

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL070225\
 Data File : VL042691.D
 Acq On : 02 Jul 2025 09:28
 Operator : SY/MD
 Sample : VSTDICC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

Quant Time: Jul 03 01:26:40 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	2.794	49	122042	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.968	114	305483	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.891	117	263429	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.387	95	203435	10.040	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.400%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	13214	1.034	ppbv	100
3) Chlorodifluoromethane	1.480	51	20689	1.083	ppbv	97
4) Chloromethane	1.535	50	5440	1.086	ppbv	92
5) Vinyl Chloride	1.583	62	4311	0.856	ppbv	99
6) Bromomethane	1.670	94	2395	1.064	ppbv #	76
7) Chloroethane	1.709	64	2066	1.068	ppbv	97
8) Dichlorotetrafluoroethane	1.557	85	10757	1.016	ppbv	98
9) Propene	1.486	41	7269	1.017	ppbv	97
10) Heptane	4.998	43	17761	0.916	ppbv	91
11) Trichlorofluoromethane	1.881	101	14164	1.051	ppbv	96
12) 1,1,2-Trichlorotrifluo...	2.143	101	11318	1.061	ppbv	95
13) Ethanol	1.725	45	795	1.171	ppbv	72
14) Bromoethene	1.787	108	3790	1.020	ppbv	95
15) Acetone	1.839	43	13196	1.090	ppbv	94
16) 1,3-Butadiene	1.612	39	5928	1.063	ppbv	93
17) tert-Butyl alcohol	2.046	59	12101	1.025	ppbv	99
18) 1,1-Dichloroethene	2.039	96	4779	1.009	ppbv	90
19) Isopropyl Alcohol	1.891	45	6861	0.986	ppbv #	1
20) Methylene Chloride	2.069	84	4922	1.063	ppbv	93
21) Allyl Chloride	2.101	41	8443	1.000	ppbv	96
22) trans-1,2-Dichloroethene	2.347	96	5076	0.984	ppbv	95
23) Vinyl Acetate	2.470	43	18307	0.935	ppbv	97
24) 1,1-Dichloroethane	2.415	63	11310	1.060	ppbv	96
25) Ethyl Acetate	2.845	43	35741	0.976	ppbv	96
26) Hexane	2.832	57	15131	0.991	ppbv	97
27) Carbon Disulfide	2.156	76	12785	1.026	ppbv #	78
28) Methyl tert-Butyl Ether	2.447	73	6208	0.993	ppbv	97
29) Chloroform	2.855	83	24283	1.052	ppbv	99
30) Cyclohexane	3.868	84	11035	0.956	ppbv	94
31) cis-1,2-Dichloroethene	2.729	61	15056	1.036	ppbv	94
32) 1,1,1-Trichloroethane	3.379	97	20910	0.948	ppbv	97
34) 2-Butanone	2.567	43	25091	1.038	ppbv	98
35) Carbon Tetrachloride	3.771	117	21021	0.992	ppbv	88
36) Benzene	3.667	78	32089	1.042	ppbv	93
37) 1,2-Dichloroethane	3.231	62	17166	1.050	ppbv	98
38) Trichloroethene	4.567	130	12890	0.969	ppbv #	80
39) 1,2-Dichloropropane	4.324	63	12193	1.015	ppbv	95
40) 1,4-Dioxane	4.606	88	3880	0.841	ppbv #	59
41) Tetrahydrofuran	3.069	42	11715	0.951	ppbv	99
42) Bromodichloromethane	4.503	83	23463	1.013	ppbv #	92
43) Methyl Methacrylate	4.891	69	4347	0.440	ppbv #	1
44) 2,2,4-Trimethylpentane	4.651	57	49906	0.971	ppbv	94
45) t-1,3-Dichloropropene	6.438	75	3320	0.320	ppbv	89

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL070225\
 Data File : VL042691.D
 Acq On : 02 Jul 2025 09:28
 Operator : SY/MD
 Sample : VSTDICC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

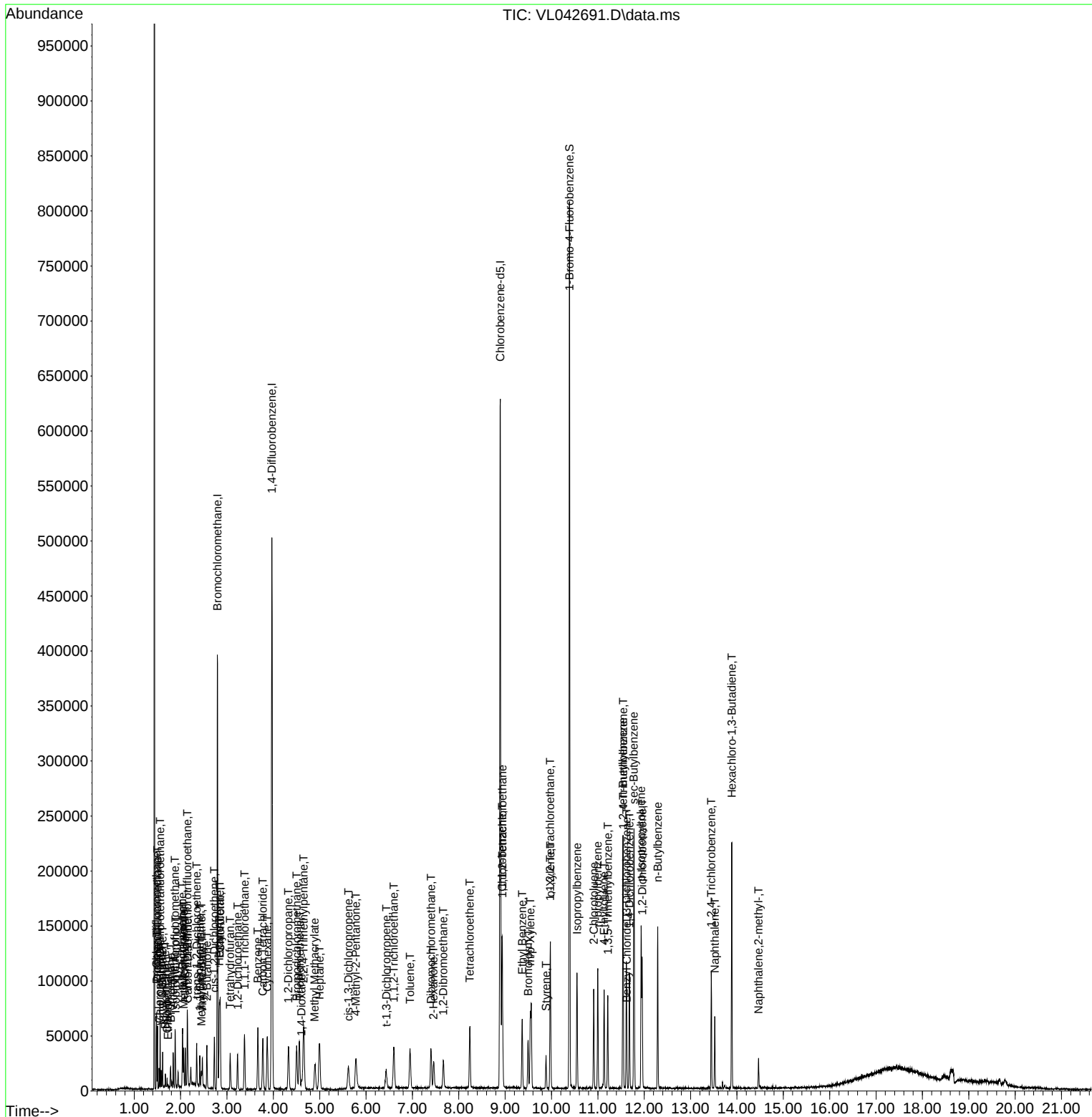
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

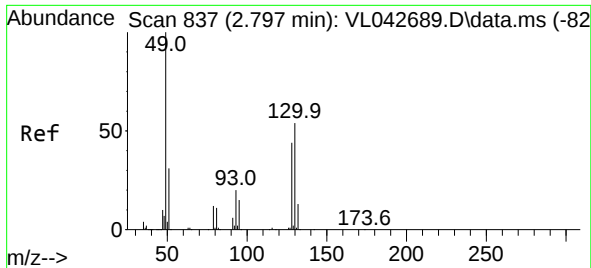
Quant Time: Jul 03 01:26:40 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL070225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Jul 03 01:24:10 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.619	75	13366	0.932	ppbv	92
47) 1,1,2-Trichloroethane	6.597	97	11432	0.967	ppbv	94
48) Dibromochloromethane	7.399	129	18446	1.019	ppbv	95
49) Bromoform	9.497	173	16000	1.023	ppbv	99
50) 4-Methyl-2-Pentanone	5.778	43	12310	0.436	ppbv #	39
51) 2-Hexanone	7.454	43	17236	0.835	ppbv #	96
52) Tetrachloroethene	8.238	164	10305	0.998	ppbv	95
53) Toluene	6.949	91	26314	0.915	ppbv	99
54) 1,2-Dibromoethane	7.665	107	15978	0.968	ppbv	97
56) 1,1,1,2-Tetrachloroethane	8.940	131	15492	1.088	ppbv	97
57) Chlorobenzene	8.937	112	28166	1.066	ppbv #	93
58) Ethyl Benzene	9.367	91	34160	0.897	ppbv	100
59) m/p-Xylene	9.545	91	28538	0.894	ppbv #	30
60) o-Xylene	9.976	91	30409	0.969	ppbv	99
61) Styrene	9.882	104	10327	0.837	ppbv	97
62) Isopropylbenzene	10.552	105	45619	0.963	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.972	83	25045	1.036	ppbv	99
64) n-propylbenzene	10.995	120	12111	0.998	ppbv	100
65) tert-Butylbenzene	11.539	119	39720	0.979	ppbv	98
66) Benzyl Chloride	11.626	91	3571	0.909	ppbv #	97
67) sec-Butylbenzene	11.775	105	64205	1.033	ppbv	97
69) p-Isopropyltoluene	11.934	119	48735	0.986	ppbv	98
70) n-Butylbenzene	12.290	91	47831	0.960	ppbv	96
71) 2-Chlorotoluene	10.911	91	33676	0.961	ppbv	100
72) 4-Ethyltoluene	11.134	105	35361	0.923	ppbv #	97
73) 1,3,5-Trimethylbenzene	11.215	105	31466	0.974	ppbv	93
74) 1,2,4-Trimethylbenzene	11.545	105	38012	1.032	ppbv	88
75) 1,3-Dichlorobenzene	11.617	146	27976	1.082	ppbv	98
76) 1,4-Dichlorobenzene	11.681	146	25814	1.052	ppbv	97
77) 1,2-Dichlorobenzene	11.957	146	28060	1.075	ppbv	98
78) Hexachloro-1,3-Butadiene	13.889	225	23328	1.147	ppbv	96
79) Naphthalene	13.523	128	29658	0.971	ppbv	98
80) Naphthalene,2-methyl-	14.465	142	7977	0.625	ppbv	98
81) 1,2,4-Trichlorobenzene	13.445	180	17882	0.998	ppbv	99

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

Quant Time: Jul 03 01:26:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL070225AIR.M
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QLast Update : Thu Jul 03 01:24:10 2025
Response via : Initial Calibration

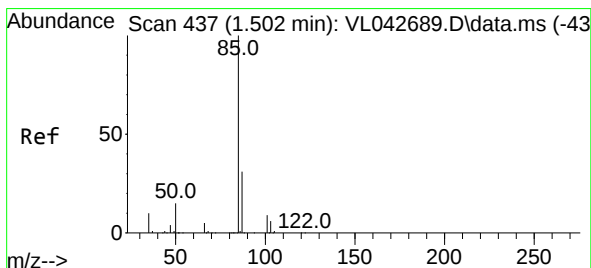
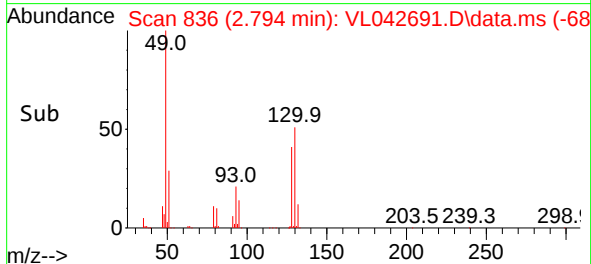
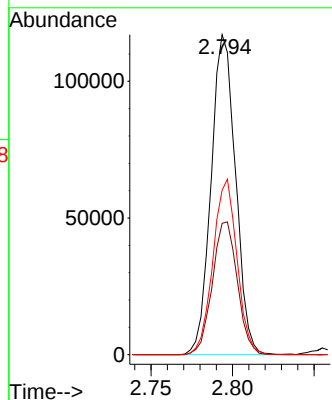
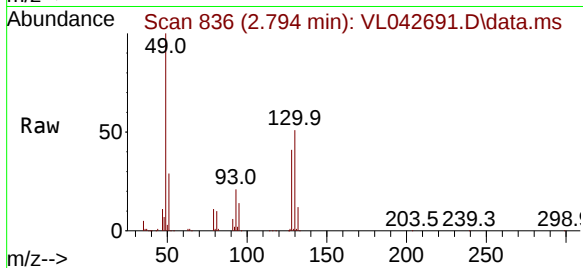




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.794 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL042691.D
Acq: 02 Jul 2025 09:28

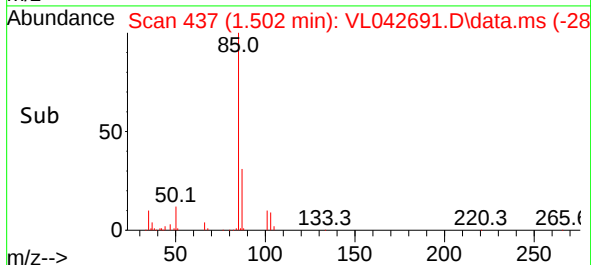
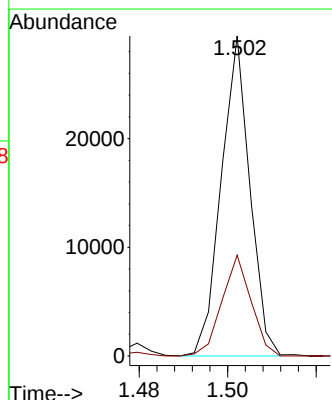
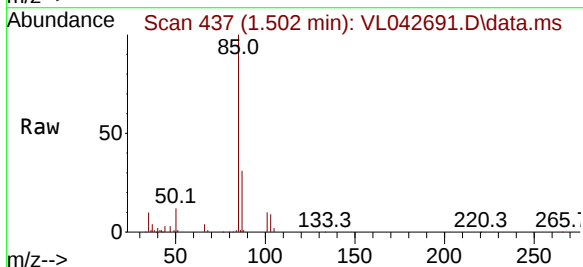
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

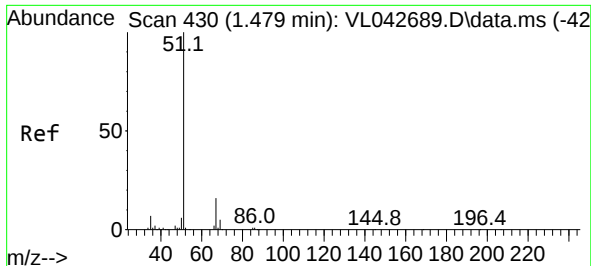
Tgt Ion: 49 Resp: 122042
Ion Ratio Lower Upper
49 100
128 42.4 21.4 64.2
130 53.8 28.0 84.0



#2
Dichlorodifluoromethane
Concen: 1.034 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.000 min
Lab File: VL042691.D
Acq: 02 Jul 2025 09:28

Tgt Ion: 85 Resp: 13214
Ion Ratio Lower Upper
85 100
87 31.5 25.1 37.7

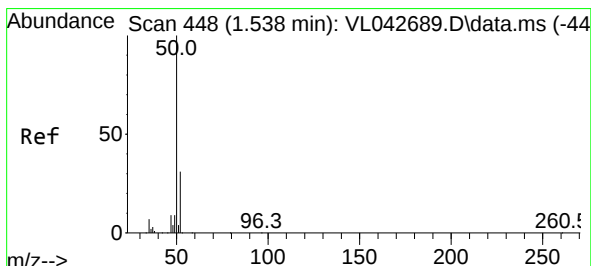
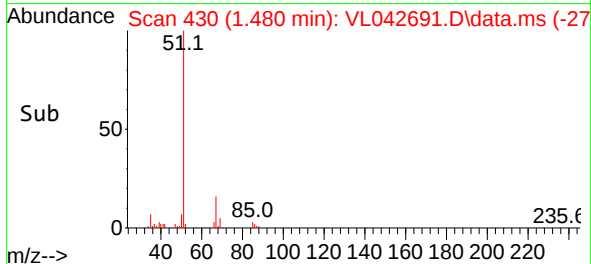
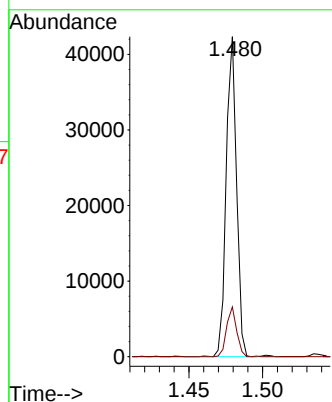
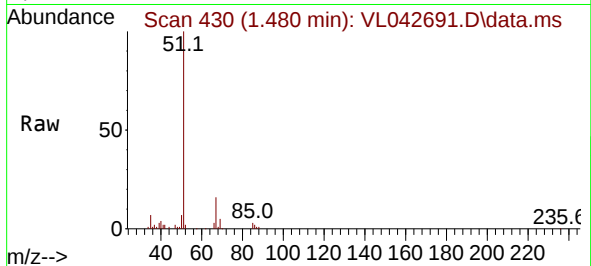




#3
Chlorodifluoromethane
Concen: 1.083 ppbv
RT: 1.480 min Scan# 41
Delta R.T. 0.000 min
Lab File: VL042691.D
Acq: 02 Jul 2025 09:28

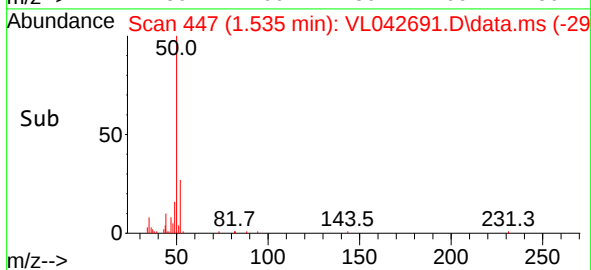
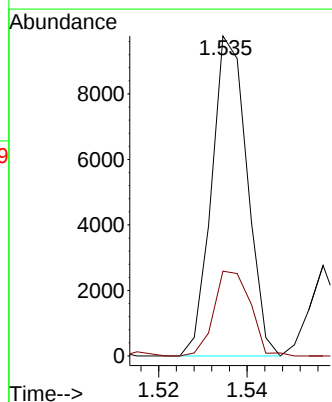
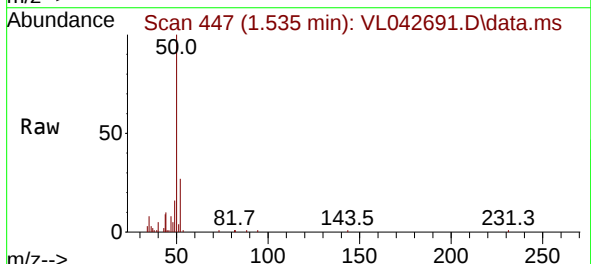
Instrument :
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ClientSampleId :
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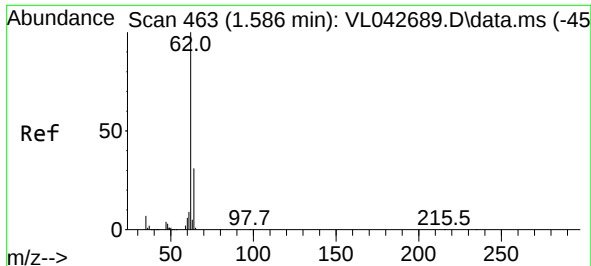
Tgt Ion: 51 Resp: 20689
Ion Ratio Lower Upper
51 100
67 15.3 13.1 19.7



#4
Chloromethane
Concen: 1.086 ppbv
RT: 1.535 min Scan# 447
Delta R.T. -0.003 min
Lab File: VL042691.D
Acq: 02 Jul 2025 09:28

Tgt Ion: 50 Resp: 5440
Ion Ratio Lower Upper
50 100
52 26.5 24.8 37.2

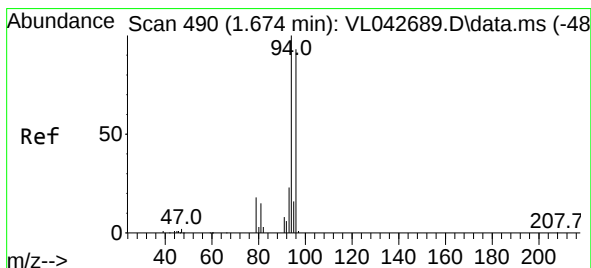
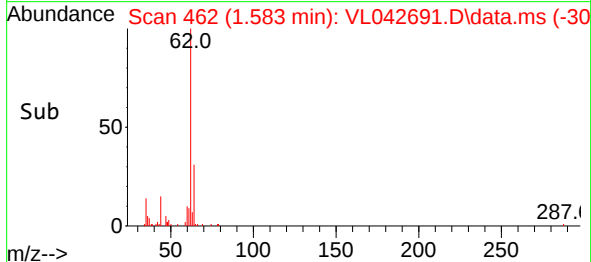
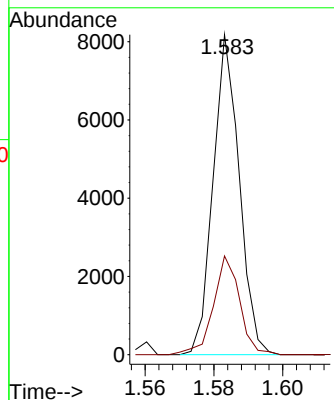
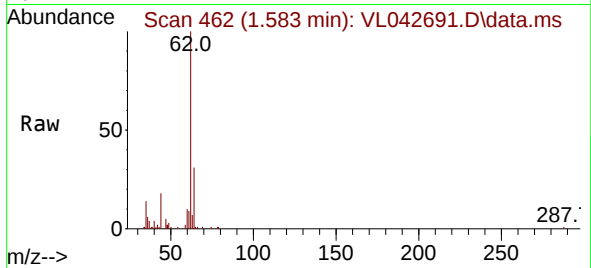




#5
 Vinyl Chloride
 Concen: 0.856 ppbv
 RT: 1.583 min Scan# 462
 Delta R.T. -0.003 min
 Lab File: VL042691.D
 Acq: 02 Jul 2025 09:28

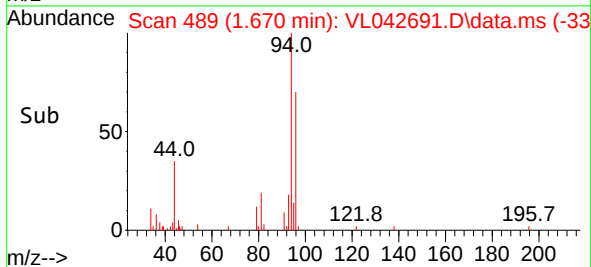
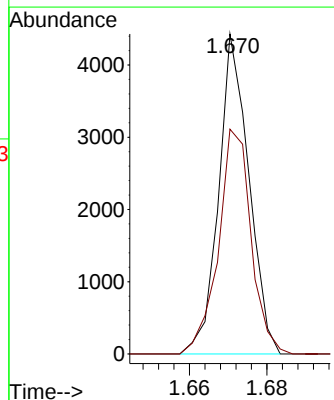
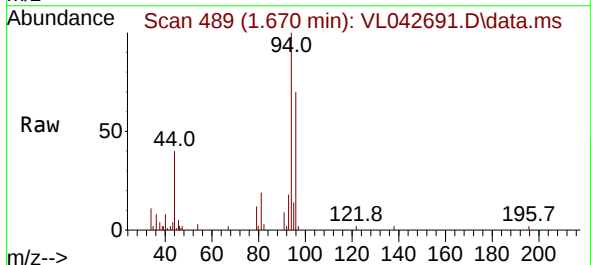
Instrument :
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 ClientSampleId :
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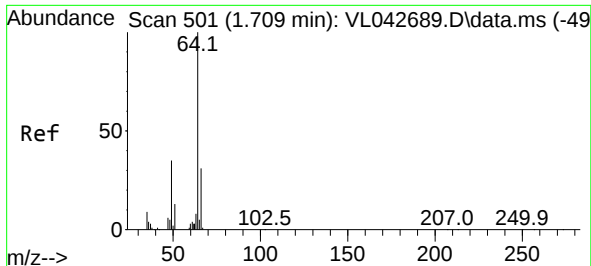
Tgt Ion: 62 Resp: 4311
 Ion Ratio Lower Upper
 62 100
 64 30.9 25.1 37.7



#6
 Bromomethane
 Concen: 1.064 ppbv
 RT: 1.670 min Scan# 489
 Delta R.T. -0.003 min
 Lab File: VL042691.D
 Acq: 02 Jul 2025 09:28

