

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111825\
 Data File : VL043204.D
 Acq On : 18 Nov 2025 10:02
 Operator : SY/MD
 Sample : VSTDICCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Quant Time: Nov 19 00:49:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Nov 19 00:48:15 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.781	49	105095	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.949	114	283830	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.872	117	234772	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.367	95	172524	10.025	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.300%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.496	85	140789	9.498	ppbv	100
3) Chlorodifluoromethane	1.473	51	138443	9.497	ppbv	100
4) Chloromethane	1.531	50	52372	9.450	ppbv	100
5) Vinyl Chloride	1.577	62	51045	8.422	ppbv	100
6) Bromomethane	1.664	94	26542	9.034	ppbv	100
7) Chloroethane	1.700	64	20375	8.632	ppbv	100
8) Dichlorotetrafluoroethane	1.551	85	114670	9.300	ppbv	100
9) Propene	1.480	41	52671	7.789	ppbv #	1
10) Heptane	4.965	43	168611	9.090	ppbv	100
11) Trichlorofluoromethane	1.875	101	130362	9.077	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.137	101	103679	9.247	ppbv	100
13) Ethanol	1.716	45	17464	8.023	ppbv	100
14) Bromoethene	1.777	108	38037	8.849	ppbv	100
15) Acetone	1.832	43	108422	7.426	ppbv	100
16) 1,3-Butadiene	1.606	39	57871	8.890	ppbv	100
17) tert-Butyl alcohol	2.036	59	179201	9.350	ppbv	100
18) 1,1-Dichloroethene	2.030	96	46313	8.871	ppbv	100
19) Isopropyl Alcohol	1.881	45	71862	8.710	ppbv	100
20) Methylene Chloride	2.056	84	41868	9.708	ppbv	100
21) Allyl Chloride	2.091	41	89266	9.087	ppbv	100
22) trans-1,2-Dichloroethene	2.334	96	52470	8.793	ppbv	100
23) Vinyl Acetate	2.457	43	170459	9.670	ppbv	100
24) 1,1-Dichloroethane	2.405	63	106970	9.287	ppbv	100
25) Ethyl Acetate	2.829	43	289921	9.190	ppbv	100
26) Hexane	2.820	57	129809	9.402	ppbv	100
27) Carbon Disulfide	2.146	76	132086	9.371	ppbv	100
28) Methyl tert-Butyl Ether	2.434	73	62115	9.165	ppbv	100
29) Chloroform	2.842	83	187620	9.561	ppbv	100
30) Cyclohexane	3.846	84	107621	9.297	ppbv	100
31) cis-1,2-Dichloroethene	2.716	61	130357	9.499	ppbv	100
32) 1,1,1-Trichloroethane	3.360	97	198036	9.381	ppbv	100
34) 2-Butanone	2.551	43	182749	9.121	ppbv	100
35) Carbon Tetrachloride	3.755	117	200831	9.322	ppbv	100
36) Benzene	3.648	78	256954	9.453	ppbv	100
37) 1,2-Dichloroethane	3.211	62	150769	9.483	ppbv	100
38) Trichloroethene	4.535	130	100136	9.398	ppbv	100
39) 1,2-Dichloropropane	4.302	63	95097	9.559	ppbv	100
40) 1,4-Dioxane	4.567	88	40441	9.043	ppbv #	100
41) Tetrahydrofuran	3.046	42	104294	9.426	ppbv	100
42) Bromodichloromethane	4.477	83	211504	9.643	ppbv	100
43) Methyl Methacrylate	4.865	69	131003	9.080	ppbv	100
44) 2,2,4-Trimethylpentane	4.626	57	441234	9.451	ppbv	100
45) t-1,3-Dichloropropene	6.399	75	129122	9.601	ppbv	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111825\
 Data File : VL043204.D
 Acq On : 18 Nov 2025 10:02
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 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

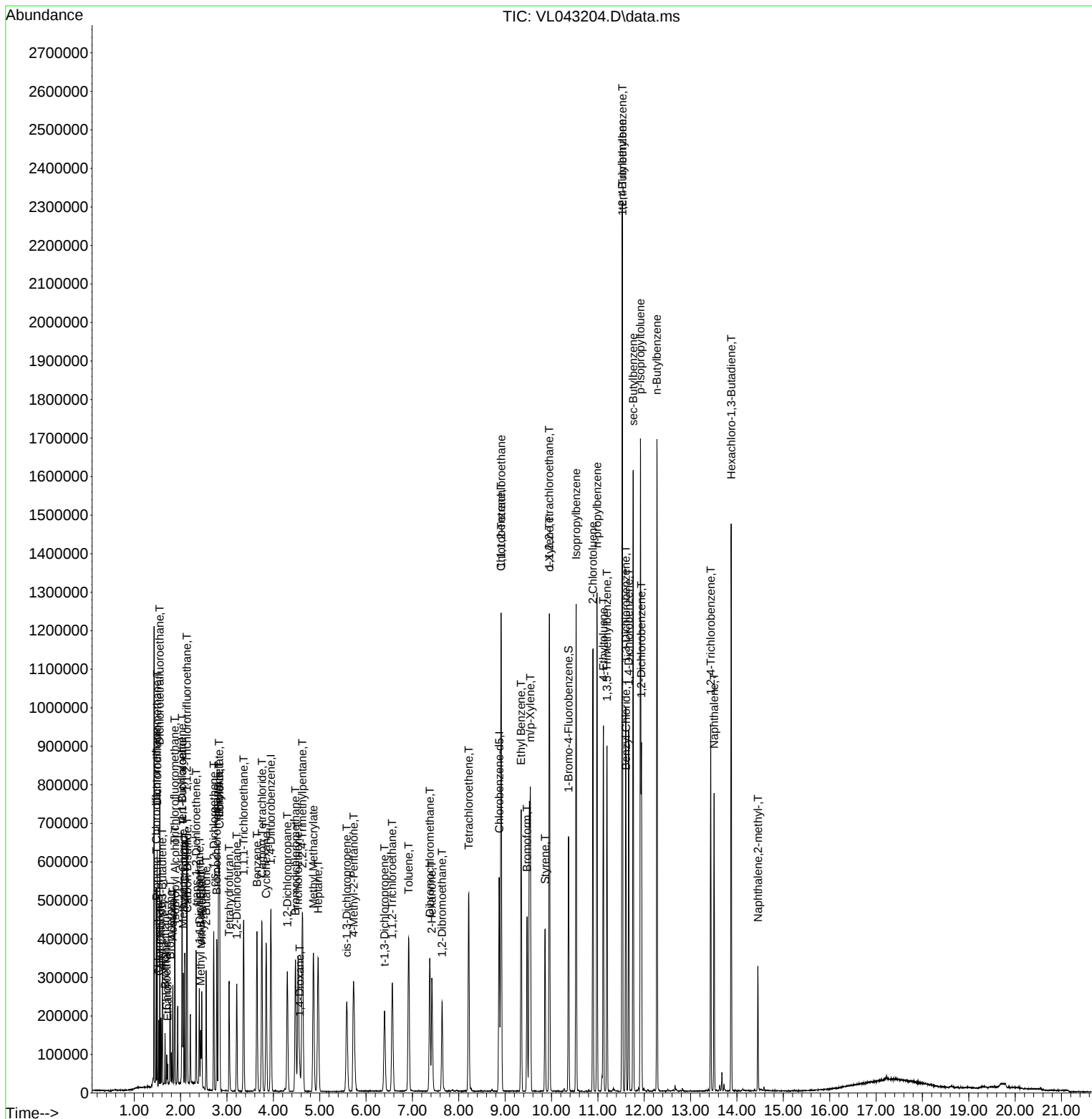
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 MSVOA_L
 ClientSampleId :
 VSTDICCC010

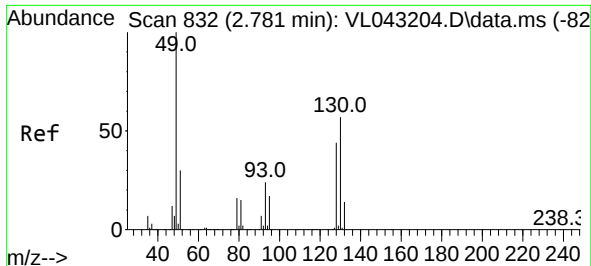
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Nov 19 00:48:15 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.584	75	151655	9.603	ppbv	100
47) 1,1,2-Trichloroethane	6.564	97	97512	9.193	ppbv	100
48) Dibromochloromethane	7.377	129	175529	9.670	ppbv	100
49) Bromoform	9.474	173	157563	9.800	ppbv	100
50) 4-Methyl-2-Pentanone	5.733	43	268369	9.509	ppbv	100
51) 2-Hexanone	7.419	43	208268	9.503	ppbv #	100
52) Tetrachloroethene	8.212	164	93518	9.249	ppbv	100
53) Toluene	6.920	91	305169	9.422	ppbv	100
54) 1,2-Dibromoethane	7.639	107	148973	9.588	ppbv	100
56) 1,1,1,2-Tetrachloroethane	8.914	131	158856	9.207	ppbv	100
57) Chlorobenzene	8.911	112	227490	9.438	ppbv	100
58) Ethyl Benzene	9.345	91	427530	9.461	ppbv	100
59) m/p-Xylene	9.542	91	316603	8.707	ppbv #	22
60) o-Xylene	9.956	91	333044	9.202	ppbv	100
61) Styrene	9.863	104	152172	9.607	ppbv	100
62) Isopropylbenzene	10.533	105	600155	9.269	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.953	83	209272	9.109	ppbv	100
64) n-propylbenzene	10.982	120	154239	9.271	ppbv	100
65) tert-Butylbenzene	11.523	119	522106	9.029	ppbv	100
66) Benzyl Chloride	11.607	91	56620	9.649	ppbv	100
67) sec-Butylbenzene	11.762	105	729573	9.039	ppbv	100
69) p-Isopropyltoluene	11.918	119	624586	9.135	ppbv	100
70) n-Butylbenzene	12.274	91	619610	9.341	ppbv	100
71) 2-Chlorotoluene	10.895	91	460118	9.245	ppbv	100
72) 4-Ethyltoluene	11.118	105	410587	9.316	ppbv	100
73) 1,3,5-Trimethylbenzene	11.196	105	341900	9.244	ppbv	100
74) 1,2,4-Trimethylbenzene	11.529	105	363476	9.005	ppbv	100
75) 1,3-Dichlorobenzene	11.601	146	219894	9.335	ppbv	100
76) 1,4-Dichlorobenzene	11.665	146	220576	9.363	ppbv	100
77) 1,2-Dichlorobenzene	11.940	146	204826	9.044	ppbv	100
78) Hexachloro-1,3-Butadiene	13.876	225	161034	8.520	ppbv	100
79) Naphthalene	13.507	128	351148	9.795	ppbv	100
80) Naphthalene,2-methyl-	14.452	142	93113	9.895	ppbv	100
81) 1,2,4-Trichlorobenzene	13.436	180	159091	9.923	ppbv	100

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

Quant Time: Nov 19 00:49:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
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QLast Update : Wed Nov 19 00:48:15 2025
Response via : Initial Calibration

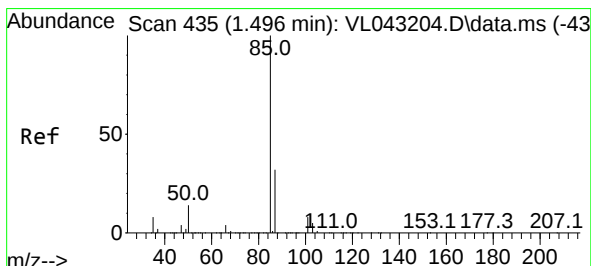
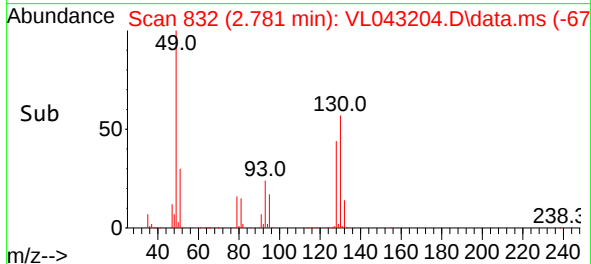
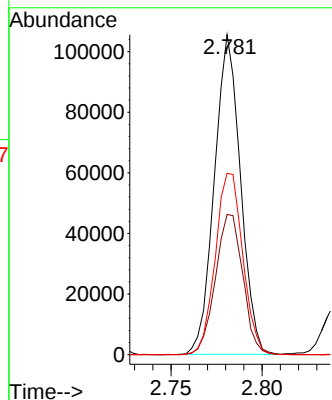
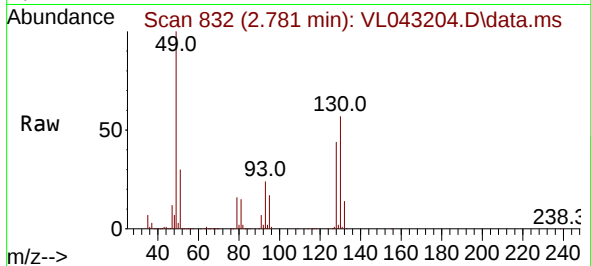




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.781 min Scan# 832
Delta R.T. -0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

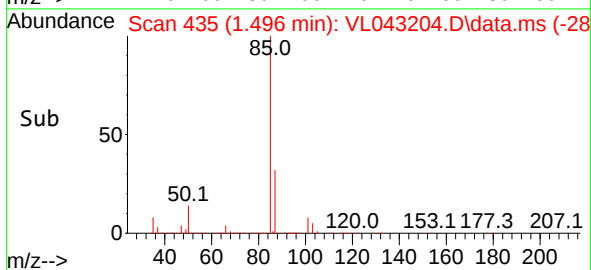
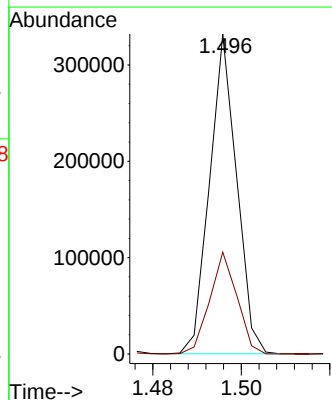
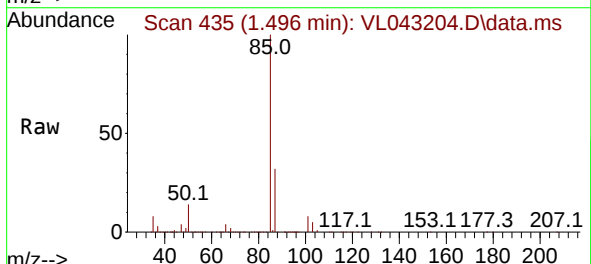
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MSVOA_L
ClientSampleId :
VSTDICCC010

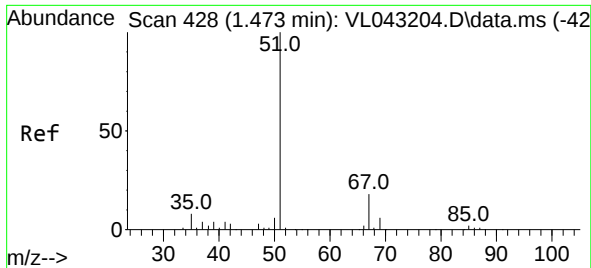
Tgt Ion: 49 Resp: 105095
Ion Ratio Lower Upper
49 100
128 46.0 23.0 69.0
130 59.8 29.9 89.7



#2
Dichlorodifluoromethane
Concen: 9.498 ppbv
RT: 1.496 min Scan# 435
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion: 85 Resp: 140789
Ion Ratio Lower Upper
85 100
87 31.8 25.4 38.2

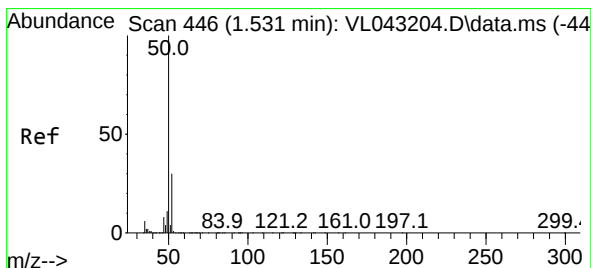
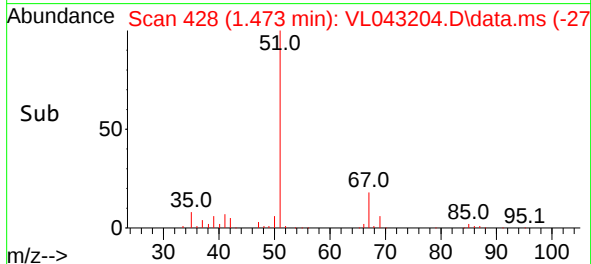
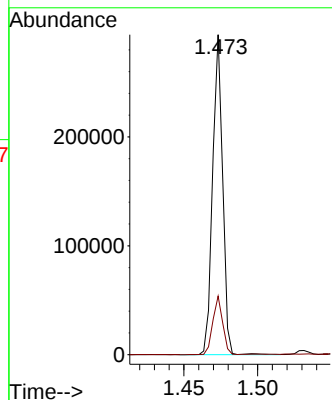
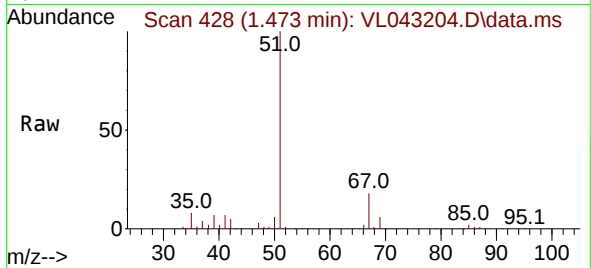




#3
Chlorodifluoromethane
Concen: 9.497 ppbv
RT: 1.473 min Scan# 428
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

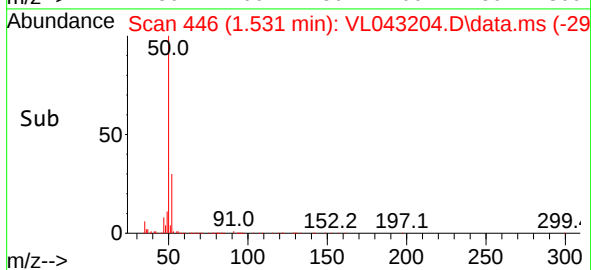
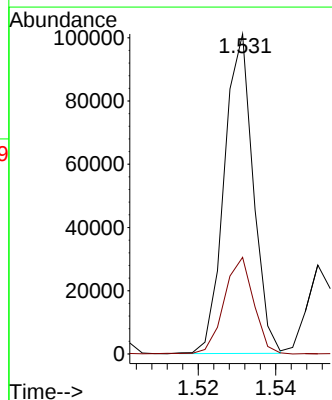
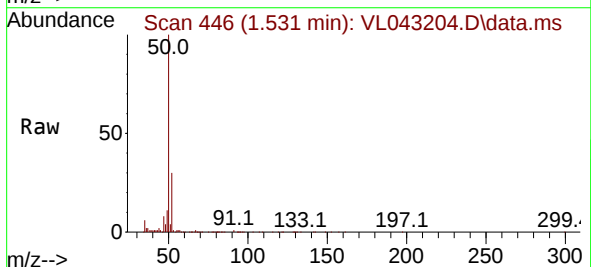
Instrument :
MSVOA_L
ClientSampleId :
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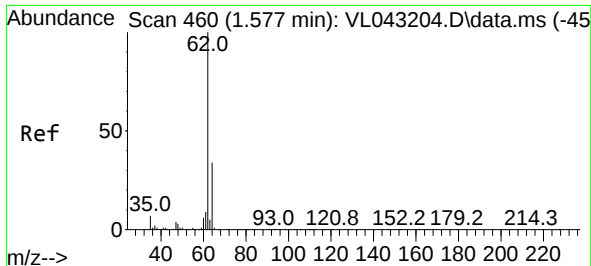
Tgt Ion: 51 Resp: 138443
Ion Ratio Lower Upper
51 100
67 18.6 14.9 22.3



#4
Chloromethane
Concen: 9.450 ppbv
RT: 1.531 min Scan# 446
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion: 50 Resp: 52372
Ion Ratio Lower Upper
50 100
52 30.1 24.1 36.1

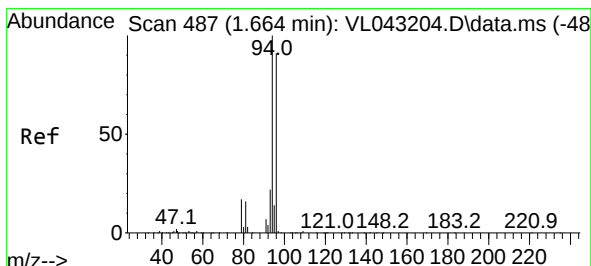
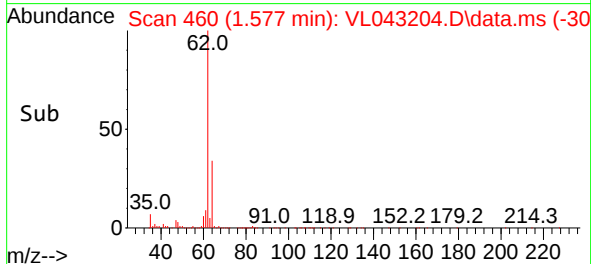
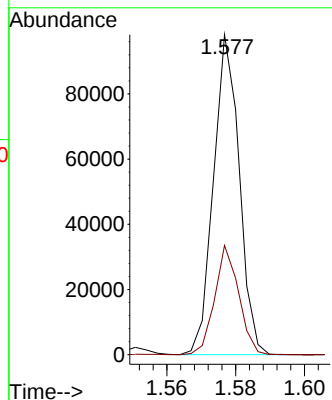
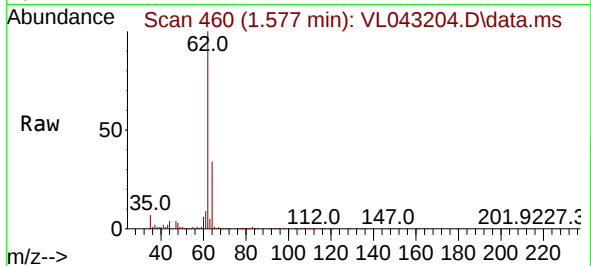




#5
 Vinyl Chloride
 Concen: 8.422 ppbv
 RT: 1.577 min Scan# 460
 Delta R.T. 0.000 min
 Lab File: VL043204.D
 Acq: 18 Nov 2025 10:02

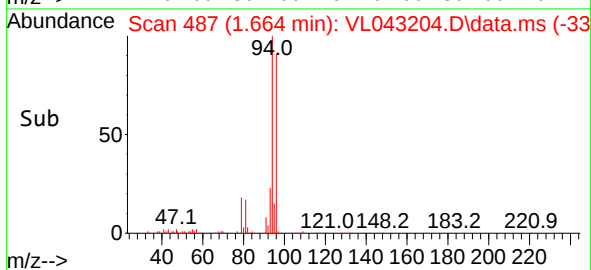
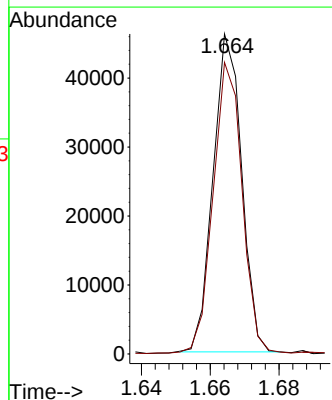
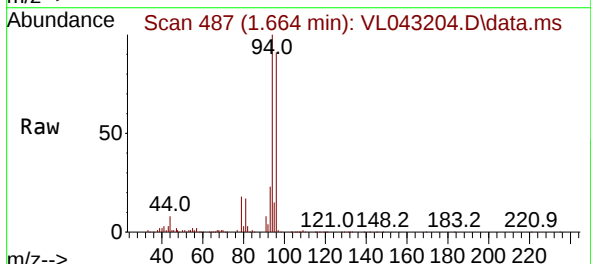
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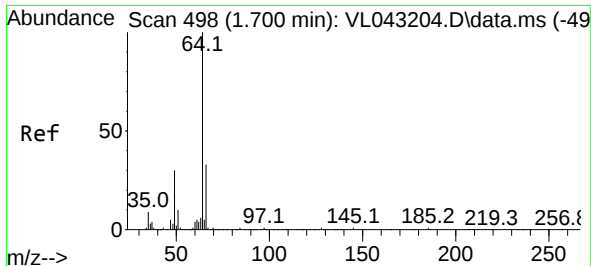
Tgt Ion: 62 Resp: 51045
 Ion Ratio Lower Upper
 62 100
 64 34.1 27.3 40.9



#6
 Bromomethane
 Concen: 9.034 ppbv
 RT: 1.664 min Scan# 487
 Delta R.T. 0.000 min
 Lab File: VL043204.D
 Acq: 18 Nov 2025 10:02

