

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL090425\
 Data File : VL042888.D
 Acq On : 04 Sep 2025 12:21
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Sep 05 01:20:46 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Aug 14 02:12:54 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.793	49	126170	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.968	114	354548	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.891	117	305322	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.387	95	238170	10.401	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	= 104.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.502	85	193328	10.455	ppbv	100
3) Chlorodifluoromethane	1.479	51	217495	10.641	ppbv	100
4) Chloromethane	1.538	50	76287	10.223	ppbv	99
5) Vinyl Chloride	1.583	62	68873	9.372	ppbv	99
6) Bromomethane	1.670	94	28366	9.653	ppbv	94
7) Chloroethane	1.709	64	26816	9.344	ppbv	90
8) Dichlorotetrafluoroethane	1.557	85	156776	10.361	ppbv	94
9) Propene	1.486	41	84339	9.555	ppbv	97
10) Heptane	4.994	43	227172	9.609	ppbv	99
11) Trichlorofluoromethane	1.881	101	180337	9.885	ppbv	94
12) 1,1,2-Trichlorotrifluo...	2.146	101	145704	10.020	ppbv	96
13) Ethanol	1.725	45	6319	7.829	ppbv	92
14) Bromoethene	1.787	108	50855	9.661	ppbv	97
15) Acetone	1.839	43	140571	8.422	ppbv	98
16) 1,3-Butadiene	1.612	39	67467	8.917	ppbv	98
17) tert-Butyl alcohol	2.046	59	172174	8.699	ppbv	98
18) 1,1-Dichloroethene	2.039	96	64265	10.053	ppbv	96
19) Isopropyl Alcohol	1.890	45	88687	8.897	ppbv	97
20) Methylene Chloride	2.065	84	56482	8.079	ppbv	92
21) Allyl Chloride	2.101	41	111750	9.478	ppbv	96
22) trans-1,2-Dichloroethene	2.347	96	72316	9.778	ppbv	96
23) Vinyl Acetate	2.470	43	240753	10.491	ppbv	99
24) 1,1-Dichloroethane	2.415	63	144798	9.803	ppbv	99
25) Ethyl Acetate	2.842	43	402614	9.967	ppbv	98
26) Hexane	2.832	57	184675	9.905	ppbv	96
27) Carbon Disulfide	2.156	76	186403	10.273	ppbv	98
28) Methyl tert-Butyl Ether	2.447	73	90259	9.494	ppbv	94
29) Chloroform	2.855	83	280390	10.533	ppbv	99
30) Cyclohexane	3.868	84	154459	9.449	ppbv	98
31) cis-1,2-Dichloroethene	2.729	61	185311	9.950	ppbv	97
32) 1,1,1-Trichloroethane	3.376	97	282844	10.053	ppbv	99
34) 2-Butanone	2.564	43	267855	11.188	ppbv	99
35) Carbon Tetrachloride	3.774	117	277458	11.351	ppbv	97
36) Benzene	3.667	78	368328	10.849	ppbv	98
37) 1,2-Dichloroethane	3.227	62	216745	12.220	ppbv	97
38) Trichloroethene	4.561	130	155001	9.997	ppbv	92
39) 1,2-Dichloropropane	4.324	63	135713	10.945	ppbv	95
40) 1,4-Dioxane	4.596	88	57426	9.739	ppbv	# 89
41) Tetrahydrofuran	3.062	42	144304	10.811	ppbv	98
42) Bromodichloromethane	4.502	83	312742	11.832	ppbv	98
43) Methyl Methacrylate	4.897	69	142269	10.172	ppbv	97
44) 2,2,4-Trimethylpentane	4.654	57	616871	10.705	ppbv	99
45) t-1,3-Dichloropropene	6.431	75	162419	10.290	ppbv	100

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Quant Time: Sep 05 01:20:46 2025
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 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Aug 14 02:12:54 2025
 Response via : Initial Calibration

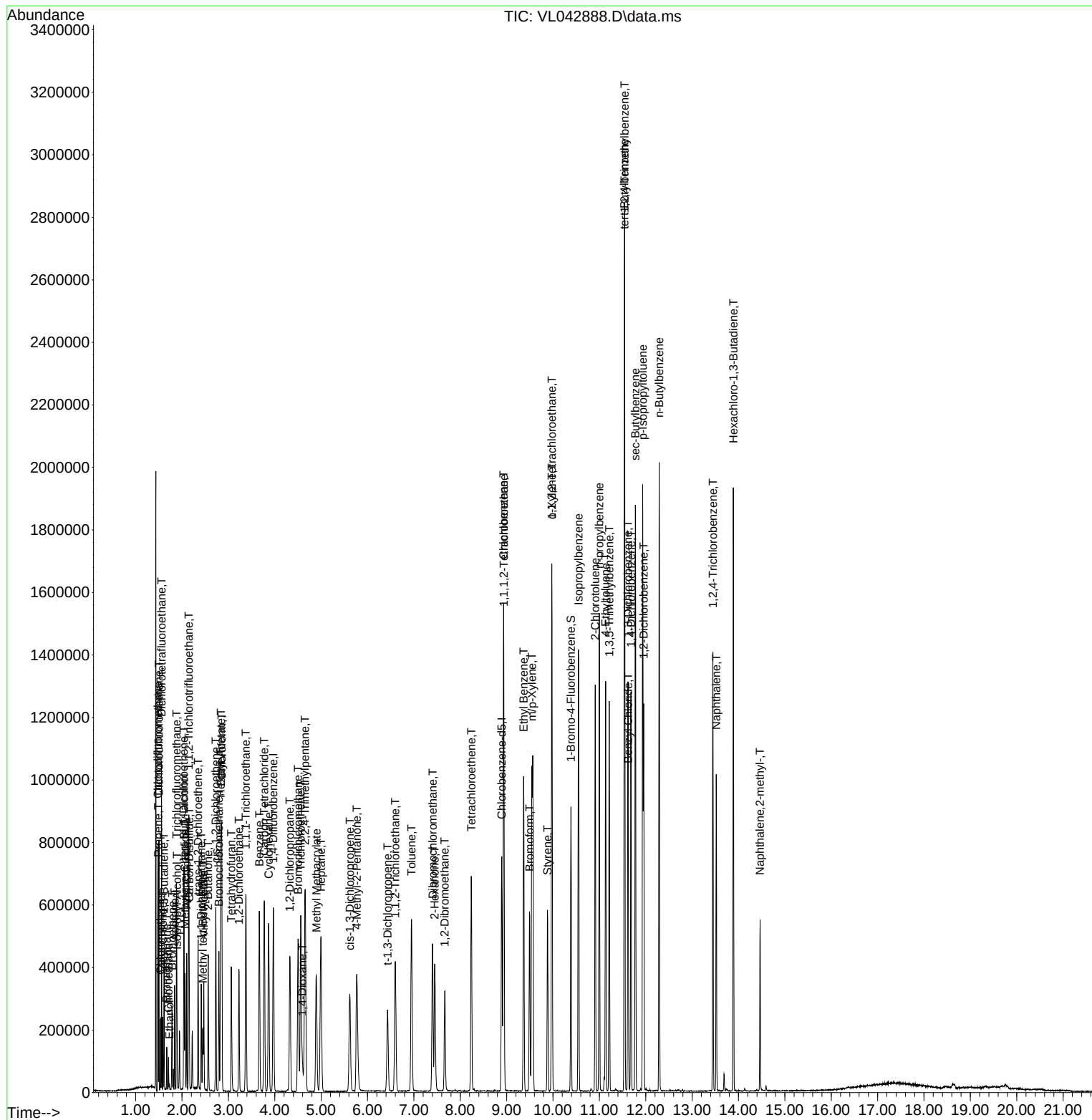
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.619	75	208989	10.626	ppbv	99
47) 1,1,2-Trichloroethane	6.596	97	143562	10.928	ppbv	98
48) Dibromochloromethane	7.402	129	238088	11.199	ppbv	99
49) Bromoform	9.496	173	186758	10.652	ppbv	99
50) 4-Methyl-2-Pentanone	5.768	43	352340	10.888	ppbv	98
51) 2-Hexanone	7.448	43	281377	11.050	ppbv #	97
52) Tetrachloroethene	8.237	164	114794	9.346	ppbv	93
53) Toluene	6.946	91	415989	10.306	ppbv	100
54) 1,2-Dibromoethane	7.665	107	207852	10.826	ppbv	98
56) 1,1,1,2-Tetrachloroethane	8.940	131	172051	10.897	ppbv	100
57) Chlorobenzene	8.933	112	308473	10.626	ppbv	95
58) Ethyl Benzene	9.367	91	575425	10.680	ppbv	98
59) m/p-Xylene	9.545	91	453581	10.740	ppbv #	100
60) o-Xylene	9.975	91	466103	10.972	ppbv	98
61) Styrene	9.885	104	201466	10.122	ppbv	99
62) Isopropylbenzene	10.548	105	663141	10.681	ppbv	98
63) 1,1,2,2-Tetrachloroethane	9.975	83	264816	11.335	ppbv	98
64) n-propylbenzene	10.998	120	167388	10.567	ppbv	92
65) tert-Butylbenzene	11.539	119	573769	10.483	ppbv	95
66) Benzyl Chloride	11.623	91	52019	7.487	ppbv	97
67) sec-Butylbenzene	11.775	105	835362	10.874	ppbv	98
69) p-Isopropyltoluene	11.934	119	675014	10.234	ppbv	98
70) n-Butylbenzene	12.290	91	720311	11.012	ppbv	98
71) 2-Chlorotoluene	10.911	91	510985	10.599	ppbv	98
72) 4-Ethyltoluene	11.134	105	555877	10.794	ppbv	98
73) 1,3,5-Trimethylbenzene	11.212	105	462968	10.571	ppbv	98
74) 1,2,4-Trimethylbenzene	11.545	105	517749	10.770	ppbv	98
75) 1,3-Dichlorobenzene	11.616	146	293988	10.758	ppbv	99
76) 1,4-Dichlorobenzene	11.681	146	290294	10.504	ppbv	98
77) 1,2-Dichlorobenzene	11.956	146	285558	10.671	ppbv	98
78) Hexachloro-1,3-Butadiene	13.889	225	175105	7.984	ppbv	98
79) Naphthalene	13.520	128	444012	10.188	ppbv	98
80) Naphthalene,2-methyl-	14.465	142	141188	8.670	ppbv	98
81) 1,2,4-Trichlorobenzene	13.448	180	216348	9.877	ppbv	99

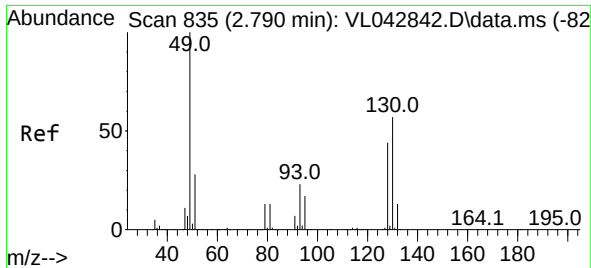
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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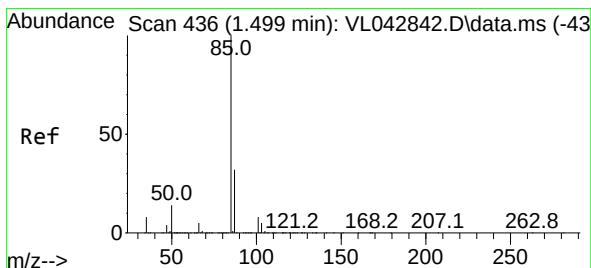
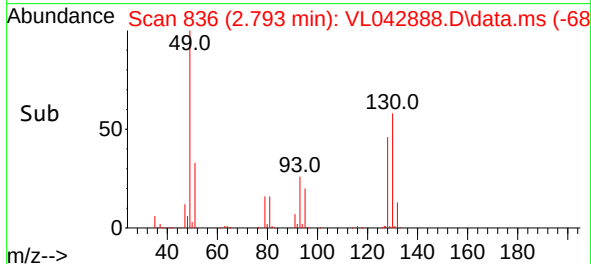
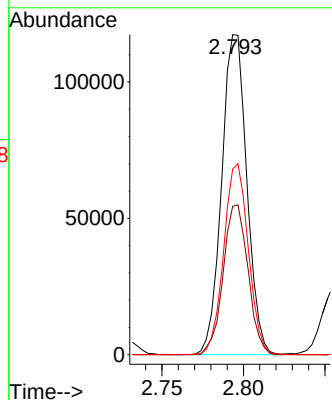
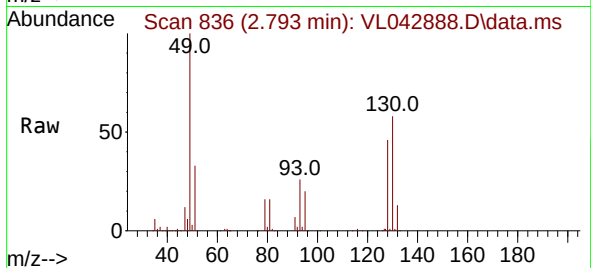




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.793 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL042888.D
Acq: 04 Sep 2025 12:21

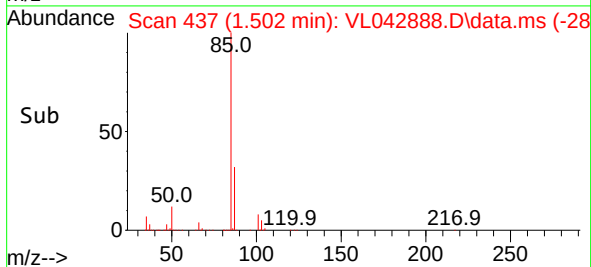
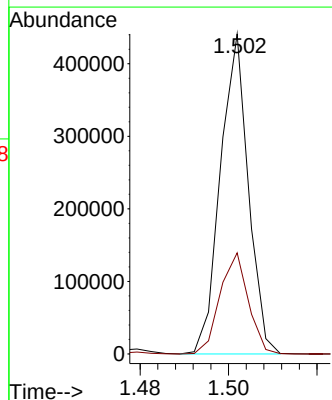
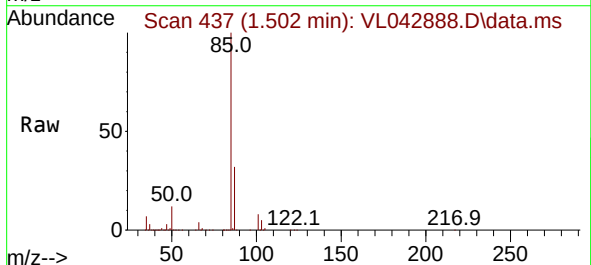
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MSVOA_L
ClientSampleId :

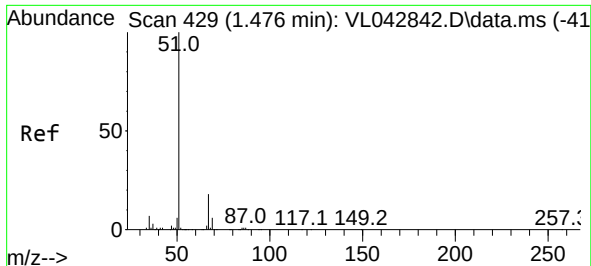
Tgt Ion: 49 Resp: 126170
Ion Ratio Lower Upper
49 100
128 46.1 23.7 71.1
130 58.3 30.6 91.6



#2
Dichlorodifluoromethane
Concen: 10.455 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.003 min
Lab File: VL042888.D
Acq: 04 Sep 2025 12:21

Tgt Ion: 85 Resp: 193328
Ion Ratio Lower Upper
85 100
87 31.6 25.3 37.9

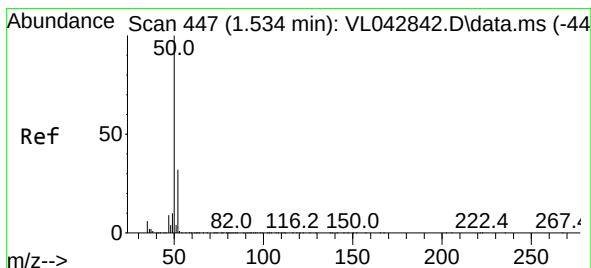
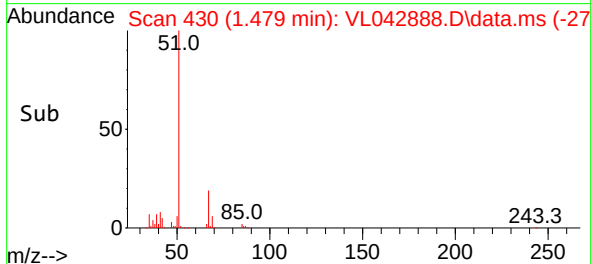
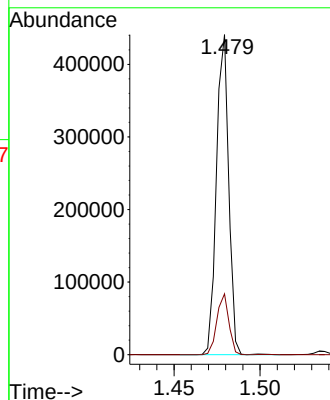
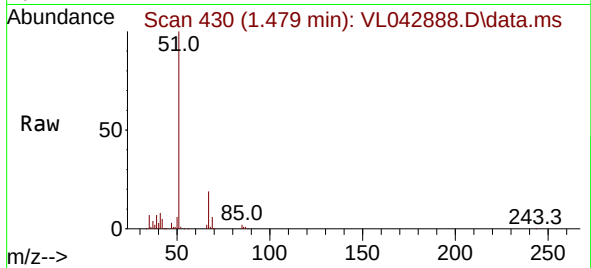




#3
Chlorodifluoromethane
Concen: 10.641 ppbv
RT: 1.479 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL042888.D
Acq: 04 Sep 2025 12:21

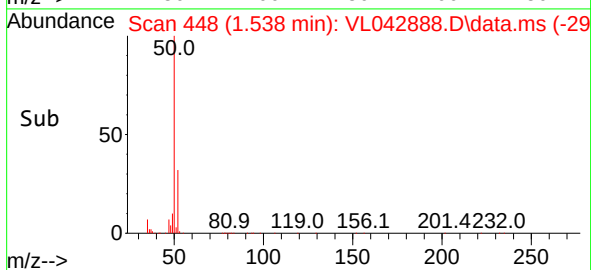
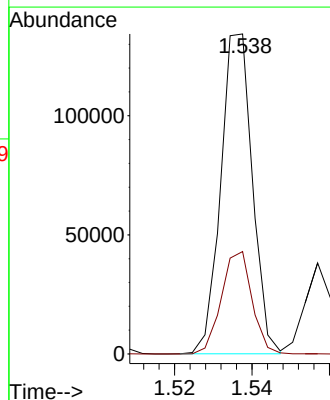
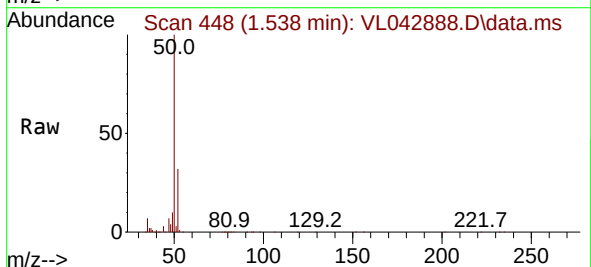
Instrument :
MSVOA_L
ClientSampleId :

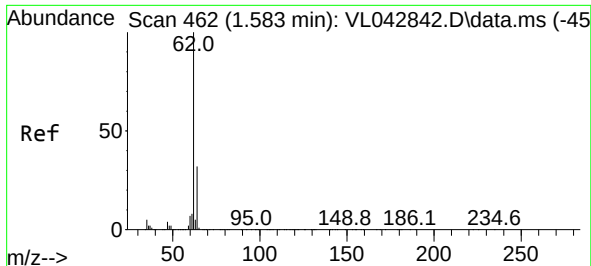
Tgt Ion: 51 Resp: 217495
Ion Ratio Lower Upper
51 100
67 18.7 14.9 22.3



#4
Chloromethane
Concen: 10.223 ppbv
RT: 1.538 min Scan# 448
Delta R.T. 0.003 min
Lab File: VL042888.D
Acq: 04 Sep 2025 12:21

Tgt Ion: 50 Resp: 76287
Ion Ratio Lower Upper
50 100
52 32.0 25.9 38.9

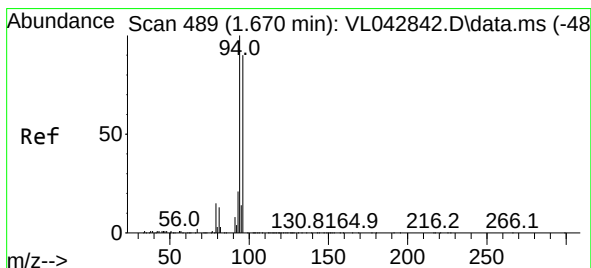
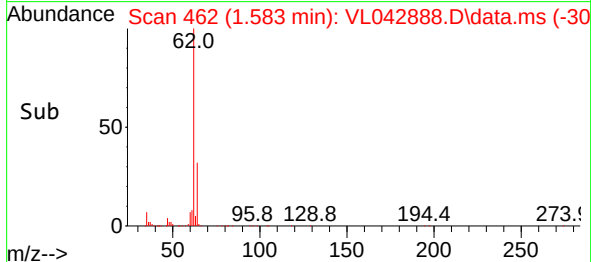
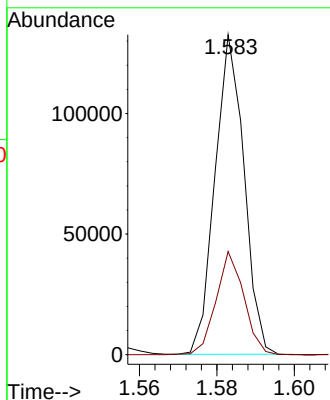
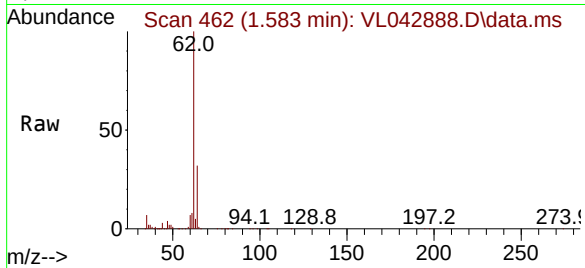




#5
 Vinyl Chloride
 Concen: 9.372 ppbv
 RT: 1.583 min Scan# 462
 Delta R.T. -0.000 min
 Lab File: VL042888.D
 Acq: 04 Sep 2025 12:21

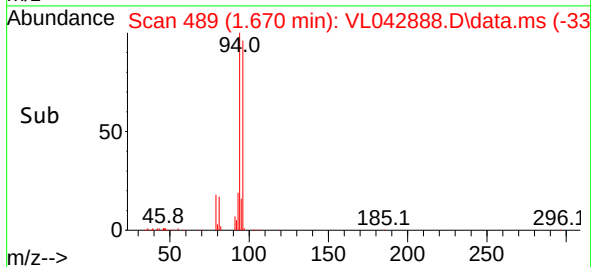
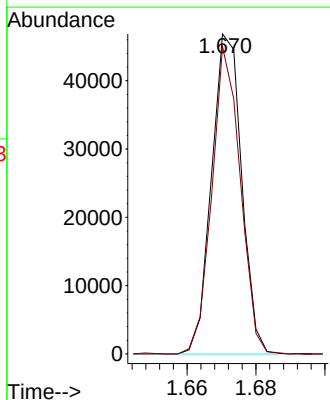
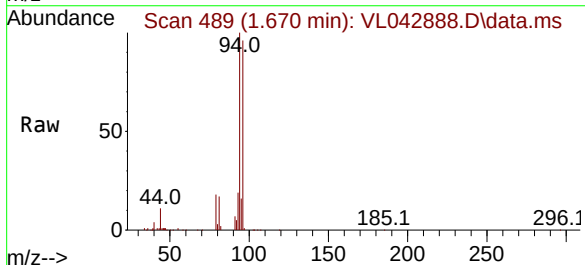
Instrument :
 MSVOA_L
 ClientSampleId :

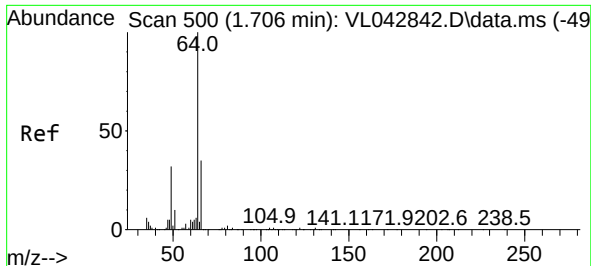
Tgt Ion: 62 Resp: 68873
 Ion Ratio Lower Upper
 62 100
 64 32.2 25.4 38.2



#6
 Bromomethane
 Concen: 9.653 ppbv
 RT: 1.670 min Scan# 489
 Delta R.T. -0.000 min
 Lab File: VL042888.D
 Acq: 04 Sep 2025 12:21

