

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL073125\
 Data File : VL042788.D
 Acq On : 31 Jul 2025 08:37
 Operator : SY/MD
 Sample : VSTDC0010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDC0010

Quant Time: Aug 01 01:12:06 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Jul 24 05:24:41 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.794	49	139439	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.968	114	391811	10.000	ppbv	0.01
55) Chlorobenzene-d5	8.891	117	345903	10.000	ppbv	0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.387	95	282020	10.295	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.000%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	175602	9.525	ppbv	99
3) Chlorodifluoromethane	1.479	51	245813	10.235	ppbv	98
4) Chloromethane	1.534	50	69667	9.341	ppbv	96
5) Vinyl Chloride	1.583	62	64707	8.781	ppbv	94
6) Bromomethane	1.670	94	28024	9.837	ppbv	96
7) Chloroethane	1.706	64	26081	9.160	ppbv	97
8) Dichlorotetrafluoroethane	1.557	85	145116	9.571	ppbv	98
9) Propene	1.486	41	94980	10.882	ppbv	100
10) Heptane	4.991	43	257717	10.950	ppbv	96
11) Trichlorofluoromethane	1.881	101	173476	9.128	ppbv	97
12) 1,1,2-Trichlorotrifluo...	2.143	101	138636	9.600	ppbv	97
13) Ethanol	1.725	45	7183	10.150	ppbv	95
14) Bromoethene	1.784	108	49283	9.639	ppbv	98
15) Acetone	1.839	43	152576	7.924	ppbv	100
16) 1,3-Butadiene	1.612	39	77405	9.425	ppbv	99
17) tert-Butyl alcohol	2.043	59	160407	9.237	ppbv	99
18) 1,1-Dichloroethene	2.039	96	60001	9.195	ppbv	92
19) Isopropyl Alcohol	1.891	45	94435	9.229	ppbv	95
20) Methylene Chloride	2.065	84	51973	8.566	ppbv	95
21) Allyl Chloride	2.101	41	117837	9.930	ppbv	97
22) trans-1,2-Dichloroethene	2.344	96	67488	9.614	ppbv	95
23) Vinyl Acetate	2.467	43	285868	12.247	ppbv	99
24) 1,1-Dichloroethane	2.415	63	136815	9.496	ppbv	100
25) Ethyl Acetate	2.842	43	456109	10.702	ppbv	100
26) Hexane	2.832	57	194417	10.399	ppbv	98
27) Carbon Disulfide	2.156	76	165760	10.356	ppbv	96
28) Methyl tert-Butyl Ether	2.447	73	88166	9.982	ppbv	98
29) Chloroform	2.855	83	301928	10.451	ppbv	95
30) Cyclohexane	3.865	84	164864	10.398	ppbv	96
31) cis-1,2-Dichloroethene	2.726	61	196928	10.250	ppbv	98
32) 1,1,1-Trichloroethane	3.376	97	296432	9.850	ppbv	100
34) 2-Butanone	2.561	43	297678	10.726	ppbv	98
35) Carbon Tetrachloride	3.771	117	310581	10.672	ppbv	98
36) Benzene	3.664	78	391679	10.548	ppbv	99
37) 1,2-Dichloroethane	3.227	62	236929	10.592	ppbv	99
38) Trichloroethene	4.561	130	178226	9.991	ppbv	97
39) 1,2-Dichloropropane	4.324	63	143986	10.505	ppbv	95
40) 1,4-Dioxane	4.596	88	64201	10.049	ppbv #	94
41) Tetrahydrofuran	3.059	42	161670	11.447	ppbv	97
42) Bromodichloromethane	4.499	83	324091	11.125	ppbv	100
43) Methyl Methacrylate	4.891	69	150704	11.418	ppbv	98
44) 2,2,4-Trimethylpentane	4.651	57	674333	11.142	ppbv	100
45) t-1,3-Dichloropropene	6.428	75	168632	11.393	ppbv	91

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL073125\
 Data File : VL042788.D
 Acq On : 31 Jul 2025 08:37
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

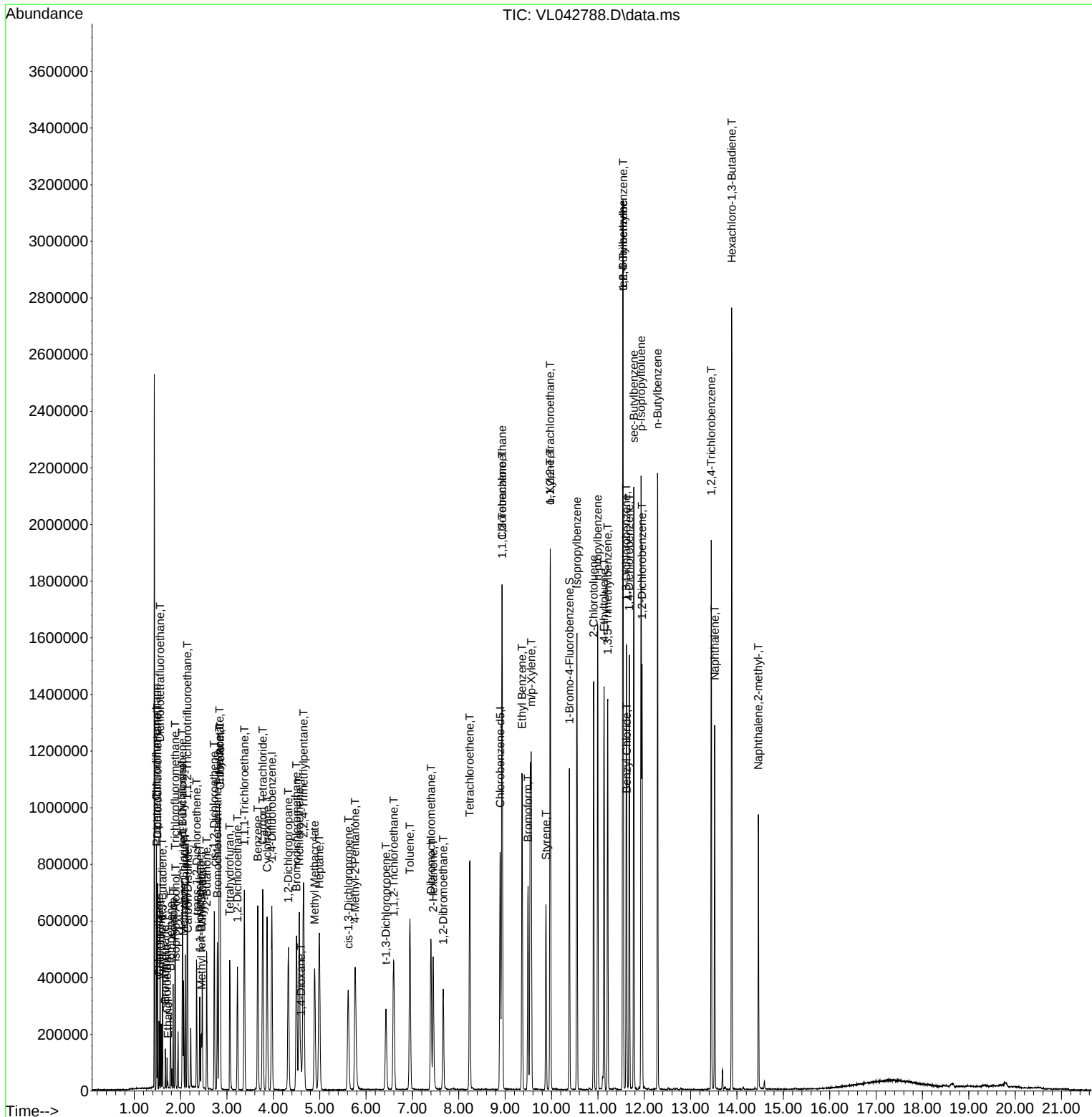
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 ClientSampleId :
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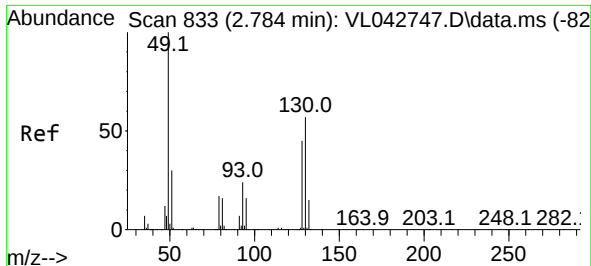
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 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Jul 24 05:24:41 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.619	75	217364	11.589	ppbv	94
47) 1,1,2-Trichloroethane	6.597	97	155145	10.618	ppbv	97
48) Dibromochloromethane	7.399	129	263177	11.346	ppbv	98
49) Bromoform	9.493	173	233626	11.551	ppbv	98
50) 4-Methyl-2-Pentanone	5.765	43	396864	11.101	ppbv	100
51) 2-Hexanone	7.448	43	318210	11.778	ppbv #	99
52) Tetrachloroethene	8.234	164	143437	9.319	ppbv	98
53) Toluene	6.946	91	440370	11.044	ppbv	99
54) 1,2-Dibromoethane	7.665	107	228691	11.078	ppbv	99
56) 1,1,1,2-Tetrachloroethane	8.937	131	196819	10.944	ppbv	99
57) Chlorobenzene	8.933	112	349998	10.455	ppbv #	95
58) Ethyl Benzene	9.364	91	615736	11.272	ppbv	99
59) m/p-Xylene	9.561	91	478347	10.957	ppbv #	24
60) o-Xylene	9.972	91	497901	11.414	ppbv	99
61) Styrene	9.882	104	215469	11.742	ppbv	99
62) Isopropylbenzene	10.549	105	716277	11.132	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.972	83	291626	10.413	ppbv	99
64) n-propylbenzene	10.998	120	193965	11.563	ppbv	98
65) tert-Butylbenzene	11.539	119	641028	11.215	ppbv	99
66) Benzyl Chloride	11.623	91	65004	13.854	ppbv	98
67) sec-Butylbenzene	11.775	105	905933	11.144	ppbv	100
69) p-Isopropyltoluene	11.931	119	763427	11.517	ppbv	99
70) n-Butylbenzene	12.287	91	779301	12.171	ppbv	99
71) 2-Chlorotoluene	10.908	91	552725	11.203	ppbv	100
72) 4-Ethyltoluene	11.134	105	611893	11.745	ppbv	99
73) 1,3,5-Trimethylbenzene	11.212	105	505734	11.791	ppbv	99
74) 1,2,4-Trimethylbenzene	11.545	105	562952	12.030	ppbv	93
75) 1,3-Dichlorobenzene	11.613	146	362463	11.049	ppbv	100
76) 1,4-Dichlorobenzene	11.678	146	359833	11.209	ppbv	99
77) 1,2-Dichlorobenzene	11.953	146	348624	10.812	ppbv	98
78) Hexachloro-1,3-Butadiene	13.886	225	282288	9.673	ppbv	98
79) Naphthalene	13.520	128	561584	11.014	ppbv	100
80) Naphthalene,2-methyl-	14.462	142	249243	9.837	ppbv	99
81) 1,2,4-Trichlorobenzene	13.445	180	314832	10.987	ppbv	99

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

Quant Time: Aug 01 01:12:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
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QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration

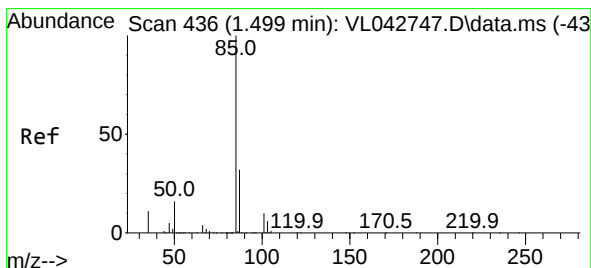
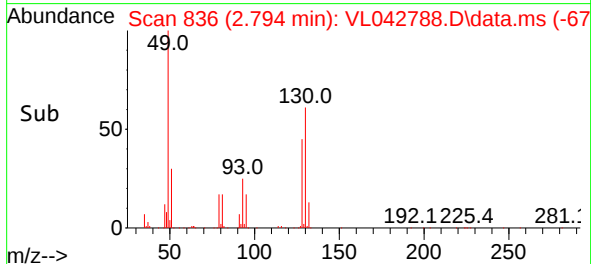
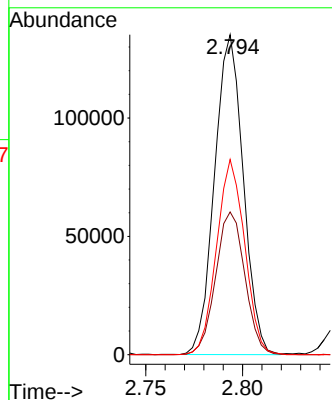
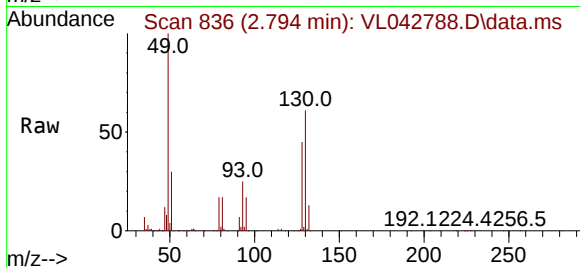




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.794 min Scan# 81
Delta R.T. 0.010 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

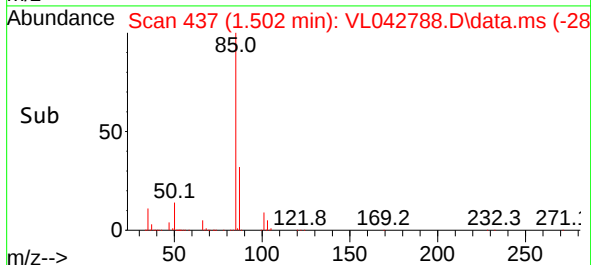
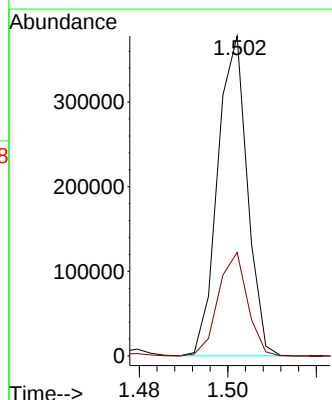
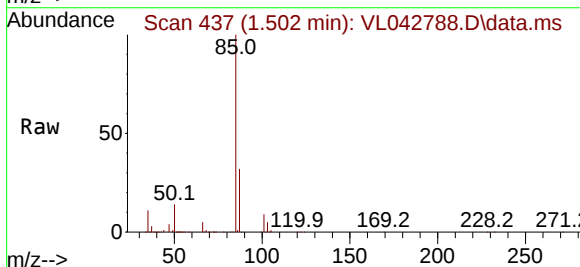
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 49 Resp: 139439
Ion Ratio Lower Upper
49 100
128 45.4 23.6 71.0
130 59.7 30.3 90.8



#2
Dichlorodifluoromethane
Concen: 9.525 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.003 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion: 85 Resp: 175602
Ion Ratio Lower Upper
85 100
87 32.3 25.4 38.2

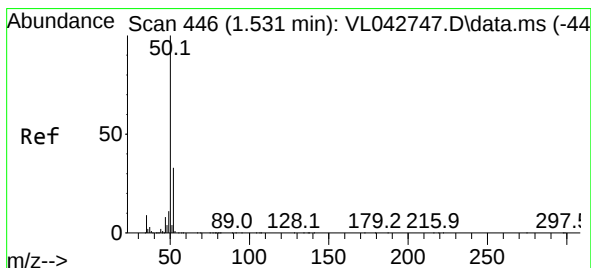
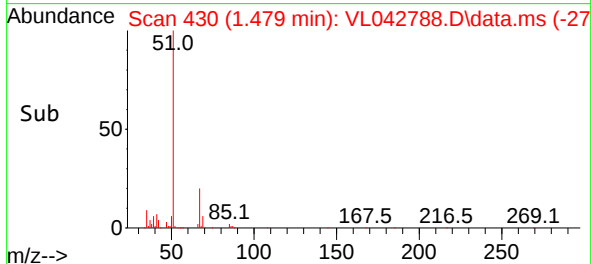
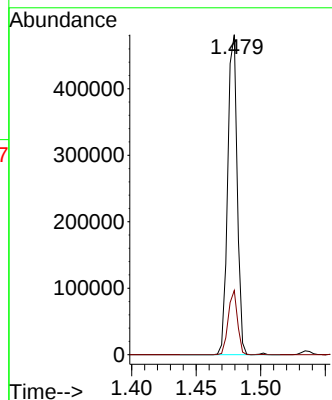
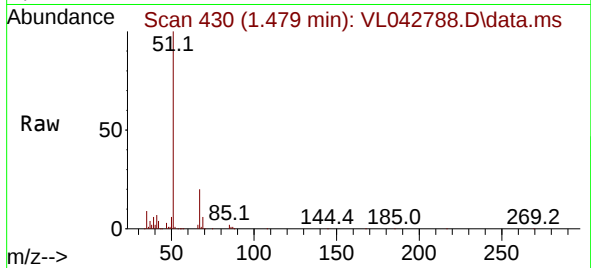




#3
Chlorodifluoromethane
Concen: 10.235 ppbv
RT: 1.479 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

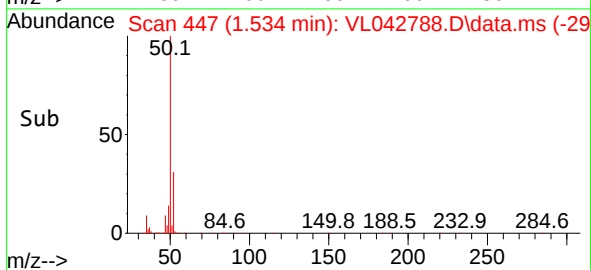
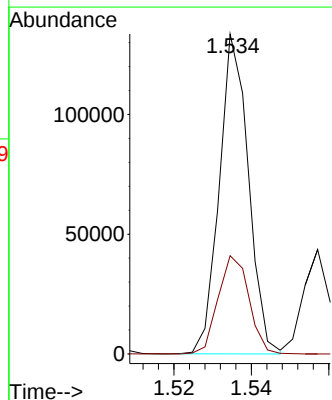
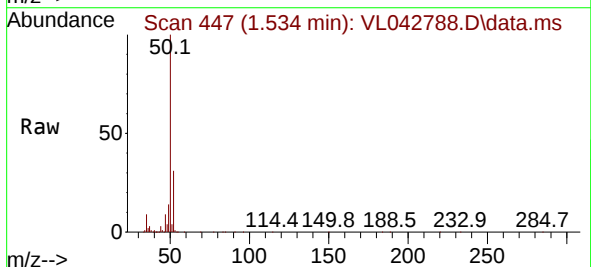
Instrument :
MSVOA_1
ClientSampleId :
VSTDCCC010

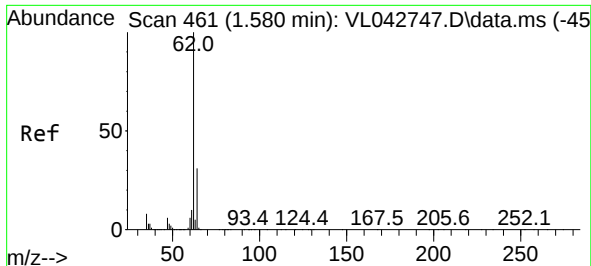
Tgt Ion: 51 Resp: 245813
Ion Ratio Lower Upper
51 100
67 19.5 15.0 22.6



#4
Chloromethane
Concen: 9.341 ppbv
RT: 1.534 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion: 50 Resp: 69667
Ion Ratio Lower Upper
50 100
52 30.8 26.6 40.0

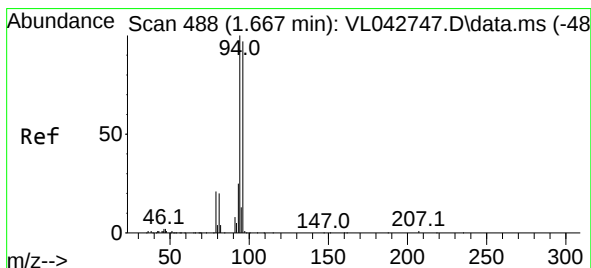
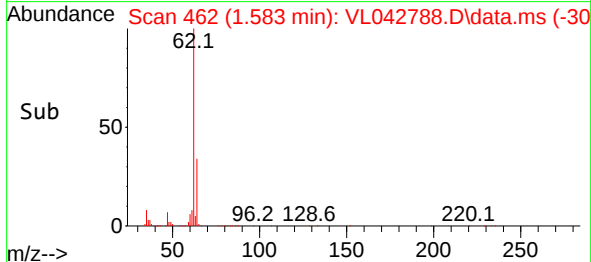
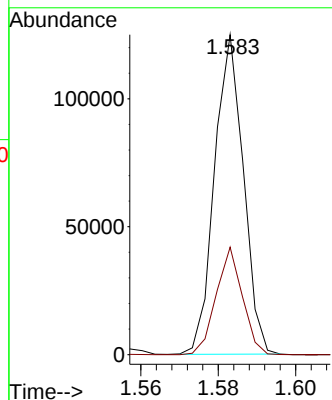
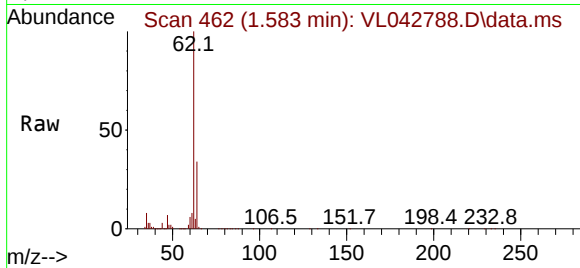




#5
 Vinyl Chloride
 Concen: 8.781 ppbv
 RT: 1.583 min Scan# 462
 Delta R.T. 0.003 min
 Lab File: VL042788.D
 Acq: 31 Jul 2025 08:37

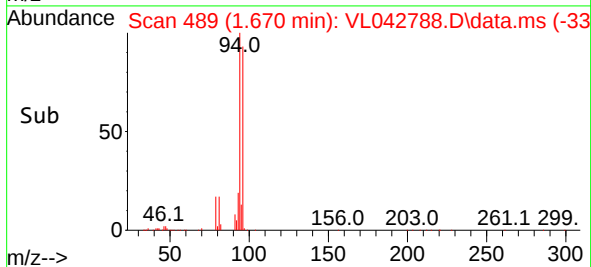
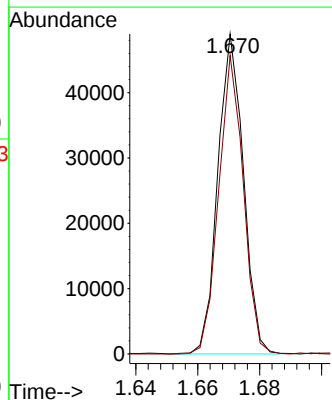
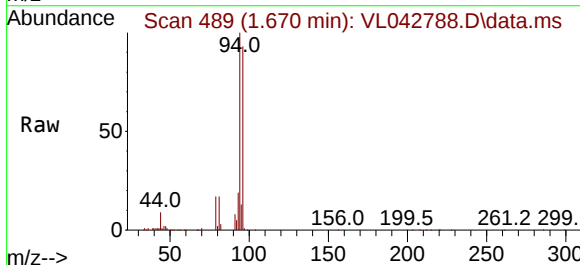
Instrument :
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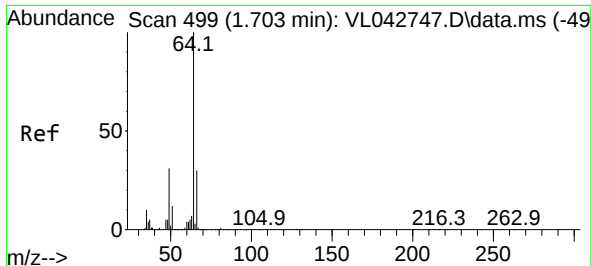
Tgt Ion: 62 Resp: 64707
 Ion Ratio Lower Upper
 62 100
 64 33.7 24.5 36.7



#6
 Bromomethane
 Concen: 9.837 ppbv
 RT: 1.670 min Scan# 489
 Delta R.T. 0.003 min
 Lab File: VL042788.D
 Acq: 31 Jul 2025 08:37

