

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091725\
 Data File : VL042933.D
 Acq On : 17 Sep 2025 12:32
 Operator : SY/MD
 Sample : VSTDIC0.1
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Sep 18 02:30:14 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Sep 18 02:25:28 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.787	49	155710	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	390094	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	326535	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	245820	9.631	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.300%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.557	85	1772	0.080	ppbv	97
3) Chlorodifluoromethane	1.476	51	2432	0.104	ppbv #	90
4) Chloromethane	1.538	50	1020	0.114	ppbv	92
5) Vinyl Chloride	1.583	62	912	0.108	ppbv	92
6) Bromomethane	1.670	94	310	0.106	ppbv #	60
7) Chloroethane	1.703	64	427	0.137	ppbv #	57
8) Dichlorotetrafluoroethane	1.557	85	1772	0.100	ppbv	92
9) Propene	1.486	41	816	0.095	ppbv	94
10) Heptane	4.985	43	913	0.043	ppbv #	50
11) Trichlorofluoromethane	1.593	101	49	0.002	ppbv	93
12) 1,1,2-Trichlorotrifluo...	2.143	101	2039	0.119	ppbv	99
13) Ethanol	1.891	45	1415	1.623	ppbv #	34
14) Bromoethene	1.784	108	939	0.154	ppbv #	50
15) Acetone	1.839	43	3633	0.190	ppbv	90
16) 1,3-Butadiene	1.612	39	935	0.117	ppbv	98
17) tert-Butyl alcohol	2.043	59	1258	0.068	ppbv	98
18) 1,1-Dichloroethene	2.033	96	734	0.098	ppbv	93
19) Isopropyl Alcohol	1.891	45	1415	0.138	ppbv #	1
20) Methylene Chloride	2.065	84	3162	0.380	ppbv #	69
21) Allyl Chloride	2.094	41	895	0.069	ppbv #	19
22) trans-1,2-Dichloroethene	2.033	96	734	0.086	ppbv	88
23) Vinyl Acetate	2.463	43	2534	0.114	ppbv #	87
24) 1,1-Dichloroethane	2.412	63	1235	0.073	ppbv #	86
25) Ethyl Acetate	2.826	43	784	0.019	ppbv #	75
26) Hexane	2.826	57	1478	0.084	ppbv #	90
27) Carbon Disulfide	2.153	76	2513	0.116	ppbv #	1
28) Methyl tert-Butyl Ether	2.450	73	1129	0.117	ppbv	93
29) Chloroform	2.852	83	3360	0.117	ppbv	96
30) Cyclohexane	3.862	84	700	0.053	ppbv #	44
31) cis-1,2-Dichloroethene	2.719	61	1593	0.093	ppbv	96
32) 1,1,1-Trichloroethane	3.376	97	949	0.035	ppbv #	1
34) 2-Butanone	2.564	43	2530	0.100	ppbv	96
35) Carbon Tetrachloride	3.765	117	1919	0.069	ppbv #	89
36) Benzene	3.664	78	2899	0.085	ppbv #	81
37) 1,2-Dichloroethane	3.218	62	1297	0.064	ppbv #	61
38) Trichloroethene	4.548	130	1369	0.089	ppbv #	83
39) 1,2-Dichloropropane	3.959	63	103962	7.562	ppbv #	22
40) 1,4-Dioxane	4.616	88	142	0.029	ppbv #	1
41) Tetrahydrofuran	3.065	42	589	0.047	ppbv #	63
42) Bromodichloromethane	4.486	83	1742	0.060	ppbv	93
43) Methyl Methacrylate	4.881	69	370	0.032	ppbv #	1
44) 2,2,4-Trimethylpentane	4.645	57	939	0.017	ppbv #	1
45) t-1,3-Dichloropropene	6.425	75	381	0.032	ppbv #	67

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091725\
 Data File : VL042933.D
 Acq On : 17 Sep 2025 12:32
 Operator : SY/MD
 Sample : VSTDIC0.1
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

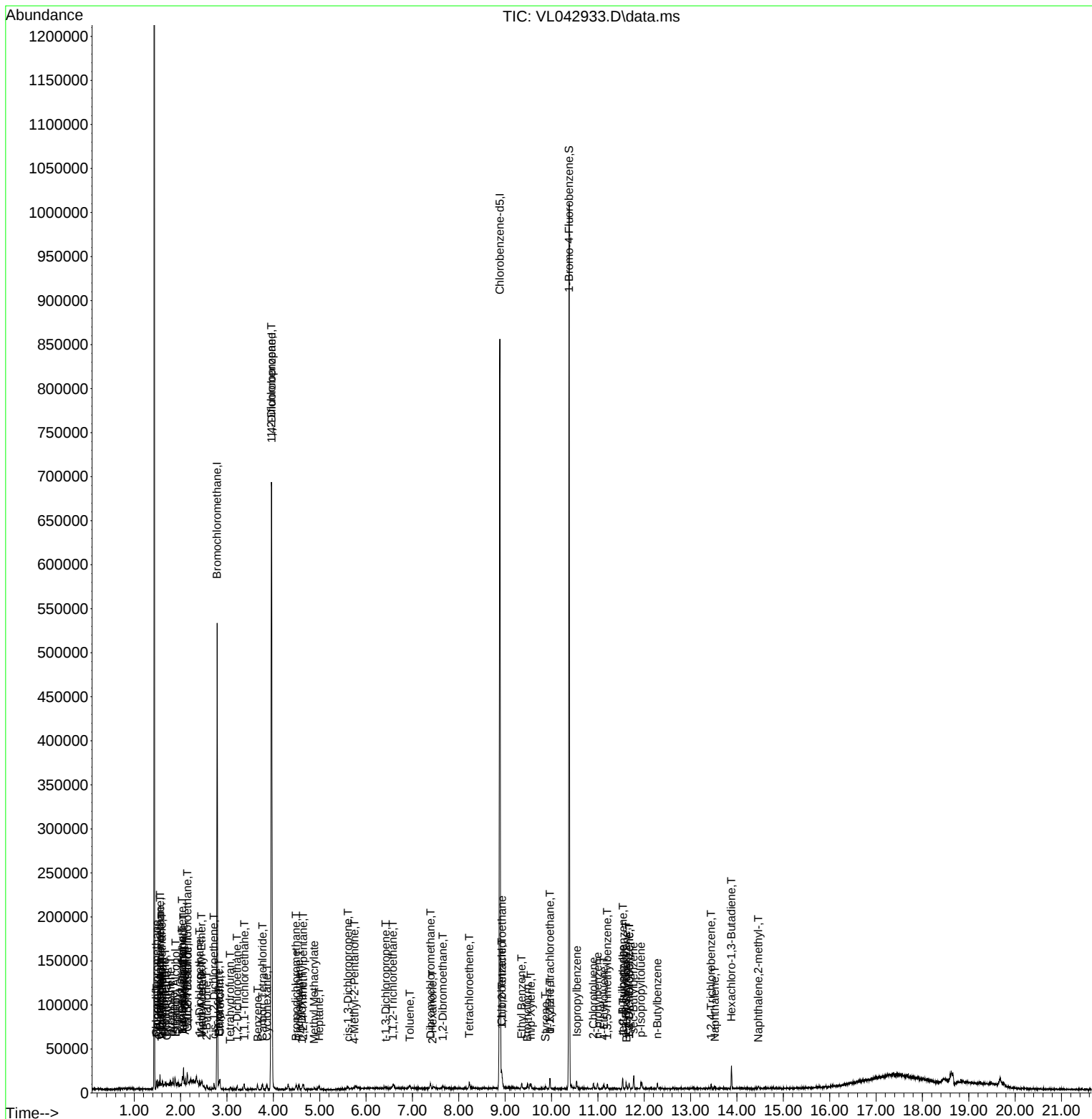
Instrument :
 MSVOA_L
 ClientSampleId :

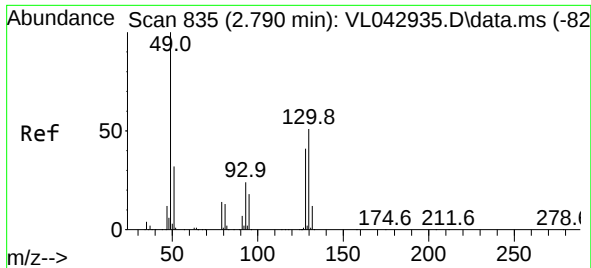
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 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Sep 18 02:25:28 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
46) cis-1,3-Dichloropropene	5.609	75	640	0.039	ppbv	#	77
47) 1,1,2-Trichloroethane	6.577	97	433	0.031	ppbv	#	28
48) Dibromochloromethane	7.390	129	1021	0.046	ppbv	#	3
49) Bromoform	9.477	173	475	0.028	ppbv	#	1
50) 4-Methyl-2-Pentanone	5.749	43	111	0.004	ppbv	#	40
51) 2-Hexanone	7.432	43	59	0.003	ppbv	#	31
52) Tetrachloroethene	8.225	164	630	0.060	ppbv	#	47
53) Toluene	6.943	91	1763	0.056	ppbv	#	67
54) 1,2-Dibromoethane	7.652	107	638	0.035	ppbv		84
56) 1,1,1,2-Tetrachloroethane	8.930	131	1578	0.095	ppbv	#	52
57) Chlorobenzene	8.924	112	2983	0.099	ppbv	#	83
58) Ethyl Benzene	9.354	91	2427	0.058	ppbv	#	78
59) m/p-Xylene	9.555	91	1873	0.053	ppbv	#	44
60) o-Xylene	9.966	91	1871	0.053	ppbv		92
61) Styrene	9.869	104	431	0.563	ppbv	#	29
62) Isopropylbenzene	10.545	105	3510	0.068	ppbv		94
63) 1,1,2,2-Tetrachloroethane	9.966	83	2335	0.091	ppbv		87
64) n-propylbenzene	10.992	120	502	0.038	ppbv	#	25
65) tert-Butylbenzene	11.529	119	1160	0.026	ppbv	#	33
66) Benzyl Chloride	11.620	91	82	0.020	ppbv	#	74
67) sec-Butylbenzene	11.769	105	2905	0.043	ppbv	#	90
69) p-Isopropyltoluene	11.927	119	1795	0.035	ppbv	#	88
70) n-Butylbenzene	12.283	91	1556	0.324	ppbv	#	70
71) 2-Chlorotoluene	10.905	91	2336	0.061	ppbv		89
72) 4-Ethyltoluene	11.131	105	2070	0.399	ppbv	#	92
73) 1,3,5-Trimethylbenzene	11.202	105	907	0.026	ppbv		93
74) 1,2,4-Trimethylbenzene	11.539	105	1576	0.038	ppbv	#	74
75) 1,3-Dichlorobenzene	11.607	146	1518	0.058	ppbv		93
76) 1,4-Dichlorobenzene	11.678	146	1377	0.055	ppbv		91
77) 1,2-Dichlorobenzene	11.678	146	1377	0.052	ppbv		89
78) Hexachloro-1,3-Butadiene	13.879	225	1812	0.108	ppbv	#	86
79) Naphthalene	13.520	128	1162	0.389	ppbv	#	87
80) Naphthalene,2-methyl-	14.458	142	944	0.823	ppbv		93
81) 1,2,4-Trichlorobenzene	13.442	180	536	0.450	ppbv	#	64

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

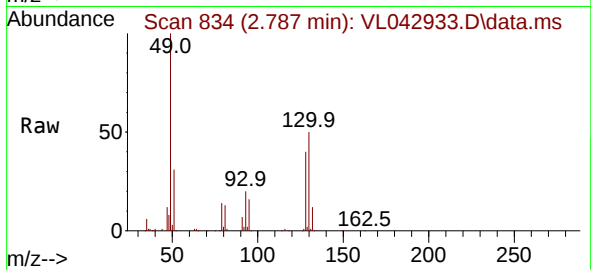
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QLast Update : Thu Sep 18 02:25:28 2025
Response via : Initial Calibration



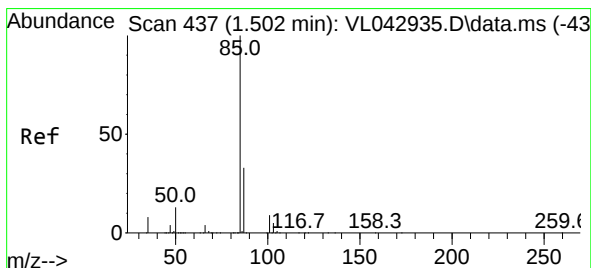
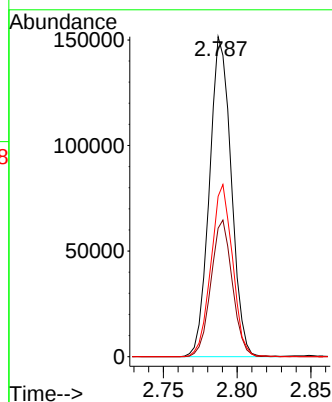
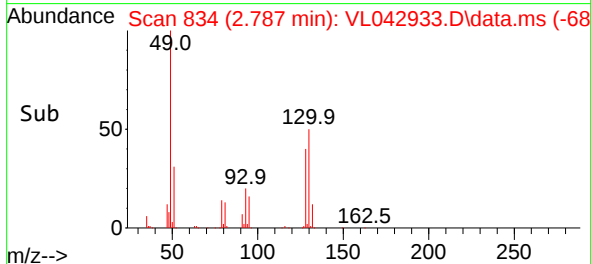


#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 2.787 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VL042933.D
 Acq: 17 Sep 2025 12:32

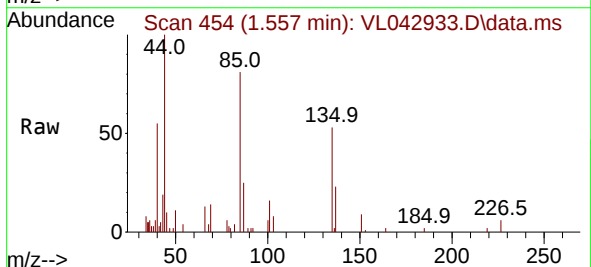
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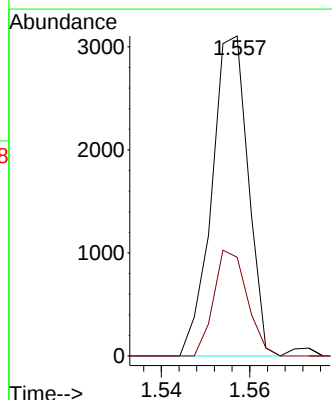
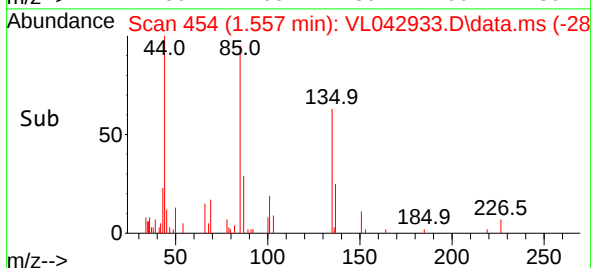
Tgt Ion: 49 Resp: 155710
 Ion Ratio Lower Upper
 49 100
 128 41.8 21.1 63.4
 130 53.2 26.4 79.2

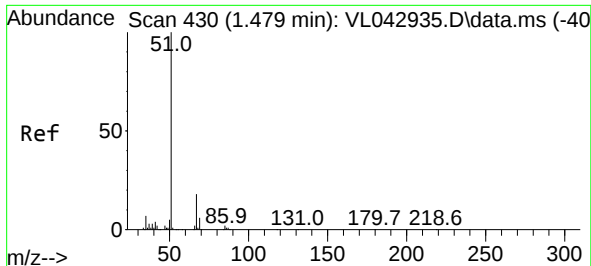


#2
 Dichlorodifluoromethane
 Concen: 0.080 ppbv
 RT: 1.557 min Scan# 454
 Delta R.T. 0.055 min
 Lab File: VL042933.D
 Acq: 17 Sep 2025 12:32



Tgt Ion: 85 Resp: 1772
 Ion Ratio Lower Upper
 85 100
 87 30.9 26.1 39.1

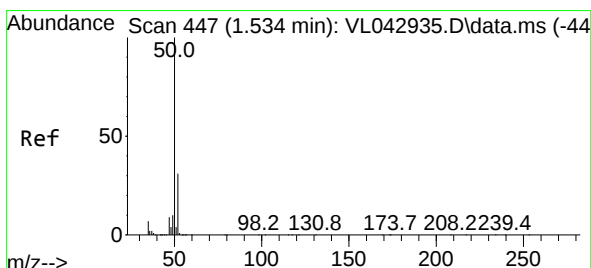
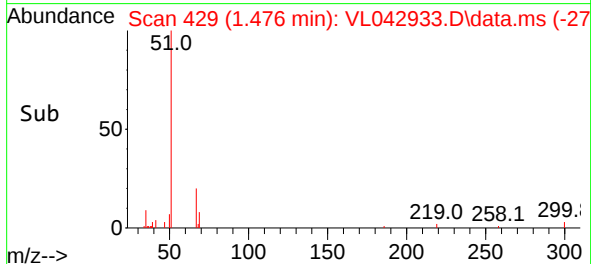
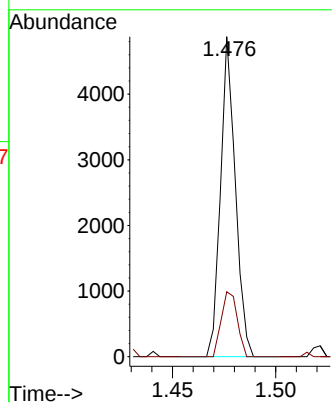
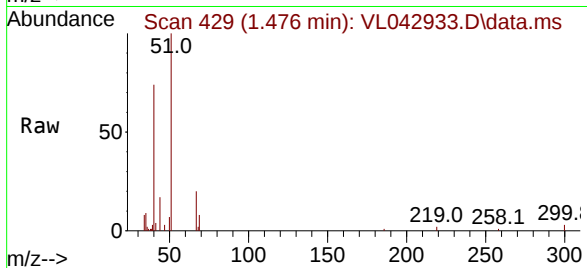




#3
Chlorodifluoromethane
Concen: 0.104 ppbv
RT: 1.476 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL042933.D
Acq: 17 Sep 2025 12:32

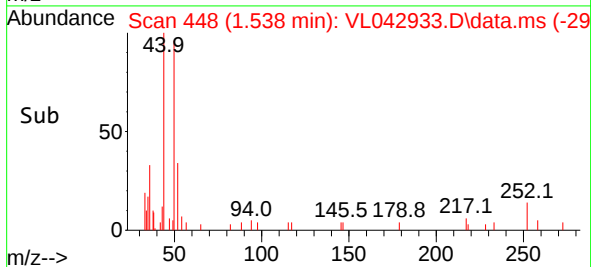
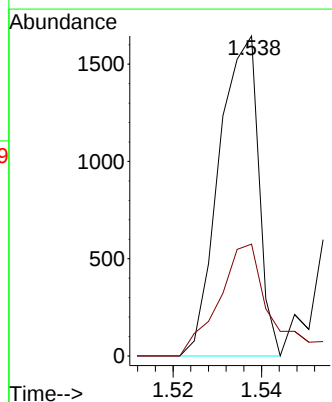
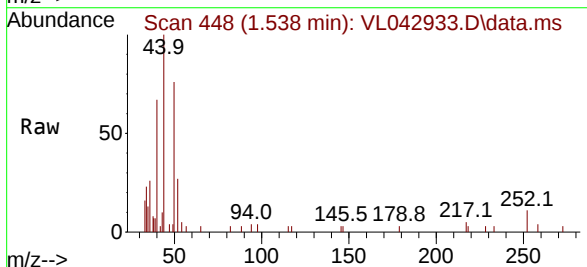
Instrument :
MSVOA_L
ClientSampleId :

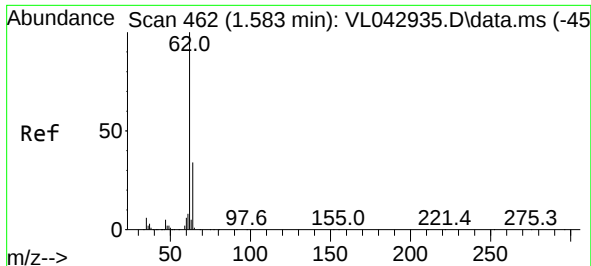
Tgt Ion: 51 Resp: 2432
Ion Ratio Lower Upper
51 100
67 21.8 14.1 21.1#



#4
Chloromethane
Concen: 0.114 ppbv
RT: 1.538 min Scan# 448
Delta R.T. 0.003 min
Lab File: VL042933.D
Acq: 17 Sep 2025 12:32

Tgt Ion: 50 Resp: 1020
Ion Ratio Lower Upper
50 100
52 35.0 24.6 36.8

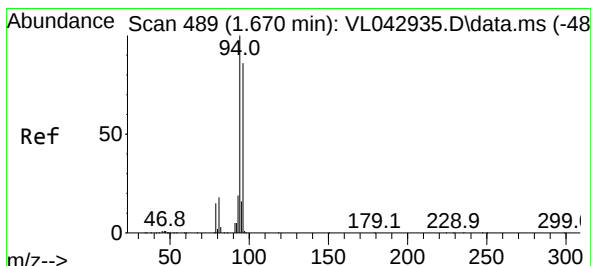
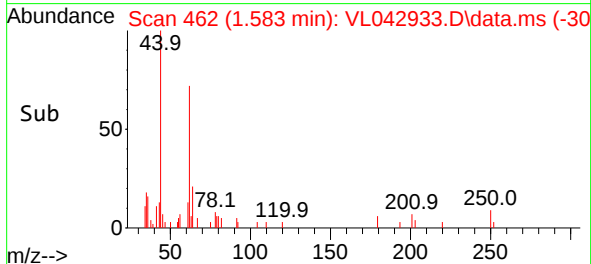
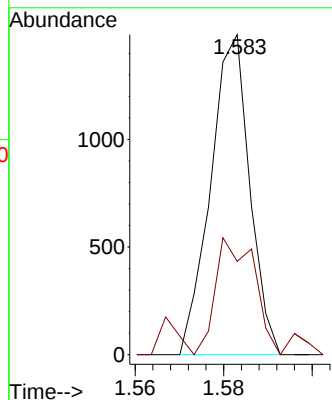
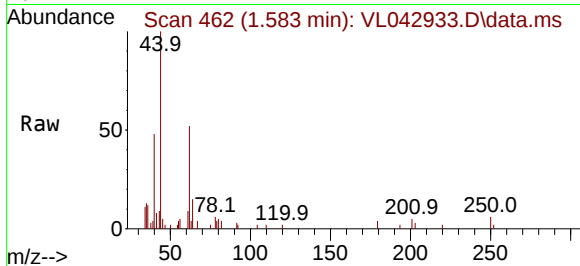




#5
 Vinyl Chloride
 Concen: 0.108 ppbv
 RT: 1.583 min Scan# 462
 Delta R.T. 0.000 min
 Lab File: VL042933.D
 Acq: 17 Sep 2025 12:32

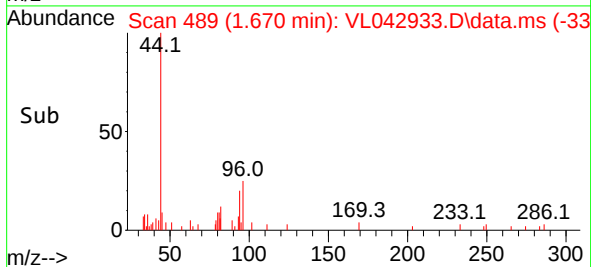
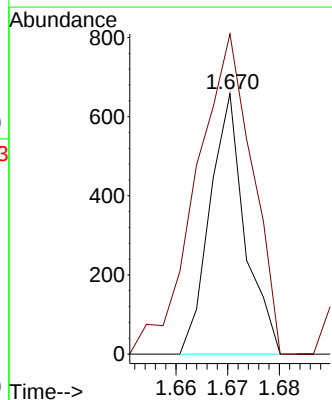
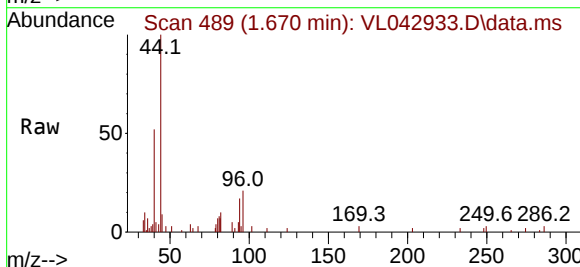
Instrument :
 MSVOA_1
 ClientSampleId :

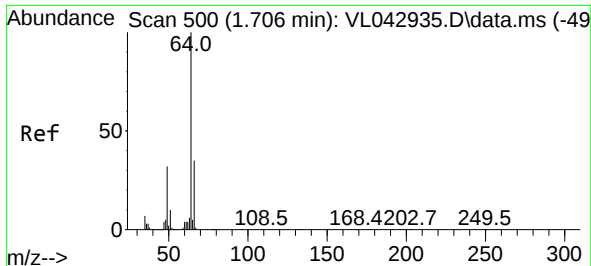
Tgt Ion: 62 Resp: 912
 Ion Ratio Lower Upper
 62 100
 64 29.1 27.0 40.6



#6
 Bromomethane
 Concen: 0.106 ppbv
 RT: 1.670 min Scan# 489
 Delta R.T. 0.000 min
 Lab File: VL042933.D
 Acq: 17 Sep 2025 12:32

