

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101525\
 Data File : VL043116.D
 Acq On : 15 Oct 2025 10:15
 Operator : SY/MD
 Sample : VL1015ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Oct 16 01:14:54 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

QLast Update : Wed Oct 15 02:12:58 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.790	49	93836	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	302461	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	271209	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.380 95 217166 10.302 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 103.000%

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.502	85	131416	9.851	ppbv	99
3) Chlorodifluoromethane	1.476	51	131982	9.144	ppbv	99
4) Chloromethane	1.534	50	47577	9.003	ppbv	99
5) Vinyl Chloride	1.583	62	47002	9.068	ppbv	98
6) Bromomethane	1.670	94	27400	9.640	ppbv	100
7) Chloroethane	1.706	64	19366	9.138	ppbv	97
8) Dichlorotetrafluoroethane	1.557	85	105053	9.743	ppbv	97
9) Propene	1.486	41	53024	8.283	ppbv	99
10) Heptane	4.981	43	151642	8.228	ppbv	99
11) Trichlorofluoromethane	1.881	101	138197	10.591	ppbv	95
12) 1,1,2-Trichlorotrifluo...	2.143	101	105541	10.046	ppbv	99
13) Ethanol	1.722	45	17262	7.290	ppbv	95
14) Bromoethene	1.784	108	37841	9.696	ppbv	98
15) Acetone	1.835	43	109263	8.639	ppbv	98
16) 1,3-Butadiene	1.612	39	53479	8.872	ppbv	100
17) tert-Butyl alcohol	2.039	59	166341	9.581	ppbv	98
18) 1,1-Dichloroethene	2.036	96	46186	10.084	ppbv	95
19) Isopropyl Alcohol	1.887	45	69684	8.846	ppbv	99
20) Methylene Chloride	2.065	84	42203	8.442	ppbv	93
21) Allyl Chloride	2.098	41	86785	9.312	ppbv	93
22) trans-1,2-Dichloroethene	2.344	96	54715	9.994	ppbv	95
23) Vinyl Acetate	2.463	43	168496	9.095	ppbv	99
24) 1,1-Dichloroethane	2.411	63	105823	10.005	ppbv	99
25) Ethyl Acetate	2.835	43	275684	8.790	ppbv	100
26) Hexane	2.829	57	126834	8.776	ppbv	98
27) Carbon Disulfide	2.153	76	132560	10.011	ppbv	98
28) Methyl tert-Butyl Ether	2.441	73	61275	9.319	ppbv	97
29) Chloroform	2.852	83	201183	9.607	ppbv	97
30) Cyclohexane	3.861	84	111570	8.845	ppbv	95
31) cis-1,2-Dichloroethene	2.722	61	132435	9.596	ppbv	96
32) 1,1,1-Trichloroethane	3.373	97	212419	9.741	ppbv	100
34) 2-Butanone	2.557	43	180097	8.858	ppbv	98
35) Carbon Tetrachloride	3.768	117	211777	9.739	ppbv	93
36) Benzene	3.658	78	266465	9.354	ppbv	100
37) 1,2-Dichloroethane	3.221	62	160950	9.808	ppbv	98
38) Trichloroethene	4.551	130	103087	8.665	ppbv	97
39) 1,2-Dichloropropane	4.315	63	92588	8.890	ppbv	96
40) 1,4-Dioxane	4.583	88	43167	9.263	ppbv #	94
41) Tetrahydrofuran	3.056	42	95919	8.435	ppbv	96
42) Bromodichloromethane	4.493	83	224949	9.904	ppbv	100
43) Methyl Methacrylate	4.881	69	130372	9.011	ppbv	98
44) 2,2,4-Trimethylpentane	4.645	57	423028	8.802	ppbv	99
45) t-1,3-Dichloropropene	6.418	75	136672	9.413	ppbv	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101525\
 Data File : VL043116.D
 Acq On : 15 Oct 2025 10:15
 Operator : SY/MD
 Sample : VL1015ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

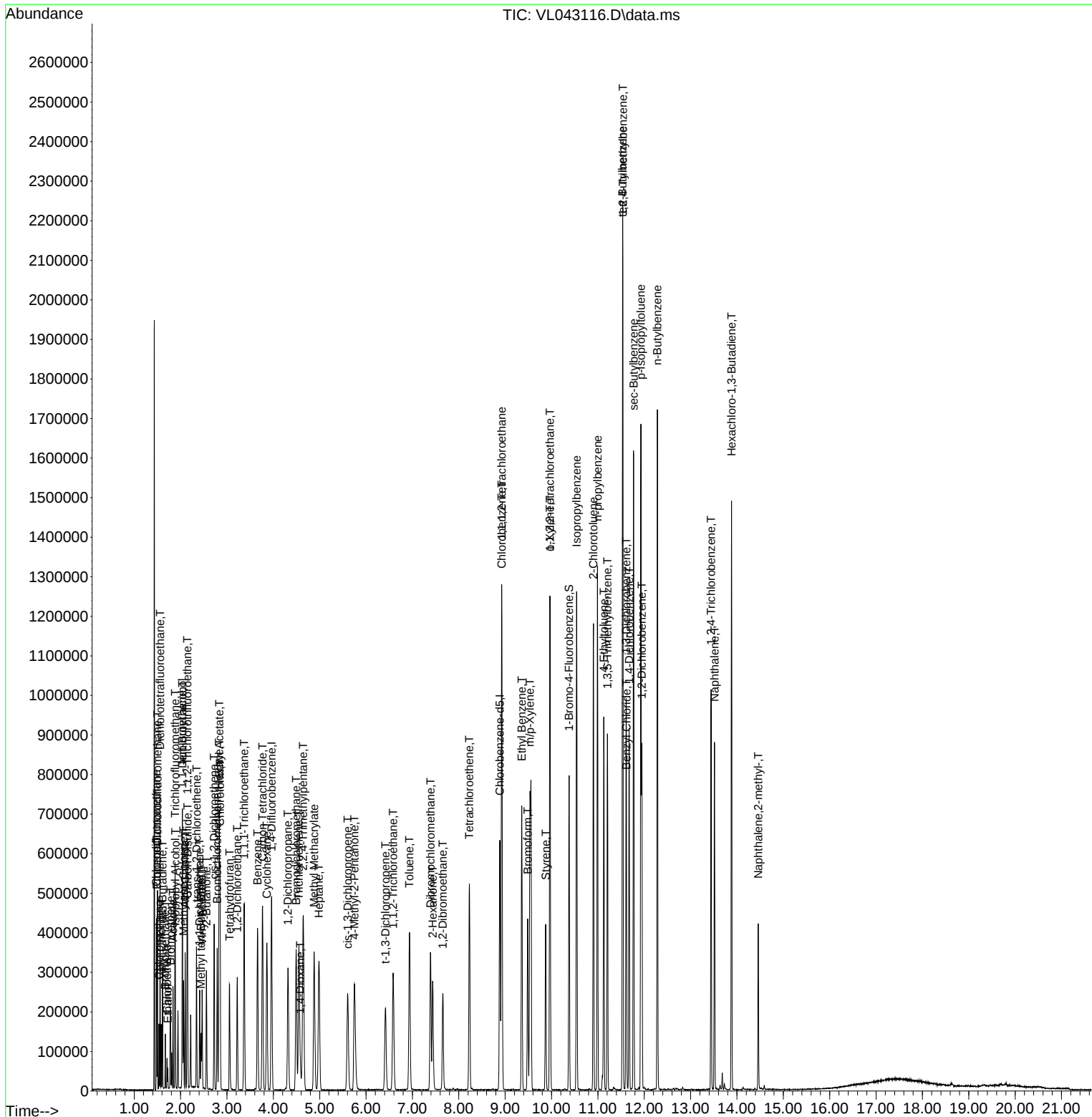
Instrument :
 MSVOA_L
 ClientSampleId :

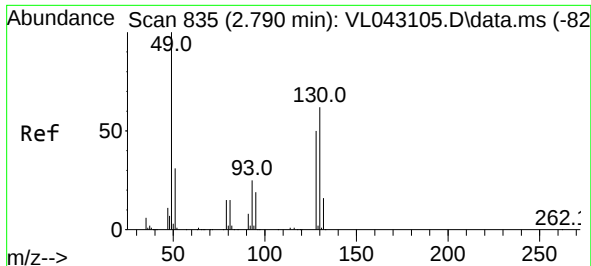
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Oct 15 02:12:58 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.603	75	161245	9.296	ppbv	95
47) 1,1,2-Trichloroethane	6.583	97	102863	9.146	ppbv	96
48) Dibromochloromethane	7.389	129	180998	9.626	ppbv	99
49) Bromoform	9.487	173	146957	9.615	ppbv	99
50) 4-Methyl-2-Pentanone	5.748	43	243541	8.680	ppbv	99
51) 2-Hexanone	7.438	43	186283	8.851	ppbv	99
52) Tetrachloroethene	8.228	164	89410	8.704	ppbv	88
53) Toluene	6.936	91	306729	9.072	ppbv	100
54) 1,2-Dibromoethane	7.655	107	162517	9.226	ppbv	100
56) 1,1,1,2-Tetrachloroethane	8.927	131	161028	9.419	ppbv	99
57) Chlorobenzene	8.924	112	226970	8.946	ppbv	98
58) Ethyl Benzene	9.357	91	422762	9.083	ppbv	99
59) m/p-Xylene	9.535	91	360106	9.700	ppbv #	29
60) o-Xylene	9.966	91	332591	9.071	ppbv	99
61) Styrene	9.875	104	151632	9.161	ppbv	98
62) Isopropylbenzene	10.542	105	598060	9.027	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.966	83	211101	8.598	ppbv	100
64) n-propylbenzene	10.992	120	154542	8.810	ppbv	94
65) tert-Butylbenzene	11.532	119	506098	8.650	ppbv	96
66) Benzyl Chloride	11.616	91	56595	8.691	ppbv	98
67) sec-Butylbenzene	11.772	105	733683	8.836	ppbv	98
69) p-Isopropyltoluene	11.927	119	617578	8.752	ppbv	98
70) n-Butylbenzene	12.283	91	635054	9.133	ppbv	99
71) 2-Chlorotoluene	10.904	91	464145	9.185	ppbv	98
72) 4-Ethyltoluene	11.128	105	408784	9.067	ppbv	99
73) 1,3,5-Trimethylbenzene	11.205	105	343757	9.245	ppbv	94
74) 1,2,4-Trimethylbenzene	11.539	105	364645	8.764	ppbv	99
75) 1,3-Dichlorobenzene	11.610	146	213175	8.833	ppbv	99
76) 1,4-Dichlorobenzene	11.675	146	215187	8.843	ppbv	98
77) 1,2-Dichlorobenzene	11.950	146	200329	8.581	ppbv	98
78) Hexachloro-1,3-Butadiene	13.882	225	143609	7.945	ppbv	98
79) Naphthalene	13.516	128	410097	9.429	ppbv	98
80) Naphthalene,2-methyl-	14.458	142	117693	10.387	ppbv	95
81) 1,2,4-Trichlorobenzene	13.442	180	162229	8.987	ppbv	97

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

Quant Time: Oct 16 01:14:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
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QLast Update : Wed Oct 15 02:12:58 2025
Response via : Initial Calibration

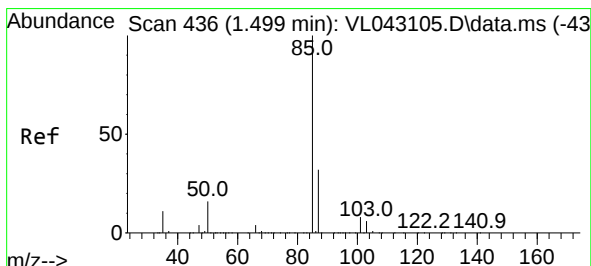
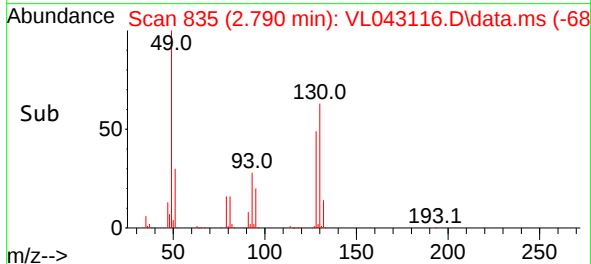
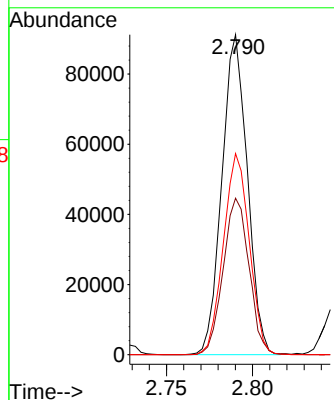
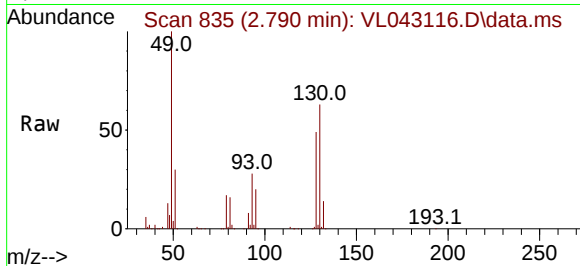




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 2.790 min Scan# 835
 Delta R.T. 0.000 min
 Lab File: VL043116.D
 Acq: 15 Oct 2025 10:15