Tgt Ion: 94 Resp: 28024
 Ion Ratio Lower Upper
 94 100
 96 93.2 77.6 116.4

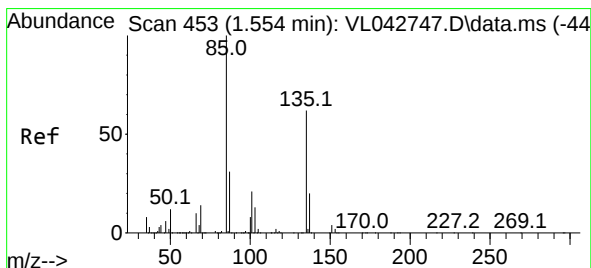
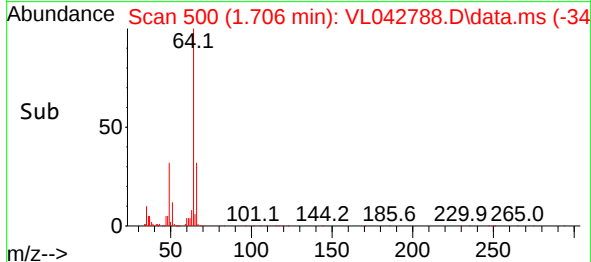
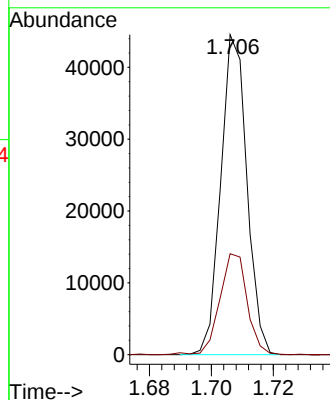
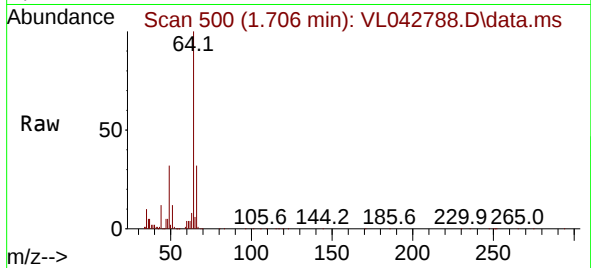




#7
Chloroethane
Concen: 9.160 ppbv
RT: 1.706 min Scan# 50
Delta R.T. 0.003 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

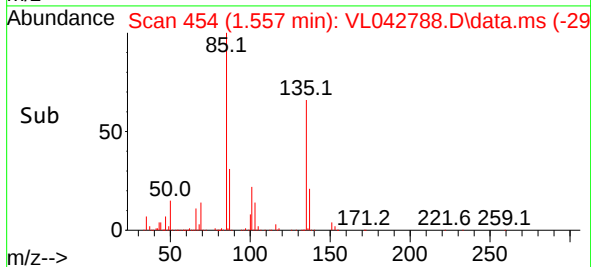
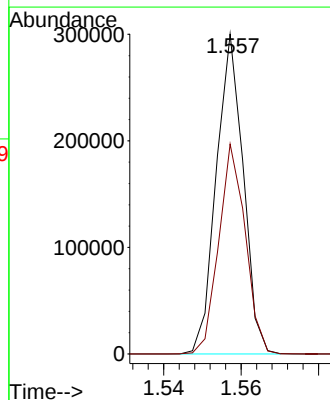
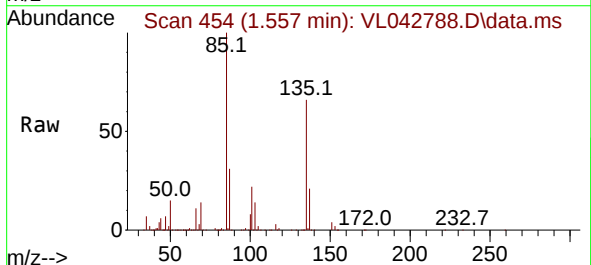
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ClientSampleId :
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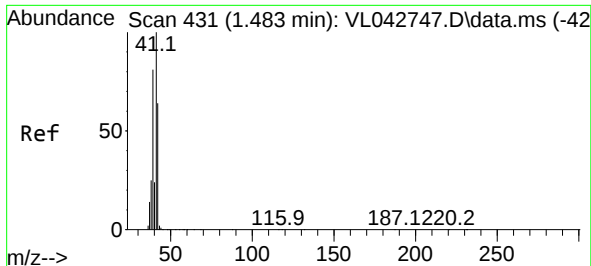
Tgt Ion: 64 Resp: 26081
Ion Ratio Lower Upper
64 100
66 31.5 24.1 36.1



#8
Dichlorotetrafluoroethane
Concen: 9.571 ppbv
RT: 1.557 min Scan# 454
Delta R.T. 0.003 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion: 85 Resp: 145116
Ion Ratio Lower Upper
85 100
135 64.7 50.6 76.0





#9

Propene

Concen: 10.882 ppbv

RT: 1.486 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL042788.D

Acq: 31 Jul 2025 08:37

Instrument :

MSVOA_L

ClientSampleId :

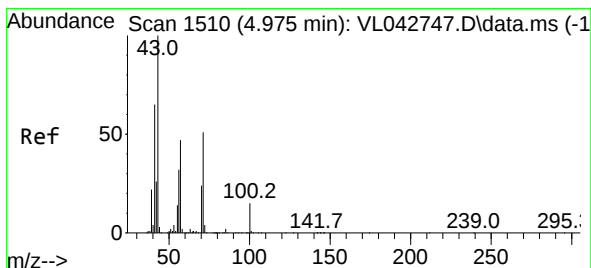
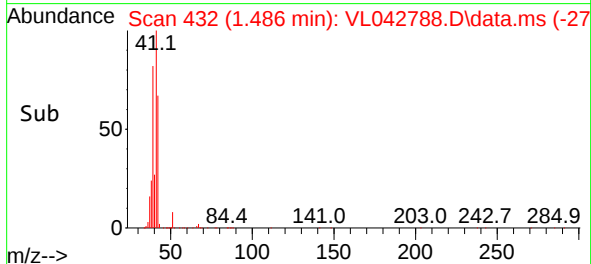
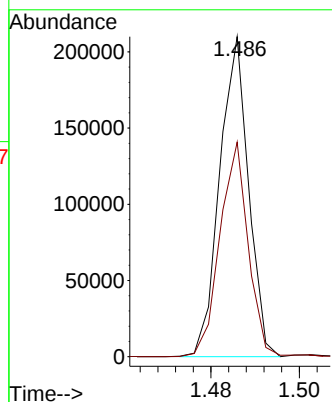
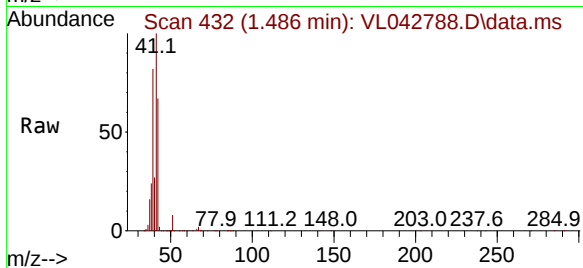
VSTDCCC010

Tgt Ion: 41 Resp: 94980

Ion Ratio Lower Upper

41 100

42 66.3 53.2 79.8



#10

Heptane

Concen: 10.950 ppbv

RT: 4.991 min Scan# 1515

Delta R.T. 0.016 min

Lab File: VL042788.D

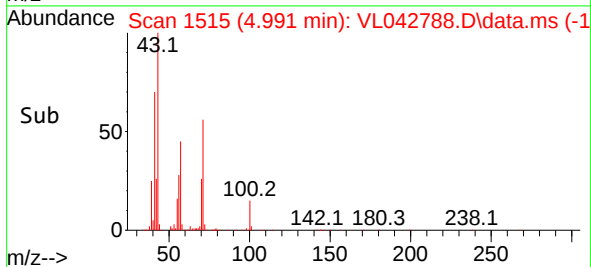
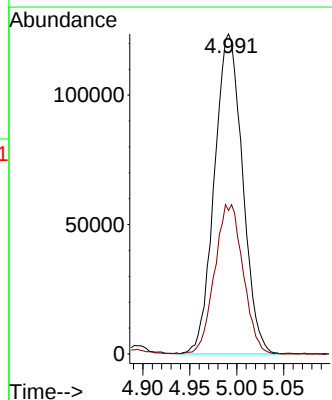
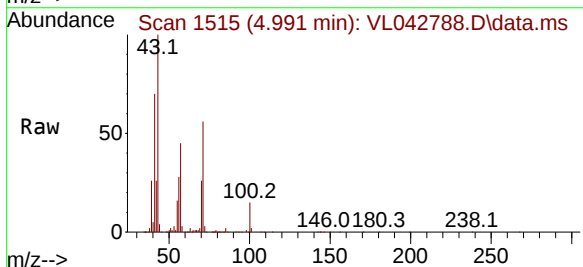
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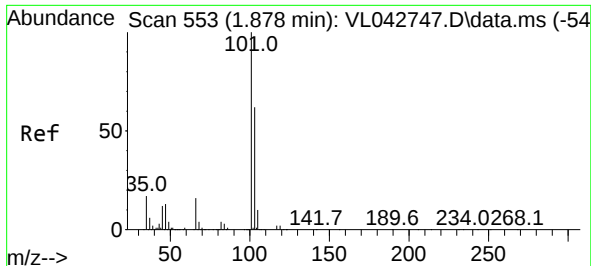
Tgt Ion: 43 Resp: 257717

Ion Ratio Lower Upper

43 100

57 47.3 39.9 59.9

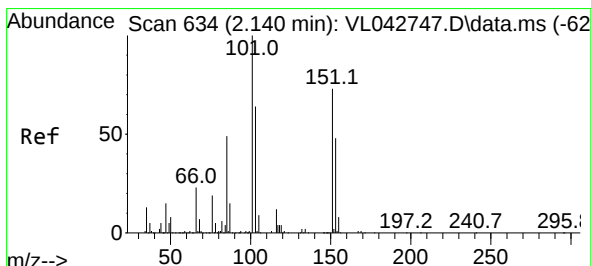
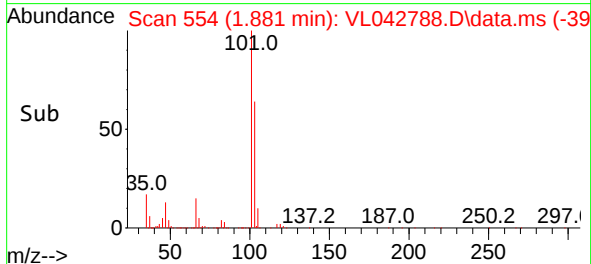
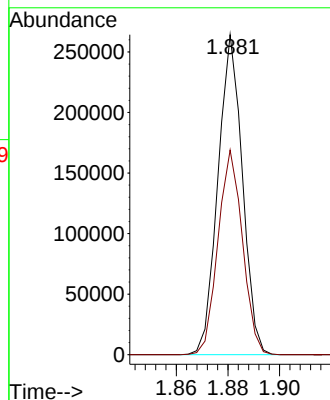
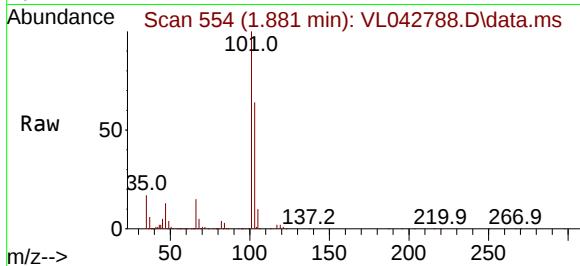




#11
Trichlorofluoromethane
Concen: 9.128 ppbv
RT: 1.881 min Scan# 511
Delta R.T. 0.003 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

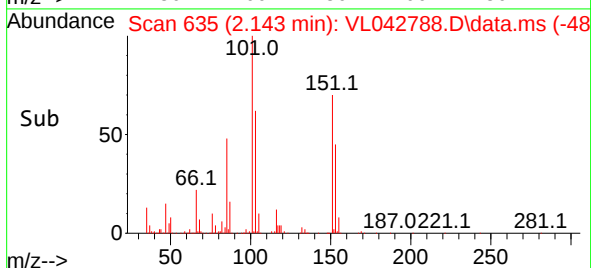
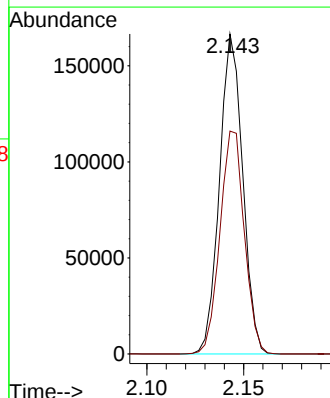
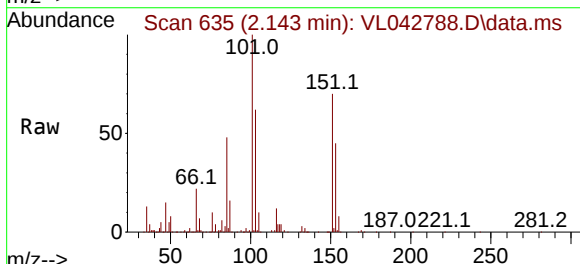
Instrument :
MSVOA_1
ClientSampleId :
VSTDCCC010

Tgt Ion:101 Resp: 173476
Ion Ratio Lower Upper
101 100
103 63.9 49.6 74.4



#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.600 ppbv
RT: 2.143 min Scan# 635
Delta R.T. 0.003 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion:101 Resp: 138636
Ion Ratio Lower Upper
101 100
151 73.2 60.5 90.7

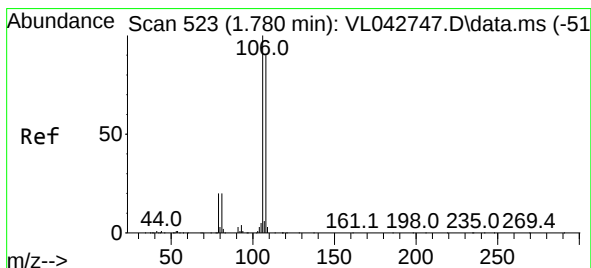
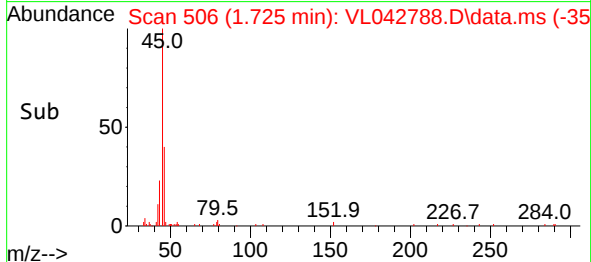
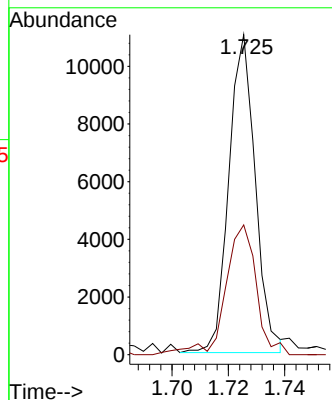
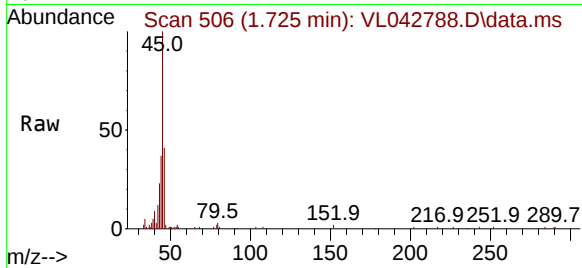




#13
 Ethanol
 Concen: 10.150 ppbv
 RT: 1.725 min Scan# 504
 Delta R.T. 0.007 min
 Lab File: VL042788.D
 Acq: 31 Jul 2025 08:37

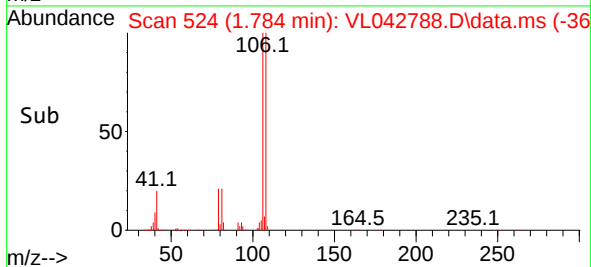
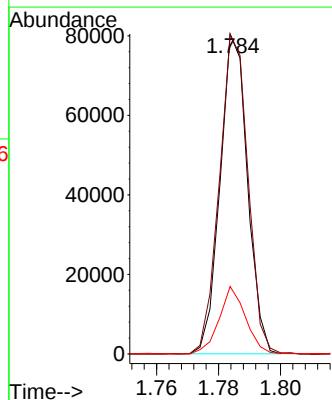
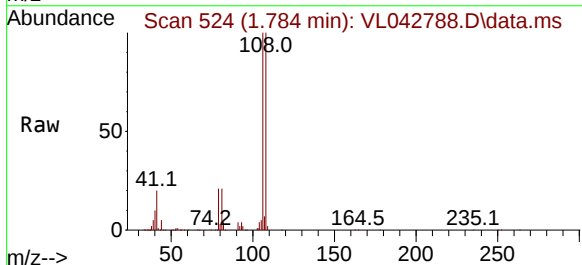
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

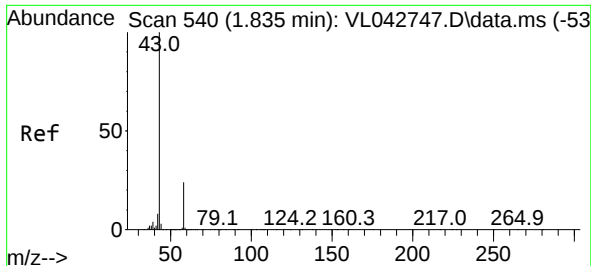
Tgt Ion: 45 Resp: 7183
 Ion Ratio Lower Upper
 45 100
 46 47.6 17.8 71.4



#14
 Bromoethene
 Concen: 9.639 ppbv
 RT: 1.784 min Scan# 524
 Delta R.T. 0.003 min
 Lab File: VL042788.D
 Acq: 31 Jul 2025 08:37

Tgt Ion: 108 Resp: 49283
 Ion Ratio Lower Upper
 108 100
 106 104.5 84.7 127.1
 79 20.7 17.4 26.2

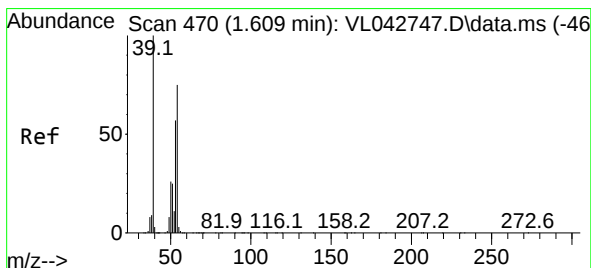
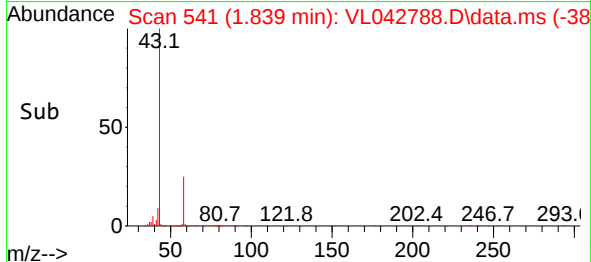
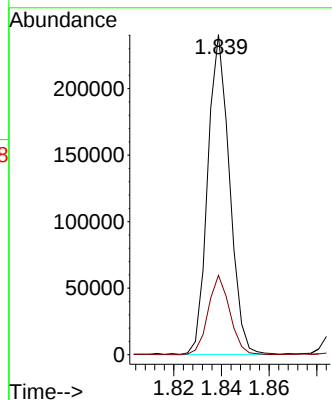
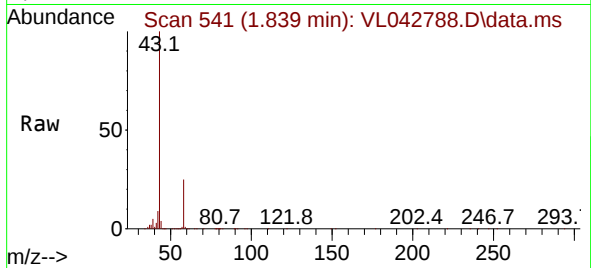




#15
Acetone
Concen: 7.924 ppbv
RT: 1.839 min Scan# 540
Delta R.T. 0.003 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

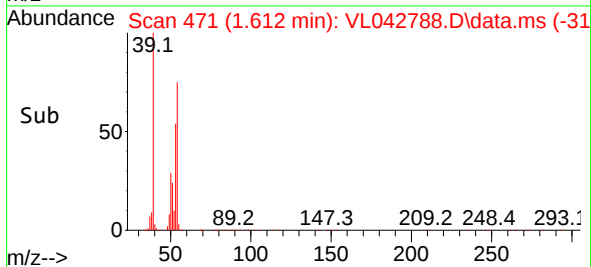
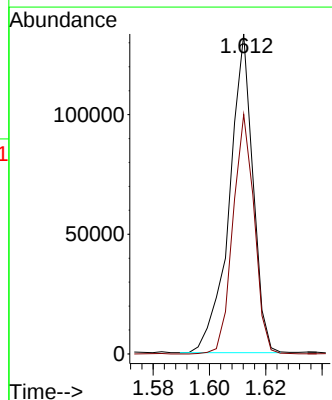
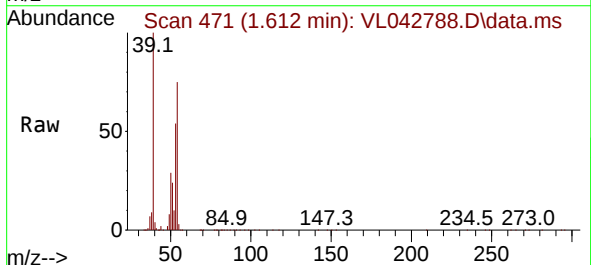
Instrument :
MSVOA_1
ClientSampleId :
VSTDCCC010

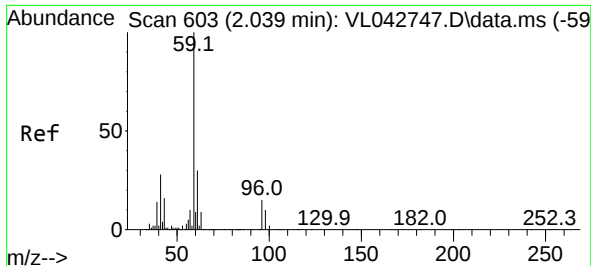
Tgt Ion: 43 Resp: 152576
Ion Ratio Lower Upper
43 100
58 24.9 19.8 29.8



#16
1,3-Butadiene
Concen: 9.425 ppbv
RT: 1.612 min Scan# 471
Delta R.T. 0.003 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion: 39 Resp: 77405
Ion Ratio Lower Upper
39 100
54 67.6 54.5 81.7





#17

tert-Butyl alcohol

Concen: 9.237 ppbv

RT: 2.043 min Scan# 603

Delta R.T. 0.003 min

Lab File: VL042788.D

Acq: 31 Jul 2025 08:37

Instrument :

MSVOA_L

ClientSampleId :

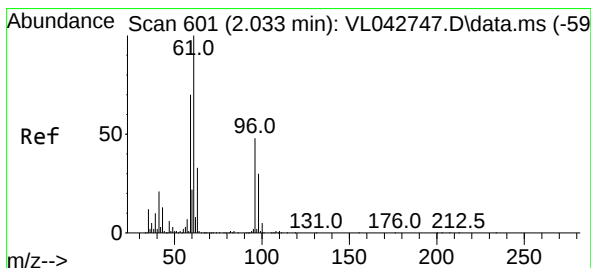
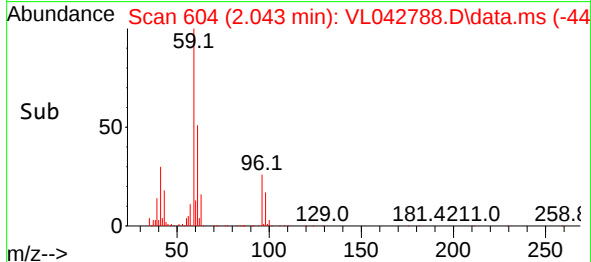
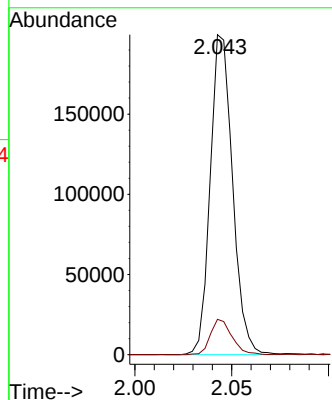
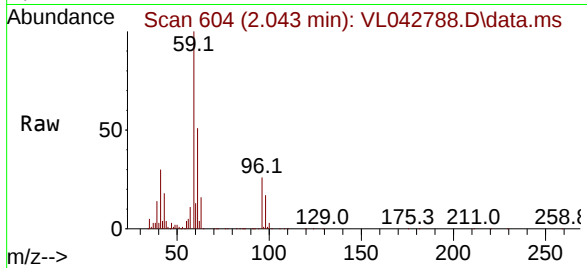
VSTDCCC010