Tgt Ion: 94 Resp: 2395
 Ion Ratio Lower Upper
 94 100
 96 70.3 74.6 112.0#

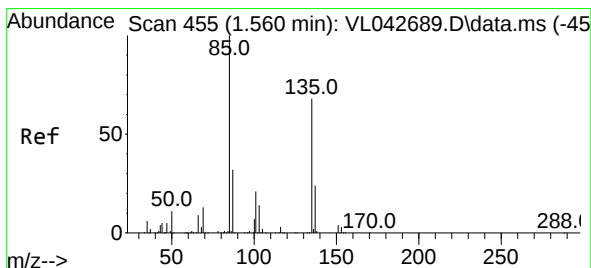
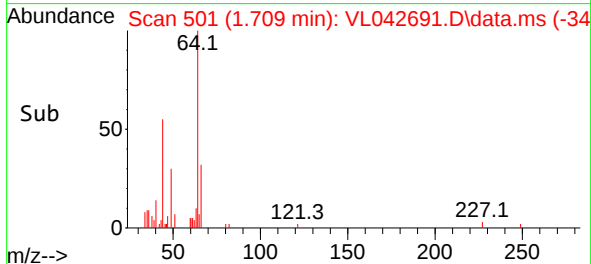
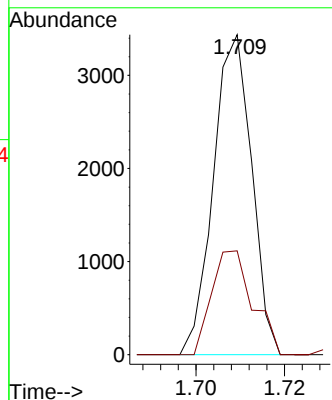
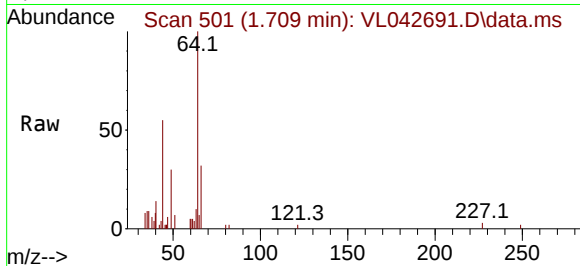




#7
Chloroethane
Concen: 1.068 ppbv
RT: 1.709 min Scan# 501
Delta R.T. 0.000 min
Lab File: VL042691.D
Acq: 02 Jul 2025 09:28

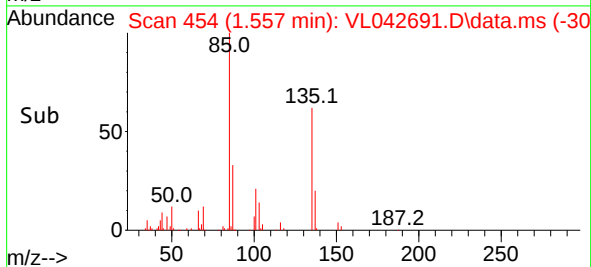
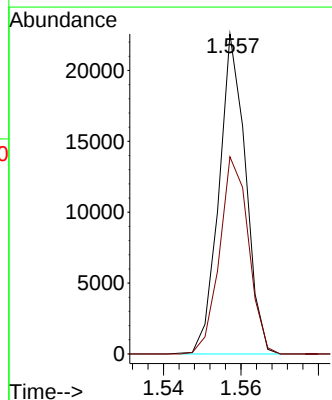
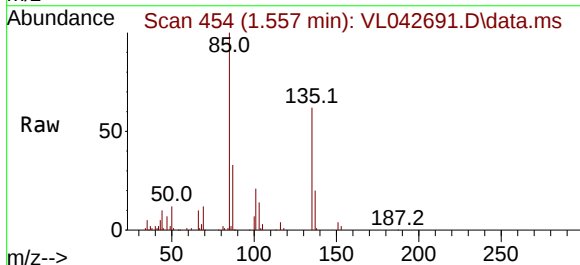
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ClientSampleId :
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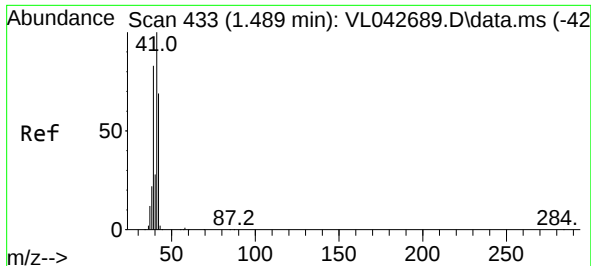
Tgt Ion: 64 Resp: 2066
Ion Ratio Lower Upper
64 100
66 32.4 24.7 37.1



#8
Dichlorotetrafluoroethane
Concen: 1.016 ppbv
RT: 1.557 min Scan# 454
Delta R.T. -0.003 min
Lab File: VL042691.D
Acq: 02 Jul 2025 09:28

Tgt Ion: 85 Resp: 10757
Ion Ratio Lower Upper
85 100
135 67.1 52.6 79.0





#9

Propene

Concen: 1.017 ppbv

RT: 1.486 min Scan# 41

Delta R.T. -0.003 min

Lab File: VL042691.D

Acq: 02 Jul 2025 09:28

Instrument :

MSVOA_L

ClientSampleId :

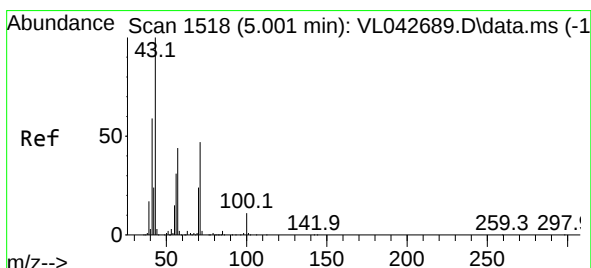
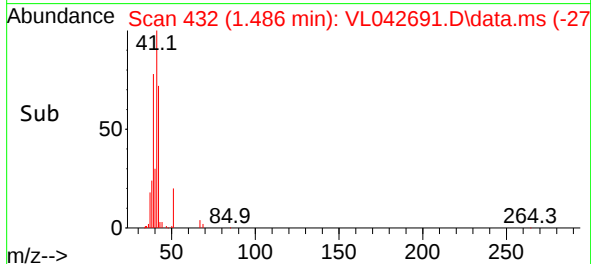
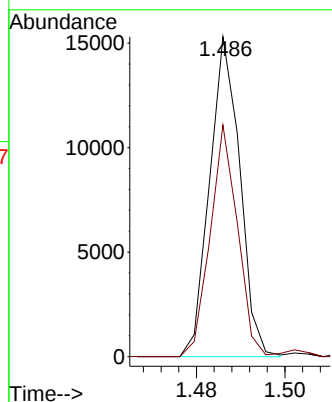
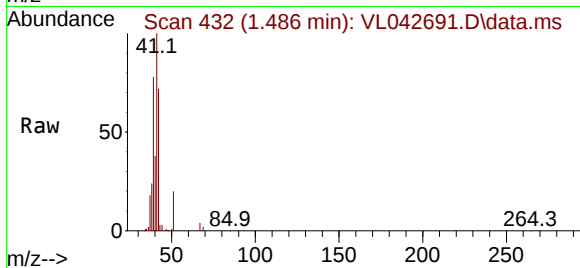
VSTDIC001

Tgt Ion: 41 Resp: 7269

Ion Ratio Lower Upper

41 100

42 67.3 55.6 83.4



#10

Heptane

Concen: 0.916 ppbv

RT: 4.998 min Scan# 1517

Delta R.T. -0.003 min

Lab File: VL042691.D

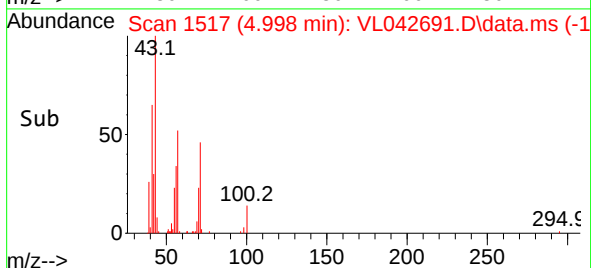
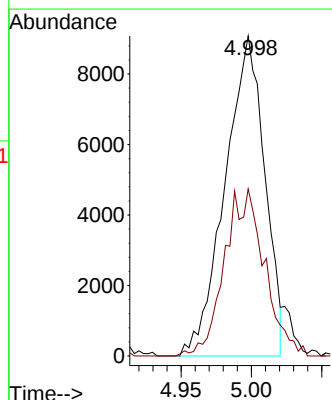
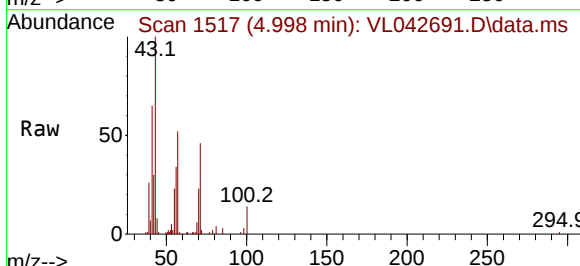
Acq: 02 Jul 2025 09:28

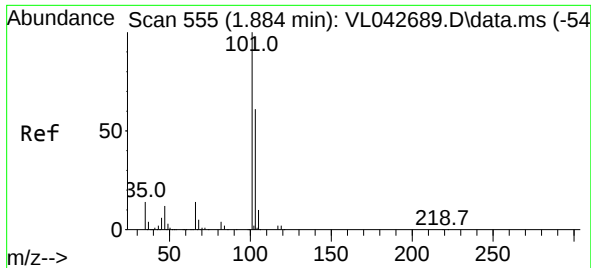
Tgt Ion: 43 Resp: 17761

Ion Ratio Lower Upper

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57 52.8 37.4 56.0

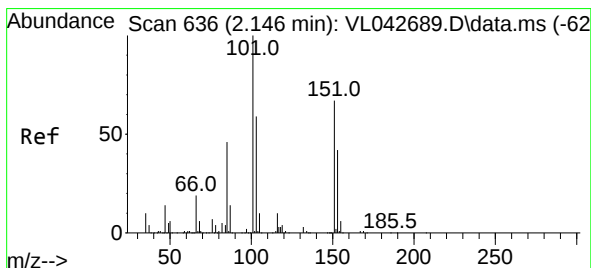
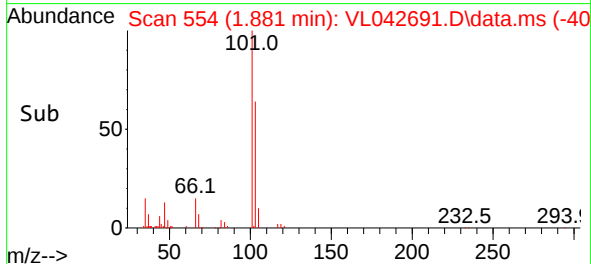
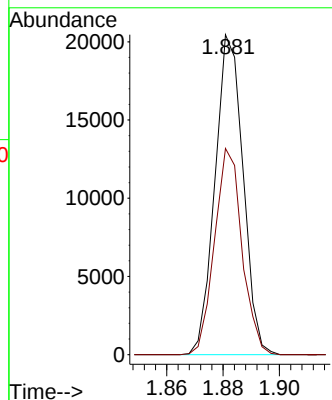
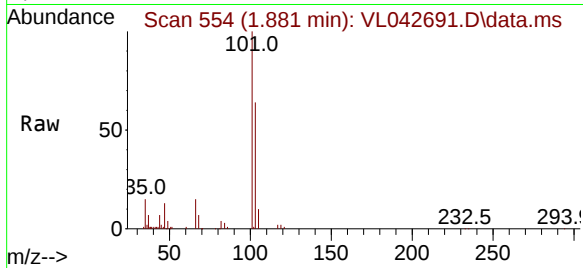




#11
 Trichlorofluoromethane
 Concen: 1.051 ppbv
 RT: 1.881 min Scan# 511
 Delta R.T. -0.003 min
 Lab File: VL042691.D
 Acq: 02 Jul 2025 09:28

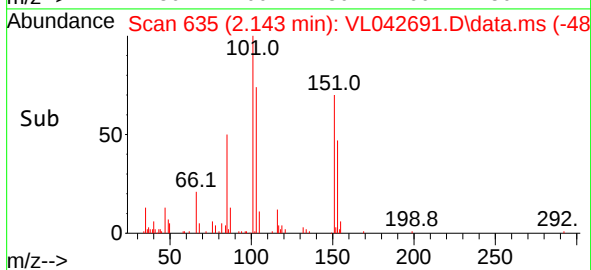
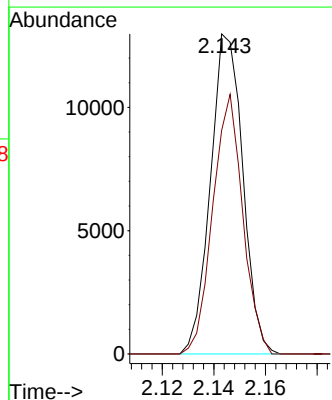
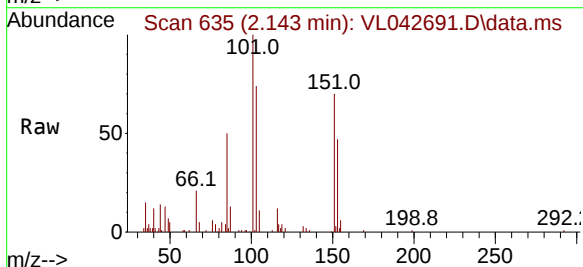
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

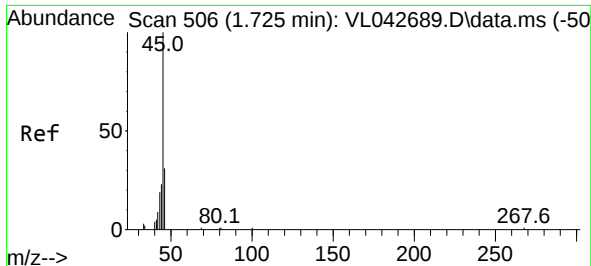
Tgt Ion:101 Resp: 14164
 Ion Ratio Lower Upper
 101 100
 103 64.4 48.9 73.3



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.061 ppbv
 RT: 2.143 min Scan# 635
 Delta R.T. -0.003 min
 Lab File: VL042691.D
 Acq: 02 Jul 2025 09:28

Tgt Ion:101 Resp: 11318
 Ion Ratio Lower Upper
 101 100
 151 75.1 56.6 84.8





#13

Ethanol

Concen: 1.171 ppbv

RT: 1.725 min Scan# 506

Delta R.T. 0.000 min

Lab File: VL042691.D

Acq: 02 Jul 2025 09:28

Instrument :

MSVOA_L

ClientSampleId :

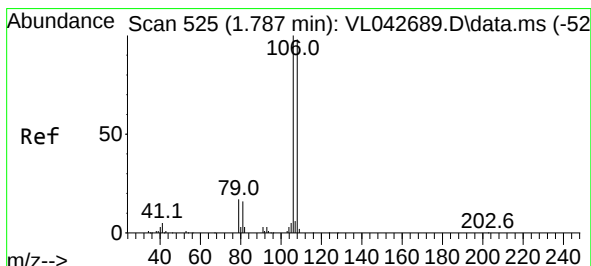
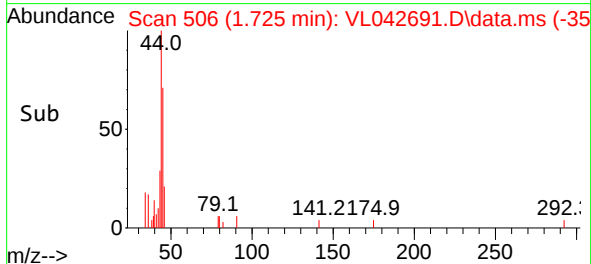
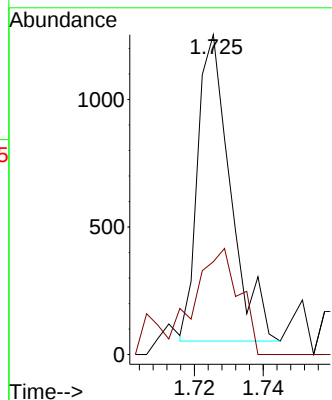
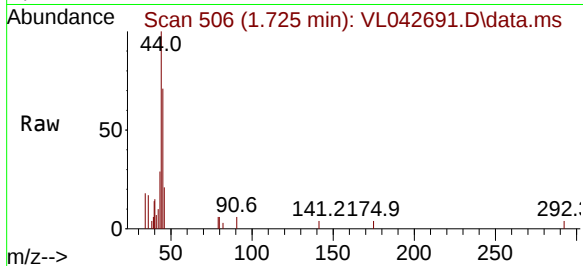
VSTDIC001

Tgt Ion: 45 Resp: 795

Ion Ratio Lower Upper

45 100

46 54.7 15.2 60.8



#14

Bromoethene

Concen: 1.020 ppbv

RT: 1.787 min Scan# 525

Delta R.T. 0.000 min

Lab File: VL042691.D

Acq: 02 Jul 2025 09:28

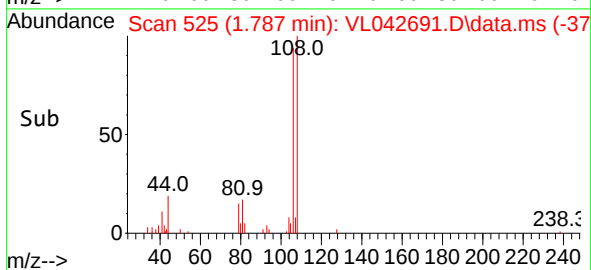
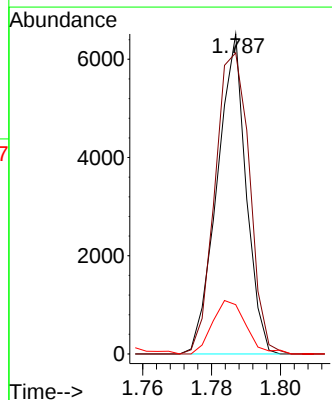
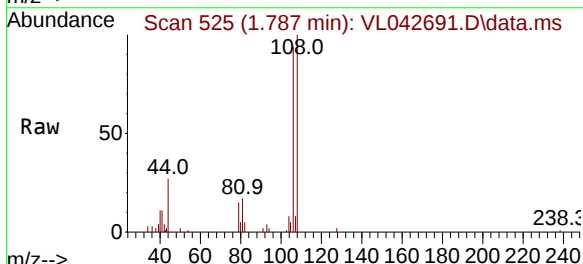
Tgt Ion: 108 Resp: 3790

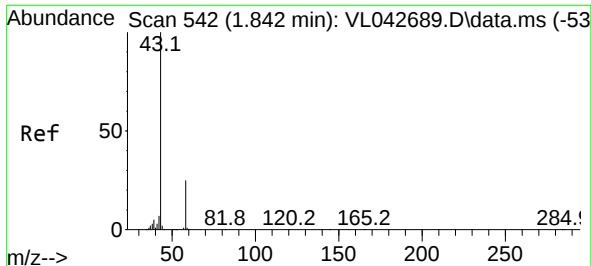
Ion Ratio Lower Upper

108 100

106 112.3 85.9 128.9

79 20.9 14.5 21.7

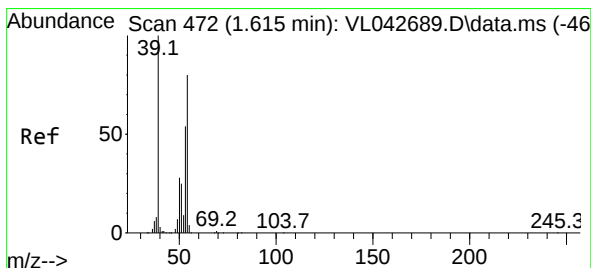
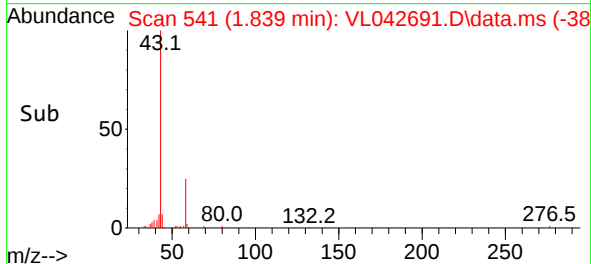
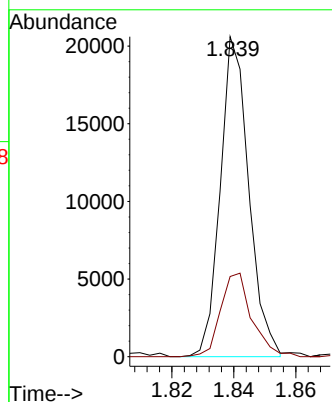
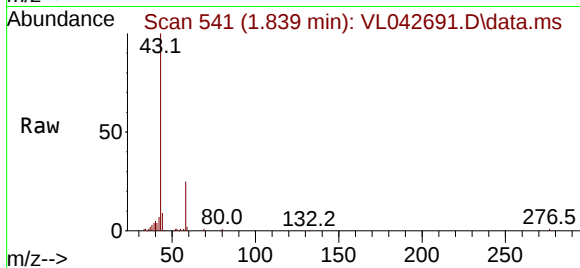




#15
Acetone
Concen: 1.090 ppbv
RT: 1.839 min Scan# 541
Delta R.T. -0.003 min
Lab File: VL042691.D
Acq: 02 Jul 2025 09:28

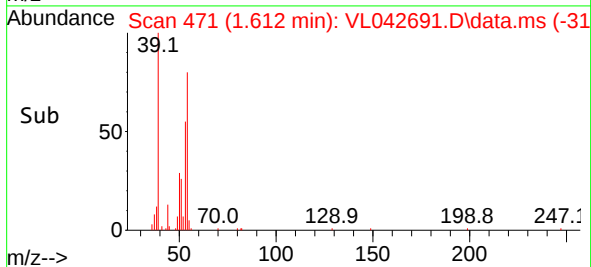
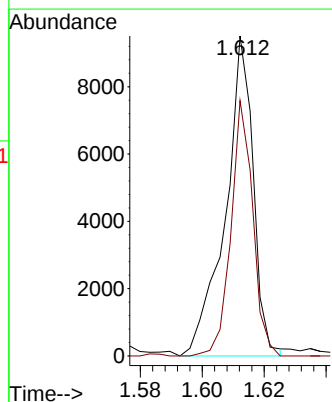
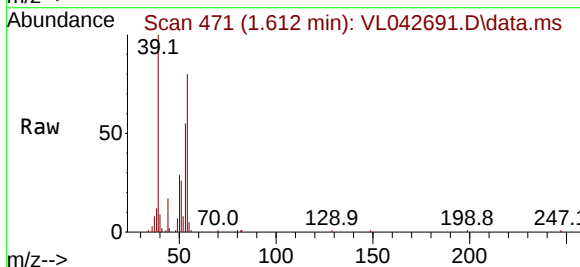
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

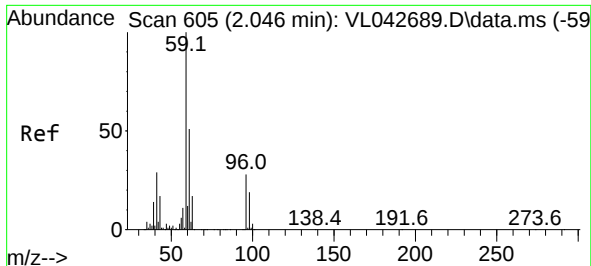
Tgt Ion: 43 Resp: 13196
Ion Ratio Lower Upper
43 100
58 28.7 20.6 31.0



#16
1,3-Butadiene
Concen: 1.063 ppbv
RT: 1.612 min Scan# 471
Delta R.T. -0.003 min
Lab File: VL042691.D
Acq: 02 Jul 2025 09:28

Tgt Ion: 39 Resp: 5928
Ion Ratio Lower Upper
39 100
54 63.0 54.9 82.3





#17

tert-Butyl alcohol

Concen: 1.025 ppbv

RT: 2.046 min Scan# 605

Delta R.T. 0.000 min

Lab File: VL042691.D

Acq: 02 Jul 2025 09:28

Instrument :

MSVOA_L

ClientSampleId :

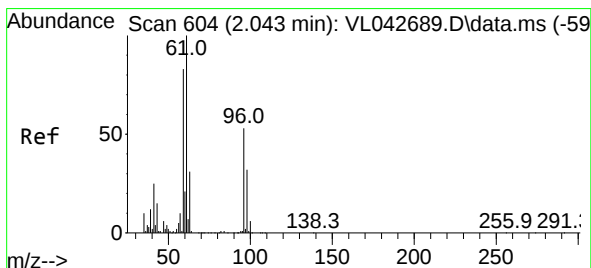
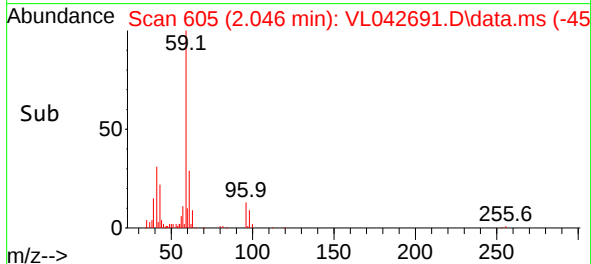
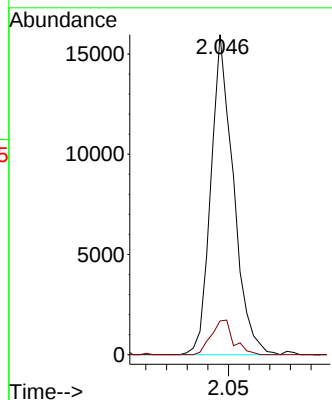
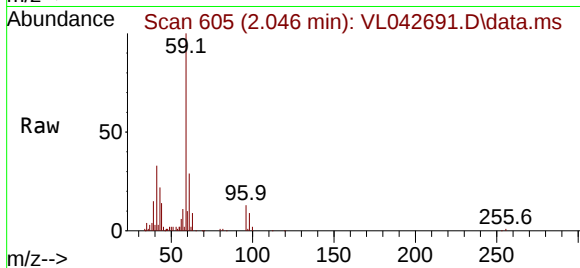
VSTDIC001

