

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL011425\
 Data File : VL041895.D
 Acq On : 14 Jan 2025 16:05
 Operator : SY/MD
 Sample : VSTDIC015
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jan 14 21:21:42 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Jan 14 16:31:18 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.793	49	141652	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.968	114	419859	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.895	117	383799	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.387	95	304042	10.058	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.600%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	275248	14.266	ppbv	100
3) Chlorodifluoromethane	1.479	51	285437	14.121	ppbv	98
4) Chloromethane	1.534	50	106071	14.617	ppbv	98
5) Vinyl Chloride	1.583	62	104404	14.204	ppbv	98
6) Bromomethane	1.670	94	49415	14.106	ppbv	91
7) Chloroethane	1.709	64	41130	14.383	ppbv	100
8) Dichlorotetrafluoroethane	1.557	85	244666	14.510	ppbv	100
9) Propene	1.486	41	116343	13.972	ppbv	99
10) Heptane	4.998	43	326897	14.688	ppbv	98
11) Trichlorofluoromethane	1.881	101	299656	14.930	ppbv	97
12) 1,1,2-Trichlorotrifluo...	2.143	101	232607	14.787	ppbv	100
13) Ethanol	1.725	45	6109	10.016	ppbv	83
14) Bromoethene	1.784	108	83586	14.513	ppbv	98
15) Acetone	1.839	43	223353	13.128	ppbv	99
16) 1,3-Butadiene	1.612	39	109420	14.329	ppbv	99
17) tert-Butyl alcohol	2.046	59	298424	14.252	ppbv	99
18) 1,1-Dichloroethene	2.039	96	104645	14.759	ppbv	92
19) Isopropyl Alcohol	1.890	45	134050	13.288	ppbv	98
20) Methylene Chloride	2.065	84	88425	13.151	ppbv	98
21) Allyl Chloride	2.101	41	169875	14.419	ppbv	96
22) trans-1,2-Dichloroethene	2.347	96	118169	14.768	ppbv	97
23) Vinyl Acetate	2.470	43	116632	15.747	ppbv	98
24) 1,1-Dichloroethane	2.415	63	230015	14.862	ppbv	99
25) Ethyl Acetate	2.842	43	665170	14.499	ppbv	100
26) Hexane	2.836	57	263948	14.547	ppbv	97
27) Carbon Disulfide	2.156	76	278476	15.509	ppbv	99
28) Methyl tert-Butyl Ether	2.447	73	187986	13.555	ppbv	98
29) Chloroform	2.858	83	413733	14.424	ppbv	98
30) Cyclohexane	3.868	84	233398	14.830	ppbv	99
31) cis-1,2-Dichloroethene	2.729	61	271739	14.223	ppbv	94
32) 1,1,1-Trichloroethane	3.379	97	419117	15.271	ppbv	99
34) 2-Butanone	2.564	43	380813	14.262	ppbv	99
35) Carbon Tetrachloride	3.774	117	426619	16.146	ppbv	97
36) Benzene	3.667	78	553665	14.378	ppbv	100
37) 1,2-Dichloroethane	3.227	62	321362	14.859	ppbv	99
38) Trichloroethene	4.564	130	222328	14.543	ppbv	98
39) 1,2-Dichloropropane	4.328	63	191532	14.179	ppbv	98
40) 1,4-Dioxane	4.596	88	97521	14.305	ppbv #	93
41) Tetrahydrofuran	3.062	42	217707	14.953	ppbv	99
42) Bromodichloromethane	4.502	83	445130	15.351	ppbv	95
43) Methyl Methacrylate	4.894	69	214564	14.999	ppbv	99
44) 2,2,4-Trimethylpentane	4.655	57	909437	14.601	ppbv	100
45) t-1,3-Dichloropropene	6.435	75	218001	16.281	ppbv	100

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

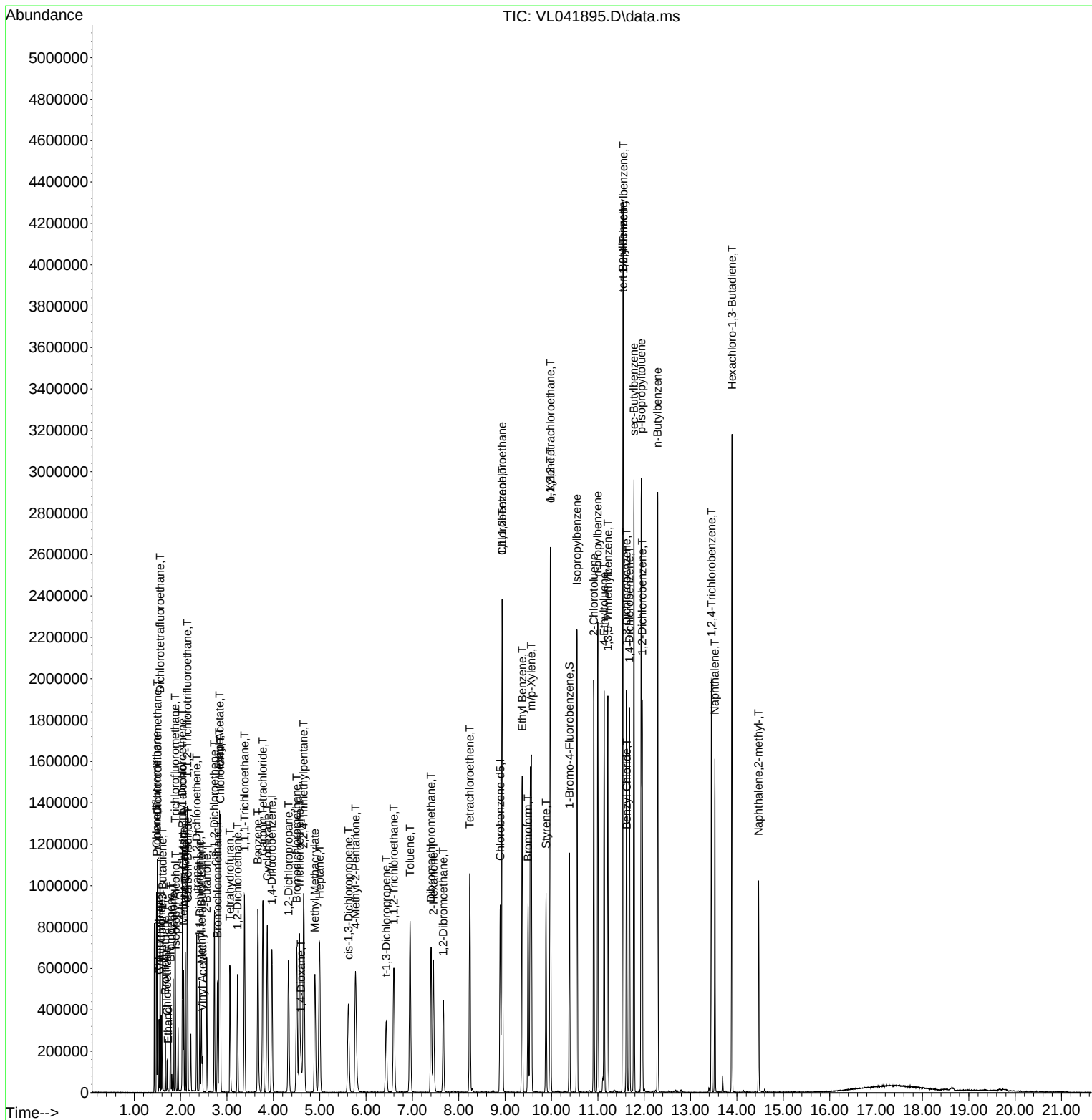
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 ClientSampleId :

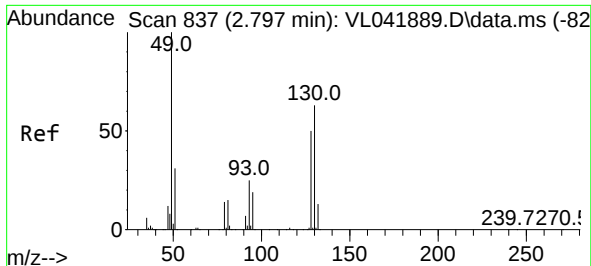
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Jan 14 16:31:18 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.619	75	281492	16.011	ppbv	98
47) 1,1,2-Trichloroethane	6.597	97	211658	14.782	ppbv	95
48) Dibromochloromethane	7.402	129	356392	16.134	ppbv	100
49) Bromoform	9.493	173	307617	16.953	ppbv	99
50) 4-Methyl-2-Pentanone	5.774	43	533053	14.653	ppbv	99
51) 2-Hexanone	7.451	43	430297	15.363	ppbv #	97
52) Tetrachloroethene	8.237	164	183208	13.721	ppbv	96
53) Toluene	6.949	91	634515	15.126	ppbv	99
54) 1,2-Dibromoethane	7.665	107	295967	15.036	ppbv	93
56) 1,1,1,2-Tetrachloroethane	8.937	131	280809	14.665	ppbv	98
57) Chlorobenzene	8.933	112	479092	13.533	ppbv	99
58) Ethyl Benzene	9.367	91	887072	14.789	ppbv	100
59) m/p-Xylene	9.565	91	719940	14.954	ppbv #	33
60) o-Xylene	9.976	91	704577	14.765	ppbv	100
61) Styrene	9.882	104	342490	15.999	ppbv	99
62) Isopropylbenzene	10.548	105	1063809	14.406	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.976	83	426347	14.194	ppbv	100
64) n-propylbenzene	10.998	120	266972	14.308	ppbv	100
65) tert-Butylbenzene	11.542	119	947297	14.077	ppbv	98
66) Benzyl Chloride	11.626	91	68623	16.475	ppbv	98
67) sec-Butylbenzene	11.778	105	1292858	13.952	ppbv	100
69) p-Isopropyltoluene	11.937	119	1089109	14.273	ppbv	99
70) n-Butylbenzene	12.290	91	1059002	13.994	ppbv	99
71) 2-Chlorotoluene	10.911	91	797555	14.601	ppbv	100
72) 4-Ethyltoluene	11.134	105	847451	14.846	ppbv	99
73) 1,3,5-Trimethylbenzene	11.215	105	733759	14.556	ppbv	96
74) 1,2,4-Trimethylbenzene	11.549	105	773569	14.170	ppbv	92
75) 1,3-Dichlorobenzene	11.620	146	443828	13.720	ppbv	99
76) 1,4-Dichlorobenzene	11.681	146	447164	14.129	ppbv	99
77) 1,2-Dichlorobenzene	11.956	146	429118	13.385	ppbv	99
78) Hexachloro-1,3-Butadiene	13.892	225	335016	12.731	ppbv	100
79) Naphthalene	13.523	128	724573	13.183	ppbv	99
80) Naphthalene,2-methyl-	14.468	142	278955	10.704	ppbv	99
81) 1,2,4-Trichlorobenzene	13.452	180	342977	12.784	ppbv	98

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M
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QLast Update : Tue Jan 14 16:31:18 2025
Response via : Initial Calibration

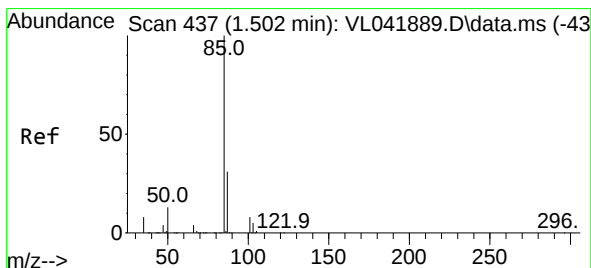
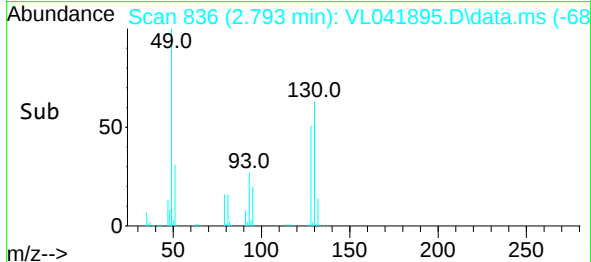
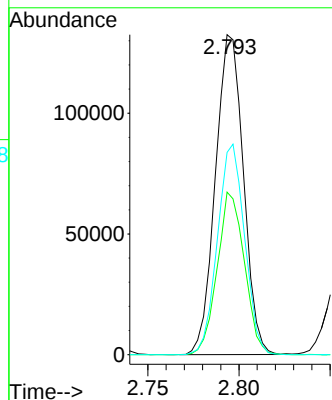
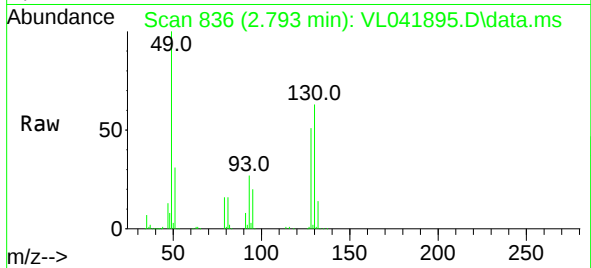




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 2.793 min Scan# 81
 Delta R.T. -0.004 min
 Lab File: VL041895.D
 Acq: 14 Jan 2025 16:05

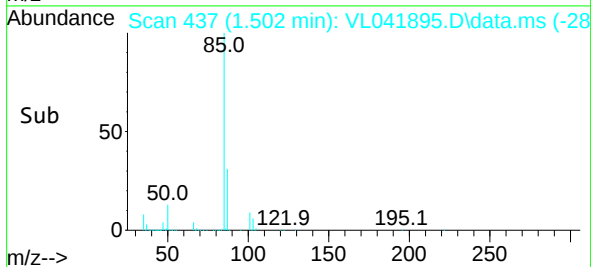
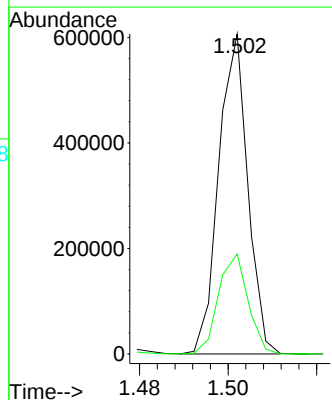
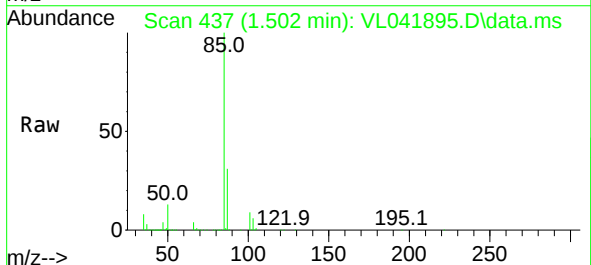
Instrument :
 MSVOA_L
 ClientSampleId :

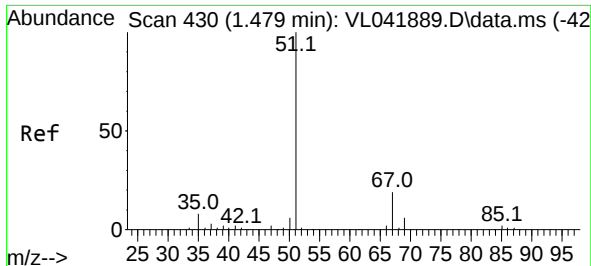
Tgt Ion: 49 Resp: 141652
 Ion Ratio Lower Upper
 49 100
 128 49.2 24.3 73.0
 130 63.7 31.1 93.2



#2
 Dichlorodifluoromethane
 Concen: 14.266 ppbv
 RT: 1.502 min Scan# 437
 Delta R.T. 0.000 min
 Lab File: VL041895.D
 Acq: 14 Jan 2025 16:05

Tgt Ion: 85 Resp: 275248
 Ion Ratio Lower Upper
 85 100
 87 31.2 24.9 37.3

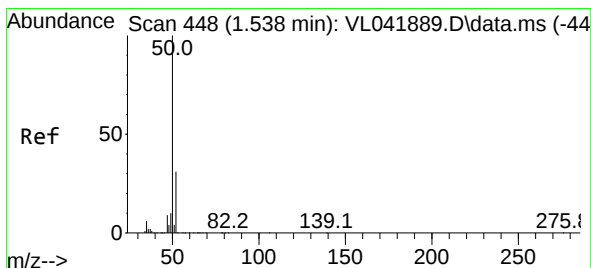
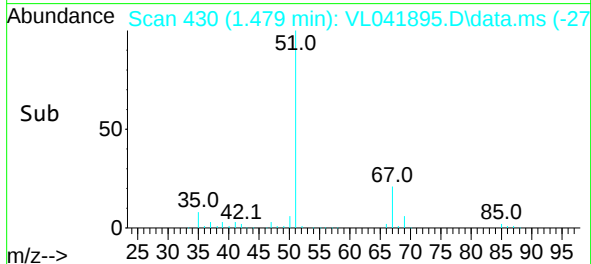
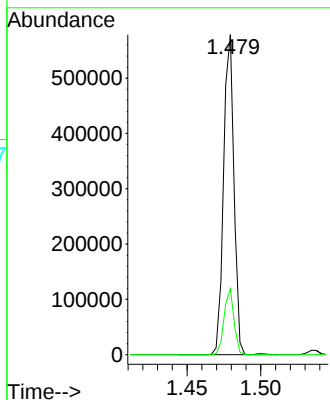
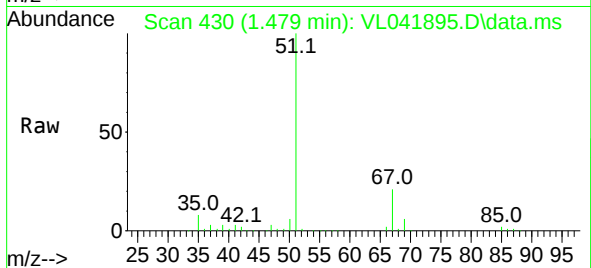




#3
Chlorodifluoromethane
Concen: 14.121 ppbv
RT: 1.479 min Scan# 41
Delta R.T. 0.000 min
Lab File: VL041895.D
Acq: 14 Jan 2025 16:05

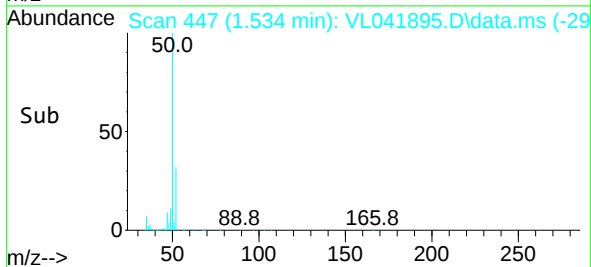
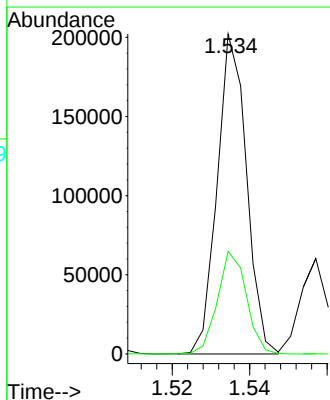
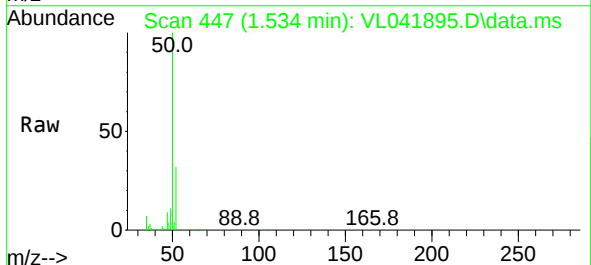
Instrument :
MSVOA_L
ClientSampleId :

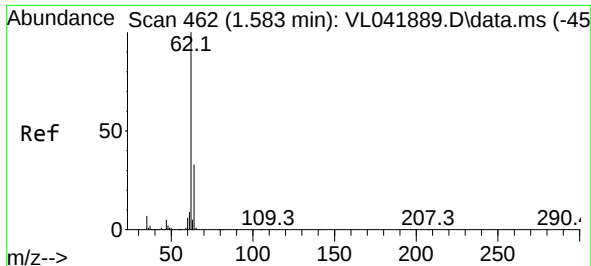
Tgt Ion: 51 Resp: 285437
Ion Ratio Lower Upper
51 100
67 19.5 15.0 22.4



#4
Chloromethane
Concen: 14.617 ppbv
RT: 1.534 min Scan# 447
Delta R.T. -0.003 min
Lab File: VL041895.D
Acq: 14 Jan 2025 16:05

Tgt Ion: 50 Resp: 106071
Ion Ratio Lower Upper
50 100
52 32.0 24.6 36.8

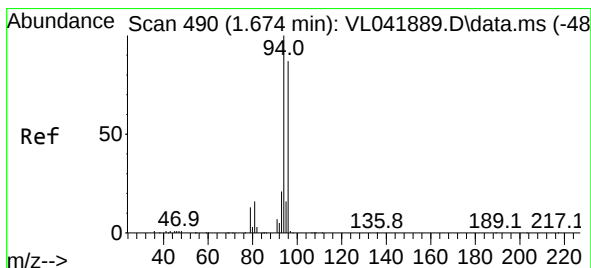
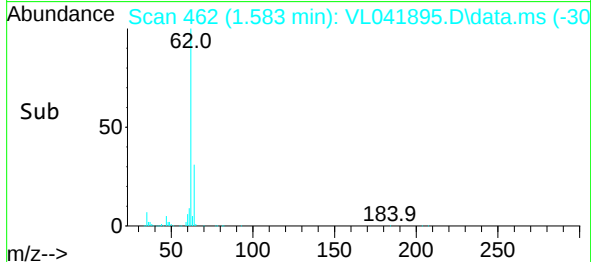
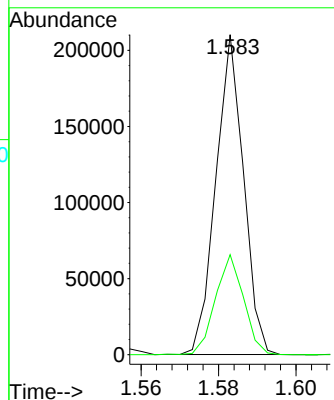
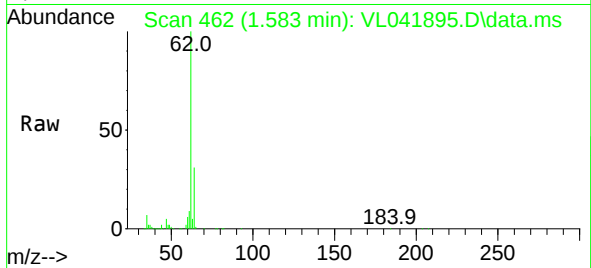




#5
 Vinyl Chloride
 Concen: 14.204 ppbv
 RT: 1.583 min Scan# 462
 Delta R.T. 0.000 min
 Lab File: VL041895.D
 Acq: 14 Jan 2025 16:05

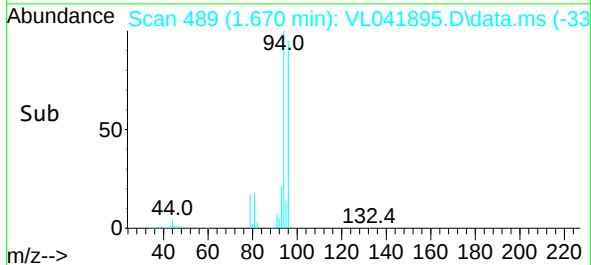
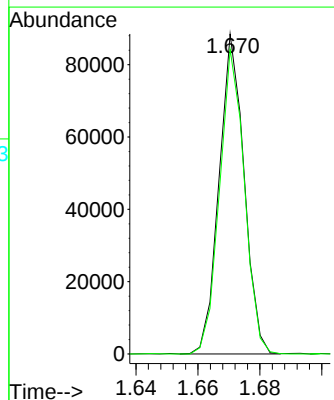
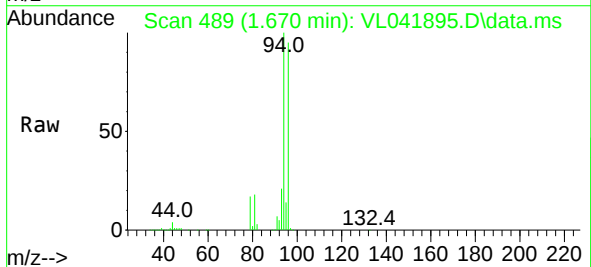
Instrument :
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 ClientSampleId :

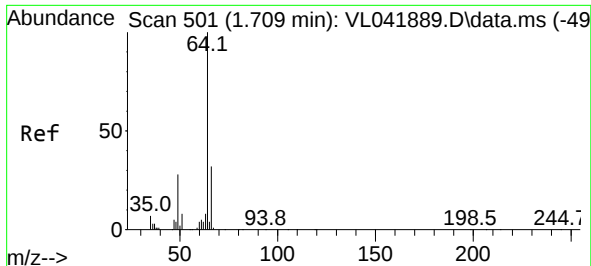
Tgt Ion: 62 Resp: 104404
 Ion Ratio Lower Upper
 62 100
 64 31.2 26.1 39.1



#6
 Bromomethane
 Concen: 14.106 ppbv
 RT: 1.670 min Scan# 489
 Delta R.T. -0.003 min
 Lab File: VL041895.D
 Acq: 14 Jan 2025 16:05