Tgt Ion: 94 Resp: 26542
 Ion Ratio Lower Upper
 94 100
 96 91.1 72.9 109.3

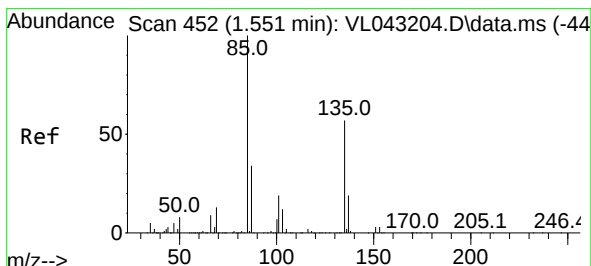
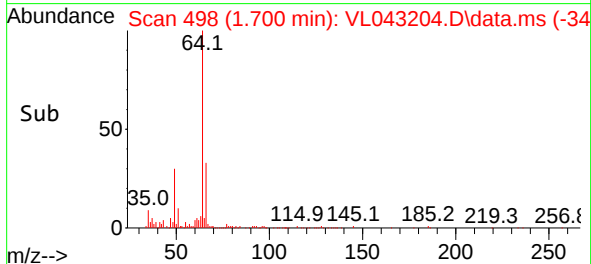
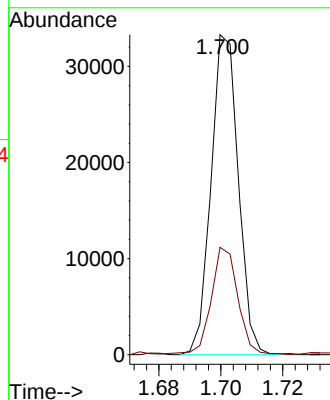
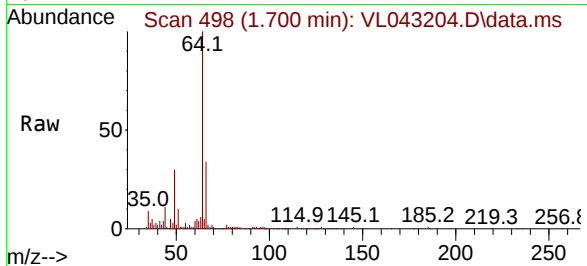




#7
Chloroethane
Concen: 8.632 ppbv
RT: 1.700 min Scan# 498
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

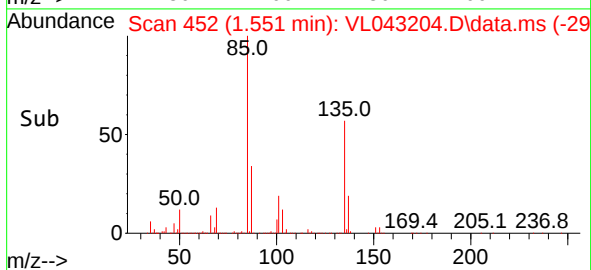
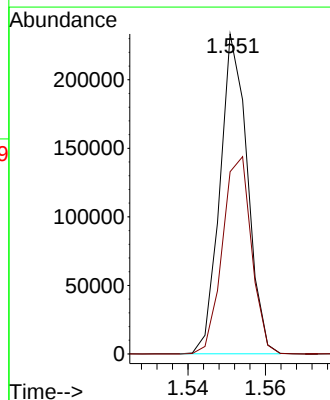
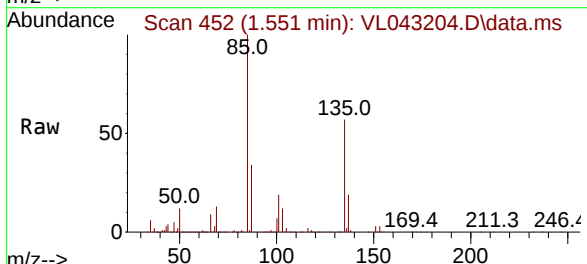
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MSVOA_1
ClientSampleId :
VSTDICCC010

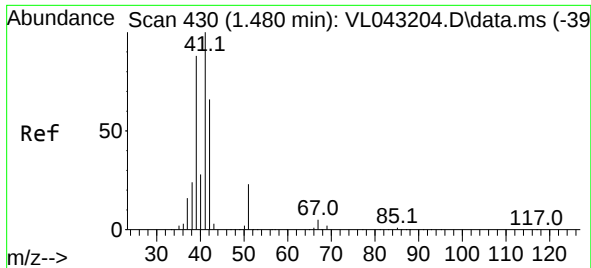
Tgt Ion: 64 Resp: 20375
Ion Ratio Lower Upper
64 100
66 33.5 26.8 40.2



#8
Dichlorotetrafluoroethane
Concen: 9.300 ppbv
RT: 1.551 min Scan# 452
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion: 85 Resp: 114670
Ion Ratio Lower Upper
85 100
135 65.8 52.6 79.0





#9

Propene

Concen: 7.789 ppbv

RT: 1.480 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL043204.D

Acq: 18 Nov 2025 10:02

Instrument :

MSVOA_L

ClientSampleId :

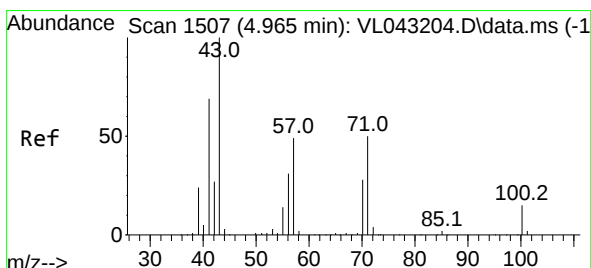
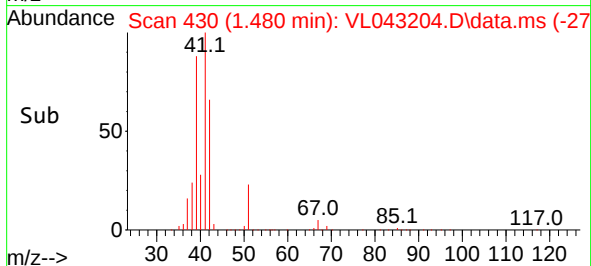
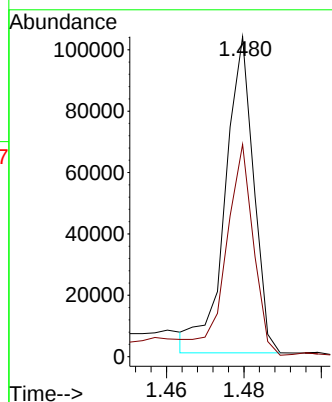
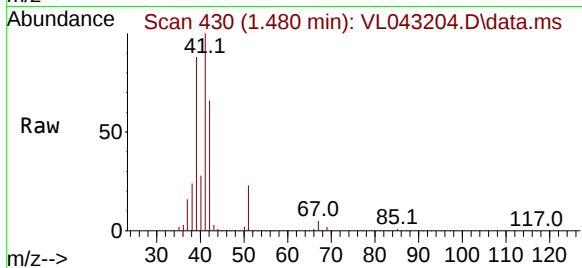
VSTDICCC010

Tgt Ion: 41 Resp: 52671

Ion Ratio Lower Upper

41 100

42 105.2 3.7 5.5#



#10

Heptane

Concen: 9.090 ppbv

RT: 4.965 min Scan# 1507

Delta R.T. 0.000 min

Lab File: VL043204.D

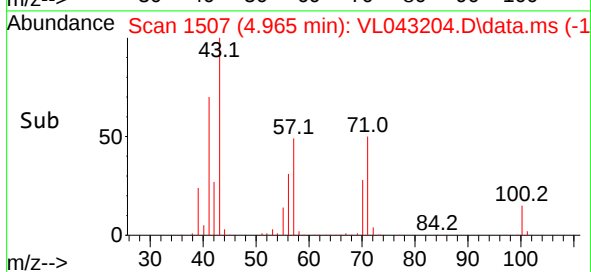
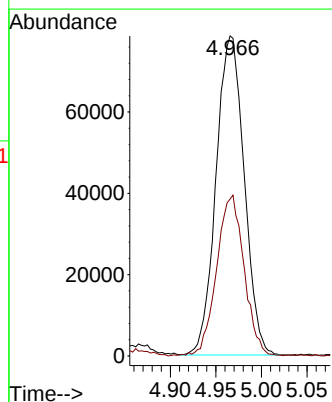
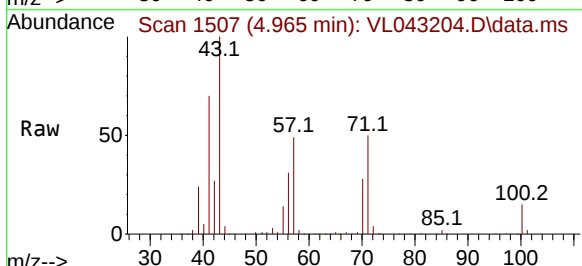
Acq: 18 Nov 2025 10:02

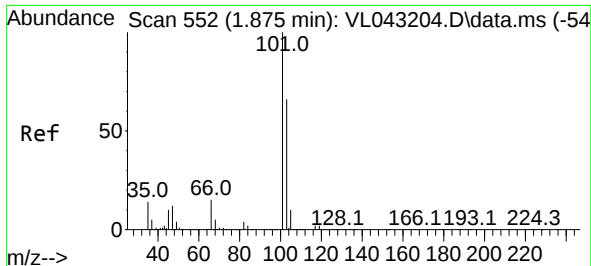
Tgt Ion: 43 Resp: 168611

Ion Ratio Lower Upper

43 100

57 49.6 39.7 59.5

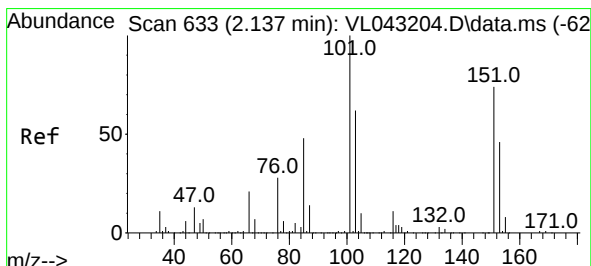
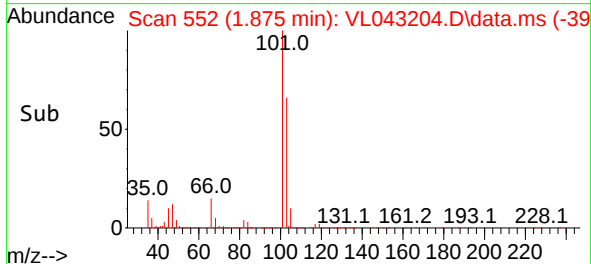
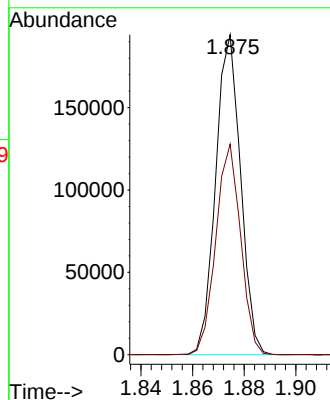
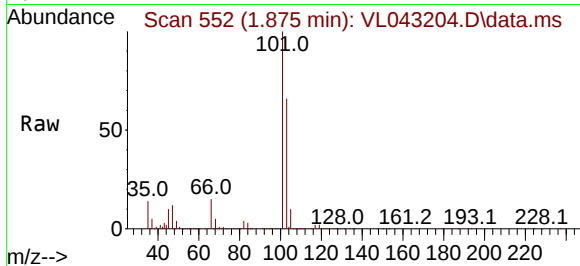




#11
 Trichlorofluoromethane
 Concen: 9.077 ppbv
 RT: 1.875 min Scan# 552
 Delta R.T. 0.000 min
 Lab File: VL043204.D
 Acq: 18 Nov 2025 10:02

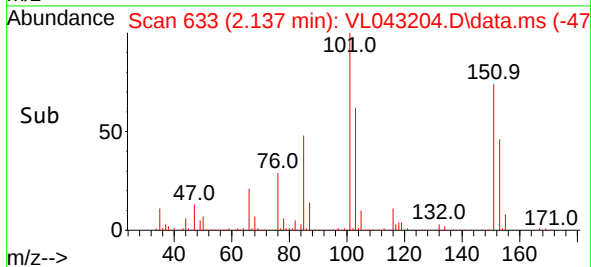
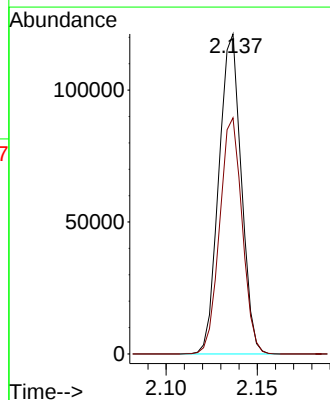
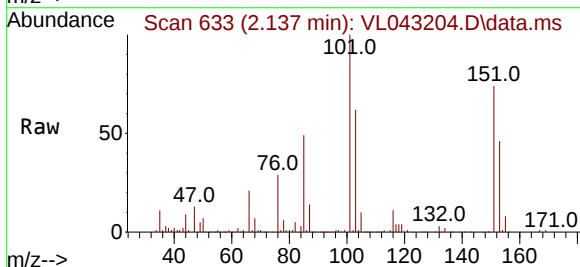
Instrument :
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 ClientSampleId :
 VSTDICCC010

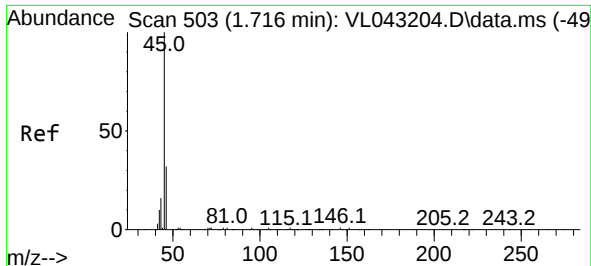
Tgt Ion:101 Resp: 130362
 Ion Ratio Lower Upper
 101 100
 103 65.8 52.6 79.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.247 ppbv
 RT: 2.137 min Scan# 633
 Delta R.T. 0.000 min
 Lab File: VL043204.D
 Acq: 18 Nov 2025 10:02

Tgt Ion:101 Resp: 103679
 Ion Ratio Lower Upper
 101 100
 151 74.0 59.2 88.8

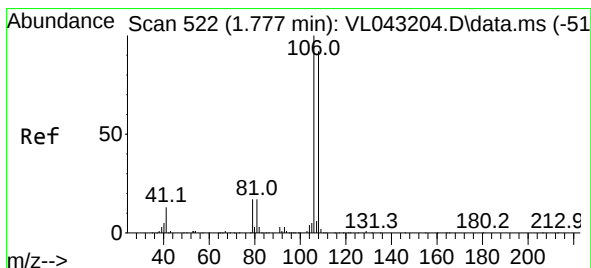
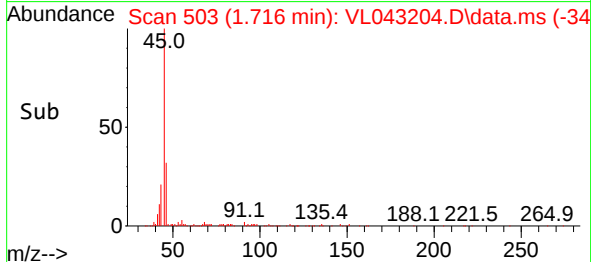
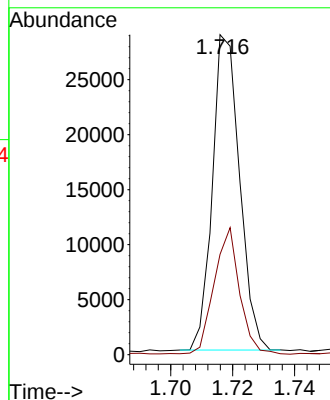
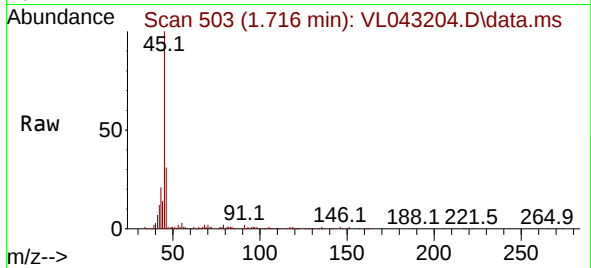




#13
Ethanol
Concen: 8.023 ppbv
RT: 1.716 min Scan# 503
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

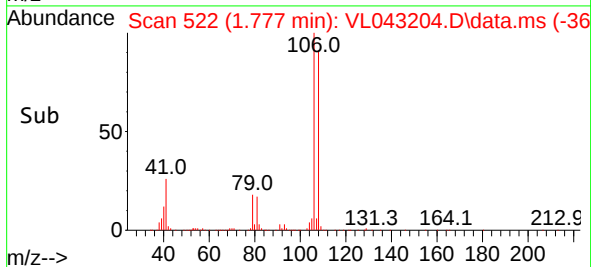
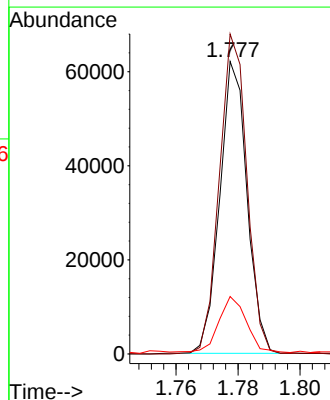
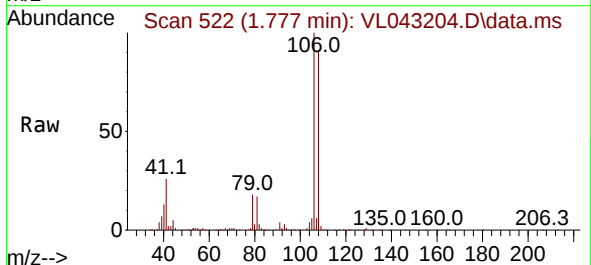
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

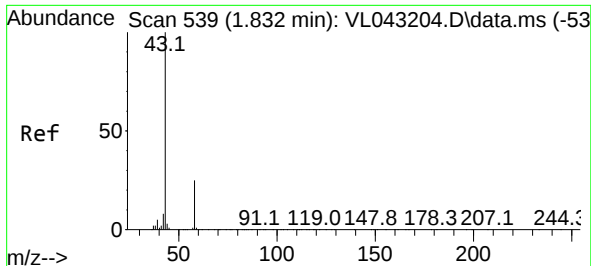
Tgt Ion: 45 Resp: 17464
Ion Ratio Lower Upper
45 100
46 37.4 15.0 59.8



#14
Bromoethene
Concen: 8.849 ppbv
RT: 1.777 min Scan# 522
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion: 108 Resp: 38037
Ion Ratio Lower Upper
108 100
106 111.1 88.9 133.3
79 20.6 16.5 24.7

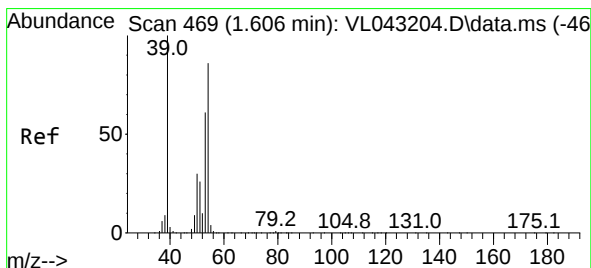
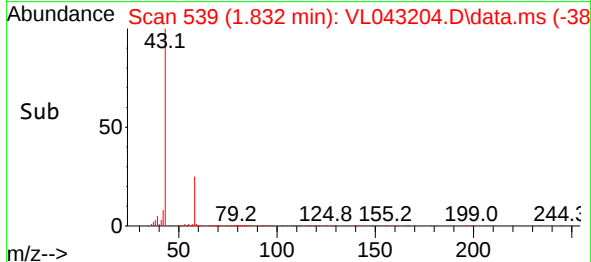
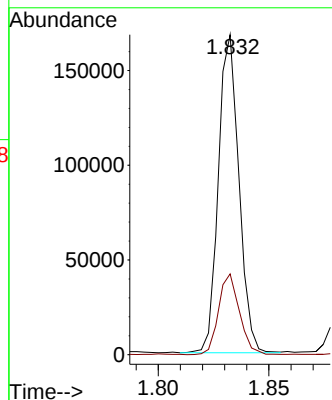
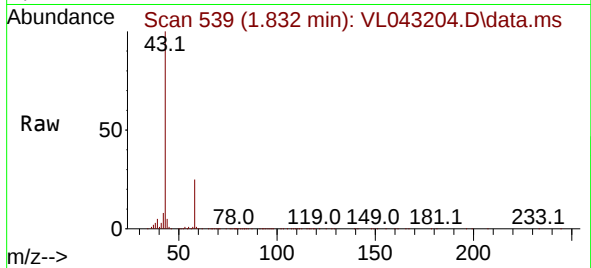




#15
Acetone
Concen: 7.426 ppbv
RT: 1.832 min Scan# 51
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

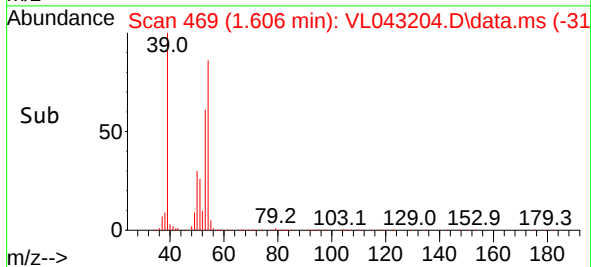
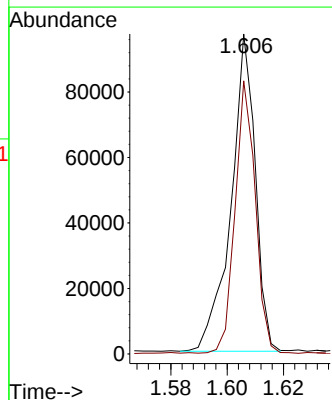
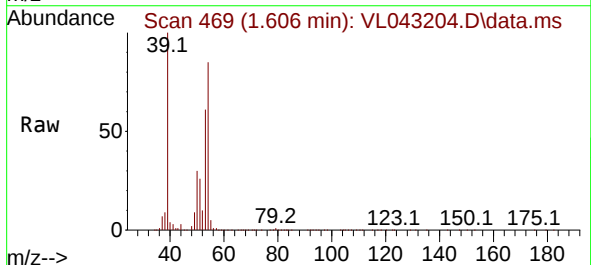
Instrument :
MSVOA_1
ClientSampleId :
VSTDICCC010

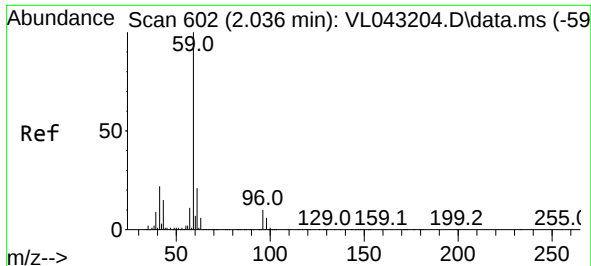
Tgt Ion: 43 Resp: 108422
Ion Ratio Lower Upper
43 100
58 25.9 20.7 31.1



#16
1,3-Butadiene
Concen: 8.890 ppbv
RT: 1.606 min Scan# 469
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion: 39 Resp: 57871
Ion Ratio Lower Upper
39 100
54 74.3 59.4 89.2





#17

tert-Butyl alcohol

Concen: 9.350 ppbv

RT: 2.036 min Scan# 602

Delta R.T. 0.000 min

Lab File: VL043204.D

Acq: 18 Nov 2025 10:02

Instrument :

MSVOA_1

ClientSampleId :

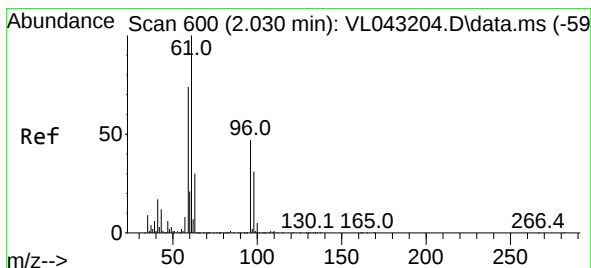
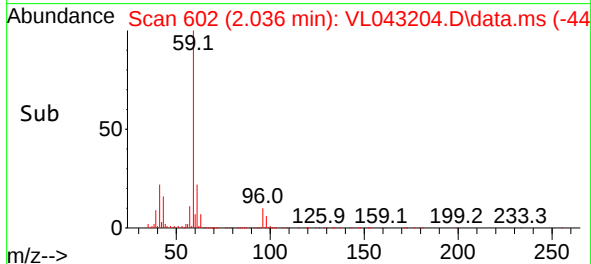
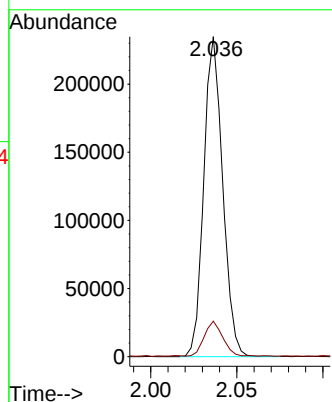
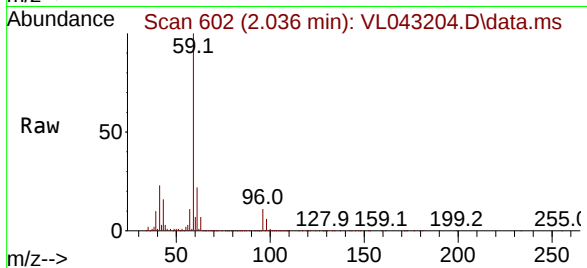
VSTDICCC010