Tgt Ion: 59 Resp: 160407

Ion Ratio Lower Upper

59 100

57 10.7 8.3 12.5



#18

1,1-Dichloroethene

Concen: 9.195 ppbv

RT: 2.039 min Scan# 603

Delta R.T. 0.006 min

Lab File: VL042788.D

Acq: 31 Jul 2025 08:37

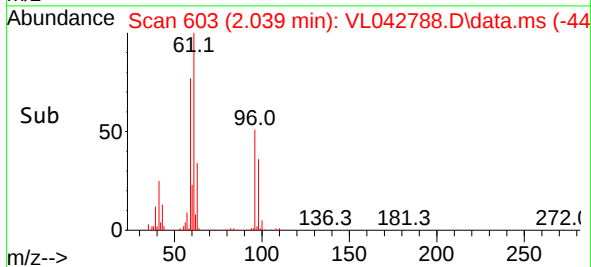
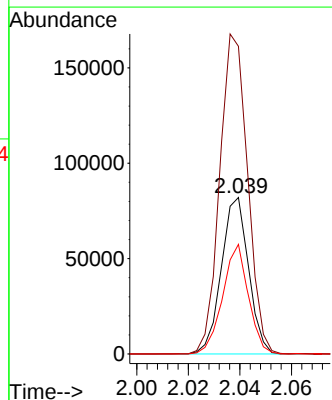
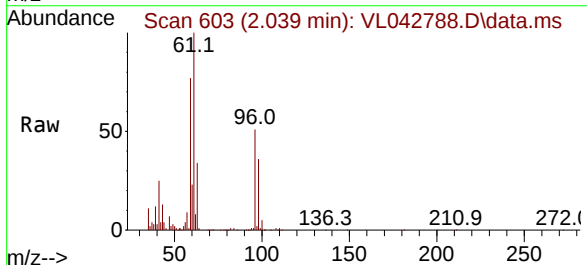
Tgt Ion: 96 Resp: 60001

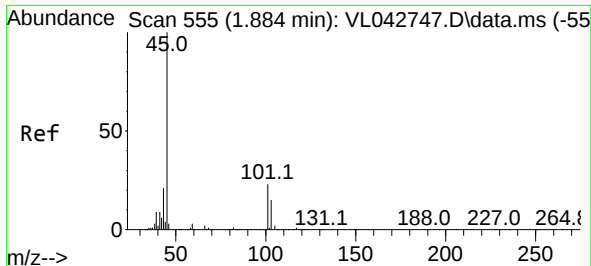
Ion Ratio Lower Upper

96 100

61 196.6 165.8 248.6

98 70.1 49.9 74.9





#19

Isopropyl Alcohol

Concen: 9.229 ppbv

RT: 1.891 min Scan# 511

Delta R.T. 0.006 min

Lab File: VL042788.D

Acq: 31 Jul 2025 08:37

Instrument :

MSVOA_L

ClientSampleId :

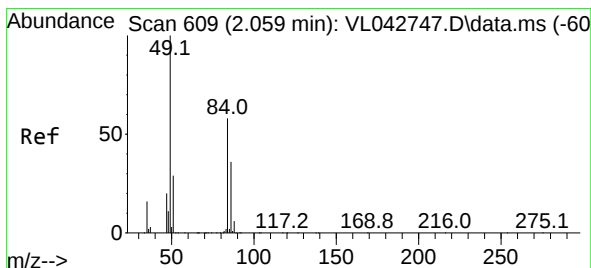
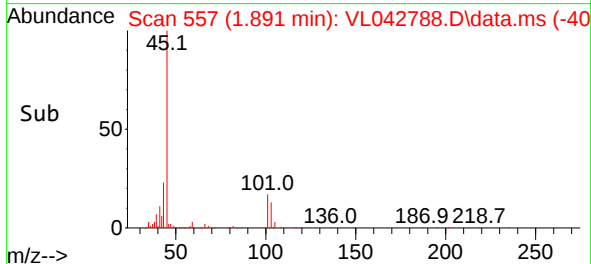
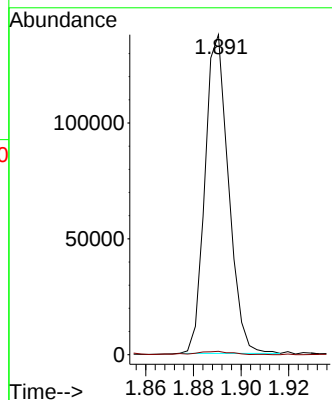
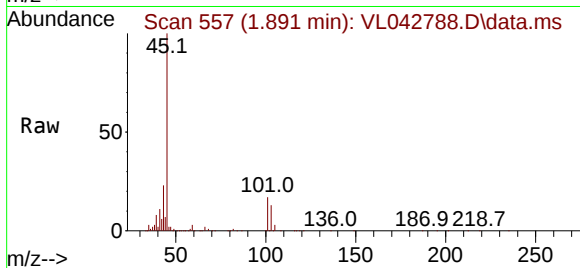
VSTDCCC010

Tgt Ion: 45 Resp: 94435

Ion Ratio Lower Upper

45 100

58 40.2 30.0 45.0



#20

Methylene Chloride

Concen: 8.566 ppbv

RT: 2.065 min Scan# 611

Delta R.T. 0.006 min

Lab File: VL042788.D

Acq: 31 Jul 2025 08:37

Tgt Ion: 84 Resp: 51973

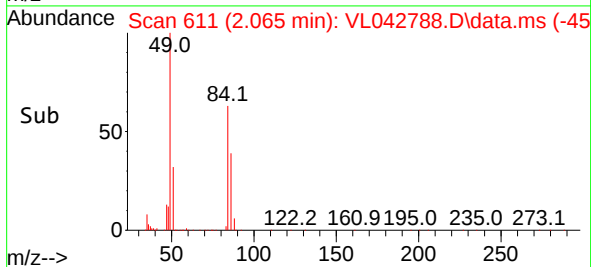
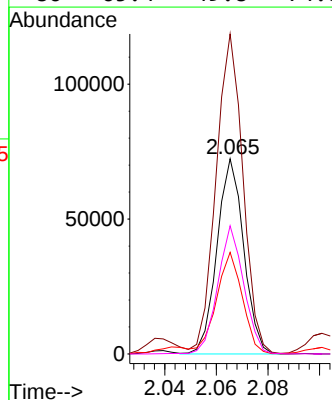
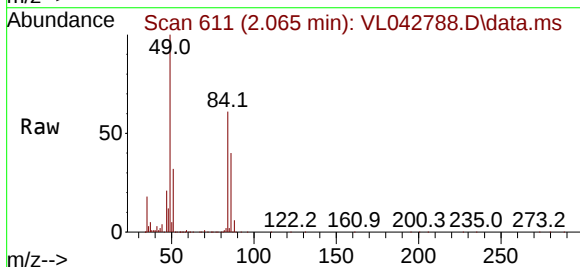
Ion Ratio Lower Upper

84 100

49 163.4 138.6 208.0

51 51.9 40.6 61.0

86 65.4 49.8 74.8

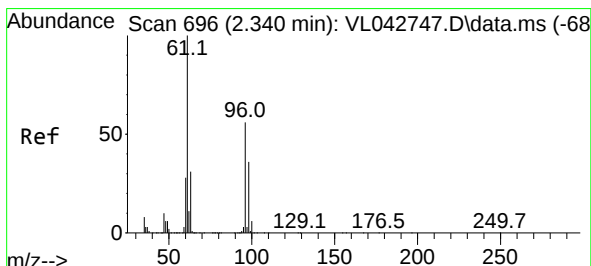
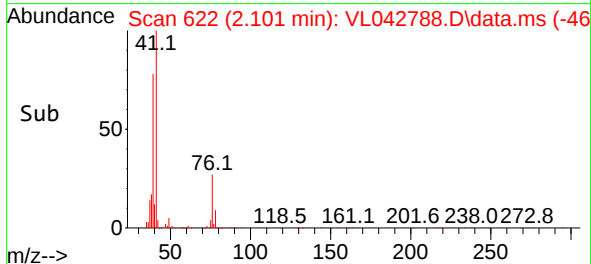
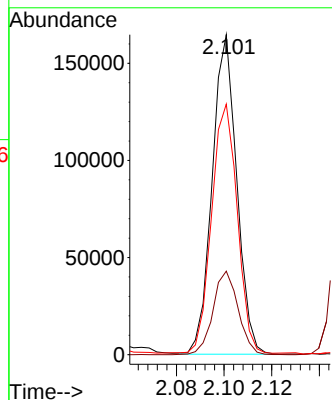
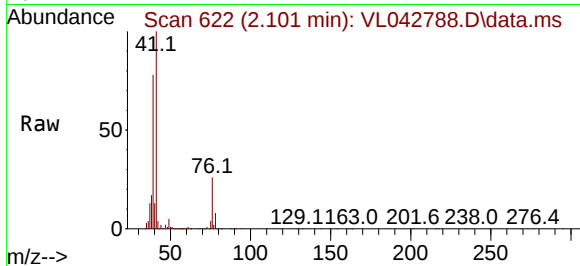




#21
 Allyl Chloride
 Concen: 9.930 ppbv
 RT: 2.101 min Scan# 61
 Delta R.T. 0.007 min
 Lab File: VL042788.D
 Acq: 31 Jul 2025 08:37

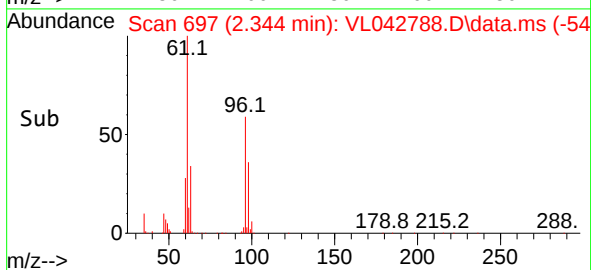
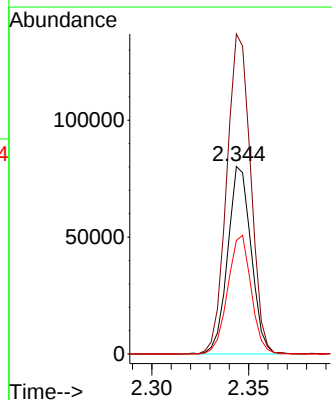
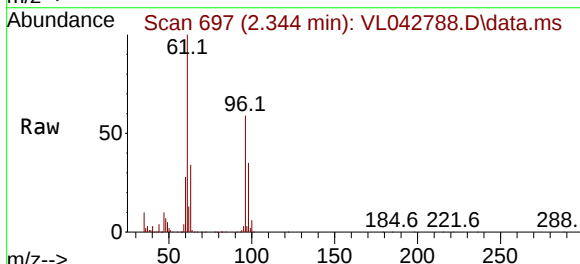
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

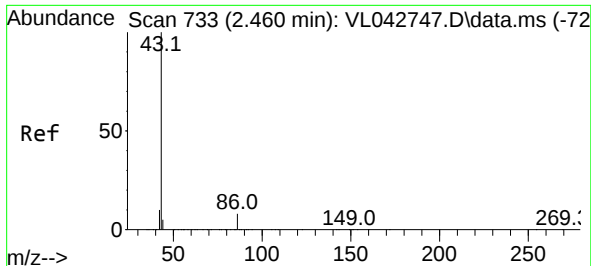
Tgt Ion: 41 Resp: 117837
 Ion Ratio Lower Upper
 41 100
 76 26.7 21.1 31.7
 39 82.2 68.3 102.5



#22
 trans-1,2-Dichloroethene
 Concen: 9.614 ppbv
 RT: 2.344 min Scan# 697
 Delta R.T. 0.003 min
 Lab File: VL042788.D
 Acq: 31 Jul 2025 08:37

Tgt Ion: 96 Resp: 67488
 Ion Ratio Lower Upper
 96 100
 61 170.6 142.3 213.5
 98 60.5 50.6 76.0



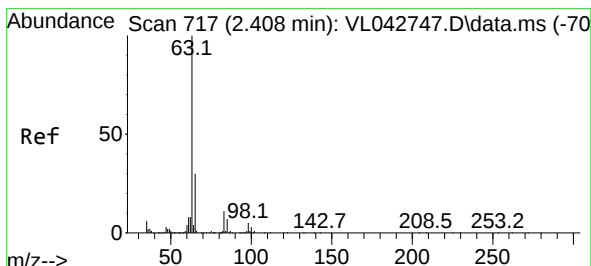
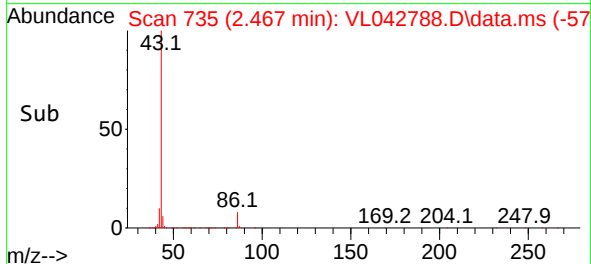
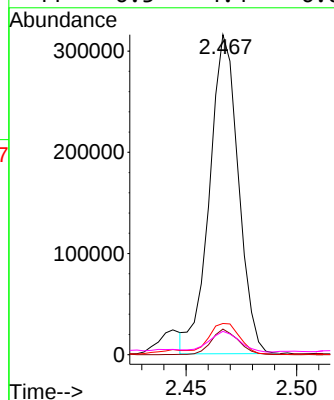
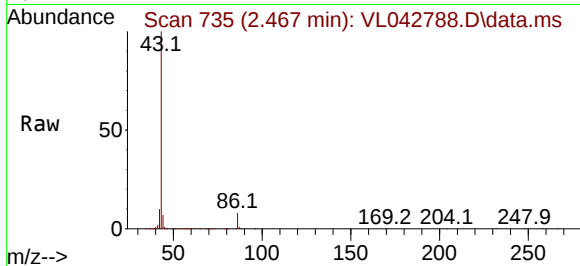


#23
 Vinyl Acetate
 Concen: 12.247 ppbv
 RT: 2.467 min Scan# 719
 Delta R.T. 0.006 min
 Lab File: VL042788.D
 Acq: 31 Jul 2025 08:37

Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 43 Resp: 285868

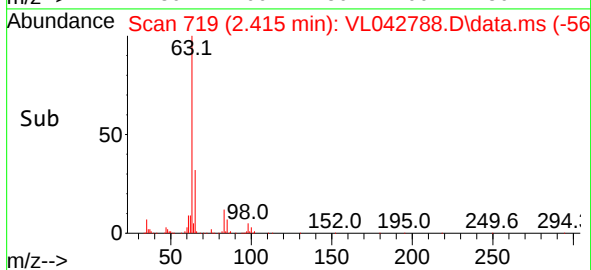
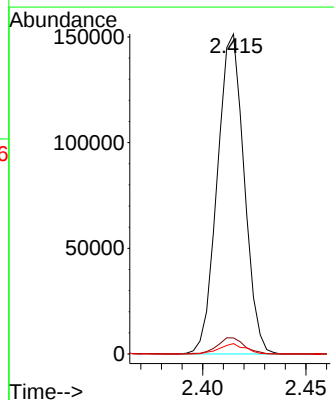
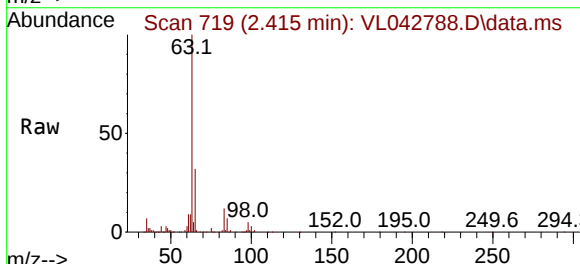
Ion	Ratio	Lower	Upper
43	100		
86	8.0	6.1	9.1
42	9.6	7.8	11.8
44	6.3	4.4	6.6

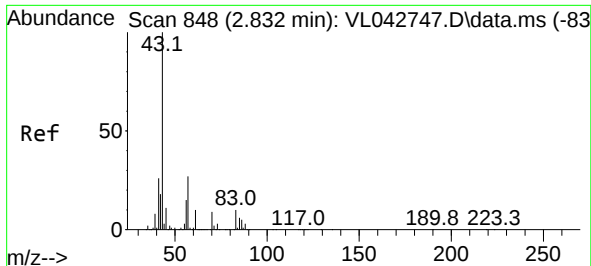


#24
 1,1-Dichloroethane
 Concen: 9.496 ppbv
 RT: 2.415 min Scan# 719
 Delta R.T. 0.006 min
 Lab File: VL042788.D
 Acq: 31 Jul 2025 08:37

Tgt Ion: 63 Resp: 136815

Ion	Ratio	Lower	Upper
63	100		
98	5.0	2.5	7.4
100	3.3	1.6	4.8



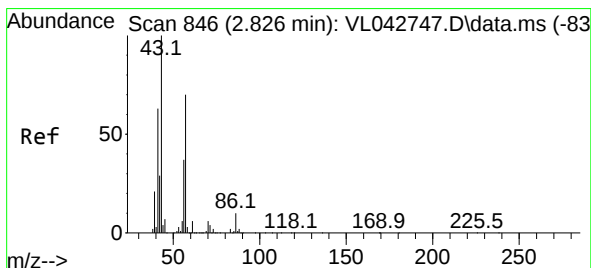
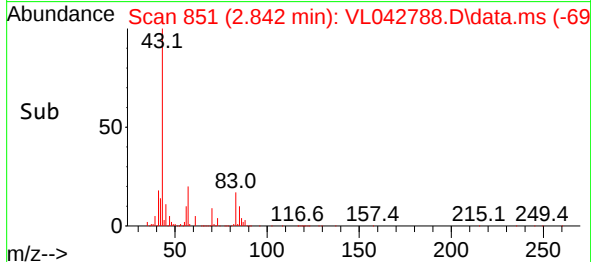
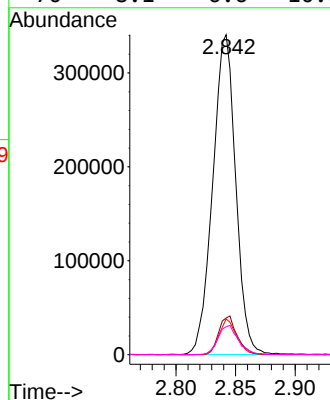
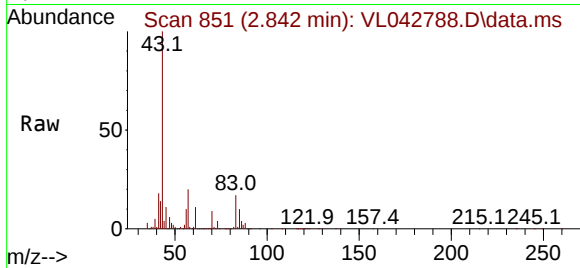


#25
Ethyl Acetate
Concen: 10.702 ppbv
RT: 2.842 min Scan# 81
Delta R.T. 0.010 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Instrument :
MSVOA_1
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 456109

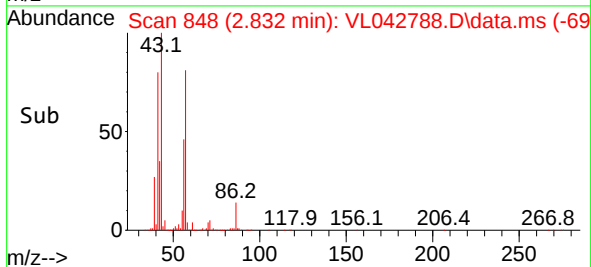
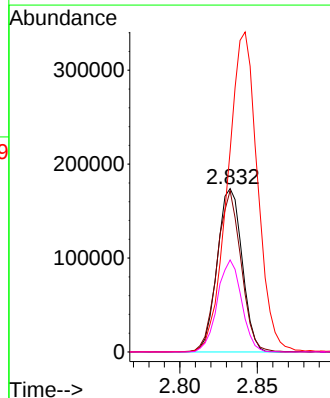
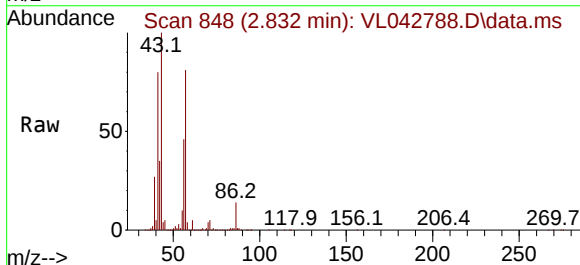
Ion	Ratio	Lower	Upper
43	100		
45	9.8	7.8	11.6
61	8.7	6.7	10.1
70	8.1	6.6	10.0

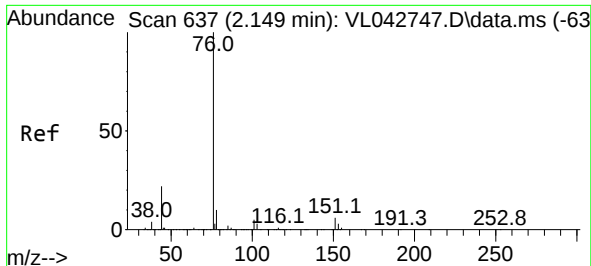


#26
Hexane
Concen: 10.399 ppbv
RT: 2.832 min Scan# 848
Delta R.T. 0.006 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion: 57 Resp: 194417

Ion	Ratio	Lower	Upper
57	100		
41	95.9	75.4	113.2
43	235.7	185.0	277.6
56	54.8	42.9	64.3

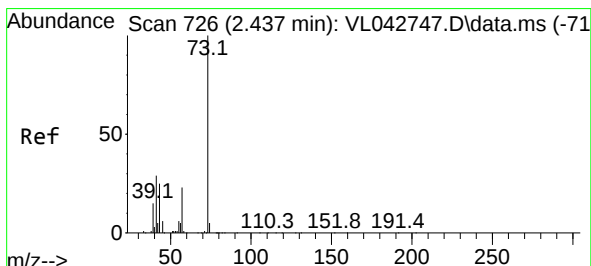
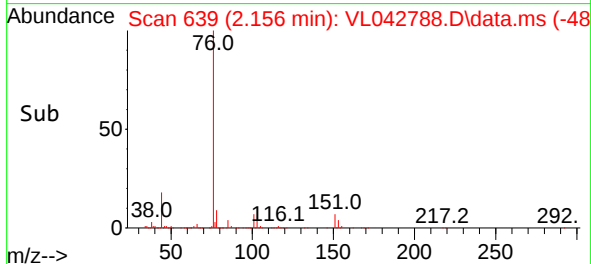
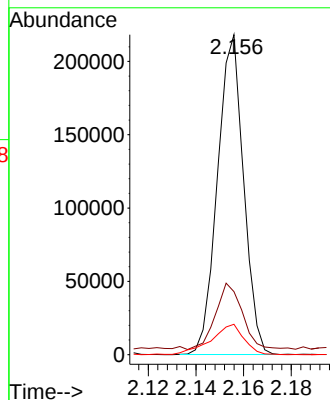
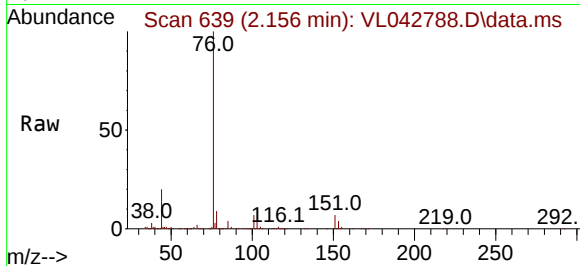




#27
Carbon Disulfide
Concen: 10.356 ppbv
RT: 2.156 min Scan# 61
Delta R.T. 0.006 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

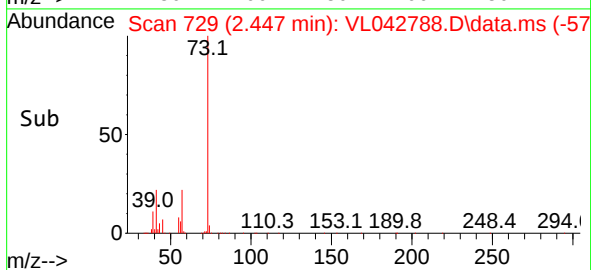
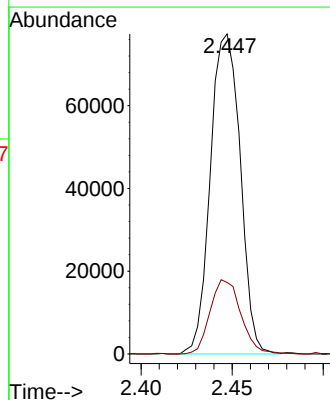
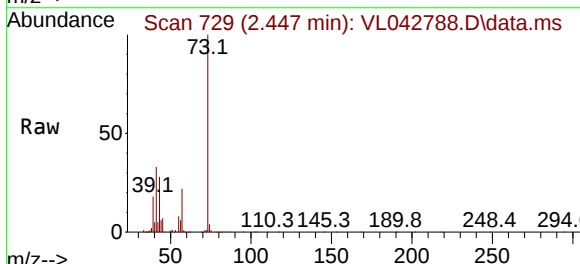
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

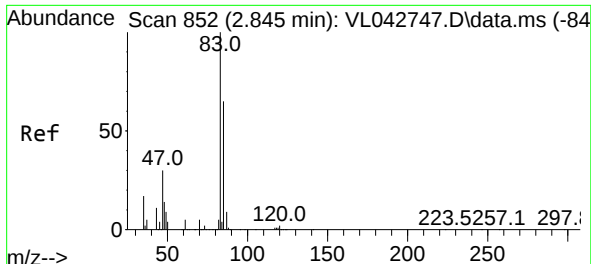
Tgt Ion: 76 Resp: 165760
Ion Ratio Lower Upper
76 100
44 21.5 19.3 28.9
78 12.1 9.9 14.9