Tgt Ion: 94 Resp: 49415
 Ion Ratio Lower Upper
 94 100
 96 95.1 69.5 104.3

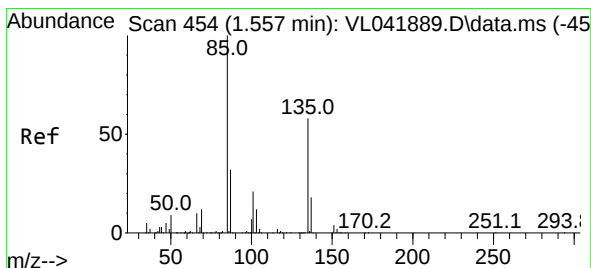
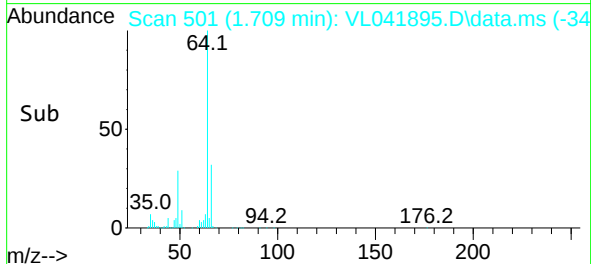
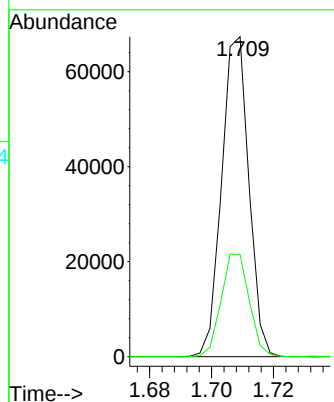
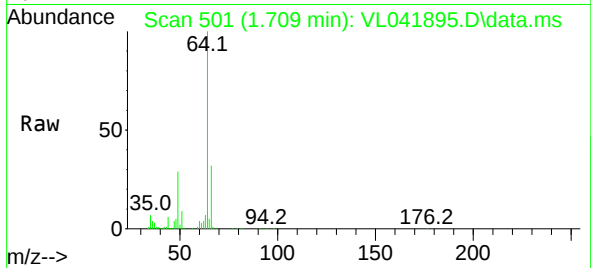




#7
Chloroethane
Concen: 14.383 ppbv
RT: 1.709 min Scan# 501
Delta R.T. 0.000 min
Lab File: VL041895.D
Acq: 14 Jan 2025 16:05

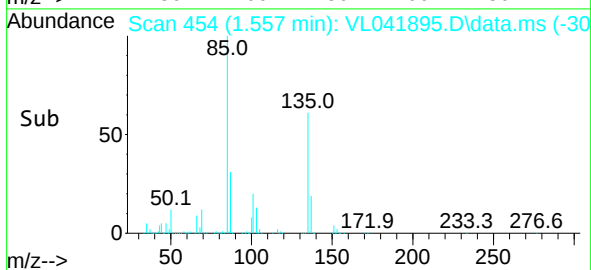
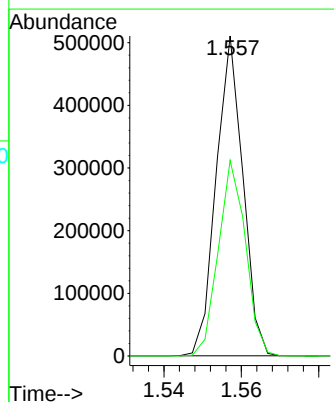
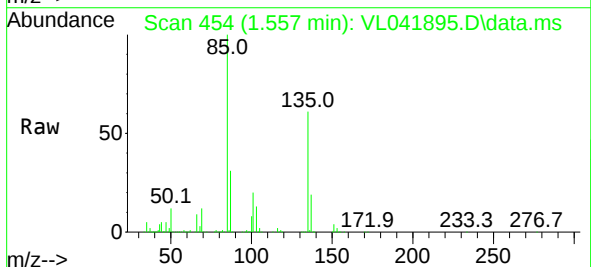
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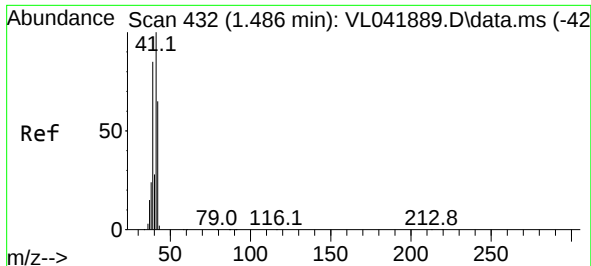
Tgt Ion: 64 Resp: 41130
Ion Ratio Lower Upper
64 100
66 32.0 25.7 38.5



#8
Dichlorotetrafluoroethane
Concen: 14.510 ppbv
RT: 1.557 min Scan# 454
Delta R.T. 0.000 min
Lab File: VL041895.D
Acq: 14 Jan 2025 16:05

Tgt Ion: 85 Resp: 244666
Ion Ratio Lower Upper
85 100
135 62.3 50.0 75.0





#9

Propene

Concen: 13.972 ppbv

RT: 1.486 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL041895.D

Acq: 14 Jan 2025 16:05

Instrument :

MSVOA_L

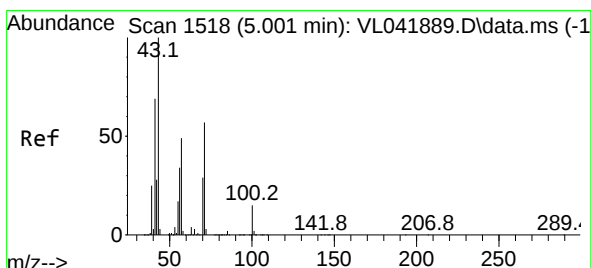
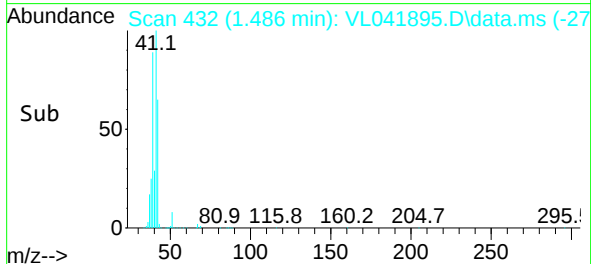
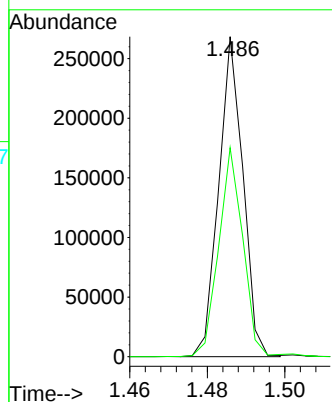
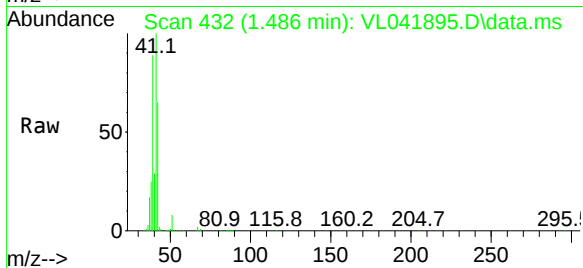
ClientSampleId :

Tgt Ion: 41 Resp: 116343

Ion Ratio Lower Upper

41 100

42 66.0 52.0 78.0



#10

Heptane

Concen: 14.688 ppbv

RT: 4.998 min Scan# 1517

Delta R.T. -0.003 min

Lab File: VL041895.D

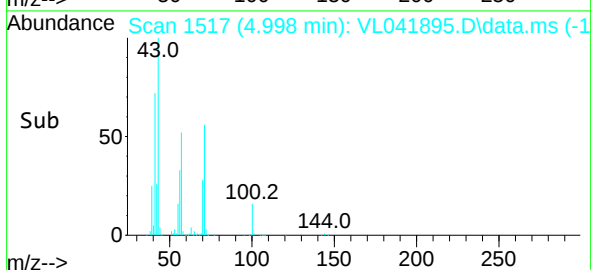
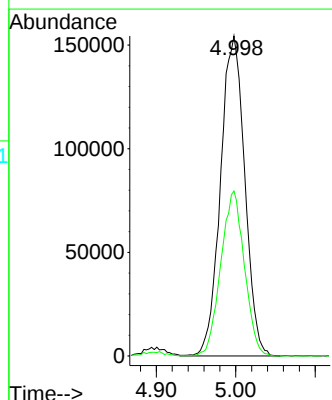
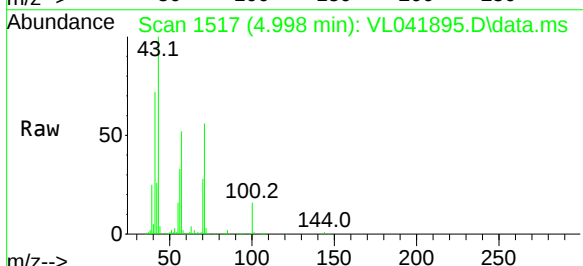
Acq: 14 Jan 2025 16:05

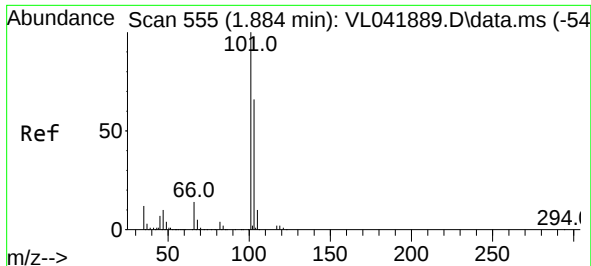
Tgt Ion: 43 Resp: 326897

Ion Ratio Lower Upper

43 100

57 50.1 41.0 61.4





#11

Trichlorofluoromethane

Concen: 14.930 ppbv

RT: 1.881 min Scan# 51

Delta R.T. -0.003 min

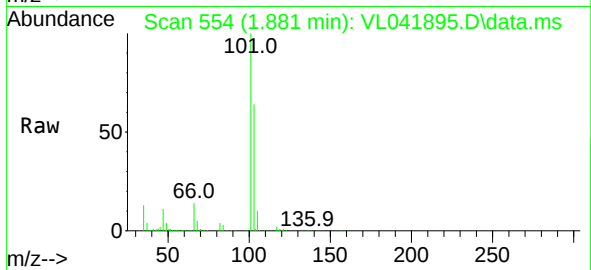
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Acq: 14 Jan 2025 16:05

Instrument :

MSVOA_L

ClientSampleId :

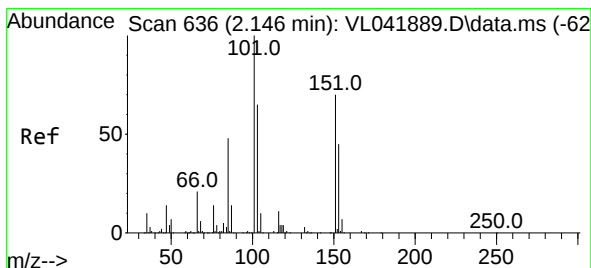
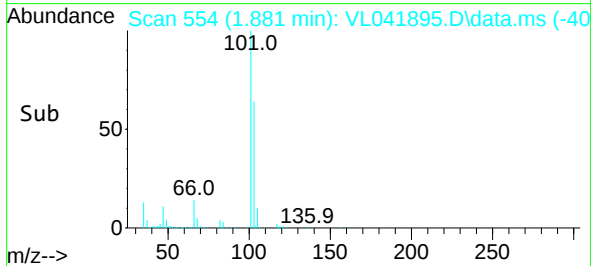
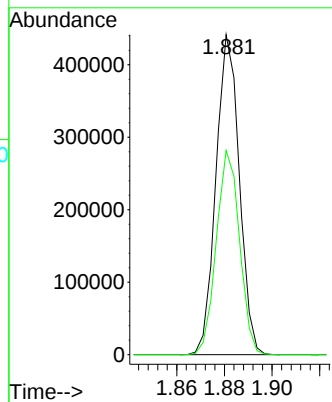


Tgt Ion:101 Resp: 299656

Ion Ratio Lower Upper

101 100

103 63.8 53.1 79.7



#12

1,1,2-Trichlorotrifluoroethane

Concen: 14.787 ppbv

RT: 2.143 min Scan# 635

Delta R.T. -0.003 min

Lab File: VL041895.D

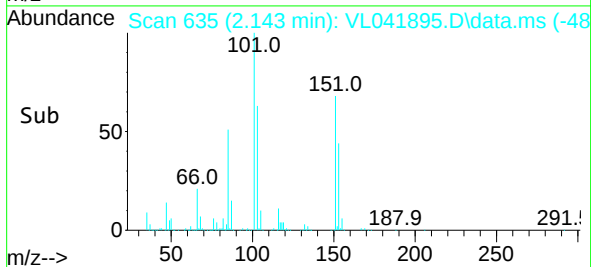
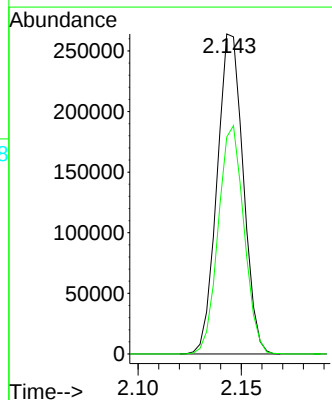
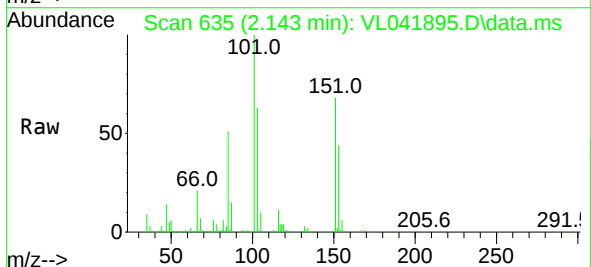
Acq: 14 Jan 2025 16:05

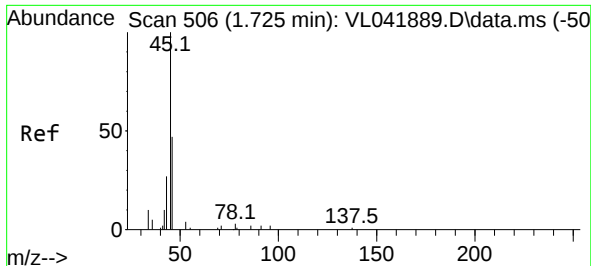
Tgt Ion:101 Resp: 232607

Ion Ratio Lower Upper

101 100

151 70.1 56.1 84.1

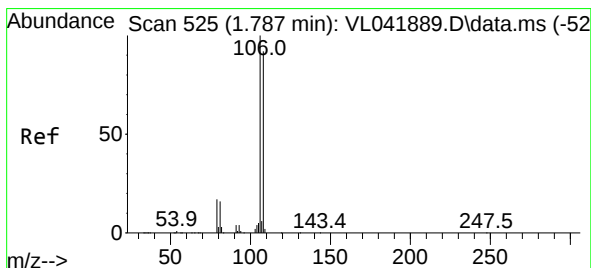
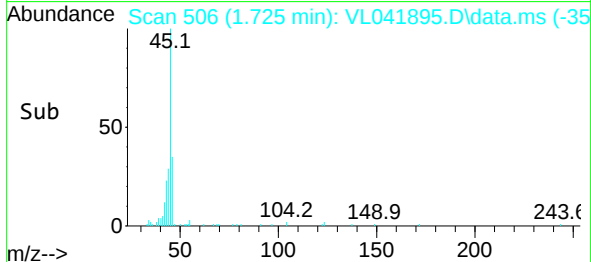
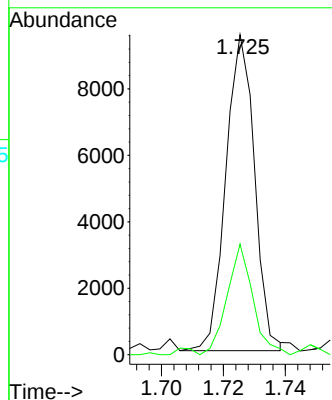
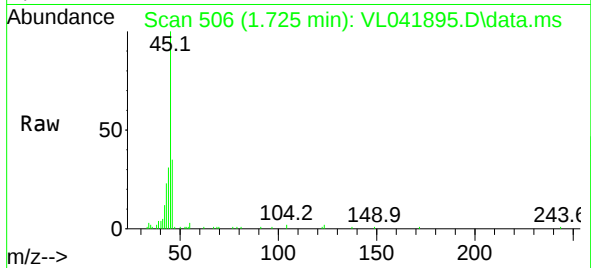




#13
Ethanol
Concen: 10.016 ppbv
RT: 1.725 min Scan# 506
Delta R.T. 0.000 min
Lab File: VL041895.D
Acq: 14 Jan 2025 16:05

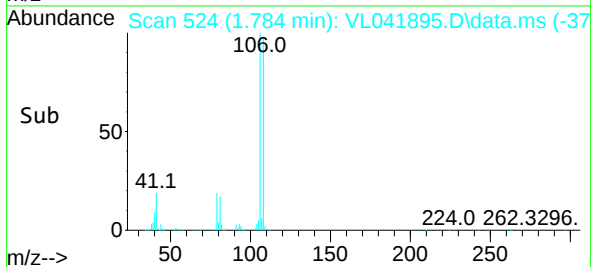
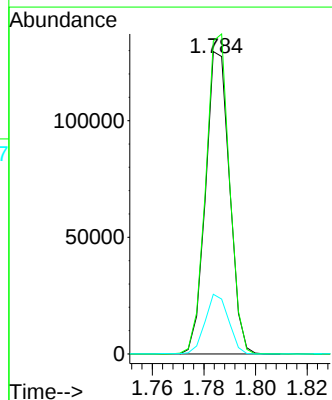
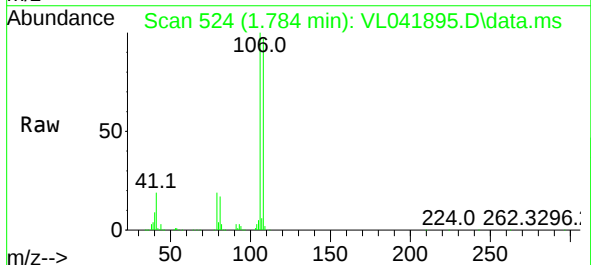
Instrument :
MSVOA_L
ClientSampleId :

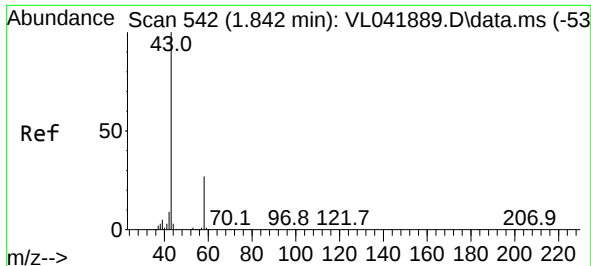
Tgt Ion: 45 Resp: 6109
Ion Ratio Lower Upper
45 100
46 34.4 18.1 72.5



#14
Bromoethene
Concen: 14.513 ppbv
RT: 1.784 min Scan# 524
Delta R.T. -0.003 min
Lab File: VL041895.D
Acq: 14 Jan 2025 16:05

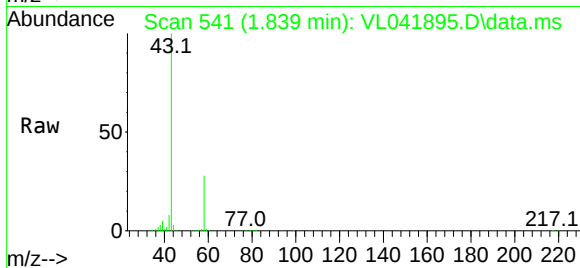
Tgt Ion:108 Resp: 83586
Ion Ratio Lower Upper
108 100
106 104.6 85.5 128.3
79 19.4 15.3 22.9



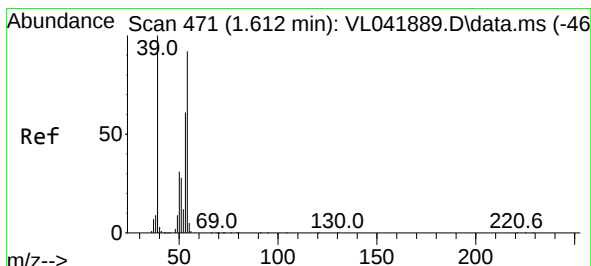
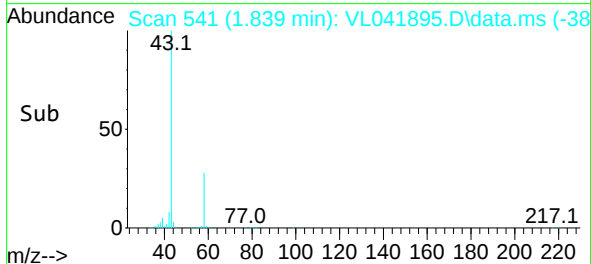
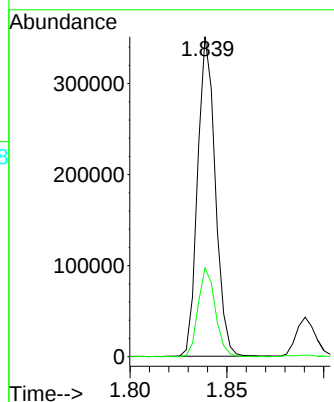


#15
Acetone
Concen: 13.128 ppbv
RT: 1.839 min Scan# 541
Delta R.T. -0.003 min
Lab File: VL041895.D
Acq: 14 Jan 2025 16:05

Instrument :
MSVOA_L
ClientSampleId :

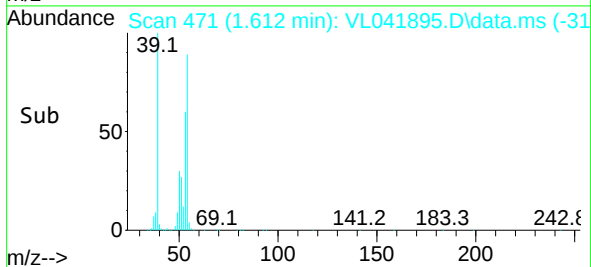
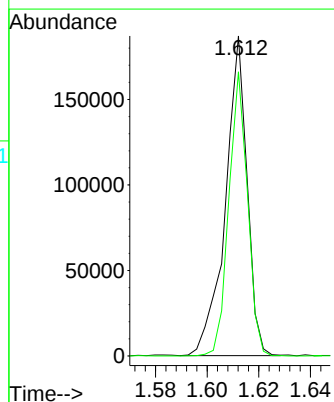
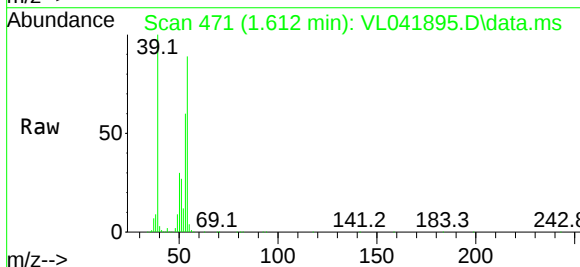


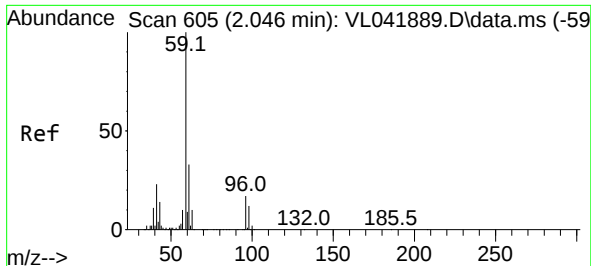
Tgt Ion: 43 Resp: 223353
Ion Ratio Lower Upper
43 100
58 27.0 21.9 32.9



#16
1,3-Butadiene
Concen: 14.329 ppbv
RT: 1.612 min Scan# 471
Delta R.T. 0.000 min
Lab File: VL041895.D
Acq: 14 Jan 2025 16:05

Tgt Ion: 39 Resp: 109420
Ion Ratio Lower Upper
39 100
54 76.5 61.6 92.4





#17

tert-Butyl alcohol

Concen: 14.252 ppbv

RT: 2.046 min Scan# 605

Delta R.T. 0.000 min

Lab File: VL041895.D

Acq: 14 Jan 2025 16:05

Instrument :

MSVOA_L

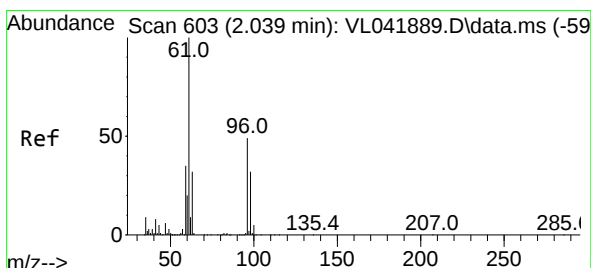
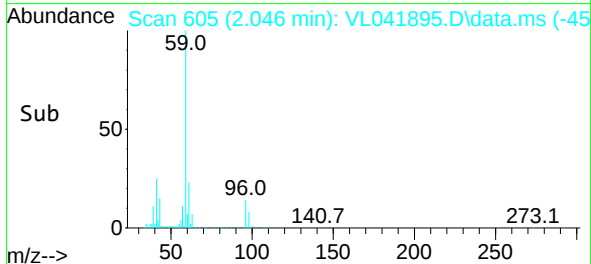
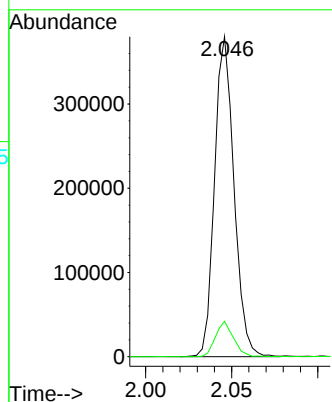
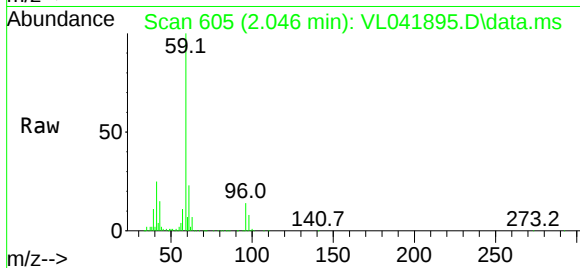
ClientSampleId :