Tgt Ion: 59 Resp: 179201

Ion Ratio Lower Upper

59 100

57 11.2 9.0 13.4



#18

1,1-Dichloroethene

Concen: 8.871 ppbv

RT: 2.030 min Scan# 600

Delta R.T. 0.000 min

Lab File: VL043204.D

Acq: 18 Nov 2025 10:02

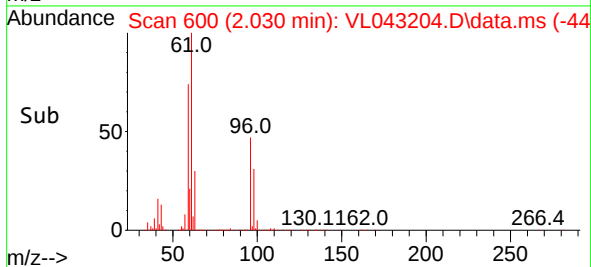
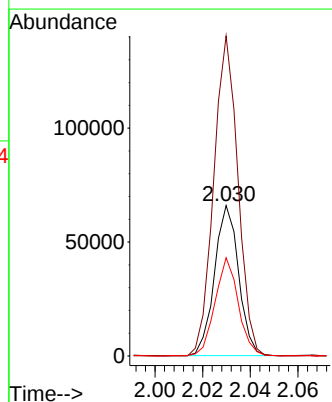
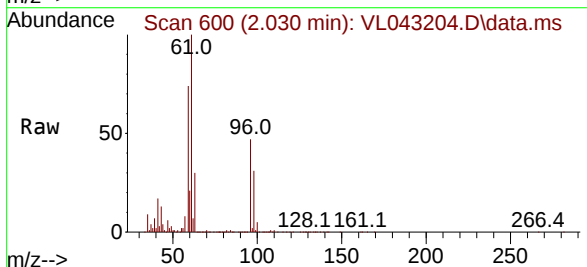
Tgt Ion: 96 Resp: 46313

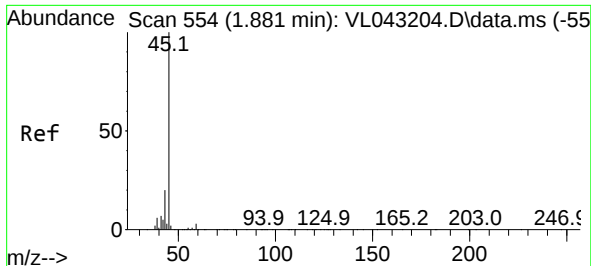
Ion Ratio Lower Upper

96 100

61 213.2 170.6 255.8

98 65.3 52.2 78.4

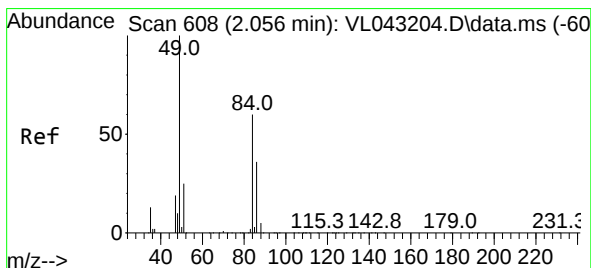
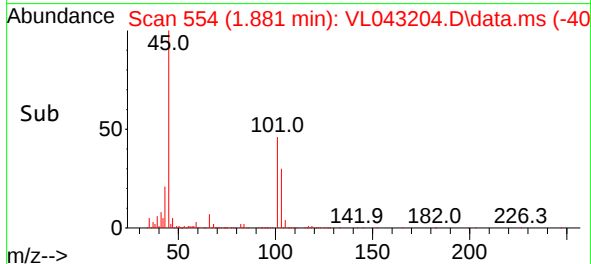
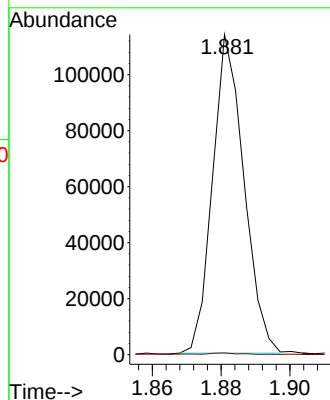
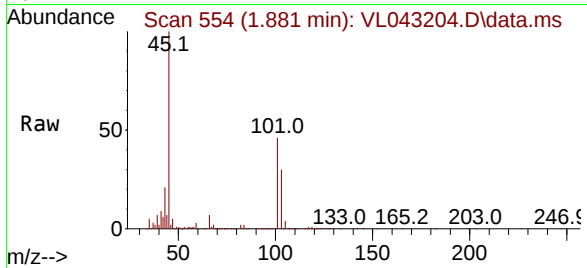




#19
Isopropyl Alcohol
Concen: 8.710 ppbv
RT: 1.881 min Scan# 554
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

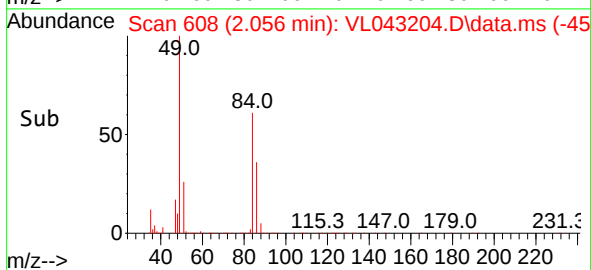
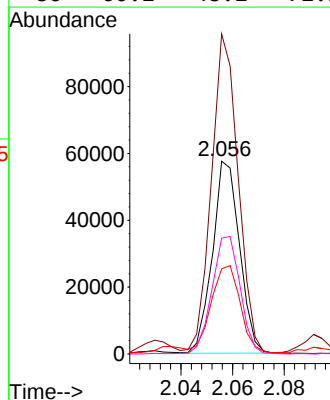
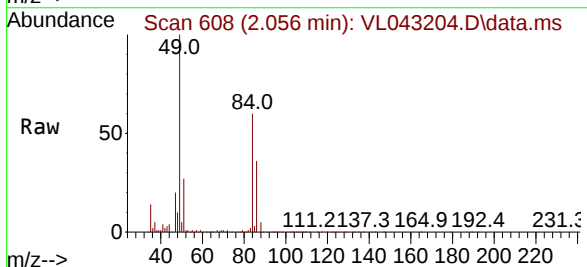
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

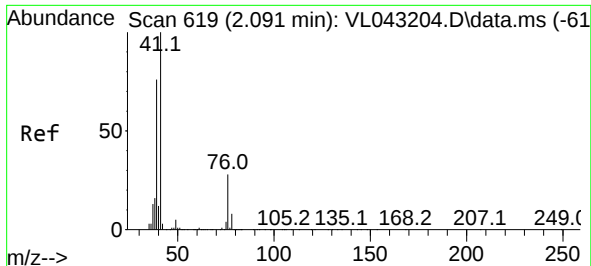
Tgt Ion: 45 Resp: 71862
Ion Ratio Lower Upper
45 100
58 39.1 31.3 46.9



#20
Methylene Chloride
Concen: 9.708 ppbv
RT: 2.056 min Scan# 608
Delta R.T. -0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion: 84 Resp: 41868
Ion Ratio Lower Upper
84 100
49 166.1 132.9 199.3
51 43.5 34.8 52.2
86 60.2 48.2 72.2

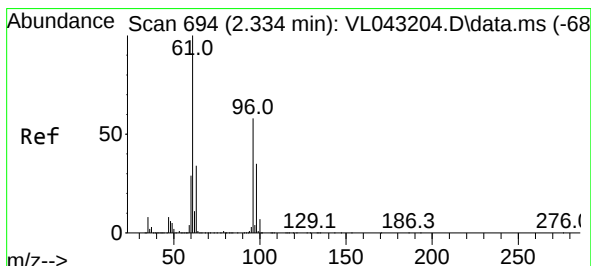
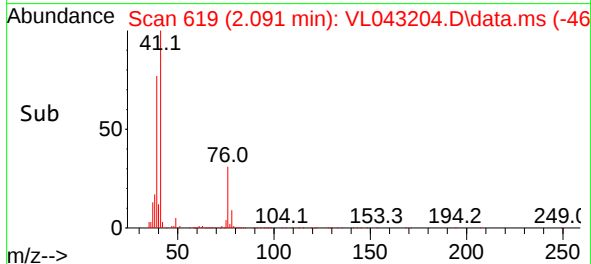
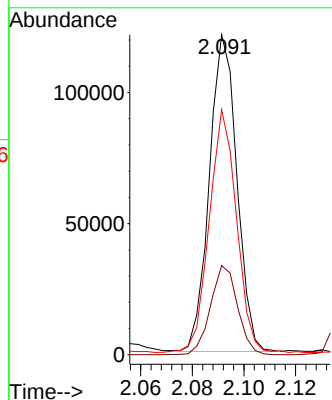
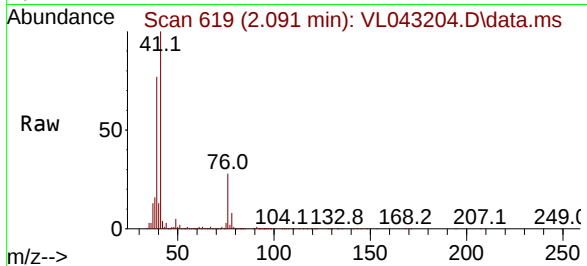




#21
 Allyl Chloride
 Concen: 9.087 ppbv
 RT: 2.091 min Scan# 619
 Delta R.T. 0.000 min
 Lab File: VL043204.D
 Acq: 18 Nov 2025 10:02

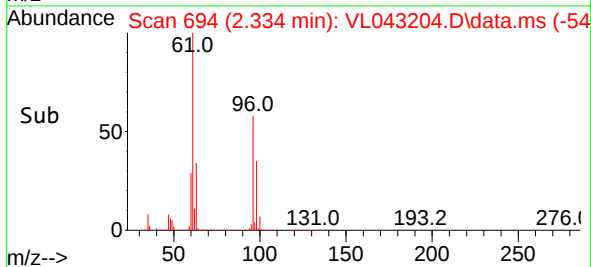
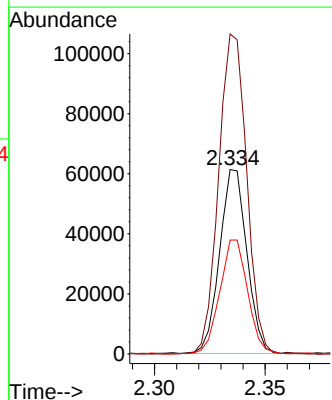
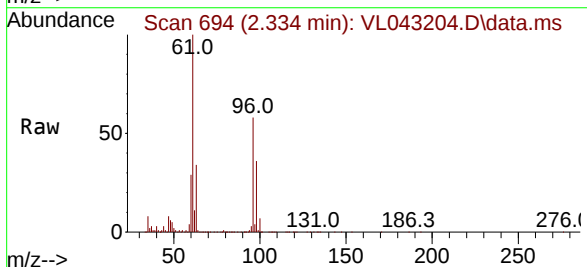
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

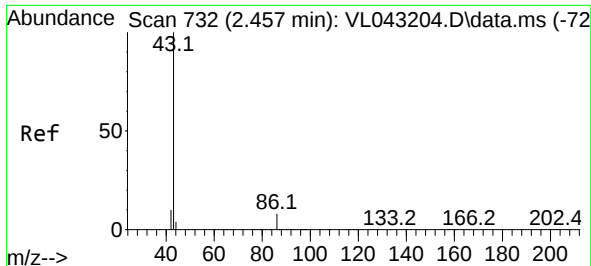
Tgt Ion: 41 Resp: 89266
 Ion Ratio Lower Upper
 41 100
 76 27.6 22.1 33.1
 39 76.2 61.0 91.4



#22
 trans-1,2-Dichloroethene
 Concen: 8.793 ppbv
 RT: 2.334 min Scan# 694
 Delta R.T. 0.000 min
 Lab File: VL043204.D
 Acq: 18 Nov 2025 10:02

Tgt Ion: 96 Resp: 52470
 Ion Ratio Lower Upper
 96 100
 61 173.8 139.0 208.6
 98 61.8 49.4 74.2



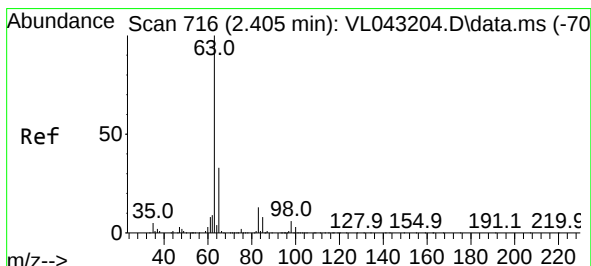
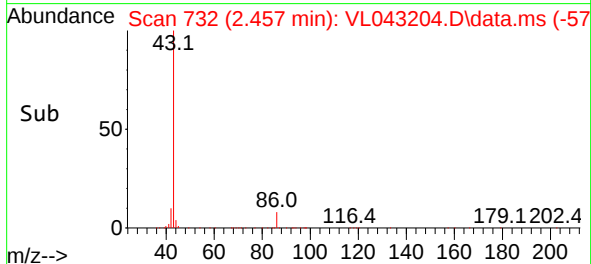
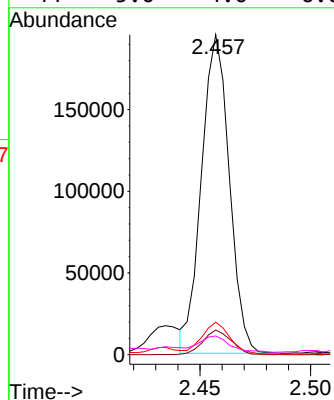
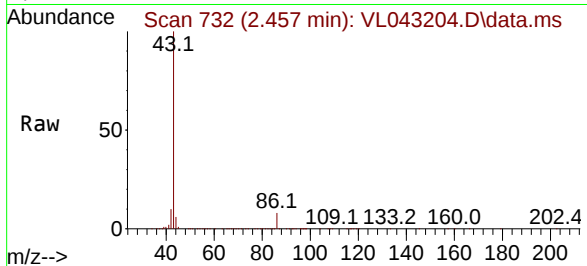


#23
 Vinyl Acetate
 Concen: 9.670 ppbv
 RT: 2.457 min Scan# 716
 Delta R.T. 0.000 min
 Lab File: VL043204.D
 Acq: 18 Nov 2025 10:02

Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDICCC010

Tgt Ion: 43 Resp: 170459

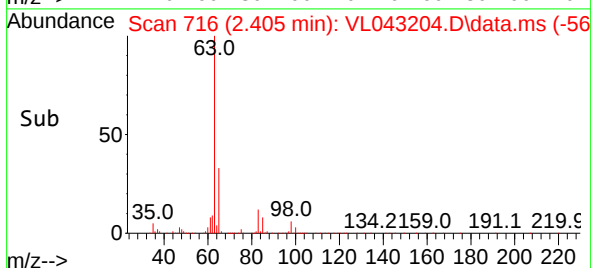
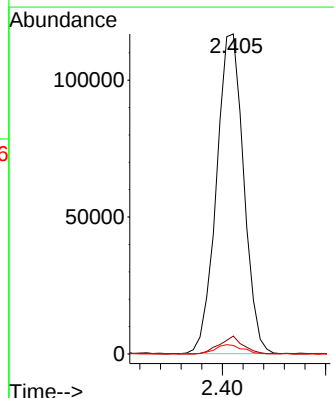
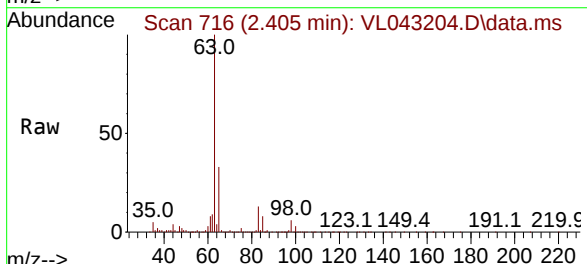
Ion	Ratio	Lower	Upper
43	100		
86	7.7	6.2	9.2
42	10.0	8.0	12.0
44	5.0	4.0	6.0

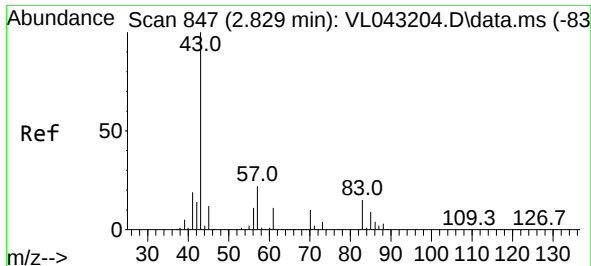


#24
 1,1-Dichloroethane
 Concen: 9.287 ppbv
 RT: 2.405 min Scan# 716
 Delta R.T. 0.000 min
 Lab File: VL043204.D
 Acq: 18 Nov 2025 10:02

Tgt Ion: 63 Resp: 106970

Ion	Ratio	Lower	Upper
63	100		
98	5.6	2.8	8.4
100	2.6	1.3	3.9



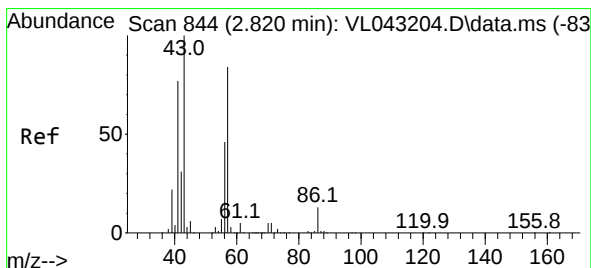
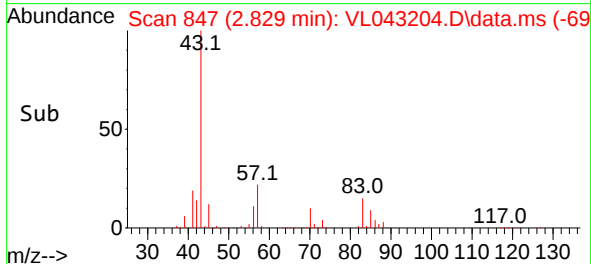
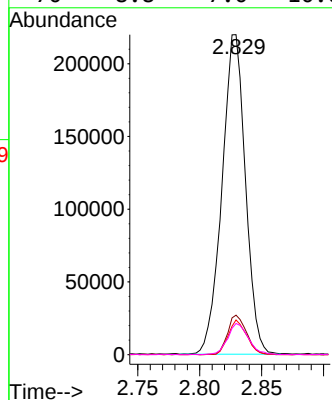
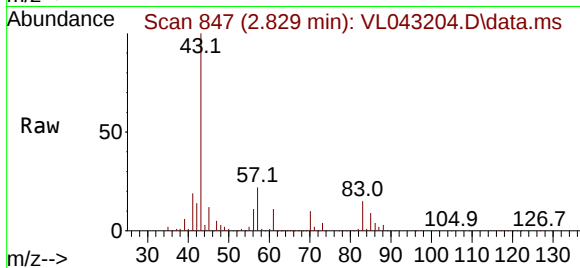


#25
Ethyl Acetate
Concen: 9.190 ppbv
RT: 2.829 min Scan# 847
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 43 Resp: 289921

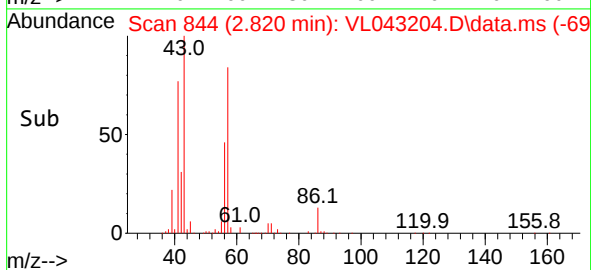
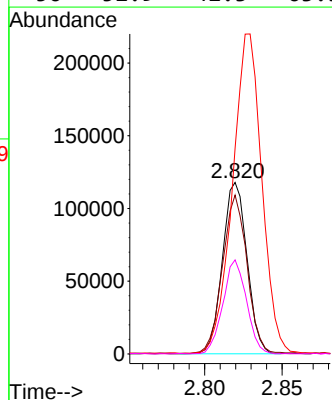
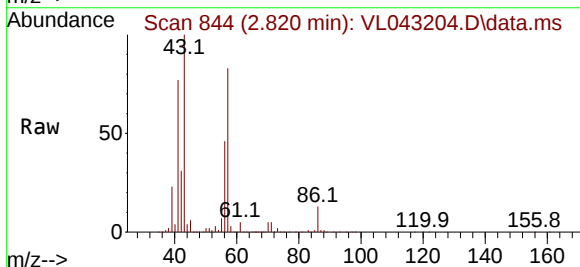
Ion	Ratio	Lower	Upper
43	100		
45	10.1	8.1	12.1
61	8.7	7.0	10.4
70	8.8	7.0	10.6

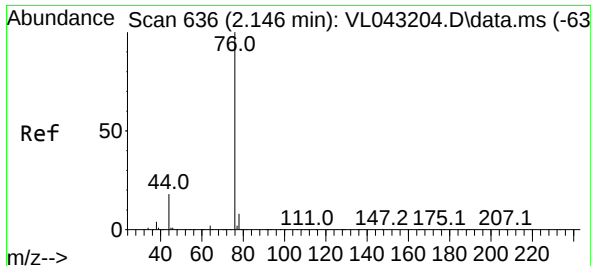


#26
Hexane
Concen: 9.402 ppbv
RT: 2.820 min Scan# 844
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion: 57 Resp: 129809

Ion	Ratio	Lower	Upper
57	100		
41	93.2	74.6	111.8
43	223.7	179.0	268.4
56	52.9	42.3	63.5

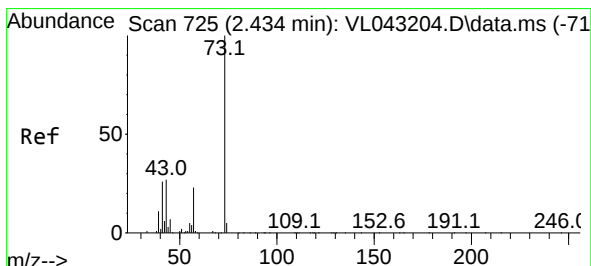
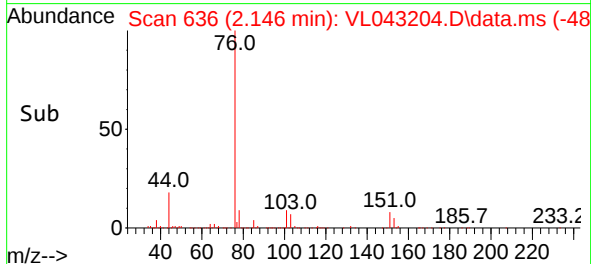
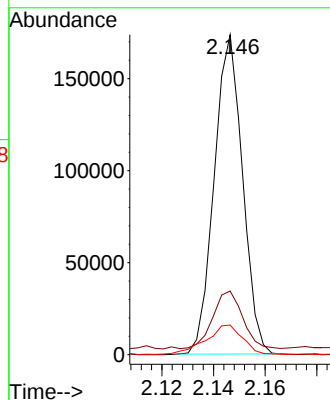
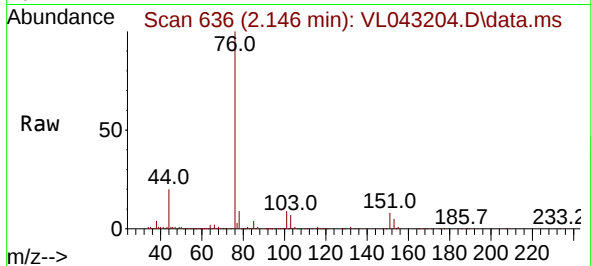




#27
Carbon Disulfide
Concen: 9.371 ppbv
RT: 2.146 min Scan# 611
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

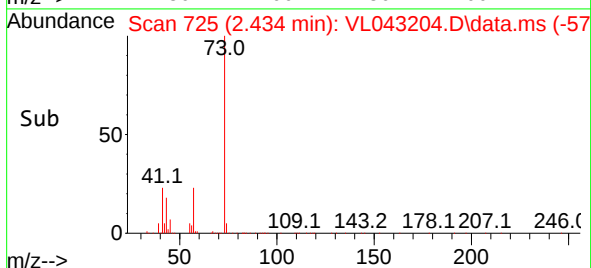
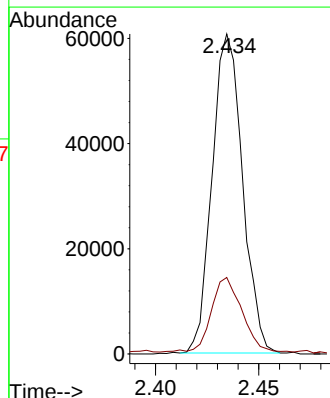
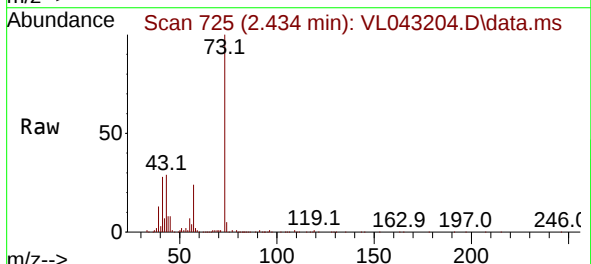
Instrument :
MSVOA_1
ClientSampleId :
VSTDICCC010