Tgt Ion: 59 Resp: 12101

Ion Ratio Lower Upper

59 100

57 10.6 8.8 13.2



#18

1,1-Dichloroethene

Concen: 1.009 ppbv

RT: 2.039 min Scan# 603

Delta R.T. -0.003 min

Lab File: VL042691.D

Acq: 02 Jul 2025 09:28

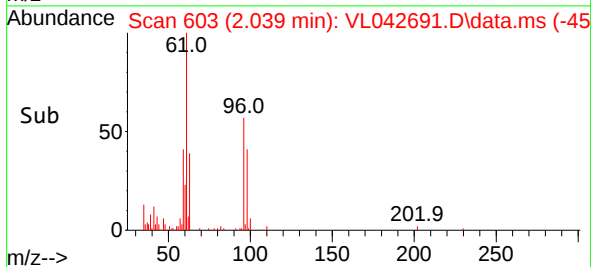
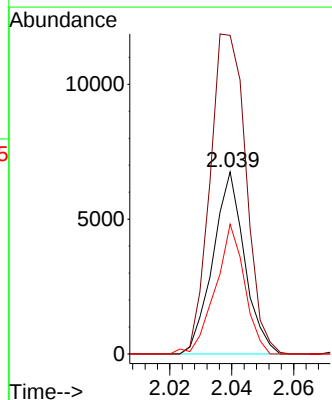
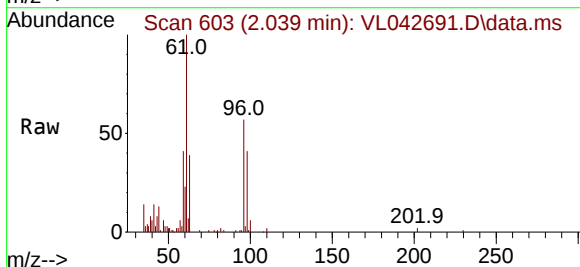
Tgt Ion: 96 Resp: 4779

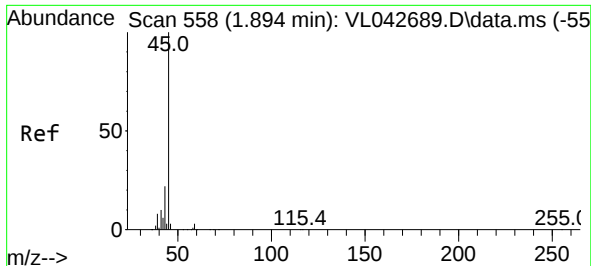
Ion Ratio Lower Upper

96 100

61 175.0 151.0 226.6

98 71.3 49.0 73.4

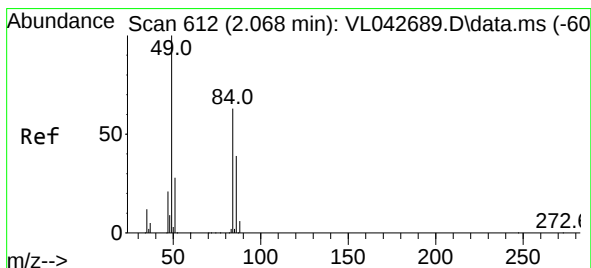
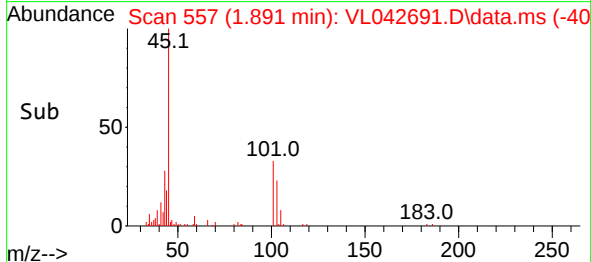
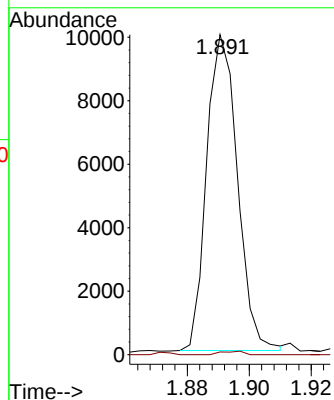
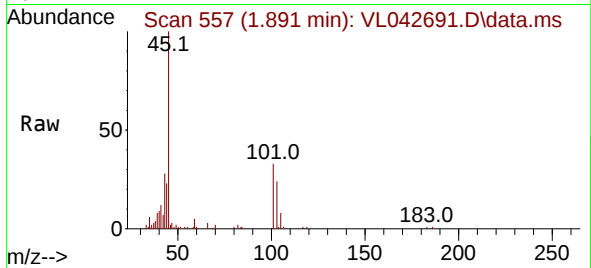




#19
Isopropyl Alcohol
Concen: 0.986 ppbv
RT: 1.891 min Scan# 51
Delta R.T. -0.003 min
Lab File: VL042691.D
Acq: 02 Jul 2025 09:28

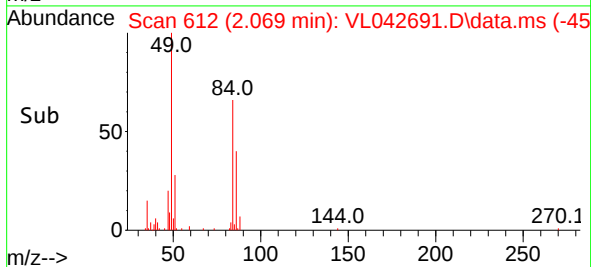
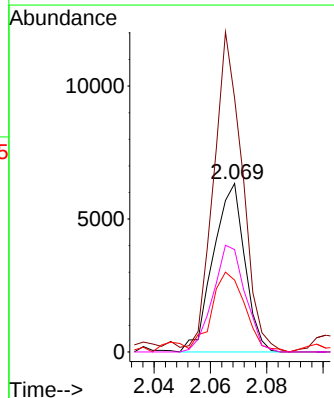
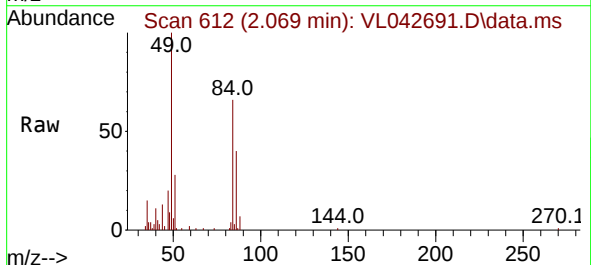
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

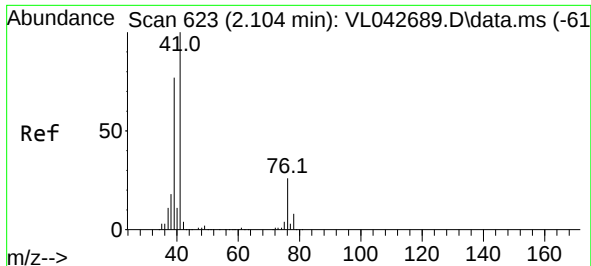
Tgt Ion: 45 Resp: 6861
Ion Ratio Lower Upper
45 100
58 55.2 1.4 2.2#



#20
Methylene Chloride
Concen: 1.063 ppbv
RT: 2.069 min Scan# 612
Delta R.T. 0.000 min
Lab File: VL042691.D
Acq: 02 Jul 2025 09:28

Tgt Ion: 84 Resp: 4922
Ion Ratio Lower Upper
84 100
49 149.3 128.6 193.0
51 42.3 37.4 56.2
86 60.8 49.2 73.8

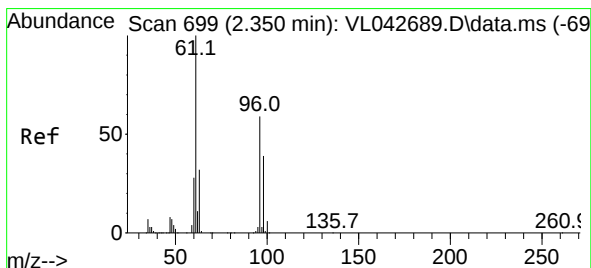
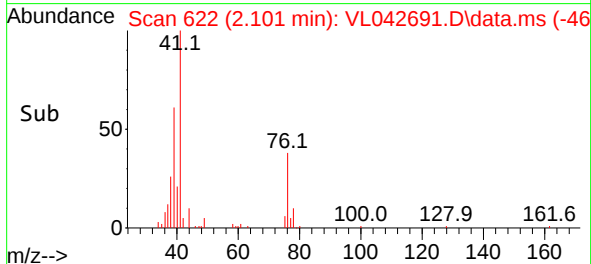
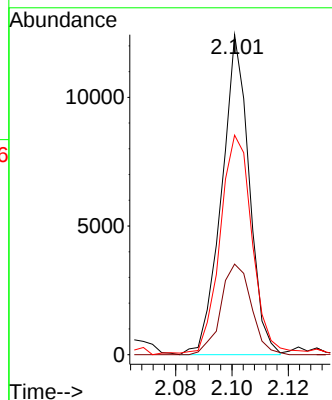
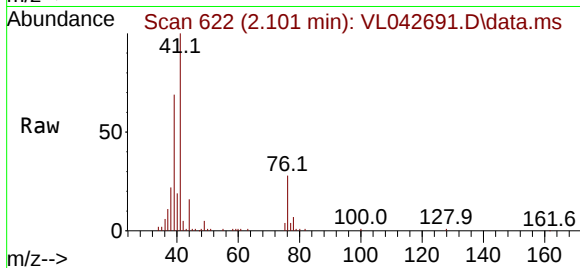




#21
 Allyl Chloride
 Concen: 1.000 ppbv
 RT: 2.101 min Scan# 61
 Delta R.T. -0.003 min
 Lab File: VL042691.D
 Acq: 02 Jul 2025 09:28

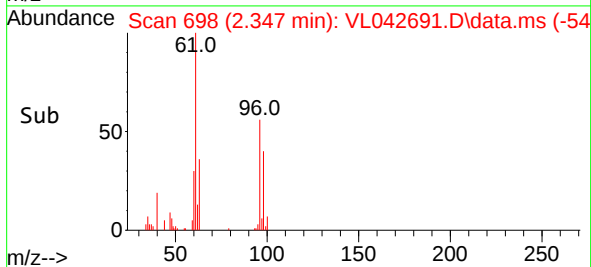
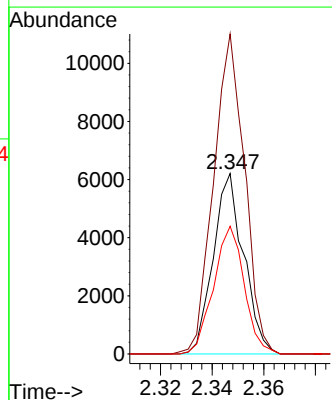
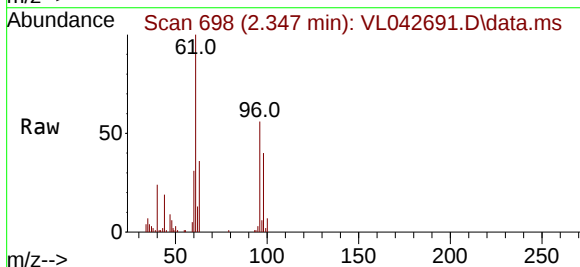
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

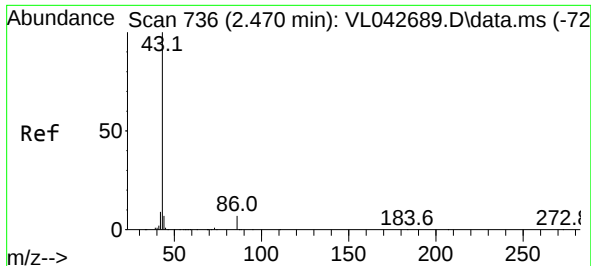
Tgt Ion: 41 Resp: 8443
 Ion Ratio Lower Upper
 41 100
 76 31.2 21.7 32.5
 39 81.3 63.4 95.2



#22
 trans-1,2-Dichloroethene
 Concen: 0.984 ppbv
 RT: 2.347 min Scan# 698
 Delta R.T. -0.003 min
 Lab File: VL042691.D
 Acq: 02 Jul 2025 09:28

Tgt Ion: 96 Resp: 5076
 Ion Ratio Lower Upper
 96 100
 61 177.3 136.5 204.7
 98 70.8 53.5 80.3



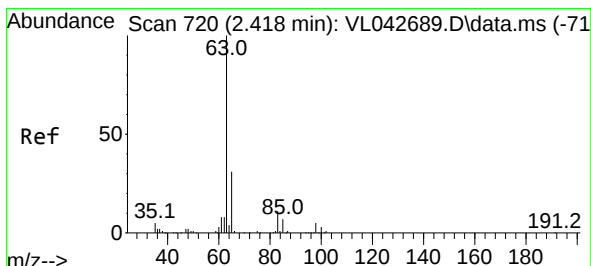
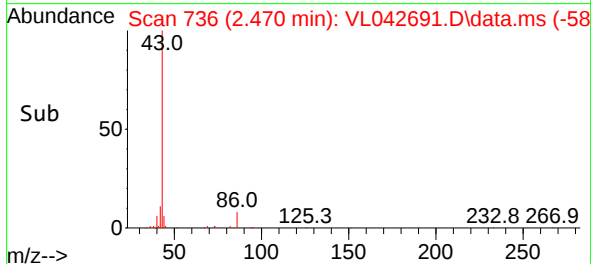
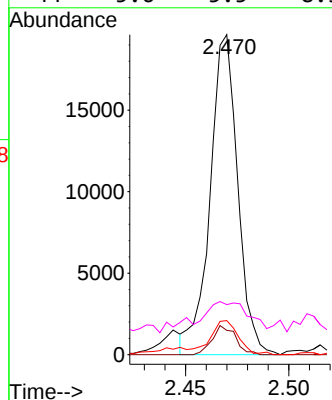
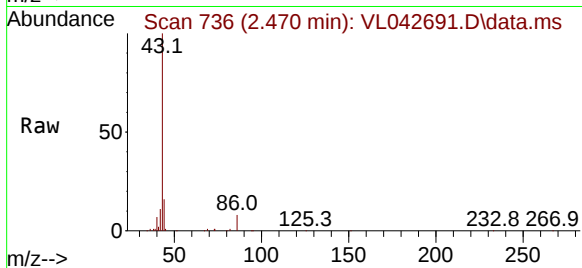


#23
 Vinyl Acetate
 Concen: 0.935 ppbv
 RT: 2.470 min Scan# 719
 Delta R.T. 0.000 min
 Lab File: VL042691.D
 Acq: 02 Jul 2025 09:28

Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC001

Tgt Ion: 43 Resp: 18307

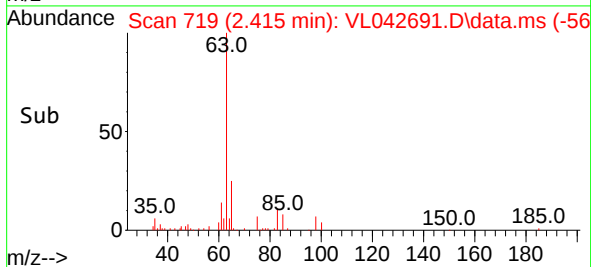
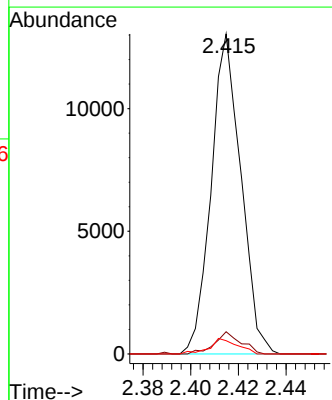
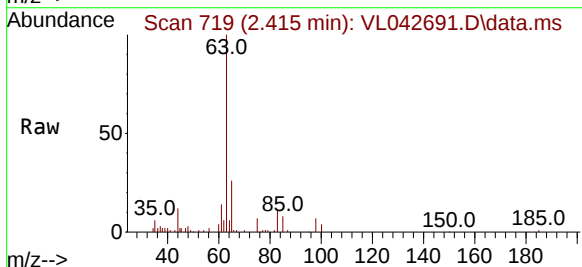
Ion	Ratio	Lower	Upper
43	100		
86	7.6	5.8	8.6
42	10.7	7.2	10.8
44	5.6	5.5	8.3

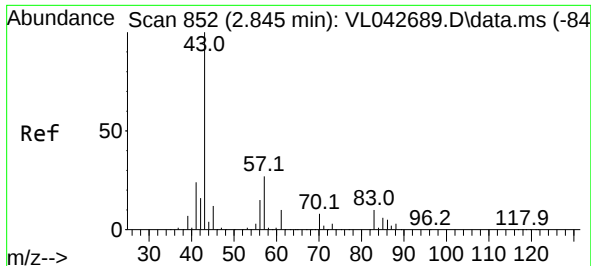


#24
 1,1-Dichloroethane
 Concen: 1.060 ppbv
 RT: 2.415 min Scan# 719
 Delta R.T. -0.003 min
 Lab File: VL042691.D
 Acq: 02 Jul 2025 09:28

Tgt Ion: 63 Resp: 11310

Ion	Ratio	Lower	Upper
63	100		
98	7.0	2.5	7.6
100	4.2	1.7	5.0

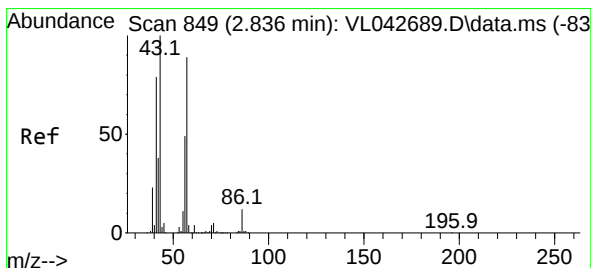
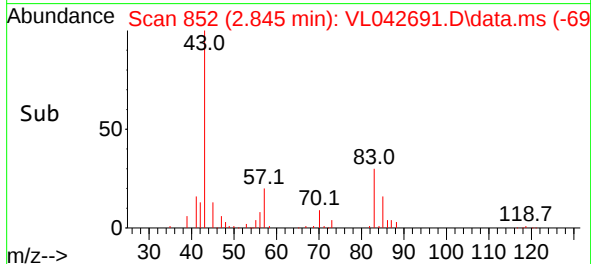
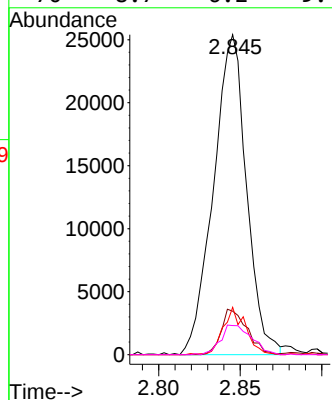
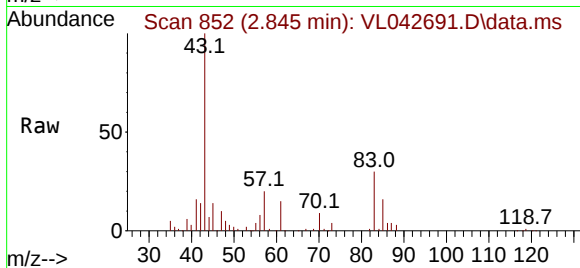




#25
Ethyl Acetate
Concen: 0.976 ppbv
RT: 2.845 min Scan# 81
Delta R.T. 0.000 min
Lab File: VL042691.D
Acq: 02 Jul 2025 09:28

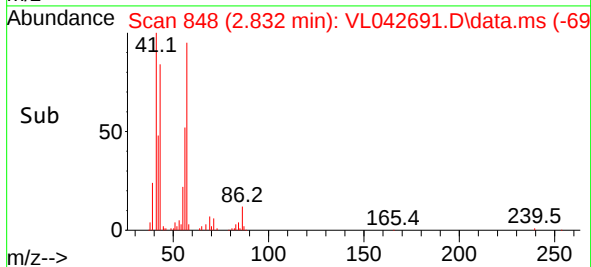
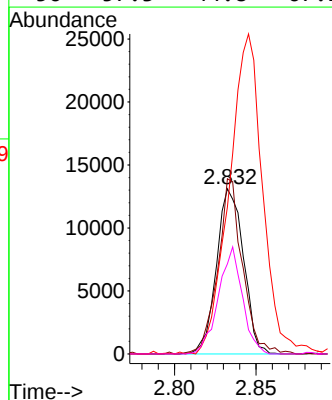
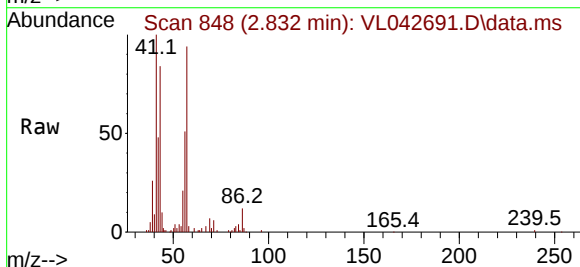
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

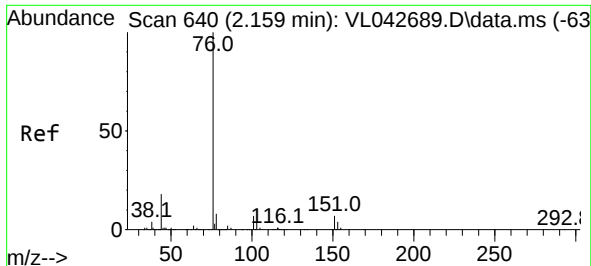
Tgt Ion: 43	Resp: 35741
Ion Ratio	Lower Upper
43 100	
45 11.7	8.1 12.1
61 10.2	7.0 10.6
70 8.7	6.2 9.4



#26
Hexane
Concen: 0.991 ppbv
RT: 2.832 min Scan# 848
Delta R.T. -0.003 min
Lab File: VL042691.D
Acq: 02 Jul 2025 09:28

Tgt Ion: 57	Resp: 15131
Ion Ratio	Lower Upper
57 100	
41 96.9	73.7 110.5
43 242.9	190.6 285.8
56 57.3	44.8 67.2

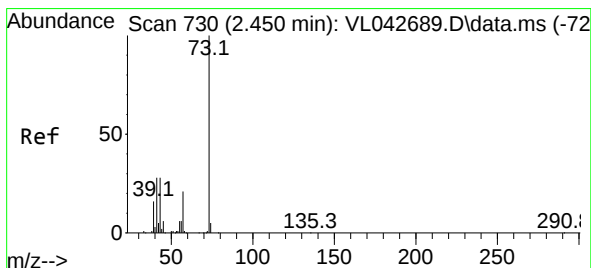
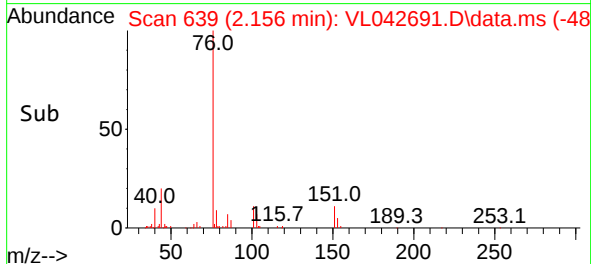
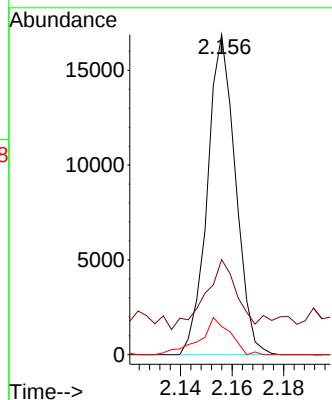
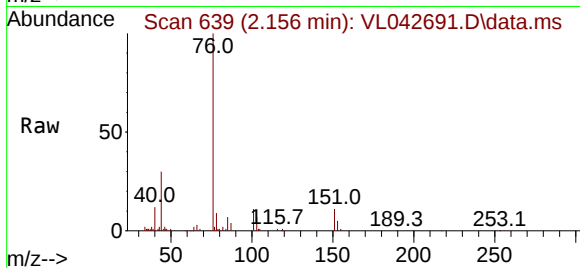




#27
Carbon Disulfide
Concen: 1.026 ppbv
RT: 2.156 min Scan# 61
Delta R.T. -0.003 min
Lab File: VL042691.D
Acq: 02 Jul 2025 09:28

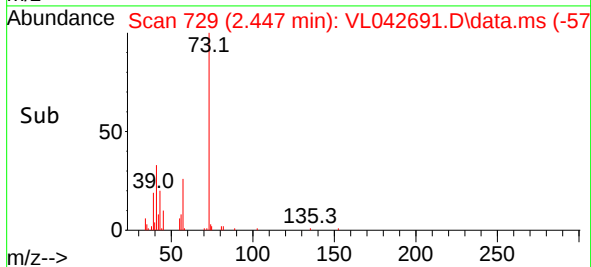
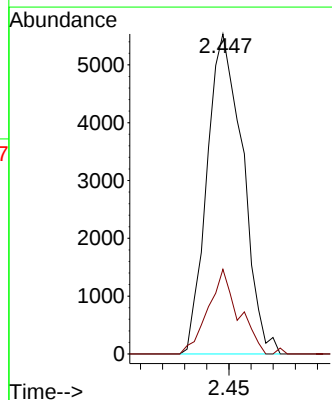
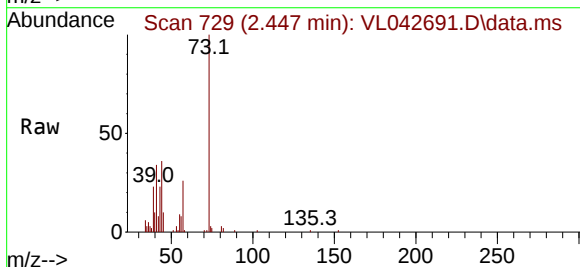
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

