

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL093025\
 Data File : VL043017.D
 Acq On : 30 Sep 2025 08:30
 Operator : SY/MD
 Sample : VSTDIC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Sep 30 23:54:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL093025AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Sep 30 23:54:02 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.787	49	155809	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	487391	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	437801	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	333296	10.050	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.500%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	13909	0.516	ppbv	96
3) Chlorodifluoromethane	1.476	51	15108	0.526	ppbv	97
4) Chloromethane	1.534	50	5368	0.524	ppbv	100
5) Vinyl Chloride	1.583	62	4651	0.469	ppbv	95
6) Bromomethane	1.670	94	1864	0.520	ppbv	83
7) Chloroethane	1.706	64	2143	0.541	ppbv	93
8) Dichlorotetrafluoroethane	1.557	85	11243	0.512	ppbv	100
9) Propene	1.486	41	5547	0.497	ppbv	93
10) Heptane	4.981	43	13352	0.464	ppbv	97
11) Trichlorofluoromethane	1.878	101	13591	0.500	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.143	101	10968	0.509	ppbv	95
13) Ethanol	1.722	45	867	0.013	ppbv #	1
14) Bromoethene	1.784	108	4217	0.525	ppbv #	95
15) Acetone	1.839	43	13824	0.622	ppbv	92
16) 1,3-Butadiene	1.612	39	5421	0.576	ppbv	98
17) tert-Butyl alcohol	2.043	59	14709	0.593	ppbv	96
18) 1,1-Dichloroethene	2.036	96	5109	0.528	ppbv	94
19) Isopropyl Alcohol	1.887	45	7646	0.585	ppbv #	72
20) Methylene Chloride	2.062	84	10046	0.534	ppbv	96
21) Allyl Chloride	2.098	41	7884	0.525	ppbv	93
22) trans-1,2-Dichloroethene	2.344	96	5663	0.517	ppbv	98
23) Vinyl Acetate	2.463	43	16379	0.534	ppbv #	96
24) 1,1-Dichloroethane	2.408	63	10419	0.505	ppbv	96
25) Ethyl Acetate	2.839	43	30124	0.532	ppbv	99
26) Hexane	2.826	57	18454	0.626	ppbv #	80
27) Carbon Disulfide	2.153	76	13476	0.520	ppbv #	1
28) Methyl tert-Butyl Ether	2.444	73	7291	0.505	ppbv #	86
29) Chloroform	2.849	83	18387	0.501	ppbv	95
30) Cyclohexane	3.855	84	9649	0.475	ppbv	92
31) cis-1,2-Dichloroethene	2.722	61	11699	0.489	ppbv	98
32) 1,1,1-Trichloroethane	3.370	97	17760	0.478	ppbv	98
34) 2-Butanone	2.560	43	17316	0.505	ppbv	99
35) Carbon Tetrachloride	3.764	117	19034	0.481	ppbv	99
36) Benzene	3.658	78	24515	0.502	ppbv #	92
37) 1,2-Dichloroethane	3.221	62	14250	0.511	ppbv	100
38) Trichloroethene	4.548	130	12168	0.486	ppbv	92
39) 1,2-Dichloropropane	4.315	63	9342	0.521	ppbv	83
40) 1,4-Dioxane	4.603	88	3924	0.516	ppbv #	83
41) Tetrahydrofuran	3.062	42	8888	0.486	ppbv	97
42) Bromodichloromethane	4.489	83	19083	0.492	ppbv #	98
43) Methyl Methacrylate	4.884	69	7687	0.448	ppbv	95
44) 2,2,4-Trimethylpentane	4.638	57	21318	0.265	ppbv #	45
45) t-1,3-Dichloropropene	6.415	75	7767	0.398	ppbv	90

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 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Sep 30 23:54:02 2025
 Response via : Initial Calibration

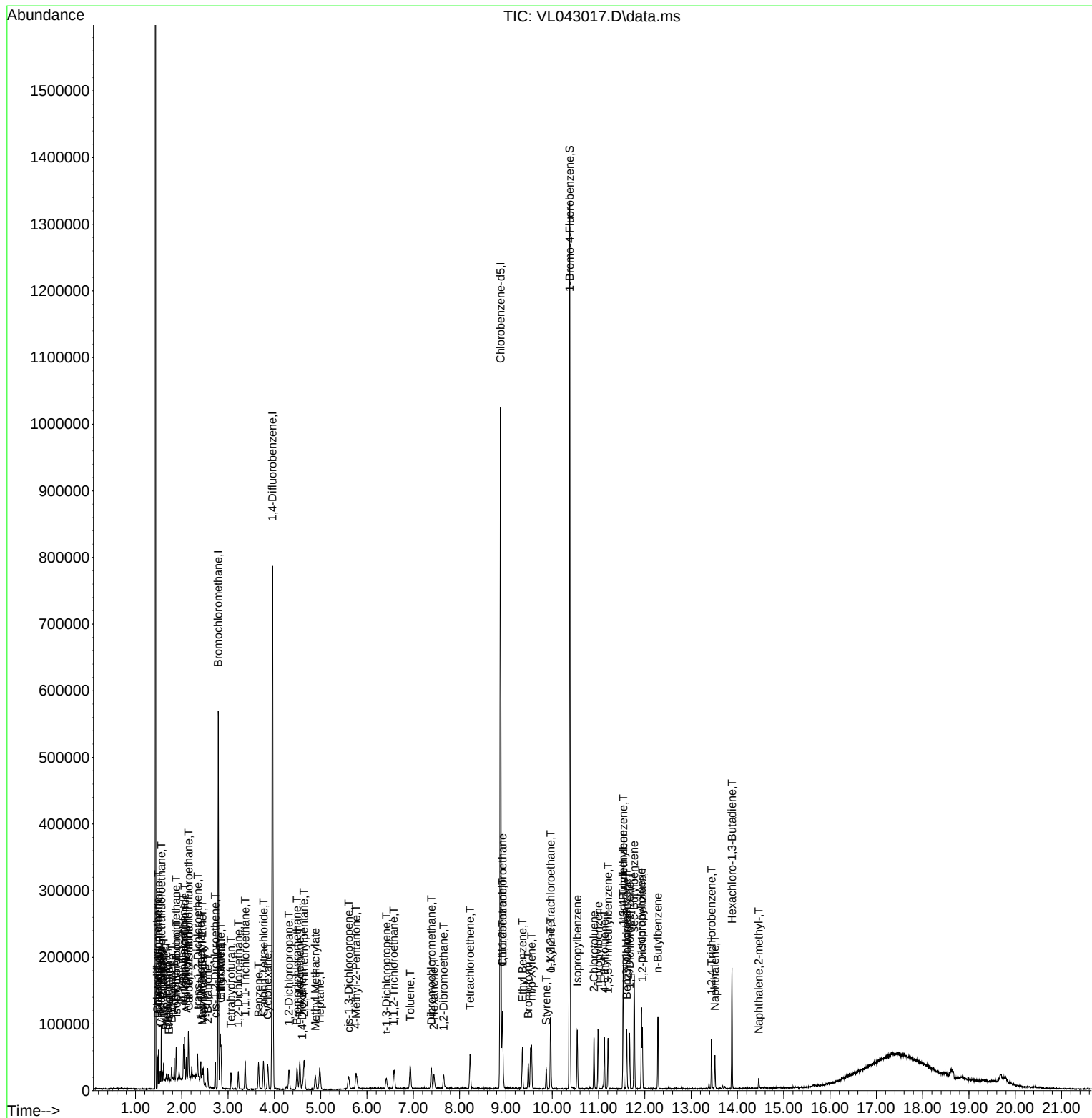
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.606	75	5406	0.212	ppbv	92
47) 1,1,2-Trichloroethane	6.580	97	5984	0.314	ppbv	93
48) Dibromochloromethane	7.393	129	16213	0.494	ppbv	99
49) Bromoform	9.484	173	12975	0.466	ppbv	97
50) 4-Methyl-2-Pentanone	5.765	43	13289	0.303	ppbv #	65
51) 2-Hexanone	7.445	43	14633	0.453	ppbv #	95
52) Tetrachloroethene	8.225	164	9039	0.464	ppbv	92
53) Toluene	6.933	91	26144	0.480	ppbv	99
54) 1,2-Dibromoethane	7.655	107	13088	0.493	ppbv	92
56) 1,1,1,2-Tetrachloroethane	8.924	131	12010	0.484	ppbv #	1
57) Chlorobenzene	8.924	112	22360	0.495	ppbv	97
58) Ethyl Benzene	9.357	91	35069	0.473	ppbv	97
59) m/p-Xylene	9.552	91	23255	0.389	ppbv #	29
60) o-Xylene	9.966	91	26941	0.454	ppbv	98
61) Styrene	9.872	104	11039	0.439	ppbv	97
62) Isopropylbenzene	10.542	105	41095	0.465	ppbv	98
63) 1,1,2,2-Tetrachloroethane	9.966	83	15583	0.489	ppbv	98
64) n-propylbenzene	10.992	120	10663	0.463	ppbv	97
65) tert-Butylbenzene	11.532	119	36952	0.462	ppbv	98
66) Benzyl Chloride	11.613	91	3023	0.474	ppbv	97
67) sec-Butylbenzene	11.769	105	53153	0.476	ppbv	97
69) p-Isopropyltoluene	11.927	119	41409	0.446	ppbv	99
70) n-Butylbenzene	12.283	91	38473	0.429	ppbv	95
71) 2-Chlorotoluene	10.901	91	30635	0.465	ppbv	99
72) 4-Ethyltoluene	11.128	105	32889	0.451	ppbv	98
73) 1,3,5-Trimethylbenzene	11.206	105	28249	0.459	ppbv	99
74) 1,2,4-Trimethylbenzene	11.536	105	31726	0.457	ppbv	93
75) 1,3-Dichlorobenzene	11.607	146	21220	0.478	ppbv	100
76) 1,4-Dichlorobenzene	11.672	146	20481	0.472	ppbv	98
77) 1,2-Dichlorobenzene	11.947	146	21043	0.486	ppbv	99
78) Hexachloro-1,3-Butadiene	13.882	225	18149	0.524	ppbv	97
79) Naphthalene	13.513	128	22315	0.407	ppbv #	96
80) Naphthalene,2-methyl-	14.462	142	5422	0.382	ppbv	96
81) 1,2,4-Trichlorobenzene	13.439	180	12539	0.377	ppbv	98

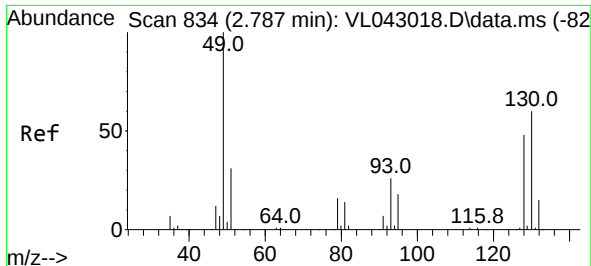
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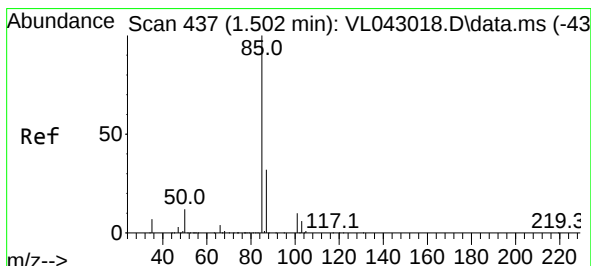
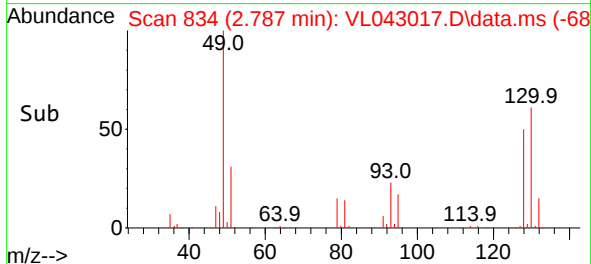
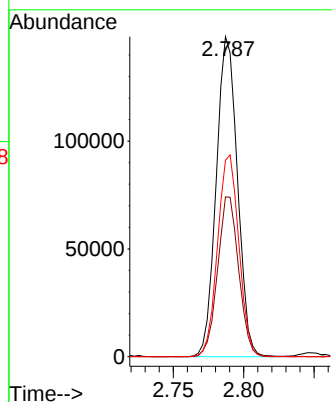
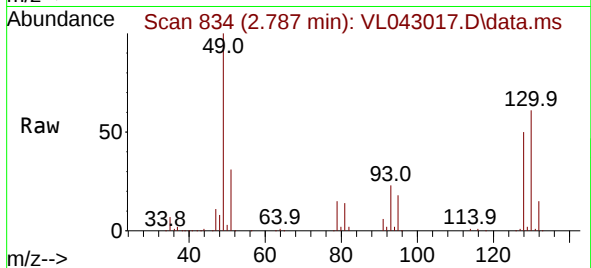




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 2.787 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VL043017.D
 Acq: 30 Sep 2025 08:30

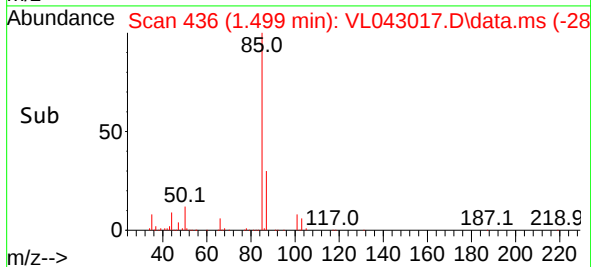
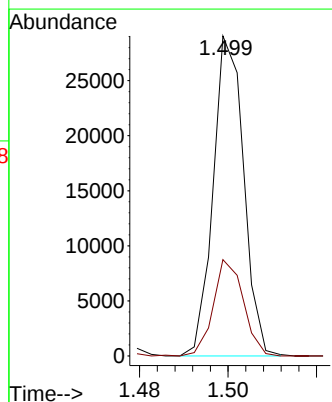
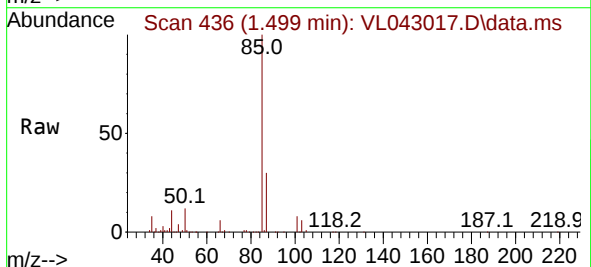
Instrument :
 MSVOA_L
 ClientSampleId :

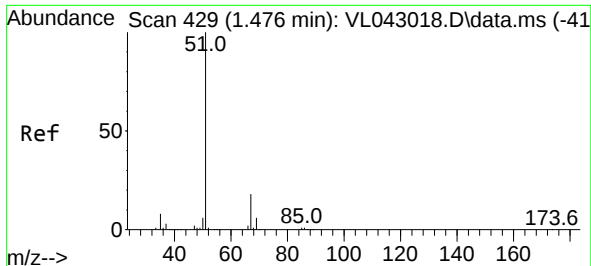
Tgt Ion: 49 Resp: 155809
 Ion Ratio Lower Upper
 49 100
 128 49.6 25.2 75.6
 130 63.2 31.6 94.7



#2
 Dichlorodifluoromethane
 Concen: 0.516 ppbv
 RT: 1.499 min Scan# 436
 Delta R.T. -0.003 min
 Lab File: VL043017.D
 Acq: 30 Sep 2025 08:30

Tgt Ion: 85 Resp: 13909
 Ion Ratio Lower Upper
 85 100
 87 30.1 25.8 38.6





#3

Chlorodifluoromethane

Concen: 0.526 ppbv

RT: 1.476 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL043017.D

Acq: 30 Sep 2025 08:30

Instrument :

MSVOA_L

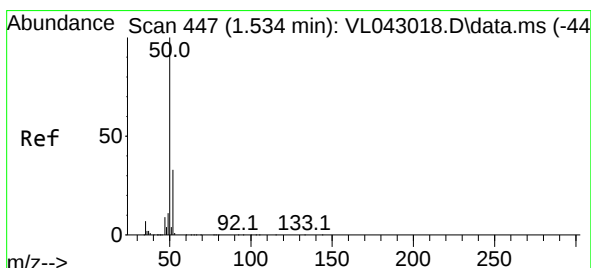
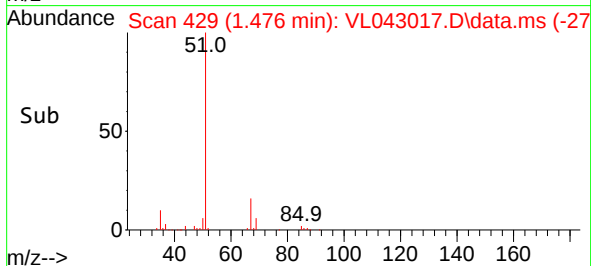
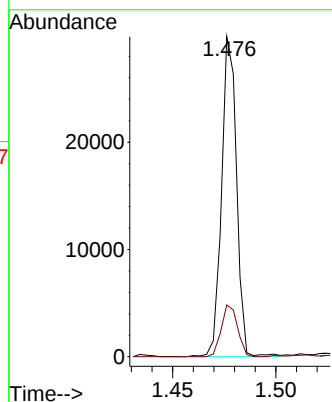
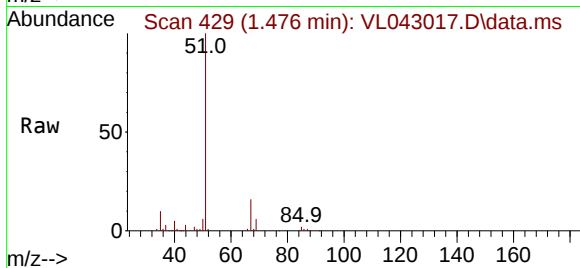
ClientSampleId :

Tgt Ion: 51 Resp: 15108

Ion Ratio Lower Upper

51 100

67 17.7 15.1 22.7



#4

Chloromethane

Concen: 0.524 ppbv

RT: 1.534 min Scan# 447

Delta R.T. 0.000 min

Lab File: VL043017.D

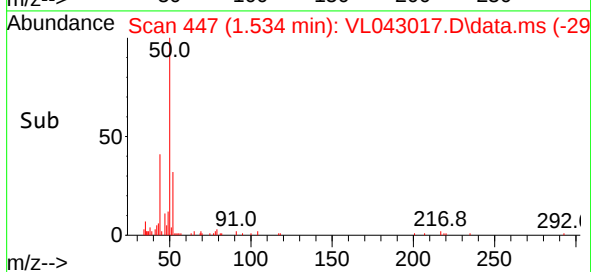
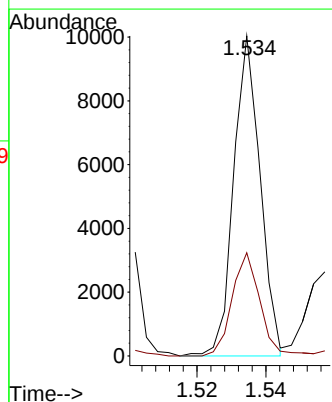
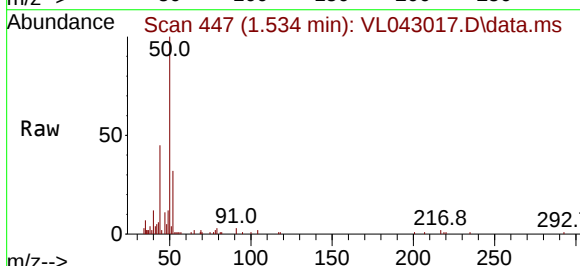
Acq: 30 Sep 2025 08:30

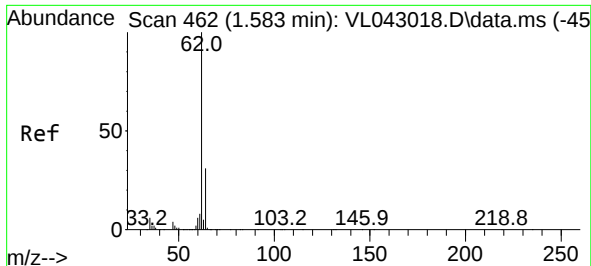
Tgt Ion: 50 Resp: 5368

Ion Ratio Lower Upper

50 100

52 32.2 26.0 39.0

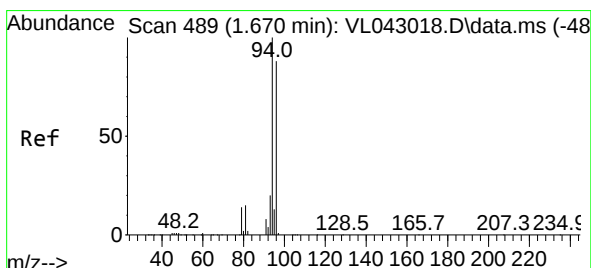
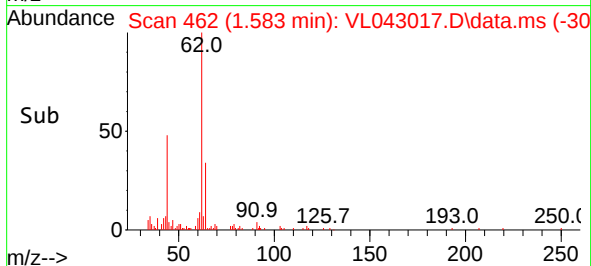
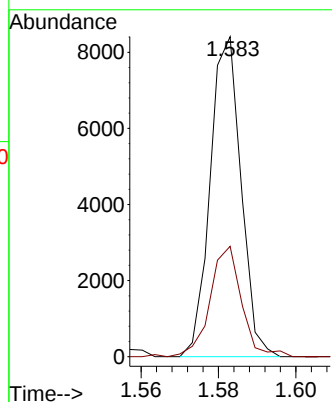
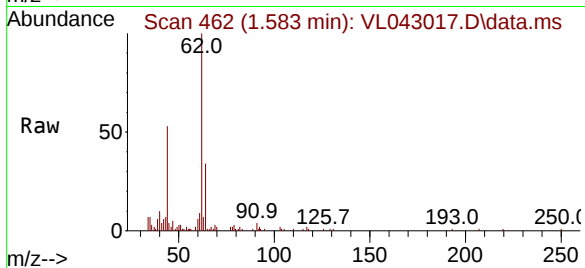




#5
 Vinyl Chloride
 Concen: 0.469 ppbv
 RT: 1.583 min Scan# 462
 Delta R.T. 0.000 min
 Lab File: VL043017.D
 Acq: 30 Sep 2025 08:30

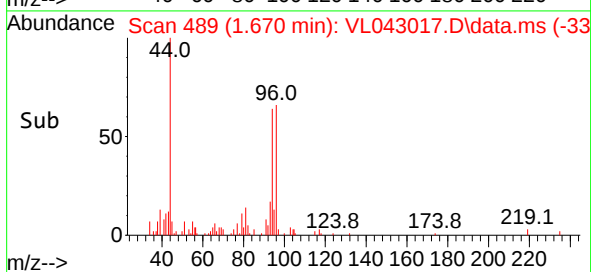
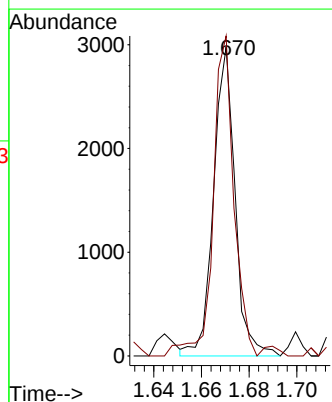
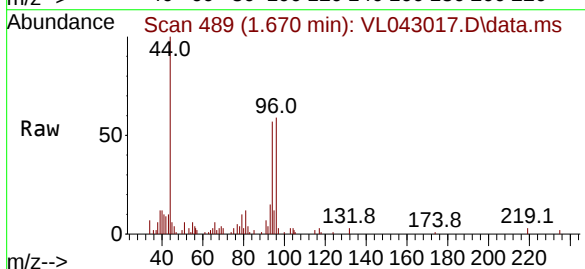
Instrument :
 MSVOA_L
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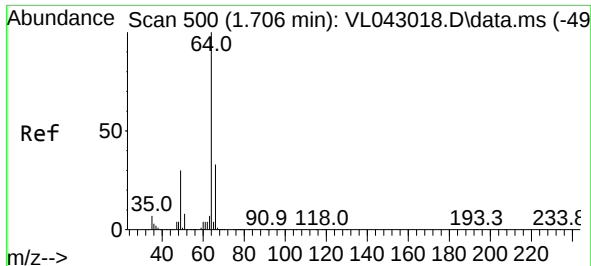
Tgt Ion: 62 Resp: 4651
 Ion Ratio Lower Upper
 62 100
 64 33.6 24.6 37.0



#6
 Bromomethane
 Concen: 0.520 ppbv
 RT: 1.670 min Scan# 489
 Delta R.T. 0.000 min
 Lab File: VL043017.D
 Acq: 30 Sep 2025 08:30