Tgt Ion: 94 Resp: 28366
 Ion Ratio Lower Upper
 94 100
 96 96.0 72.1 108.1

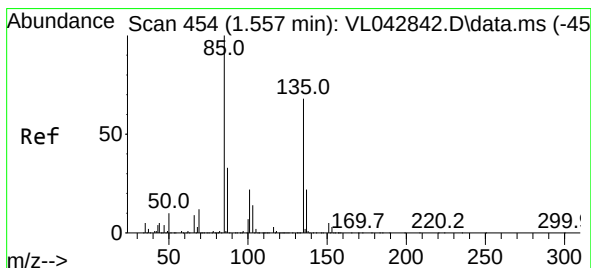
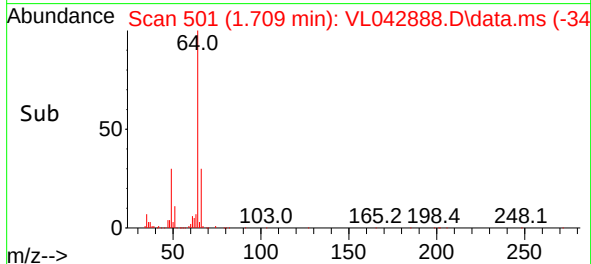
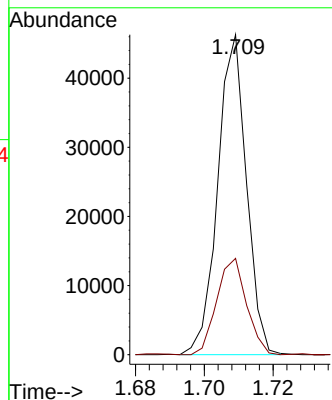
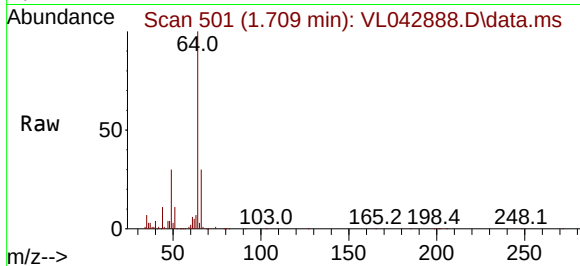




#7
Chloroethane
Concen: 9.344 ppbv
RT: 1.709 min Scan# 500
Delta R.T. 0.003 min
Lab File: VL042888.D
Acq: 04 Sep 2025 12:21

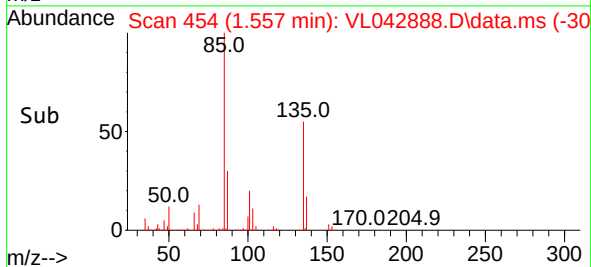
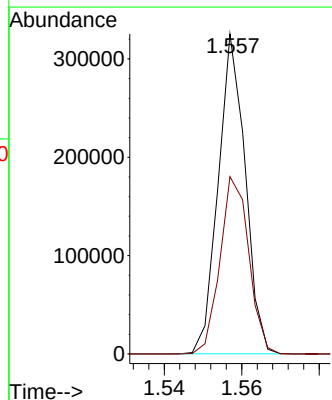
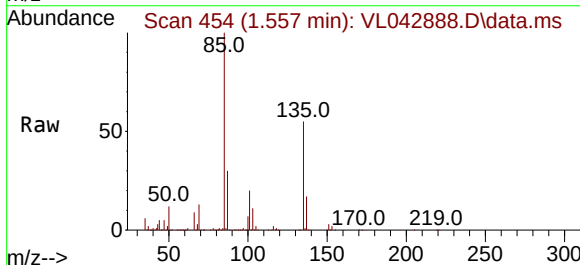
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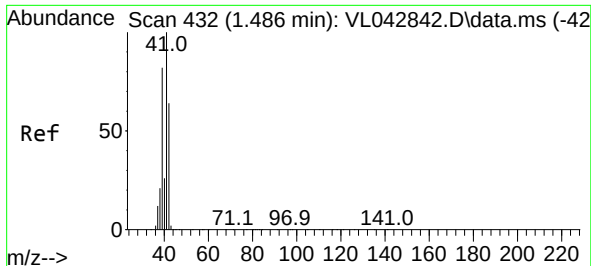
Tgt Ion: 64 Resp: 26816
Ion Ratio Lower Upper
64 100
66 30.1 28.6 42.8



#8
Dichlorotetrafluoroethane
Concen: 10.361 ppbv
RT: 1.557 min Scan# 454
Delta R.T. -0.000 min
Lab File: VL042888.D
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Tgt Ion: 85 Resp: 156776
Ion Ratio Lower Upper
85 100
135 59.3 51.2 76.8

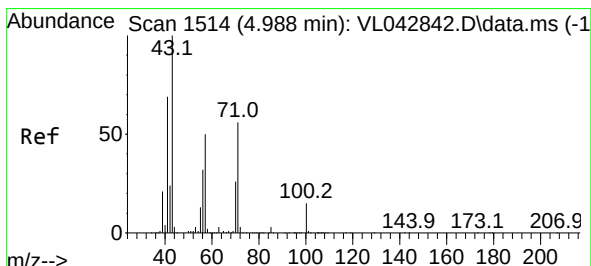
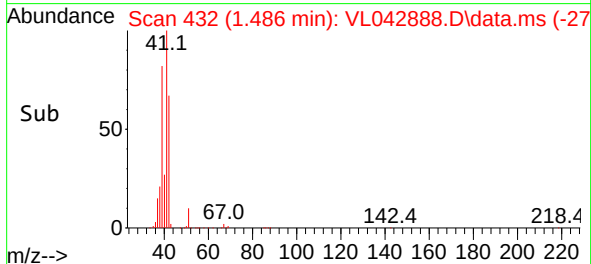
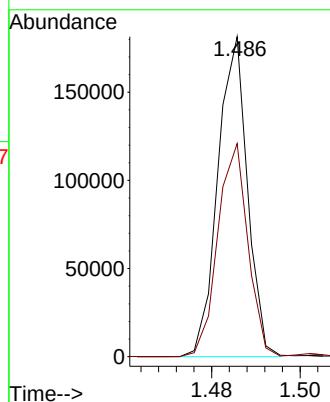
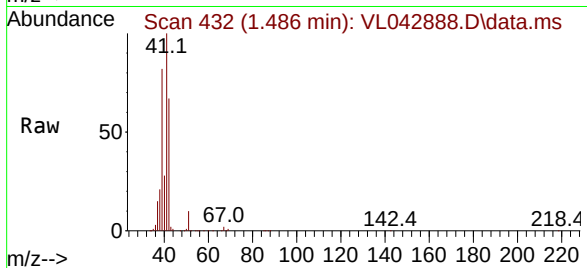




#9
Propene
Concen: 9.555 ppbv
RT: 1.486 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL042888.D
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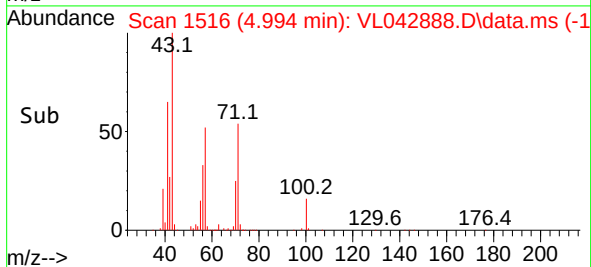
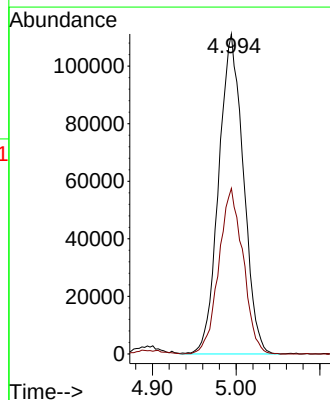
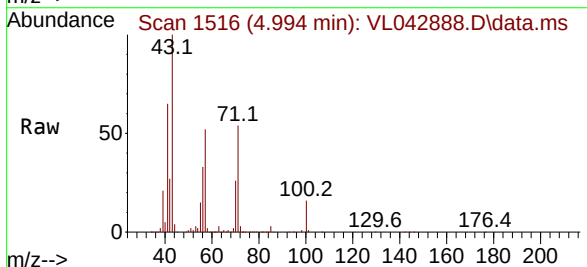
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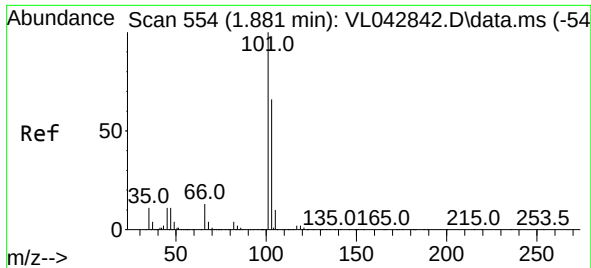
Tgt Ion: 41 Resp: 84339
Ion Ratio Lower Upper
41 100
42 68.8 53.0 79.4



#10
Heptane
Concen: 9.609 ppbv
RT: 4.994 min Scan# 1516
Delta R.T. 0.006 min
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Tgt Ion: 43 Resp: 227172
Ion Ratio Lower Upper
43 100
57 51.0 41.4 62.0

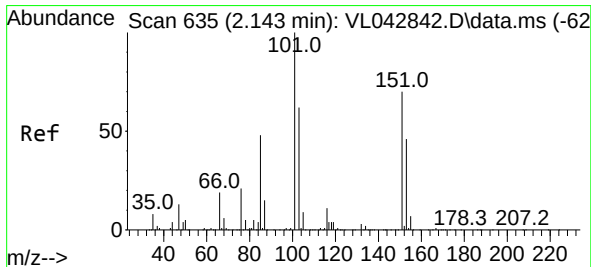
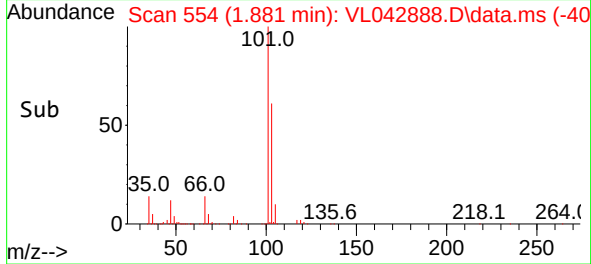
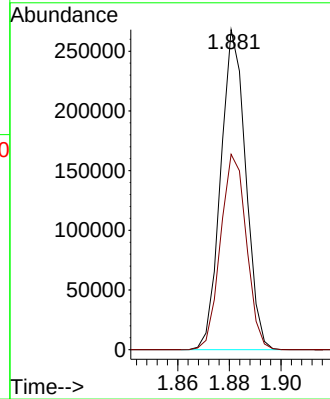
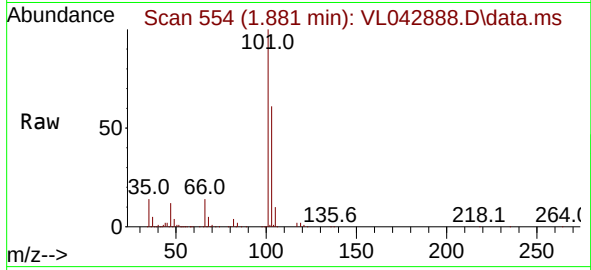




#11
 Trichlorofluoromethane
 Concen: 9.885 ppbv
 RT: 1.881 min Scan# 511
 Delta R.T. -0.000 min
 Lab File: VL042888.D
 Acq: 04 Sep 2025 12:21

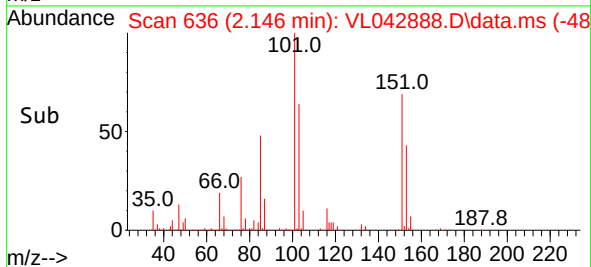
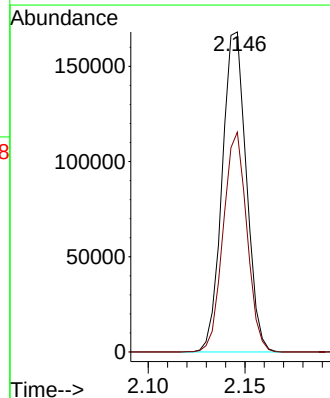
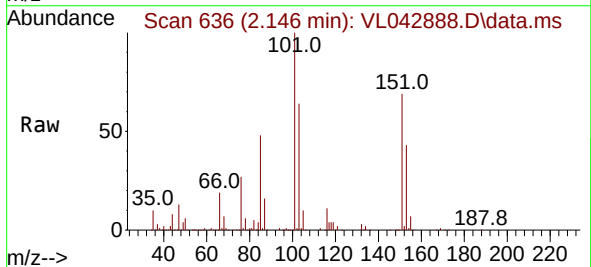
Instrument :
 MSVOA_L
 ClientSampleId :

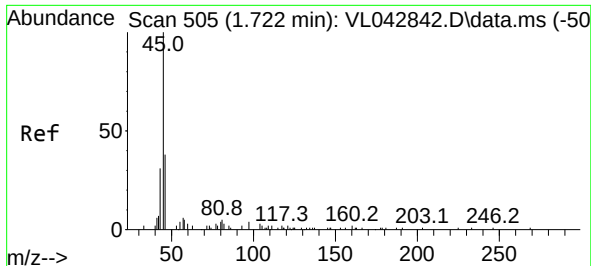
Tgt Ion:101 Resp: 180337
 Ion Ratio Lower Upper
 101 100
 103 61.1 52.5 78.7



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.020 ppbv
 RT: 2.146 min Scan# 636
 Delta R.T. 0.003 min
 Lab File: VL042888.D
 Acq: 04 Sep 2025 12:21

Tgt Ion:101 Resp: 145704
 Ion Ratio Lower Upper
 101 100
 151 67.3 56.4 84.6

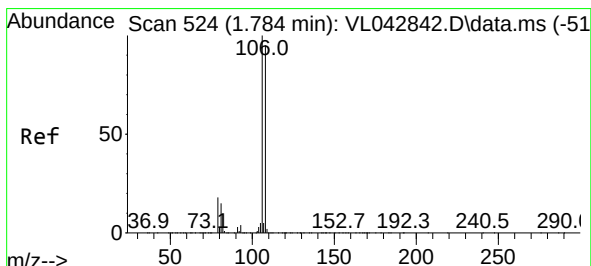
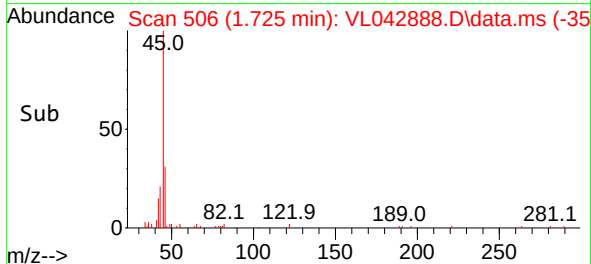
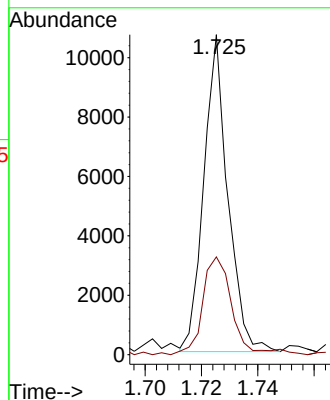
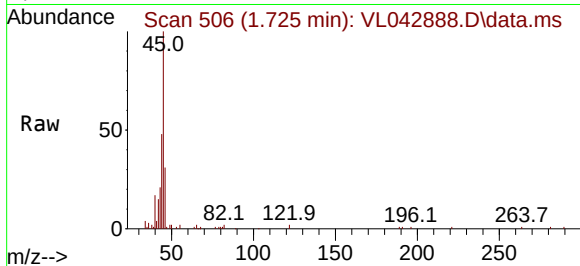




#13
 Ethanol
 Concen: 7.829 ppbv
 RT: 1.725 min Scan# 505
 Delta R.T. 0.003 min
 Lab File: VL042888.D
 Acq: 04 Sep 2025 12:21

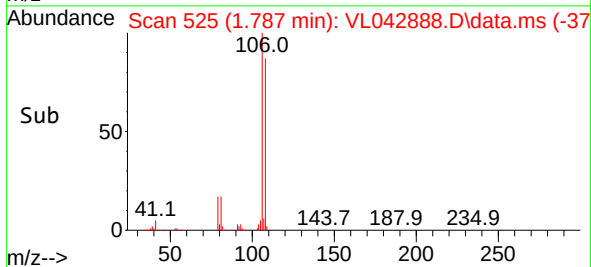
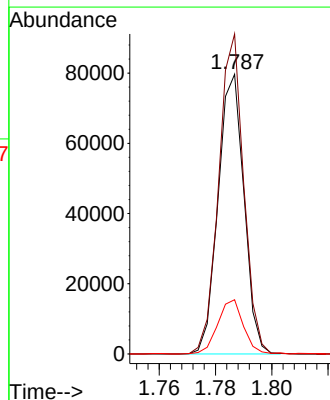
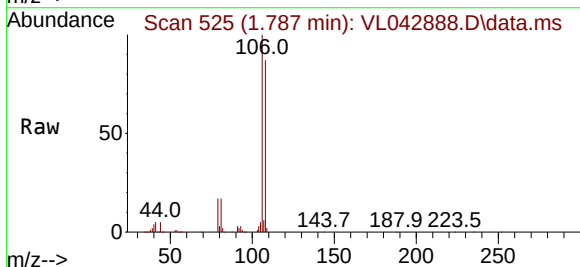
Instrument :
 MSVOA_L
 ClientSampleId :

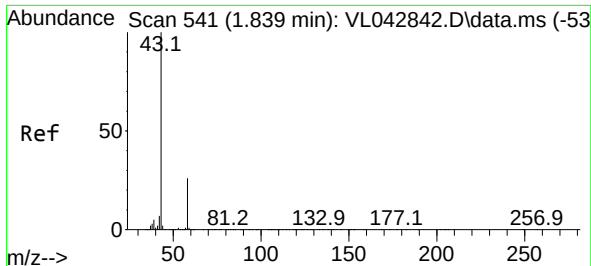
Tgt Ion: 45 Resp: 6319
 Ion Ratio Lower Upper
 45 100
 46 38.6 17.5 69.9



#14
 Bromoethene
 Concen: 9.661 ppbv
 RT: 1.787 min Scan# 525
 Delta R.T. 0.003 min
 Lab File: VL042888.D
 Acq: 04 Sep 2025 12:21

Tgt Ion: 108 Resp: 50855
 Ion Ratio Lower Upper
 108 100
 106 110.1 85.1 127.7
 79 19.6 16.3 24.5

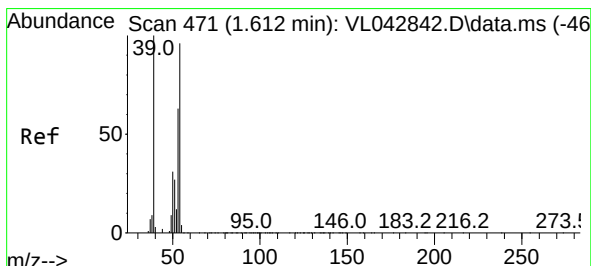
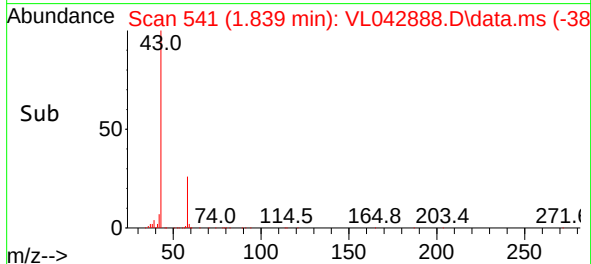
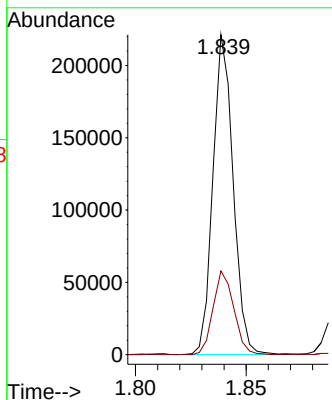
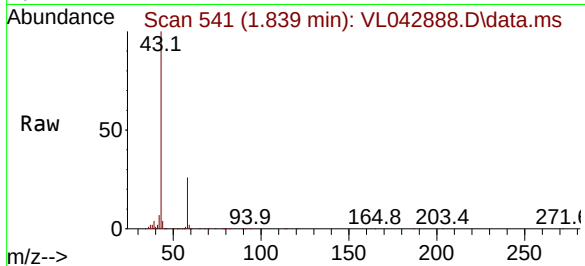




#15
Acetone
Concen: 8.422 ppbv
RT: 1.839 min Scan# 541
Delta R.T. -0.000 min
Lab File: VL042888.D
Acq: 04 Sep 2025 12:21

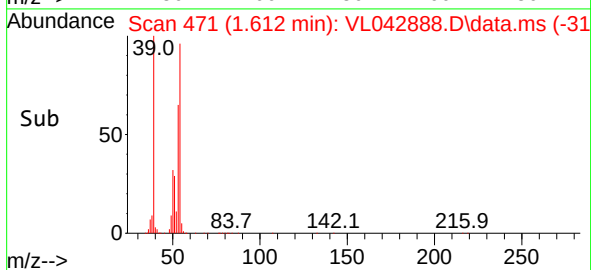
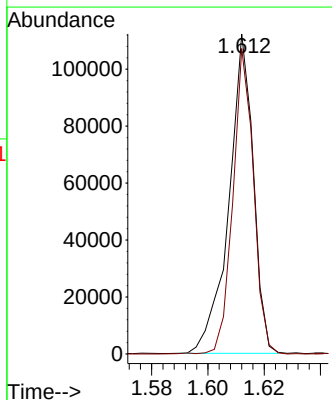
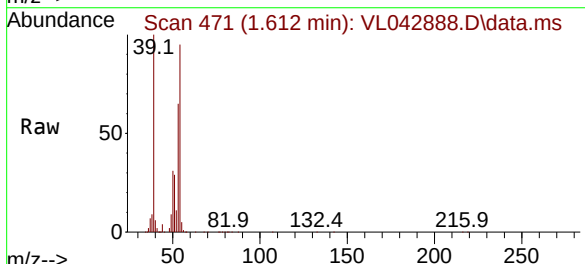
Instrument :
MSVOA_L
ClientSampleId :

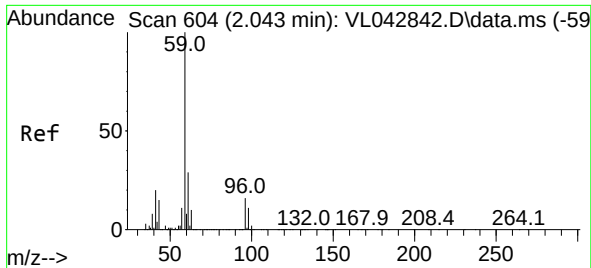
Tgt Ion: 43 Resp: 140571
Ion Ratio Lower Upper
43 100
58 27.1 22.4 33.6



#16
1,3-Butadiene
Concen: 8.917 ppbv
RT: 1.612 min Scan# 471
Delta R.T. -0.000 min
Lab File: VL042888.D
Acq: 04 Sep 2025 12:21

Tgt Ion: 39 Resp: 67467
Ion Ratio Lower Upper
39 100
54 80.9 63.6 95.4





#17

tert-Butyl alcohol

Concen: 8.699 ppbv

RT: 2.046 min Scan# 604

Delta R.T. 0.003 min

Lab File: VL042888.D

Acq: 04 Sep 2025 12:21

Instrument :

MSVOA_L

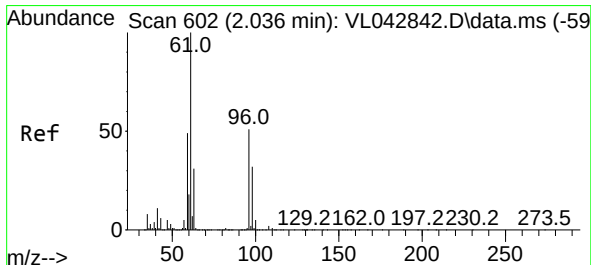
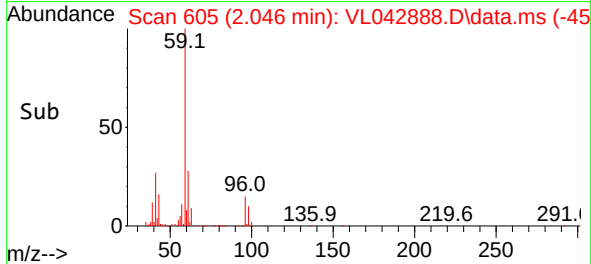
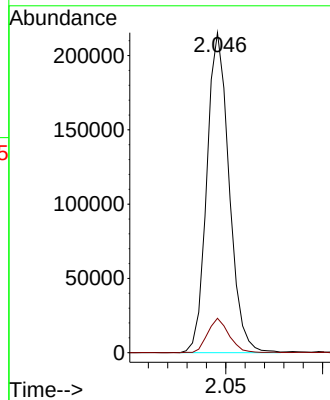
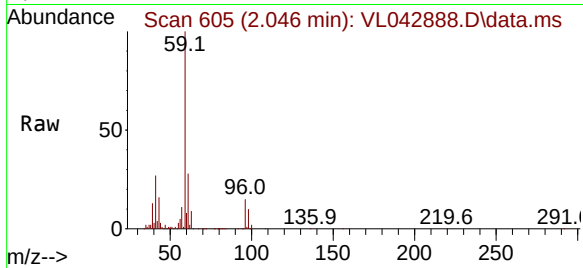
ClientSampleId :

