

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL070225\
 Data File : VL042692.D
 Acq On : 02 Jul 2025 10:01
 Operator : SY/MD
 Sample : VSTDICC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.5

Quant Time: Jul 03 01:27:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL070225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Jul 03 01:24:10 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.793	49	120056	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	305088	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.891	117	264493	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.383	95	204100	10.032	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.300%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	6761	0.538	ppbv	93
3) Chlorodifluoromethane	1.479	51	9970	0.531	ppbv	100
4) Chloromethane	1.534	50	2488	0.505	ppbv	94
5) Vinyl Chloride	1.583	62	2367	0.478	ppbv	97
6) Bromomethane	1.670	94	1373	0.620	ppbv	87
7) Chloroethane	1.709	64	1065	0.560	ppbv	90
8) Dichlorotetrafluoroethane	1.557	85	6025	0.579	ppbv	94
9) Propene	1.486	41	3647	0.519	ppbv	100
10) Heptane	4.988	43	4799	0.251	ppbv #	33
11) Trichlorofluoromethane	1.881	101	6942	0.524	ppbv	97
12) 1,1,2-Trichlorotrifluo...	2.143	101	5694	0.543	ppbv	98
13) Ethanol	1.725	45	413	0.618	ppbv #	37
14) Bromoethene	1.784	108	1985	0.543	ppbv #	89
15) Acetone	1.839	43	7388	0.620	ppbv	95
16) 1,3-Butadiene	1.609	39	3229	0.588	ppbv	93
17) tert-Butyl alcohol	2.046	59	6335	0.545	ppbv	94
18) 1,1-Dichloroethene	2.036	96	2642	0.567	ppbv #	91
19) Isopropyl Alcohol	1.890	45	3920	0.573	ppbv #	1
20) Methylene Chloride	2.065	84	3034	0.666	ppbv	95
21) Allyl Chloride	2.098	41	4410	0.531	ppbv	90
22) trans-1,2-Dichloroethene	2.725	96	3297	0.649	ppbv	93
23) Vinyl Acetate	2.463	43	8636	0.448	ppbv #	90
24) 1,1-Dichloroethane	2.415	63	5666	0.540	ppbv #	95
25) Ethyl Acetate	2.845	43	17395	0.483	ppbv	99
26) Hexane	2.832	57	6861	0.457	ppbv	90
27) Carbon Disulfide	2.153	76	6363	0.519	ppbv #	30
28) Methyl tert-Butyl Ether	2.444	73	2957	0.481	ppbv #	89
29) Chloroform	2.855	83	11910	0.525	ppbv	97
30) Cyclohexane	3.871	84	2813	0.248	ppbv #	1
31) cis-1,2-Dichloroethene	2.725	61	6768	0.473	ppbv	89
32) 1,1,1-Trichloroethane	3.373	97	10729	0.495	ppbv	96
34) 2-Butanone	2.567	43	11862	0.491	ppbv	98
35) Carbon Tetrachloride	3.768	117	10262	0.485	ppbv #	86
36) Benzene	3.661	78	15039	0.489	ppbv	97
37) 1,2-Dichloroethane	3.224	62	8660	0.530	ppbv	99
38) Trichloroethene	4.561	130	6153	0.463	ppbv	94
39) 1,2-Dichloropropane	4.318	63	3587	0.299	ppbv #	80
40) 1,4-Dioxane	4.609	88	1400	0.304	ppbv #	20
41) Tetrahydrofuran	3.069	42	5513	0.448	ppbv	98
42) Bromodichloromethane	4.496	83	8207	0.355	ppbv	90
43) Methyl Methacrylate	4.891	69	875	0.089	ppbv #	1
44) 2,2,4-Trimethylpentane	4.645	57	11244	0.219	ppbv #	36
45) t-1,3-Dichloropropene	6.428	75	1298	0.125	ppbv	94

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Quant Time: Jul 03 01:27:32 2025
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Jul 03 01:24:10 2025
 Response via : Initial Calibration

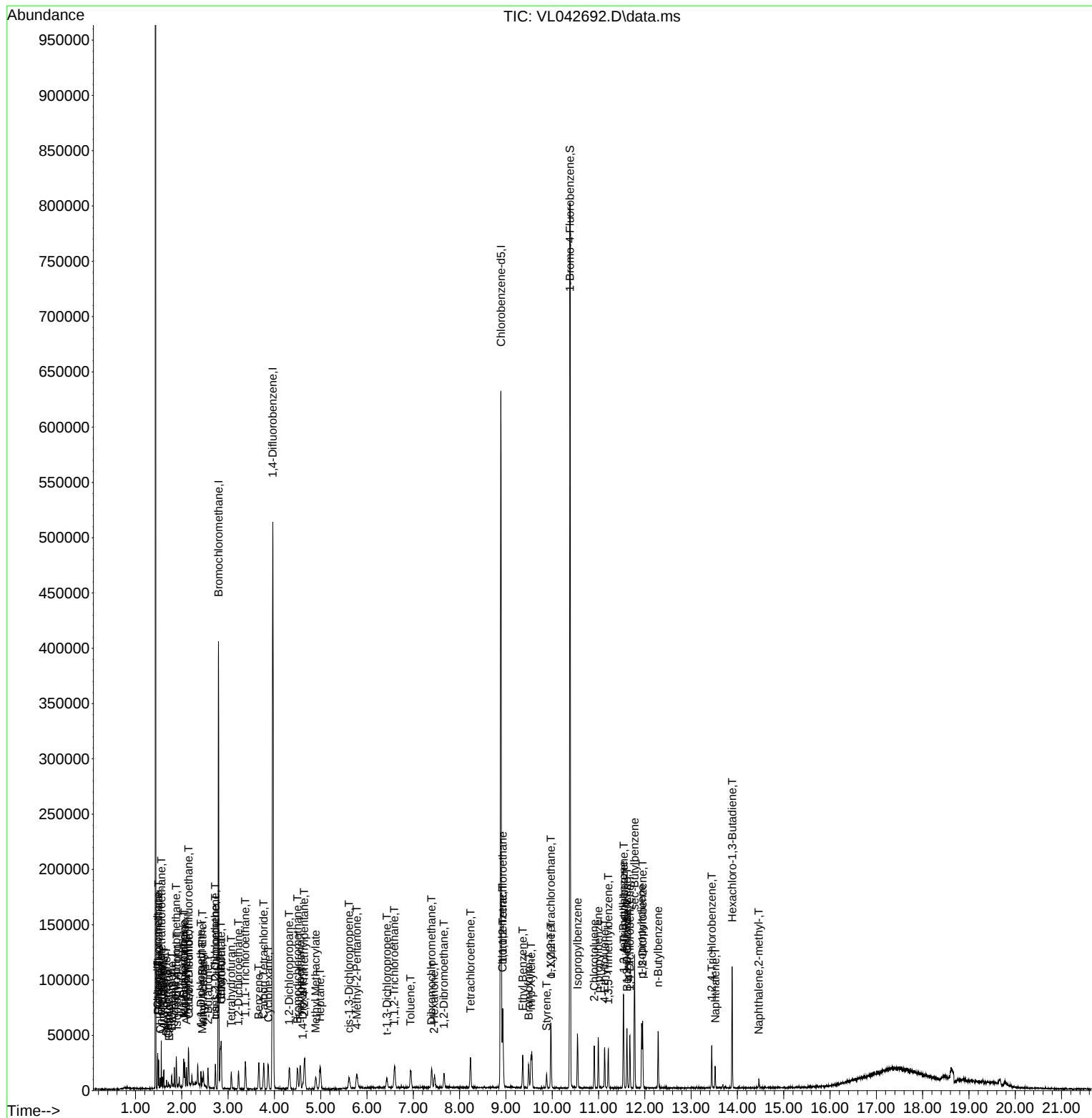
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.609	75	2365	0.165	ppbv #	76
47) 1,1,2-Trichloroethane	6.587	97	3368	0.285	ppbv #	86
48) Dibromochloromethane	7.393	129	8686	0.480	ppbv	93
49) Bromoform	9.490	173	7390	0.473	ppbv	97
50) 4-Methyl-2-Pentanone	5.778	43	11052	0.392	ppbv	98
51) 2-Hexanone	7.448	43	3115	0.151	ppbv #	30
52) Tetrachloroethene	8.234	164	3930	0.381	ppbv #	81
53) Toluene	6.940	91	11461	0.399	ppbv	100
54) 1,2-Dibromoethane	7.661	107	8096	0.491	ppbv	97
56) 1,1,1,2-Tetrachloroethane	8.930	131	7670	0.536	ppbv #	1
57) Chlorobenzene	8.927	112	13987	0.527	ppbv	90
58) Ethyl Benzene	9.364	91	15248	0.399	ppbv	97
59) m/p-Xylene	9.542	91	12131	0.378	ppbv #	30
60) o-Xylene	9.969	91	11759	0.373	ppbv	100
61) Styrene	9.875	104	4504	0.364	ppbv	99
62) Isopropylbenzene	10.545	105	20205	0.425	ppbv	98
63) 1,1,2,2-Tetrachloroethane	9.969	83	12230	0.504	ppbv	97
64) n-propylbenzene	10.995	120	4354	0.358	ppbv	79
65) tert-Butylbenzene	11.536	119	15561	0.382	ppbv	98
66) Benzyl Chloride	11.617	91	1543	0.391	ppbv #	83
67) sec-Butylbenzene	11.778	105	26399	0.423	ppbv	98
69) p-Isopropyltoluene	11.930	119	19758	0.398	ppbv	98
70) n-Butylbenzene	12.287	91	18308	0.366	ppbv	93
71) 2-Chlorotoluene	10.908	91	14226	0.404	ppbv	99
72) 4-Ethyltoluene	11.131	105	14541	0.378	ppbv	98
73) 1,3,5-Trimethylbenzene	11.212	105	12371	0.382	ppbv	94
74) 1,2,4-Trimethylbenzene	11.545	105	14096	0.381	ppbv #	83
75) 1,3-Dichlorobenzene	11.613	146	12551	0.484	ppbv	96
76) 1,4-Dichlorobenzene	11.678	146	11188	0.454	ppbv	96
77) 1,2-Dichlorobenzene	11.953	146	13512	0.515	ppbv	97
78) Hexachloro-1,3-Butadiene	13.885	225	11034	0.540	ppbv	97
79) Naphthalene	13.520	128	8668	0.283	ppbv #	94
80) Naphthalene,2-methyl-	14.462	142	2536	0.198	ppbv	85
81) 1,2,4-Trichlorobenzene	13.445	180	5818	0.323	ppbv	94

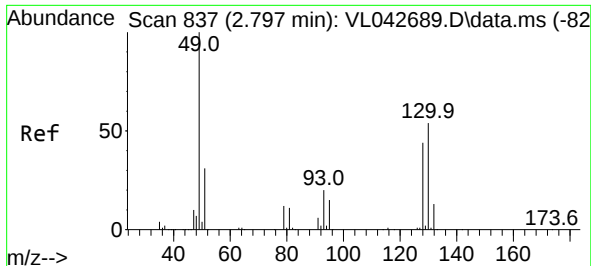
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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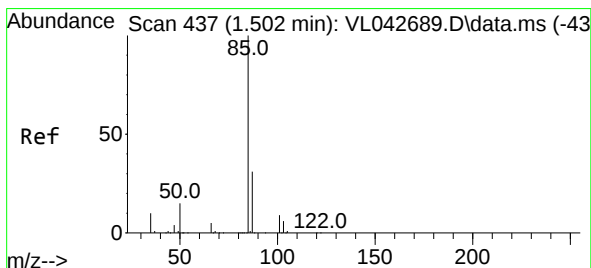
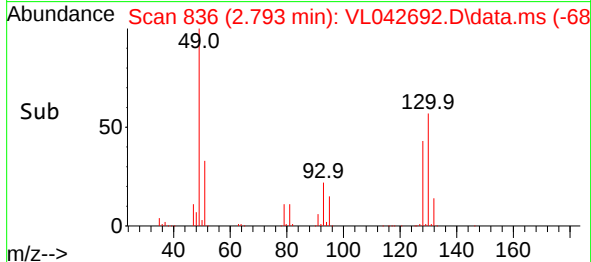
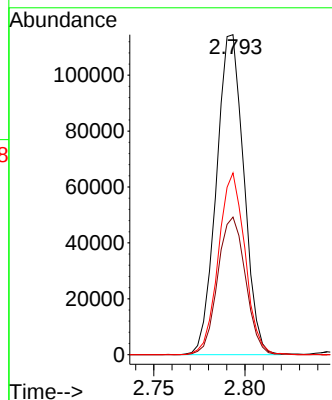
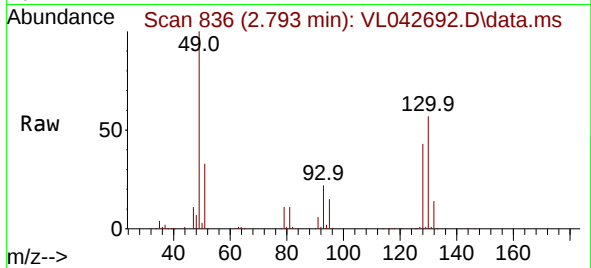




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.793 min Scan# 81
Delta R.T. -0.004 min
Lab File: VL042692.D
Acq: 02 Jul 2025 10:01

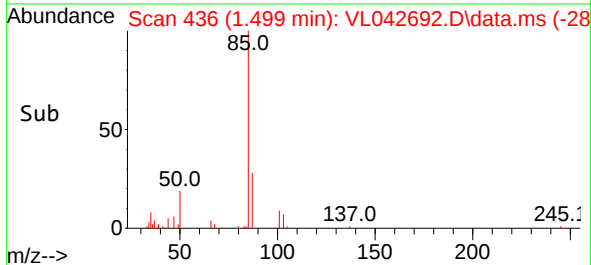
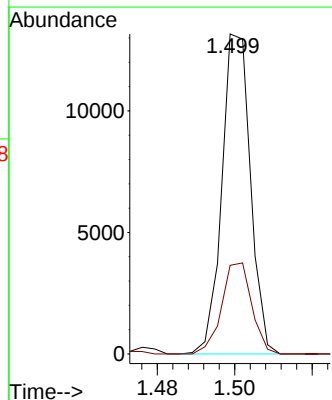
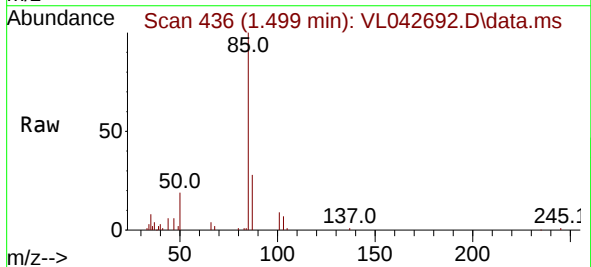
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

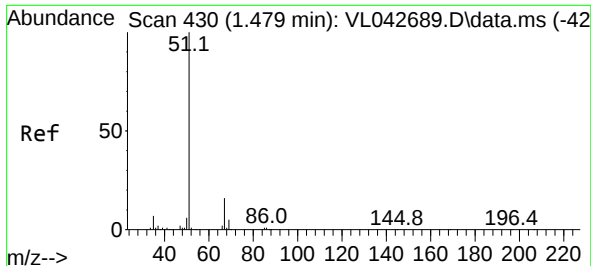
Tgt Ion: 49 Resp: 120056
Ion Ratio Lower Upper
49 100
128 43.5 21.4 64.2
130 55.0 28.0 84.0



#2
Dichlorodifluoromethane
Concen: 0.538 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.003 min
Lab File: VL042692.D
Acq: 02 Jul 2025 10:01

Tgt Ion: 85 Resp: 6761
Ion Ratio Lower Upper
85 100
87 27.7 25.1 37.7

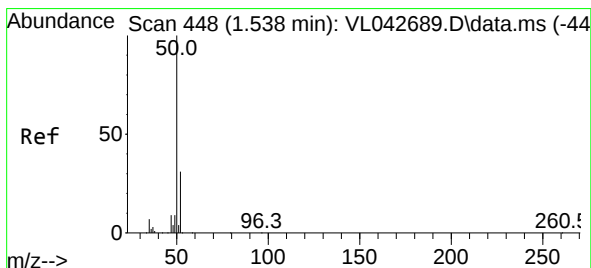
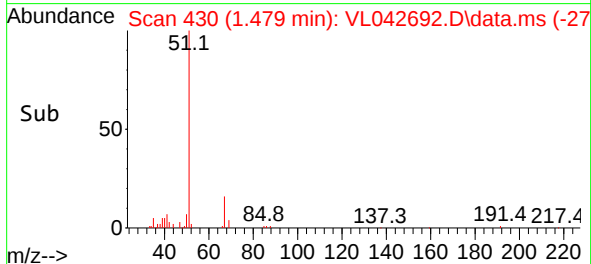
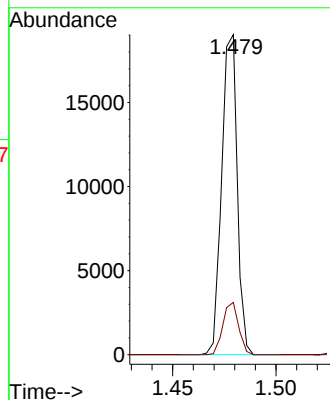
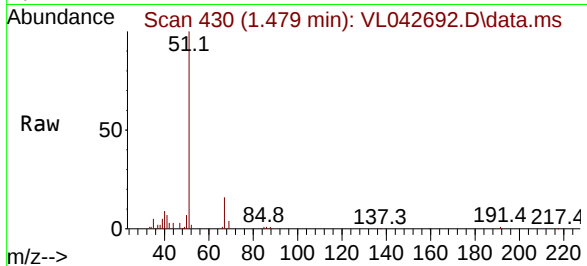




#3
Chlorodifluoromethane
Concen: 0.531 ppbv
RT: 1.479 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL042692.D
Acq: 02 Jul 2025 10:01

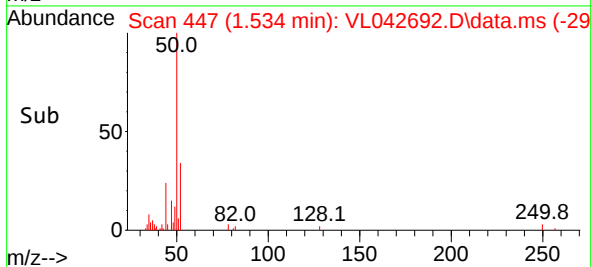
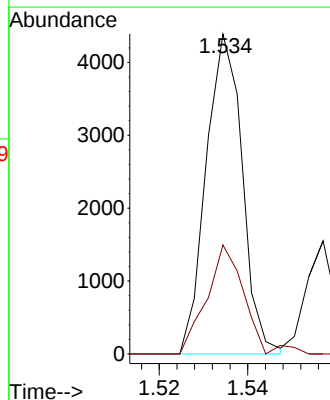
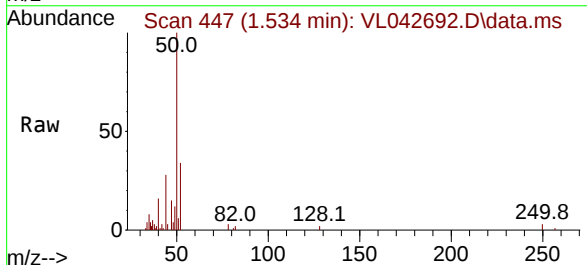
Instrument :
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ClientSampleId :
VSTDIC0.5

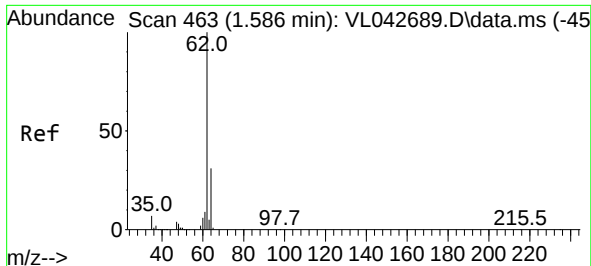
Tgt Ion: 51 Resp: 9970
Ion Ratio Lower Upper
51 100
67 16.5 13.1 19.7



#4
Chloromethane
Concen: 0.505 ppbv
RT: 1.534 min Scan# 447
Delta R.T. -0.003 min
Lab File: VL042692.D
Acq: 02 Jul 2025 10:01

Tgt Ion: 50 Resp: 2488
Ion Ratio Lower Upper
50 100
52 34.1 24.8 37.2

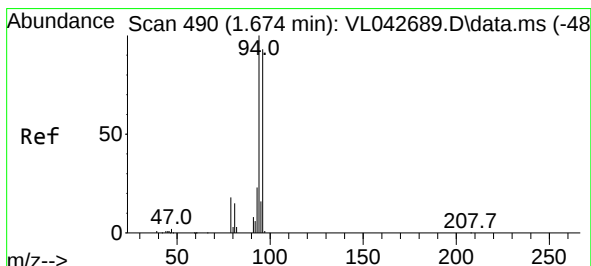
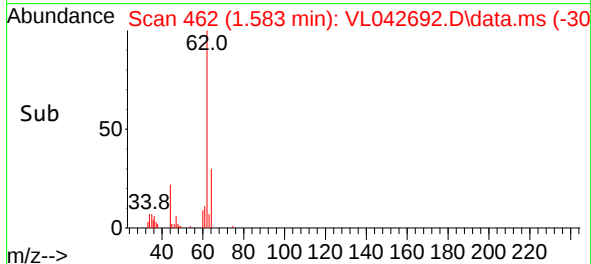
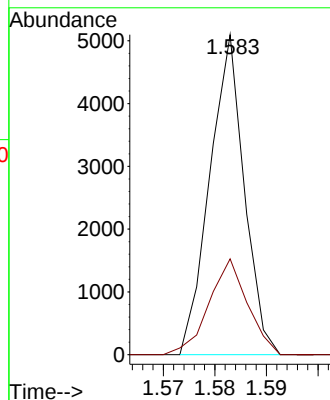
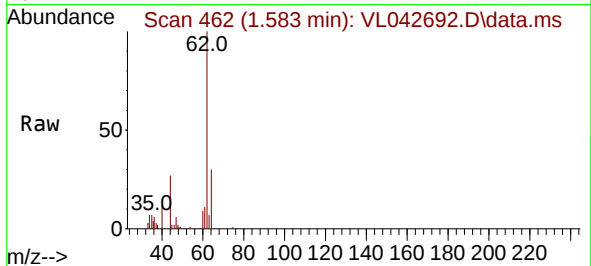




#5
 Vinyl Chloride
 Concen: 0.478 ppbv
 RT: 1.583 min Scan# 462
 Delta R.T. -0.003 min
 Lab File: VL042692.D
 Acq: 02 Jul 2025 10:01

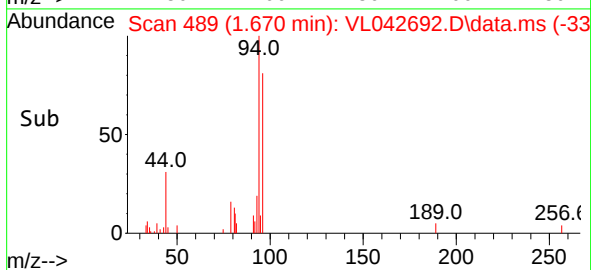
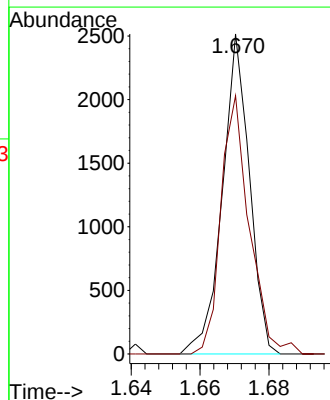
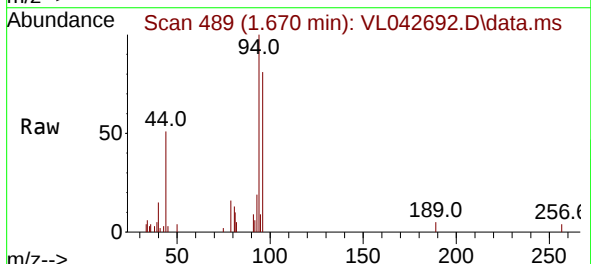
Instrument :
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 ClientSampleId :
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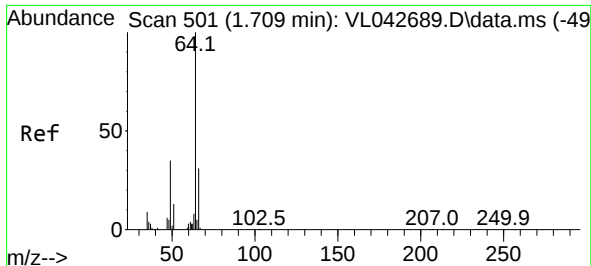
Tgt Ion: 62 Resp: 2367
 Ion Ratio Lower Upper
 62 100
 64 30.0 25.1 37.7



#6
 Bromomethane
 Concen: 0.620 ppbv
 RT: 1.670 min Scan# 489
 Delta R.T. -0.003 min
 Lab File: VL042692.D
 Acq: 02 Jul 2025 10:01