Tgt Ion: 94 Resp: 1864
 Ion Ratio Lower Upper
 94 100
 96 104.0 70.5 105.7

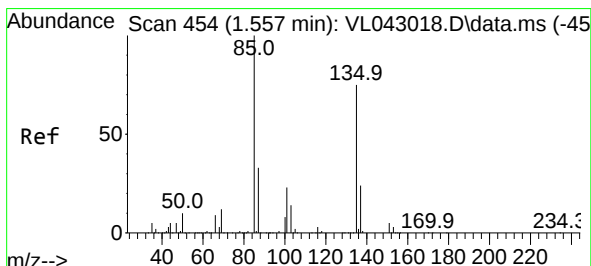
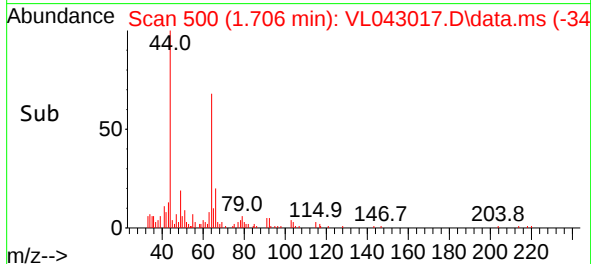
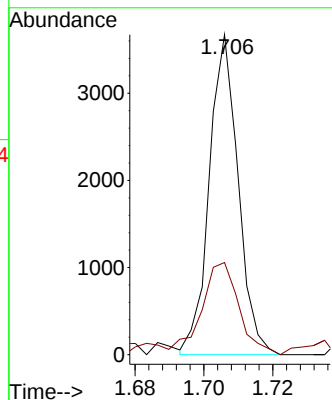
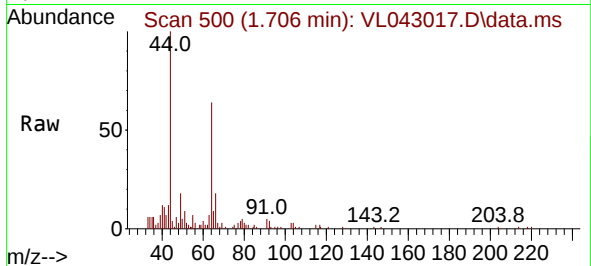




#7
Chloroethane
Concen: 0.541 ppbv
RT: 1.706 min Scan# 500
Delta R.T. 0.000 min
Lab File: VL043017.D
Acq: 30 Sep 2025 08:30

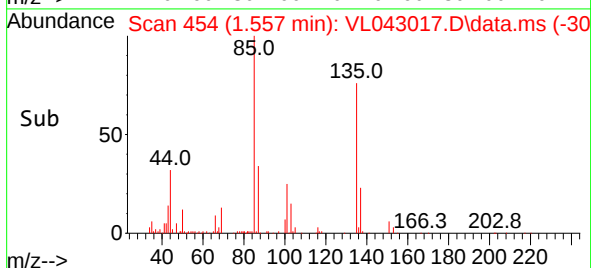
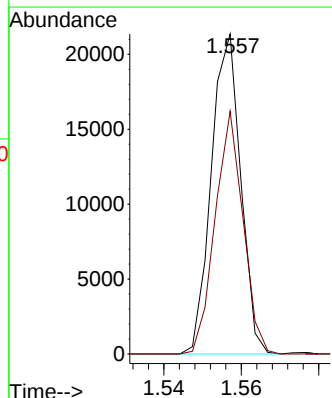
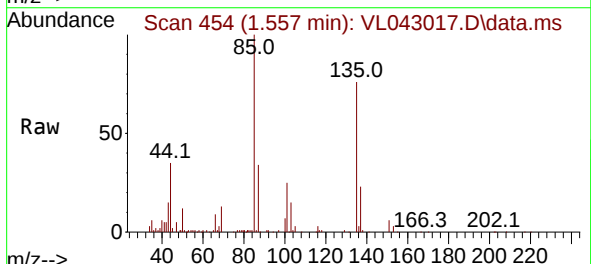
Instrument :
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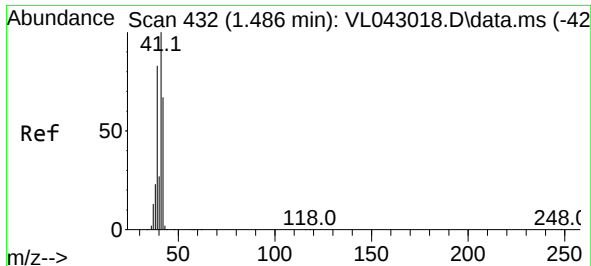
Tgt Ion: 64 Resp: 2143
Ion Ratio Lower Upper
64 100
66 28.8 26.0 39.0



#8
Dichlorotetrafluoroethane
Concen: 0.512 ppbv
RT: 1.557 min Scan# 454
Delta R.T. 0.000 min
Lab File: VL043017.D
Acq: 30 Sep 2025 08:30

Tgt Ion: 85 Resp: 11243
Ion Ratio Lower Upper
85 100
135 72.1 57.4 86.0





#9

Propene

Concen: 0.497 ppbv

RT: 1.486 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL043017.D

Acq: 30 Sep 2025 08:30

Instrument :

MSVOA_L

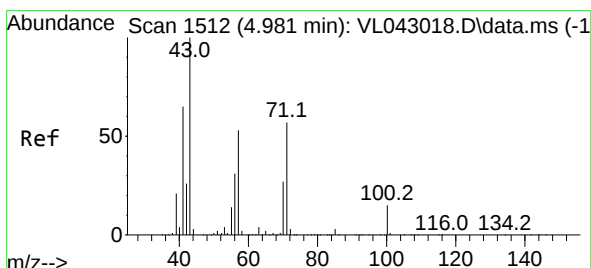
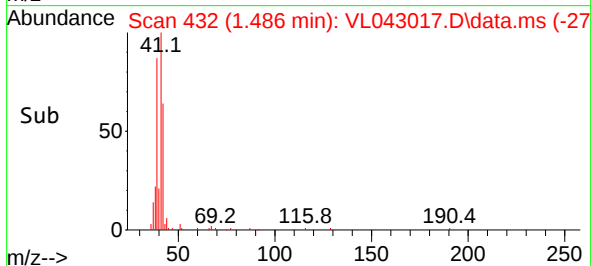
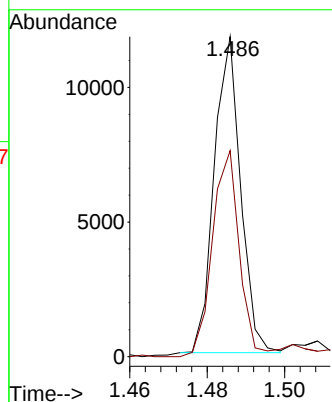
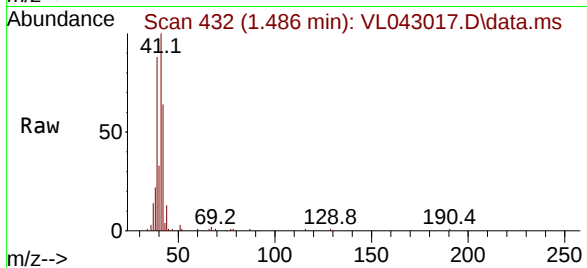
ClientSampleId :

Tgt Ion: 41 Resp: 5547

Ion Ratio Lower Upper

41 100

42 73.2 54.2 81.2



#10

Heptane

Concen: 0.464 ppbv

RT: 4.981 min Scan# 1512

Delta R.T. 0.000 min

Lab File: VL043017.D

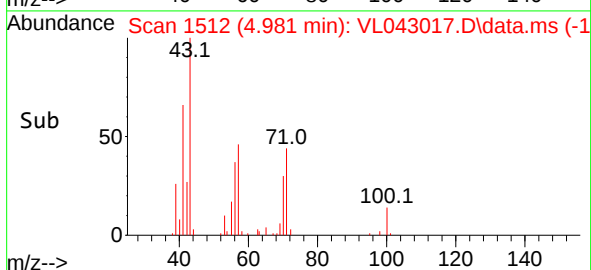
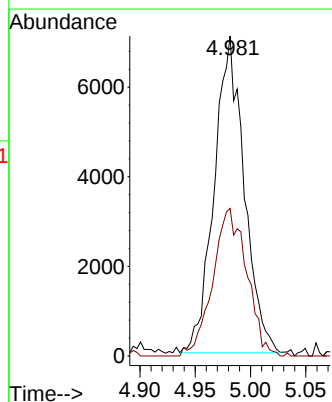
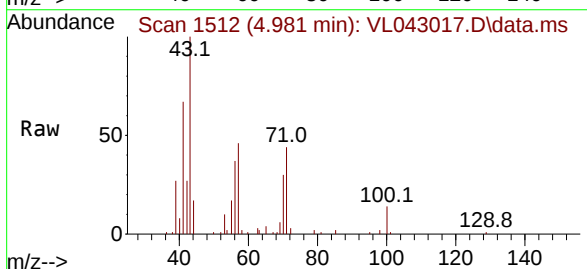
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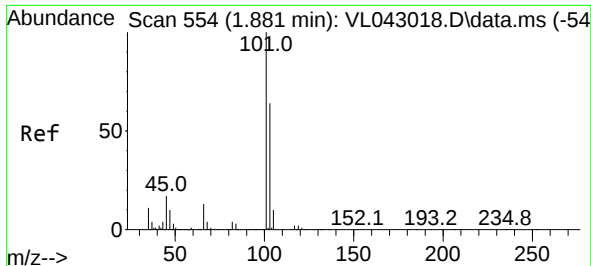
Tgt Ion: 43 Resp: 13352

Ion Ratio Lower Upper

43 100

57 52.7 40.5 60.7

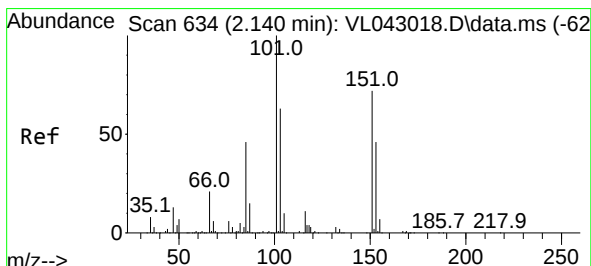
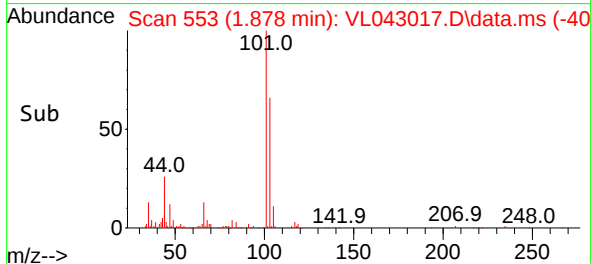
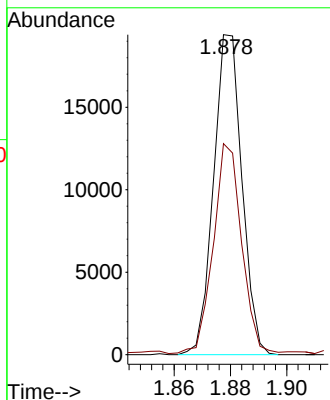
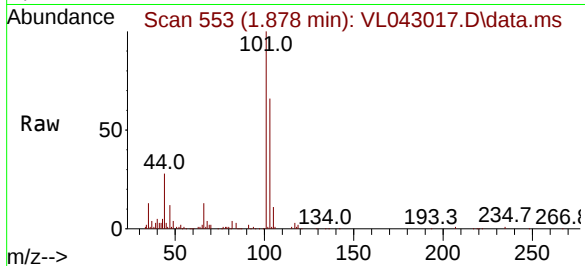




#11
 Trichlorofluoromethane
 Concen: 0.500 ppbv
 RT: 1.878 min Scan# 51
 Delta R.T. -0.003 min
 Lab File: VL043017.D
 Acq: 30 Sep 2025 08:30

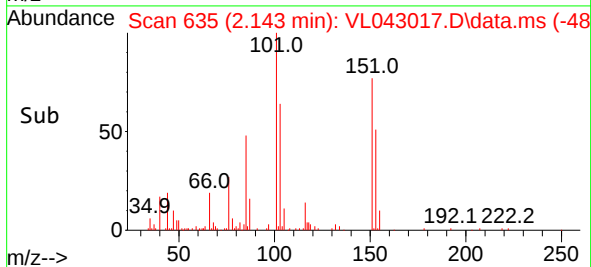
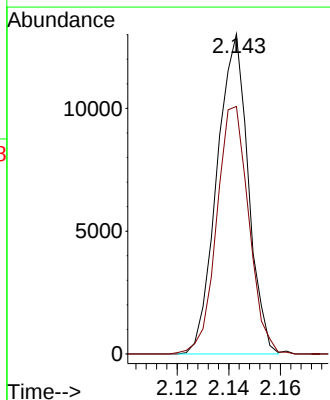
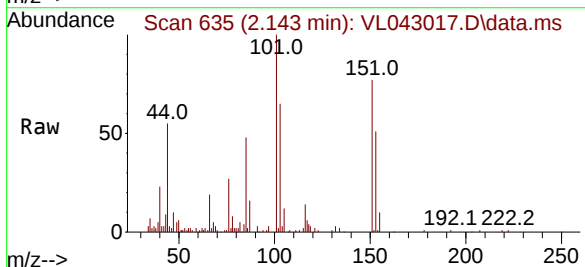
Instrument :
 MSVOA_L
 ClientSampleId :

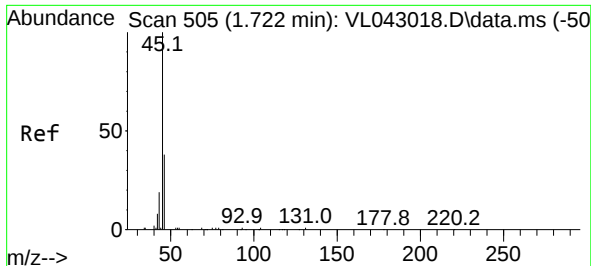
Tgt Ion:101 Resp: 13591
 Ion Ratio Lower Upper
 101 100
 103 65.2 51.4 77.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.509 ppbv
 RT: 2.143 min Scan# 635
 Delta R.T. 0.003 min
 Lab File: VL043017.D
 Acq: 30 Sep 2025 08:30

Tgt Ion:101 Resp: 10968
 Ion Ratio Lower Upper
 101 100
 151 79.4 60.2 90.4

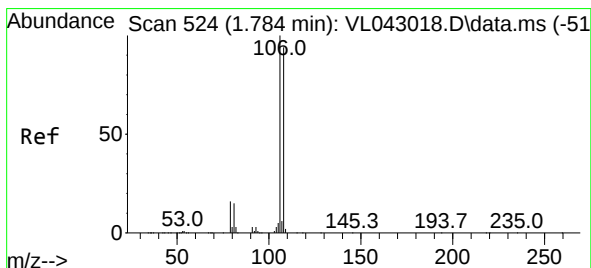
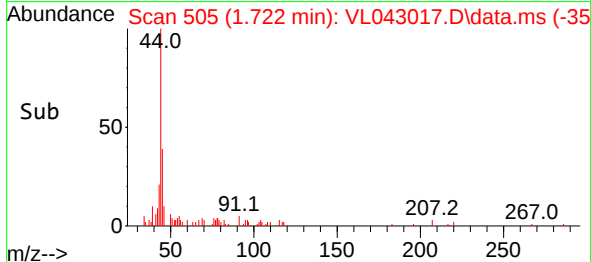
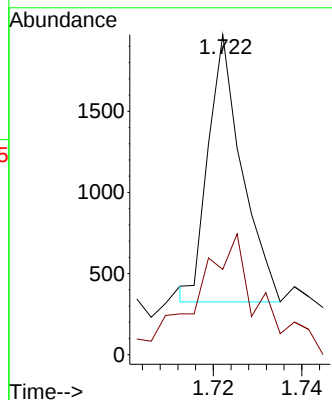
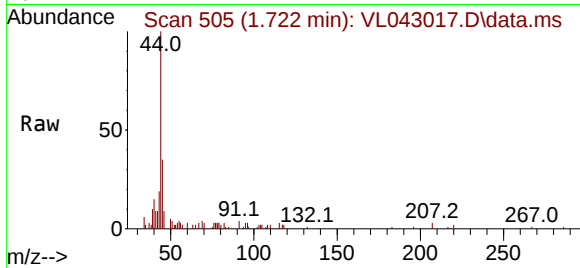




#13
Ethanol
Concen: 0.013 ppbv
RT: 1.722 min Scan# 505
Delta R.T. 0.000 min
Lab File: VL043017.D
Acq: 30 Sep 2025 08:30

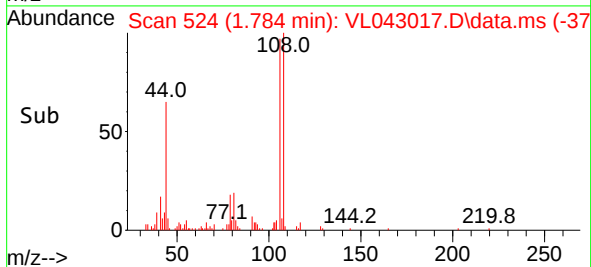
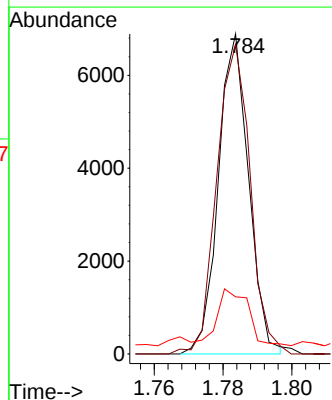
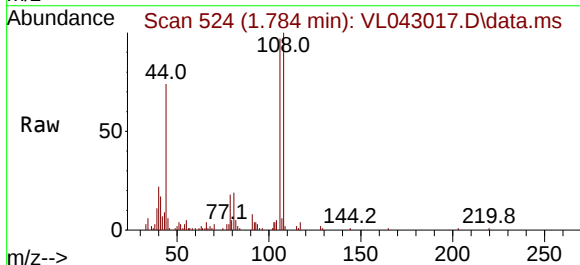
Instrument :
MSVOA_L
ClientSampleId :

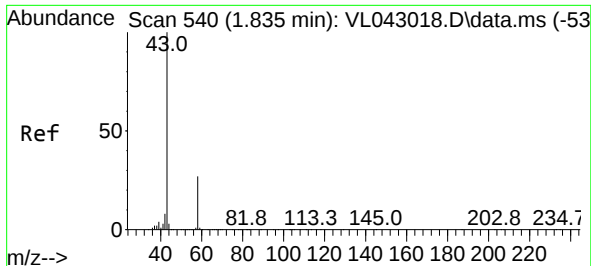
Tgt Ion: 45 Resp: 867
Ion Ratio Lower Upper
45 100
46 134.5 16.2 64.8#



#14
Bromoethene
Concen: 0.525 ppbv
RT: 1.784 min Scan# 524
Delta R.T. 0.000 min
Lab File: VL043017.D
Acq: 30 Sep 2025 08:30

Tgt Ion: 108 Resp: 4217
Ion Ratio Lower Upper
108 100
106 106.4 85.4 128.0
79 32.4 13.8 20.8#

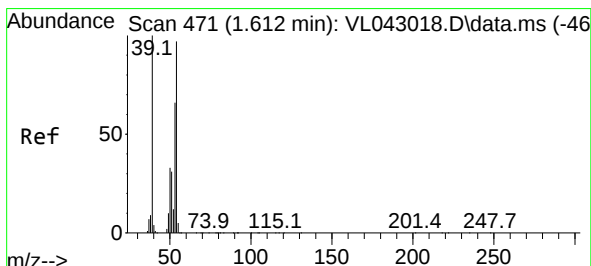
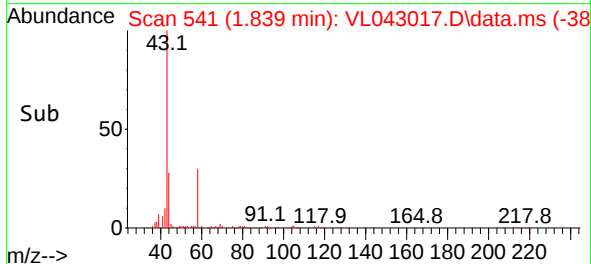
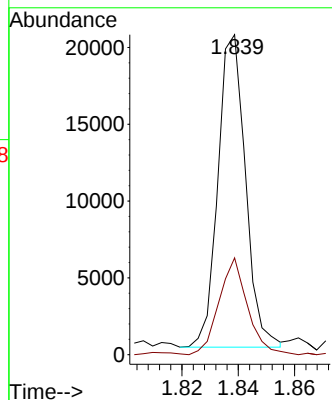
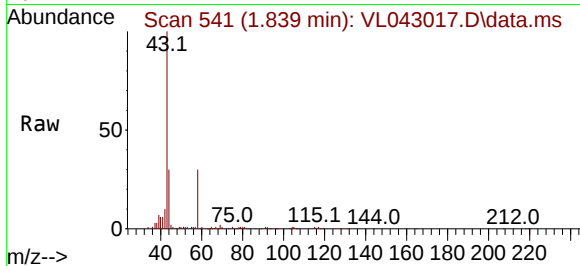




#15
Acetone
Concen: 0.622 ppbv
RT: 1.839 min Scan# 540
Delta R.T. 0.003 min
Lab File: VL043017.D
Acq: 30 Sep 2025 08:30

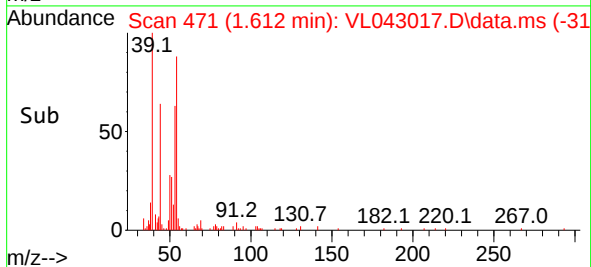
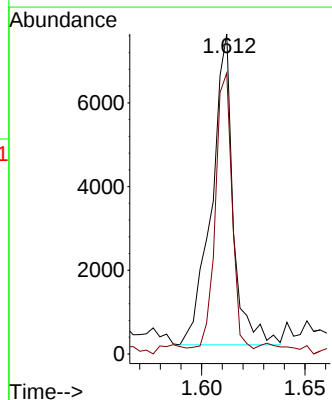
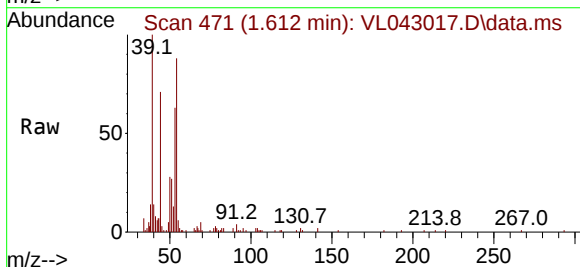
Instrument :
MSVOA_L
ClientSampleId :

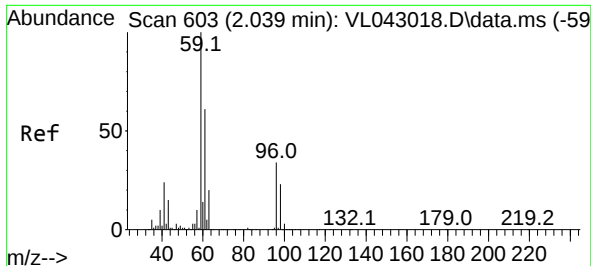
Tgt Ion: 43 Resp: 13824
Ion Ratio Lower Upper
43 100
58 32.7 22.8 34.2



#16
1,3-Butadiene
Concen: 0.576 ppbv
RT: 1.612 min Scan# 471
Delta R.T. 0.000 min
Lab File: VL043017.D
Acq: 30 Sep 2025 08:30

Tgt Ion: 39 Resp: 5421
Ion Ratio Lower Upper
39 100
54 79.9 65.4 98.2





#17

tert-Butyl alcohol

Concen: 0.593 ppbv

RT: 2.043 min Scan# 603

Delta R.T. 0.003 min

Lab File: VL043017.D

Acq: 30 Sep 2025 08:30

Instrument :

MSVOA_L

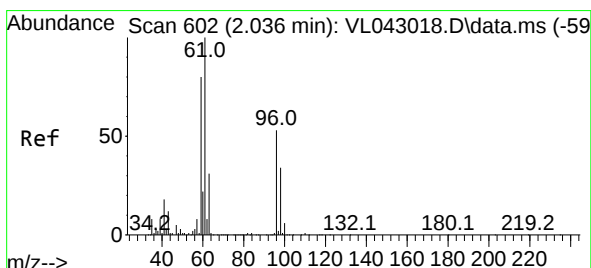
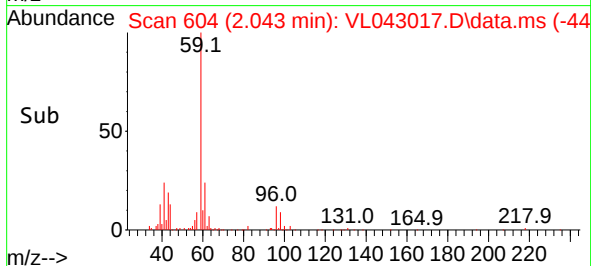
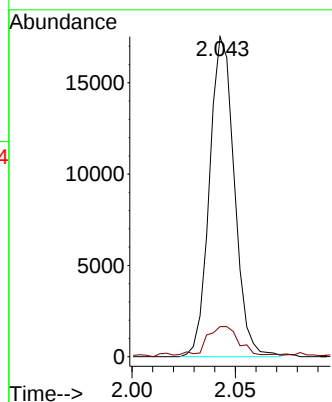
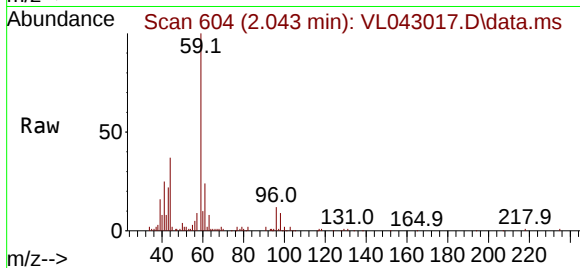
ClientSampleId :