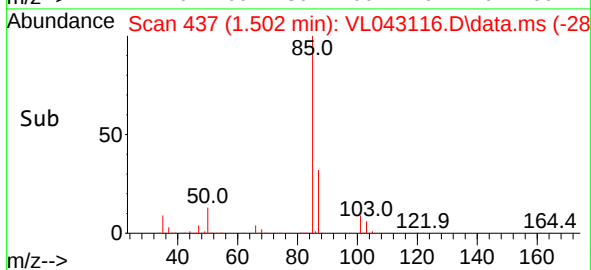
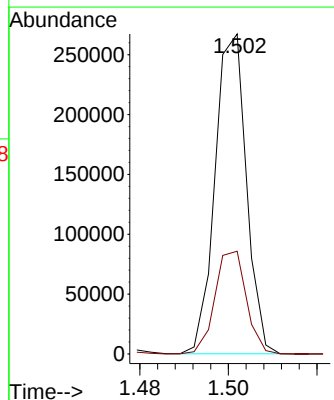
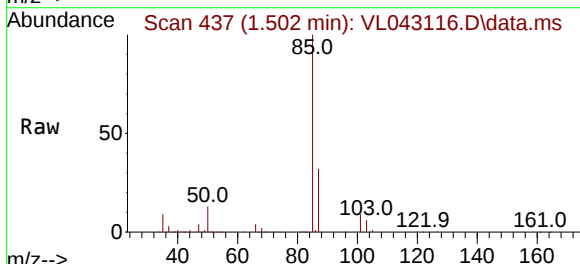
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 MSVOA_L
 ClientSampleId :

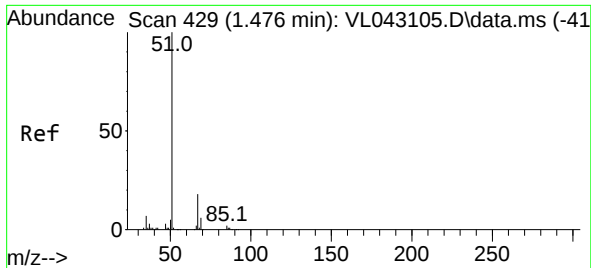
Tgt Ion: 49 Resp: 93836
 Ion Ratio Lower Upper
 49 100
 128 49.7 24.4 73.4
 130 63.8 31.0 93.0



#2
 Dichlorodifluoromethane
 Concen: 9.851 ppbv
 RT: 1.502 min Scan# 437
 Delta R.T. 0.003 min
 Lab File: VL043116.D
 Acq: 15 Oct 2025 10:15

Tgt Ion: 85 Resp: 131416
 Ion Ratio Lower Upper
 85 100
 87 32.1 25.3 37.9

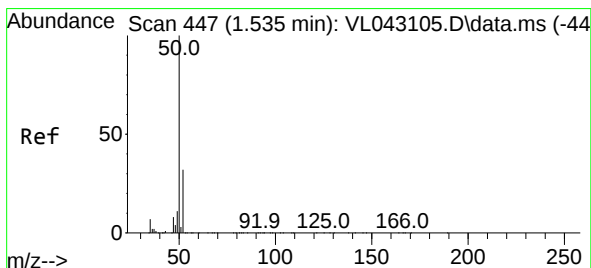
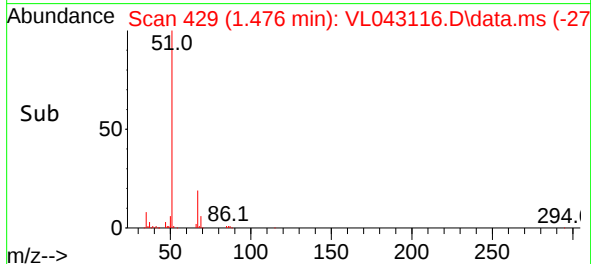
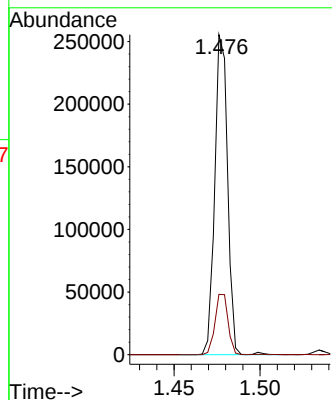
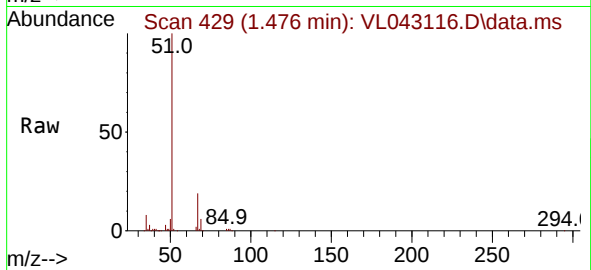




#3
Chlorodifluoromethane
Concen: 9.144 ppbv
RT: 1.476 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL043116.D
Acq: 15 Oct 2025 10:15

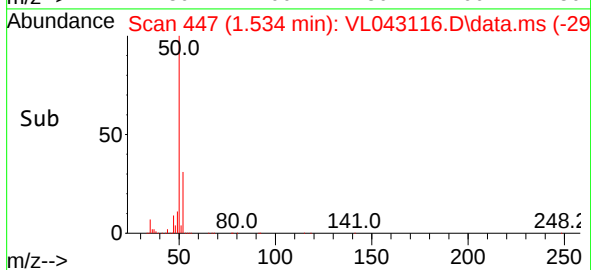
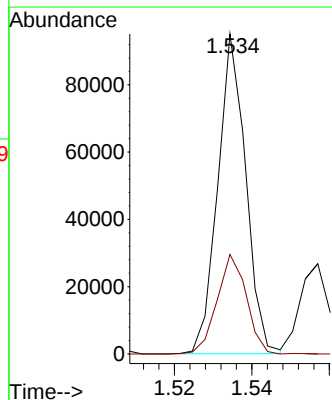
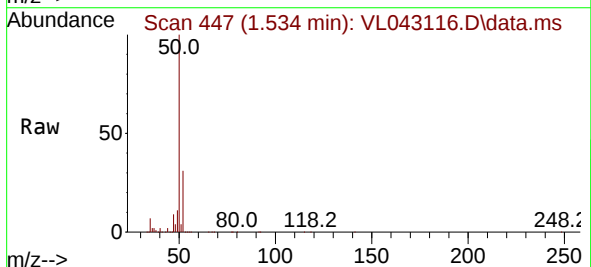
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MSVOA_L
ClientSampleId :

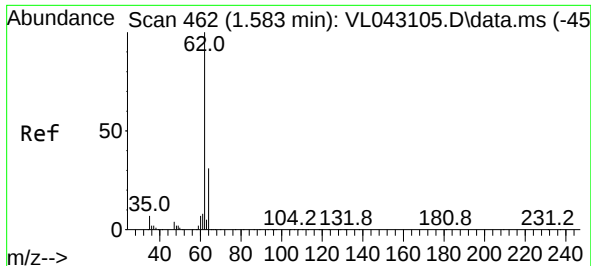
Tgt Ion: 51 Resp: 131982
Ion Ratio Lower Upper
51 100
67 19.4 15.1 22.7



#4
Chloromethane
Concen: 9.003 ppbv
RT: 1.534 min Scan# 447
Delta R.T. -0.000 min
Lab File: VL043116.D
Acq: 15 Oct 2025 10:15

Tgt Ion: 50 Resp: 47577
Ion Ratio Lower Upper
50 100
52 31.1 25.2 37.8

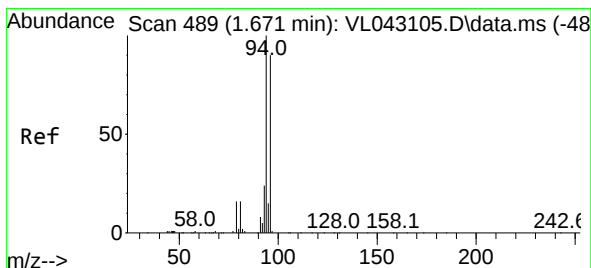
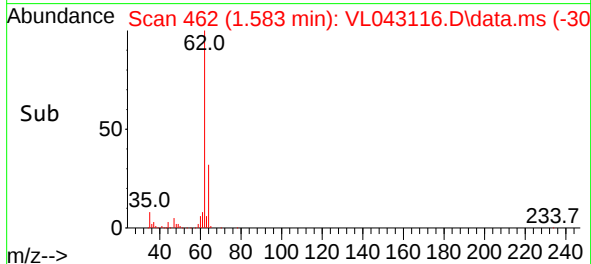
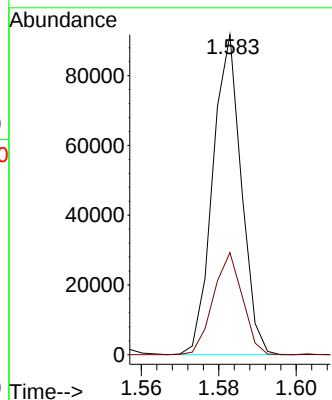
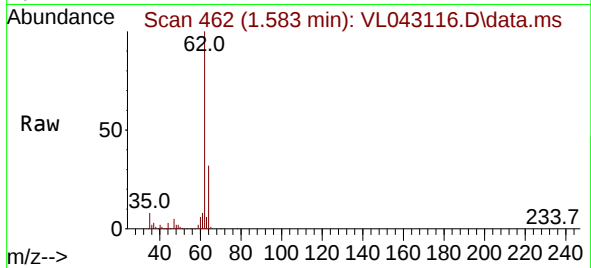




#5
 Vinyl Chloride
 Concen: 9.068 ppbv
 RT: 1.583 min Scan# 462
 Delta R.T. -0.000 min
 Lab File: VL043116.D
 Acq: 15 Oct 2025 10:15

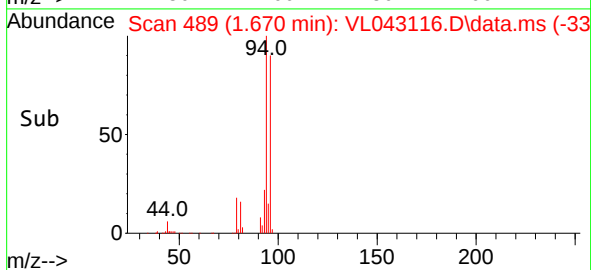
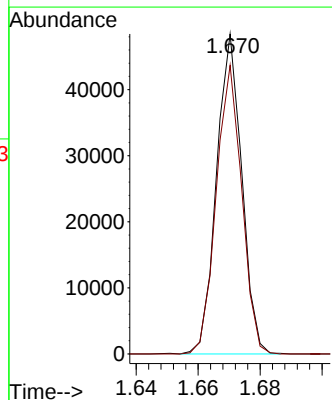
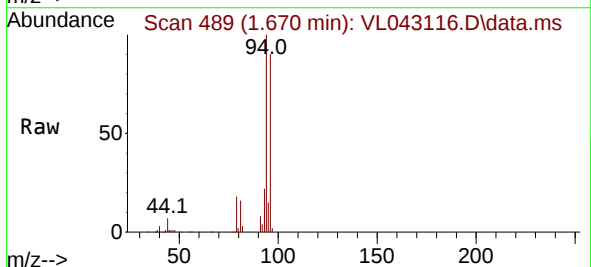
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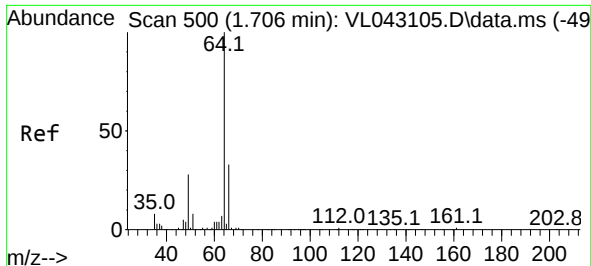
Tgt Ion: 62 Resp: 47002
 Ion Ratio Lower Upper
 62 100
 64 31.8 24.6 36.8



#6
 Bromomethane
 Concen: 9.640 ppbv
 RT: 1.670 min Scan# 489
 Delta R.T. -0.000 min
 Lab File: VL043116.D
 Acq: 15 Oct 2025 10:15

Tgt Ion: 94 Resp: 27400
 Ion Ratio Lower Upper
 94 100
 96 90.2 72.2 108.4

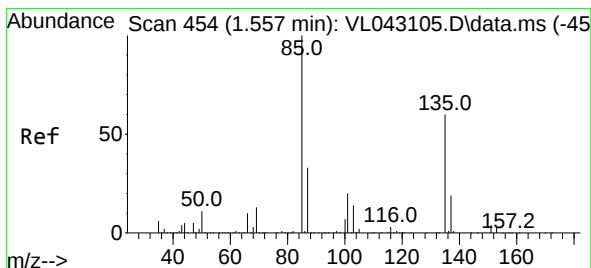
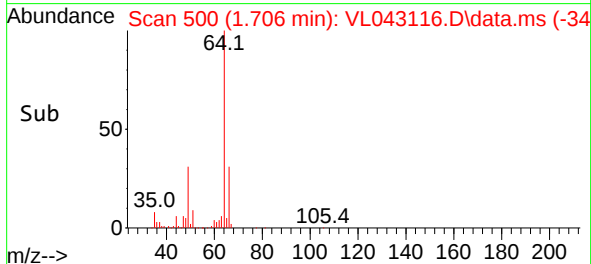
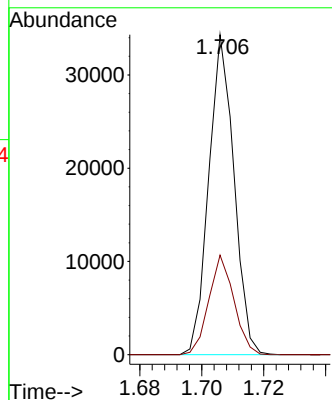
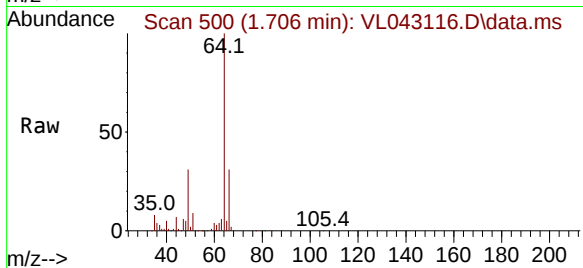