Tgt Ion: 94 Resp: 1373
 Ion Ratio Lower Upper
 94 100
 96 80.7 74.6 112.0

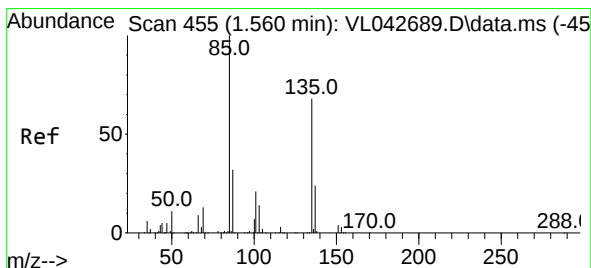
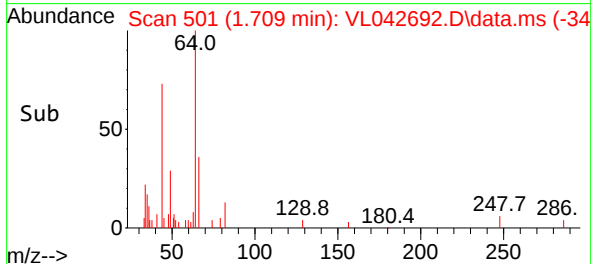
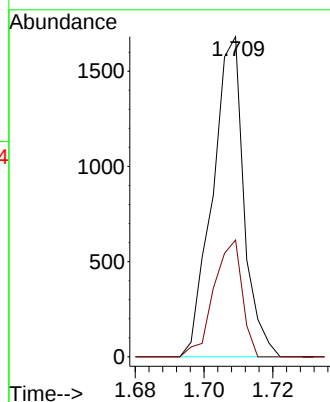
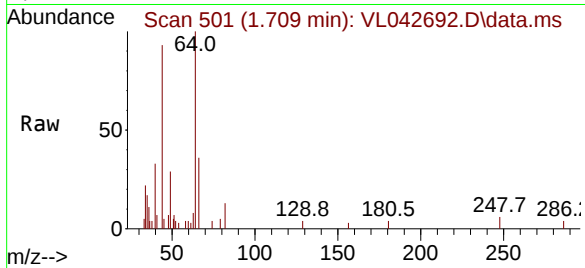




#7
Chloroethane
Concen: 0.560 ppbv
RT: 1.709 min Scan# 501
Delta R.T. -0.000 min
Lab File: VL042692.D
Acq: 02 Jul 2025 10:01

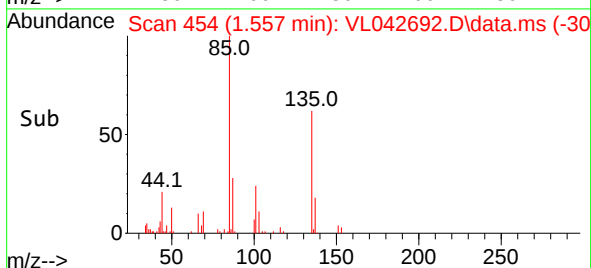
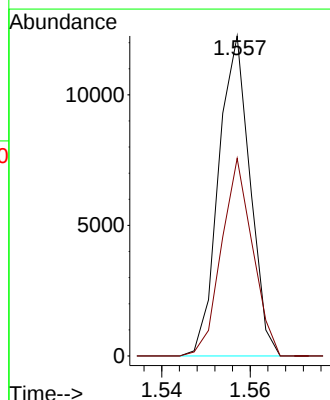
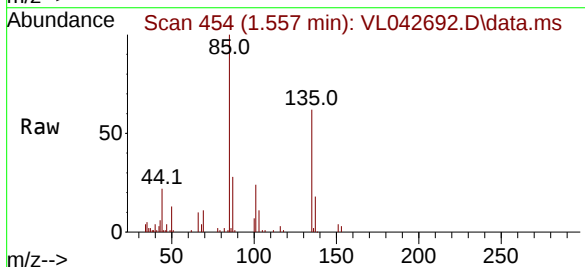
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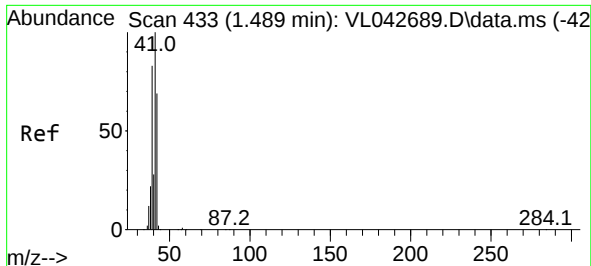
Tgt Ion: 64 Resp: 1065
Ion Ratio Lower Upper
64 100
66 36.4 24.7 37.1



#8
Dichlorotetrafluoroethane
Concen: 0.579 ppbv
RT: 1.557 min Scan# 454
Delta R.T. -0.003 min
Lab File: VL042692.D
Acq: 02 Jul 2025 10:01

Tgt Ion: 85 Resp: 6025
Ion Ratio Lower Upper
85 100
135 61.3 52.6 79.0

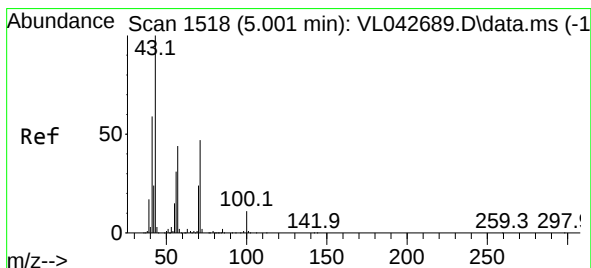
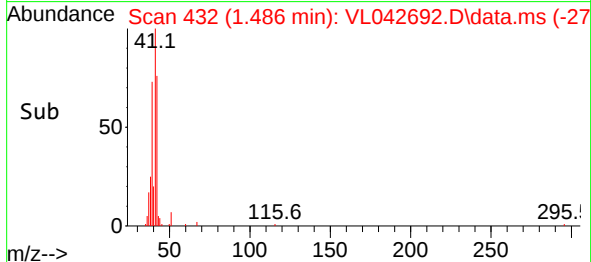
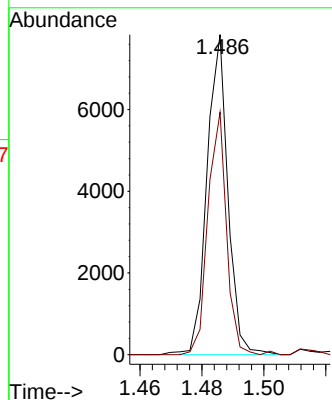
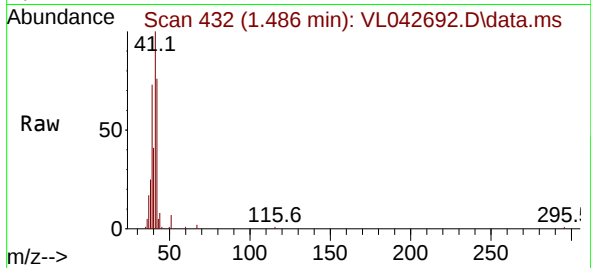




#9
 Propene
 Concen: 0.519 ppbv
 RT: 1.486 min Scan# 41
 Delta R.T. -0.003 min
 Lab File: VL042692.D
 Acq: 02 Jul 2025 10:01

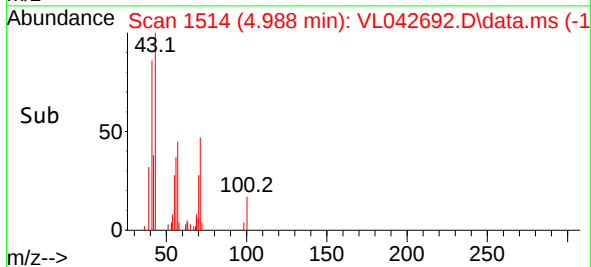
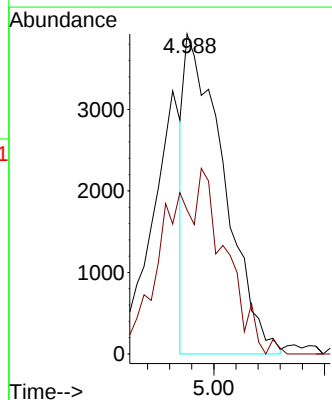
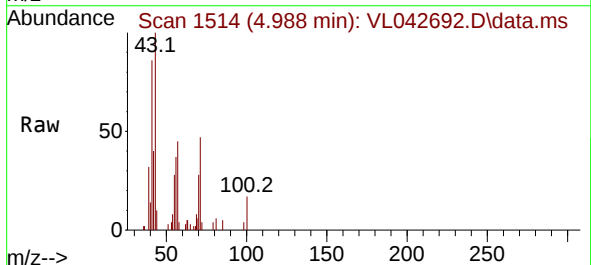
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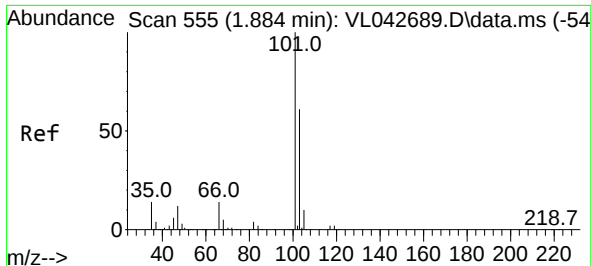
Tgt Ion: 41 Resp: 3647
 Ion Ratio Lower Upper
 41 100
 42 69.6 55.6 83.4



#10
 Heptane
 Concen: 0.251 ppbv
 RT: 4.988 min Scan# 1514
 Delta R.T. -0.013 min
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Tgt Ion: 43 Resp: 4799
 Ion Ratio Lower Upper
 43 100
 57 91.5 37.4 56.0#

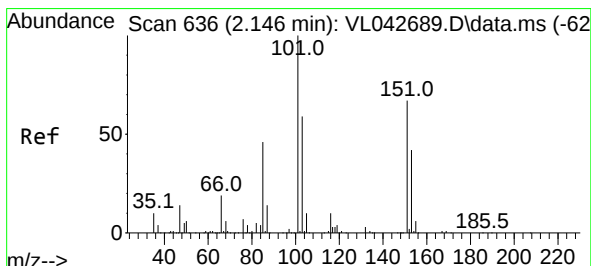
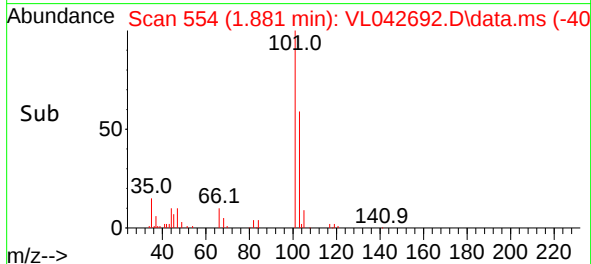
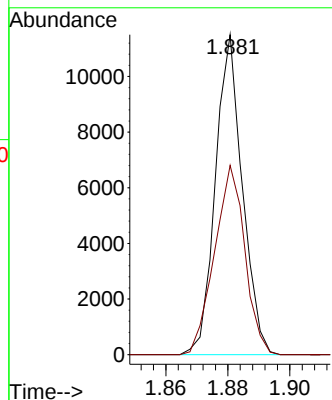
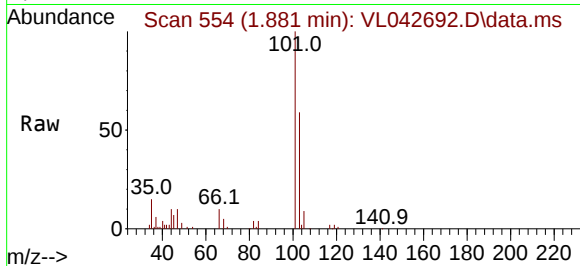




#11
 Trichlorofluoromethane
 Concen: 0.524 ppbv
 RT: 1.881 min Scan# 51
 Delta R.T. -0.003 min
 Lab File: VL042692.D
 Acq: 02 Jul 2025 10:01

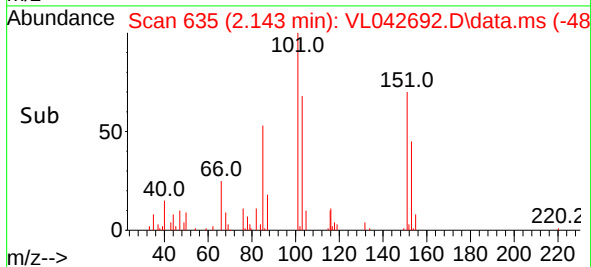
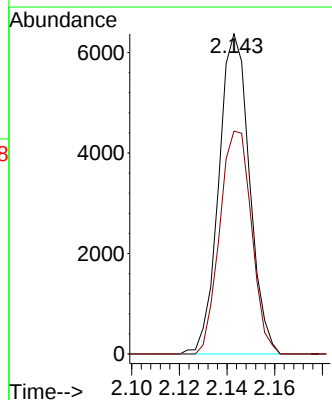
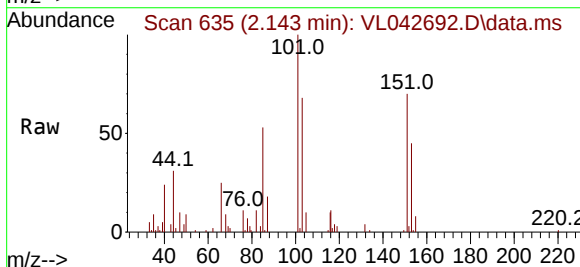
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

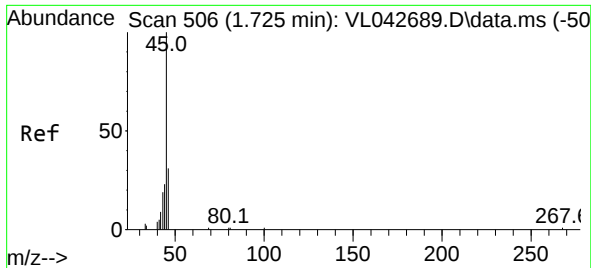
Tgt Ion:101 Resp: 6942
 Ion Ratio Lower Upper
 101 100
 103 59.1 48.9 73.3



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.543 ppbv
 RT: 2.143 min Scan# 635
 Delta R.T. -0.003 min
 Lab File: VL042692.D
 Acq: 02 Jul 2025 10:01

Tgt Ion:101 Resp: 5694
 Ion Ratio Lower Upper
 101 100
 151 72.2 56.6 84.8

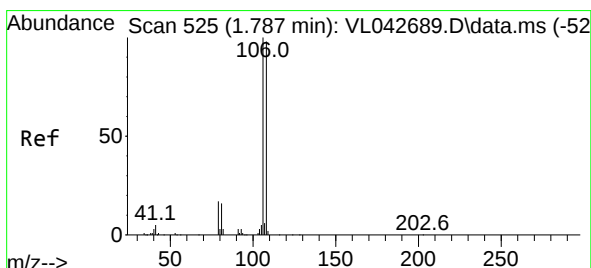
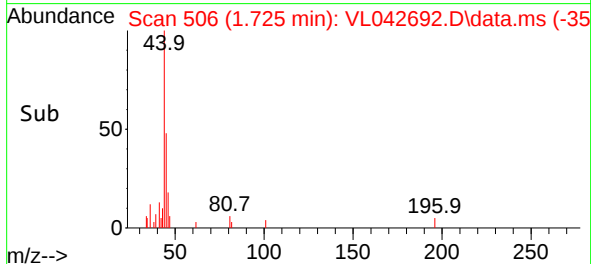
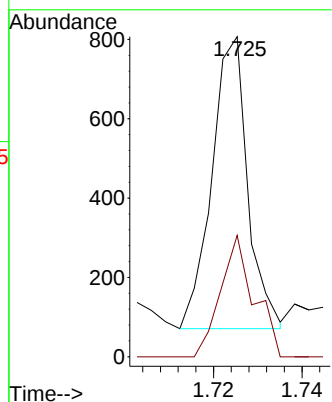
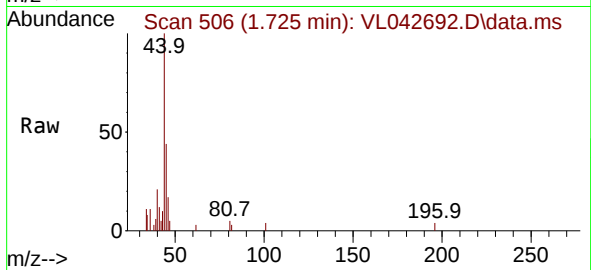




#13
Ethanol
Concen: 0.618 ppbv
RT: 1.725 min Scan# 506
Delta R.T. -0.000 min
Lab File: VL042692.D
Acq: 02 Jul 2025 10:01

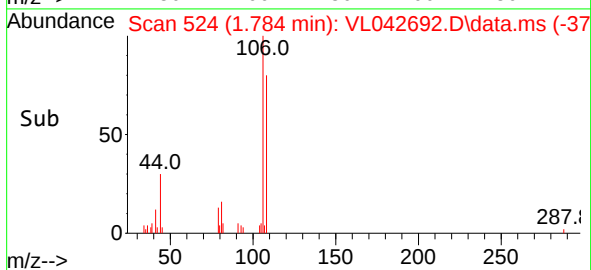
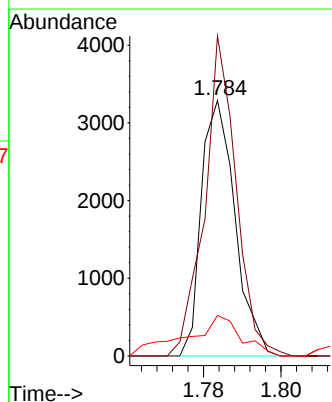
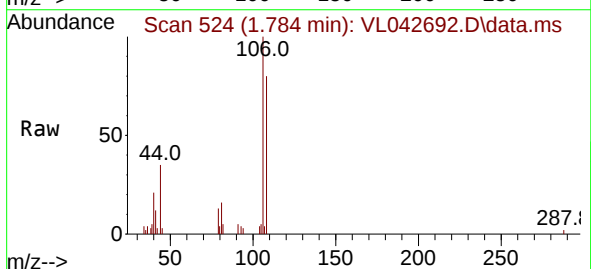
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

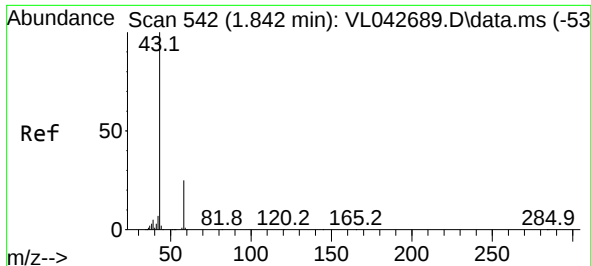
Tgt Ion: 45 Resp: 413
Ion Ratio Lower Upper
45 100
46 0.0 15.2 60.8#



#14
Bromoethene
Concen: 0.543 ppbv
RT: 1.784 min Scan# 524
Delta R.T. -0.003 min
Lab File: VL042692.D
Acq: 02 Jul 2025 10:01

Tgt Ion: 108 Resp: 1985
Ion Ratio Lower Upper
108 100
106 117.2 85.9 128.9
79 28.0 14.5 21.7#

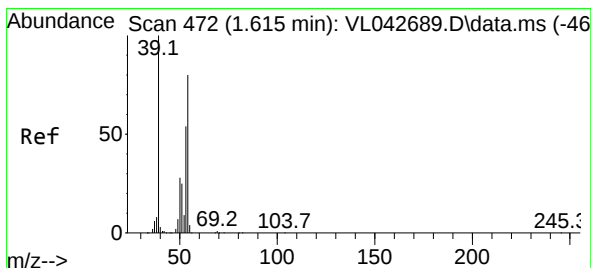
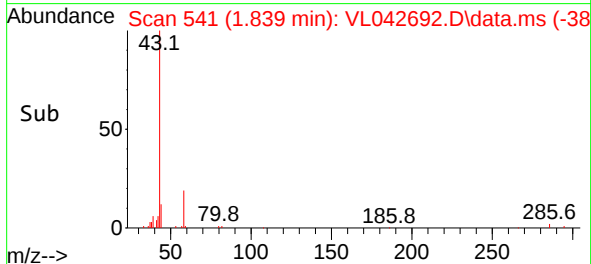
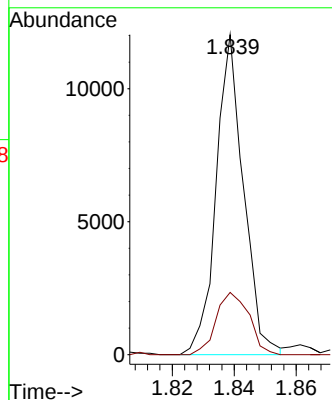
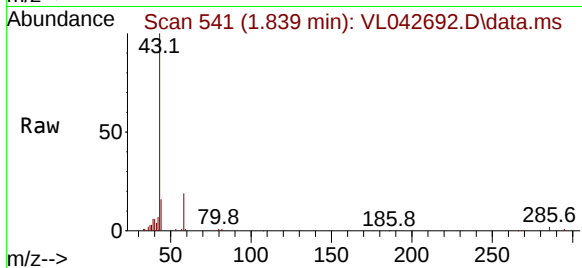




#15
Acetone
Concen: 0.620 ppbv
RT: 1.839 min Scan# 54
Delta R.T. -0.003 min
Lab File: VL042692.D
Acq: 02 Jul 2025 10:01

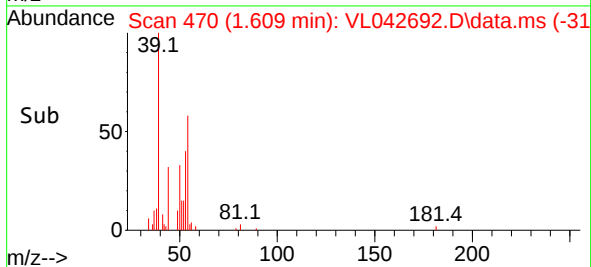
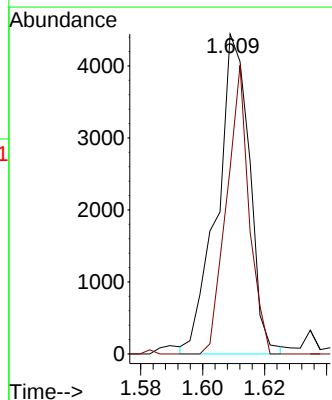
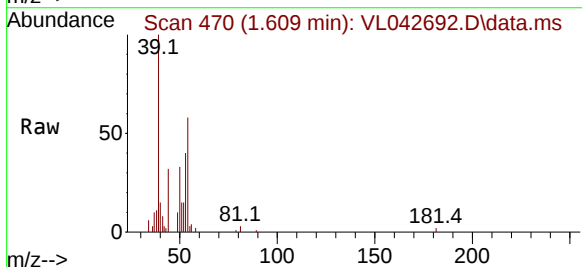
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

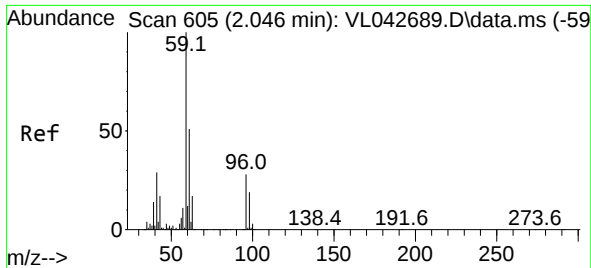
Tgt Ion: 43 Resp: 7388
Ion Ratio Lower Upper
43 100
58 23.4 20.6 31.0



#16
1,3-Butadiene
Concen: 0.588 ppbv
RT: 1.609 min Scan# 470
Delta R.T. -0.007 min
Lab File: VL042692.D
Acq: 02 Jul 2025 10:01

Tgt Ion: 39 Resp: 3229
Ion Ratio Lower Upper
39 100
54 62.6 54.9 82.3

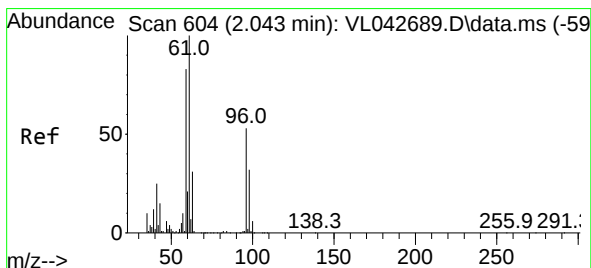
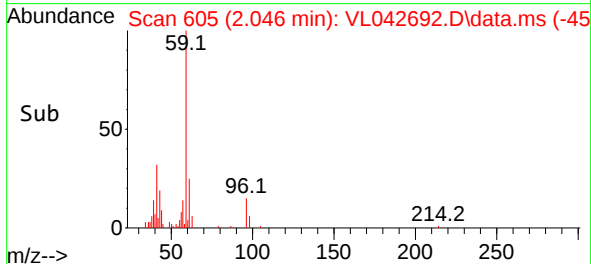
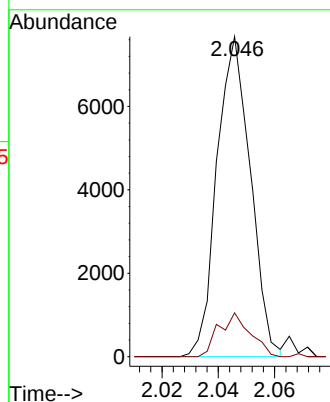
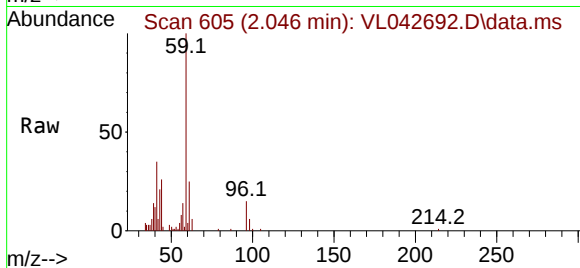




#17
tert-Butyl alcohol
Concen: 0.545 ppbv
RT: 2.046 min Scan# 605
Delta R.T. -0.000 min
Lab File: VL042692.D
Acq: 02 Jul 2025 10:01