Tgt Ion: 59 Resp: 298424

Ion Ratio Lower Upper

59 100

57 10.3 7.8 11.8



#18

1,1-Dichloroethene

Concen: 14.759 ppbv

RT: 2.039 min Scan# 603

Delta R.T. 0.000 min

Lab File: VL041895.D

Acq: 14 Jan 2025 16:05

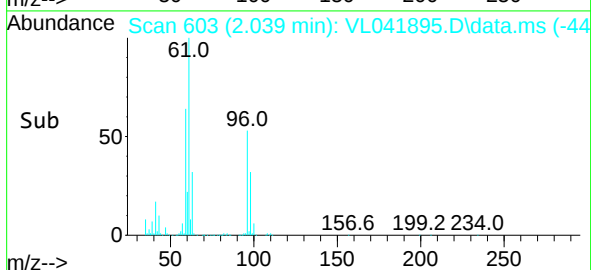
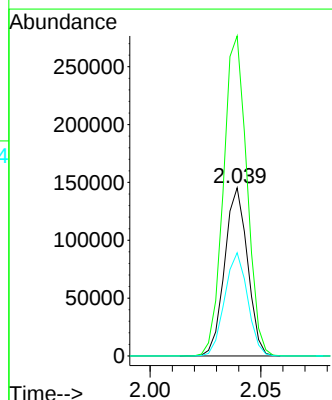
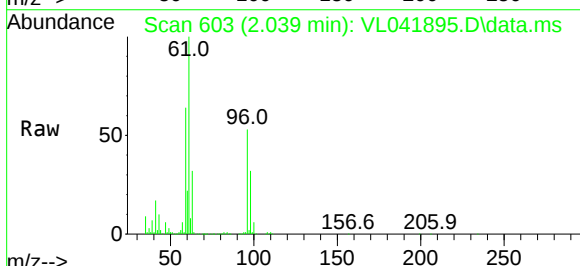
Tgt Ion: 96 Resp: 104645

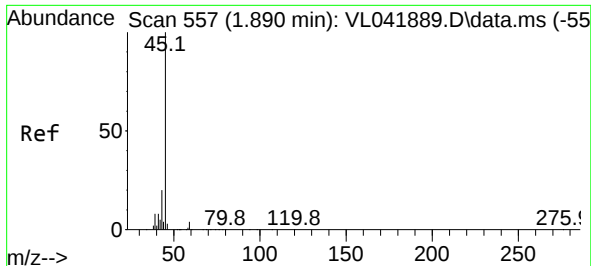
Ion Ratio Lower Upper

96 100

61 190.2 163.1 244.7

98 61.4 52.7 79.1

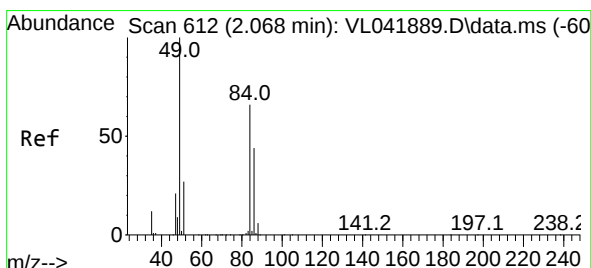
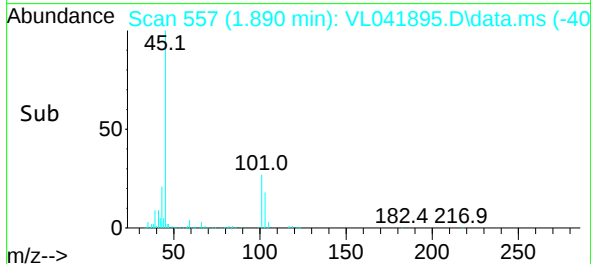
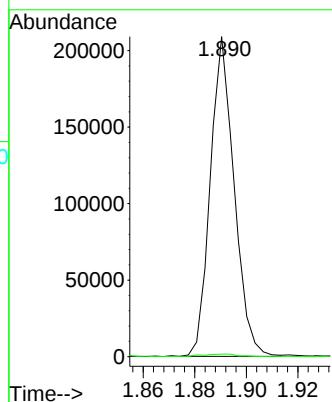
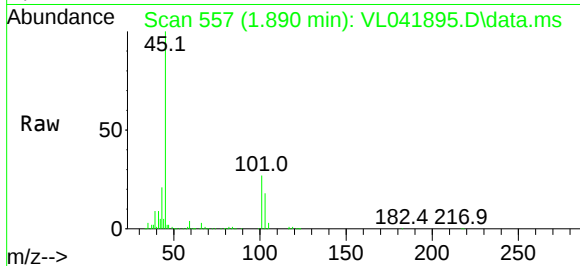




#19
Isopropyl Alcohol
Concen: 13.288 ppbv
RT: 1.890 min Scan# 511
Delta R.T. 0.000 min
Lab File: VL041895.D
Acq: 14 Jan 2025 16:05

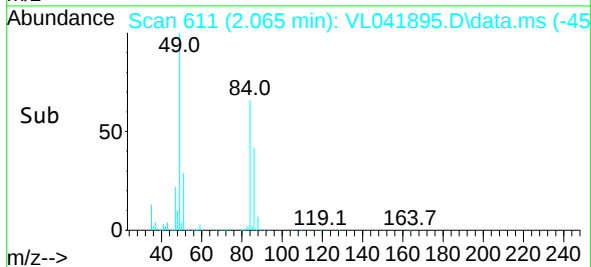
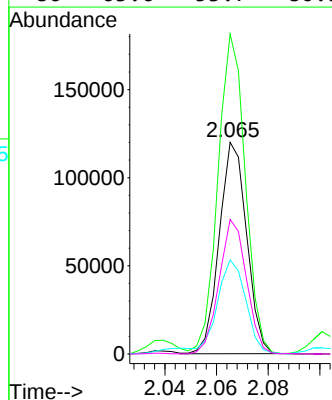
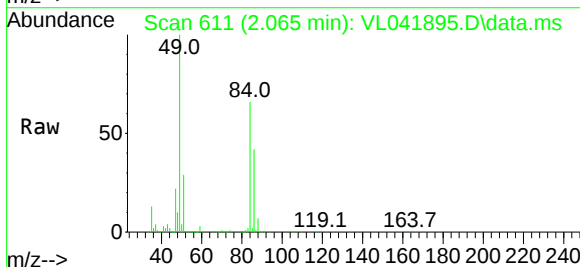
Instrument :
MSVOA_L
ClientSampleId :

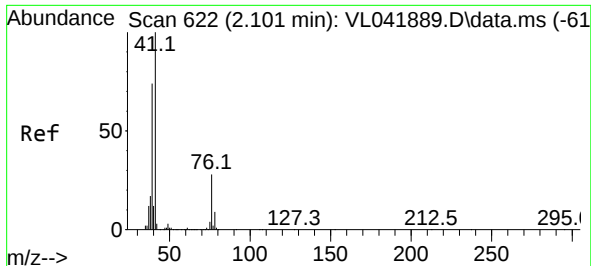
Tgt Ion: 45 Resp: 134050
Ion Ratio Lower Upper
45 100
58 45.0 35.0 52.6



#20
Methylene Chloride
Concen: 13.151 ppbv
RT: 2.065 min Scan# 611
Delta R.T. -0.003 min
Lab File: VL041895.D
Acq: 14 Jan 2025 16:05

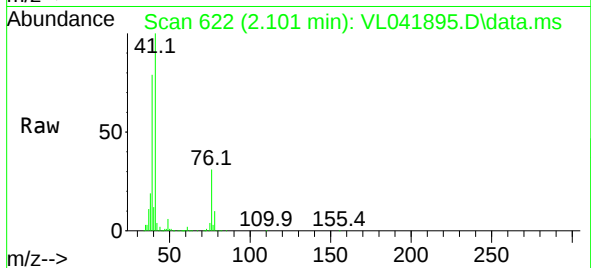
Tgt Ion: 84 Resp: 88425
Ion Ratio Lower Upper
84 100
49 151.3 123.1 184.7
51 44.3 35.8 53.8
86 63.6 53.7 80.5



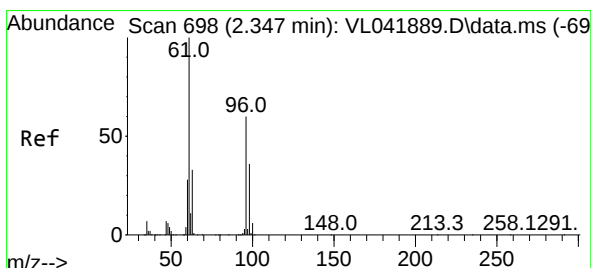
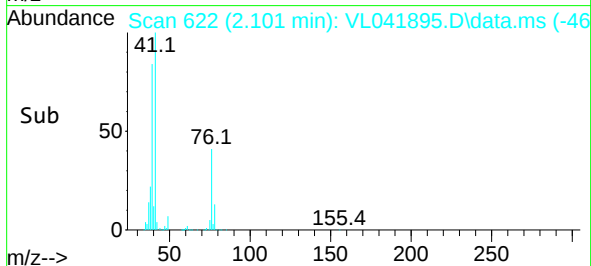
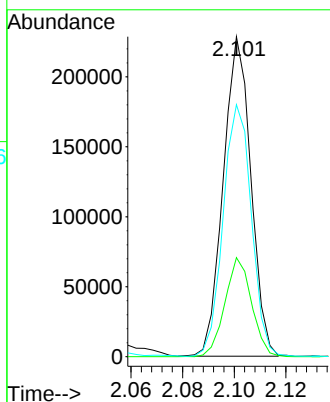


#21
 Allyl Chloride
 Concen: 14.419 ppbv
 RT: 2.101 min Scan# 61
 Delta R.T. 0.000 min
 Lab File: VL041895.D
 Acq: 14 Jan 2025 16:05

Instrument :
 MSVOA_L
 ClientSampleId :

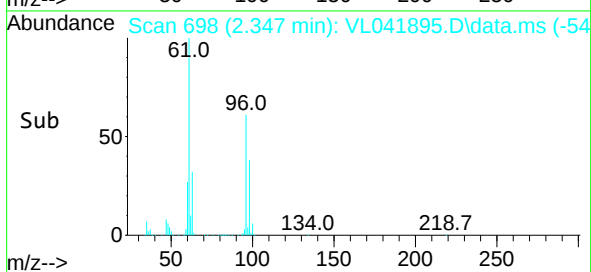
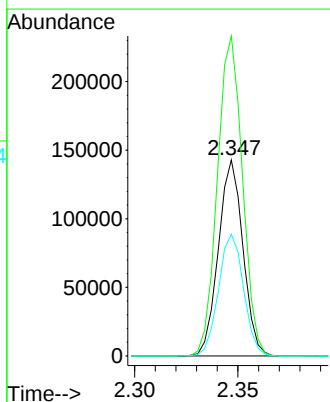
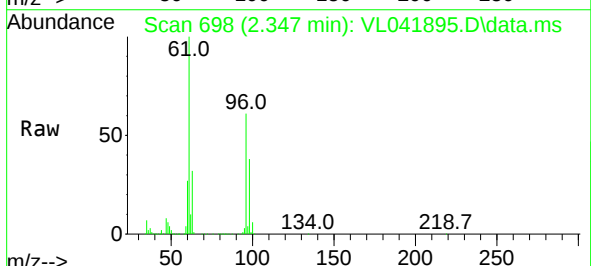


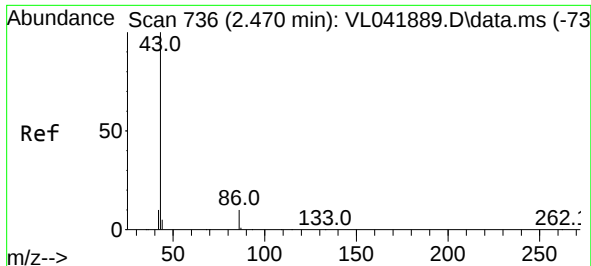
Tgt Ion: 41 Resp: 169875
 Ion Ratio Lower Upper
 41 100
 76 29.9 24.2 36.4
 39 80.4 60.6 91.0



#22
 trans-1,2-Dichloroethene
 Concen: 14.768 ppbv
 RT: 2.347 min Scan# 698
 Delta R.T. 0.000 min
 Lab File: VL041895.D
 Acq: 14 Jan 2025 16:05

Tgt Ion: 96 Resp: 118169
 Ion Ratio Lower Upper
 96 100
 61 163.3 134.5 201.7
 98 62.2 48.9 73.3

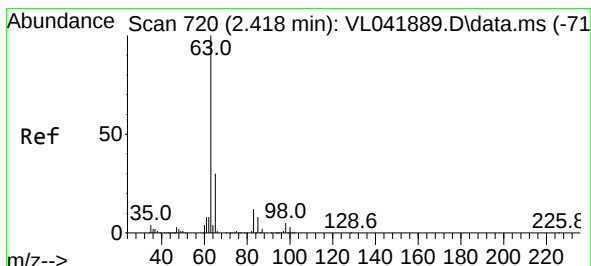
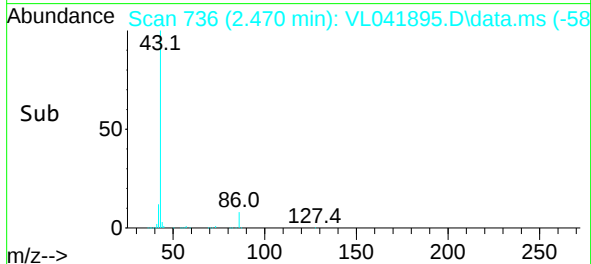
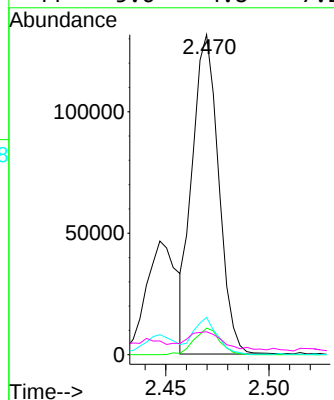
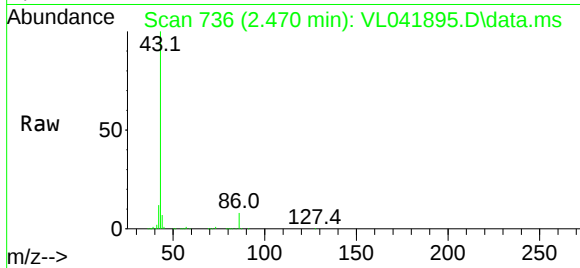




#23
 Vinyl Acetate
 Concen: 15.747 ppbv
 RT: 2.470 min Scan# 719
 Delta R.T. 0.000 min
 Lab File: VL041895.D
 Acq: 14 Jan 2025 16:05

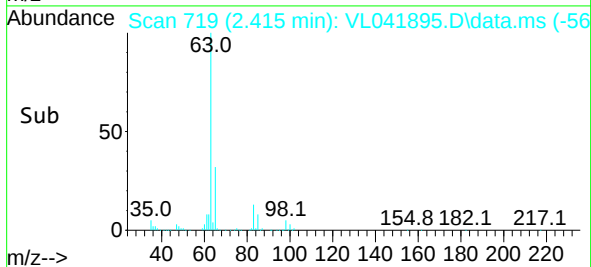
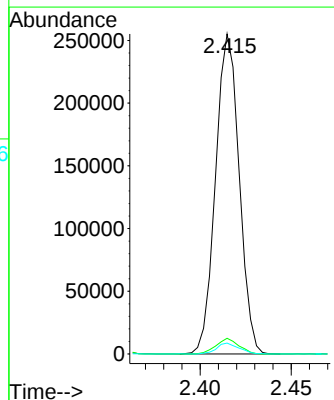
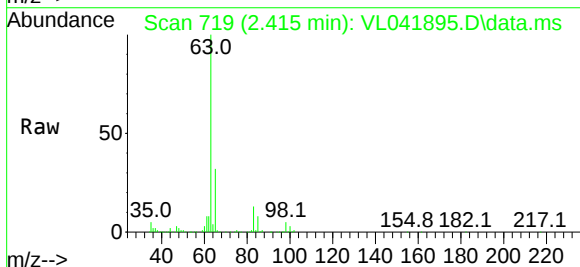
Instrument :
 MSVOA_L
 ClientSampleId :

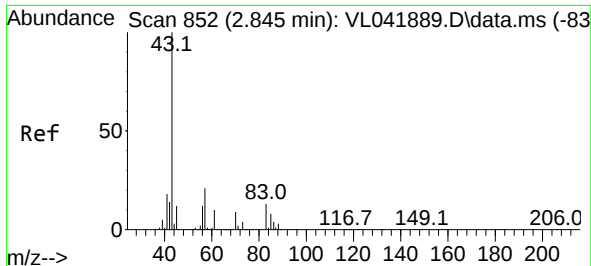
Tgt Ion:	43	Resp:	116632
Ion	Ratio	Lower	Upper
43	100		
86	8.3	6.2	9.4
42	11.3	8.5	12.7
44	5.6	4.8	7.2



#24
 1,1-Dichloroethane
 Concen: 14.862 ppbv
 RT: 2.415 min Scan# 719
 Delta R.T. -0.003 min
 Lab File: VL041895.D
 Acq: 14 Jan 2025 16:05

Tgt Ion:	63	Resp:	230015
Ion	Ratio	Lower	Upper
63	100		
98	4.9	2.6	7.8
100	3.4	1.4	4.2





#25

Ethyl Acetate

Concen: 14.499 ppbv

RT: 2.842 min Scan# 851

Delta R.T. -0.003 min

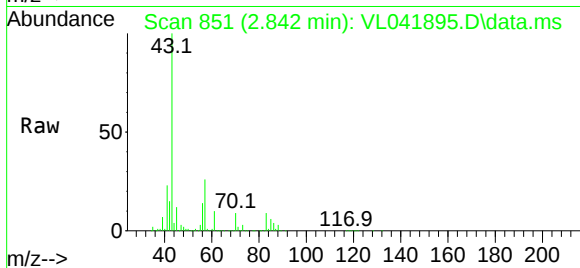
Lab File: VL041895.D

Acq: 14 Jan 2025 16:05

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion: 43 Resp: 665170

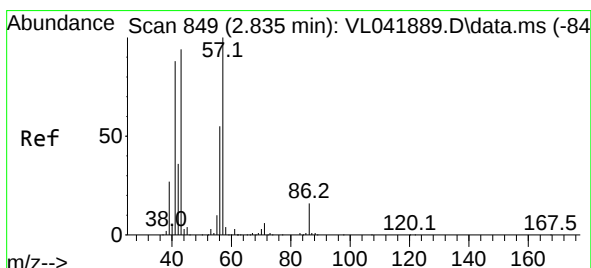
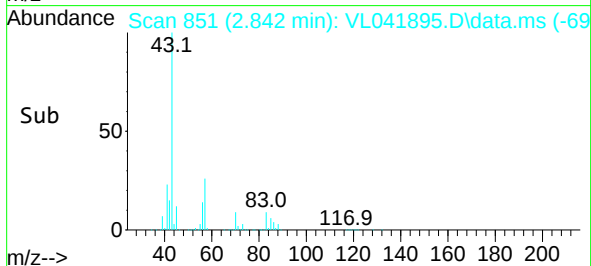
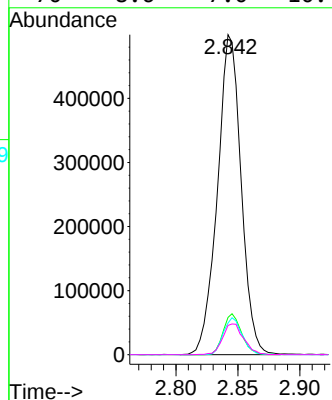
Ion Ratio Lower Upper

43 100

45 10.0 8.2 12.2

61 9.2 7.4 11.0

70 8.6 7.0 10.4



#26

Hexane

Concen: 14.547 ppbv

RT: 2.836 min Scan# 849

Delta R.T. 0.000 min

Lab File: VL041895.D

Acq: 14 Jan 2025 16:05

Tgt Ion: 57 Resp: 263948

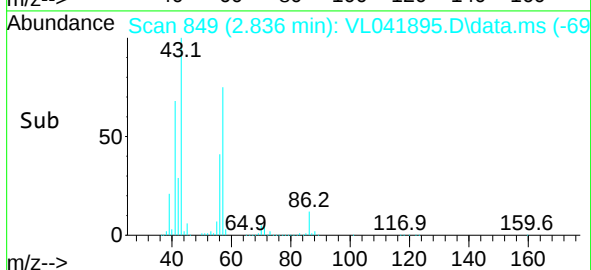
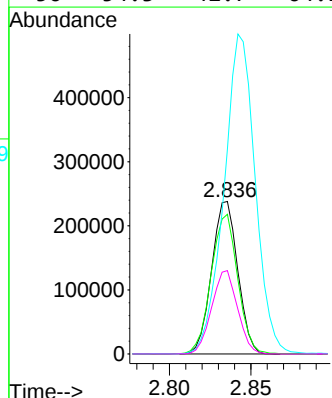
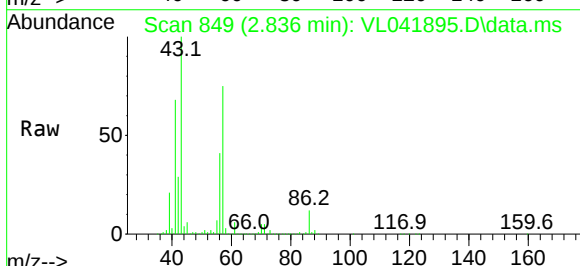
Ion Ratio Lower Upper

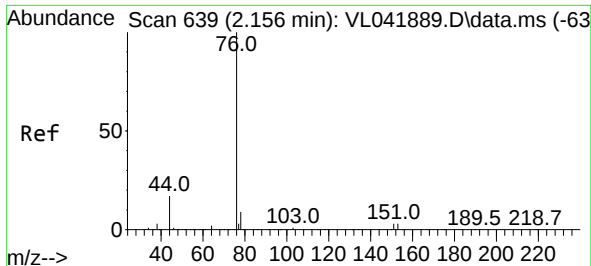
57 100

41 93.9 73.8 110.8

43 253.3 197.3 295.9

56 54.3 42.7 64.1

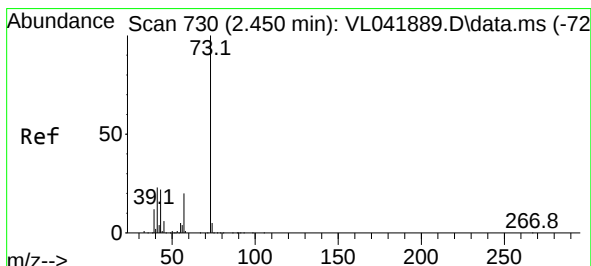
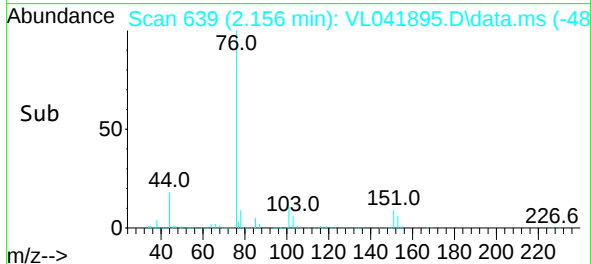
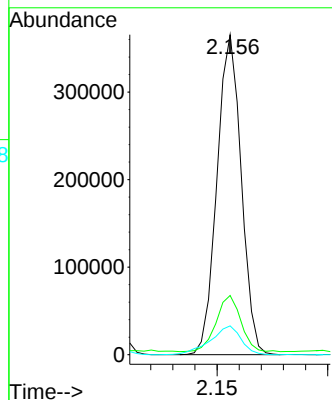
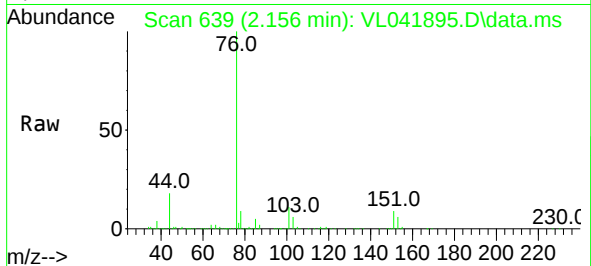




#27
Carbon Disulfide
Concen: 15.509 ppbv
RT: 2.156 min Scan# 61
Delta R.T. 0.000 min
Lab File: VL041895.D
Acq: 14 Jan 2025 16:05

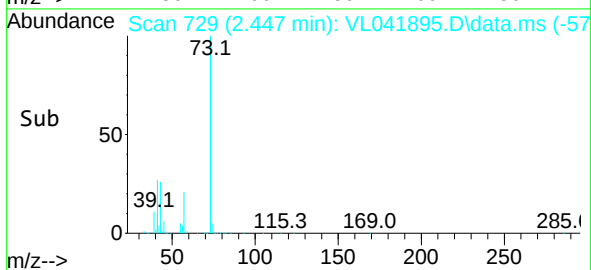
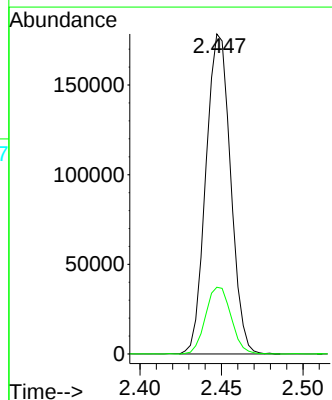
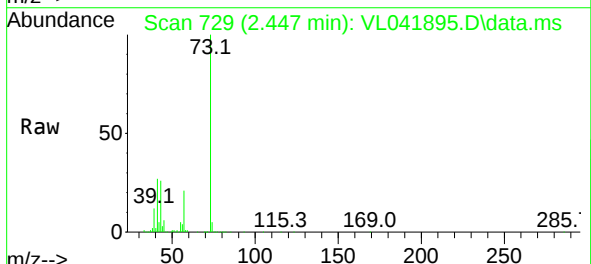
Instrument :
MSVOA_L
ClientSampleId :