#7
Chloroethane
Concen: 9.138 ppbv
RT: 1.706 min Scan# 500
Delta R.T. -0.000 min
Lab File: VL043116.D
Acq: 15 Oct 2025 10:15

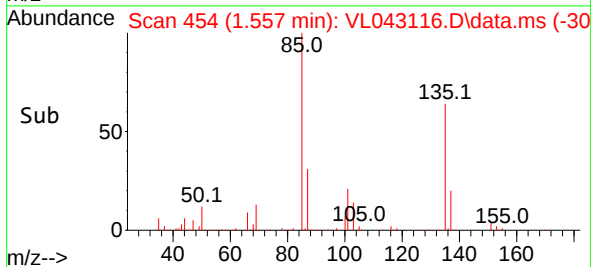
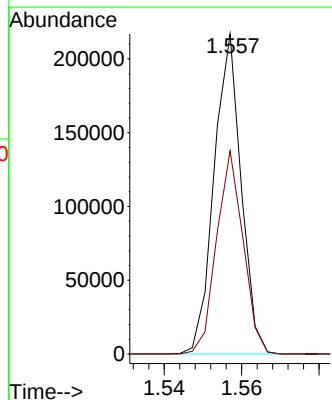
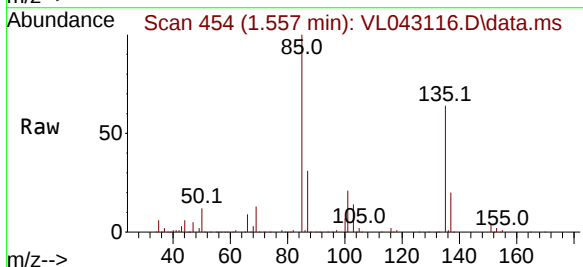
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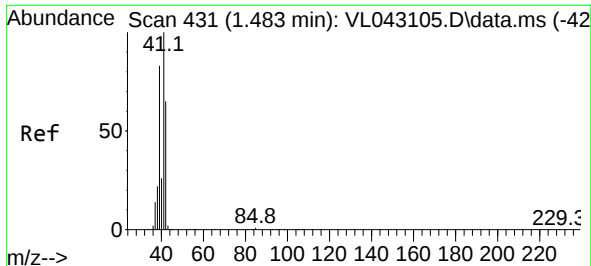
Tgt Ion: 64 Resp: 19366
Ion Ratio Lower Upper
64 100
66 31.1 26.0 39.0



#8
Dichlorotetrafluoroethane
Concen: 9.743 ppbv
RT: 1.557 min Scan# 454
Delta R.T. -0.000 min
Lab File: VL043116.D
Acq: 15 Oct 2025 10:15

Tgt Ion: 85 Resp: 105053
Ion Ratio Lower Upper
85 100
135 62.5 48.2 72.4





#9

Propene

Concen: 8.283 ppbv

RT: 1.486 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL043116.D

Acq: 15 Oct 2025 10:15

Instrument :

MSVOA_L

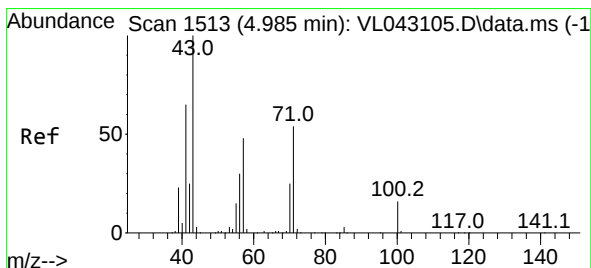
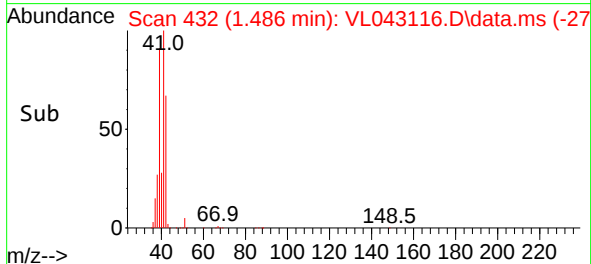
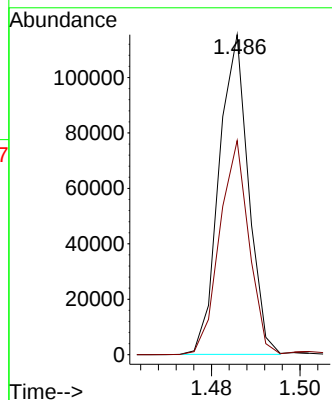
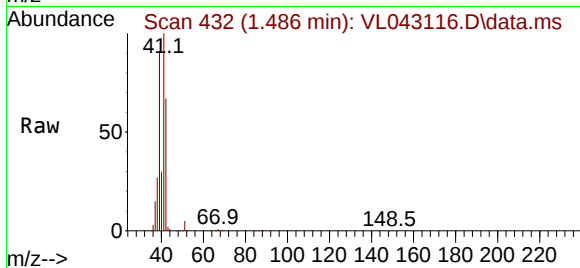
ClientSampleId :

Tgt Ion: 41 Resp: 53024

Ion Ratio Lower Upper

41 100

42 68.0 55.1 82.7



#10

Heptane

Concen: 8.228 ppbv

RT: 4.981 min Scan# 1512

Delta R.T. -0.003 min

Lab File: VL043116.D

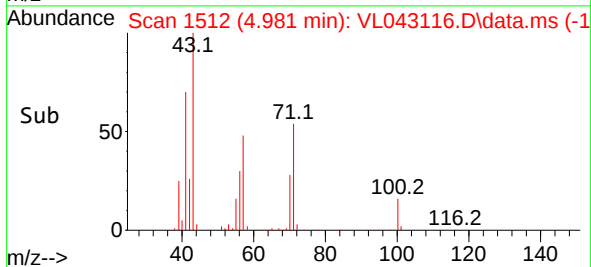
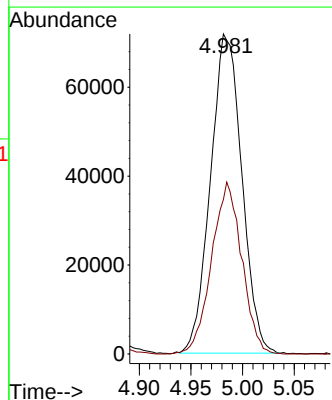
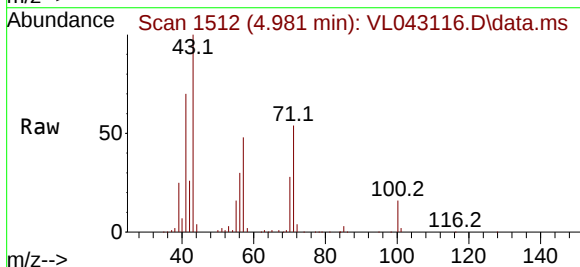
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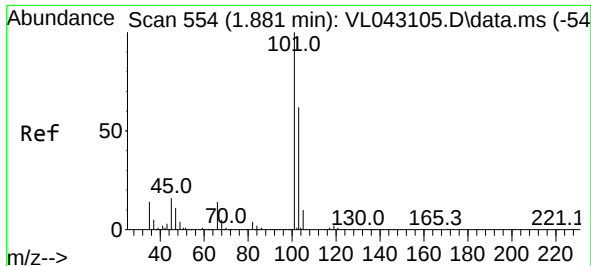
Tgt Ion: 43 Resp: 151642

Ion Ratio Lower Upper

43 100

57 51.8 40.8 61.2

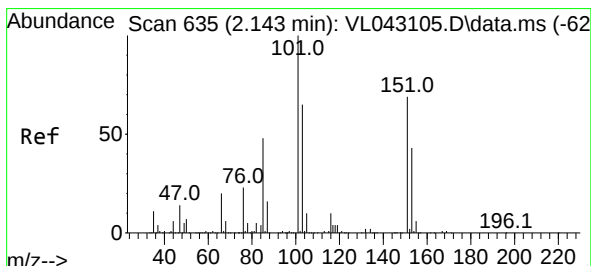
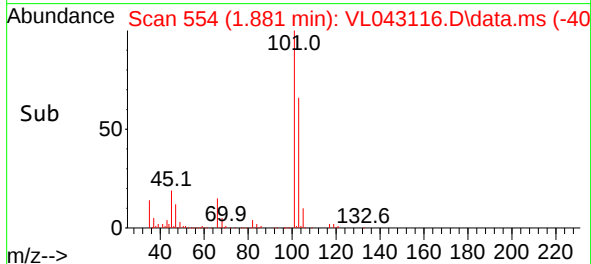
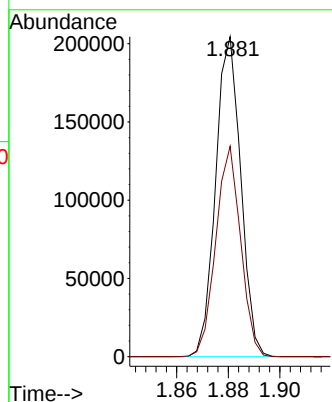
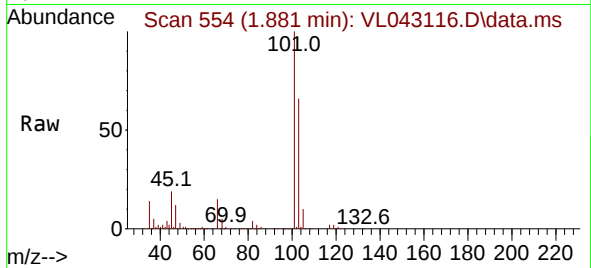




#11
 Trichlorofluoromethane
 Concen: 10.591 ppbv
 RT: 1.881 min Scan# 511
 Delta R.T. -0.000 min
 Lab File: VL043116.D
 Acq: 15 Oct 2025 10:15

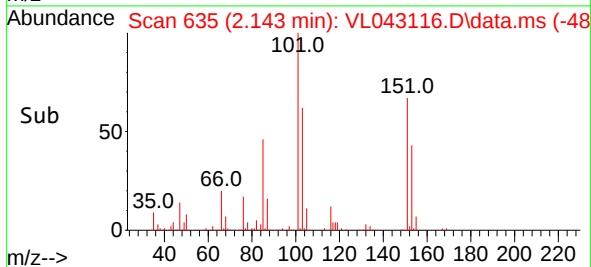
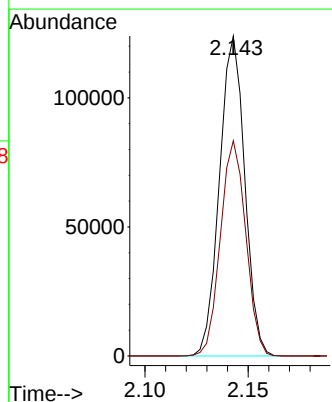
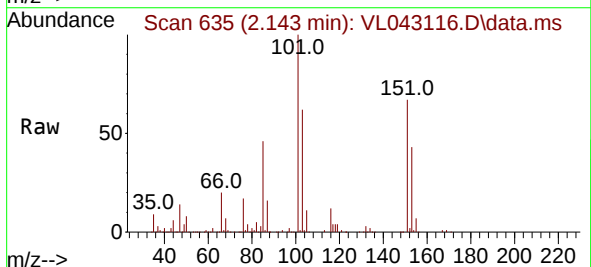
Instrument :
 MSVOA_L
 ClientSampleId :

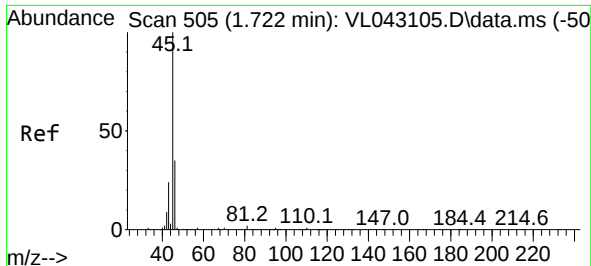
Tgt Ion:101 Resp: 138197
 Ion Ratio Lower Upper
 101 100
 103 65.7 49.3 73.9



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.046 ppbv
 RT: 2.143 min Scan# 635
 Delta R.T. -0.000 min
 Lab File: VL043116.D
 Acq: 15 Oct 2025 10:15

Tgt Ion:101 Resp: 105541
 Ion Ratio Lower Upper
 101 100
 151 67.4 54.7 82.1

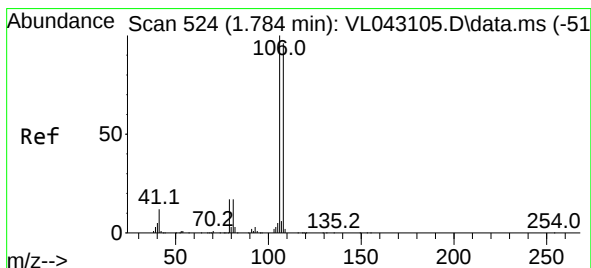
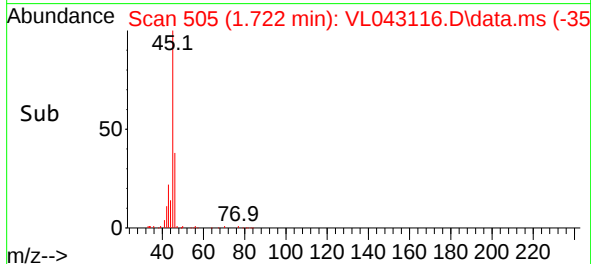
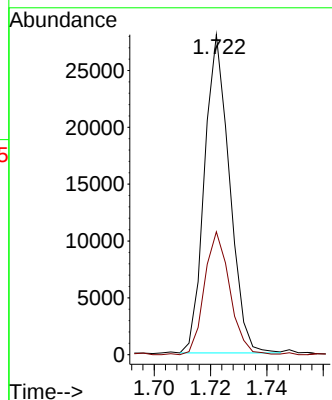
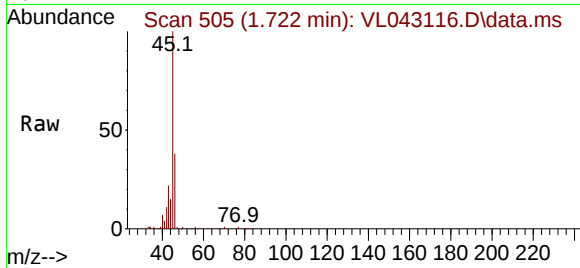