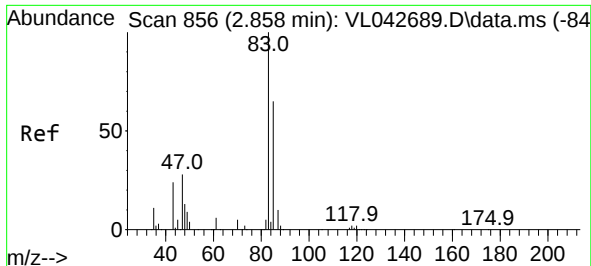
Tgt Ion: 76 Resp: 12785
Ion Ratio Lower Upper
76 100
44 35.1 15.6 23.4#
78 12.4 9.2 13.8



#28
Methyl tert-Butyl Ether
Concen: 0.993 ppbv
RT: 2.447 min Scan# 729
Delta R.T. -0.003 min
Lab File: VL042691.D
Acq: 02 Jul 2025 09:28

Tgt Ion: 73 Resp: 6208
Ion Ratio Lower Upper
73 100
57 22.8 19.3 28.9





#29

Chloroform

Concen: 1.052 ppbv

RT: 2.855 min Scan# 81

Delta R.T. -0.003 min

Lab File: VL042691.D

Acq: 02 Jul 2025 09:28

Instrument :

MSVOA_L

ClientSampleId :

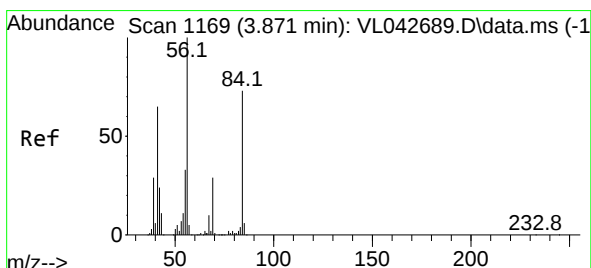
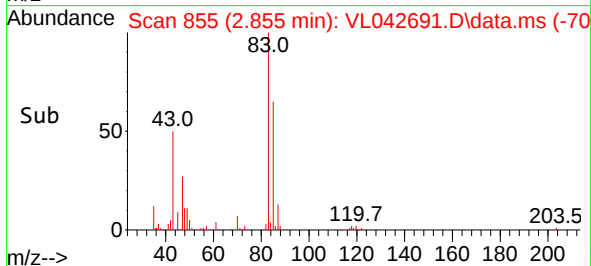
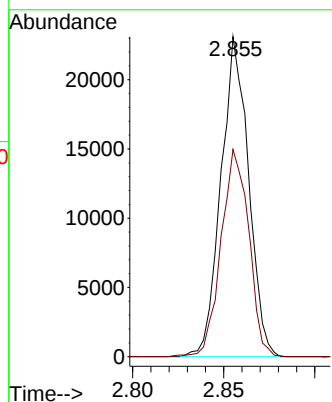
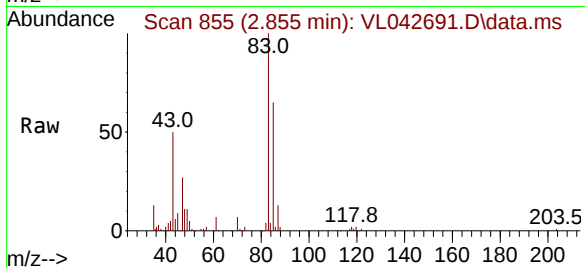
VSTDIC001

Tgt Ion: 83 Resp: 24283

Ion Ratio Lower Upper

83 100

85 64.5 52.4 78.6



#30

Cyclohexane

Concen: 0.956 ppbv

RT: 3.868 min Scan# 1168

Delta R.T. -0.003 min

Lab File: VL042691.D

Acq: 02 Jul 2025 09:28

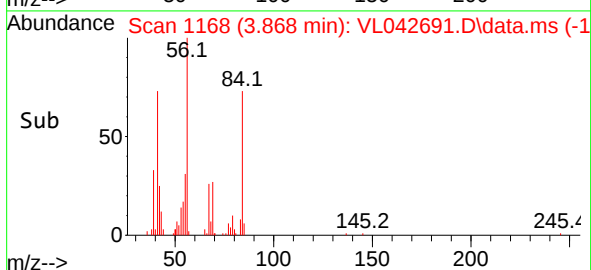
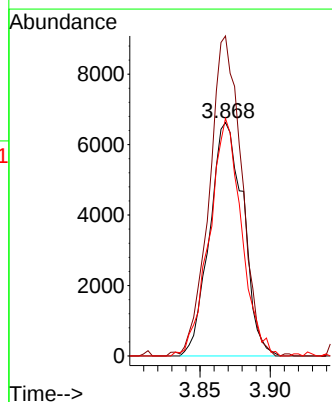
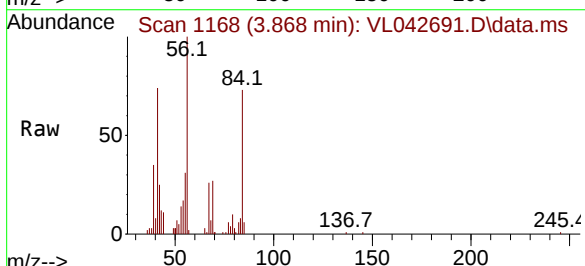
Tgt Ion: 84 Resp: 11035

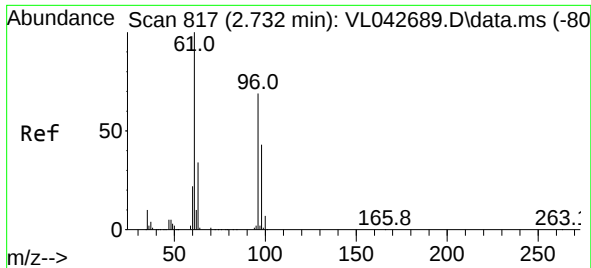
Ion Ratio Lower Upper

84 100

56 131.9 110.4 165.6

41 96.5 71.4 107.0

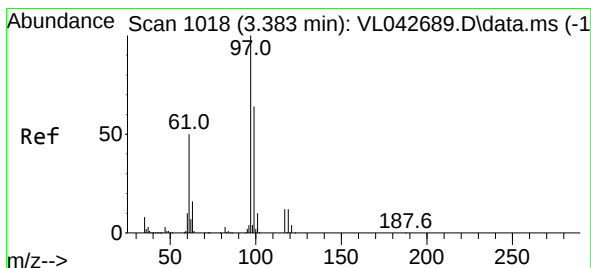
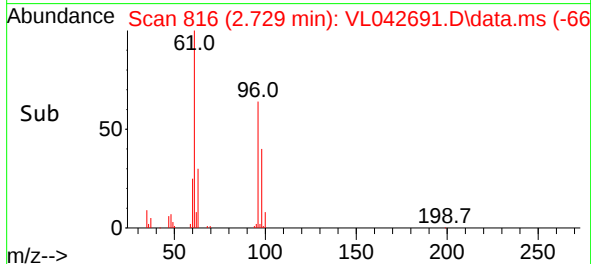
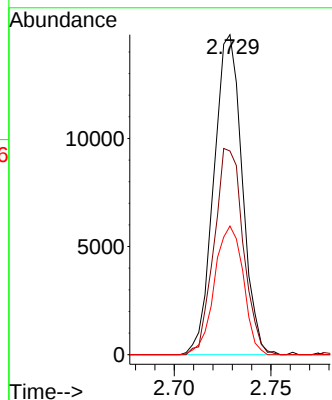
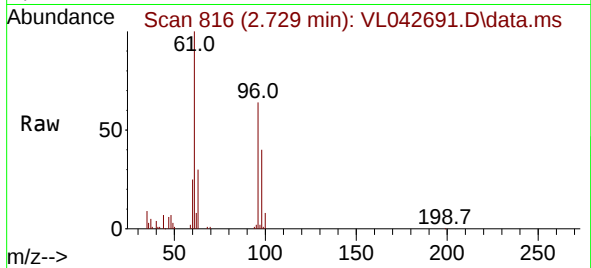




#31
 cis-1,2-Dichloroethene
 Concen: 1.036 ppbv
 RT: 2.729 min Scan# 817
 Delta R.T. -0.003 min
 Lab File: VL042691.D
 Acq: 02 Jul 2025 09:28

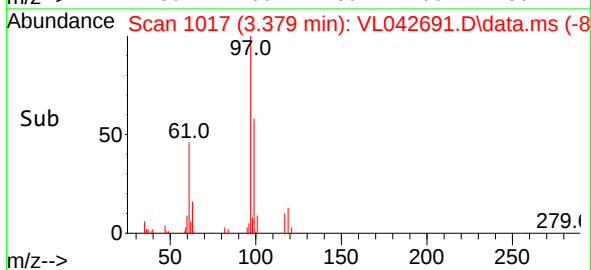
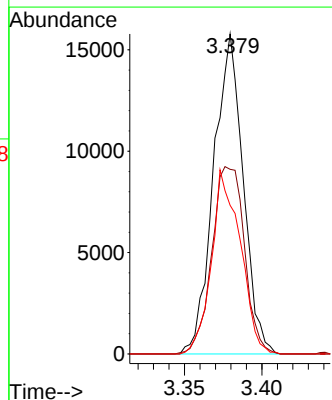
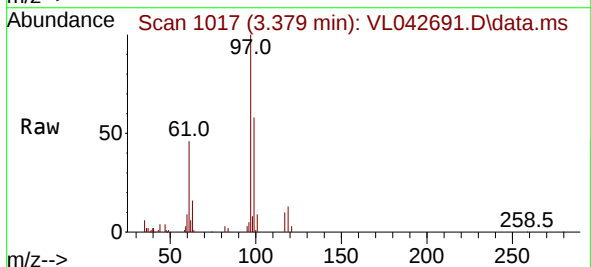
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

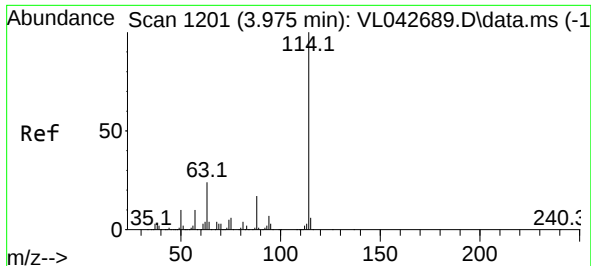
Tgt Ion: 61 Resp: 15056
 Ion Ratio Lower Upper
 61 100
 96 63.7 54.8 82.2
 98 40.2 34.7 52.1



#32
 1,1,1-Trichloroethane
 Concen: 0.948 ppbv
 RT: 3.379 min Scan# 1017
 Delta R.T. -0.003 min
 Lab File: VL042691.D
 Acq: 02 Jul 2025 09:28

Tgt Ion: 97 Resp: 20910
 Ion Ratio Lower Upper
 97 100
 99 64.5 51.4 77.0
 61 56.1 41.1 61.7





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.968 min Scan# 1199

Delta R.T. -0.006 min

Lab File: VL042691.D

Acq: 02 Jul 2025 09:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

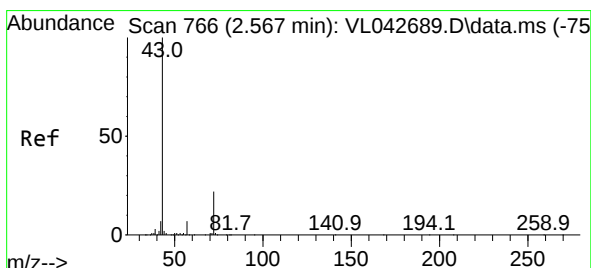
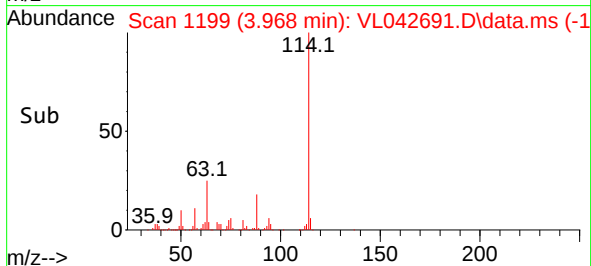
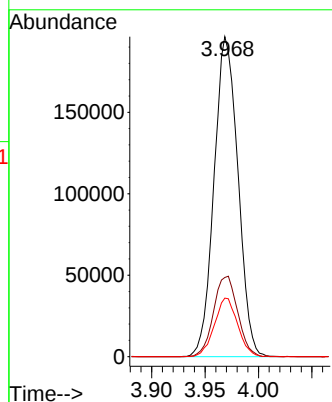
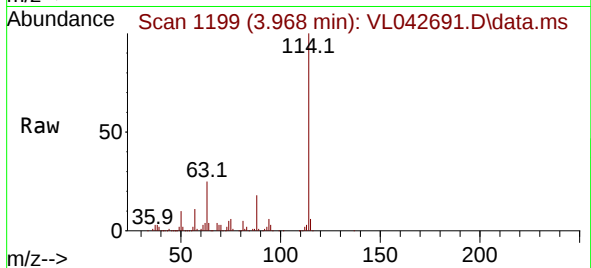
Tgt Ion:114 Resp: 305483

Ion Ratio Lower Upper

114 100

63 25.5 20.4 30.6

88 17.9 14.2 21.2



#34

2-Butanone

Concen: 1.038 ppbv

RT: 2.567 min Scan# 766

Delta R.T. 0.000 min

Lab File: VL042691.D

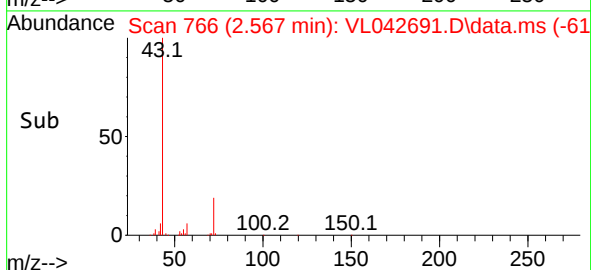
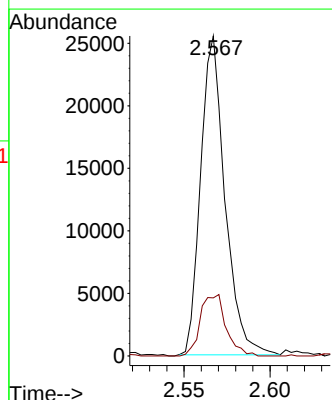
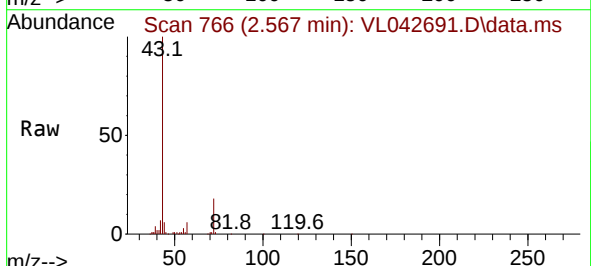
Acq: 02 Jul 2025 09:28

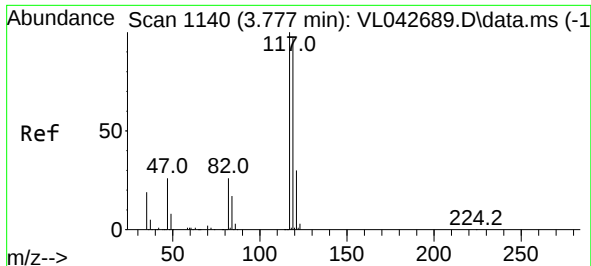
Tgt Ion: 43 Resp: 25091

Ion Ratio Lower Upper

43 100

72 20.3 17.1 25.7

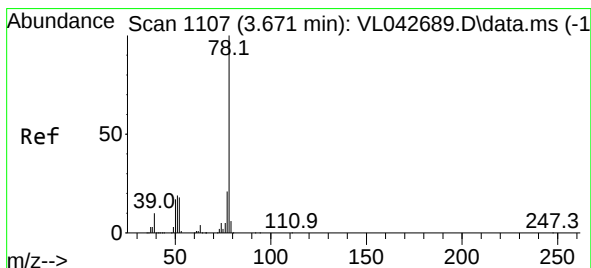
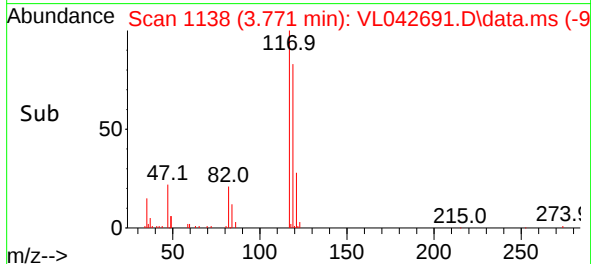
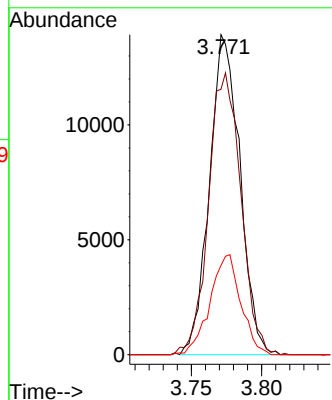
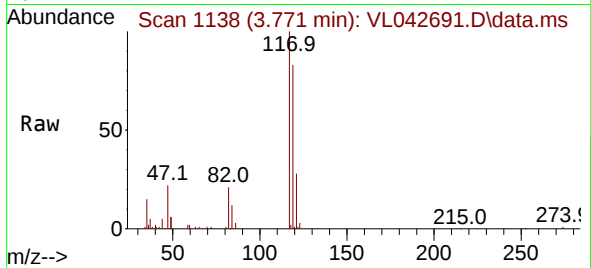




#35
Carbon Tetrachloride
Concen: 0.992 ppbv
RT: 3.771 min Scan# 1140
Delta R.T. -0.006 min
Lab File: VL042691.D
Acq: 02 Jul 2025 09:28

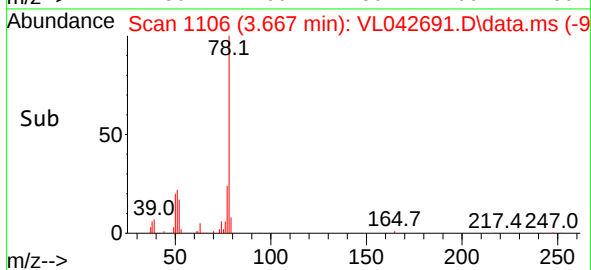
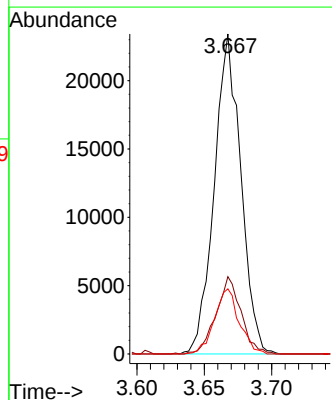
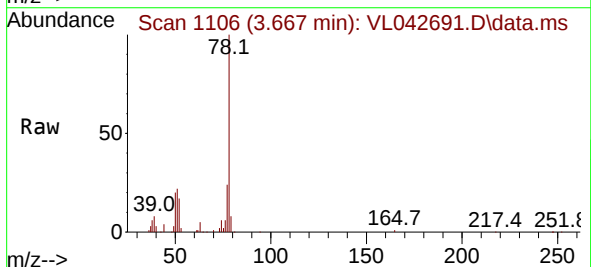
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

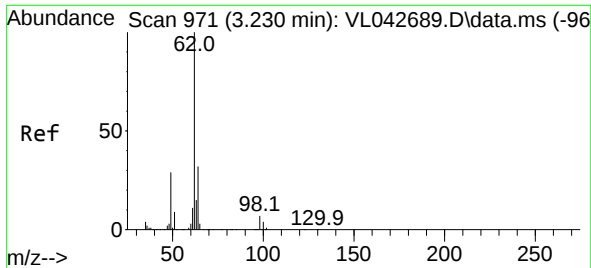
Tgt Ion:117 Resp: 21021
Ion Ratio Lower Upper
117 100
119 82.9 77.6 116.4
121 27.9 24.0 36.0



#36
Benzene
Concen: 1.042 ppbv
RT: 3.667 min Scan# 1106
Delta R.T. -0.003 min
Lab File: VL042691.D
Acq: 02 Jul 2025 09:28

Tgt Ion: 78 Resp: 32089
Ion Ratio Lower Upper
78 100
77 24.1 17.0 25.4
50 20.4 13.7 20.5





#37

1,2-Dichloroethane

Concen: 1.050 ppbv

RT: 3.231 min Scan# 91

Delta R.T. 0.000 min

Lab File: VL042691.D

Acq: 02 Jul 2025 09:28

Instrument :

MSVOA_L

ClientSampleId :

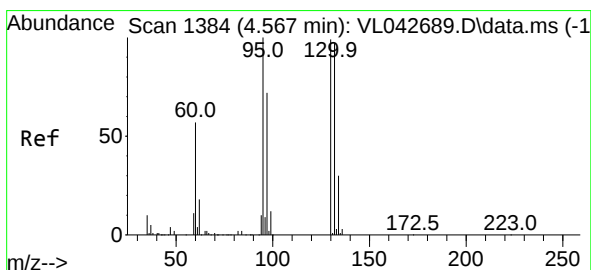
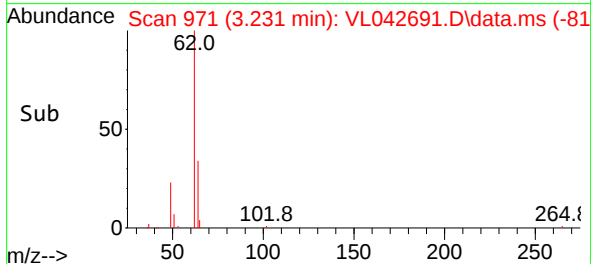
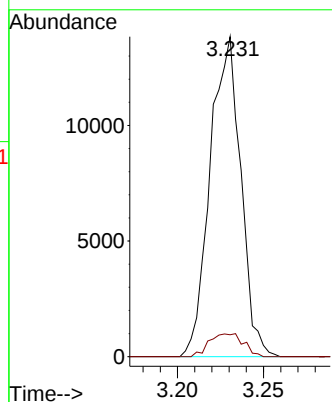
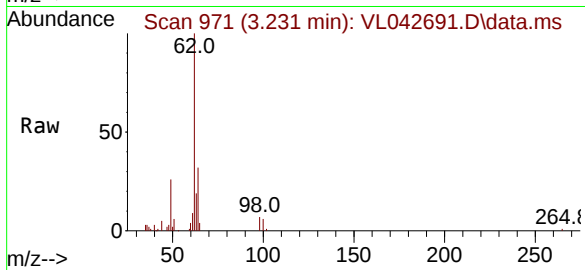
VSTDIC001

Tgt Ion: 62 Resp: 17166

Ion Ratio Lower Upper

62 100

98 8.0 5.8 8.8



#38

Trichloroethene

Concen: 0.969 ppbv

RT: 4.567 min Scan# 1384

Delta R.T. 0.000 min

Lab File: VL042691.D

Acq: 02 Jul 2025 09:28

Tgt Ion:130 Resp: 12890

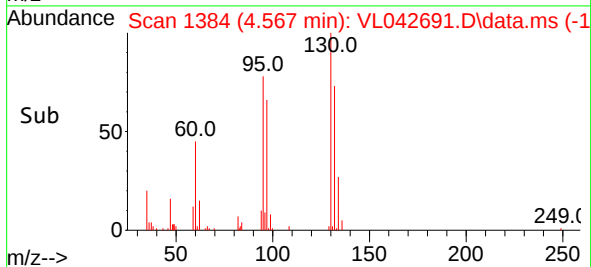
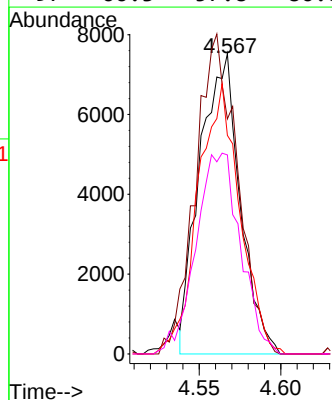
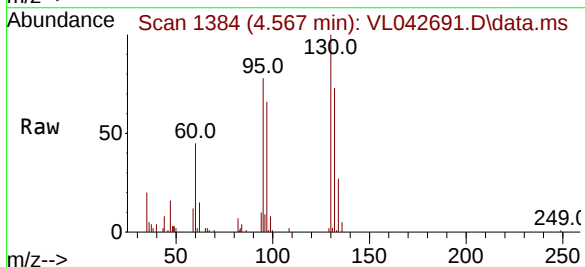
Ion Ratio Lower Upper