Tgt Ion: 59 Resp: 14709

Ion Ratio Lower Upper

59 100

57 12.0 8.4 12.6



#18

1,1-Dichloroethene

Concen: 0.528 ppbv

RT: 2.036 min Scan# 602

Delta R.T. 0.000 min

Lab File: VL043017.D

Acq: 30 Sep 2025 08:30

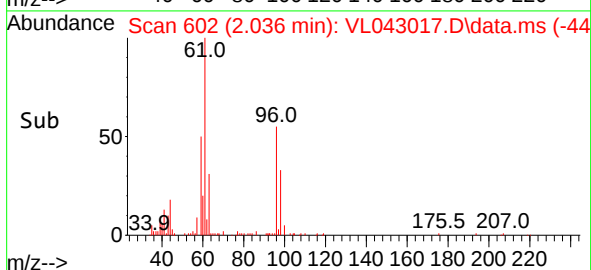
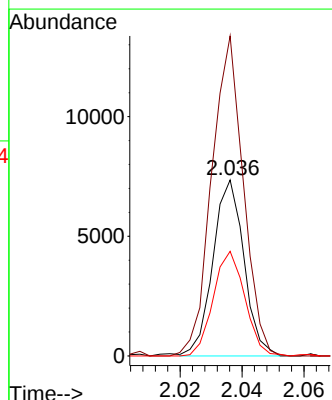
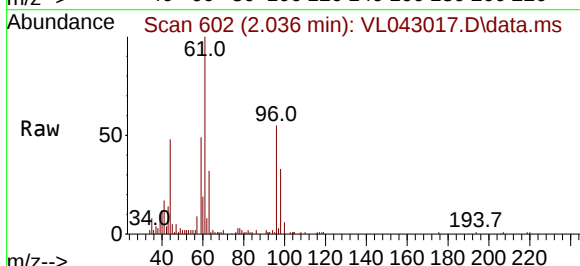
Tgt Ion: 96 Resp: 5109

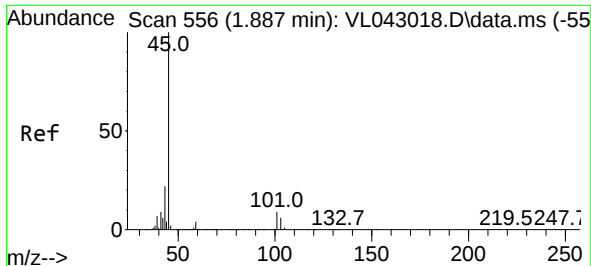
Ion Ratio Lower Upper

96 100

61 181.1 151.4 227.0

98 59.5 51.5 77.3





#19

Isopropyl Alcohol

Concen: 0.585 ppbv

RT: 1.887 min Scan# 556

Delta R.T. 0.000 min

Lab File: VL043017.D

Acq: 30 Sep 2025 08:30

Instrument :

MSVOA_L

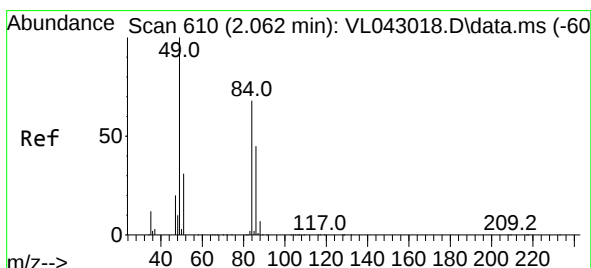
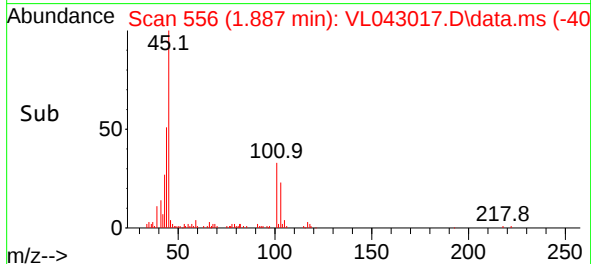
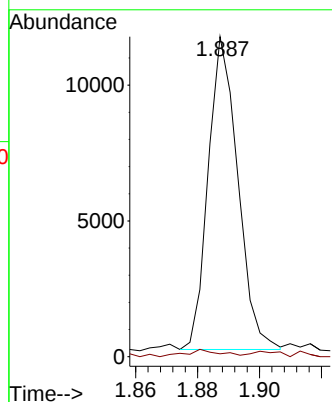
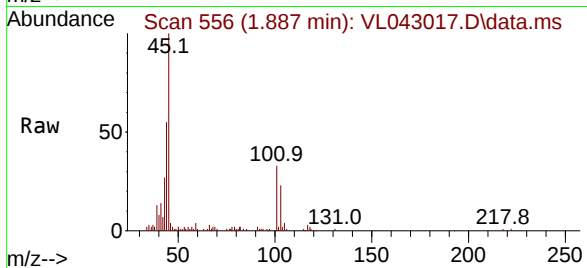
ClientSampleId :

Tgt Ion: 45 Resp: 7646

Ion Ratio Lower Upper

45 100

58 59.9 33.9 50.9#



#20

Methylene Chloride

Concen: 0.534 ppbv

RT: 2.062 min Scan# 610

Delta R.T. 0.000 min

Lab File: VL043017.D

Acq: 30 Sep 2025 08:30

Tgt Ion: 84 Resp: 10046

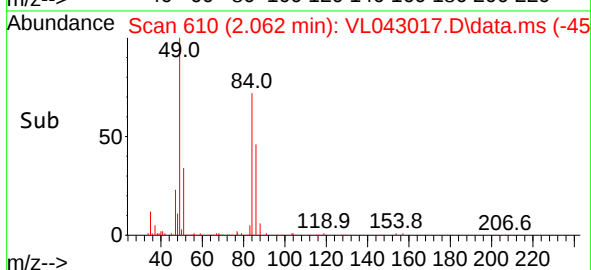
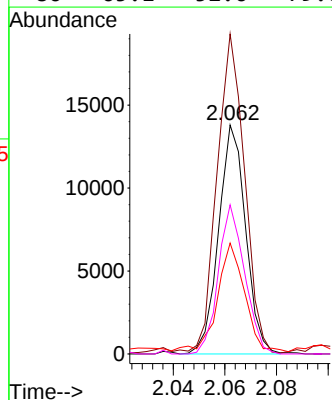
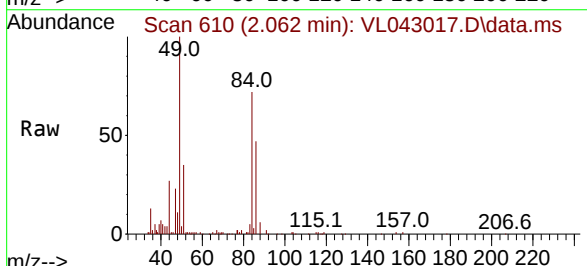
Ion Ratio Lower Upper

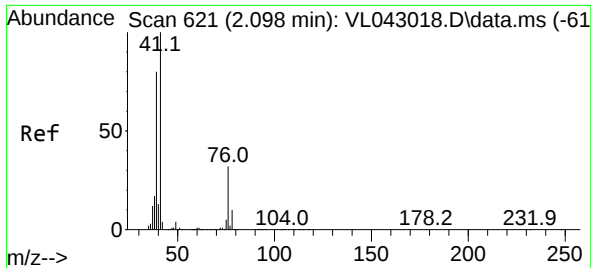
84 100

49 139.3 117.4 176.2

51 46.6 37.4 56.0

86 65.1 52.6 79.0

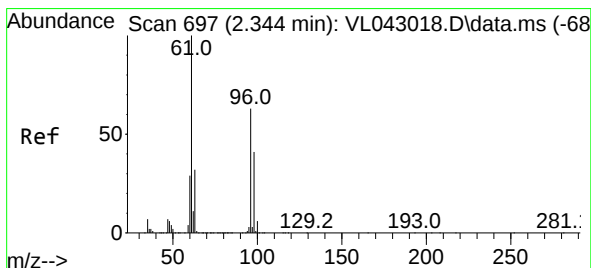
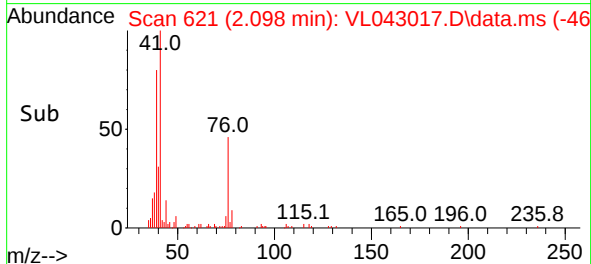
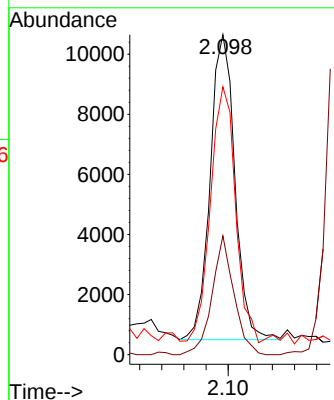
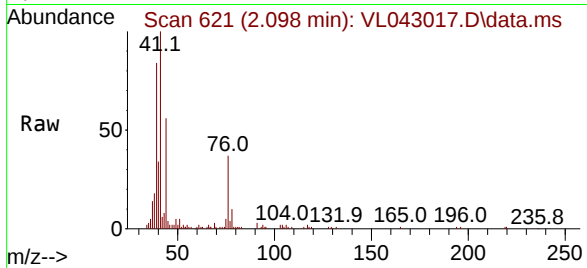




#21
 Allyl Chloride
 Concen: 0.525 ppbv
 RT: 2.098 min Scan# 61
 Delta R.T. 0.000 min
 Lab File: VL043017.D
 Acq: 30 Sep 2025 08:30

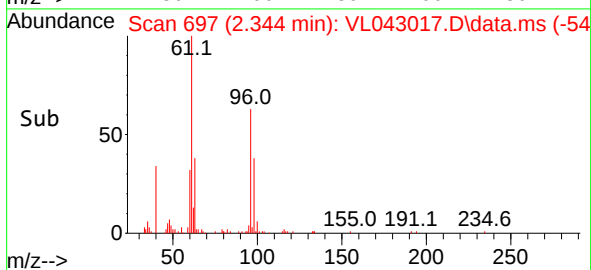
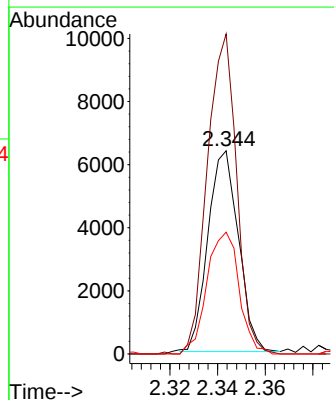
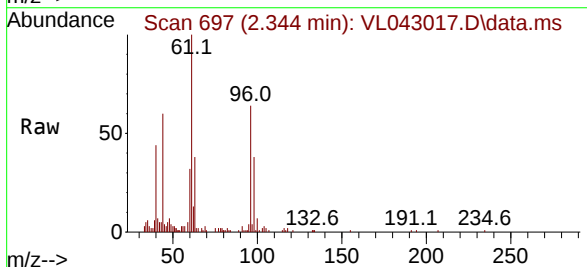
Instrument :
 MSVOA_L
 ClientSampleId :

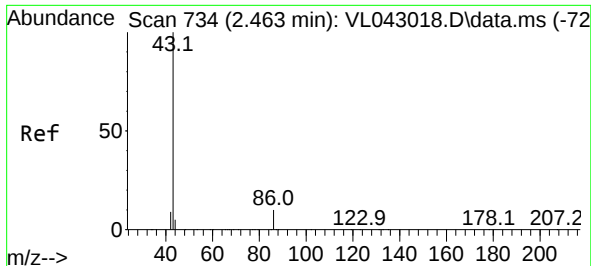
Tgt Ion: 41 Resp: 7884
 Ion Ratio Lower Upper
 41 100
 76 34.8 25.6 38.4
 39 85.1 62.6 94.0



#22
 trans-1,2-Dichloroethene
 Concen: 0.517 ppbv
 RT: 2.344 min Scan# 697
 Delta R.T. 0.000 min
 Lab File: VL043017.D
 Acq: 30 Sep 2025 08:30

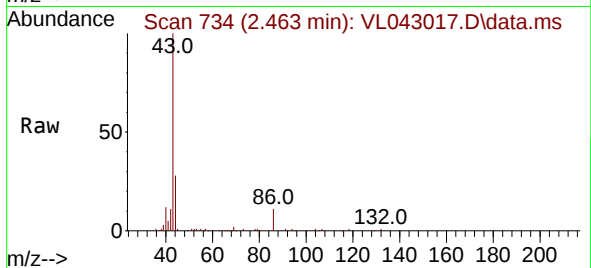
Tgt Ion: 96 Resp: 5663
 Ion Ratio Lower Upper
 96 100
 61 159.3 126.1 189.1
 98 60.6 51.3 76.9





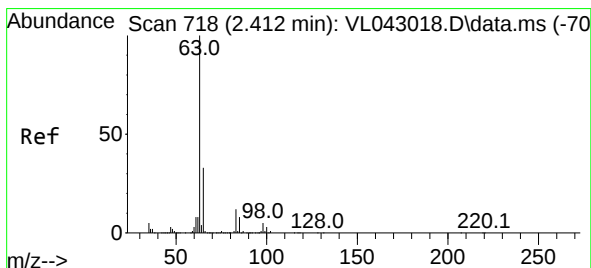
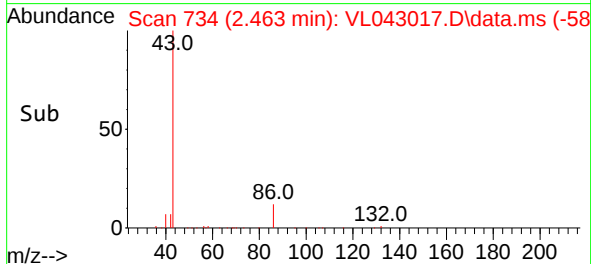
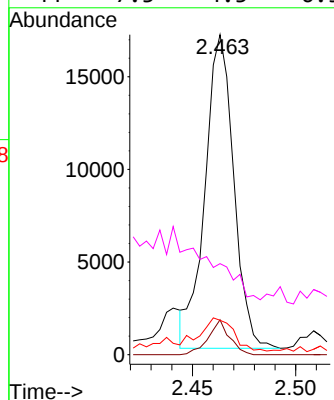
#23
 Vinyl Acetate
 Concen: 0.534 ppbv
 RT: 2.463 min Scan# 717
 Delta R.T. 0.000 min
 Lab File: VL043017.D
 Acq: 30 Sep 2025 08:30

Instrument :
 MSVOA_L
 ClientSampleId :



Tgt Ion: 43 Resp: 16379

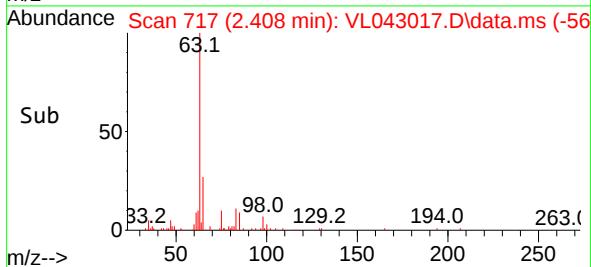
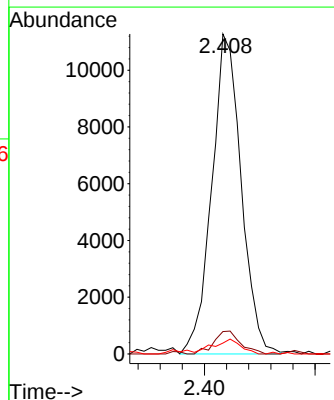
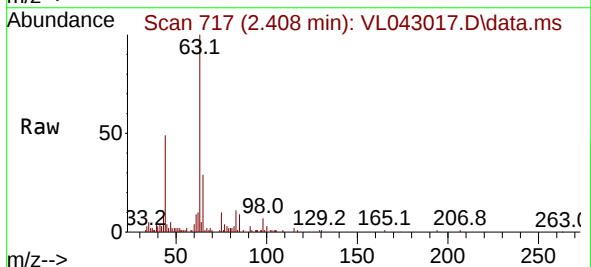
Ion	Ratio	Lower	Upper
43	100		
86	11.1	7.1	10.7#
42	9.6	7.9	11.9
44	7.3	4.3	6.5#

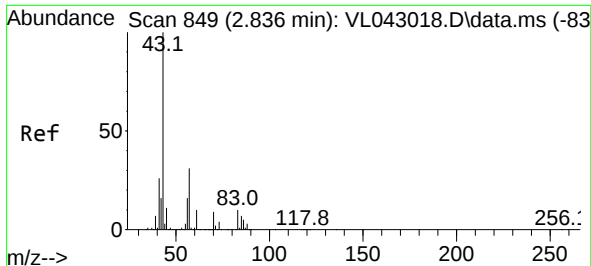


#24
 1,1-Dichloroethane
 Concen: 0.505 ppbv
 RT: 2.408 min Scan# 717
 Delta R.T. -0.003 min
 Lab File: VL043017.D
 Acq: 30 Sep 2025 08:30

Tgt Ion: 63 Resp: 10419

Ion	Ratio	Lower	Upper
63	100		
98	7.0	2.4	7.2
100	3.4	1.6	4.8

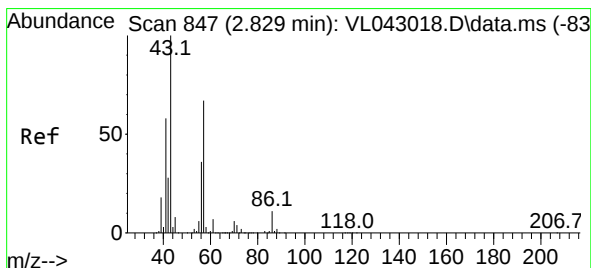
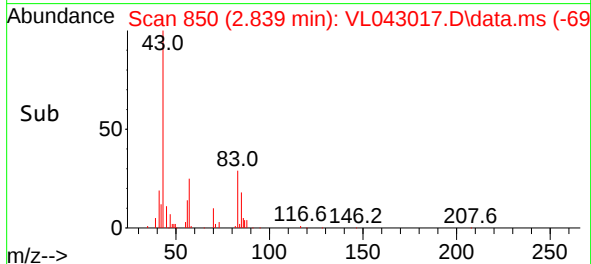
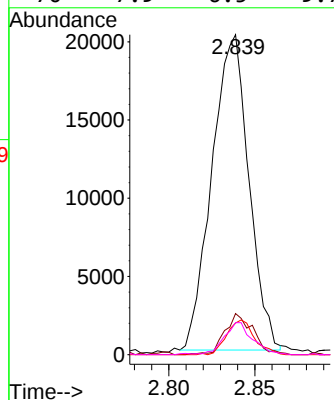
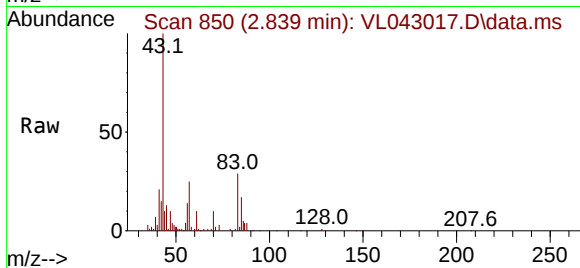




#25
Ethyl Acetate
Concen: 0.532 ppbv
RT: 2.839 min Scan# 849
Delta R.T. 0.003 min
Lab File: VL043017.D
Acq: 30 Sep 2025 08:30

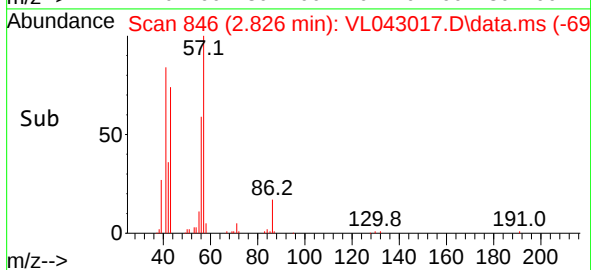
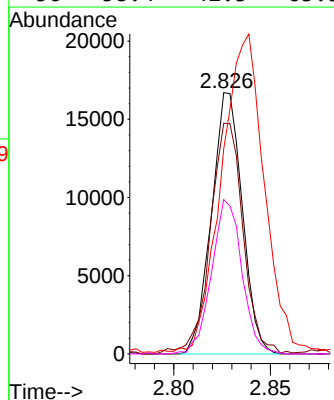
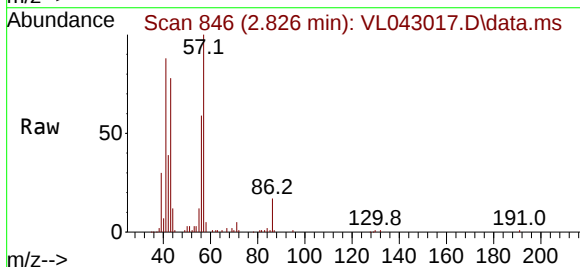
Instrument :
MSVOA_L
ClientSampleId :

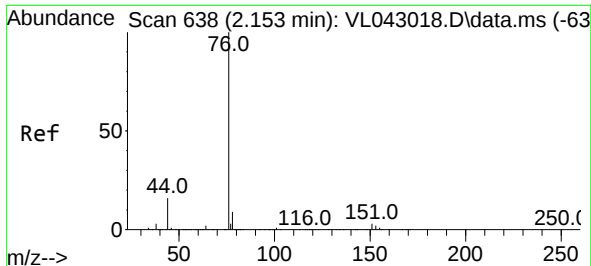
Tgt Ion: 43	Resp: 30124
Ion Ratio	Lower Upper
43 100	
45 10.0	7.8 11.6
61 8.2	7.0 10.4
70 7.9	6.5 9.7



#26
Hexane
Concen: 0.626 ppbv
RT: 2.826 min Scan# 846
Delta R.T. -0.003 min
Lab File: VL043017.D
Acq: 30 Sep 2025 08:30

Tgt Ion: 57	Resp: 18454
Ion Ratio	Lower Upper
57 100	
41 93.5	70.3 105.5
43 169.6	172.1 258.1#
56 58.4	42.3 63.5





#27

Carbon Disulfide

Concen: 0.520 ppbv

RT: 2.153 min Scan# 61

Delta R.T. 0.000 min

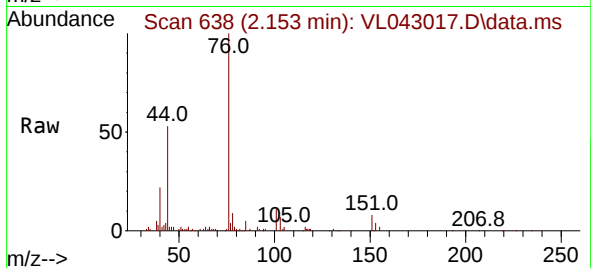
Lab File: VL043017.D

Acq: 30 Sep 2025 08:30

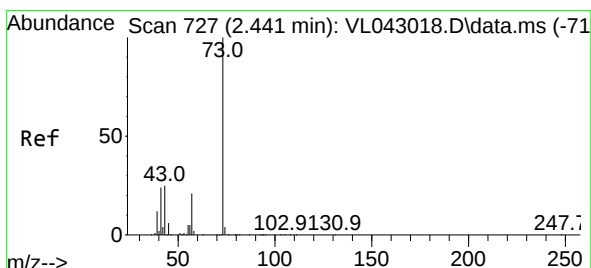
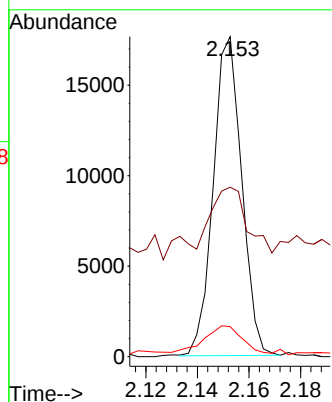
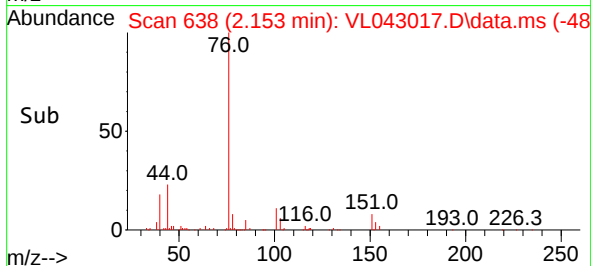
Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion:	76	Resp:	13476
Ion Ratio	Lower	Upper	
76	100		
44	94.4	14.6	21.8#
78	15.2	9.4	14.2#



#28

Methyl tert-Butyl Ether

Concen: 0.505 ppbv

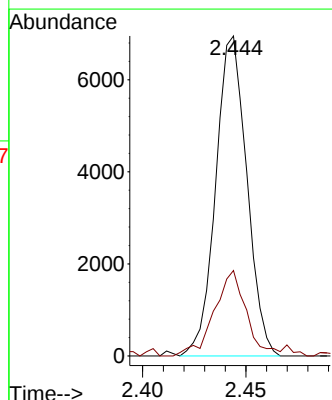
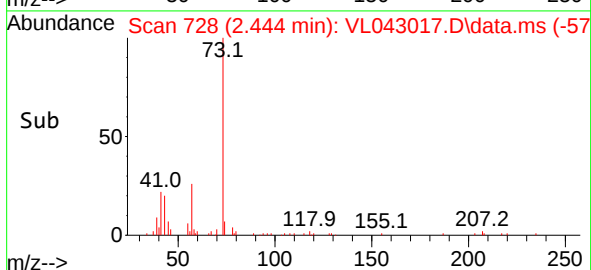
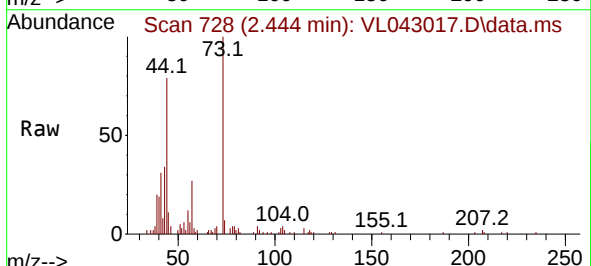
RT: 2.444 min Scan# 728