#13
Ethanol
Concen: 7.290 ppbv
RT: 1.722 min Scan# 505
Delta R.T. -0.000 min
Lab File: VL043116.D
Acq: 15 Oct 2025 10:15

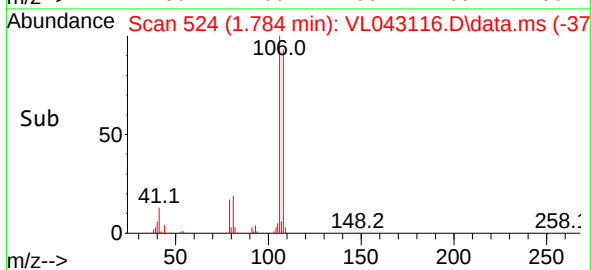
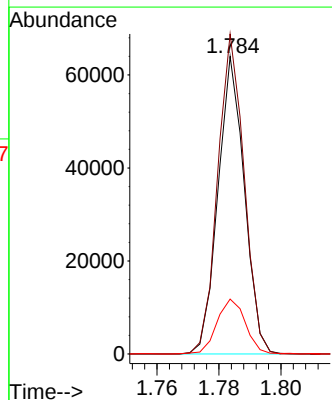
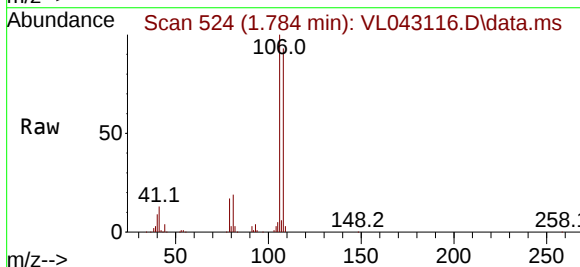
Instrument :
MSVOA_L
ClientSampleId :

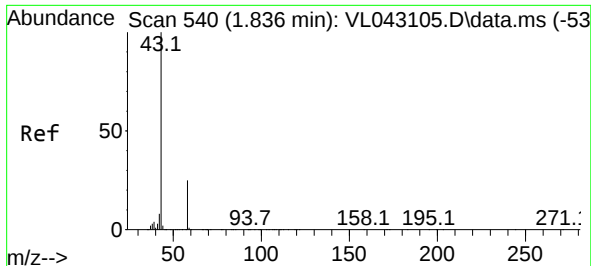
Tgt Ion: 45 Resp: 17262
Ion Ratio Lower Upper
45 100
46 39.5 14.7 58.9



#14
Bromoethene
Concen: 9.696 ppbv
RT: 1.784 min Scan# 524
Delta R.T. -0.000 min
Lab File: VL043116.D
Acq: 15 Oct 2025 10:15

Tgt Ion: 108 Resp: 37841
Ion Ratio Lower Upper
108 100
106 107.5 84.4 126.6
79 20.3 15.3 22.9

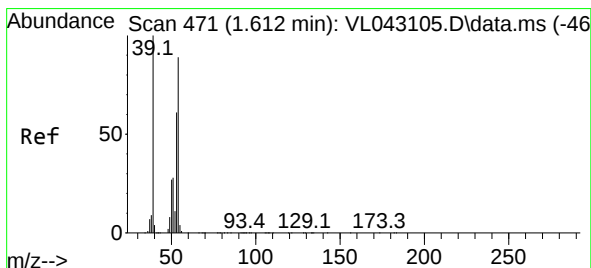
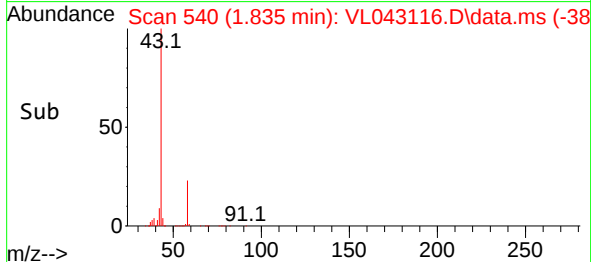
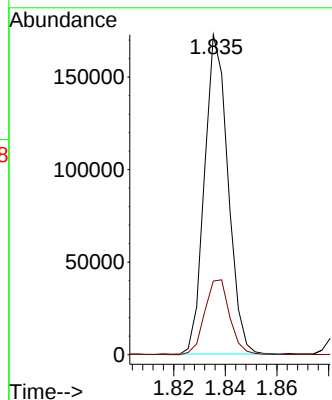
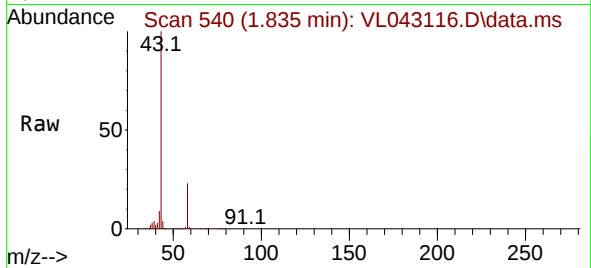




#15
Acetone
Concen: 8.639 ppbv
RT: 1.835 min Scan# 540
Delta R.T. -0.000 min
Lab File: VL043116.D
Acq: 15 Oct 2025 10:15

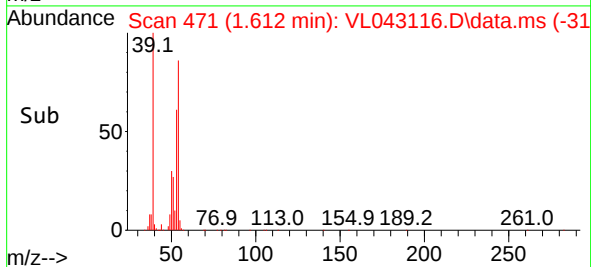
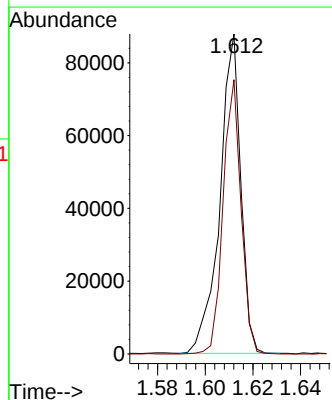
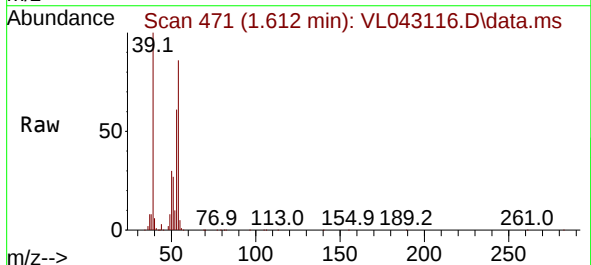
Instrument :
MSVOA_L
ClientSampleId :

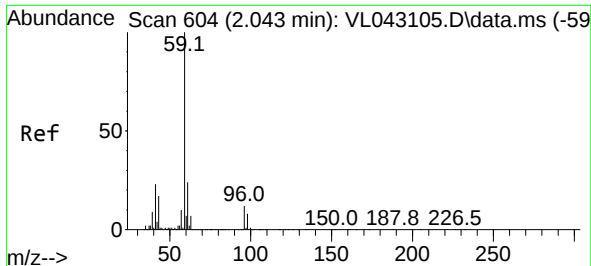
Tgt Ion: 43 Resp: 109263
Ion Ratio Lower Upper
43 100
58 25.2 20.8 31.2



#16
1,3-Butadiene
Concen: 8.872 ppbv
RT: 1.612 min Scan# 471
Delta R.T. -0.000 min
Lab File: VL043116.D
Acq: 15 Oct 2025 10:15

Tgt Ion: 39 Resp: 53479
Ion Ratio Lower Upper
39 100
54 73.4 59.0 88.4





#17

tert-Butyl alcohol

Concen: 9.581 ppbv

RT: 2.039 min Scan# 604

Delta R.T. -0.003 min

Lab File: VL043116.D

Acq: 15 Oct 2025 10:15

Instrument :

MSVOA_L

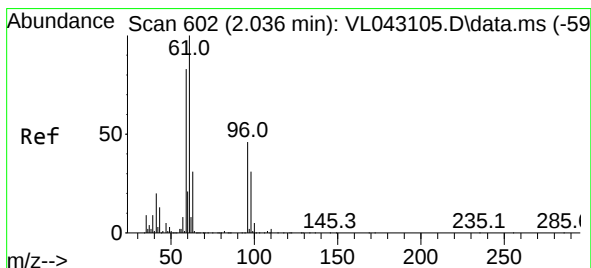
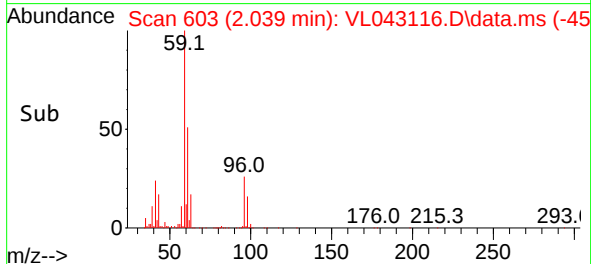
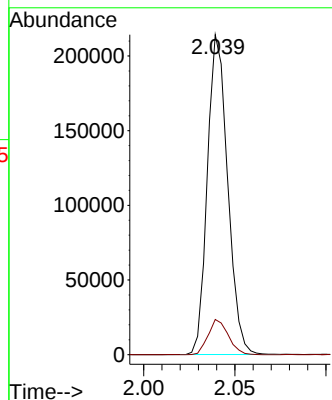
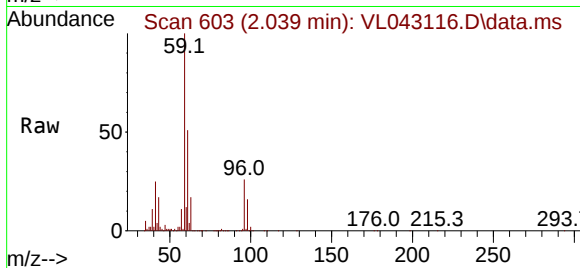
ClientSampleId :

Tgt Ion: 59 Resp: 166341

Ion Ratio Lower Upper

59 100

57 11.0 8.2 12.4



#18

1,1-Dichloroethene

Concen: 10.084 ppbv

RT: 2.036 min Scan# 602

Delta R.T. -0.000 min

Lab File: VL043116.D

Acq: 15 Oct 2025 10:15

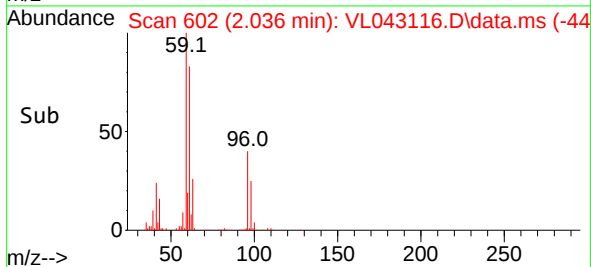
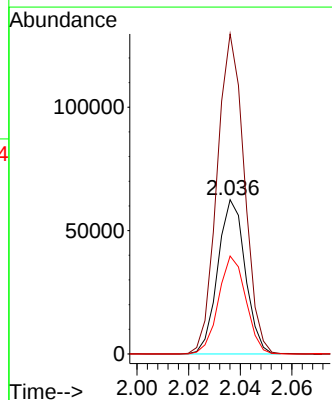
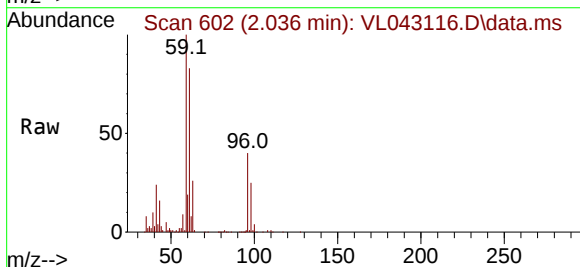
Tgt Ion: 96 Resp: 46186

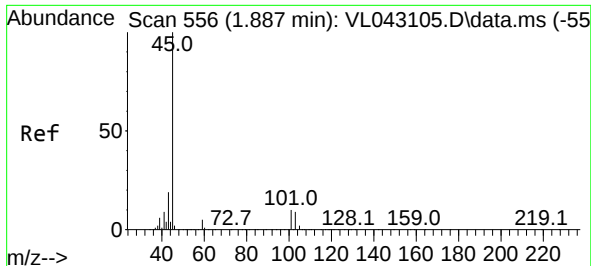
Ion Ratio Lower Upper

96 100

61 207.4 173.4 260.0

98 63.5 53.2 79.8





#19

Isopropyl Alcohol

Concen: 8.846 ppbv

RT: 1.887 min Scan# 556

Delta R.T. -0.000 min

Lab File: VL043116.D

Acq: 15 Oct 2025 10:15

Instrument :