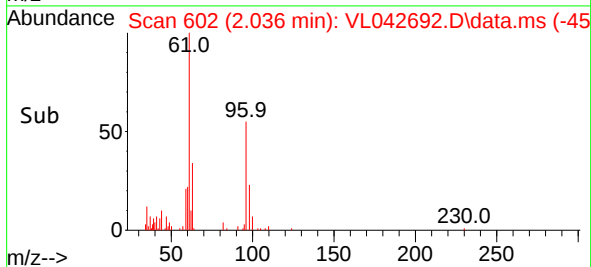
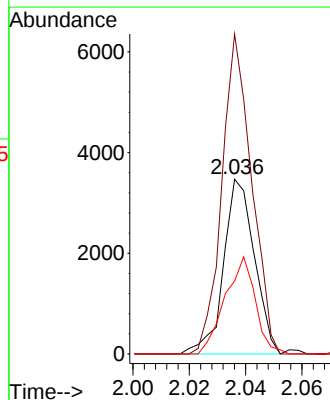
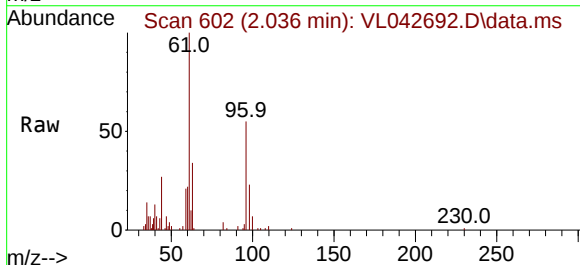
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

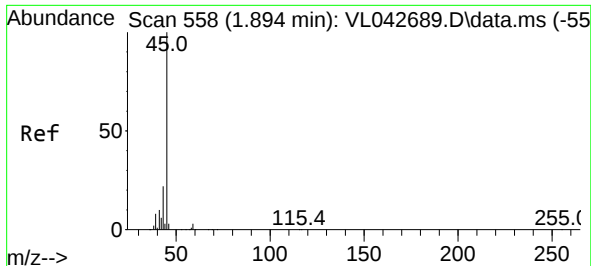
Tgt Ion: 59 Resp: 6335
Ion Ratio Lower Upper
59 100
57 13.1 8.8 13.2



#18
1,1-Dichloroethene
Concen: 0.567 ppbv
RT: 2.036 min Scan# 602
Delta R.T. -0.007 min
Lab File: VL042692.D
Acq: 02 Jul 2025 10:01

Tgt Ion: 96 Resp: 2642
Ion Ratio Lower Upper
96 100
61 183.2 151.0 226.6
98 41.7 49.0 73.4#

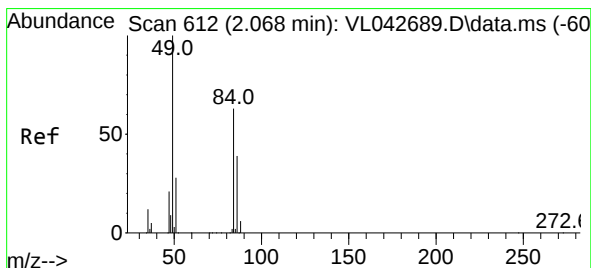
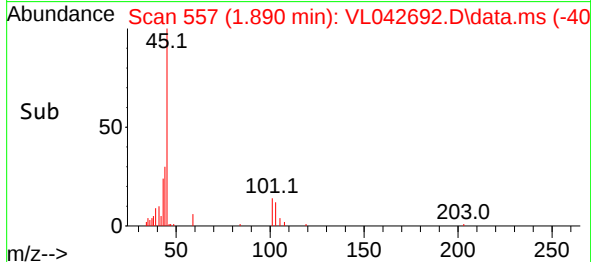
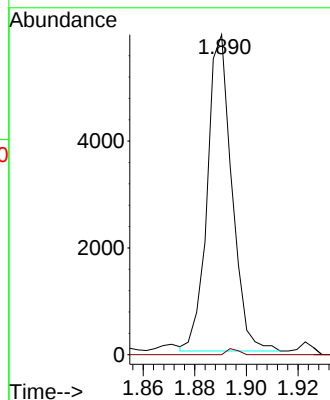
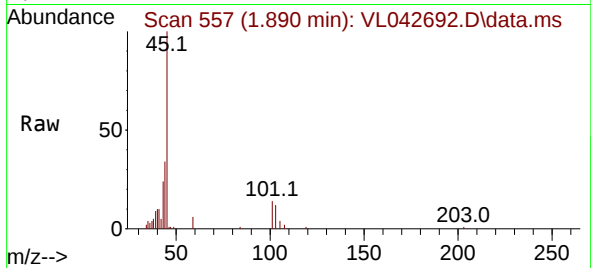




#19
Isopropyl Alcohol
Concen: 0.573 ppbv
RT: 1.890 min Scan# 51
Delta R.T. -0.003 min
Lab File: VL042692.D
Acq: 02 Jul 2025 10:01

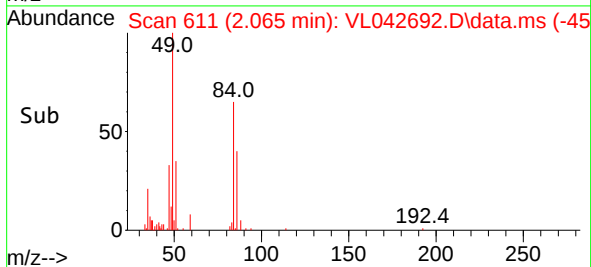
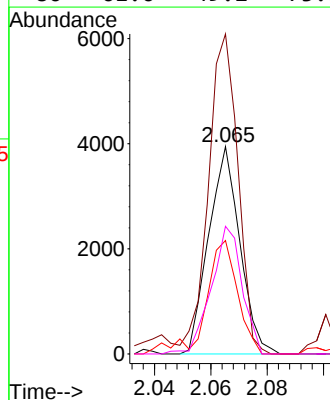
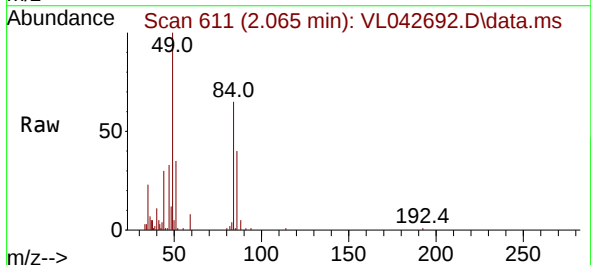
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

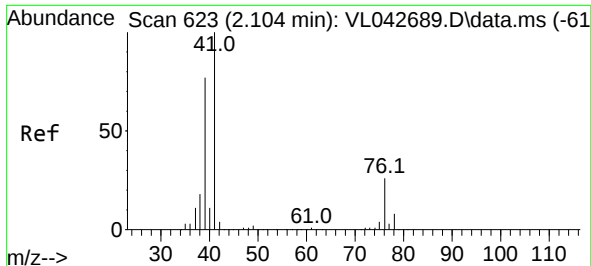
Tgt Ion: 45 Resp: 3920
Ion Ratio Lower Upper
45 100
58 44.6 1.4 2.2#



#20
Methylene Chloride
Concen: 0.666 ppbv
RT: 2.065 min Scan# 611
Delta R.T. -0.003 min
Lab File: VL042692.D
Acq: 02 Jul 2025 10:01

Tgt Ion: 84 Resp: 3034
Ion Ratio Lower Upper
84 100
49 154.4 128.6 193.0
51 54.7 37.4 56.2
86 61.6 49.2 73.8

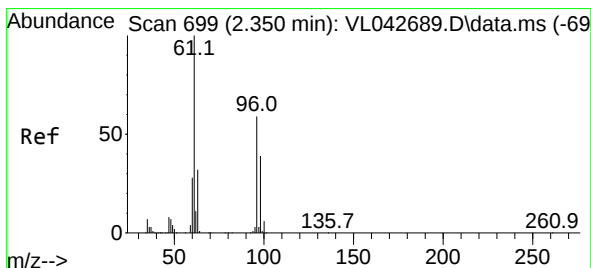
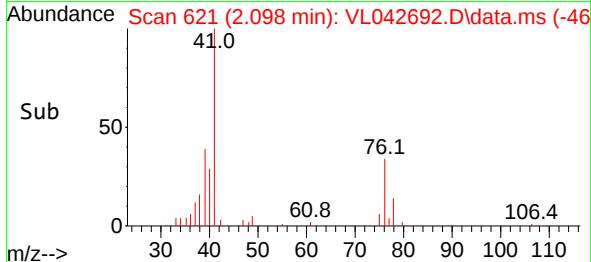
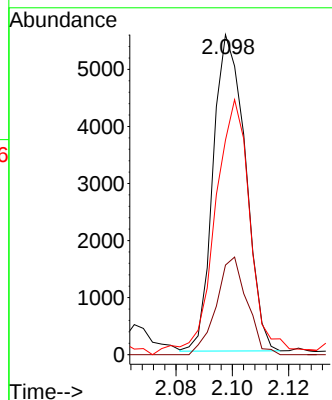
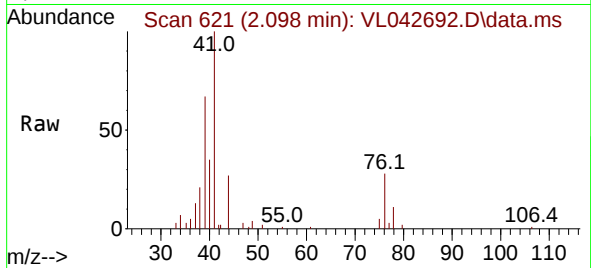




#21
 Allyl Chloride
 Concen: 0.531 ppbv
 RT: 2.098 min Scan# 61
 Delta R.T. -0.007 min
 Lab File: VL042692.D
 Acq: 02 Jul 2025 10:01

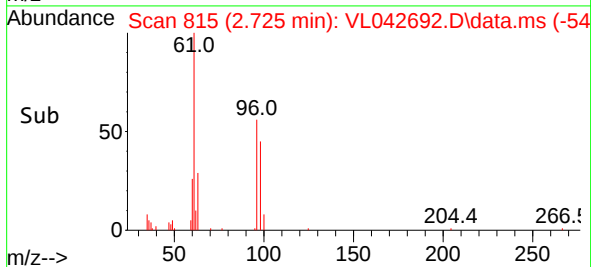
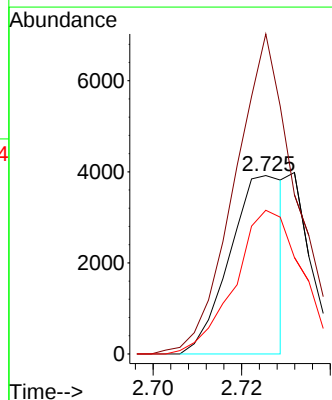
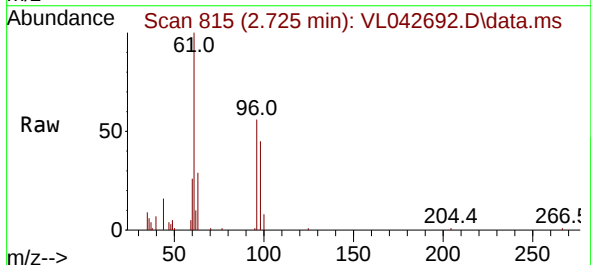
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

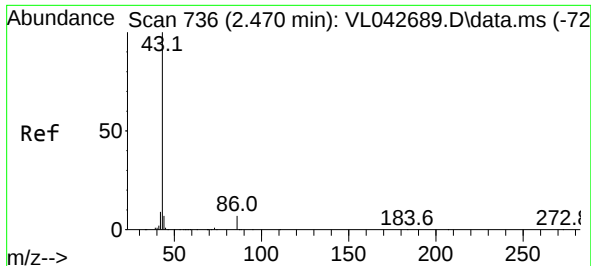
Tgt Ion: 41 Resp: 4410
 Ion Ratio Lower Upper
 41 100
 76 29.3 21.7 32.5
 39 90.0 63.4 95.2



#22
 trans-1,2-Dichloroethene
 Concen: 0.649 ppbv
 RT: 2.725 min Scan# 815
 Delta R.T. 0.375 min
 Lab File: VL042692.D
 Acq: 02 Jul 2025 10:01

Tgt Ion: 96 Resp: 3297
 Ion Ratio Lower Upper
 96 100
 61 175.7 136.5 204.7
 98 78.7 53.5 80.3

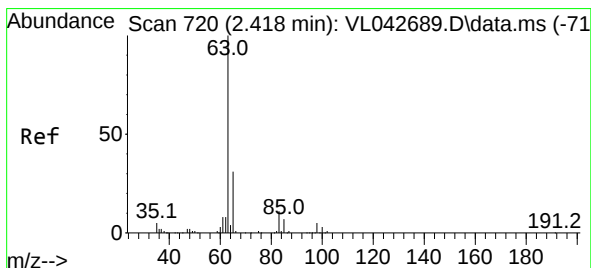
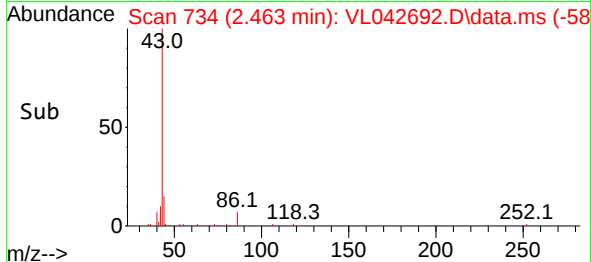
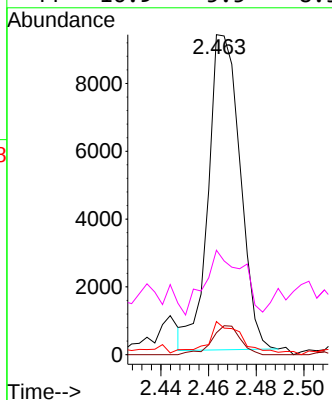
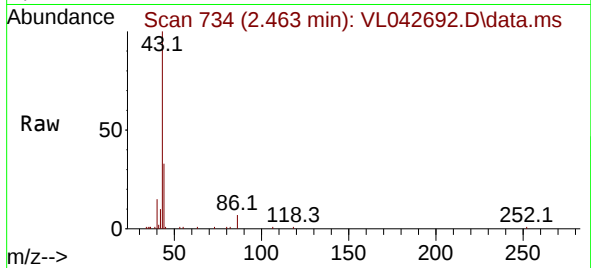




#23
 Vinyl Acetate
 Concen: 0.448 ppbv
 RT: 2.463 min Scan# 719
 Delta R.T. -0.007 min
 Lab File: VL042692.D
 Acq: 02 Jul 2025 10:01

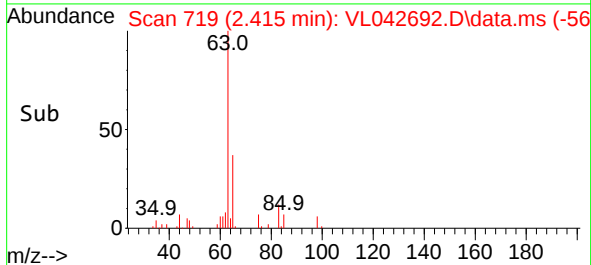
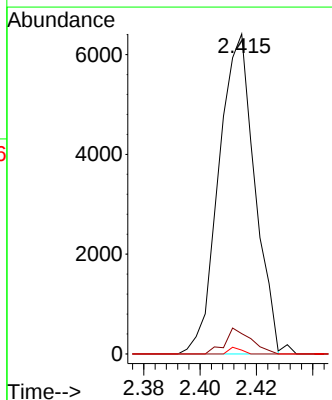
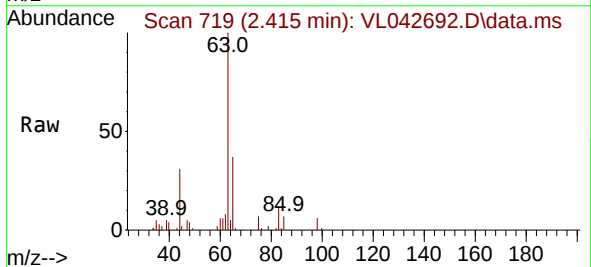
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

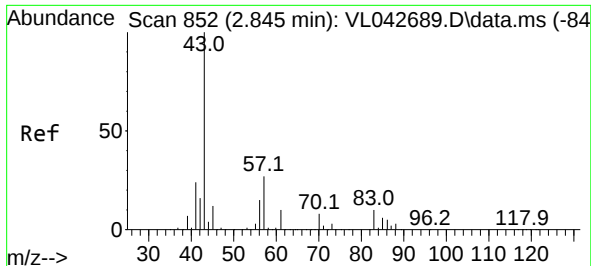
Tgt Ion:	43	Resp:	8636
Ion	Ratio	Lower	Upper
43	100		
86	7.0	5.8	8.6
42	9.8	7.2	10.8
44	16.9	5.5	8.3



#24
 1,1-Dichloroethane
 Concen: 0.540 ppbv
 RT: 2.415 min Scan# 719
 Delta R.T. -0.003 min
 Lab File: VL042692.D
 Acq: 02 Jul 2025 10:01

Tgt Ion:	63	Resp:	5666
Ion	Ratio	Lower	Upper
63	100		
98	6.4	2.5	7.6
100	1.2	1.7	5.0

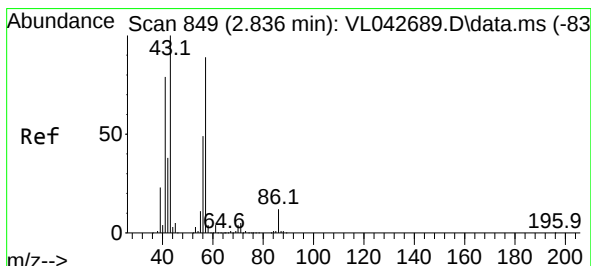
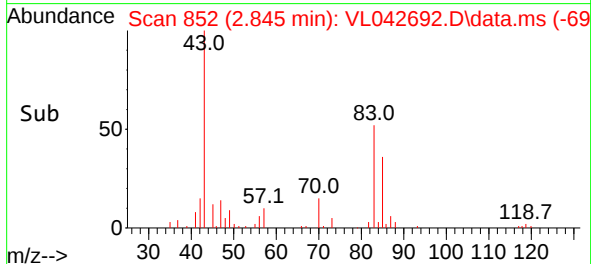
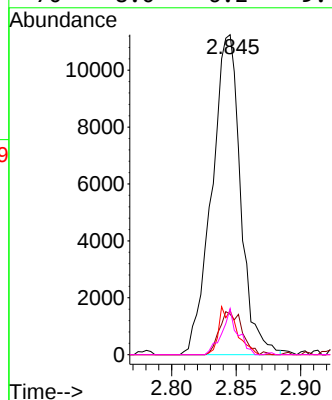
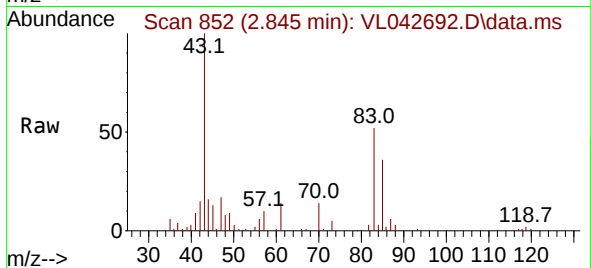




#25
Ethyl Acetate
Concen: 0.483 ppbv
RT: 2.845 min Scan# 81
Delta R.T. -0.000 min
Lab File: VL042692.D
Acq: 02 Jul 2025 10:01

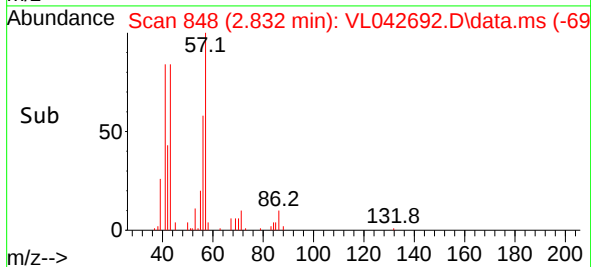
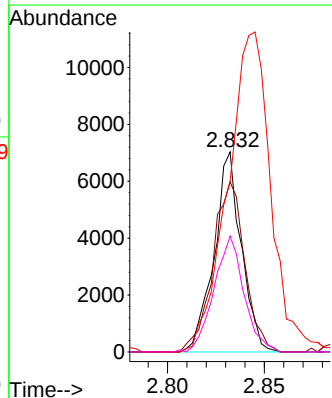
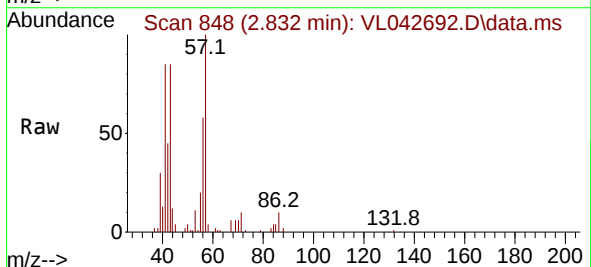
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

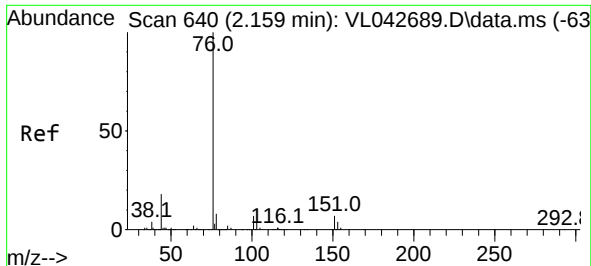
Tgt Ion:	43	Resp:	17395
Ion	Ratio	Lower	Upper
43	100		
45	10.7	8.1	12.1
61	9.3	7.0	10.6
70	8.0	6.2	9.4



#26
Hexane
Concen: 0.457 ppbv
RT: 2.832 min Scan# 848
Delta R.T. -0.003 min
Lab File: VL042692.D
Acq: 02 Jul 2025 10:01

Tgt Ion:	57	Resp:	6861
Ion	Ratio	Lower	Upper
57	100		
41	99.4	73.7	110.5
43	255.1	190.6	285.8
56	63.8	44.8	67.2





#27

Carbon Disulfide

Concen: 0.519 ppbv

RT: 2.153 min Scan# 61

Delta R.T. -0.007 min

Lab File: VL042692.D

Acq: 02 Jul 2025 10:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

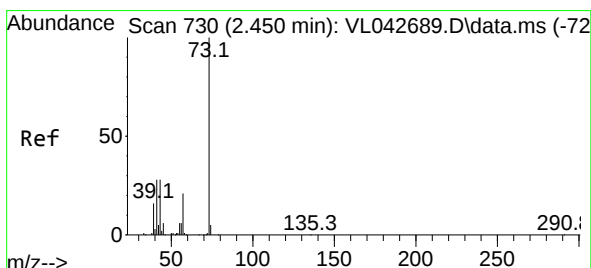
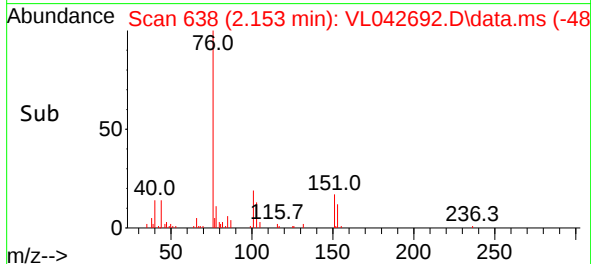
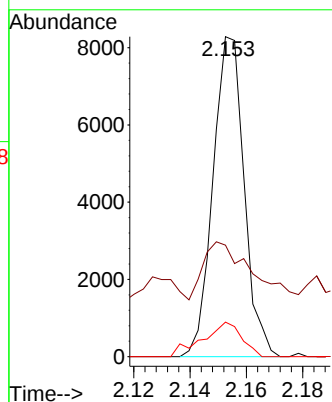
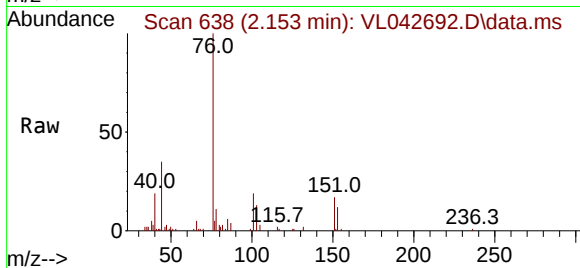
Tgt Ion: 76 Resp: 6363

Ion Ratio Lower Upper

76 100

44 69.1 15.6 23.4#

78 13.4 9.2 13.8



#28

Methyl tert-Butyl Ether

Concen: 0.481 ppbv

RT: 2.444 min Scan# 728

Delta R.T. -0.007 min

Lab File: VL042692.D

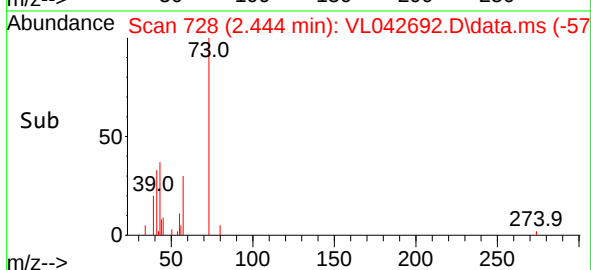
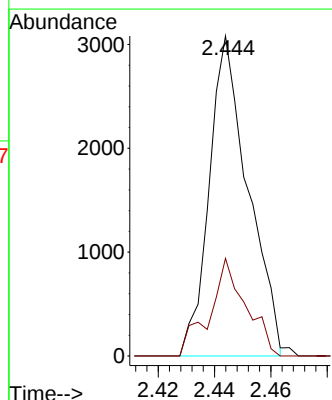
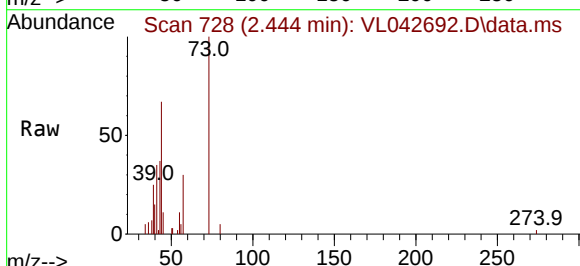
Acq: 02 Jul 2025 10:01