#28
Methyl tert-Butyl Ether
Concen: 9.982 ppbv
RT: 2.447 min Scan# 729
Delta R.T. 0.010 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion: 73 Resp: 88166
Ion Ratio Lower Upper
73 100
57 23.9 19.8 29.8





#29

Chloroform

Concen: 10.451 ppbv

RT: 2.855 min Scan# 8

Delta R.T. 0.010 min

Lab File: VL042788.D

Acq: 31 Jul 2025 08:37

Instrument :

MSVOA_L

ClientSampleId :

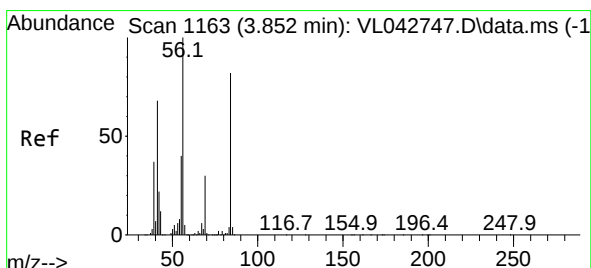
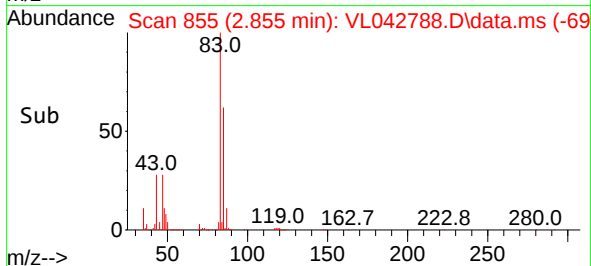
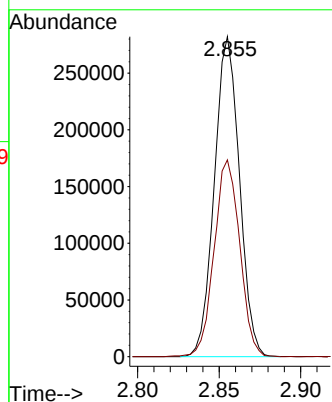
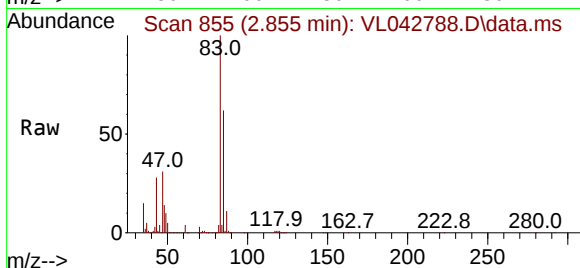
VSTDCCC010

Tgt Ion: 83 Resp: 301928

Ion Ratio Lower Upper

83 100

85 61.5 52.2 78.2



#30

Cyclohexane

Concen: 10.398 ppbv

RT: 3.865 min Scan# 1167

Delta R.T. 0.013 min

Lab File: VL042788.D

Acq: 31 Jul 2025 08:37

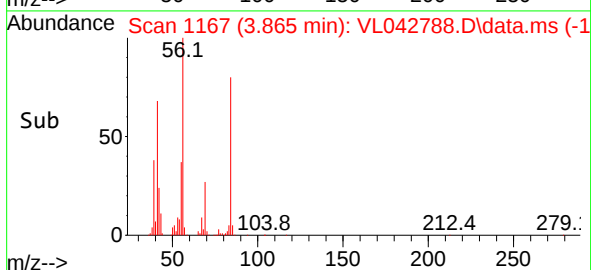
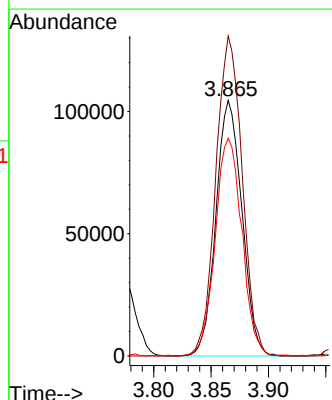
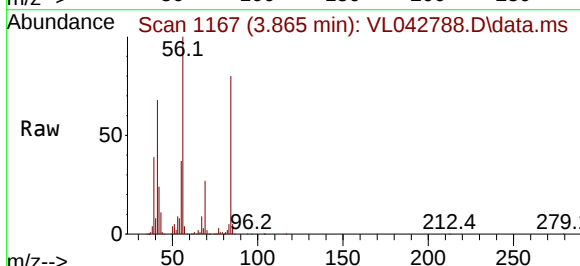
Tgt Ion: 84 Resp: 164864

Ion Ratio Lower Upper

84 100

56 126.6 97.5 146.3

41 87.2 67.2 100.8

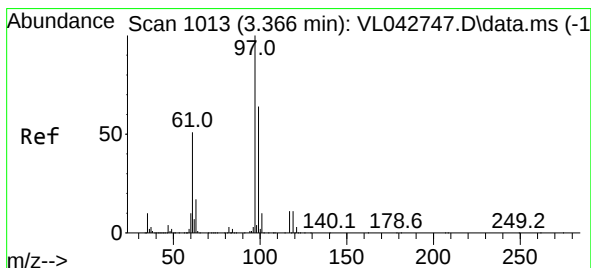
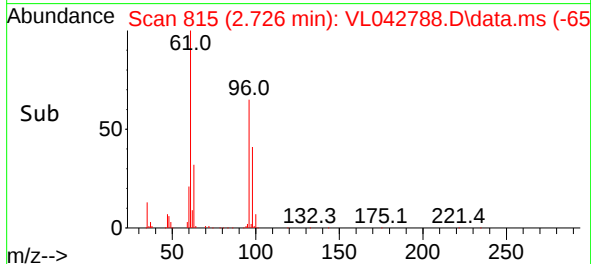
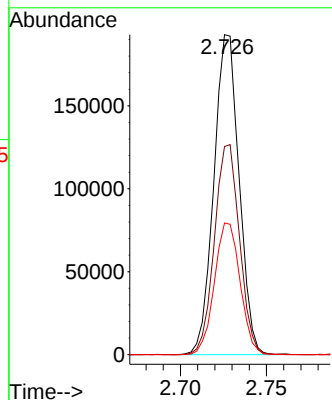
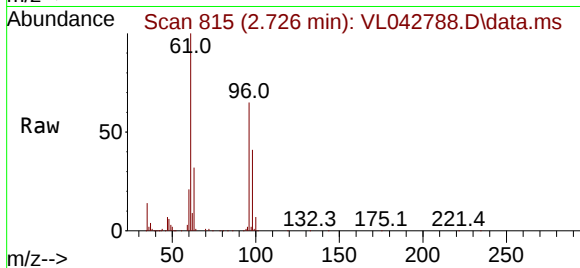




#31
 cis-1,2-Dichloroethene
 Concen: 10.250 ppbv
 RT: 2.726 min Scan# 813
 Delta R.T. 0.006 min
 Lab File: VL042788.D
 Acq: 31 Jul 2025 08:37

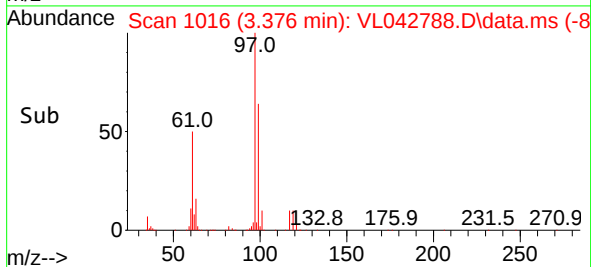
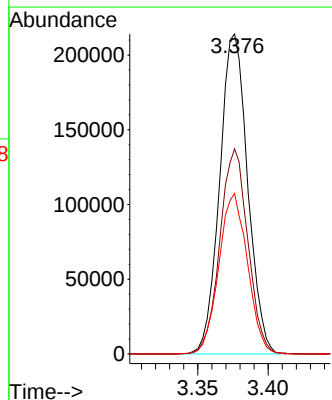
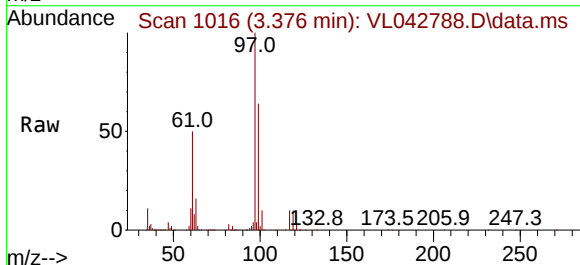
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

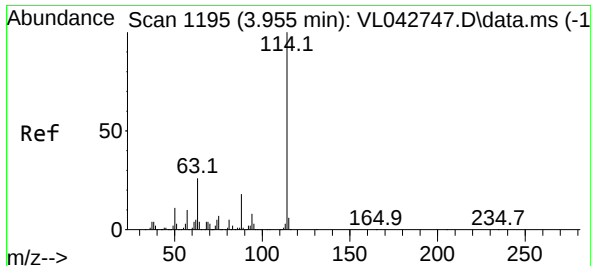
Tgt Ion: 61 Resp: 196928
 Ion Ratio Lower Upper
 61 100
 96 64.9 53.5 80.3
 98 41.2 33.6 50.4



#32
 1,1,1-Trichloroethane
 Concen: 9.850 ppbv
 RT: 3.376 min Scan# 1016
 Delta R.T. 0.010 min
 Lab File: VL042788.D
 Acq: 31 Jul 2025 08:37

Tgt Ion: 97 Resp: 296432
 Ion Ratio Lower Upper
 97 100
 99 63.9 51.0 76.6
 61 51.5 40.9 61.3





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.968 min Scan# 1199

Delta R.T. 0.013 min

Lab File: VL042788.D

Acq: 31 Jul 2025 08:37

Instrument :

MSVOA_1

ClientSampleId :

VSTDCCC010

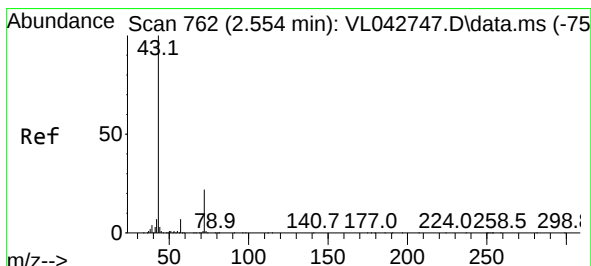
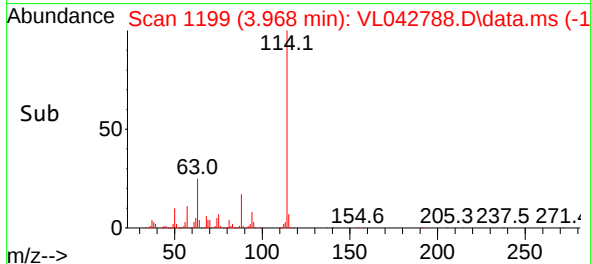
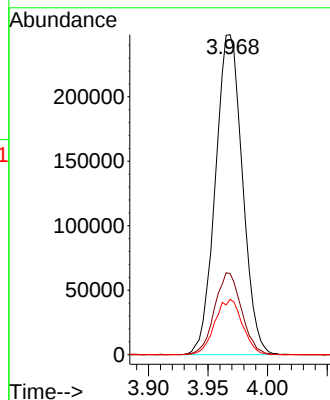
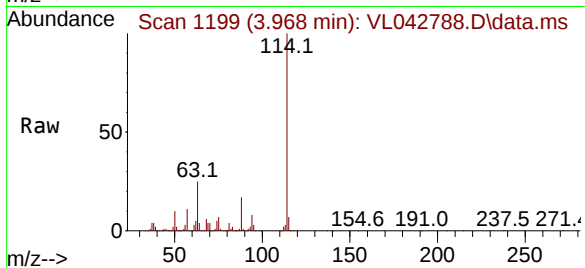
Tgt Ion:114 Resp: 391811

Ion Ratio Lower Upper

114 100

63 25.6 20.5 30.7

88 17.6 14.0 21.0



#34

2-Butanone

Concen: 10.726 ppbv

RT: 2.561 min Scan# 764

Delta R.T. 0.007 min

Lab File: VL042788.D

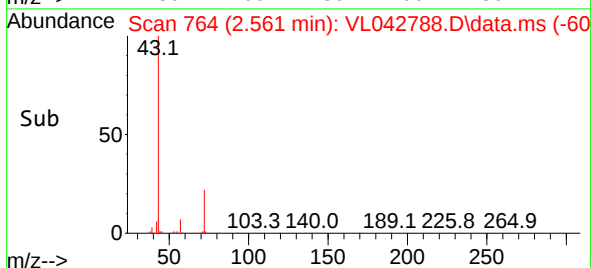
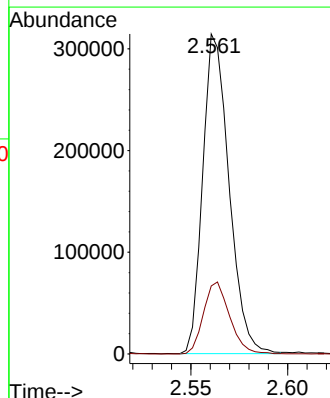
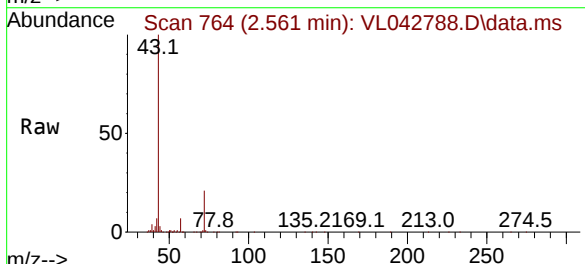
Acq: 31 Jul 2025 08:37

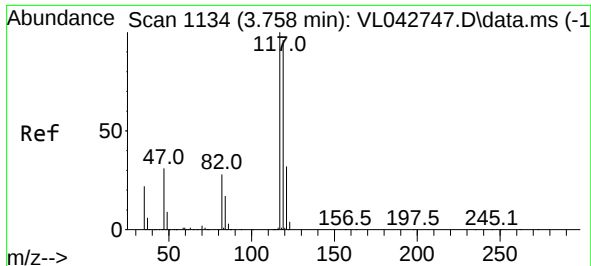
Tgt Ion: 43 Resp: 297678

Ion Ratio Lower Upper

43 100

72 22.4 17.4 26.0

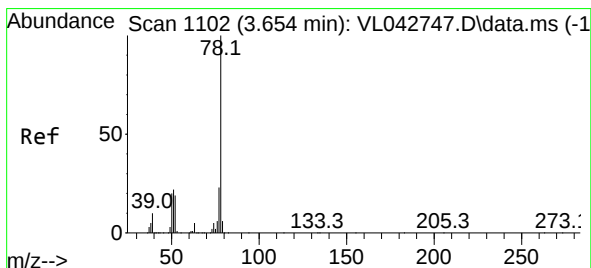
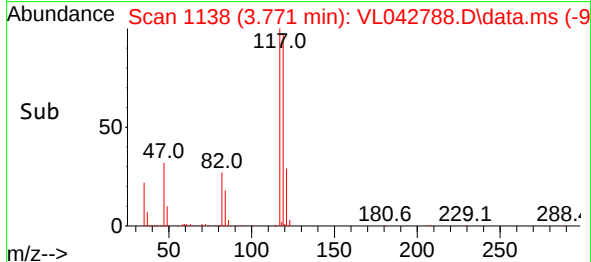
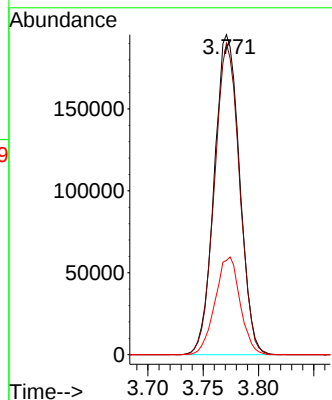
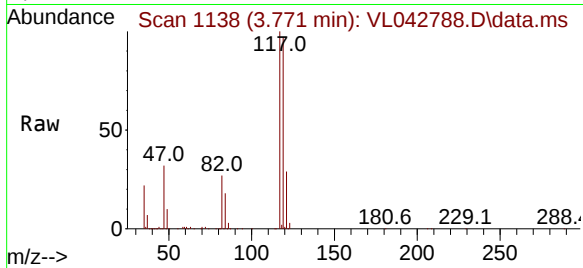




#35
Carbon Tetrachloride
Concen: 10.672 ppbv
RT: 3.771 min Scan# 1134
Delta R.T. 0.013 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

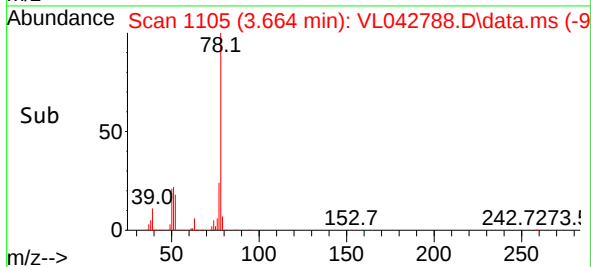
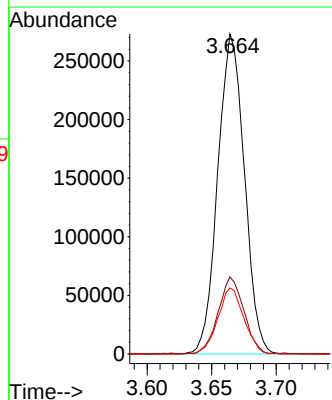
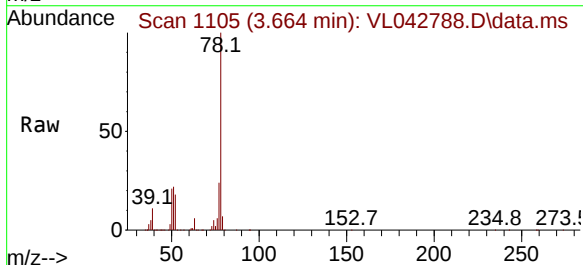
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

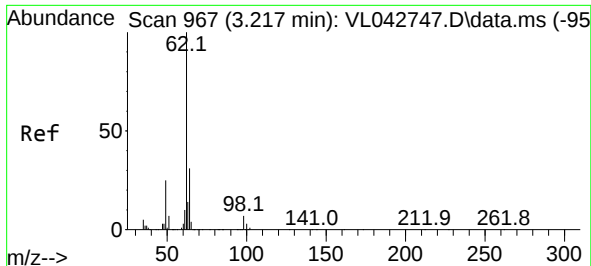
Tgt Ion:117 Resp: 310581
Ion Ratio Lower Upper
117 100
119 97.3 77.1 115.7
121 29.5 25.5 38.3



#36
Benzene
Concen: 10.548 ppbv
RT: 3.664 min Scan# 1105
Delta R.T. 0.010 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion: 78 Resp: 391679
Ion Ratio Lower Upper
78 100
77 24.0 18.5 27.7
50 20.6 16.2 24.2





#37

1,2-Dichloroethane

Concen: 10.592 ppbv

RT: 3.227 min Scan# 91

Delta R.T. 0.010 min

Lab File: VL042788.D

Acq: 31 Jul 2025 08:37

Instrument :

MSVOA_L

ClientSampleId :

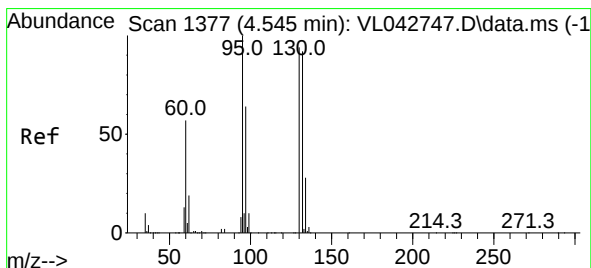
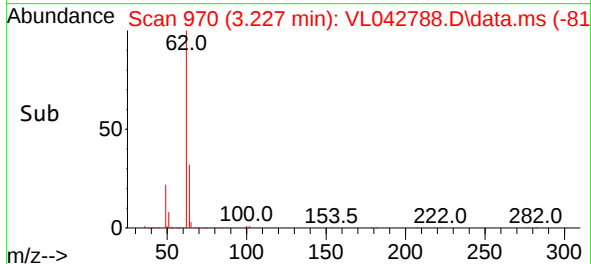
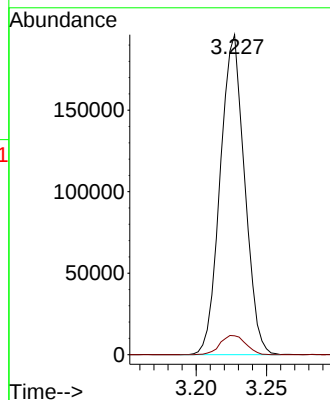
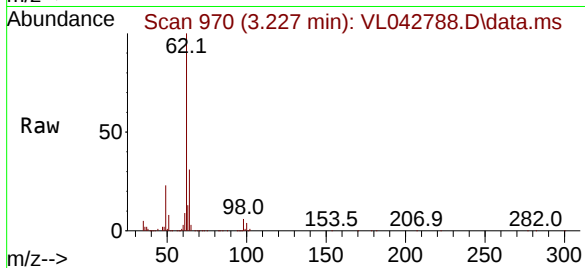
VSTDCCC010

Tgt Ion: 62 Resp: 236929

Ion Ratio Lower Upper

62 100

98 6.3 5.2 7.8



#38

Trichloroethene

Concen: 9.991 ppbv

RT: 4.561 min Scan# 1382

Delta R.T. 0.016 min

Lab File: VL042788.D

Acq: 31 Jul 2025 08:37

Tgt Ion:130 Resp: 178226

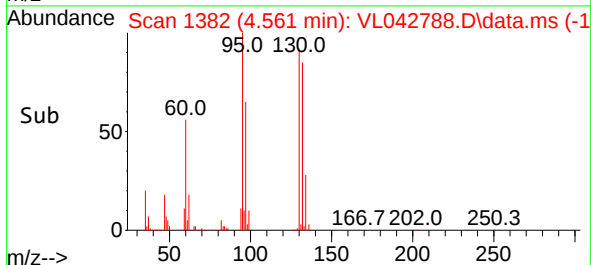
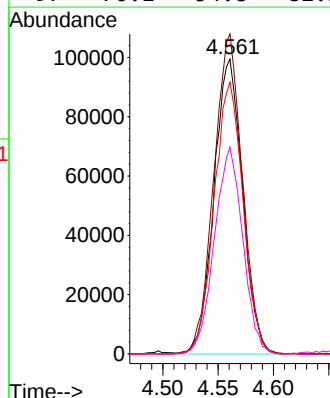
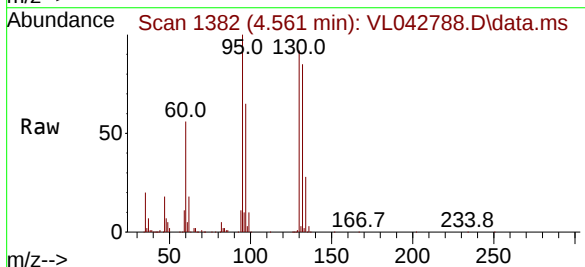
Ion Ratio Lower Upper

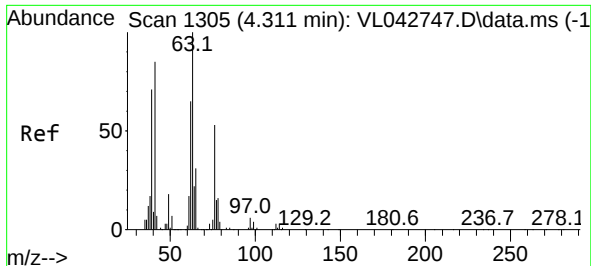
130 100

95 108.2 85.4 128.2

132 92.1 78.2 117.2

97 70.1 54.8 82.2





#39

1,2-Dichloropropane

Concen: 10.505 ppbv

RT: 4.324 min Scan# 11

Delta R.T. 0.013 min

Lab File: VL042788.D

Acq: 31 Jul 2025 08:37

Instrument :

MSVOA_1

ClientSampleId :