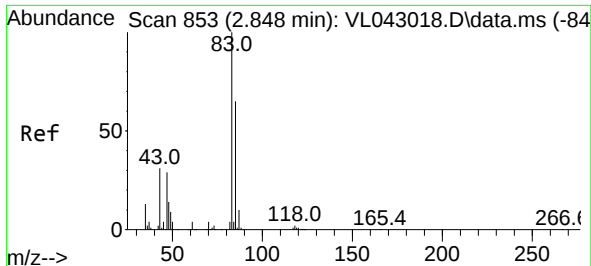
Delta R.T. 0.003 min

Lab File: VL043017.D

Acq: 30 Sep 2025 08:30

Tgt Ion:	73	Resp:	7291
Ion Ratio	Lower	Upper	
73	100		
57	29.0	17.7	26.5#





#29

Chloroform

Concen: 0.501 ppbv

RT: 2.849 min Scan# 81

Delta R.T. 0.000 min

Lab File: VL043017.D

Acq: 30 Sep 2025 08:30

Instrument :

MSVOA_L

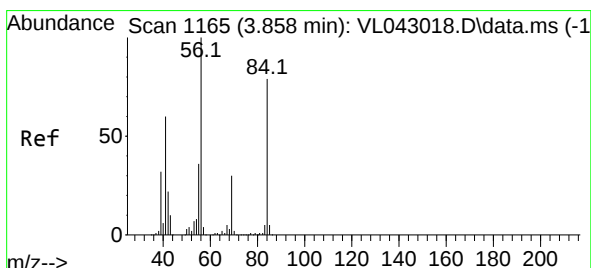
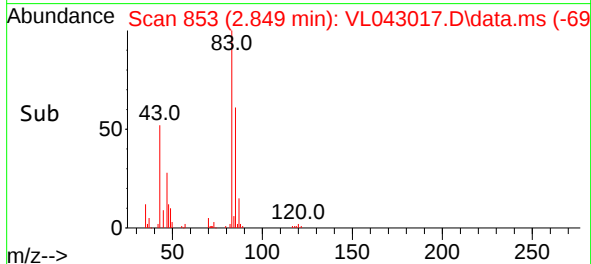
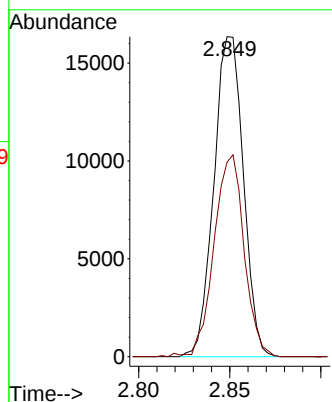
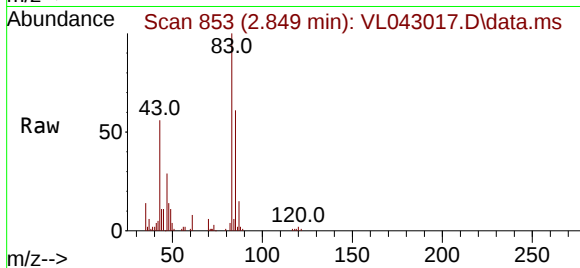
ClientSampleId :

Tgt Ion: 83 Resp: 18387

Ion Ratio Lower Upper

83 100

85 60.8 51.7 77.5



#30

Cyclohexane

Concen: 0.475 ppbv

RT: 3.855 min Scan# 1164

Delta R.T. -0.003 min

Lab File: VL043017.D

Acq: 30 Sep 2025 08:30

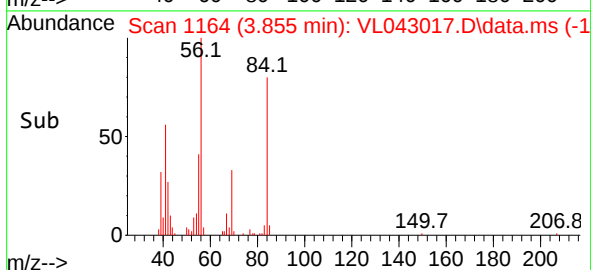
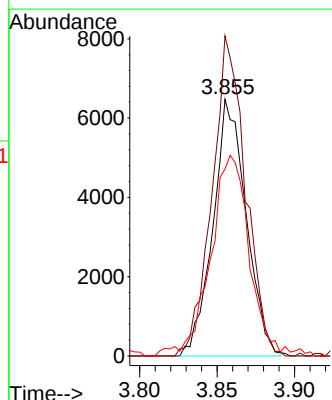
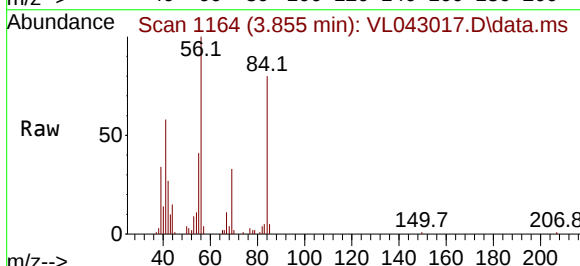
Tgt Ion: 84 Resp: 9649

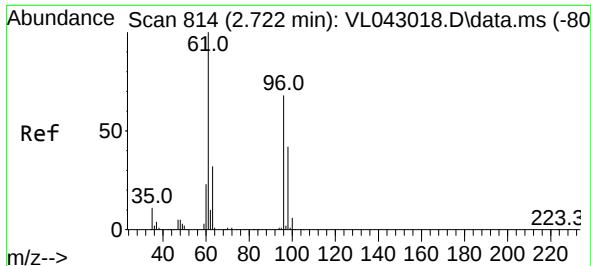
Ion Ratio Lower Upper

84 100

56 125.7 97.3 145.9

41 91.6 62.6 93.8

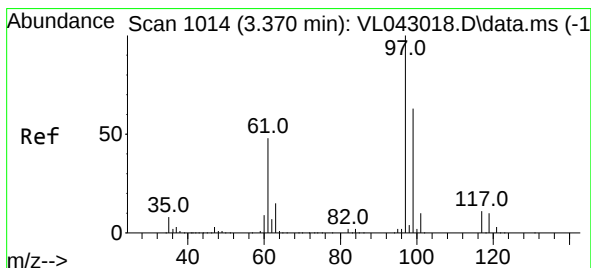
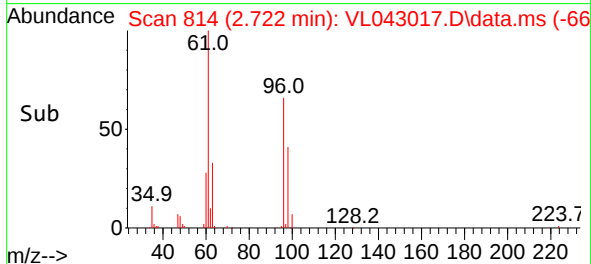
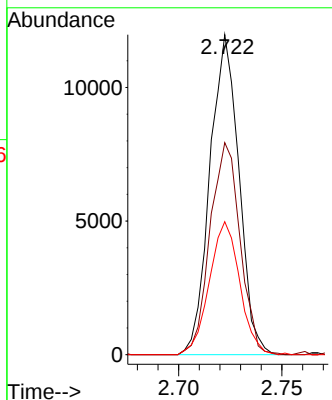
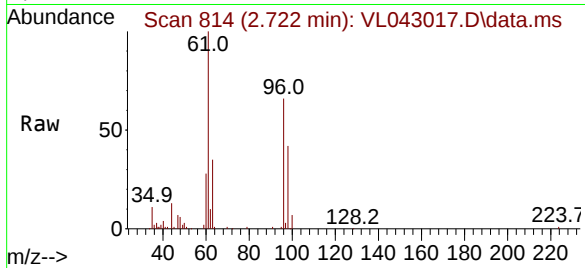




#31
 cis-1,2-Dichloroethene
 Concen: 0.489 ppbv
 RT: 2.722 min Scan# 814
 Delta R.T. 0.000 min
 Lab File: VL043017.D
 Acq: 30 Sep 2025 08:30

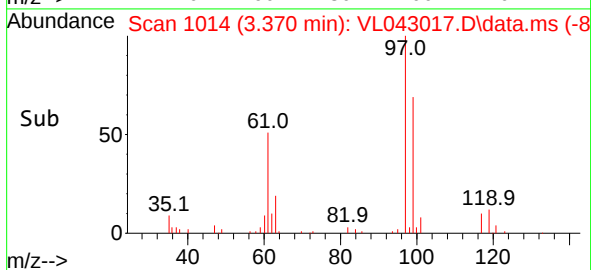
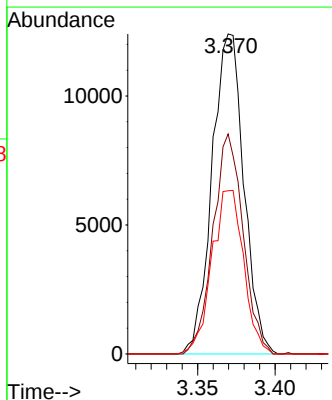
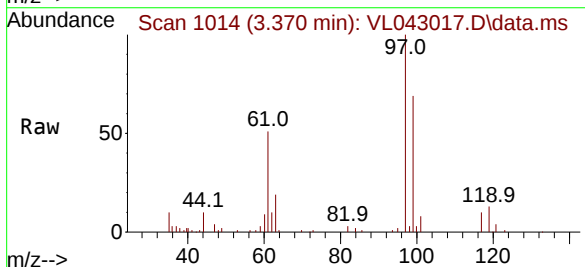
Instrument :
 MSVOA_L
 ClientSampleId :

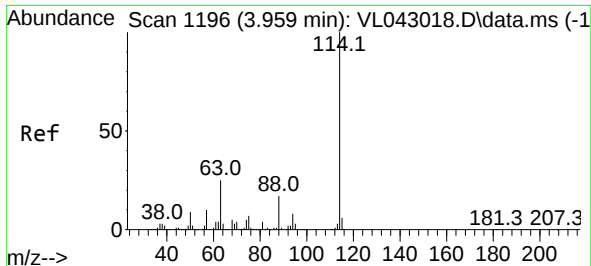
Tgt Ion: 61 Resp: 11699
 Ion Ratio Lower Upper
 61 100
 96 66.3 54.4 81.6
 98 41.6 33.7 50.5



#32
 1,1,1-Trichloroethane
 Concen: 0.478 ppbv
 RT: 3.370 min Scan# 1014
 Delta R.T. 0.000 min
 Lab File: VL043017.D
 Acq: 30 Sep 2025 08:30

Tgt Ion: 97 Resp: 17760
 Ion Ratio Lower Upper
 97 100
 99 64.8 51.4 77.0
 61 50.9 38.8 58.2





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.959 min Scan# 1196

Delta R.T. 0.000 min

Lab File: VL043017.D

Acq: 30 Sep 2025 08:30

Instrument :

MSVOA_L

ClientSampleId :

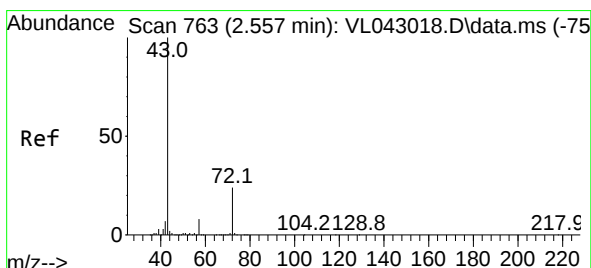
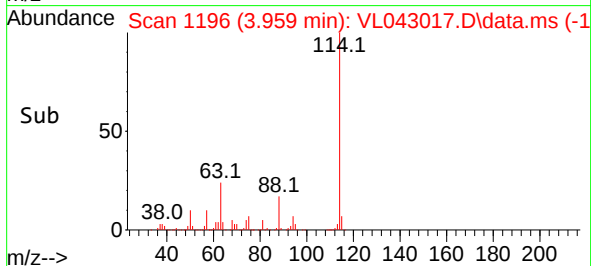
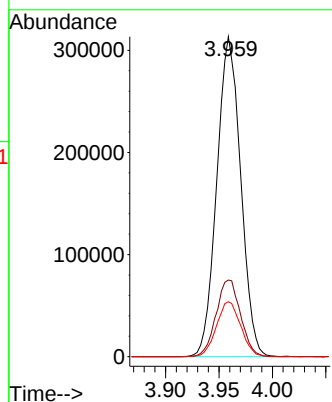
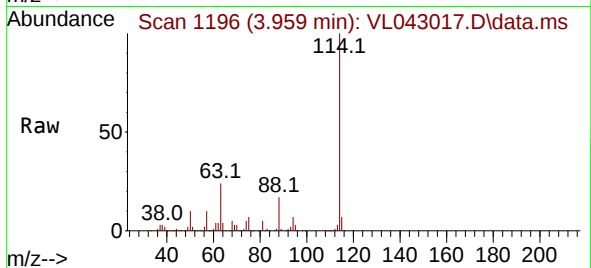
Tgt Ion:114 Resp: 487391

Ion Ratio Lower Upper

114 100

63 24.5 19.7 29.5

88 17.5 13.8 20.6



#34

2-Butanone

Concen: 0.505 ppbv

RT: 2.560 min Scan# 764

Delta R.T. 0.003 min

Lab File: VL043017.D

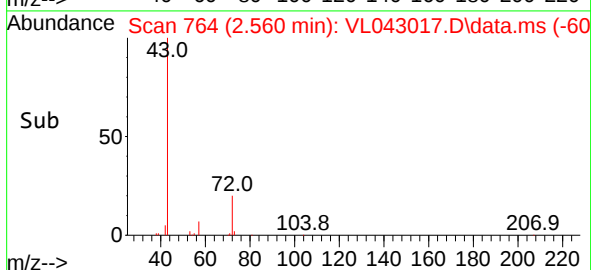
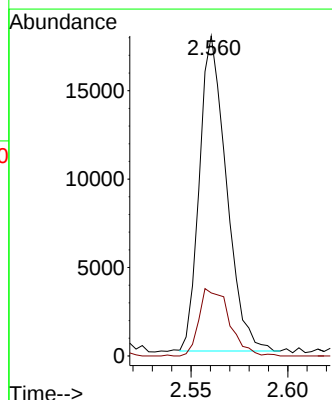
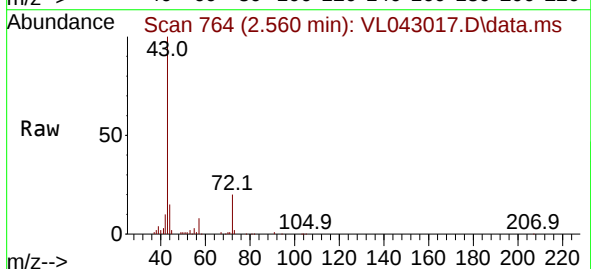
Acq: 30 Sep 2025 08:30

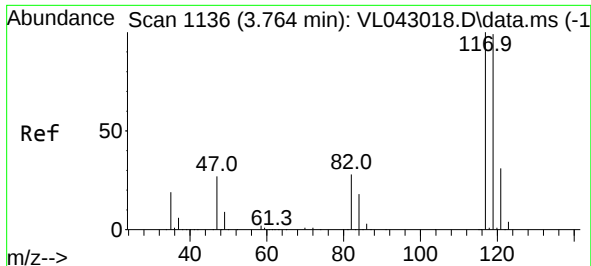
Tgt Ion: 43 Resp: 17316

Ion Ratio Lower Upper

43 100

72 24.0 18.7 28.1

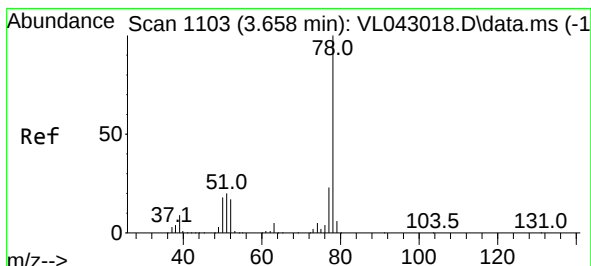
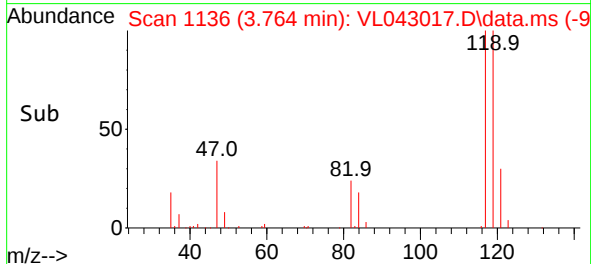
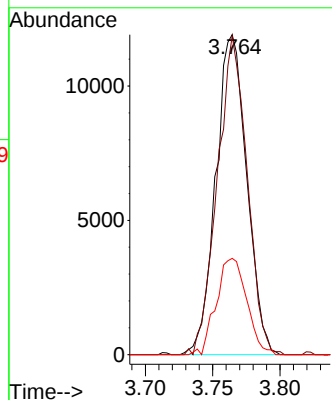
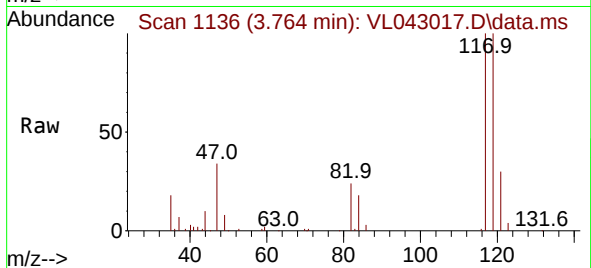




#35
Carbon Tetrachloride
Concen: 0.481 ppbv
RT: 3.764 min Scan# 1136
Delta R.T. 0.000 min
Lab File: VL043017.D
Acq: 30 Sep 2025 08:30

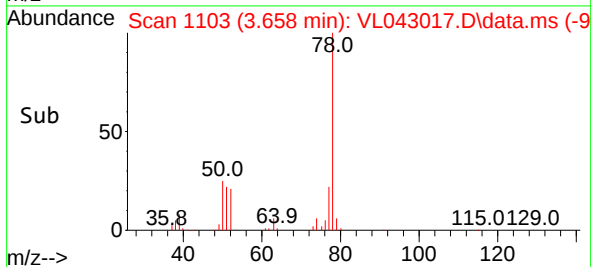
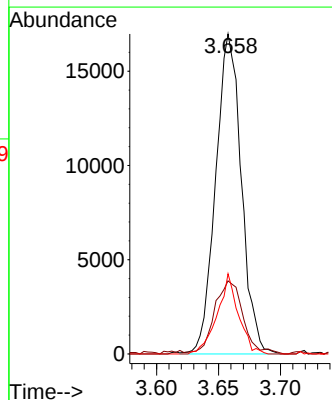
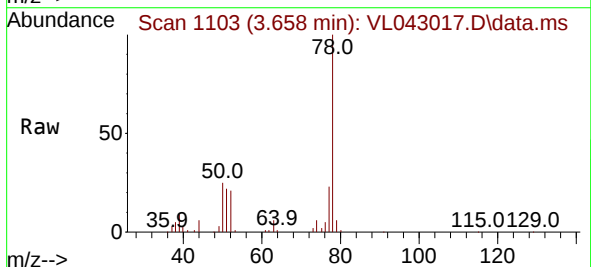
Instrument :
MSVOA_L
ClientSampleId :

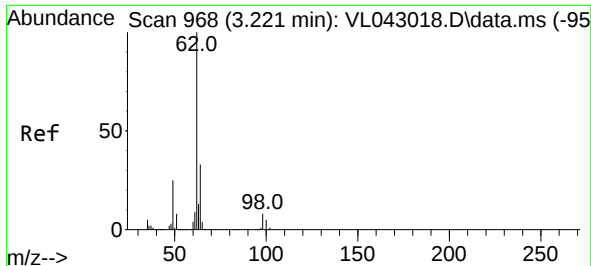
Tgt Ion:117 Resp: 19034
Ion Ratio Lower Upper
117 100
119 99.6 79.1 118.7
121 30.1 24.5 36.7



#36
Benzene
Concen: 0.502 ppbv
RT: 3.658 min Scan# 1103
Delta R.T. 0.000 min
Lab File: VL043017.D
Acq: 30 Sep 2025 08:30

Tgt Ion: 78 Resp: 24515
Ion Ratio Lower Upper
78 100
77 22.5 18.8 28.2
50 25.0 14.5 21.7#

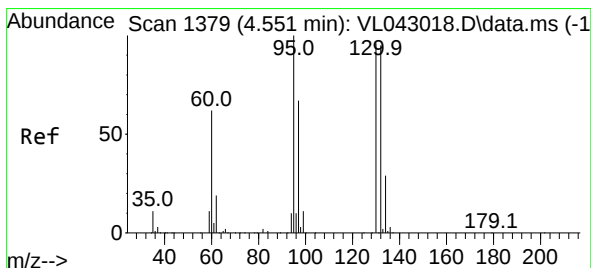
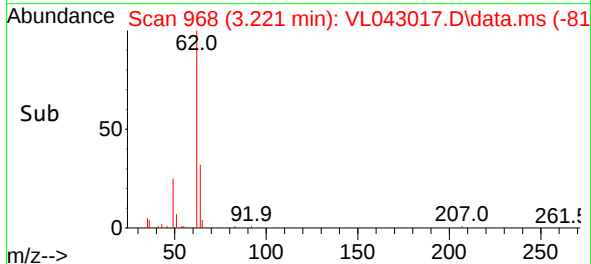
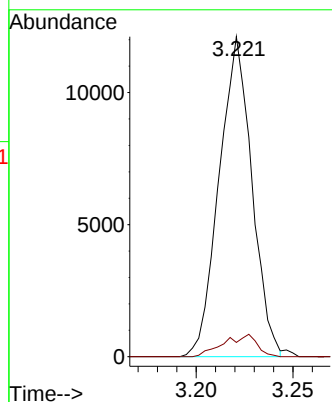
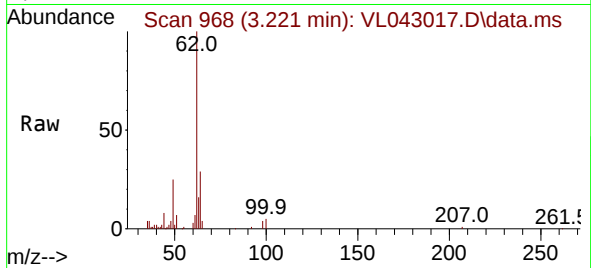




#37
1,2-Dichloroethane
Concen: 0.511 ppbv
RT: 3.221 min Scan# 968
Delta R.T. 0.000 min
Lab File: VL043017.D
Acq: 30 Sep 2025 08:30

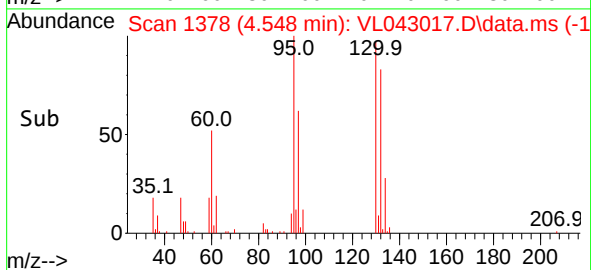
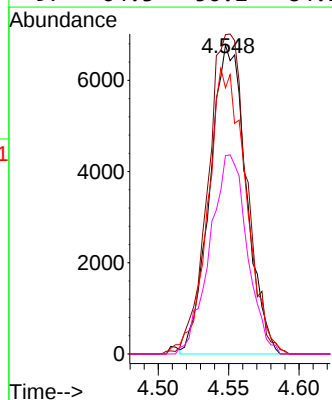
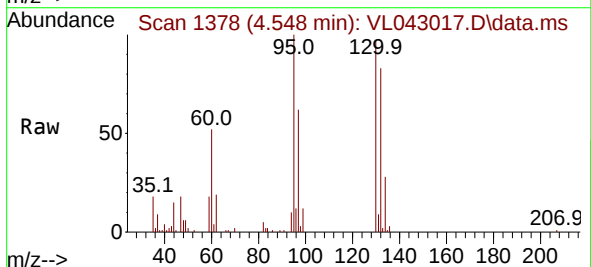
Instrument :
MSVOA_L
ClientSampleId :

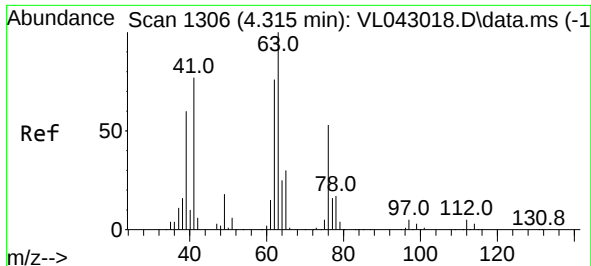
Tgt Ion: 62 Resp: 14250
Ion Ratio Lower Upper
62 100
98 7.1 5.7 8.5



#38
Trichloroethene
Concen: 0.486 ppbv
RT: 4.548 min Scan# 1378
Delta R.T. -0.003 min
Lab File: VL043017.D
Acq: 30 Sep 2025 08:30

Tgt Ion:130 Resp: 12168
Ion Ratio Lower Upper
130 100
95 102.0 83.4 125.0
132 84.4 79.0 118.4
97 64.3 56.2 84.2





#39

1,2-Dichloropropane

Concen: 0.521 ppbv

RT: 4.315 min Scan# 11

Delta R.T. 0.000 min

Lab File: VL043017.D

Acq: 30 Sep 2025 08:30

Instrument :

