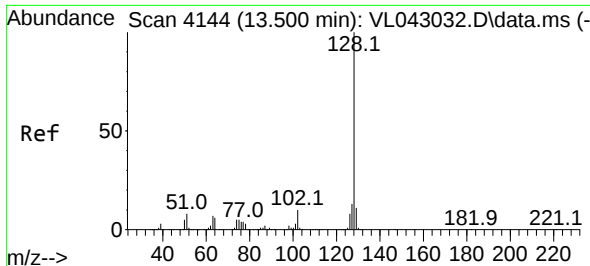
Ion Ratio Lower Upper

225 100

223 63.4 50.9 76.3

227 63.3 50.9 76.3

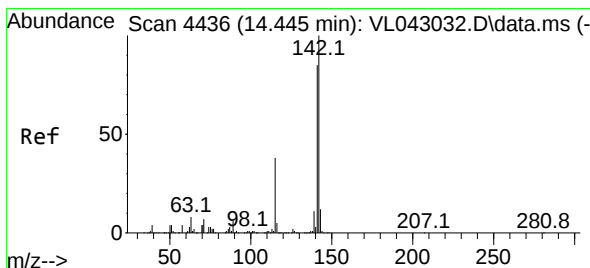
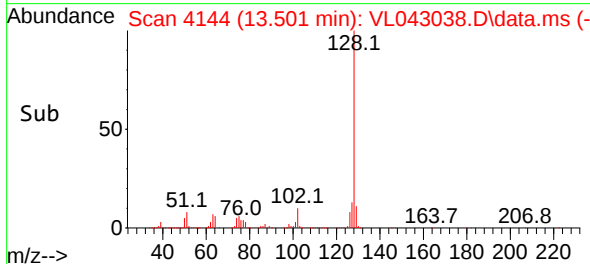
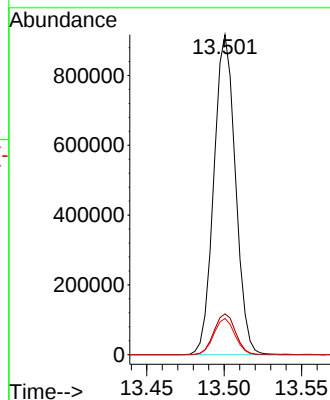
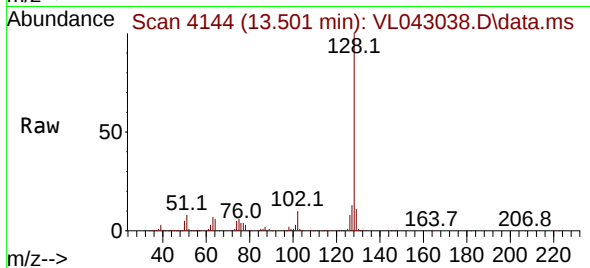




#79
Naphthalene
Concen: 14.984 ppbv
RT: 13.501 min Scan# 4144
Delta R.T. 0.001 min
Lab File: VL043038.D
Acq: 02 Oct 2025 13:41

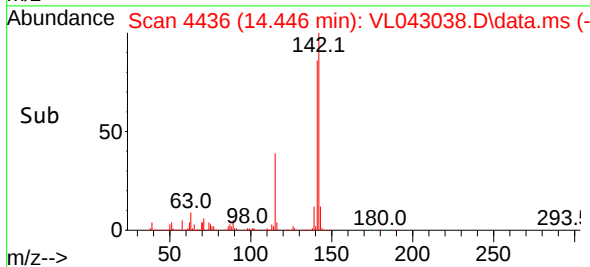
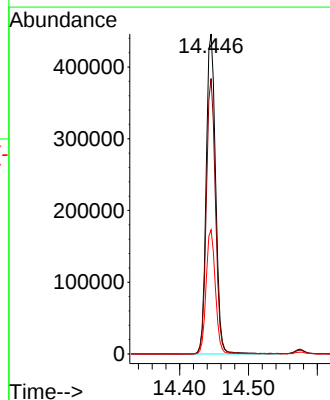
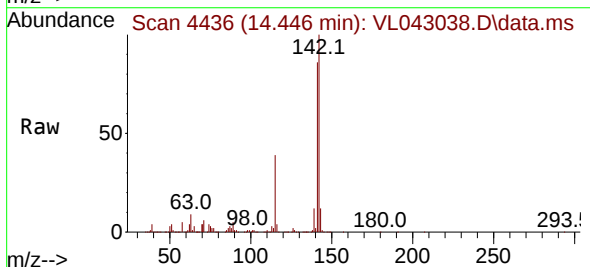
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

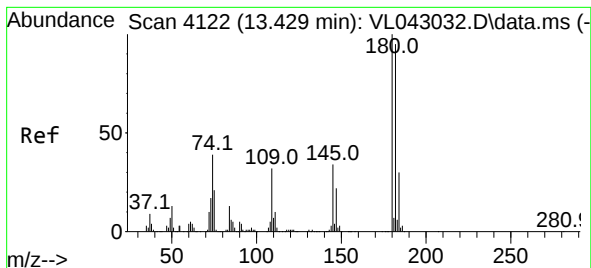
Tgt Ion:128 Resp: 887779
Ion Ratio Lower Upper
128 100
127 12.7 10.6 16.0
129 11.3 8.8 13.2



#80
Naphthalene,2-methyl-
Concen: 15.372 ppbv
RT: 14.446 min Scan# 4436
Delta R.T. 0.001 min
Lab File: VL043038.D
Acq: 02 Oct 2025 13:41

Tgt Ion:142 Resp: 421038
Ion Ratio Lower Upper
142 100
141 84.3 66.6 100.0
115 38.7 30.1 45.1





#81

1,2,4-Trichlorobenzene

Concen: 18.818 ppbv

RT: 13.429 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL043038.D

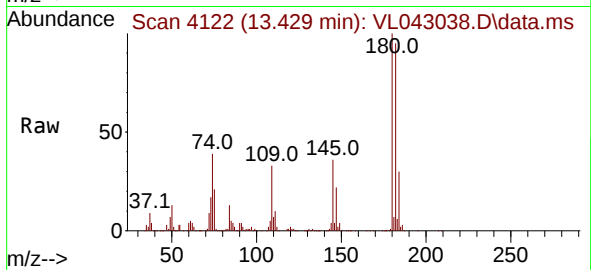
Acq: 02 Oct 2025 13:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015



Tgt Ion:180 Resp: 489642

Ion Ratio Lower Upper

180 100

182 95.2 76.9 115.3

184 30.3 23.9 35.9