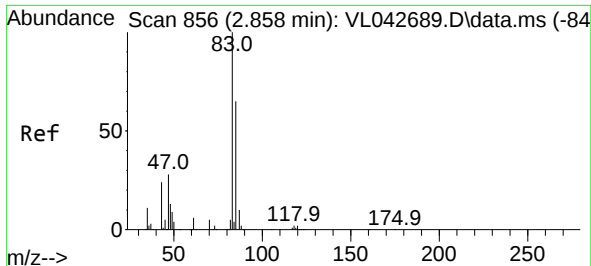
Tgt Ion: 73 Resp: 2957

Ion Ratio Lower Upper

73 100

57 29.4 19.3 28.9#





#29

Chloroform

Concen: 0.525 ppbv

RT: 2.855 min Scan# 81

Delta R.T. -0.003 min

Lab File: VL042692.D

Acq: 02 Jul 2025 10:01

Instrument :

MSVOA_L

ClientSampleId :

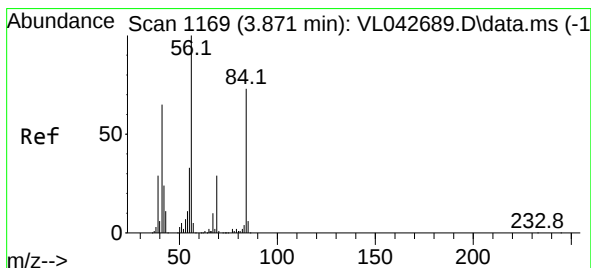
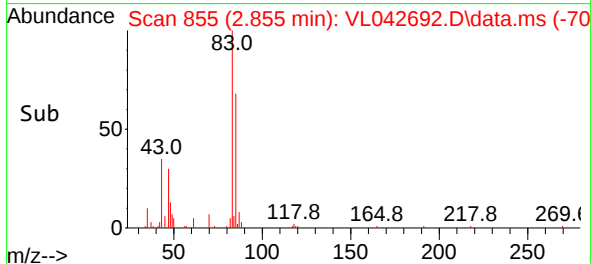
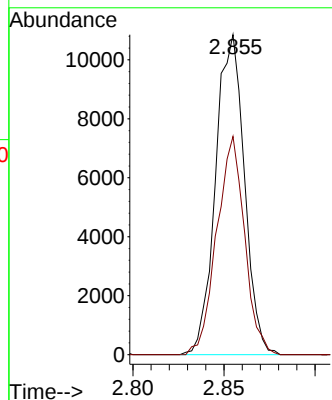
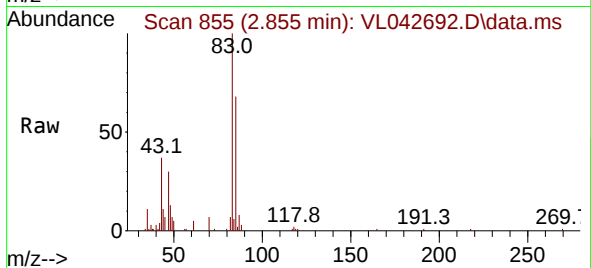
VSTDICC0.5

Tgt Ion: 83 Resp: 11910

Ion Ratio Lower Upper

83 100

85 68.2 52.4 78.6



#30

Cyclohexane

Concen: 0.248 ppbv

RT: 3.871 min Scan# 1169

Delta R.T. -0.000 min

Lab File: VL042692.D

Acq: 02 Jul 2025 10:01

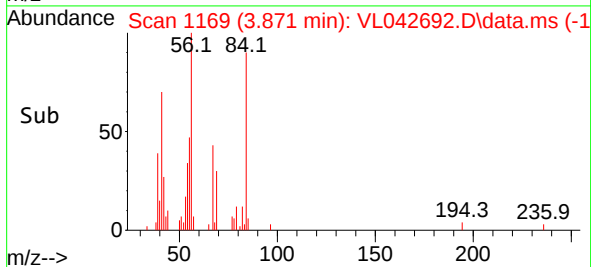
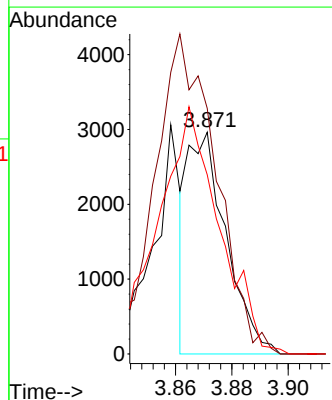
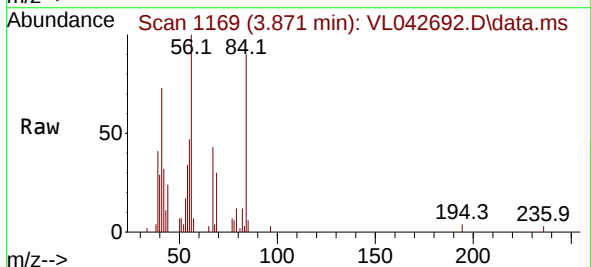
Tgt Ion: 84 Resp: 2813

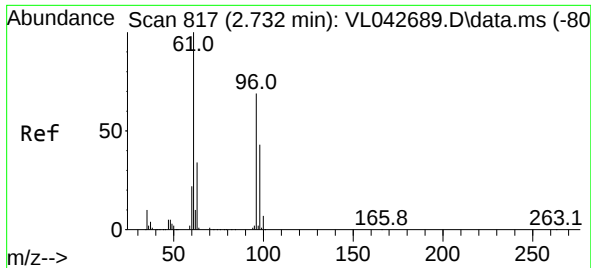
Ion Ratio Lower Upper

84 100

56 0.0 110.4 165.6#

41 0.0 71.4 107.0#

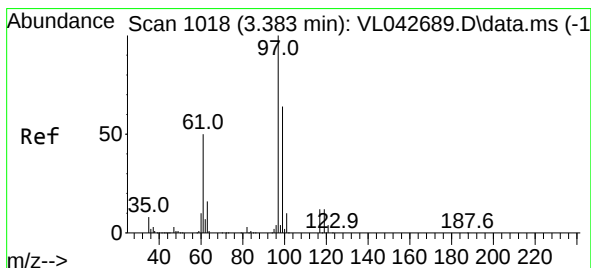
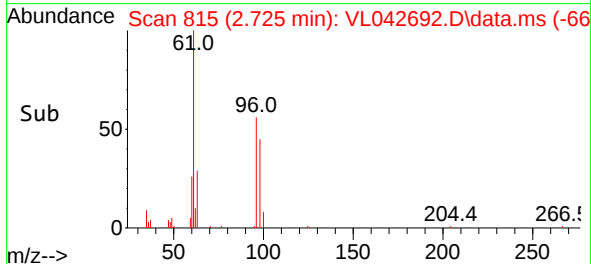
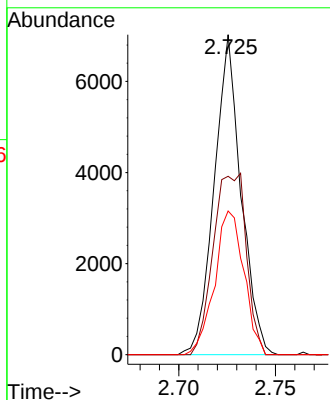
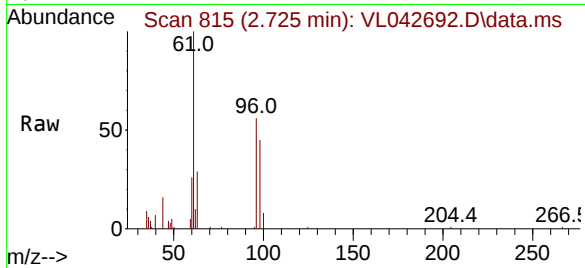




#31
 cis-1,2-Dichloroethene
 Concen: 0.473 ppbv
 RT: 2.725 min Scan# 815
 Delta R.T. -0.007 min
 Lab File: VL042692.D
 Acq: 02 Jul 2025 10:01

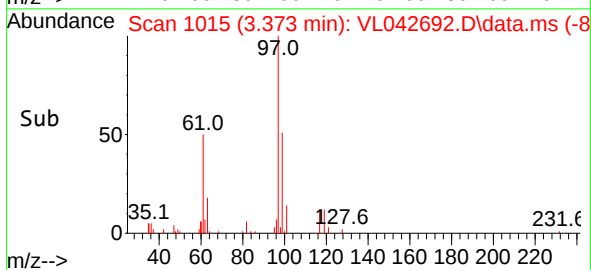
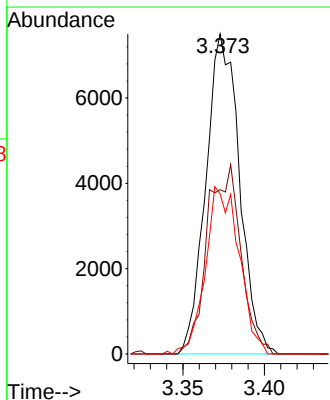
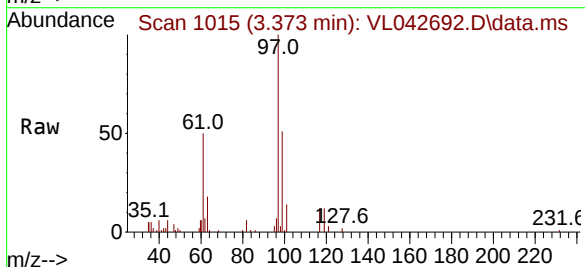
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

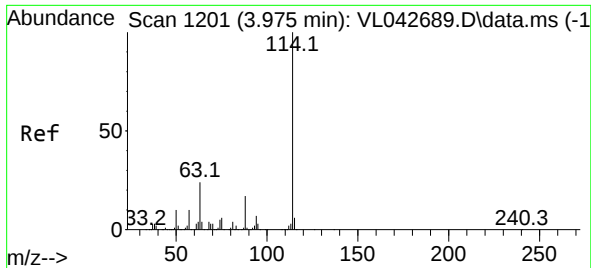
Tgt Ion: 61 Resp: 6768
 Ion Ratio Lower Upper
 61 100
 96 55.7 54.8 82.2
 98 44.9 34.7 52.1



#32
 1,1,1-Trichloroethane
 Concen: 0.495 ppbv
 RT: 3.373 min Scan# 1015
 Delta R.T. -0.010 min
 Lab File: VL042692.D
 Acq: 02 Jul 2025 10:01

Tgt Ion: 97 Resp: 10729
 Ion Ratio Lower Upper
 97 100
 99 59.3 51.4 77.0
 61 52.4 41.1 61.7

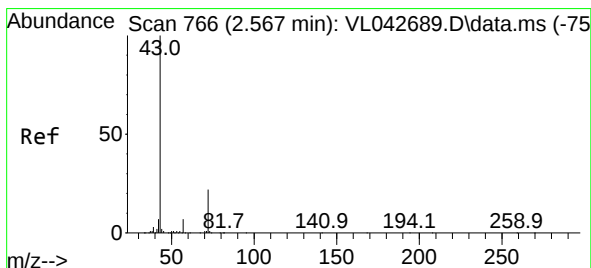
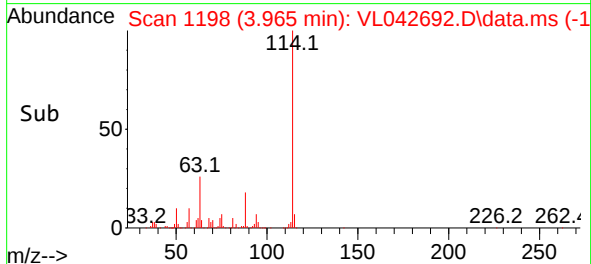
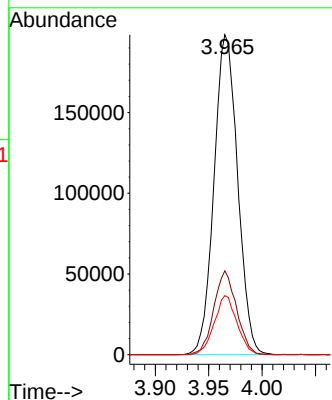
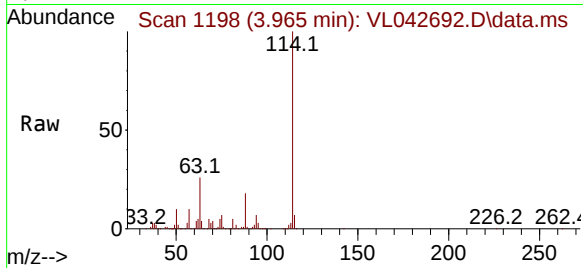




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.965 min Scan# 1198
Delta R.T. -0.010 min
Lab File: VL042692.D
Acq: 02 Jul 2025 10:01

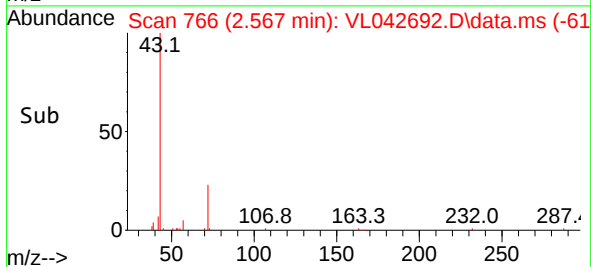
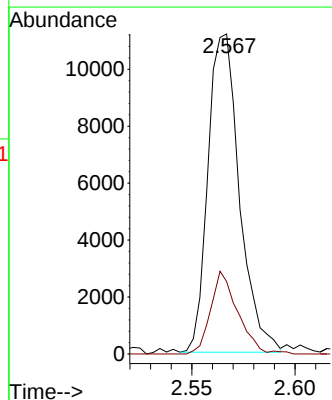
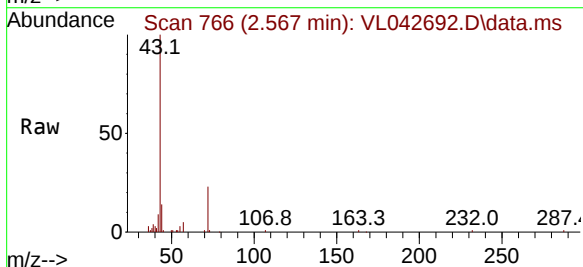
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

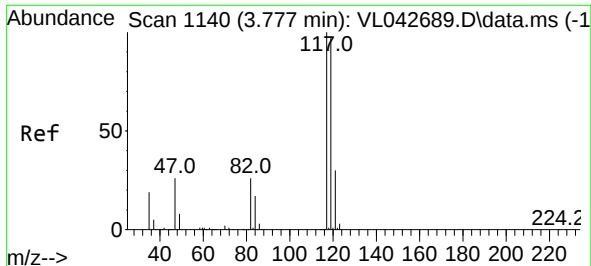
Tgt Ion:114 Resp: 305088
Ion Ratio Lower Upper
114 100
63 25.3 20.4 30.6
88 17.7 14.2 21.2



#34
2-Butanone
Concen: 0.491 ppbv
RT: 2.567 min Scan# 766
Delta R.T. -0.000 min
Lab File: VL042692.D
Acq: 02 Jul 2025 10:01

Tgt Ion: 43 Resp: 11862
Ion Ratio Lower Upper
43 100
72 22.5 17.1 25.7

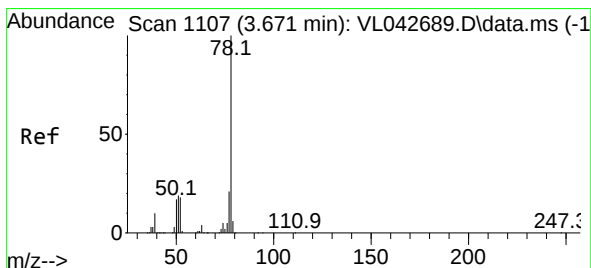
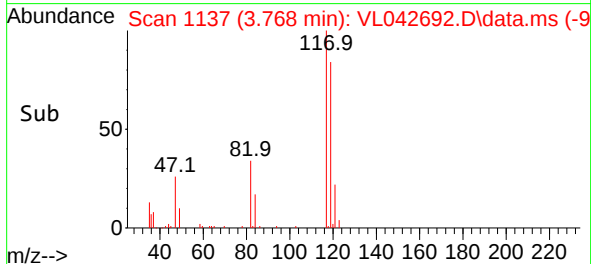
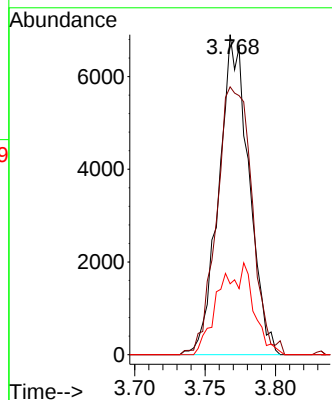
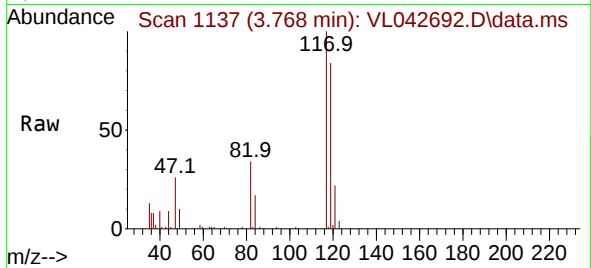




#35
Carbon Tetrachloride
Concen: 0.485 ppbv
RT: 3.768 min Scan# 1137
Delta R.T. -0.010 min
Lab File: VL042692.D
Acq: 02 Jul 2025 10:01

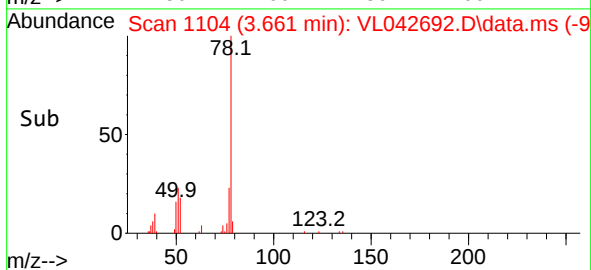
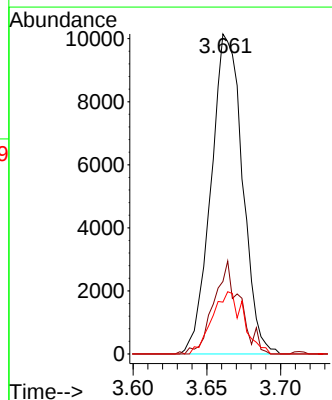
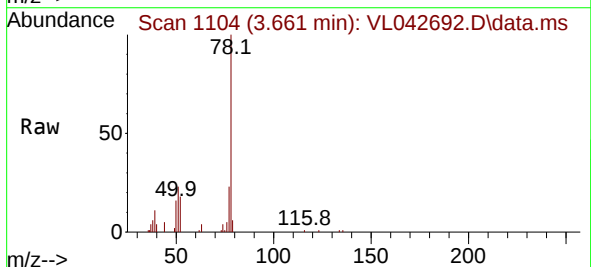
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

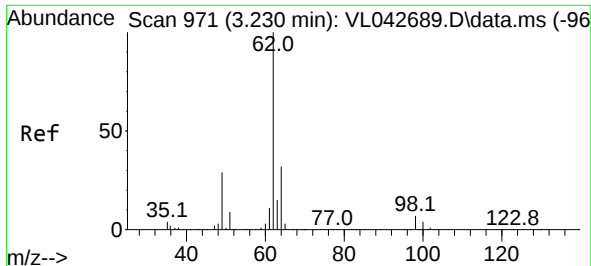
Tgt Ion:117 Resp: 10262
Ion Ratio Lower Upper
117 100
119 83.7 77.6 116.4
121 22.1 24.0 36.0#



#36
Benzene
Concen: 0.489 ppbv
RT: 3.661 min Scan# 1104
Delta R.T. -0.010 min
Lab File: VL042692.D
Acq: 02 Jul 2025 10:01

Tgt Ion: 78 Resp: 15039
Ion Ratio Lower Upper
78 100
77 22.6 17.0 25.4
50 16.2 13.7 20.5





#37

1,2-Dichloroethane

Concen: 0.530 ppbv

RT: 3.224 min Scan# 9

Delta R.T. -0.007 min

Lab File: VL042692.D

Acq: 02 Jul 2025 10:01

Instrument :

MSVOA_L

ClientSampleId :

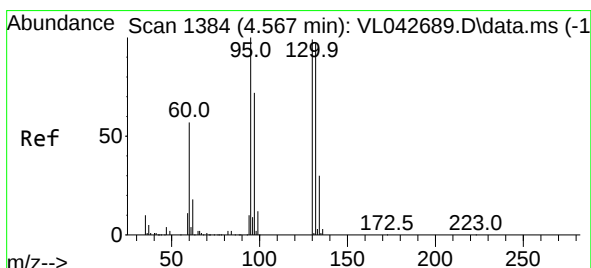
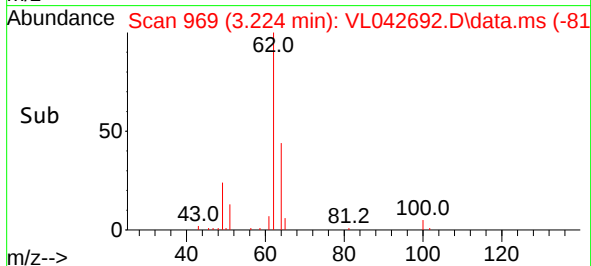
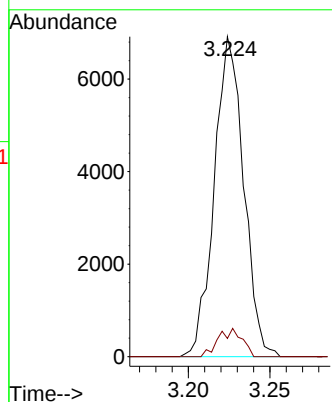
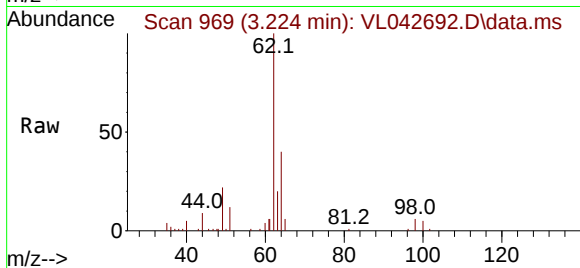
VSTDIC0.5

Tgt Ion: 62 Resp: 8660

Ion Ratio Lower Upper

62 100

98 7.1 5.8 8.8



#38

Trichloroethene

Concen: 0.463 ppbv

RT: 4.561 min Scan# 1382

Delta R.T. -0.007 min

Lab File: VL042692.D

Acq: 02 Jul 2025 10:01

Tgt Ion:130 Resp: 6153

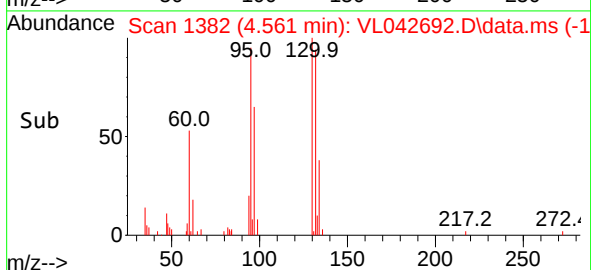
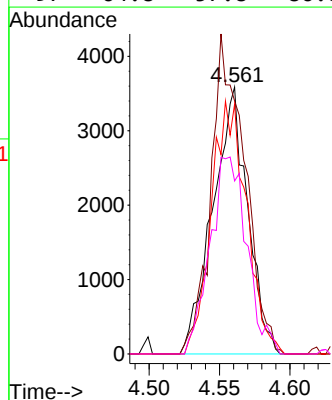
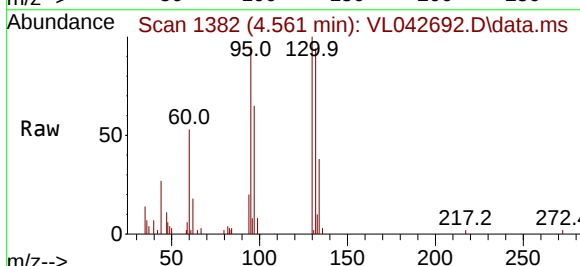
Ion Ratio Lower Upper