VSTDCCC010

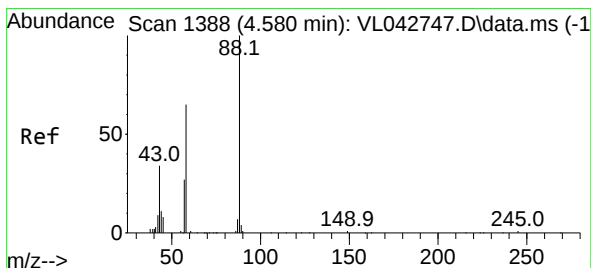
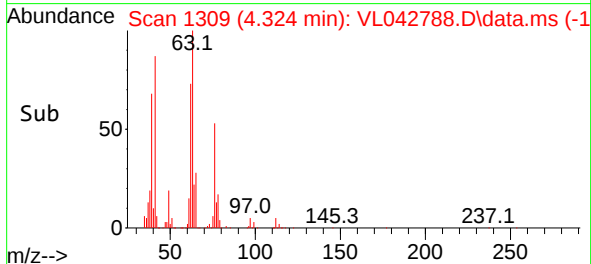
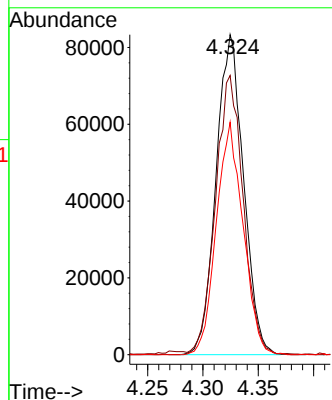
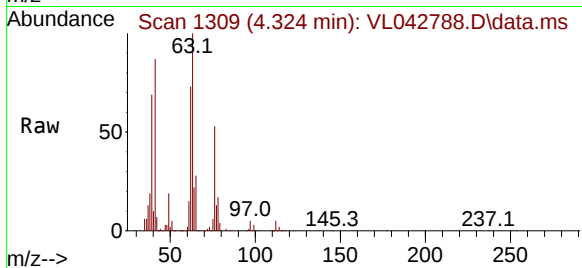
Tgt Ion: 63 Resp: 143986

Ion Ratio Lower Upper

63 100

41 87.0 68.2 102.4

62 72.7 52.0 78.0



#40

1,4-Dioxane

Concen: 10.049 ppbv

RT: 4.596 min Scan# 1393

Delta R.T. 0.016 min

Lab File: VL042788.D

Acq: 31 Jul 2025 08:37

Tgt Ion: 88 Resp: 64201

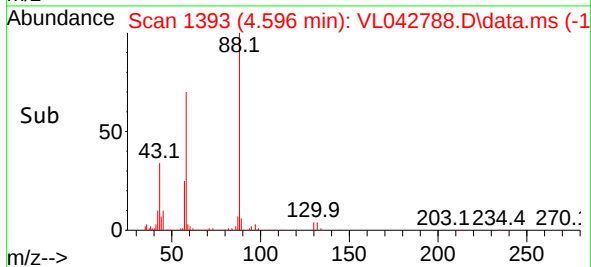
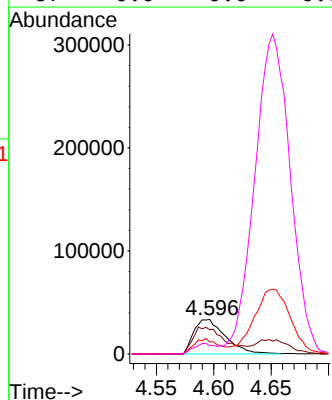
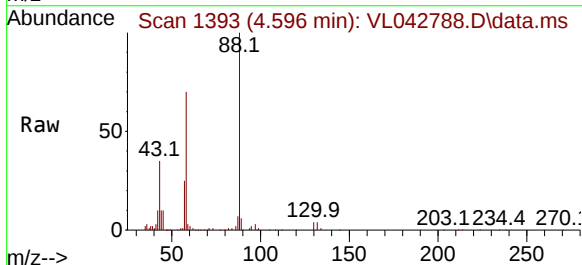
Ion Ratio Lower Upper

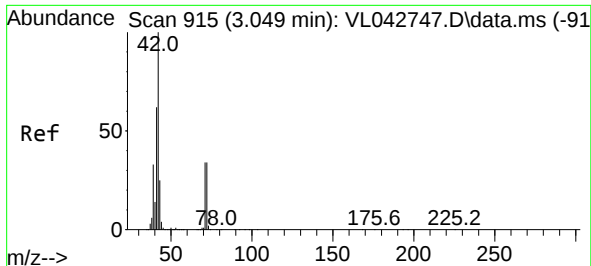
88 100

58 79.6 58.8 88.2

43 33.4 28.9 43.3

57 0.0 0.0 0.0

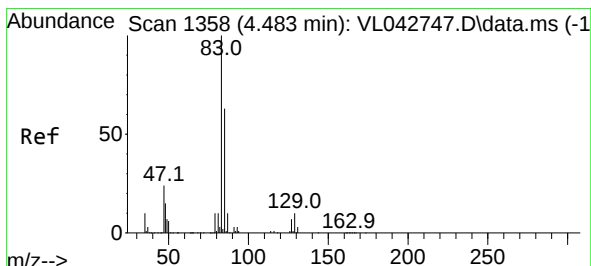
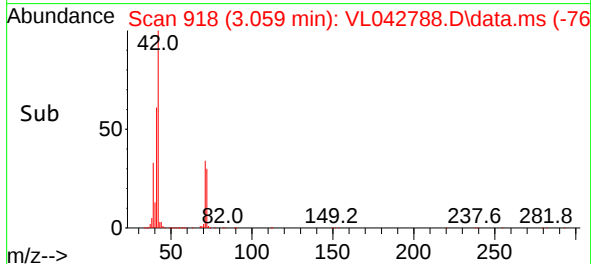
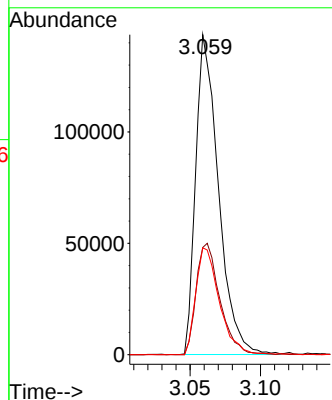
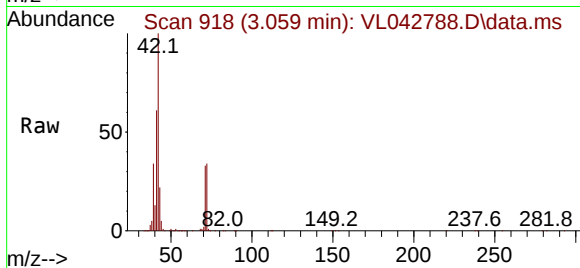




#41
Tetrahydrofuran
Concen: 11.447 ppbv
RT: 3.059 min Scan# 915
Delta R.T. 0.010 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

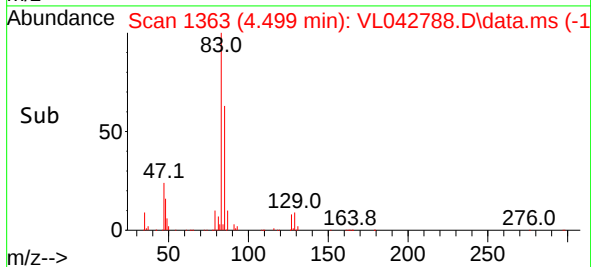
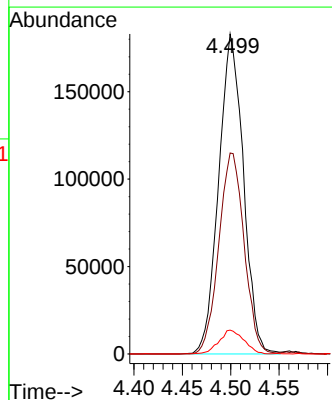
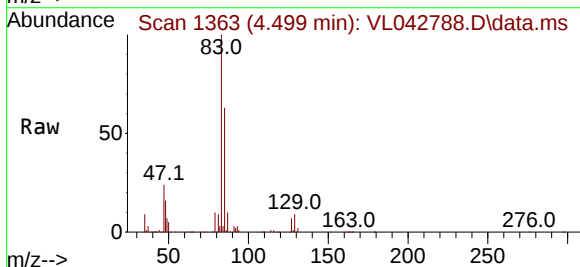
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

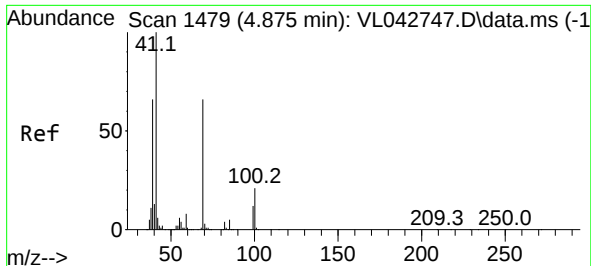
Tgt Ion: 42 Resp: 161670
Ion Ratio Lower Upper
42 100
72 36.3 30.9 46.3
71 34.9 28.6 43.0



#42
Bromodichloromethane
Concen: 11.125 ppbv
RT: 4.499 min Scan# 1363
Delta R.T. 0.016 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion: 83 Resp: 324091
Ion Ratio Lower Upper
83 100
85 62.8 50.2 75.4
127 7.5 5.4 8.2

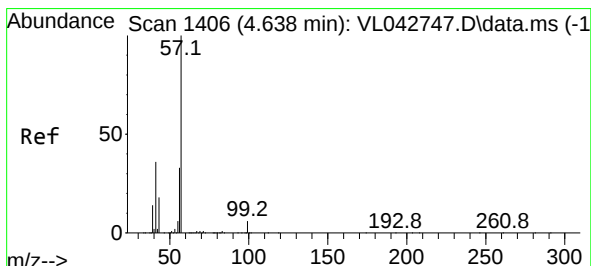
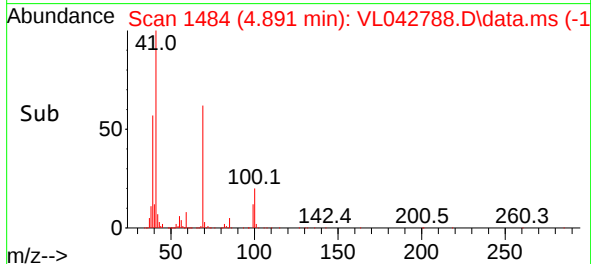
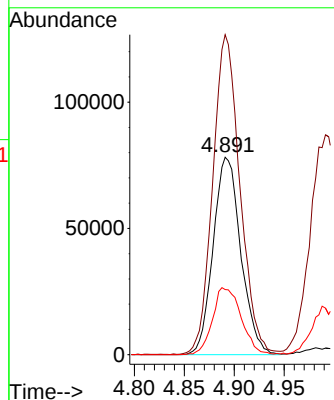
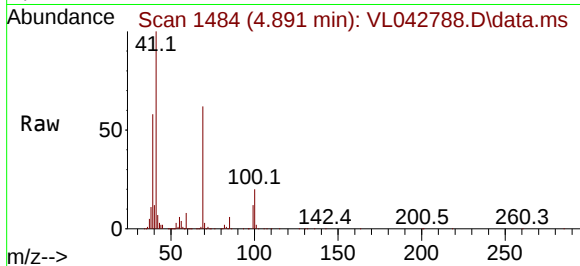




#43
Methyl Methacrylate
Concen: 11.418 ppbv
RT: 4.891 min Scan# 1479
Delta R.T. 0.016 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

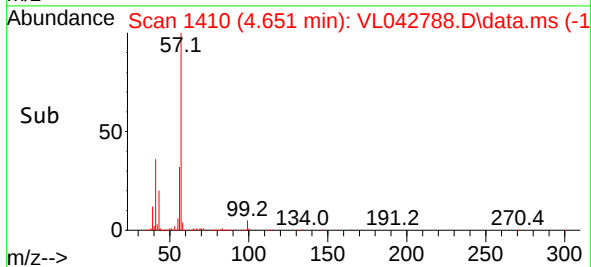
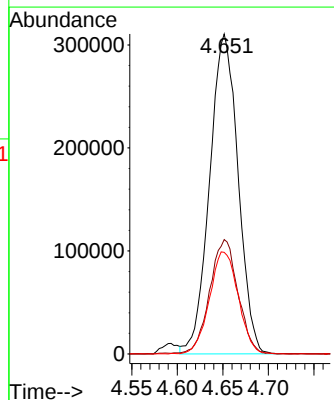
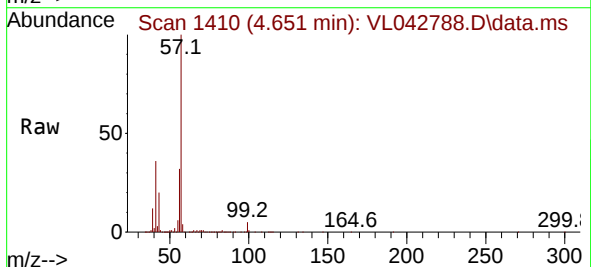
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

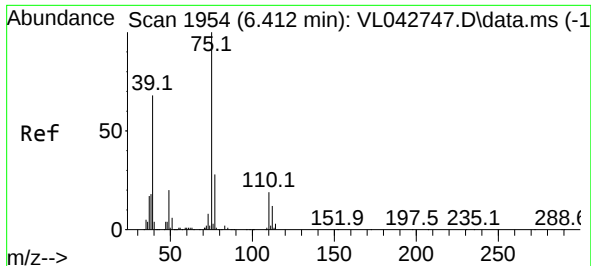
Tgt Ion: 69 Resp: 150704
Ion Ratio Lower Upper
69 100
41 159.5 125.7 188.5
100 35.3 28.6 42.8



#44
2,2,4-Trimethylpentane
Concen: 11.142 ppbv
RT: 4.651 min Scan# 1410
Delta R.T. 0.013 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion: 57 Resp: 674333
Ion Ratio Lower Upper
57 100
41 35.8 28.3 42.5
56 32.4 25.8 38.6

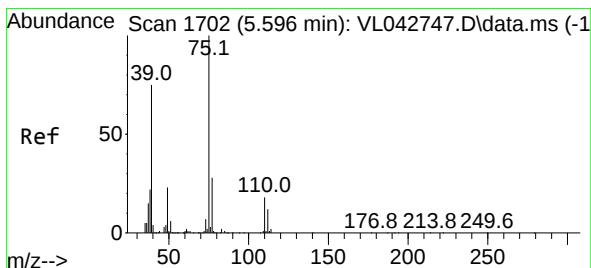
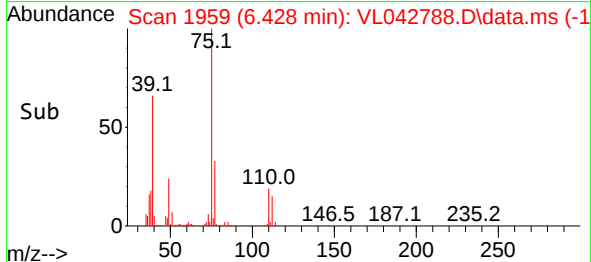
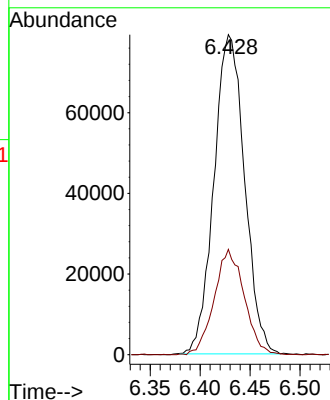
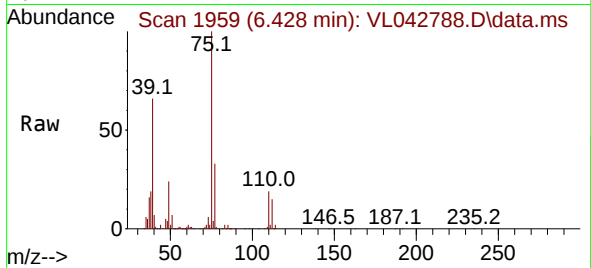




#45
 t-1,3-Dichloropropene
 Concen: 11.393 ppbv
 RT: 6.428 min Scan# 1954
 Delta R.T. 0.016 min
 Lab File: VL042788.D
 Acq: 31 Jul 2025 08:37

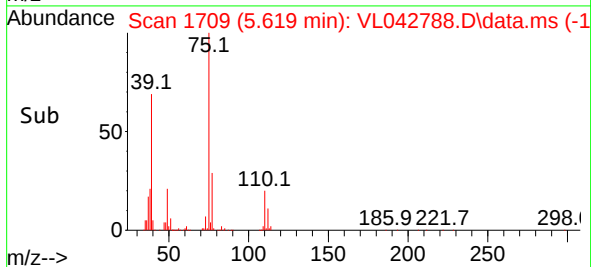
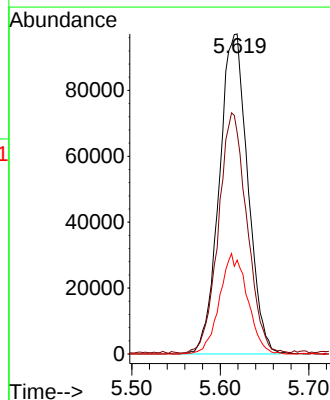
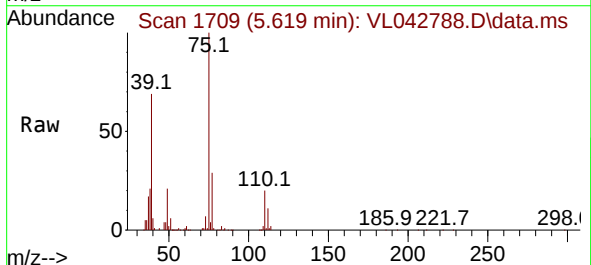
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDCCC010

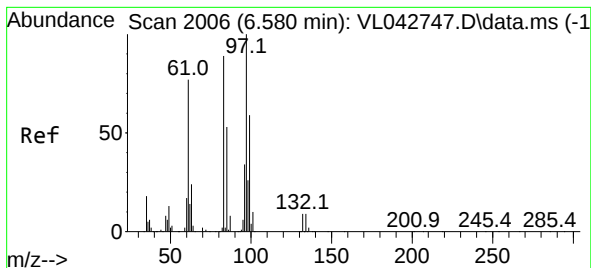
Tgt Ion: 75 Resp: 168632
 Ion Ratio Lower Upper
 75 100
 77 32.9 22.4 33.6



#46
 cis-1,3-Dichloropropene
 Concen: 11.589 ppbv
 RT: 5.619 min Scan# 1709
 Delta R.T. 0.023 min
 Lab File: VL042788.D
 Acq: 31 Jul 2025 08:37

Tgt Ion: 75 Resp: 217364
 Ion Ratio Lower Upper
 75 100
 39 68.9 60.2 90.2
 77 29.3 22.6 34.0





#47

1,1,2-Trichloroethane

Concen: 10.618 ppbv

RT: 6.597 min Scan# 20

Delta R.T. 0.016 min

Lab File: VL042788.D

Acq: 31 Jul 2025 08:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 97 Resp: 155145

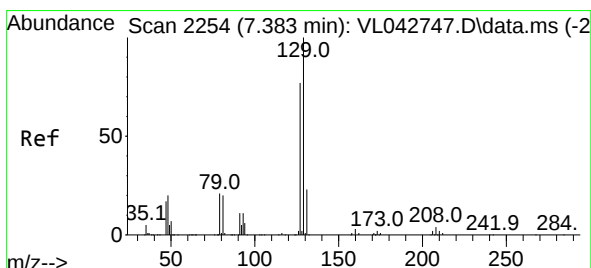
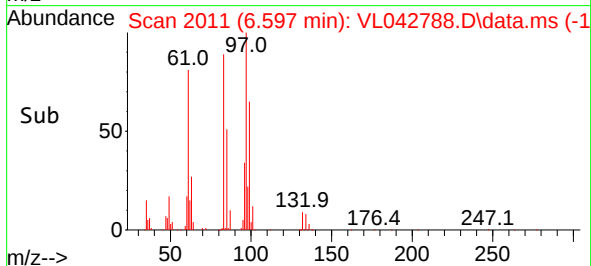
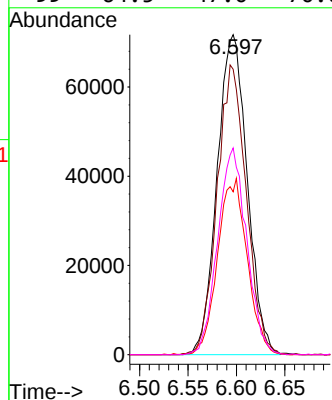
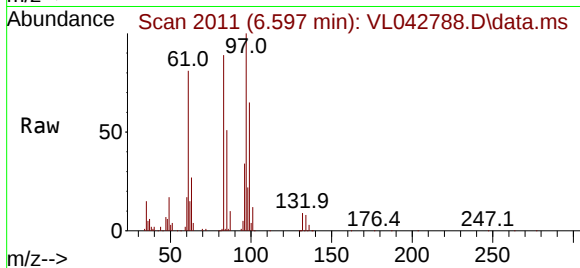
Ion Ratio Lower Upper

97 100

83 89.2 71.1 106.7

85 50.8 43.0 64.4

99 64.5 47.0 70.6



#48

Dibromochloromethane

Concen: 11.346 ppbv

RT: 7.399 min Scan# 2259

Delta R.T. 0.016 min

Lab File: VL042788.D

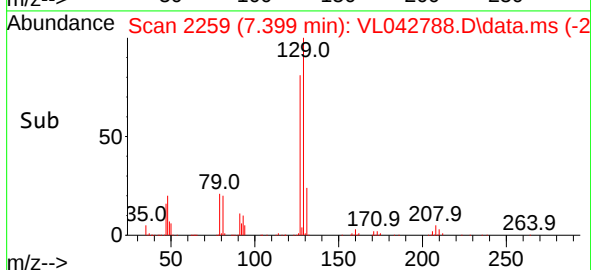
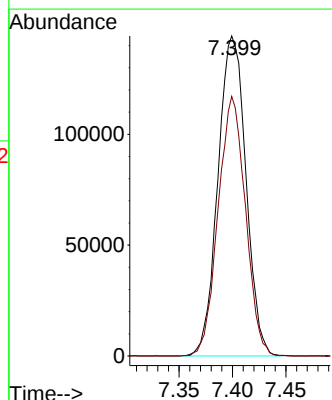
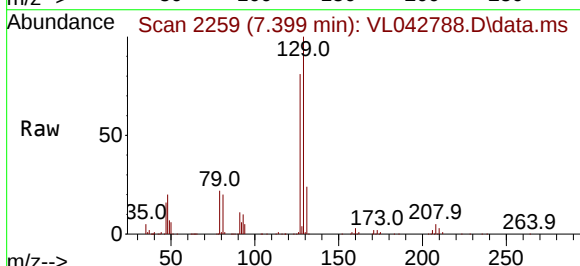
Acq: 31 Jul 2025 08:37

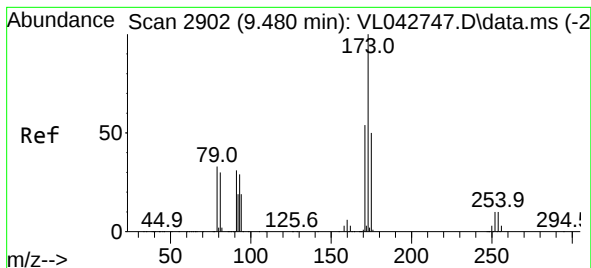
Tgt Ion: 129 Resp: 263177

Ion Ratio Lower Upper

129 100

127 79.2 38.7 116.1





#49

Bromoform

Concen: 11.551 ppbv

RT: 9.493 min Scan# 2906

Delta R.T. 0.013 min

Lab File: VL042788.D

Acq: 31 Jul 2025 08:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

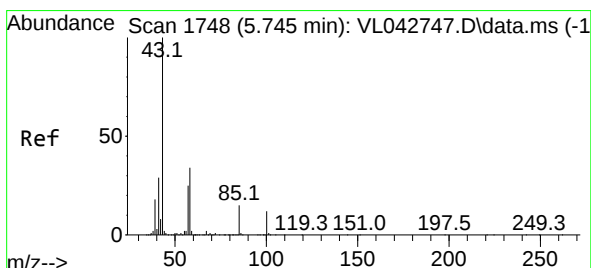
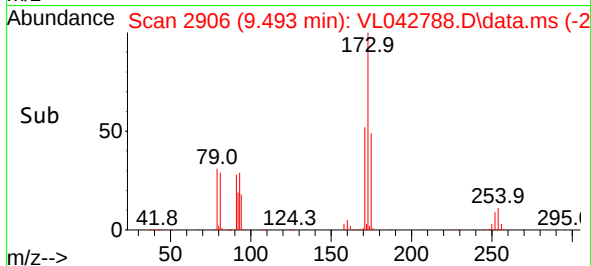
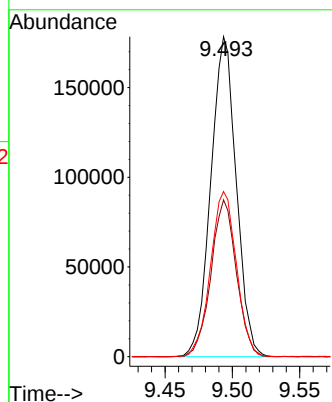
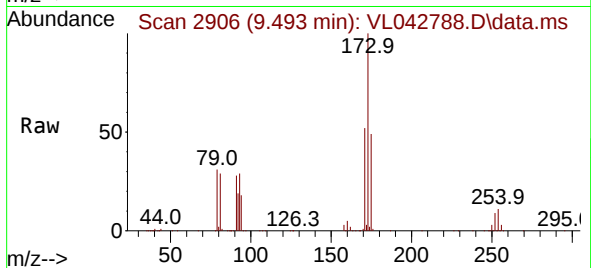
Tgt Ion:173 Resp: 233626