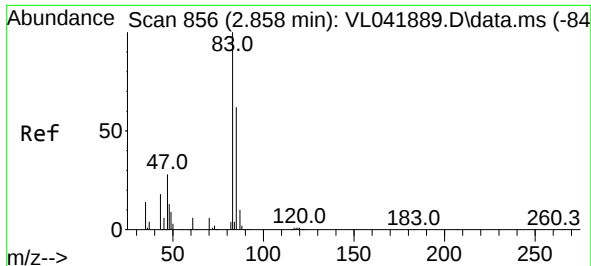
Tgt Ion: 76 Resp: 278476
Ion Ratio Lower Upper
76 100
44 18.7 15.4 23.0
78 11.3 9.3 13.9



#28
Methyl tert-Butyl Ether
Concen: 13.555 ppbv
RT: 2.447 min Scan# 729
Delta R.T. -0.003 min
Lab File: VL041895.D
Acq: 14 Jan 2025 16:05

Tgt Ion: 73 Resp: 187986
Ion Ratio Lower Upper
73 100
57 21.6 18.1 27.1





#29

Chloroform

Concen: 14.424 ppbv

RT: 2.858 min Scan# 856

Delta R.T. 0.000 min

Lab File: VL041895.D

Acq: 14 Jan 2025 16:05

Instrument :

MSVOA_L

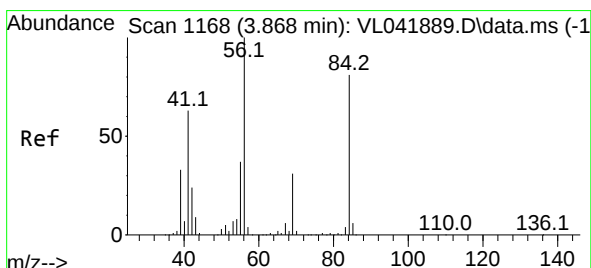
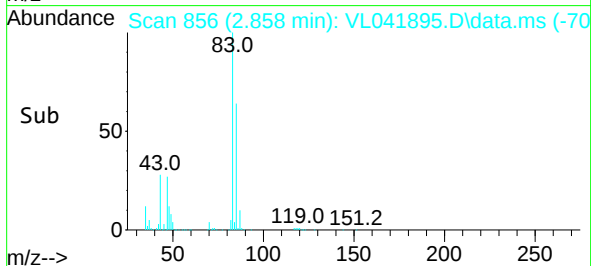
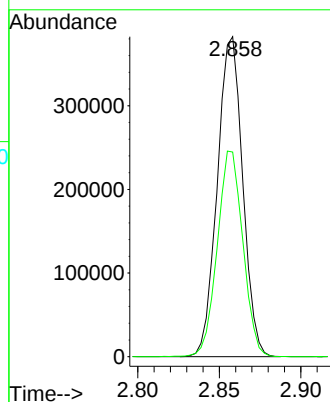
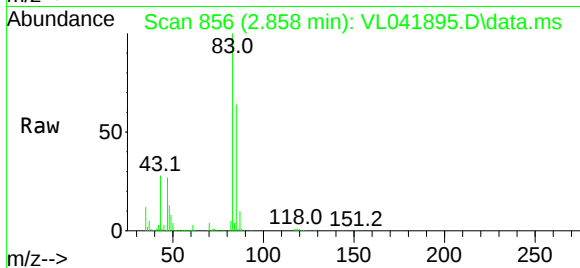
ClientSampleId :

Tgt Ion: 83 Resp: 413733

Ion Ratio Lower Upper

83 100

85 63.9 50.1 75.1



#30

Cyclohexane

Concen: 14.830 ppbv

RT: 3.868 min Scan# 1168

Delta R.T. 0.000 min

Lab File: VL041895.D

Acq: 14 Jan 2025 16:05

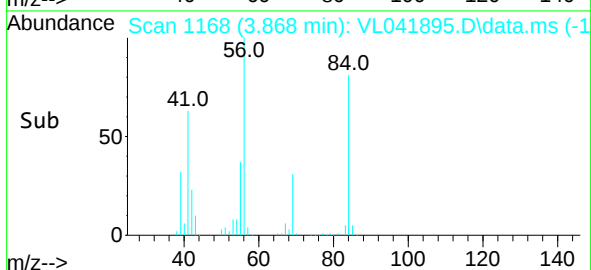
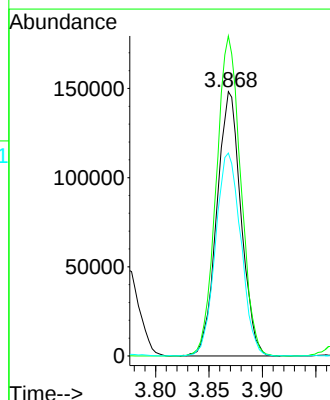
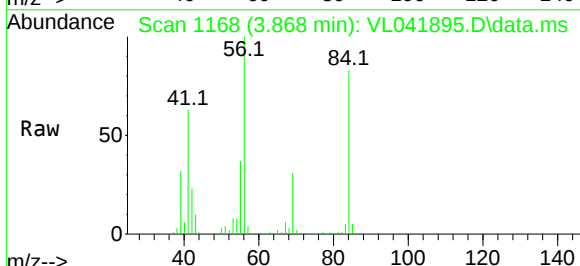
Tgt Ion: 84 Resp: 233398

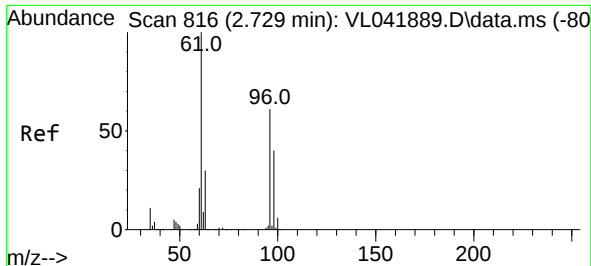
Ion Ratio Lower Upper

84 100

56 122.4 99.3 148.9

41 80.7 64.3 96.5

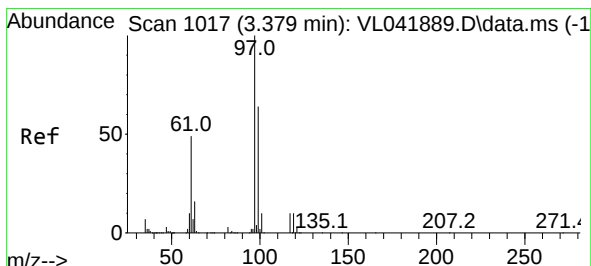
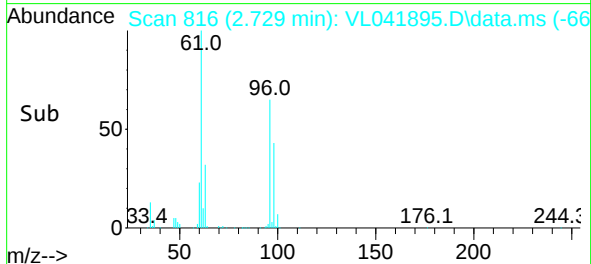
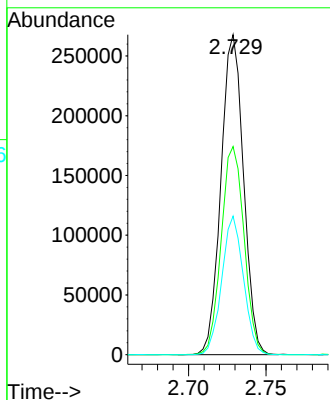
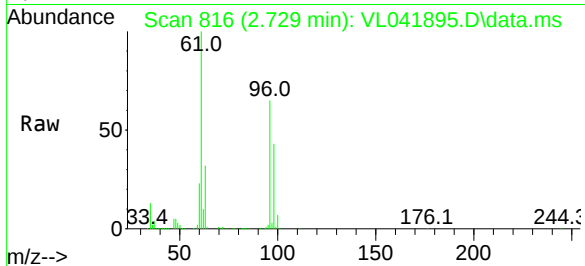




#31
 cis-1,2-Dichloroethene
 Concen: 14.223 ppbv
 RT: 2.729 min Scan# 816
 Delta R.T. 0.000 min
 Lab File: VL041895.D
 Acq: 14 Jan 2025 16:05

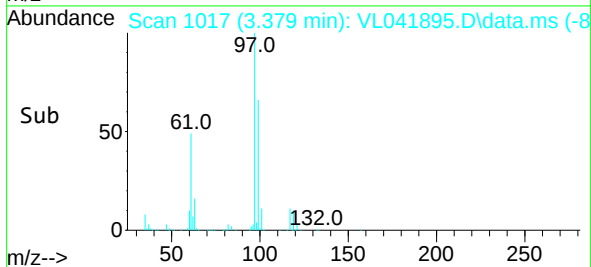
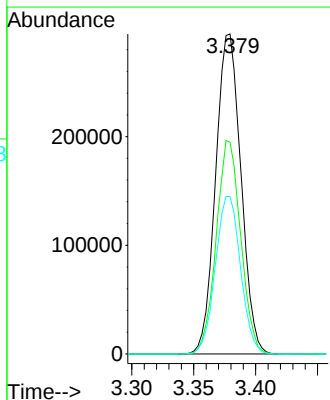
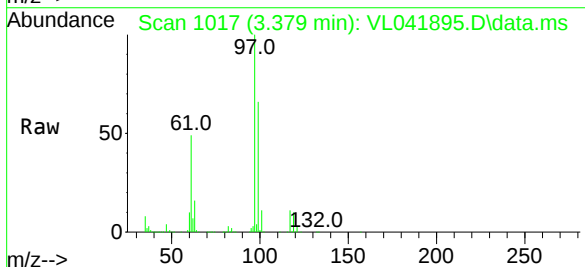
Instrument :
 MSVOA_L
 ClientSampleId :

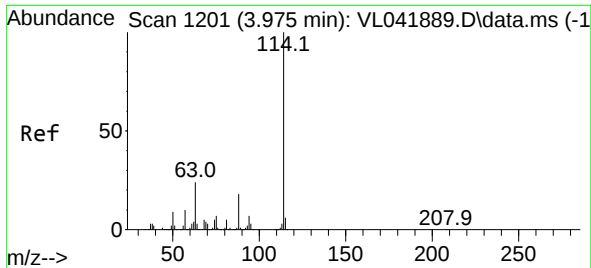
Tgt Ion: 61 Resp: 271739
 Ion Ratio Lower Upper
 61 100
 96 65.0 48.7 73.1
 98 43.3 31.6 47.4



#32
 1,1,1-Trichloroethane
 Concen: 15.271 ppbv
 RT: 3.379 min Scan# 1017
 Delta R.T. 0.000 min
 Lab File: VL041895.D
 Acq: 14 Jan 2025 16:05

Tgt Ion: 97 Resp: 419117
 Ion Ratio Lower Upper
 97 100
 99 64.5 51.1 76.7
 61 49.1 39.0 58.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.968 min Scan# 1199

Delta R.T. -0.006 min

Lab File: VL041895.D

Acq: 14 Jan 2025 16:05

Instrument :

MSVOA_L

ClientSampleId :

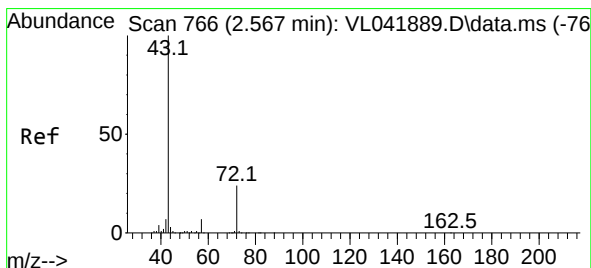
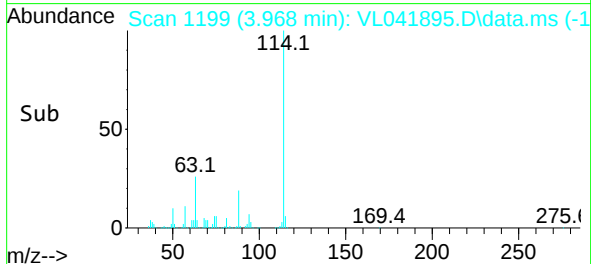
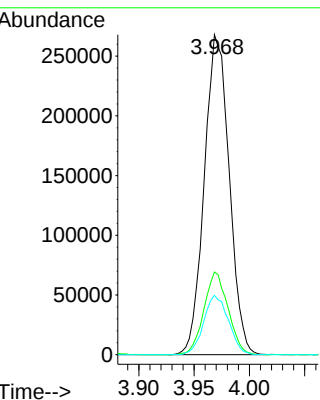
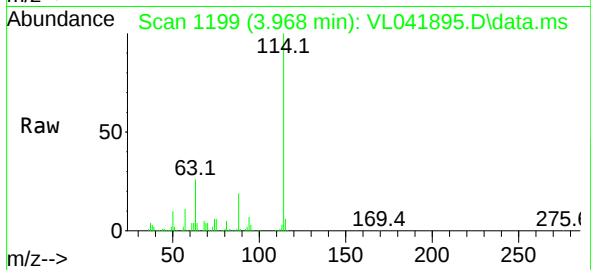
Tgt Ion:114 Resp: 419859

Ion Ratio Lower Upper

114 100

63 25.0 19.8 29.6

88 18.4 14.4 21.6



#34

2-Butanone

Concen: 14.262 ppbv

RT: 2.564 min Scan# 765

Delta R.T. -0.003 min

Lab File: VL041895.D

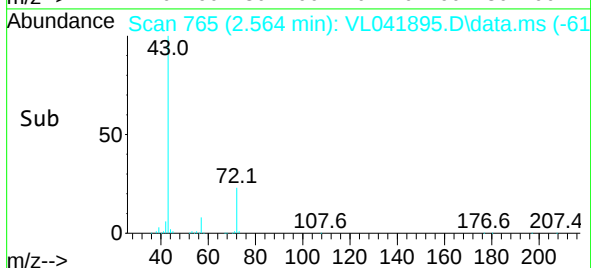
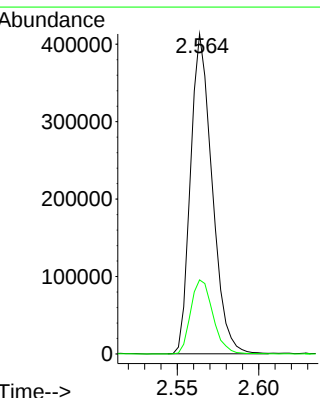
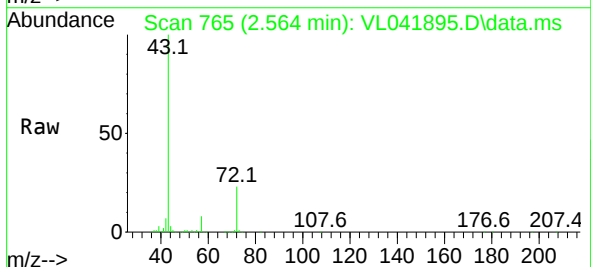
Acq: 14 Jan 2025 16:05

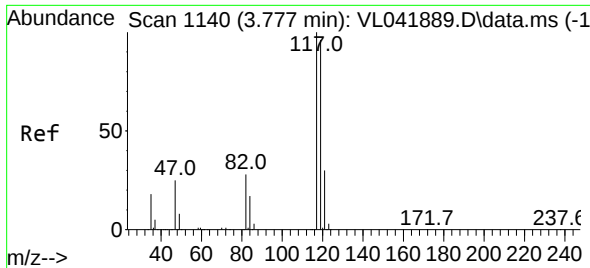
Tgt Ion: 43 Resp: 380813

Ion Ratio Lower Upper

43 100

72 23.9 18.6 28.0

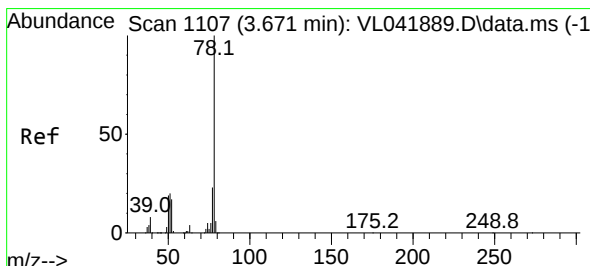
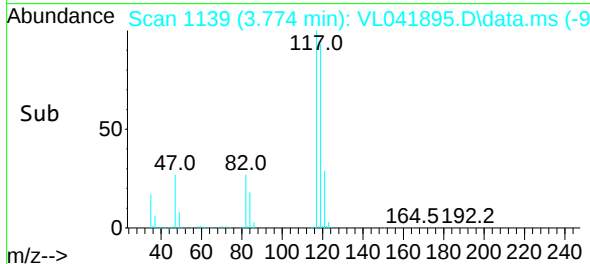
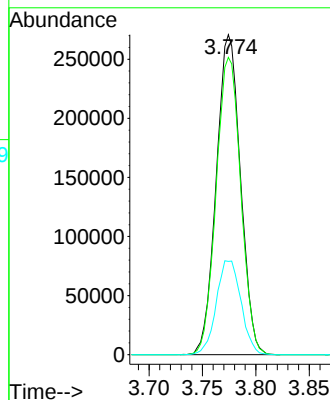
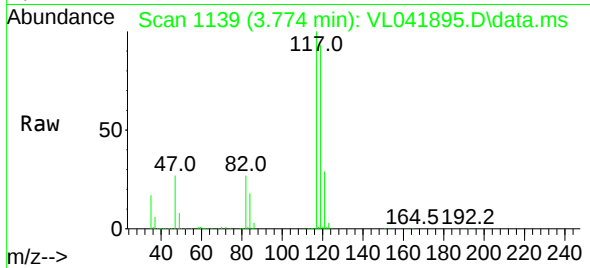




#35
Carbon Tetrachloride
Concen: 16.146 ppbv
RT: 3.774 min Scan# 1140
Delta R.T. -0.003 min
Lab File: VL041895.D
Acq: 14 Jan 2025 16:05

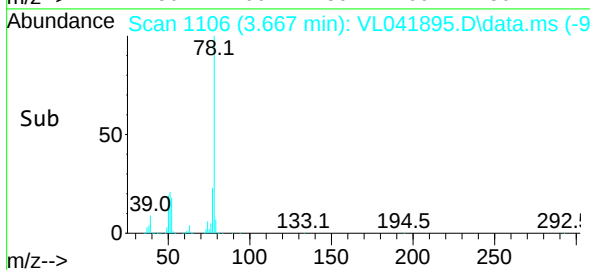
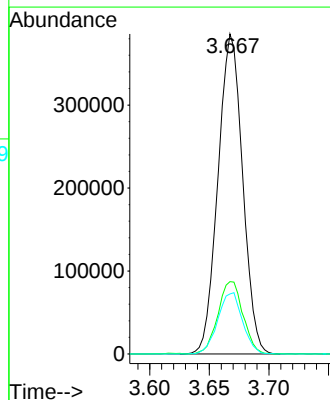
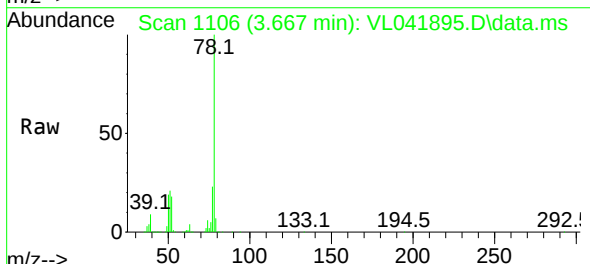
Instrument :
MSVOA_L
ClientSampleId :

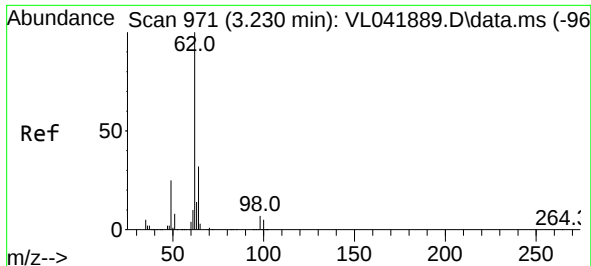
Tgt Ion:117 Resp: 426619
Ion Ratio Lower Upper
117 100
119 92.9 76.9 115.3
121 29.1 23.8 35.6



#36
Benzene
Concen: 14.378 ppbv
RT: 3.667 min Scan# 1106
Delta R.T. -0.003 min
Lab File: VL041895.D
Acq: 14 Jan 2025 16:05

Tgt Ion: 78 Resp: 553665
Ion Ratio Lower Upper
78 100
77 22.5 18.1 27.1
50 18.7 15.2 22.8





#37

1,2-Dichloroethane

Concen: 14.859 ppbv

RT: 3.227 min Scan# 91

Delta R.T. -0.003 min

Lab File: VL041895.D

Acq: 14 Jan 2025 16:05

Instrument :

MSVOA_L

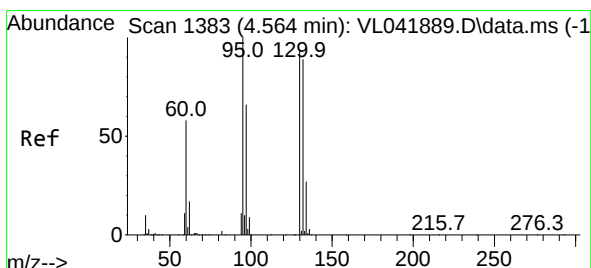
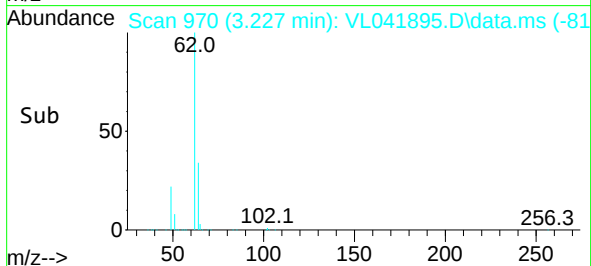
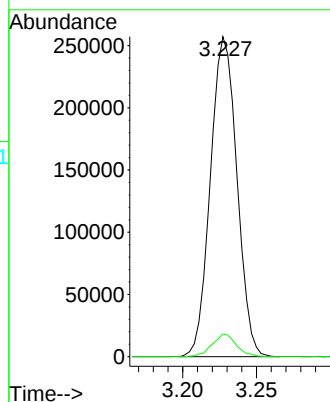
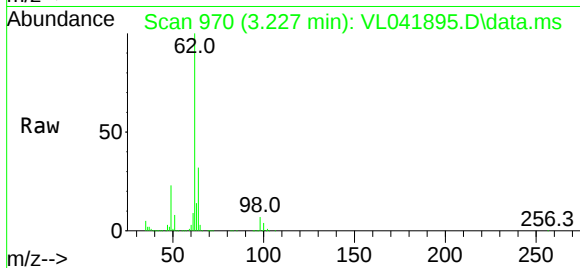
ClientSampleId :

Tgt Ion: 62 Resp: 321362

Ion Ratio Lower Upper

62 100

98 6.5 5.4 8.0



#38

Trichloroethene

Concen: 14.543 ppbv

RT: 4.564 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VL041895.D

Acq: 14 Jan 2025 16:05

Tgt Ion:130 Resp: 222328

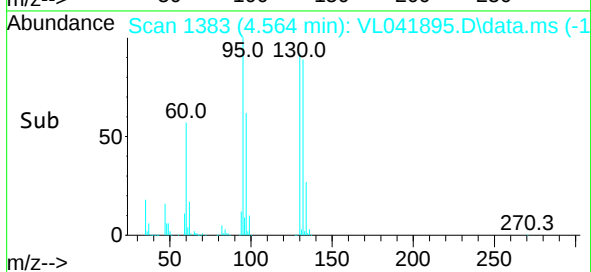
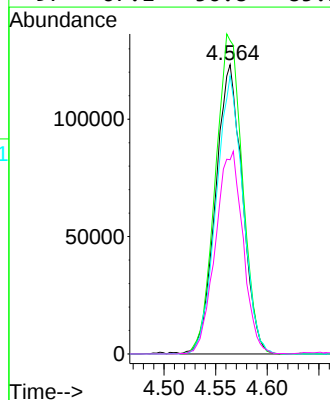
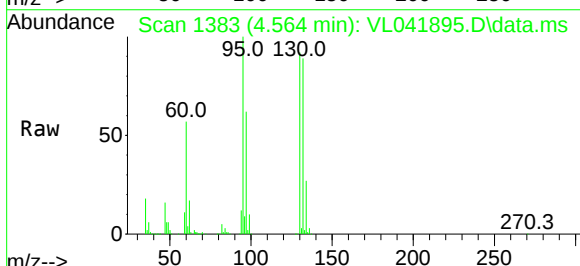
Ion Ratio Lower Upper

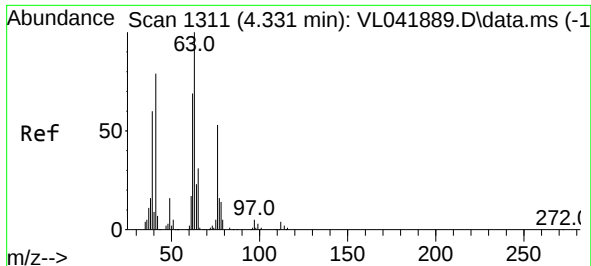
130 100

95 108.3 85.8 128.8

132 96.1 76.5 114.7

97 67.1 56.8 85.2





#39

1,2-Dichloropropane

Concen: 14.179 ppbv

RT: 4.328 min Scan# 11

Delta R.T. -0.003 min

Lab File: VL041895.D

Acq: 14 Jan 2025 16:05

Instrument :