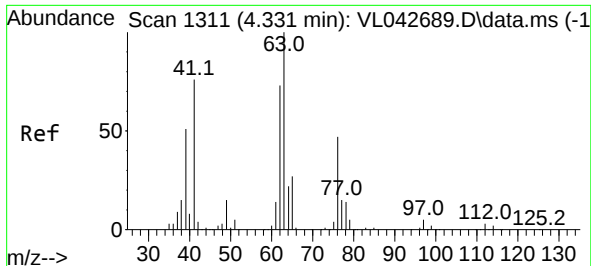
130 100

95 78.3 81.1 121.7#

132 71.0 77.9 116.9#

97 66.3 57.8 86.8





#39

1,2-Dichloropropane

Concen: 1.015 ppbv

RT: 4.324 min Scan# 11

Delta R.T. -0.006 min

Lab File: VL042691.D

Acq: 02 Jul 2025 09:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

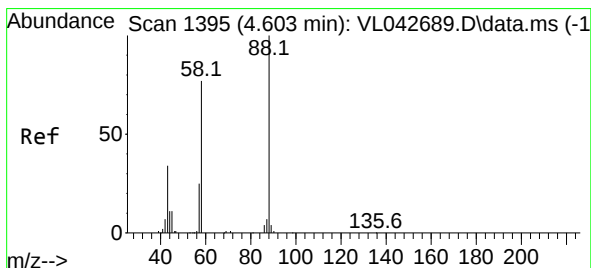
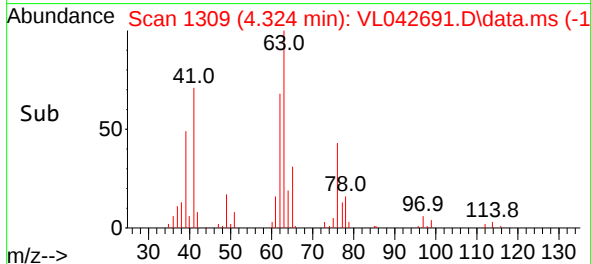
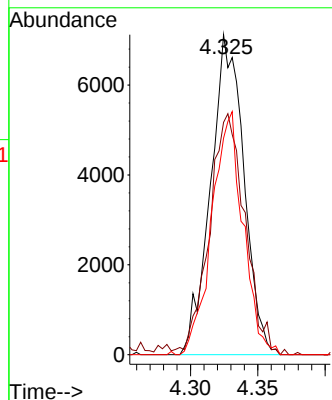
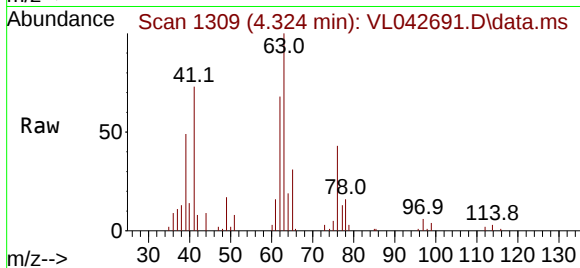
Tgt Ion: 63 Resp: 12193

Ion Ratio Lower Upper

63 100

41 72.6 60.8 91.2

62 67.7 58.6 87.8



#40

1,4-Dioxane

Concen: 0.841 ppbv

RT: 4.606 min Scan# 1396

Delta R.T. 0.003 min

Lab File: VL042691.D

Acq: 02 Jul 2025 09:28

Tgt Ion: 88 Resp: 3880

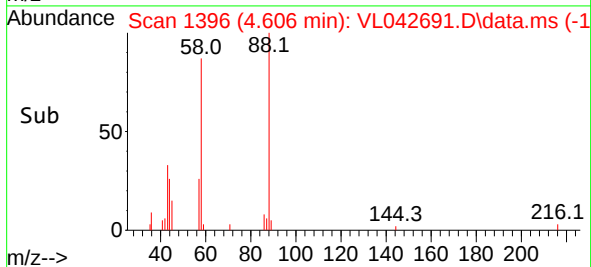
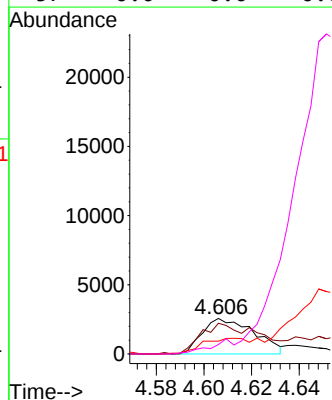
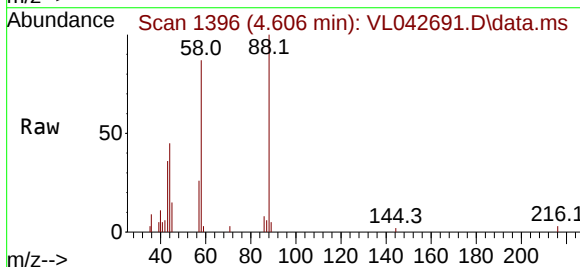
Ion Ratio Lower Upper

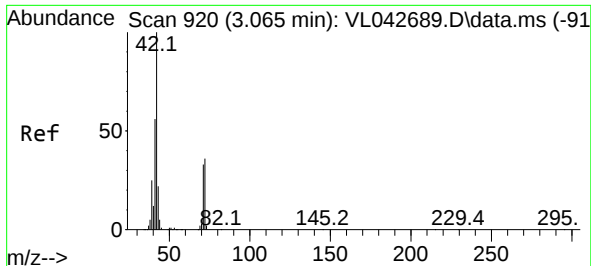
88 100

58 107.1 62.1 93.1#

43 0.0 26.2 39.2#

57 0.0 0.0 0.0

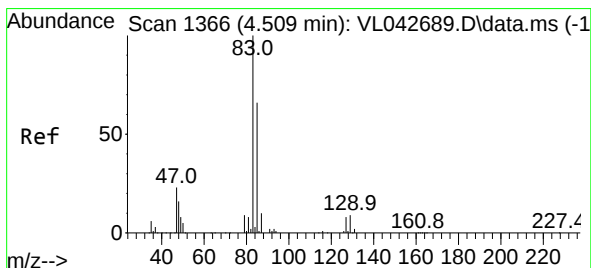
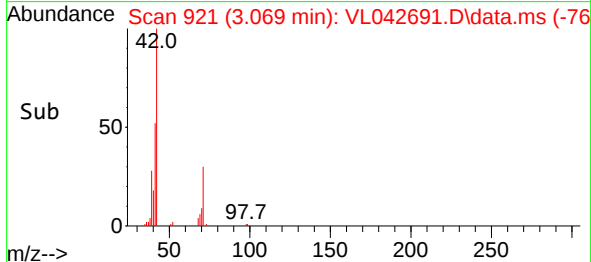
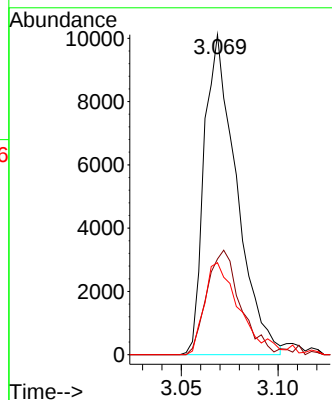
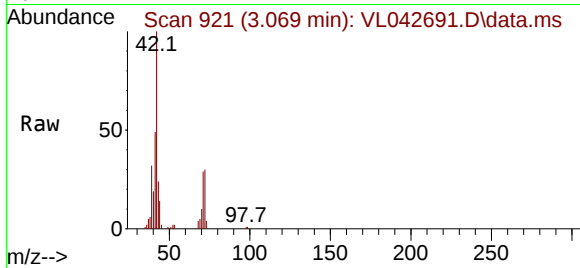




#41
Tetrahydrofuran
Concen: 0.951 ppbv
RT: 3.069 min Scan# 91
Delta R.T. 0.003 min
Lab File: VL042691.D
Acq: 02 Jul 2025 09:28

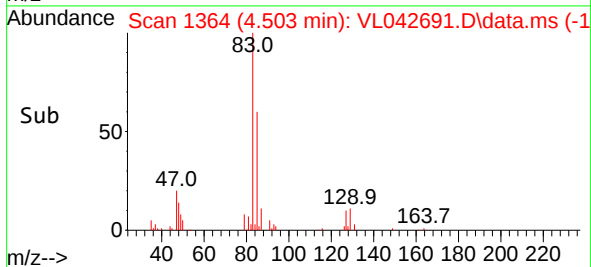
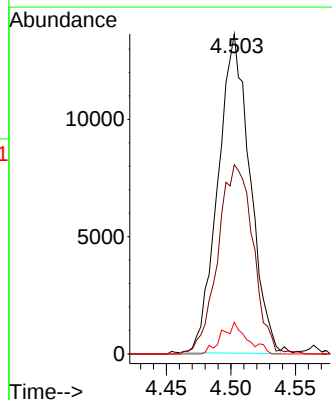
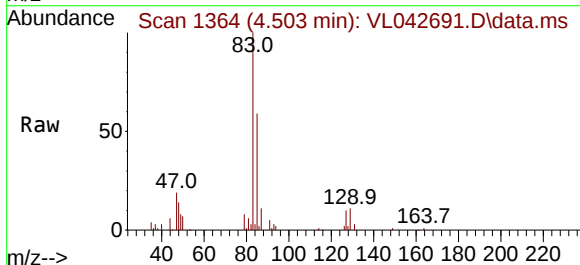
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

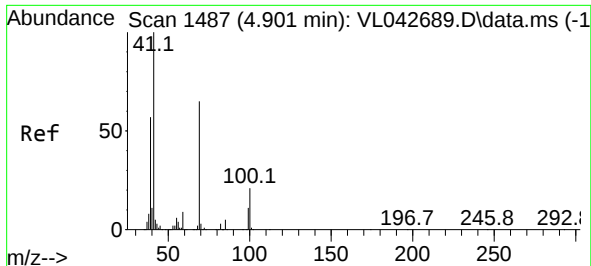
Tgt Ion: 42 Resp: 11715
Ion Ratio Lower Upper
42 100
72 35.4 28.2 42.4
71 32.7 25.4 38.0



#42
Bromodichloromethane
Concen: 1.013 ppbv
RT: 4.503 min Scan# 1364
Delta R.T. -0.006 min
Lab File: VL042691.D
Acq: 02 Jul 2025 09:28

Tgt Ion: 83 Resp: 23463
Ion Ratio Lower Upper
83 100
85 59.4 52.5 78.7
127 9.9 6.1 9.1#





#43

Methyl Methacrylate

Concen: 0.440 ppbv

RT: 4.891 min Scan# 1487

Delta R.T. -0.010 min

Lab File: VL042691.D

Acq: 02 Jul 2025 09:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

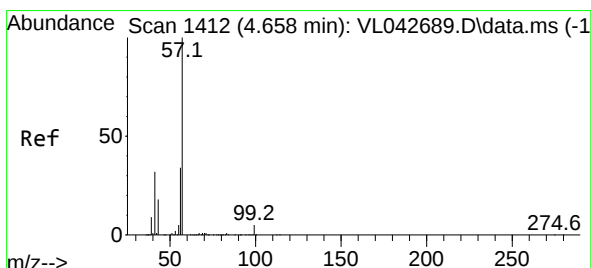
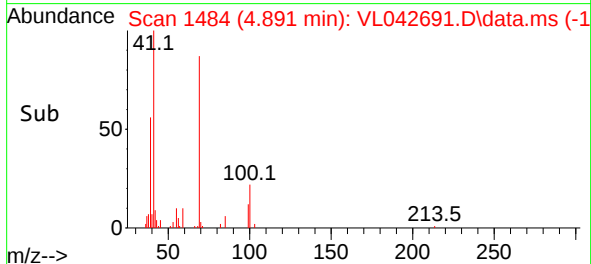
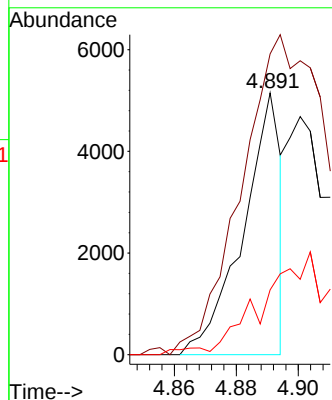
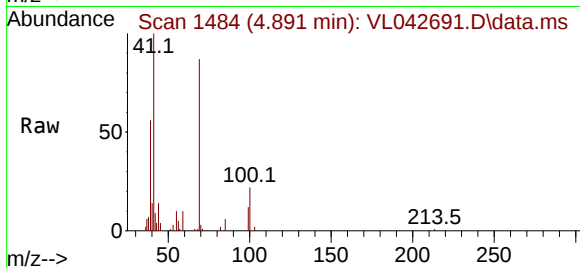
Tgt Ion: 69 Resp: 4347

Ion Ratio Lower Upper

69 100

41 311.3 125.4 188.2#

100 0.0 26.4 39.6#



#44

2,2,4-Trimethylpentane

Concen: 0.971 ppbv

RT: 4.651 min Scan# 1410

Delta R.T. -0.006 min

Lab File: VL042691.D

Acq: 02 Jul 2025 09:28

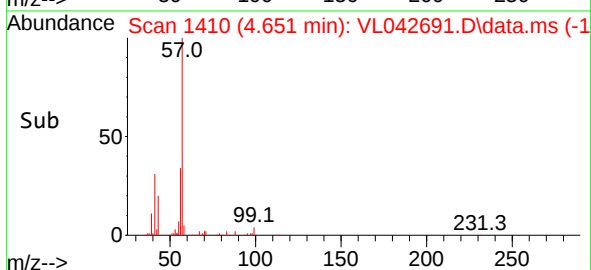
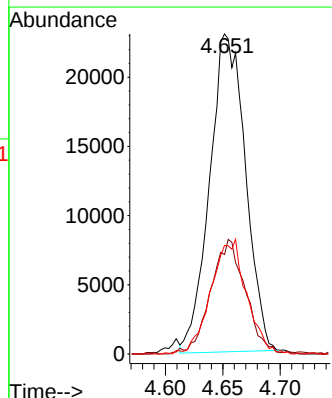
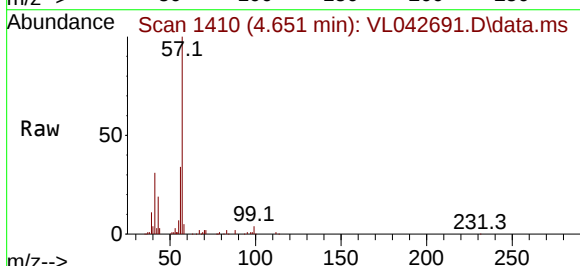
Tgt Ion: 57 Resp: 49906

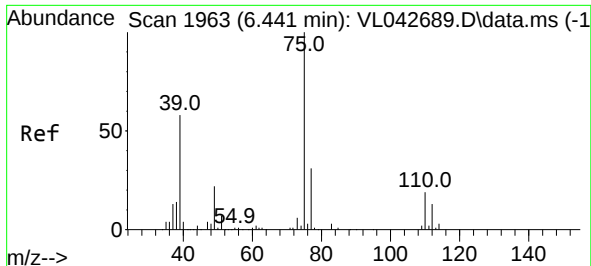
Ion Ratio Lower Upper

57 100

41 35.4 25.2 37.8

56 35.7 26.3 39.5

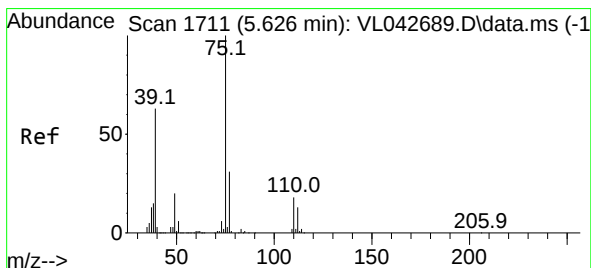
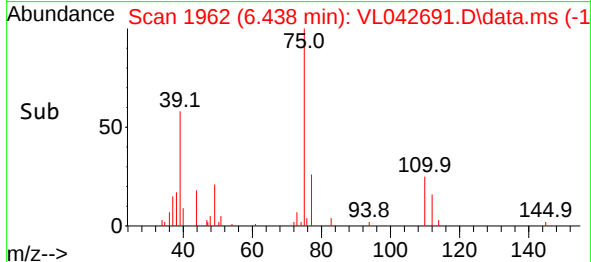
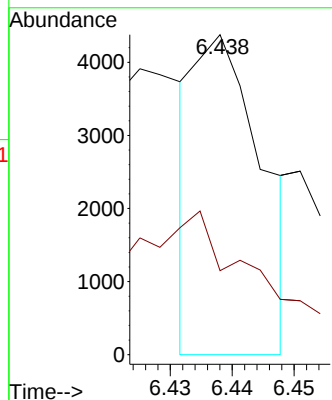
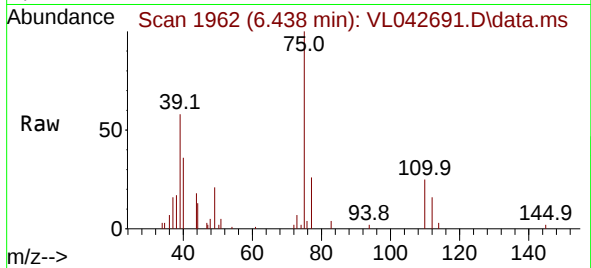




#45
 t-1,3-Dichloropropene
 Concen: 0.320 ppbv
 RT: 6.438 min Scan# 1709
 Delta R.T. -0.003 min
 Lab File: VL042691.D
 Acq: 02 Jul 2025 09:28

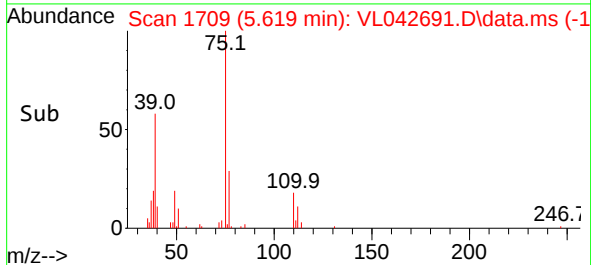
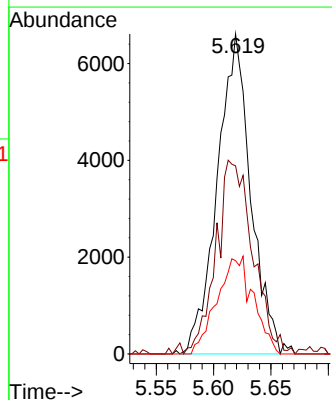
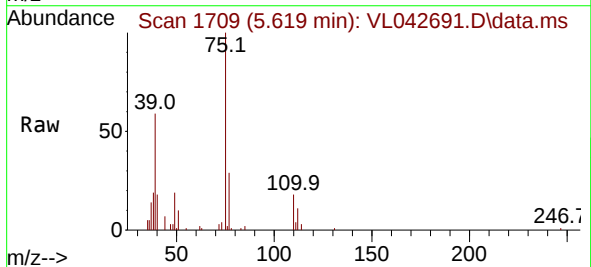
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

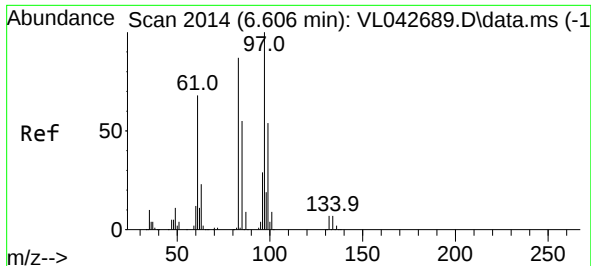
Tgt Ion: 75 Resp: 3320
 Ion Ratio Lower Upper
 75 100
 77 25.3 25.0 37.4



#46
 cis-1,3-Dichloropropene
 Concen: 0.932 ppbv
 RT: 5.619 min Scan# 1709
 Delta R.T. -0.006 min
 Lab File: VL042691.D
 Acq: 02 Jul 2025 09:28

Tgt Ion: 75 Resp: 13366
 Ion Ratio Lower Upper
 75 100
 39 55.4 50.6 75.8
 77 29.2 24.8 37.2

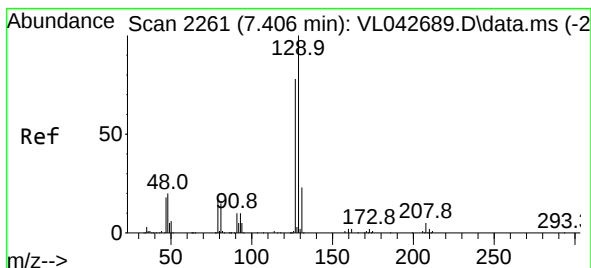
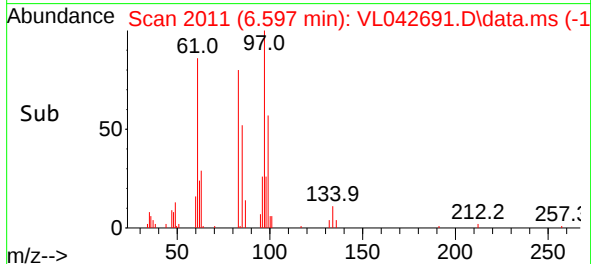
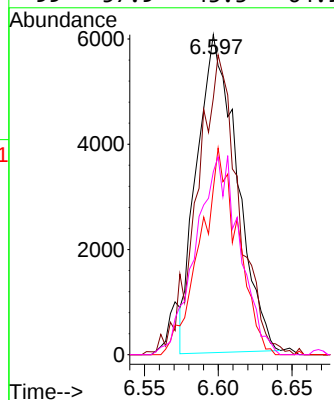
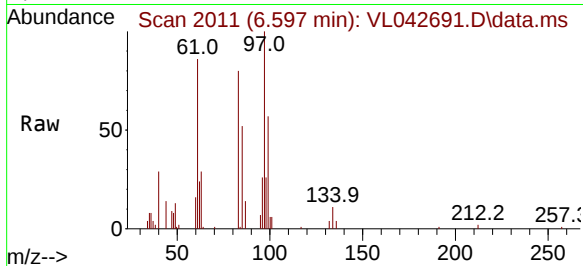




#47
1,1,2-Trichloroethane
Concen: 0.967 ppbv
RT: 6.597 min Scan# 2011
Delta R.T. -0.010 min
Lab File: VL042691.D
Acq: 02 Jul 2025 09:28

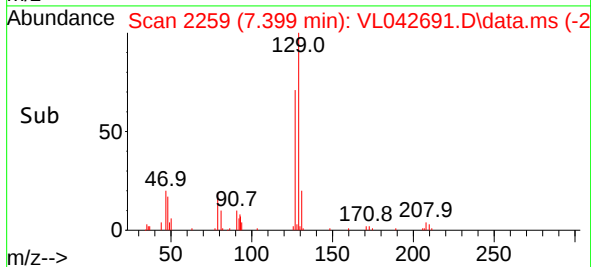
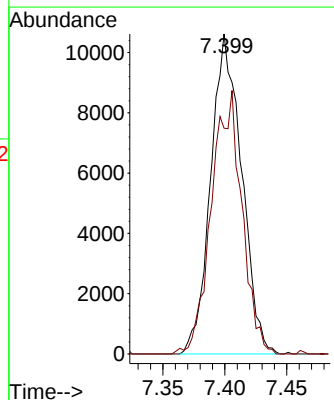
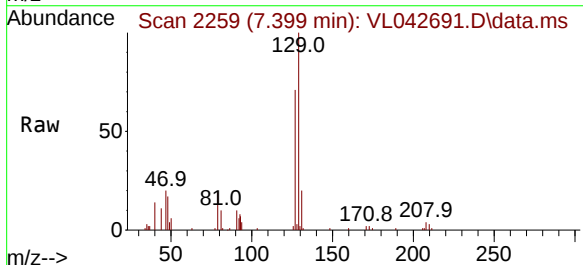
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

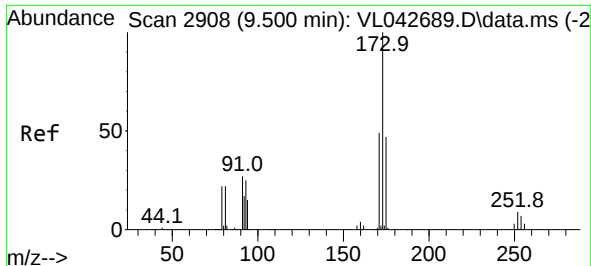
Tgt Ion: 97	Resp: 11432
Ion Ratio	Lower Upper
97 100	
83 78.6	69.3 103.9
85 52.5	43.7 65.5
99 57.9	43.3 64.9



#48
Dibromochloromethane
Concen: 1.019 ppbv
RT: 7.399 min Scan# 2259
Delta R.T. -0.006 min
Lab File: VL042691.D
Acq: 02 Jul 2025 09:28

Tgt Ion:129	Resp:	18446	
Ion	Ratio	Lower	Upper
129	100		
127	80.9	38.3	114.8

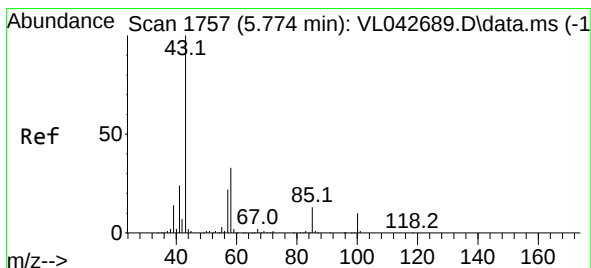
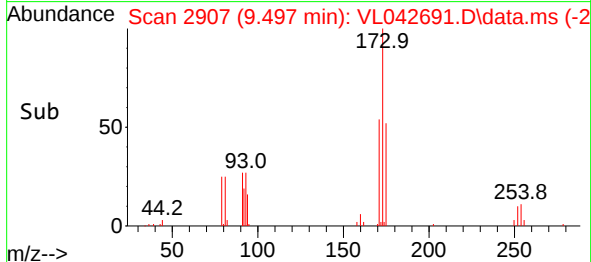
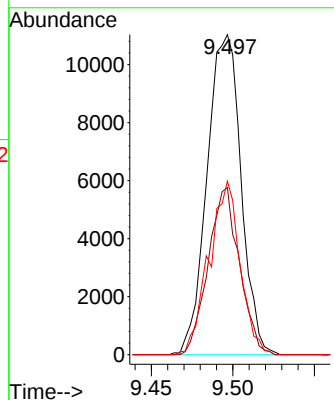
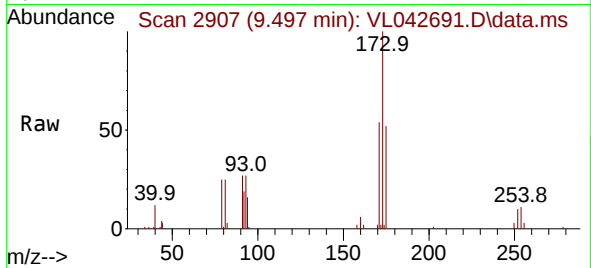