Tgt Ion: 94 Resp: 310
 Ion Ratio Lower Upper
 94 100
 96 122.9 68.6 103.0#

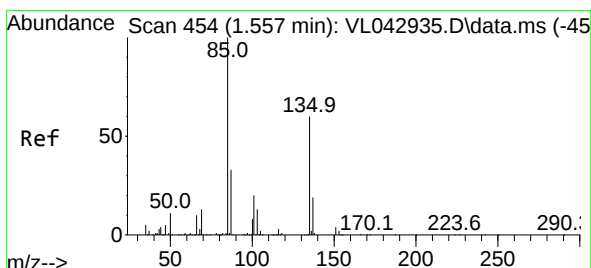
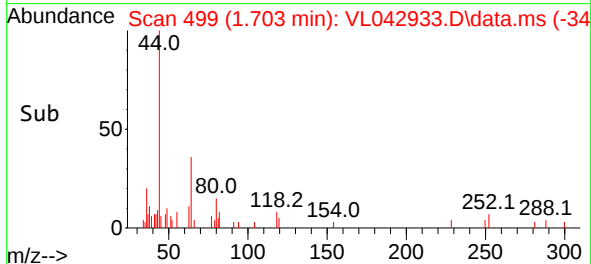
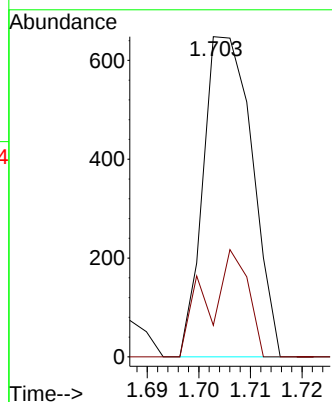
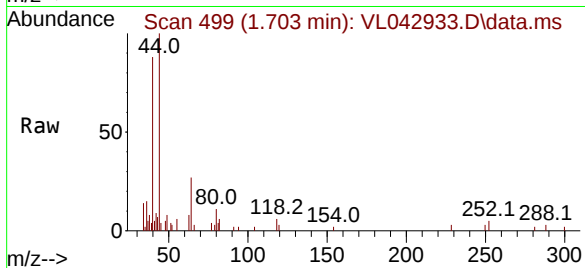




#7
Chloroethane
Concen: 0.137 ppbv
RT: 1.703 min Scan# 499
Delta R.T. -0.003 min
Lab File: VL042933.D
Acq: 17 Sep 2025 12:32

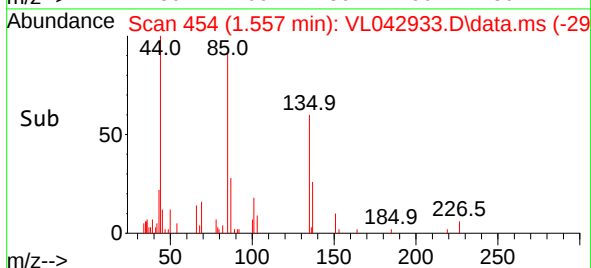
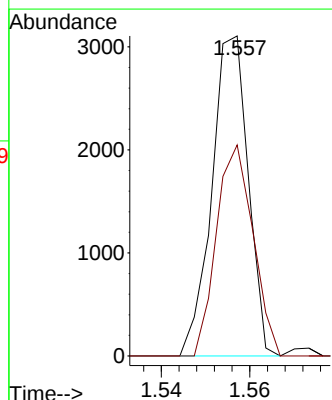
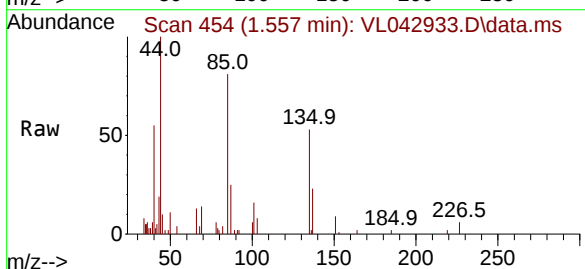
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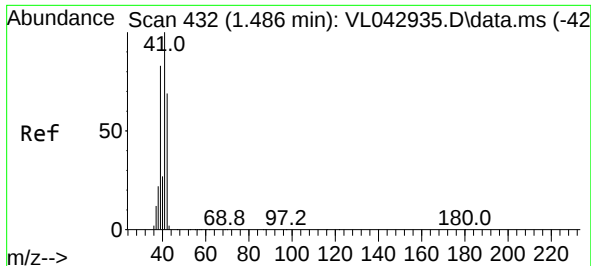
Tgt Ion: 64 Resp: 427
Ion Ratio Lower Upper
64 100
66 9.9 27.9 41.9#



#8
Dichlorotetrafluoroethane
Concen: 0.100 ppbv
RT: 1.557 min Scan# 454
Delta R.T. 0.000 min
Lab File: VL042933.D
Acq: 17 Sep 2025 12:32

Tgt Ion: 85 Resp: 1772
Ion Ratio Lower Upper
85 100
135 66.4 48.1 72.1





#9

Propene

Concen: 0.095 ppbv

RT: 1.486 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL042933.D

Acq: 17 Sep 2025 12:32

Instrument :

MSVOA_L

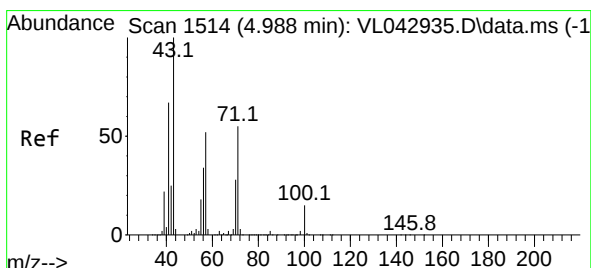
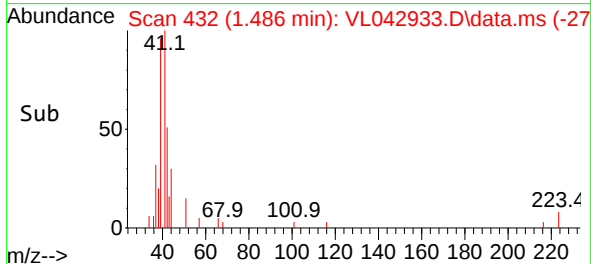
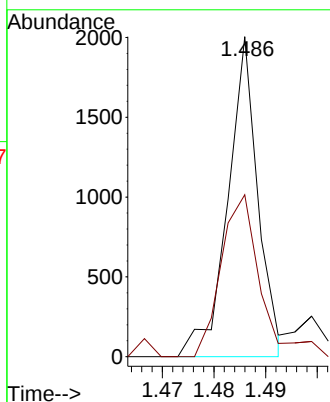
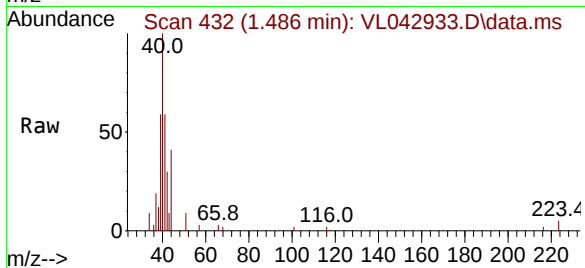
ClientSampleId :

Tgt Ion: 41 Resp: 816

Ion Ratio Lower Upper

41 100

42 73.7 55.0 82.4



#10

Heptane

Concen: 0.043 ppbv

RT: 4.985 min Scan# 1513

Delta R.T. -0.003 min

Lab File: VL042933.D

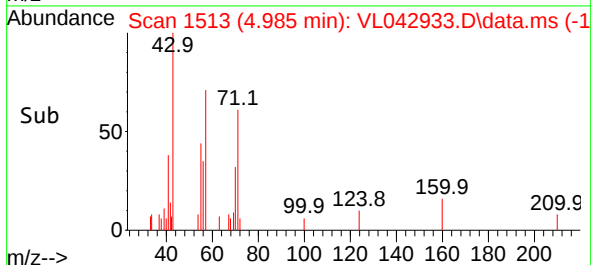
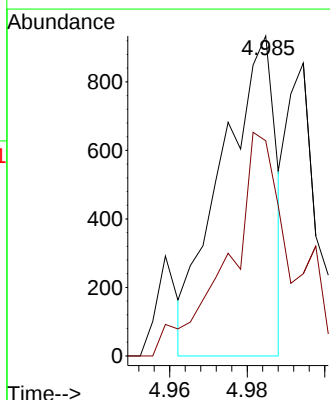
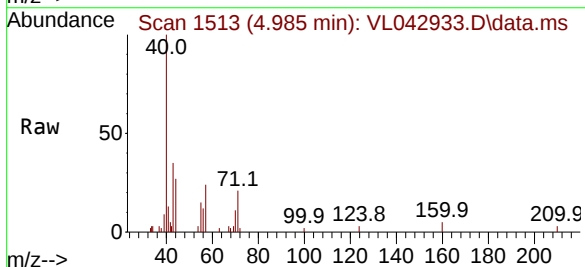
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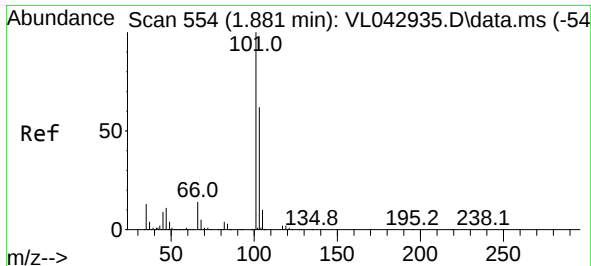
Tgt Ion: 43 Resp: 913

Ion Ratio Lower Upper

43 100

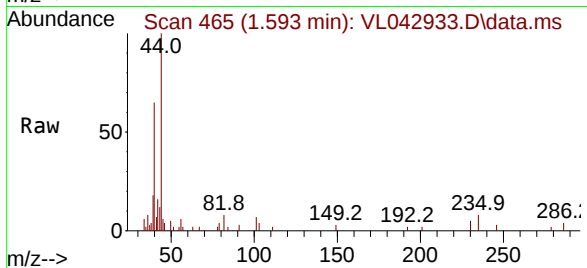
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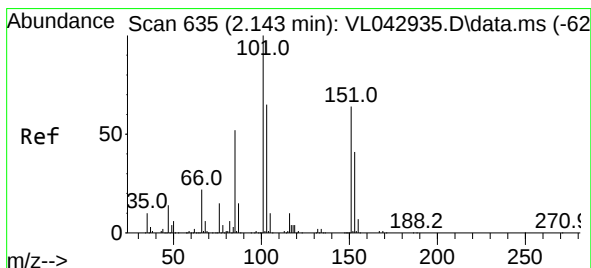
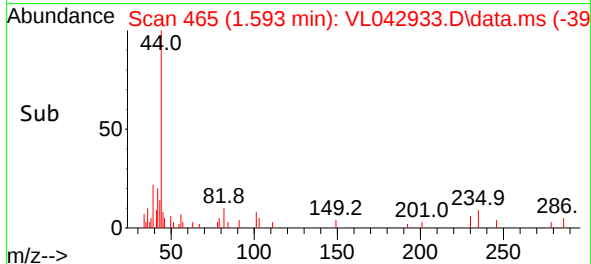
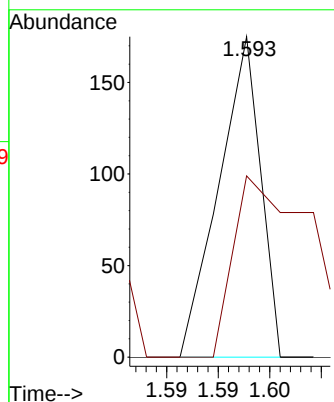


#11
 Trichlorofluoromethane
 Concen: 0.002 ppbv
 RT: 1.593 min Scan# 41
 Delta R.T. -0.288 min
 Lab File: VL042933.D
 Acq: 17 Sep 2025 12:32

Instrument :
 MSVOA_L
 ClientSampleId :

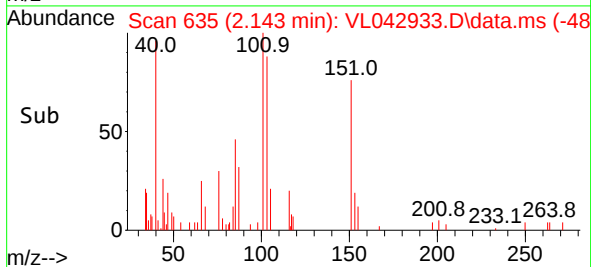
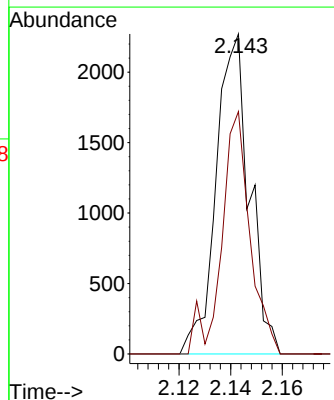
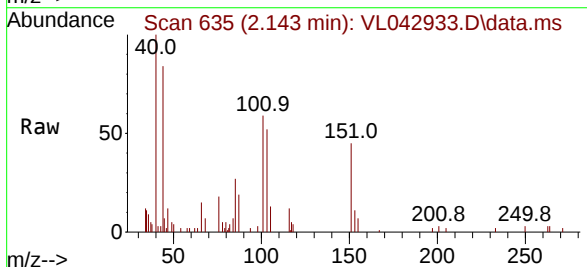


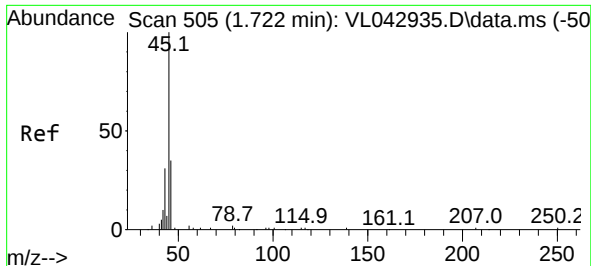
Tgt Ion:101 Resp: 49
 Ion Ratio Lower Upper
 101 100
 103 56.6 49.6 74.4



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.119 ppbv
 RT: 2.143 min Scan# 635
 Delta R.T. 0.000 min
 Lab File: VL042933.D
 Acq: 17 Sep 2025 12:32

Tgt Ion:101 Resp: 2039
 Ion Ratio Lower Upper
 101 100
 151 64.4 51.9 77.9





#13

Ethanol

Concen: 1.623 ppbv

RT: 1.891 min Scan# 505

Delta R.T. 0.169 min

Lab File: VL042933.D

Acq: 17 Sep 2025 12:32

Instrument :

MSVOA_L

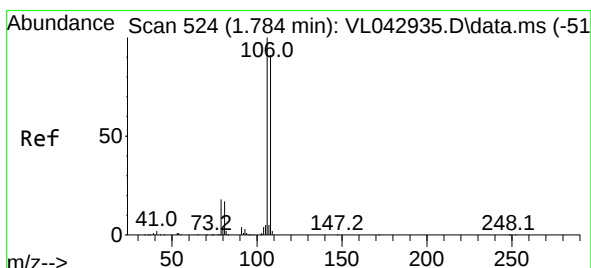
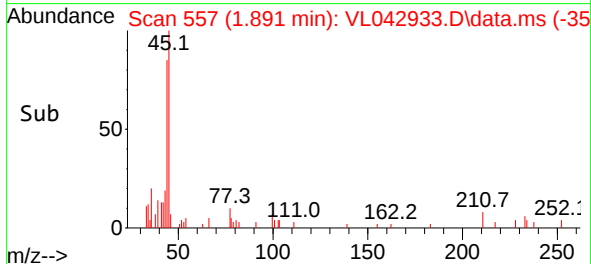
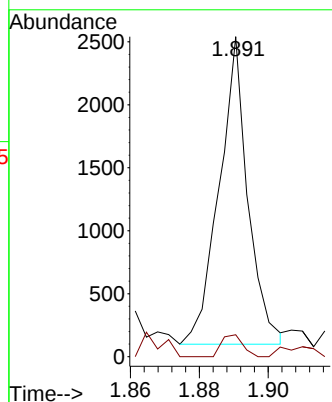
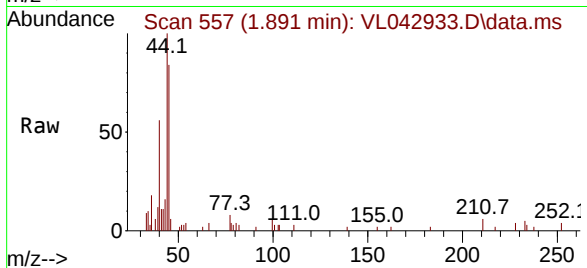
ClientSampleId :

Tgt Ion: 45 Resp: 1415

Ion Ratio Lower Upper

45 100

46 0.0 16.5 66.1#



#14

Bromoethene

Concen: 0.154 ppbv

RT: 1.784 min Scan# 524

Delta R.T. 0.000 min

Lab File: VL042933.D

Acq: 17 Sep 2025 12:32

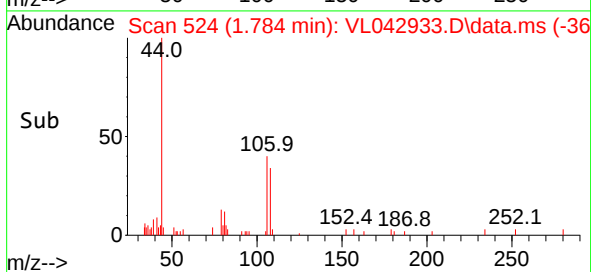
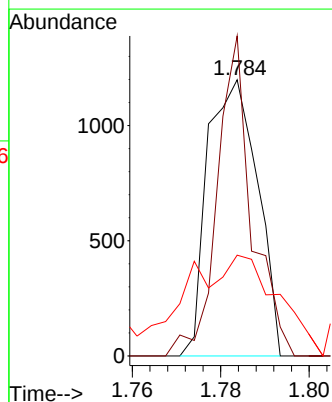
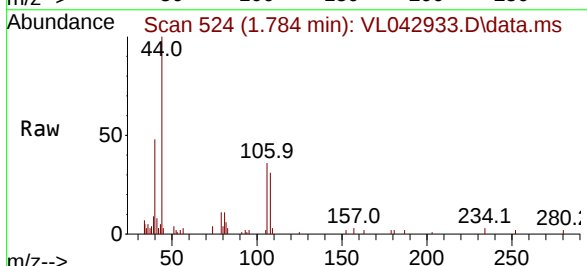
Tgt Ion: 108 Resp: 939

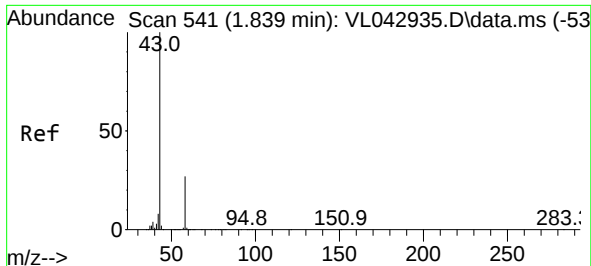
Ion Ratio Lower Upper

108 100

106 80.2 86.0 129.0#

79 100.2 17.2 25.8#

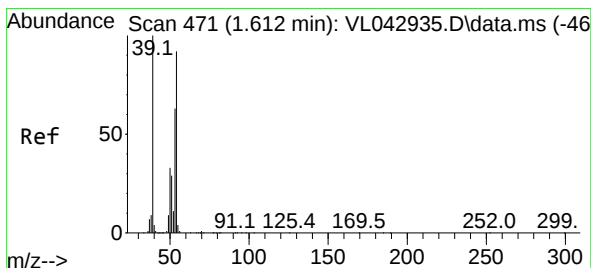
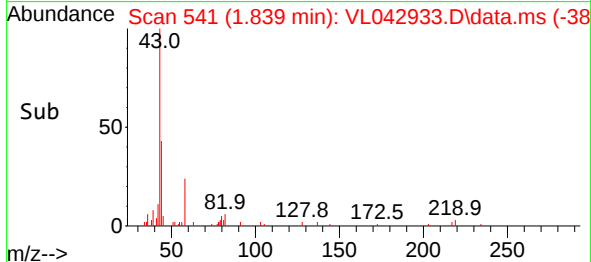
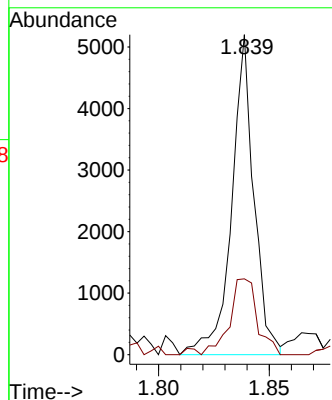
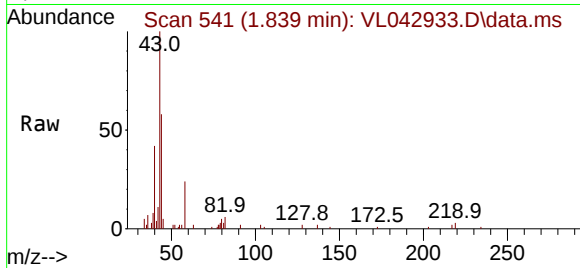




#15
Acetone
Concen: 0.190 ppbv
RT: 1.839 min Scan# 541
Delta R.T. 0.000 min
Lab File: VL042933.D
Acq: 17 Sep 2025 12:32

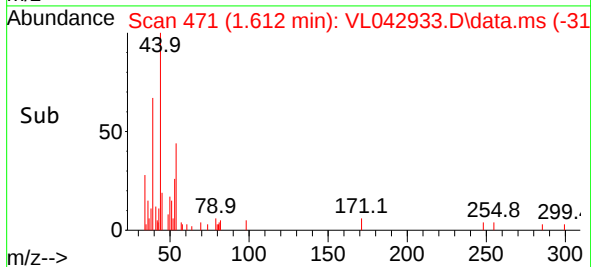
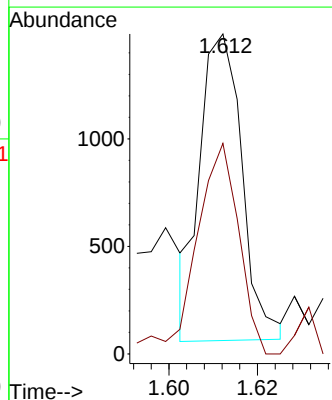
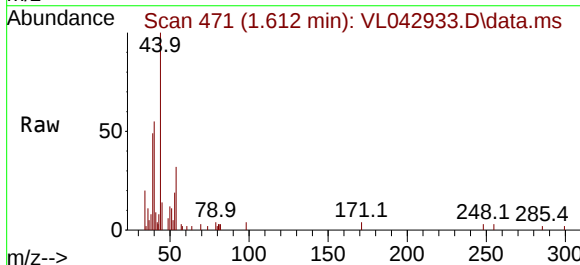
Instrument :
MSVOA_L
ClientSampleId :

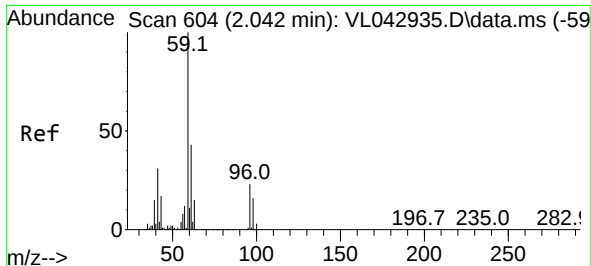
Tgt Ion: 43 Resp: 3633
Ion Ratio Lower Upper
43 100
58 33.1 22.2 33.2



#16
1,3-Butadiene
Concen: 0.117 ppbv
RT: 1.612 min Scan# 471
Delta R.T. 0.000 min
Lab File: VL042933.D
Acq: 17 Sep 2025 12:32

Tgt Ion: 39 Resp: 935
Ion Ratio Lower Upper
39 100
54 76.5 62.2 93.4





#17

tert-Butyl alcohol

Concen: 0.068 ppbv

RT: 2.043 min Scan# 604

Delta R.T. 0.000 min

Lab File: VL042933.D

Acq: 17 Sep 2025 12:32

Instrument :

MSVOA_L

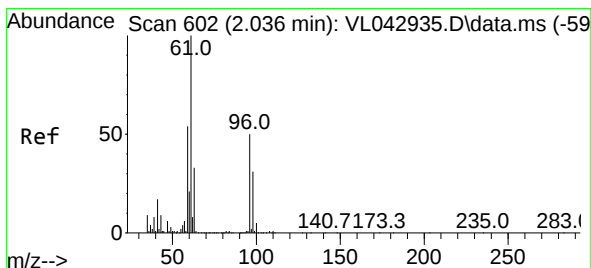
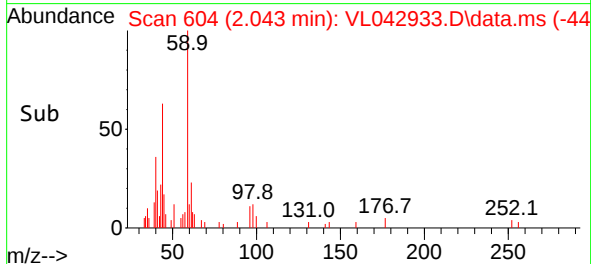
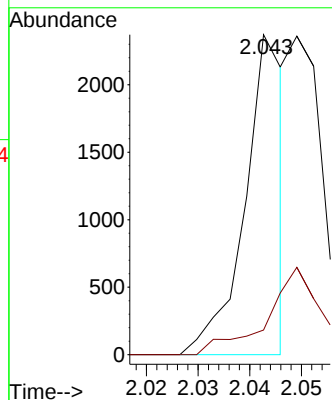
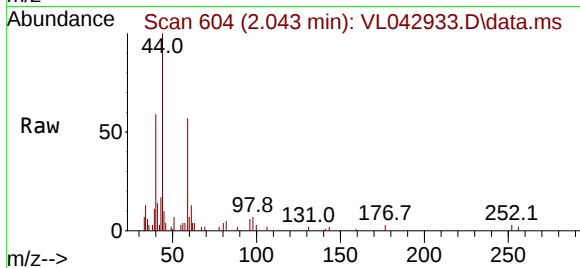
ClientSampleId :