Ion Ratio Lower Upper

173 100

175 49.1 38.4 57.6

171 52.8 40.9 61.3



#50

4-Methyl-2-Pentanone

Concen: 11.101 ppbv

RT: 5.765 min Scan# 1754

Delta R.T. 0.019 min

Lab File: VL042788.D

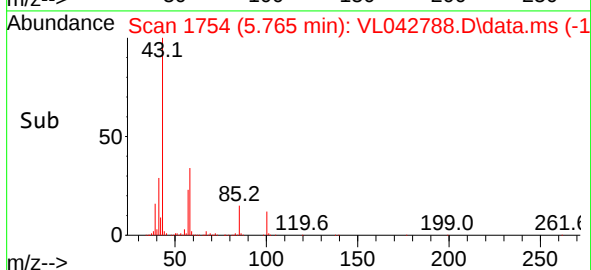
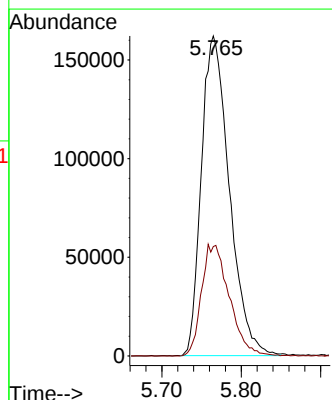
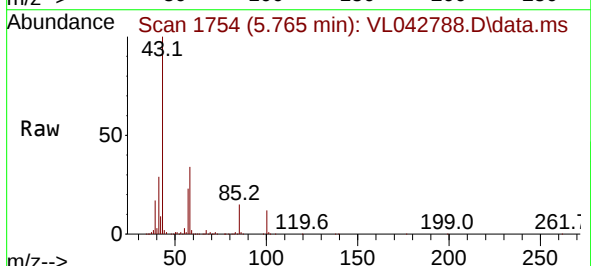
Acq: 31 Jul 2025 08:37

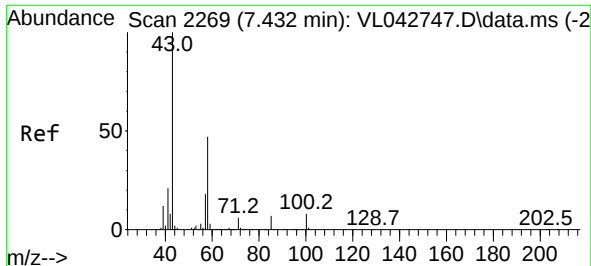
Tgt Ion: 43 Resp: 396864

Ion Ratio Lower Upper

43 100

58 34.7 27.8 41.8

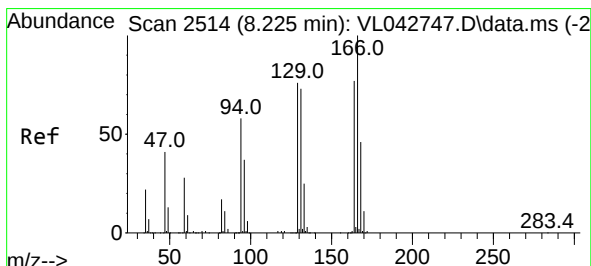
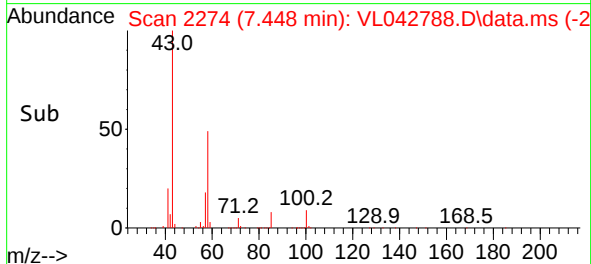
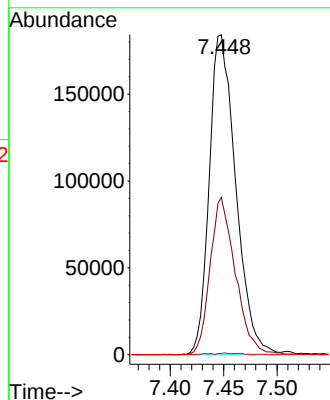
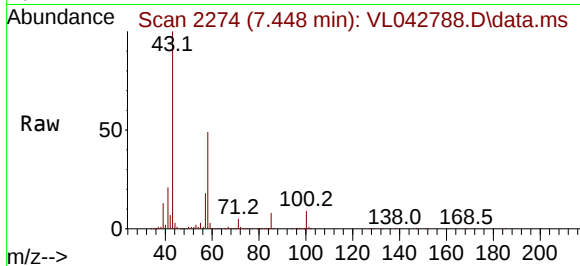




#51
2-Hexanone
Concen: 11.778 ppbv
RT: 7.448 min Scan# 2117
Delta R.T. 0.016 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

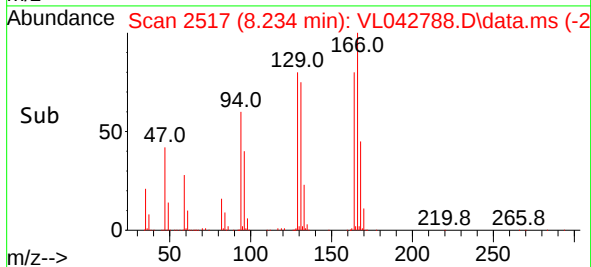
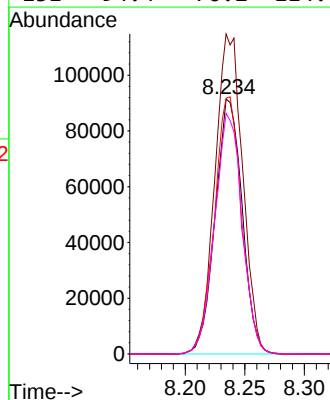
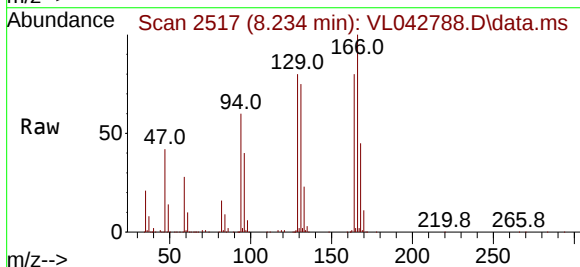
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

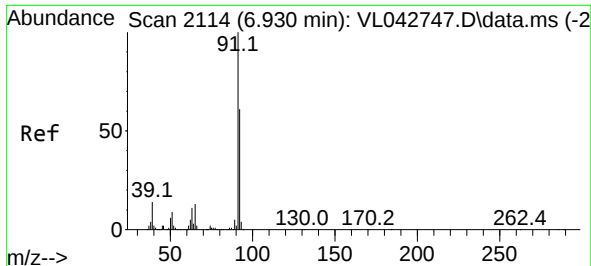
Tgt Ion: 43 Resp: 318210
Ion Ratio Lower Upper
43 100
58 46.9 38.0 57.0
98 0.6 0.2 0.4#



#52
Tetrachloroethene
Concen: 9.319 ppbv
RT: 8.234 min Scan# 2517
Delta R.T. 0.010 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion:164 Resp: 143437
Ion Ratio Lower Upper
164 100
166 125.6 104.0 156.0
129 100.3 79.2 118.8
131 94.4 76.2 114.4

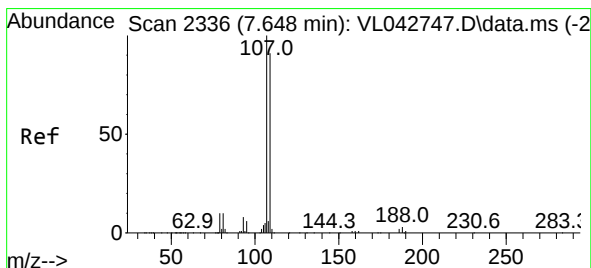
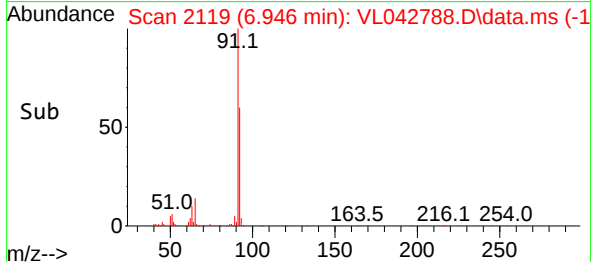
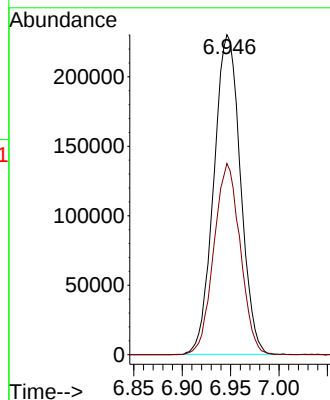
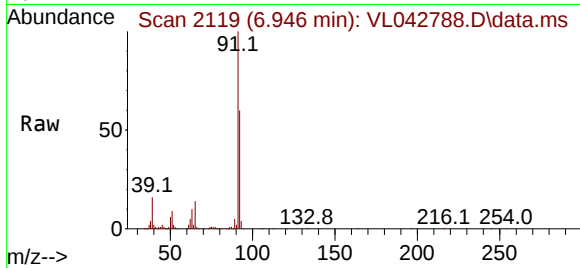




#53
Toluene
Concen: 11.044 ppbv
RT: 6.946 min Scan# 2119
Delta R.T. 0.016 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

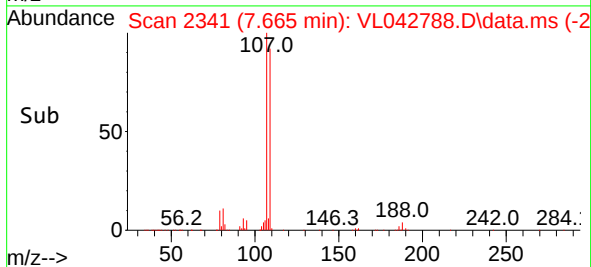
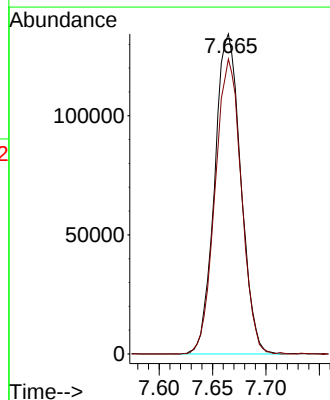
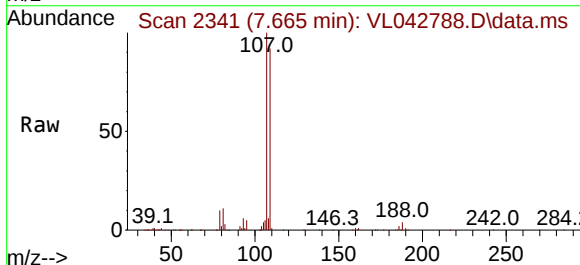
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

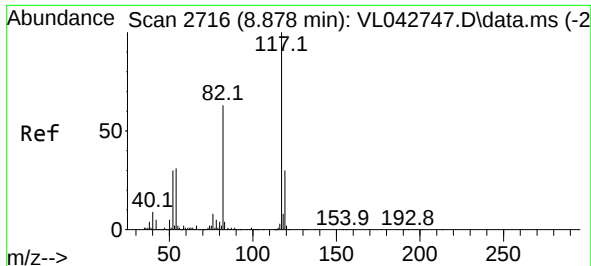
Tgt Ion: 91 Resp: 440370
Ion Ratio Lower Upper
91 100
92 59.3 48.0 72.0



#54
1,2-Dibromoethane
Concen: 11.078 ppbv
RT: 7.665 min Scan# 2341
Delta R.T. 0.016 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion: 107 Resp: 228691
Ion Ratio Lower Upper
107 100
109 92.2 72.7 109.1

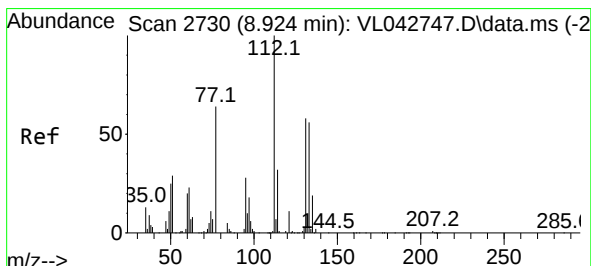
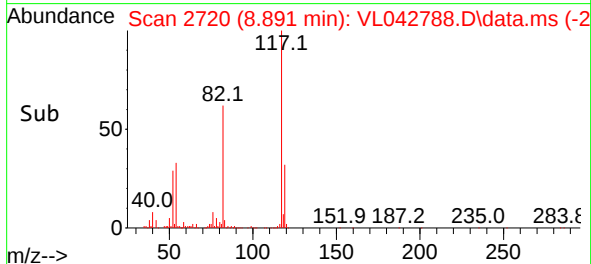
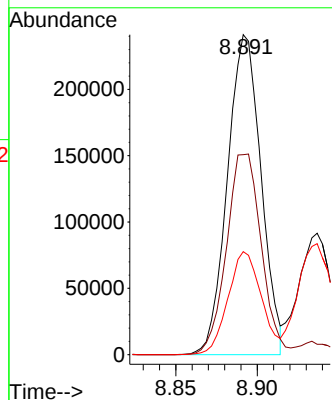
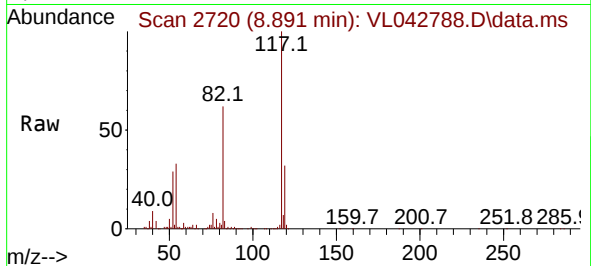




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.891 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

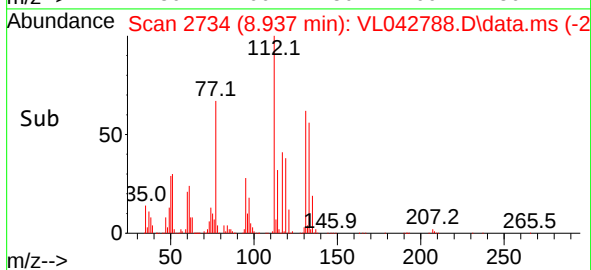
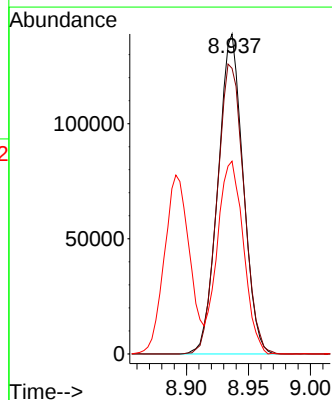
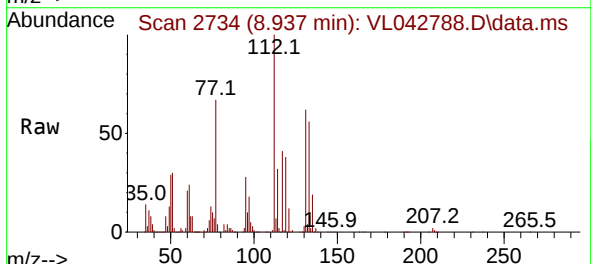
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

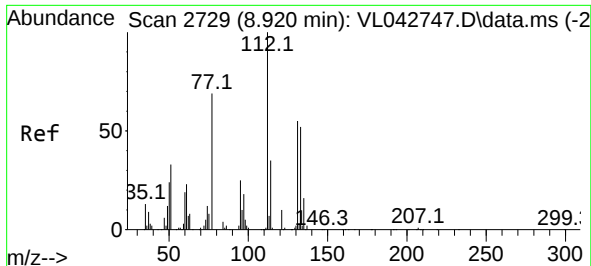
Tgt Ion:117 Resp: 345903
Ion Ratio Lower Upper
117 100
82 68.7 53.3 79.9
119 31.5 25.8 38.6



#56
1,1,1,2-Tetrachloroethane
Concen: 10.944 ppbv
RT: 8.937 min Scan# 2734
Delta R.T. 0.013 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion:131 Resp: 196819
Ion Ratio Lower Upper
131 100
133 96.1 76.8 115.2
119 63.5 49.7 74.5





#57

Chlorobenzene

Concen: 10.455 ppbv

RT: 8.933 min Scan# 21

Delta R.T. 0.013 min

Lab File: VL042788.D

Acq: 31 Jul 2025 08:37

Instrument :

MSVOA_1

ClientSampleId :

VSTDCCC010

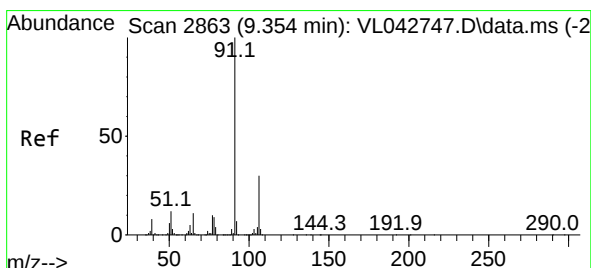
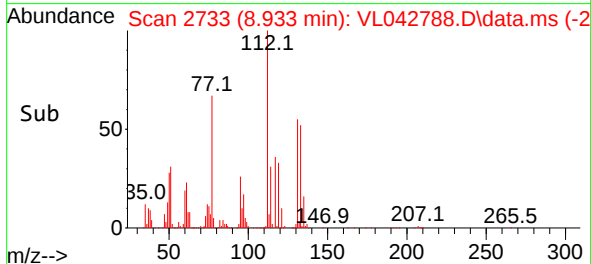
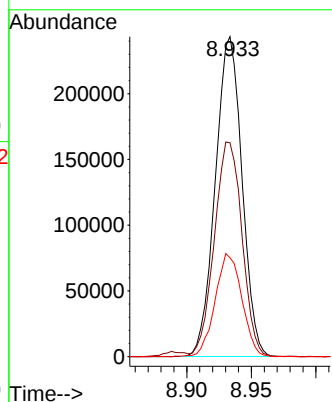
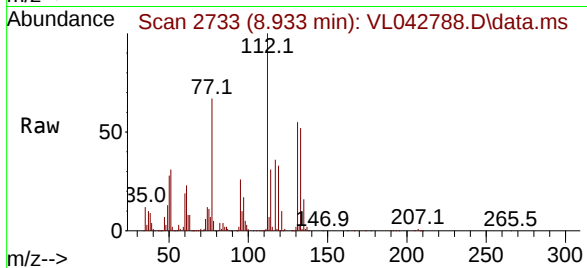
Tgt Ion:112 Resp: 349998

Ion Ratio Lower Upper

112 100

77 66.8 56.4 84.6

114 30.9 31.2 38.2#



#58

Ethyl Benzene

Concen: 11.272 ppbv

RT: 9.364 min Scan# 2866

Delta R.T. 0.010 min

Lab File: VL042788.D

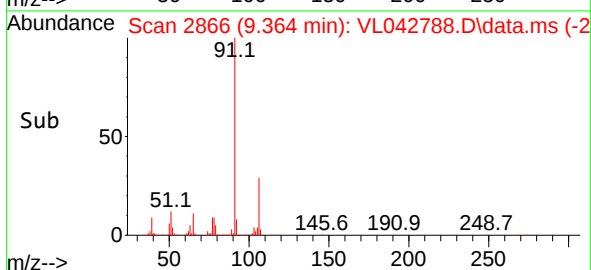
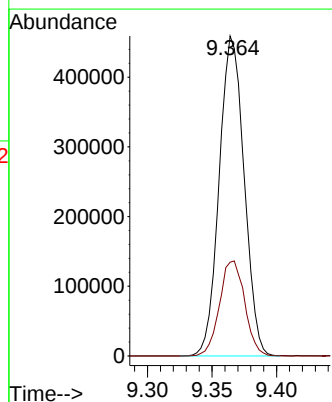
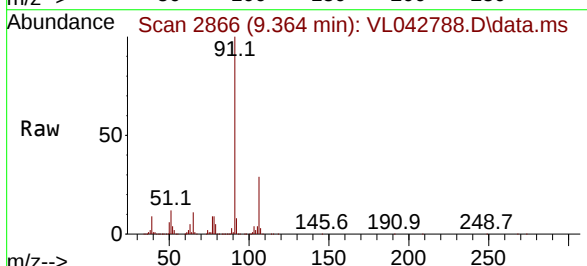
Acq: 31 Jul 2025 08:37

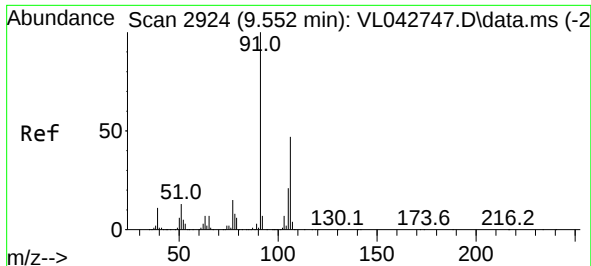
Tgt Ion: 91 Resp: 615736

Ion Ratio Lower Upper

91 100

106 29.3 23.8 35.6





#59

m/p-Xylene

Concen: 10.957 ppbv

RT: 9.561 min Scan# 2924

Delta R.T. 0.010 min

Lab File: VL042788.D

Acq: 31 Jul 2025 08:37

Instrument :

MSVOA_L

ClientSampleId :

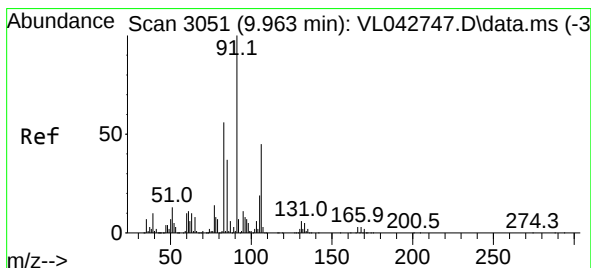
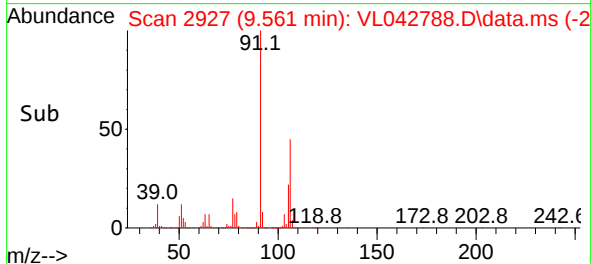
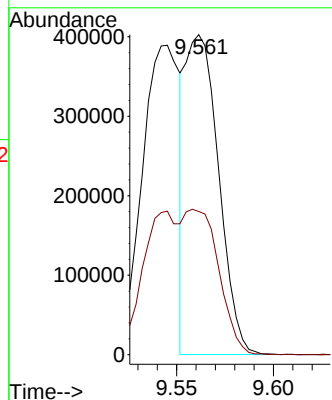
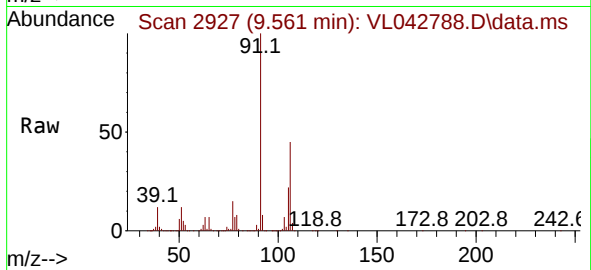
VSTDCCC010

Tgt Ion: 91 Resp: 478347

Ion Ratio Lower Upper

91 100

106 97.3 37.4 56.2#



#60

o-Xylene

Concen: 11.414 ppbv

RT: 9.972 min Scan# 3054

Delta R.T. 0.010 min

Lab File: VL042788.D

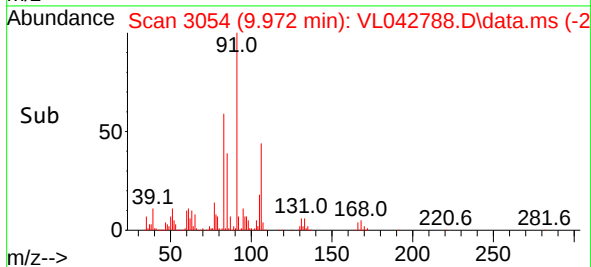
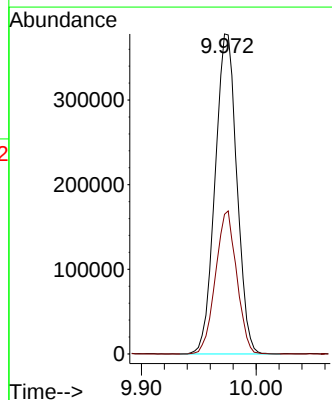
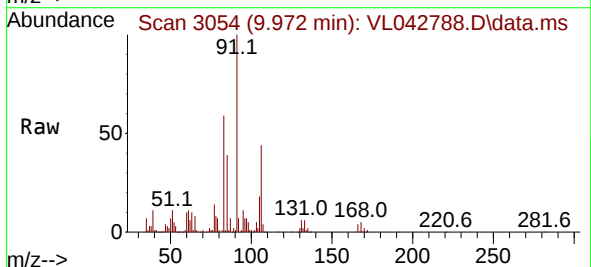
Acq: 31 Jul 2025 08:37