MSVOA_L

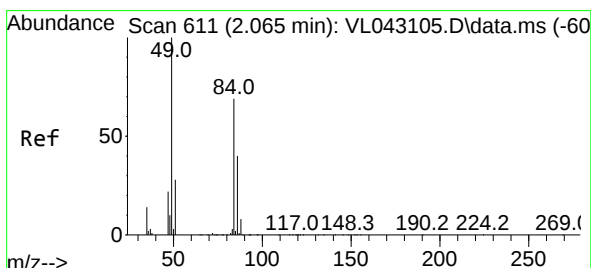
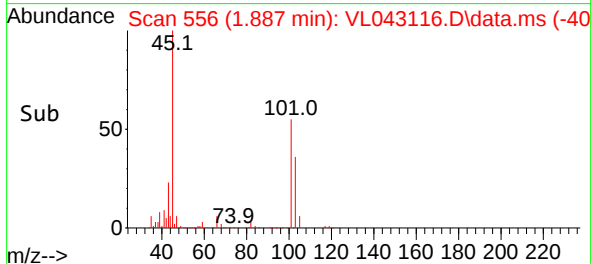
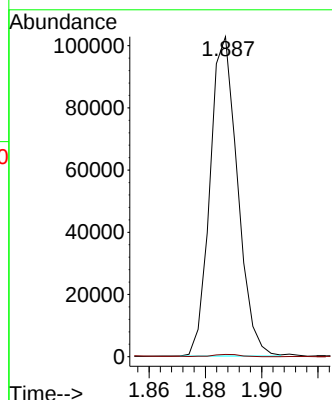
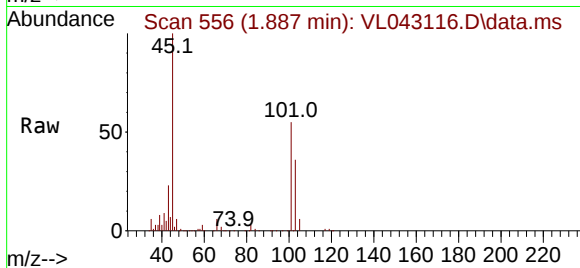
ClientSampleId :

Tgt Ion: 45 Resp: 69684

Ion Ratio Lower Upper

45 100

58 39.4 31.3 46.9



#20

Methylene Chloride

Concen: 8.442 ppbv

RT: 2.065 min Scan# 611

Delta R.T. -0.000 min

Lab File: VL043116.D

Acq: 15 Oct 2025 10:15

Tgt Ion: 84 Resp: 42203

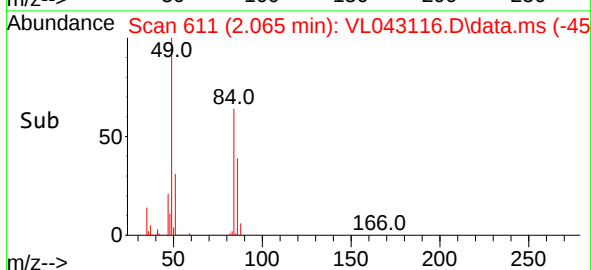
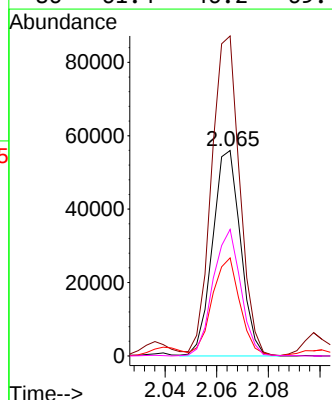
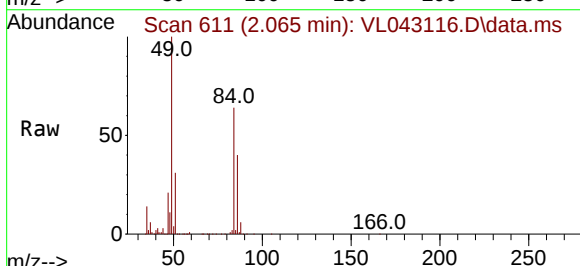
Ion Ratio Lower Upper

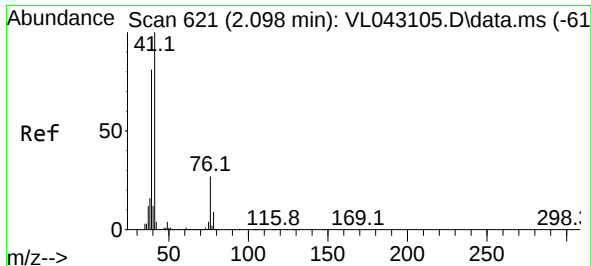
84 100

49 155.5 116.6 175.0

51 47.6 34.8 52.2

86 61.4 46.2 69.4

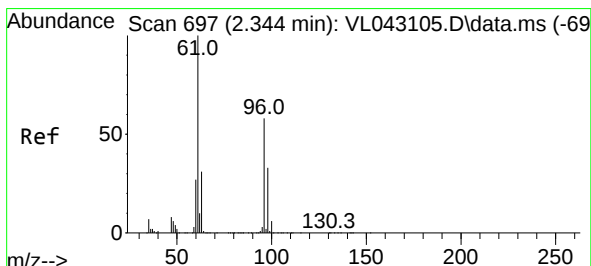
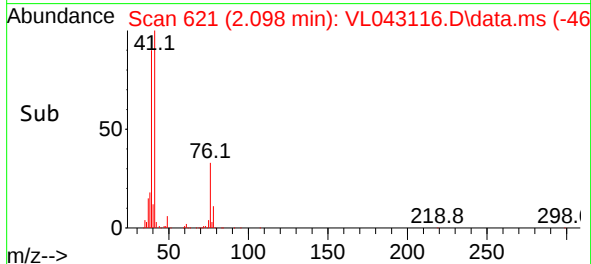
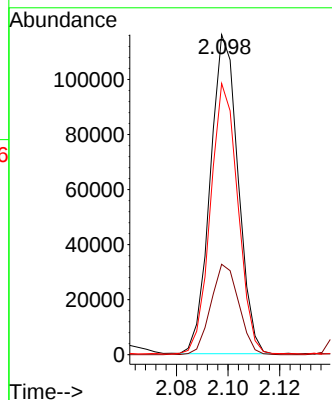
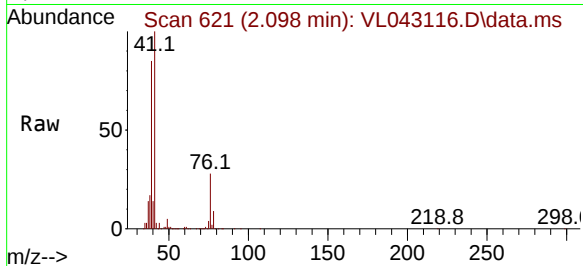




#21
 Allyl Chloride
 Concen: 9.312 ppbv
 RT: 2.098 min Scan# 61
 Delta R.T. -0.000 min
 Lab File: VL043116.D
 Acq: 15 Oct 2025 10:15

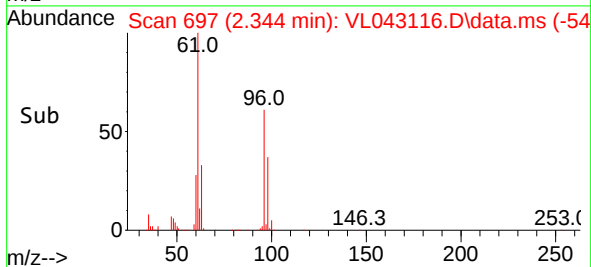
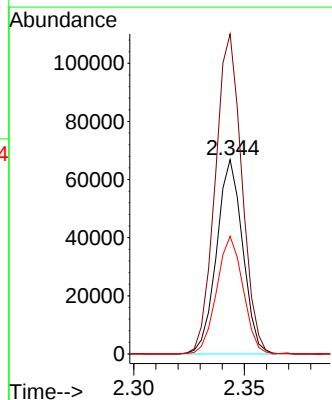
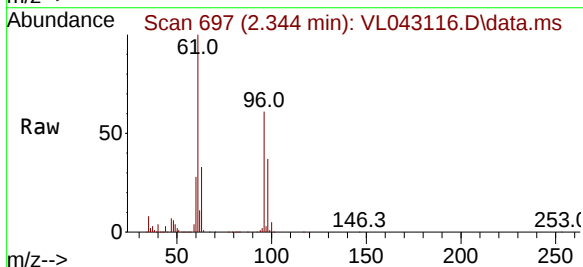
Instrument :
 MSVOA_L
 ClientSampleId :

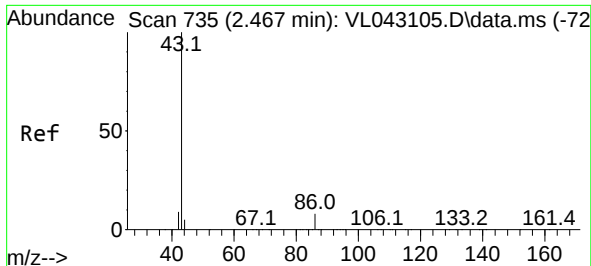
Tgt Ion: 41 Resp: 86785
 Ion Ratio Lower Upper
 41 100
 76 28.5 21.5 32.3
 39 83.7 60.8 91.2



#22
 trans-1,2-Dichloroethene
 Concen: 9.994 ppbv
 RT: 2.344 min Scan# 697
 Delta R.T. -0.000 min
 Lab File: VL043116.D
 Acq: 15 Oct 2025 10:15

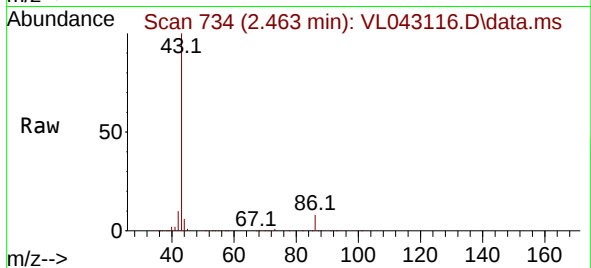
Tgt Ion: 96 Resp: 54715
 Ion Ratio Lower Upper
 96 100
 61 164.5 137.0 205.6
 98 60.5 45.5 68.3



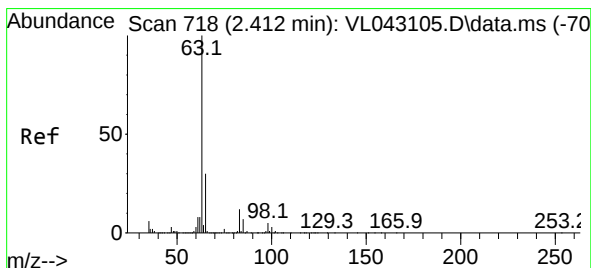
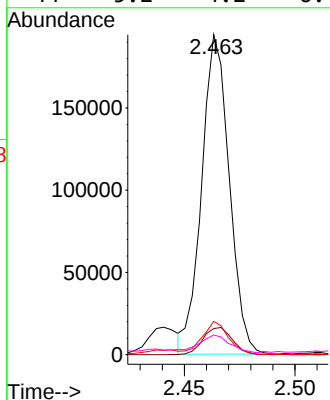
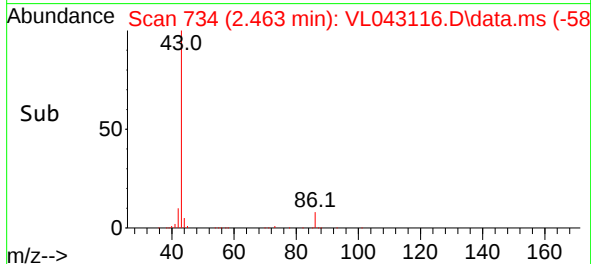


#23
 Vinyl Acetate
 Concen: 9.095 ppbv
 RT: 2.463 min Scan# 718
 Delta R.T. -0.004 min
 Lab File: VL043116.D
 Acq: 15 Oct 2025 10:15

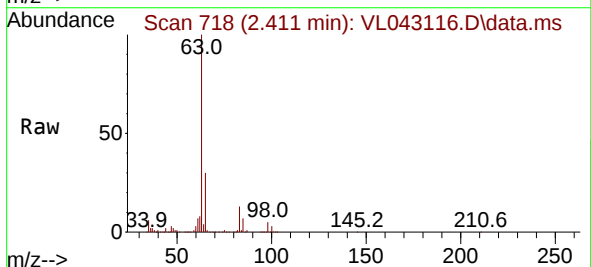
Instrument :
 MSVOA_1
 ClientSampleId :



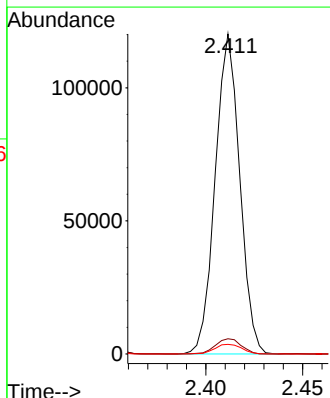
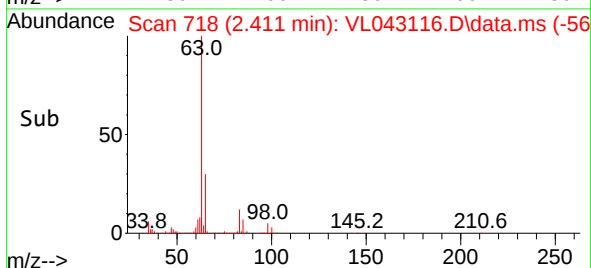
Tgt Ion: 43	Resp: 168496
Ion Ratio	Lower Upper
43 100	
86 8.1	6.2 9.2
42 10.3	7.6 11.4
44 5.2	4.2 6.4