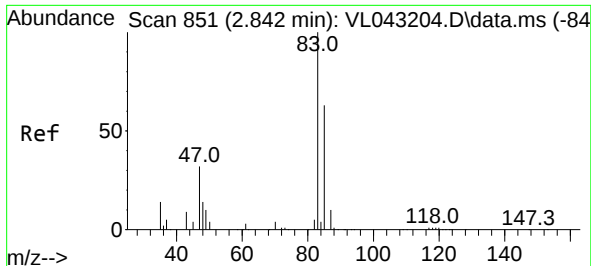
Tgt Ion: 76 Resp: 132086
Ion Ratio Lower Upper
76 100
44 20.1 16.1 24.1
78 12.0 9.6 14.4



#28
Methyl tert-Butyl Ether
Concen: 9.165 ppbv
RT: 2.434 min Scan# 725
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion: 73 Resp: 62115
Ion Ratio Lower Upper
73 100
57 24.8 19.8 29.8





#29

Chloroform

Concen: 9.561 ppbv

RT: 2.842 min Scan# 851

Delta R.T. 0.000 min

Lab File: VL043204.D

Acq: 18 Nov 2025 10:02

Instrument :

MSVOA_L

ClientSampleId :

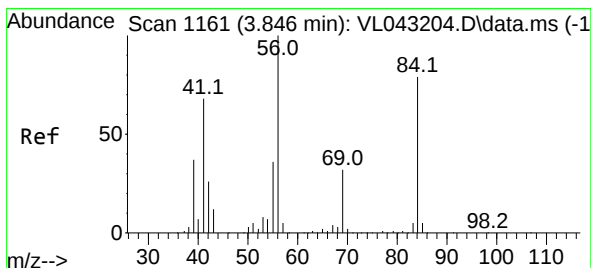
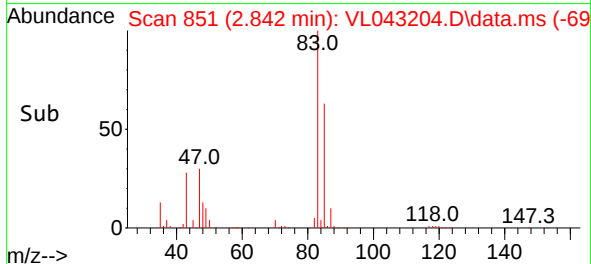
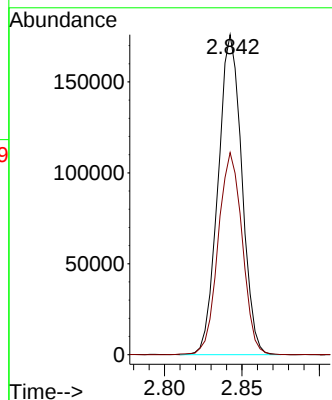
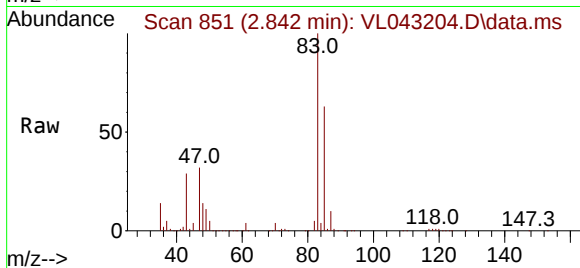
VSTDICCC010

Tgt Ion: 83 Resp: 187620

Ion Ratio Lower Upper

83 100

85 63.1 50.5 75.7



#30

Cyclohexane

Concen: 9.297 ppbv

RT: 3.846 min Scan# 1161

Delta R.T. 0.000 min

Lab File: VL043204.D

Acq: 18 Nov 2025 10:02

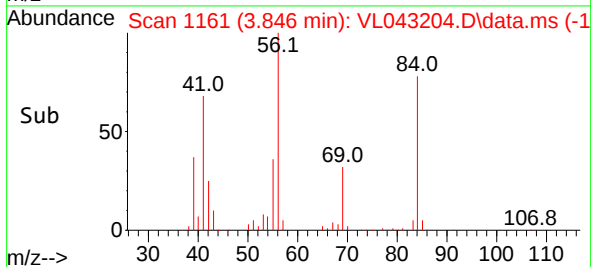
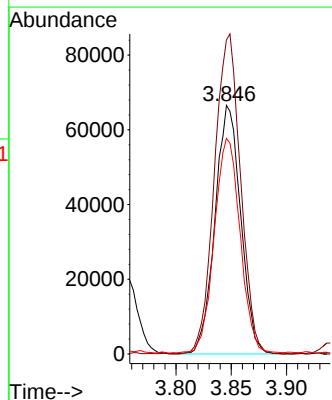
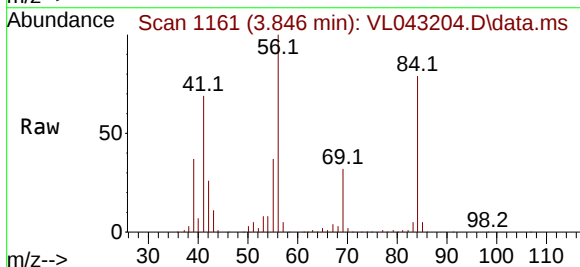
Tgt Ion: 84 Resp: 107621

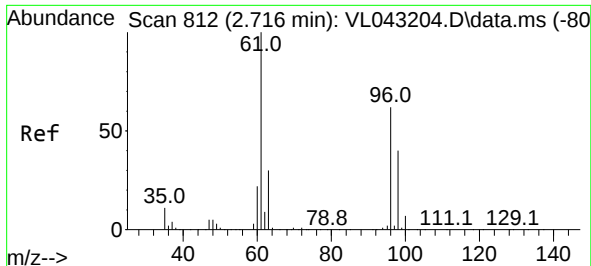
Ion Ratio Lower Upper

84 100

56 130.9 104.7 157.1

41 86.3 69.0 103.6

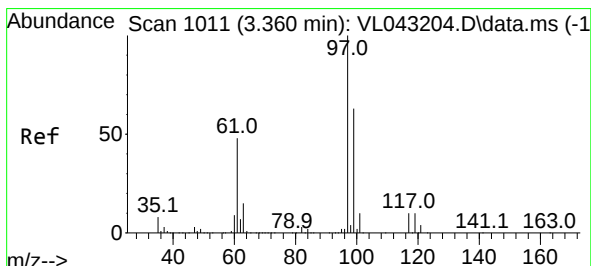
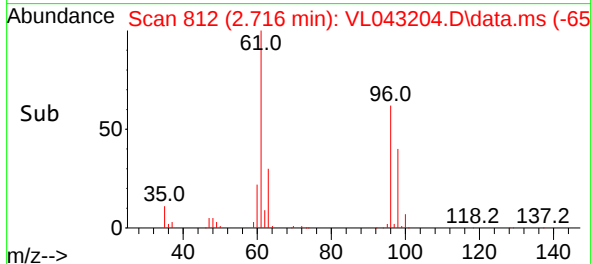
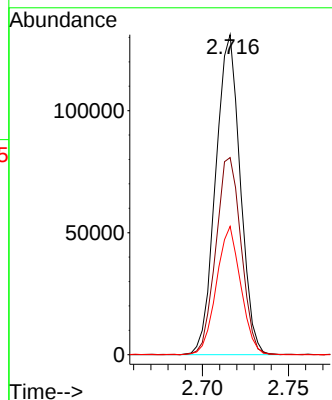
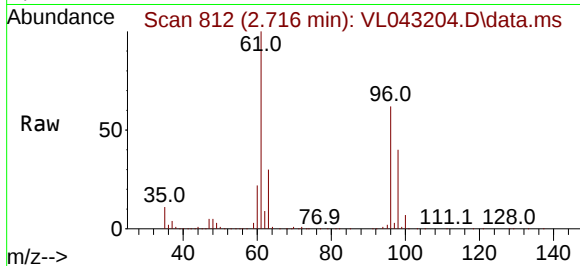




#31
 cis-1,2-Dichloroethene
 Concen: 9.499 ppbv
 RT: 2.716 min Scan# 812
 Delta R.T. 0.000 min
 Lab File: VL043204.D
 Acq: 18 Nov 2025 10:02

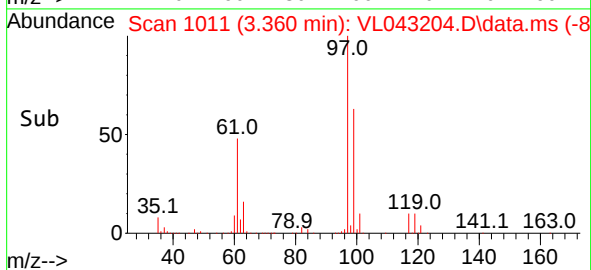
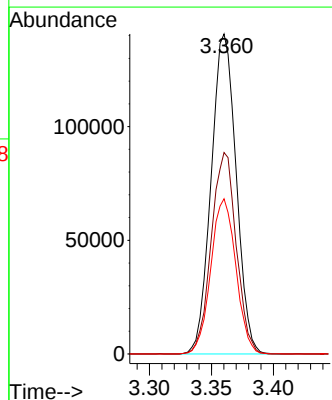
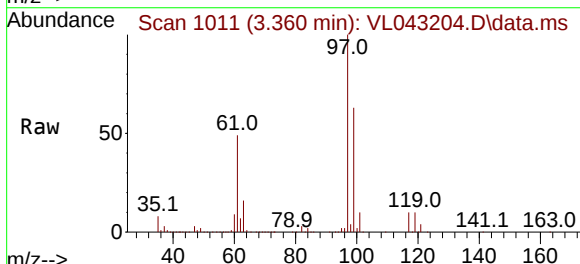
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDICCC010

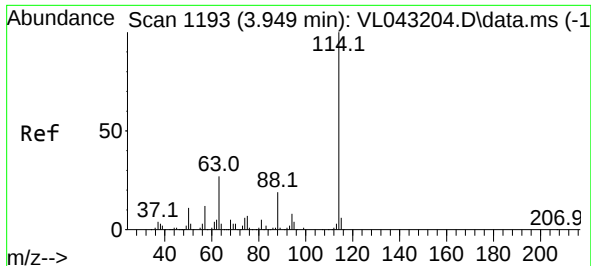
Tgt Ion: 61 Resp: 130357
 Ion Ratio Lower Upper
 61 100
 96 61.6 49.3 73.9
 98 40.1 32.1 48.1



#32
 1,1,1-Trichloroethane
 Concen: 9.381 ppbv
 RT: 3.360 min Scan# 1011
 Delta R.T. 0.000 min
 Lab File: VL043204.D
 Acq: 18 Nov 2025 10:02

Tgt Ion: 97 Resp: 198036
 Ion Ratio Lower Upper
 97 100
 99 62.9 50.3 75.5
 61 48.6 38.9 58.3

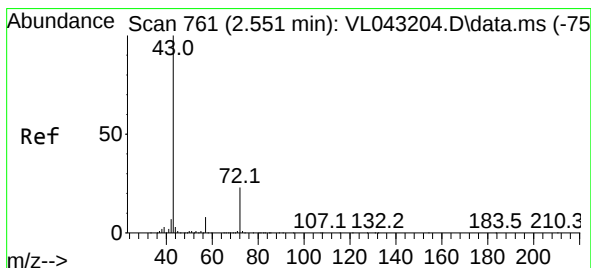
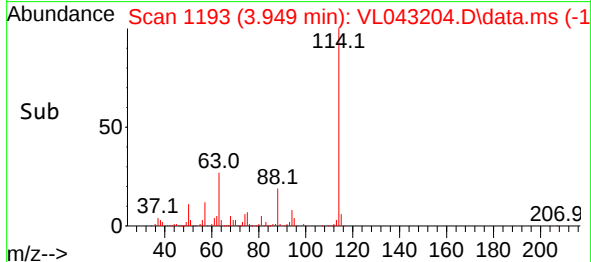
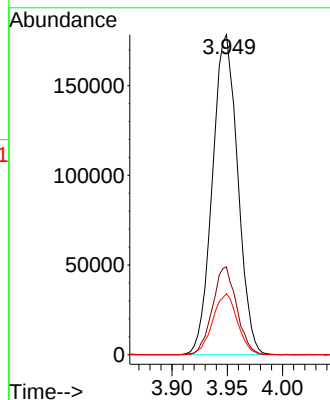
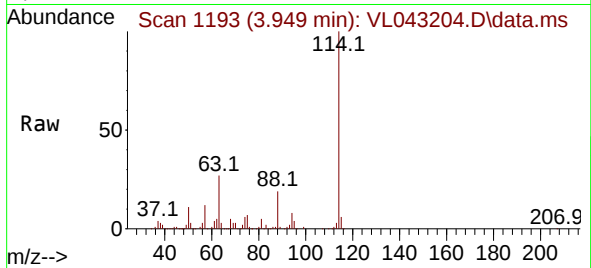




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 3.949 min Scan# 1193
 Delta R.T. 0.000 min
 Lab File: VL043204.D
 Acq: 18 Nov 2025 10:02

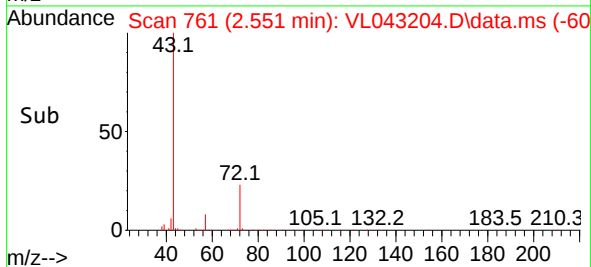
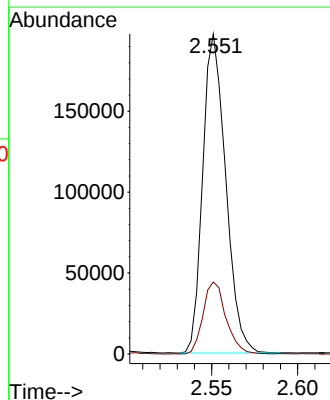
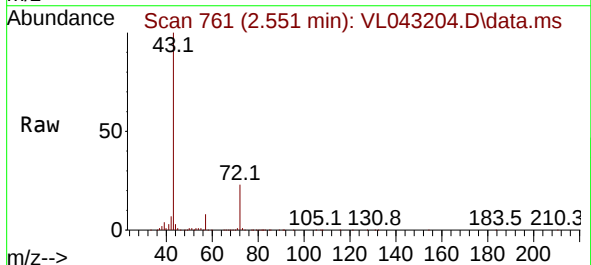
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

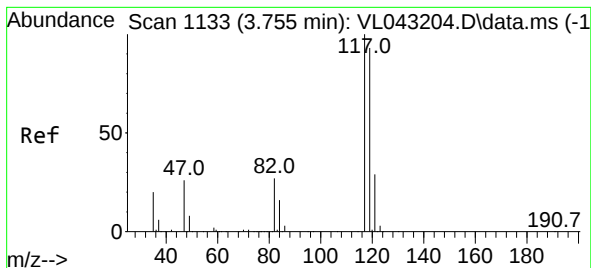
Tgt Ion:114 Resp: 283830
 Ion Ratio Lower Upper
 114 100
 63 26.3 21.0 31.6
 88 18.6 14.9 22.3



#34
 2-Butanone
 Concen: 9.121 ppbv
 RT: 2.551 min Scan# 761
 Delta R.T. 0.000 min
 Lab File: VL043204.D
 Acq: 18 Nov 2025 10:02

Tgt Ion: 43 Resp: 182749
 Ion Ratio Lower Upper
 43 100
 72 22.6 18.1 27.1





#35

Carbon Tetrachloride

Concen: 9.322 ppbv

RT: 3.755 min Scan# 1133

Delta R.T. 0.000 min

Lab File: VL043204.D

Acq: 18 Nov 2025 10:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

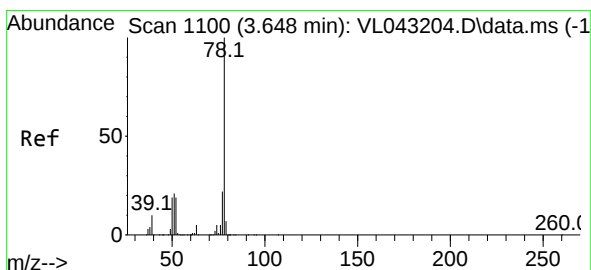
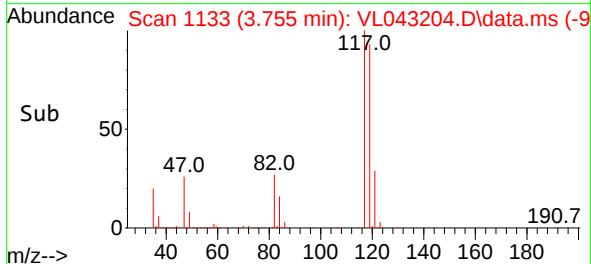
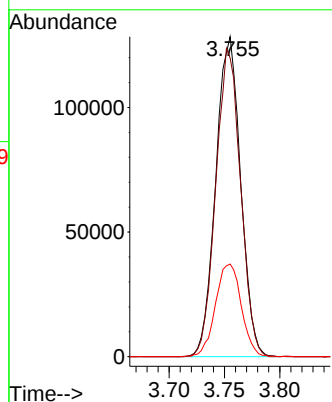
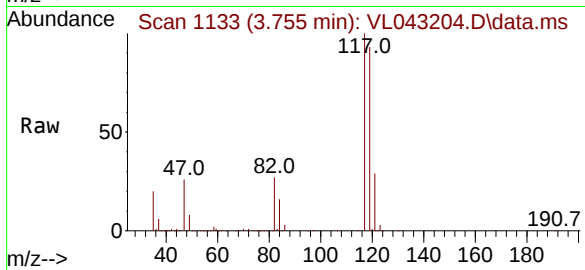
Tgt Ion:117 Resp: 200831

Ion Ratio Lower Upper

117 100

119 93.3 74.6 112.0

121 29.0 23.2 34.8



#36

Benzene

Concen: 9.453 ppbv

RT: 3.648 min Scan# 1100

Delta R.T. 0.000 min

Lab File: VL043204.D

Acq: 18 Nov 2025 10:02

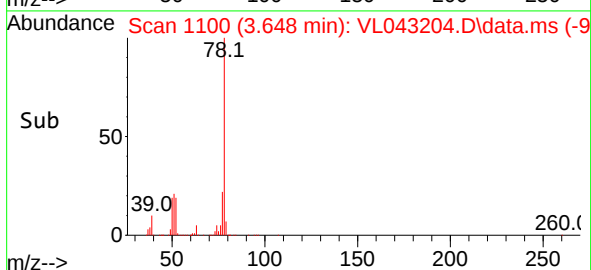
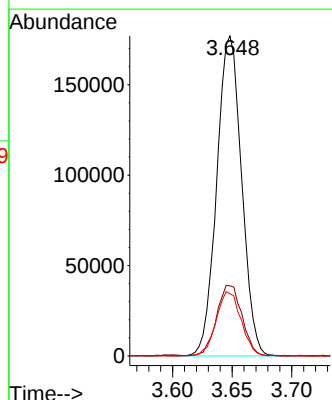
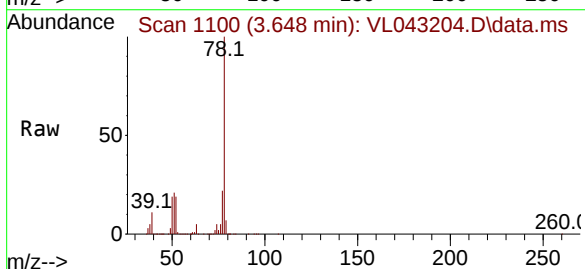
Tgt Ion: 78 Resp: 256954

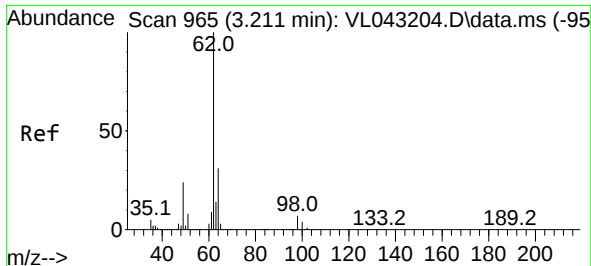
Ion Ratio Lower Upper

78 100

77 21.9 17.5 26.3

50 19.4 15.5 23.3

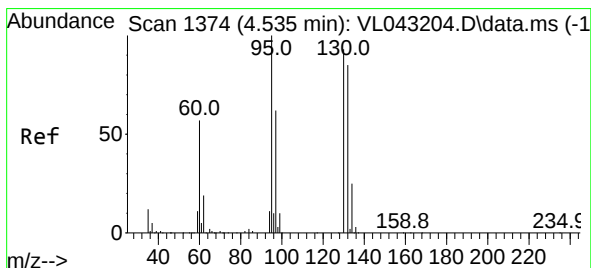
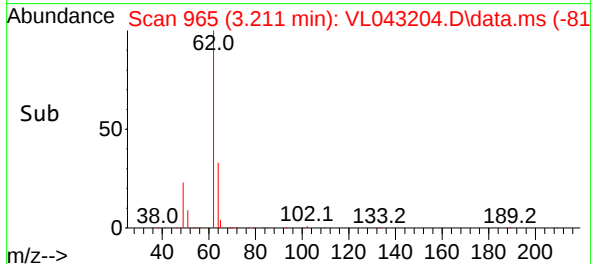
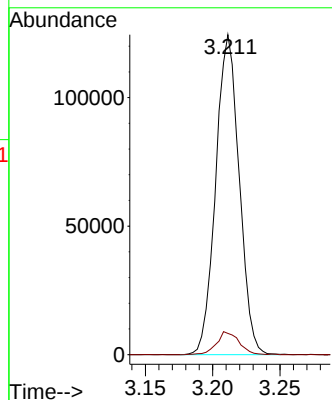
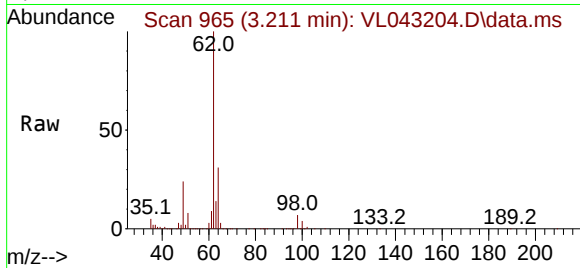




#37
1,2-Dichloroethane
Concen: 9.483 ppbv
RT: 3.211 min Scan# 965
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

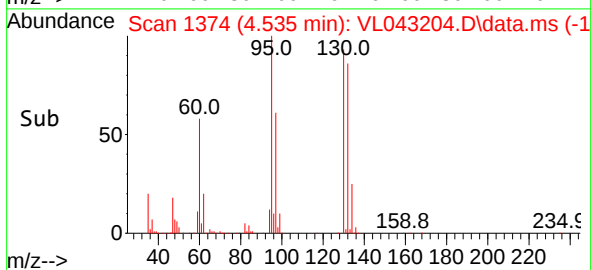
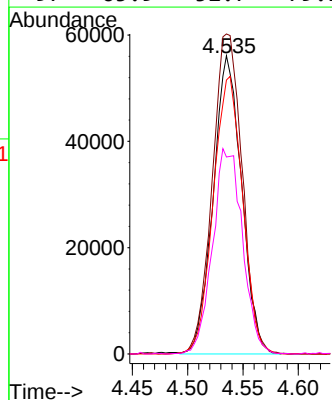
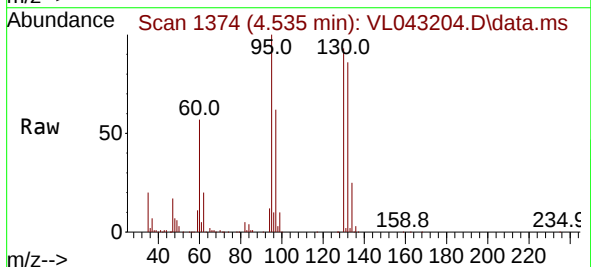
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

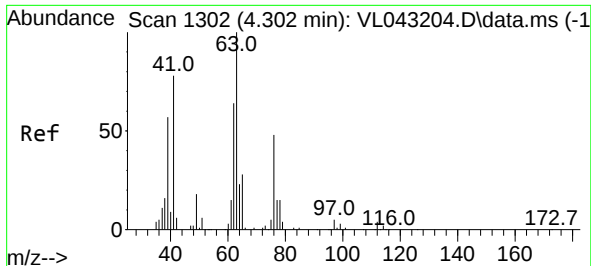
Tgt Ion: 62 Resp: 150769
Ion Ratio Lower Upper
62 100
98 6.9 5.5 8.3