MSVOA_L

ClientSampleId :

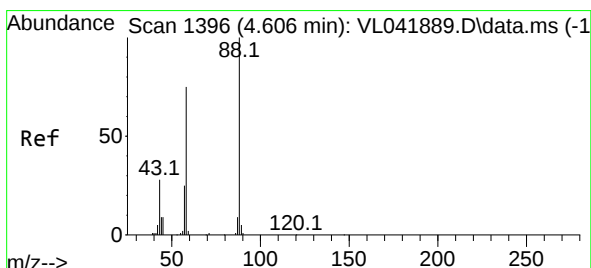
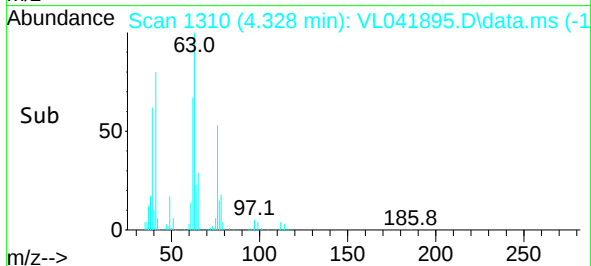
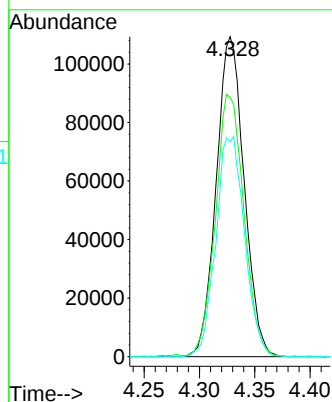
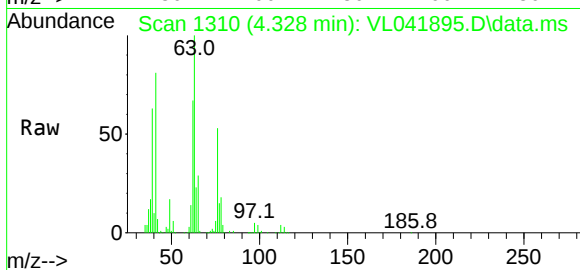
Tgt Ion: 63 Resp: 191532

Ion Ratio Lower Upper

63 100

41 80.8 63.7 95.5

62 67.1 55.4 83.2



#40

1,4-Dioxane

Concen: 14.305 ppbv

RT: 4.596 min Scan# 1393

Delta R.T. -0.010 min

Lab File: VL041895.D

Acq: 14 Jan 2025 16:05

Tgt Ion: 88 Resp: 97521

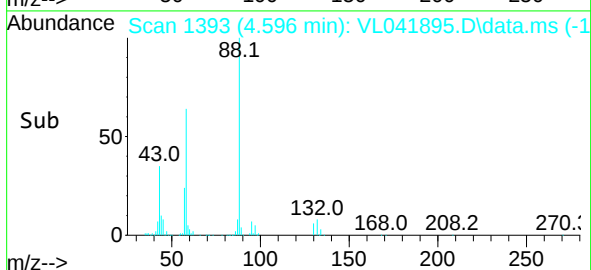
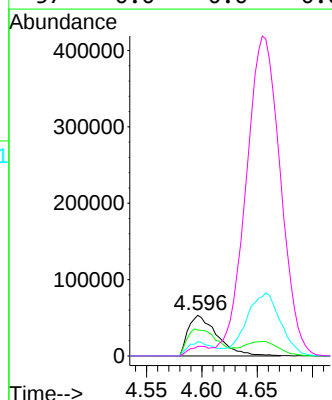
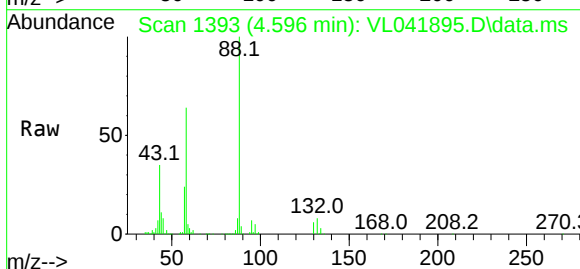
Ion Ratio Lower Upper

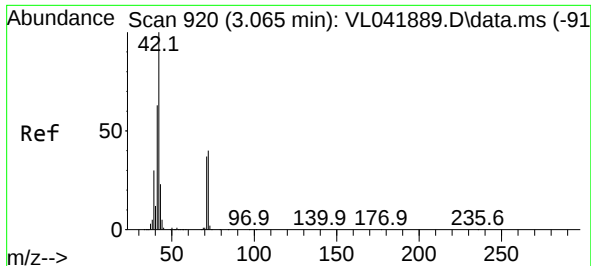
88 100

58 71.1 62.1 93.1

43 33.1 0.0 0.0#

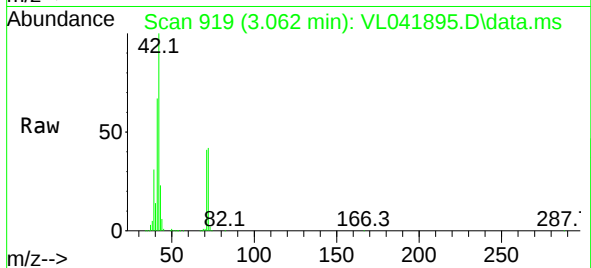
57 0.0 0.0 0.0



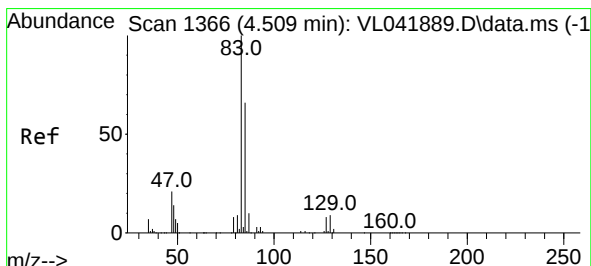
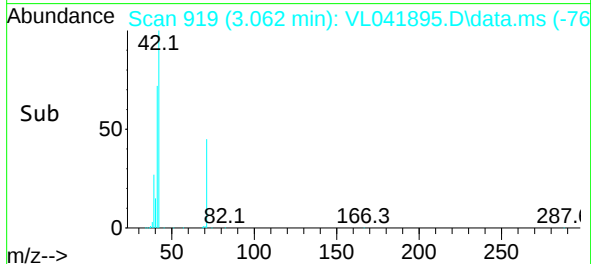
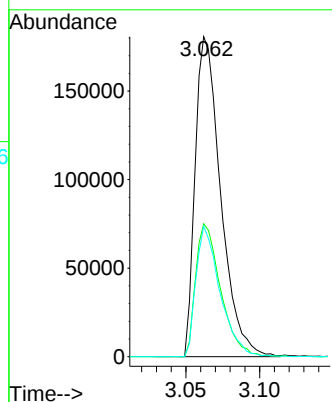


#41
Tetrahydrofuran
Concen: 14.953 ppbv
RT: 3.062 min Scan# 919
Delta R.T. -0.003 min
Lab File: VL041895.D
Acq: 14 Jan 2025 16:05

Instrument :
MSVOA_L
ClientSampleId :

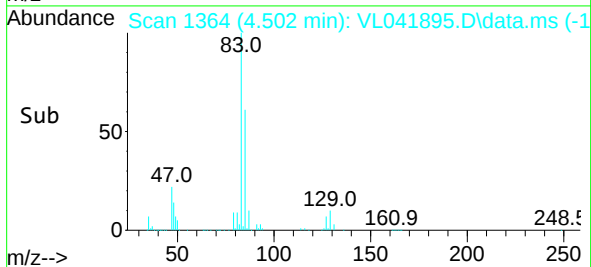
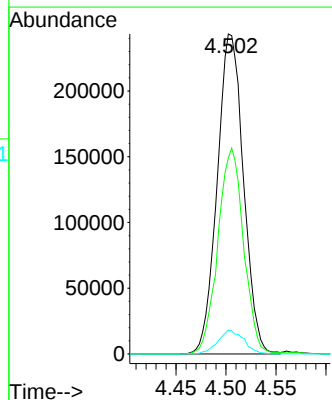
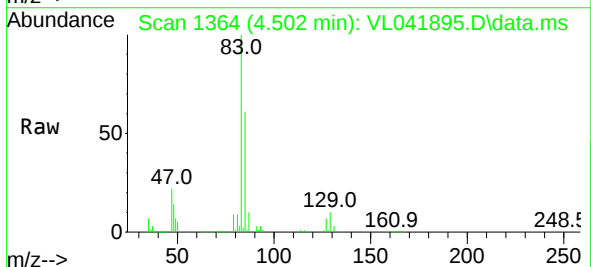


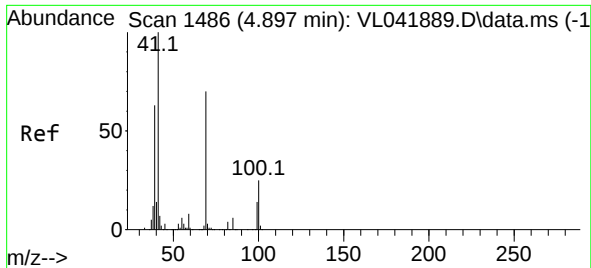
Tgt Ion: 42 Resp: 217707
Ion Ratio Lower Upper
42 100
72 40.7 32.3 48.5
71 38.6 29.9 44.9



#42
Bromodichloromethane
Concen: 15.351 ppbv
RT: 4.502 min Scan# 1364
Delta R.T. -0.006 min
Lab File: VL041895.D
Acq: 14 Jan 2025 16:05

Tgt Ion: 83 Resp: 445130
Ion Ratio Lower Upper
83 100
85 61.2 52.6 78.8
127 7.5 6.4 9.6

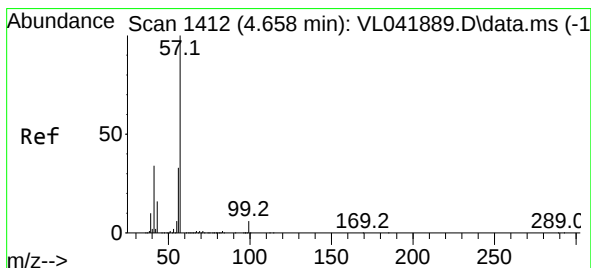
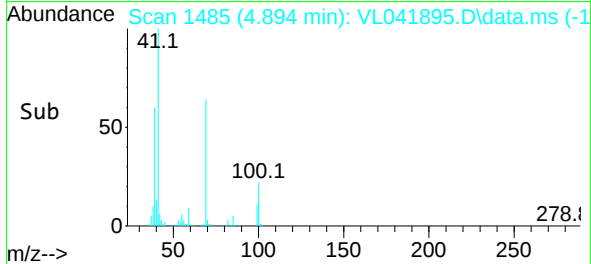
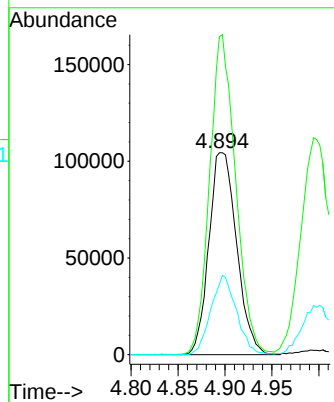
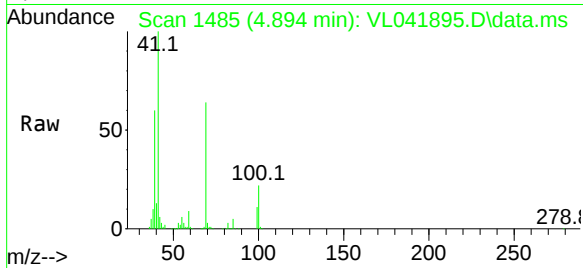




#43
Methyl Methacrylate
Concen: 14.999 ppbv
RT: 4.894 min Scan# 1485
Delta R.T. -0.003 min
Lab File: VL041895.D
Acq: 14 Jan 2025 16:05

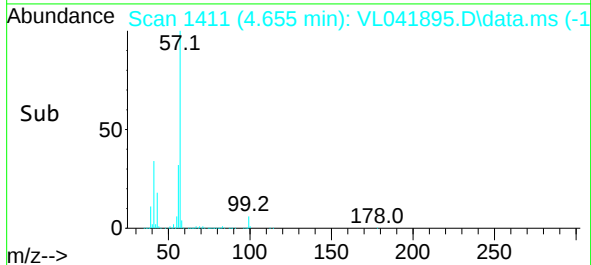
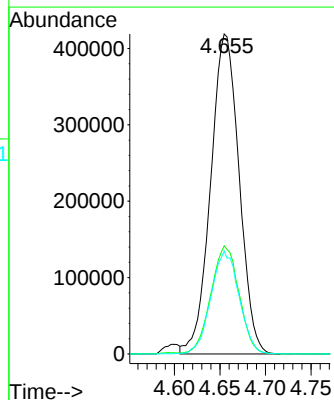
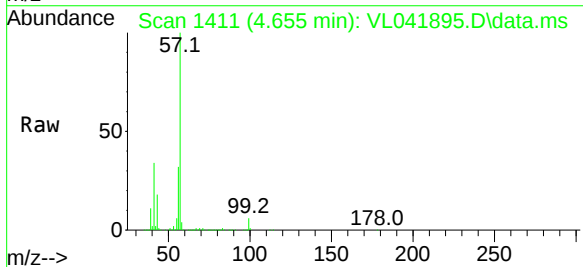
Instrument :
MSVOA_L
ClientSampleId :

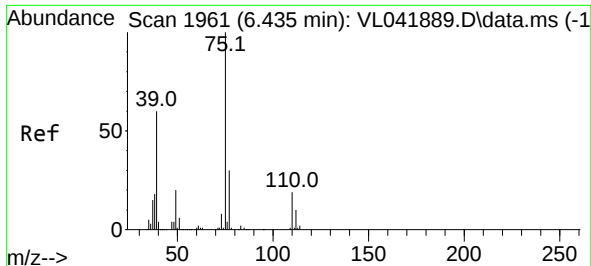
Tgt Ion: 69 Resp: 214564
Ion Ratio Lower Upper
69 100
41 148.9 118.6 177.8
100 36.3 29.3 43.9



#44
2,2,4-Trimethylpentane
Concen: 14.601 ppbv
RT: 4.655 min Scan# 1411
Delta R.T. -0.003 min
Lab File: VL041895.D
Acq: 14 Jan 2025 16:05

Tgt Ion: 57 Resp: 909437
Ion Ratio Lower Upper
57 100
41 33.7 26.6 40.0
56 31.9 25.4 38.2





#45

t-1,3-Dichloropropene

Concen: 16.281 ppbv

RT: 6.435 min Scan# 1961

Delta R.T. 0.000 min

Lab File: VL041895.D

Acq: 14 Jan 2025 16:05

Instrument :

MSVOA_L

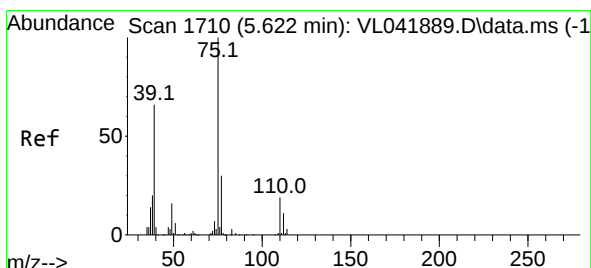
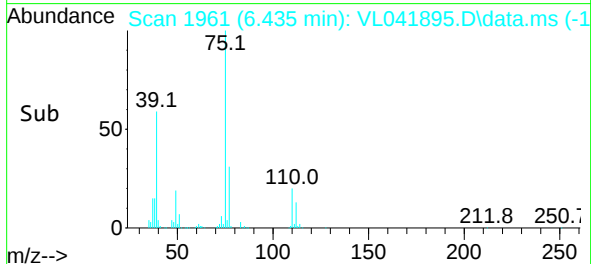
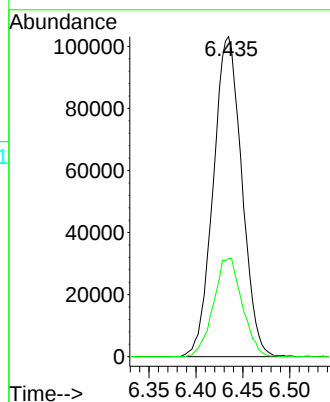
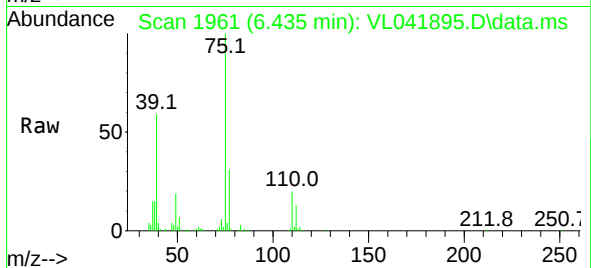
ClientSampleId :

Tgt Ion: 75 Resp: 218001

Ion Ratio Lower Upper

75 100

77 30.6 24.3 36.5



#46

cis-1,3-Dichloropropene

Concen: 16.011 ppbv

RT: 5.619 min Scan# 1709

Delta R.T. -0.003 min

Lab File: VL041895.D

Acq: 14 Jan 2025 16:05

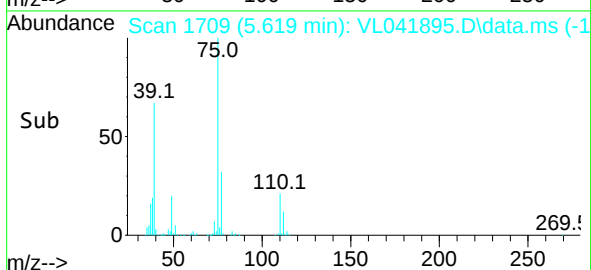
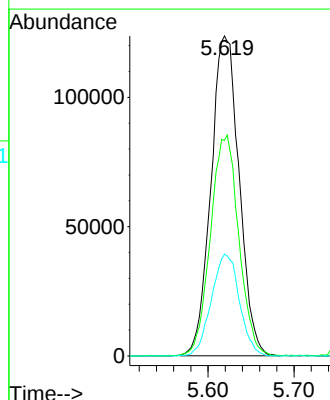
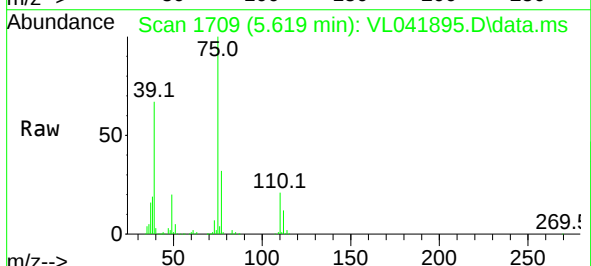
Tgt Ion: 75 Resp: 281492

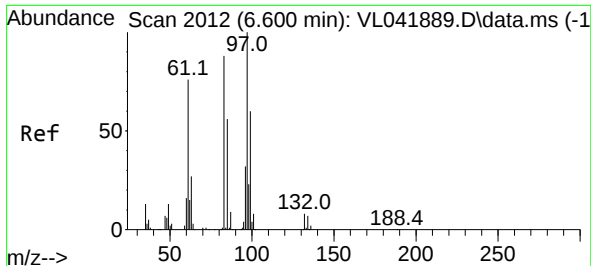
Ion Ratio Lower Upper

75 100

39 67.3 53.1 79.7

77 31.8 23.8 35.8





#47

1,1,2-Trichloroethane

Concen: 14.782 ppbv

RT: 6.597 min Scan# 20

Delta R.T. -0.003 min

Lab File: VL041895.D

Acq: 14 Jan 2025 16:05

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 97 Resp: 211658

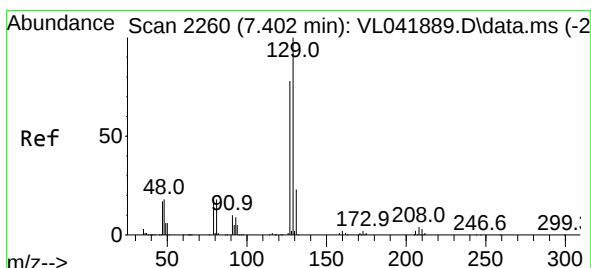
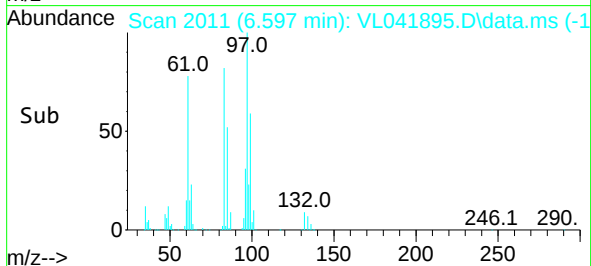
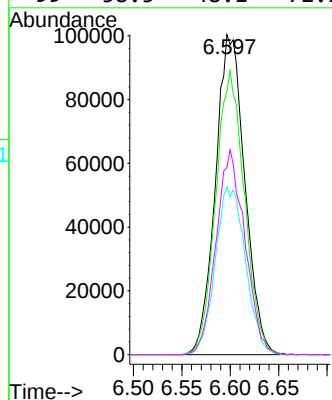
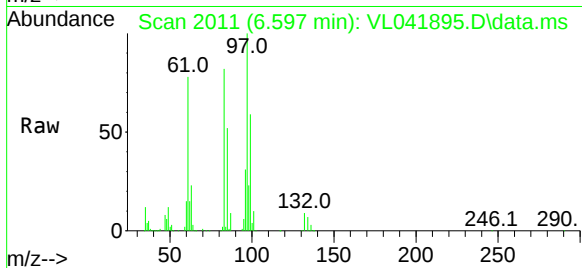
Ion Ratio Lower Upper

97 100

83 82.3 70.4 105.6

85 52.4 45.0 67.4

99 58.5 48.1 72.1



#48

Dibromochloromethane

Concen: 16.134 ppbv

RT: 7.402 min Scan# 2260

Delta R.T. 0.000 min

Lab File: VL041895.D

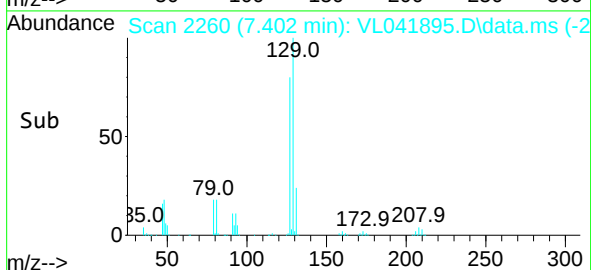
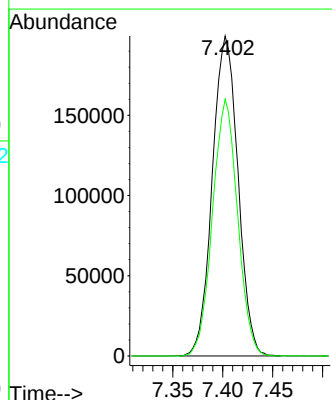
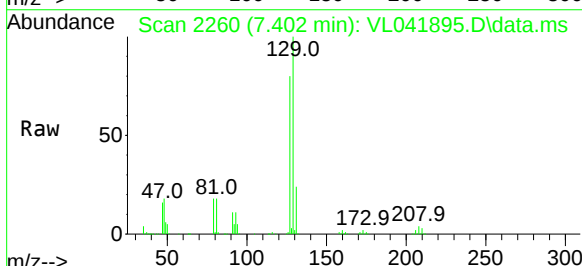
Acq: 14 Jan 2025 16:05

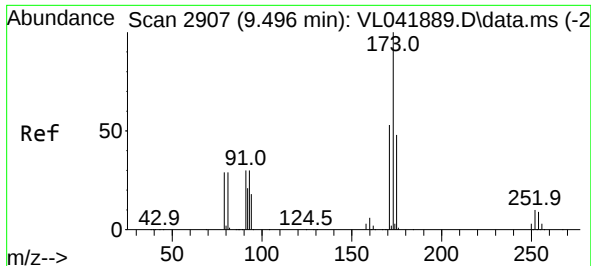
Tgt Ion:129 Resp: 356392

Ion Ratio Lower Upper

129 100

127 78.3 39.3 117.8





#49

Bromoform

Concen: 16.953 ppbv

RT: 9.493 min Scan# 2907

Delta R.T. -0.003 min

Lab File: VL041895.D

Acq: 14 Jan 2025 16:05

Instrument :

MSVOA_L

ClientSampleId :

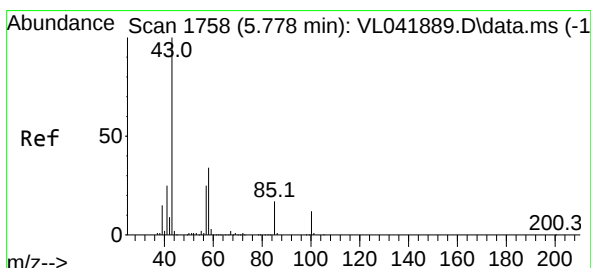
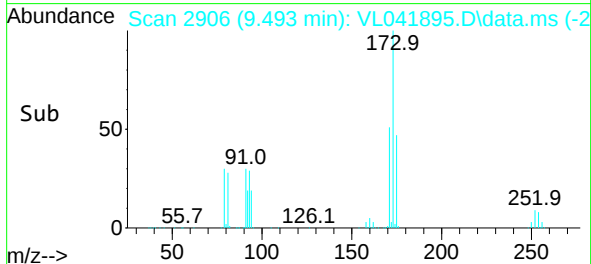
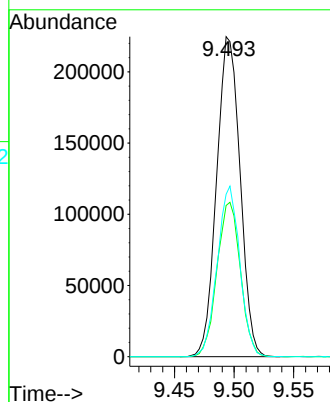
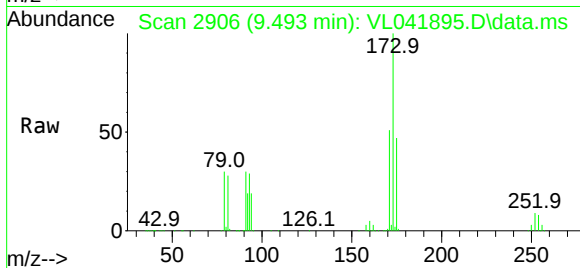
Tgt Ion:173 Resp: 307617