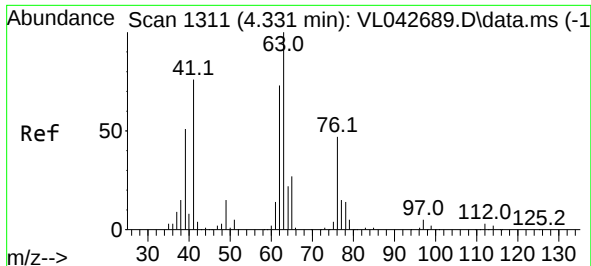
130 100

95 94.8 81.1 121.7

132 93.7 77.9 116.9

97 64.8 57.8 86.8





#39

1,2-Dichloropropane

Concen: 0.299 ppbv

RT: 4.318 min Scan# 11

Delta R.T. -0.013 min

Lab File: VL042692.D

Acq: 02 Jul 2025 10:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

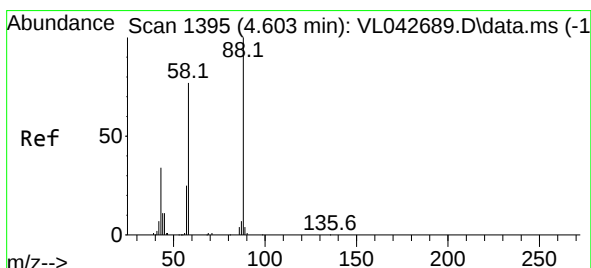
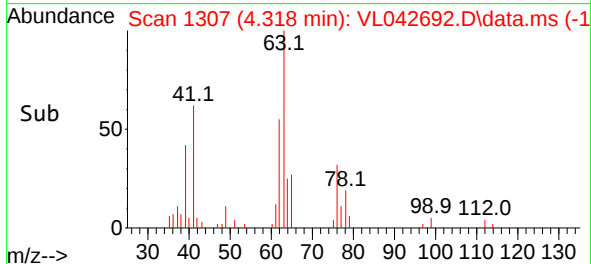
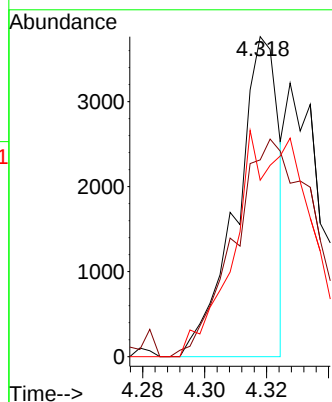
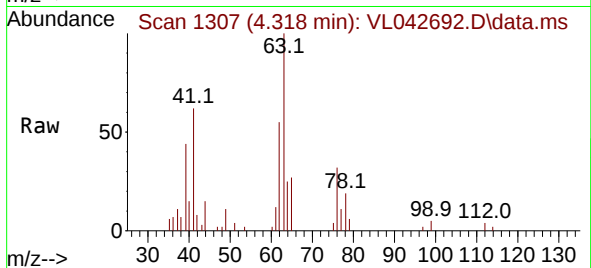
Tgt Ion: 63 Resp: 3587

Ion Ratio Lower Upper

63 100

41 59.5 60.8 91.2#

62 55.2 58.6 87.8#



#40

1,4-Dioxane

Concen: 0.304 ppbv

RT: 4.609 min Scan# 1397

Delta R.T. 0.006 min

Lab File: VL042692.D

Acq: 02 Jul 2025 10:01

Tgt Ion: 88 Resp: 1400

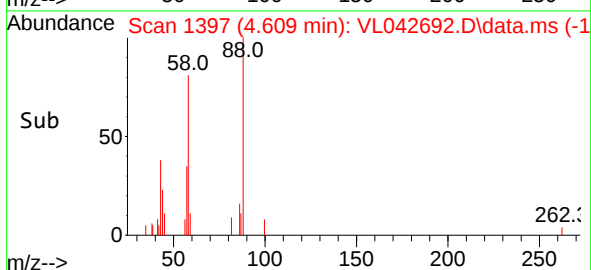
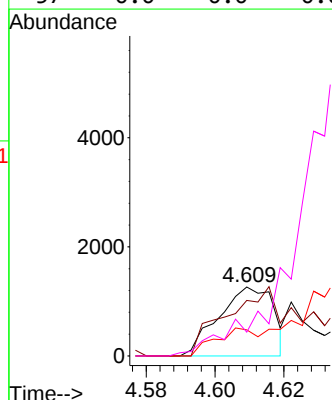
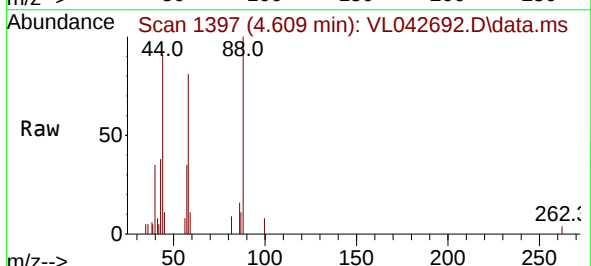
Ion Ratio Lower Upper

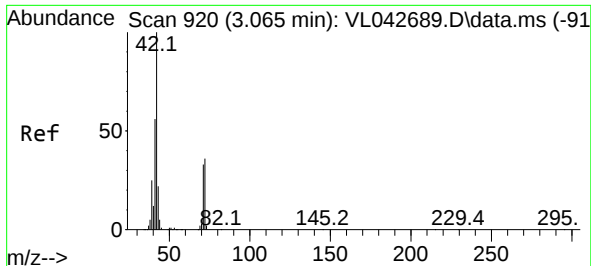
88 100

58 0.0 62.1 93.1#

43 0.0 26.2 39.2#

57 0.0 0.0 0.0

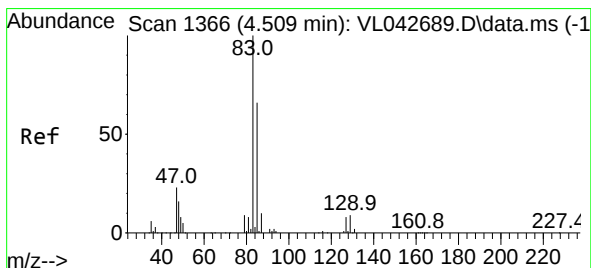
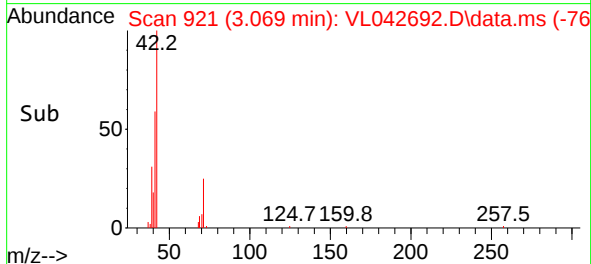
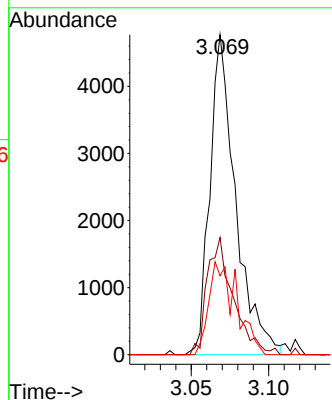
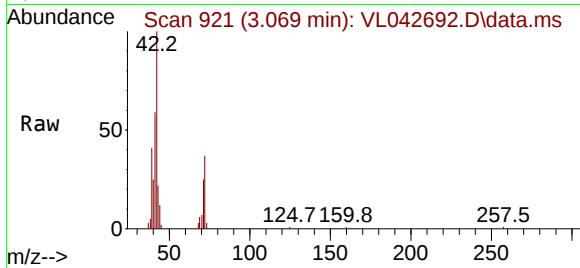




#41
Tetrahydrofuran
Concen: 0.448 ppbv
RT: 3.069 min Scan# 91
Delta R.T. 0.003 min
Lab File: VL042692.D
Acq: 02 Jul 2025 10:01

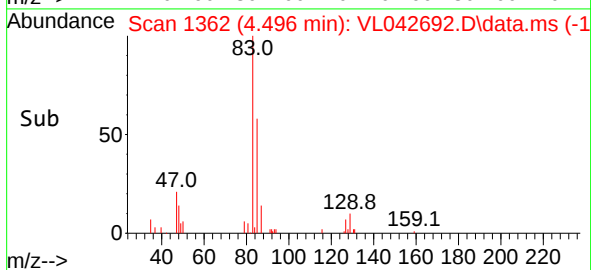
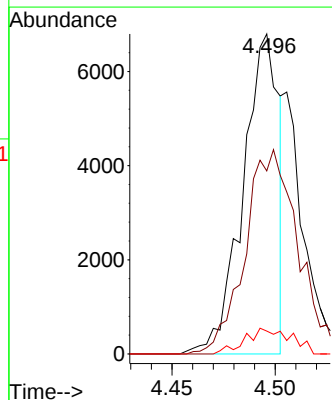
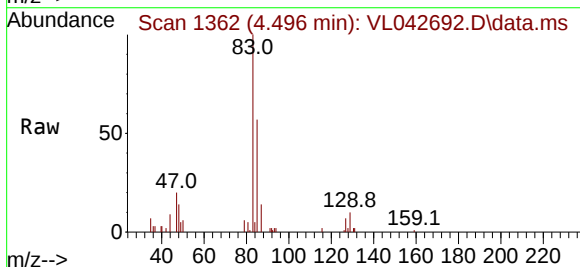
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

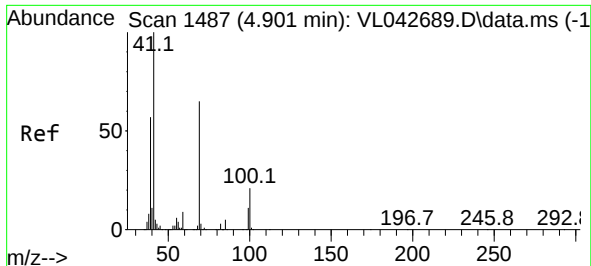
Tgt Ion: 42 Resp: 5513
Ion Ratio Lower Upper
42 100
72 37.6 28.2 42.4
71 31.4 25.4 38.0



#42
Bromodichloromethane
Concen: 0.355 ppbv
RT: 4.496 min Scan# 1362
Delta R.T. -0.013 min
Lab File: VL042692.D
Acq: 02 Jul 2025 10:01

Tgt Ion: 83 Resp: 8207
Ion Ratio Lower Upper
83 100
85 57.2 52.5 78.7
127 7.2 6.1 9.1

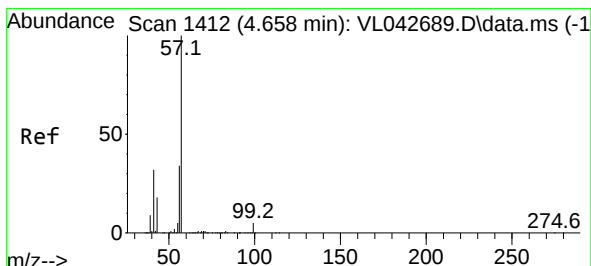
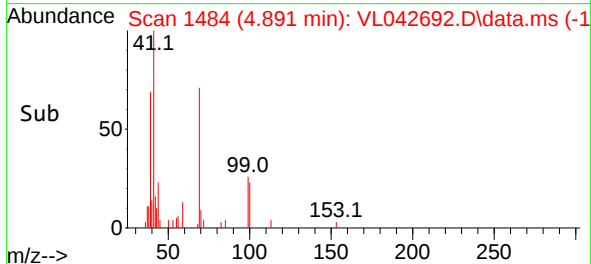
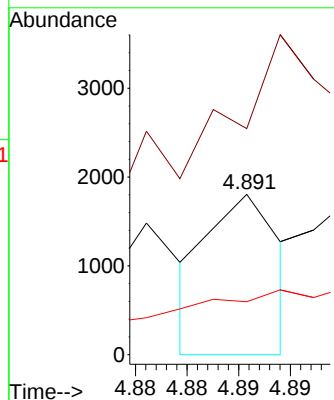
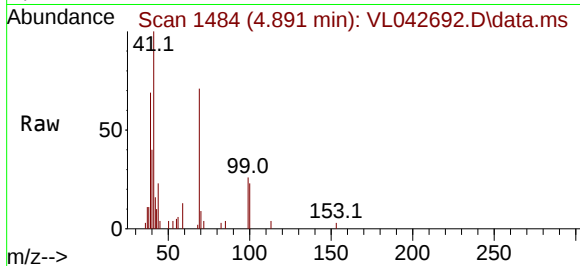




#43
Methyl Methacrylate
Concen: 0.089 ppbv
RT: 4.891 min Scan# 1487
Delta R.T. -0.010 min
Lab File: VL042692.D
Acq: 02 Jul 2025 10:01

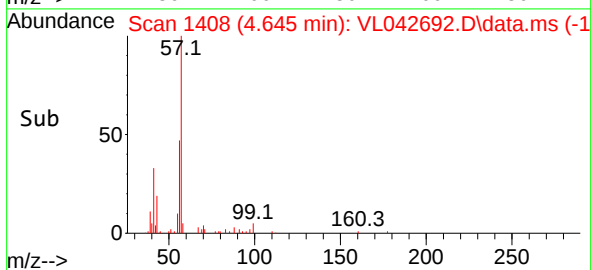
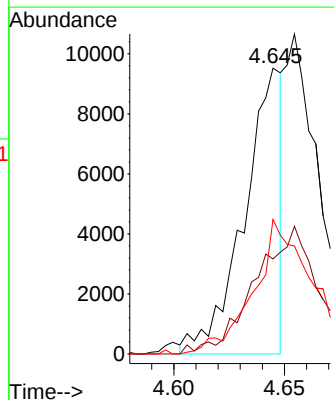
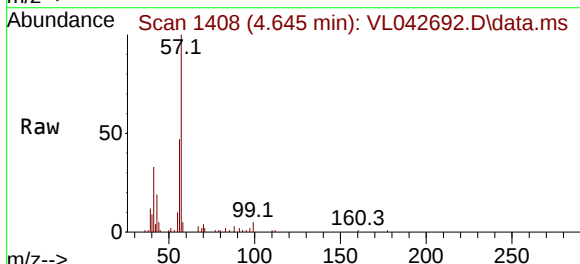
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

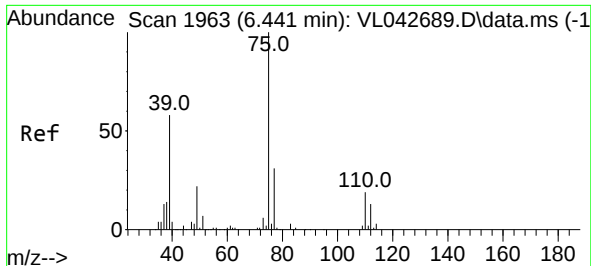
Tgt Ion: 69 Resp: 875
Ion Ratio Lower Upper
69 100
41 737.4 125.4 188.2#
100 0.0 26.4 39.6#



#44
2,2,4-Trimethylpentane
Concen: 0.219 ppbv
RT: 4.645 min Scan# 1408
Delta R.T. -0.013 min
Lab File: VL042692.D
Acq: 02 Jul 2025 10:01

Tgt Ion: 57 Resp: 11244
Ion Ratio Lower Upper
57 100
41 0.0 25.2 37.8#
56 72.7 26.3 39.5#





#45

t-1,3-Dichloropropene

Concen: 0.125 ppbv

RT: 6.428 min Scan# 11

Delta R.T. -0.013 min

Lab File: VL042692.D

Acq: 02 Jul 2025 10:01

Instrument :

MSVOA_L

ClientSampleId :

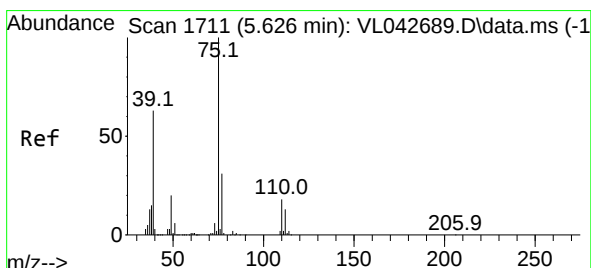
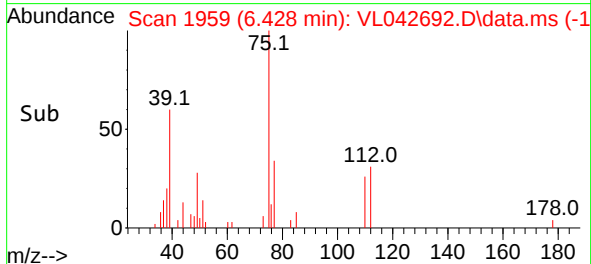
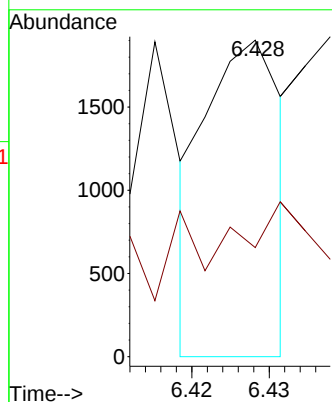
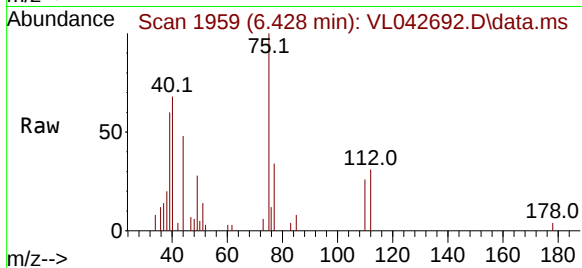
VSTDIC0.5

Tgt Ion: 75 Resp: 1298

Ion Ratio Lower Upper

75 100

77 34.5 25.0 37.4



#46

cis-1,3-Dichloropropene

Concen: 0.165 ppbv

RT: 5.609 min Scan# 1706

Delta R.T. -0.016 min

Lab File: VL042692.D

Acq: 02 Jul 2025 10:01

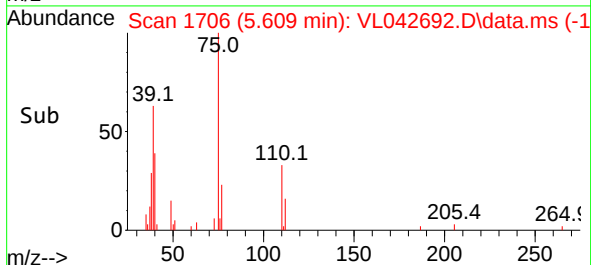
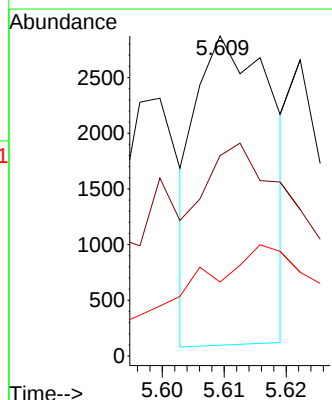
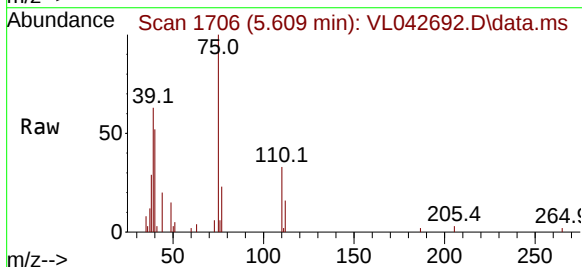
Tgt Ion: 75 Resp: 2365

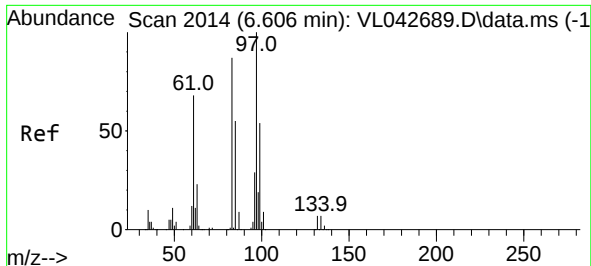
Ion Ratio Lower Upper

75 100

39 48.9 50.6 75.8#

77 10.9 24.8 37.2#

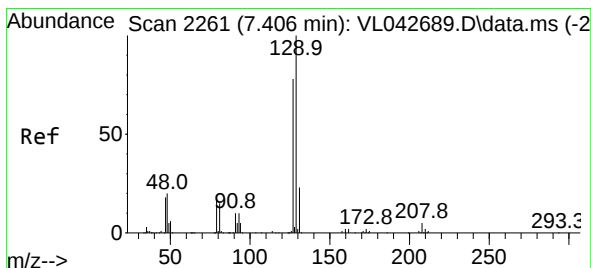
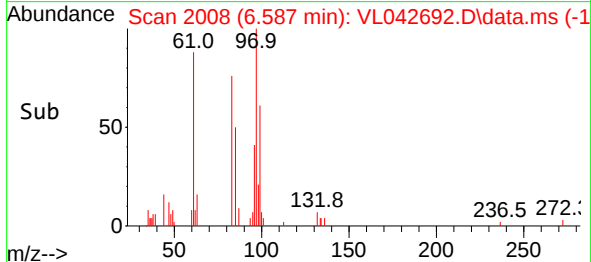
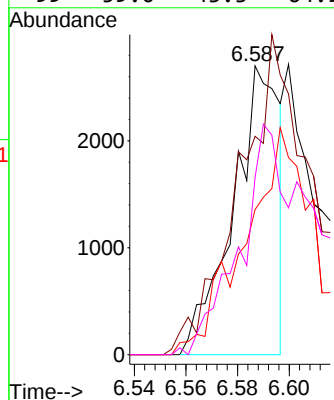
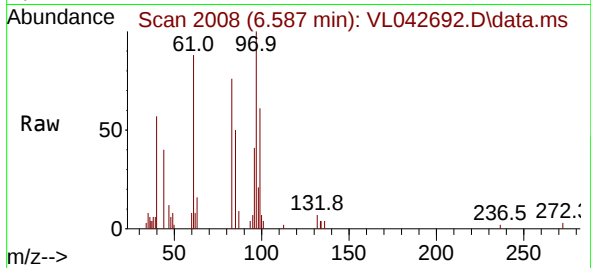




#47
1,1,2-Trichloroethane
Concen: 0.285 ppbv
RT: 6.587 min Scan# 2014
Delta R.T. -0.019 min
Lab File: VL042692.D
Acq: 02 Jul 2025 10:01

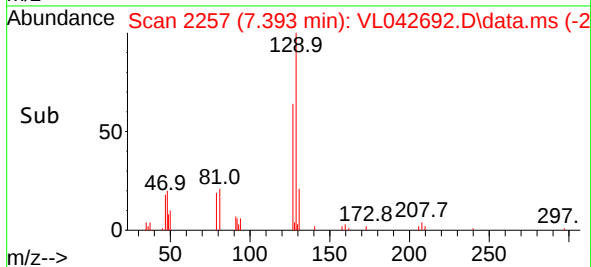
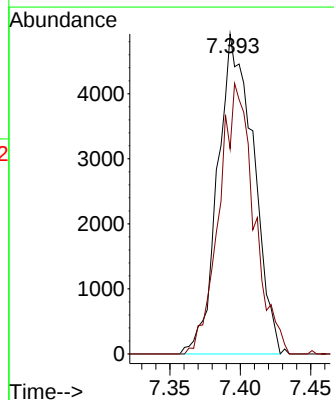
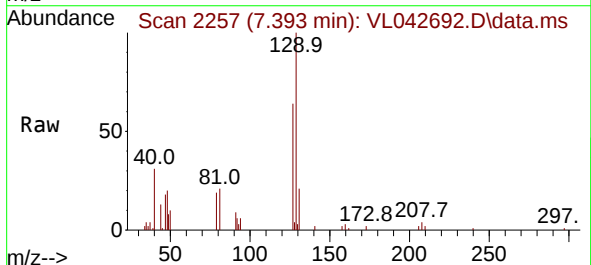
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

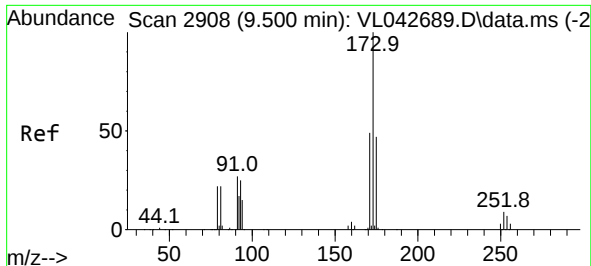
Tgt Ion: 97	Resp: 3368
Ion Ratio	Lower Upper
97 100	
83 67.8	69.3 103.9#
85 46.1	43.7 65.5
99 59.0	43.3 64.9



#48
Dibromochloromethane
Concen: 0.480 ppbv
RT: 7.393 min Scan# 2257
Delta R.T. -0.013 min
Lab File: VL042692.D
Acq: 02 Jul 2025 10:01

Tgt Ion:129	Resp:	8686	
Ion	Ratio	Lower	Upper
129	100		
127	82.5	38.3	114.8

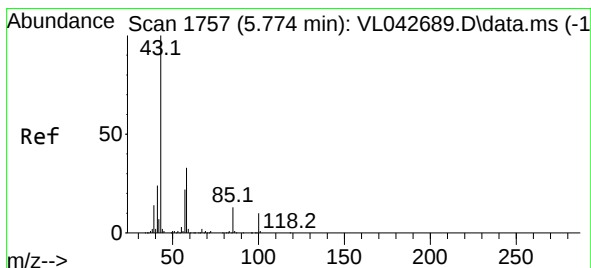
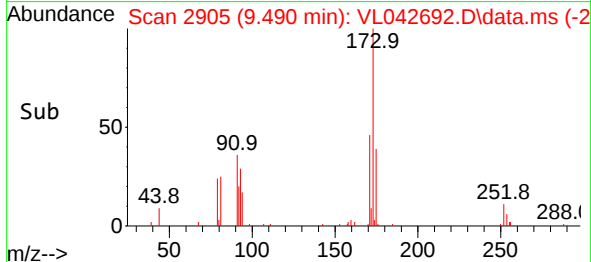
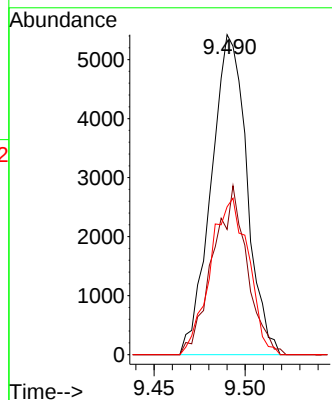
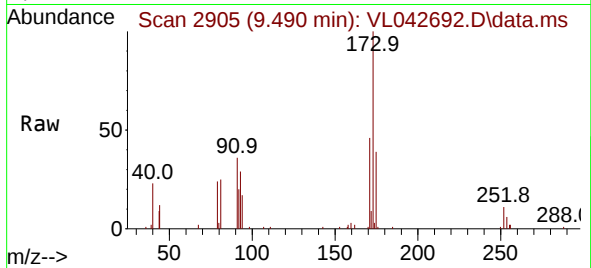