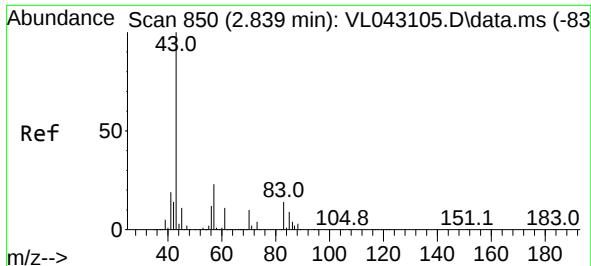


#24
 1,1-Dichloroethane
 Concen: 10.005 ppbv
 RT: 2.411 min Scan# 718
 Delta R.T. -0.000 min
 Lab File: VL043116.D
 Acq: 15 Oct 2025 10:15



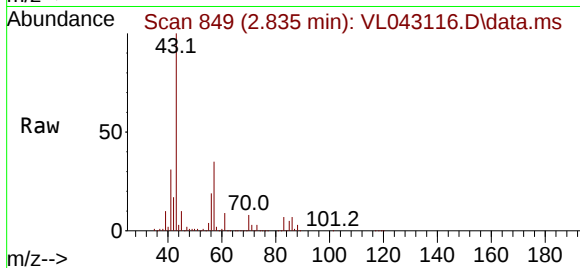
Tgt Ion: 63	Resp: 105823
Ion Ratio	Lower Upper
63 100	
98 4.8	2.6 7.8
100 3.0	1.5 4.4



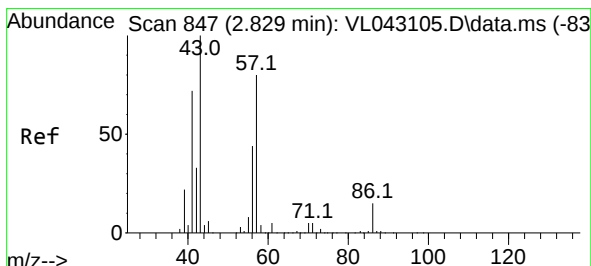
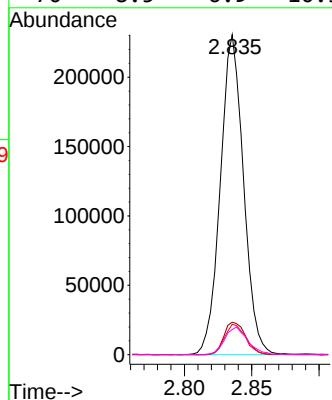
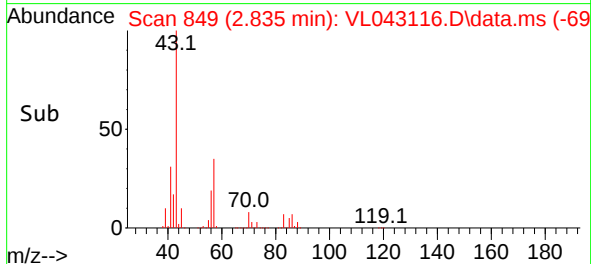


#25
Ethyl Acetate
Concen: 8.790 ppbv
RT: 2.835 min Scan# 849
Delta R.T. -0.003 min
Lab File: VL043116.D
Acq: 15 Oct 2025 10:15

Instrument :
MSVOA_L
ClientSampleId :

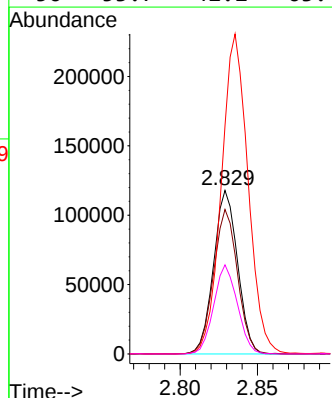
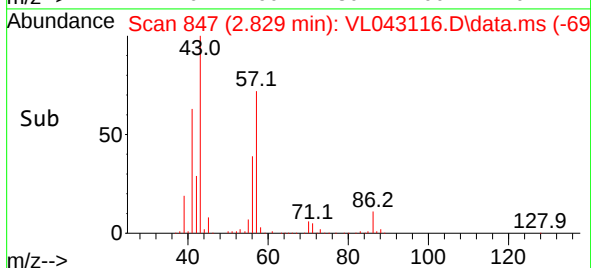
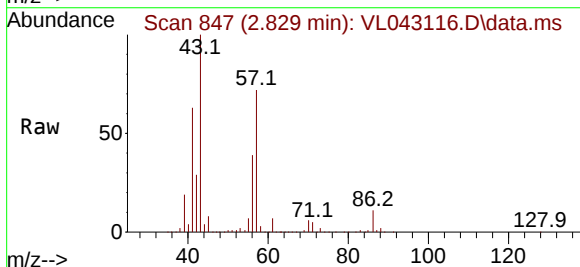


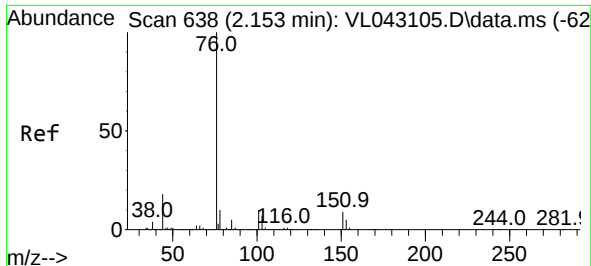
Tgt Ion:	43	Resp:	275684
Ion	Ratio	Lower	Upper
43	100		
45	9.7	7.8	11.8
61	8.7	7.0	10.6
70	8.5	6.9	10.3



#26
Hexane
Concen: 8.776 ppbv
RT: 2.829 min Scan# 847
Delta R.T. -0.000 min
Lab File: VL043116.D
Acq: 15 Oct 2025 10:15

Tgt Ion:	57	Resp:	126834
Ion	Ratio	Lower	Upper
57	100		
41	89.2	71.4	107.0
43	218.1	178.5	267.7
56	53.7	42.2	63.4





#27

Carbon Disulfide

Concen: 10.011 ppbv

RT: 2.153 min Scan# 61

Delta R.T. -0.000 min

Lab File: VL043116.D

Acq: 15 Oct 2025 10:15

Instrument :

MSVOA_L

ClientSampleId :

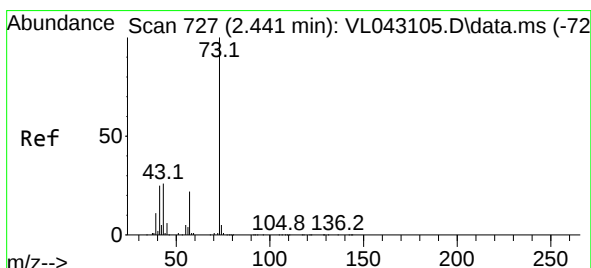
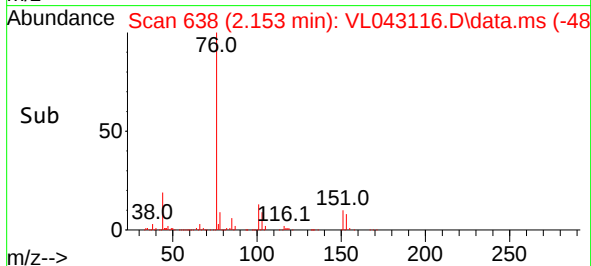
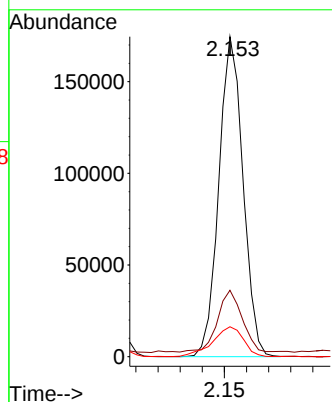
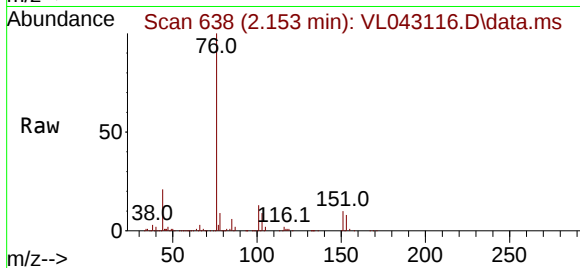
Tgt Ion: 76 Resp: 132560

Ion Ratio Lower Upper

76 100

44 19.8 16.7 25.1

78 12.0 9.3 13.9



#28

Methyl tert-Butyl Ether

Concen: 9.319 ppbv

RT: 2.441 min Scan# 727

Delta R.T. -0.000 min

Lab File: VL043116.D

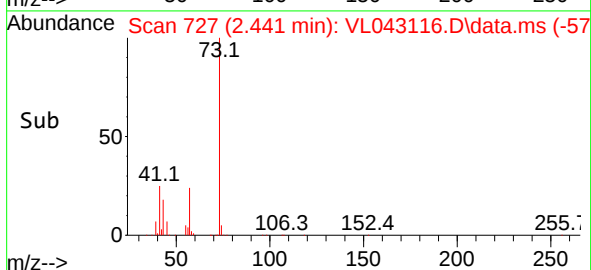
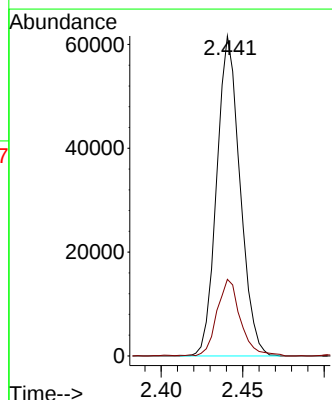
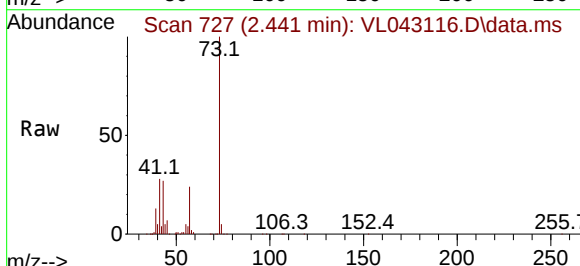
Acq: 15 Oct 2025 10:15

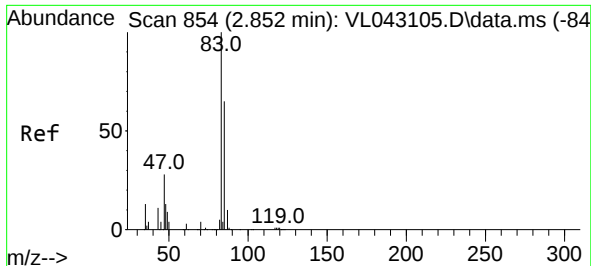
Tgt Ion: 73 Resp: 61275

Ion Ratio Lower Upper

73 100

57 24.3 20.5 30.7





#29

Chloroform

Concen: 9.607 ppbv

RT: 2.852 min Scan# 854

Delta R.T. -0.000 min

Lab File: VL043116.D

Acq: 15 Oct 2025 10:15

Instrument :

MSVOA_L

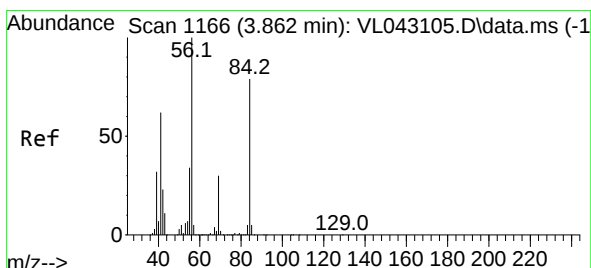
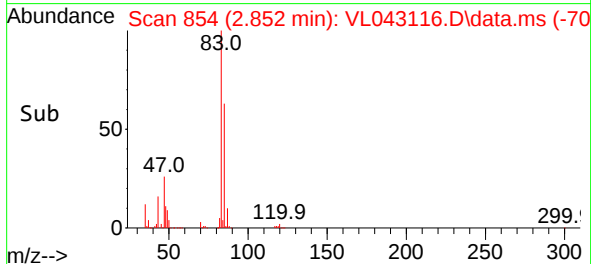
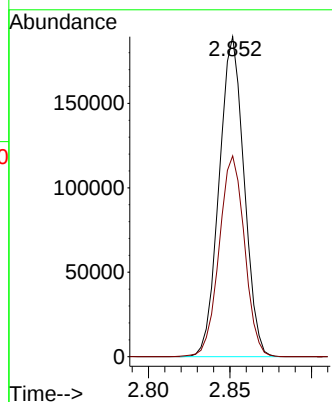
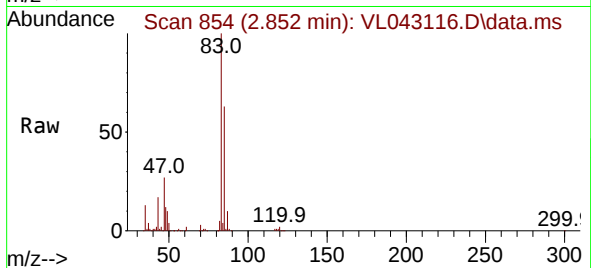
ClientSampleId :