Tgt Ion: 59 Resp: 1258

Ion Ratio Lower Upper

59 100

57 10.6 9.0 13.6



#18

1,1-Dichloroethene

Concen: 0.098 ppbv

RT: 2.033 min Scan# 601

Delta R.T. -0.003 min

Lab File: VL042933.D

Acq: 17 Sep 2025 12:32

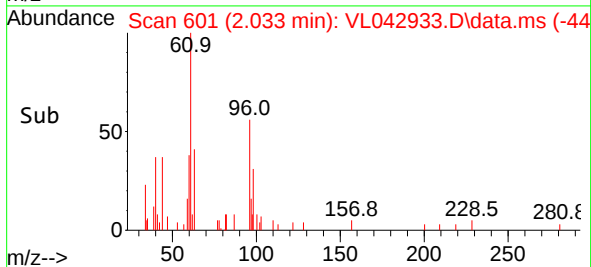
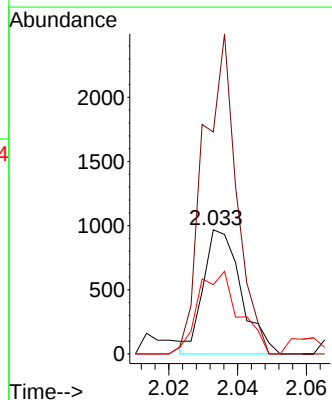
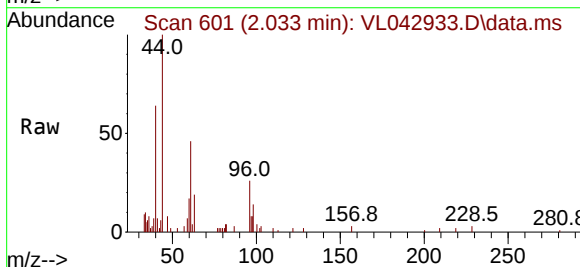
Tgt Ion: 96 Resp: 734

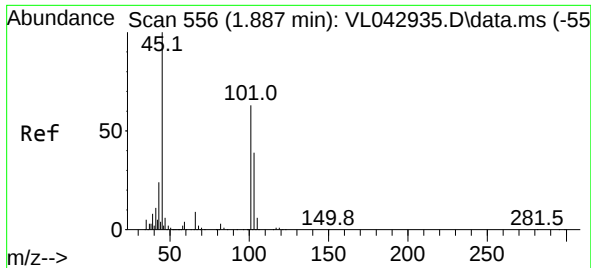
Ion Ratio Lower Upper

96 100

61 192.4 161.1 241.7

98 55.8 50.7 76.1

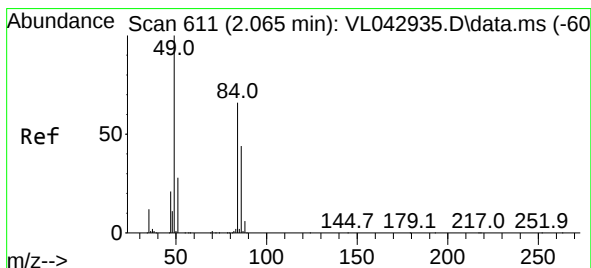
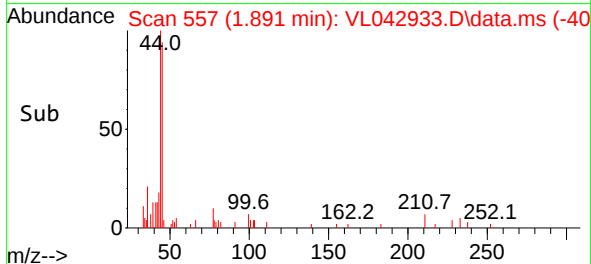
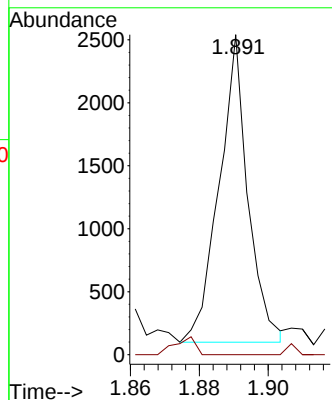
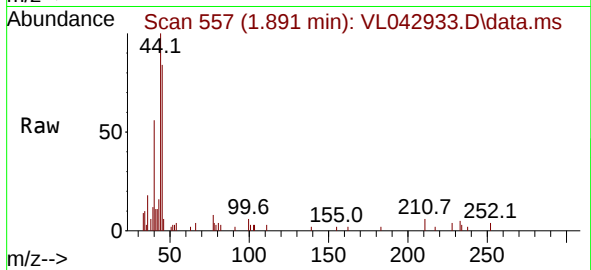




#19
Isopropyl Alcohol
Concen: 0.138 ppbv
RT: 1.891 min Scan# 556
Delta R.T. 0.003 min
Lab File: VL042933.D
Acq: 17 Sep 2025 12:32

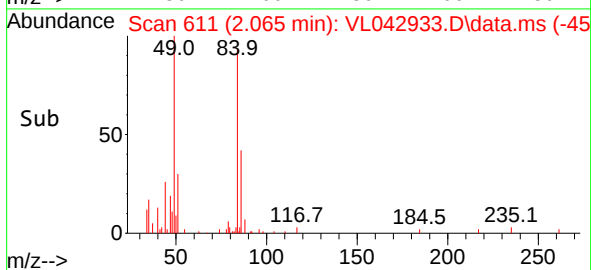
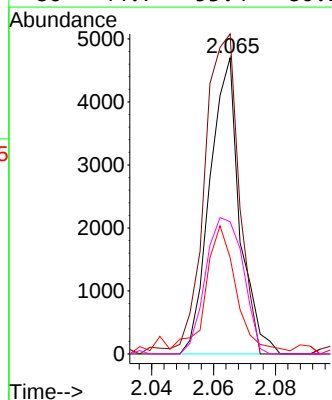
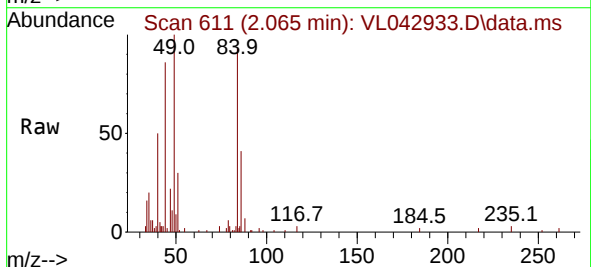
Instrument :
MSVOA_L
ClientSampleId :

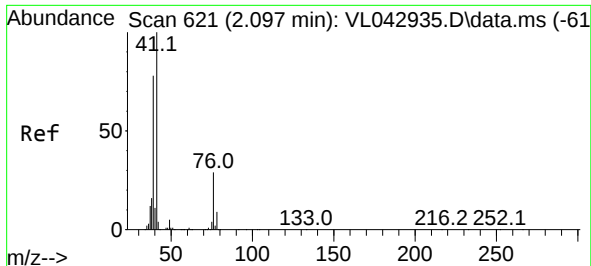
Tgt Ion: 45 Resp: 1415
Ion Ratio Lower Upper
45 100
58 85.0 2.0 3.0#



#20
Methylene Chloride
Concen: 0.380 ppbv
RT: 2.065 min Scan# 611
Delta R.T. 0.000 min
Lab File: VL042933.D
Acq: 17 Sep 2025 12:32

Tgt Ion: 84 Resp: 3162
Ion Ratio Lower Upper
84 100
49 108.0 121.8 182.6#
51 30.7 35.6 53.4#
86 44.7 53.4 80.2#

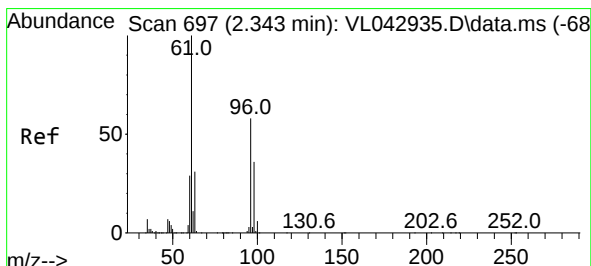
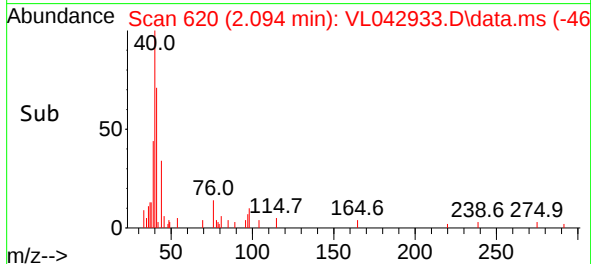
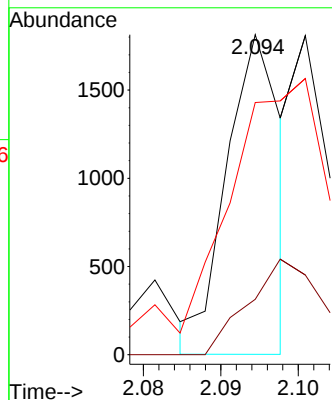
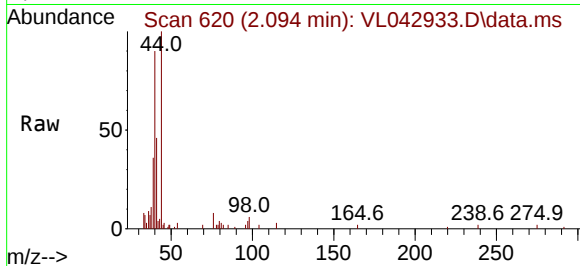




#21
 Allyl Chloride
 Concen: 0.069 ppbv
 RT: 2.094 min Scan# 61
 Delta R.T. -0.003 min
 Lab File: VL042933.D
 Acq: 17 Sep 2025 12:32

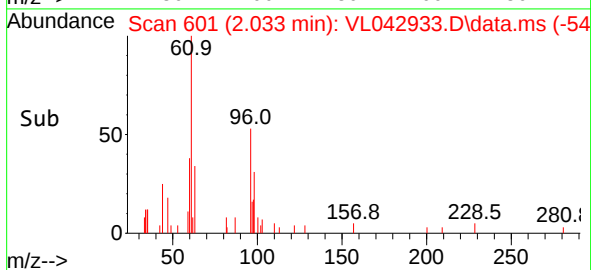
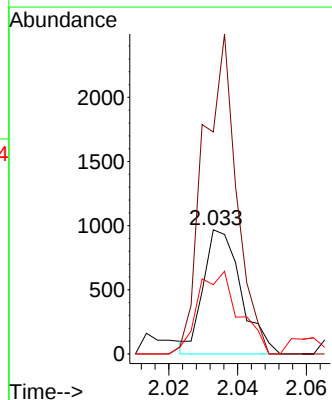
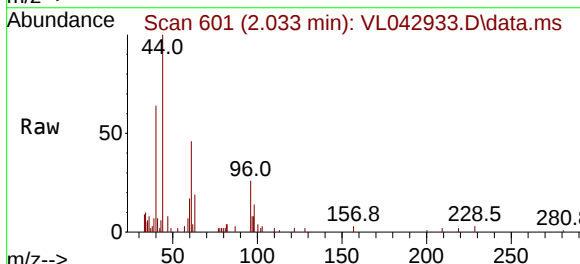
Instrument :
 MSVOA_L
 ClientSampleId :

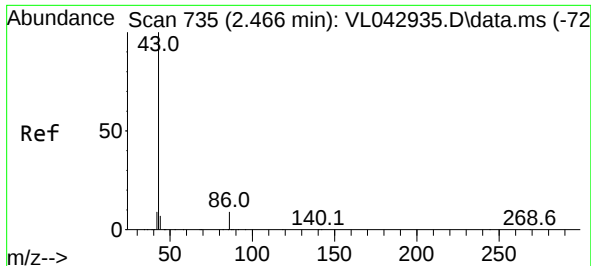
Tgt Ion: 41 Resp: 895
 Ion Ratio Lower Upper
 41 100
 76 0.0 23.8 35.6#
 39 0.0 63.2 94.8#



#22
 trans-1,2-Dichloroethene
 Concen: 0.086 ppbv
 RT: 2.033 min Scan# 601
 Delta R.T. -0.311 min
 Lab File: VL042933.D
 Acq: 17 Sep 2025 12:32

Tgt Ion: 96 Resp: 734
 Ion Ratio Lower Upper
 96 100
 61 192.4 139.0 208.6
 98 55.8 49.4 74.2

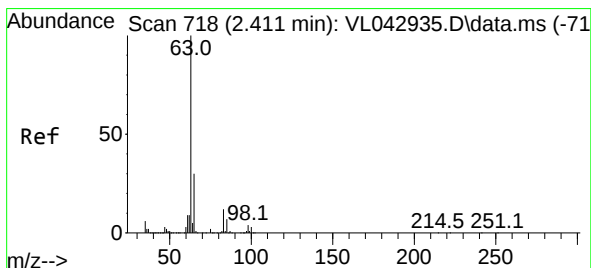
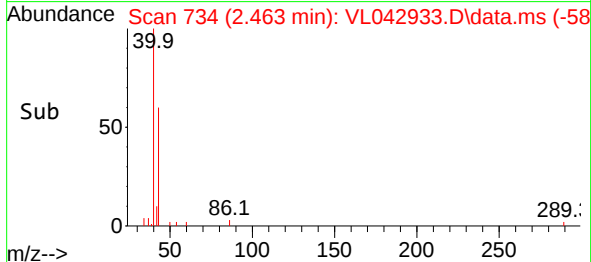
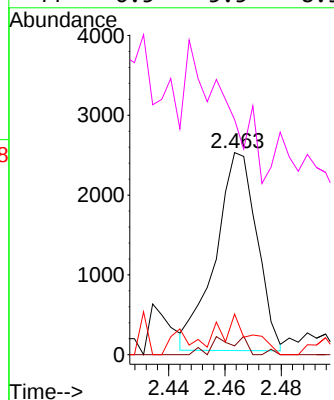
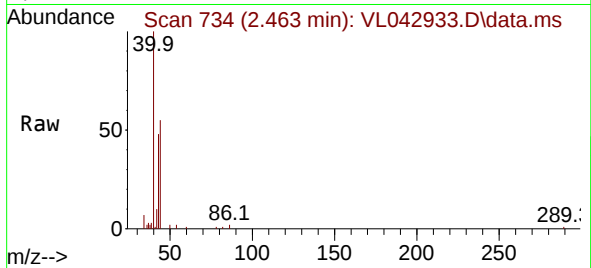




#23
 Vinyl Acetate
 Concen: 0.114 ppbv
 RT: 2.463 min Scan# 718
 Delta R.T. -0.003 min
 Lab File: VL042933.D
 Acq: 17 Sep 2025 12:32

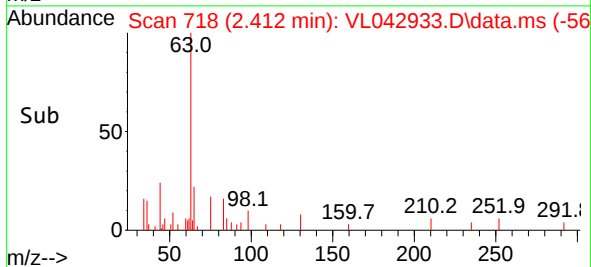
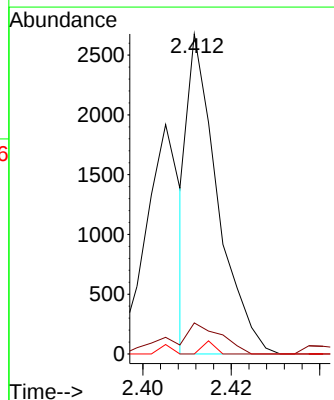
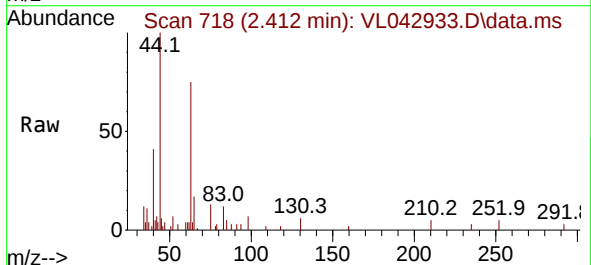
Instrument :
 MSVOA_L
 ClientSampleId :

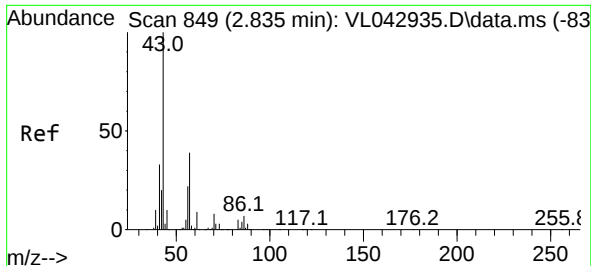
Tgt Ion:	43	Resp:	2534
Ion	Ratio	Lower	Upper
43	100		
86	4.6	6.4	9.6#
42	18.8	7.5	11.3#
44	6.5	5.5	8.3



#24
 1,1-Dichloroethane
 Concen: 0.073 ppbv
 RT: 2.412 min Scan# 718
 Delta R.T. 0.000 min
 Lab File: VL042933.D
 Acq: 17 Sep 2025 12:32

Tgt Ion:	63	Resp:	1235
Ion	Ratio	Lower	Upper
63	100		
98	9.7	2.2	6.6#
100	0.0	1.7	5.1#





#25

Ethyl Acetate

Concen: 0.019 ppbv

RT: 2.826 min Scan# 846

Delta R.T. -0.010 min

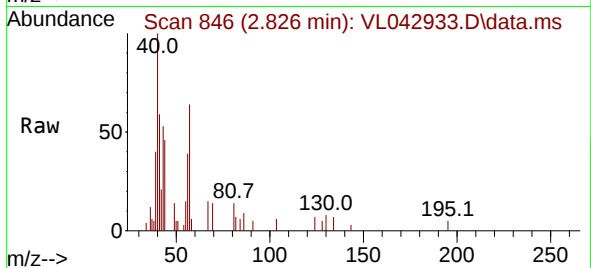
Lab File: VL042933.D

Acq: 17 Sep 2025 12:32

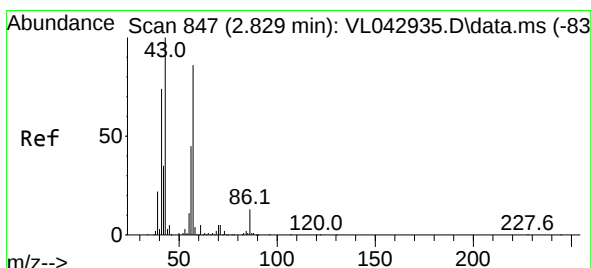
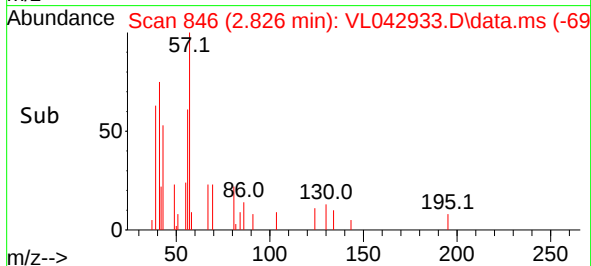
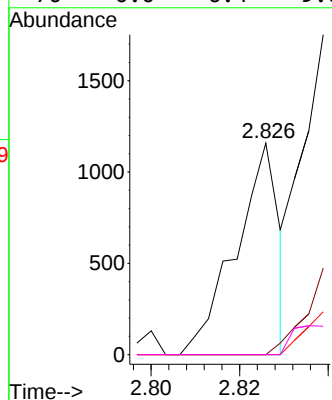
Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion:	43	Resp:	784
Ion	Ratio	Lower	Upper
43	100		
45	0.0	7.8	11.8#
61	0.0	7.2	10.8#
70	0.0	6.4	9.6#



#26

Hexane

Concen: 0.084 ppbv

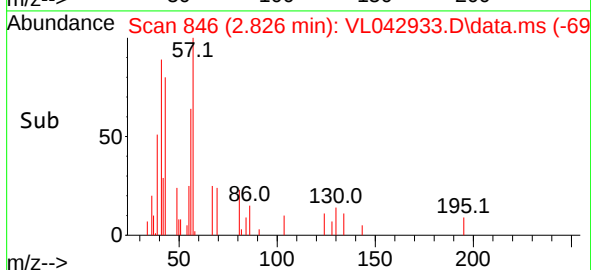
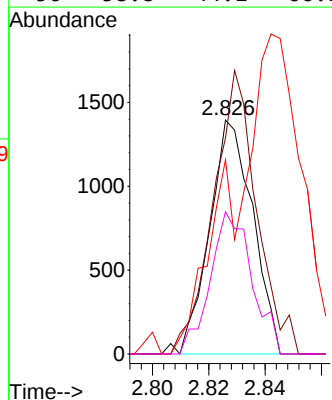
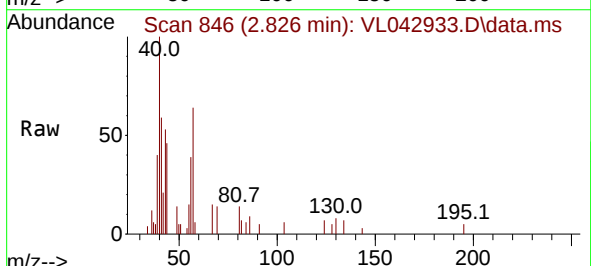
RT: 2.826 min Scan# 846

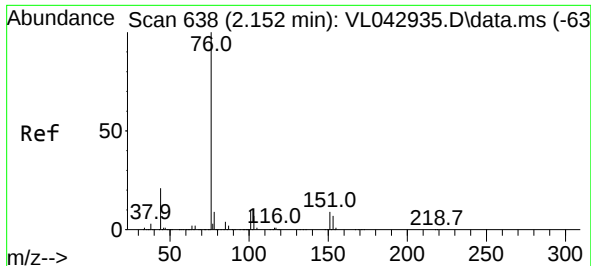
Delta R.T. -0.003 min

Lab File: VL042933.D

Acq: 17 Sep 2025 12:32

Tgt Ion:	57	Resp:	1478
Ion	Ratio	Lower	Upper
57	100		
41	122.9	71.3	106.9#
43	227.9	183.9	275.9
56	58.8	44.1	66.1

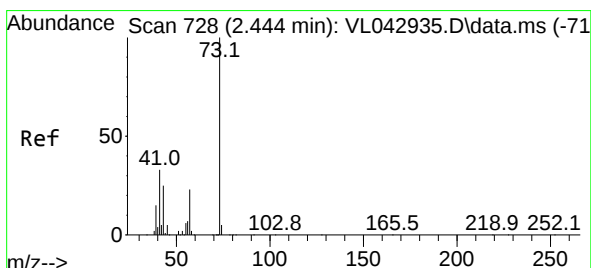
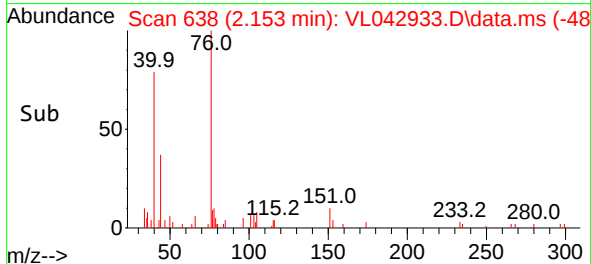
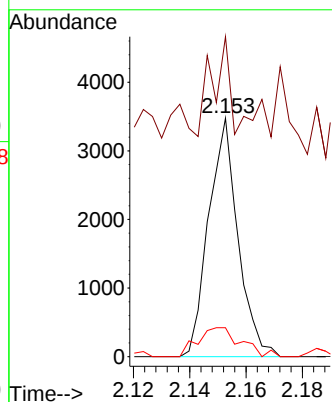
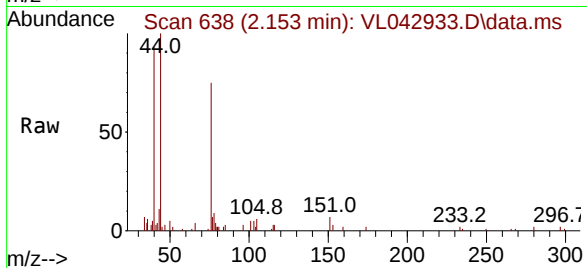




#27
Carbon Disulfide
Concen: 0.116 ppbv
RT: 2.153 min Scan# 61
Delta R.T. 0.000 min
Lab File: VL042933.D
Acq: 17 Sep 2025 12:32

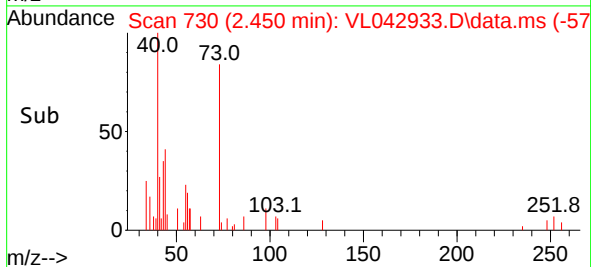
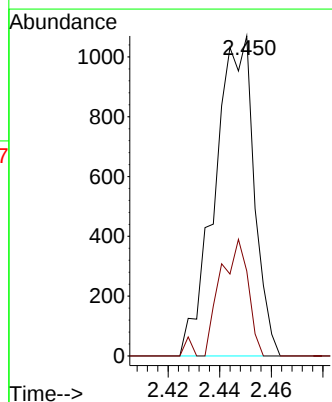
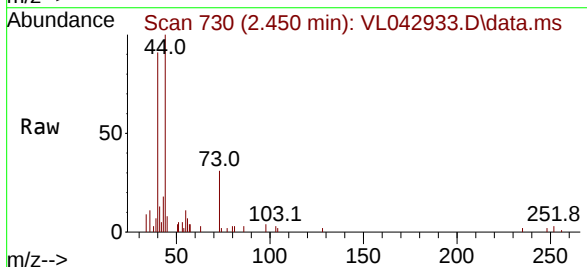
Instrument :
MSVOA_L
ClientSampleId :