#49
Bromoform
Concen: 0.473 ppbv
RT: 9.490 min Scan# 2908
Delta R.T. -0.010 min
Lab File: VL042692.D
Acq: 02 Jul 2025 10:01

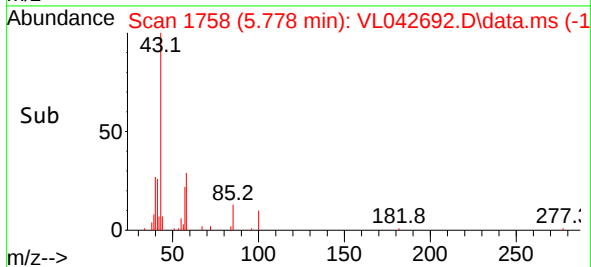
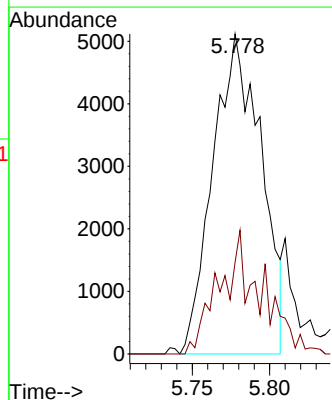
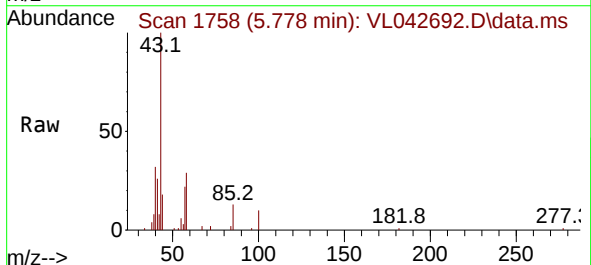
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

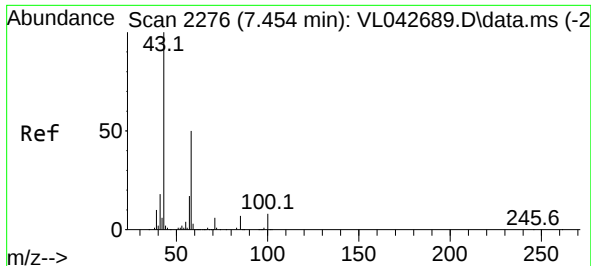
Tgt Ion:173 Resp: 7390
Ion Ratio Lower Upper
173 100
175 50.6 38.6 57.8
171 52.4 40.3 60.5



#50
4-Methyl-2-Pentanone
Concen: 0.392 ppbv
RT: 5.778 min Scan# 1758
Delta R.T. 0.003 min
Lab File: VL042692.D
Acq: 02 Jul 2025 10:01

Tgt Ion: 43 Resp: 11052
Ion Ratio Lower Upper
43 100
58 33.4 27.5 41.3

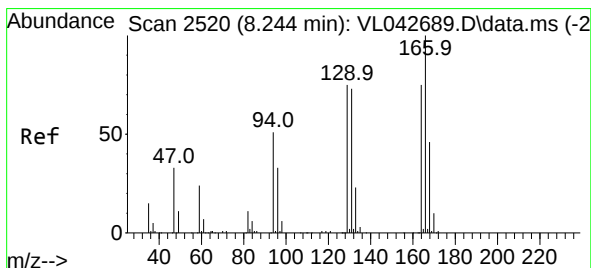
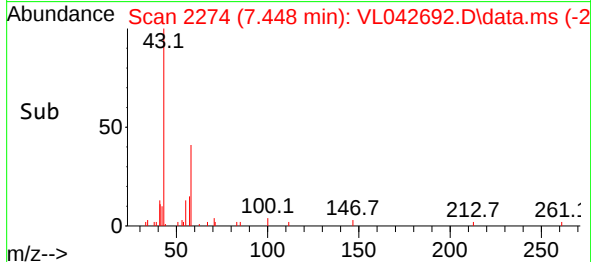
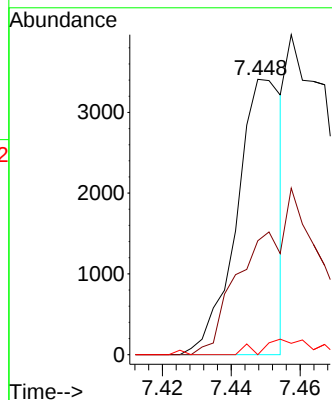
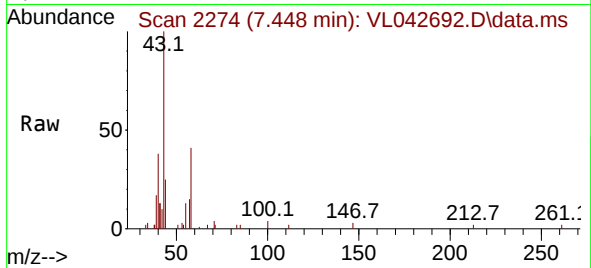




#51
2-Hexanone
Concen: 0.151 ppbv
RT: 7.448 min Scan# 2115
Delta R.T. -0.007 min
Lab File: VL042692.D
Acq: 02 Jul 2025 10:01

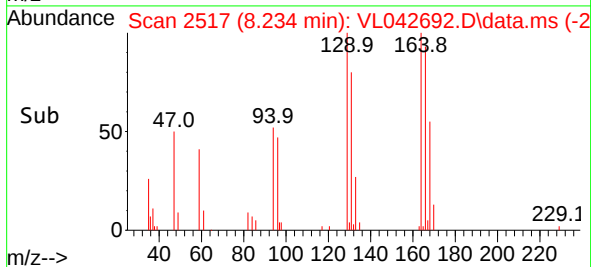
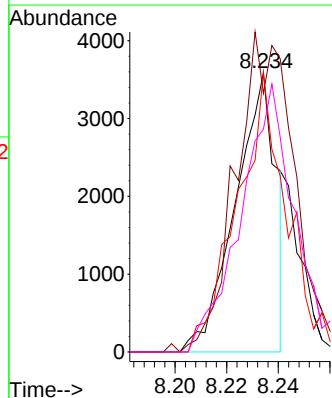
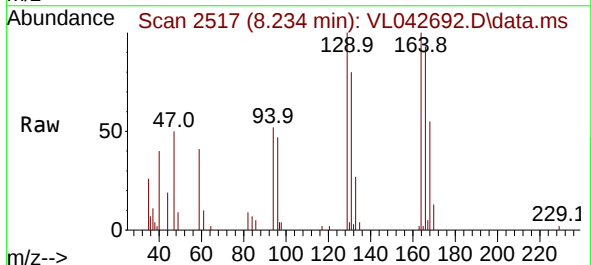
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

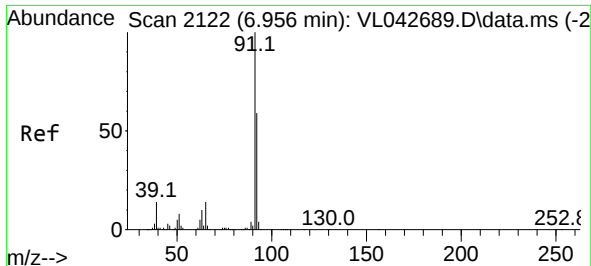
Tgt Ion: 43 Resp: 3115
Ion Ratio Lower Upper
43 100
58 0.0 38.6 57.8#
98 0.0 0.6 1.0#



#52
Tetrachloroethene
Concen: 0.381 ppbv
RT: 8.234 min Scan# 2517
Delta R.T. -0.010 min
Lab File: VL042692.D
Acq: 02 Jul 2025 10:01

Tgt Ion: 164 Resp: 3930
Ion Ratio Lower Upper
164 100
166 92.6 106.6 160.0#
129 100.1 79.8 119.6
131 79.7 78.0 117.0

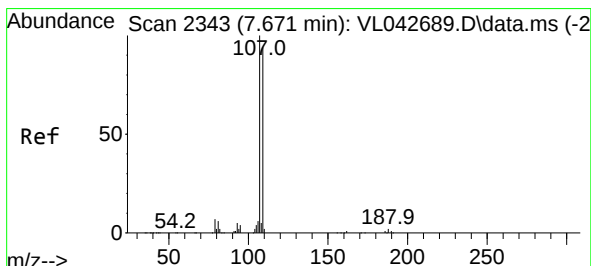
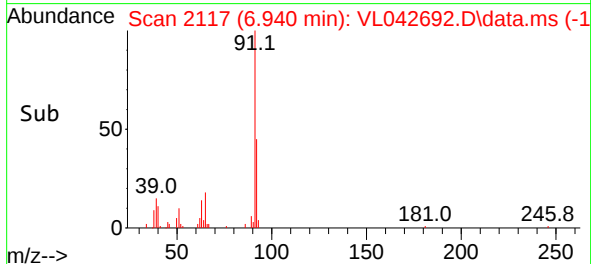
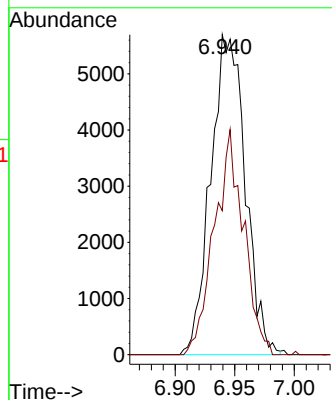
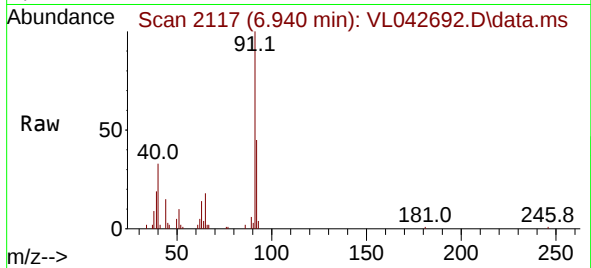




#53
Toluene
Concen: 0.399 ppbv
RT: 6.940 min Scan# 2117
Delta R.T. -0.016 min
Lab File: VL042692.D
Acq: 02 Jul 2025 10:01

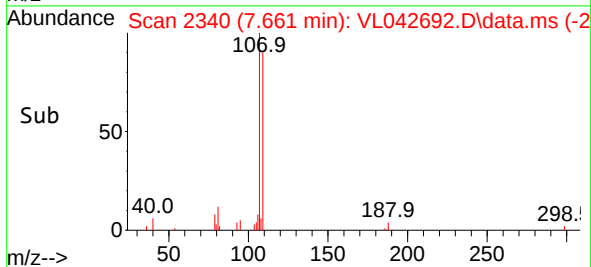
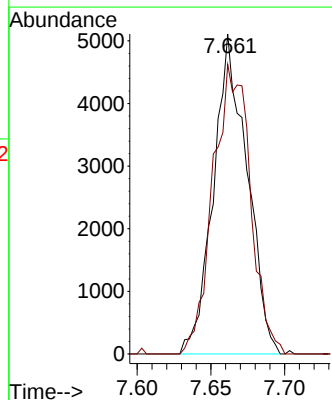
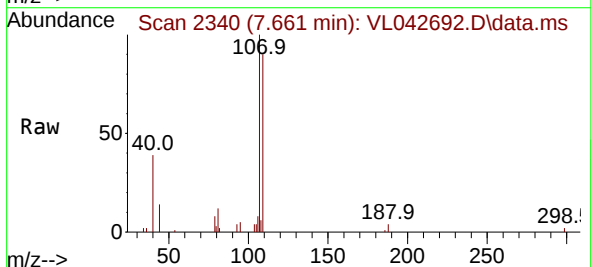
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

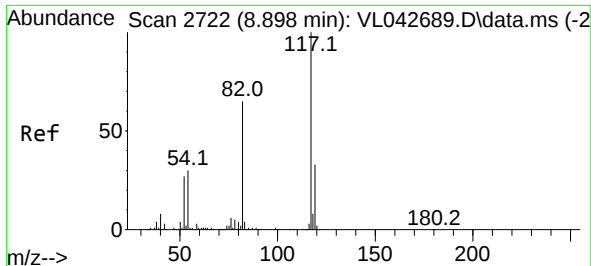
Tgt Ion: 91 Resp: 11461
Ion Ratio Lower Upper
91 100
92 59.7 47.4 71.2



#54
1,2-Dibromoethane
Concen: 0.491 ppbv
RT: 7.661 min Scan# 2340
Delta R.T. -0.010 min
Lab File: VL042692.D
Acq: 02 Jul 2025 10:01

Tgt Ion: 107 Resp: 8096
Ion Ratio Lower Upper
107 100
109 90.5 74.8 112.2

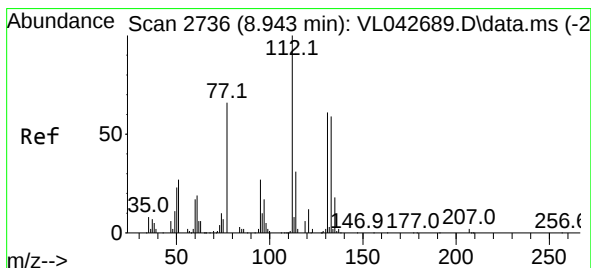
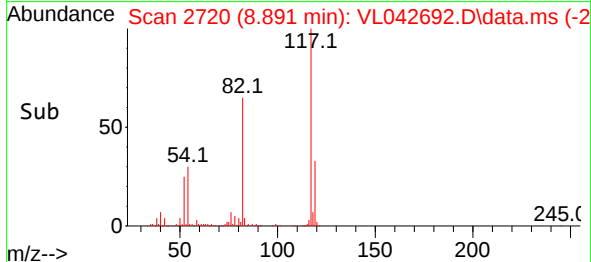
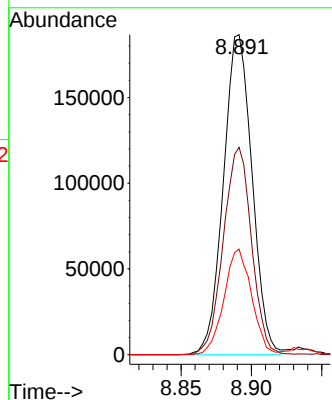
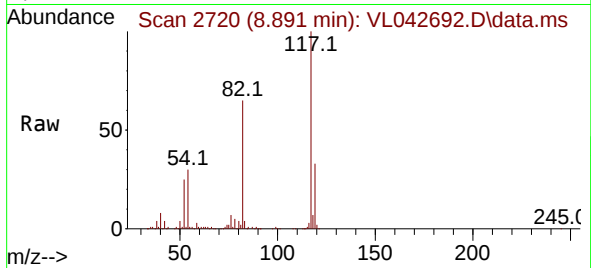




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.891 min Scan# 21
Delta R.T. -0.007 min
Lab File: VL042692.D
Acq: 02 Jul 2025 10:01

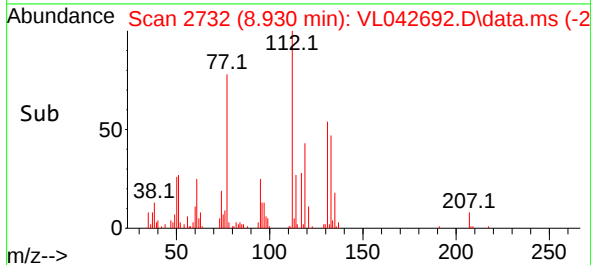
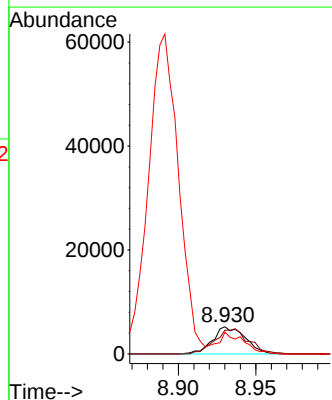
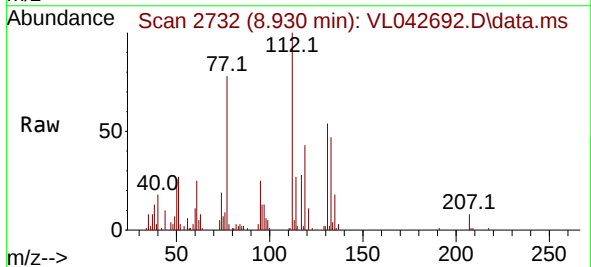
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

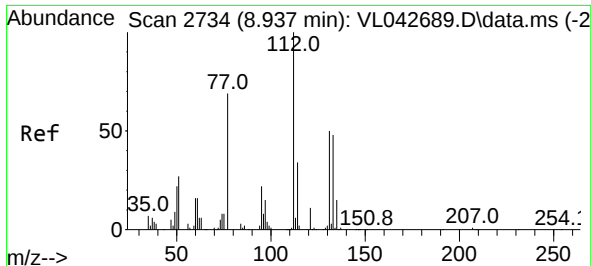
Tgt Ion:117 Resp: 264493
Ion Ratio Lower Upper
117 100
82 64.1 53.4 80.2
119 31.9 26.6 39.8



#56
1,1,1,2-Tetrachloroethane
Concen: 0.536 ppbv
RT: 8.930 min Scan# 2732
Delta R.T. -0.013 min
Lab File: VL042692.D
Acq: 02 Jul 2025 10:01

Tgt Ion:131 Resp: 7670
Ion Ratio Lower Upper
131 100
133 95.2 77.3 115.9
119 1159.5 52.6 78.8#

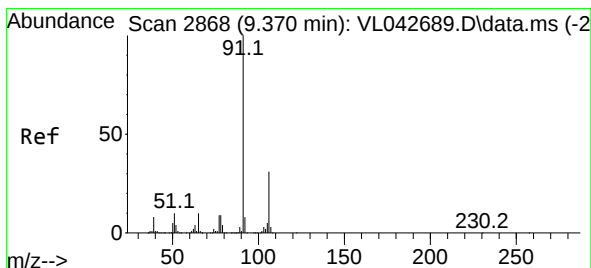
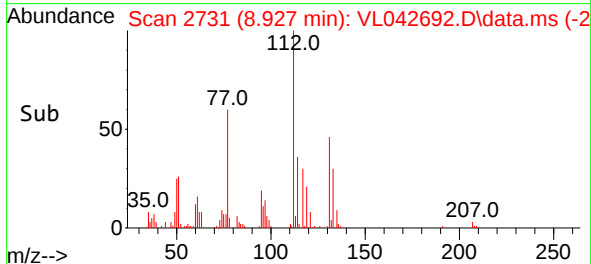
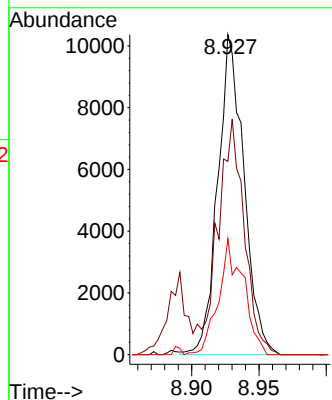
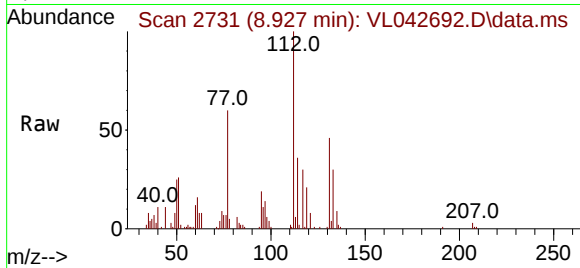




#57
Chlorobenzene
Concen: 0.527 ppbv
RT: 8.927 min Scan# 21
Delta R.T. -0.010 min
Lab File: VL042692.D
Acq: 02 Jul 2025 10:01

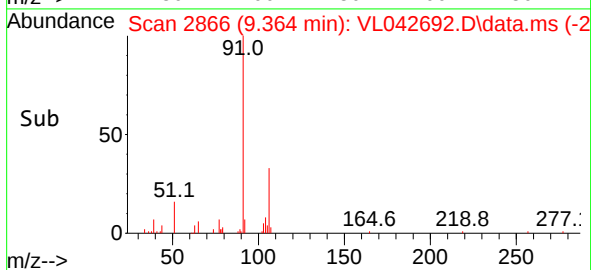
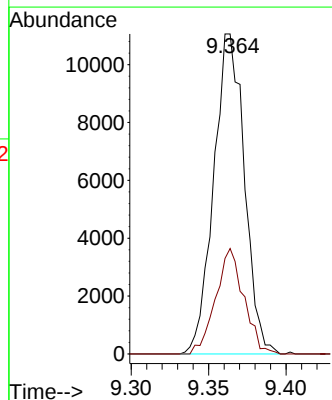
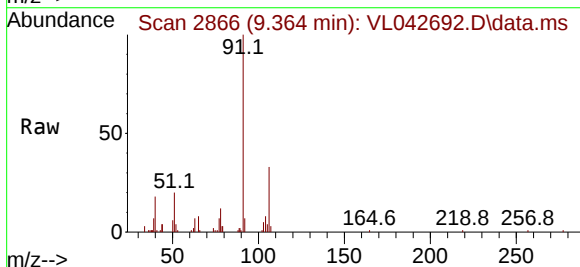
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

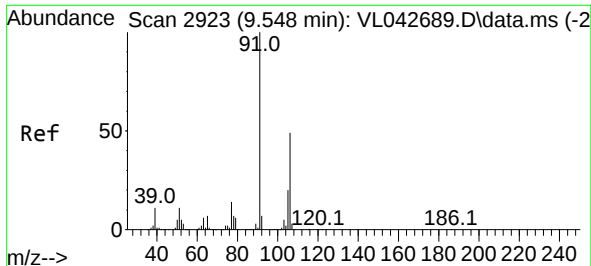
Tgt Ion	Ratio	Lower	Upper
112	100		
77	60.4	56.2	84.4
114	36.3	30.2	37.0



#58
Ethyl Benzene
Concen: 0.399 ppbv
RT: 9.364 min Scan# 2866
Delta R.T. -0.007 min
Lab File: VL042692.D
Acq: 02 Jul 2025 10:01

Tgt Ion	Ratio	Lower	Upper
91	100		
106	32.9	24.9	37.3





#59

m/p-Xylene

Concen: 0.378 ppbv

RT: 9.542 min Scan# 2923

Delta R.T. -0.007 min

Lab File: VL042692.D

Acq: 02 Jul 2025 10:01

Instrument :

MSVOA_L

ClientSampleId :

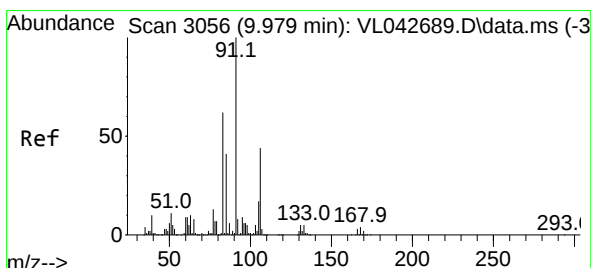
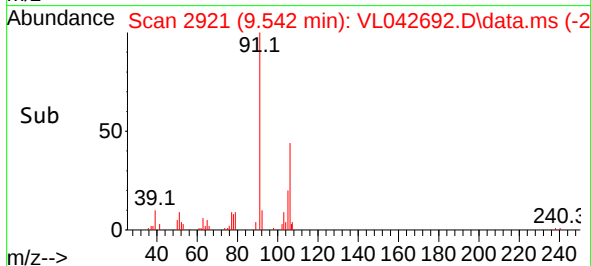
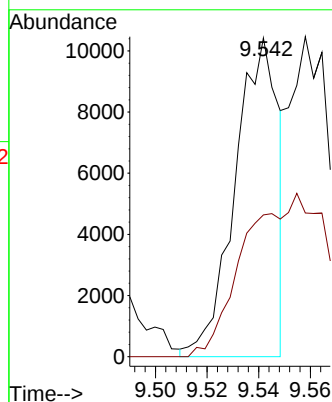
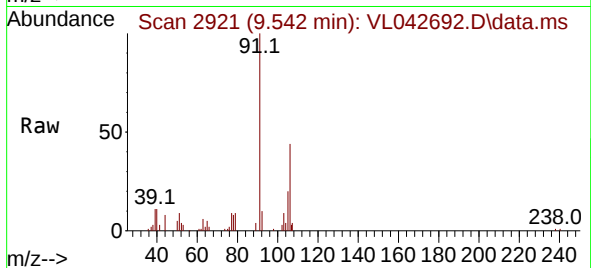
VSTDIC0.5