Tgt Ion: 59 Resp: 172174

Ion Ratio Lower Upper

59 100

57 10.5 9.0 13.4



#18

1,1-Dichloroethene

Concen: 10.053 ppbv

RT: 2.039 min Scan# 603

Delta R.T. 0.003 min

Lab File: VL042888.D

Acq: 04 Sep 2025 12:21

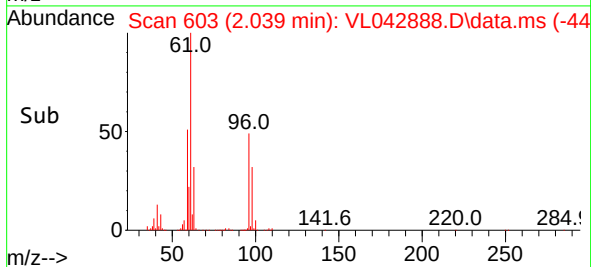
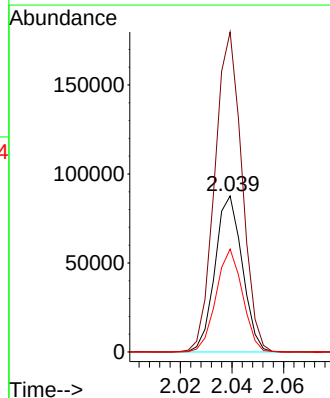
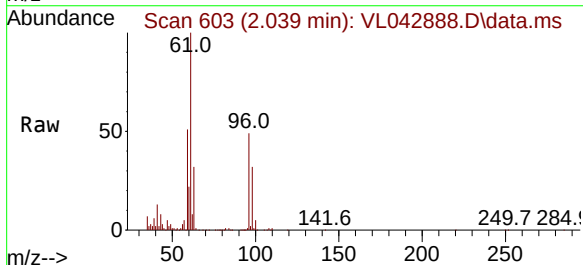
Tgt Ion: 96 Resp: 64265

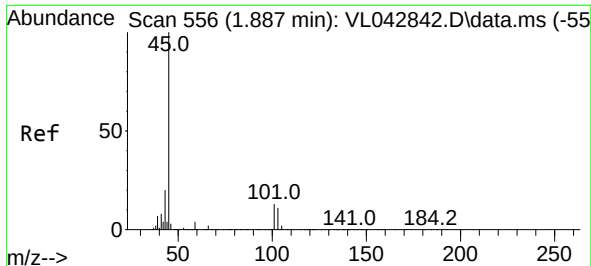
Ion Ratio Lower Upper

96 100

61 204.9 158.2 237.4

98 65.9 50.6 76.0

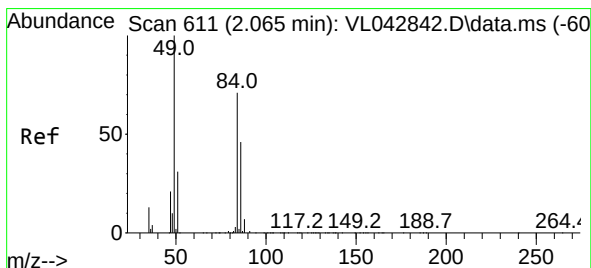
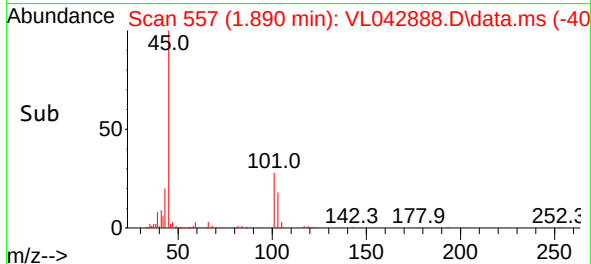
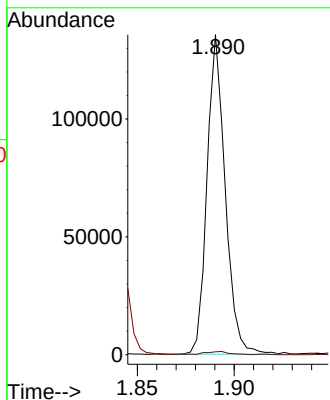
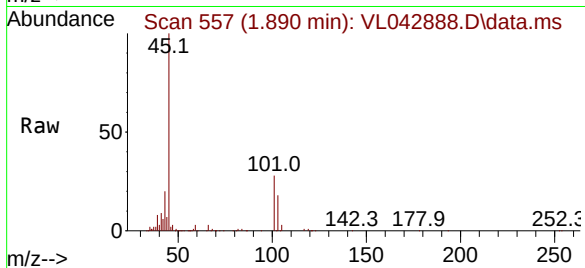




#19
Isopropyl Alcohol
Concen: 8.897 ppbv
RT: 1.890 min Scan# 556
Delta R.T. 0.003 min
Lab File: VL042888.D
Acq: 04 Sep 2025 12:21

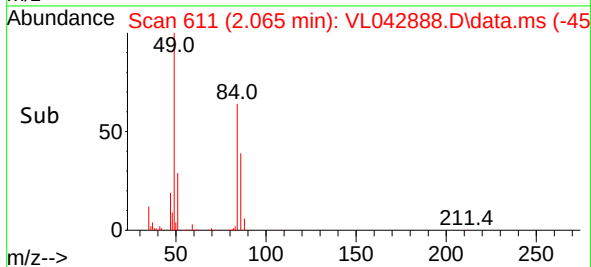
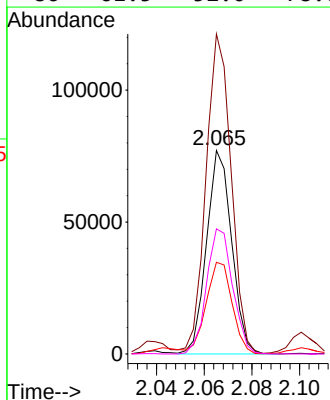
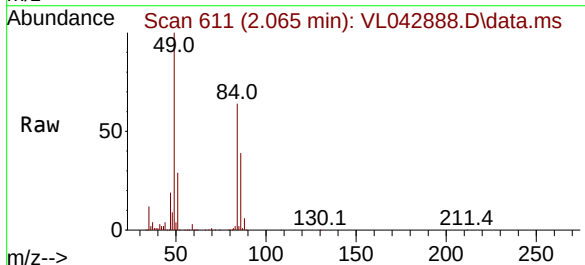
Instrument :
MSVOA_L
ClientSampleId :

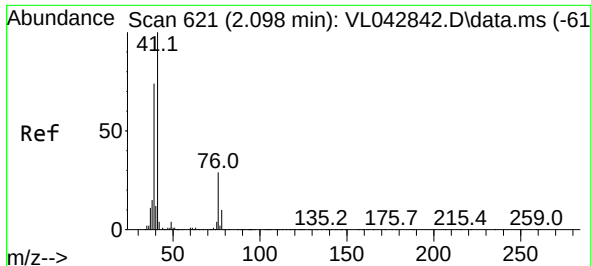
Tgt Ion: 45 Resp: 88687
Ion Ratio Lower Upper
45 100
58 42.9 32.7 49.1



#20
Methylene Chloride
Concen: 8.079 ppbv
RT: 2.065 min Scan# 611
Delta R.T. -0.000 min
Lab File: VL042888.D
Acq: 04 Sep 2025 12:21

Tgt Ion: 84 Resp: 56482
Ion Ratio Lower Upper
84 100
49 155.8 112.3 168.5
51 44.5 36.0 54.0
86 61.5 52.0 78.0

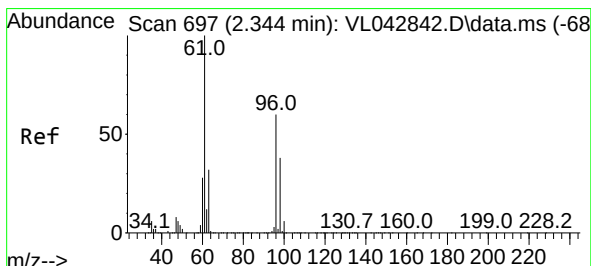
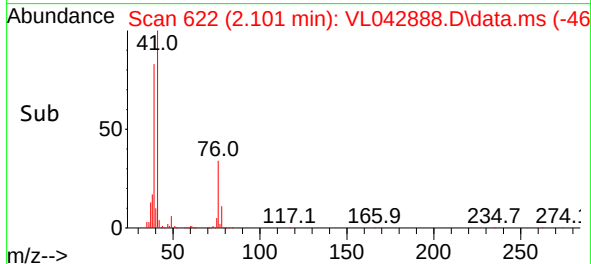
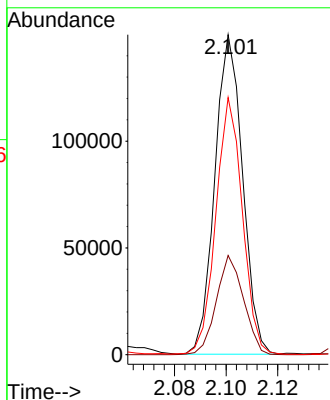
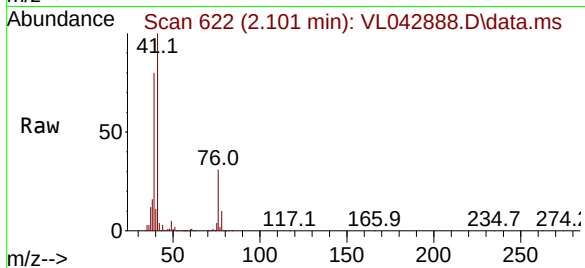




#21
 Allyl Chloride
 Concen: 9.478 ppbv
 RT: 2.101 min Scan# 61
 Delta R.T. 0.003 min
 Lab File: VL042888.D
 Acq: 04 Sep 2025 12:21

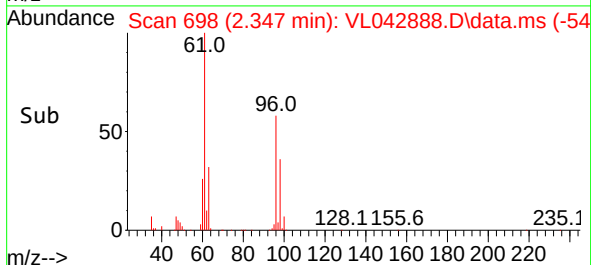
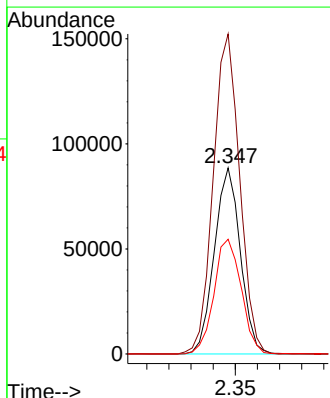
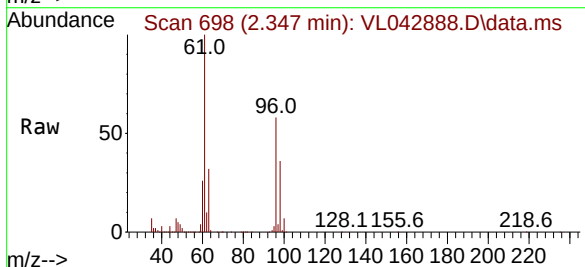
Instrument :
 MSVOA_L
 ClientSampleId :

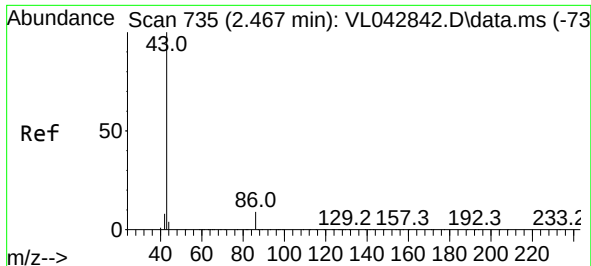
Tgt Ion: 41 Resp: 111750
 Ion Ratio Lower Upper
 41 100
 76 30.4 23.9 35.9
 39 76.4 57.8 86.6



#22
 trans-1,2-Dichloroethene
 Concen: 9.778 ppbv
 RT: 2.347 min Scan# 698
 Delta R.T. 0.003 min
 Lab File: VL042888.D
 Acq: 04 Sep 2025 12:21

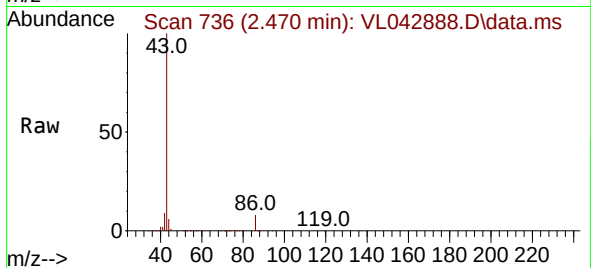
Tgt Ion: 96 Resp: 72316
 Ion Ratio Lower Upper
 96 100
 61 171.9 132.6 199.0
 98 61.6 50.0 75.0



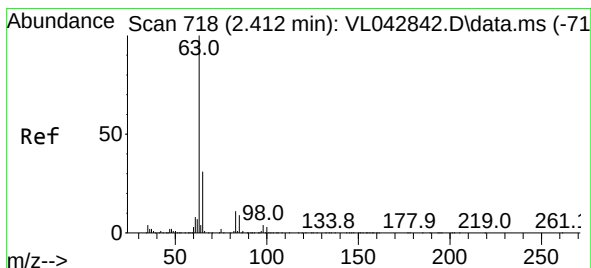
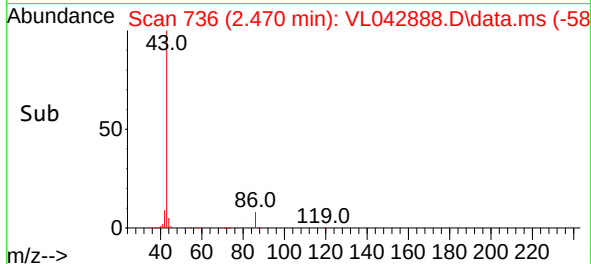
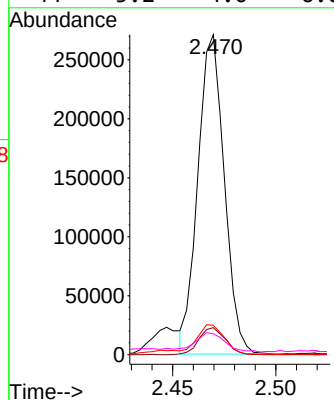


#23
 Vinyl Acetate
 Concen: 10.491 ppbv
 RT: 2.470 min Scan# 719
 Delta R.T. 0.003 min
 Lab File: VL042888.D
 Acq: 04 Sep 2025 12:21

Instrument :
 MSVOA_L
 ClientSampleId :

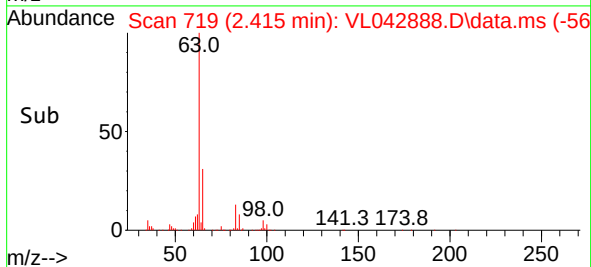
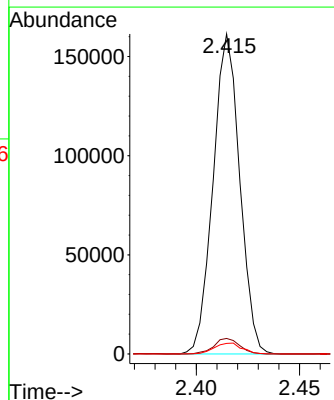
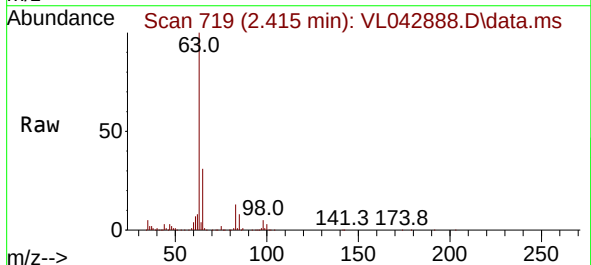


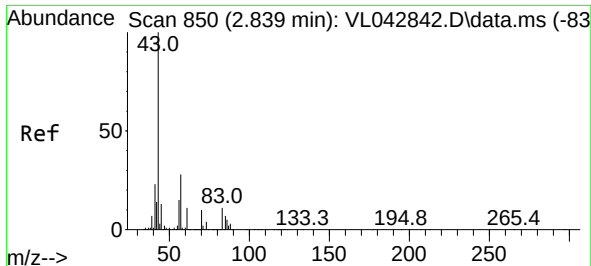
Tgt Ion:	43	Resp:	240753
Ion	Ratio	Lower	Upper
43	100		
86	8.5	6.6	9.8
42	9.2	7.0	10.6
44	5.2	4.0	6.0



#24
 1,1-Dichloroethane
 Concen: 9.803 ppbv
 RT: 2.415 min Scan# 719
 Delta R.T. 0.003 min
 Lab File: VL042888.D
 Acq: 04 Sep 2025 12:21

Tgt Ion:	63	Resp:	144798
Ion	Ratio	Lower	Upper
63	100		
98	4.8	2.1	6.5
100	3.3	1.7	5.1

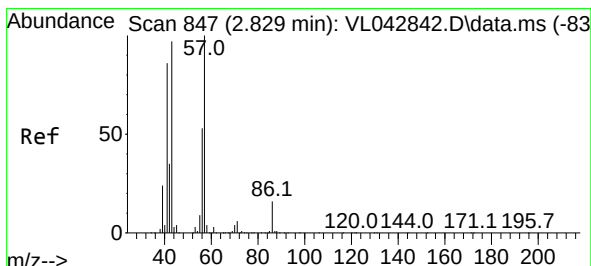
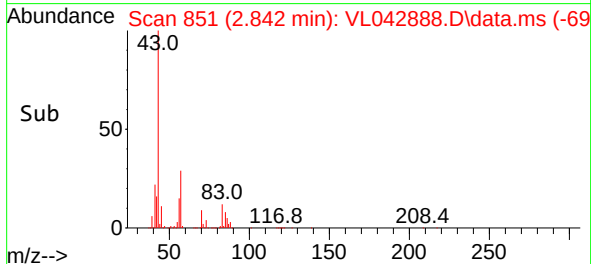
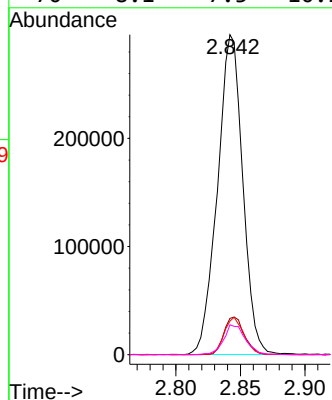
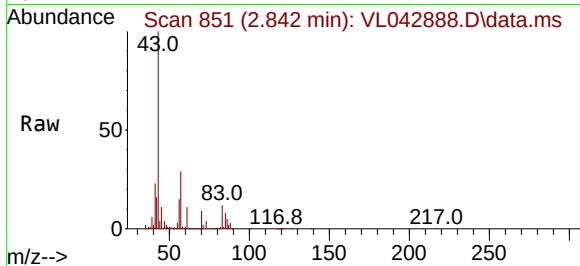




#25
Ethyl Acetate
Concen: 9.967 ppbv
RT: 2.842 min Scan# 847
Delta R.T. 0.003 min
Lab File: VL042888.D
Acq: 04 Sep 2025 12:21

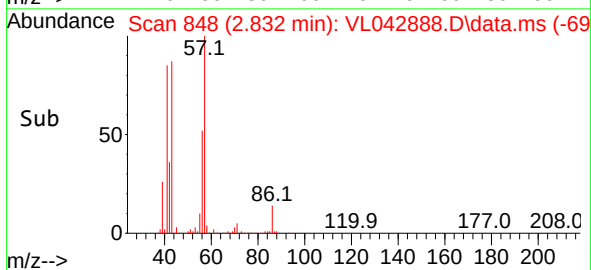
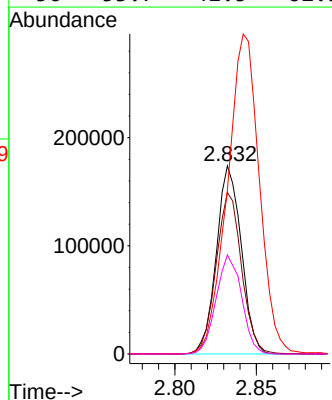
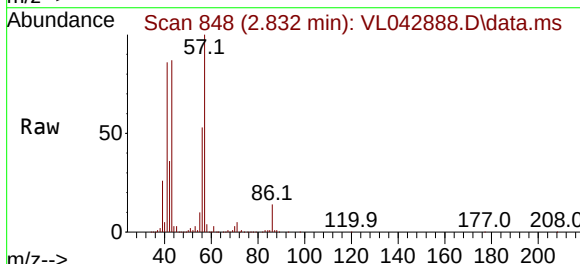
Instrument :
MSVOA_L
ClientSampleId :

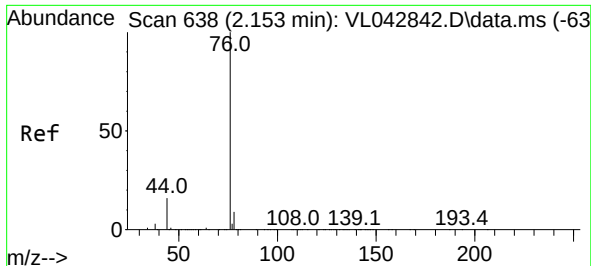
Tgt Ion: 43	Resp: 402614
Ion Ratio	Lower Upper
43 100	
45 9.7	8.1 12.1
61 9.1	7.4 11.2
70 8.1	7.3 10.9



#26
Hexane
Concen: 9.905 ppbv
RT: 2.832 min Scan# 848
Delta R.T. 0.003 min
Lab File: VL042888.D
Acq: 04 Sep 2025 12:21

Tgt Ion: 57	Resp: 184675
Ion Ratio	Lower Upper
57 100	
41 88.3	68.6 103.0
43 218.3	168.5 252.7
56 53.7	41.5 62.3





#27

Carbon Disulfide

Concen: 10.273 ppbv

RT: 2.156 min Scan# 61

Delta R.T. 0.003 min

Lab File: VL042888.D

Acq: 04 Sep 2025 12:21

Instrument :

MSVOA_L

ClientSampleId :

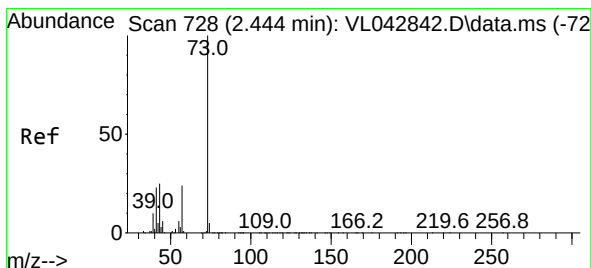
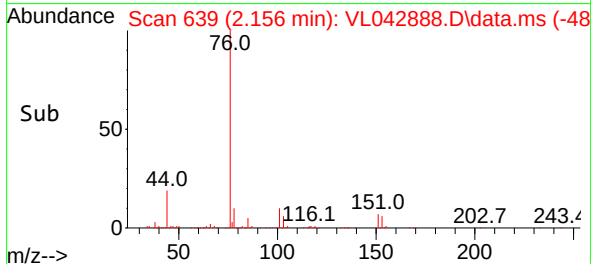
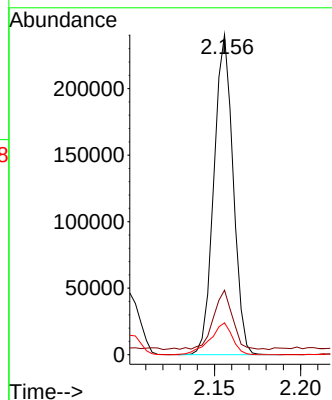
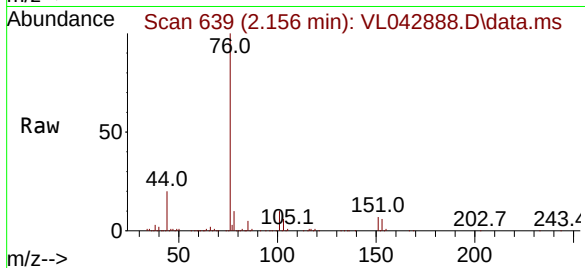
Tgt Ion: 76 Resp: 186403

Ion Ratio Lower Upper

76 100

44 18.7 15.9 23.9

78 11.6 9.5 14.3



#28

Methyl tert-Butyl Ether

Concen: 9.494 ppbv

RT: 2.447 min Scan# 729

Delta R.T. 0.003 min

Lab File: VL042888.D

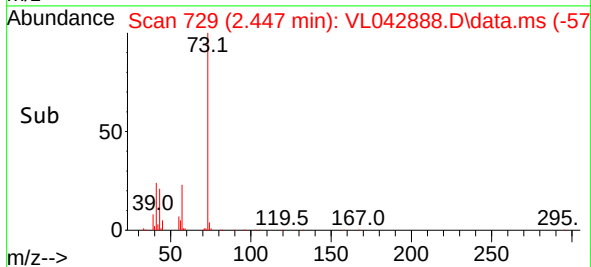
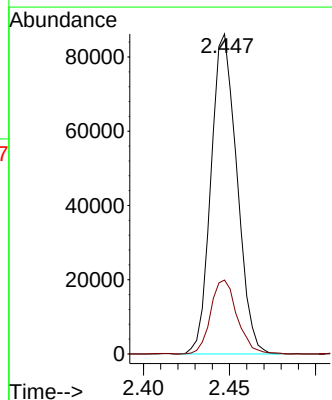
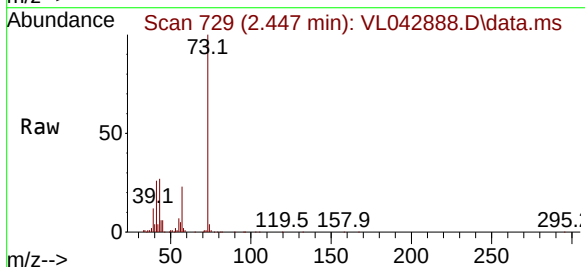
Acq: 04 Sep 2025 12:21