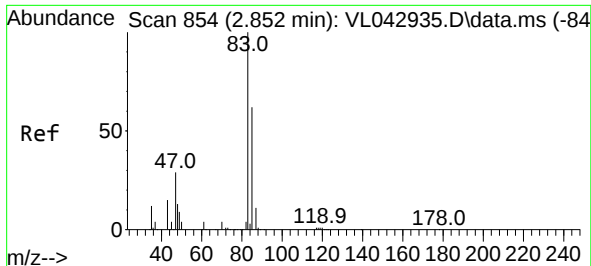
Tgt Ion: 76 Resp: 2513
Ion Ratio Lower Upper
76 100
44 257.1 15.4 23.0#
78 17.9 9.1 13.7#



#28
Methyl tert-Butyl Ether
Concen: 0.117 ppbv
RT: 2.450 min Scan# 730
Delta R.T. 0.007 min
Lab File: VL042933.D
Acq: 17 Sep 2025 12:32

Tgt Ion: 73 Resp: 1129
Ion Ratio Lower Upper
73 100
57 26.8 18.6 28.0





#29

Chloroform

Concen: 0.117 ppbv

RT: 2.852 min Scan# 854

Delta R.T. 0.000 min

Lab File: VL042933.D

Acq: 17 Sep 2025 12:32

Instrument :

MSVOA_L

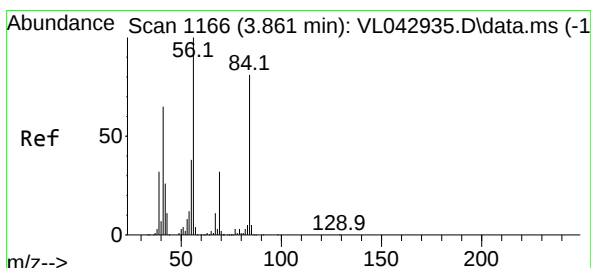
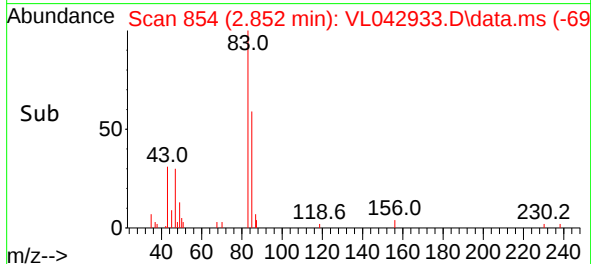
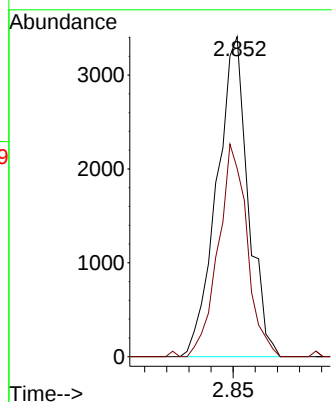
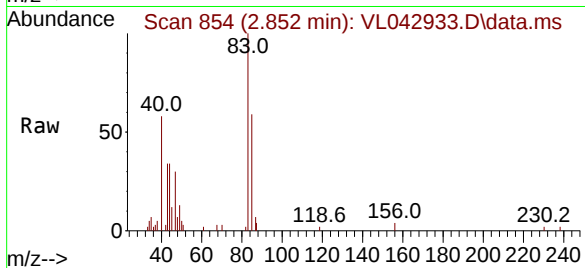
ClientSampleId :

Tgt Ion: 83 Resp: 3360

Ion Ratio Lower Upper

83 100

85 58.8 49.7 74.5



#30

Cyclohexane

Concen: 0.053 ppbv

RT: 3.862 min Scan# 1166

Delta R.T. 0.000 min

Lab File: VL042933.D

Acq: 17 Sep 2025 12:32

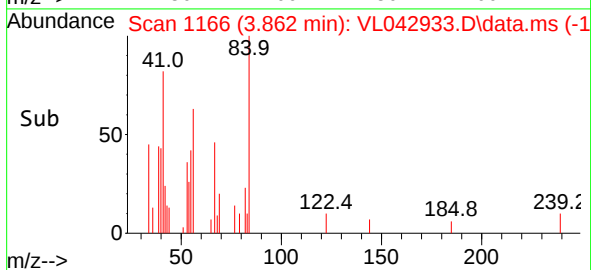
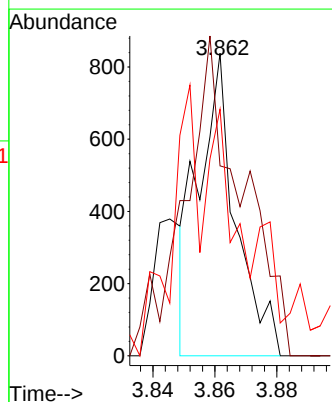
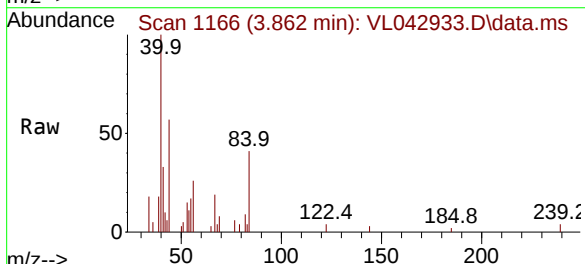
Tgt Ion: 84 Resp: 700

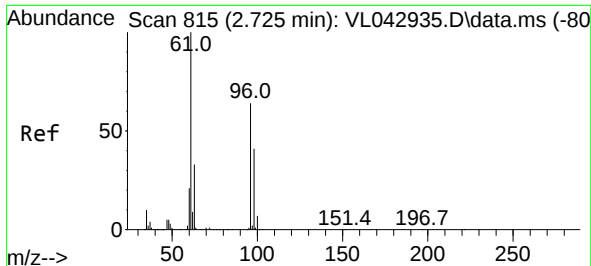
Ion Ratio Lower Upper

84 100

56 162.4 100.6 150.8#

41 164.0 65.4 98.0#

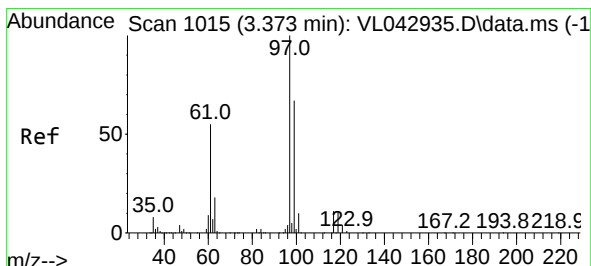
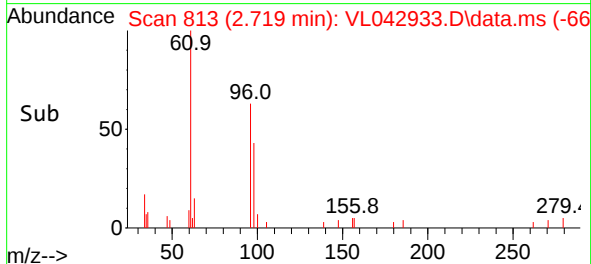
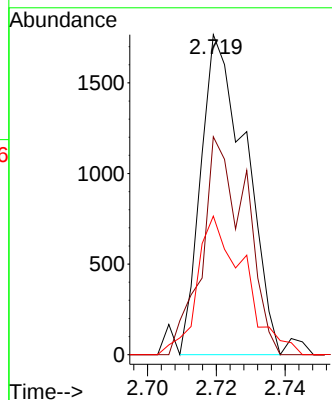
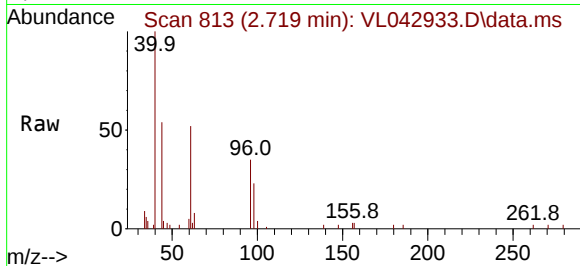




#31
 cis-1,2-Dichloroethene
 Concen: 0.093 ppbv
 RT: 2.719 min Scan# 815
 Delta R.T. -0.006 min
 Lab File: VL042933.D
 Acq: 17 Sep 2025 12:32

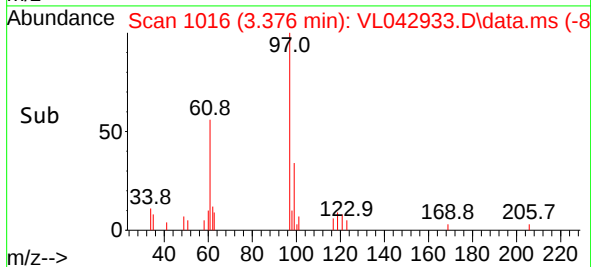
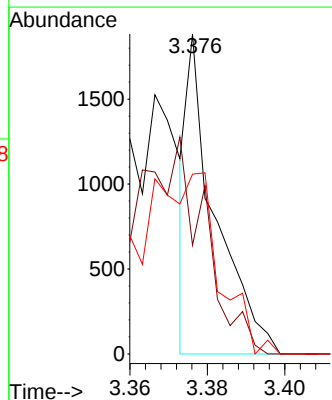
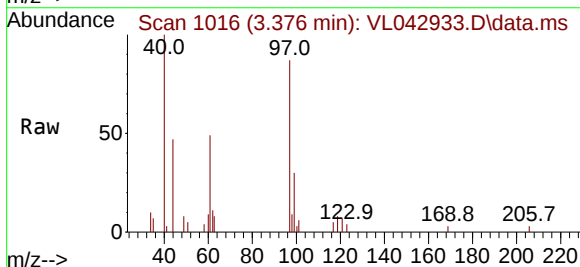
Instrument :
 MSVOA_L
 ClientSampleId :

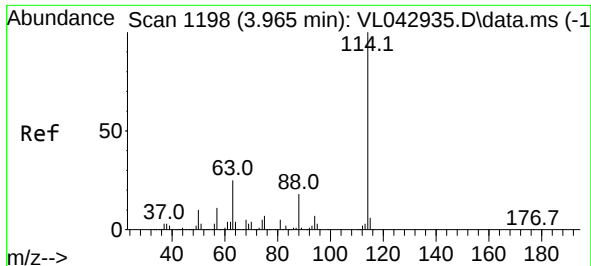
Tgt Ion: 61 Resp: 1593
 Ion Ratio Lower Upper
 61 100
 96 68.1 51.4 77.2
 98 38.9 32.8 49.2



#32
 1,1,1-Trichloroethane
 Concen: 0.035 ppbv
 RT: 3.376 min Scan# 1016
 Delta R.T. 0.003 min
 Lab File: VL042933.D
 Acq: 17 Sep 2025 12:32

Tgt Ion: 97 Resp: 949
 Ion Ratio Lower Upper
 97 100
 99 168.4 51.0 76.4#
 61 166.7 43.2 64.8#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.962 min Scan# 1197

Delta R.T. -0.003 min

Lab File: VL042933.D

Acq: 17 Sep 2025 12:32

Instrument :

MSVOA_L

ClientSampleId :

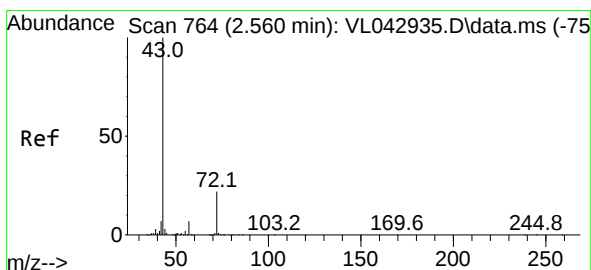
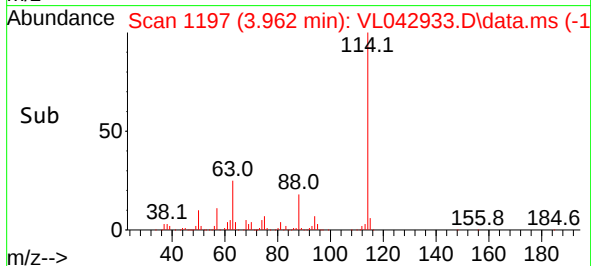
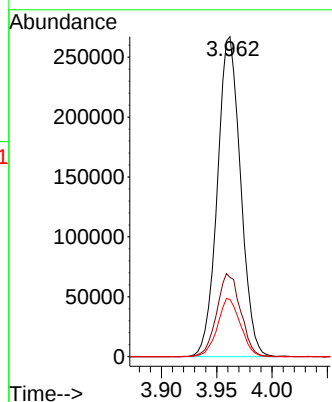
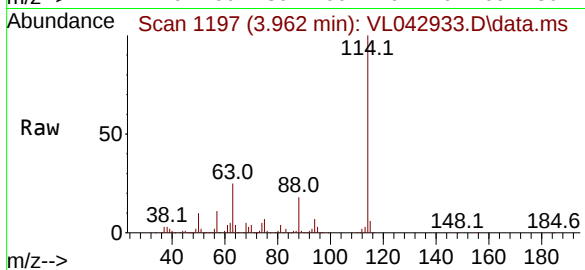
Tgt Ion:114 Resp: 390094

Ion Ratio Lower Upper

114 100

63 26.7 21.1 31.7

88 18.0 14.6 22.0



#34

2-Butanone

Concen: 0.100 ppbv

RT: 2.564 min Scan# 765

Delta R.T. 0.003 min

Lab File: VL042933.D

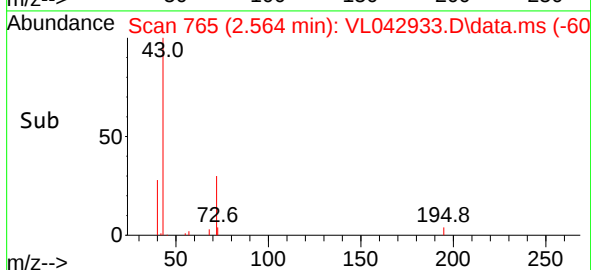
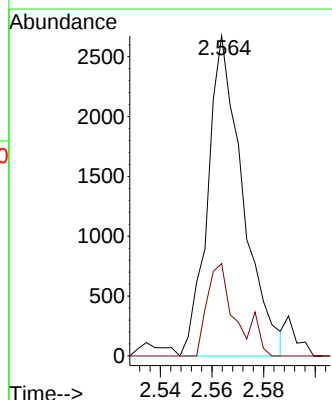
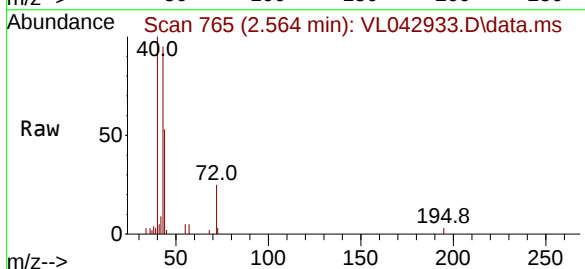
Acq: 17 Sep 2025 12:32

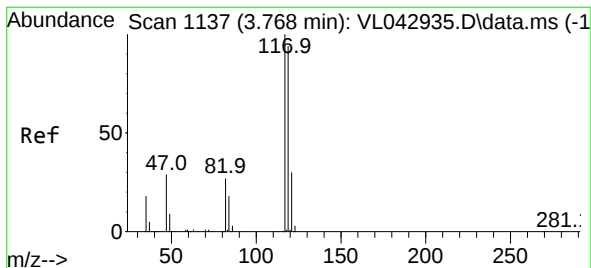
Tgt Ion: 43 Resp: 2530

Ion Ratio Lower Upper

43 100

72 23.6 17.2 25.8





#35

Carbon Tetrachloride

Concen: 0.069 ppbv

RT: 3.765 min Scan# 1136

Delta R.T. -0.003 min

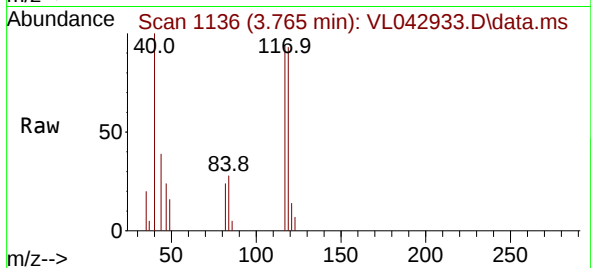
Lab File: VL042933.D

Acq: 17 Sep 2025 12:32

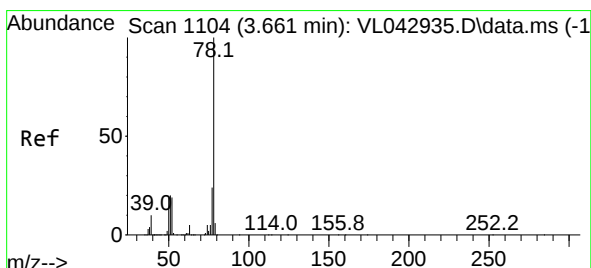
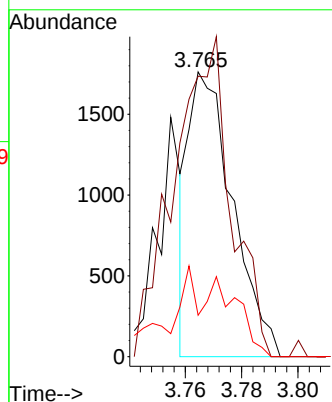
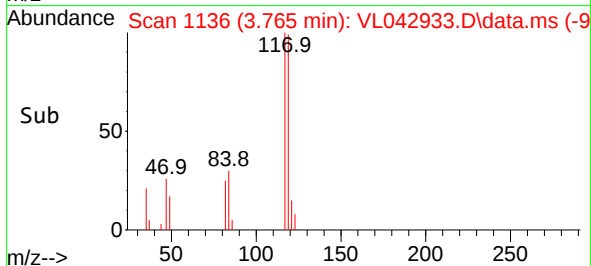
Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion:	117	Resp:	1919
Ion	Ratio	Lower	Upper
117	100		
119	98.5	74.9	112.3
121	14.6	24.0	36.0#



#36

Benzene

Concen: 0.085 ppbv

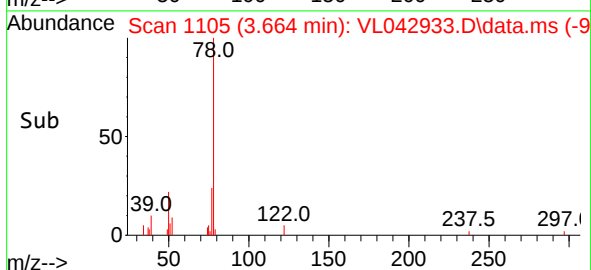
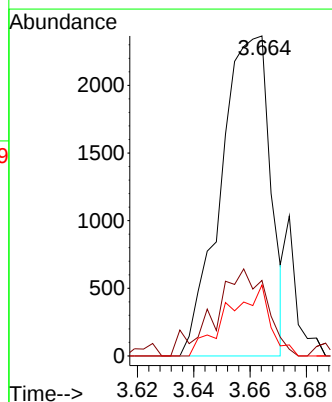
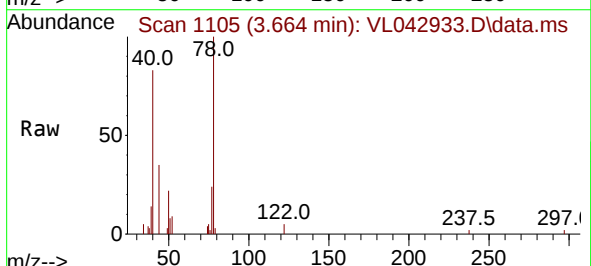
RT: 3.664 min Scan# 1105

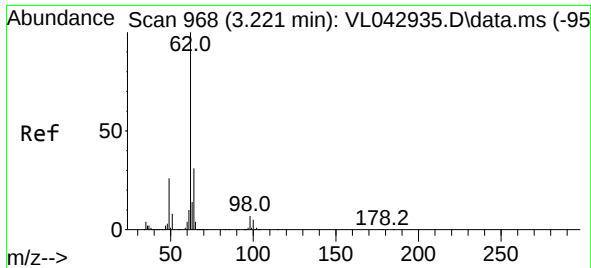
Delta R.T. 0.003 min

Lab File: VL042933.D

Acq: 17 Sep 2025 12:32

Tgt Ion:	78	Resp:	2899
Ion	Ratio	Lower	Upper
78	100		
77	17.7	19.2	28.8#
50	30.1	14.8	22.2#

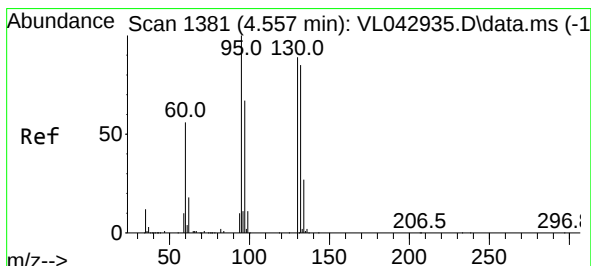
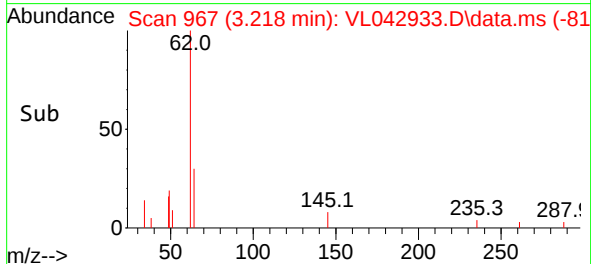
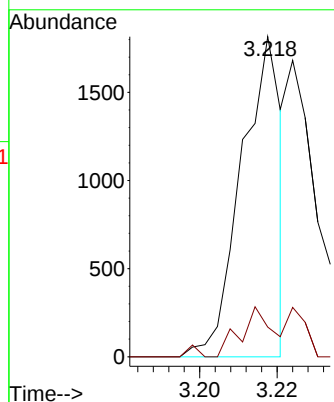
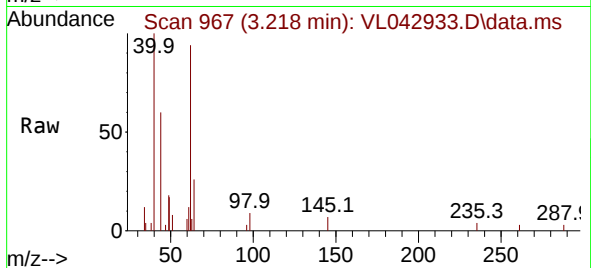




#37
1,2-Dichloroethane
Concen: 0.064 ppbv
RT: 3.218 min Scan# 91
Delta R.T. -0.003 min
Lab File: VL042933.D
Acq: 17 Sep 2025 12:32

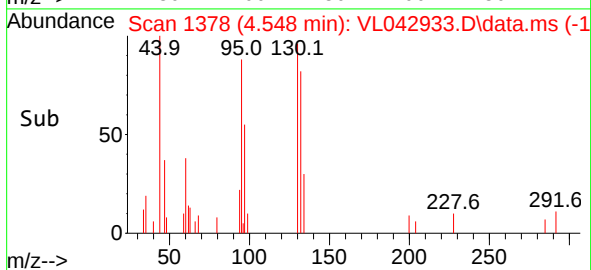
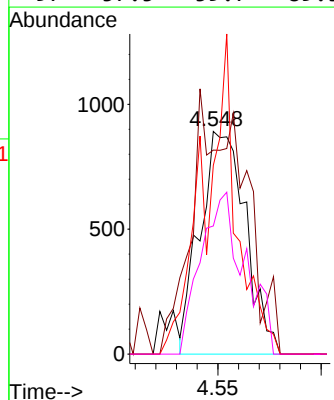
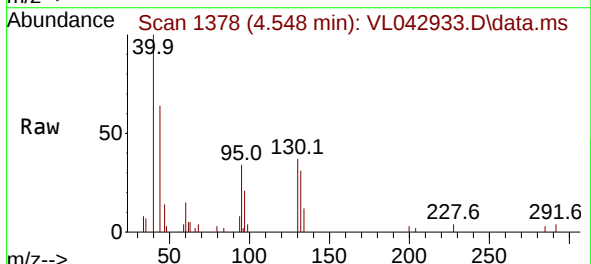
Instrument :
MSVOA_L
ClientSampleId :

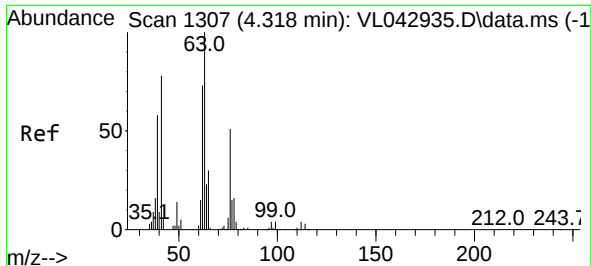
Tgt Ion: 62 Resp: 1297
Ion Ratio Lower Upper
62 100
98 20.2 5.5 8.3#



#38
Trichloroethene
Concen: 0.089 ppbv
RT: 4.548 min Scan# 1378
Delta R.T. -0.010 min
Lab File: VL042933.D
Acq: 17 Sep 2025 12:32

Tgt Ion:130 Resp: 1369
Ion Ratio Lower Upper
130 100
95 91.6 89.8 134.6
132 84.8 76.3 114.5
97 57.5 59.7 89.5#