Tgt Ion: 91 Resp: 12131

Ion Ratio Lower Upper

91 100

106 0.0 37.6 56.4#



#60

o-Xylene

Concen: 0.373 ppbv

RT: 9.969 min Scan# 3053

Delta R.T. -0.010 min

Lab File: VL042692.D

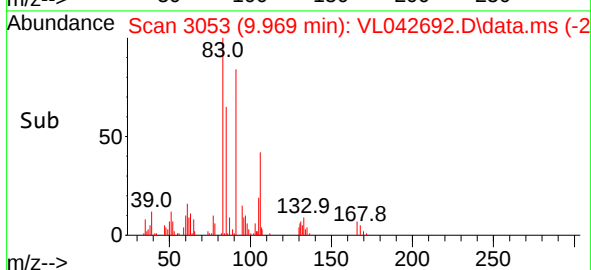
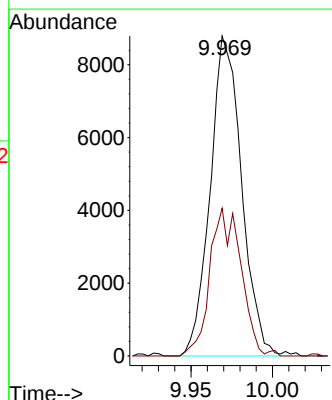
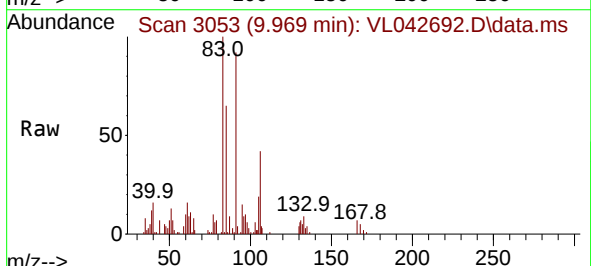
Acq: 02 Jul 2025 10:01

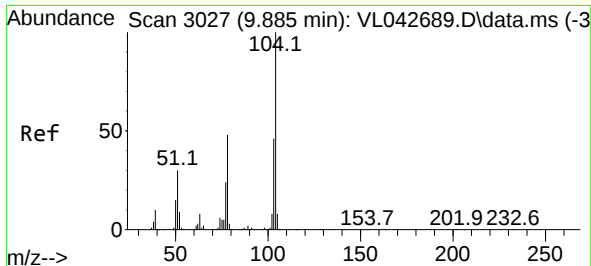
Tgt Ion: 91 Resp: 11759

Ion Ratio Lower Upper

91 100

106 45.9 22.8 68.4

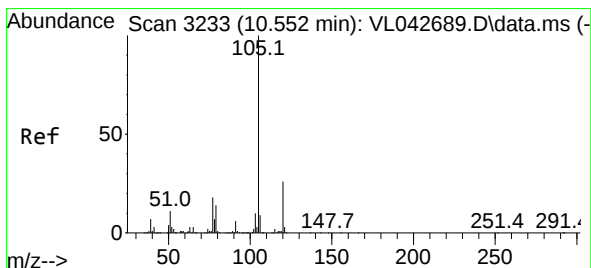
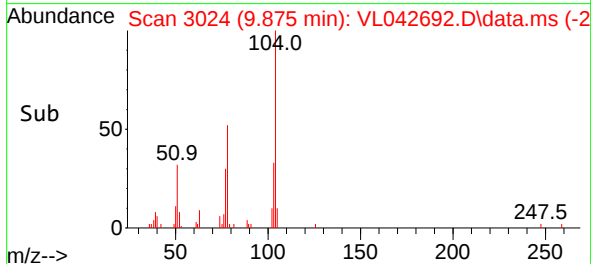
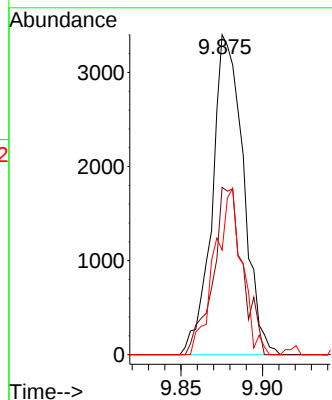
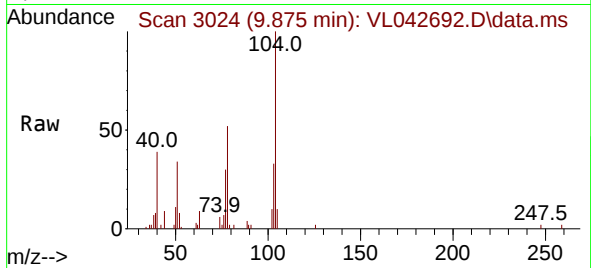




#61
Styrene
Concen: 0.364 ppbv
RT: 9.875 min Scan# 3027
Delta R.T. -0.010 min
Lab File: VL042692.D
Acq: 02 Jul 2025 10:01

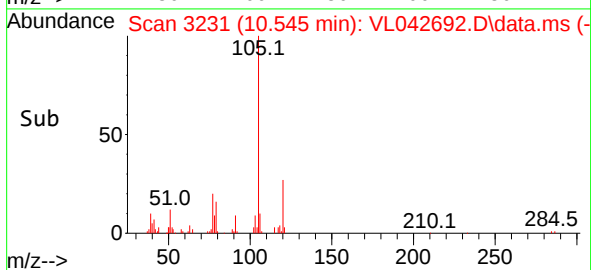
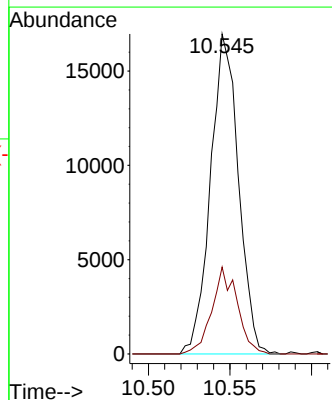
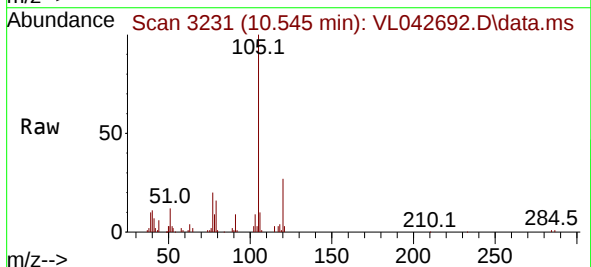
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

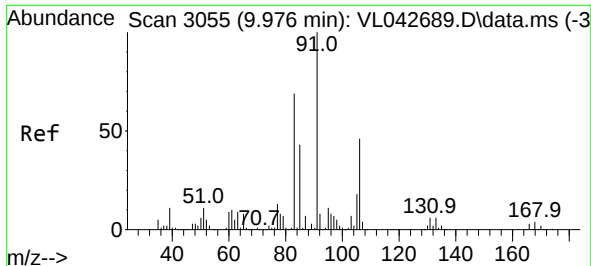
Tgt Ion:104 Resp: 4504
Ion Ratio Lower Upper
104 100
78 49.9 39.0 58.6
103 47.0 37.4 56.0



#62
Isopropylbenzene
Concen: 0.425 ppbv
RT: 10.545 min Scan# 3231
Delta R.T. -0.007 min
Lab File: VL042692.D
Acq: 02 Jul 2025 10:01

Tgt Ion:105 Resp: 20205
Ion Ratio Lower Upper
105 100
120 24.7 20.6 31.0





#63

1,1,2,2-Tetrachloroethane

Concen: 0.504 ppbv

RT: 9.969 min Scan# 3055

Delta R.T. -0.007 min

Lab File: VL042692.D

Acq: 02 Jul 2025 10:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

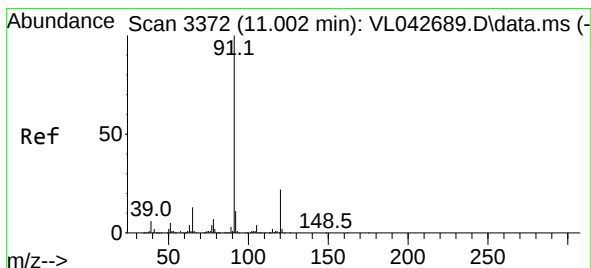
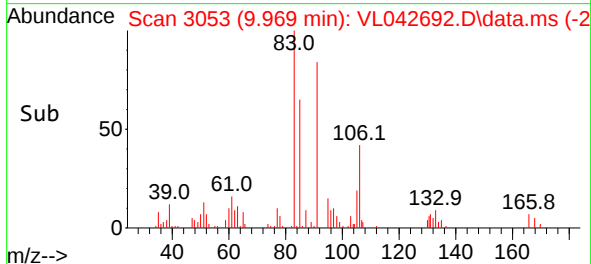
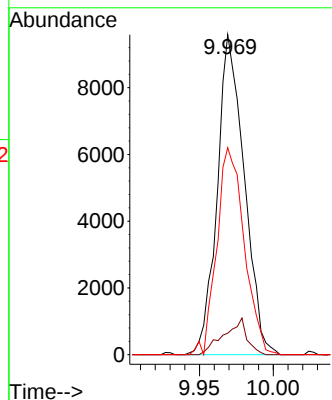
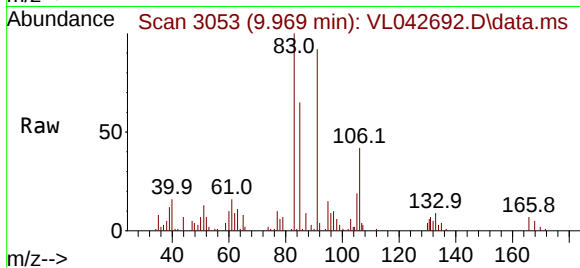
Tgt Ion: 83 Resp: 12230

Ion Ratio Lower Upper

83 100

131 9.6 4.5 13.4

85 65.6 31.5 94.5



#64

n-propylbenzene

Concen: 0.358 ppbv

RT: 10.995 min Scan# 3370

Delta R.T. -0.007 min

Lab File: VL042692.D

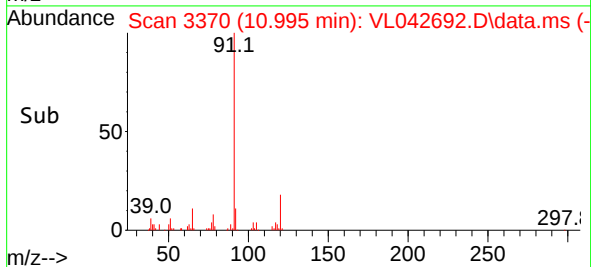
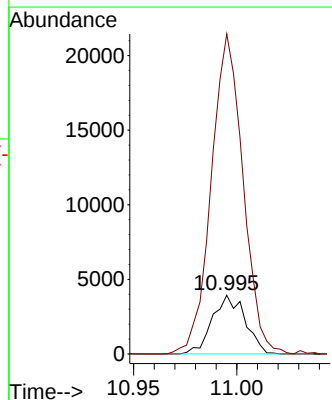
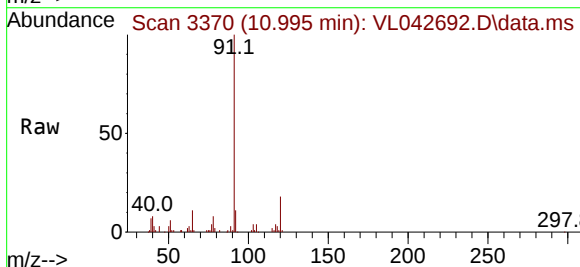
Acq: 02 Jul 2025 10:01

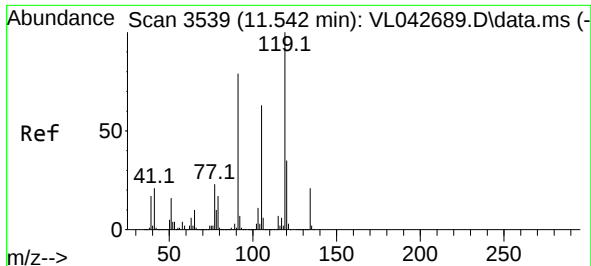
Tgt Ion: 120 Resp: 4354

Ion Ratio Lower Upper

120 100

91 528.4 377.8 566.8

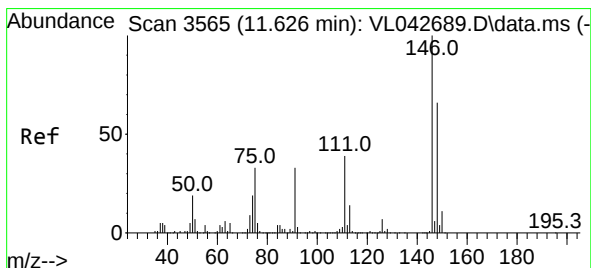
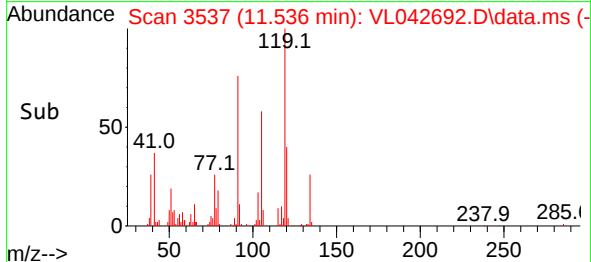
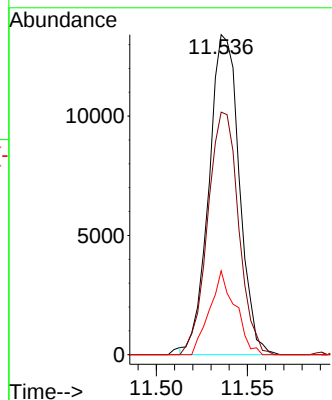
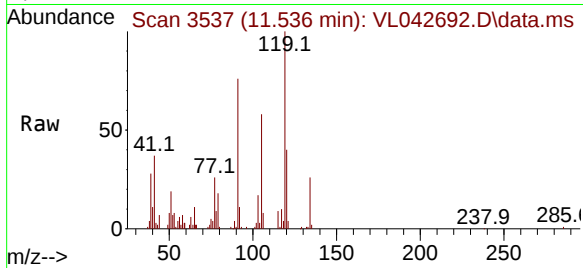




#65
tert-Butylbenzene
Concen: 0.382 ppbv
RT: 11.536 min Scan# 3537
Delta R.T. -0.007 min
Lab File: VL042692.D
Acq: 02 Jul 2025 10:01

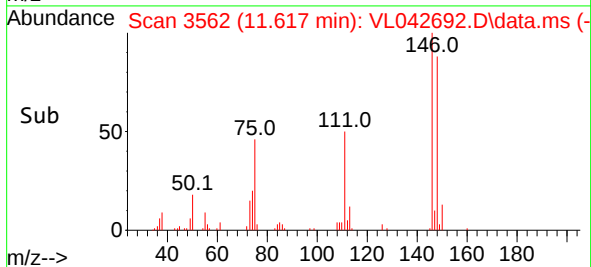
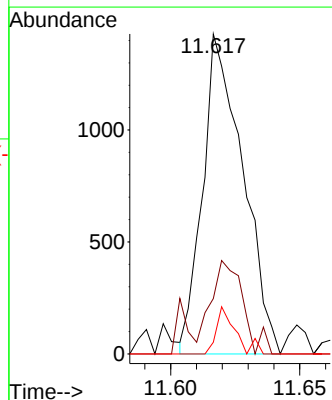
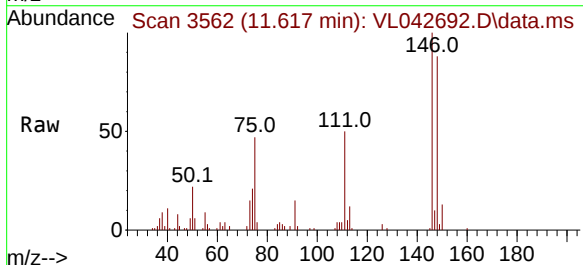
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

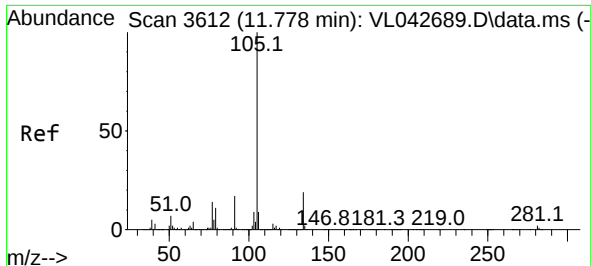
Tgt Ion:	119	Resp:	15561
Ion	Ratio	Lower	Upper
119	100		
91	77.0	62.6	93.8
134	22.2	16.9	25.3



#66
Benzyl Chloride
Concen: 0.391 ppbv
RT: 11.617 min Scan# 3562
Delta R.T. -0.010 min
Lab File: VL042692.D
Acq: 02 Jul 2025 10:01

Tgt Ion:	91	Resp:	1543
Ion	Ratio	Lower	Upper
91	100		
126	28.3	14.8	22.2#
128	7.0	4.7	7.1

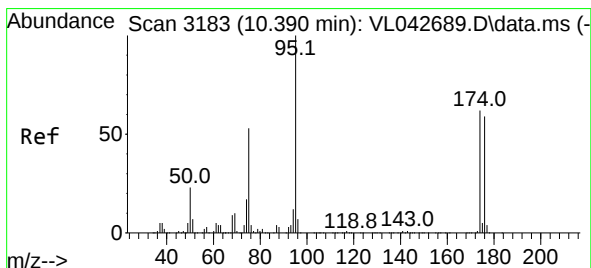
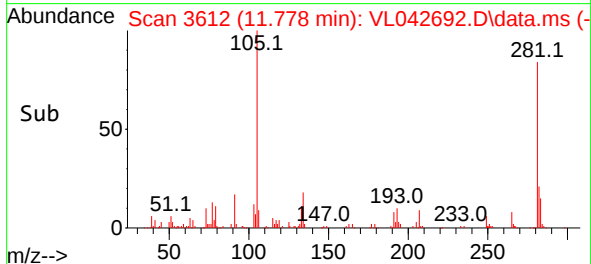
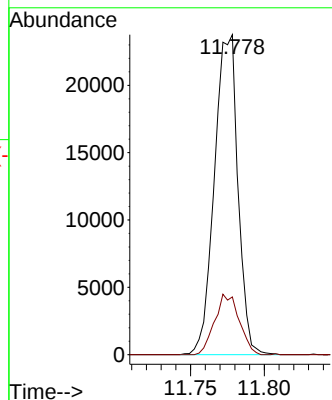
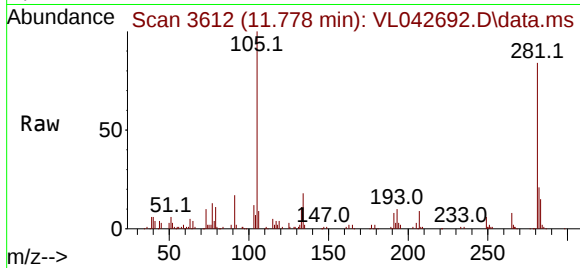




#67
 sec-Butylbenzene
 Concen: 0.423 ppbv
 RT: 11.778 min Scan# 3612
 Delta R.T. -0.000 min
 Lab File: VL042692.D
 Acq: 02 Jul 2025 10:01

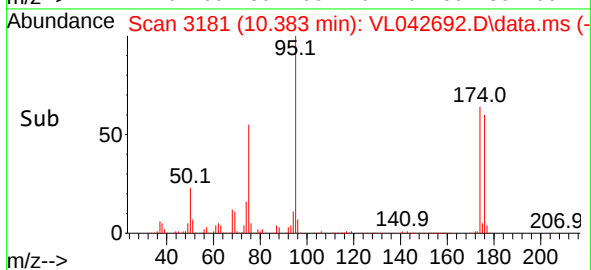
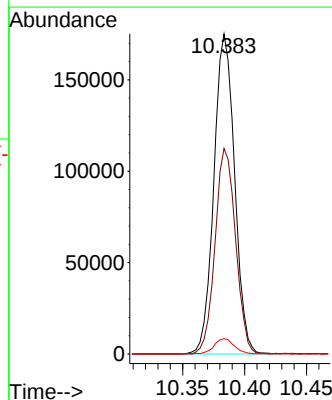
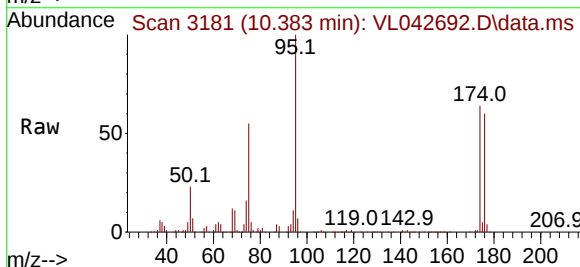
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.5

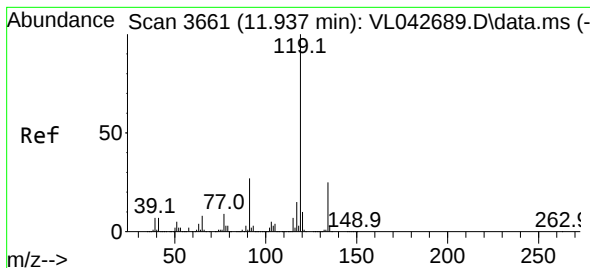
Tgt Ion:105 Resp: 26399
 Ion Ratio Lower Upper
 105 100
 134 19.7 15.0 22.6



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.032 ppbv
 RT: 10.383 min Scan# 3181
 Delta R.T. -0.007 min
 Lab File: VL042692.D
 Acq: 02 Jul 2025 10:01

Tgt Ion: 95 Resp: 204100
 Ion Ratio Lower Upper
 95 100
 174 63.8 51.2 76.8
 175 4.7 3.8 5.8

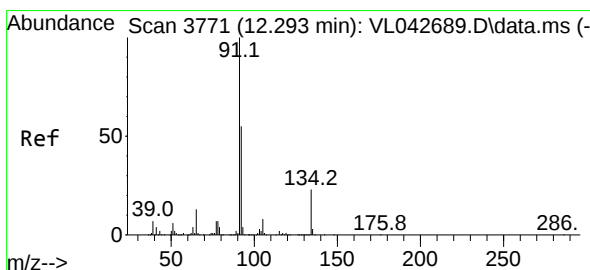
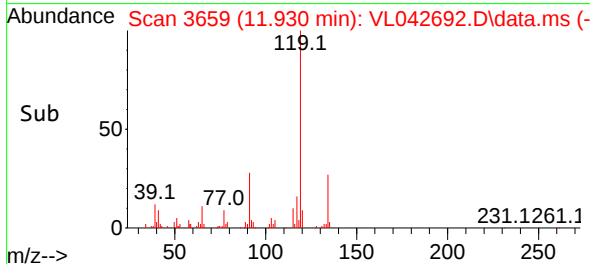
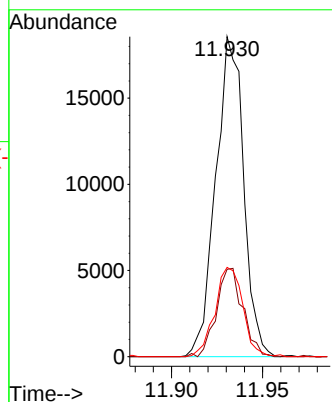
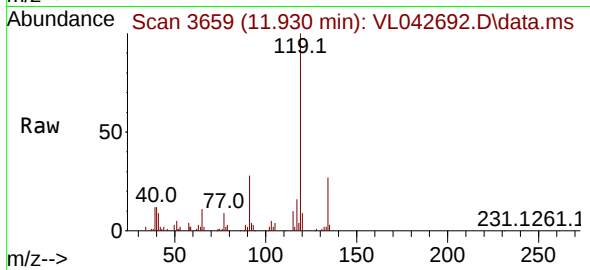




#69
 p-Isopropyltoluene
 Concen: 0.398 ppbv
 RT: 11.930 min Scan# 3659
 Delta R.T. -0.007 min
 Lab File: VL042692.D
 Acq: 02 Jul 2025 10:01

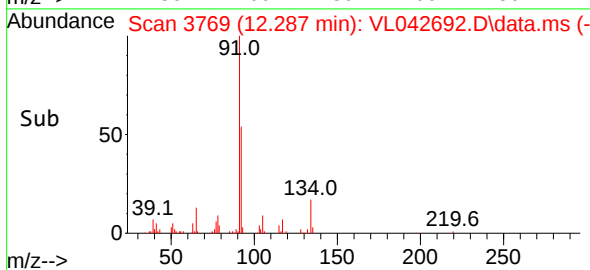
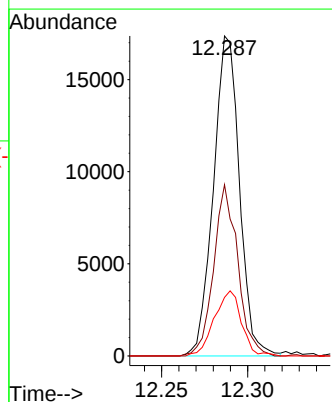
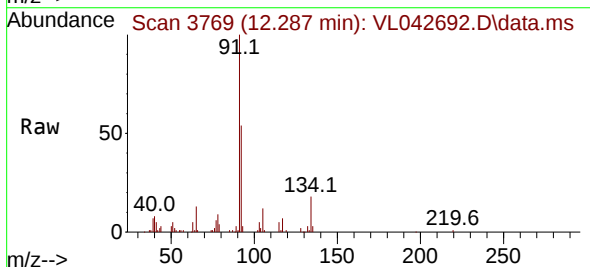
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

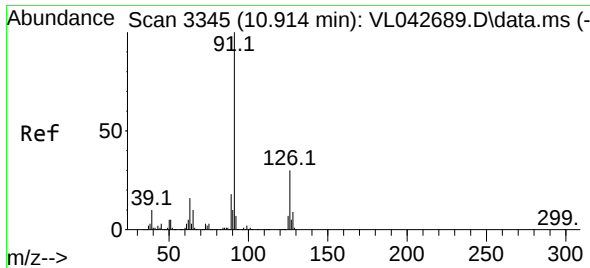
Tgt Ion:119 Resp: 19758
 Ion Ratio Lower Upper
 119 100
 134 26.2 20.6 31.0
 91 28.0 21.4 32.2