#38
Trichloroethene
Concen: 9.398 ppbv
RT: 4.535 min Scan# 1374
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion:130 Resp: 100136
Ion Ratio Lower Upper
130 100
95 107.1 85.7 128.5
132 91.7 73.4 110.0
97 65.9 52.7 79.1





#39

1,2-Dichloropropane

Concen: 9.559 ppbv

RT: 4.302 min Scan# 1302

Delta R.T. 0.000 min

Lab File: VL043204.D

Acq: 18 Nov 2025 10:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

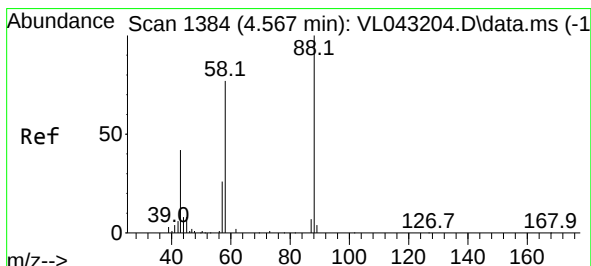
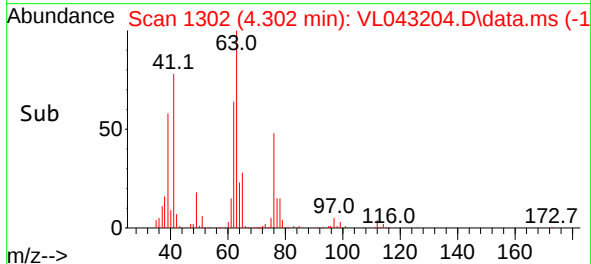
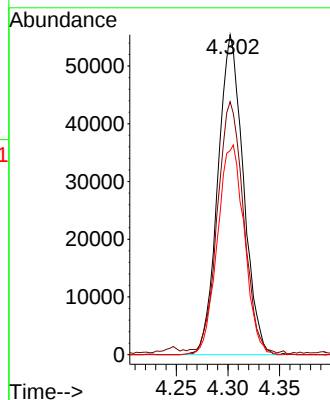
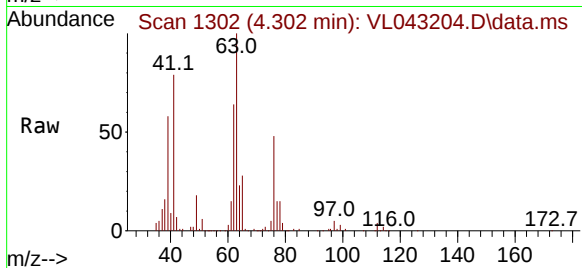
Tgt Ion: 63 Resp: 95097

Ion Ratio Lower Upper

63 100

41 78.2 62.6 93.8

62 63.8 51.0 76.6



#40

1,4-Dioxane

Concen: 9.043 ppbv

RT: 4.567 min Scan# 1384

Delta R.T. 0.000 min

Lab File: VL043204.D

Acq: 18 Nov 2025 10:02

Tgt Ion: 88 Resp: 40441

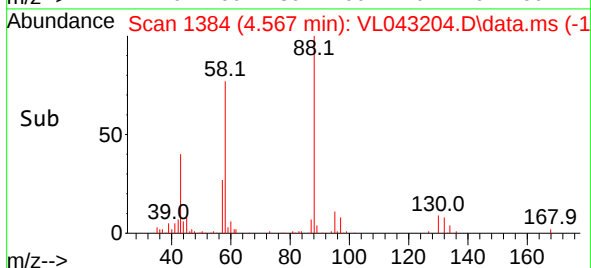
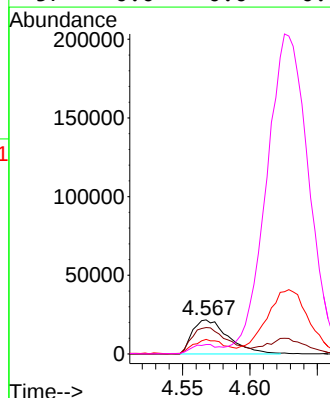
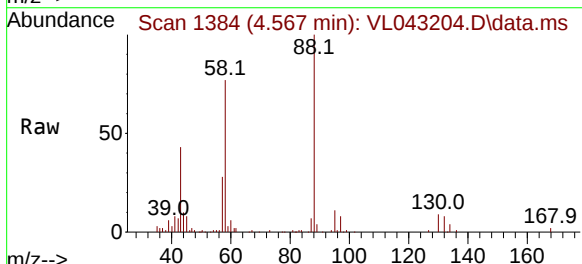
Ion Ratio Lower Upper

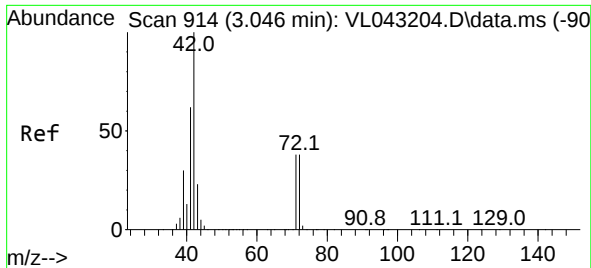
88 100

58 78.8 63.0 94.6

43 40.6 32.5 48.7

57 0.0 0.0 0.0

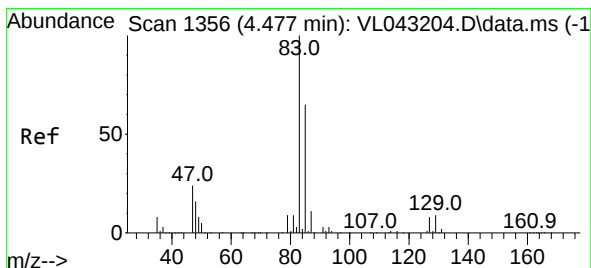
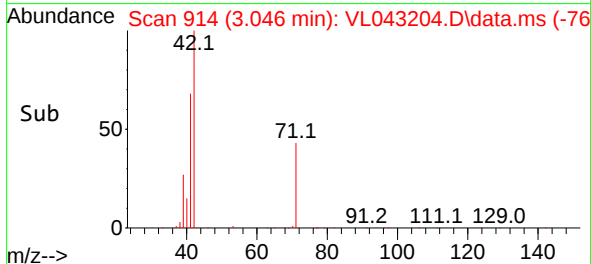
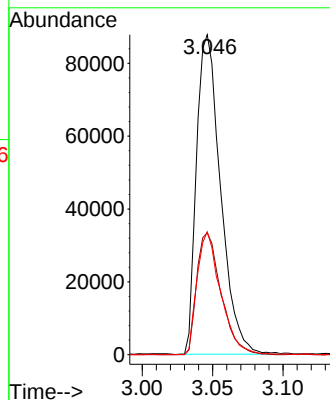
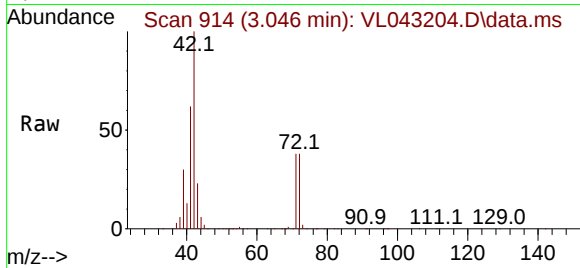




#41
Tetrahydrofuran
Concen: 9.426 ppbv
RT: 3.046 min Scan# 914
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

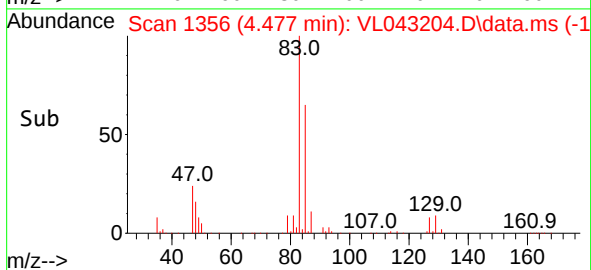
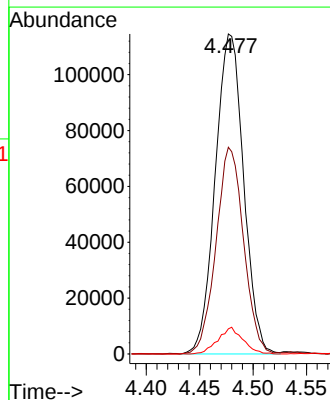
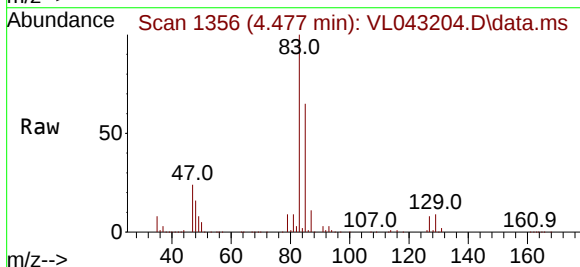
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

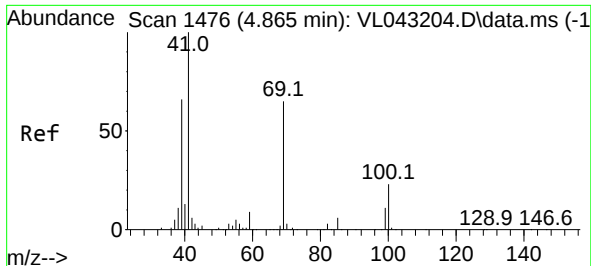
Tgt Ion:	42	Resp:	104294
Ion	Ratio	Lower	Upper
42	100		
72	38.3	30.6	46.0
71	38.1	30.5	45.7



#42
Bromodichloromethane
Concen: 9.643 ppbv
RT: 4.477 min Scan# 1356
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion:	83	Resp:	211504
Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.7	77.5
127	7.9	6.3	9.5

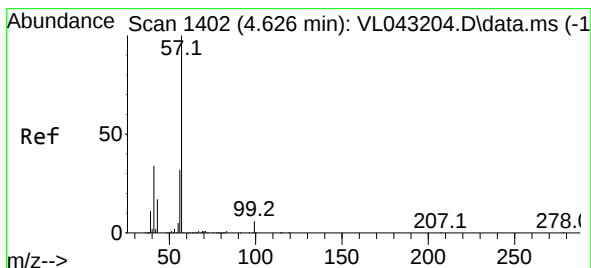
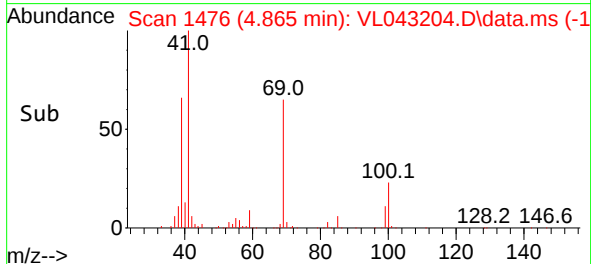
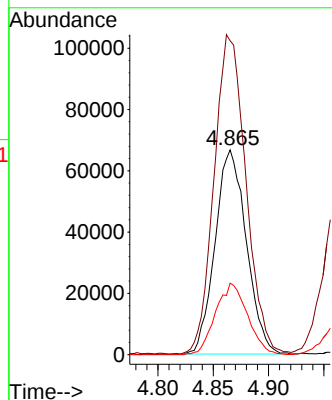
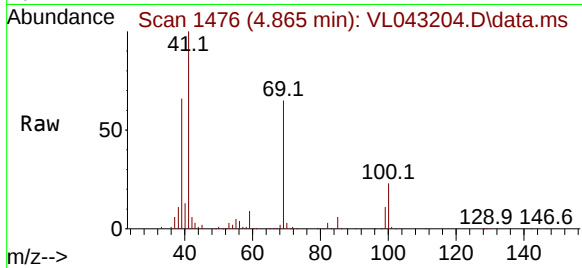




#43
Methyl Methacrylate
Concen: 9.080 ppbv
RT: 4.865 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

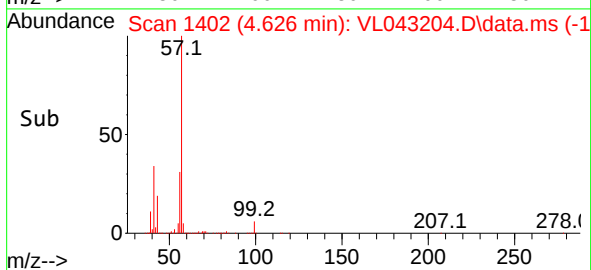
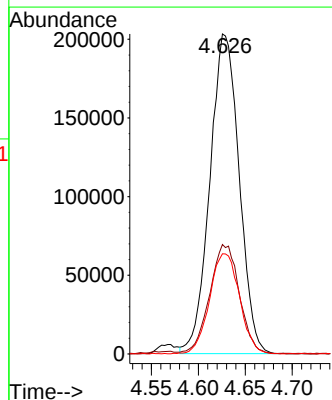
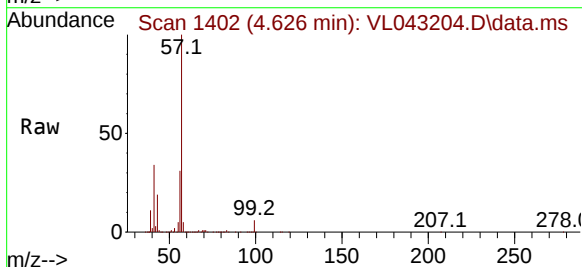
Instrument :
MSVOA_1
ClientSampleId :
VSTDICCC010

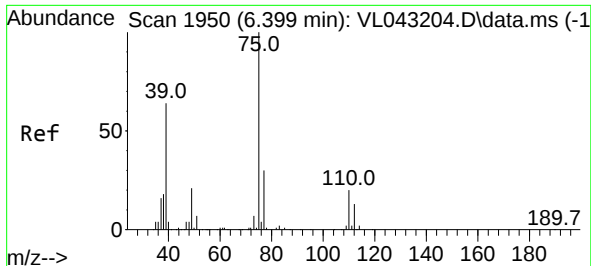
Tgt Ion: 69 Resp: 131003
Ion Ratio Lower Upper
69 100
41 158.4 126.7 190.1
100 35.8 28.6 43.0



#44
2,2,4-Trimethylpentane
Concen: 9.451 ppbv
RT: 4.626 min Scan# 1402
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion: 57 Resp: 441234
Ion Ratio Lower Upper
57 100
41 35.0 28.0 42.0
56 32.0 25.6 38.4





#45

t-1,3-Dichloropropene

Concen: 9.601 ppbv

RT: 6.399 min Scan# 1950

Delta R.T. 0.000 min

Lab File: VL043204.D

Acq: 18 Nov 2025 10:02

Instrument :

MSVOA_1

ClientSampleId :

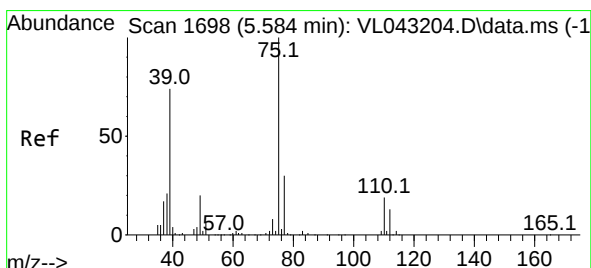
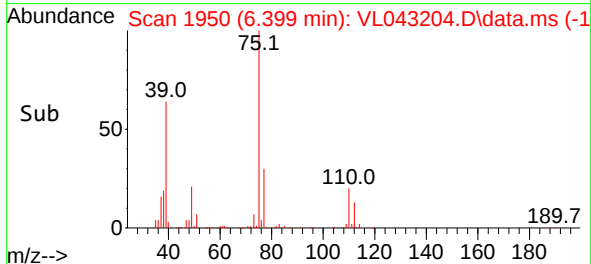
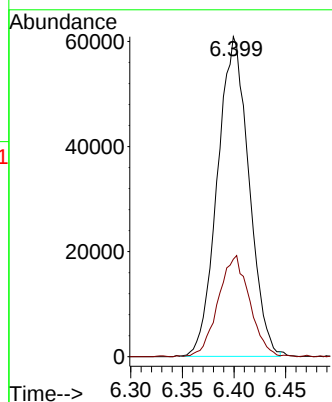
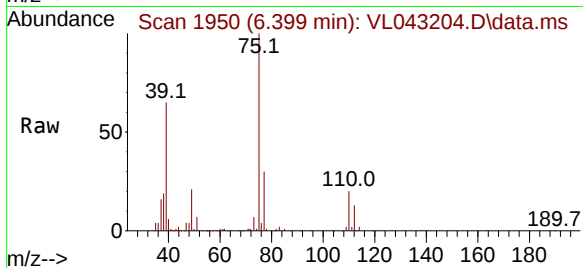
VSTDICCC010

Tgt Ion: 75 Resp: 129122

Ion Ratio Lower Upper

75 100

77 30.4 24.3 36.5



#46

cis-1,3-Dichloropropene

Concen: 9.603 ppbv

RT: 5.584 min Scan# 1698

Delta R.T. 0.000 min

Lab File: VL043204.D

Acq: 18 Nov 2025 10:02

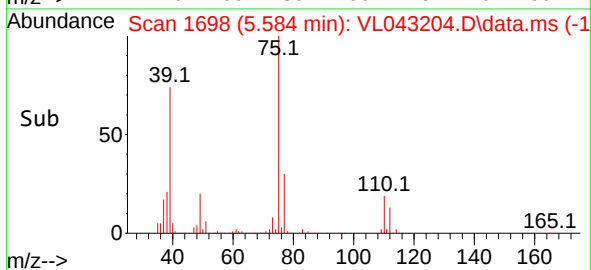
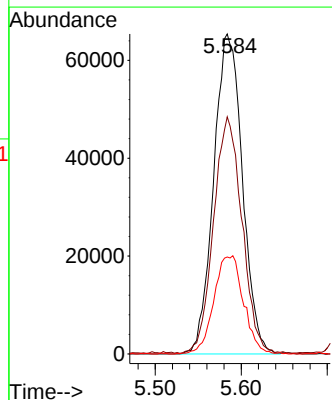
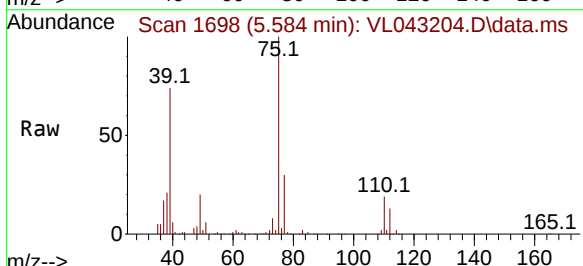
Tgt Ion: 75 Resp: 151655

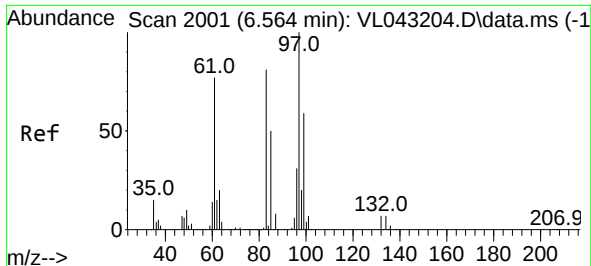
Ion Ratio Lower Upper

75 100

39 73.9 59.1 88.7

77 30.2 24.2 36.2





#47

1,1,2-Trichloroethane

Concen: 9.193 ppbv

RT: 6.564 min Scan# 2001

Delta R.T. 0.000 min

Lab File: VL043204.D

Acq: 18 Nov 2025 10:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 97 Resp: 97512

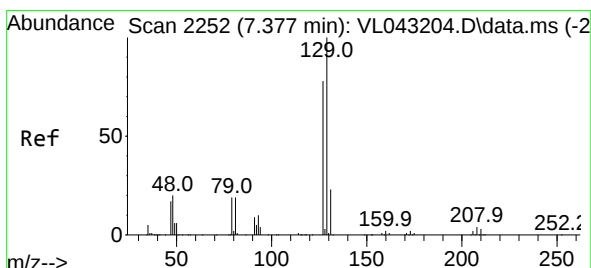
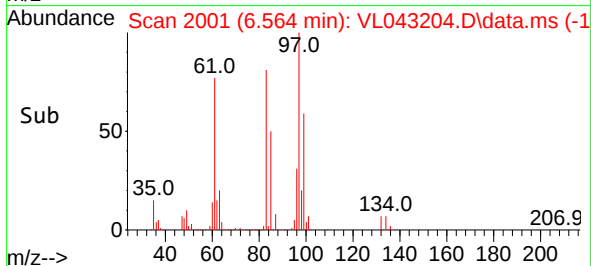
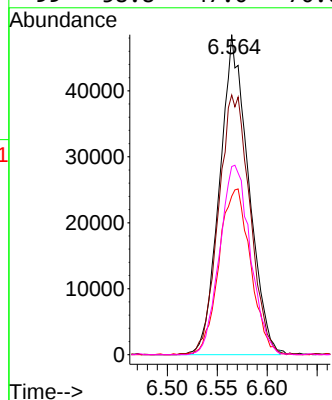
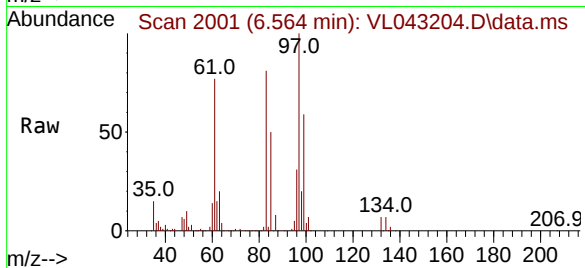
Ion Ratio Lower Upper

97 100

83 80.8 64.6 97.0

85 49.3 39.4 59.2

99 58.8 47.0 70.6



#48

Dibromochloromethane

Concen: 9.670 ppbv

RT: 7.377 min Scan# 2252

Delta R.T. 0.000 min

Lab File: VL043204.D

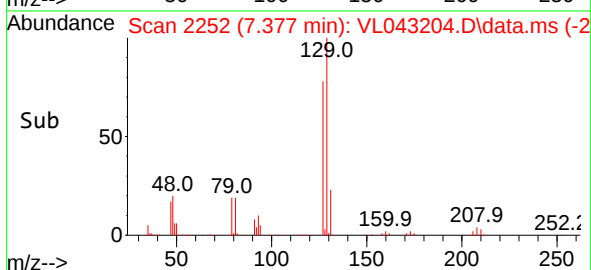
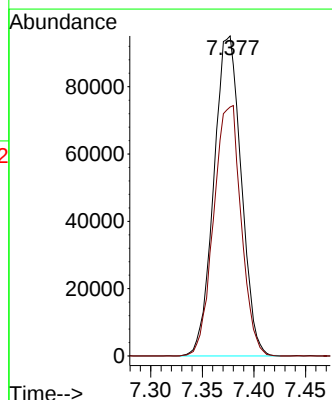
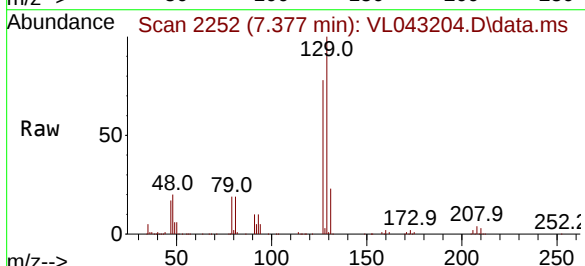
Acq: 18 Nov 2025 10:02

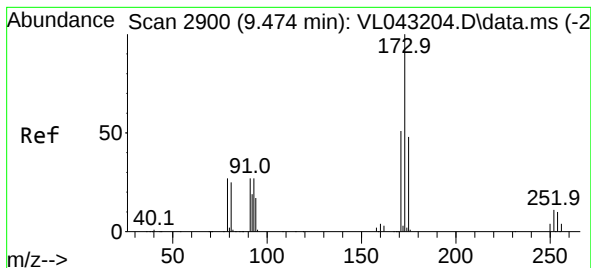
Tgt Ion: 129 Resp: 175529

Ion Ratio Lower Upper

129 100

127 78.6 39.3 117.9





#49

Bromoform

Concen: 9.800 ppbv

RT: 9.474 min Scan# 2900

Delta R.T. 0.000 min

Lab File: VL043204.D

Acq: 18 Nov 2025 10:02

Instrument :

MSVOA_1

ClientSampleId :