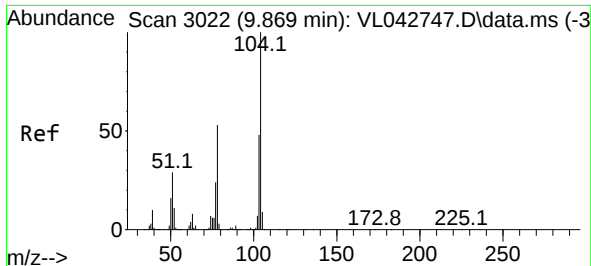
Tgt Ion: 91 Resp: 497901

Ion Ratio Lower Upper

91 100

106 43.7 22.0 66.0

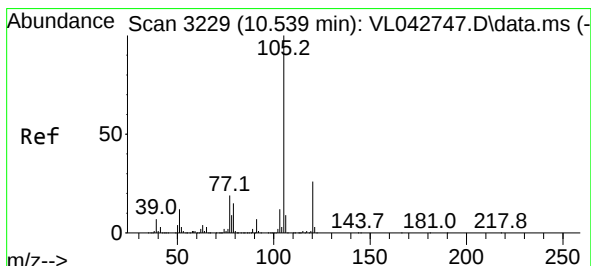
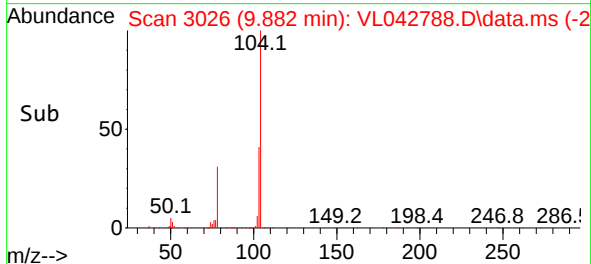
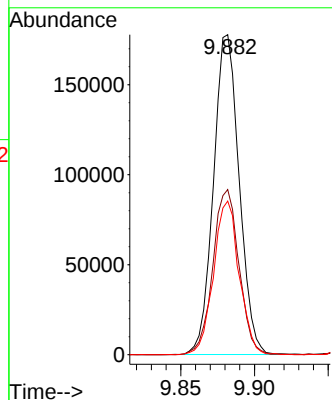
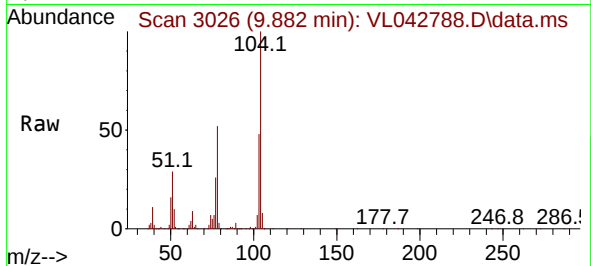




#61
Styrene
Concen: 11.742 ppbv
RT: 9.882 min Scan# 3026
Delta R.T. 0.013 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

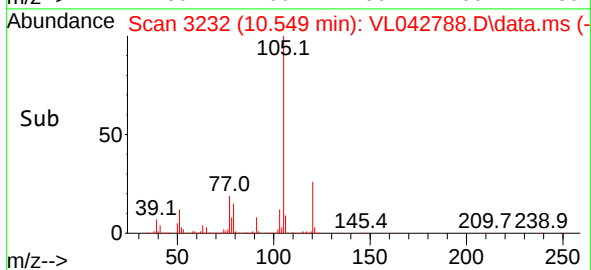
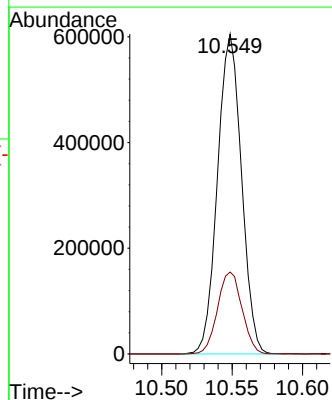
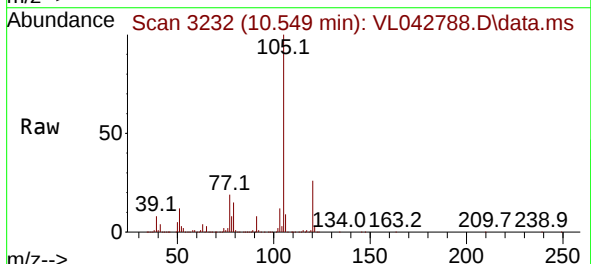
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

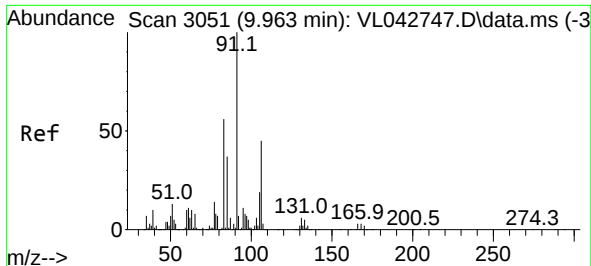
Tgt Ion:104 Resp: 215469
Ion Ratio Lower Upper
104 100
78 52.5 41.5 62.3
103 47.9 37.5 56.3



#62
Isopropylbenzene
Concen: 11.132 ppbv
RT: 10.549 min Scan# 3232
Delta R.T. 0.010 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion:105 Resp: 716277
Ion Ratio Lower Upper
105 100
120 26.1 20.5 30.7





#63

1,1,2,2-Tetrachloroethane

Concen: 10.413 ppbv

RT: 9.972 min Scan# 3051

Delta R.T. 0.010 min

Lab File: VL042788.D

Acq: 31 Jul 2025 08:37

Instrument :

MSVOA_1

ClientSampleId :

VSTDCCC010

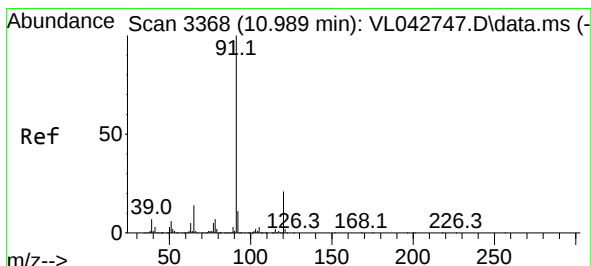
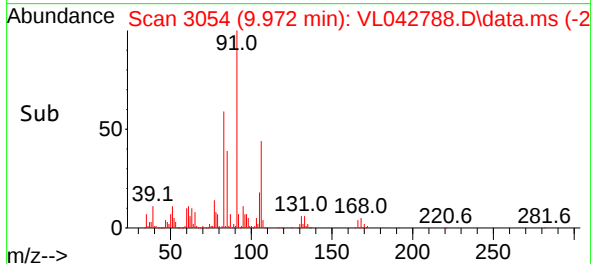
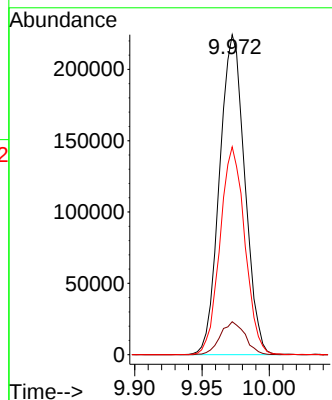
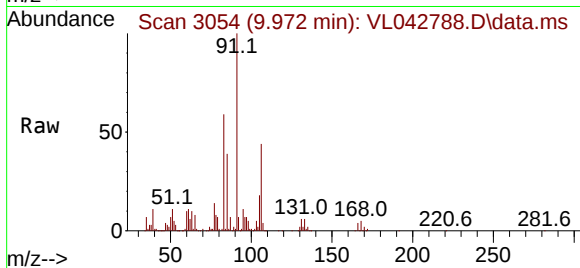
Tgt Ion: 83 Resp: 291626

Ion Ratio Lower Upper

83 100

131 10.2 5.0 15.0

85 64.1 32.6 97.7



#64

n-propylbenzene

Concen: 11.563 ppbv

RT: 10.998 min Scan# 3371

Delta R.T. 0.010 min

Lab File: VL042788.D

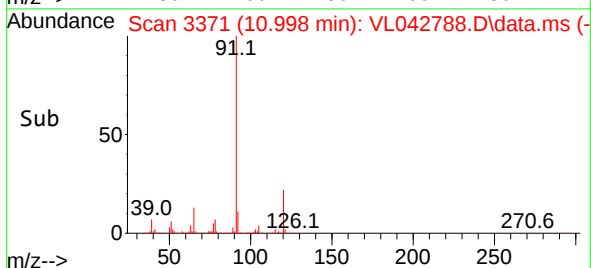
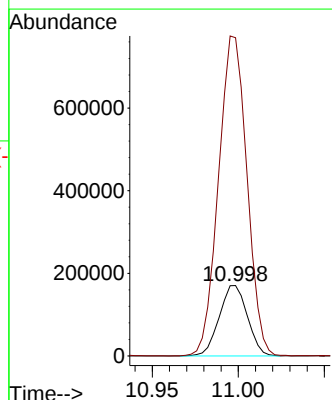
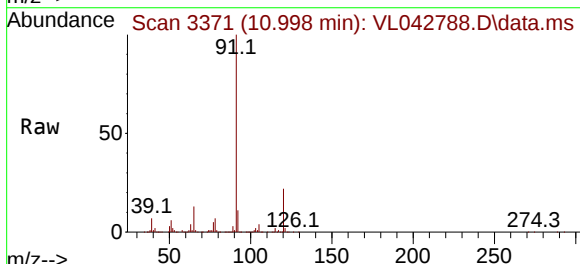
Acq: 31 Jul 2025 08:37

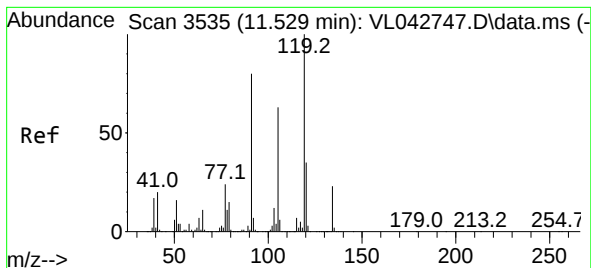
Tgt Ion:120 Resp: 193965

Ion Ratio Lower Upper

120 100

91 459.7 372.7 559.1





#65

tert-Butylbenzene

Concen: 11.215 ppbv

RT: 11.539 min Scan# 3535

Delta R.T. 0.010 min

Lab File: VL042788.D

Acq: 31 Jul 2025 08:37

Instrument :

MSVOA_1

ClientSampleId :

VSTDCCC010

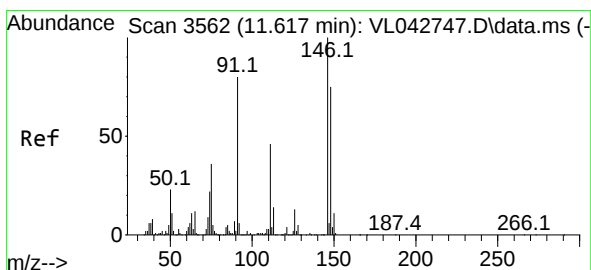
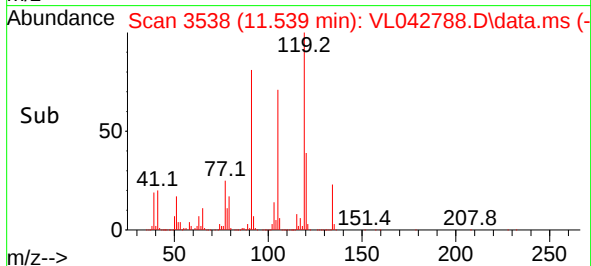
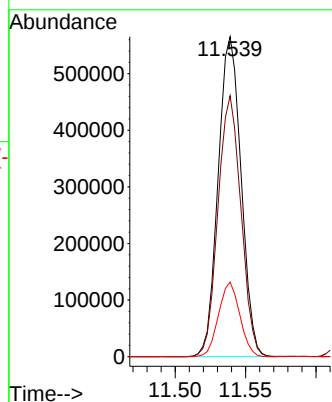
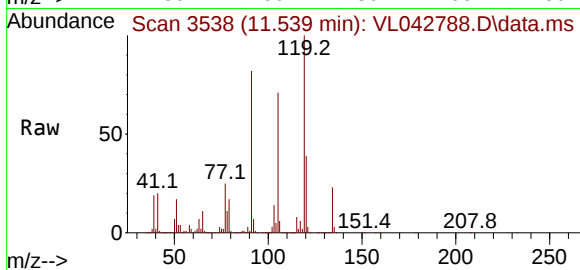
Tgt Ion:119 Resp: 641028

Ion Ratio Lower Upper

119 100

91 81.6 64.0 96.0

134 21.6 17.3 25.9



#66

Benzyl Chloride

Concen: 13.854 ppbv

RT: 11.623 min Scan# 3564

Delta R.T. 0.007 min

Lab File: VL042788.D

Acq: 31 Jul 2025 08:37

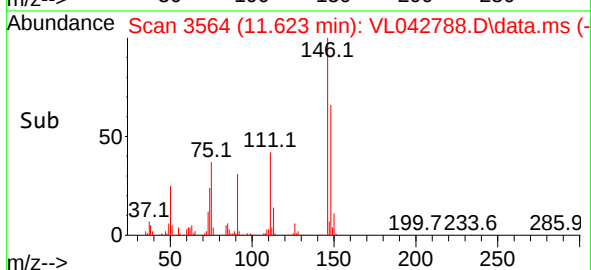
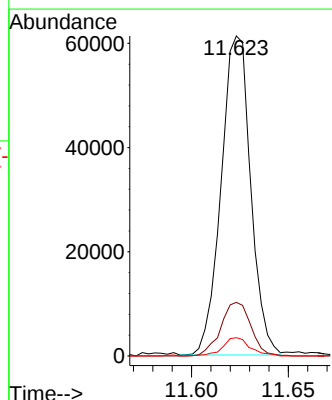
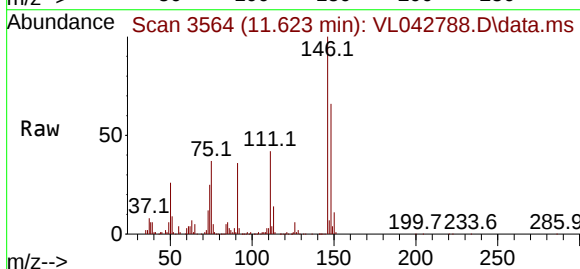
Tgt Ion: 91 Resp: 65004

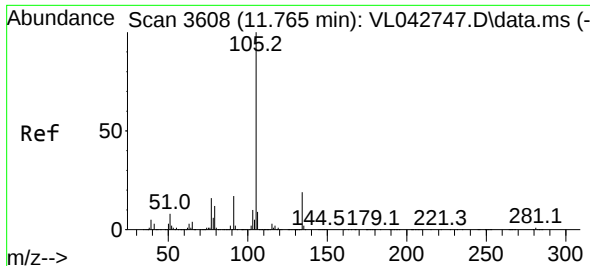
Ion Ratio Lower Upper

91 100

126 17.1 14.4 21.6

128 5.4 5.2 7.8

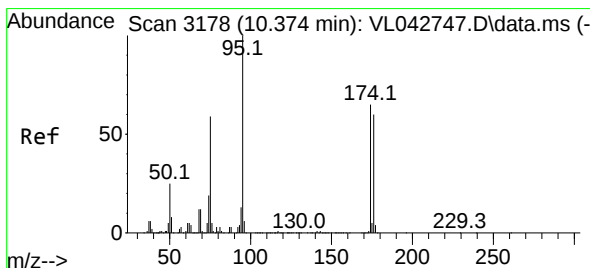
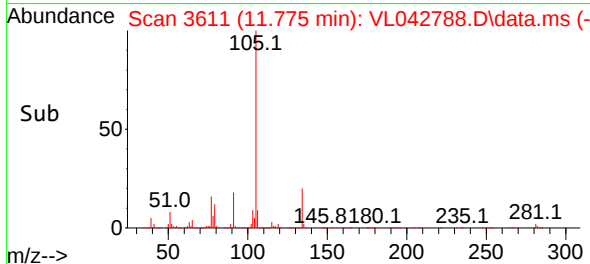
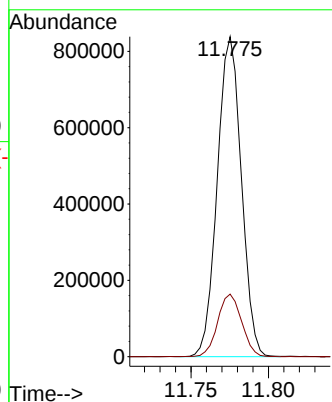
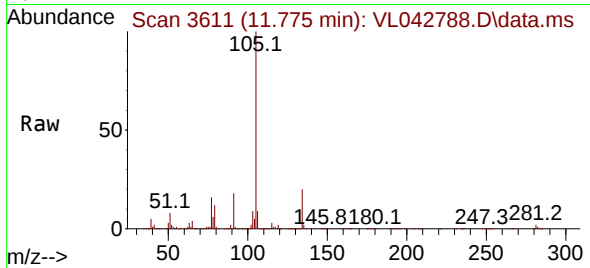




#67
 sec-Butylbenzene
 Concen: 11.144 ppbv
 RT: 11.775 min Scan# 3611
 Delta R.T. 0.010 min
 Lab File: VL042788.D
 Acq: 31 Jul 2025 08:37

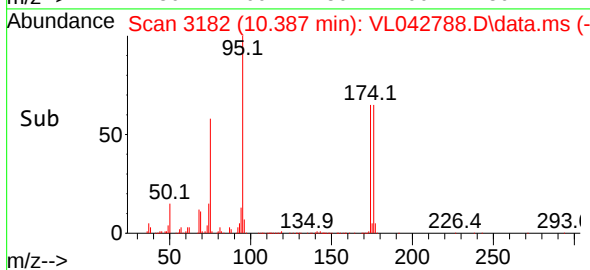
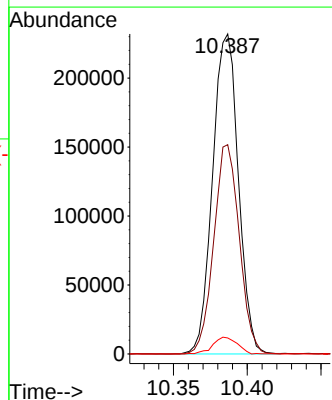
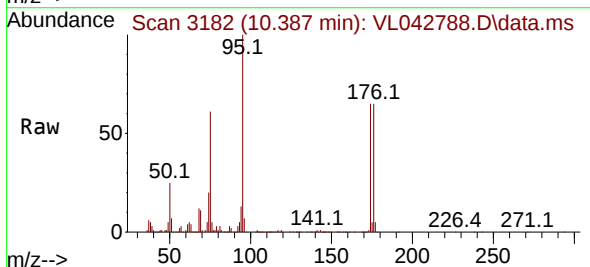
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDCCC010

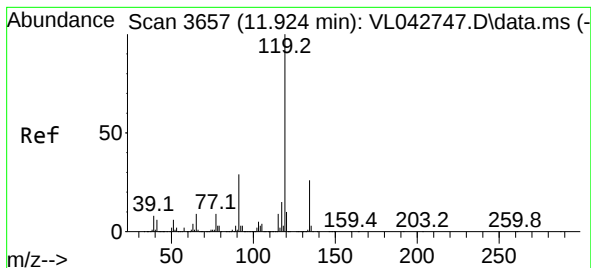
Tgt Ion:105 Resp: 905933
 Ion Ratio Lower Upper
 105 100
 134 19.5 15.5 23.3



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.295 ppbv
 RT: 10.387 min Scan# 3182
 Delta R.T. 0.013 min
 Lab File: VL042788.D
 Acq: 31 Jul 2025 08:37

Tgt Ion: 95 Resp: 282020
 Ion Ratio Lower Upper
 95 100
 174 65.0 53.8 80.6
 175 5.0 4.0 6.0





#69

p-Isopropyltoluene

Concen: 11.517 ppbv

RT: 11.931 min Scan# 3659

Delta R.T. 0.007 min

Lab File: VL042788.D

Acq: 31 Jul 2025 08:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

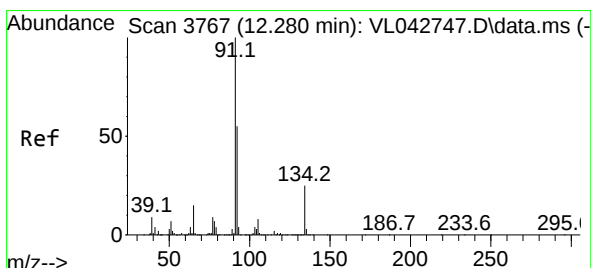
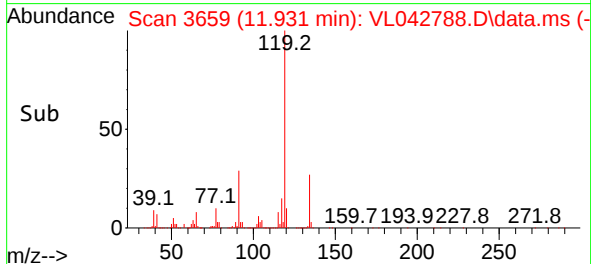
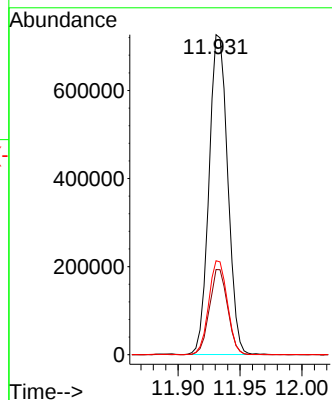
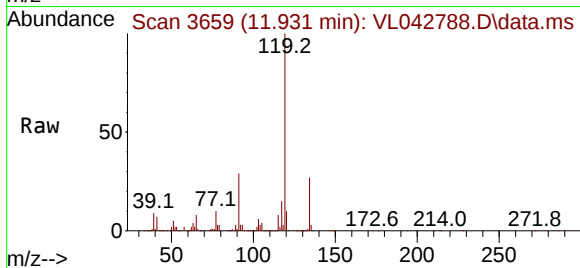
Tgt Ion:119 Resp: 763427

Ion Ratio Lower Upper

119 100

134 26.0 20.6 31.0

91 29.4 23.2 34.8



#70

n-Butylbenzene

Concen: 12.171 ppbv

RT: 12.287 min Scan# 3769

Delta R.T. 0.007 min

Lab File: VL042788.D

Acq: 31 Jul 2025 08:37

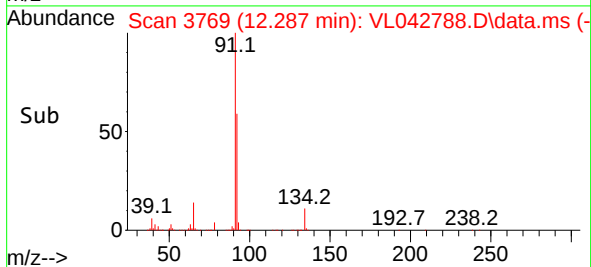
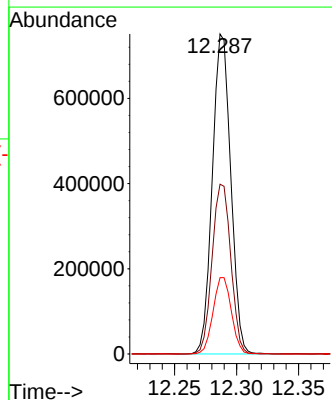
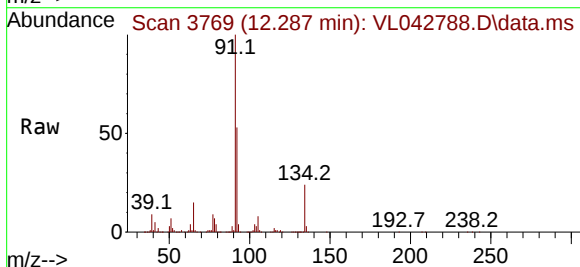
Tgt Ion: 91 Resp: 779301