#70
 n-Butylbenzene
 Concen: 0.366 ppbv
 RT: 12.287 min Scan# 3769
 Delta R.T. -0.007 min
 Lab File: VL042692.D
 Acq: 02 Jul 2025 10:01

Tgt Ion: 91 Resp: 18308
 Ion Ratio Lower Upper
 91 100
 92 49.5 44.2 66.2
 134 21.2 18.6 27.8

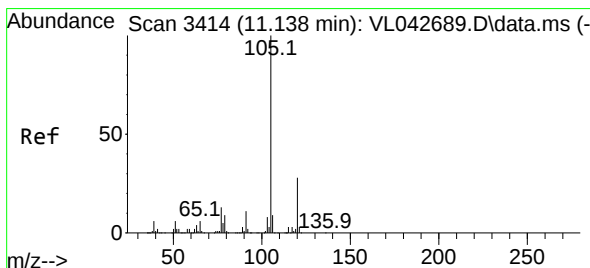
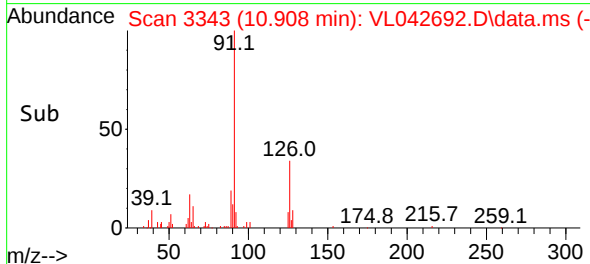
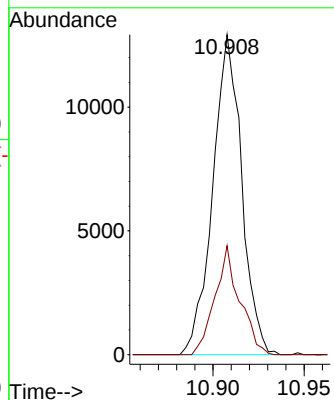
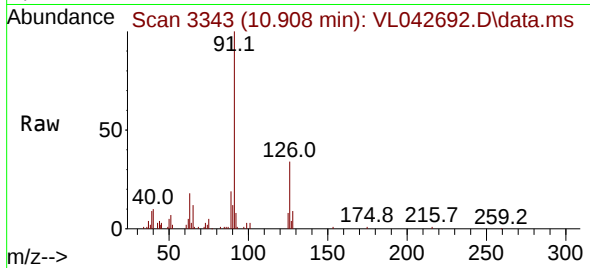




#71
2-Chlorotoluene
Concen: 0.404 ppbv
RT: 10.908 min Scan# 31
Delta R.T. -0.007 min
Lab File: VL042692.D
Acq: 02 Jul 2025 10:01

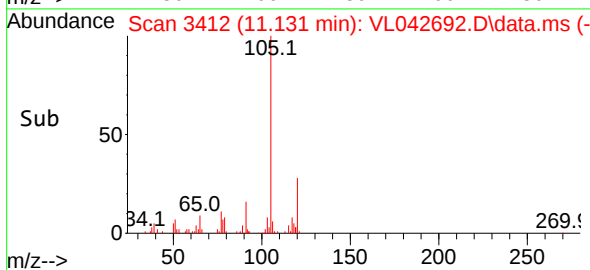
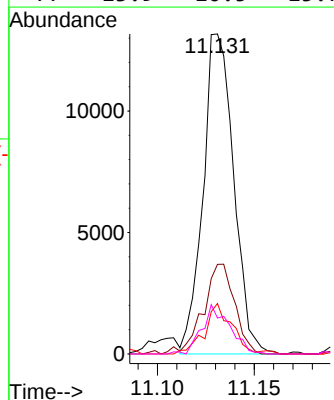
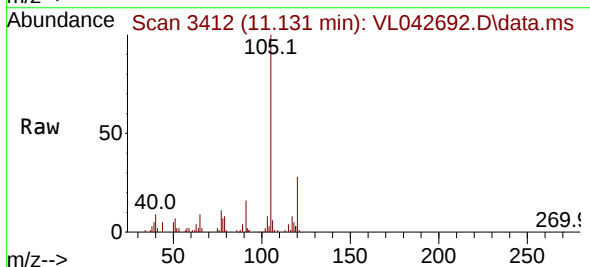
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

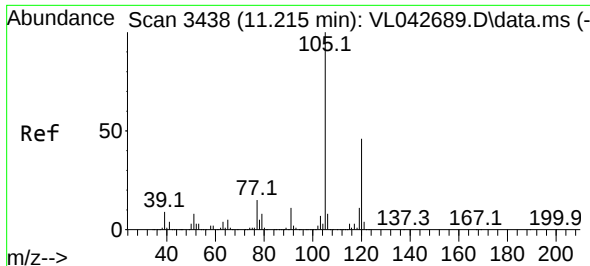
Tgt Ion: 91 Resp: 14226
Ion Ratio Lower Upper
91 100
126 29.2 11.8 47.4



#72
4-Ethyltoluene
Concen: 0.378 ppbv
RT: 11.131 min Scan# 3412
Delta R.T. -0.007 min
Lab File: VL042692.D
Acq: 02 Jul 2025 10:01

Tgt Ion: 105 Resp: 14541
Ion Ratio Lower Upper
105 100
120 29.0 23.8 35.6
91 14.3 9.7 14.5
77 13.9 10.5 15.7

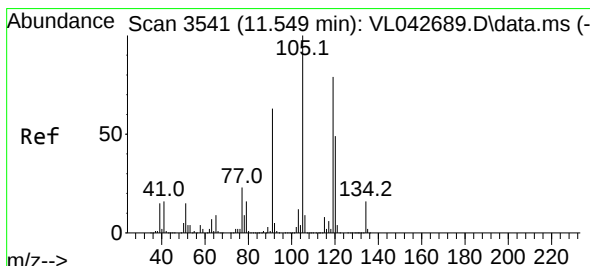
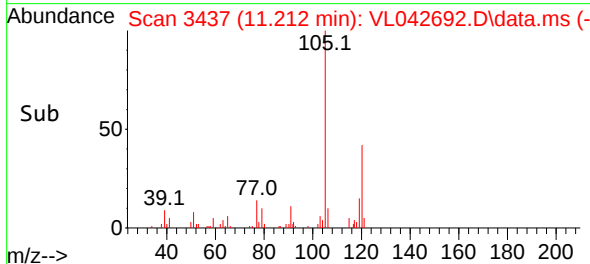
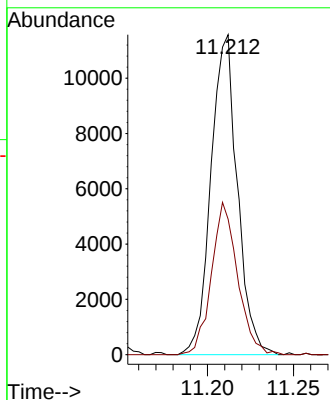
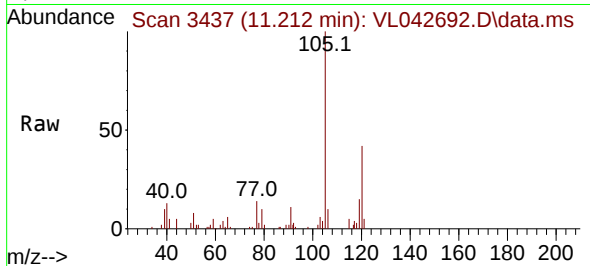




#73
1,3,5-Trimethylbenzene
Concen: 0.382 ppbv
RT: 11.212 min Scan# 3438
Delta R.T. -0.003 min
Lab File: VL042692.D
Acq: 02 Jul 2025 10:01

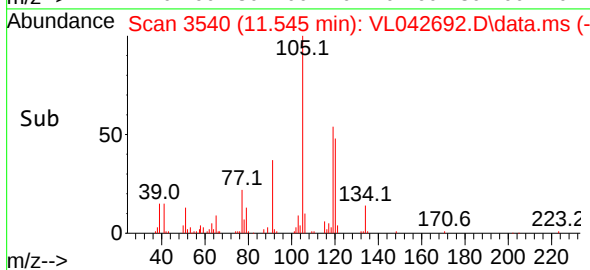
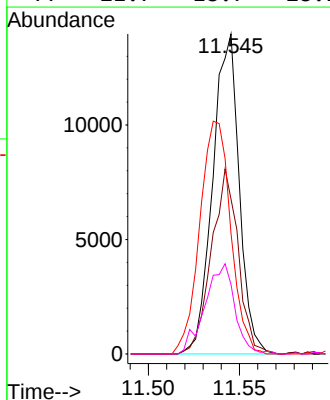
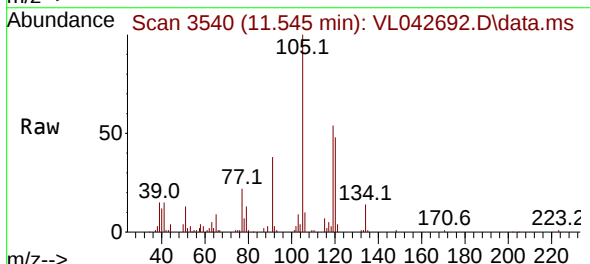
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

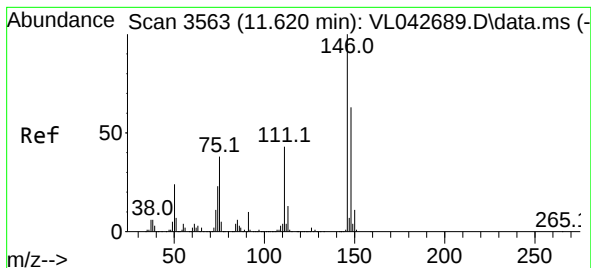
Tgt Ion:105 Resp: 12371
Ion Ratio Lower Upper
105 100
120 42.4 37.0 55.4



#74
1,2,4-Trimethylbenzene
Concen: 0.381 ppbv
RT: 11.545 min Scan# 3540
Delta R.T. -0.003 min
Lab File: VL042692.D
Acq: 02 Jul 2025 10:01

Tgt Ion:105 Resp: 14096
Ion Ratio Lower Upper
105 100
120 48.4 39.6 59.4
91 37.7 51.0 76.6#
77 21.7 18.7 28.1





#75

1,3-Dichlorobenzene

Concen: 0.484 ppbv

RT: 11.613 min Scan# 3561

Delta R.T. -0.007 min

Lab File: VL042692.D

Acq: 02 Jul 2025 10:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

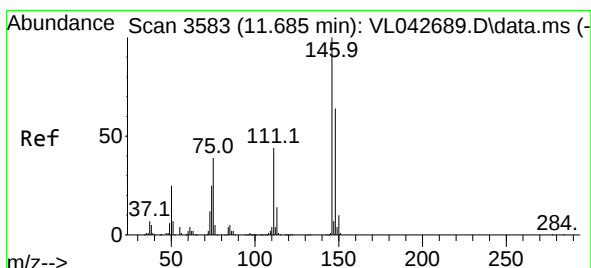
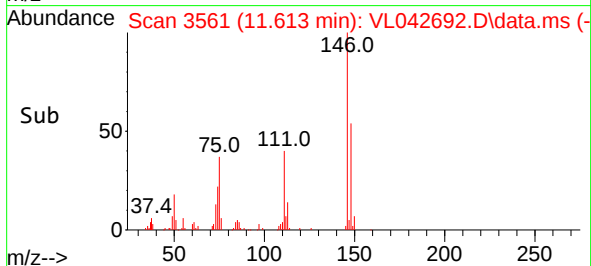
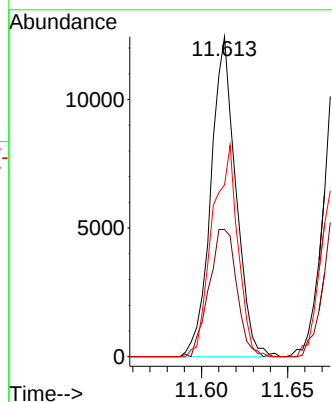
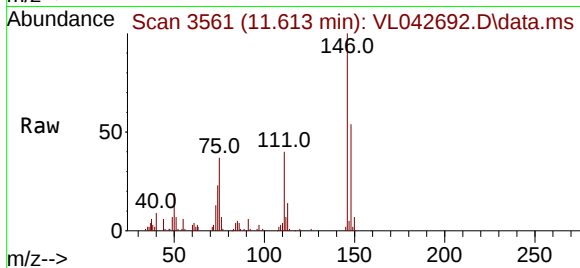
Tgt Ion:146 Resp: 12551

Ion Ratio Lower Upper

146 100

111 44.3 21.6 65.0

148 67.5 31.6 94.7



#76

1,4-Dichlorobenzene

Concen: 0.454 ppbv

RT: 11.678 min Scan# 3581

Delta R.T. -0.007 min

Lab File: VL042692.D

Acq: 02 Jul 2025 10:01

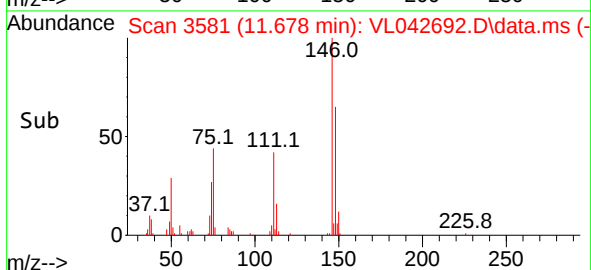
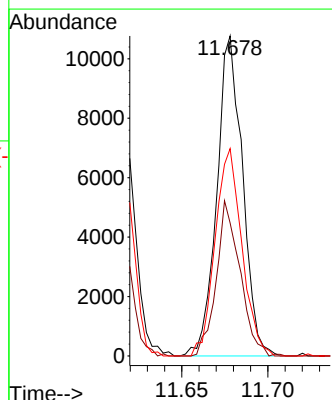
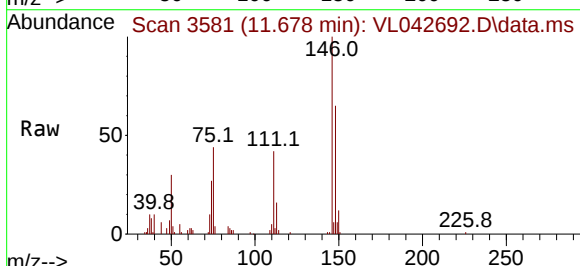
Tgt Ion:146 Resp: 11188

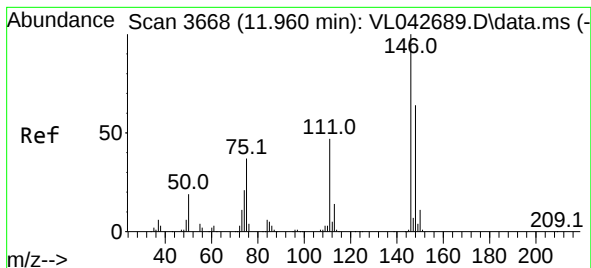
Ion Ratio Lower Upper

146 100

111 44.8 21.4 64.3

148 67.5 31.8 95.4





#77

1,2-Dichlorobenzene

Concen: 0.515 ppbv

RT: 11.953 min Scan# 3666

Delta R.T. -0.007 min

Lab File: VL042692.D

Acq: 02 Jul 2025 10:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

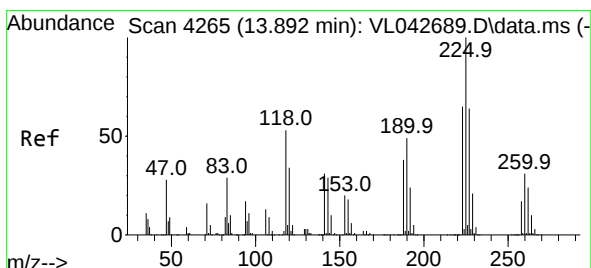
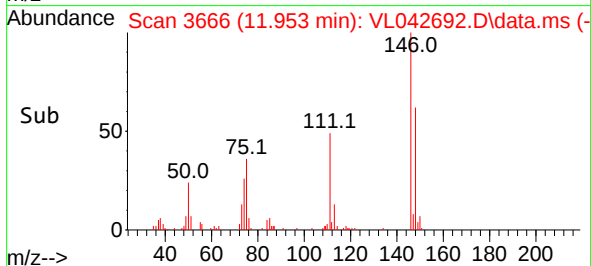
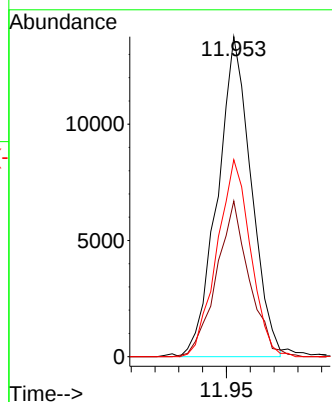
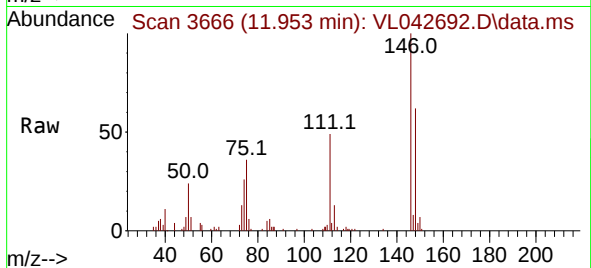
Tgt Ion:146 Resp: 13512

Ion Ratio Lower Upper

146 100

111 47.4 22.9 68.8

148 61.4 31.9 95.7



#78

Hexachloro-1,3-Butadiene

Concen: 0.540 ppbv

RT: 13.885 min Scan# 4263

Delta R.T. -0.007 min

Lab File: VL042692.D

Acq: 02 Jul 2025 10:01

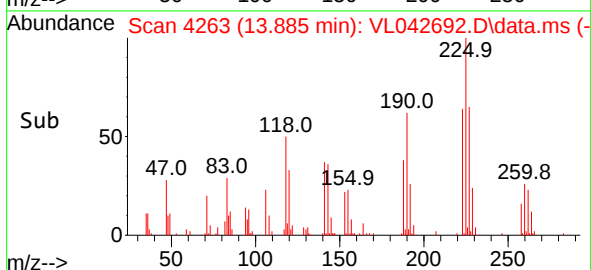
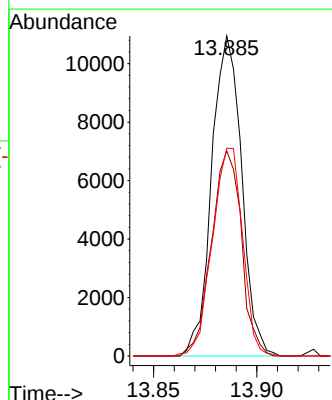
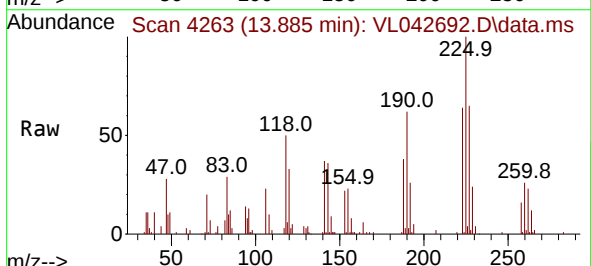
Tgt Ion:225 Resp: 11034

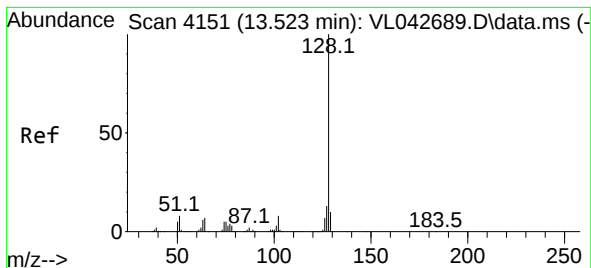
Ion Ratio Lower Upper

225 100

223 64.2 50.5 75.7

227 65.6 50.0 75.0





#79

Naphthalene

Concen: 0.283 ppbv

RT: 13.520 min Scan# 4151

Delta R.T. -0.003 min

Lab File: VL042692.D

Acq: 02 Jul 2025 10:01

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.5

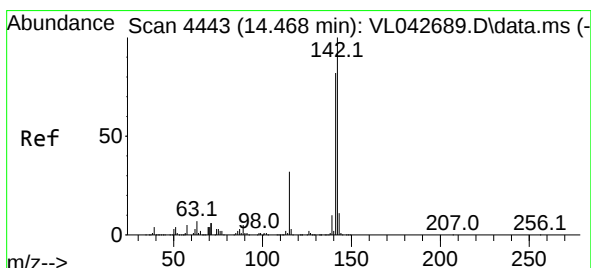
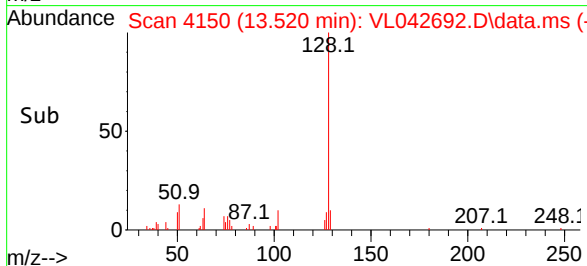
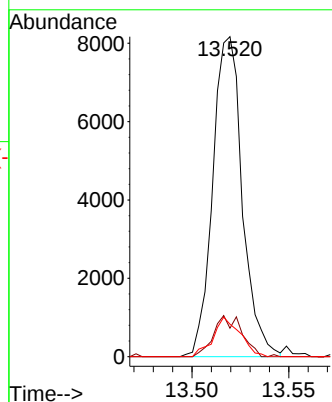
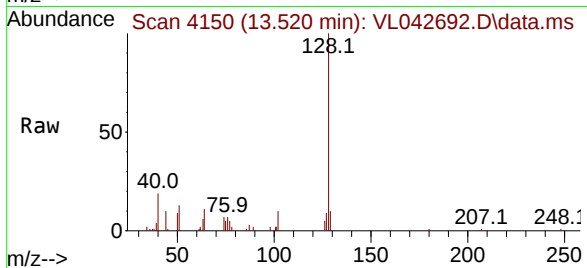
Tgt Ion:128 Resp: 8668

Ion Ratio Lower Upper

128 100

127 8.9 10.2 15.4#

129 10.1 8.2 12.2



#80

Naphthalene,2-methyl-

Concen: 0.198 ppbv

RT: 14.462 min Scan# 4441

Delta R.T. -0.007 min

Lab File: VL042692.D

Acq: 02 Jul 2025 10:01

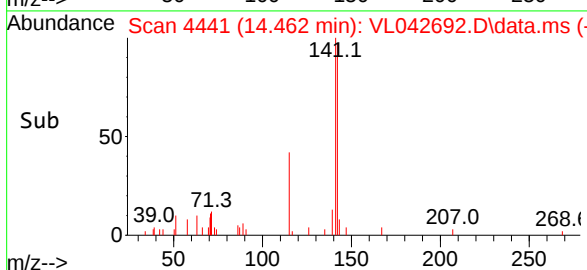
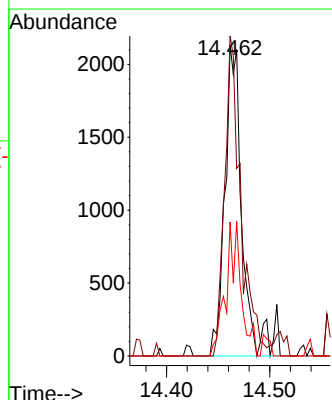
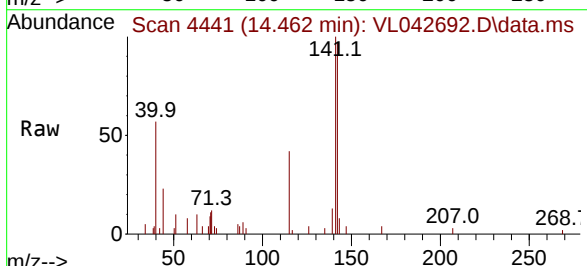
Tgt Ion:142 Resp: 2536

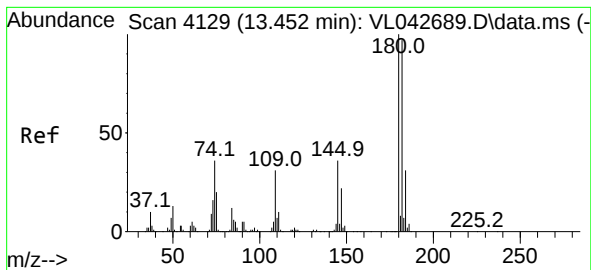
Ion Ratio Lower Upper

142 100

141 99.5 67.4 101.2

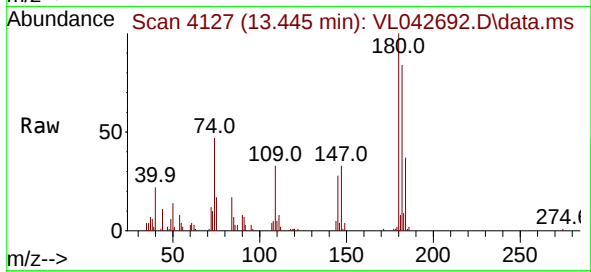
115 39.9 26.9 40.3





#81
 1,2,4-Trichlorobenzene
 Concen: 0.323 ppbv
 RT: 13.445 min Scan# 41
 Delta R.T. -0.007 min
 Lab File: VL042692.D
 Acq: 02 Jul 2025 10:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



Tgt Ion:	180	Resp:	5818
Ion	Ratio	Lower	Upper
180	100		
182	88.9	76.7	115.1
184	32.8	24.4	36.6