#49
Bromoform
Concen: 1.023 ppbv
RT: 9.497 min Scan# 2907
Delta R.T. -0.003 min
Lab File: VL042691.D
Acq: 02 Jul 2025 09:28

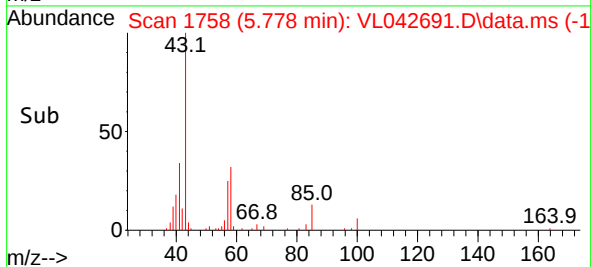
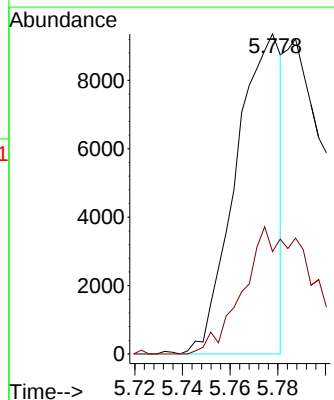
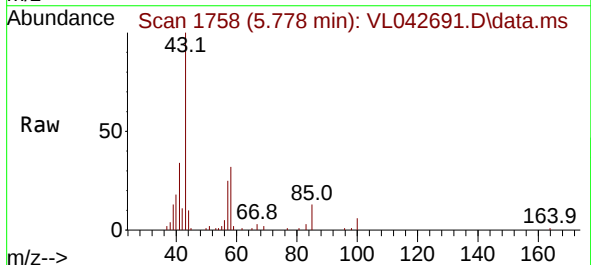
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

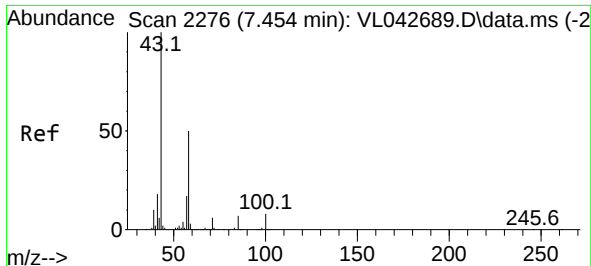
Tgt Ion:173 Resp: 16000
Ion Ratio Lower Upper
173 100
175 47.9 38.6 57.8
171 49.7 40.3 60.5



#50
4-Methyl-2-Pentanone
Concen: 0.436 ppbv
RT: 5.778 min Scan# 1758
Delta R.T. 0.003 min
Lab File: VL042691.D
Acq: 02 Jul 2025 09:28

Tgt Ion: 43 Resp: 12310
Ion Ratio Lower Upper
43 100
58 69.3 27.5 41.3#

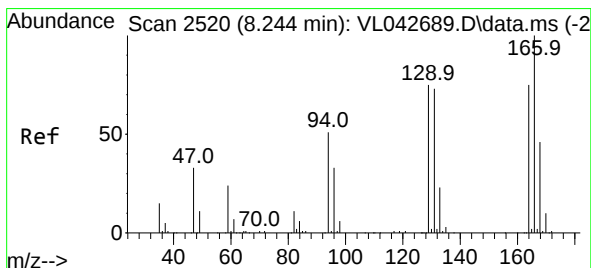
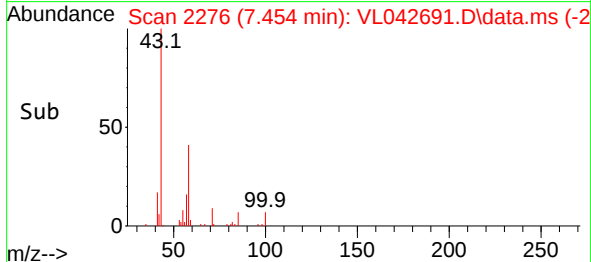
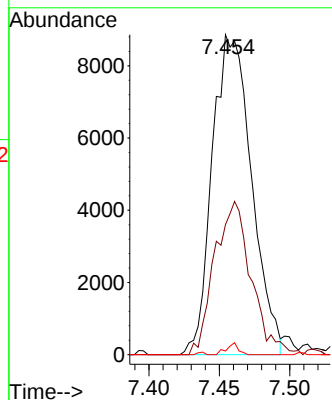
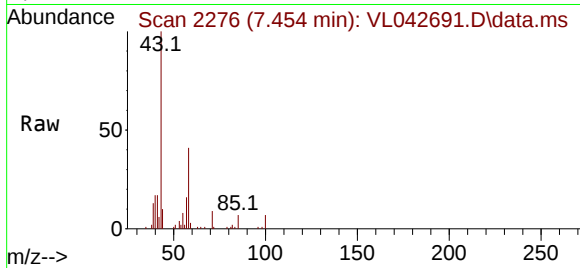




#51
2-Hexanone
Concen: 0.835 ppbv
RT: 7.454 min Scan# 2118
Delta R.T. 0.000 min
Lab File: VL042691.D
Acq: 02 Jul 2025 09:28

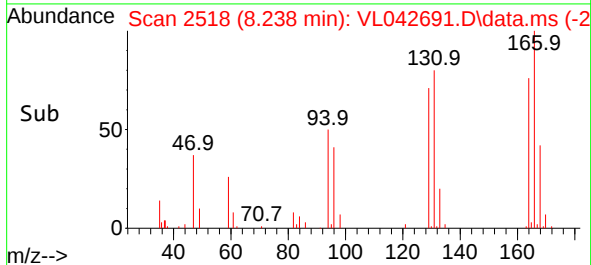
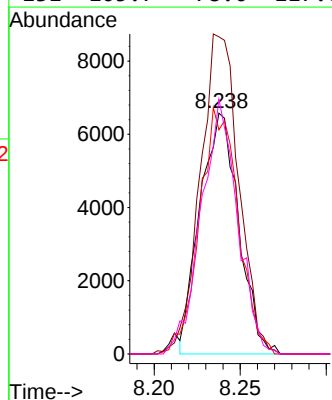
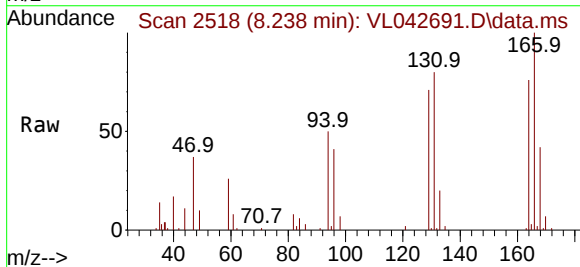
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

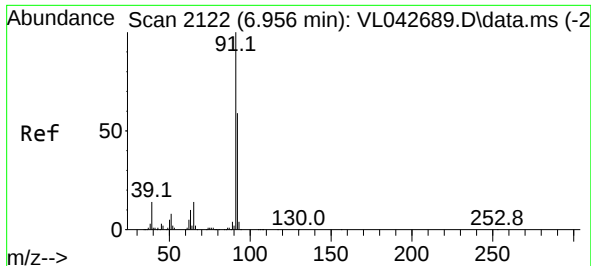
Tgt Ion: 43 Resp: 17236
Ion Ratio Lower Upper
43 100
58 45.2 38.6 57.8
98 1.2 0.6 1.0#



#52
Tetrachloroethene
Concen: 0.998 ppbv
RT: 8.238 min Scan# 2518
Delta R.T. -0.006 min
Lab File: VL042691.D
Acq: 02 Jul 2025 09:28

Tgt Ion: 164 Resp: 10305
Ion Ratio Lower Upper
164 100
166 131.8 106.6 160.0
129 93.1 79.8 119.6
131 105.7 78.0 117.0





#53

Toluene

Concen: 0.915 ppbv

RT: 6.949 min Scan# 2120

Delta R.T. -0.006 min

Lab File: VL042691.D

Acq: 02 Jul 2025 09:28

Instrument :

MSVOA_L

ClientSampleId :

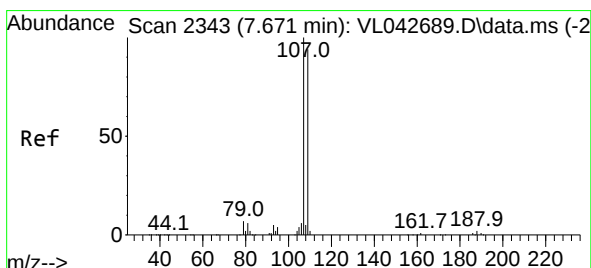
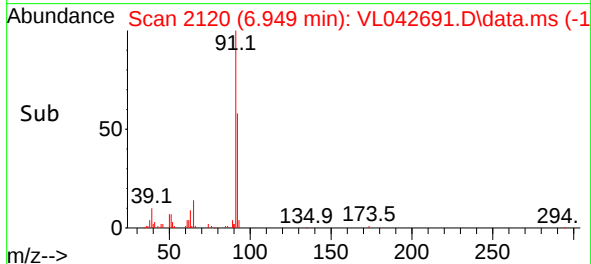
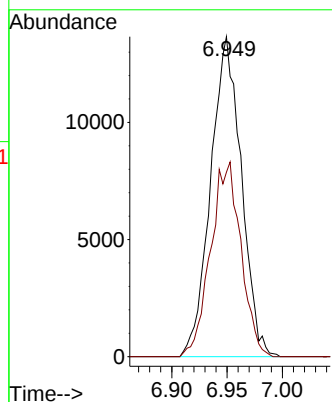
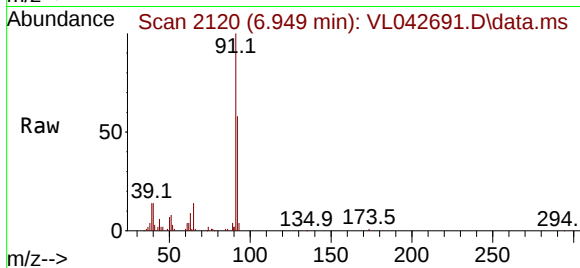
VSTDIC001

Tgt Ion: 91 Resp: 26314

Ion Ratio Lower Upper

91 100

92 60.1 47.4 71.2



#54

1,2-Dibromoethane

Concen: 0.968 ppbv

RT: 7.665 min Scan# 2341

Delta R.T. -0.006 min

Lab File: VL042691.D

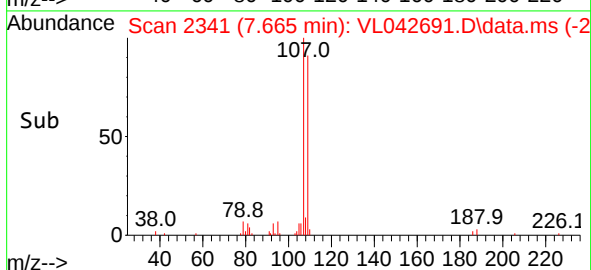
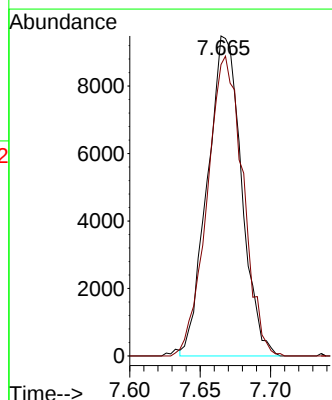
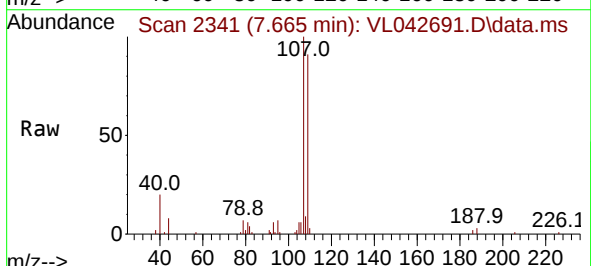
Acq: 02 Jul 2025 09:28

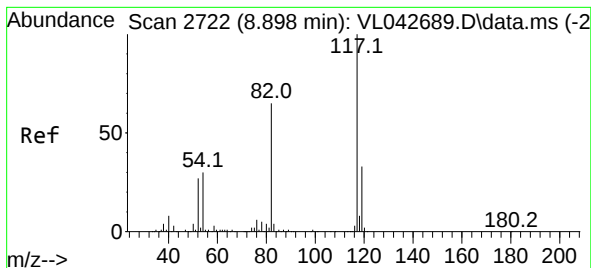
Tgt Ion: 107 Resp: 15978

Ion Ratio Lower Upper

107 100

109 90.3 74.8 112.2





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.891 min Scan# 21

Delta R.T. -0.006 min

Lab File: VL042691.D

Acq: 02 Jul 2025 09:28

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC001

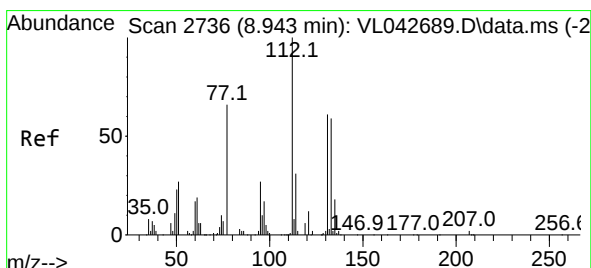
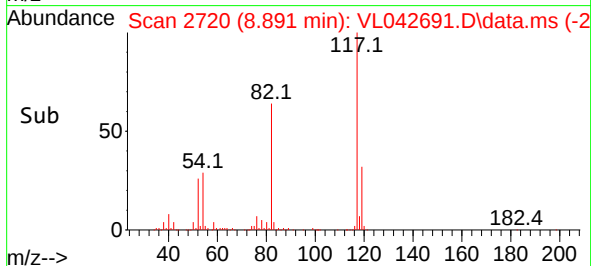
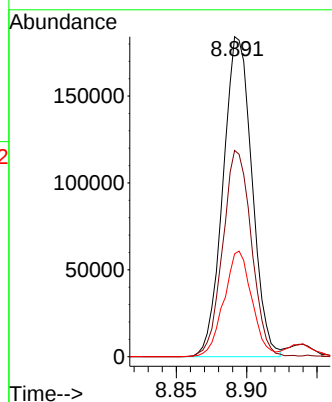
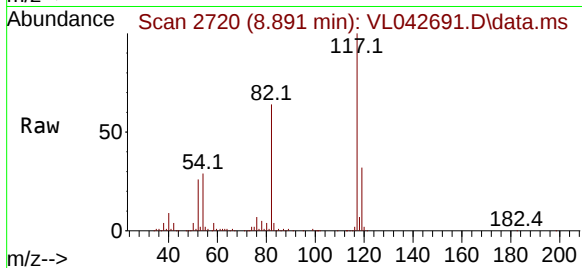
Tgt Ion:117 Resp: 263429

Ion Ratio Lower Upper

117 100

82 64.1 53.4 80.2

119 32.5 26.6 39.8



#56

1,1,1,2-Tetrachloroethane

Concen: 1.088 ppbv

RT: 8.940 min Scan# 2735

Delta R.T. -0.003 min

Lab File: VL042691.D

Acq: 02 Jul 2025 09:28

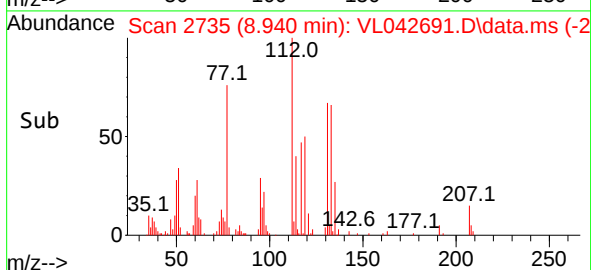
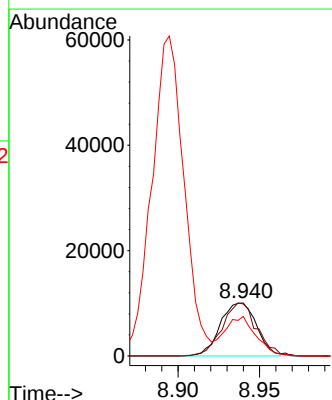
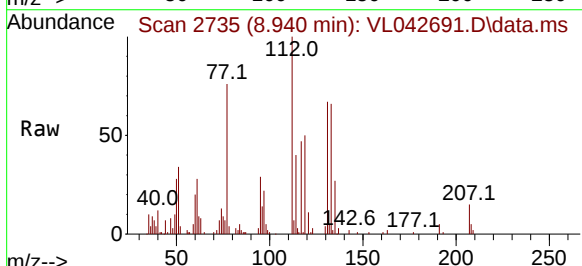
Tgt Ion:131 Resp: 15492

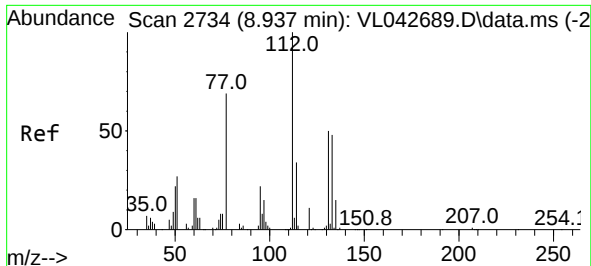
Ion Ratio Lower Upper

131 100

133 95.6 77.3 115.9

119 61.2 52.6 78.8

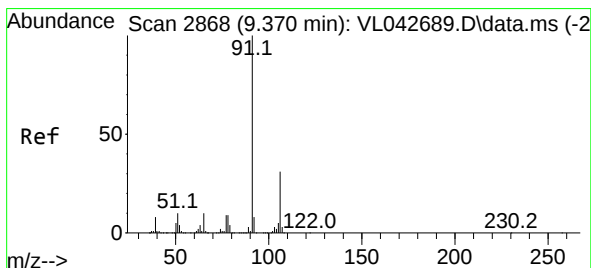
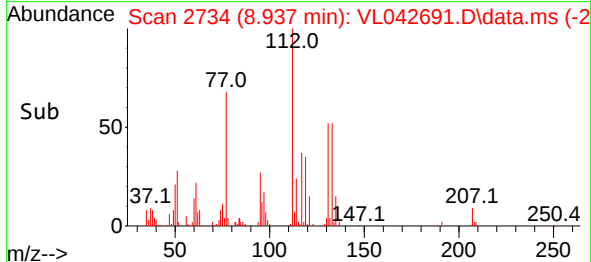
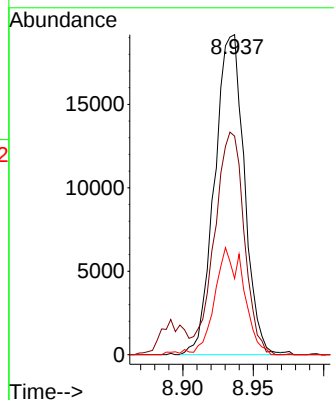
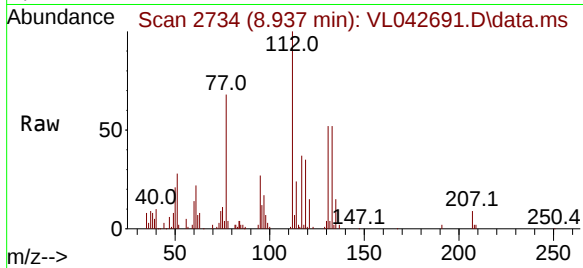




#57
Chlorobenzene
Concen: 1.066 ppbv
RT: 8.937 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL042691.D
Acq: 02 Jul 2025 09:28

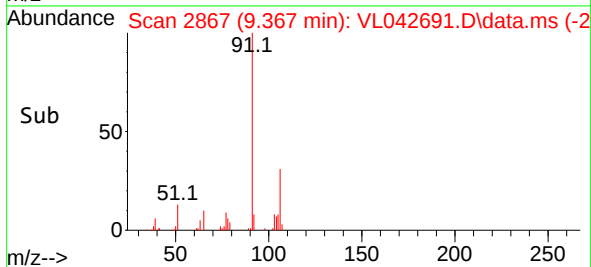
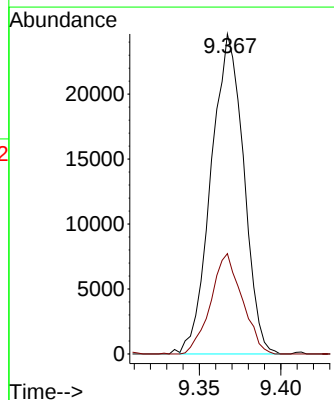
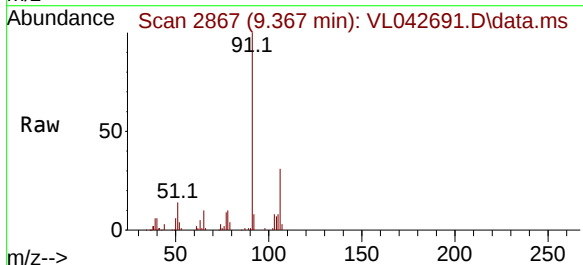
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

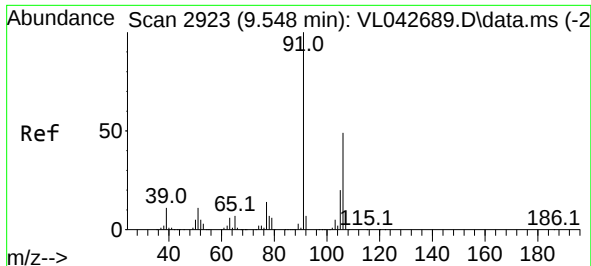
Tgt Ion	Ratio	Lower	Upper
112	100		
77	68.3	56.2	84.4
114	23.8	30.2	37.0



#58
Ethyl Benzene
Concen: 0.897 ppbv
RT: 9.367 min Scan# 2867
Delta R.T. -0.003 min
Lab File: VL042691.D
Acq: 02 Jul 2025 09:28

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.3	24.9	37.3





#59

m/p-Xylene

Concen: 0.894 ppbv

RT: 9.545 min Scan# 2923

Delta R.T. -0.003 min

Lab File: VL042691.D

Acq: 02 Jul 2025 09:28

Instrument :

MSVOA_L

ClientSampleId :

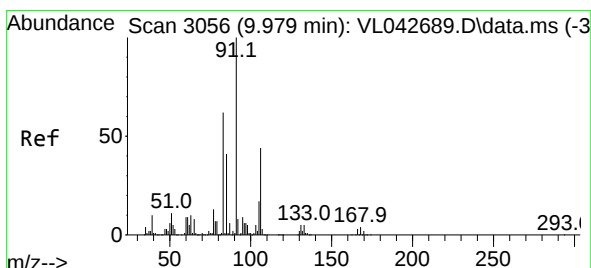
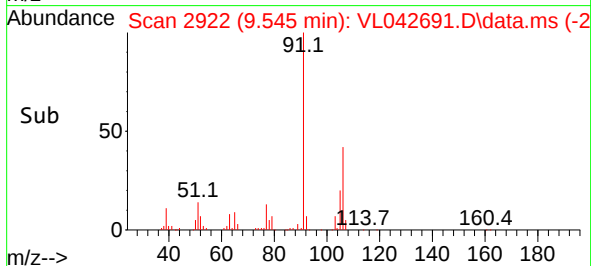
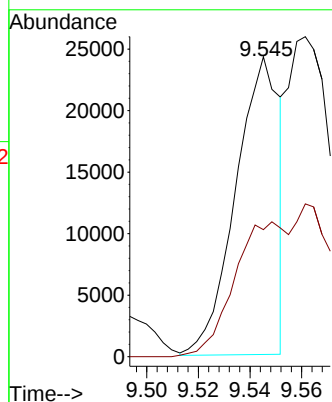
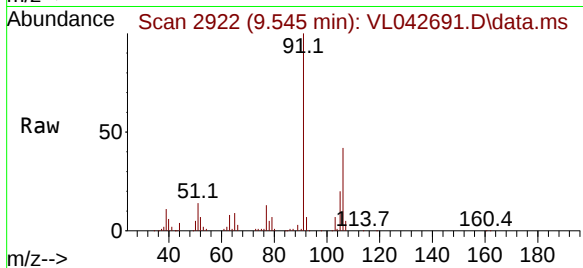
VSTDIC001