#39

1,2-Dichloropropane

Concen: 7.562 ppbv

RT: 3.959 min Scan# 1196

Delta R.T. -0.359 min

Lab File: VL042933.D

Acq: 17 Sep 2025 12:32

Instrument :

MSVOA_L

ClientSampleId :

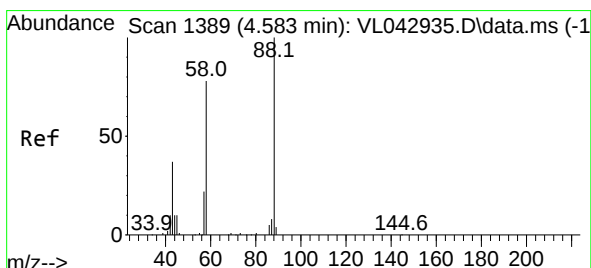
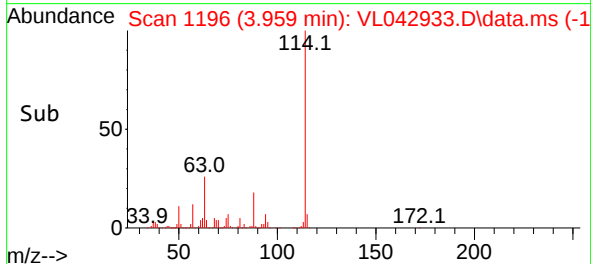
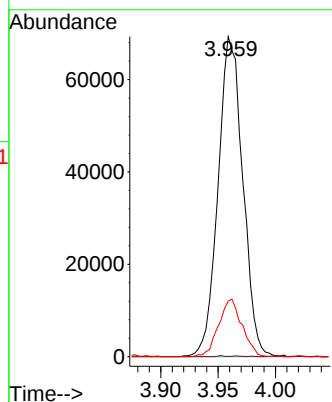
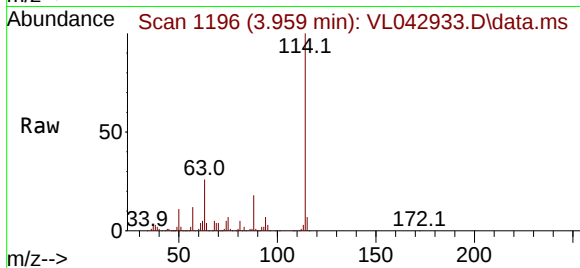
Tgt Ion: 63 Resp: 103962

Ion Ratio Lower Upper

63 100

41 0.1 62.7 94.1#

62 17.4 58.4 87.6#



#40

1,4-Dioxane

Concen: 0.029 ppbv

RT: 4.616 min Scan# 1399

Delta R.T. 0.033 min

Lab File: VL042933.D

Acq: 17 Sep 2025 12:32

Tgt Ion: 88 Resp: 142

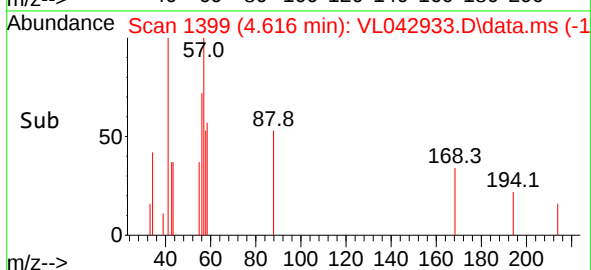
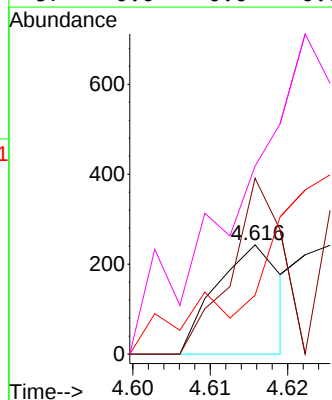
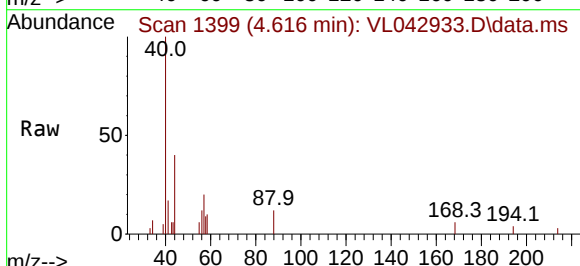
Ion Ratio Lower Upper

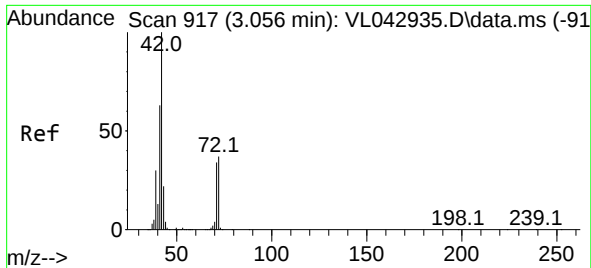
88 100

58 469.7 61.5 92.3#

43 0.0 28.3 42.5#

57 0.0 0.0 0.0

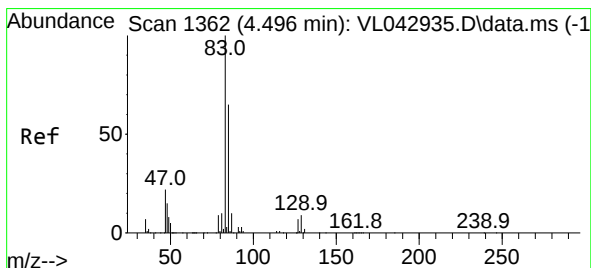
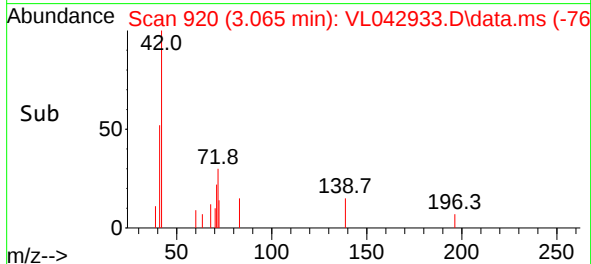
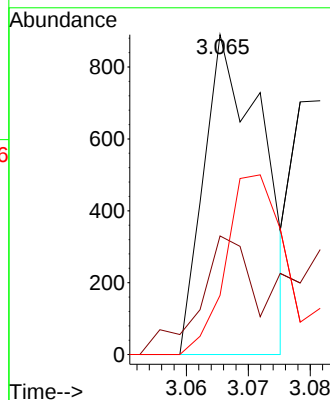
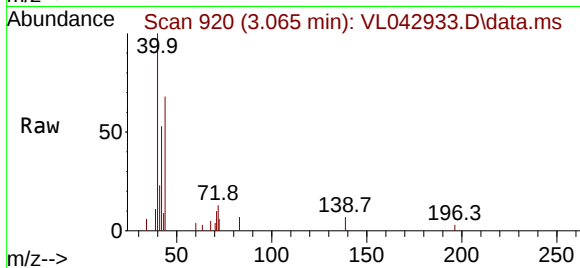




#41
Tetrahydrofuran
Concen: 0.047 ppbv
RT: 3.065 min Scan# 917
Delta R.T. 0.010 min
Lab File: VL042933.D
Acq: 17 Sep 2025 12:32

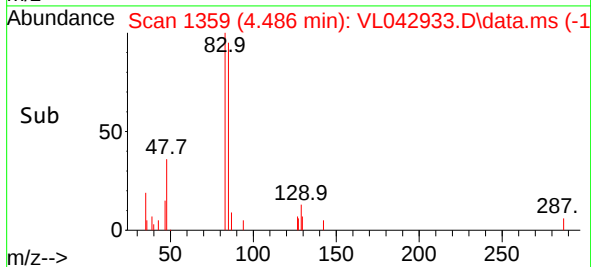
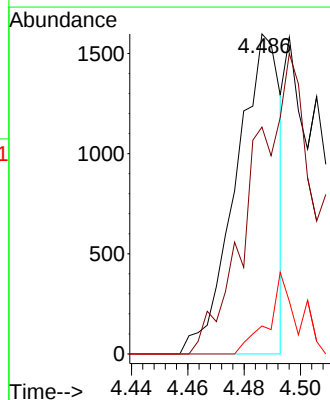
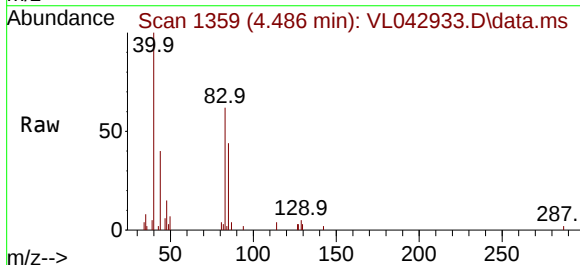
Instrument :
MSVOA_L
ClientSampleId :

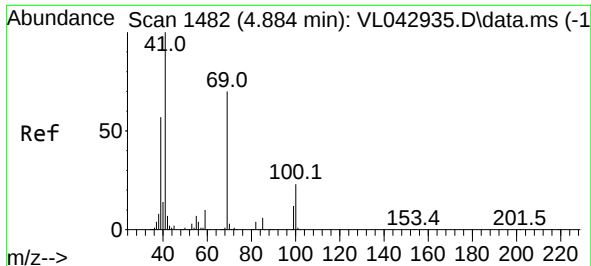
Tgt Ion: 42 Resp: 589
Ion Ratio Lower Upper
42 100
72 58.6 30.4 45.6#
71 58.6 28.3 42.5#



#42
Bromodichloromethane
Concen: 0.060 ppbv
RT: 4.486 min Scan# 1359
Delta R.T. -0.010 min
Lab File: VL042933.D
Acq: 17 Sep 2025 12:32

Tgt Ion: 83 Resp: 1742
Ion Ratio Lower Upper
83 100
85 70.9 52.1 78.1
127 8.8 6.0 9.0

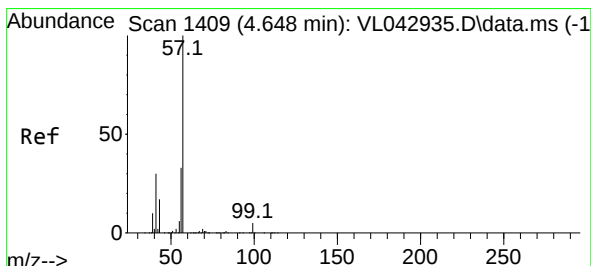
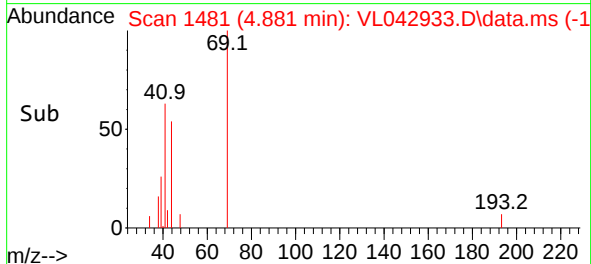
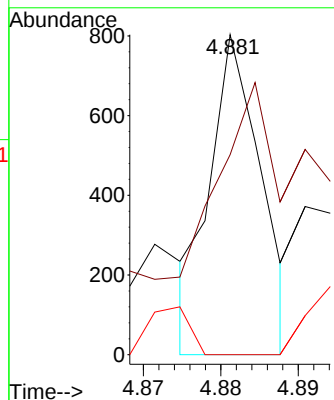
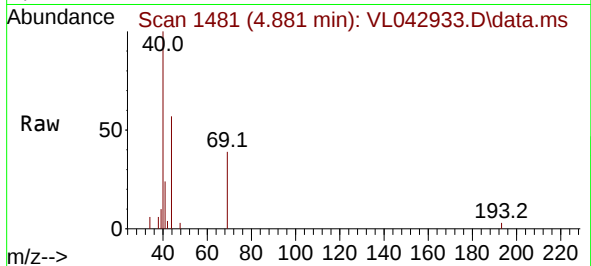




#43
Methyl Methacrylate
Concen: 0.032 ppbv
RT: 4.881 min Scan# 1481
Delta R.T. -0.003 min
Lab File: VL042933.D
Acq: 17 Sep 2025 12:32

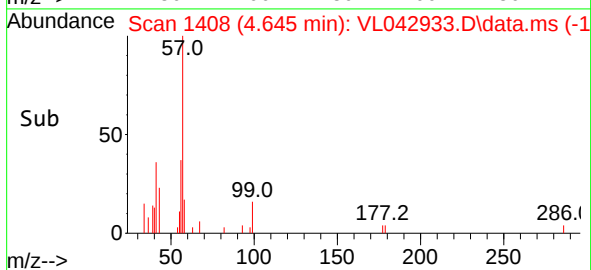
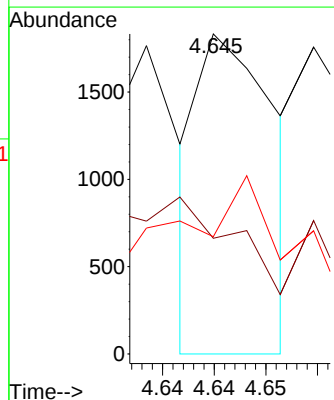
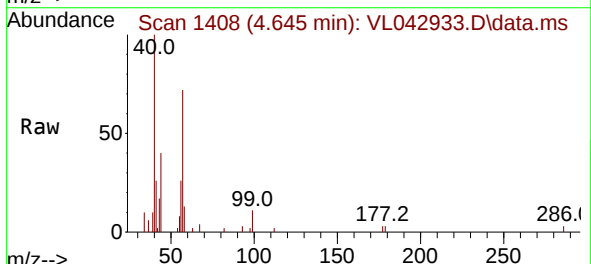
Instrument :
MSVOA_L
ClientSampleId :

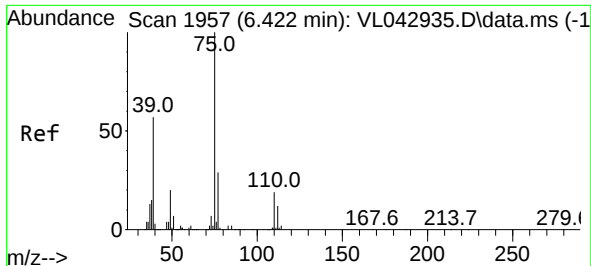
Tgt Ion: 69 Resp: 370
Ion Ratio Lower Upper
69 100
41 319.5 118.6 178.0#
100 0.0 26.2 39.4#



#44
2,2,4-Trimethylpentane
Concen: 0.017 ppbv
RT: 4.645 min Scan# 1408
Delta R.T. -0.003 min
Lab File: VL042933.D
Acq: 17 Sep 2025 12:32

Tgt Ion: 57 Resp: 939
Ion Ratio Lower Upper
57 100
41 199.0 25.8 38.6#
56 0.0 26.2 39.4#





#45

t-1,3-Dichloropropene

Concen: 0.032 ppbv

RT: 6.425 min Scan# 1957

Delta R.T. 0.003 min

Lab File: VL042933.D

Acq: 17 Sep 2025 12:32

Instrument :

MSVOA_L

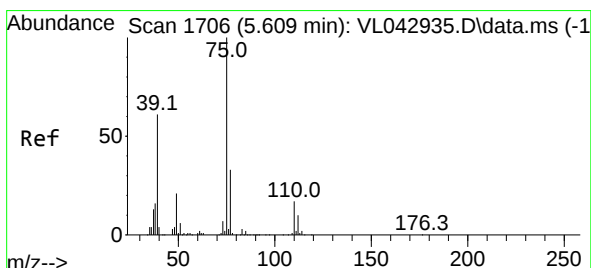
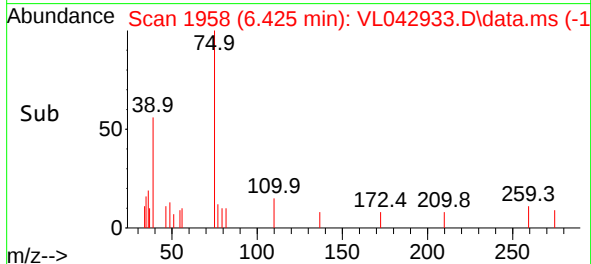
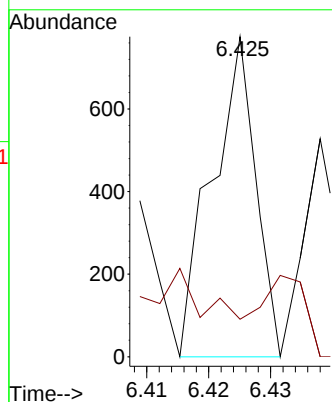
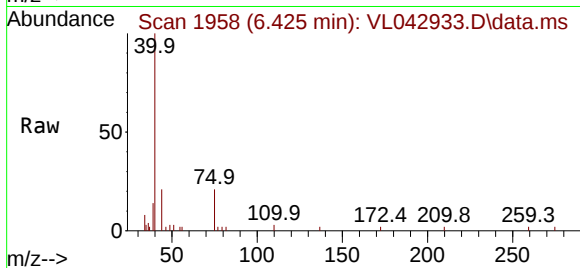
ClientSampleId :

Tgt Ion: 75 Resp: 381

Ion Ratio Lower Upper

75 100

77 11.7 23.5 35.3#



#46

cis-1,3-Dichloropropene

Concen: 0.039 ppbv

RT: 5.609 min Scan# 1706

Delta R.T. 0.000 min

Lab File: VL042933.D

Acq: 17 Sep 2025 12:32

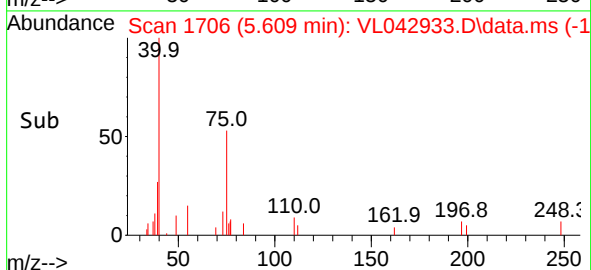
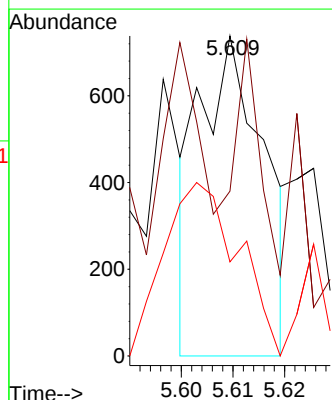
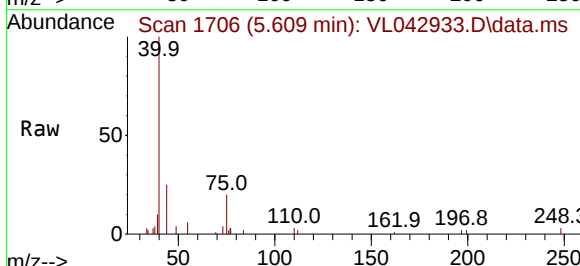
Tgt Ion: 75 Resp: 640

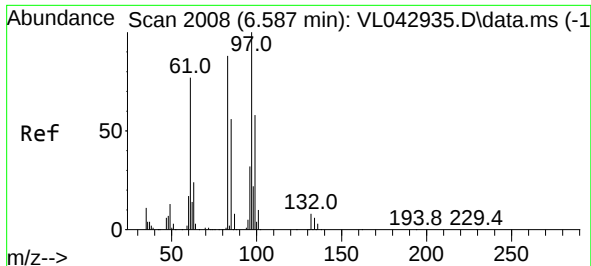
Ion Ratio Lower Upper

75 100

39 55.9 49.0 73.4

77 62.5 26.2 39.2#

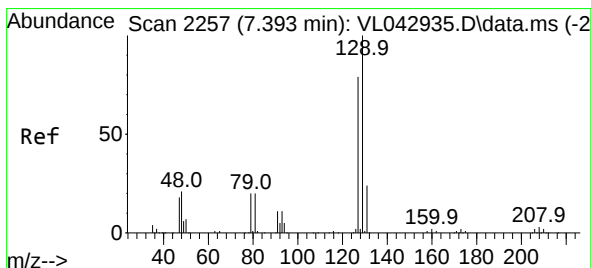
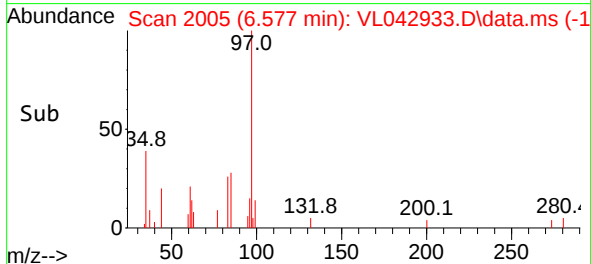
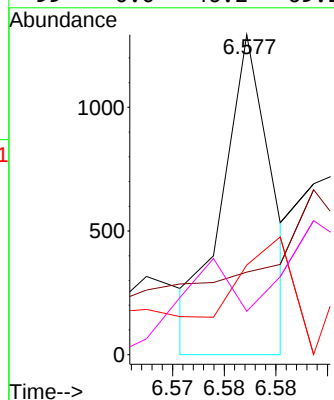
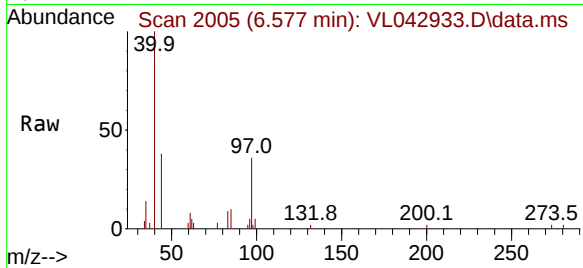




#47
1,1,2-Trichloroethane
Concen: 0.031 ppbv
RT: 6.577 min Scan# 20
Delta R.T. -0.010 min
Lab File: VL042933.D
Acq: 17 Sep 2025 12:32

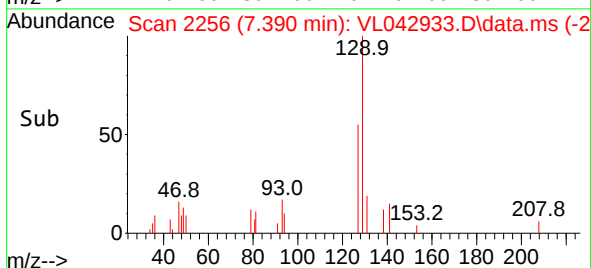
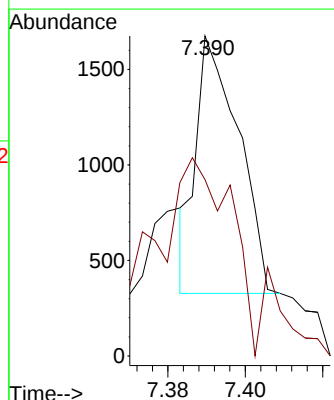
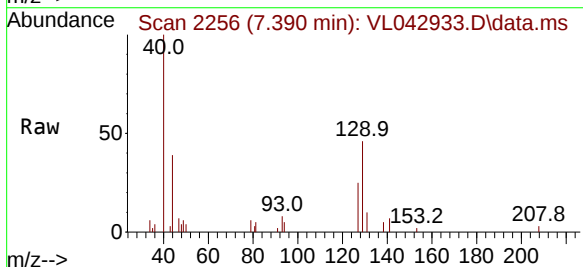
Instrument :
MSVOA_L
ClientSampleId :

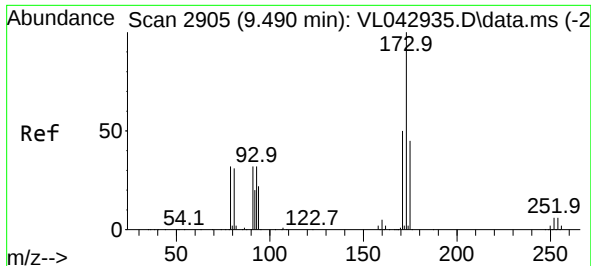
Tgt Ion: 97 Resp: 433
Ion Ratio Lower Upper
97 100
83 6.0 70.6 106.0#
85 25.9 44.9 67.3#
99 0.0 46.2 69.2#



#48
Dibromochloromethane
Concen: 0.046 ppbv
RT: 7.390 min Scan# 2256
Delta R.T. -0.003 min
Lab File: VL042933.D
Acq: 17 Sep 2025 12:32

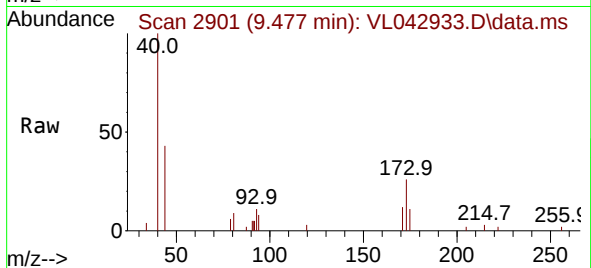
Tgt Ion: 129 Resp: 1021
Ion Ratio Lower Upper
129 100
127 161.9 38.8 116.3#



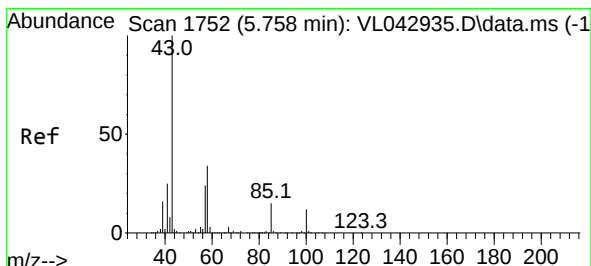
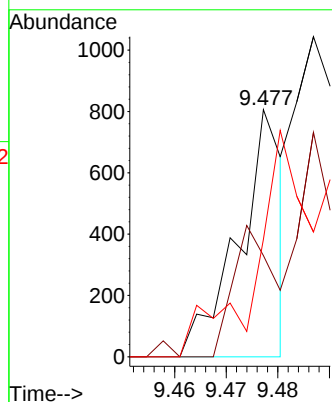
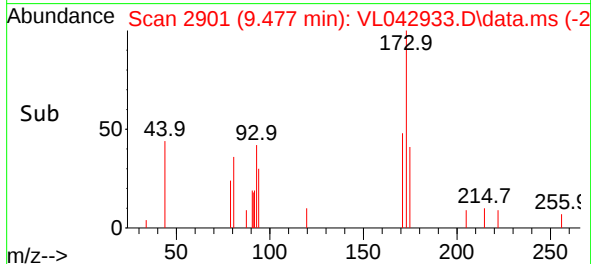