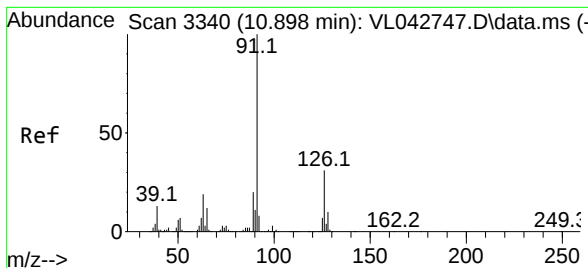
Ion Ratio Lower Upper

91 100

92 53.9 43.4 65.2

134 23.7 19.6 29.4

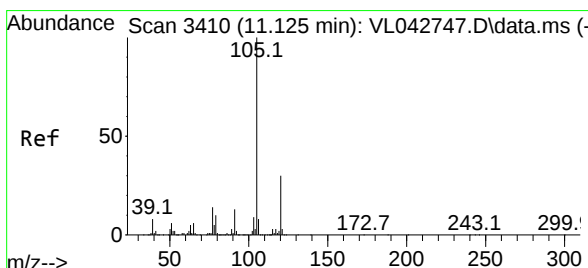
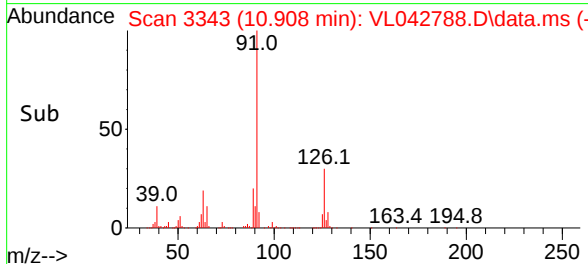
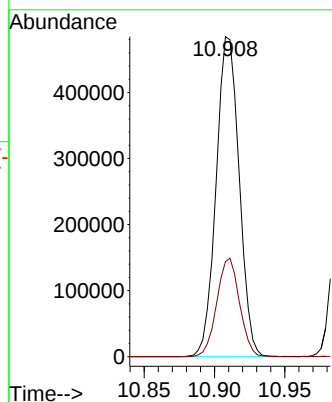
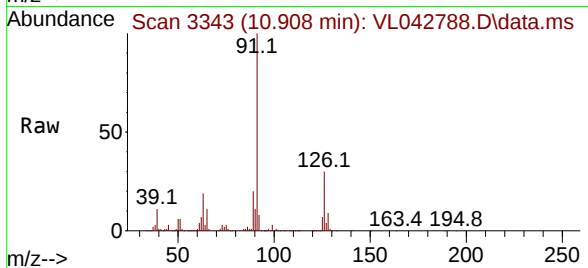




#71
2-Chlorotoluene
Concen: 11.203 ppbv
RT: 10.908 min Scan# 31
Delta R.T. 0.010 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

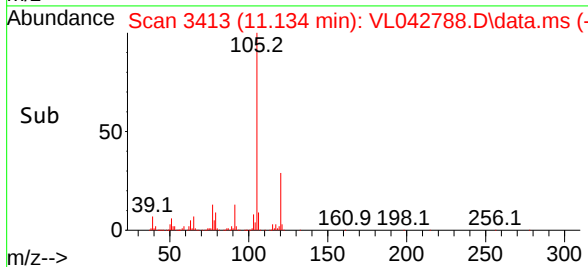
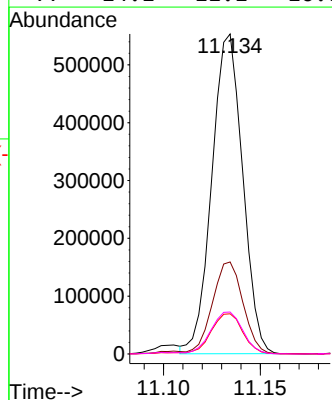
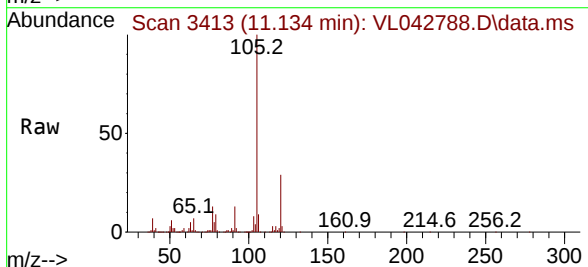
Instrument :
MSVOA_1
ClientSampleId :
VSTDCCC010

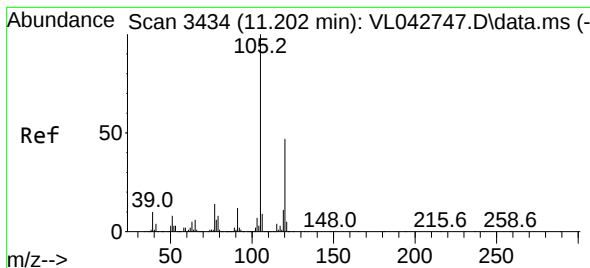
Tgt Ion: 91 Resp: 552725
Ion Ratio Lower Upper
91 100
126 30.3 12.0 48.2



#72
4-Ethyltoluene
Concen: 11.745 ppbv
RT: 11.134 min Scan# 3413
Delta R.T. 0.010 min
Lab File: VL042788.D
Acq: 31 Jul 2025 08:37

Tgt Ion:105 Resp: 611893
Ion Ratio Lower Upper
105 100
120 29.3 24.4 36.6
91 13.1 10.6 15.8
77 14.1 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 11.791 ppbv

RT: 11.212 min Scan# 3434

Delta R.T. 0.010 min

Lab File: VL042788.D

Acq: 31 Jul 2025 08:37

Instrument :

MSVOA_L

ClientSampleId :

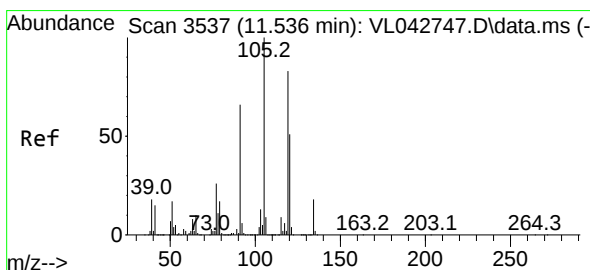
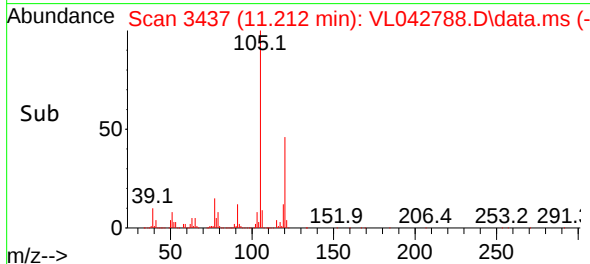
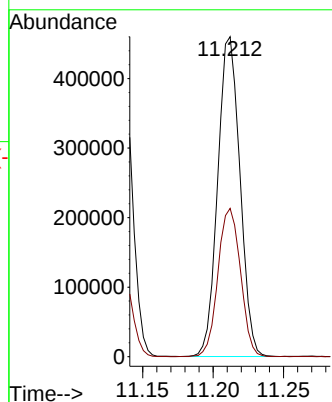
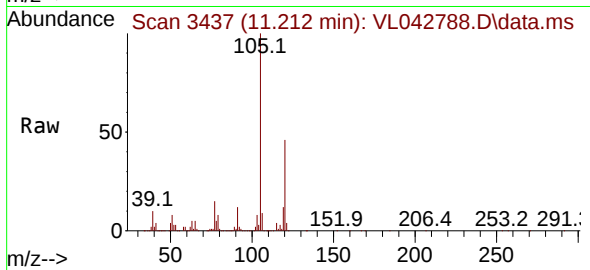
VSTDCCC010

Tgt Ion:105 Resp: 505734

Ion Ratio Lower Upper

105 100

120 46.3 37.8 56.8



#74

1,2,4-Trimethylbenzene

Concen: 12.030 ppbv

RT: 11.545 min Scan# 3540

Delta R.T. 0.010 min

Lab File: VL042788.D

Acq: 31 Jul 2025 08:37

Tgt Ion:105 Resp: 562952

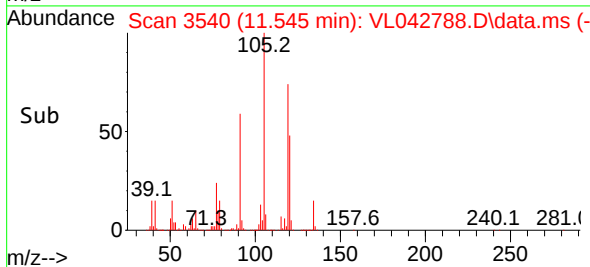
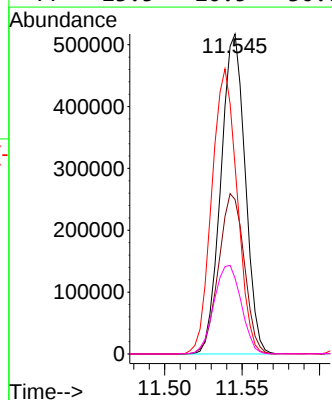
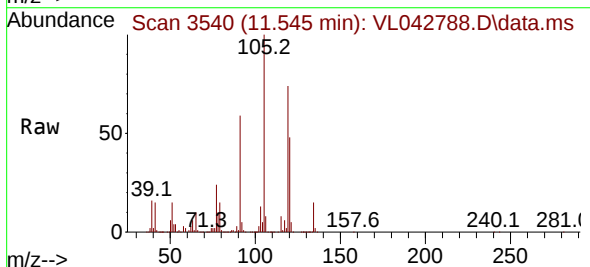
Ion Ratio Lower Upper

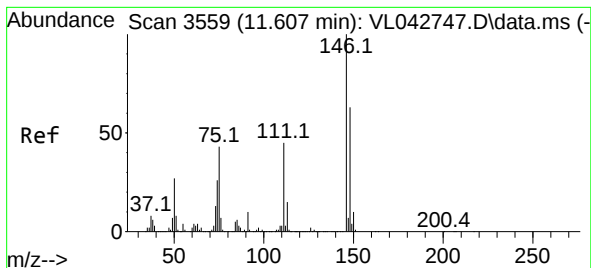
105 100

120 48.3 40.8 61.2

91 58.6 53.0 79.4

77 23.5 20.5 30.7





#75

1,3-Dichlorobenzene

Concen: 11.049 ppbv

RT: 11.613 min Scan# 3561

Delta R.T. 0.006 min

Lab File: VL042788.D

Acq: 31 Jul 2025 08:37

Instrument :

MSVOA_1

ClientSampleId :

VSTDCCC010

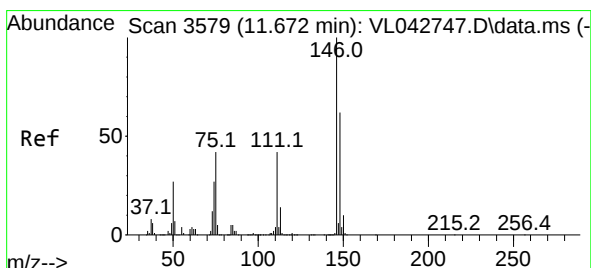
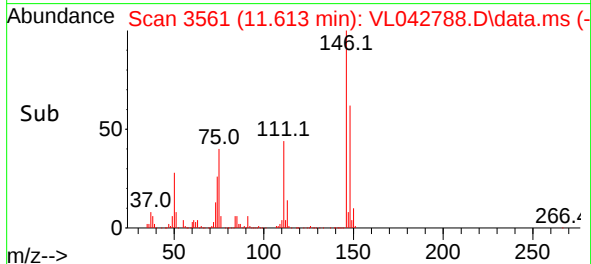
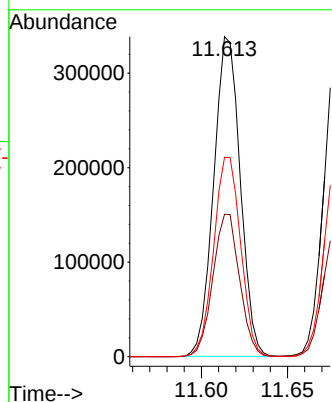
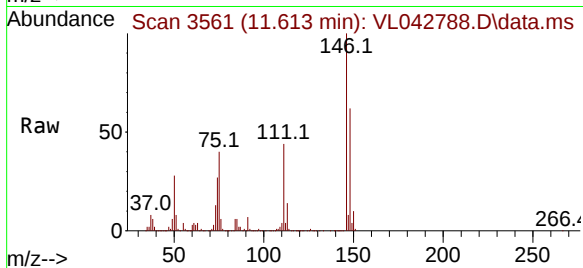
Tgt Ion:146 Resp: 362463

Ion Ratio Lower Upper

146 100

111 45.0 22.7 68.0

148 63.6 31.9 95.5



#76

1,4-Dichlorobenzene

Concen: 11.209 ppbv

RT: 11.678 min Scan# 3581

Delta R.T. 0.007 min

Lab File: VL042788.D

Acq: 31 Jul 2025 08:37

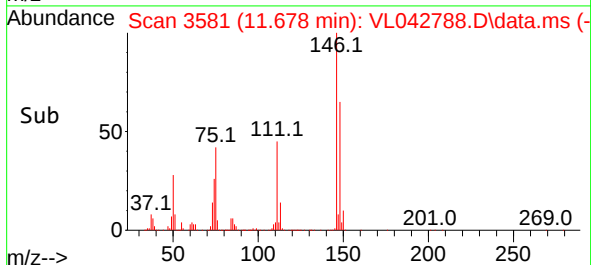
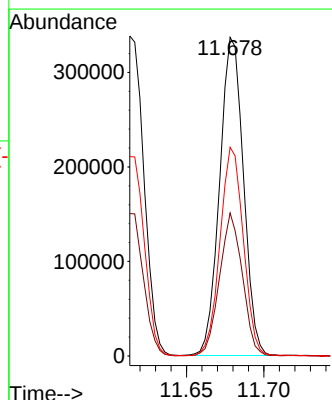
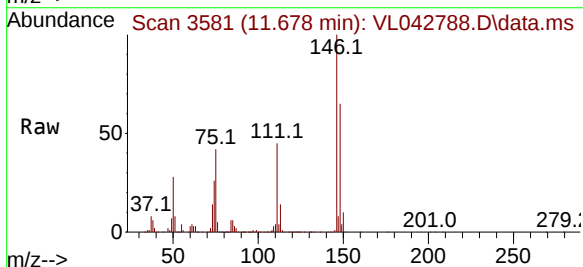
Tgt Ion:146 Resp: 359833

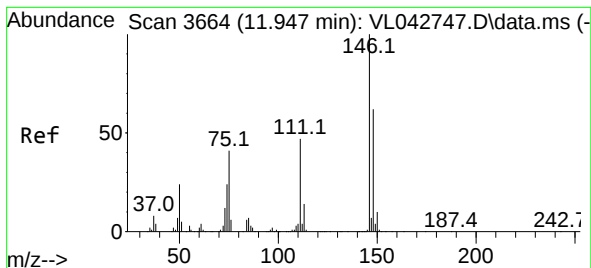
Ion Ratio Lower Upper

146 100

111 43.2 21.4 64.2

148 64.8 32.1 96.3





#77

1,2-Dichlorobenzene

Concen: 10.812 ppbv

RT: 11.953 min Scan# 3

Delta R.T. 0.006 min

Lab File: VL042788.D

Acq: 31 Jul 2025 08:37

Instrument :

MSVOA_1

ClientSampleId :

VSTDC010

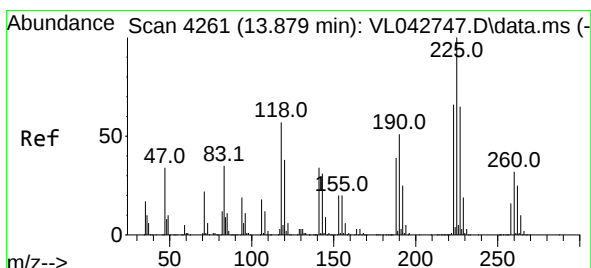
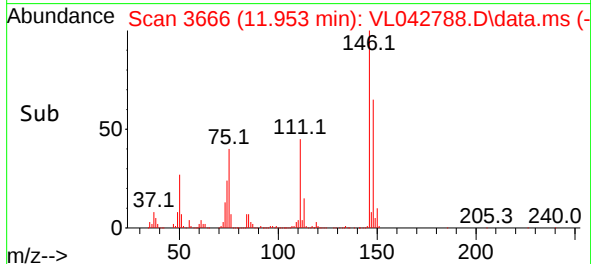
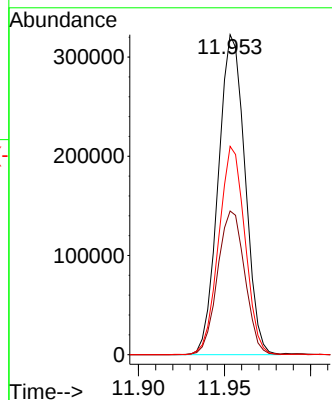
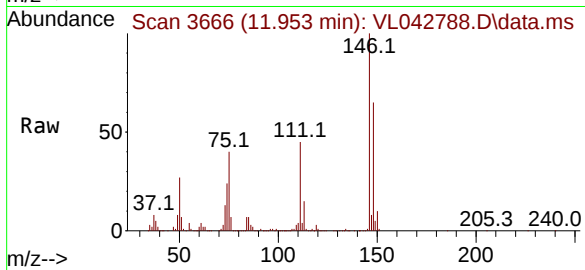
Tgt Ion:146 Resp: 348624

Ion Ratio Lower Upper

146 100

111 45.9 23.7 71.1

148 64.1 32.6 97.7



#78

Hexachloro-1,3-Butadiene

Concen: 9.673 ppbv

RT: 13.886 min Scan# 4263

Delta R.T. 0.007 min

Lab File: VL042788.D

Acq: 31 Jul 2025 08:37

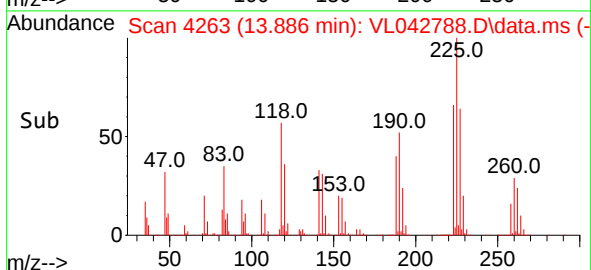
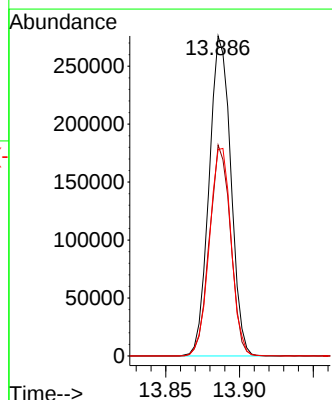
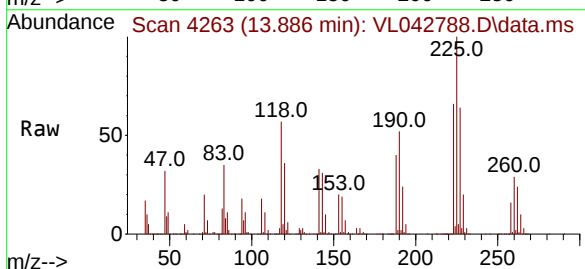
Tgt Ion:225 Resp: 282288

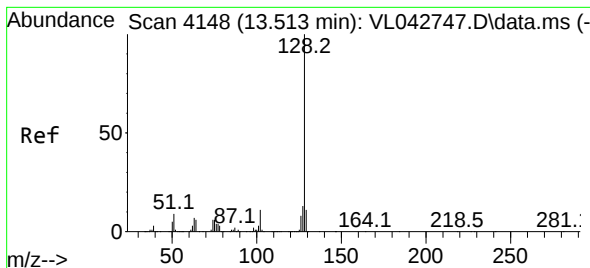
Ion Ratio Lower Upper

225 100

223 64.2 50.7 76.1

227 65.1 50.5 75.7





#79

Naphthalene

Concen: 11.014 ppbv

RT: 13.520 min Scan# 4148

Delta R.T. 0.007 min

Lab File: VL042788.D

Acq: 31 Jul 2025 08:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

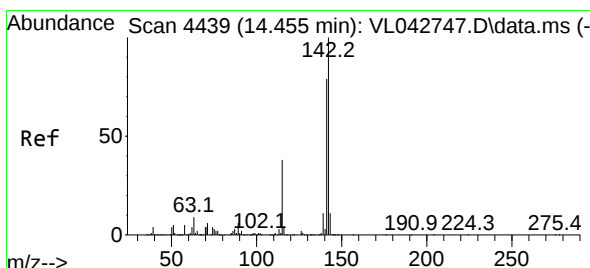
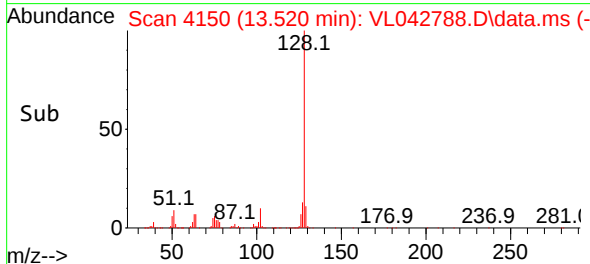
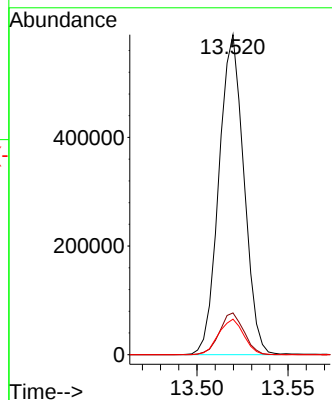
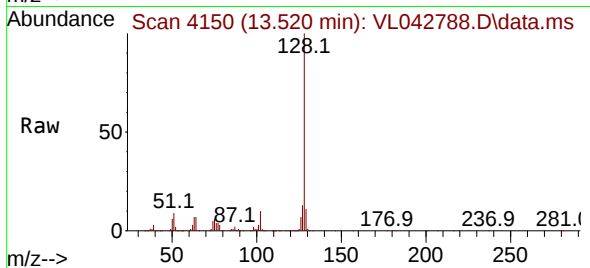
Tgt Ion:128 Resp: 561584

Ion Ratio Lower Upper

128 100

127 13.0 10.5 15.7

129 11.1 8.6 13.0



#80

Naphthalene,2-methyl-

Concen: 9.837 ppbv

RT: 14.462 min Scan# 4441

Delta R.T. 0.006 min

Lab File: VL042788.D

Acq: 31 Jul 2025 08:37

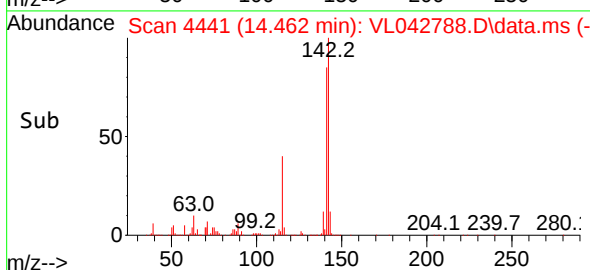
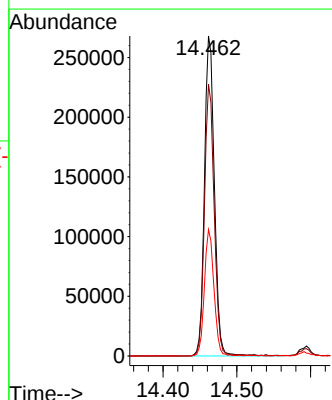
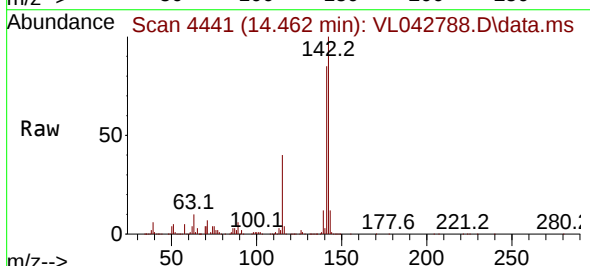
Tgt Ion:142 Resp: 249243

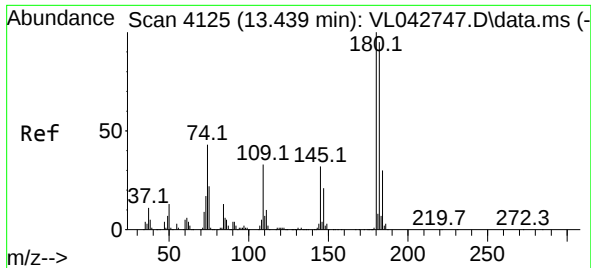
Ion Ratio Lower Upper

142 100

141 83.7 65.8 98.8

115 38.5 31.2 46.8





#81

1,2,4-Trichlorobenzene

Concen: 10.987 ppbv

RT: 13.445 min Scan# 41

Delta R.T. 0.007 min

Lab File: VL042788.D

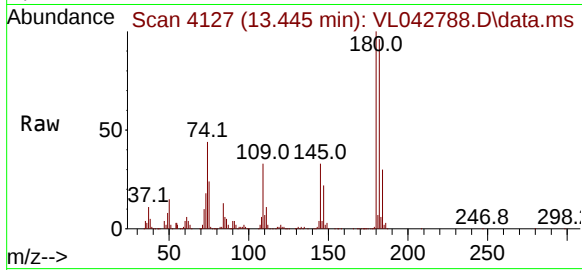
Acq: 31 Jul 2025 08:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010



Tgt Ion:180 Resp: 314832

Ion Ratio Lower Upper

180 100

182 94.7 76.2 114.2

184 29.7 24.8 37.2