Tgt Ion: 91 Resp: 28538

Ion Ratio Lower Upper

91 100

106 0.0 37.6 56.4#



#60

o-Xylene

Concen: 0.969 ppbv

RT: 9.976 min Scan# 3055

Delta R.T. -0.003 min

Lab File: VL042691.D

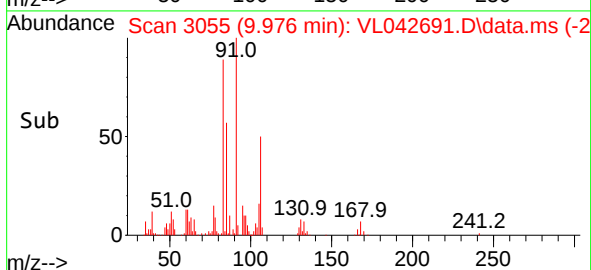
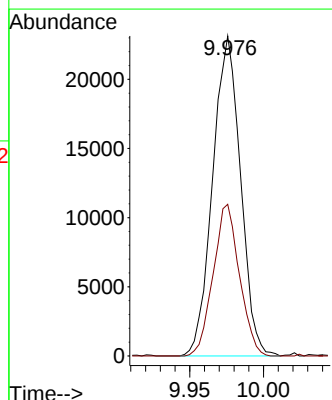
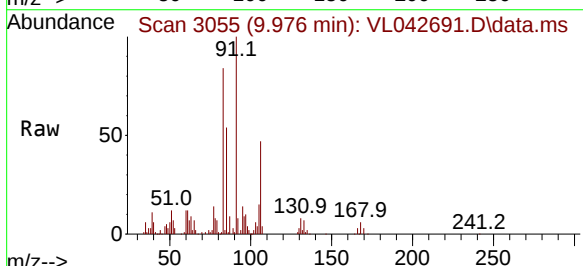
Acq: 02 Jul 2025 09:28

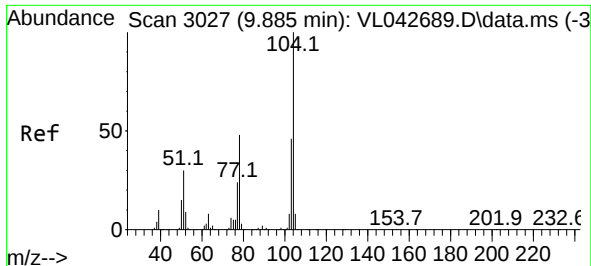
Tgt Ion: 91 Resp: 30409

Ion Ratio Lower Upper

91 100

106 44.7 22.8 68.4

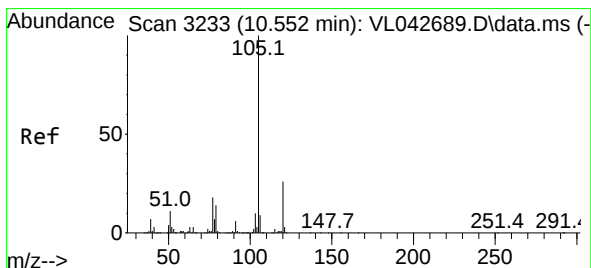
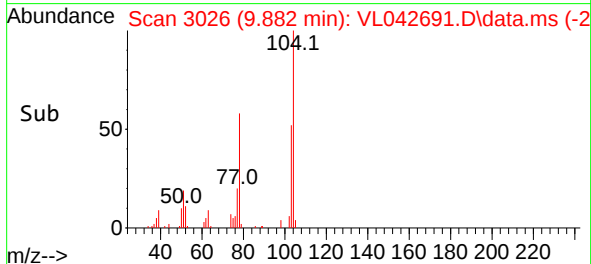
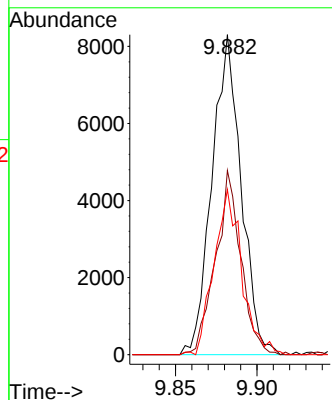
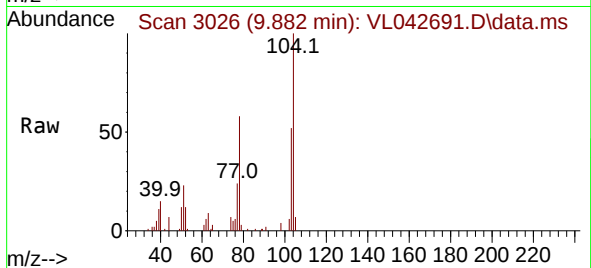




#61
Styrene
Concen: 0.837 ppbv
RT: 9.882 min Scan# 3027
Delta R.T. -0.003 min
Lab File: VL042691.D
Acq: 02 Jul 2025 09:28

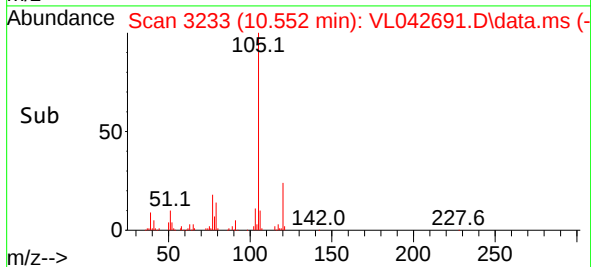
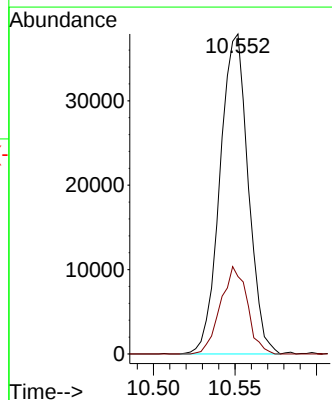
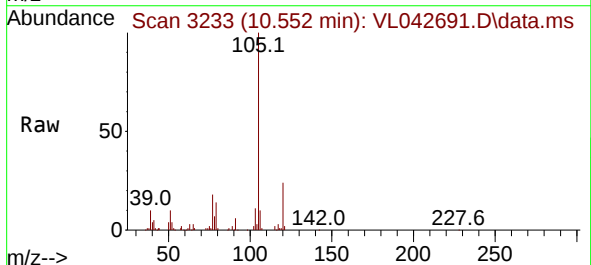
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

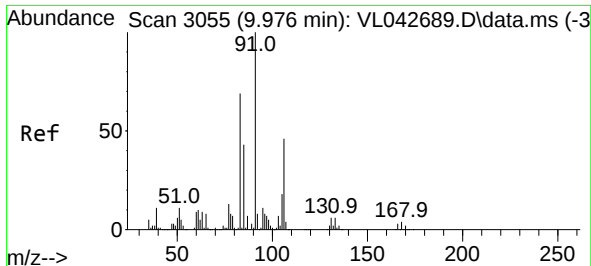
Tgt Ion:104 Resp: 10327
Ion Ratio Lower Upper
104 100
78 50.0 39.0 58.6
103 49.2 37.4 56.0



#62
Isopropylbenzene
Concen: 0.963 ppbv
RT: 10.552 min Scan# 3233
Delta R.T. 0.000 min
Lab File: VL042691.D
Acq: 02 Jul 2025 09:28

Tgt Ion:105 Resp: 45619
Ion Ratio Lower Upper
105 100
120 25.8 20.6 31.0





#63

1,1,2,2-Tetrachloroethane

Concen: 1.036 ppbv

RT: 9.972 min Scan# 3055

Delta R.T. -0.003 min

Lab File: VL042691.D

Acq: 02 Jul 2025 09:28

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC001

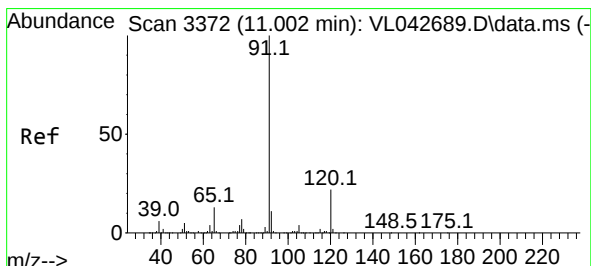
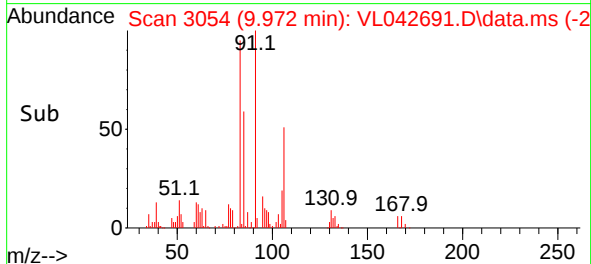
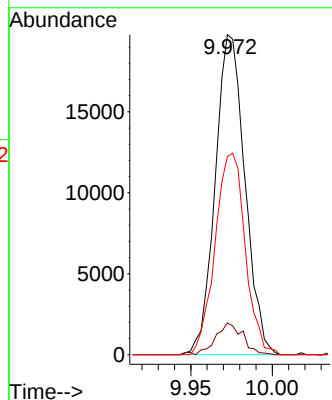
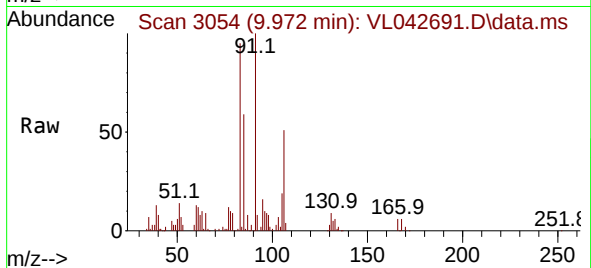
Tgt Ion: 83 Resp: 25045

Ion Ratio Lower Upper

83 100

131 9.2 4.5 13.4

85 63.8 31.5 94.5



#64

n-propylbenzene

Concen: 0.998 ppbv

RT: 10.995 min Scan# 3370

Delta R.T. -0.006 min

Lab File: VL042691.D

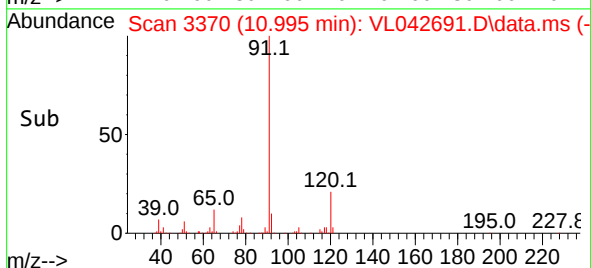
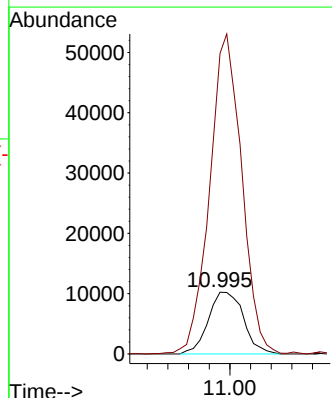
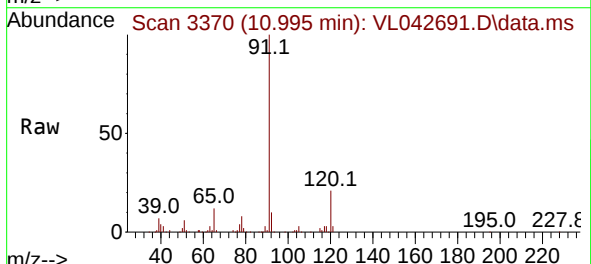
Acq: 02 Jul 2025 09:28

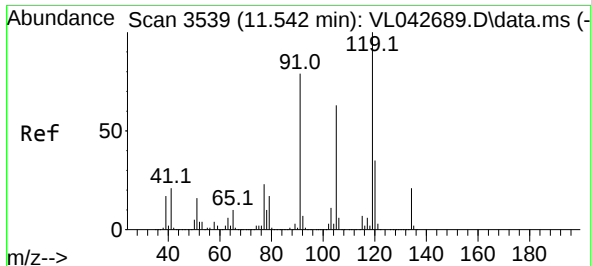
Tgt Ion: 120 Resp: 12111

Ion Ratio Lower Upper

120 100

91 473.1 377.8 566.8

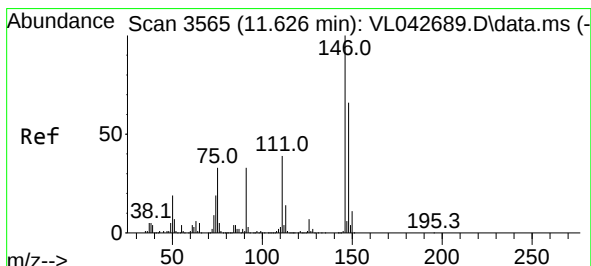
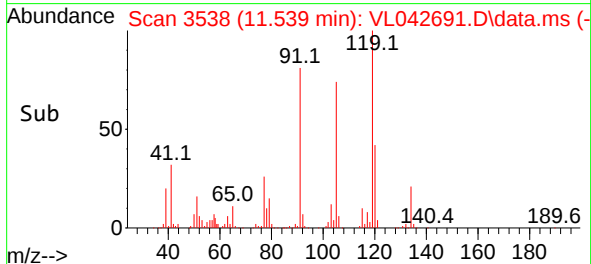
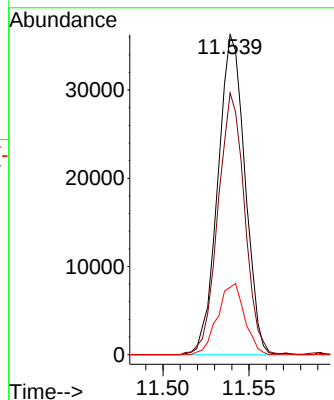
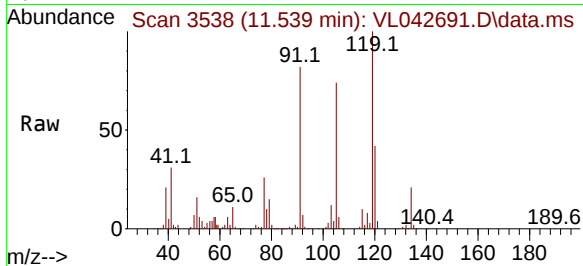




#65
tert-Butylbenzene
Concen: 0.979 ppbv
RT: 11.539 min Scan# 3538
Delta R.T. -0.003 min
Lab File: VL042691.D
Acq: 02 Jul 2025 09:28

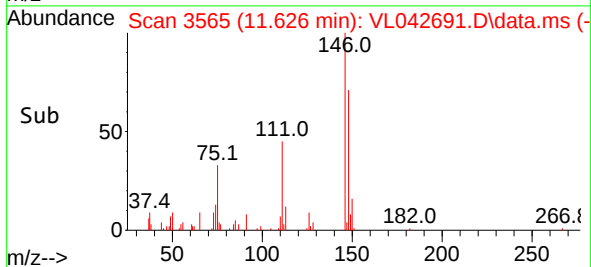
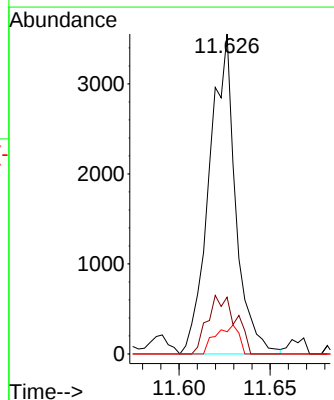
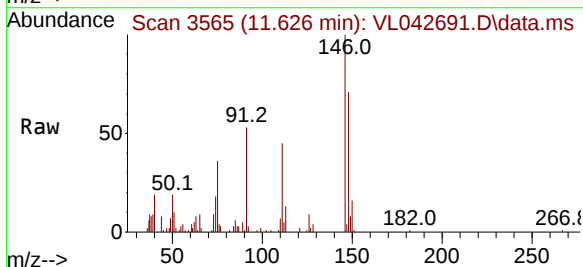
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

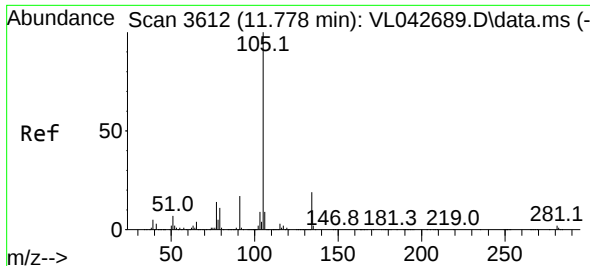
Tgt Ion:119 Resp: 39720
Ion Ratio Lower Upper
119 100
91 80.4 62.6 93.8
134 22.1 16.9 25.3



#66
Benzyl Chloride
Concen: 0.909 ppbv
RT: 11.626 min Scan# 3565
Delta R.T. 0.000 min
Lab File: VL042691.D
Acq: 02 Jul 2025 09:28

Tgt Ion: 91 Resp: 3571
Ion Ratio Lower Upper
91 100
126 19.6 14.8 22.2
128 7.9 4.7 7.1#

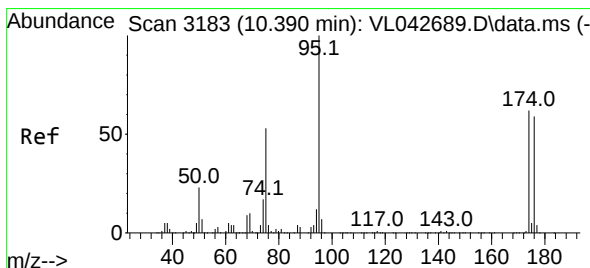
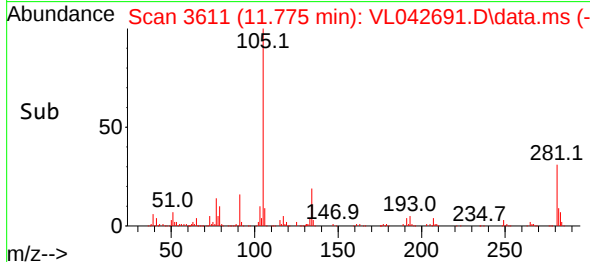
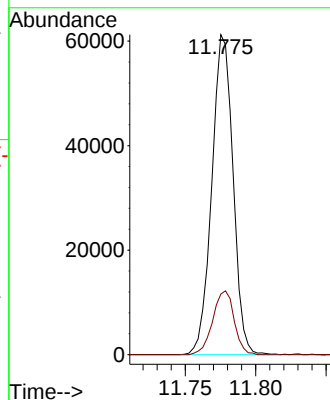
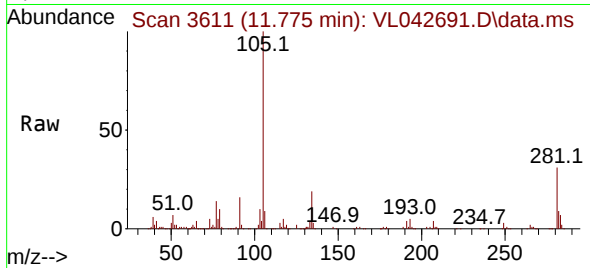




#67
 sec-Butylbenzene
 Concen: 1.033 ppbv
 RT: 11.775 min Scan# 3611
 Delta R.T. -0.003 min
 Lab File: VL042691.D
 Acq: 02 Jul 2025 09:28

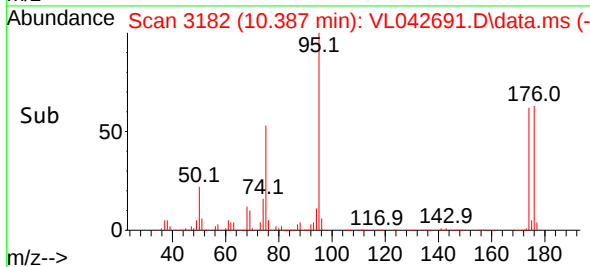
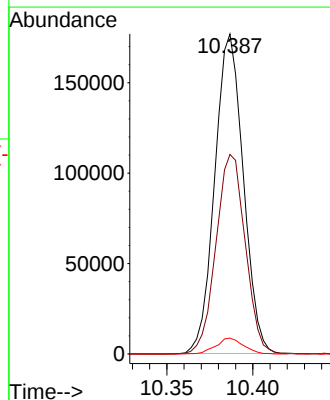
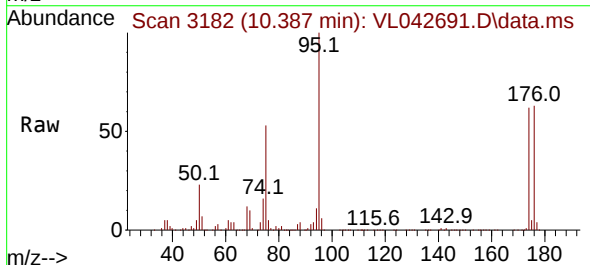
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

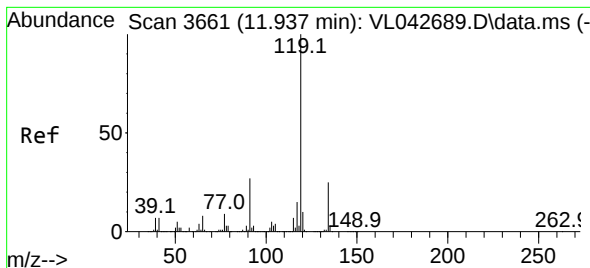
Tgt Ion:105 Resp: 64205
 Ion Ratio Lower Upper
 105 100
 134 20.1 15.0 22.6



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.040 ppbv
 RT: 10.387 min Scan# 3182
 Delta R.T. -0.003 min
 Lab File: VL042691.D
 Acq: 02 Jul 2025 09:28

Tgt Ion: 95 Resp: 203435
 Ion Ratio Lower Upper
 95 100
 174 64.4 51.2 76.8
 175 4.8 3.8 5.8

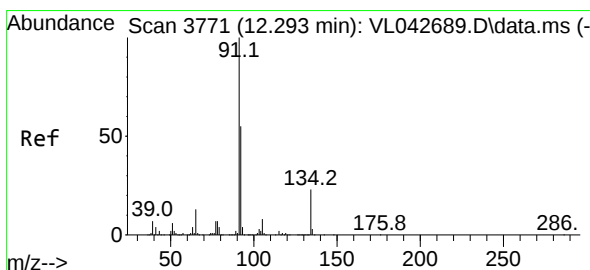
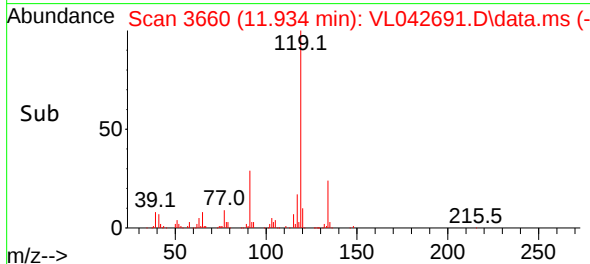
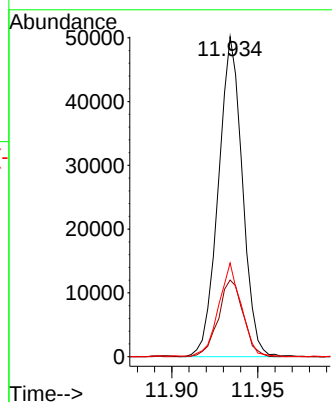
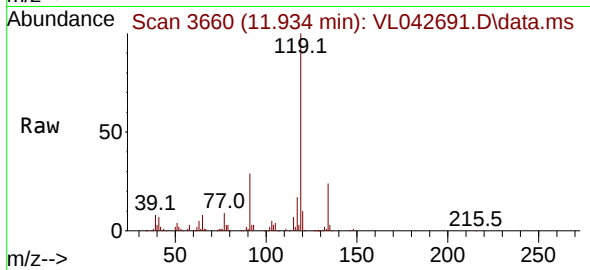




#69
p-Isopropyltoluene
Concen: 0.986 ppbv
RT: 11.934 min Scan# 3660
Delta R.T. -0.003 min
Lab File: VL042691.D
Acq: 02 Jul 2025 09:28

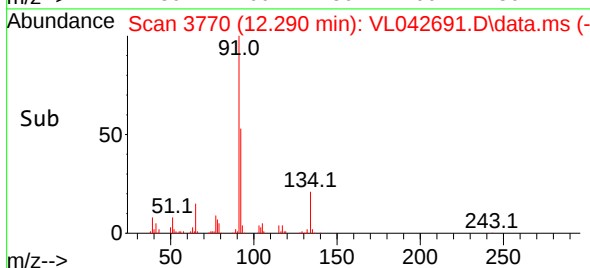
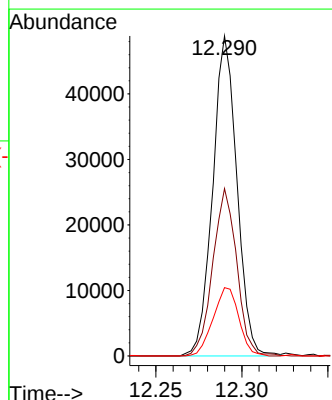
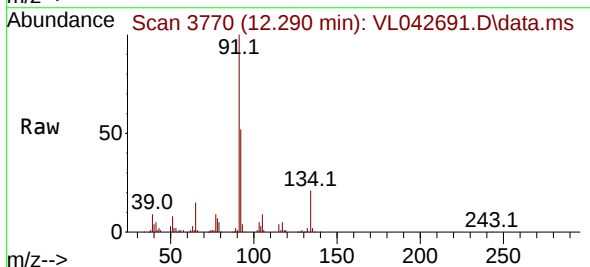
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC001

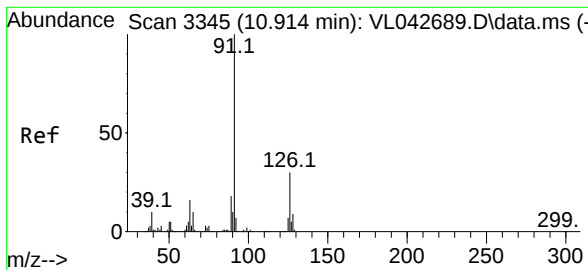
Tgt Ion:119 Resp: 48735
Ion Ratio Lower Upper
119 100
134 24.8 20.6 31.0
91 28.3 21.4 32.2