MSVOA_L

ClientSampleId :

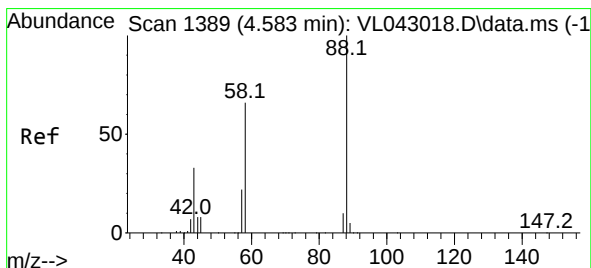
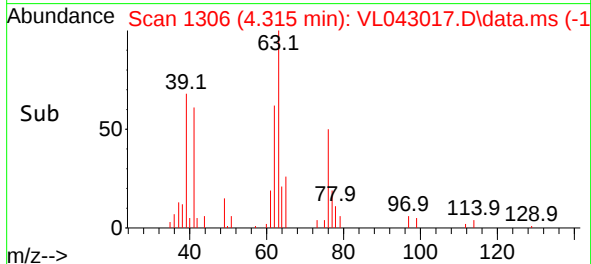
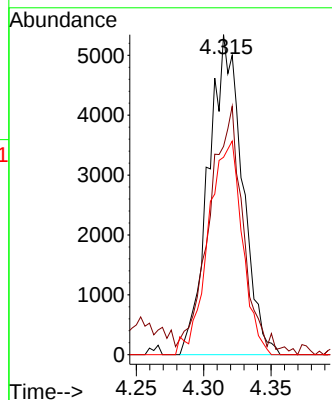
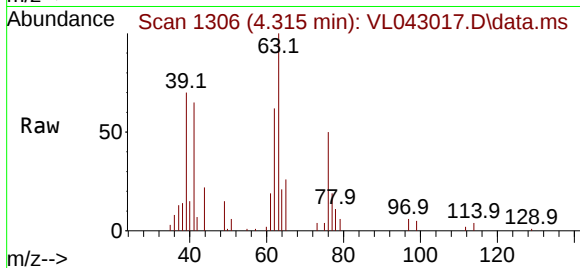
Tgt Ion: 63 Resp: 9342

Ion Ratio Lower Upper

63 100

41 63.1 62.3 93.5

62 61.7 60.5 90.7



#40

1,4-Dioxane

Concen: 0.516 ppbv

RT: 4.603 min Scan# 1395

Delta R.T. 0.019 min

Lab File: VL043017.D

Acq: 30 Sep 2025 08:30

Tgt Ion: 88 Resp: 3924

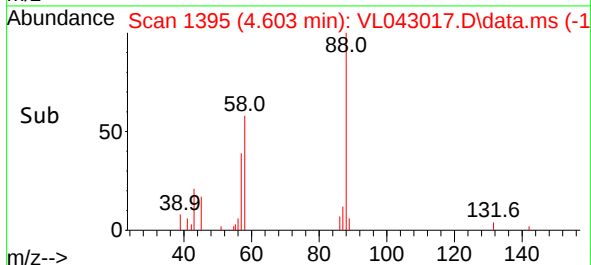
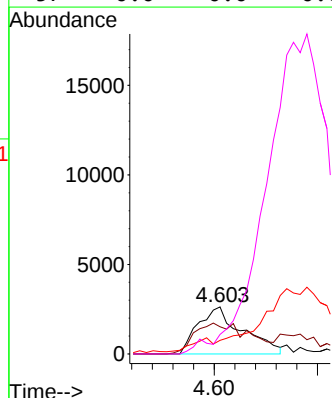
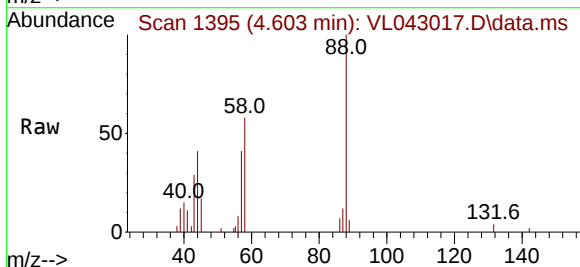
Ion Ratio Lower Upper

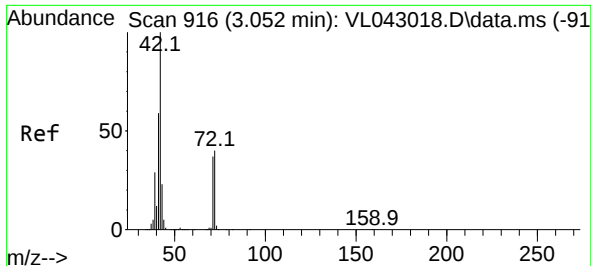
88 100

58 82.2 59.3 88.9

43 10.9 24.3 36.5#

57 0.0 0.0 0.0





#41

Tetrahydrofuran

Concen: 0.486 ppbv

RT: 3.062 min Scan# 916

Delta R.T. 0.010 min

Lab File: VL043017.D

Acq: 30 Sep 2025 08:30

Instrument :

MSVOA_L

ClientSampleId :

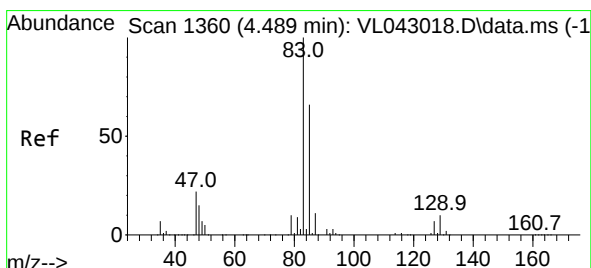
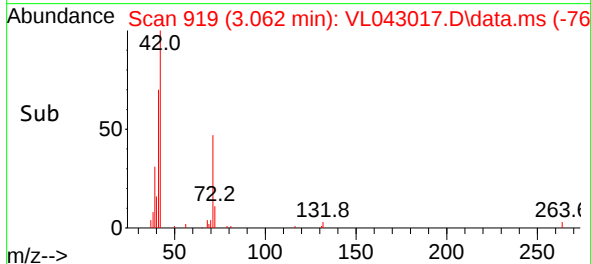
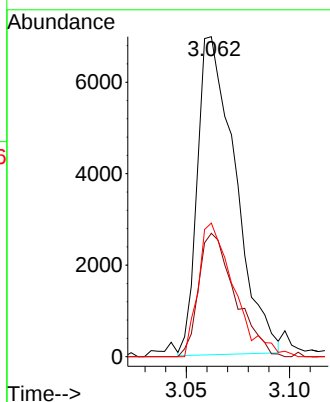
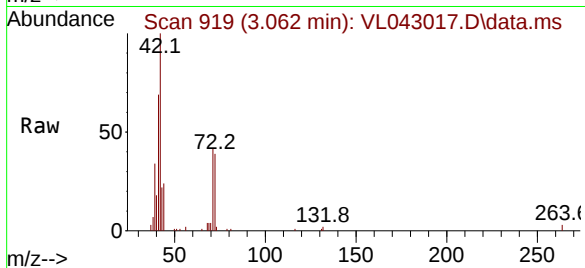
Tgt Ion: 42 Resp: 8888

Ion Ratio Lower Upper

42 100

72 37.6 31.6 47.4

71 39.6 30.4 45.6



#42

Bromodichloromethane

Concen: 0.492 ppbv

RT: 4.489 min Scan# 1360

Delta R.T. 0.000 min

Lab File: VL043017.D

Acq: 30 Sep 2025 08:30

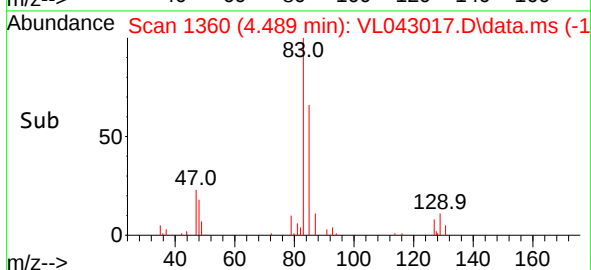
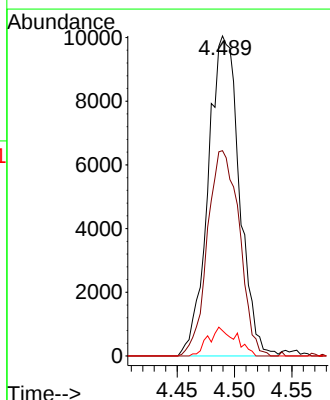
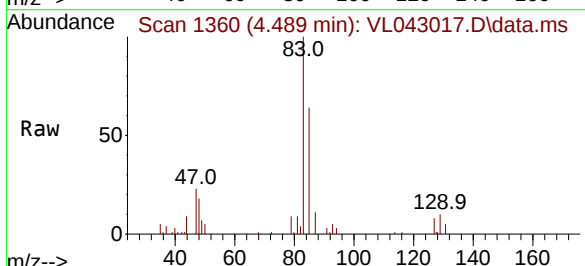
Tgt Ion: 83 Resp: 19083

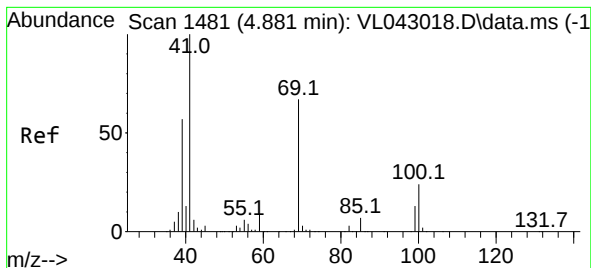
Ion Ratio Lower Upper

83 100

85 64.2 52.6 78.8

127 9.4 5.7 8.5#





#43

Methyl Methacrylate

Concen: 0.448 ppbv

RT: 4.884 min Scan# 1482

Delta R.T. 0.003 min

Lab File: VL043017.D

Acq: 30 Sep 2025 08:30

Instrument :

MSVOA_L

ClientSampleId :

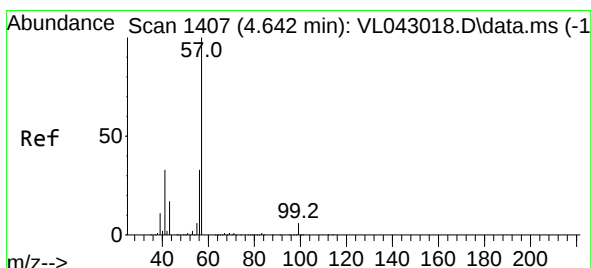
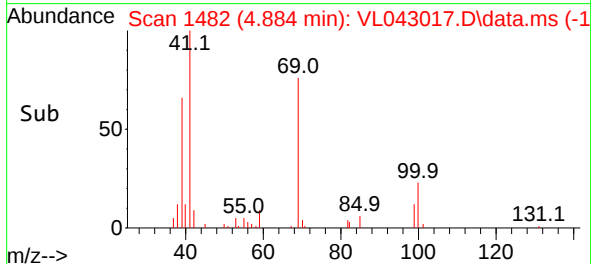
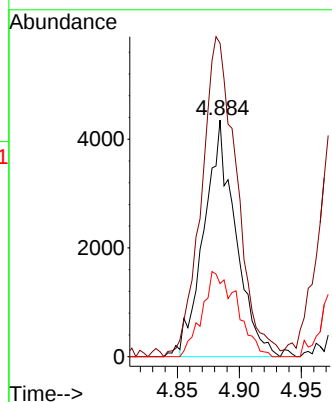
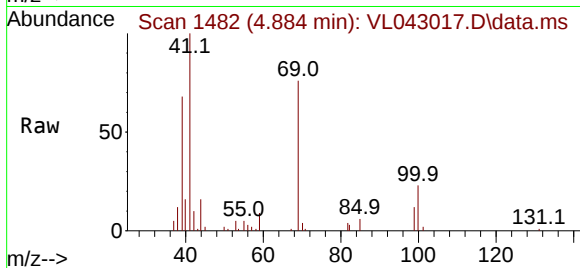
Tgt Ion: 69 Resp: 7687

Ion Ratio Lower Upper

69 100

41 151.9 117.6 176.4

100 40.4 29.0 43.6



#44

2,2,4-Trimethylpentane

Concen: 0.265 ppbv

RT: 4.638 min Scan# 1406

Delta R.T. -0.003 min

Lab File: VL043017.D

Acq: 30 Sep 2025 08:30

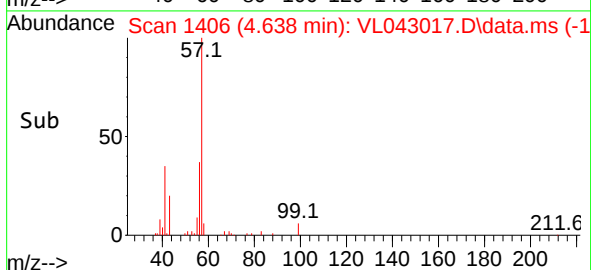
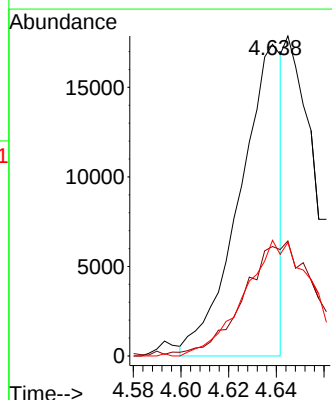
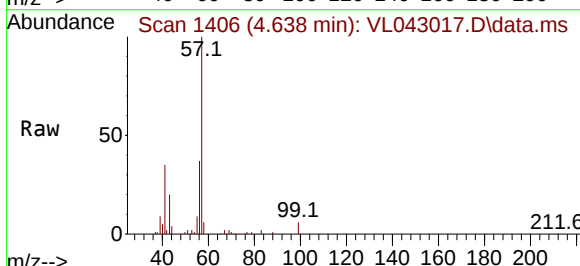
Tgt Ion: 57 Resp: 21318

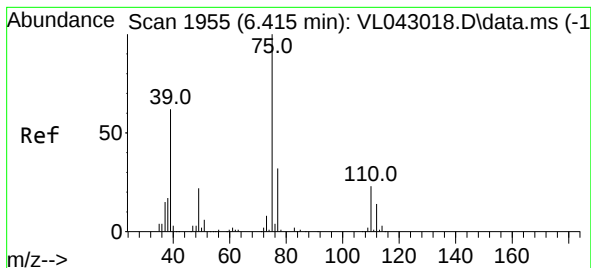
Ion Ratio Lower Upper

57 100

41 0.0 26.2 39.2#

56 61.9 25.9 38.9#





#45

t-1,3-Dichloropropene

Concen: 0.398 ppbv

RT: 6.415 min Scan# 1955

Delta R.T. 0.000 min

Lab File: VL043017.D

Acq: 30 Sep 2025 08:30

Instrument :

MSVOA_L

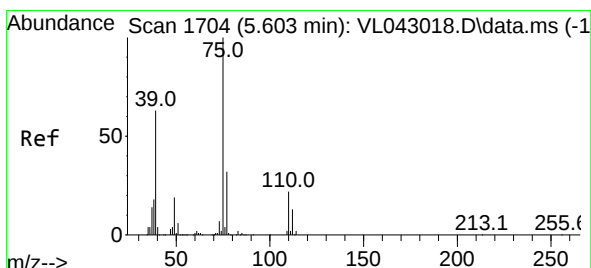
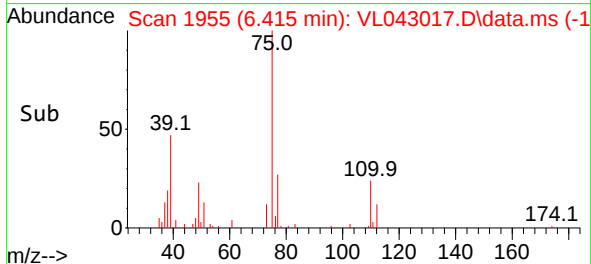
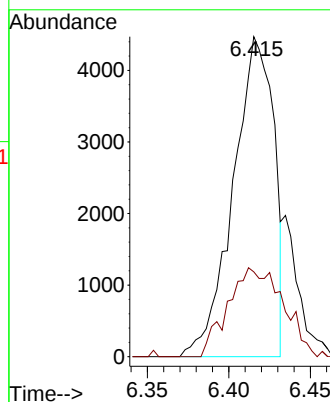
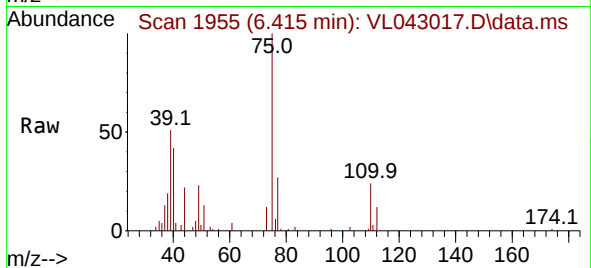
ClientSampleId :

Tgt Ion: 75 Resp: 7767

Ion Ratio Lower Upper

75 100

77 26.5 25.8 38.6



#46

cis-1,3-Dichloropropene

Concen: 0.212 ppbv

RT: 5.606 min Scan# 1705

Delta R.T. 0.003 min

Lab File: VL043017.D

Acq: 30 Sep 2025 08:30

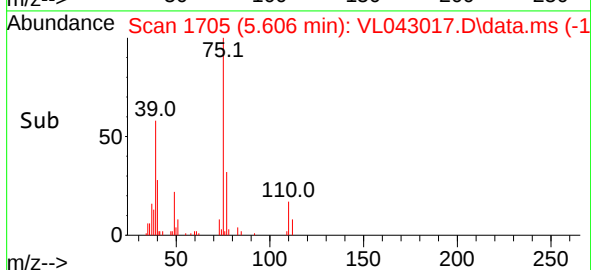
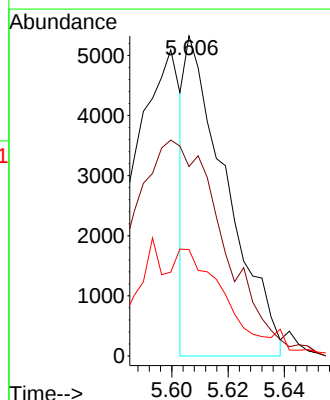
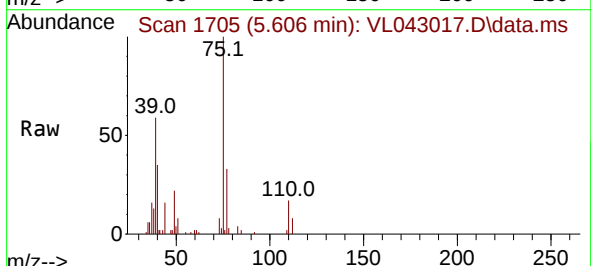
Tgt Ion: 75 Resp: 5406

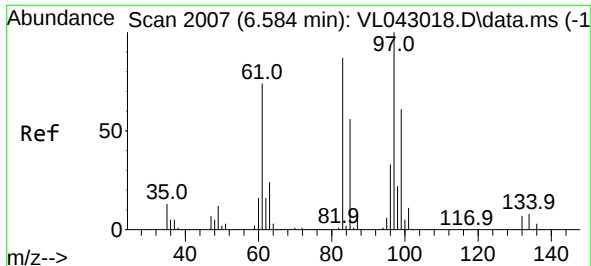
Ion Ratio Lower Upper

75 100

39 57.0 50.2 75.2

77 26.2 25.4 38.0



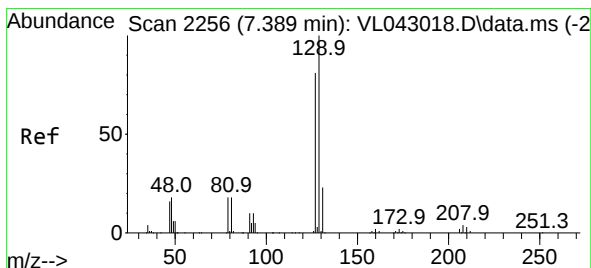
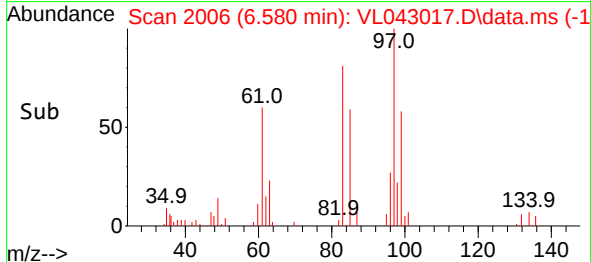
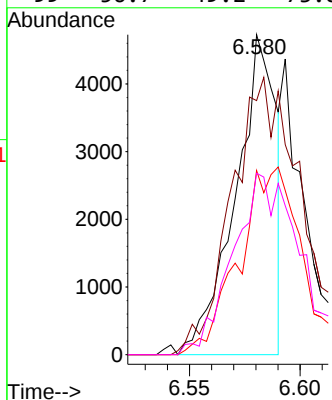
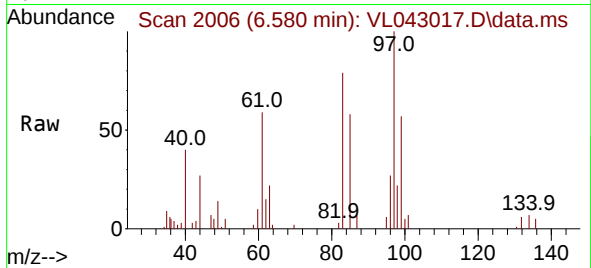


#47
1,1,2-Trichloroethane
Concen: 0.314 ppbv
RT: 6.580 min Scan# 2007
Delta R.T. -0.003 min
Lab File: VL043017.D
Acq: 30 Sep 2025 08:30

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 97 Resp: 5984

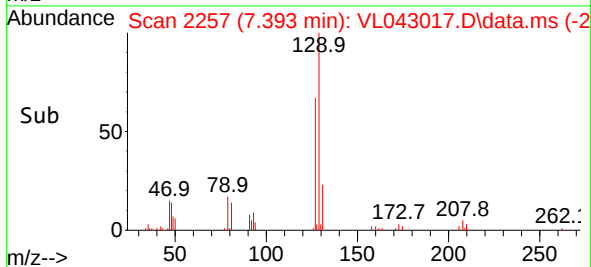
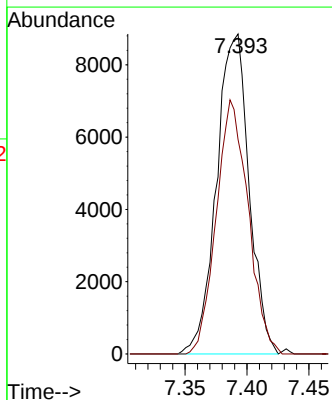
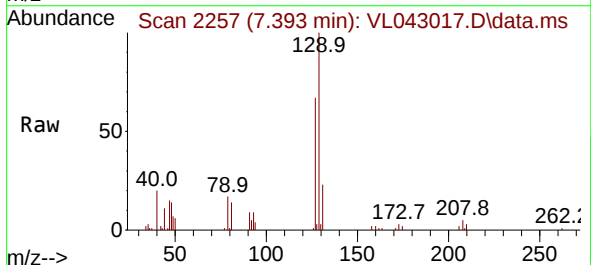
Ion	Ratio	Lower	Upper
97	100		
83	78.1	69.6	104.4
85	57.6	44.6	66.8
99	56.7	49.2	73.8

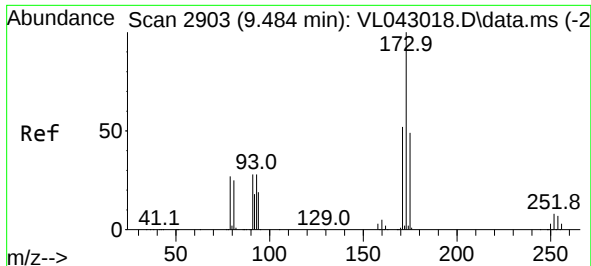


#48
Dibromochloromethane
Concen: 0.494 ppbv
RT: 7.393 min Scan# 2257
Delta R.T. 0.003 min
Lab File: VL043017.D
Acq: 30 Sep 2025 08:30

Tgt Ion: 129 Resp: 16213

Ion	Ratio	Lower	Upper
129	100		
127	77.9	38.6	116.0

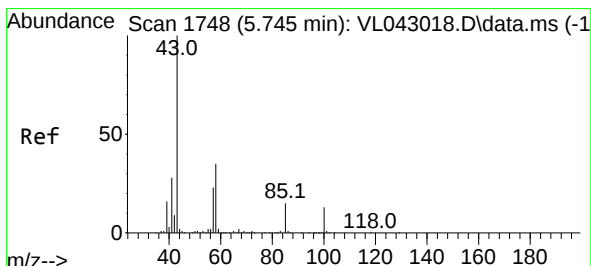
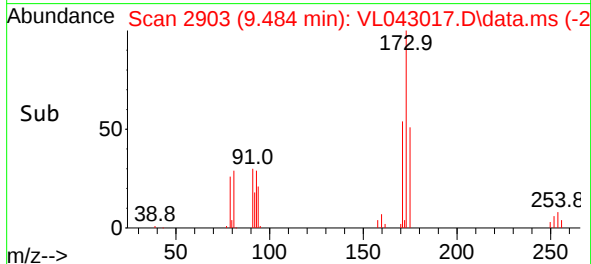
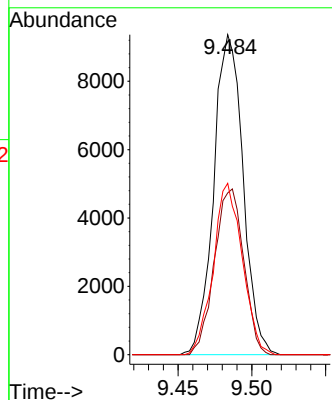
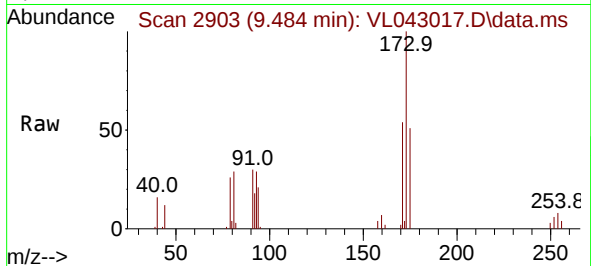