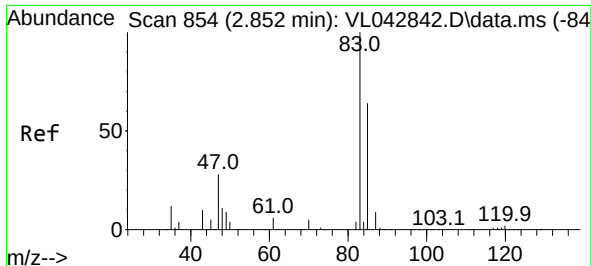
Tgt Ion: 73 Resp: 90259

Ion Ratio Lower Upper

73 100

57 23.7 21.6 32.4





#29

Chloroform

Concen: 10.533 ppbv

RT: 2.855 min Scan# 81

Delta R.T. 0.003 min

Lab File: VL042888.D

Acq: 04 Sep 2025 12:21

Instrument :

MSVOA_L

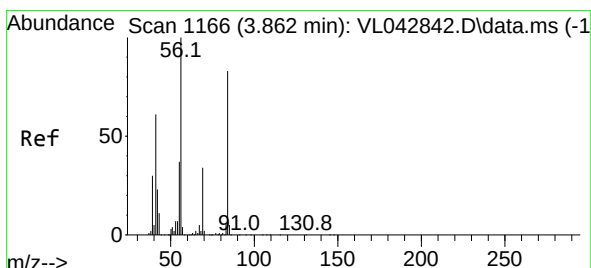
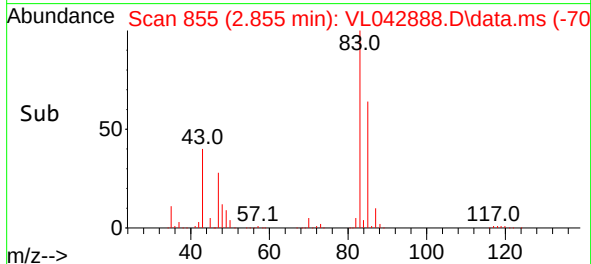
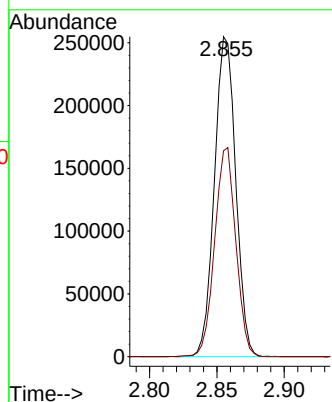
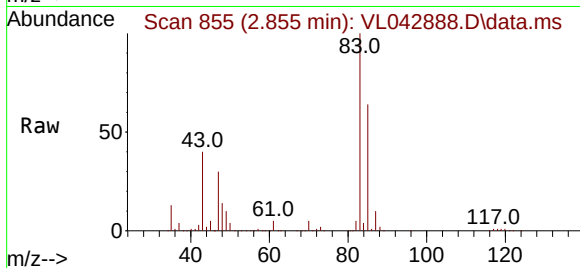
ClientSampleId :

Tgt Ion: 83 Resp: 280390

Ion Ratio Lower Upper

83 100

85 64.3 51.1 76.7



#30

Cyclohexane

Concen: 9.449 ppbv

RT: 3.868 min Scan# 1168

Delta R.T. 0.006 min

Lab File: VL042888.D

Acq: 04 Sep 2025 12:21

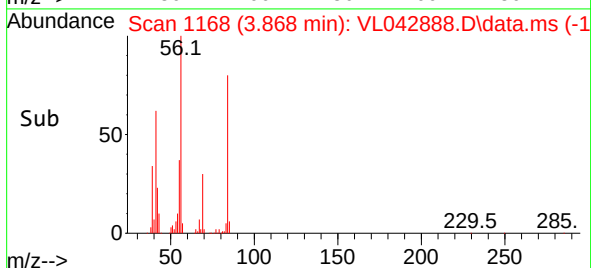
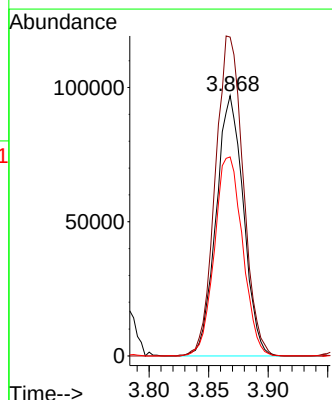
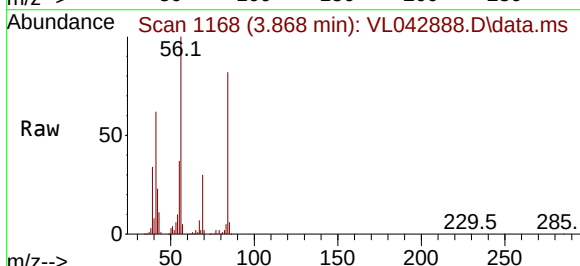
Tgt Ion: 84 Resp: 154459

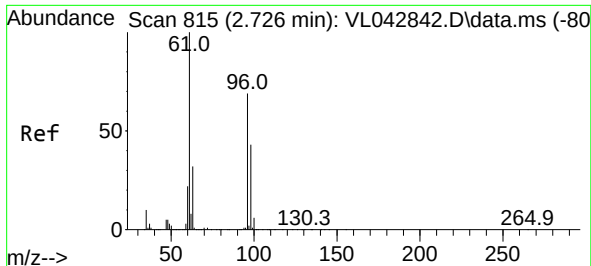
Ion Ratio Lower Upper

84 100

56 125.2 98.8 148.2

41 79.0 61.3 91.9

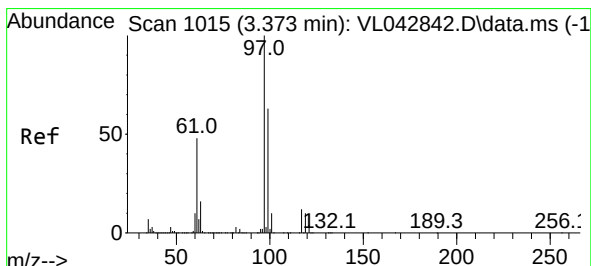
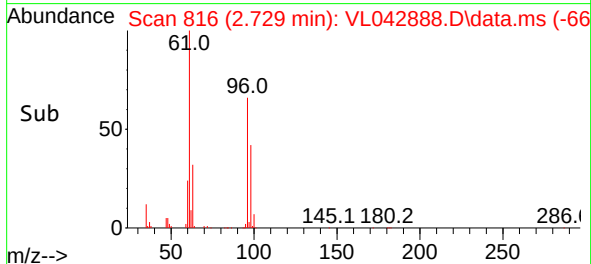
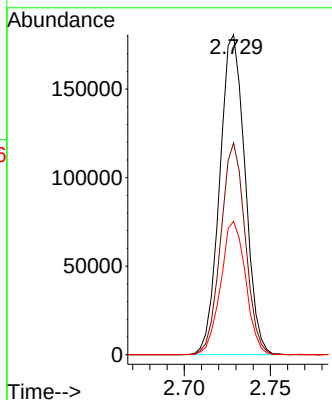
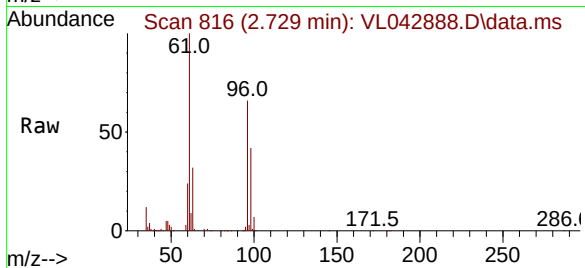




#31
 cis-1,2-Dichloroethene
 Concen: 9.950 ppbv
 RT: 2.729 min Scan# 815
 Delta R.T. 0.003 min
 Lab File: VL042888.D
 Acq: 04 Sep 2025 12:21

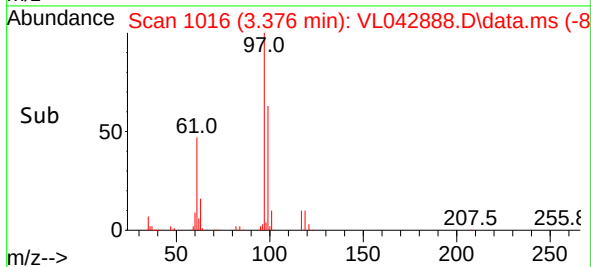
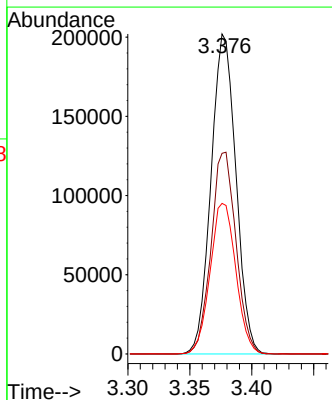
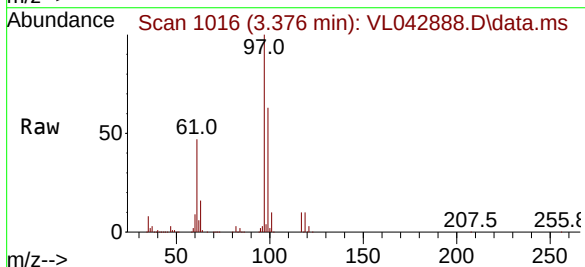
Instrument :
 MSVOA_L
 ClientSampleId :

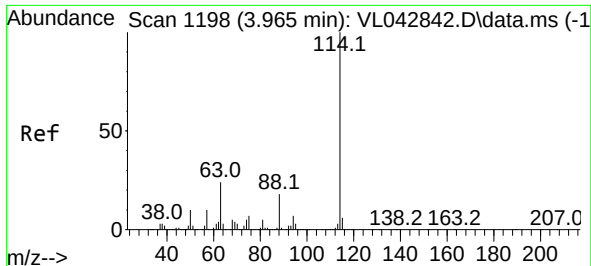
Tgt Ion: 61 Resp: 185311
 Ion Ratio Lower Upper
 61 100
 96 66.2 55.0 82.6
 98 41.6 34.3 51.5



#32
 1,1,1-Trichloroethane
 Concen: 10.053 ppbv
 RT: 3.376 min Scan# 1016
 Delta R.T. 0.003 min
 Lab File: VL042888.D
 Acq: 04 Sep 2025 12:21

Tgt Ion: 97 Resp: 282844
 Ion Ratio Lower Upper
 97 100
 99 63.2 51.0 76.6
 61 48.7 38.0 57.0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.968 min Scan# 1199

Delta R.T. 0.003 min

Lab File: VL042888.D

Acq: 04 Sep 2025 12:21

Instrument :

MSVOA_L

ClientSampleId :

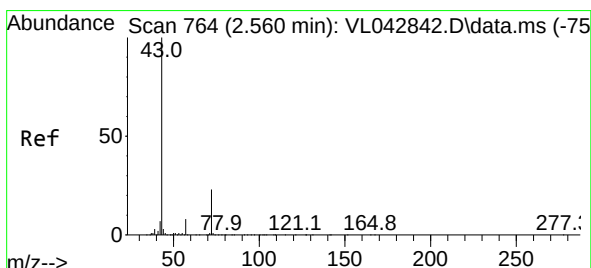
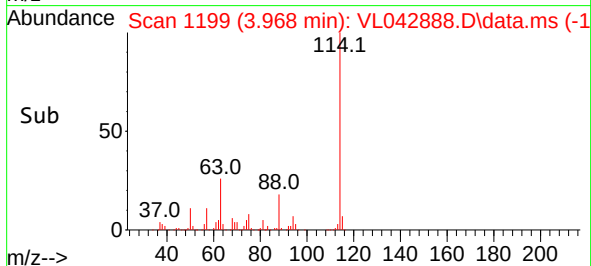
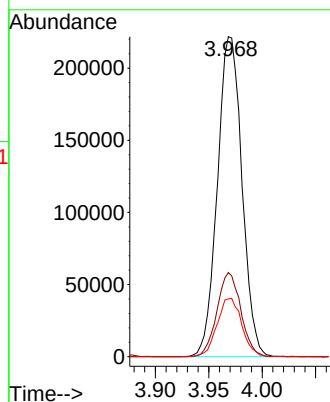
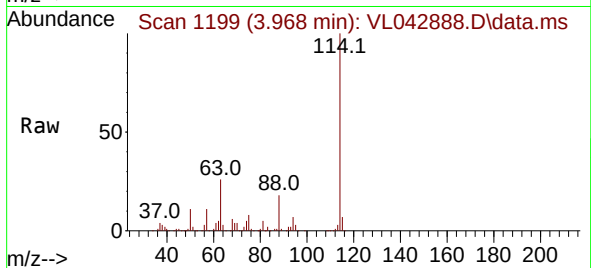
Tgt Ion:114 Resp: 354548

Ion Ratio Lower Upper

114 100

63 25.6 19.7 29.5

88 18.3 14.4 21.6



#34

2-Butanone

Concen: 11.188 ppbv

RT: 2.564 min Scan# 765

Delta R.T. 0.003 min

Lab File: VL042888.D

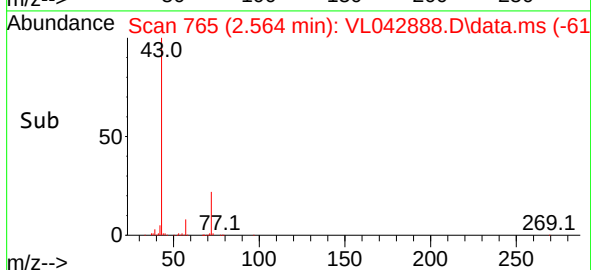
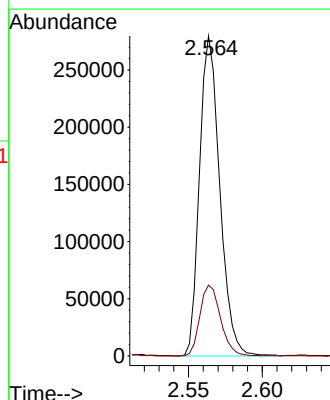
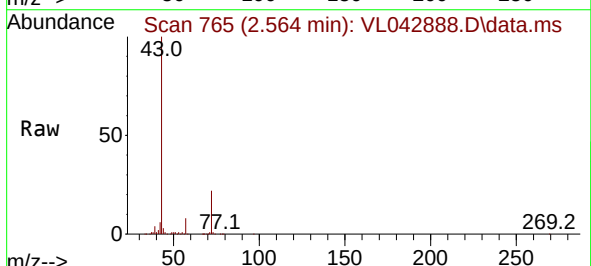
Acq: 04 Sep 2025 12:21

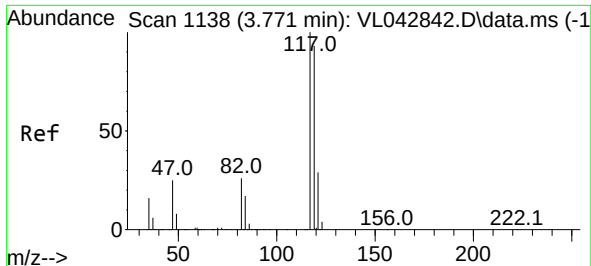
Tgt Ion: 43 Resp: 267855

Ion Ratio Lower Upper

43 100

72 22.6 18.6 28.0

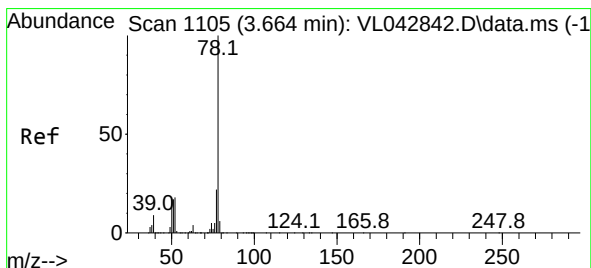
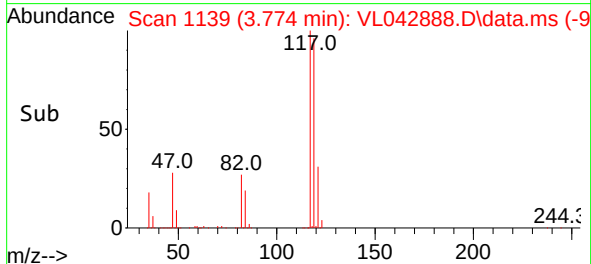
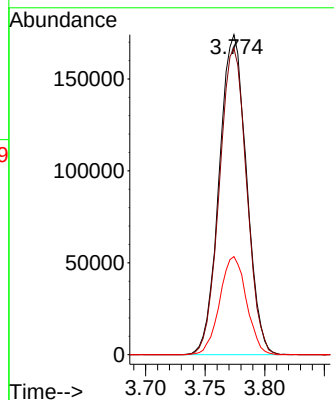
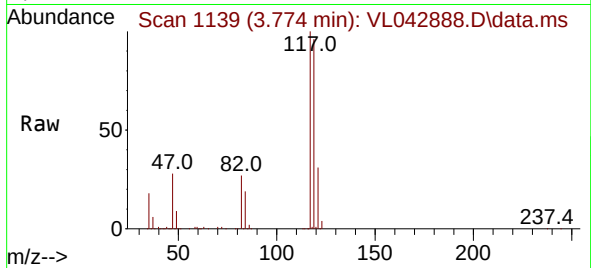




#35
Carbon Tetrachloride
Concen: 11.351 ppbv
RT: 3.774 min Scan# 1138
Delta R.T. 0.003 min
Lab File: VL042888.D
Acq: 04 Sep 2025 12:21

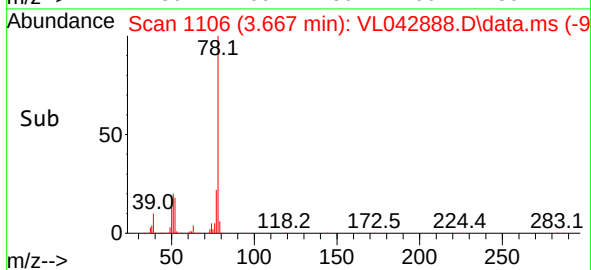
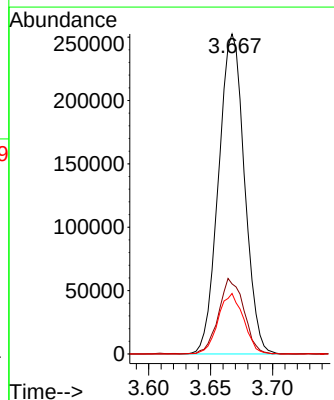
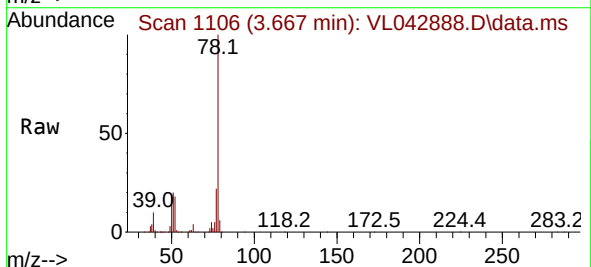
Instrument :
MSVOA_L
ClientSampleId :

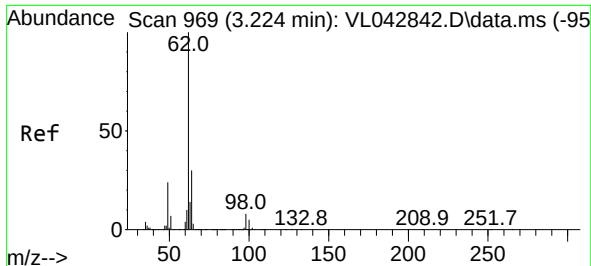
Tgt Ion:117 Resp: 277458
Ion Ratio Lower Upper
117 100
119 95.7 74.7 112.1
121 30.7 23.2 34.8



#36
Benzene
Concen: 10.849 ppbv
RT: 3.667 min Scan# 1106
Delta R.T. 0.003 min
Lab File: VL042888.D
Acq: 04 Sep 2025 12:21

Tgt Ion: 78 Resp: 368328
Ion Ratio Lower Upper
78 100
77 21.9 17.7 26.5
50 18.9 13.9 20.9





#37

1,2-Dichloroethane

Concen: 12.220 ppbv

RT: 3.227 min Scan# 91

Delta R.T. 0.003 min

Lab File: VL042888.D

Acq: 04 Sep 2025 12:21

Instrument :

MSVOA_L

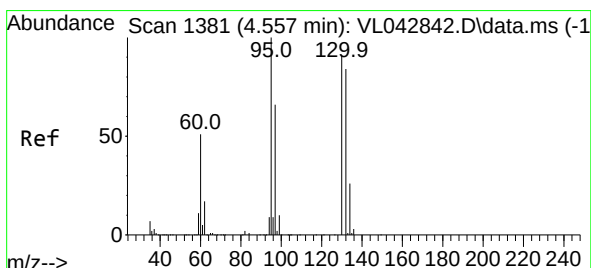
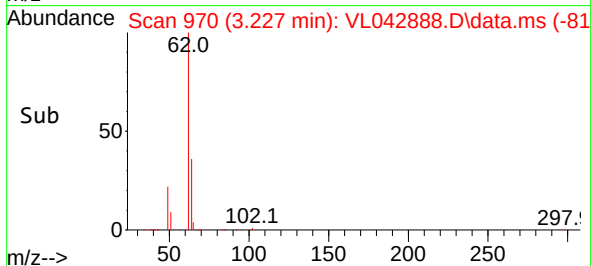
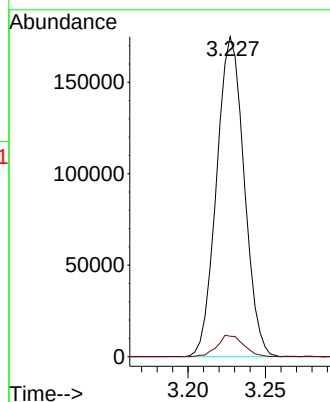
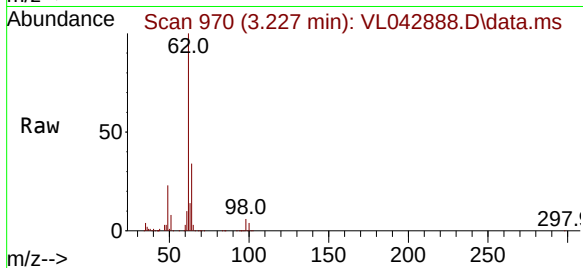
ClientSampleId :

Tgt Ion: 62 Resp: 216745

Ion Ratio Lower Upper

62 100

98 6.4 5.9 8.9



#38

Trichloroethene

Concen: 9.997 ppbv

RT: 4.561 min Scan# 1382

Delta R.T. 0.003 min

Lab File: VL042888.D

Acq: 04 Sep 2025 12:21

Tgt Ion:130 Resp: 155001

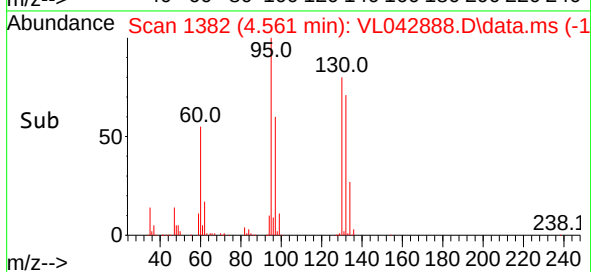
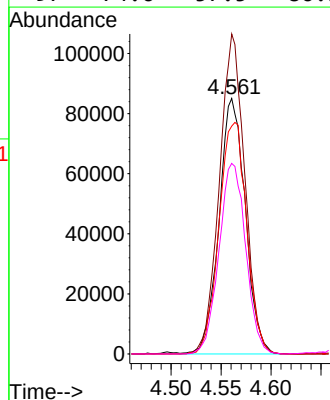
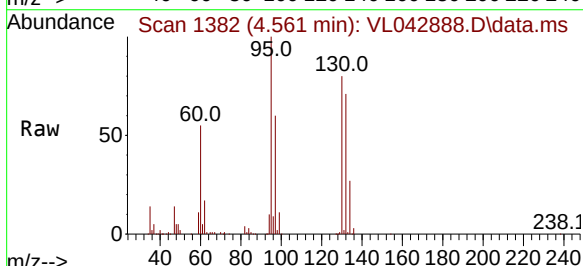
Ion Ratio Lower Upper

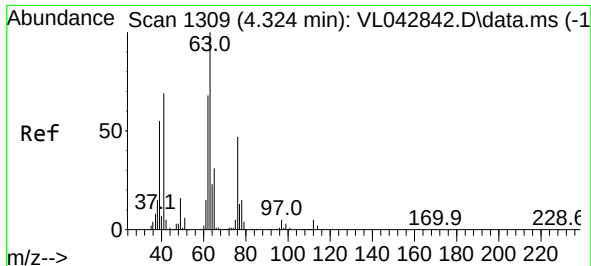
130 100

95 125.2 87.6 131.4

132 89.2 73.8 110.8

97 74.6 57.5 86.3





#39

1,2-Dichloropropane

Concen: 10.945 ppbv

RT: 4.324 min Scan# 1

Delta R.T. -0.000 min

Lab File: VL042888.D

Acq: 04 Sep 2025 12:21

Instrument :

MSVOA_L

ClientSampleId :