#49
Bromoform
Concen: 0.028 ppbv
RT: 9.477 min Scan# 2905
Delta R.T. -0.013 min
Lab File: VL042933.D
Acq: 17 Sep 2025 12:32

Instrument :
MSVOA_L
ClientSampleId :

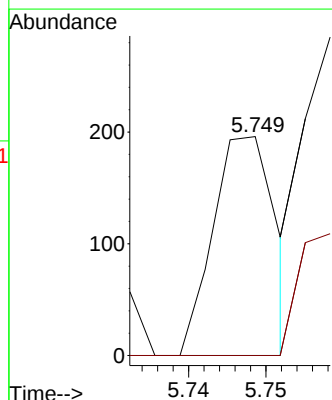
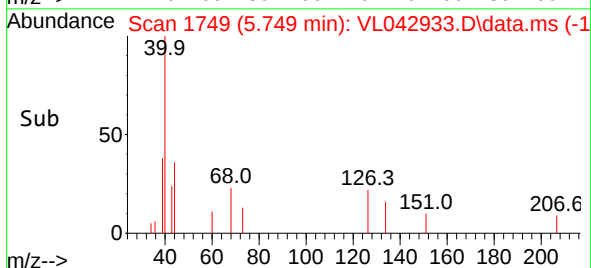
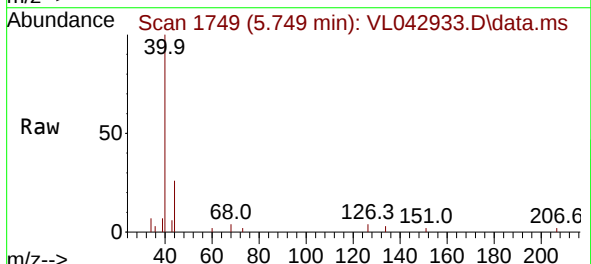


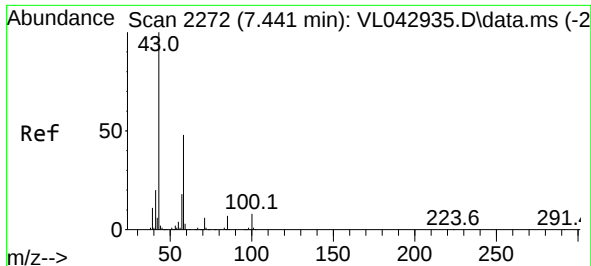
Tgt Ion:173 Resp: 475
Ion Ratio Lower Upper
173 100
175 0.0 38.6 58.0#
171 178.9 41.7 62.5#



#50
4-Methyl-2-Pentanone
Concen: 0.004 ppbv
RT: 5.749 min Scan# 1749
Delta R.T. -0.010 min
Lab File: VL042933.D
Acq: 17 Sep 2025 12:32

Tgt Ion: 43 Resp: 111
Ion Ratio Lower Upper
43 100
58 0.0 27.5 41.3#

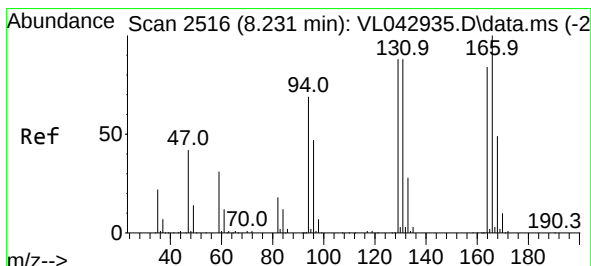
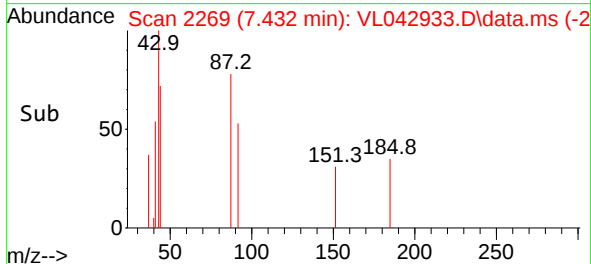
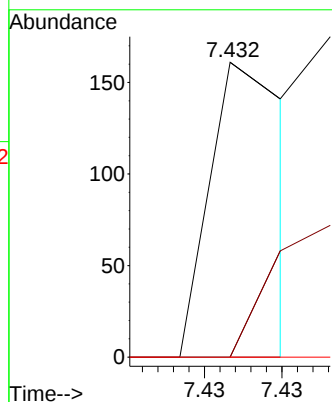
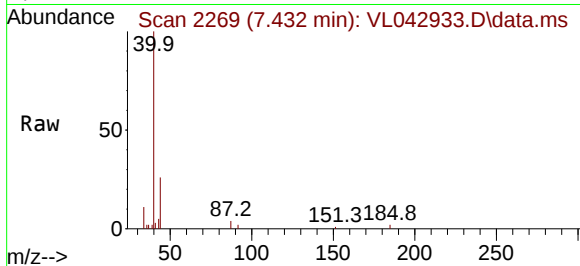




#51
2-Hexanone
Concen: 0.003 ppbv
RT: 7.432 min Scan# 21
Delta R.T. -0.010 min
Lab File: VL042933.D
Acq: 17 Sep 2025 12:32

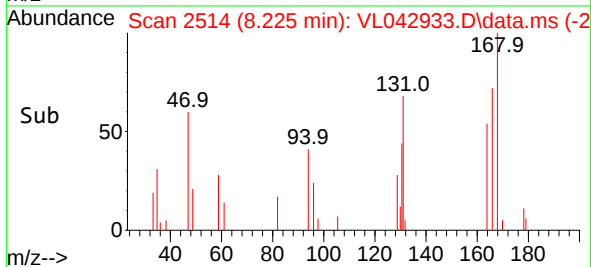
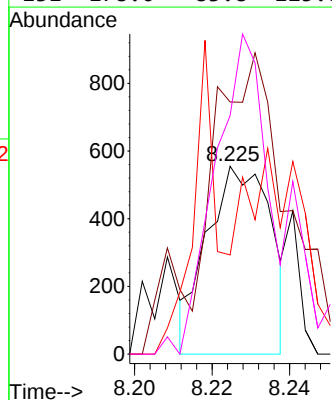
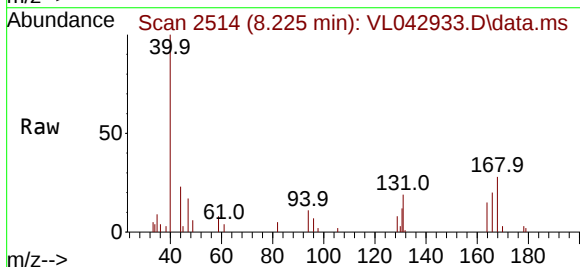
Instrument :
MSVOA_L
ClientSampleId :

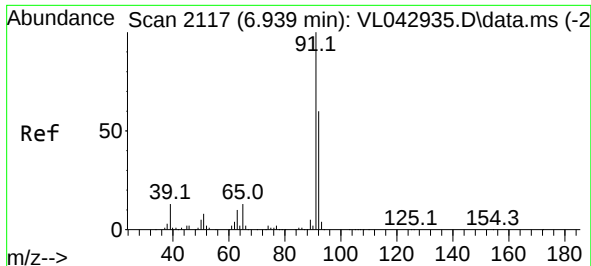
Tgt Ion: 43 Resp: 59
Ion Ratio Lower Upper
43 100
58 0.0 37.9 56.9#
98 0.0 0.7 1.1#



#52
Tetrachloroethene
Concen: 0.060 ppbv
RT: 8.225 min Scan# 2514
Delta R.T. -0.006 min
Lab File: VL042933.D
Acq: 17 Sep 2025 12:32

Tgt Ion: 164 Resp: 630
Ion Ratio Lower Upper
164 100
166 139.9 95.4 143.0
129 27.8 84.0 126.0#
131 178.0 83.8 125.8#

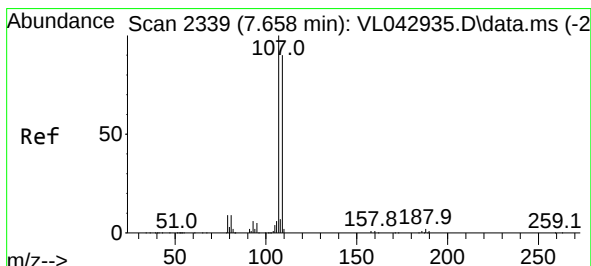
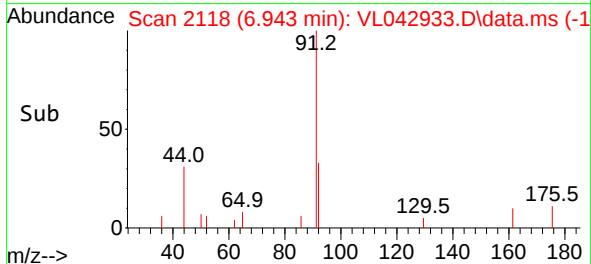
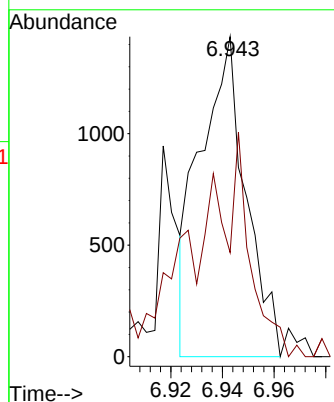
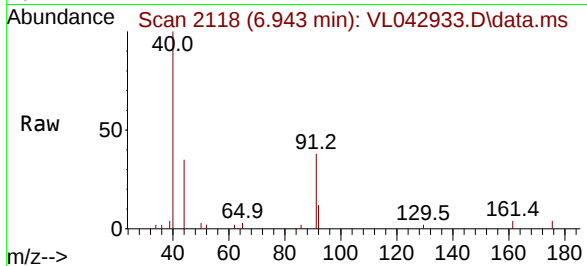




#53
Toluene
Concen: 0.056 ppbv
RT: 6.943 min Scan# 2117
Delta R.T. 0.003 min
Lab File: VL042933.D
Acq: 17 Sep 2025 12:32

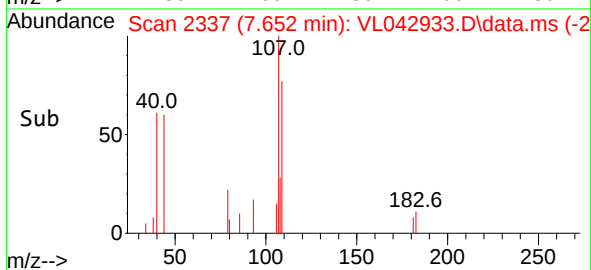
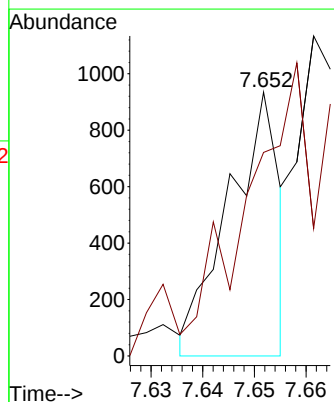
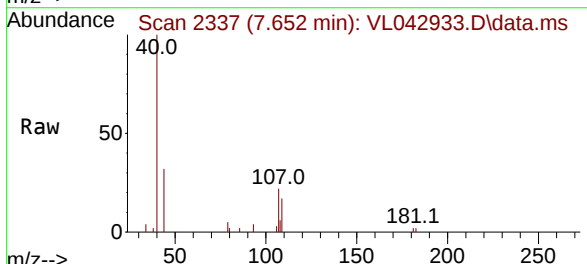
Instrument :
MSVOA_L
ClientSampleId :

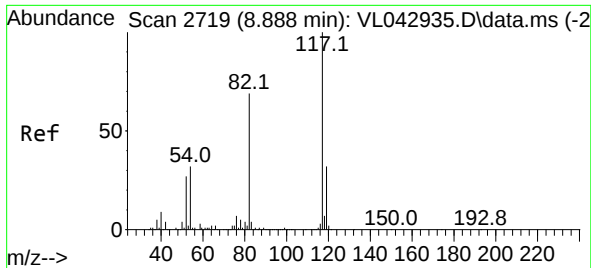
Tgt Ion: 91 Resp: 1763
Ion Ratio Lower Upper
91 100
92 84.3 47.4 71.2#



#54
1,2-Dibromoethane
Concen: 0.035 ppbv
RT: 7.652 min Scan# 2337
Delta R.T. -0.006 min
Lab File: VL042933.D
Acq: 17 Sep 2025 12:32

Tgt Ion: 107 Resp: 638
Ion Ratio Lower Upper
107 100
109 74.8 71.8 107.6

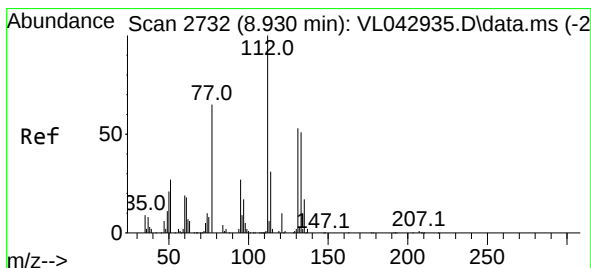
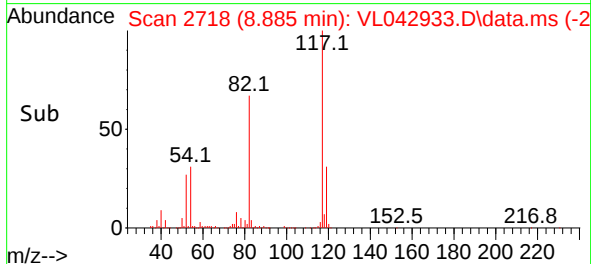
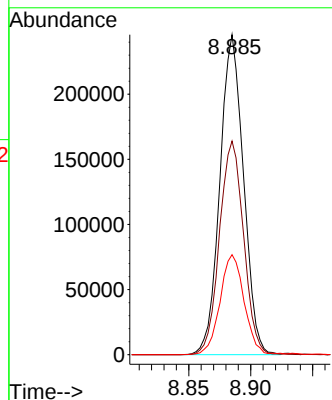
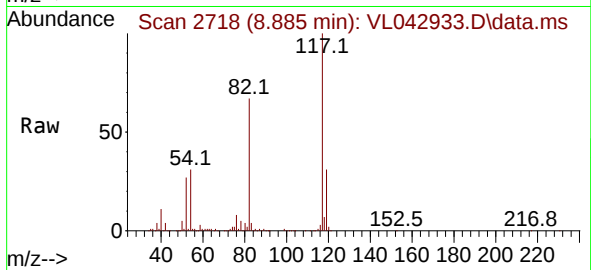




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min Scan# 2719
Delta R.T. -0.003 min
Lab File: VL042933.D
Acq: 17 Sep 2025 12:32

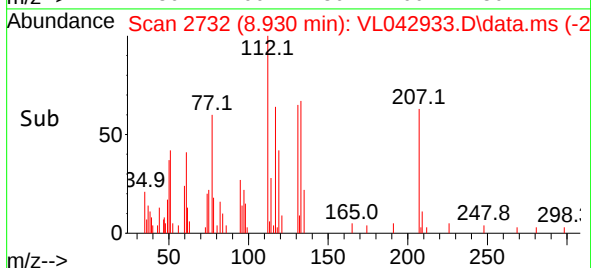
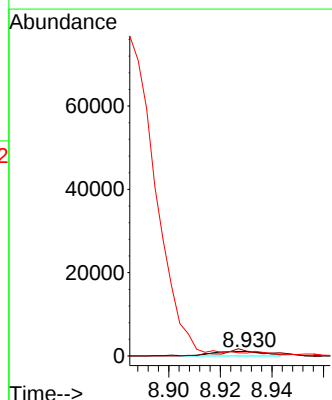
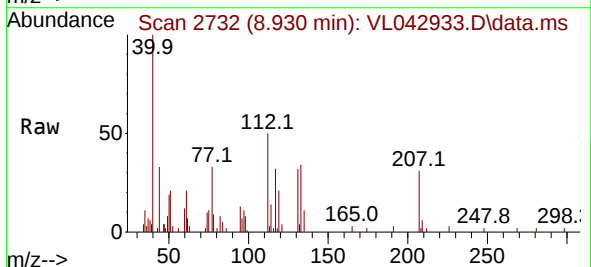
Instrument :
MSVOA_L
ClientSampleId :

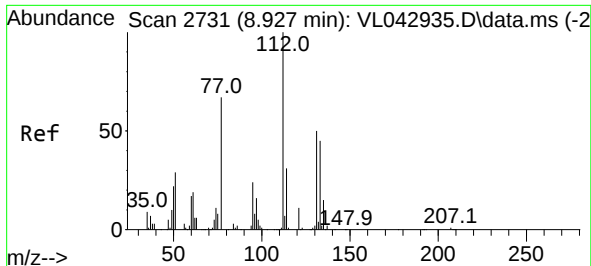
Tgt Ion:117 Resp: 326535
Ion Ratio Lower Upper
117 100
82 68.1 56.1 84.1
119 32.3 25.8 38.8



#56
1,1,1,2-Tetrachloroethane
Concen: 0.095 ppbv
RT: 8.930 min Scan# 2732
Delta R.T. 0.000 min
Lab File: VL042933.D
Acq: 17 Sep 2025 12:32

Tgt Ion:131 Resp: 1578
Ion Ratio Lower Upper
131 100
133 118.3 76.1 114.1#
119 0.0 53.4 80.2#





#57

Chlorobenzene

Concen: 0.099 ppbv

RT: 8.924 min Scan# 21

Delta R.T. -0.003 min

Lab File: VL042933.D

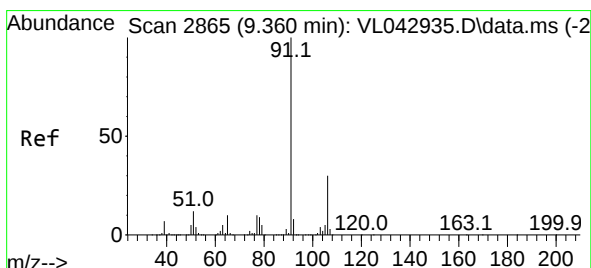
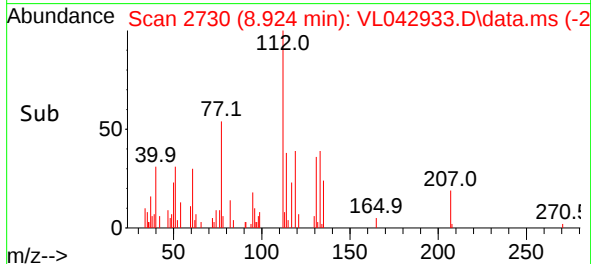
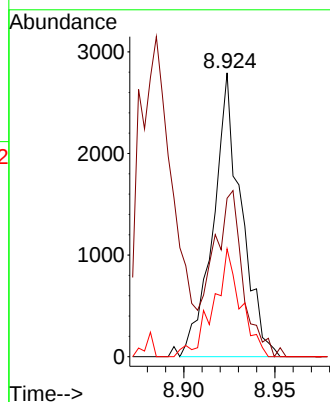
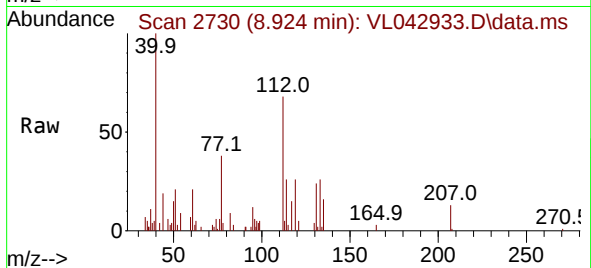
Acq: 17 Sep 2025 12:32

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:112	Resp:	2983
Ion	Ratio	Lower Upper
112	100	
77	52.6	54.8 82.2#
114	38.0	28.2 34.4#



#58

Ethyl Benzene

Concen: 0.058 ppbv

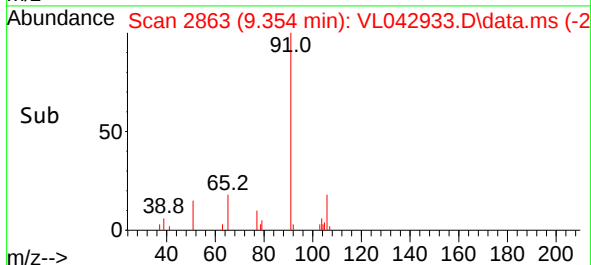
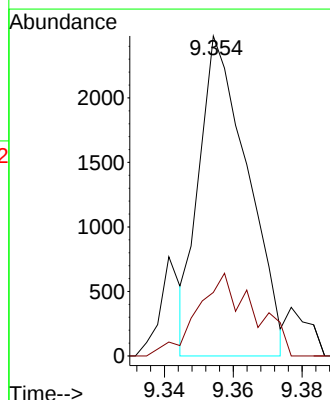
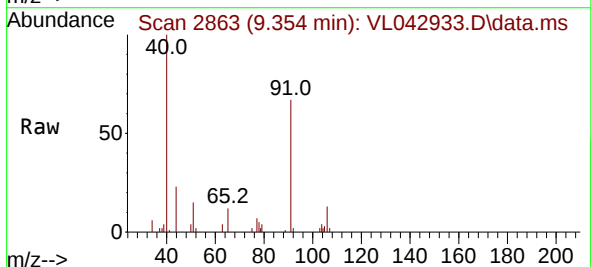
RT: 9.354 min Scan# 2863

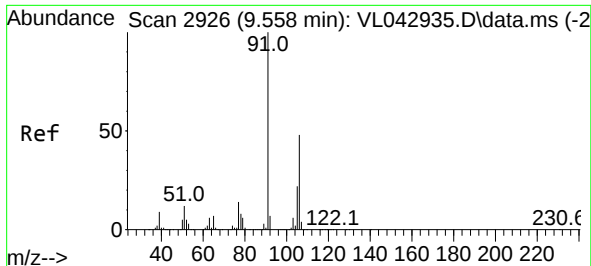
Delta R.T. -0.006 min

Lab File: VL042933.D

Acq: 17 Sep 2025 12:32

Tgt Ion: 91	Resp:	2427
Ion	Ratio	Lower Upper
91	100	
106	18.1	24.2 36.4#





#59

m/p-Xylene

Concen: 0.053 ppbv

RT: 9.555 min Scan# 2926

Delta R.T. -0.003 min

Lab File: VL042933.D

Acq: 17 Sep 2025 12:32

Instrument :

MSVOA_L

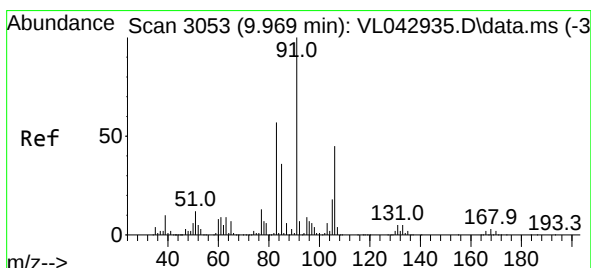
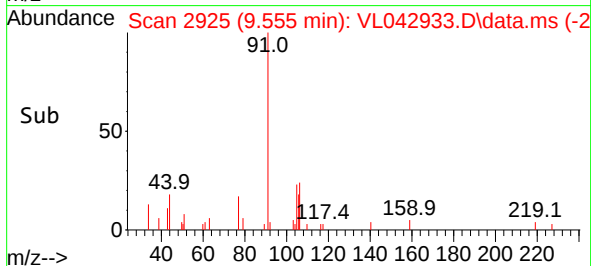
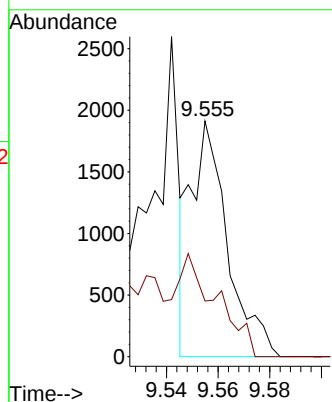
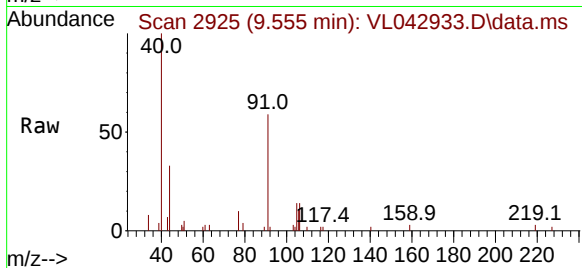
ClientSampleId :