Tgt Ion: 83 Resp: 201183

Ion Ratio Lower Upper

83 100

85 62.7 51.8 77.6



#30

Cyclohexane

Concen: 8.845 ppbv

RT: 3.861 min Scan# 1166

Delta R.T. -0.000 min

Lab File: VL043116.D

Acq: 15 Oct 2025 10:15

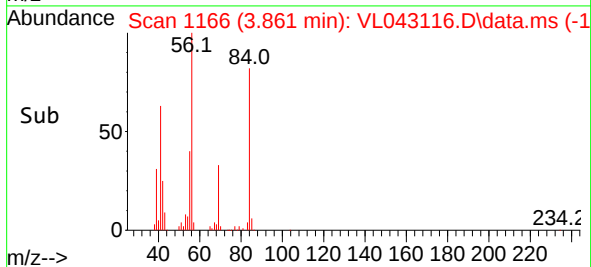
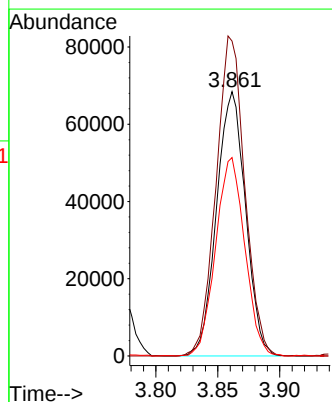
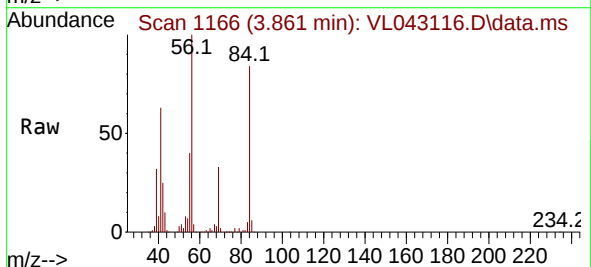
Tgt Ion: 84 Resp: 111570

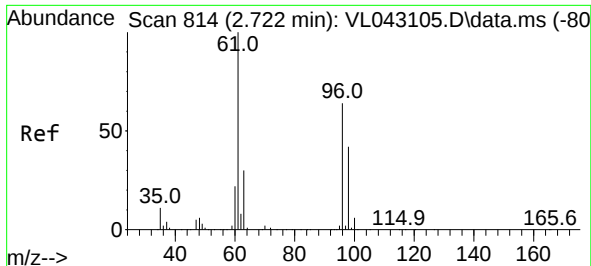
Ion Ratio Lower Upper

84 100

56 119.8 100.9 151.3

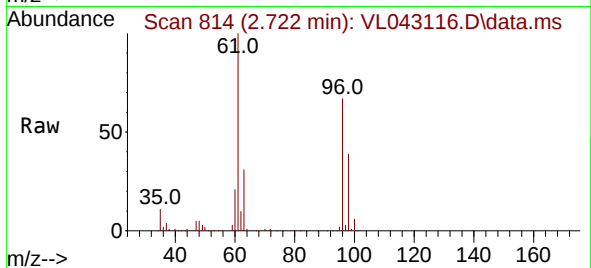
41 75.6 63.8 95.6



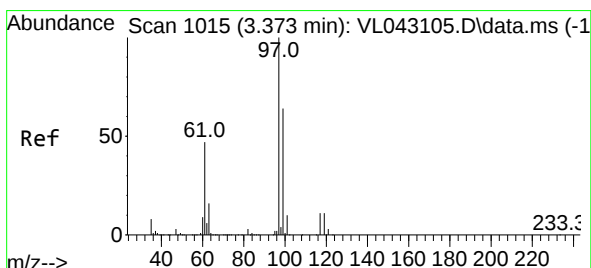
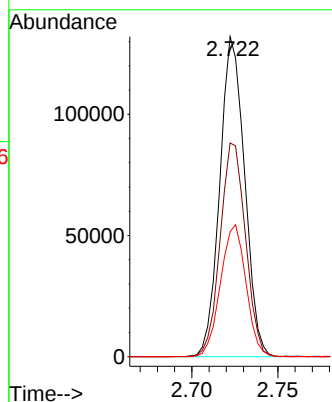
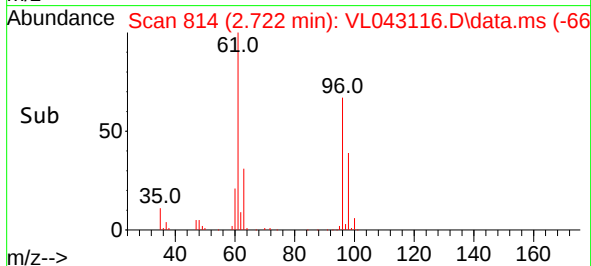


#31
 cis-1,2-Dichloroethene
 Concen: 9.596 ppbv
 RT: 2.722 min Scan# 814
 Delta R.T. -0.000 min
 Lab File: VL043116.D
 Acq: 15 Oct 2025 10:15

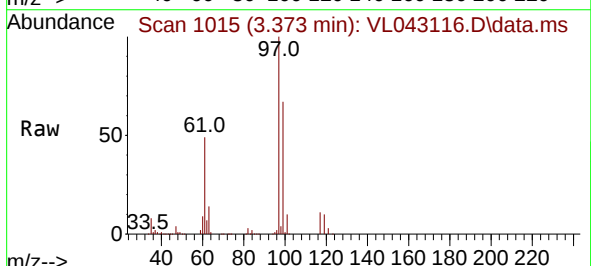
Instrument :
 MSVOA_L
 ClientSampleId :



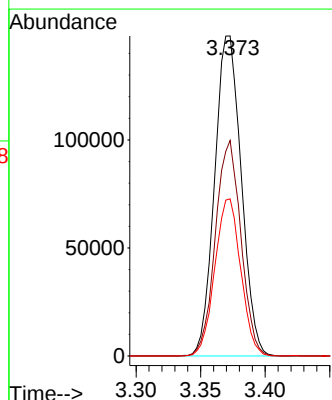
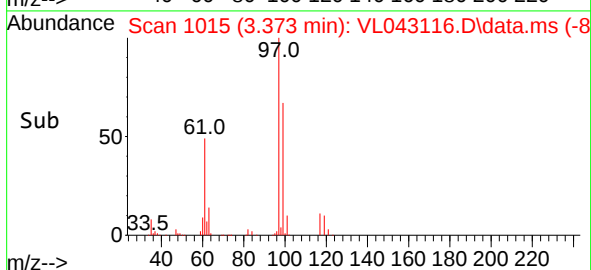
Tgt Ion: 61 Resp: 132435
 Ion Ratio Lower Upper
 61 100
 96 66.7 51.0 76.6
 98 39.1 33.5 50.3

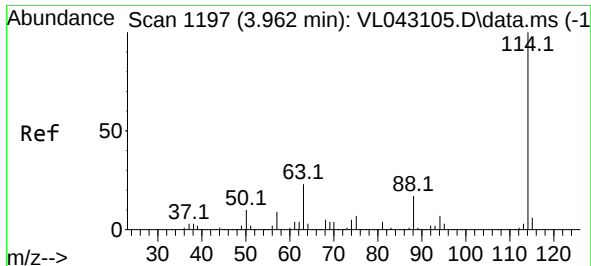


#32
 1,1,1-Trichloroethane
 Concen: 9.741 ppbv
 RT: 3.373 min Scan# 1015
 Delta R.T. -0.000 min
 Lab File: VL043116.D
 Acq: 15 Oct 2025 10:15



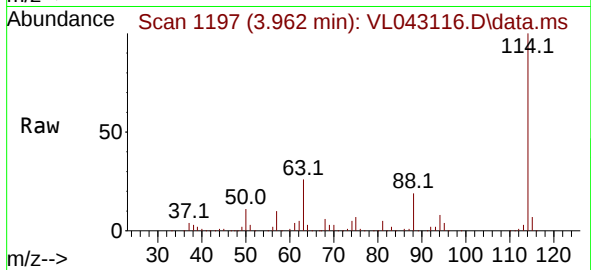
Tgt Ion: 97 Resp: 212419
 Ion Ratio Lower Upper
 97 100
 99 64.5 51.3 76.9
 61 47.8 38.4 57.6



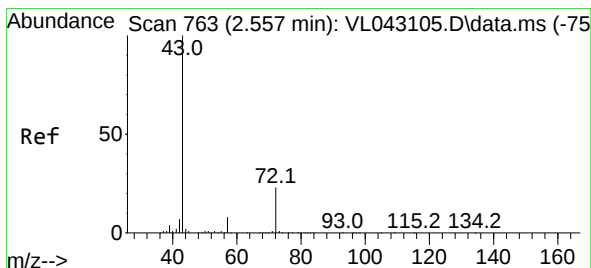
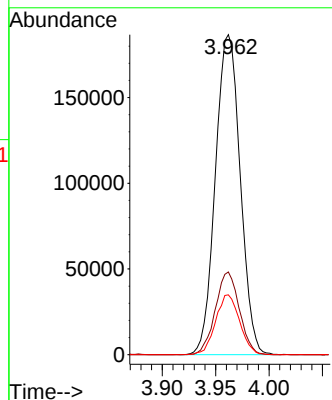
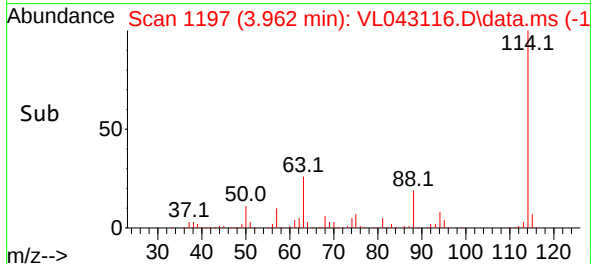


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.962 min Scan# 1197
Delta R.T. -0.000 min
Lab File: VL043116.D
Acq: 15 Oct 2025 10:15

Instrument :
MSVOA_L
ClientSampleId :

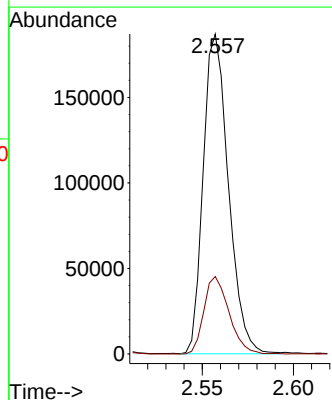
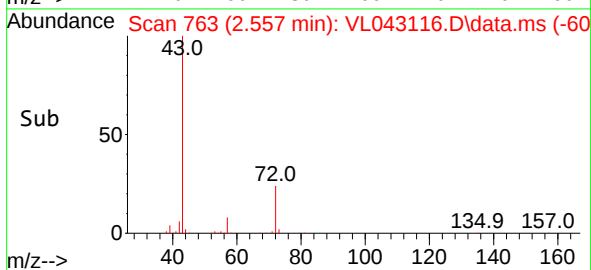
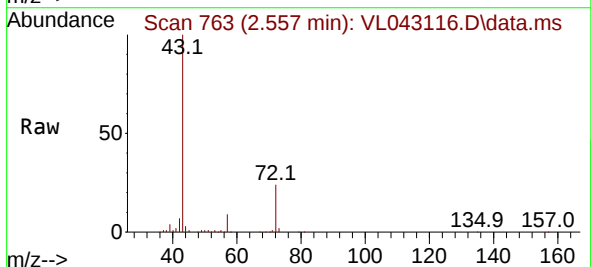


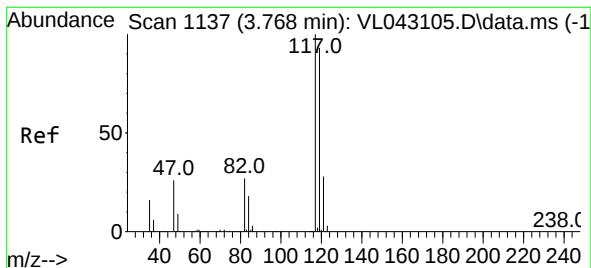
Tgt Ion:114 Resp: 302461
Ion Ratio Lower Upper
114 100
63 25.0 19.3 28.9
88 18.1 13.9 20.9



#34
2-Butanone
Concen: 8.858 ppbv
RT: 2.557 min Scan# 763
Delta R.T. -0.000 min
Lab File: VL043116.D
Acq: 15 Oct 2025 10:15

Tgt Ion: 43 Resp: 180097
Ion Ratio Lower Upper
43 100
72 24.1 18.4 27.6





#35

Carbon Tetrachloride

Concen: 9.739 ppbv

RT: 3.768 min Scan# 1137

Delta R.T. -0.000 min

Lab File: VL043116.D

Acq: 15 Oct 2025 10:15

Instrument :

MSVOA_L

ClientSampleId :

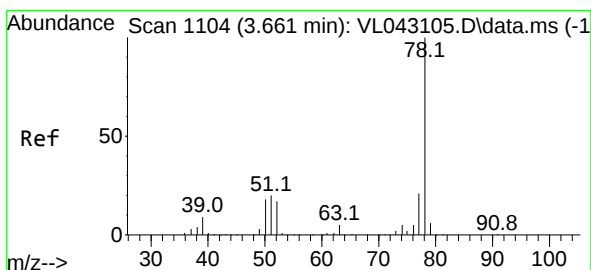
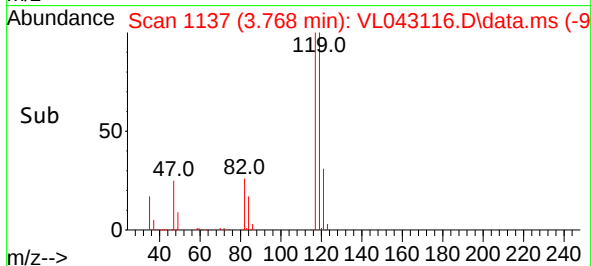
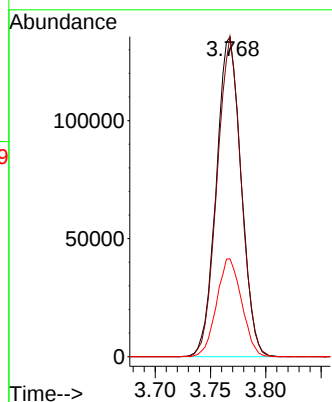
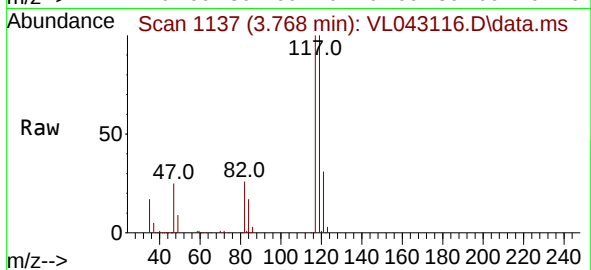
Tgt Ion:117 Resp: 211777