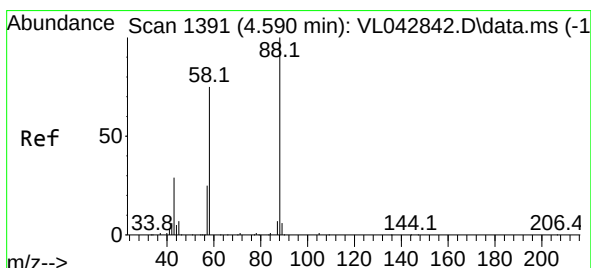
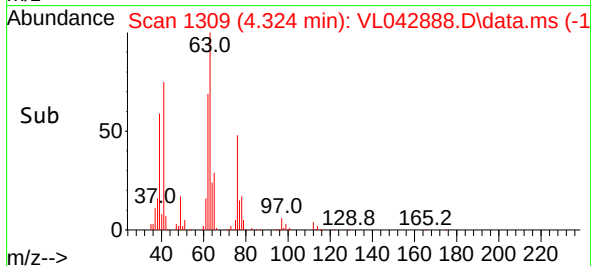
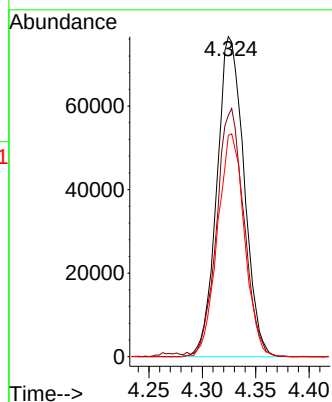
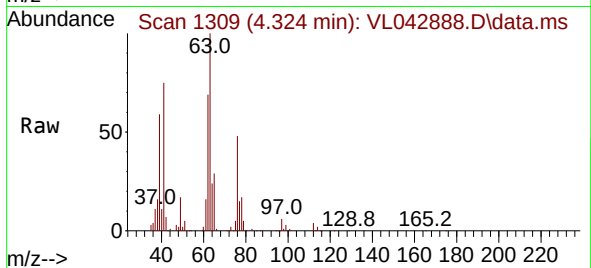
Tgt Ion: 63 Resp: 135713

Ion Ratio Lower Upper

63 100

41 75.4 55.0 82.4

62 69.2 54.4 81.6



#40

1,4-Dioxane

Concen: 9.739 ppbv

RT: 4.596 min Scan# 1393

Delta R.T. 0.006 min

Lab File: VL042888.D

Acq: 04 Sep 2025 12:21

Tgt Ion: 88 Resp: 57426

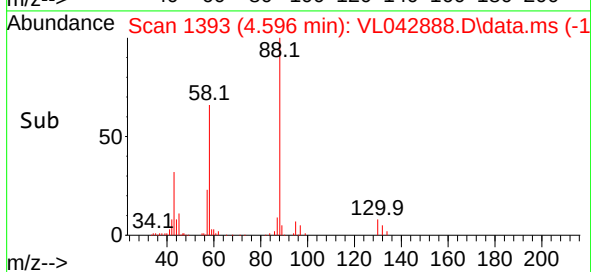
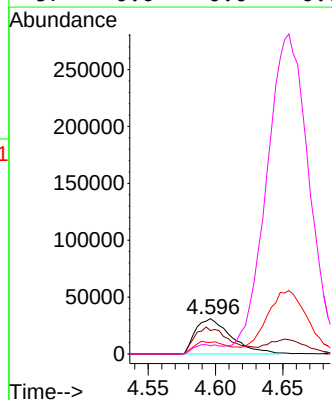
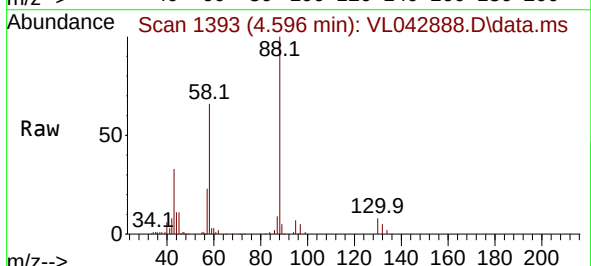
Ion Ratio Lower Upper

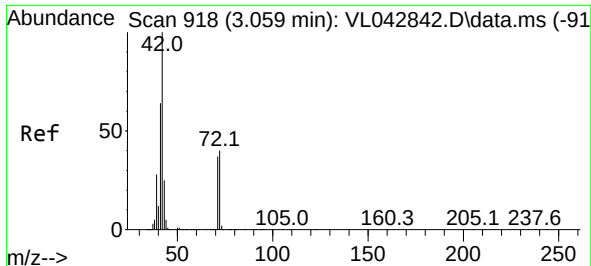
88 100

58 75.1 53.8 80.6

43 35.9 22.8 34.2#

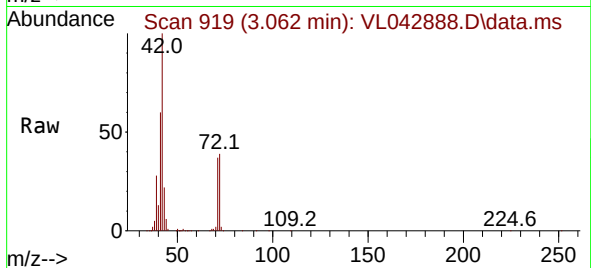
57 0.0 0.0 0.0



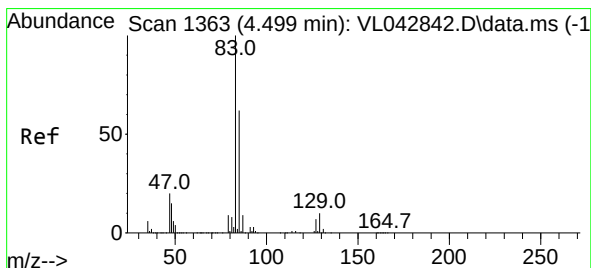
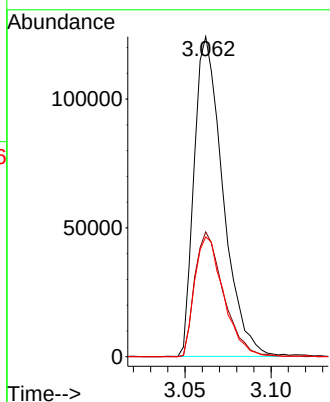
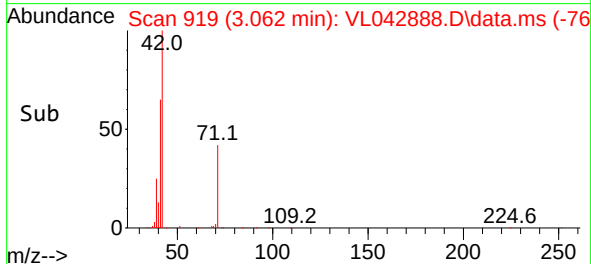


#41
Tetrahydrofuran
Concen: 10.811 ppbv
RT: 3.062 min Scan# 918
Delta R.T. 0.003 min
Lab File: VL042888.D
Acq: 04 Sep 2025 12:21

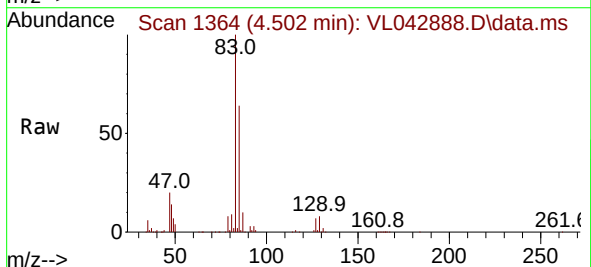
Instrument :
MSVOA_L
ClientSampleId :



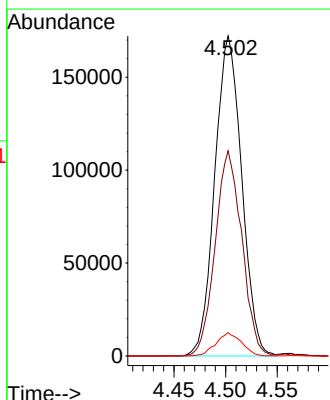
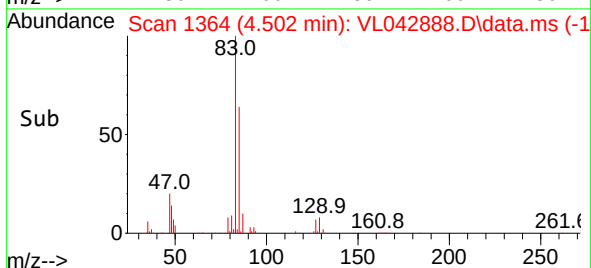
Tgt Ion: 42 Resp: 144304
Ion Ratio Lower Upper
42 100
72 39.2 32.6 48.8
71 38.0 30.0 45.0

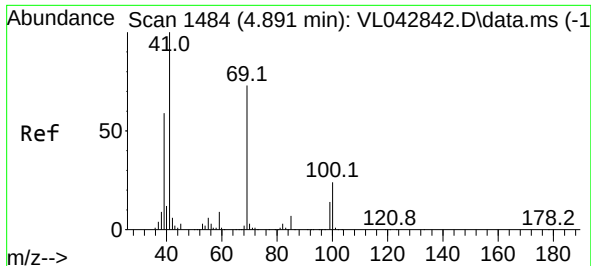


#42
Bromodichloromethane
Concen: 11.832 ppbv
RT: 4.502 min Scan# 1364
Delta R.T. 0.003 min
Lab File: VL042888.D
Acq: 04 Sep 2025 12:21



Tgt Ion: 83 Resp: 312742
Ion Ratio Lower Upper
83 100
85 64.1 49.8 74.8
127 7.3 5.8 8.6

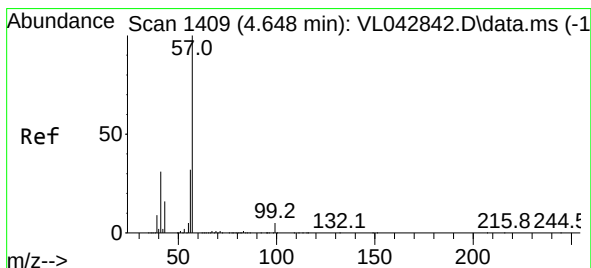
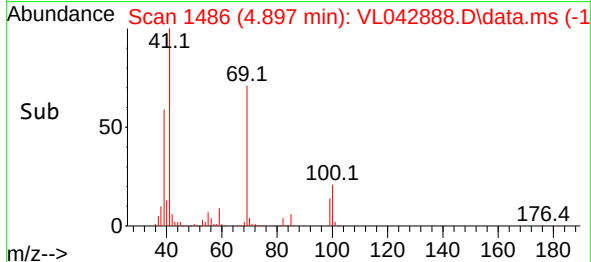
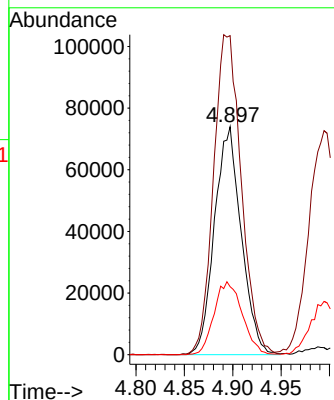
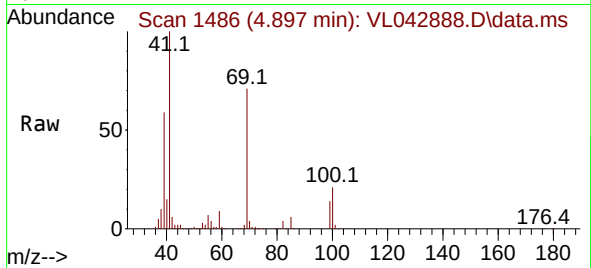




#43
Methyl Methacrylate
Concen: 10.172 ppbv
RT: 4.897 min Scan# 1486
Delta R.T. 0.006 min
Lab File: VL042888.D
Acq: 04 Sep 2025 12:21

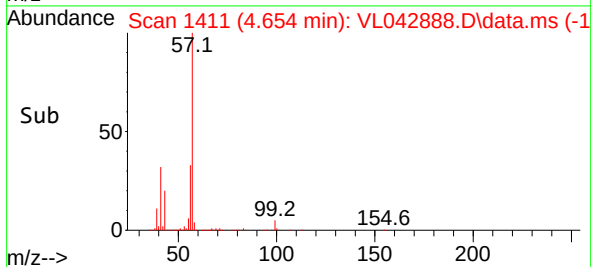
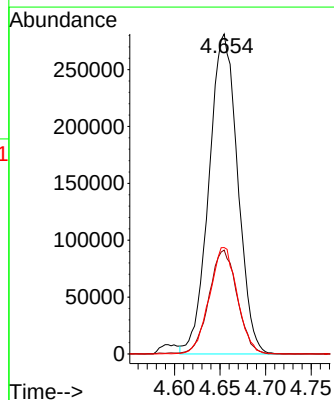
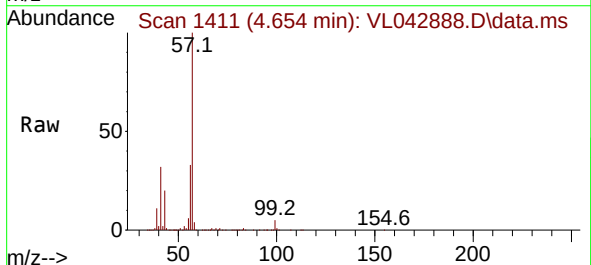
Instrument :
MSVOA_L
ClientSampleId :

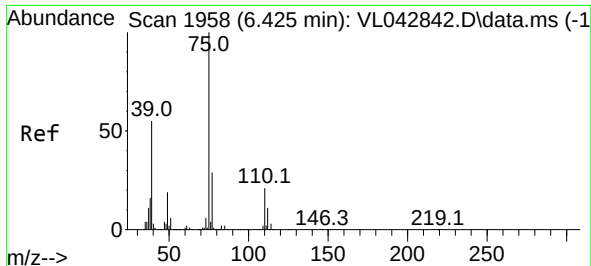
Tgt Ion: 69 Resp: 142269
Ion Ratio Lower Upper
69 100
41 145.8 114.6 172.0
100 33.7 30.2 45.4



#44
2,2,4-Trimethylpentane
Concen: 10.705 ppbv
RT: 4.654 min Scan# 1411
Delta R.T. 0.006 min
Lab File: VL042888.D
Acq: 04 Sep 2025 12:21

Tgt Ion: 57 Resp: 616871
Ion Ratio Lower Upper
57 100
41 32.2 24.8 37.2
56 32.3 25.5 38.3





#45

t-1,3-Dichloropropene

Concen: 10.290 ppbv

RT: 6.431 min Scan# 1958

Delta R.T. 0.006 min

Lab File: VL042888.D

Acq: 04 Sep 2025 12:21

Instrument :

MSVOA_L

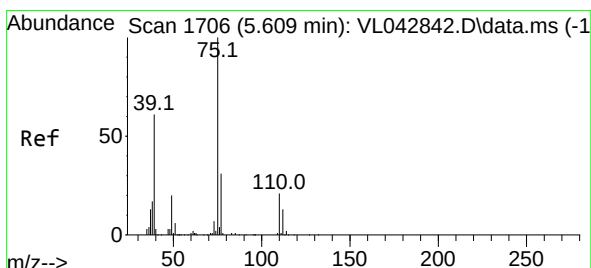
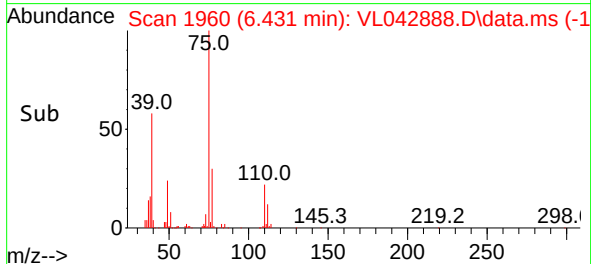
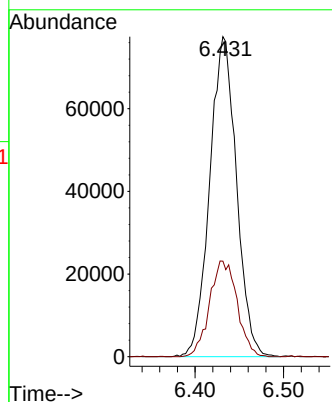
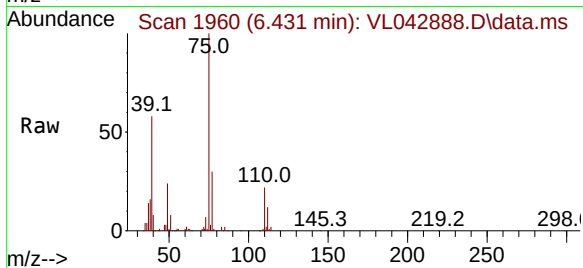
ClientSampleId :

Tgt Ion: 75 Resp: 162419

Ion Ratio Lower Upper

75 100

77 29.9 23.8 35.6



#46

cis-1,3-Dichloropropene

Concen: 10.626 ppbv

RT: 5.619 min Scan# 1709

Delta R.T. 0.010 min

Lab File: VL042888.D

Acq: 04 Sep 2025 12:21

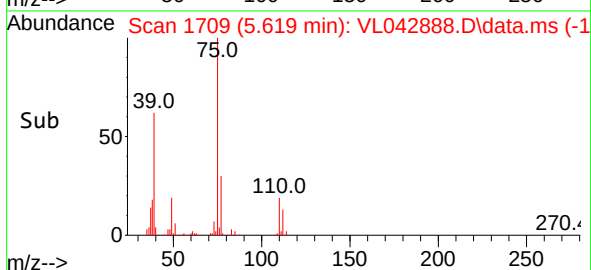
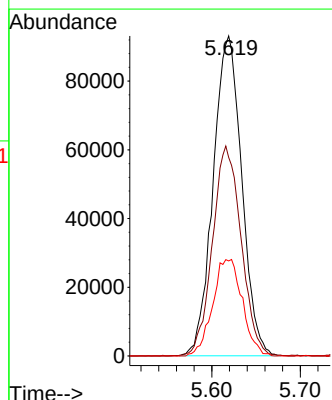
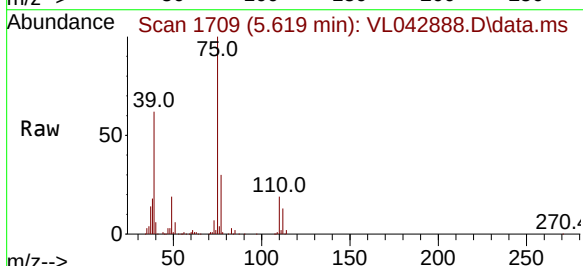
Tgt Ion: 75 Resp: 208989

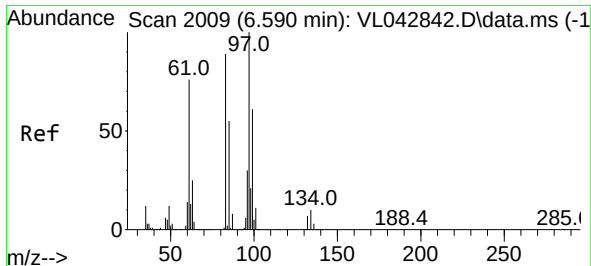
Ion Ratio Lower Upper

75 100

39 61.8 48.9 73.3

77 29.7 24.9 37.3





#47

1,1,2-Trichloroethane

Concen: 10.928 ppbv

RT: 6.596 min Scan# 2009

Delta R.T. 0.006 min

Lab File: VL042888.D

Acq: 04 Sep 2025 12:21

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 97 Resp: 143562

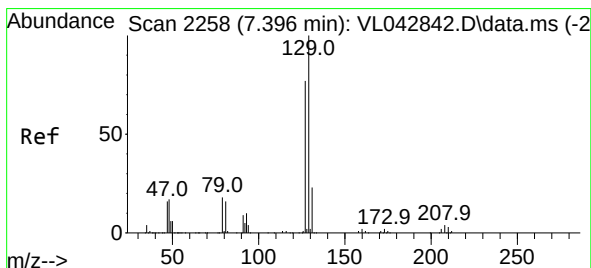
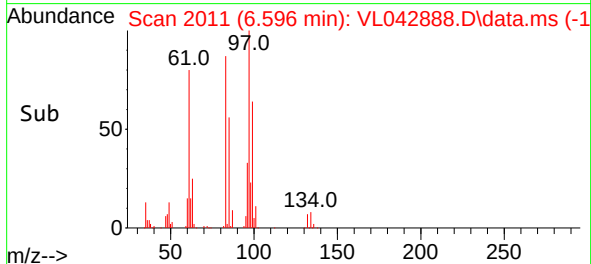
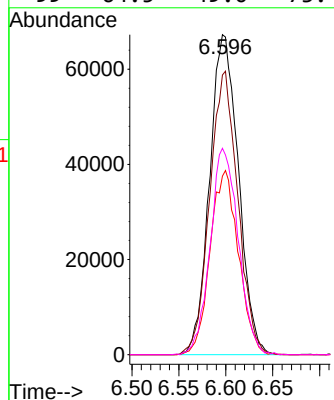
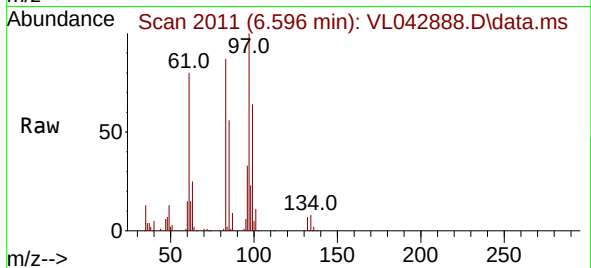
Ion Ratio Lower Upper

97 100

83 87.3 71.0 106.4

85 55.7 43.6 65.4

99 64.5 49.0 73.4



#48

Dibromochloromethane

Concen: 11.199 ppbv

RT: 7.402 min Scan# 2260

Delta R.T. 0.006 min

Lab File: VL042888.D

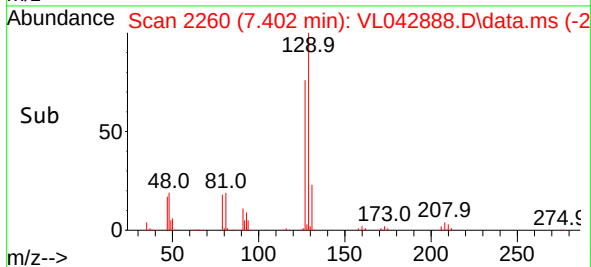
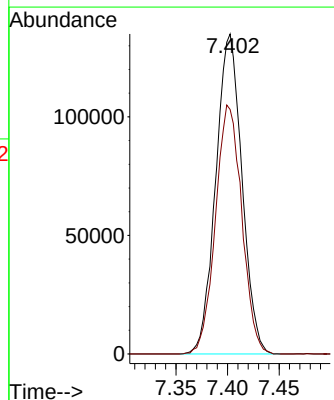
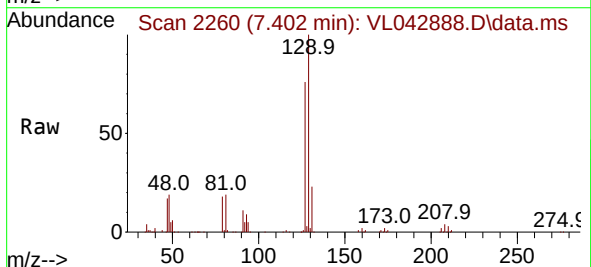
Acq: 04 Sep 2025 12:21

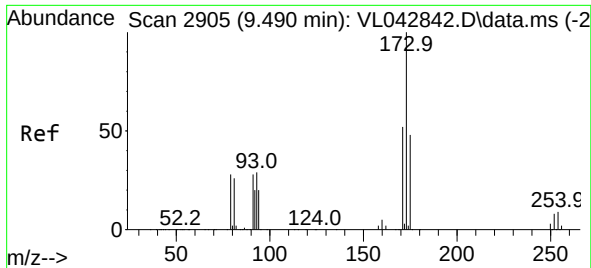
Tgt Ion:129 Resp: 238088

Ion Ratio Lower Upper

129 100

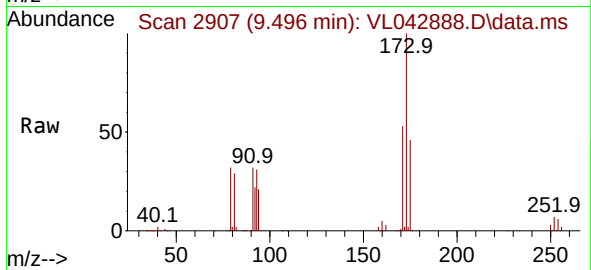
127 78.2 39.4 118.2



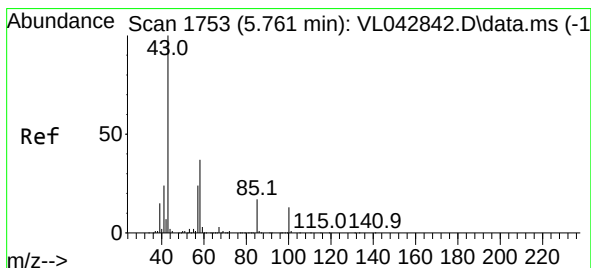
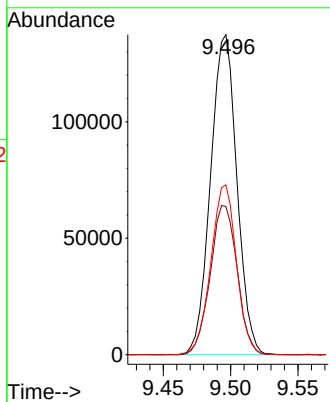
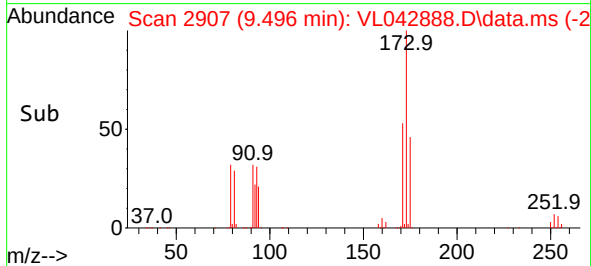