Ion Ratio Lower Upper

173 100

175 48.2 38.4 57.6

171 51.2 41.4 62.2



#50

4-Methyl-2-Pentanone

Concen: 14.653 ppbv

RT: 5.774 min Scan# 1757

Delta R.T. -0.003 min

Lab File: VL041895.D

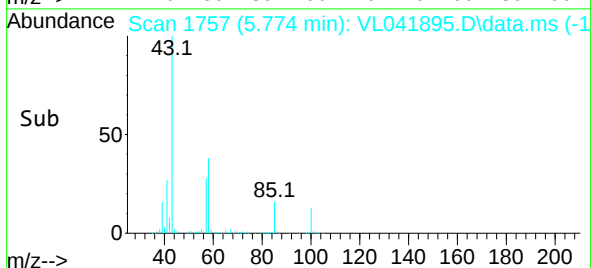
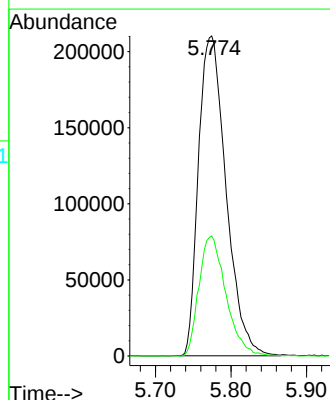
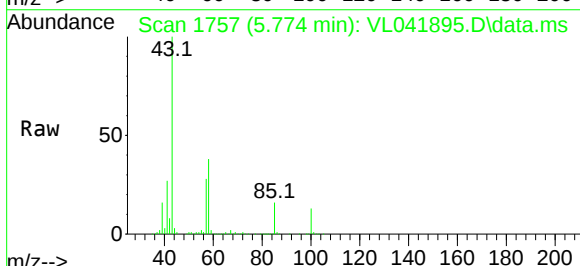
Acq: 14 Jan 2025 16:05

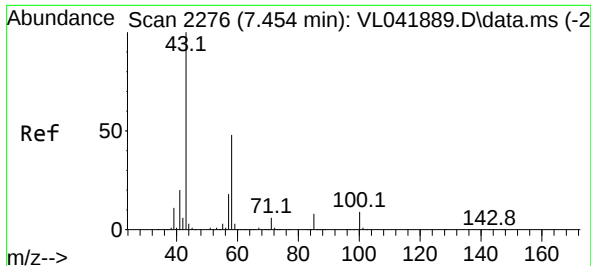
Tgt Ion: 43 Resp: 533053

Ion Ratio Lower Upper

43 100

58 36.7 29.0 43.6

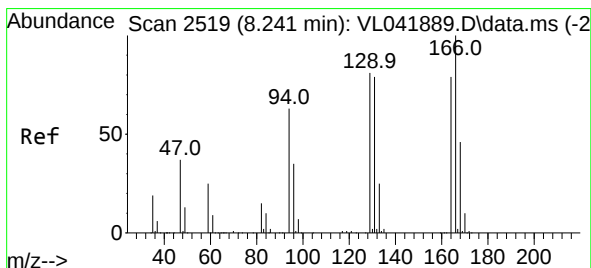
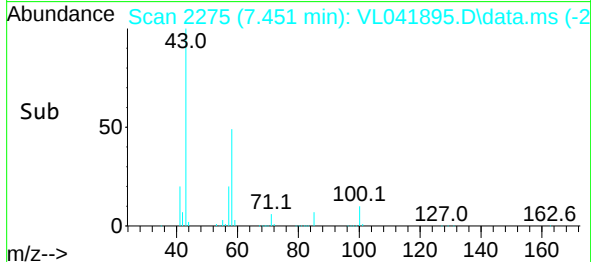
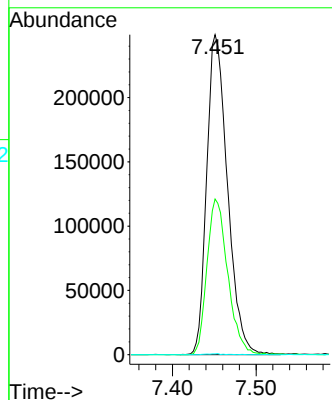
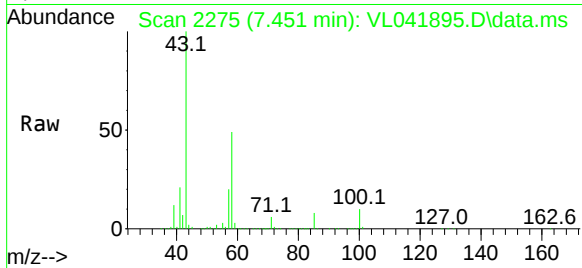




#51
2-Hexanone
Concen: 15.363 ppbv
RT: 7.451 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL041895.D
Acq: 14 Jan 2025 16:05

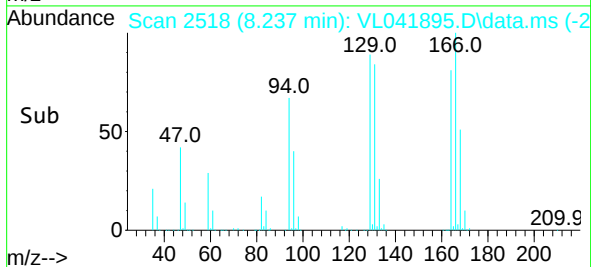
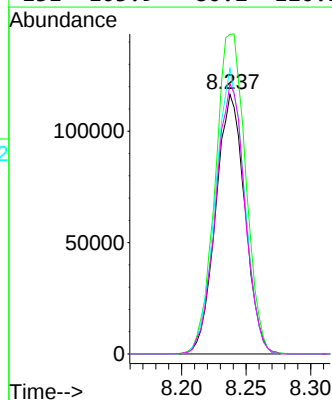
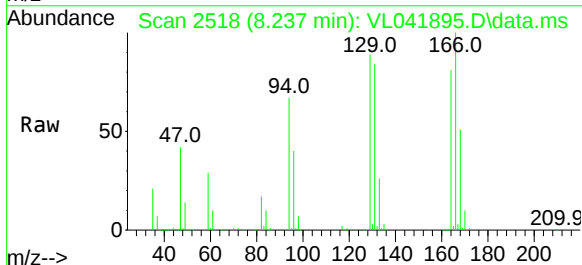
Instrument :
MSVOA_L
ClientSampleId :

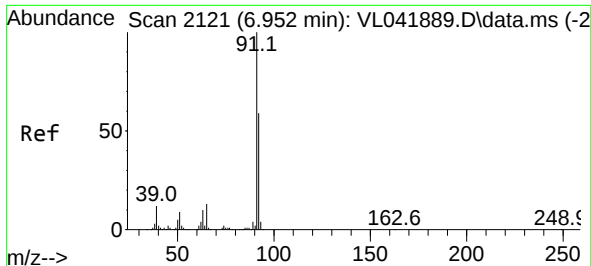
Tgt Ion: 43 Resp: 430297
Ion Ratio Lower Upper
43 100
58 48.8 40.4 60.6
98 0.3 0.2 0.2#



#52
Tetrachloroethene
Concen: 13.721 ppbv
RT: 8.237 min Scan# 2518
Delta R.T. -0.003 min
Lab File: VL041895.D
Acq: 14 Jan 2025 16:05

Tgt Ion:164 Resp: 183208
Ion Ratio Lower Upper
164 100
166 123.0 100.8 151.2
129 109.8 82.0 123.0
131 103.9 80.2 120.2

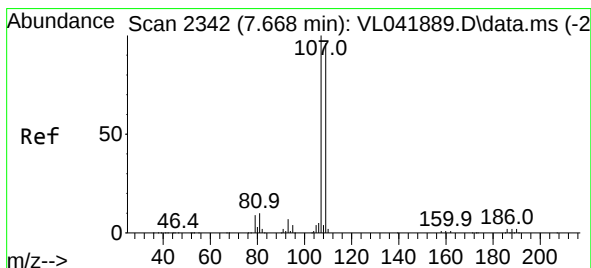
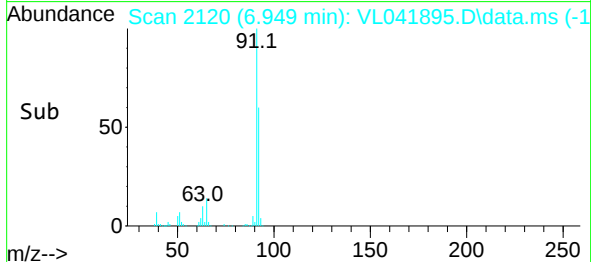
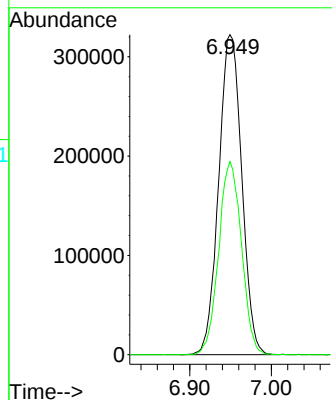
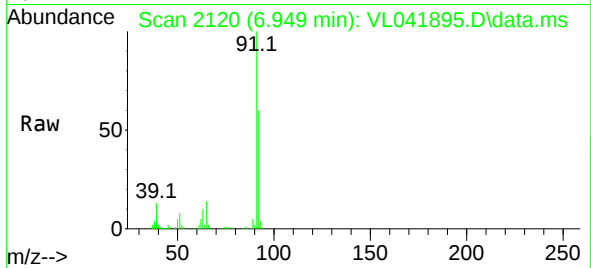




#53
Toluene
Concen: 15.126 ppbv
RT: 6.949 min Scan# 2121
Delta R.T. -0.003 min
Lab File: VL041895.D
Acq: 14 Jan 2025 16:05

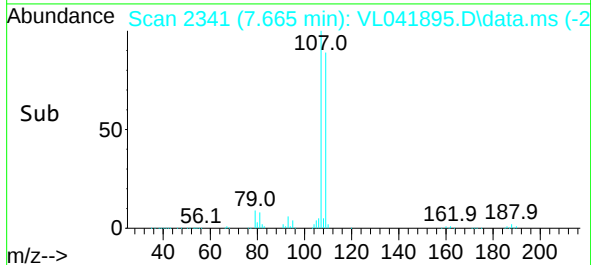
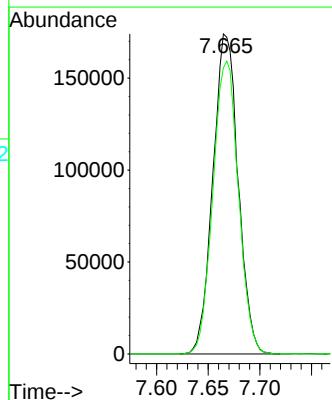
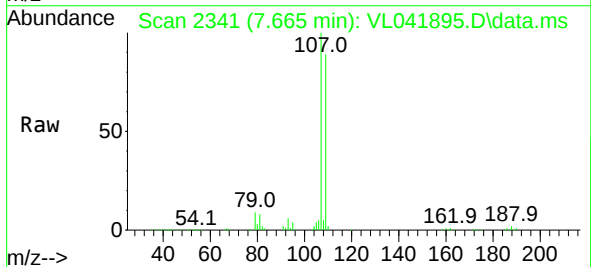
Instrument :
MSVOA_L
ClientSampleId :

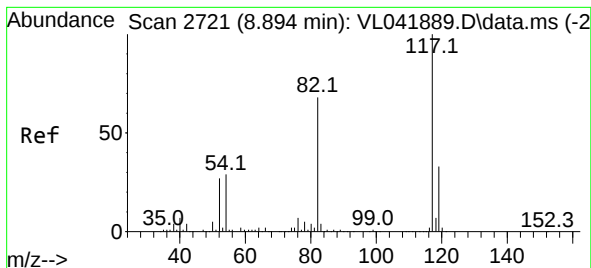
Tgt Ion: 91 Resp: 634515
Ion Ratio Lower Upper
91 100
92 59.6 47.4 71.0



#54
1,2-Dibromoethane
Concen: 15.036 ppbv
RT: 7.665 min Scan# 2341
Delta R.T. -0.003 min
Lab File: VL041895.D
Acq: 14 Jan 2025 16:05

Tgt Ion: 107 Resp: 295967
Ion Ratio Lower Upper
107 100
109 89.4 76.7 115.1





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.895 min Scan# 21

Delta R.T. 0.000 min

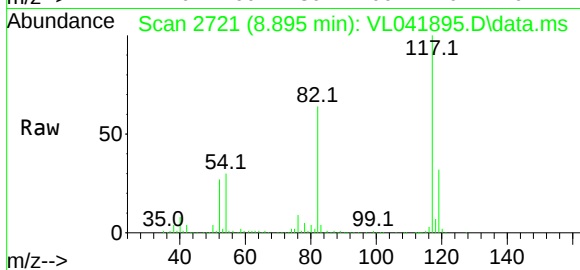
Lab File: VL041895.D

Acq: 14 Jan 2025 16:05

Instrument :

MSVOA_L

ClientSampleId :



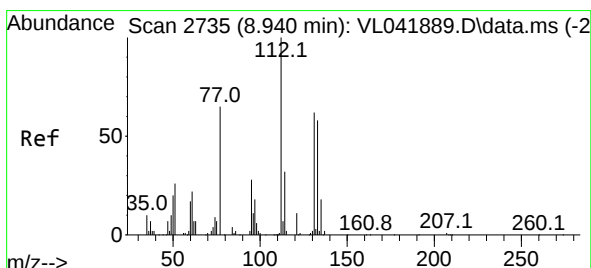
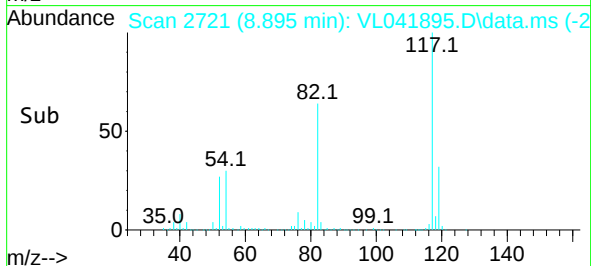
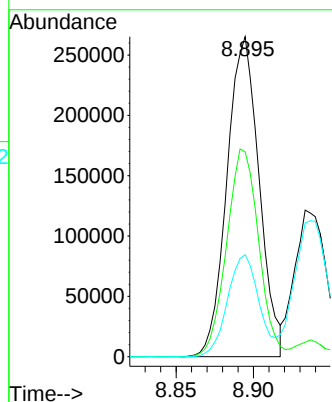
Tgt Ion:117 Resp: 383799

Ion Ratio Lower Upper

117 100

82 69.4 54.2 81.4

119 31.1 25.0 37.6



#56

1,1,1,2-Tetrachloroethane

Concen: 14.665 ppbv

RT: 8.937 min Scan# 2734

Delta R.T. -0.003 min

Lab File: VL041895.D

Acq: 14 Jan 2025 16:05

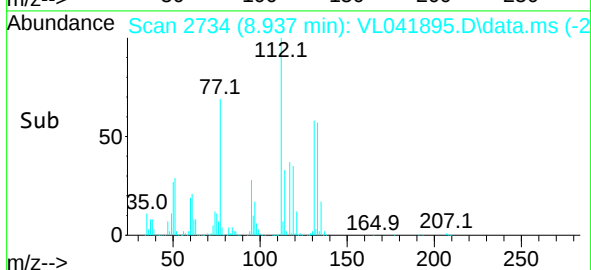
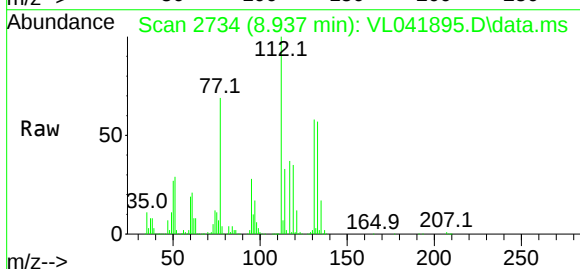
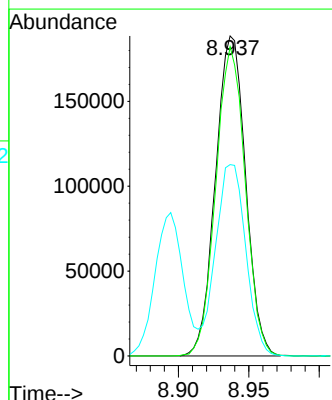
Tgt Ion:131 Resp: 280809

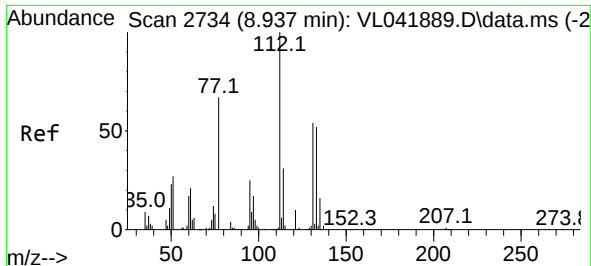
Ion Ratio Lower Upper

131 100

133 94.3 76.0 114.0

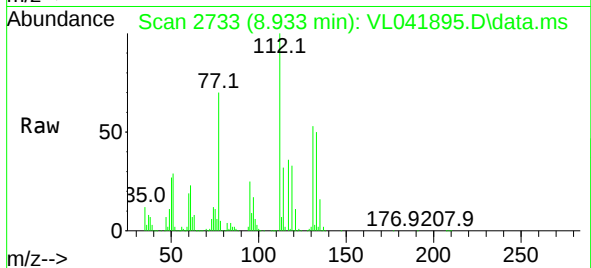
119 59.0 49.7 74.5



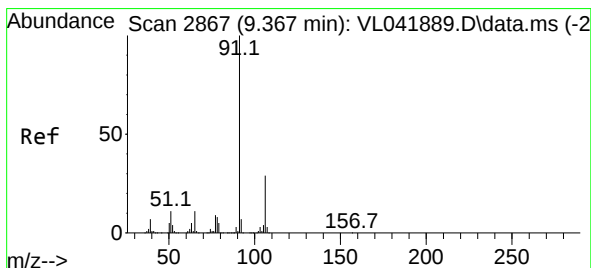
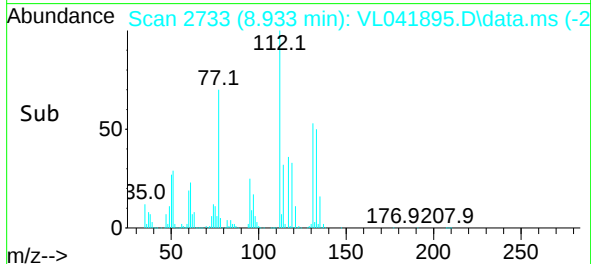
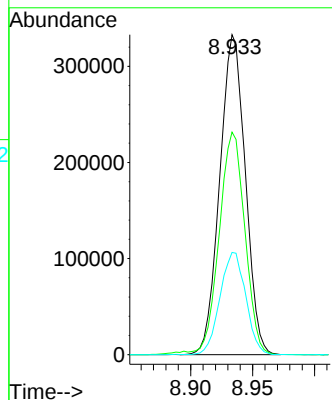


#57
Chlorobenzene
Concen: 13.533 ppbv
RT: 8.933 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL041895.D
Acq: 14 Jan 2025 16:05

Instrument :
MSVOA_L
ClientSampleId :

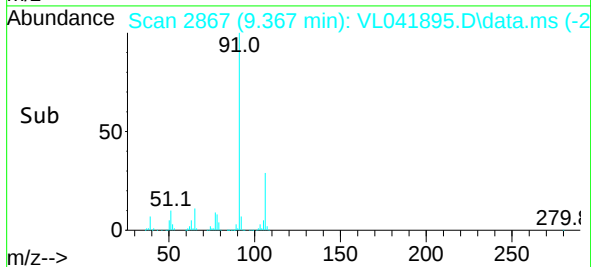
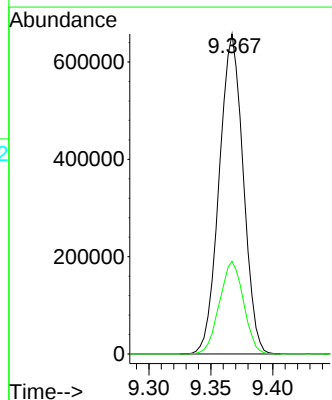
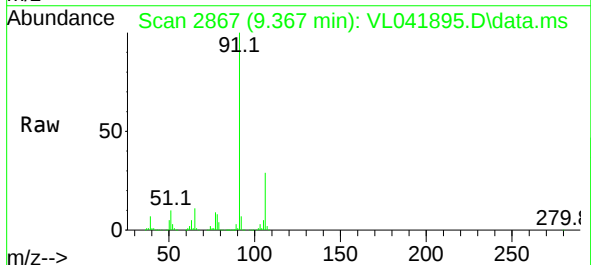


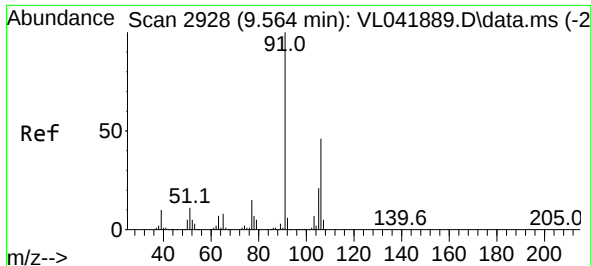
Tgt Ion:112 Resp: 479092
Ion Ratio Lower Upper
112 100
77 69.5 54.6 82.0
114 31.9 28.2 34.4



#58
Ethyl Benzene
Concen: 14.789 ppbv
RT: 9.367 min Scan# 2867
Delta R.T. 0.000 min
Lab File: VL041895.D
Acq: 14 Jan 2025 16:05

Tgt Ion: 91 Resp: 887072
Ion Ratio Lower Upper
91 100
106 28.9 23.1 34.7

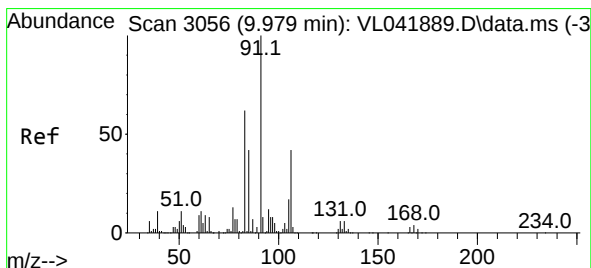
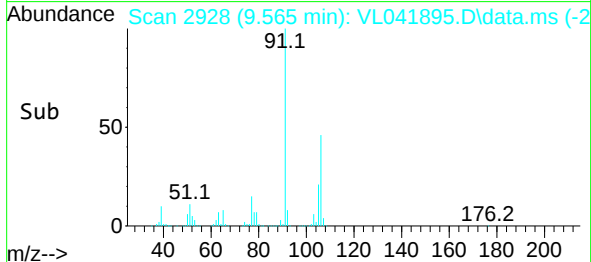
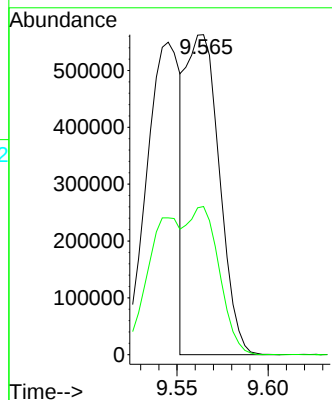
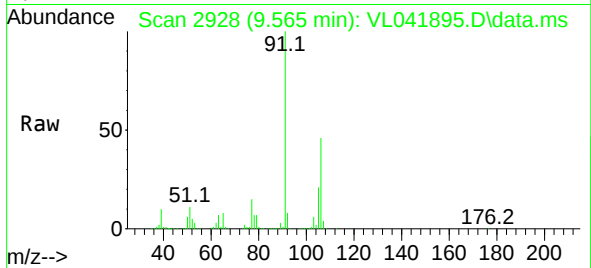




#59
m/p-Xylene
Concen: 14.954 ppbv
RT: 9.565 min Scan# 2928
Delta R.T. 0.000 min
Lab File: VL041895.D
Acq: 14 Jan 2025 16:05

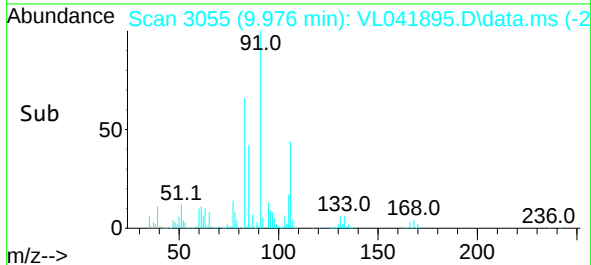
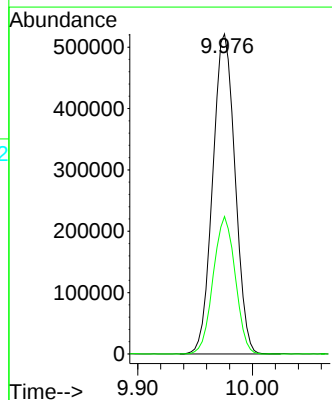
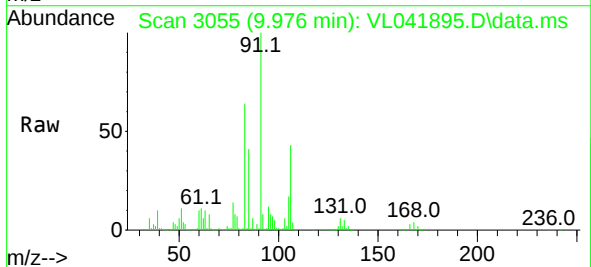
Instrument :
MSVOA_L
ClientSampleId :