Tgt Ion: 91 Resp: 1873

Ion Ratio Lower Upper

91 100

106 84.0 37.4 56.0#



#60

o-Xylene

Concen: 0.053 ppbv

RT: 9.966 min Scan# 3052

Delta R.T. -0.003 min

Lab File: VL042933.D

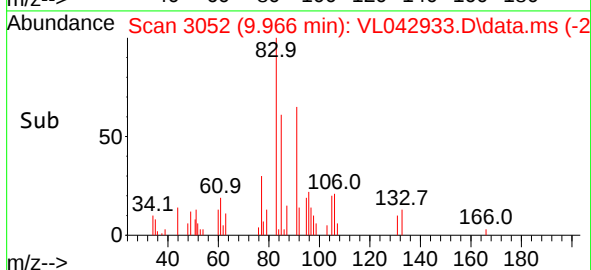
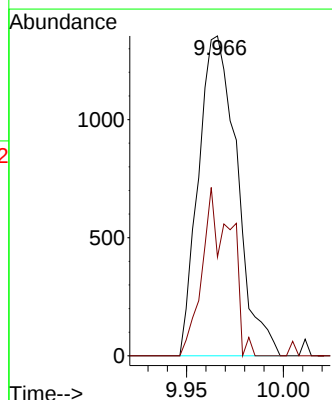
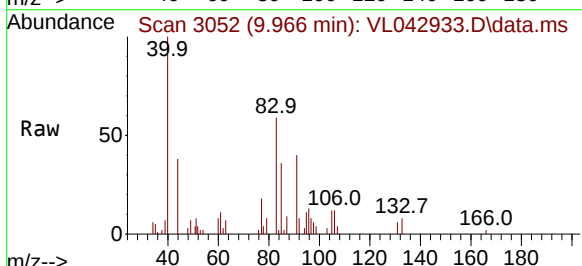
Acq: 17 Sep 2025 12:32

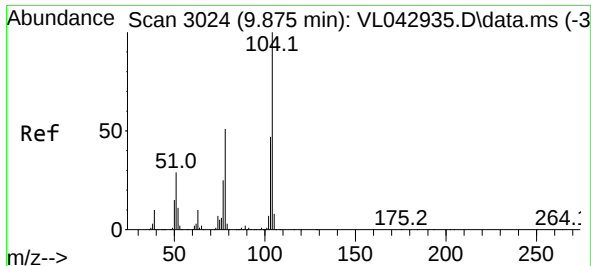
Tgt Ion: 91 Resp: 1871

Ion Ratio Lower Upper

91 100

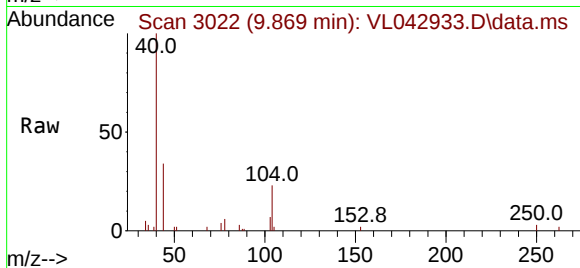
106 39.3 22.1 66.5



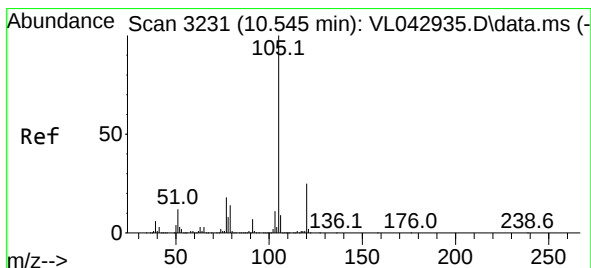
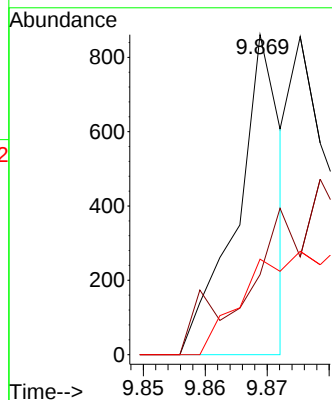
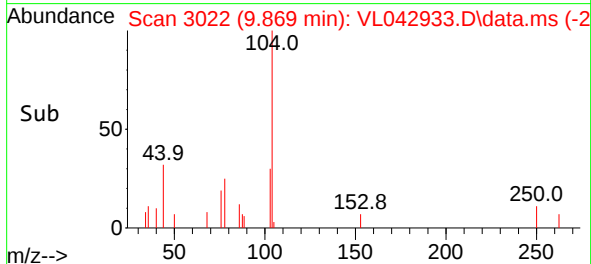


#61
Styrene
Concen: 0.563 ppbv
RT: 9.869 min Scan# 3024
Delta R.T. -0.006 min
Lab File: VL042933.D
Acq: 17 Sep 2025 12:32

Instrument :
MSVOA_L
ClientSampleId :

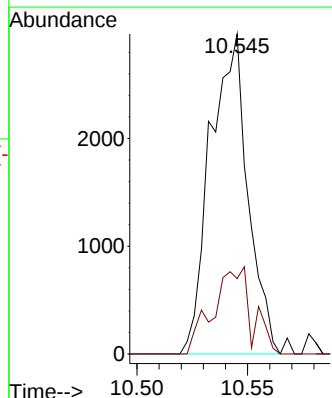
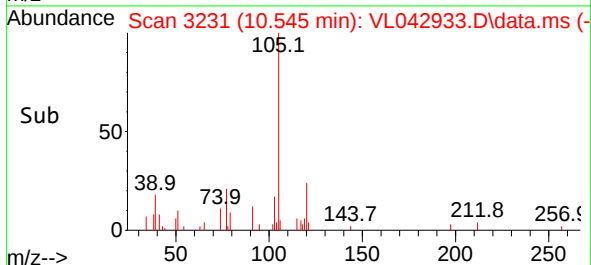
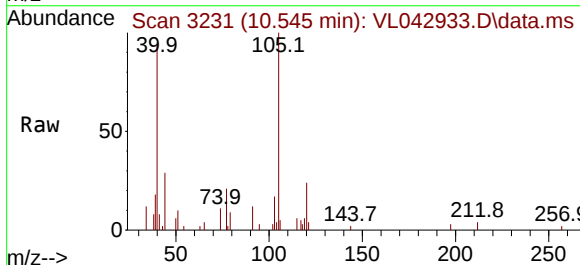


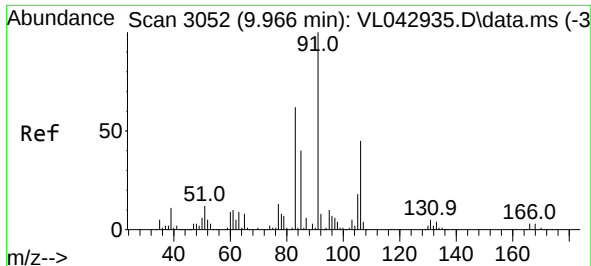
Tgt Ion:104 Resp: 431
Ion Ratio Lower Upper
104 100
78 0.0 40.2 60.2#
103 0.0 36.8 55.2#



#62
Isopropylbenzene
Concen: 0.068 ppbv
RT: 10.545 min Scan# 3231
Delta R.T. 0.000 min
Lab File: VL042933.D
Acq: 17 Sep 2025 12:32

Tgt Ion:105 Resp: 3510
Ion Ratio Lower Upper
105 100
120 27.9 20.0 30.0

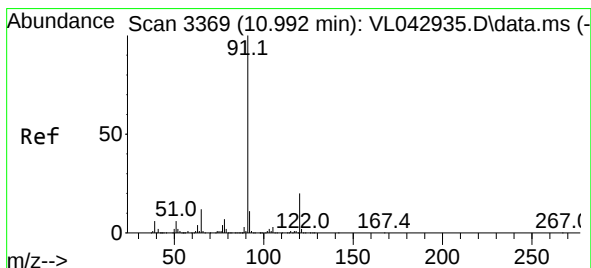
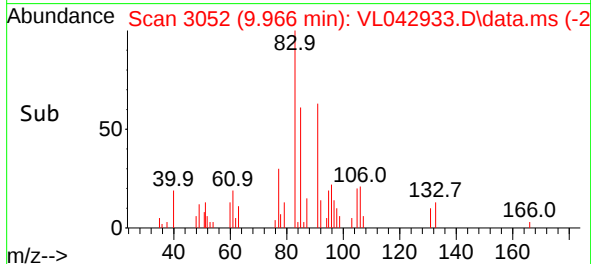
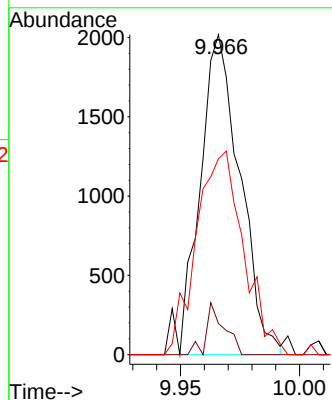
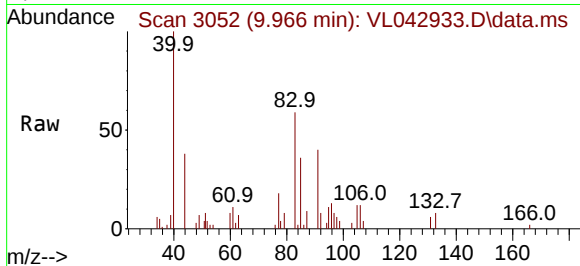




#63
1,1,2,2-Tetrachloroethane
Concen: 0.091 ppbv
RT: 9.966 min Scan# 3052
Delta R.T. 0.000 min
Lab File: VL042933.D
Acq: 17 Sep 2025 12:32

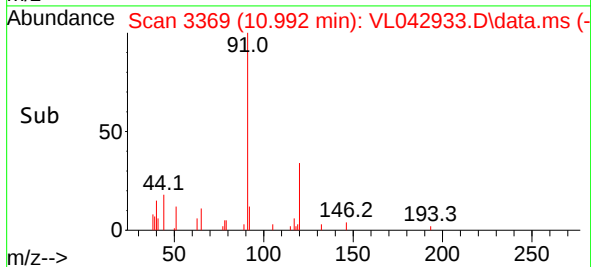
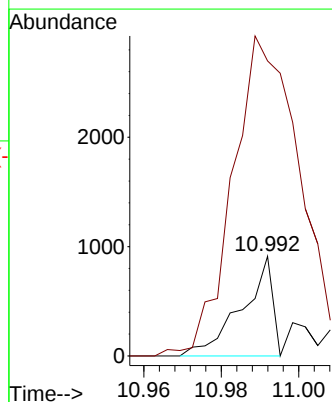
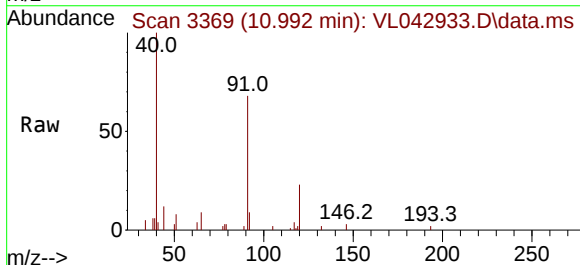
Instrument :
MSVOA_L
ClientSampleId :

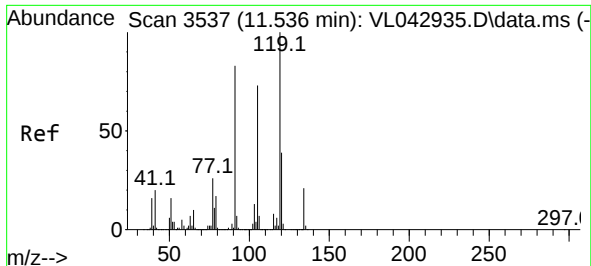
Tgt Ion: 83 Resp: 2335
Ion Ratio Lower Upper
83 100
131 7.4 4.2 12.6
85 76.2 32.6 98.0



#64
n-propylbenzene
Concen: 0.038 ppbv
RT: 10.992 min Scan# 3369
Delta R.T. 0.000 min
Lab File: VL042933.D
Acq: 17 Sep 2025 12:32

Tgt Ion: 120 Resp: 502
Ion Ratio Lower Upper
120 100
91 698.6 394.6 591.8#

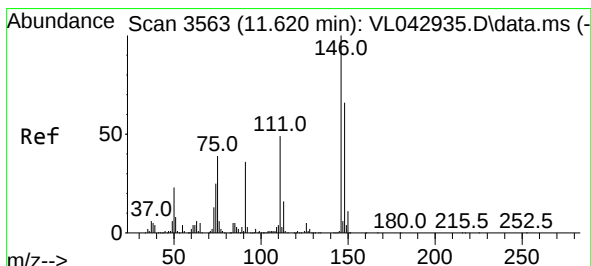
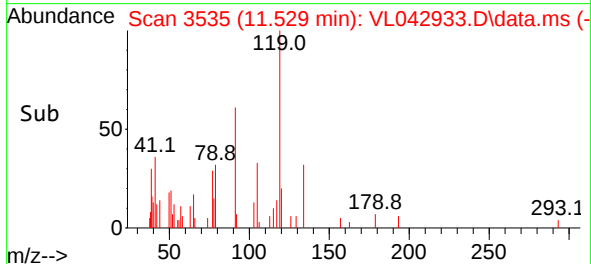
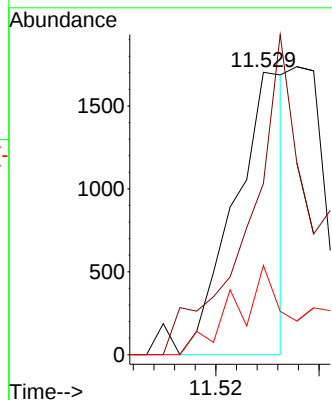
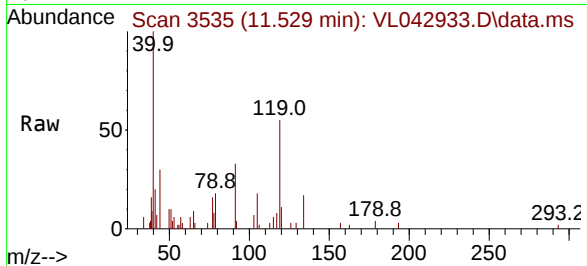




#65
tert-Butylbenzene
Concen: 0.026 ppbv
RT: 11.529 min Scan# 3535
Delta R.T. -0.006 min
Lab File: VL042933.D
Acq: 17 Sep 2025 12:32

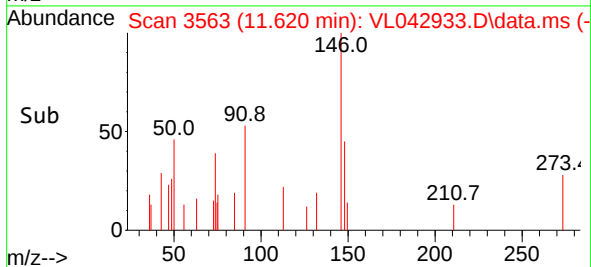
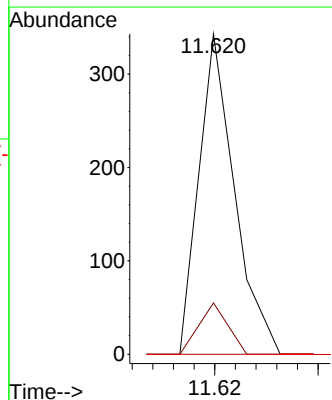
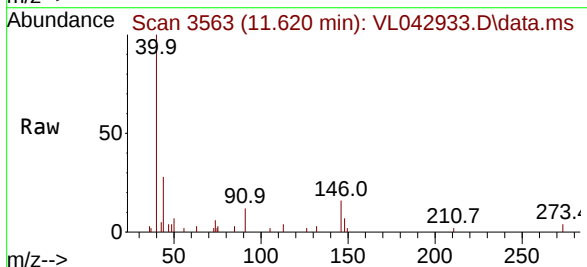
Instrument :
MSVOA_L
ClientSampleId :

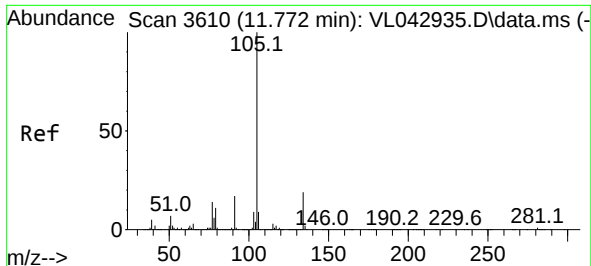
Tgt Ion:119 Resp: 1160
Ion Ratio Lower Upper
119 100
91 146.7 66.0 99.0#
134 43.8 16.8 25.2#



#66
Benzyl Chloride
Concen: 0.020 ppbv
RT: 11.620 min Scan# 3563
Delta R.T. -0.000 min
Lab File: VL042933.D
Acq: 17 Sep 2025 12:32

Tgt Ion: 91 Resp: 82
Ion Ratio Lower Upper
91 100
126 13.4 13.9 20.9#
128 31.7 4.9 7.3#





#67

sec-Butylbenzene

Concen: 0.043 ppbv

RT: 11.769 min Scan# 3609

Delta R.T. -0.003 min

Lab File: VL042933.D

Acq: 17 Sep 2025 12:32

Instrument :

MSVOA_L

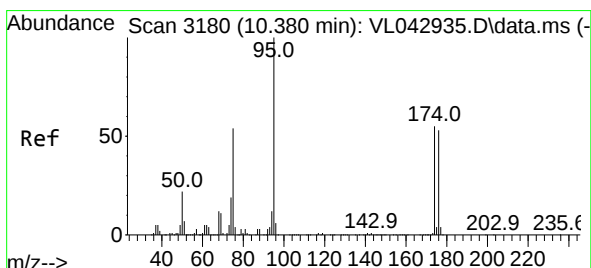
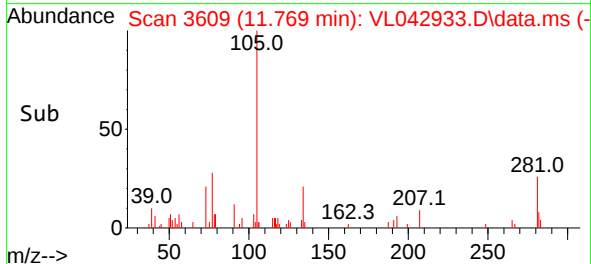
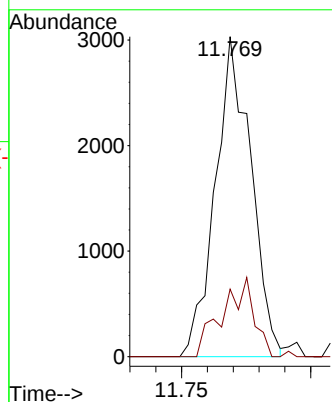
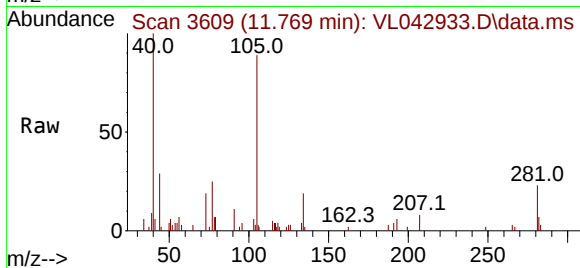
ClientSampleId :

Tgt Ion:105 Resp: 2905

Ion Ratio Lower Upper

105 100

134 22.4 14.3 21.5#



#68

1-Bromo-4-Fluorobenzene

Concen: 9.631 ppbv

RT: 10.377 min Scan# 3179

Delta R.T. -0.003 min

Lab File: VL042933.D

Acq: 17 Sep 2025 12:32

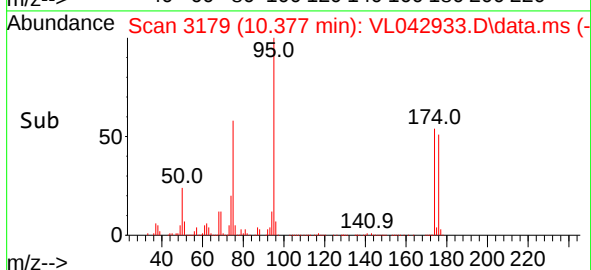
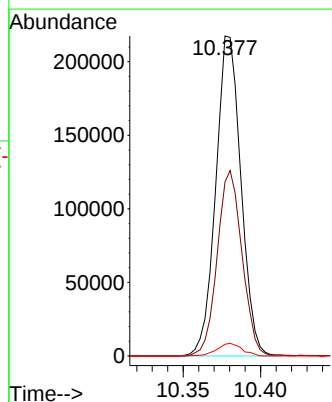
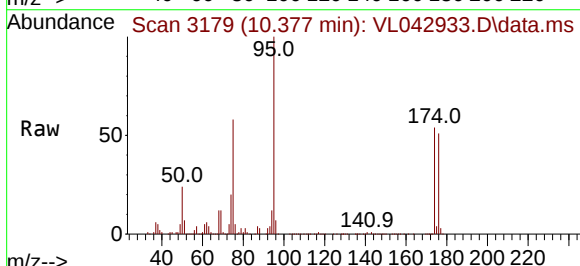
Tgt Ion: 95 Resp: 245820

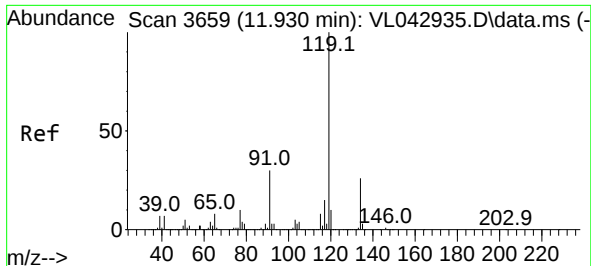
Ion Ratio Lower Upper

95 100

174 57.2 44.9 67.3

175 4.0 3.3 4.9

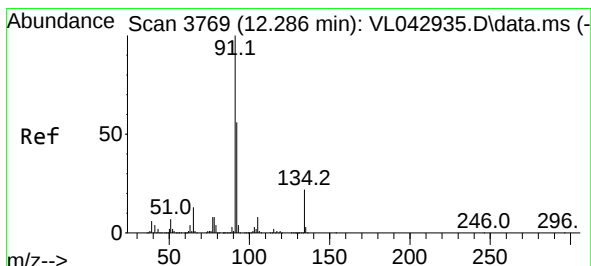
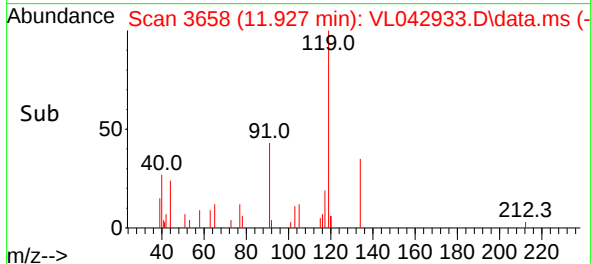
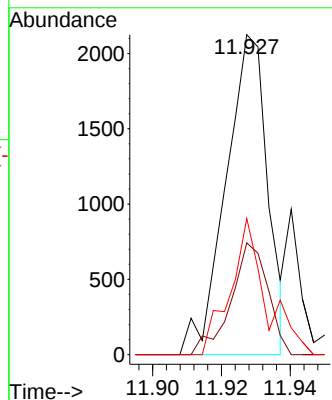
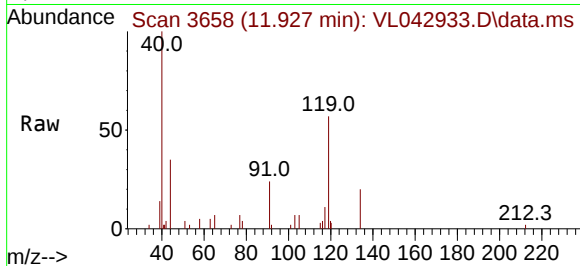




#69
p-Isopropyltoluene
Concen: 0.035 ppbv
RT: 11.927 min Scan# 3658
Delta R.T. -0.003 min
Lab File: VL042933.D
Acq: 17 Sep 2025 12:32

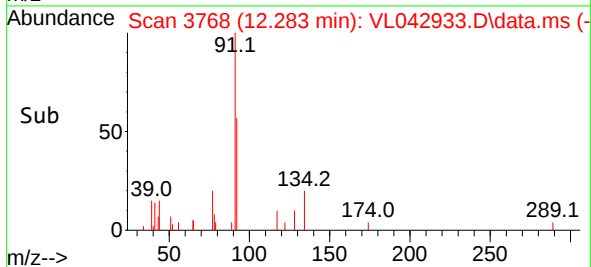
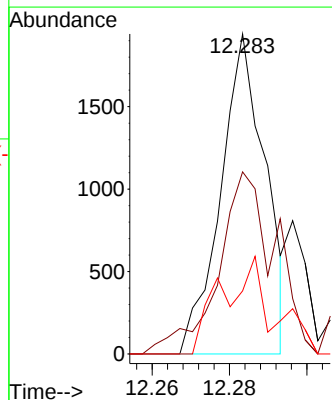
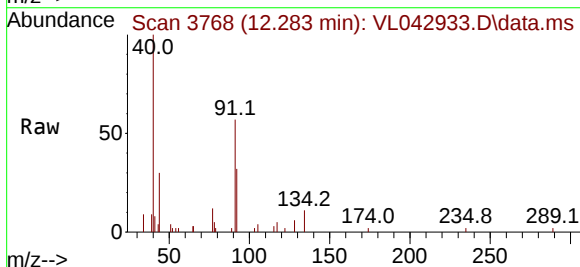
Instrument :
MSVOA_L
ClientSampleId :

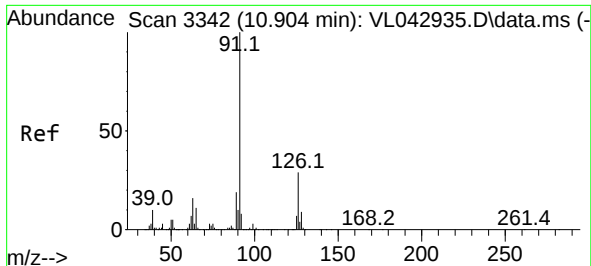
Tgt Ion:119 Resp: 1795
Ion Ratio Lower Upper
119 100
134 30.9 20.5 30.7#
91 36.2 23.2 34.8#