#49
Bromoform
Concen: 0.466 ppbv
RT: 9.484 min Scan# 2903
Delta R.T. 0.000 min
Lab File: VL043017.D
Acq: 30 Sep 2025 08:30

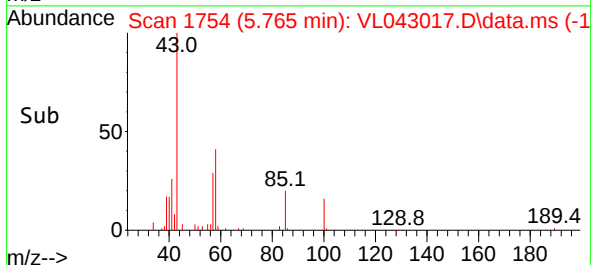
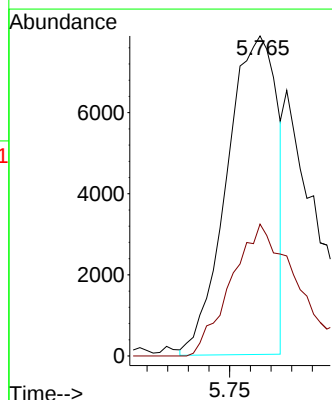
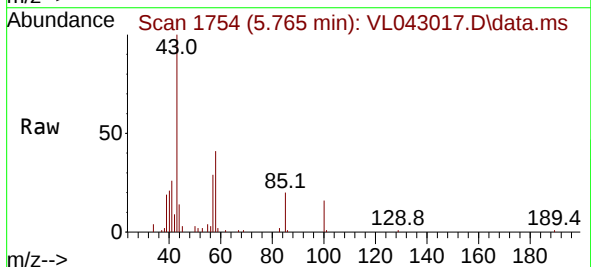
Instrument :
MSVOA_L
ClientSampleId :

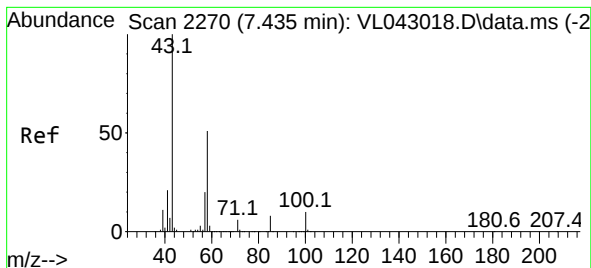
Tgt Ion:173 Resp: 12975
Ion Ratio Lower Upper
173 100
175 51.8 39.1 58.7
171 52.9 41.4 62.0



#50
4-Methyl-2-Pentanone
Concen: 0.303 ppbv
RT: 5.765 min Scan# 1754
Delta R.T. 0.019 min
Lab File: VL043017.D
Acq: 30 Sep 2025 08:30

Tgt Ion: 43 Resp: 13289
Ion Ratio Lower Upper
43 100
58 57.3 29.4 44.2#





#51

2-Hexanone

Concen: 0.453 ppbv

RT: 7.445 min Scan# 21

Delta R.T. 0.010 min

Lab File: VL043017.D

Acq: 30 Sep 2025 08:30

Instrument :

MSVOA_L

ClientSampleId :

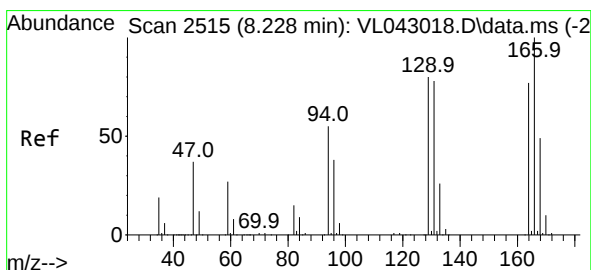
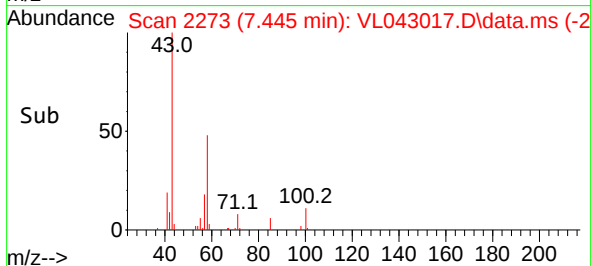
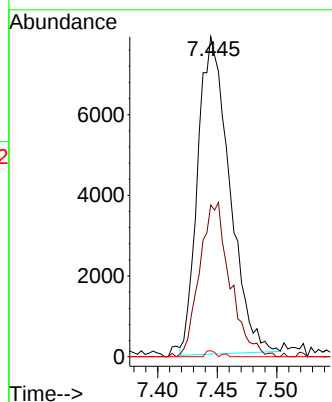
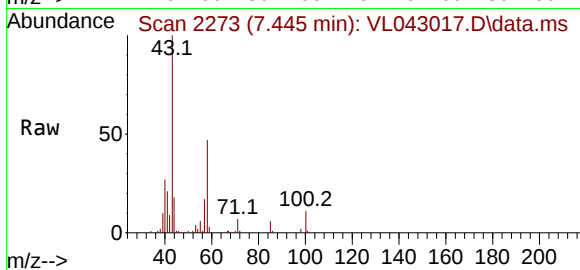
Tgt Ion: 43 Resp: 14633

Ion Ratio Lower Upper

43 100

58 46.4 39.7 59.5

98 0.7 0.2 0.4#



#52

Tetrachloroethene

Concen: 0.464 ppbv

RT: 8.225 min Scan# 2514

Delta R.T. -0.003 min

Lab File: VL043017.D

Acq: 30 Sep 2025 08:30

Tgt Ion: 164 Resp: 9039

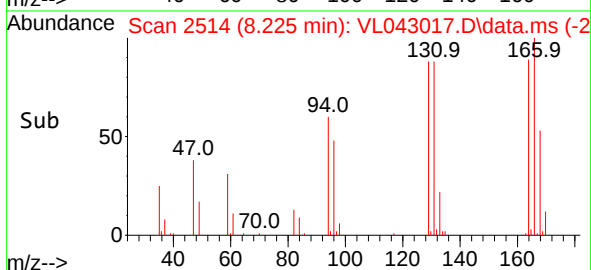
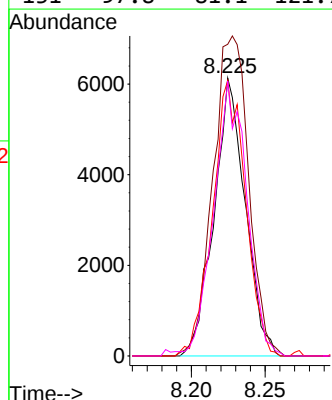
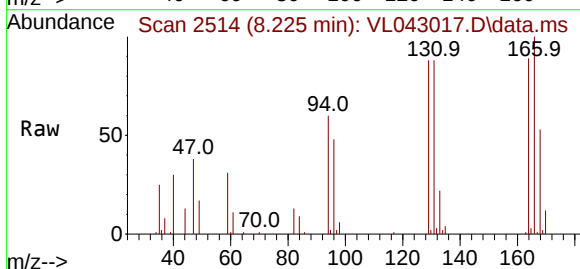
Ion Ratio Lower Upper

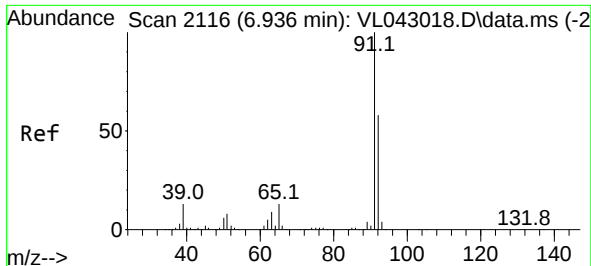
164 100

166 111.0 103.5 155.3

129 99.1 82.6 124.0

131 97.8 81.1 121.7

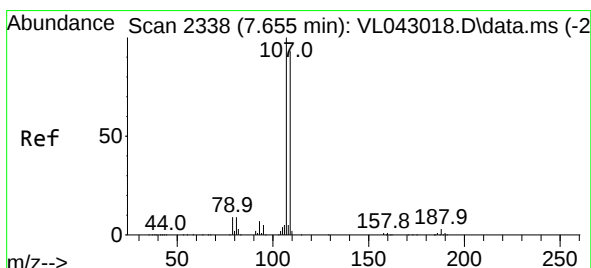
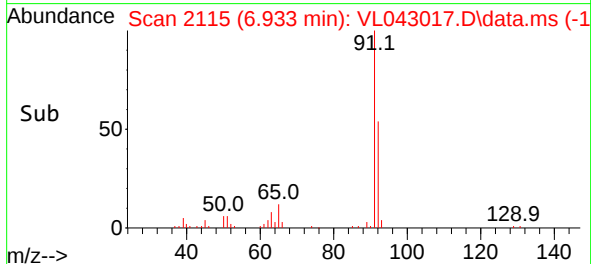
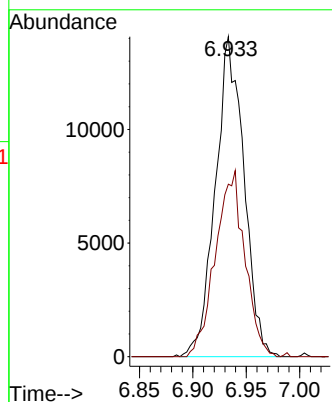
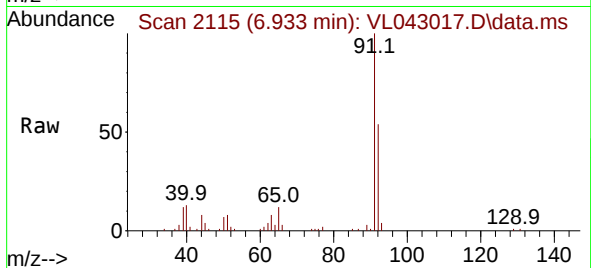




#53
Toluene
Concen: 0.480 ppbv
RT: 6.933 min Scan# 2116
Delta R.T. -0.003 min
Lab File: VL043017.D
Acq: 30 Sep 2025 08:30

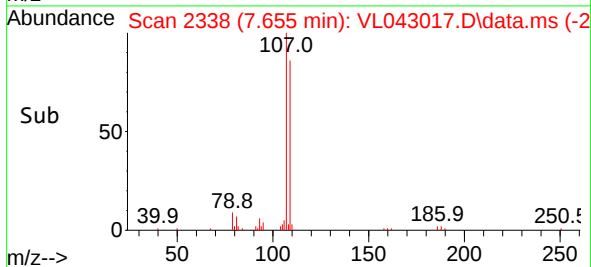
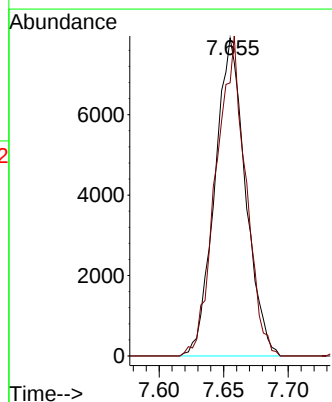
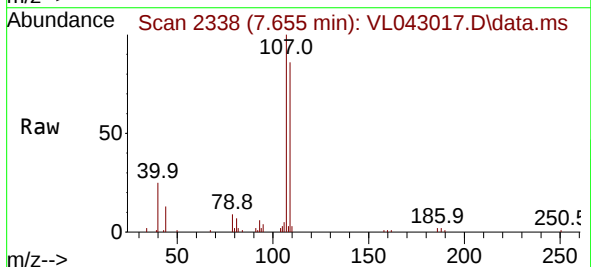
Instrument :
MSVOA_L
ClientSampleId :

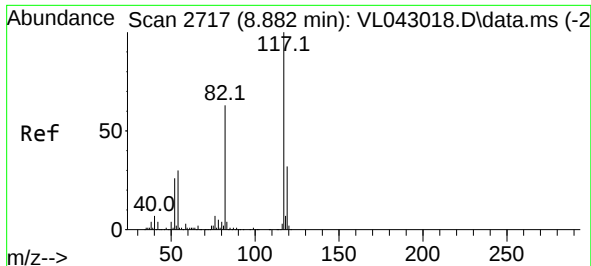
Tgt Ion: 91 Resp: 26144
Ion Ratio Lower Upper
91 100
92 60.1 47.7 71.5



#54
1,2-Dibromoethane
Concen: 0.493 ppbv
RT: 7.655 min Scan# 2338
Delta R.T. 0.000 min
Lab File: VL043017.D
Acq: 30 Sep 2025 08:30

Tgt Ion: 107 Resp: 13088
Ion Ratio Lower Upper
107 100
109 85.9 74.6 111.8

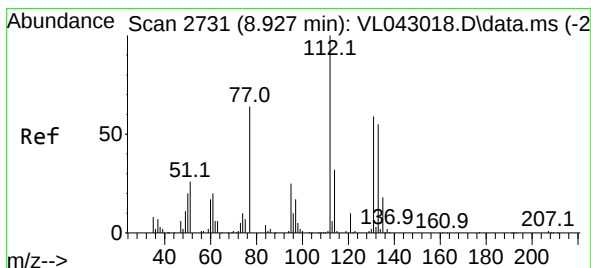
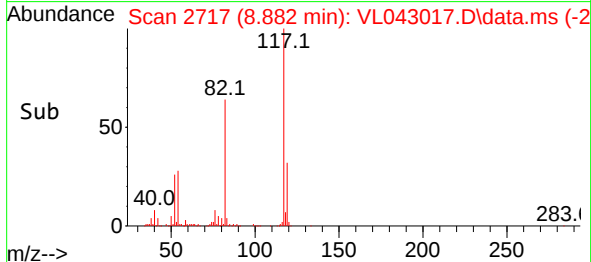
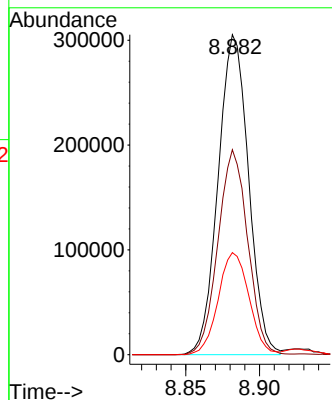
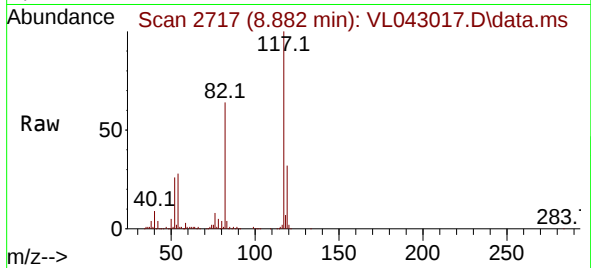




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.882 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL043017.D
Acq: 30 Sep 2025 08:30

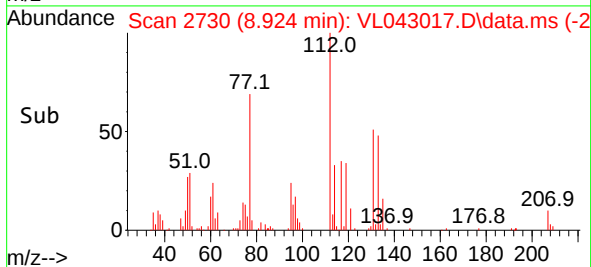
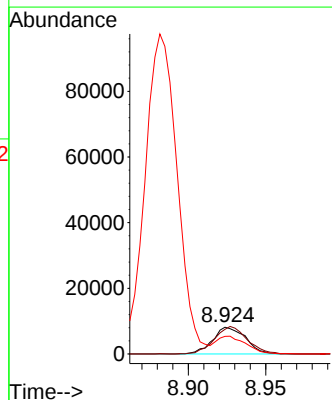
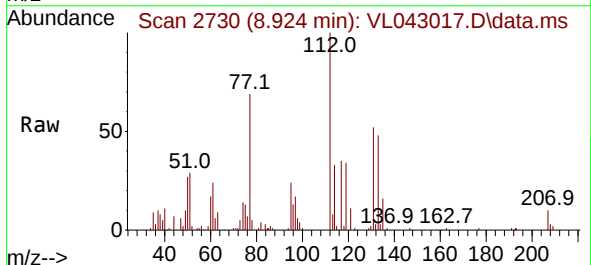
Instrument :
MSVOA_L
ClientSampleId :

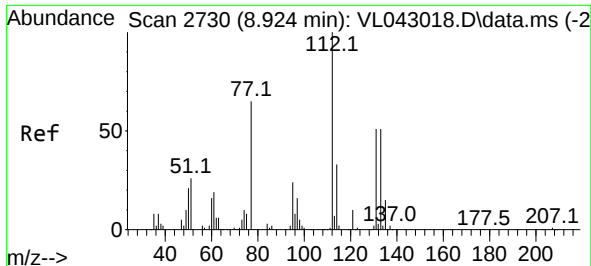
Tgt Ion:117 Resp: 437801
Ion Ratio Lower Upper
117 100
82 63.0 52.6 78.8
119 34.0 26.4 39.6



#56
1,1,1,2-Tetrachloroethane
Concen: 0.484 ppbv
RT: 8.924 min Scan# 2730
Delta R.T. -0.003 min
Lab File: VL043017.D
Acq: 30 Sep 2025 08:30

Tgt Ion:131 Resp: 12010
Ion Ratio Lower Upper
131 100
133 102.7 76.6 114.8
119 1239.7 48.8 73.2#

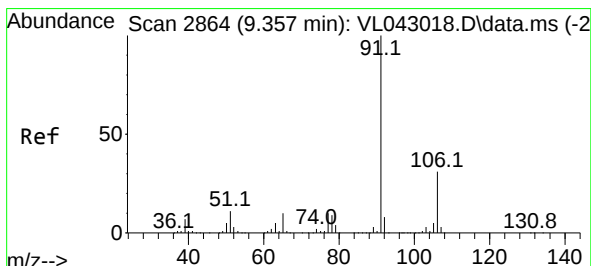
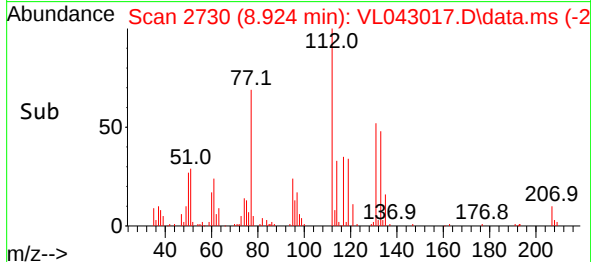
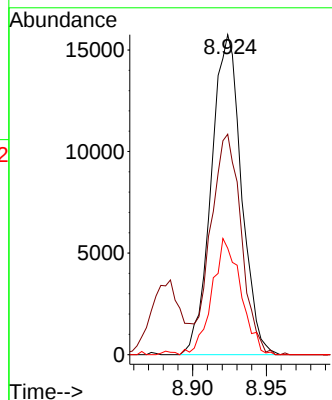
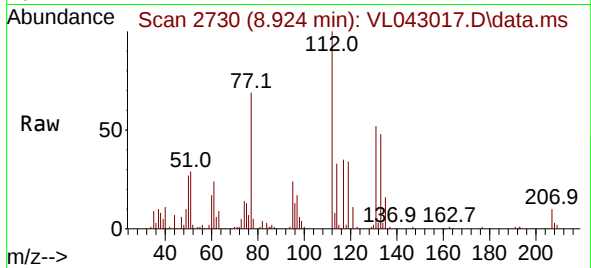




#57
Chlorobenzene
Concen: 0.495 ppbv
RT: 8.924 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL043017.D
Acq: 30 Sep 2025 08:30

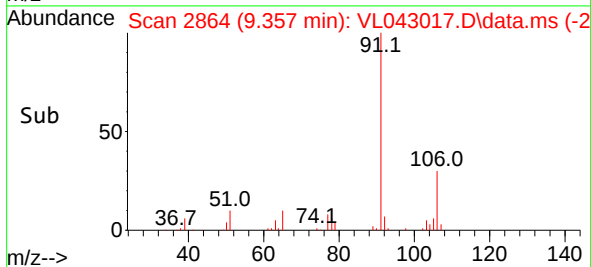
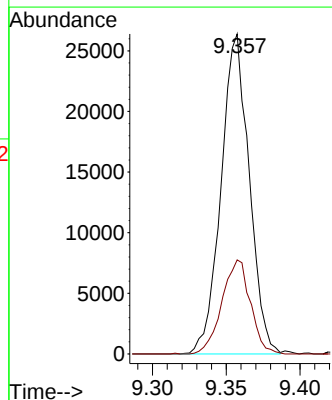
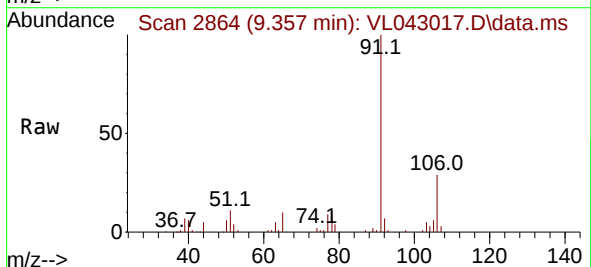
Instrument :
MSVOA_L
ClientSampleId :

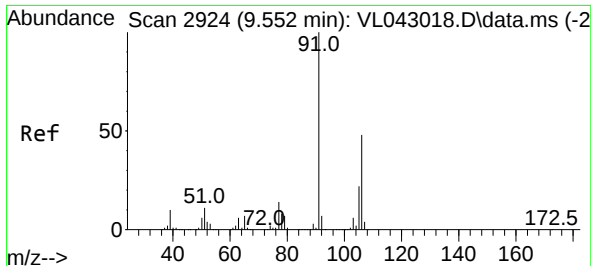
Tgt Ion: 112 Resp: 22360
Ion Ratio Lower Upper
112 100
77 68.9 52.7 79.1
114 33.3 29.5 36.1



#58
Ethyl Benzene
Concen: 0.473 ppbv
RT: 9.357 min Scan# 2864
Delta R.T. 0.000 min
Lab File: VL043017.D
Acq: 30 Sep 2025 08:30

Tgt Ion: 91 Resp: 35069
Ion Ratio Lower Upper
91 100
106 29.4 24.8 37.2





#59

m/p-Xylene

Concen: 0.389 ppbv

RT: 9.552 min Scan# 2924

Delta R.T. 0.000 min

Lab File: VL043017.D

Acq: 30 Sep 2025 08:30

Instrument :

MSVOA_L

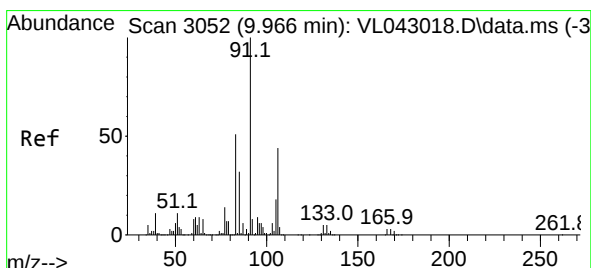
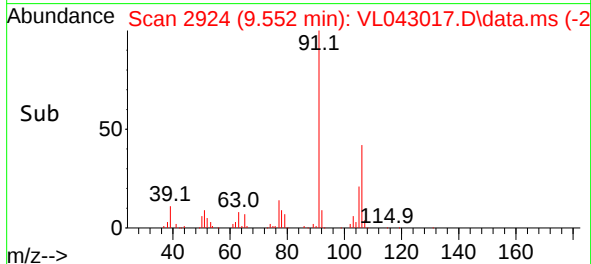
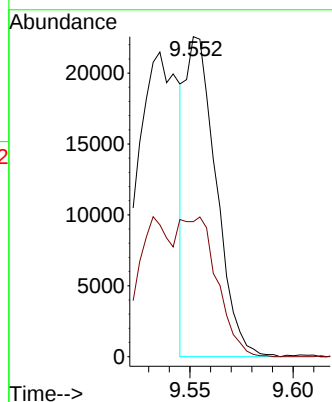
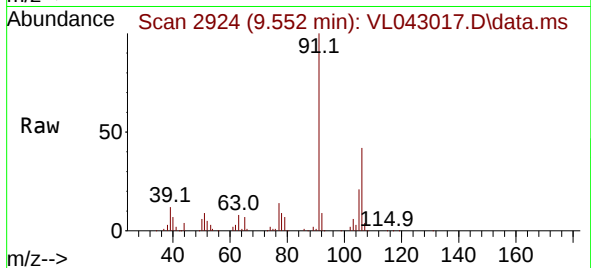
ClientSampleId :