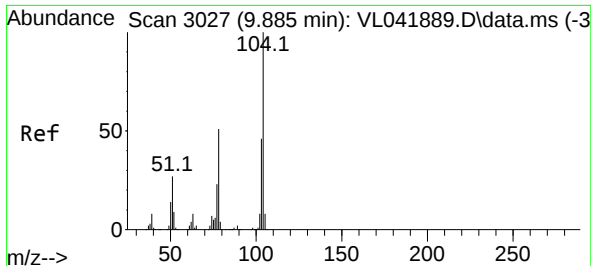
Tgt Ion: 91 Resp: 719940
Ion Ratio Lower Upper
91 100
106 88.7 36.0 54.0#



#60
o-Xylene
Concen: 14.765 ppbv
RT: 9.976 min Scan# 3055
Delta R.T. -0.003 min
Lab File: VL041895.D
Acq: 14 Jan 2025 16:05

Tgt Ion: 91 Resp: 704577
Ion Ratio Lower Upper
91 100
106 42.4 21.3 63.9





#61

Styrene

Concen: 15.999 ppbv

RT: 9.882 min Scan# 3027

Delta R.T. -0.003 min

Lab File: VL041895.D

Acq: 14 Jan 2025 16:05

Instrument :

MSVOA_L

ClientSampleId :

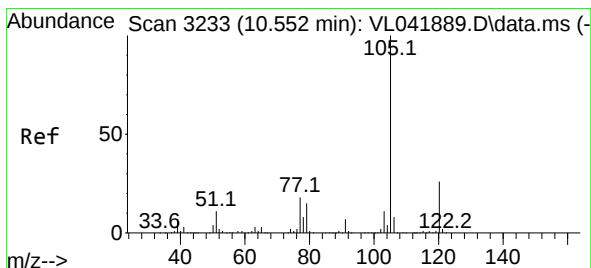
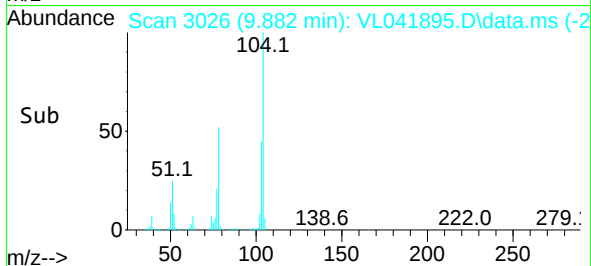
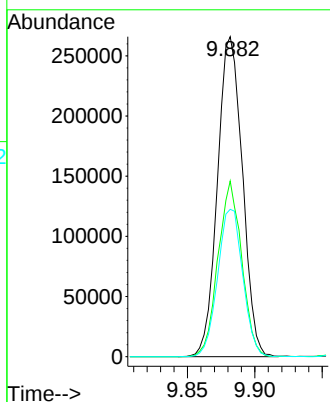
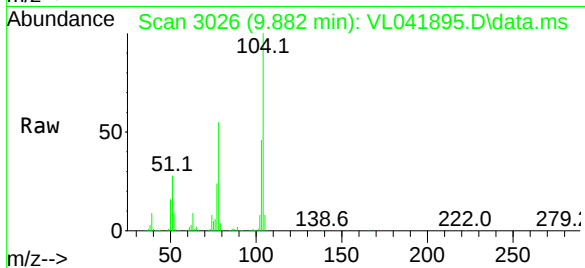
Tgt Ion:104 Resp: 342490

Ion Ratio Lower Upper

104 100

78 52.1 41.0 61.6

103 46.4 37.2 55.8



#62

Isopropylbenzene

Concen: 14.406 ppbv

RT: 10.548 min Scan# 3232

Delta R.T. -0.003 min

Lab File: VL041895.D

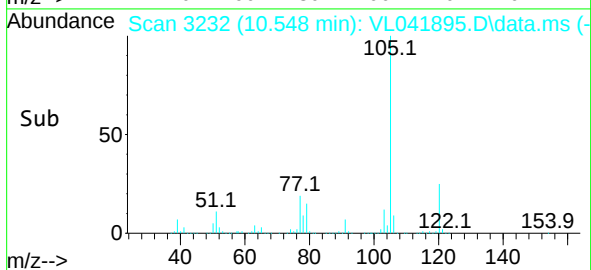
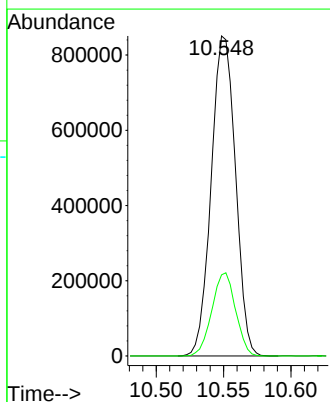
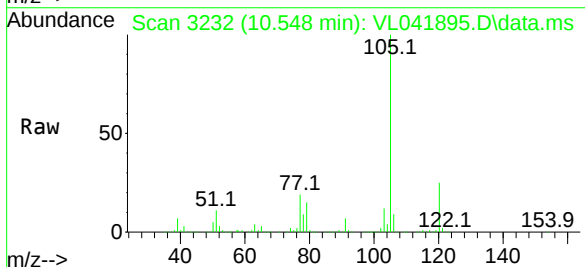
Acq: 14 Jan 2025 16:05

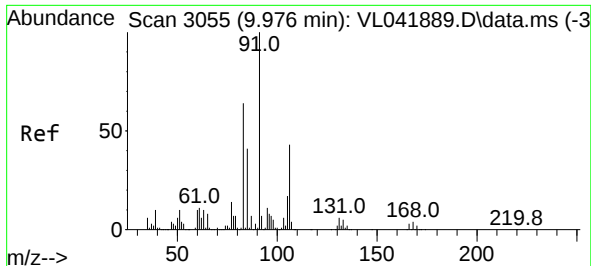
Tgt Ion:105 Resp: 1063809

Ion Ratio Lower Upper

105 100

120 25.4 20.3 30.5

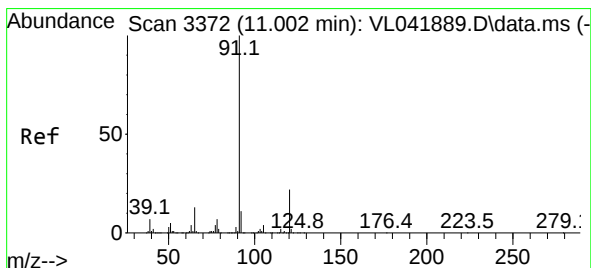
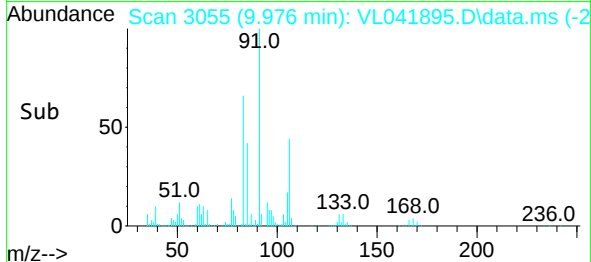
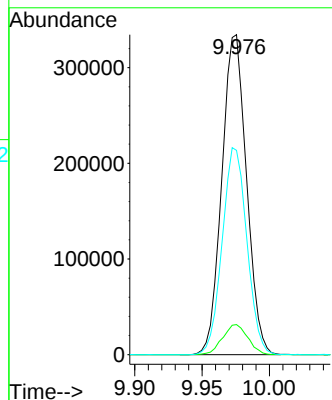
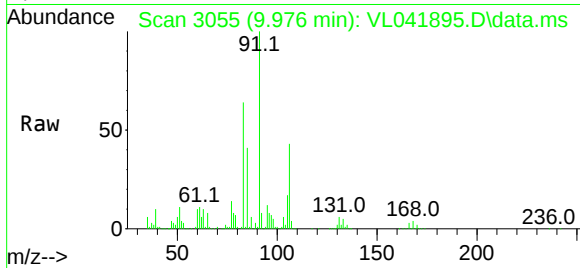




#63
1,1,2,2-Tetrachloroethane
Concen: 14.194 ppbv
RT: 9.976 min Scan# 3055
Delta R.T. 0.000 min
Lab File: VL041895.D
Acq: 14 Jan 2025 16:05

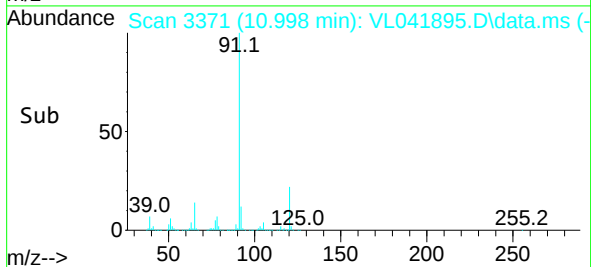
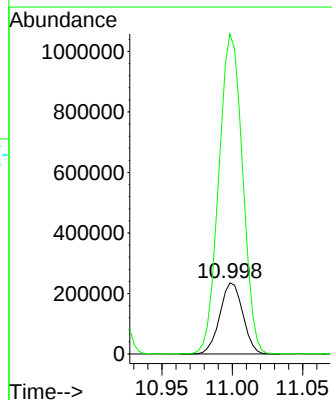
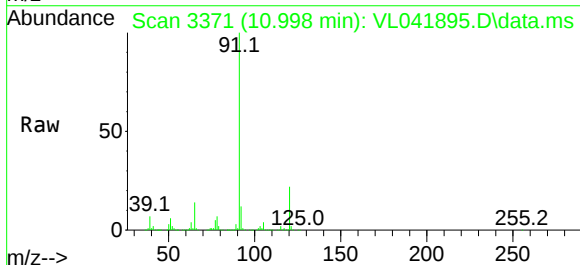
Instrument :
MSVOA_L
ClientSampleId :

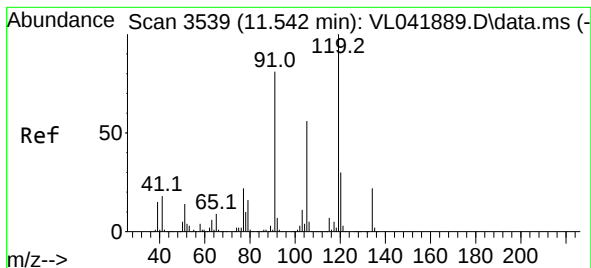
Tgt Ion: 83 Resp: 426347
Ion Ratio Lower Upper
83 100
131 9.6 4.8 14.4
85 64.7 32.4 97.2



#64
n-propylbenzene
Concen: 14.308 ppbv
RT: 10.998 min Scan# 3371
Delta R.T. -0.003 min
Lab File: VL041895.D
Acq: 14 Jan 2025 16:05

Tgt Ion: 120 Resp: 266972
Ion Ratio Lower Upper
120 100
91 467.7 374.1 561.1





#65

tert-Butylbenzene

Concen: 14.077 ppbv

RT: 11.542 min Scan# 3539

Delta R.T. 0.000 min

Lab File: VL041895.D

Acq: 14 Jan 2025 16:05

Instrument :

MSVOA_L

ClientSampleId :

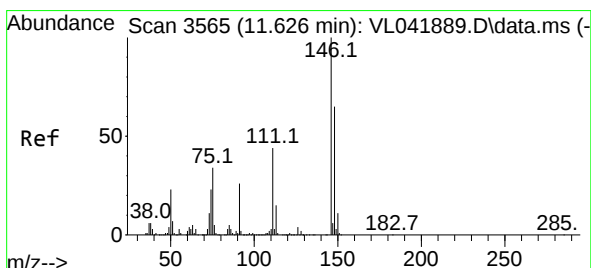
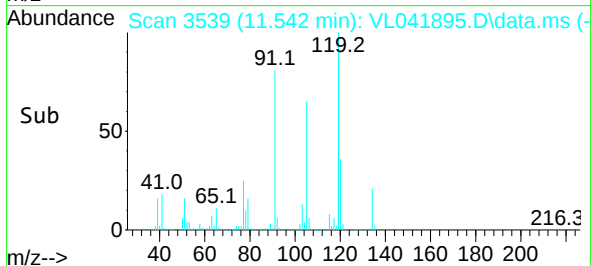
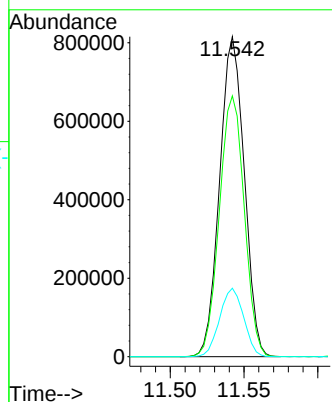
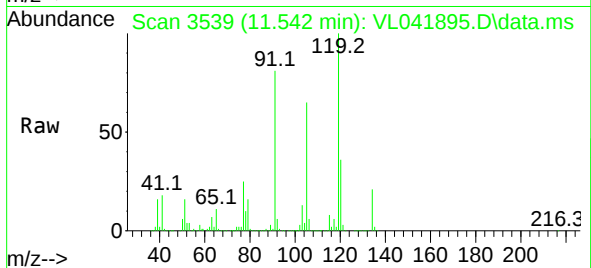
Tgt Ion:119 Resp: 947297

Ion Ratio Lower Upper

119 100

91 82.5 64.6 97.0

134 20.9 16.8 25.2



#66

Benzyl Chloride

Concen: 16.475 ppbv

RT: 11.626 min Scan# 3565

Delta R.T. 0.000 min

Lab File: VL041895.D

Acq: 14 Jan 2025 16:05

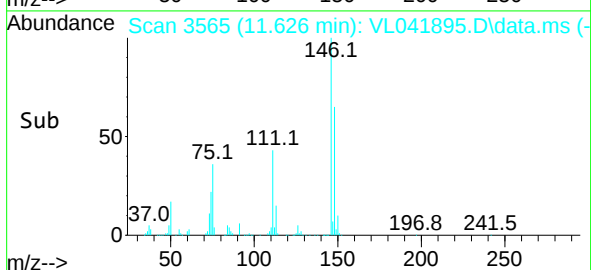
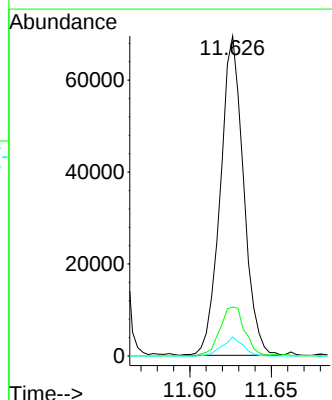
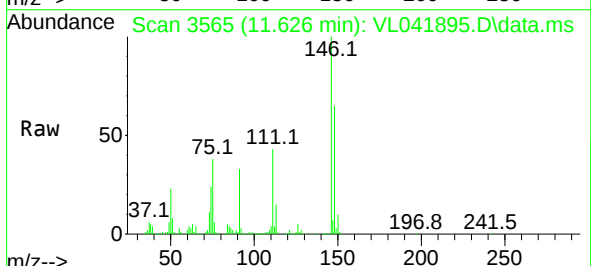
Tgt Ion: 91 Resp: 68623

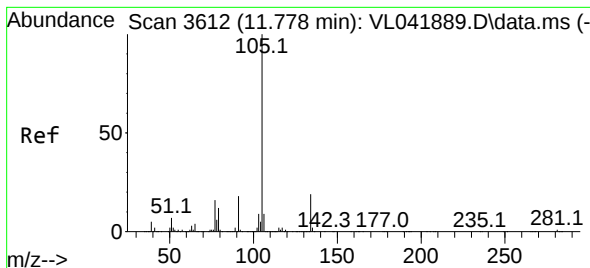
Ion Ratio Lower Upper

91 100

126 16.7 14.1 21.1

128 5.3 4.3 6.5





#67

sec-Butylbenzene

Concen: 13.952 ppbv

RT: 11.778 min Scan# 3612

Delta R.T. 0.000 min

Lab File: VL041895.D

Acq: 14 Jan 2025 16:05

Instrument :

MSVOA_L

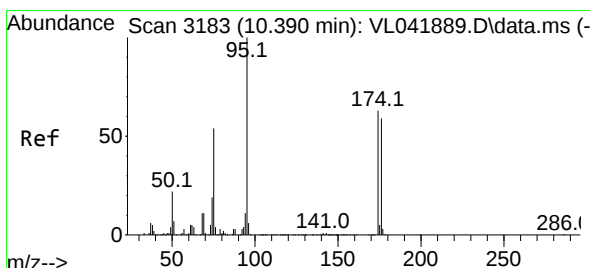
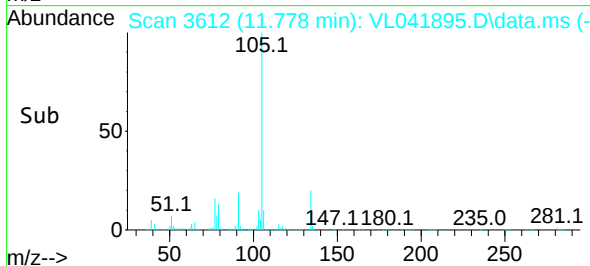
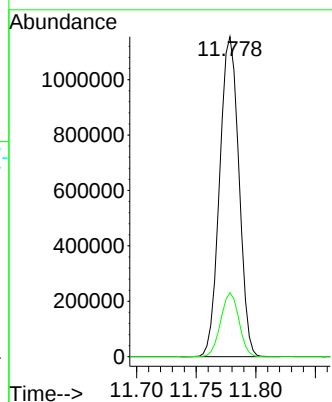
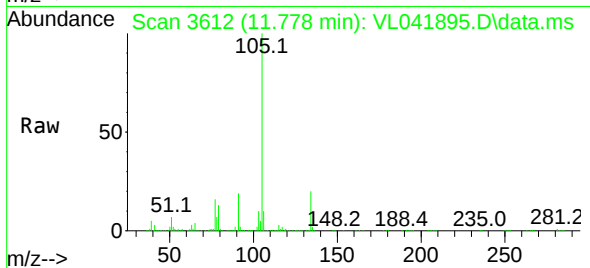
ClientSampleId :

Tgt Ion:105 Resp: 1292858

Ion Ratio Lower Upper

105 100

134 19.0 15.1 22.7



#68

1-Bromo-4-Fluorobenzene

Concen: 10.058 ppbv

RT: 10.387 min Scan# 3182

Delta R.T. -0.003 min

Lab File: VL041895.D

Acq: 14 Jan 2025 16:05

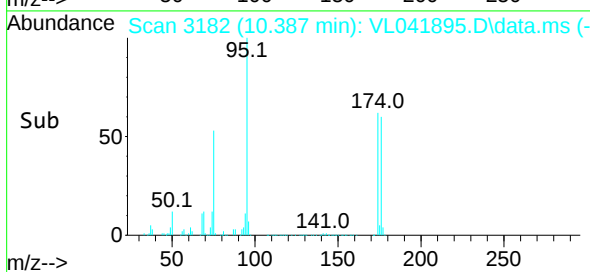
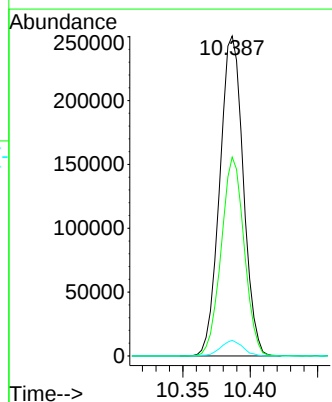
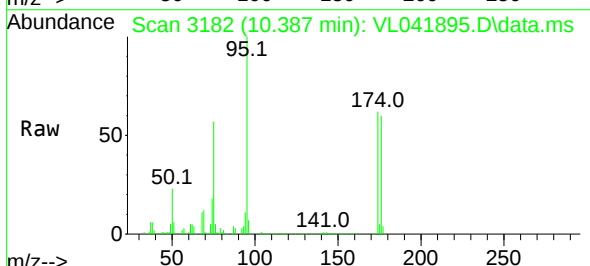
Tgt Ion: 95 Resp: 304042

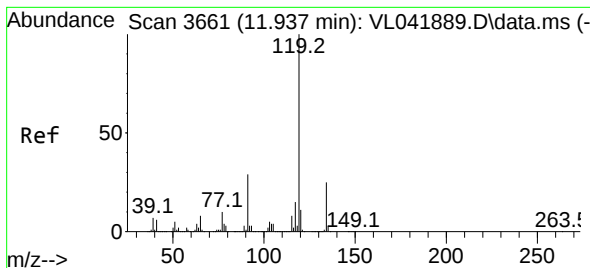
Ion Ratio Lower Upper

95 100

174 60.7 49.0 73.4

175 4.6 3.8 5.8

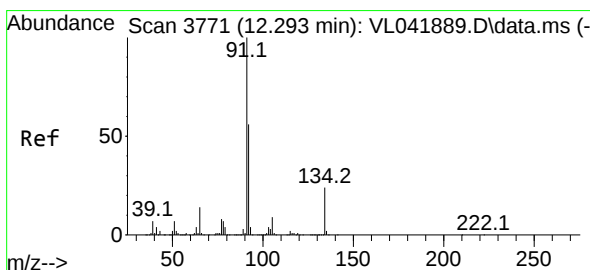
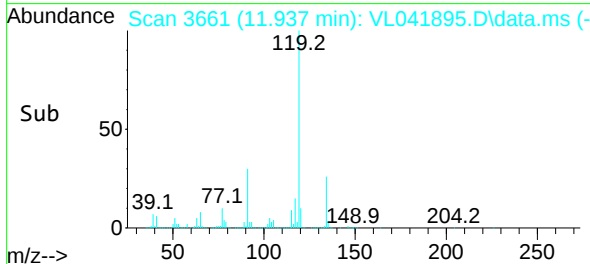
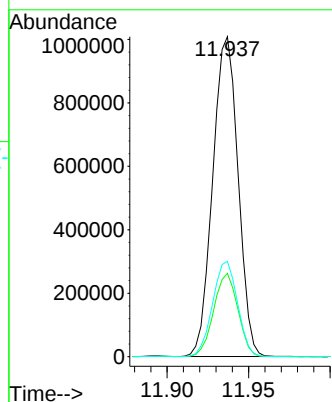
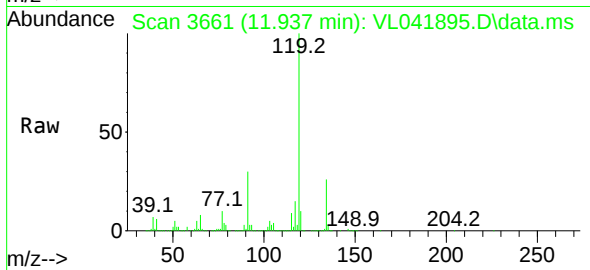




#69
 p-Isopropyltoluene
 Concen: 14.273 ppbv
 RT: 11.937 min Scan# 3661
 Delta R.T. 0.000 min
 Lab File: VL041895.D
 Acq: 14 Jan 2025 16:05

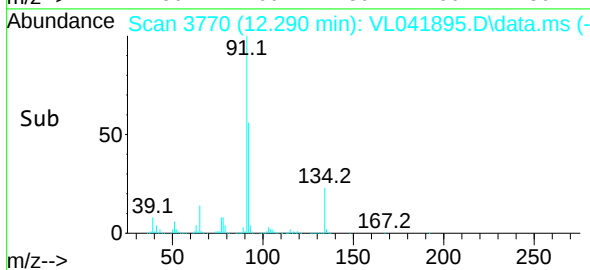
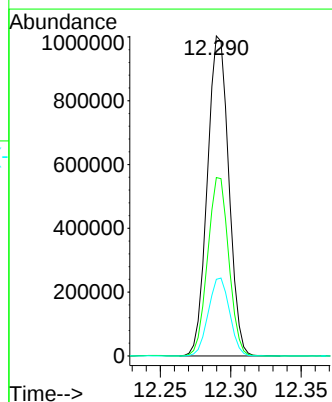
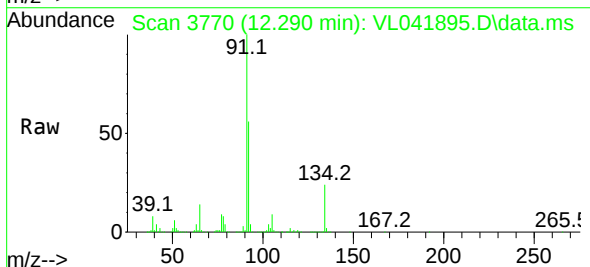
Instrument :
 MSVOA_L
 ClientSampleId :

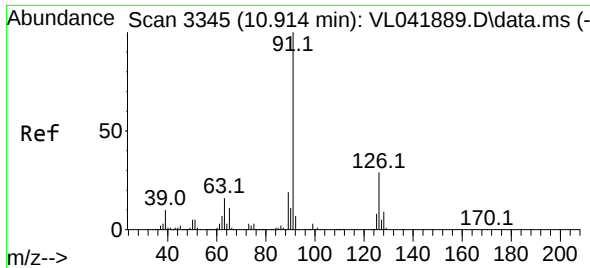
Tgt Ion:119 Resp: 1089109
 Ion Ratio Lower Upper
 119 100
 134 25.1 19.8 29.6
 91 29.5 23.0 34.4



#70
 n-Butylbenzene
 Concen: 13.994 ppbv
 RT: 12.290 min Scan# 3770
 Delta R.T. -0.003 min
 Lab File: VL041895.D
 Acq: 14 Jan 2025 16:05