VSTDICCC010

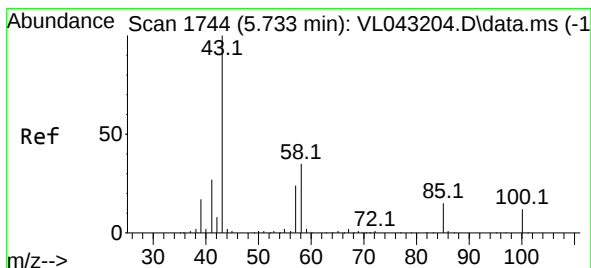
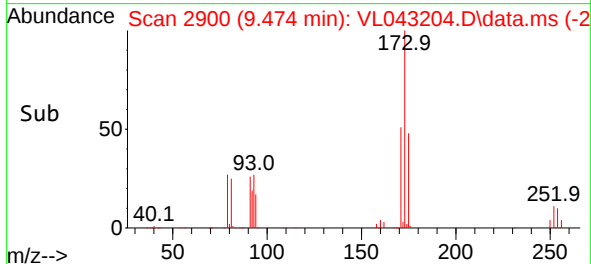
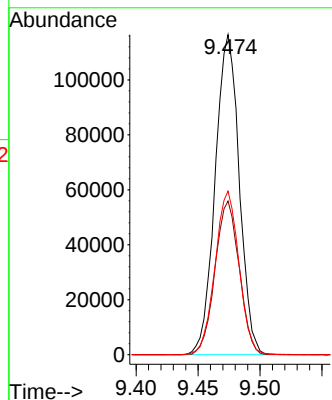
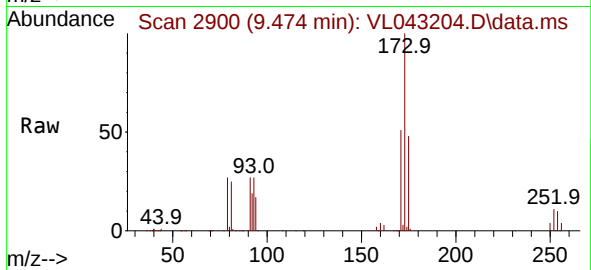
Tgt Ion:173 Resp: 157563

Ion Ratio Lower Upper

173 100

175 48.3 38.6 58.0

171 50.8 40.6 61.0



#50

4-Methyl-2-Pentanone

Concen: 9.509 ppbv

RT: 5.733 min Scan# 1744

Delta R.T. 0.000 min

Lab File: VL043204.D

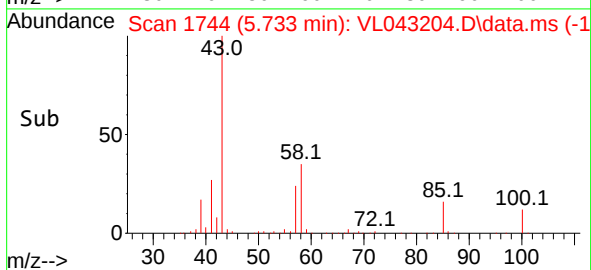
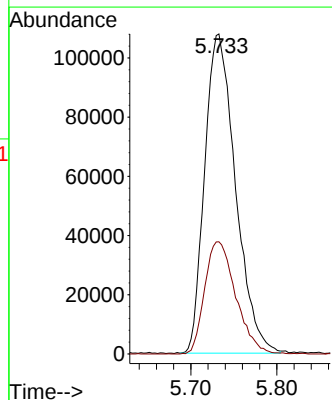
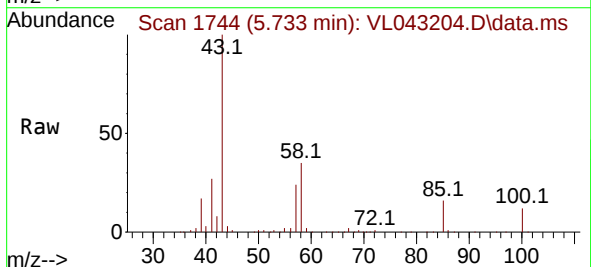
Acq: 18 Nov 2025 10:02

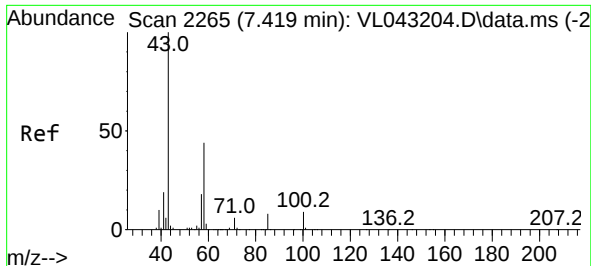
Tgt Ion: 43 Resp: 268369

Ion Ratio Lower Upper

43 100

58 35.5 28.4 42.6

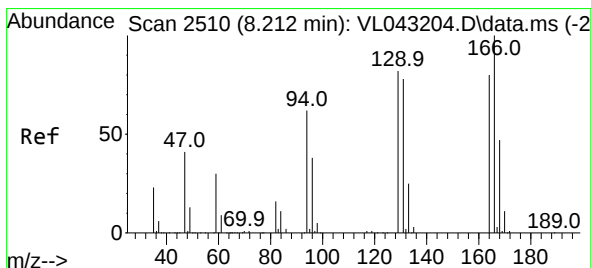
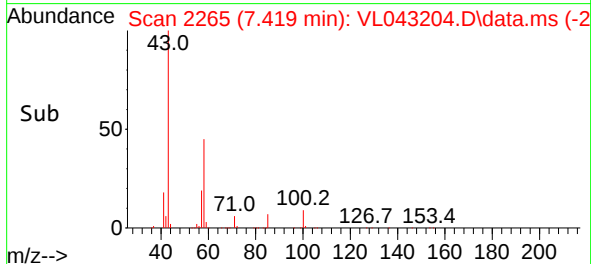
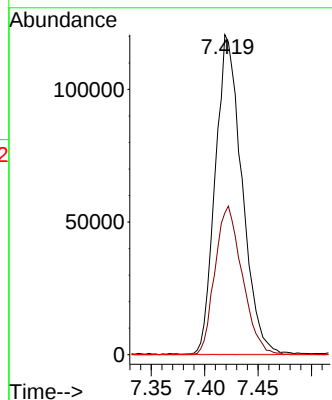
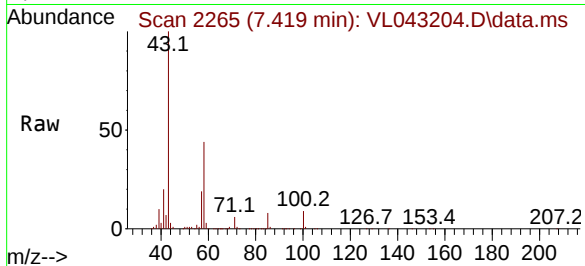




#51
2-Hexanone
Concen: 9.503 ppbv
RT: 7.419 min Scan# 2110
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

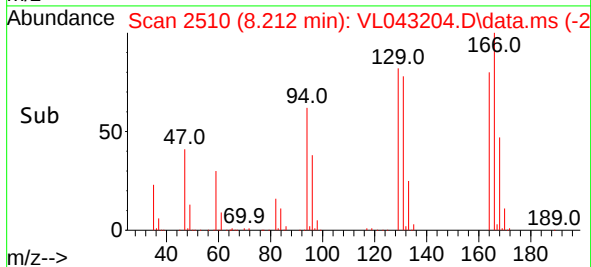
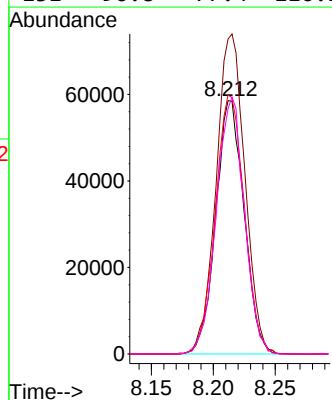
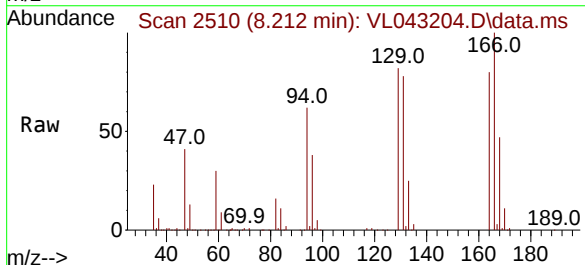
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

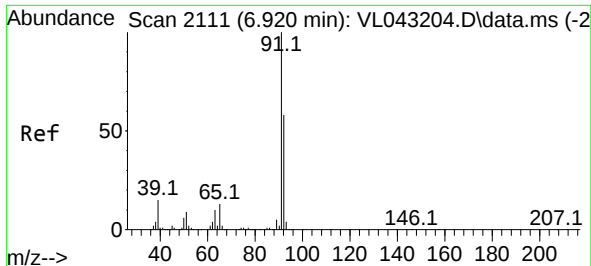
Tgt Ion: 43 Resp: 208268
Ion Ratio Lower Upper
43 100
58 48.0 38.4 57.6
98 0.0 0.0 0.0#



#52
Tetrachloroethene
Concen: 9.249 ppbv
RT: 8.212 min Scan# 2510
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion: 164 Resp: 93518
Ion Ratio Lower Upper
164 100
166 124.3 99.4 149.2
129 102.3 81.8 122.8
131 96.8 77.4 116.2

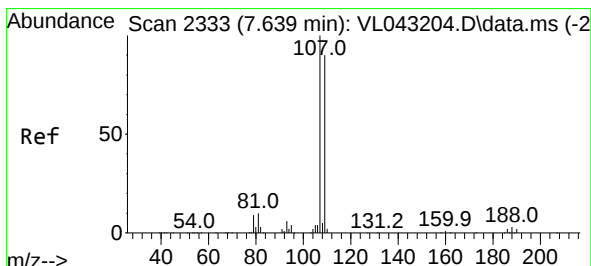
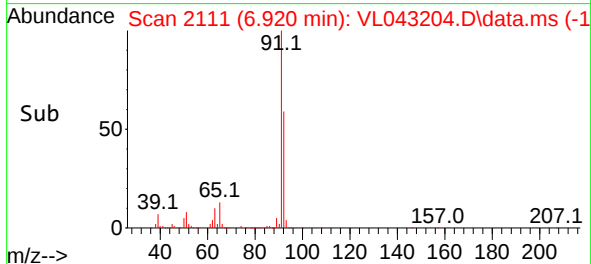
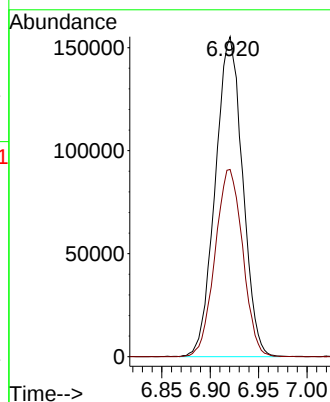
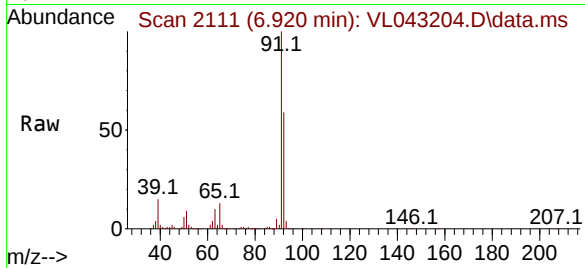




#53
Toluene
Concen: 9.422 ppbv
RT: 6.920 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

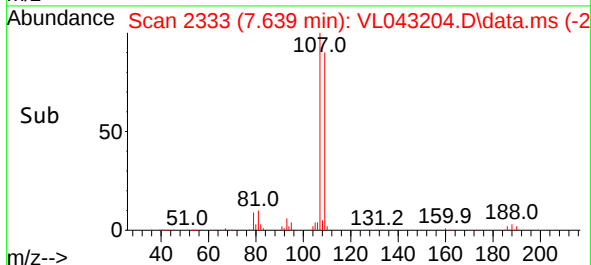
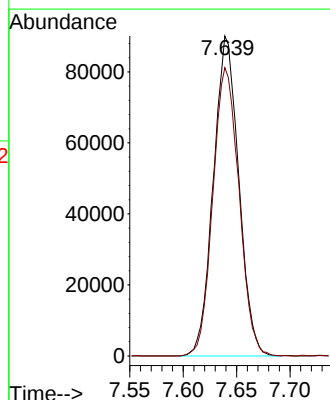
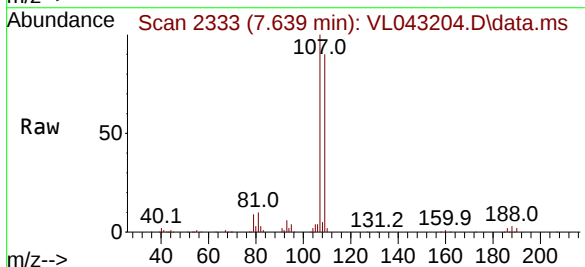
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

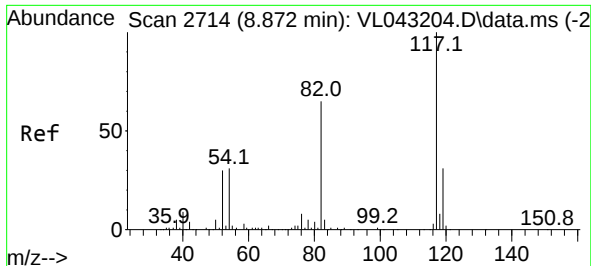
Tgt Ion: 91 Resp: 305169
Ion Ratio Lower Upper
91 100
92 59.2 47.4 71.0



#54
1,2-Dibromoethane
Concen: 9.588 ppbv
RT: 7.639 min Scan# 2333
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion: 107 Resp: 148973
Ion Ratio Lower Upper
107 100
109 90.1 72.1 108.1

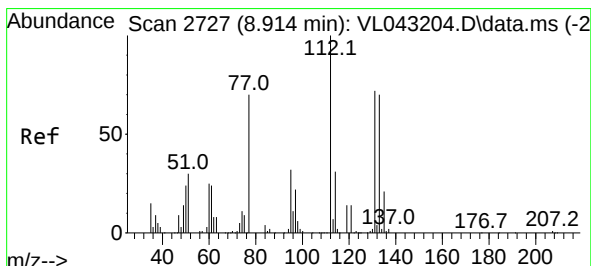
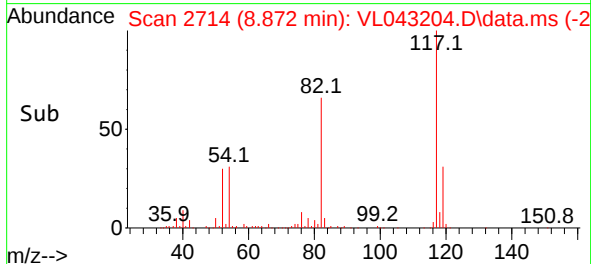
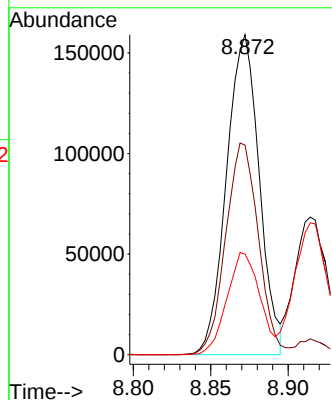
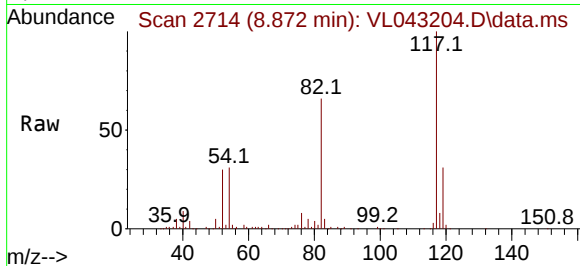




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.872 min Scan# 2714
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

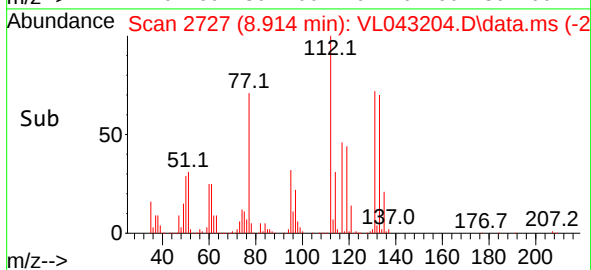
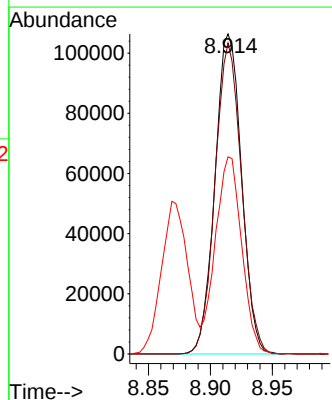
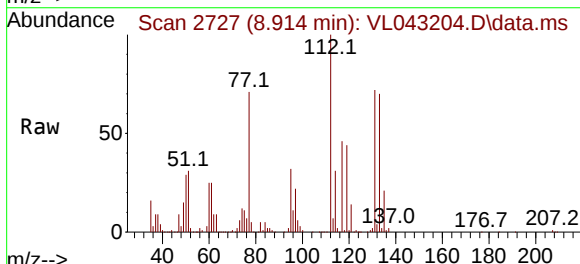
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

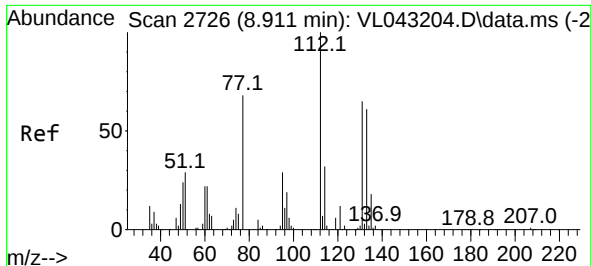
Tgt Ion:117 Resp: 234772
Ion Ratio Lower Upper
117 100
82 70.1 56.1 84.1
119 31.3 25.0 37.6



#56
1,1,1,2-Tetrachloroethane
Concen: 9.207 ppbv
RT: 8.914 min Scan# 2727
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion:131 Resp: 158856
Ion Ratio Lower Upper
131 100
133 96.8 77.4 116.2
119 61.4 49.1 73.7

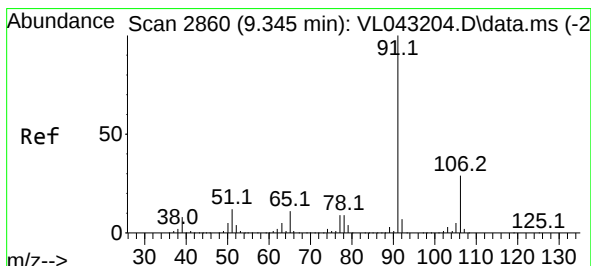
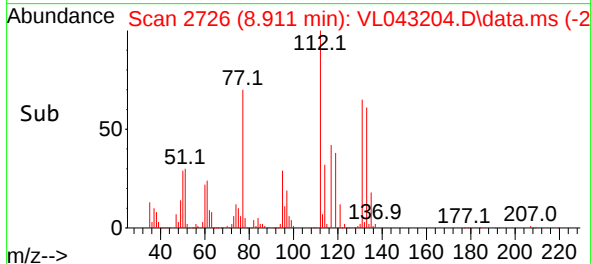
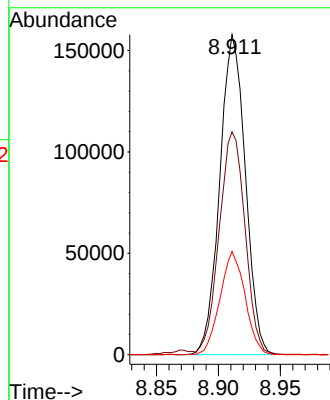
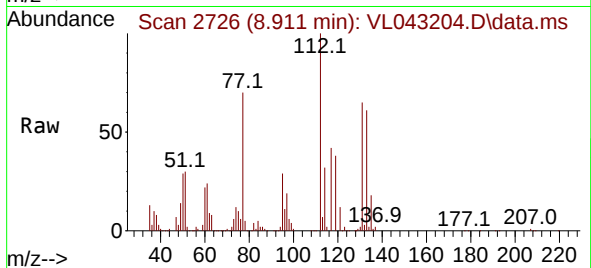




#57
Chlorobenzene
Concen: 9.438 ppbv
RT: 8.911 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

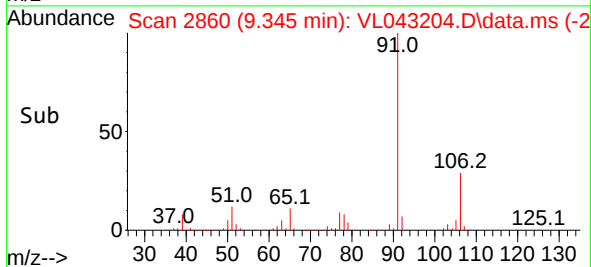
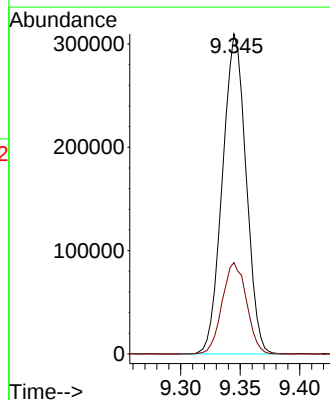
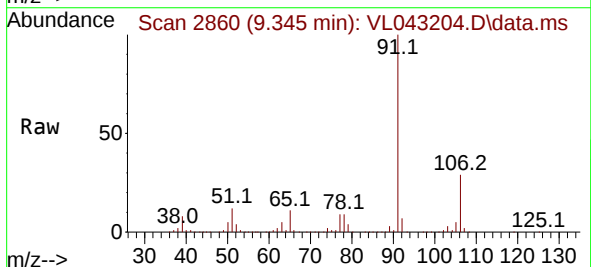
Instrument :
MSVOA_1
ClientSampleId :
VSTDICCC010

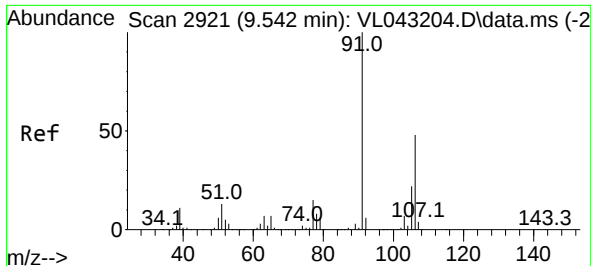
Tgt Ion:112 Resp: 227490
Ion Ratio Lower Upper
112 100
77 69.4 55.5 83.3
114 32.3 29.1 35.5



#58
Ethyl Benzene
Concen: 9.461 ppbv
RT: 9.345 min Scan# 2860
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion: 91 Resp: 427530
Ion Ratio Lower Upper
91 100
106 28.5 22.8 34.2





#59

m/p-Xylene

Concen: 8.707 ppbv

RT: 9.542 min Scan# 2921

Delta R.T. 0.000 min

Lab File: VL043204.D

Acq: 18 Nov 2025 10:02

Instrument :

MSVOA_1

ClientSampleId :

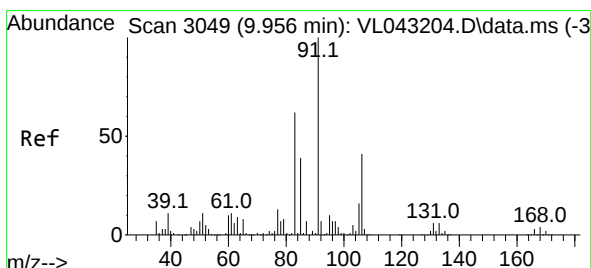
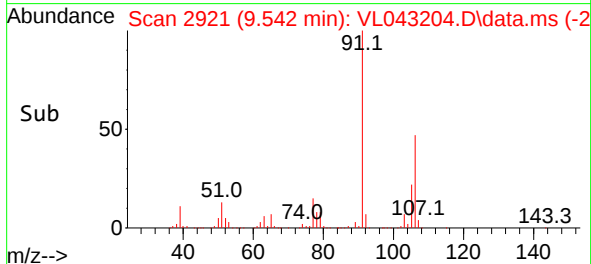
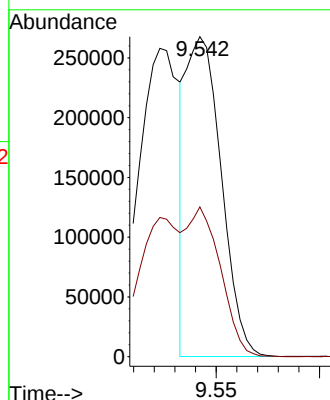
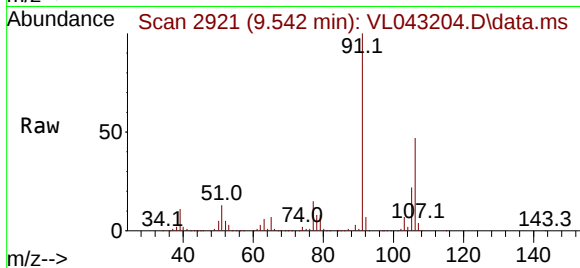
VSTDICCC010