Tgt Ion: 91 Resp: 23255

Ion Ratio Lower Upper

91 100

106 0.0 38.1 57.1#



#60

o-Xylene

Concen: 0.454 ppbv

RT: 9.966 min Scan# 3052

Delta R.T. 0.000 min

Lab File: VL043017.D

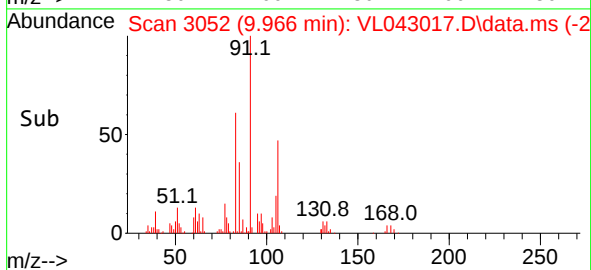
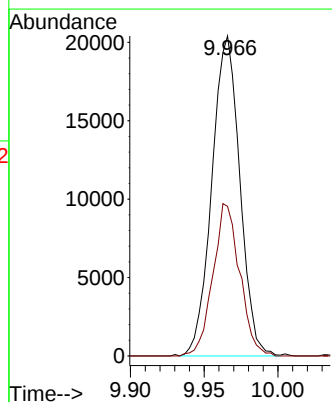
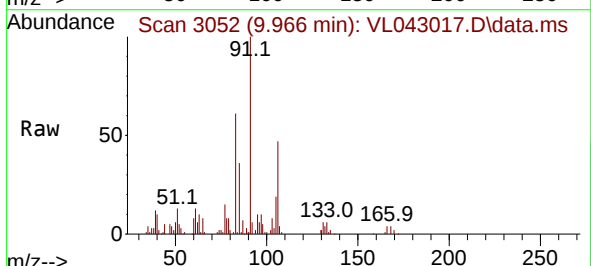
Acq: 30 Sep 2025 08:30

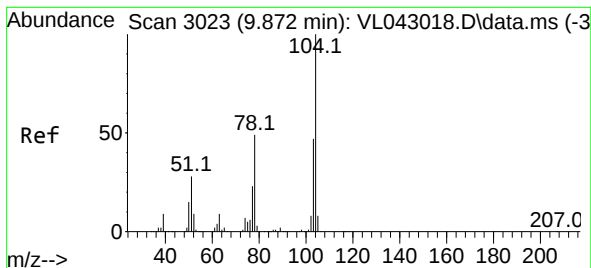
Tgt Ion: 91 Resp: 26941

Ion Ratio Lower Upper

91 100

106 45.6 22.2 66.6





#61

Styrene

Concen: 0.439 ppbv

RT: 9.872 min Scan# 3023

Delta R.T. 0.000 min

Lab File: VL043017.D

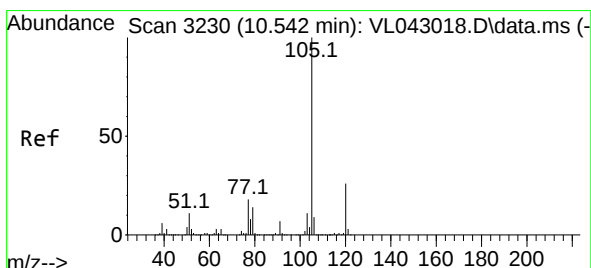
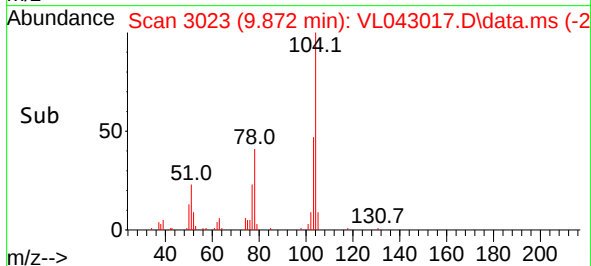
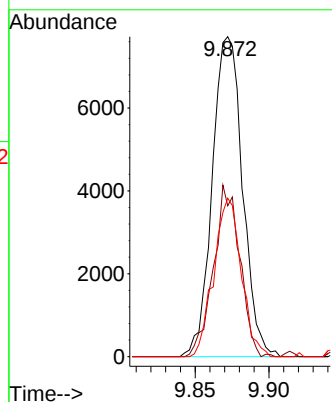
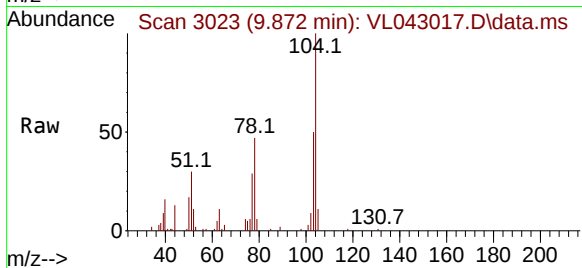
Acq: 30 Sep 2025 08:30

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:	104	Resp:	11039
Ion Ratio	Lower	Upper	
104	100		
78	46.4	39.0	58.4
103	44.9	37.4	56.2



#62

Isopropylbenzene

Concen: 0.465 ppbv

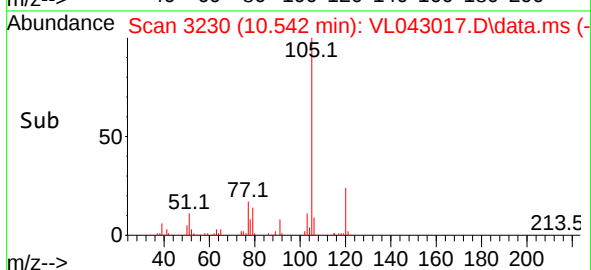
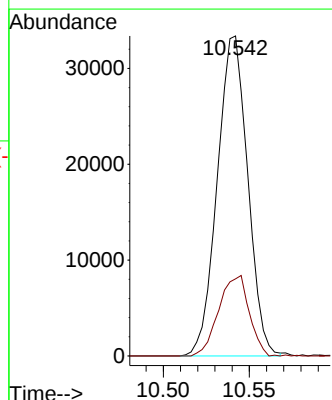
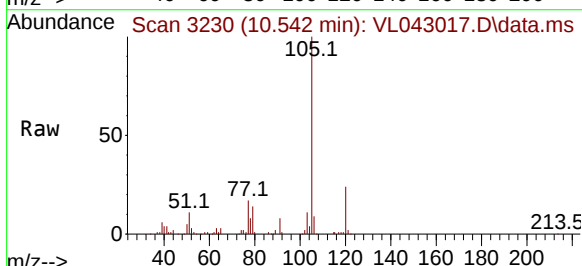
RT: 10.542 min Scan# 3230

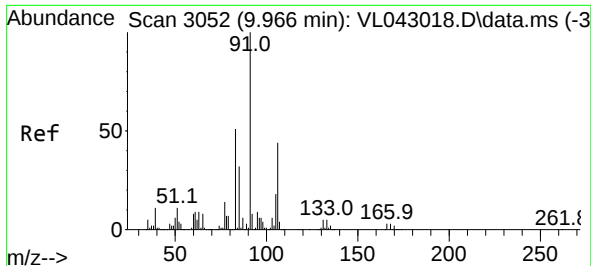
Delta R.T. 0.000 min

Lab File: VL043017.D

Acq: 30 Sep 2025 08:30

Tgt Ion:	105	Resp:	41095
Ion Ratio	Lower	Upper	
105	100		
120	25.1	20.7	31.1





#63

1,1,2,2-Tetrachloroethane

Concen: 0.489 ppbv

RT: 9.966 min Scan# 3052

Delta R.T. 0.000 min

Lab File: VL043017.D

Acq: 30 Sep 2025 08:30

Instrument :

MSVOA_L

ClientSampleId :

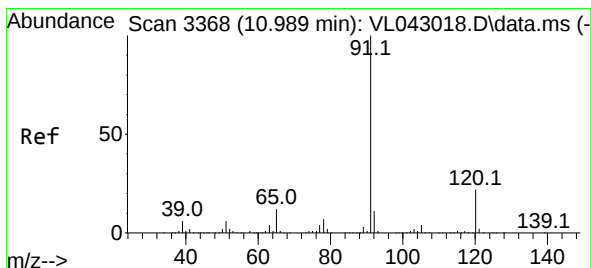
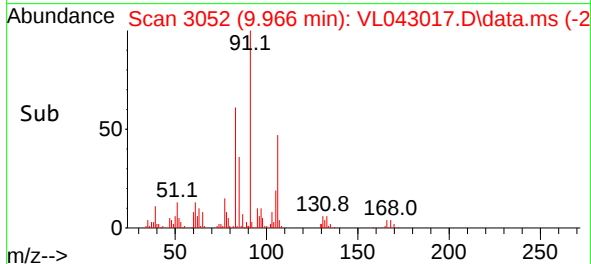
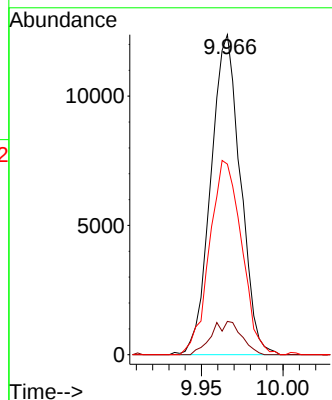
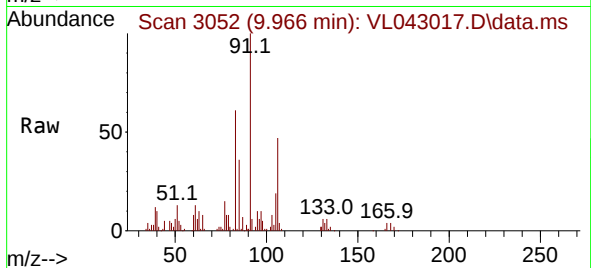
Tgt Ion: 83 Resp: 15583

Ion Ratio Lower Upper

83 100

131 10.6 5.0 14.9

85 66.0 32.2 96.6



#64

n-propylbenzene

Concen: 0.463 ppbv

RT: 10.992 min Scan# 3369

Delta R.T. 0.003 min

Lab File: VL043017.D

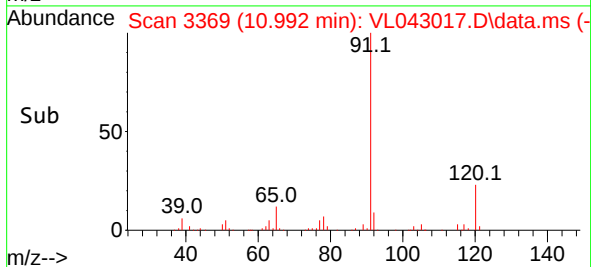
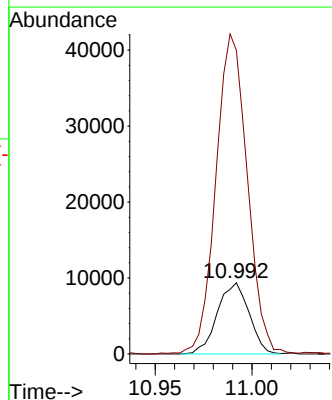
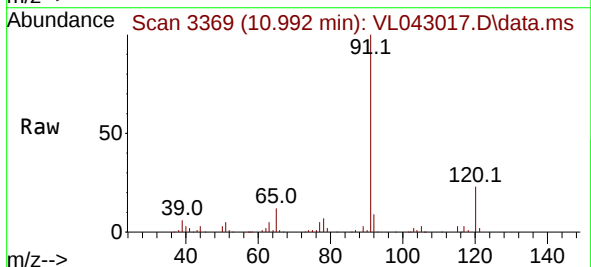
Acq: 30 Sep 2025 08:30

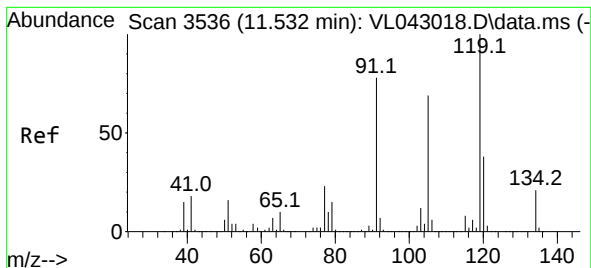
Tgt Ion: 120 Resp: 10663

Ion Ratio Lower Upper

120 100

91 448.7 365.6 548.4





#65

tert-Butylbenzene

Concen: 0.462 ppbv

RT: 11.532 min Scan# 3536

Delta R.T. 0.000 min

Lab File: VL043017.D

Acq: 30 Sep 2025 08:30

Instrument :

MSVOA_L

ClientSampleId :

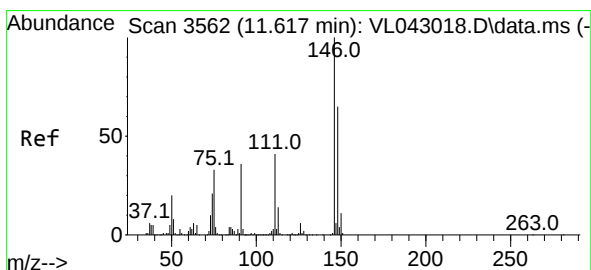
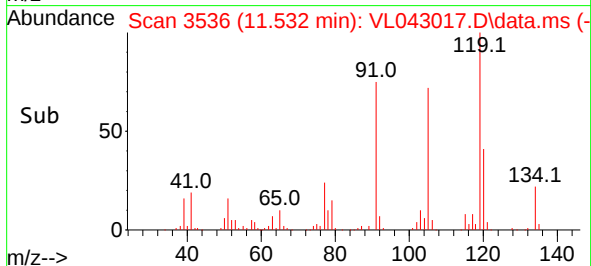
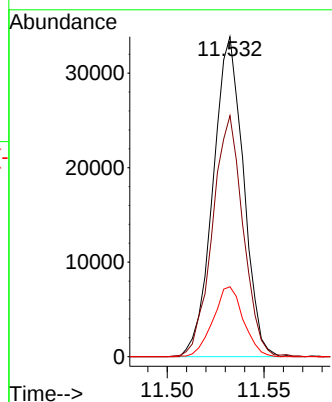
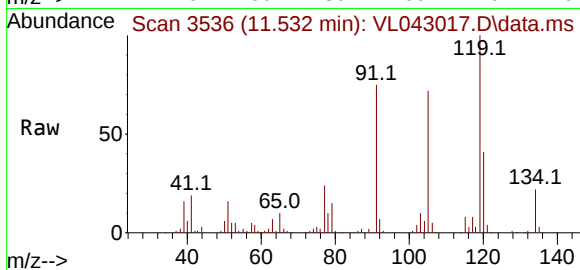
Tgt Ion:119 Resp: 36952

Ion Ratio Lower Upper

119 100

91 76.1 62.6 93.8

134 21.8 16.7 25.1



#66

Benzyl Chloride

Concen: 0.474 ppbv

RT: 11.613 min Scan# 3561

Delta R.T. -0.003 min

Lab File: VL043017.D

Acq: 30 Sep 2025 08:30

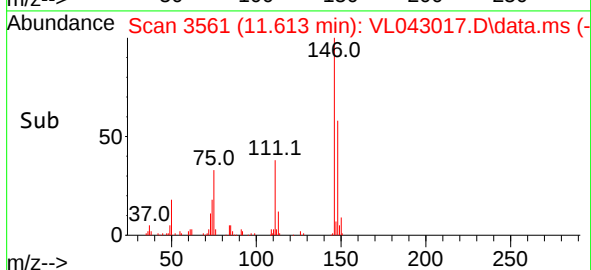
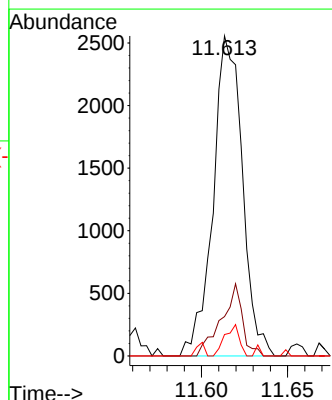
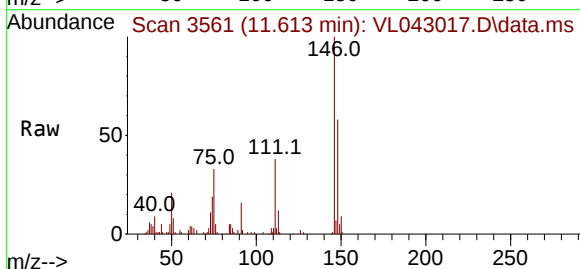
Tgt Ion: 91 Resp: 3023

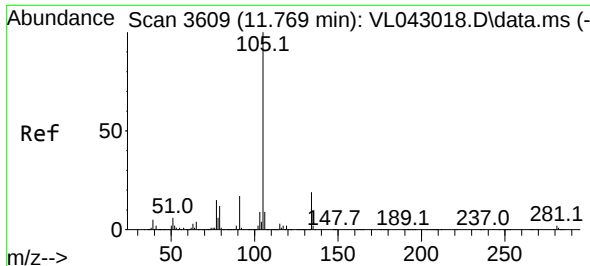
Ion Ratio Lower Upper

91 100

126 16.2 14.1 21.1

128 6.8 4.9 7.3

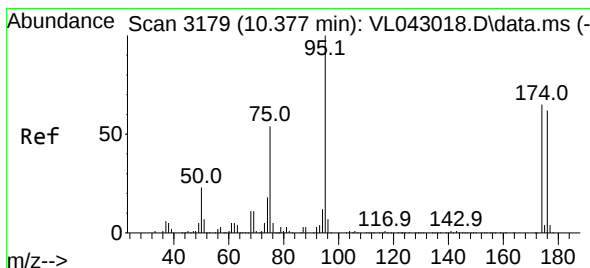
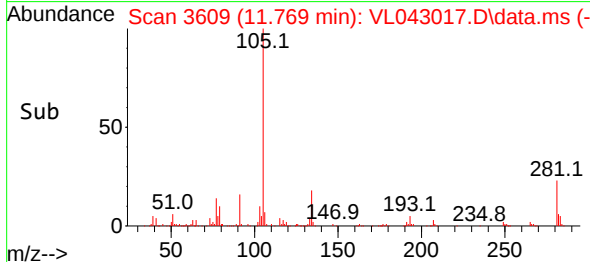
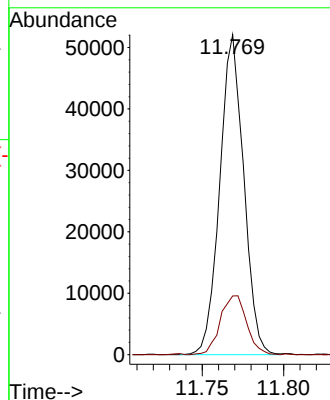
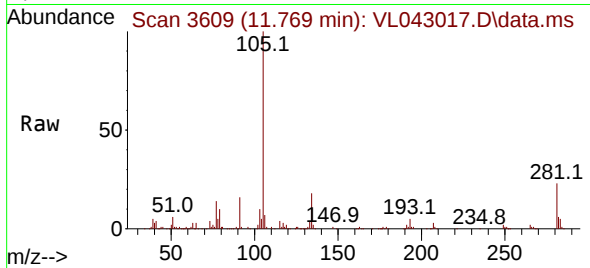




#67
 sec-Butylbenzene
 Concen: 0.476 ppbv
 RT: 11.769 min Scan# 3179
 Delta R.T. 0.000 min
 Lab File: VL043017.D
 Acq: 30 Sep 2025 08:30

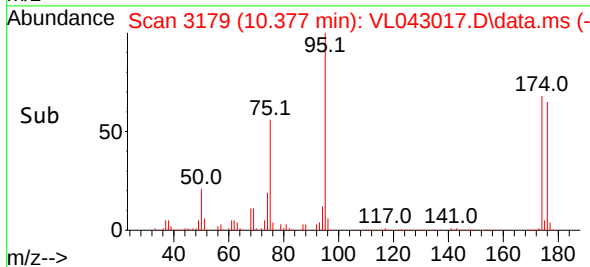
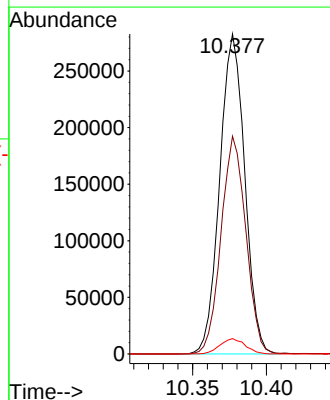
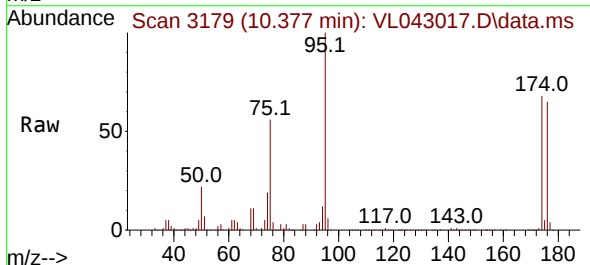
Instrument :
 MSVOA_L
 ClientSampleId :

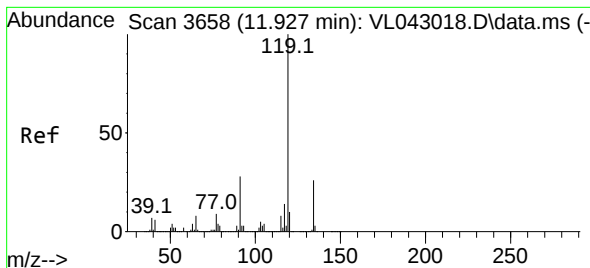
Tgt Ion:105 Resp: 53153
 Ion Ratio Lower Upper
 105 100
 134 20.5 15.4 23.2



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.050 ppbv
 RT: 10.377 min Scan# 3179
 Delta R.T. 0.000 min
 Lab File: VL043017.D
 Acq: 30 Sep 2025 08:30

Tgt Ion: 95 Resp: 333296
 Ion Ratio Lower Upper
 95 100
 174 67.8 53.4 80.2
 175 4.9 3.8 5.8





#69

p-Isopropyltoluene

Concen: 0.446 ppbv

RT: 11.927 min Scan# 3658

Delta R.T. 0.000 min

Lab File: VL043017.D

Acq: 30 Sep 2025 08:30

Instrument :

MSVOA_L

ClientSampleId :

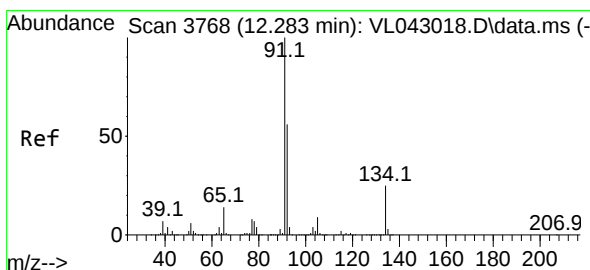
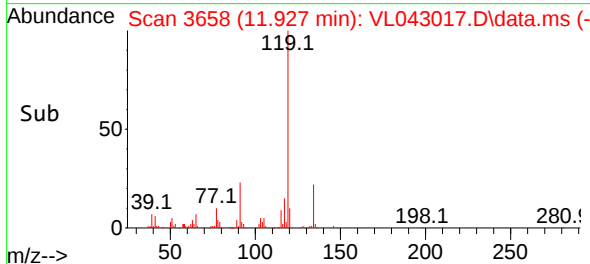
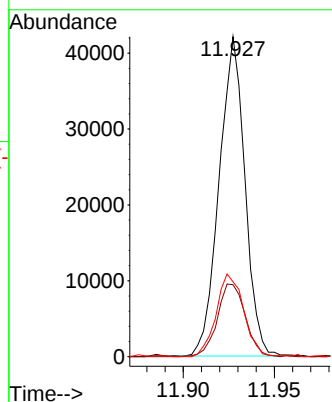
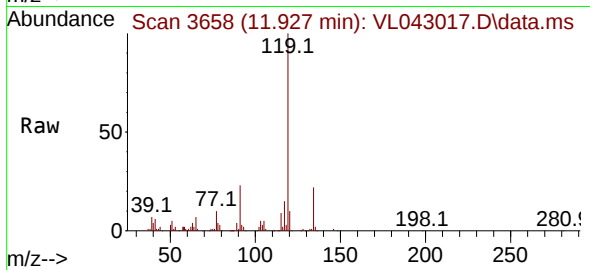
Tgt Ion:119 Resp: 41409

Ion Ratio Lower Upper

119 100

134 24.8 20.3 30.5

91 27.9 22.1 33.1



#70

n-Butylbenzene

Concen: 0.429 ppbv

RT: 12.283 min Scan# 3768

Delta R.T. 0.000 min

Lab File: VL043017.D

Acq: 30 Sep 2025 08:30

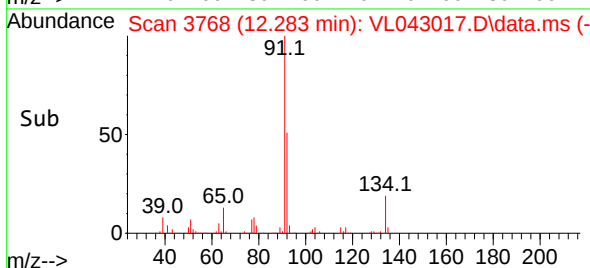
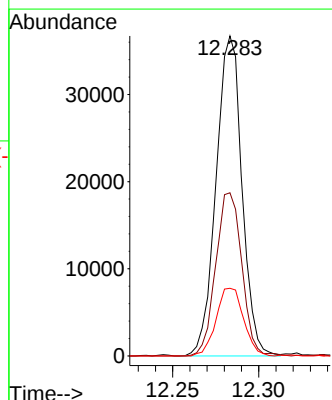
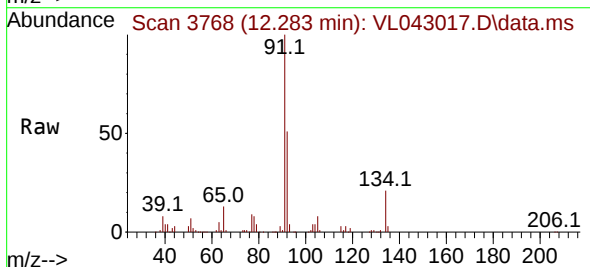
Tgt Ion: 91 Resp: 38473