#49
Bromoform
Concen: 10.652 ppbv
RT: 9.496 min Scan# 2905
Delta R.T. 0.006 min
Lab File: VL042888.D
Acq: 04 Sep 2025 12:21

Instrument :
MSVOA_L
ClientSampleId :

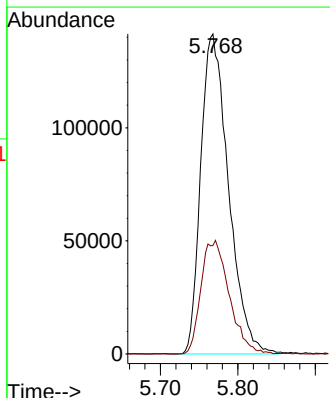
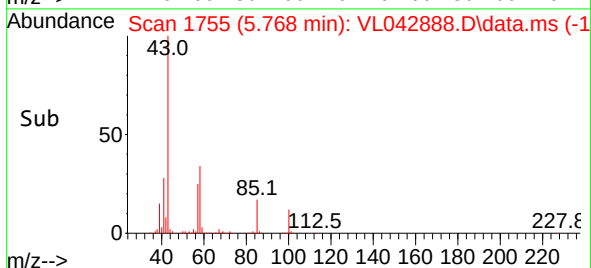
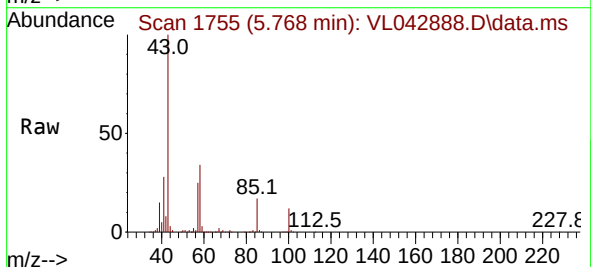


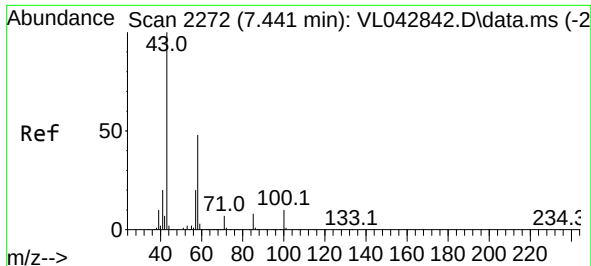
Tgt Ion:173 Resp: 186758
Ion Ratio Lower Upper
173 100
175 47.7 39.2 58.8
171 51.6 41.3 61.9



#50
4-Methyl-2-Pentanone
Concen: 10.888 ppbv
RT: 5.768 min Scan# 1755
Delta R.T. 0.006 min
Lab File: VL042888.D
Acq: 04 Sep 2025 12:21

Tgt Ion: 43 Resp: 352340
Ion Ratio Lower Upper
43 100
58 36.2 29.8 44.8

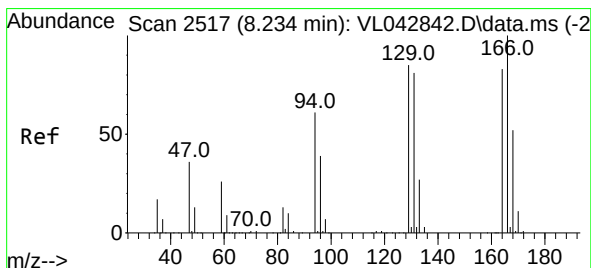
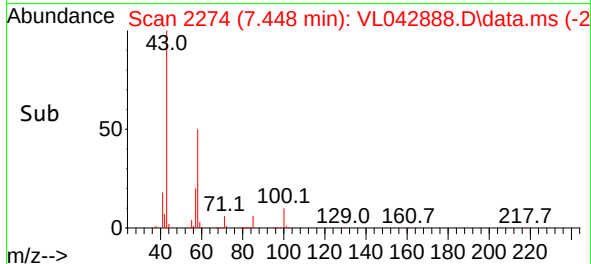
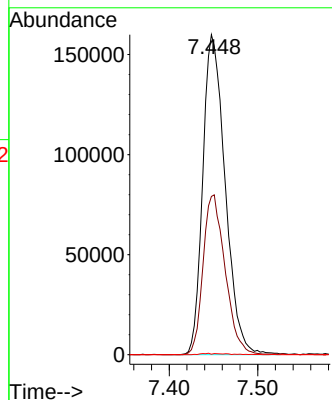
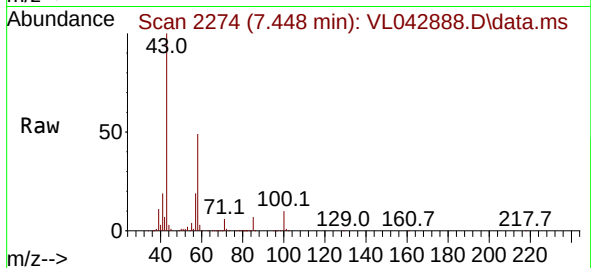




#51
2-Hexanone
Concen: 11.050 ppbv
RT: 7.448 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL042888.D
Acq: 04 Sep 2025 12:21

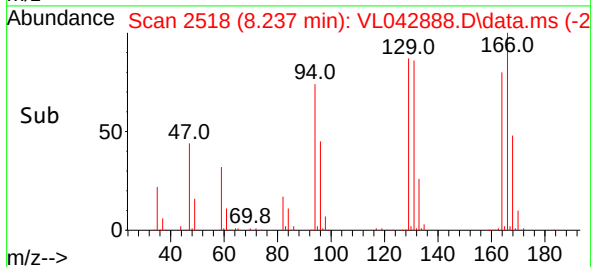
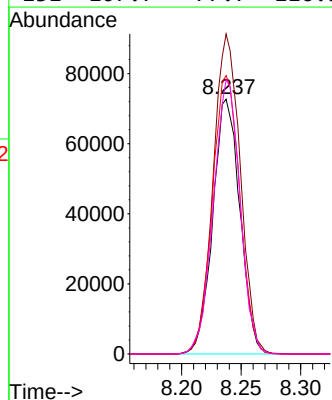
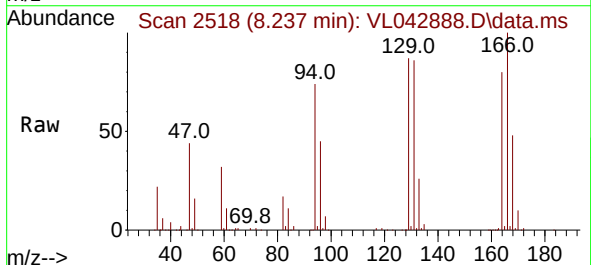
Instrument :
MSVOA_L
ClientSampleId :

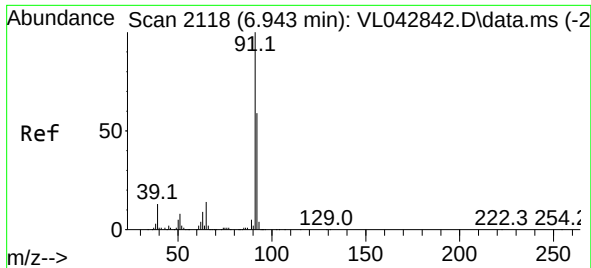
Tgt Ion: 43 Resp: 281377
Ion Ratio Lower Upper
43 100
58 49.3 41.0 61.6
98 0.5 0.1 0.1#



#52
Tetrachloroethene
Concen: 9.346 ppbv
RT: 8.237 min Scan# 2518
Delta R.T. 0.003 min
Lab File: VL042888.D
Acq: 04 Sep 2025 12:21

Tgt Ion:164 Resp: 114794
Ion Ratio Lower Upper
164 100
166 125.5 96.5 144.7
129 109.3 81.8 122.6
131 107.7 77.7 116.5

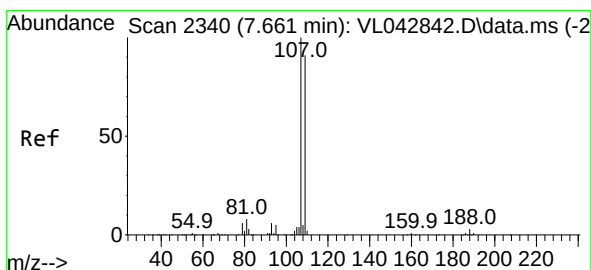
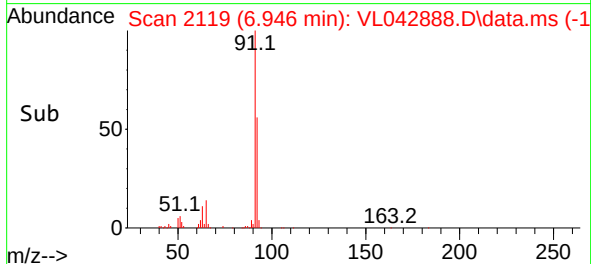
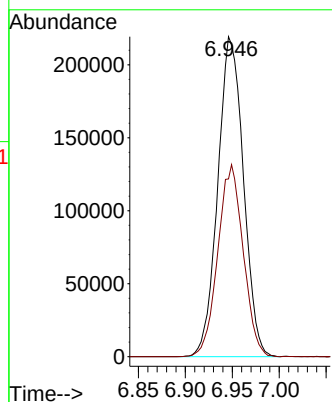
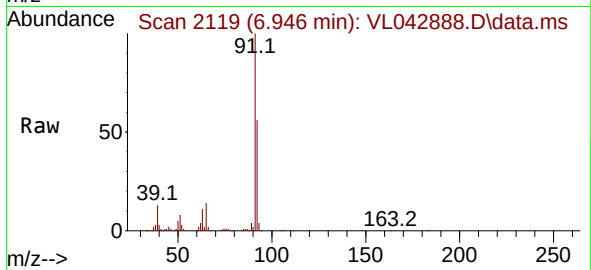




#53
Toluene
Concen: 10.306 ppbv
RT: 6.946 min Scan# 2118
Delta R.T. 0.003 min
Lab File: VL042888.D
Acq: 04 Sep 2025 12:21

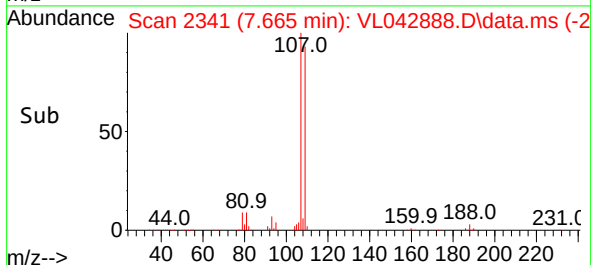
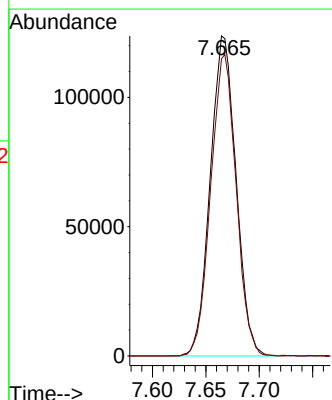
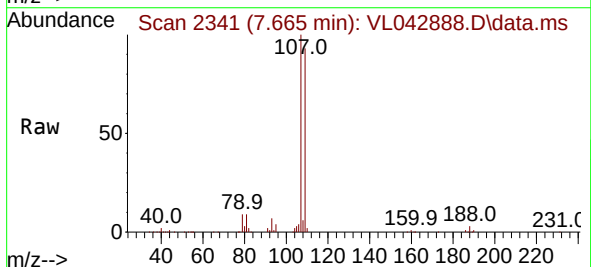
Instrument :
MSVOA_L
ClientSampleId :

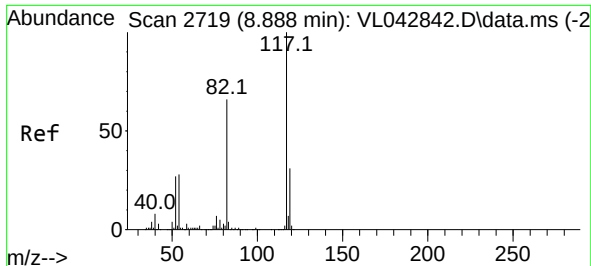
Tgt Ion: 91 Resp: 415989
Ion Ratio Lower Upper
91 100
92 59.4 47.8 71.6



#54
1,2-Dibromoethane
Concen: 10.826 ppbv
RT: 7.665 min Scan# 2341
Delta R.T. 0.003 min
Lab File: VL042888.D
Acq: 04 Sep 2025 12:21

Tgt Ion: 107 Resp: 207852
Ion Ratio Lower Upper
107 100
109 92.9 72.5 108.7

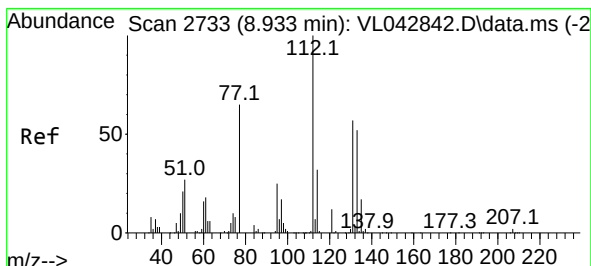
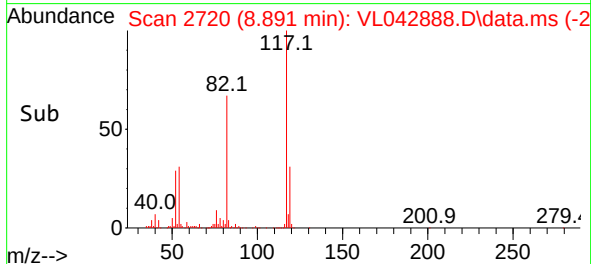
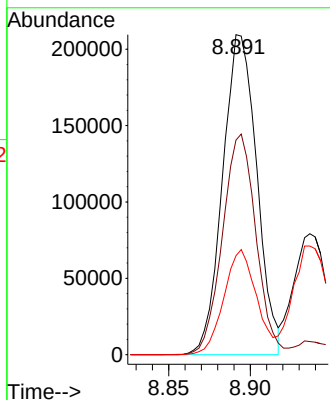
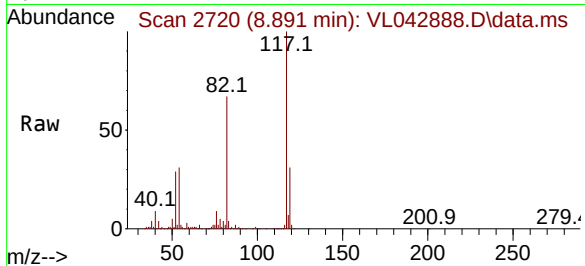




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.891 min Scan# 2719
Delta R.T. 0.003 min
Lab File: VL042888.D
Acq: 04 Sep 2025 12:21

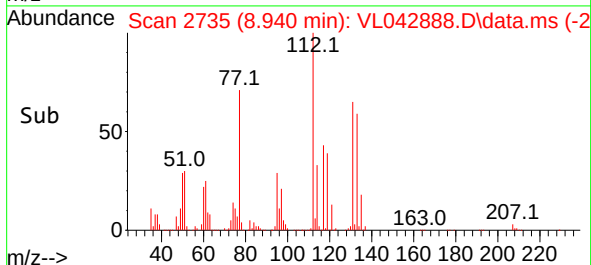
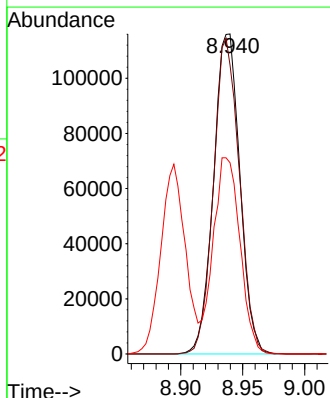
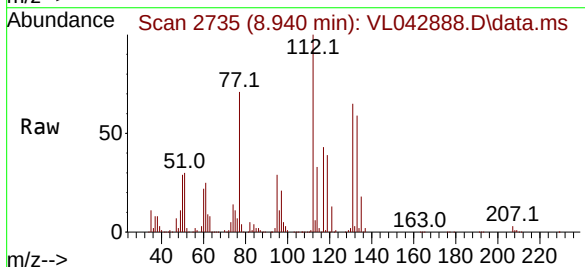
Instrument :
MSVOA_L
ClientSampleId :

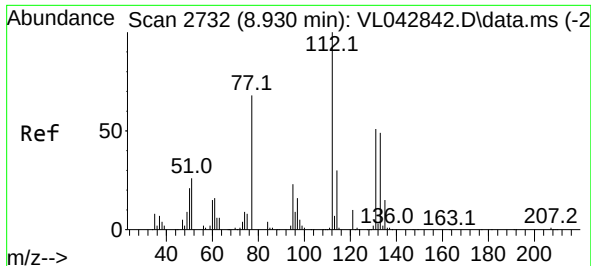
Tgt Ion:117 Resp: 305322
Ion Ratio Lower Upper
117 100
82 71.4 54.6 81.8
119 30.5 25.9 38.9



#56
1,1,1,2-Tetrachloroethane
Concen: 10.897 ppbv
RT: 8.940 min Scan# 2735
Delta R.T. 0.006 min
Lab File: VL042888.D
Acq: 04 Sep 2025 12:21

Tgt Ion:131 Resp: 172051
Ion Ratio Lower Upper
131 100
133 97.0 77.4 116.0
119 64.2 51.2 76.8

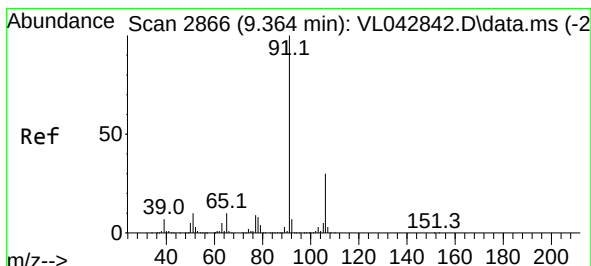
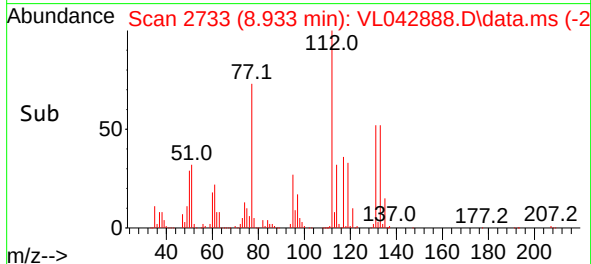
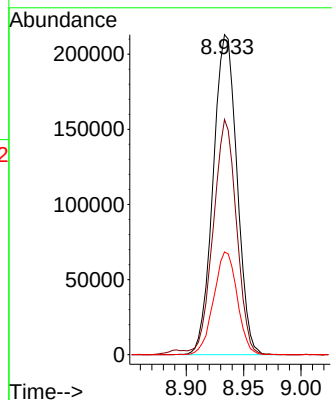
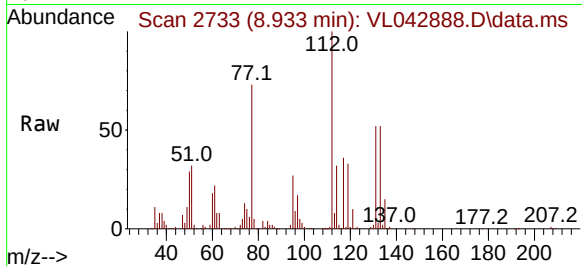




#57
Chlorobenzene
Concen: 10.626 ppbv
RT: 8.933 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL042888.D
Acq: 04 Sep 2025 12:21

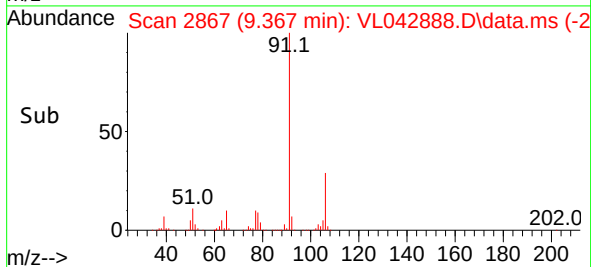
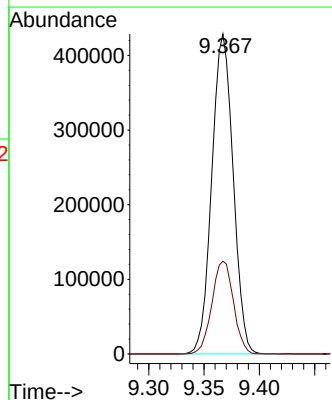
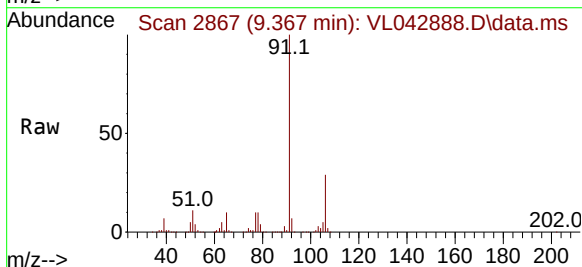
Instrument :
MSVOA_L
ClientSampleId :

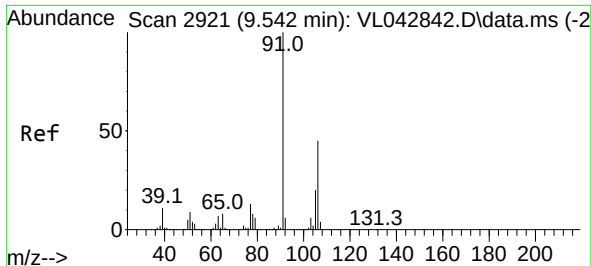
Tgt Ion:112 Resp: 308473
Ion Ratio Lower Upper
112 100
77 73.4 55.5 83.3
114 32.1 27.2 33.2



#58
Ethyl Benzene
Concen: 10.680 ppbv
RT: 9.367 min Scan# 2867
Delta R.T. 0.003 min
Lab File: VL042888.D
Acq: 04 Sep 2025 12:21

Tgt Ion: 91 Resp: 575425
Ion Ratio Lower Upper
91 100
106 29.0 23.9 35.9





#59

m/p-Xylene

Concen: 10.740 ppbv

RT: 9.545 min Scan# 2921

Delta R.T. 0.003 min

Lab File: VL042888.D

Acq: 04 Sep 2025 12:21

Instrument :

MSVOA_L

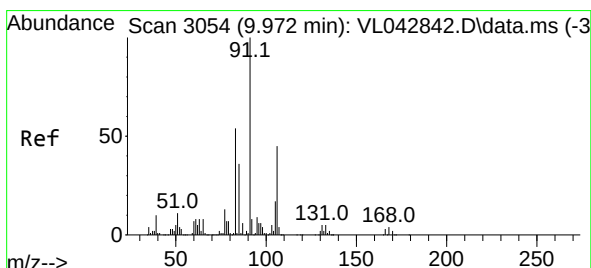
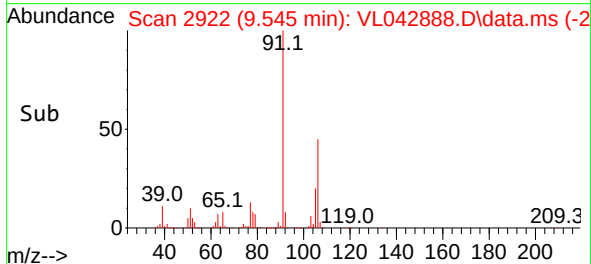
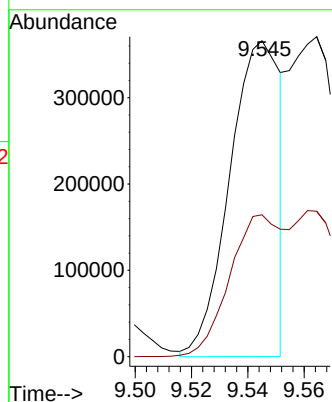
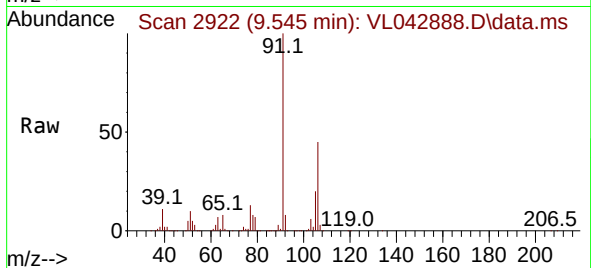
ClientSampleId :

Tgt Ion: 91 Resp: 453581

Ion Ratio Lower Upper

91 100

106 0.0 0.0 0.0



#60

o-Xylene

Concen: 10.972 ppbv

RT: 9.975 min Scan# 3055

Delta R.T. 0.003 min

Lab File: VL042888.D

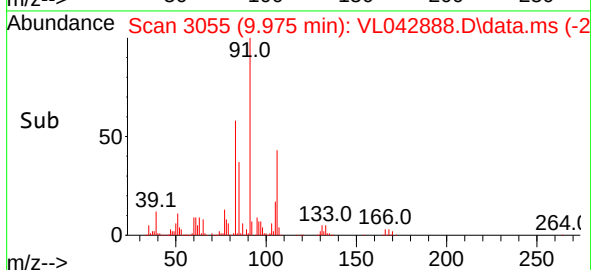
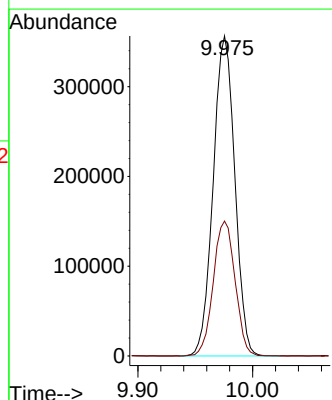
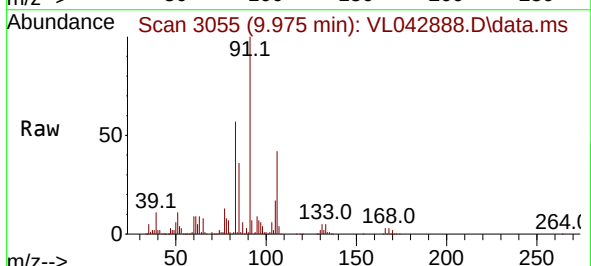
Acq: 04 Sep 2025 12:21