Tgt Ion: 91 Resp: 316603

Ion Ratio Lower Upper

91 100

106 95.9 36.1 54.1#



#60

o-Xylene

Concen: 9.202 ppbv

RT: 9.956 min Scan# 3049

Delta R.T. 0.000 min

Lab File: VL043204.D

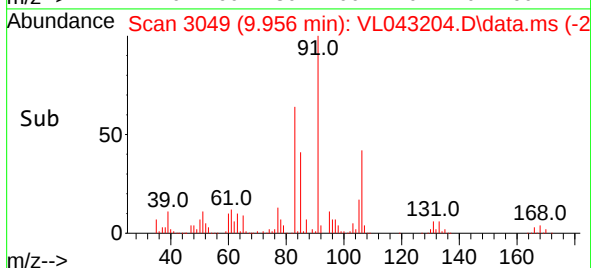
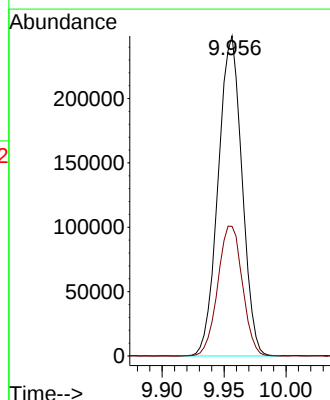
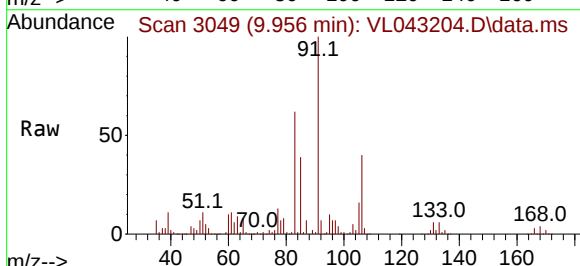
Acq: 18 Nov 2025 10:02

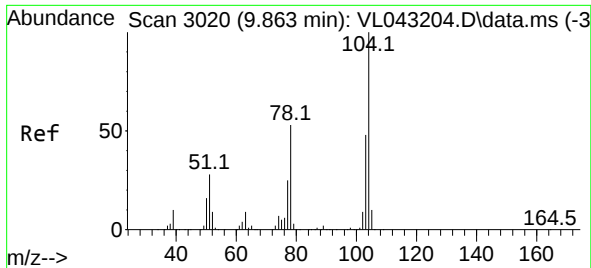
Tgt Ion: 91 Resp: 333044

Ion Ratio Lower Upper

91 100

106 41.9 20.9 62.8





#61

Styrene

Concen: 9.607 ppbv

RT: 9.863 min Scan# 3020

Delta R.T. 0.000 min

Lab File: VL043204.D

Acq: 18 Nov 2025 10:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

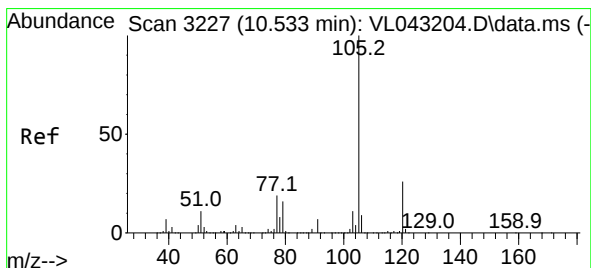
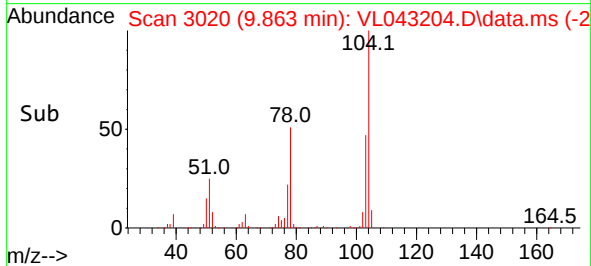
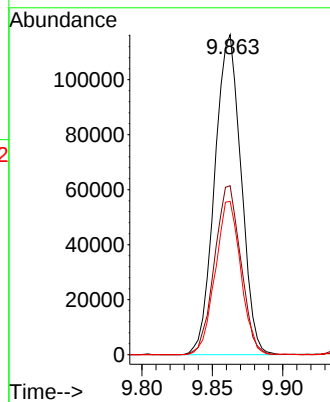
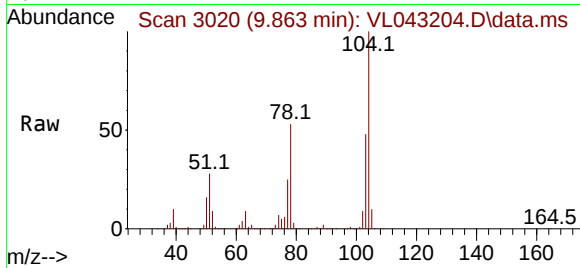
Tgt Ion:104 Resp: 152172

Ion Ratio Lower Upper

104 100

78 52.6 42.1 63.1

103 46.5 37.2 55.8



#62

Isopropylbenzene

Concen: 9.269 ppbv

RT: 10.533 min Scan# 3227

Delta R.T. 0.000 min

Lab File: VL043204.D

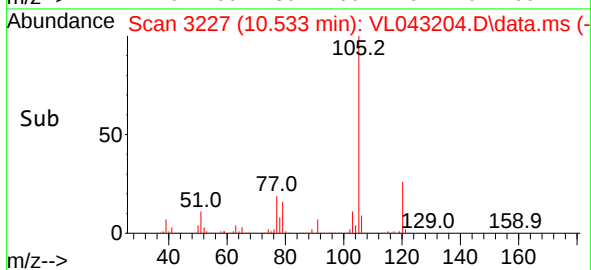
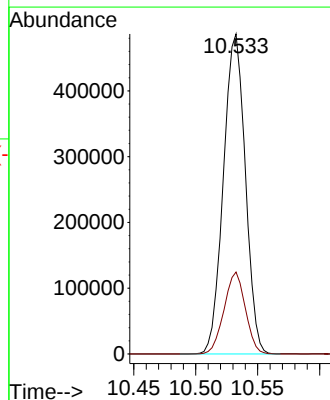
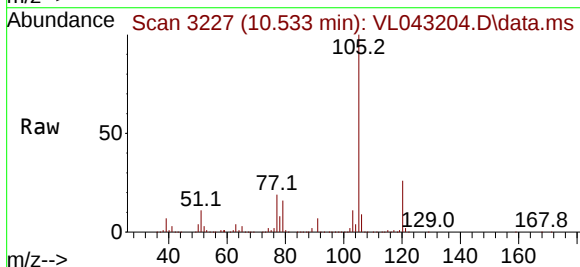
Acq: 18 Nov 2025 10:02

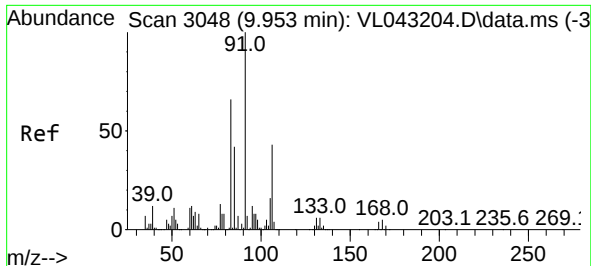
Tgt Ion:105 Resp: 600155

Ion Ratio Lower Upper

105 100

120 24.8 19.8 29.8





#63

1,1,2,2-Tetrachloroethane

Concen: 9.109 ppbv

RT: 9.953 min Scan# 3048

Delta R.T. 0.000 min

Lab File: VL043204.D

Acq: 18 Nov 2025 10:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

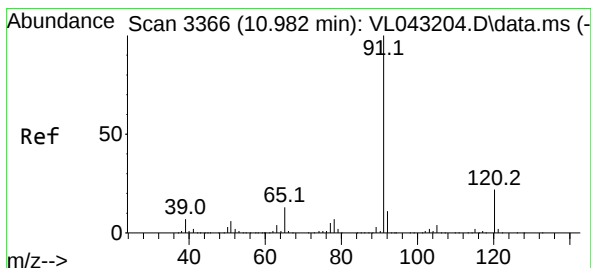
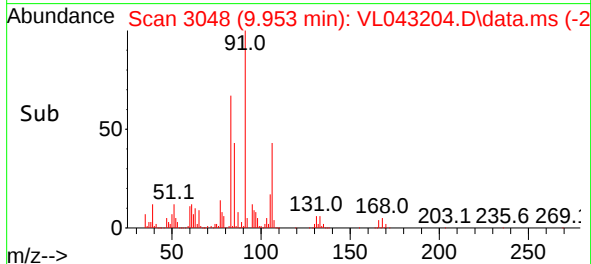
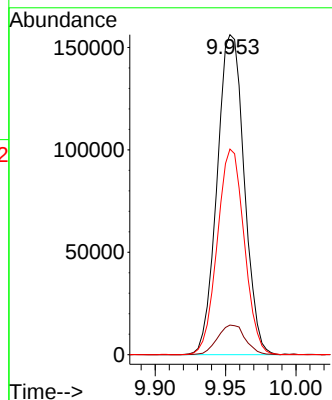
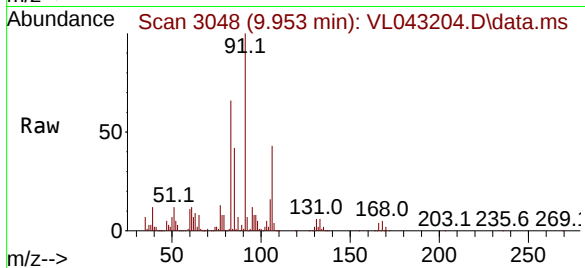
Tgt Ion: 83 Resp: 209272

Ion Ratio Lower Upper

83 100

131 9.5 4.8 14.3

85 63.9 31.9 95.9



#64

n-propylbenzene

Concen: 9.271 ppbv

RT: 10.982 min Scan# 3366

Delta R.T. 0.000 min

Lab File: VL043204.D

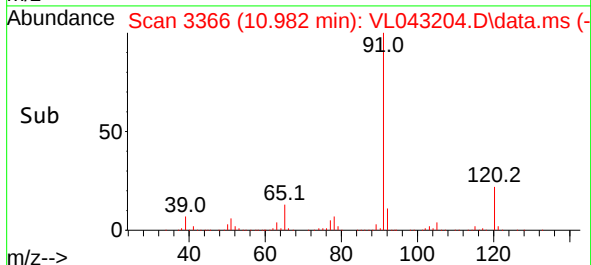
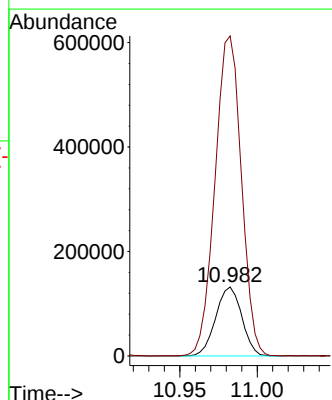
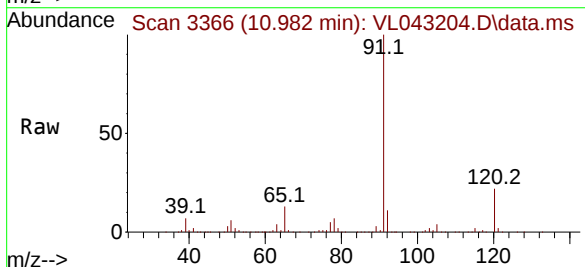
Acq: 18 Nov 2025 10:02

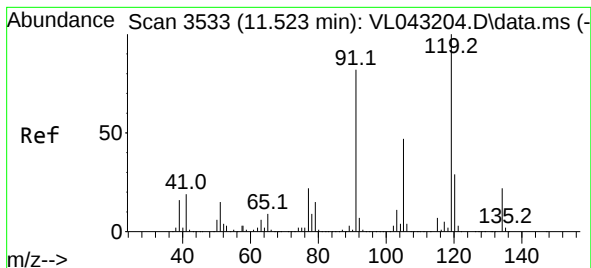
Tgt Ion: 120 Resp: 154239

Ion Ratio Lower Upper

120 100

91 471.4 377.1 565.7





#65

tert-Butylbenzene

Concen: 9.029 ppbv

RT: 11.523 min Scan# 3533

Delta R.T. 0.000 min

Lab File: VL043204.D

Acq: 18 Nov 2025 10:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

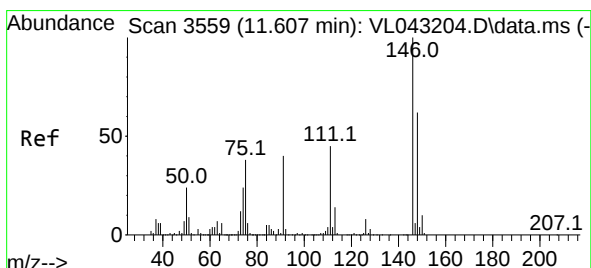
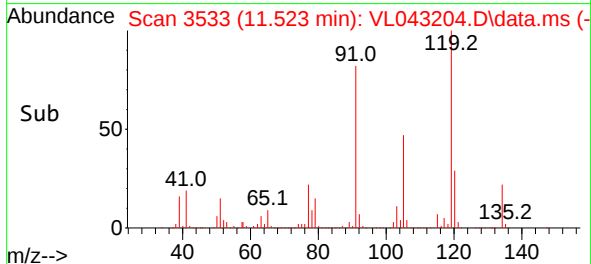
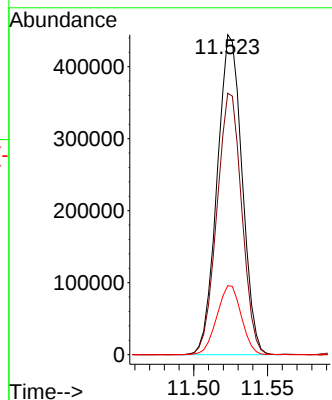
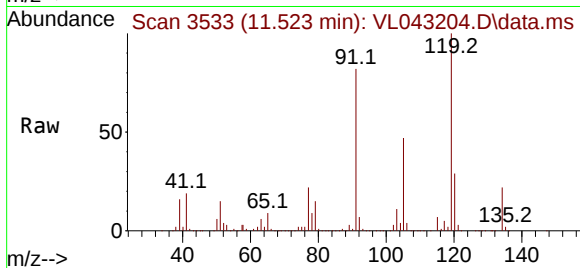
Tgt Ion:119 Resp: 522106

Ion Ratio Lower Upper

119 100

91 81.6 65.3 97.9

134 21.2 17.0 25.4



#66

Benzyl Chloride

Concen: 9.649 ppbv

RT: 11.607 min Scan# 3559

Delta R.T. 0.000 min

Lab File: VL043204.D

Acq: 18 Nov 2025 10:02

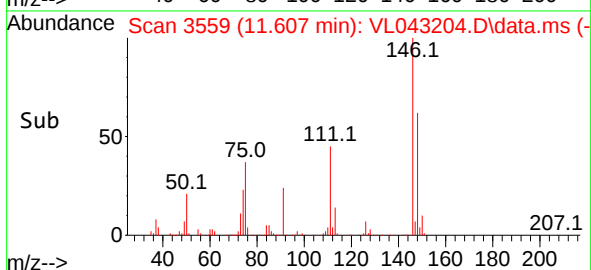
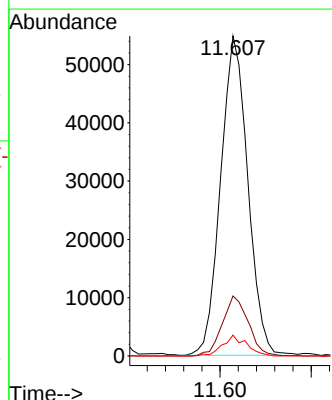
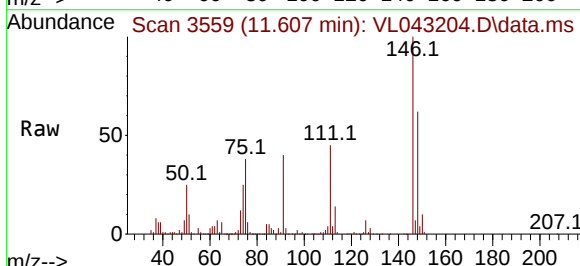
Tgt Ion: 91 Resp: 56620

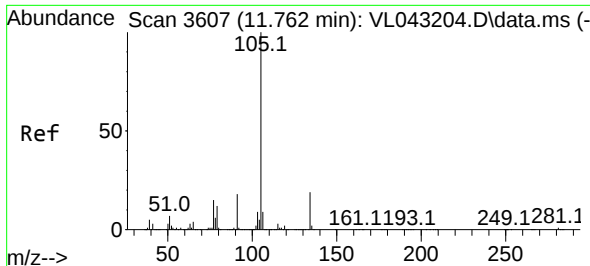
Ion Ratio Lower Upper

91 100

126 18.0 14.4 21.6

128 5.7 4.6 6.8

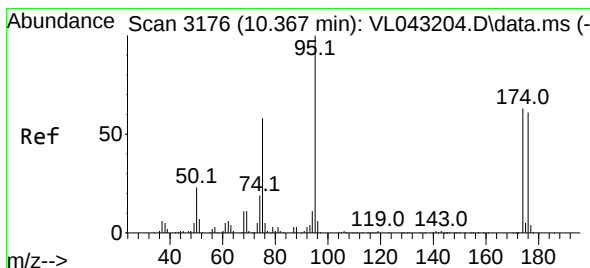
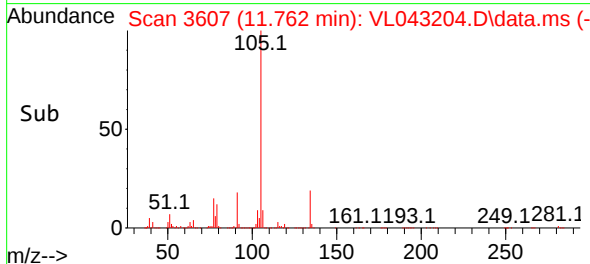
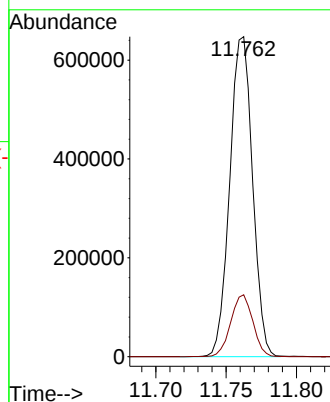
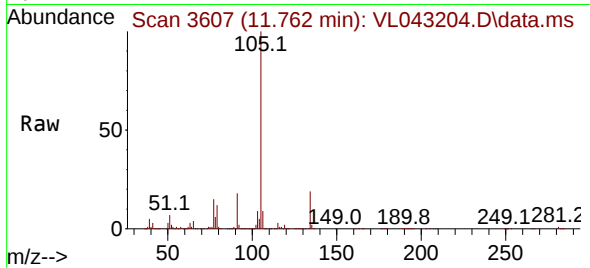




#67
 sec-Butylbenzene
 Concen: 9.039 ppbv
 RT: 11.762 min Scan# 3607
 Delta R.T. 0.000 min
 Lab File: VL043204.D
 Acq: 18 Nov 2025 10:02

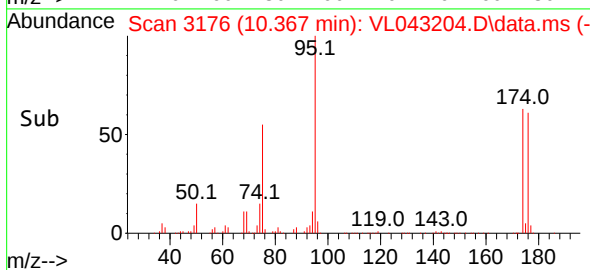
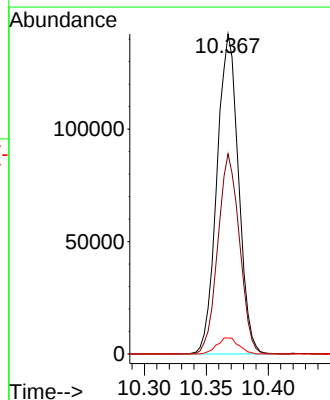
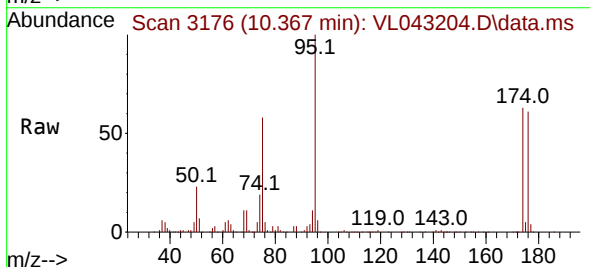
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDICCC010

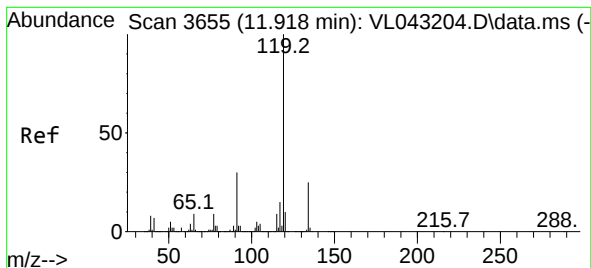
Tgt Ion:105 Resp: 729573
 Ion Ratio Lower Upper
 105 100
 134 18.8 15.0 22.6



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.025 ppbv
 RT: 10.367 min Scan# 3176
 Delta R.T. 0.000 min
 Lab File: VL043204.D
 Acq: 18 Nov 2025 10:02

Tgt Ion: 95 Resp: 172524
 Ion Ratio Lower Upper
 95 100
 174 62.7 50.2 75.2
 175 5.1 4.1 6.1

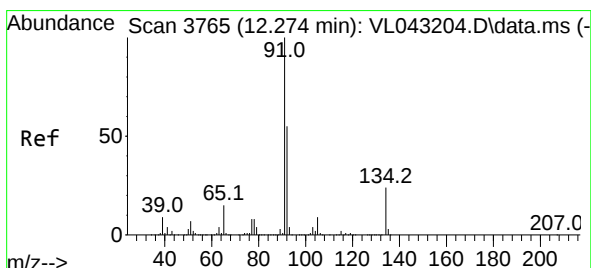
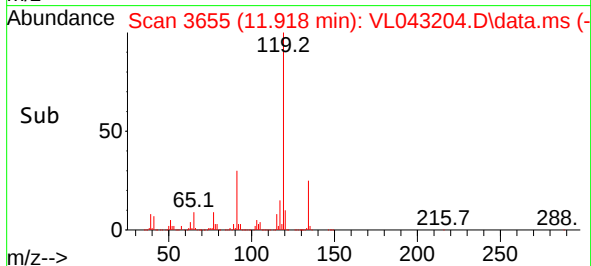
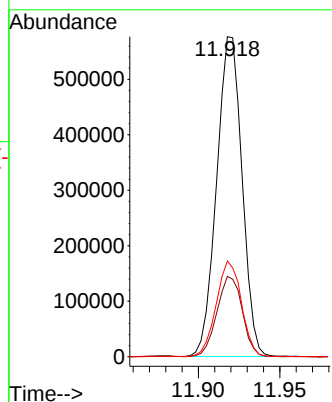
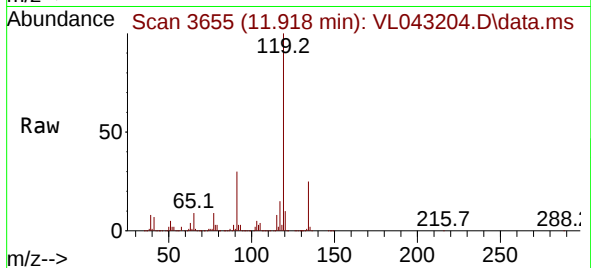




#69
p-Isopropyltoluene
Concen: 9.135 ppbv
RT: 11.918 min Scan# 3655
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

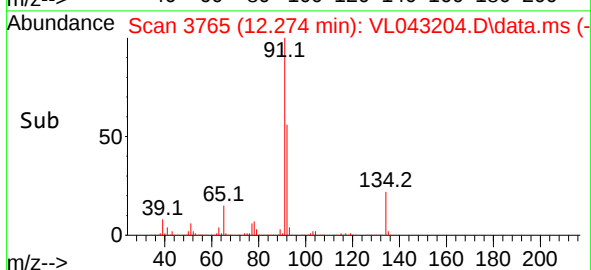
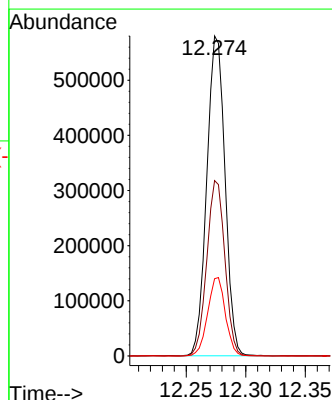
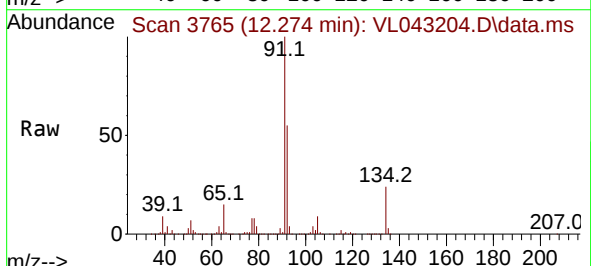
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