#70
n-Butylbenzene
Concen: 0.960 ppbv
RT: 12.290 min Scan# 3770
Delta R.T. -0.003 min
Lab File: VL042691.D
Acq: 02 Jul 2025 09:28

Tgt Ion: 91 Resp: 47831
Ion Ratio Lower Upper
91 100
92 51.8 44.2 66.2
134 22.9 18.6 27.8

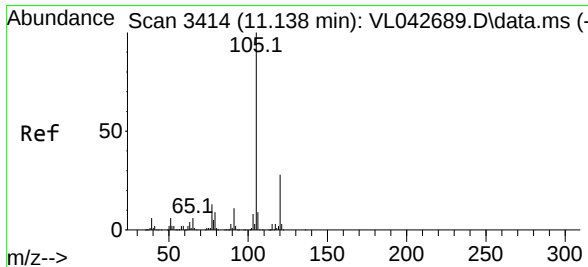
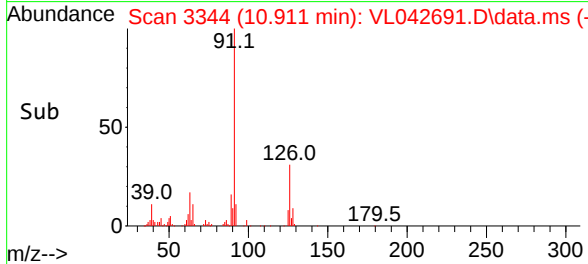
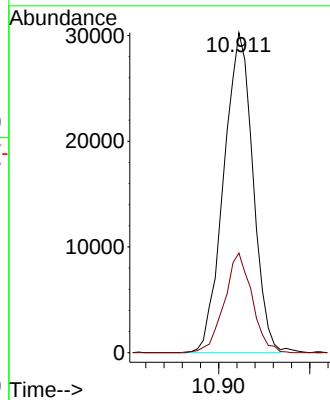
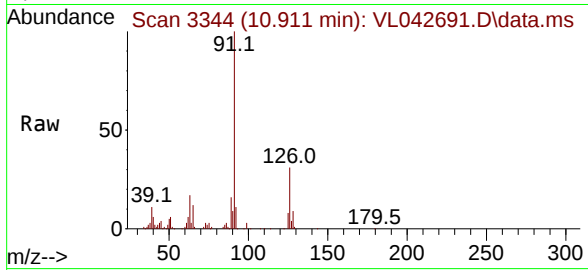




#71
2-Chlorotoluene
Concen: 0.961 ppbv
RT: 10.911 min Scan# 31
Delta R.T. -0.003 min
Lab File: VL042691.D
Acq: 02 Jul 2025 09:28

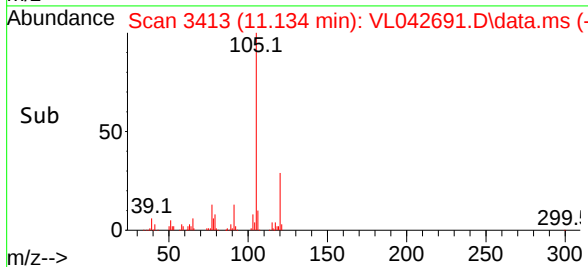
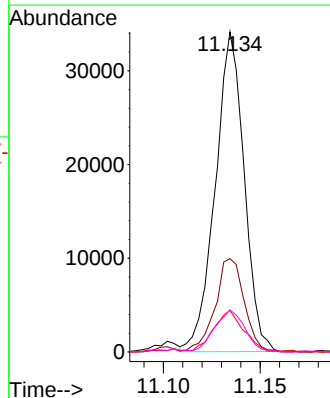
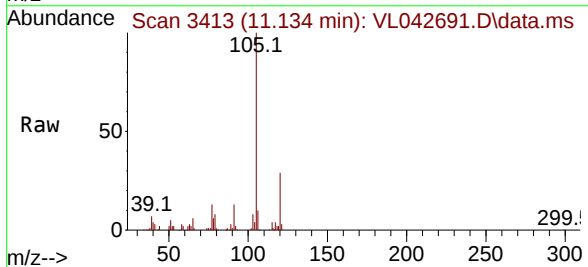
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

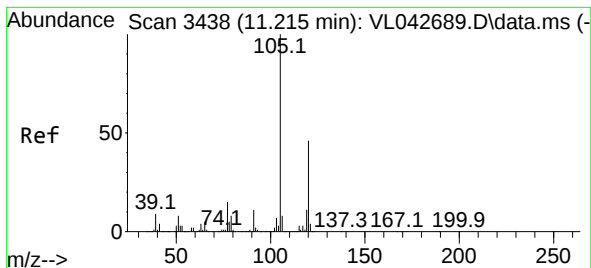
Tgt Ion: 91 Resp: 33676
Ion Ratio Lower Upper
91 100
126 29.6 11.8 47.4



#72
4-Ethyltoluene
Concen: 0.923 ppbv
RT: 11.134 min Scan# 3413
Delta R.T. -0.003 min
Lab File: VL042691.D
Acq: 02 Jul 2025 09:28

Tgt Ion: 105 Resp: 35361
Ion Ratio Lower Upper
105 100
120 30.5 23.8 35.6
91 14.6 9.7 14.5#
77 14.7 10.5 15.7





#73

1,3,5-Trimethylbenzene

Concen: 0.974 ppbv

RT: 11.215 min Scan# 3438

Delta R.T. 0.000 min

Lab File: VL042691.D

Acq: 02 Jul 2025 09:28

Instrument :

MSVOA_L

ClientSampleId :

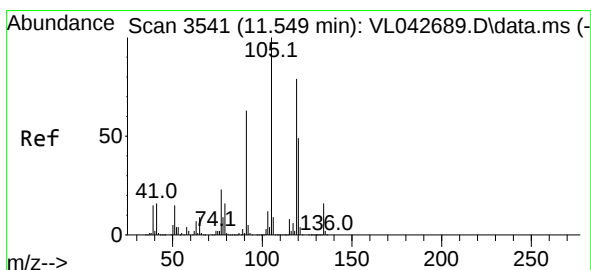
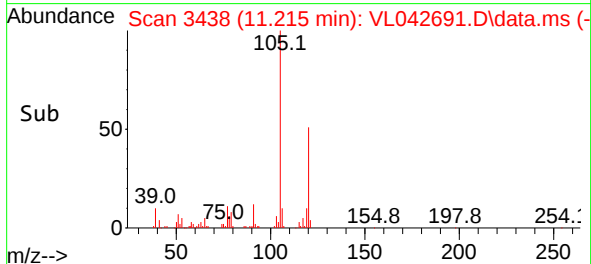
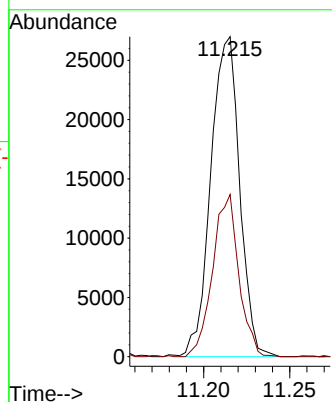
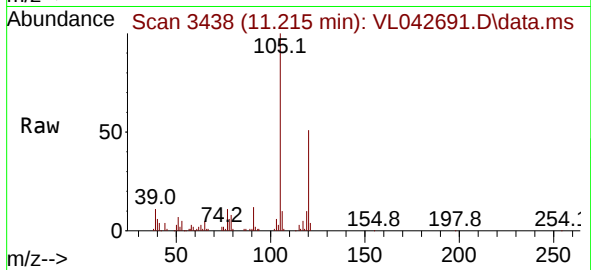
VSTDIC001

Tgt Ion:105 Resp: 31466

Ion Ratio Lower Upper

105 100

120 50.7 37.0 55.4



#74

1,2,4-Trimethylbenzene

Concen: 1.032 ppbv

RT: 11.545 min Scan# 3540

Delta R.T. -0.003 min

Lab File: VL042691.D

Acq: 02 Jul 2025 09:28

Tgt Ion:105 Resp: 38012

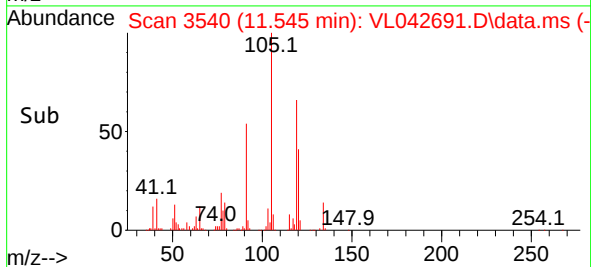
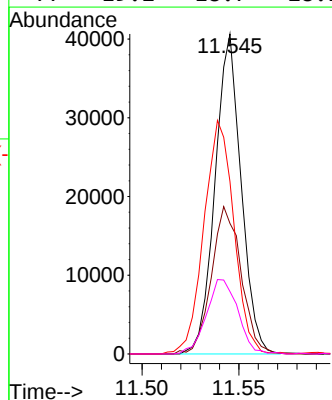
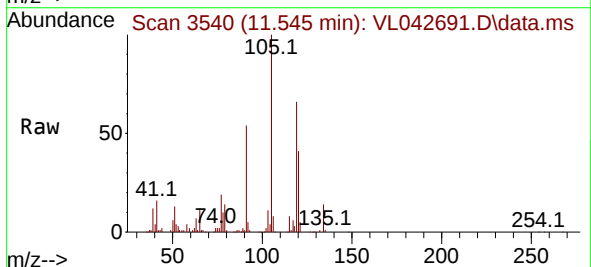
Ion Ratio Lower Upper

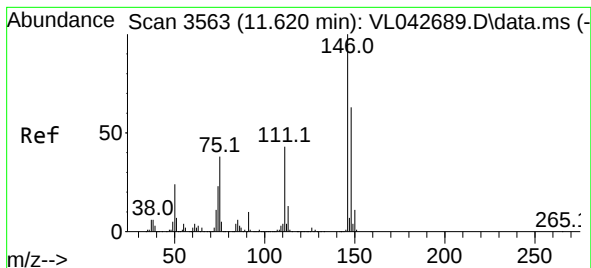
105 100

120 40.6 39.6 59.4

91 53.4 51.0 76.6

77 19.2 18.7 28.1





#75

1,3-Dichlorobenzene

Concen: 1.082 ppbv

RT: 11.617 min Scan# 3562

Delta R.T. -0.003 min

Lab File: VL042691.D

Acq: 02 Jul 2025 09:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

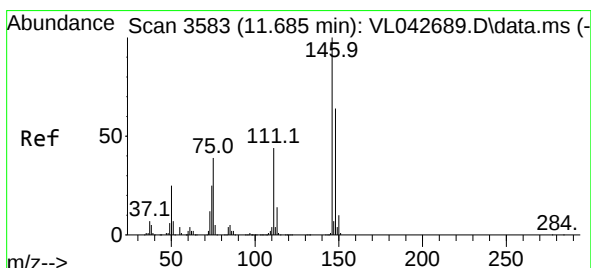
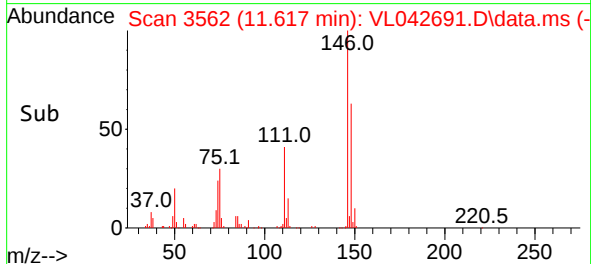
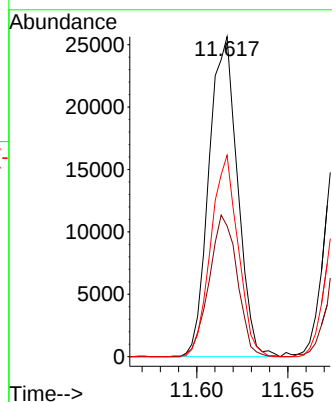
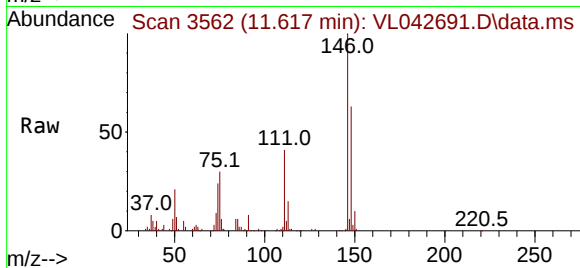
Tgt Ion:146 Resp: 27976

Ion Ratio Lower Upper

146 100

111 43.6 21.6 65.0

148 60.2 31.6 94.7



#76

1,4-Dichlorobenzene

Concen: 1.052 ppbv

RT: 11.681 min Scan# 3582

Delta R.T. -0.003 min

Lab File: VL042691.D

Acq: 02 Jul 2025 09:28

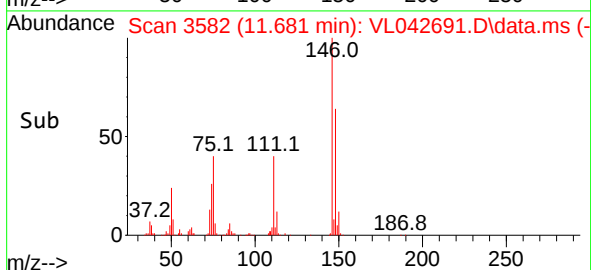
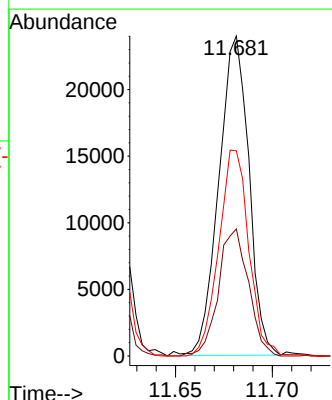
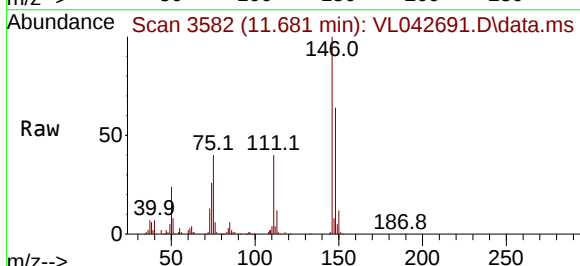
Tgt Ion:146 Resp: 25814

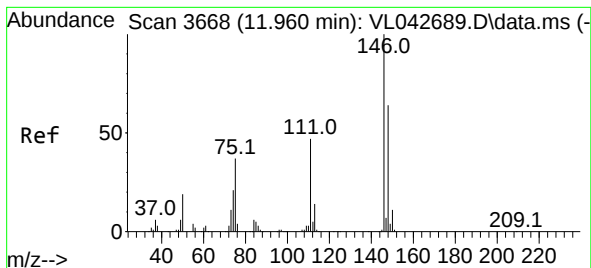
Ion Ratio Lower Upper

146 100

111 39.9 21.4 64.3

148 64.8 31.8 95.4





#77

1,2-Dichlorobenzene

Concen: 1.075 ppbv

RT: 11.957 min Scan# 3667

Delta R.T. -0.003 min

Lab File: VL042691.D

Acq: 02 Jul 2025 09:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

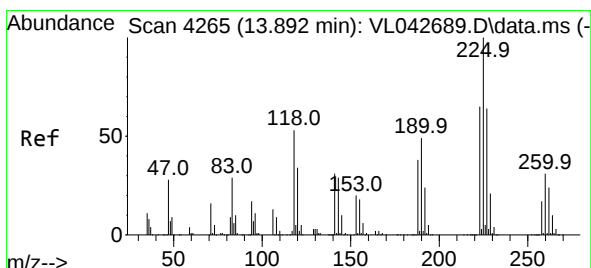
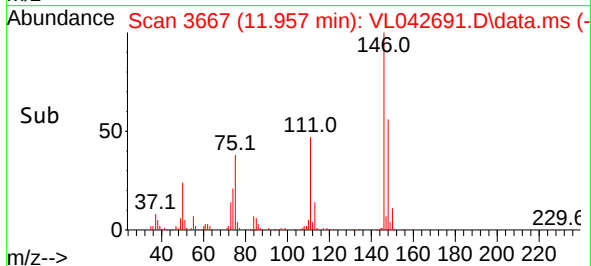
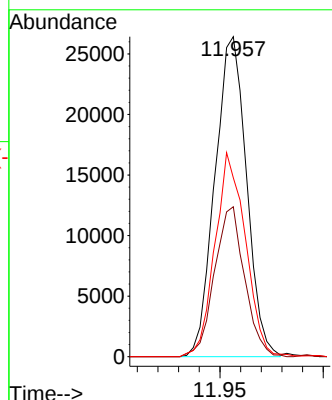
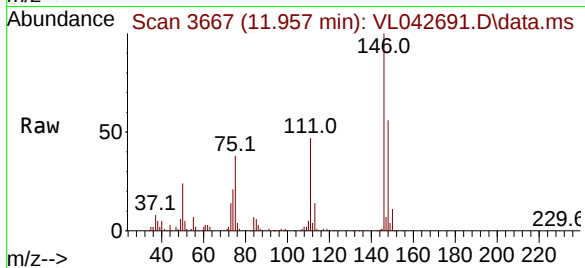
Tgt Ion:146 Resp: 28060

Ion Ratio Lower Upper

146 100

111 45.0 22.9 68.8

148 61.7 31.9 95.7



#78

Hexachloro-1,3-Butadiene

Concen: 1.147 ppbv

RT: 13.889 min Scan# 4264

Delta R.T. -0.003 min

Lab File: VL042691.D

Acq: 02 Jul 2025 09:28

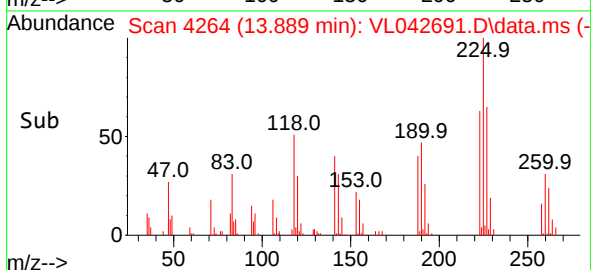
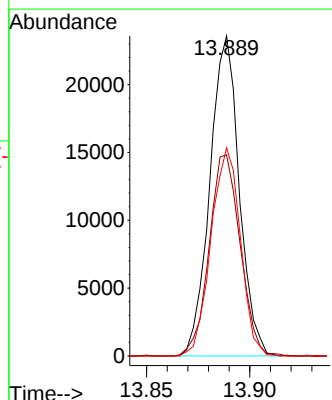
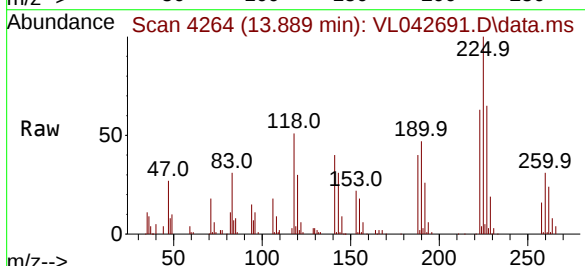
Tgt Ion:225 Resp: 23328

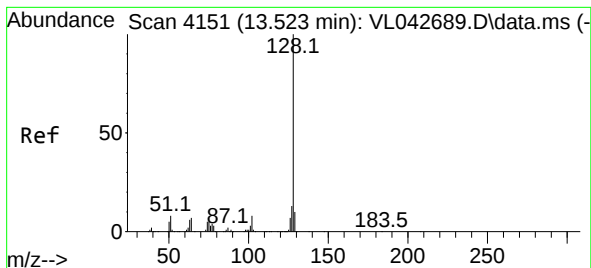
Ion Ratio Lower Upper

225 100

223 66.4 50.5 75.7

227 64.8 50.0 75.0





#79

Naphthalene

Concen: 0.971 ppbv

RT: 13.523 min Scan# 4151

Delta R.T. 0.000 min

Lab File: VL042691.D

Acq: 02 Jul 2025 09:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

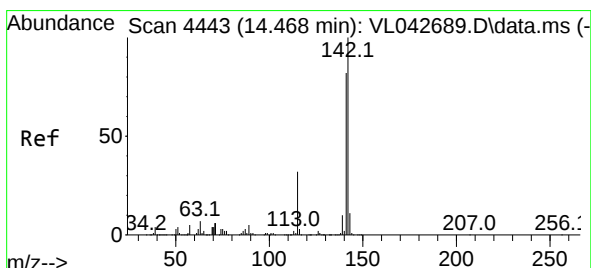
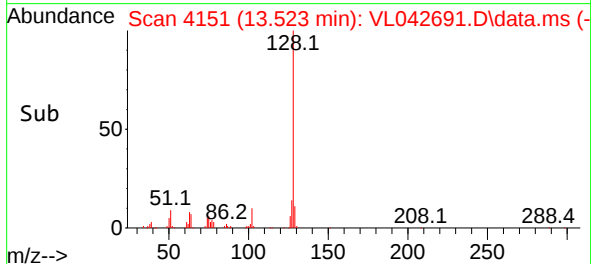
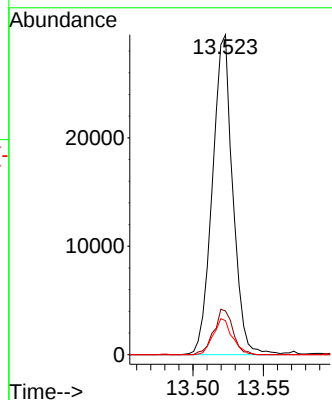
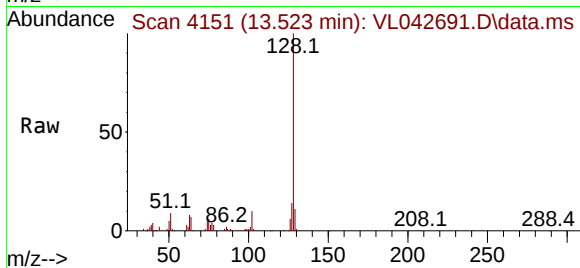
Tgt Ion:128 Resp: 29658

Ion Ratio Lower Upper

128 100

127 13.6 10.2 15.4

129 10.7 8.2 12.2



#80

Naphthalene,2-methyl-

Concen: 0.625 ppbv

RT: 14.465 min Scan# 4442

Delta R.T. -0.003 min

Lab File: VL042691.D

Acq: 02 Jul 2025 09:28

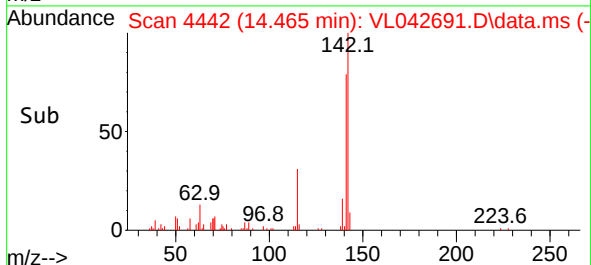
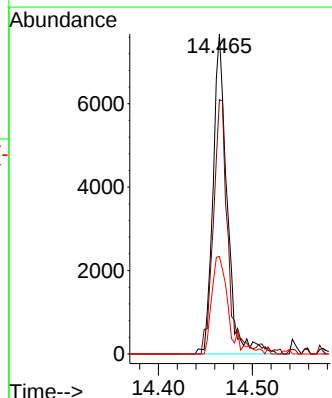
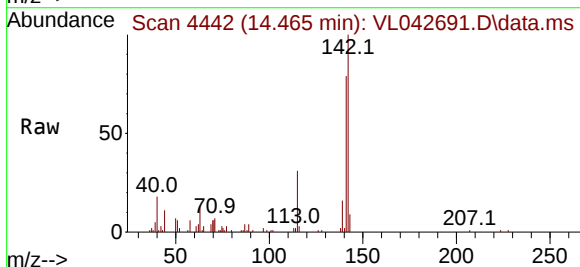
Tgt Ion:142 Resp: 7977

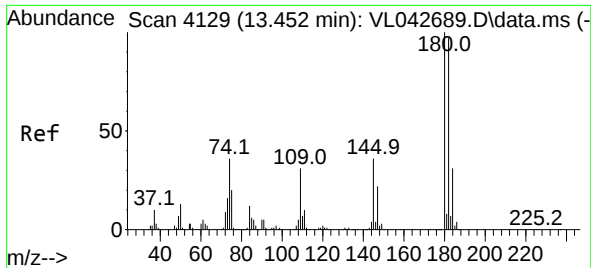
Ion Ratio Lower Upper

142 100

141 83.4 67.4 101.2

115 36.5 26.9 40.3





#81

1,2,4-Trichlorobenzene

Concen: 0.998 ppbv

RT: 13.445 min Scan# 41

Delta R.T. -0.006 min

Lab File: VL042691.D

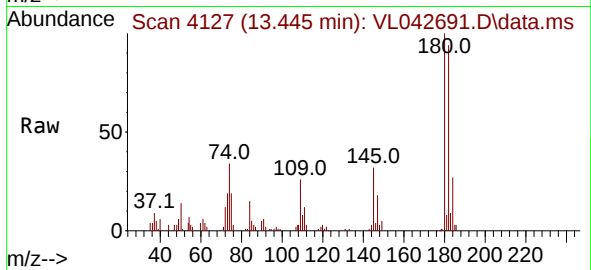
Acq: 02 Jul 2025 09:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001



Tgt Ion:180 Resp: 17882

Ion Ratio Lower Upper

180 100

182 97.0 76.7 115.1

184 29.8 24.4 36.6