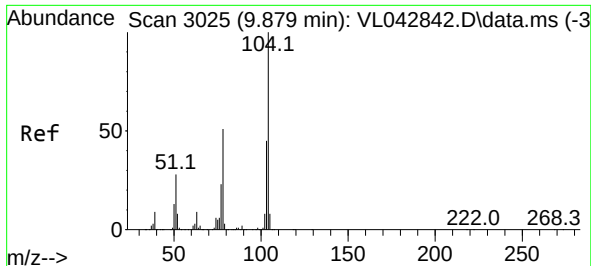
Tgt Ion: 91 Resp: 466103

Ion Ratio Lower Upper

91 100

106 42.6 21.8 65.4

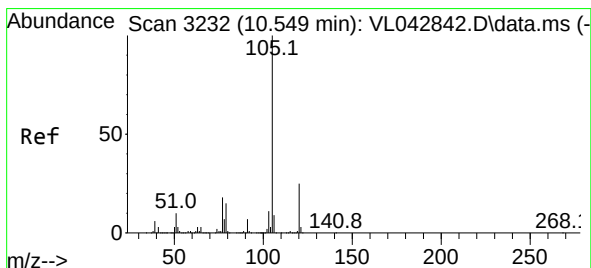
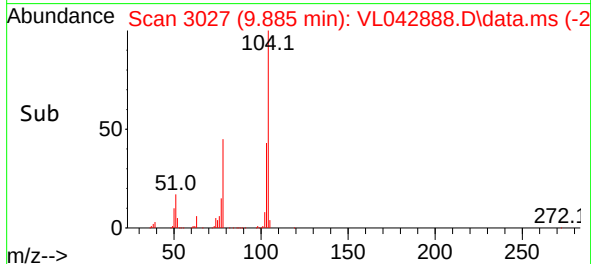
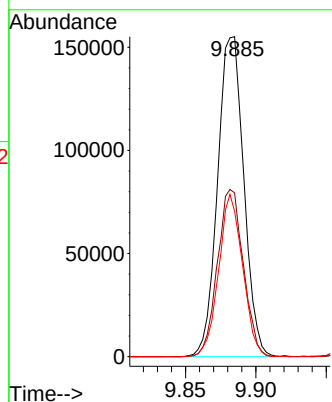
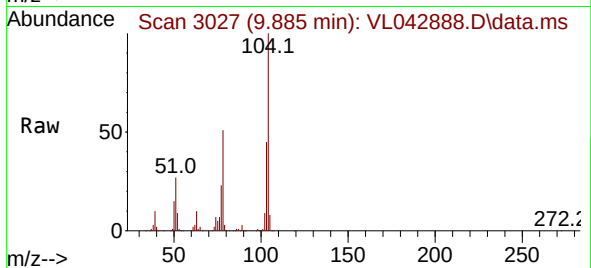




#61
Styrene
Concen: 10.122 ppbv
RT: 9.885 min Scan# 3025
Delta R.T. 0.006 min
Lab File: VL042888.D
Acq: 04 Sep 2025 12:21

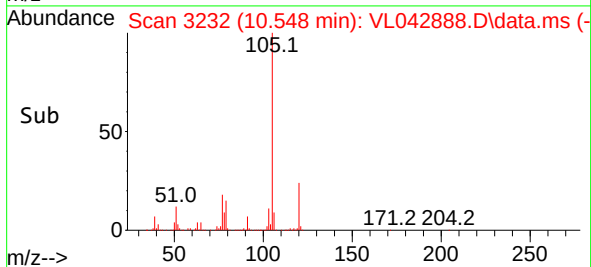
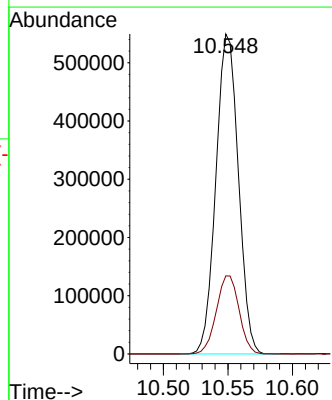
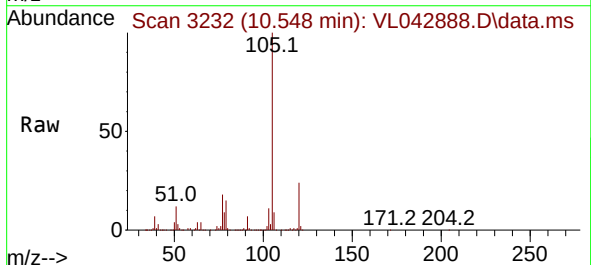
Instrument :
MSVOA_L
ClientSampleId :

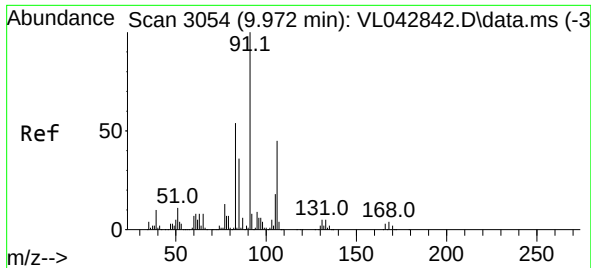
Tgt Ion:104 Resp: 201466
Ion Ratio Lower Upper
104 100
78 51.6 40.6 61.0
103 46.4 37.7 56.5



#62
Isopropylbenzene
Concen: 10.681 ppbv
RT: 10.548 min Scan# 3232
Delta R.T. -0.000 min
Lab File: VL042888.D
Acq: 04 Sep 2025 12:21

Tgt Ion:105 Resp: 663141
Ion Ratio Lower Upper
105 100
120 24.7 20.6 30.8

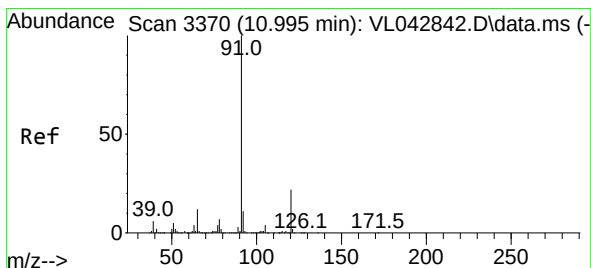
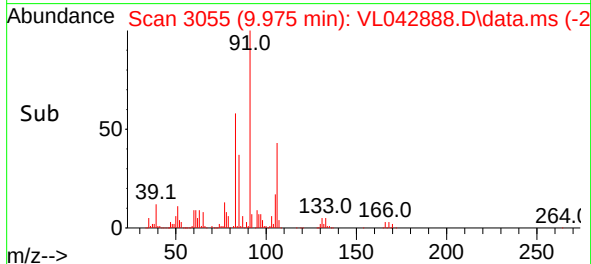
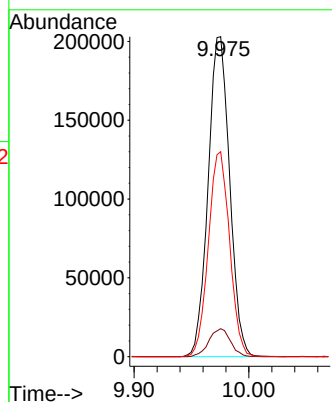
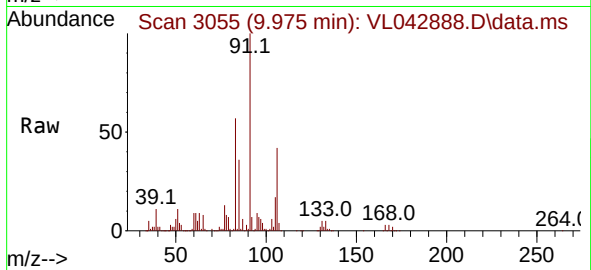




#63
 1,1,2,2-Tetrachloroethane
 Concen: 11.335 ppbv
 RT: 9.975 min Scan# 3054
 Delta R.T. 0.003 min
 Lab File: VL042888.D
 Acq: 04 Sep 2025 12:21

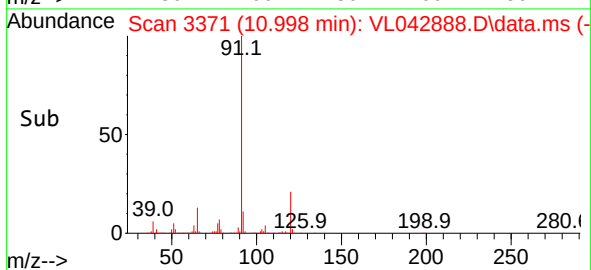
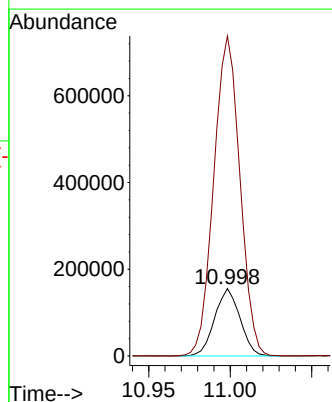
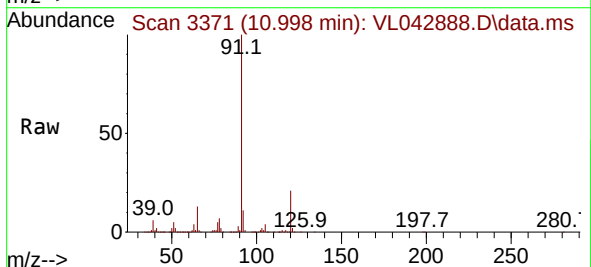
Instrument :
 MSVOA_L
 ClientSampleId :

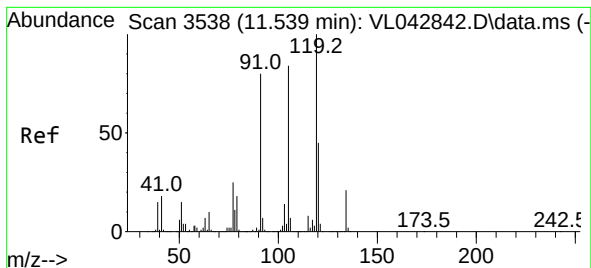
Tgt Ion: 83 Resp: 264816
 Ion Ratio Lower Upper
 83 100
 131 8.8 4.8 14.3
 85 63.2 32.3 96.8



#64
 n-propylbenzene
 Concen: 10.567 ppbv
 RT: 10.998 min Scan# 3371
 Delta R.T. 0.003 min
 Lab File: VL042888.D
 Acq: 04 Sep 2025 12:21

Tgt Ion:120 Resp: 167388
 Ion Ratio Lower Upper
 120 100
 91 491.3 375.8 563.6

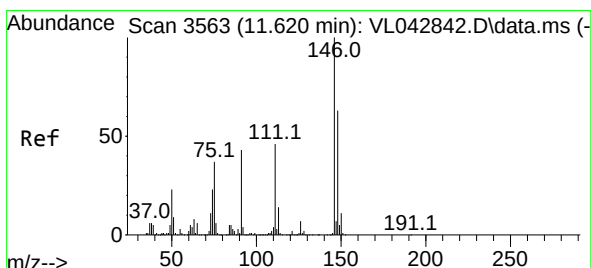
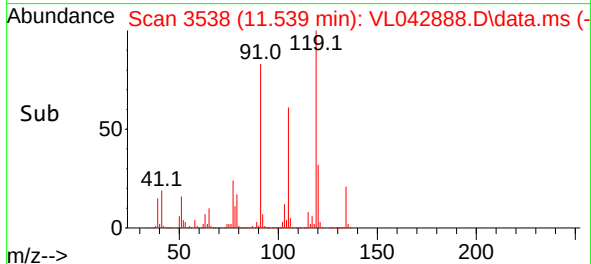
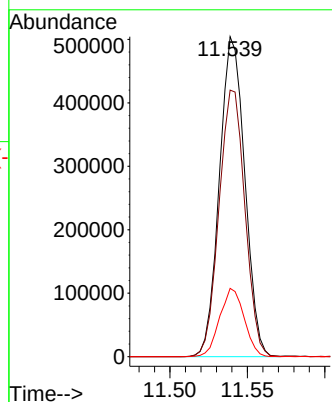
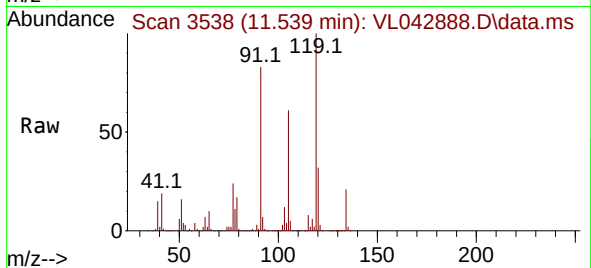




#65
tert-Butylbenzene
Concen: 10.483 ppbv
RT: 11.539 min Scan# 3538
Delta R.T. -0.000 min
Lab File: VL042888.D
Acq: 04 Sep 2025 12:21

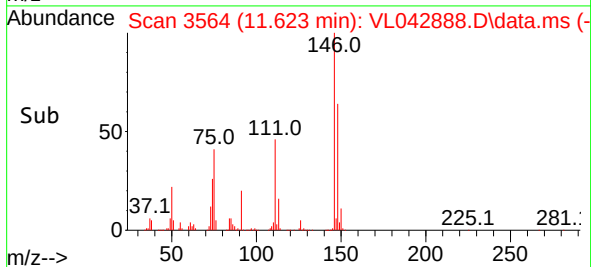
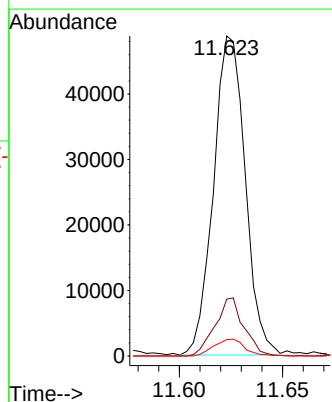
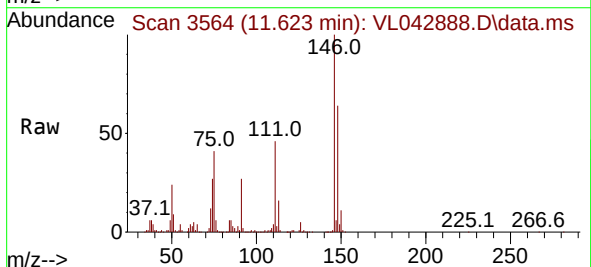
Instrument :
MSVOA_L
ClientSampleId :

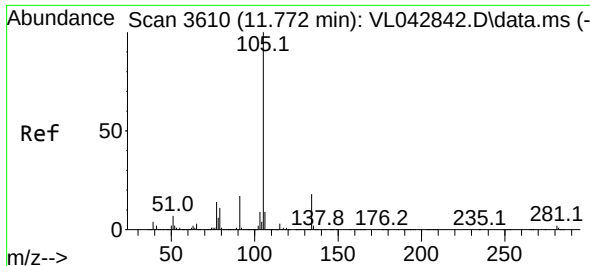
Tgt Ion:119 Resp: 573769
Ion Ratio Lower Upper
119 100
91 85.1 63.9 95.9
134 20.7 17.0 25.4



#66
Benzyl Chloride
Concen: 7.487 ppbv
RT: 11.623 min Scan# 3564
Delta R.T. 0.003 min
Lab File: VL042888.D
Acq: 04 Sep 2025 12:21

Tgt Ion: 91 Resp: 52019
Ion Ratio Lower Upper
91 100
126 16.5 14.2 21.4
128 5.2 5.0 7.6

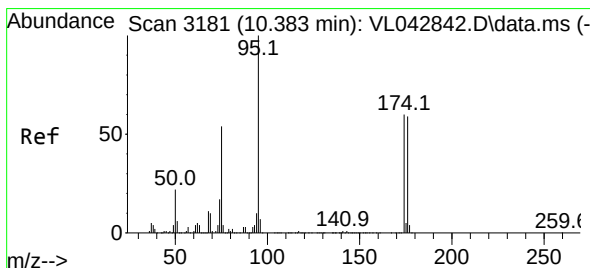
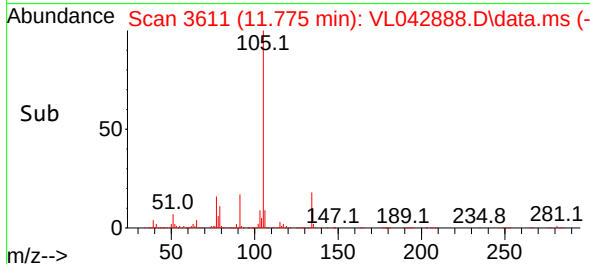
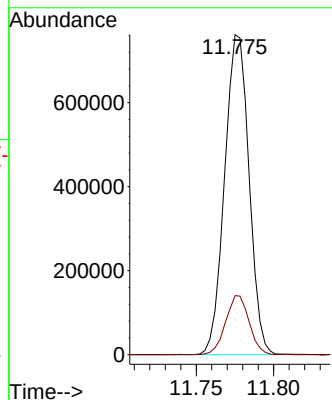
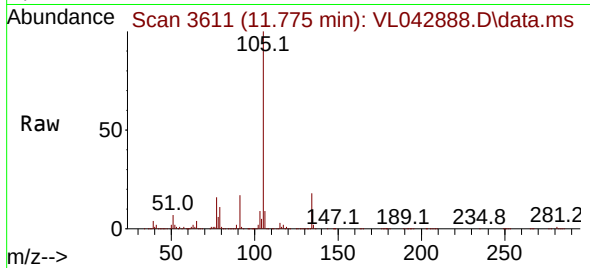




#67
 sec-Butylbenzene
 Concen: 10.874 ppbv
 RT: 11.775 min Scan# 3611
 Delta R.T. 0.003 min
 Lab File: VL042888.D
 Acq: 04 Sep 2025 12:21

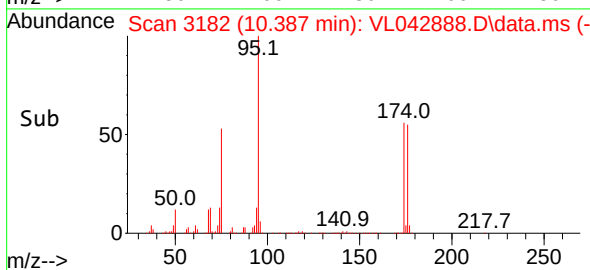
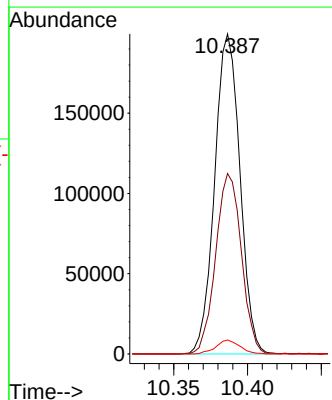
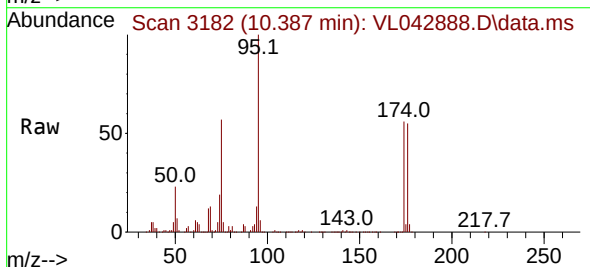
Instrument :
 MSVOA_L
 ClientSampleId :

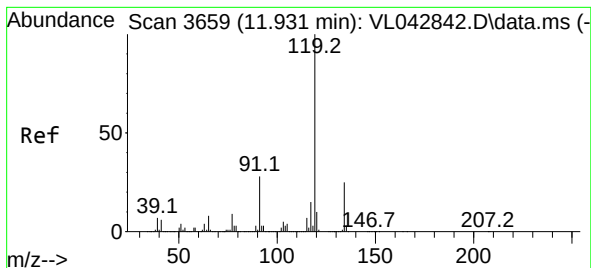
Tgt Ion:105 Resp: 835362
 Ion Ratio Lower Upper
 105 100
 134 17.9 14.9 22.3



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.401 ppbv
 RT: 10.387 min Scan# 3182
 Delta R.T. 0.003 min
 Lab File: VL042888.D
 Acq: 04 Sep 2025 12:21

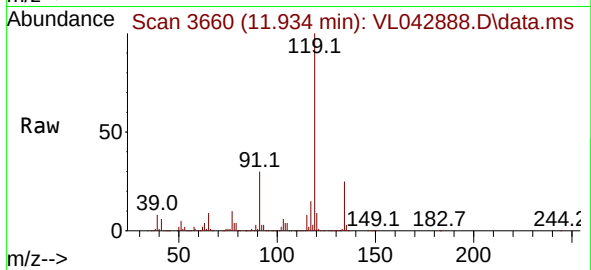
Tgt Ion: 95 Resp: 238170
 Ion Ratio Lower Upper
 95 100
 174 57.2 48.4 72.6
 175 4.1 3.8 5.8



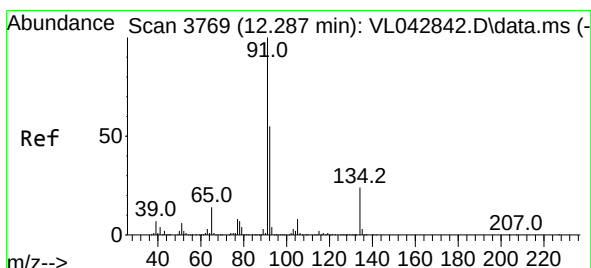
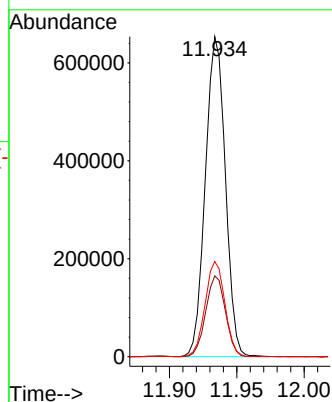
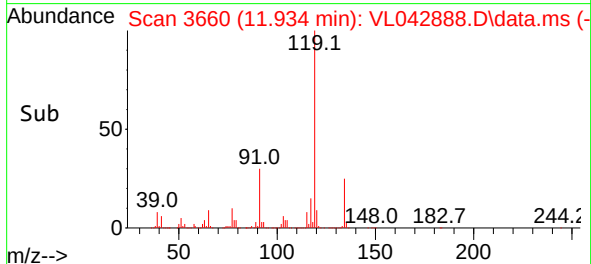


#69
p-Isopropyltoluene
Concen: 10.234 ppbv
RT: 11.934 min Scan# 3660
Delta R.T. 0.003 min
Lab File: VL042888.D
Acq: 04 Sep 2025 12:21

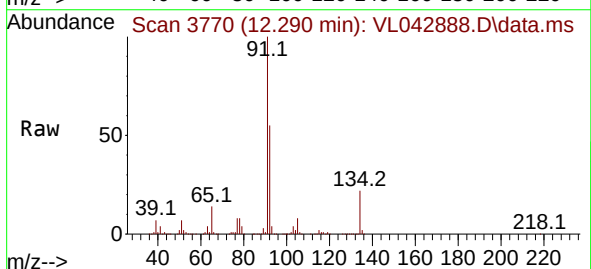
Instrument :
MSVOA_L
ClientSampleId :



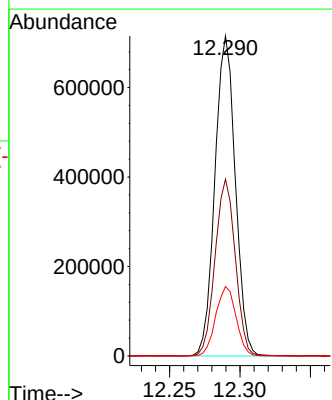
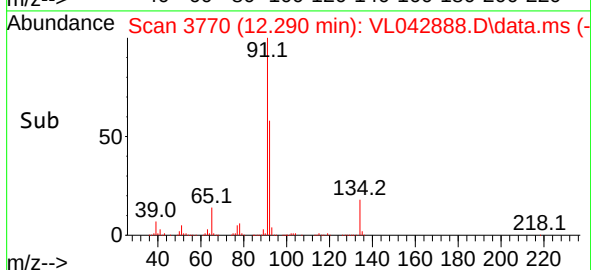
Tgt Ion:119 Resp: 675014
Ion Ratio Lower Upper
119 100
134 24.9 20.6 30.8
91 29.6 22.6 34.0

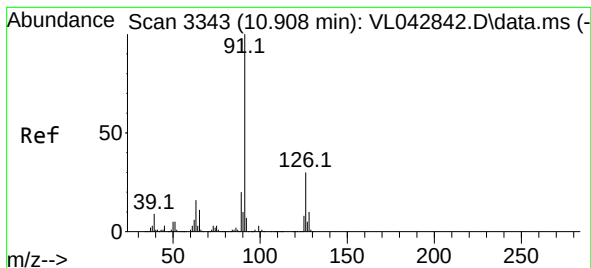


#70
n-Butylbenzene
Concen: 11.012 ppbv
RT: 12.290 min Scan# 3770
Delta R.T. 0.003 min
Lab File: VL042888.D
Acq: 04 Sep 2025 12:21