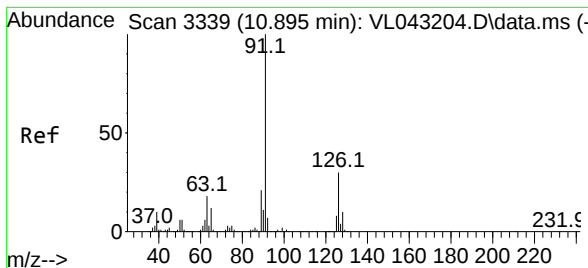
Tgt Ion:119 Resp: 624586
Ion Ratio Lower Upper
119 100
134 25.2 20.2 30.2
91 29.8 23.8 35.8



#70
n-Butylbenzene
Concen: 9.341 ppbv
RT: 12.274 min Scan# 3765
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion: 91 Resp: 619610
Ion Ratio Lower Upper
91 100
92 54.4 43.5 65.3
134 23.8 19.0 28.6

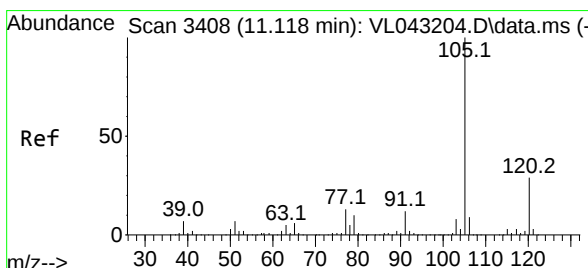
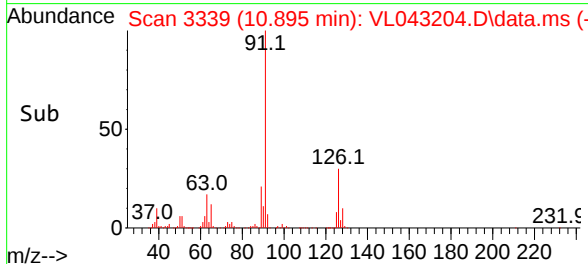
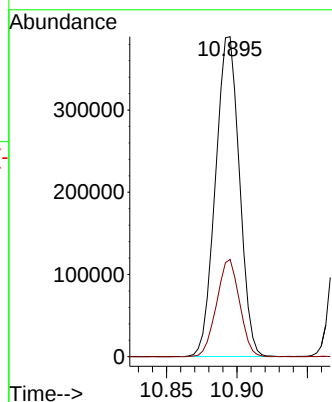
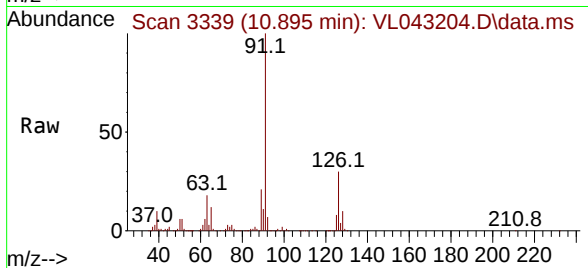




#71
2-Chlorotoluene
Concen: 9.245 ppbv
RT: 10.895 min Scan# 311
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

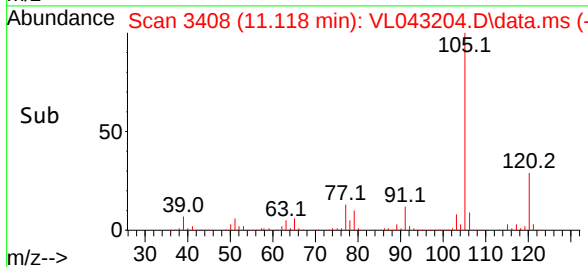
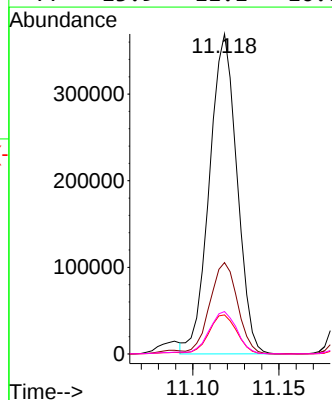
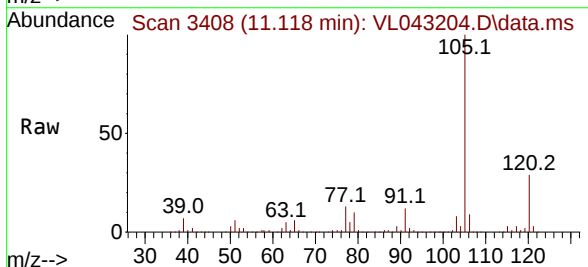
Instrument :
MSVOA_1
ClientSampleId :
VSTDICCC010

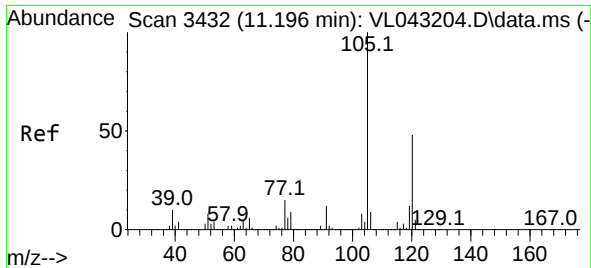
Tgt Ion: 91 Resp: 460118
Ion Ratio Lower Upper
91 100
126 29.2 11.7 46.7



#72
4-Ethyltoluene
Concen: 9.316 ppbv
RT: 11.118 min Scan# 3408
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion: 105 Resp: 410587
Ion Ratio Lower Upper
105 100
120 29.8 23.8 35.8
91 12.9 10.3 15.5
77 13.9 11.1 16.7

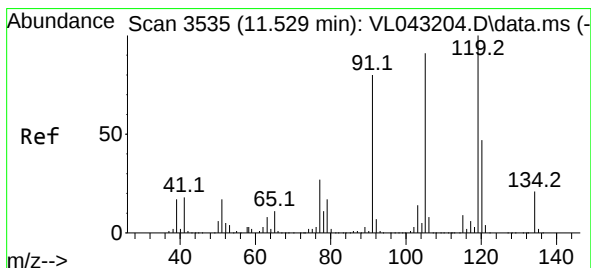
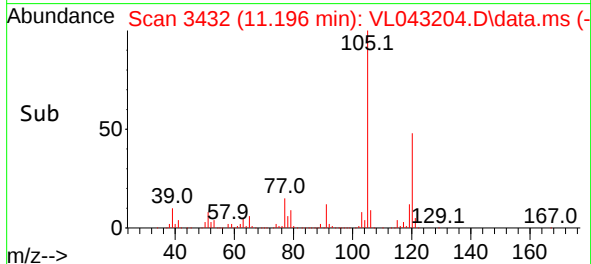
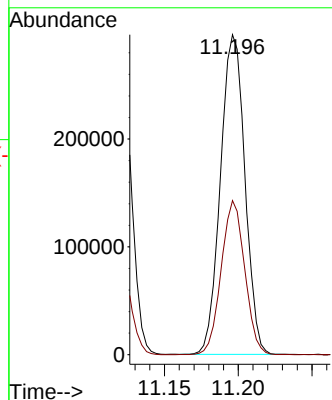
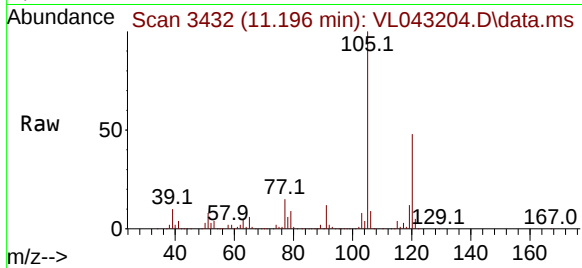




#73
1,3,5-Trimethylbenzene
Concen: 9.244 ppbv
RT: 11.196 min Scan# 3432
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

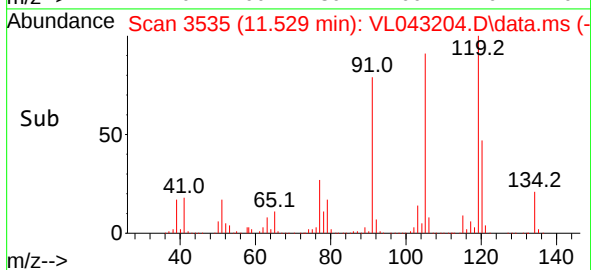
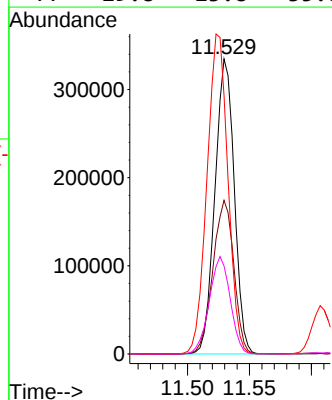
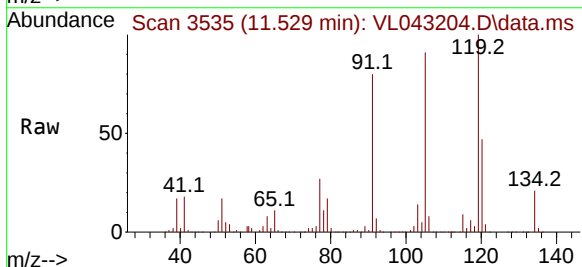
Instrument :
MSVOA_1
ClientSampleId :
VSTDICCC010

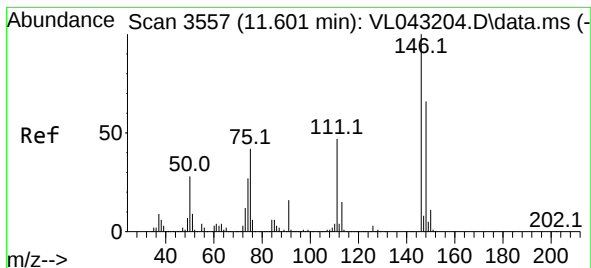
Tgt Ion:105 Resp: 341900
Ion Ratio Lower Upper
105 100
120 48.2 38.6 57.8



#74
1,2,4-Trimethylbenzene
Concen: 9.005 ppbv
RT: 11.529 min Scan# 3535
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion:105 Resp: 363476
Ion Ratio Lower Upper
105 100
120 52.1 41.7 62.5
91 87.5 70.0 105.0
77 29.8 23.8 35.8





#75

1,3-Dichlorobenzene

Concen: 9.335 ppbv

RT: 11.601 min Scan# 3557

Delta R.T. 0.000 min

Lab File: VL043204.D

Acq: 18 Nov 2025 10:02

Instrument :

MSVOA_1

ClientSampleId :

VSTDICCC010

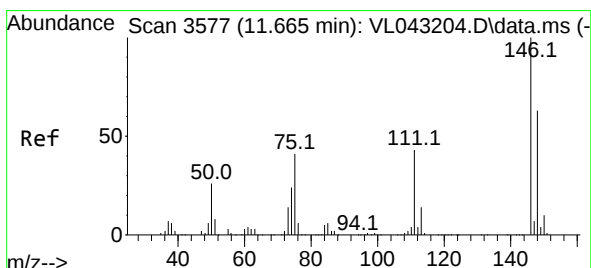
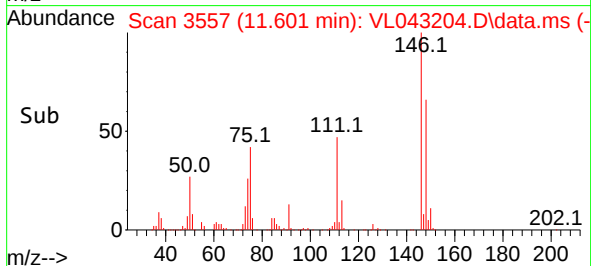
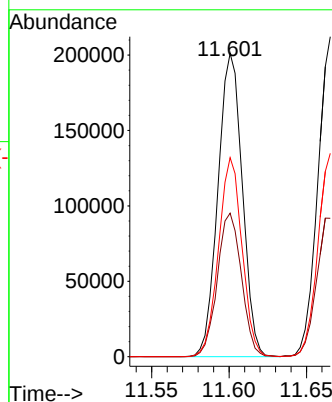
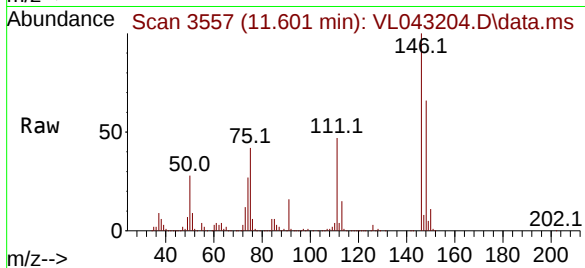
Tgt Ion:146 Resp: 219894

Ion Ratio Lower Upper

146 100

111 46.9 23.4 70.3

148 63.3 31.6 95.0



#76

1,4-Dichlorobenzene

Concen: 9.363 ppbv

RT: 11.665 min Scan# 3577

Delta R.T. 0.000 min

Lab File: VL043204.D

Acq: 18 Nov 2025 10:02

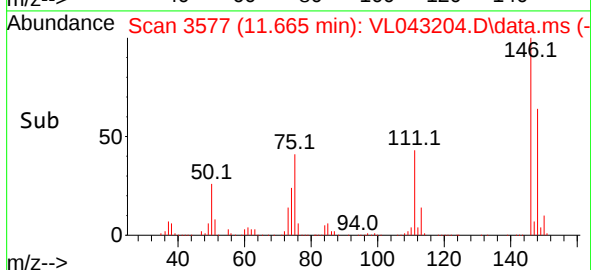
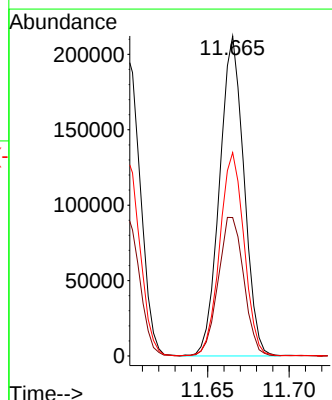
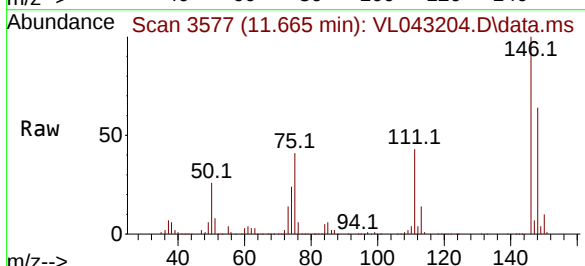
Tgt Ion:146 Resp: 220576

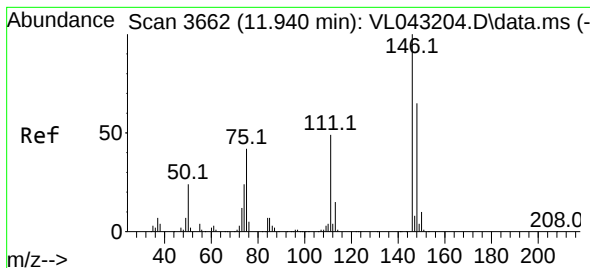
Ion Ratio Lower Upper

146 100

111 45.5 22.8 68.3

148 63.6 31.8 95.4





#77

1,2-Dichlorobenzene

Concen: 9.044 ppbv

RT: 11.940 min Scan# 3662

Delta R.T. 0.000 min

Lab File: VL043204.D

Acq: 18 Nov 2025 10:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

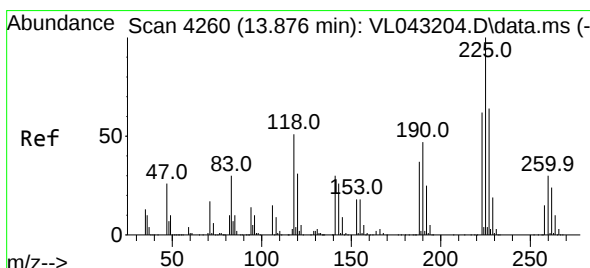
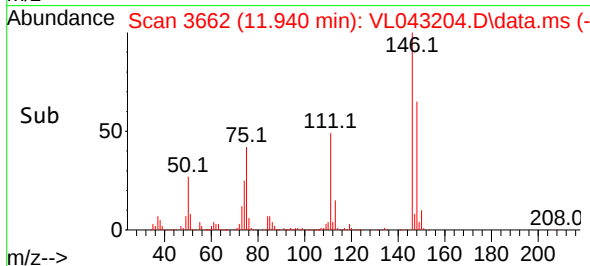
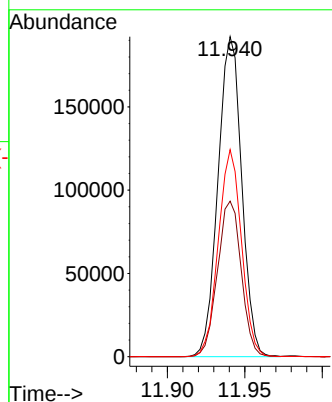
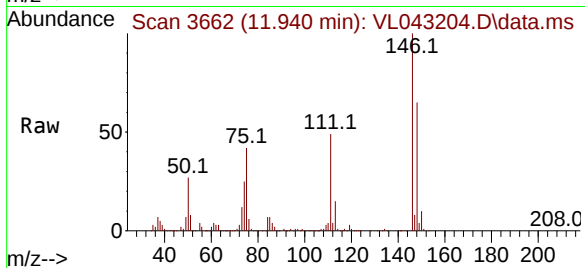
Tgt Ion:146 Resp: 204826

Ion Ratio Lower Upper

146 100

111 48.7 24.3 73.0

148 63.1 31.6 94.7



#78

Hexachloro-1,3-Butadiene

Concen: 8.520 ppbv

RT: 13.876 min Scan# 4260

Delta R.T. 0.000 min

Lab File: VL043204.D

Acq: 18 Nov 2025 10:02

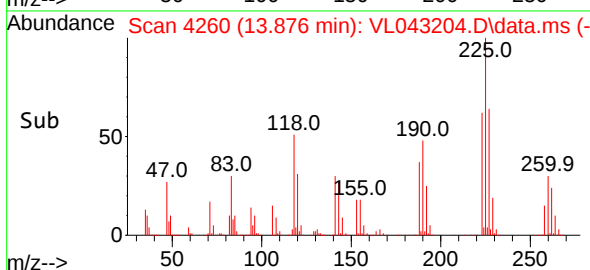
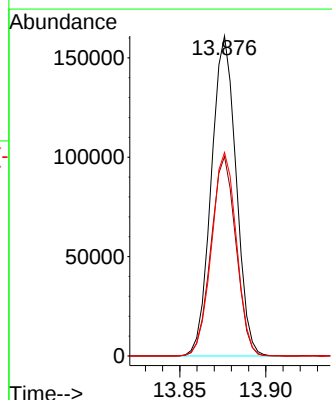
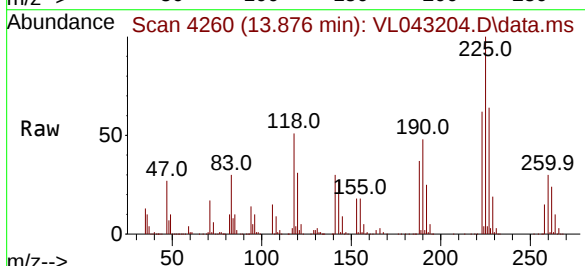
Tgt Ion:225 Resp: 161034

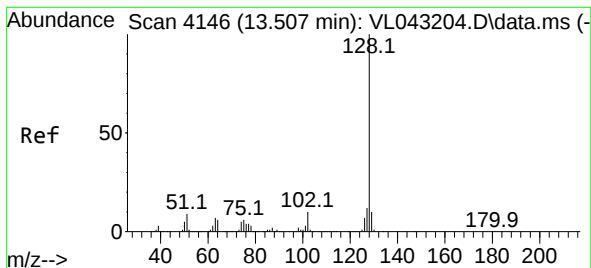
Ion Ratio Lower Upper

225 100

223 62.8 50.2 75.4

227 63.9 51.1 76.7





#79

Naphthalene

Concen: 9.795 ppbv

RT: 13.507 min Scan# 4146

Delta R.T. 0.000 min

Lab File: VL043204.D

Acq: 18 Nov 2025 10:02

Instrument :

MSVOA_1

ClientSampleId :

VSTDICCC010

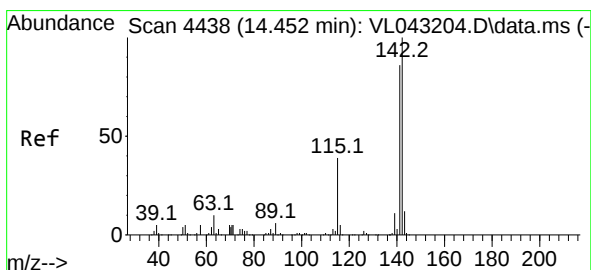
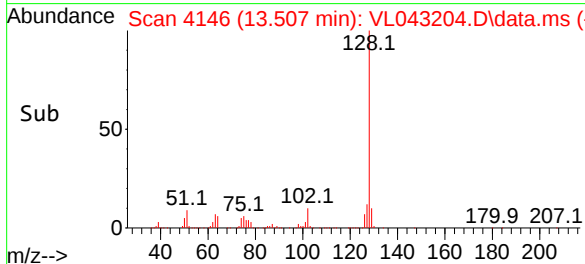
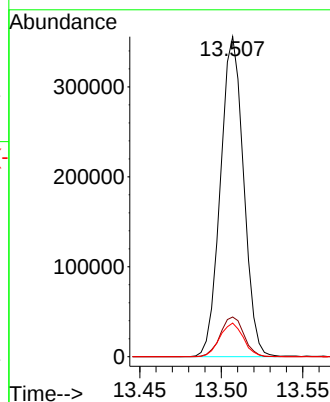
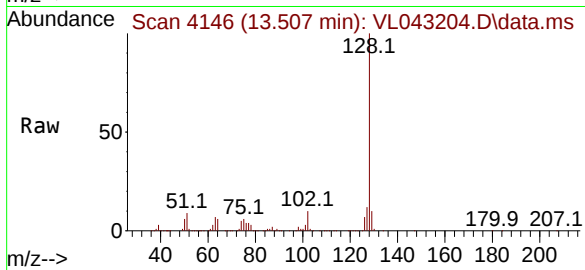
Tgt Ion:128 Resp: 351148

Ion Ratio Lower Upper

128 100

127 12.4 9.9 14.9

129 10.5 8.4 12.6



#80

Naphthalene,2-methyl-

Concen: 9.895 ppbv

RT: 14.452 min Scan# 4438

Delta R.T. 0.000 min

Lab File: VL043204.D

Acq: 18 Nov 2025 10:02

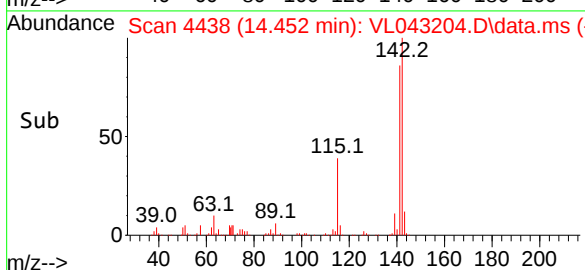
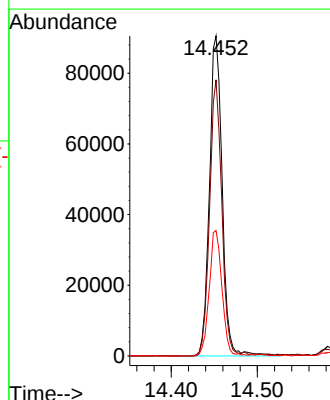
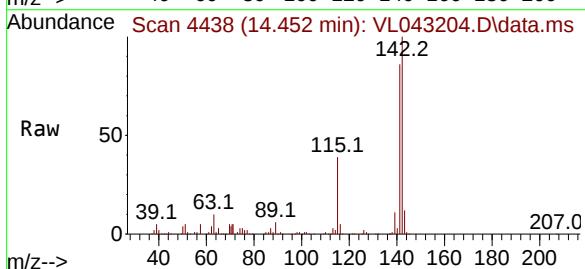
Tgt Ion:142 Resp: 93113

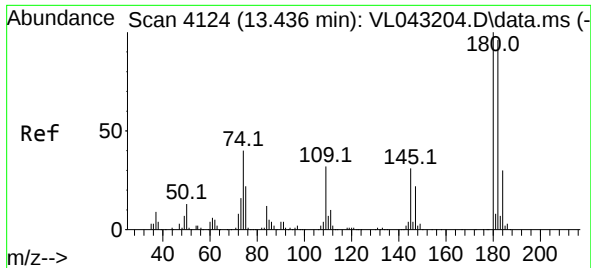
Ion Ratio Lower Upper

142 100

141 83.9 67.1 100.7

115 39.9 31.9 47.9





#81
 1,2,4-Trichlorobenzene
 Concen: 9.923 ppbv
 RT: 13.436 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VL043204.D
 Acq: 18 Nov 2025 10:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion:180 Resp: 159091
 Ion Ratio Lower Upper
 180 100
 182 96.8 77.4 116.2
 184 30.3 24.2 36.4