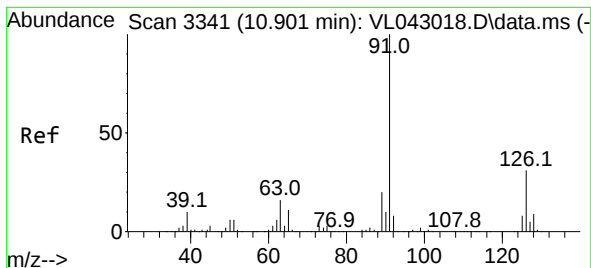
Ion Ratio Lower Upper

91 100

92 51.5 44.2 66.4

134 22.6 19.5 29.3

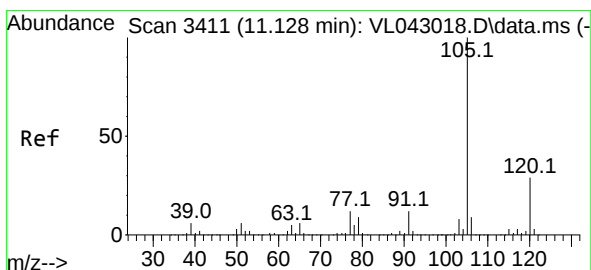
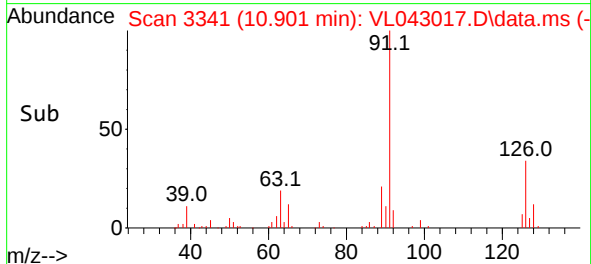
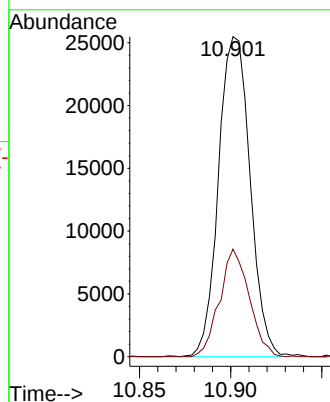
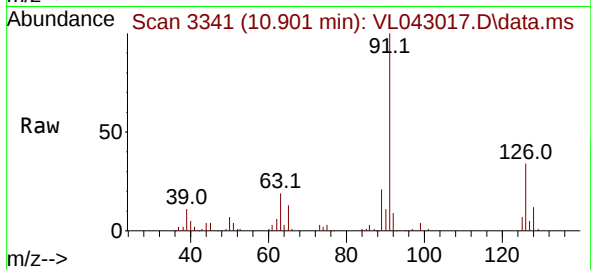




#71
2-Chlorotoluene
Concen: 0.465 ppbv
RT: 10.901 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL043017.D
Acq: 30 Sep 2025 08:30

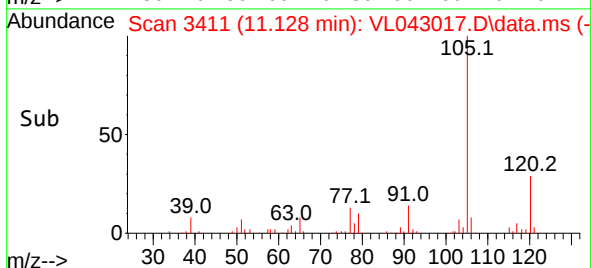
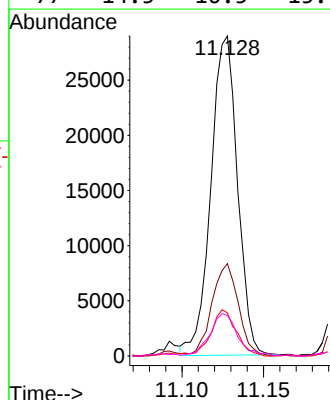
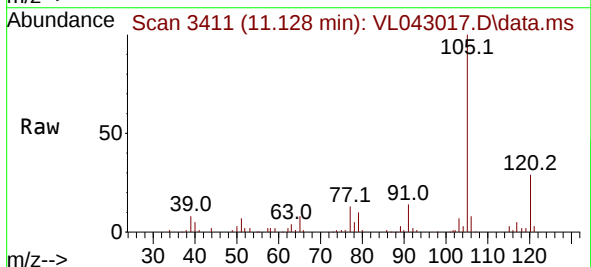
Instrument :
MSVOA_L
ClientSampleId :

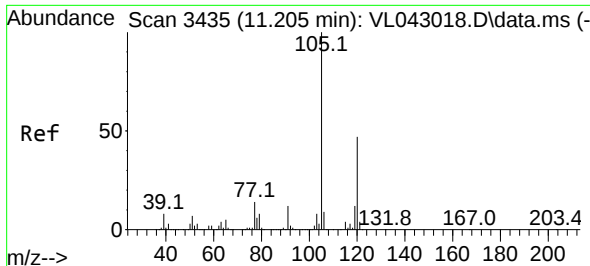
Tgt Ion: 91 Resp: 30635
Ion Ratio Lower Upper
91 100
126 31.6 12.3 49.3



#72
4-Ethyltoluene
Concen: 0.451 ppbv
RT: 11.128 min Scan# 3411
Delta R.T. 0.000 min
Lab File: VL043017.D
Acq: 30 Sep 2025 08:30

Tgt Ion: 105 Resp: 32889
Ion Ratio Lower Upper
105 100
120 29.8 23.6 35.4
91 14.7 10.0 15.0
77 14.5 10.5 15.7

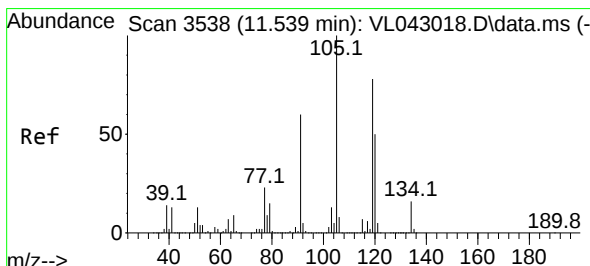
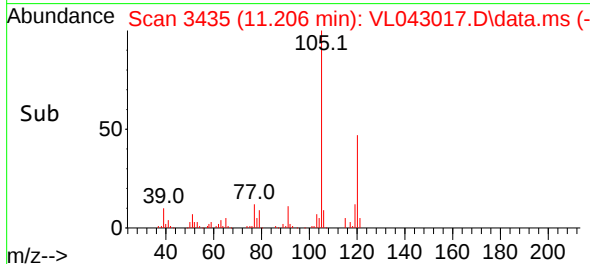
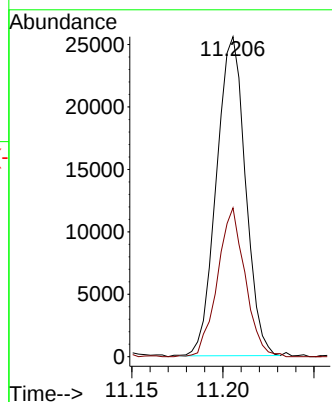
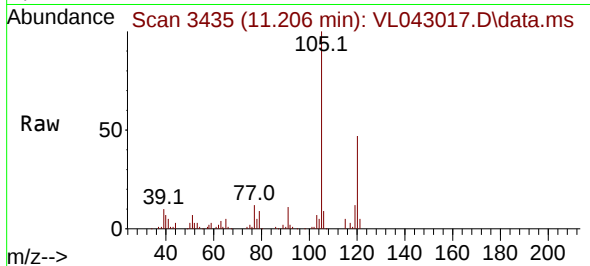




#73
 1,3,5-Trimethylbenzene
 Concen: 0.459 ppbv
 RT: 11.206 min Scan# 3435
 Delta R.T. 0.000 min
 Lab File: VL043017.D
 Acq: 30 Sep 2025 08:30

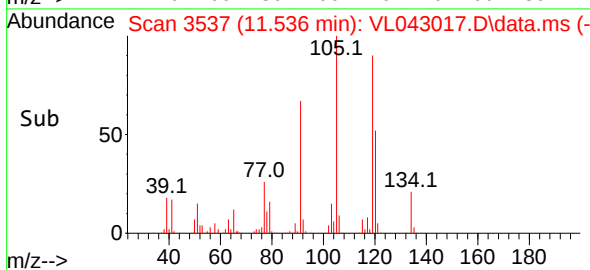
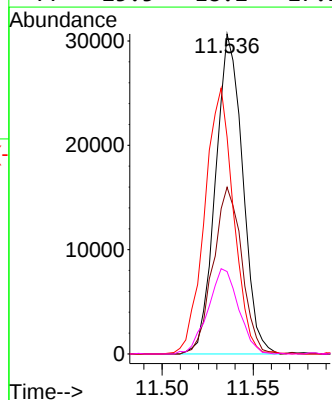
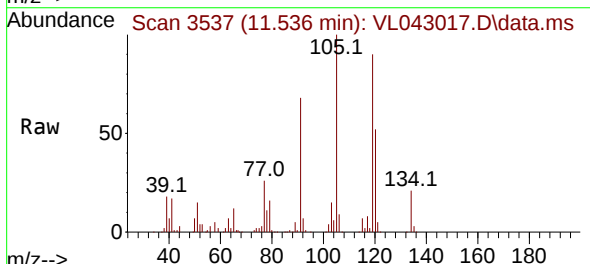
Instrument :
 MSVOA_L
 ClientSampleId :

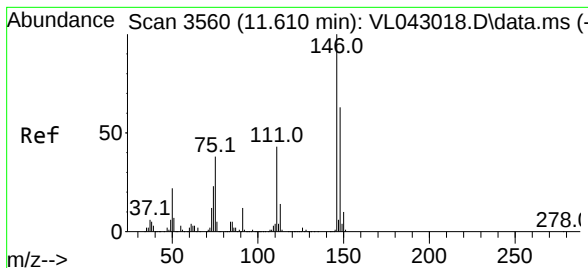
Tgt Ion:105 Resp: 28249
 Ion Ratio Lower Upper
 105 100
 120 46.4 37.4 56.2



#74
 1,2,4-Trimethylbenzene
 Concen: 0.457 ppbv
 RT: 11.536 min Scan# 3537
 Delta R.T. -0.003 min
 Lab File: VL043017.D
 Acq: 30 Sep 2025 08:30

Tgt Ion:105 Resp: 31726
 Ion Ratio Lower Upper
 105 100
 120 52.1 40.3 60.5
 91 67.6 47.7 71.5
 77 25.5 18.2 27.2





#75

1,3-Dichlorobenzene

Concen: 0.478 ppbv

RT: 11.607 min Scan# 3559

Delta R.T. -0.003 min

Lab File: VL043017.D

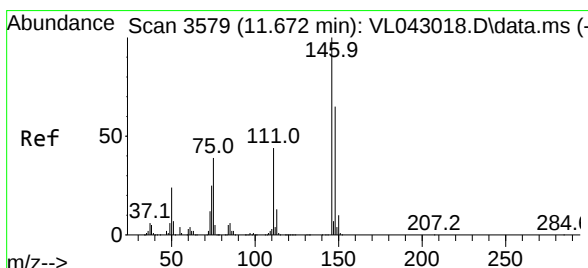
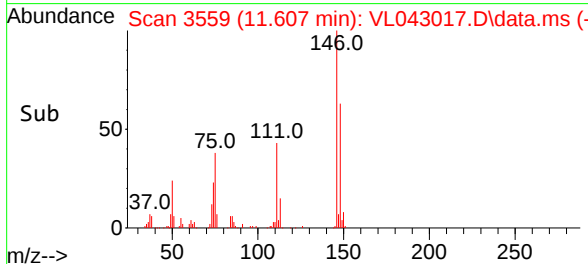
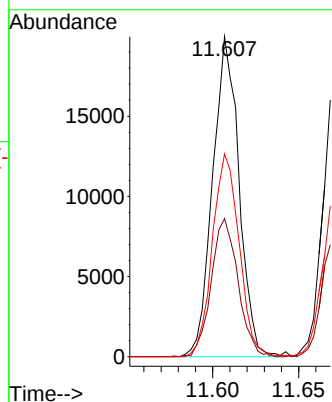
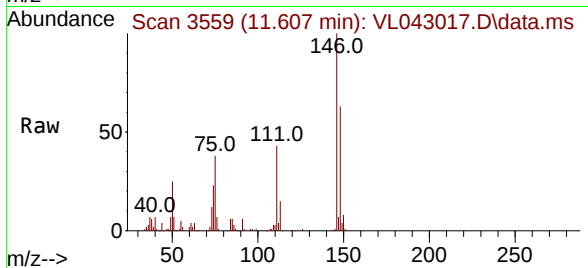
Acq: 30 Sep 2025 08:30

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:146	Resp:	21220
Ion Ratio	Lower	Upper
146	100	
111	44.0	22.0 66.0
148	64.4	31.9 95.7



#76

1,4-Dichlorobenzene

Concen: 0.472 ppbv

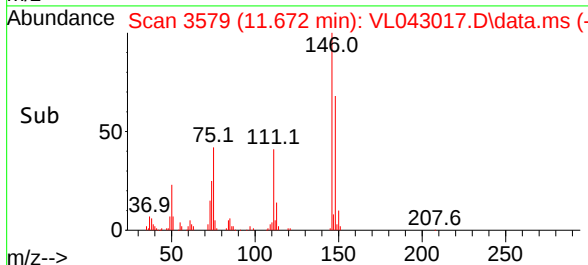
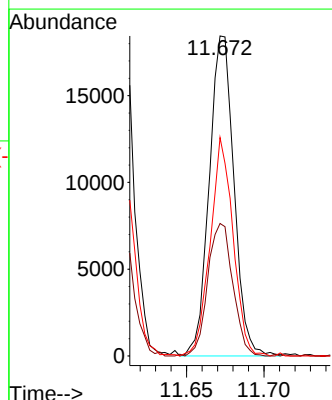
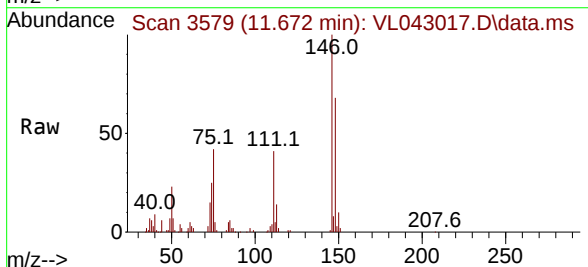
RT: 11.672 min Scan# 3579

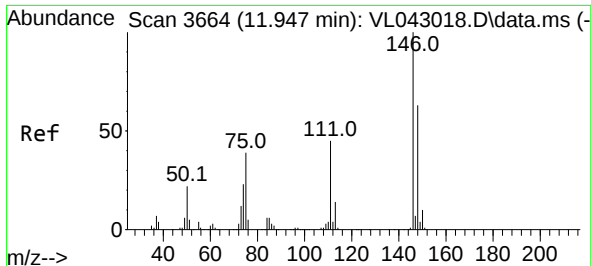
Delta R.T. 0.000 min

Lab File: VL043017.D

Acq: 30 Sep 2025 08:30

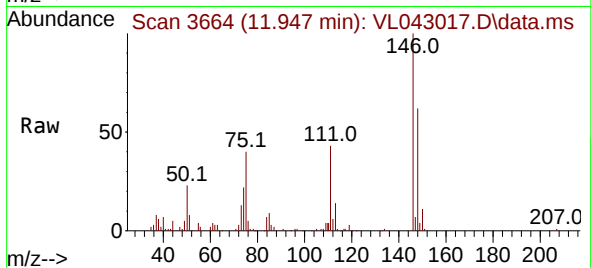
Tgt Ion:146	Resp:	20481
Ion Ratio	Lower	Upper
146	100	
111	42.1	21.9 65.5
148	63.3	32.4 97.2



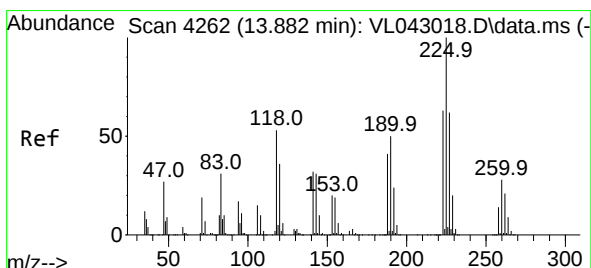
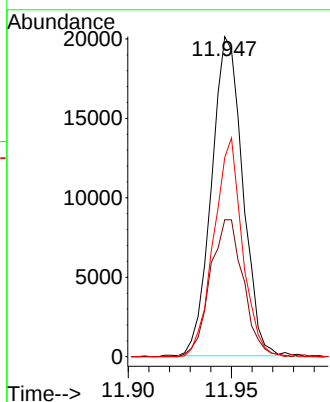
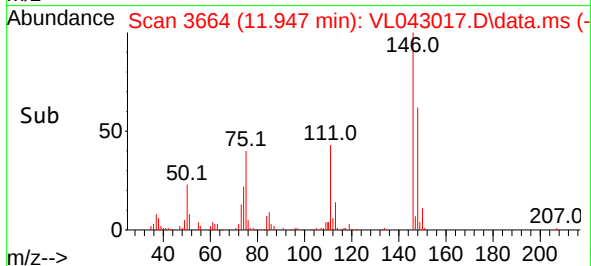


#77
1,2-Dichlorobenzene
Concen: 0.486 ppbv
RT: 11.947 min Scan# 3664
Delta R.T. 0.000 min
Lab File: VL043017.D
Acq: 30 Sep 2025 08:30

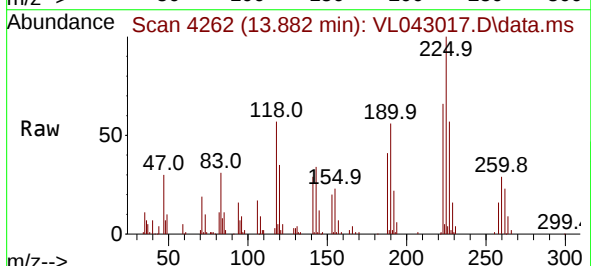
Instrument :
MSVOA_L
ClientSampleId :



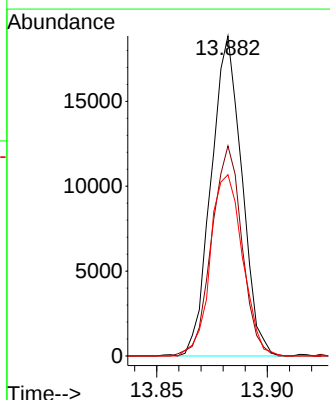
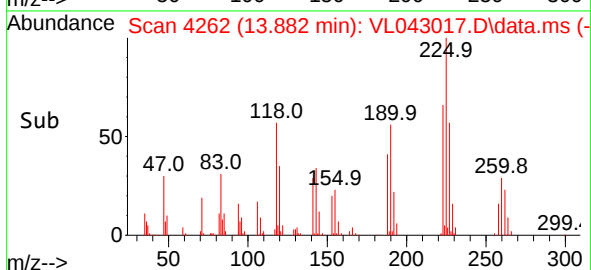
Tgt Ion:146 Resp: 21043
Ion Ratio Lower Upper
146 100
111 45.9 22.9 68.5
148 63.0 31.8 95.4

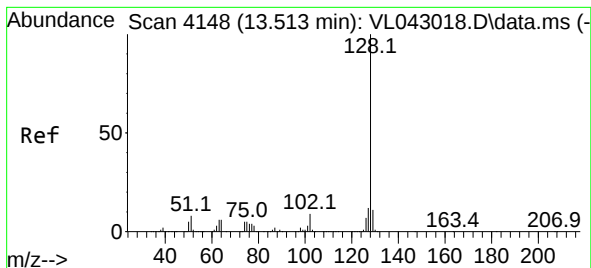


#78
Hexachloro-1,3-Butadiene
Concen: 0.524 ppbv
RT: 13.882 min Scan# 4262
Delta R.T. 0.000 min
Lab File: VL043017.D
Acq: 30 Sep 2025 08:30



Tgt Ion:225 Resp: 18149
Ion Ratio Lower Upper
225 100
223 64.7 50.9 76.3
227 59.8 50.3 75.5





#79

Naphthalene

Concen: 0.407 ppbv

RT: 13.513 min Scan# 4148

Delta R.T. 0.000 min

Lab File: VL043017.D

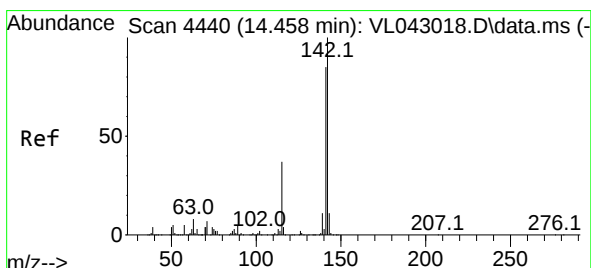
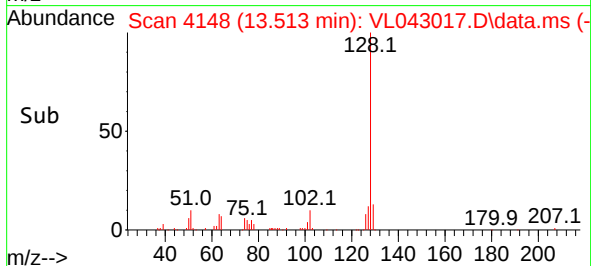
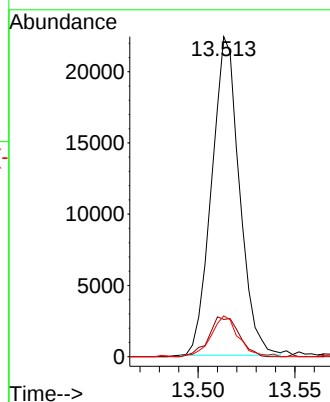
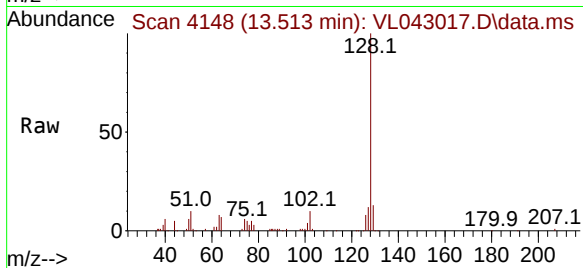
Acq: 30 Sep 2025 08:30

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:128	Resp:	22315
Ion Ratio	Lower	Upper
128	100	
127	11.7	9.9 14.9
129	13.2	8.6 13.0#



#80

Naphthalene,2-methyl-

Concen: 0.382 ppbv

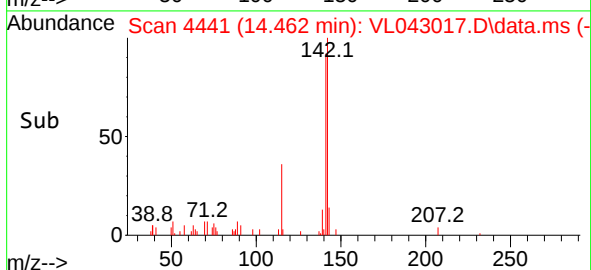
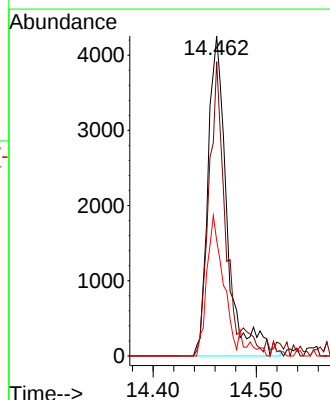
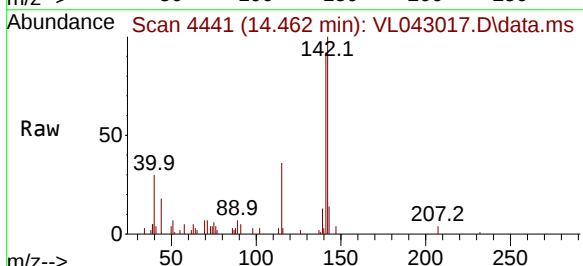
RT: 14.462 min Scan# 4441

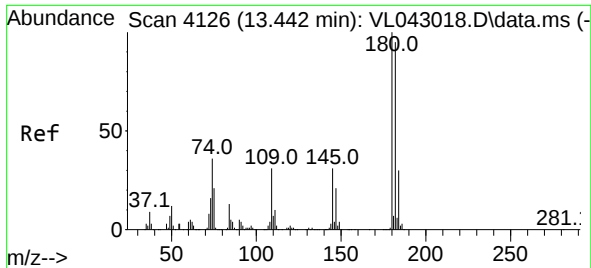
Delta R.T. 0.003 min

Lab File: VL043017.D

Acq: 30 Sep 2025 08:30

Tgt Ion:142	Resp:	5422
Ion Ratio	Lower	Upper
142	100	
141	82.4	67.0 100.4
115	44.0	29.8 44.6





#81

1,2,4-Trichlorobenzene

Concen: 0.377 ppbv

RT: 13.439 min Scan# 41

Delta R.T. -0.003 min

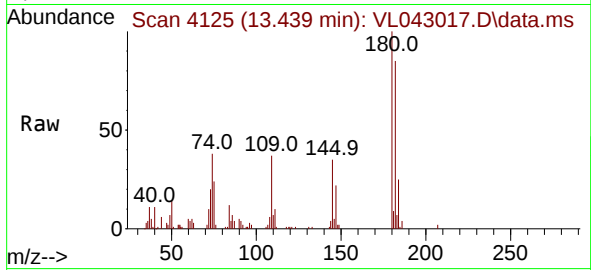
Lab File: VL043017.D

Acq: 30 Sep 2025 08:30

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion:180 Resp: 12539

Ion Ratio Lower Upper

180 100

182 92.2 75.8 113.8

184 30.7 24.2 36.4