#70
n-Butylbenzene
Concen: 0.324 ppbv
RT: 12.283 min Scan# 3768
Delta R.T. -0.003 min
Lab File: VL042933.D
Acq: 17 Sep 2025 12:32

Tgt Ion: 91 Resp: 1556
Ion Ratio Lower Upper
91 100
92 77.4 43.8 65.8#
134 34.6 17.3 25.9#

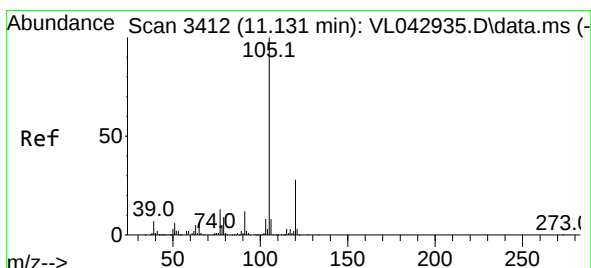
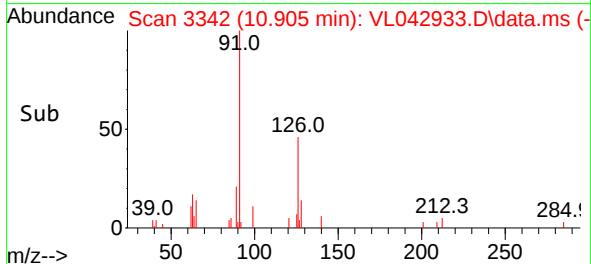
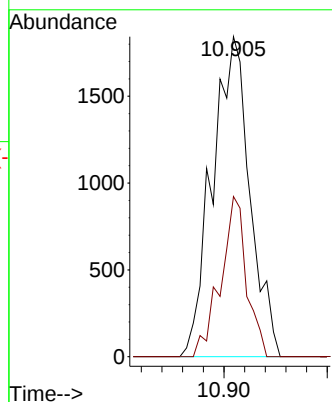
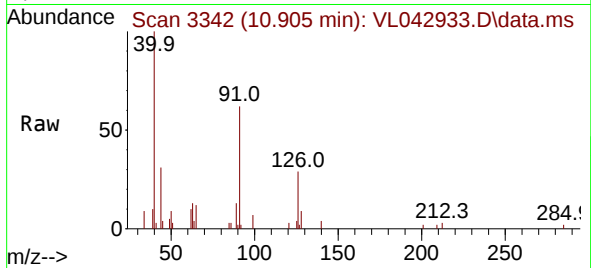




#71
2-Chlorotoluene
Concen: 0.061 ppbv
RT: 10.905 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL042933.D
Acq: 17 Sep 2025 12:32

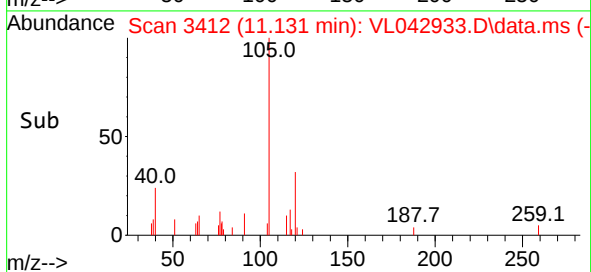
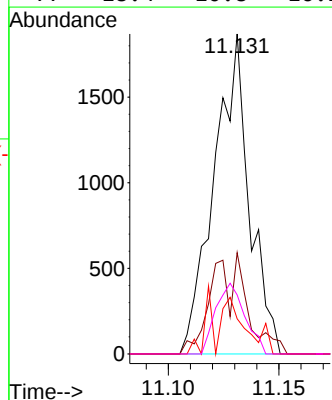
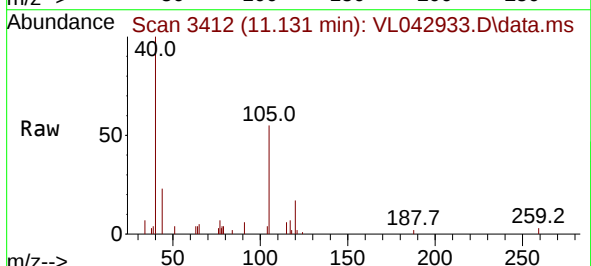
Instrument :
MSVOA_L
ClientSampleId :

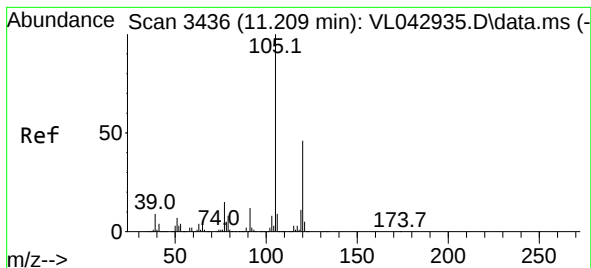
Tgt Ion: 91 Resp: 2336
Ion Ratio Lower Upper
91 100
126 34.3 11.5 45.9



#72
4-Ethyltoluene
Concen: 0.399 ppbv
RT: 11.131 min Scan# 3412
Delta R.T. 0.000 min
Lab File: VL042933.D
Acq: 17 Sep 2025 12:32

Tgt Ion: 105 Resp: 2070
Ion Ratio Lower Upper
105 100
120 31.3 23.1 34.7
91 16.8 10.4 15.6#
77 18.4 10.8 16.2#





#73

1,3,5-Trimethylbenzene

Concen: 0.026 ppbv

RT: 11.202 min Scan# 3436

Delta R.T. -0.006 min

Lab File: VL042933.D

Acq: 17 Sep 2025 12:32

Instrument :

MSVOA_L

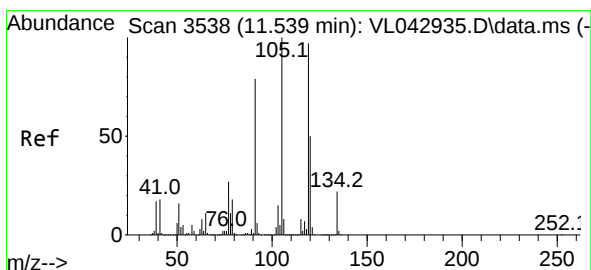
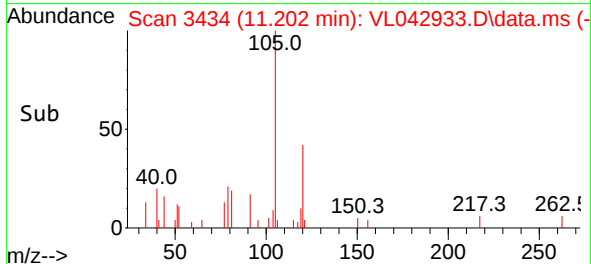
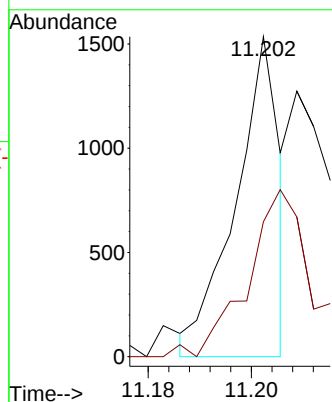
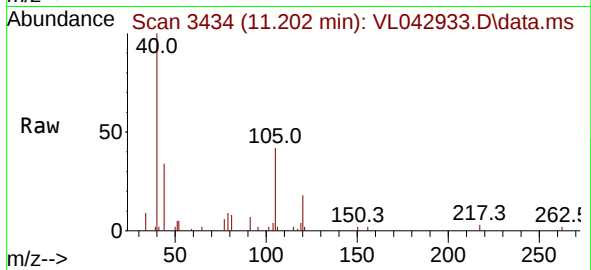
ClientSampleId :

Tgt Ion:105 Resp: 907

Ion Ratio Lower Upper

105 100

120 41.4 37.0 55.6



#74

1,2,4-Trimethylbenzene

Concen: 0.038 ppbv

RT: 11.539 min Scan# 3538

Delta R.T. 0.000 min

Lab File: VL042933.D

Acq: 17 Sep 2025 12:32

Tgt Ion:105 Resp: 1576

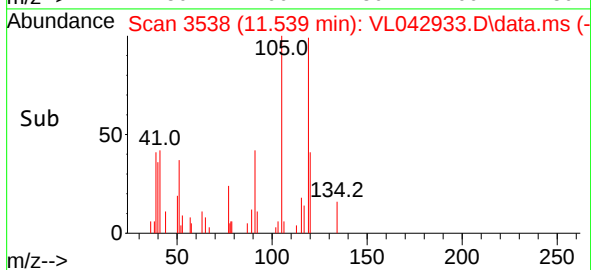
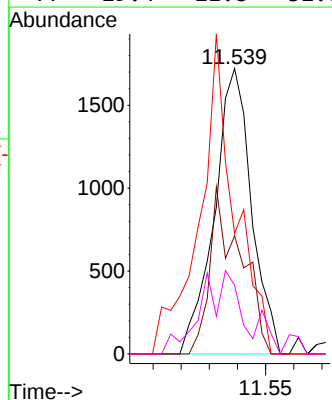
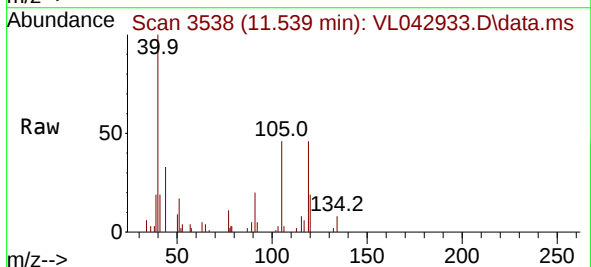
Ion Ratio Lower Upper

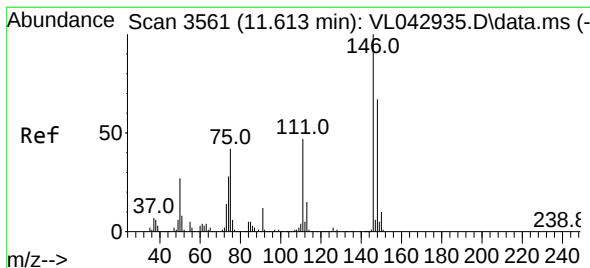
105 100

120 41.4 39.8 59.6

91 42.3 63.1 94.7#

77 29.4 21.8 32.6





#75

1,3-Dichlorobenzene

Concen: 0.058 ppbv

RT: 11.607 min Scan# 3559

Delta R.T. -0.006 min

Lab File: VL042933.D

Acq: 17 Sep 2025 12:32

Instrument :

MSVOA_L

ClientSampleId :

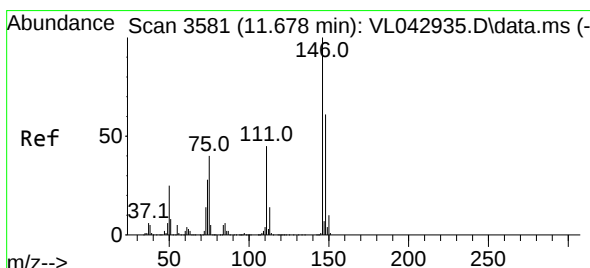
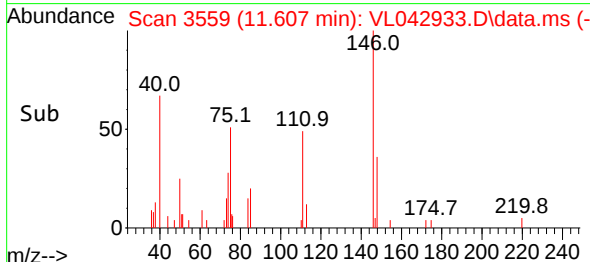
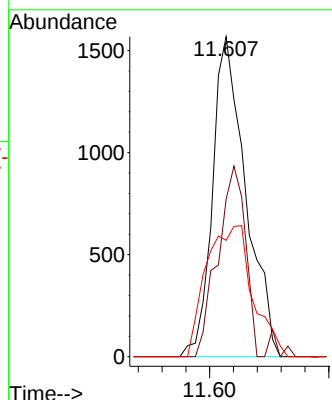
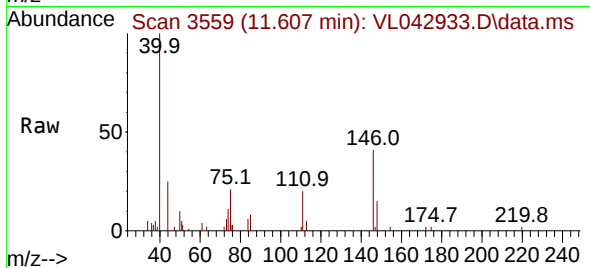
Tgt Ion:146 Resp: 1518

Ion Ratio Lower Upper

146 100

111 51.8 24.1 72.2

148 57.2 31.8 95.3



#76

1,4-Dichlorobenzene

Concen: 0.055 ppbv

RT: 11.678 min Scan# 3581

Delta R.T. 0.000 min

Lab File: VL042933.D

Acq: 17 Sep 2025 12:32

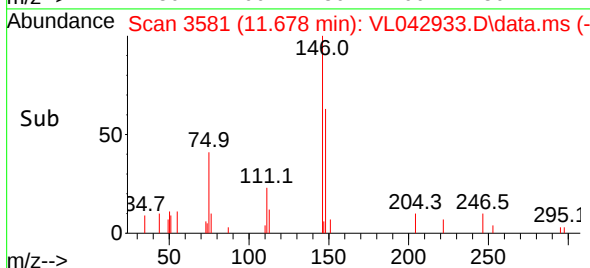
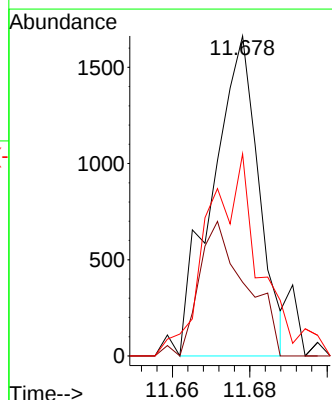
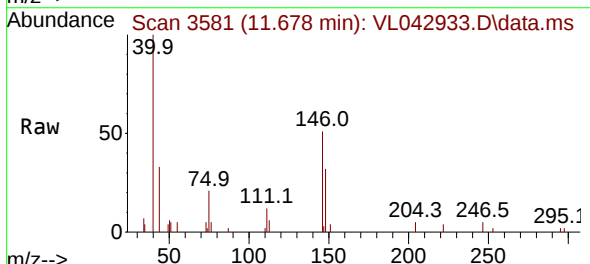
Tgt Ion:146 Resp: 1377

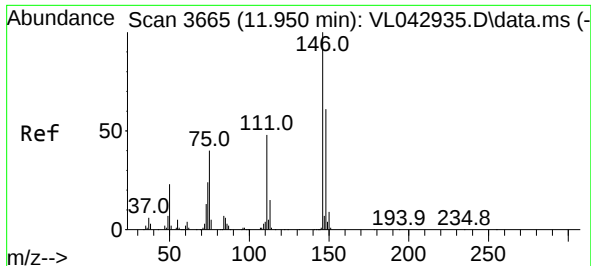
Ion Ratio Lower Upper

146 100

111 42.9 23.0 69.0

148 72.5 31.8 95.4

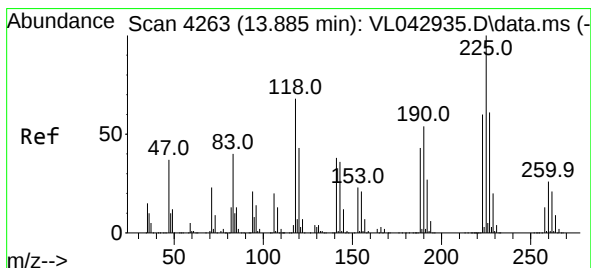
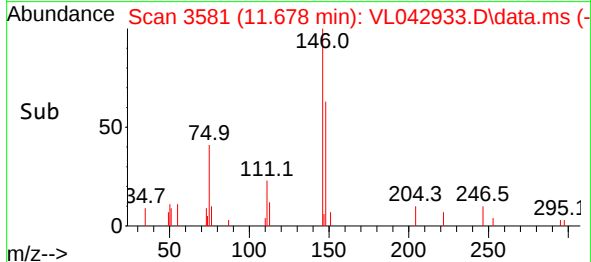
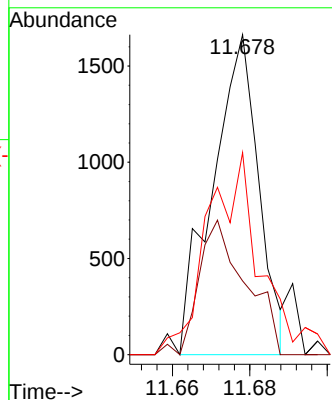
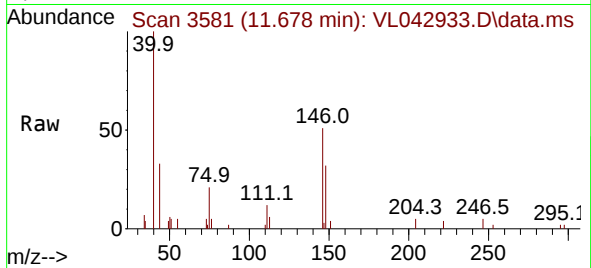




#77
1,2-Dichlorobenzene
Concen: 0.052 ppbv
RT: 11.678 min Scan# 31
Delta R.T. -0.272 min
Lab File: VL042933.D
Acq: 17 Sep 2025 12:32

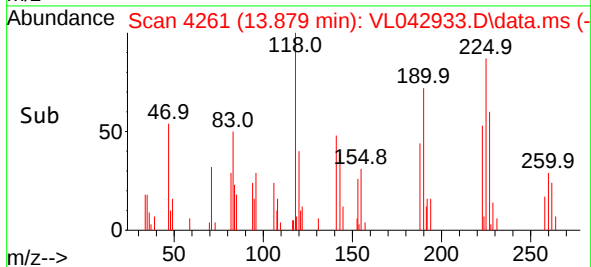
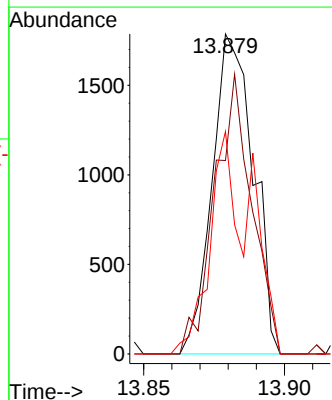
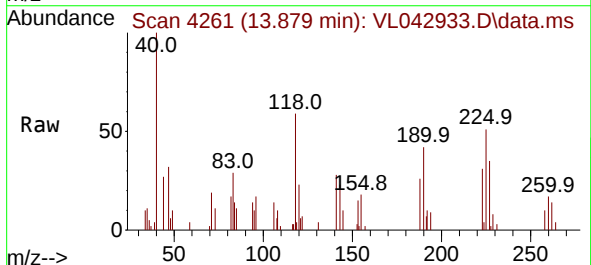
Instrument :
MSVOA_L
ClientSampleId :

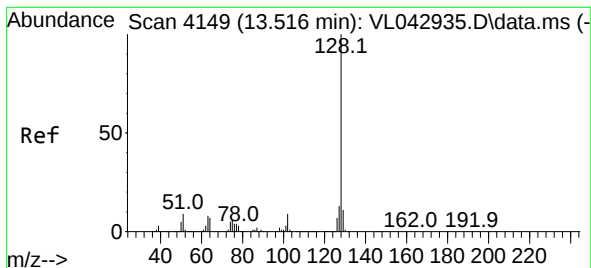
Tgt Ion:146 Resp: 1377
Ion Ratio Lower Upper
146 100
111 42.9 24.6 73.8
148 72.5 31.4 94.2



#78
Hexachloro-1,3-Butadiene
Concen: 0.108 ppbv
RT: 13.879 min Scan# 4261
Delta R.T. -0.006 min
Lab File: VL042933.D
Acq: 17 Sep 2025 12:32

Tgt Ion:225 Resp: 1812
Ion Ratio Lower Upper
225 100
223 79.4 50.6 76.0#
227 68.5 50.5 75.7





#79

Naphthalene

Concen: 0.389 ppbv

RT: 13.520 min Scan# 4149

Delta R.T. 0.004 min

Lab File: VL042933.D

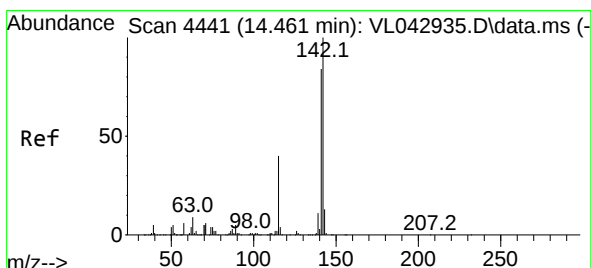
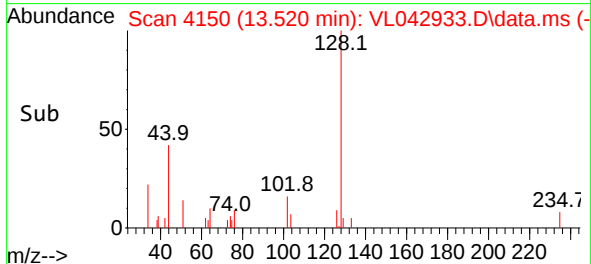
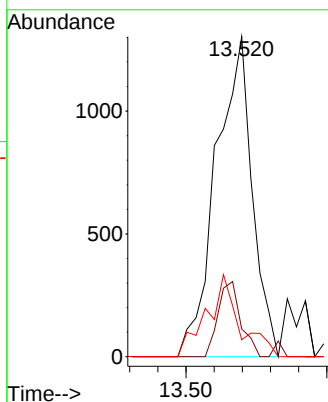
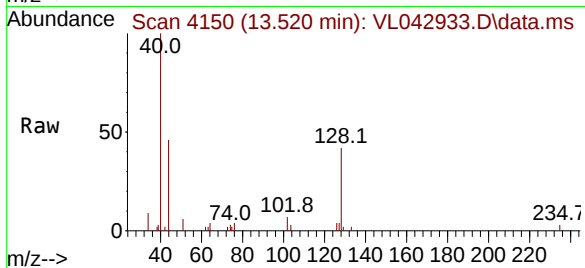
Acq: 17 Sep 2025 12:32

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:128	Resp:	1162
Ion Ratio	Lower	Upper
128	100	
127	8.7	10.3 15.5#
129	5.3	8.7 13.1#



#80

Naphthalene,2-methyl-

Concen: 0.823 ppbv

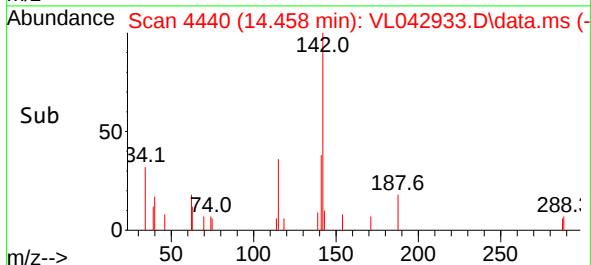
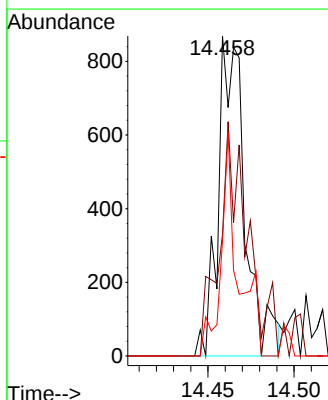
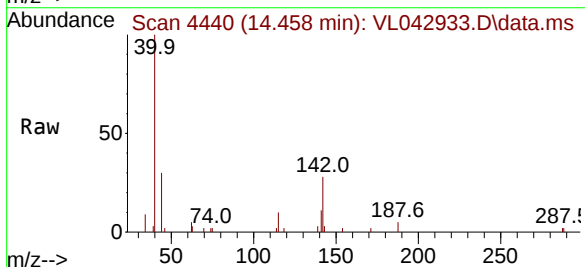
RT: 14.458 min Scan# 4440

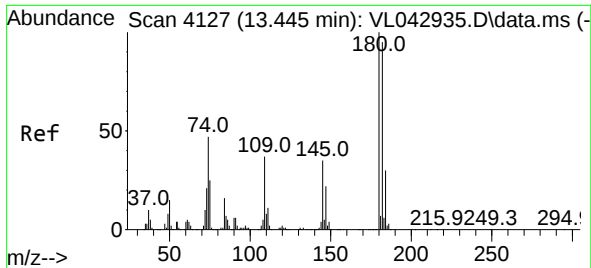
Delta R.T. -0.003 min

Lab File: VL042933.D

Acq: 17 Sep 2025 12:32

Tgt Ion:142	Resp:	944
Ion Ratio	Lower	Upper
142	100	
141	77.1	67.0 100.6
115	44.4	32.0 48.0





#81

1,2,4-Trichlorobenzene

Concen: 0.450 ppbv

RT: 13.442 min Scan# 41

Delta R.T. -0.003 min

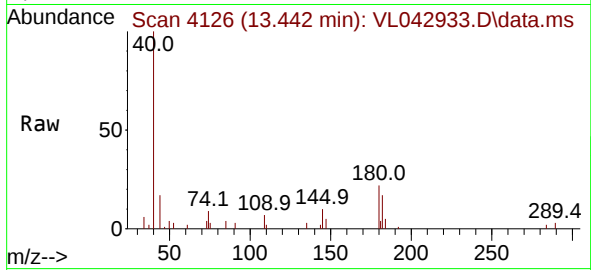
Lab File: VL042933.D

Acq: 17 Sep 2025 12:32

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion:180 Resp: 536

Ion Ratio Lower Upper

180 100

182 134.9 75.5 113.3#

184 41.4 24.6 37.0#