Tgt Ion: 91 Resp: 1059002
 Ion Ratio Lower Upper
 91 100
 92 55.3 43.8 65.6
 134 24.2 19.0 28.6

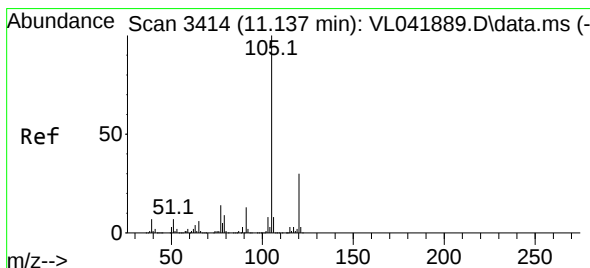
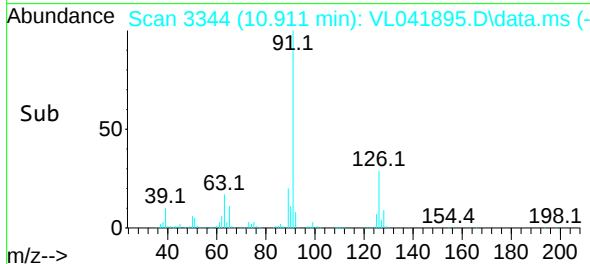
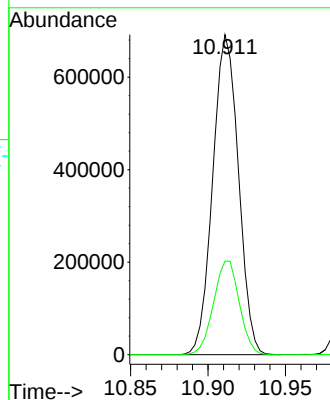
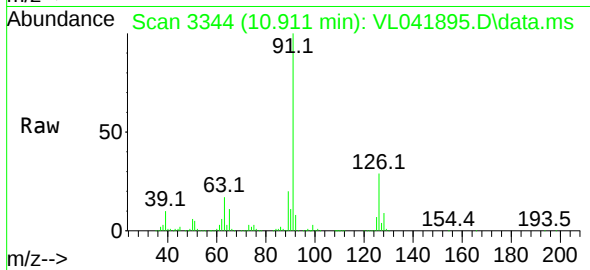




#71
2-Chlorotoluene
Concen: 14.601 ppbv
RT: 10.911 min Scan# 311
Delta R.T. -0.003 min
Lab File: VL041895.D
Acq: 14 Jan 2025 16:05

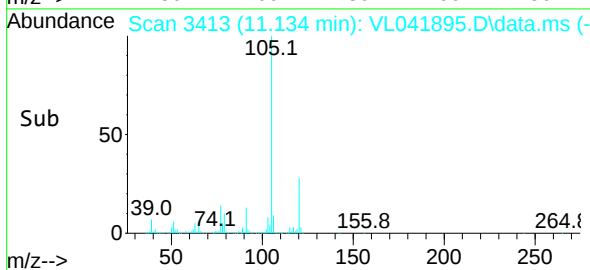
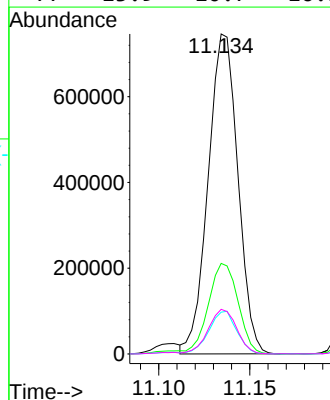
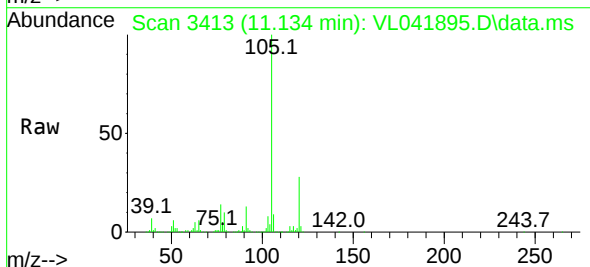
Instrument :
MSVOA_L
ClientSampleId :

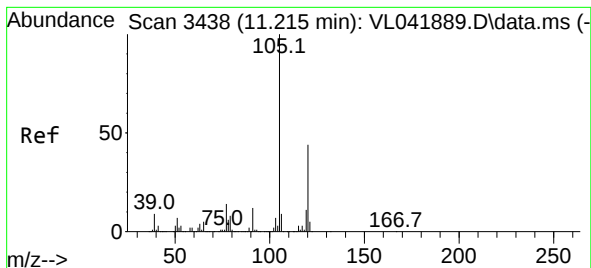
Tgt Ion: 91 Resp: 797555
Ion Ratio Lower Upper
91 100
126 29.4 11.7 46.7



#72
4-Ethyltoluene
Concen: 14.846 ppbv
RT: 11.134 min Scan# 3413
Delta R.T. -0.003 min
Lab File: VL041895.D
Acq: 14 Jan 2025 16:05

Tgt Ion:105 Resp: 847451
Ion Ratio Lower Upper
105 100
120 29.2 23.7 35.5
91 13.1 10.2 15.2
77 13.9 10.7 16.1





#73

1,3,5-Trimethylbenzene

Concen: 14.556 ppbv

RT: 11.215 min Scan# 3438

Delta R.T. 0.000 min

Lab File: VL041895.D

Acq: 14 Jan 2025 16:05

Instrument :

MSVOA_L

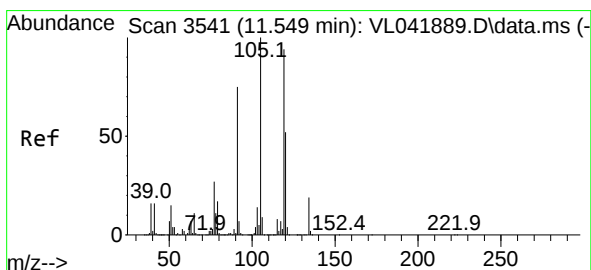
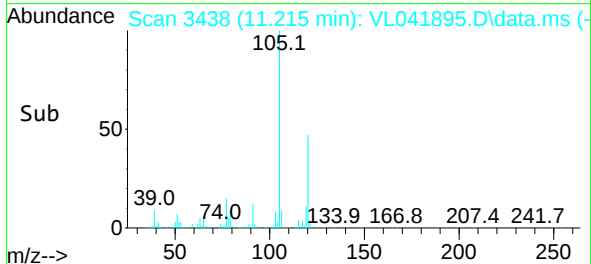
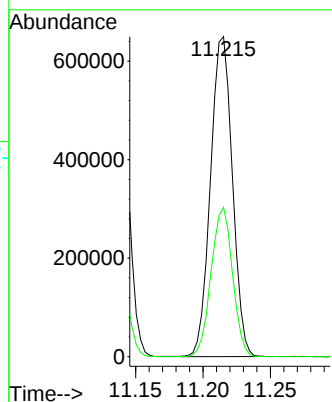
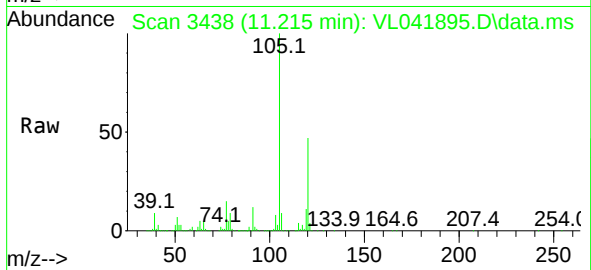
ClientSampleId :

Tgt Ion:105 Resp: 733759

Ion Ratio Lower Upper

105 100

120 46.6 35.4 53.2



#74

1,2,4-Trimethylbenzene

Concen: 14.170 ppbv

RT: 11.549 min Scan# 3541

Delta R.T. 0.000 min

Lab File: VL041895.D

Acq: 14 Jan 2025 16:05

Tgt Ion:105 Resp: 773569

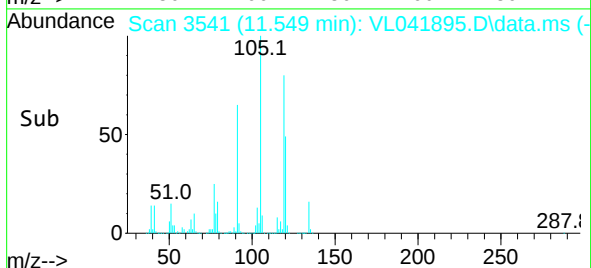
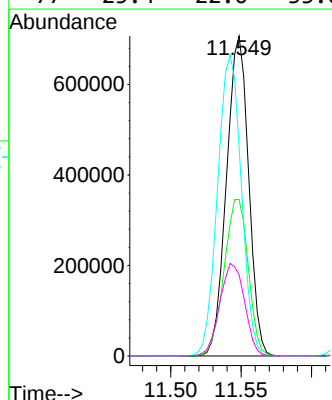
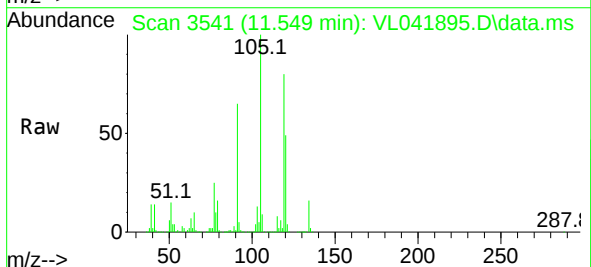
Ion Ratio Lower Upper

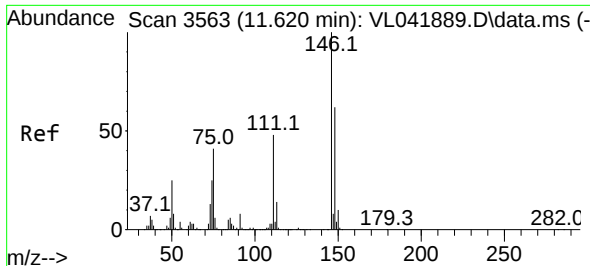
105 100

120 48.9 41.4 62.2

91 65.3 60.2 90.2

77 25.4 22.0 33.0

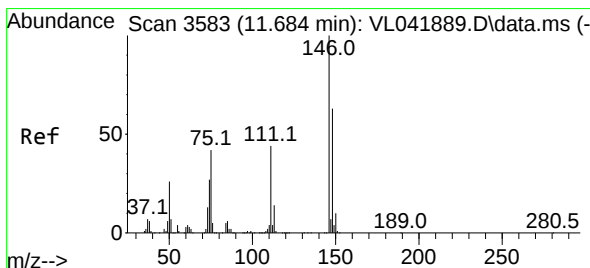
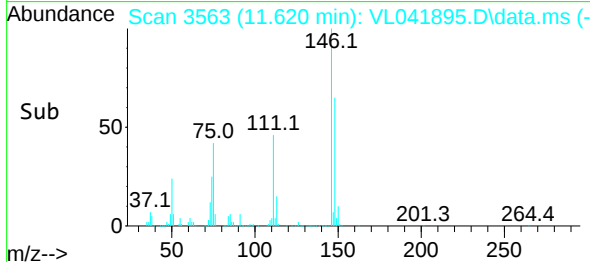
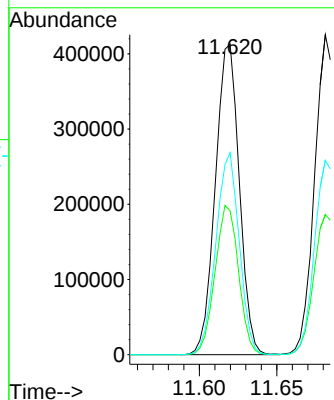
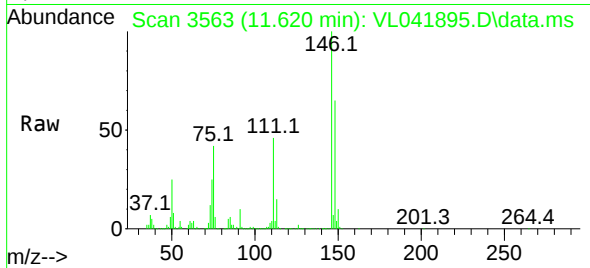




#75
1,3-Dichlorobenzene
Concen: 13.720 ppbv
RT: 11.620 min Scan# 3563
Delta R.T. 0.000 min
Lab File: VL041895.D
Acq: 14 Jan 2025 16:05

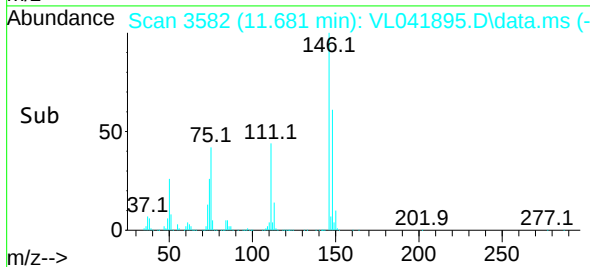
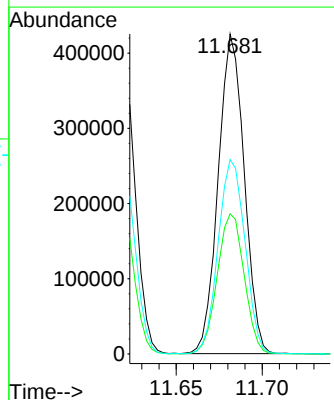
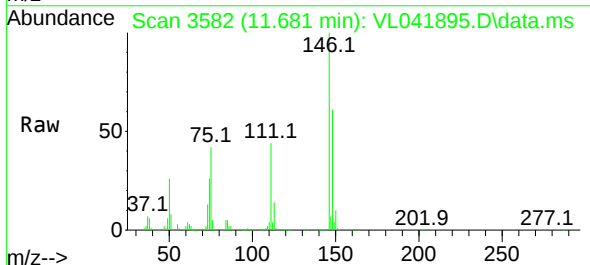
Instrument :
MSVOA_L
ClientSampleId :

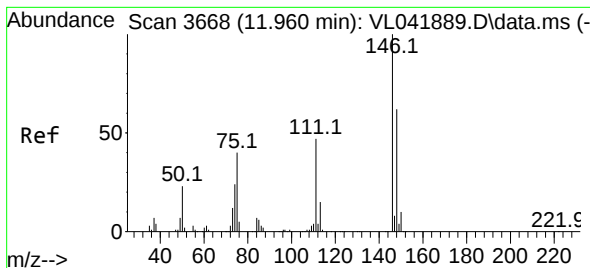
Tgt Ion:146 Resp: 443828
Ion Ratio Lower Upper
146 100
111 47.1 23.6 70.8
148 63.4 31.4 94.0



#76
1,4-Dichlorobenzene
Concen: 14.129 ppbv
RT: 11.681 min Scan# 3582
Delta R.T. -0.003 min
Lab File: VL041895.D
Acq: 14 Jan 2025 16:05

Tgt Ion:146 Resp: 447164
Ion Ratio Lower Upper
146 100
111 45.5 22.4 67.0
148 63.2 31.9 95.5





#77

1,2-Dichlorobenzene

Concen: 13.385 ppbv

RT: 11.956 min Scan# 3667

Delta R.T. -0.003 min

Lab File: VL041895.D

Acq: 14 Jan 2025 16:05

Instrument :

MSVOA_L

ClientSampleId :

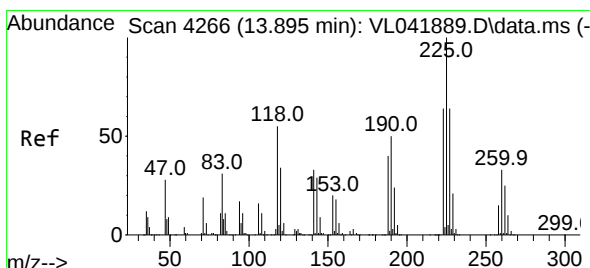
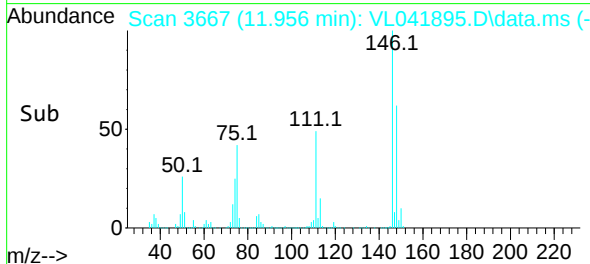
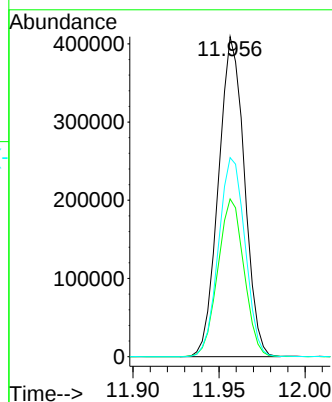
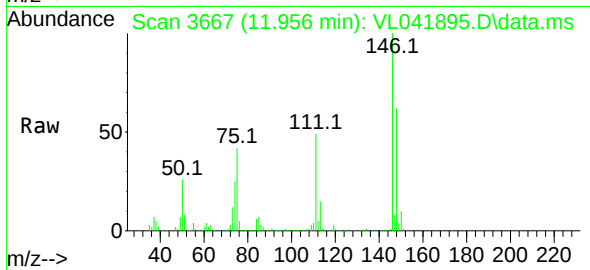
Tgt Ion:146 Resp: 429118

Ion Ratio Lower Upper

146 100

111 49.8 24.2 72.6

148 63.8 31.7 95.1



#78

Hexachloro-1,3-Butadiene

Concen: 12.731 ppbv

RT: 13.892 min Scan# 4265

Delta R.T. -0.003 min

Lab File: VL041895.D

Acq: 14 Jan 2025 16:05

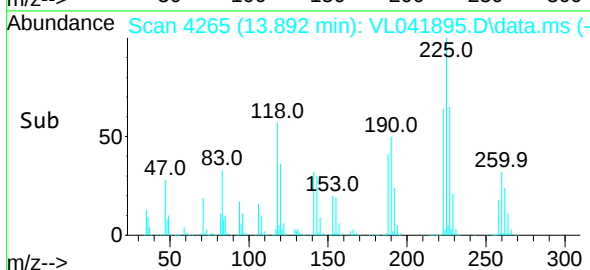
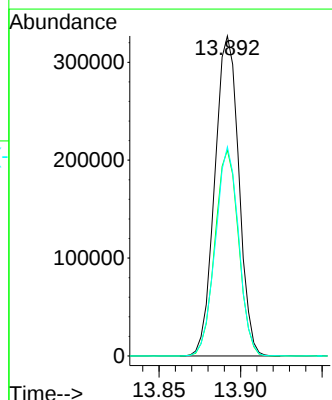
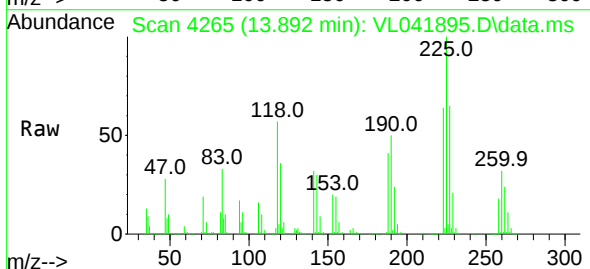
Tgt Ion:225 Resp: 335016

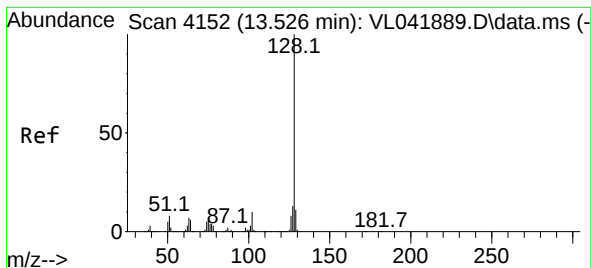
Ion Ratio Lower Upper

225 100

223 63.1 50.8 76.2

227 63.3 50.3 75.5





#79

Naphthalene

Concen: 13.183 ppbv

RT: 13.523 min Scan# 4152

Delta R.T. -0.003 min

Lab File: VL041895.D

Acq: 14 Jan 2025 16:05

Instrument :

MSVOA_L

ClientSampleId :

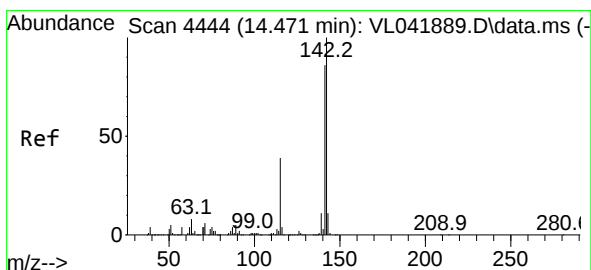
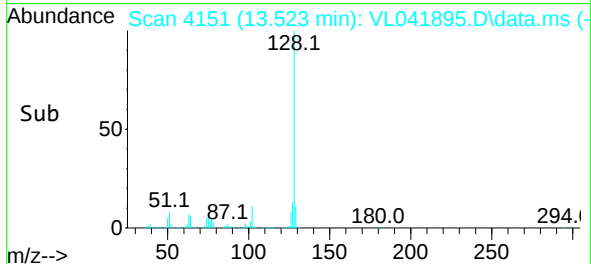
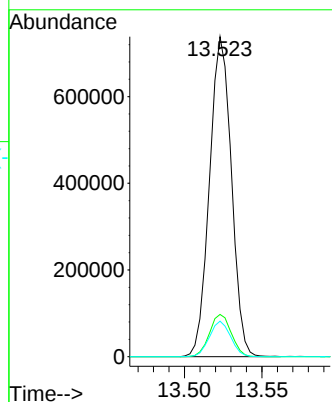
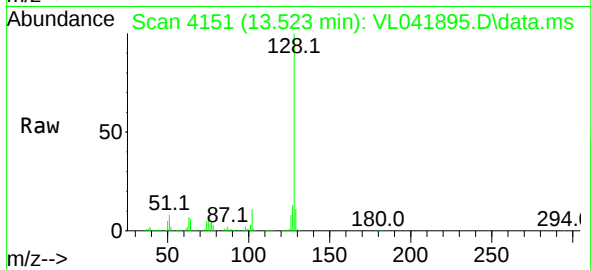
Tgt Ion:128 Resp: 724573

Ion Ratio Lower Upper

128 100

127 13.2 10.2 15.4

129 11.1 9.1 13.7



#80

Naphthalene,2-methyl-

Concen: 10.704 ppbv

RT: 14.468 min Scan# 4443

Delta R.T. -0.003 min

Lab File: VL041895.D

Acq: 14 Jan 2025 16:05

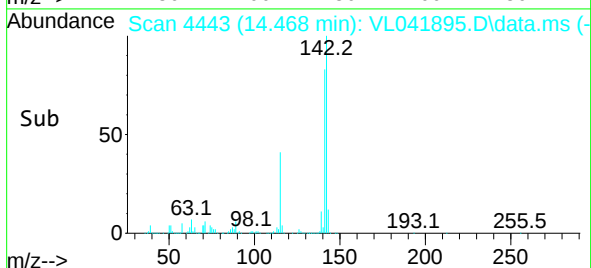
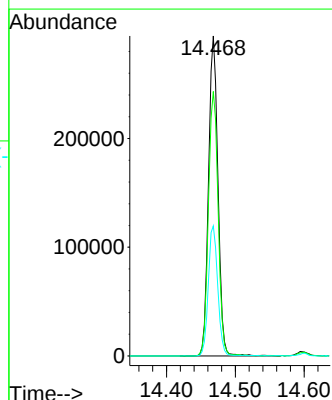
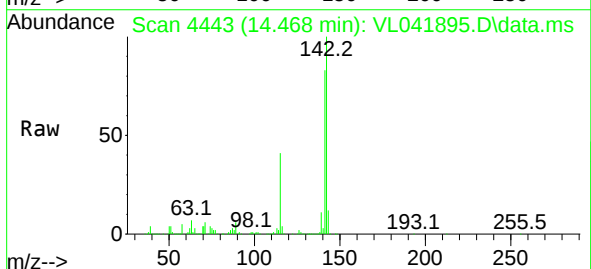
Tgt Ion:142 Resp: 278955

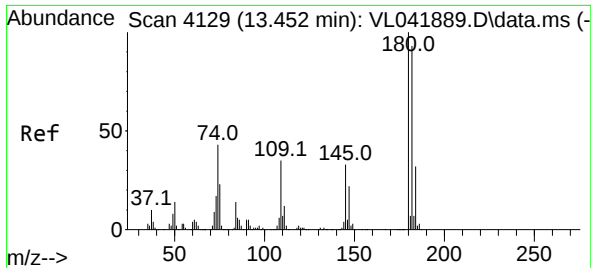
Ion Ratio Lower Upper

142 100

141 85.0 68.1 102.1

115 40.8 31.7 47.5





#81

1,2,4-Trichlorobenzene

Concen: 12.784 ppbv

RT: 13.452 min Scan# 41

Delta R.T. 0.000 min

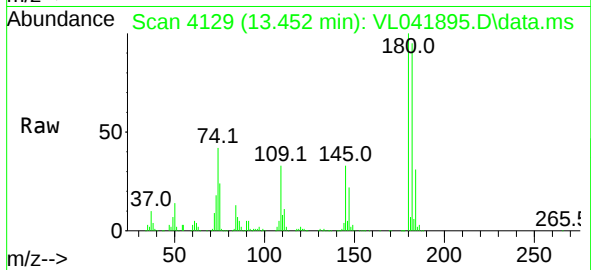
Lab File: VL041895.D

Acq: 14 Jan 2025 16:05

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion:180 Resp: 342977

Ion Ratio Lower Upper

180 100

182 93.7 77.0 115.6

184 30.2 24.9 37.3