Tgt Ion: 91 Resp: 720311
Ion Ratio Lower Upper
91 100
92 54.7 44.6 66.8
134 21.7 19.0 28.4

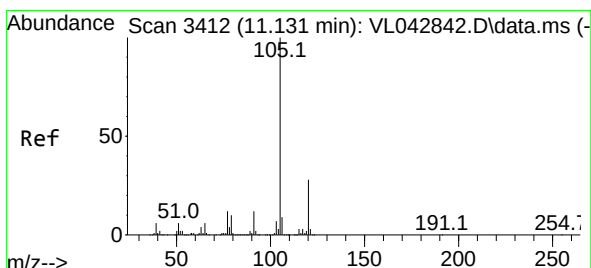
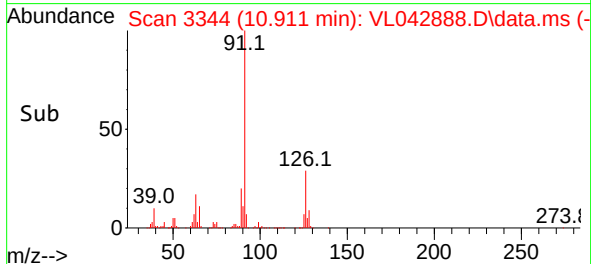
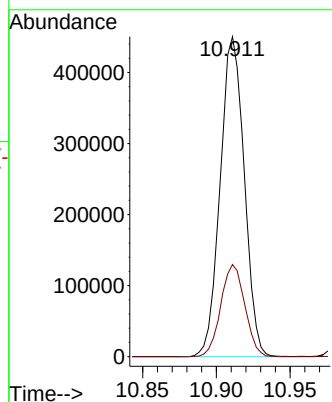
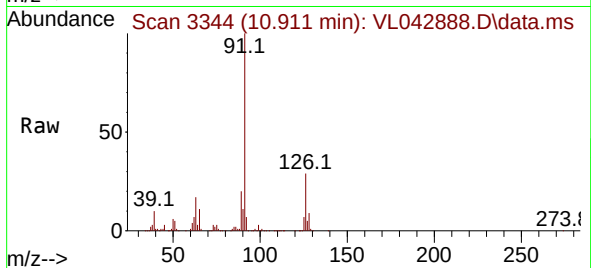




#71
2-Chlorotoluene
Concen: 10.599 ppbv
RT: 10.911 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL042888.D
Acq: 04 Sep 2025 12:21

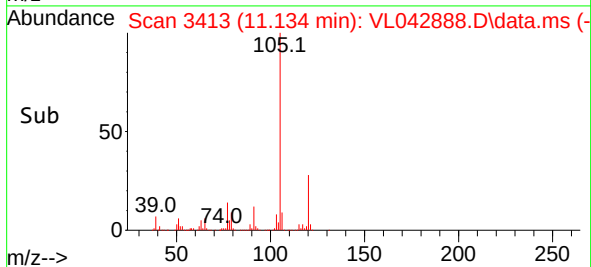
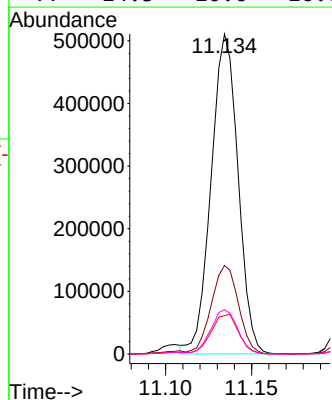
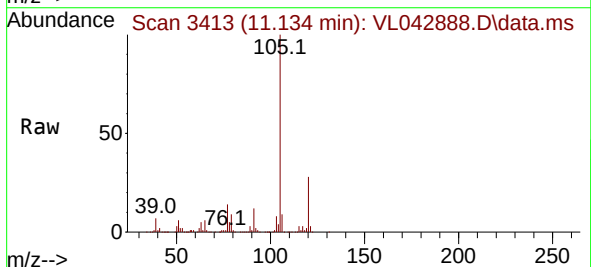
Instrument :
MSVOA_L
ClientSampleId :

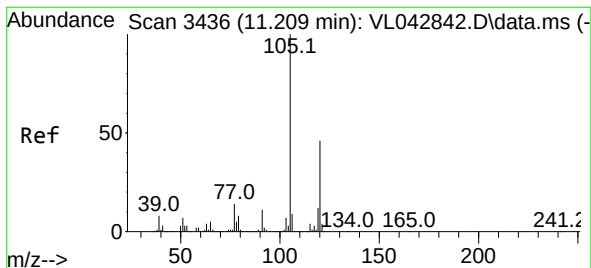
Tgt Ion: 91 Resp: 510985
Ion Ratio Lower Upper
91 100
126 28.7 12.0 47.8



#72
4-Ethyltoluene
Concen: 10.794 ppbv
RT: 11.134 min Scan# 3413
Delta R.T. 0.003 min
Lab File: VL042888.D
Acq: 04 Sep 2025 12:21

Tgt Ion: 105 Resp: 555877
Ion Ratio Lower Upper
105 100
120 28.8 23.4 35.2
91 13.2 9.8 14.6
77 14.3 10.6 16.0





#73

1,3,5-Trimethylbenzene

Concen: 10.571 ppbv

RT: 11.212 min Scan# 34

Delta R.T. 0.003 min

Lab File: VL042888.D

Acq: 04 Sep 2025 12:21

Instrument :

MSVOA_L

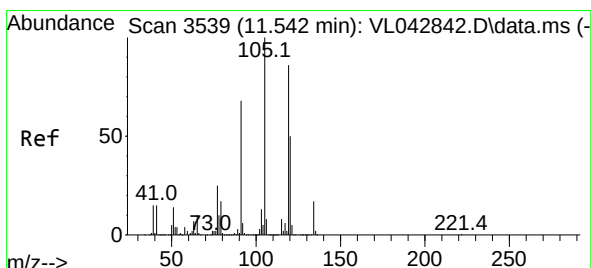
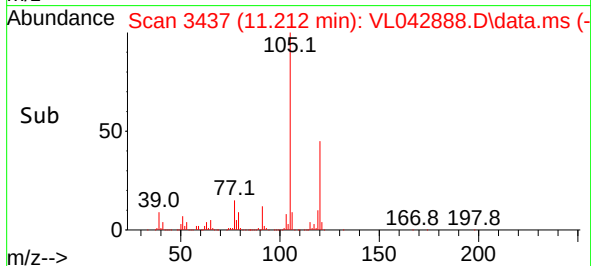
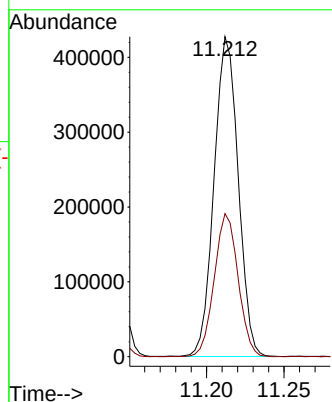
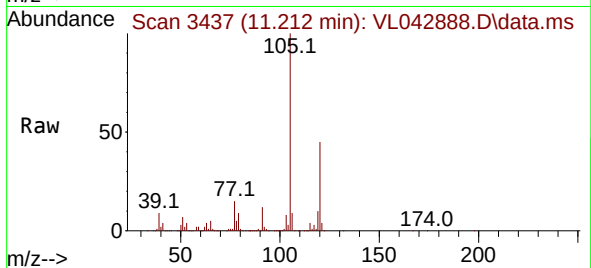
ClientSampleId :

Tgt Ion:105 Resp: 462968

Ion Ratio Lower Upper

105 100

120 44.7 36.6 54.8



#74

1,2,4-Trimethylbenzene

Concen: 10.770 ppbv

RT: 11.545 min Scan# 3540

Delta R.T. 0.003 min

Lab File: VL042888.D

Acq: 04 Sep 2025 12:21

Tgt Ion:105 Resp: 517749

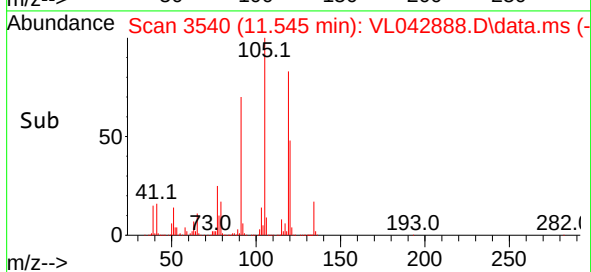
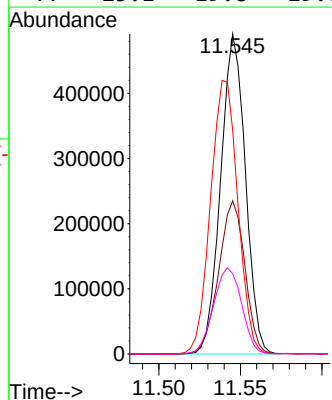
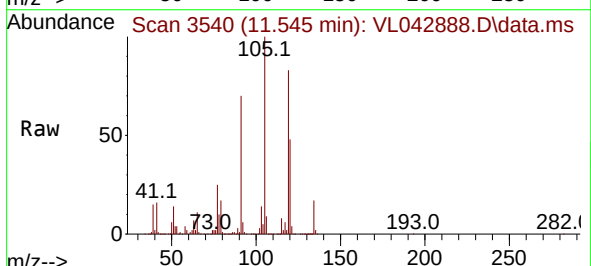
Ion Ratio Lower Upper

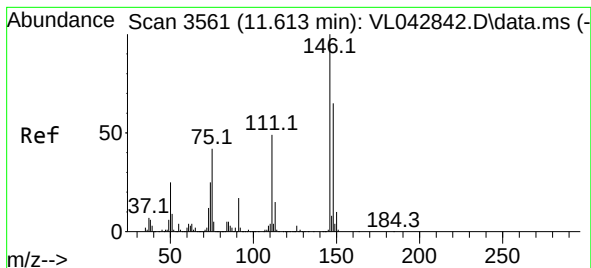
105 100

120 47.8 39.8 59.6

91 69.9 54.2 81.4

77 25.1 19.8 29.6





#75

1,3-Dichlorobenzene

Concen: 10.758 ppbv

RT: 11.616 min Scan# 3562

Delta R.T. 0.003 min

Lab File: VL042888.D

Acq: 04 Sep 2025 12:21

Instrument :

MSVOA_L

ClientSampleId :

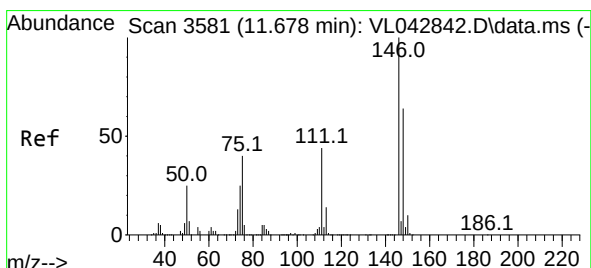
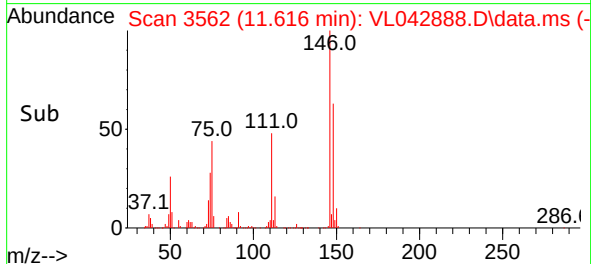
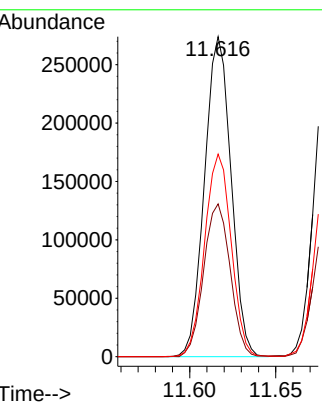
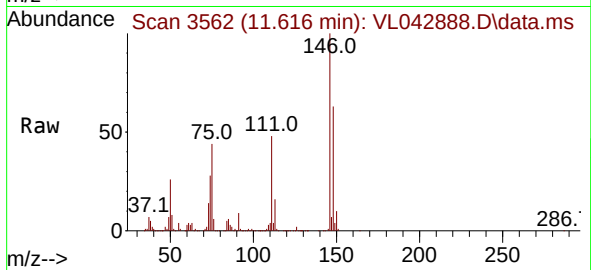
Tgt Ion:146 Resp: 293988

Ion Ratio Lower Upper

146 100

111 47.8 23.9 71.7

148 63.5 31.4 94.0



#76

1,4-Dichlorobenzene

Concen: 10.504 ppbv

RT: 11.681 min Scan# 3582

Delta R.T. 0.003 min

Lab File: VL042888.D

Acq: 04 Sep 2025 12:21

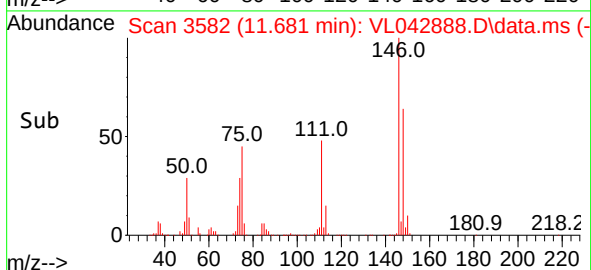
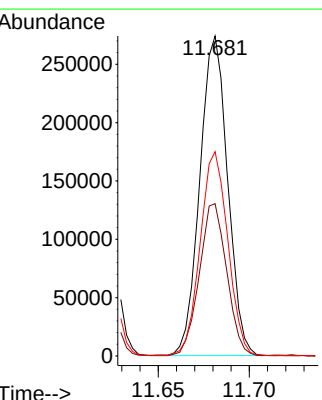
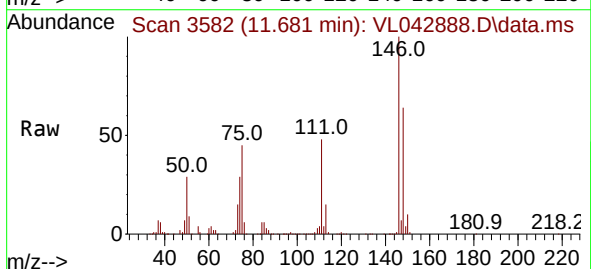
Tgt Ion:146 Resp: 290294

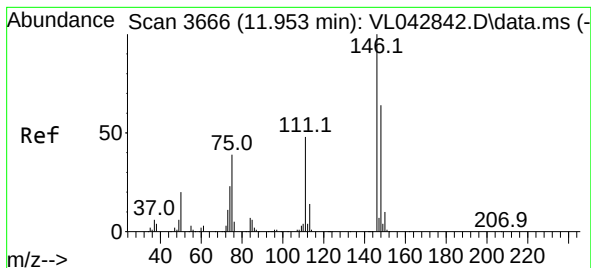
Ion Ratio Lower Upper

146 100

111 47.3 22.7 68.1

148 64.1 31.8 95.3





#77

1,2-Dichlorobenzene

Concen: 10.671 ppbv

RT: 11.956 min Scan# 3

Delta R.T. 0.003 min

Lab File: VL042888.D

Acq: 04 Sep 2025 12:21

Instrument :

MSVOA_L

ClientSampleId :

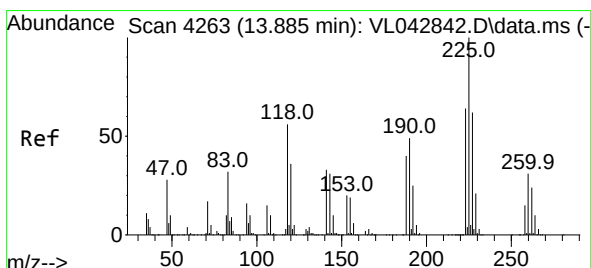
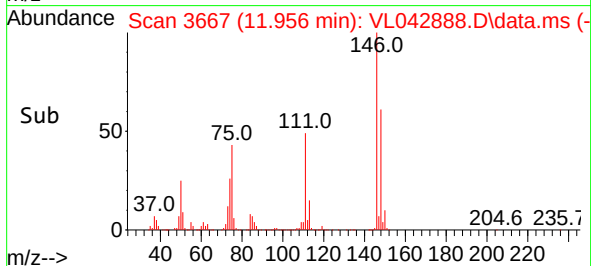
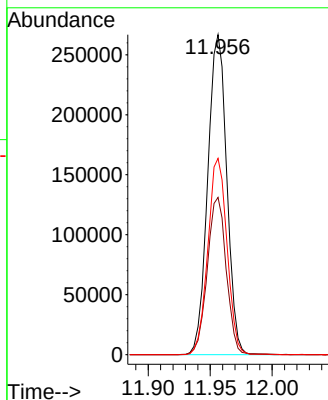
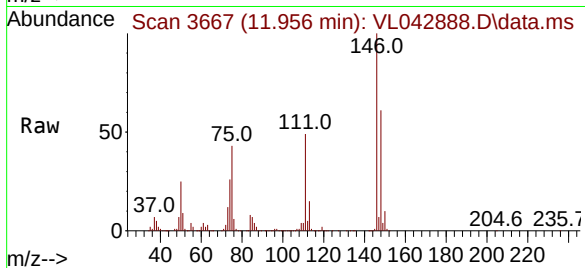
Tgt Ion:146 Resp: 285558

Ion Ratio Lower Upper

146 100

111 49.0 24.6 74.0

148 61.9 32.0 96.0



#78

Hexachloro-1,3-Butadiene

Concen: 7.984 ppbv

RT: 13.889 min Scan# 4264

Delta R.T. 0.003 min

Lab File: VL042888.D

Acq: 04 Sep 2025 12:21

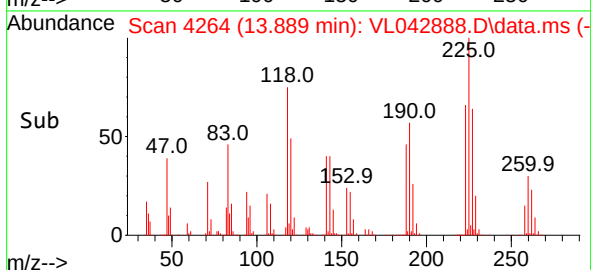
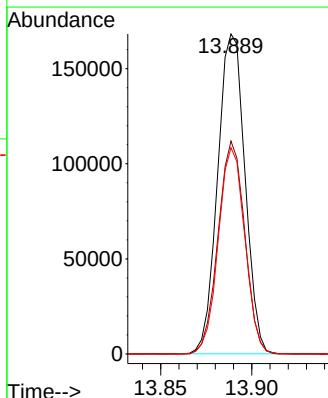
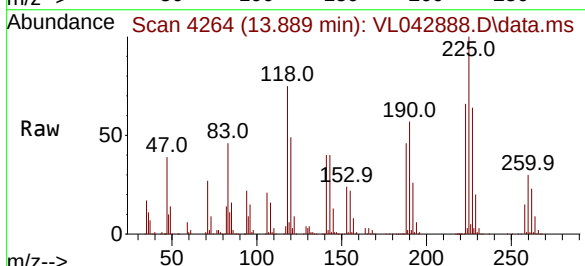
Tgt Ion:225 Resp: 175105

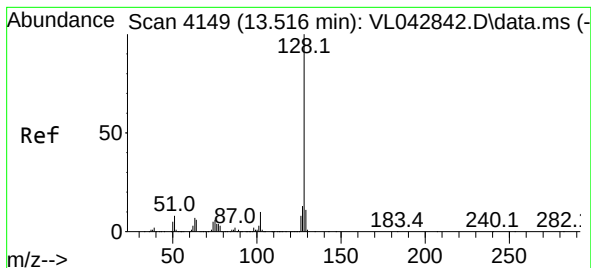
Ion Ratio Lower Upper

225 100

223 64.8 51.4 77.2

227 62.6 51.9 77.9





#79

Naphthalene

Concen: 10.188 ppbv

RT: 13.520 min Scan# 4149

Delta R.T. 0.003 min

Lab File: VL042888.D

Acq: 04 Sep 2025 12:21

Instrument :

MSVOA_L

ClientSampleId :

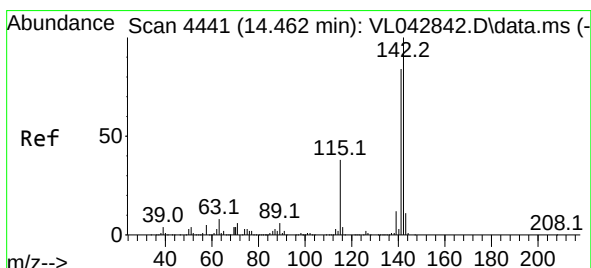
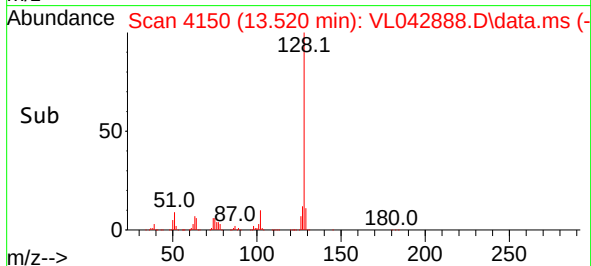
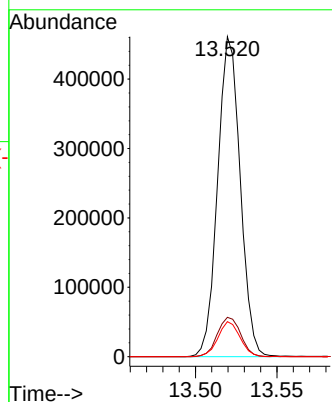
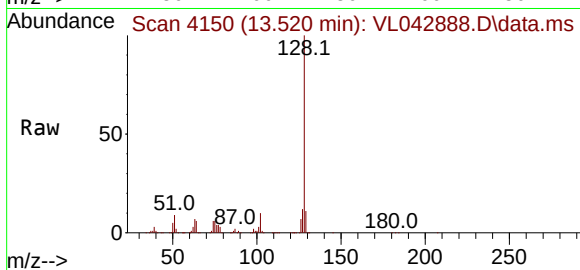
Tgt Ion:128 Resp: 444012

Ion Ratio Lower Upper

128 100

127 12.3 10.6 16.0

129 10.9 8.9 13.3



#80

Naphthalene,2-methyl-

Concen: 8.670 ppbv

RT: 14.465 min Scan# 4442

Delta R.T. 0.003 min

Lab File: VL042888.D

Acq: 04 Sep 2025 12:21

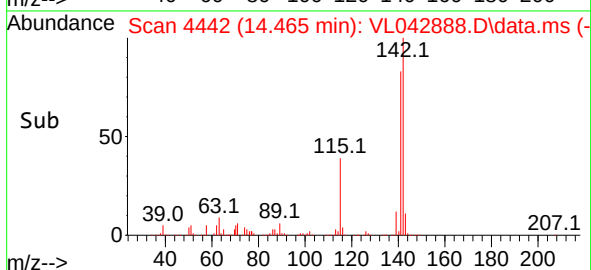
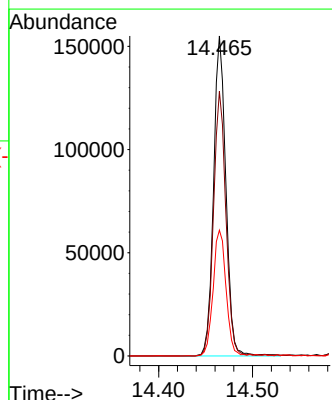
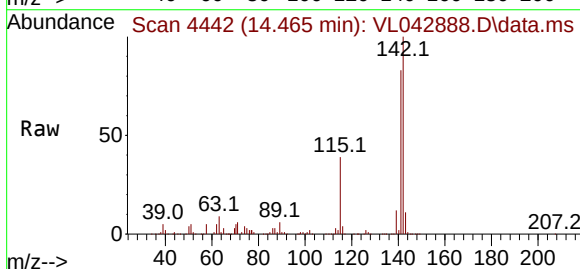
Tgt Ion:142 Resp: 141188

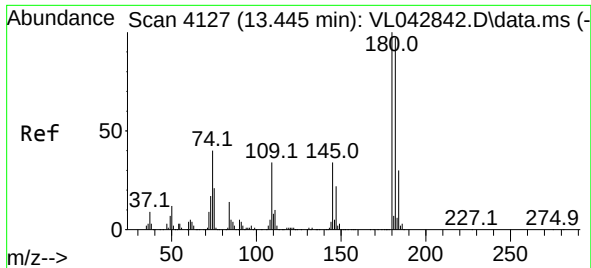
Ion Ratio Lower Upper

142 100

141 84.1 67.0 100.6

115 42.2 30.9 46.3





#81

1,2,4-Trichlorobenzene

Concen: 9.877 ppbv

RT: 13.448 min Scan# 41

Delta R.T. 0.003 min

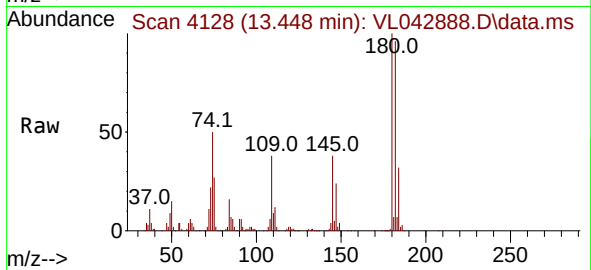
Lab File: VL042888.D

Acq: 04 Sep 2025 12:21

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion:180 Resp: 216348

Ion Ratio Lower Upper

180 100

182 95.6 76.9 115.3

184 30.0 24.5 36.7