Ion Ratio Lower Upper

117 100

119 100.1 74.1 111.1

121 30.6 22.2 33.2



#36

Benzene

Concen: 9.354 ppbv

RT: 3.658 min Scan# 1103

Delta R.T. -0.003 min

Lab File: VL043116.D

Acq: 15 Oct 2025 10:15

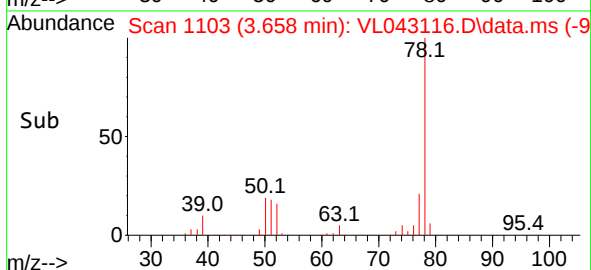
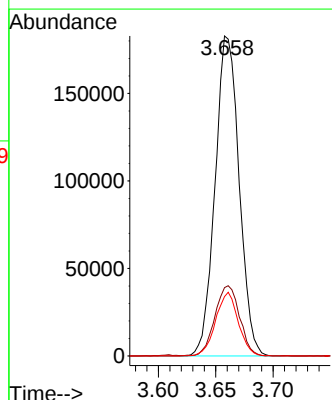
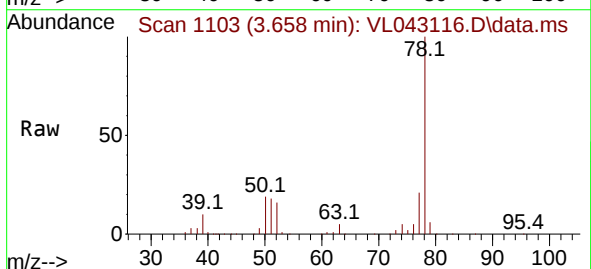
Tgt Ion: 78 Resp: 266465

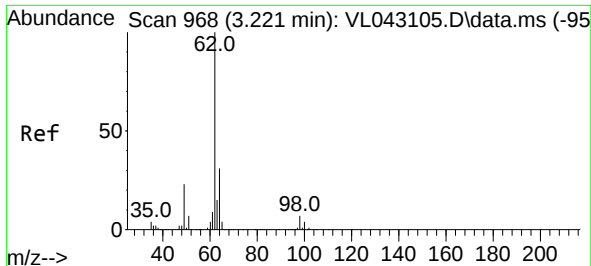
Ion Ratio Lower Upper

78 100

77 21.3 17.0 25.6

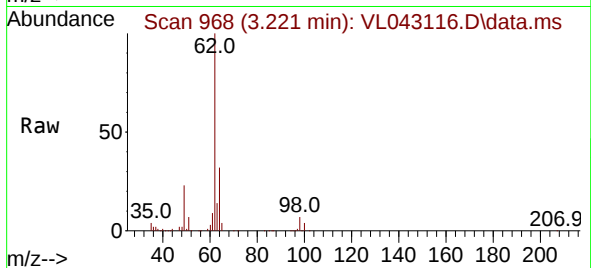
50 18.6 14.6 22.0



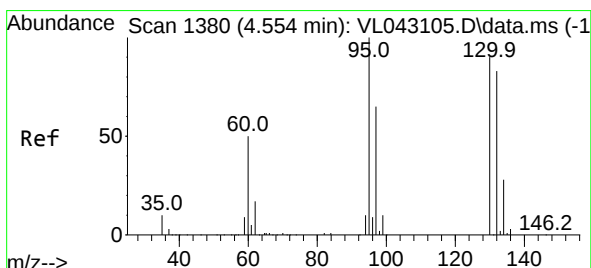
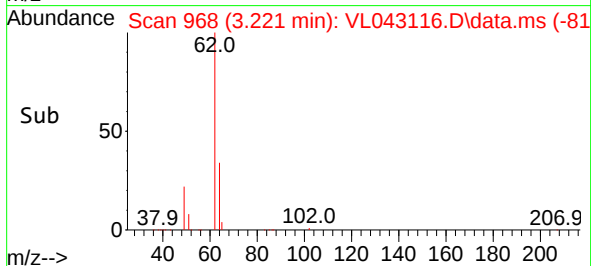
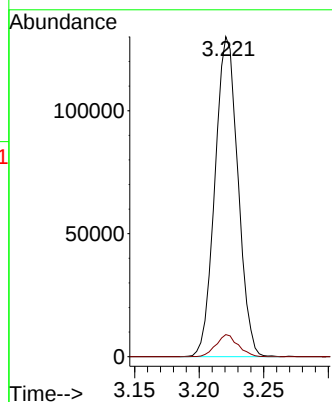


#37
1,2-Dichloroethane
Concen: 9.808 ppbv
RT: 3.221 min Scan# 91
Delta R.T. -0.000 min
Lab File: VL043116.D
Acq: 15 Oct 2025 10:15

Instrument :
MSVOA_L
ClientSampleId :

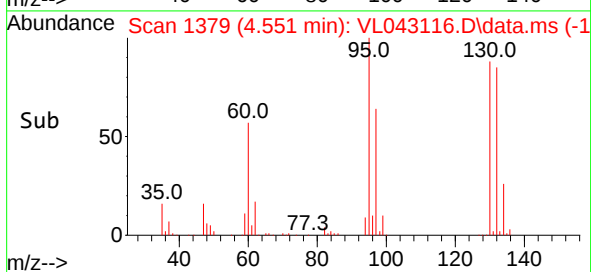
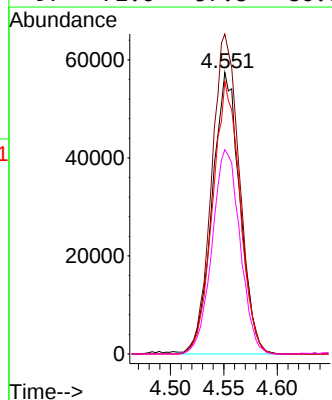
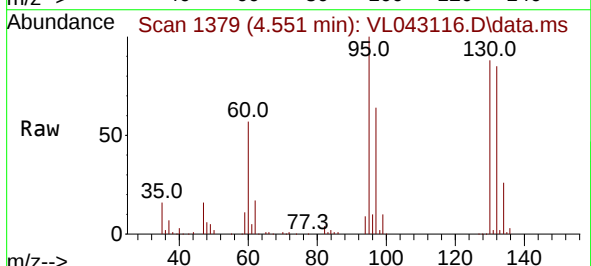


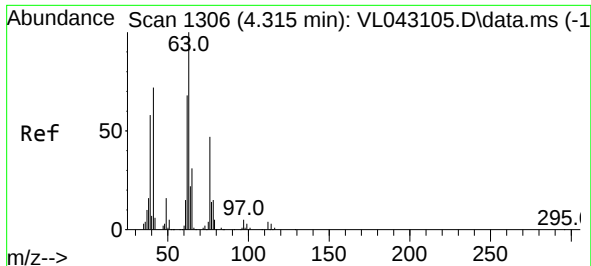
Tgt Ion: 62 Resp: 160950
Ion Ratio Lower Upper
62 100
98 6.6 5.8 8.6



#38
Trichloroethene
Concen: 8.665 ppbv
RT: 4.551 min Scan# 1379
Delta R.T. -0.003 min
Lab File: VL043116.D
Acq: 15 Oct 2025 10:15

Tgt Ion:130 Resp: 103087
Ion Ratio Lower Upper
130 100
95 113.7 88.6 133.0
132 96.9 73.4 110.0
97 72.6 57.8 86.6





#39

1,2-Dichloropropane

Concen: 8.890 ppbv

RT: 4.315 min Scan# 1306

Delta R.T. -0.000 min

Lab File: VL043116.D

Acq: 15 Oct 2025 10:15

Instrument :

MSVOA_L

ClientSampleId :

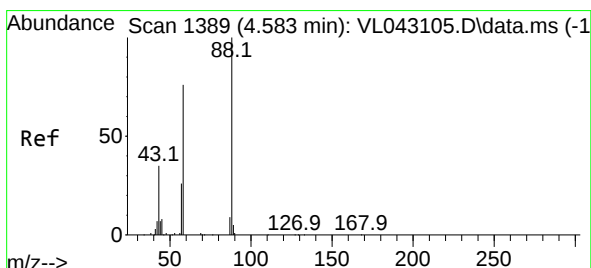
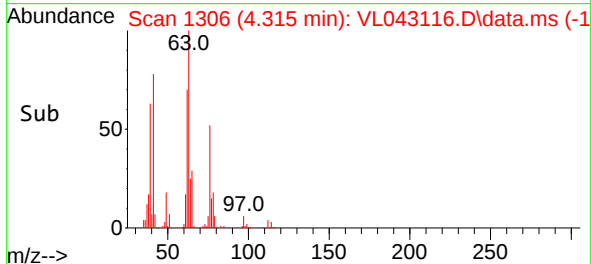
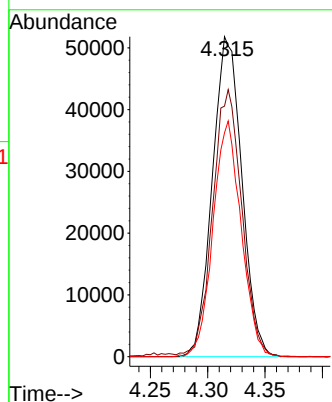
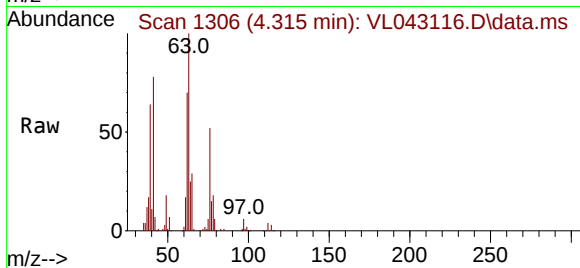
Tgt Ion: 63 Resp: 92588

Ion Ratio Lower Upper

63 100

41 78.1 58.0 87.0

62 69.8 54.7 82.1



#40

1,4-Dioxane

Concen: 9.263 ppbv

RT: 4.583 min Scan# 1389

Delta R.T. -0.000 min

Lab File: VL043116.D

Acq: 15 Oct 2025 10:15

Tgt Ion: 88 Resp: 43167

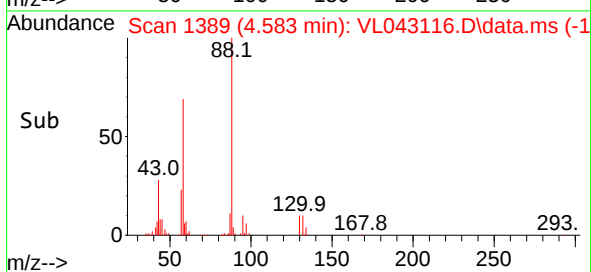
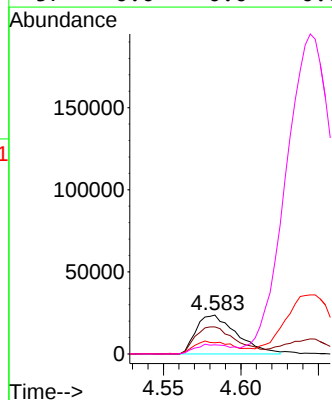
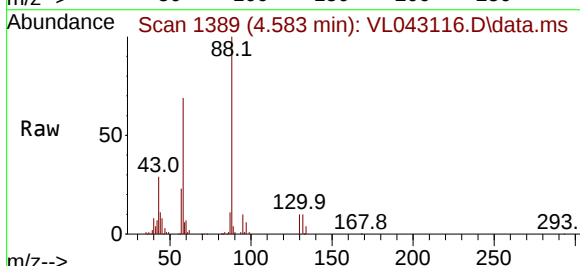
Ion Ratio Lower Upper

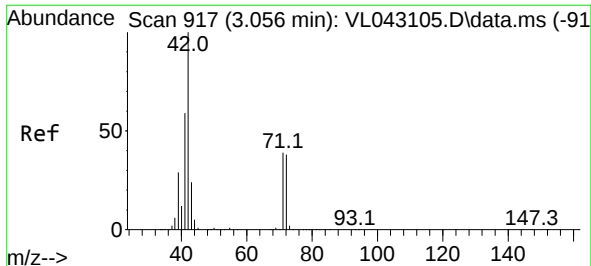
88 100

58 71.8 61.1 91.7

43 34.4 24.0 36.0

57 0.0 0.0 0.0

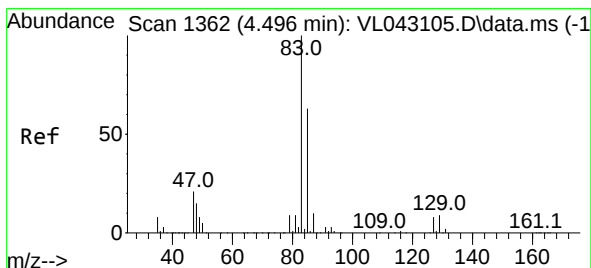
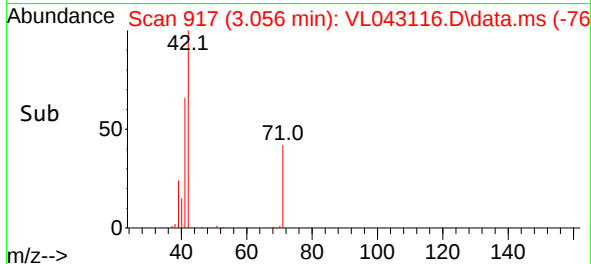
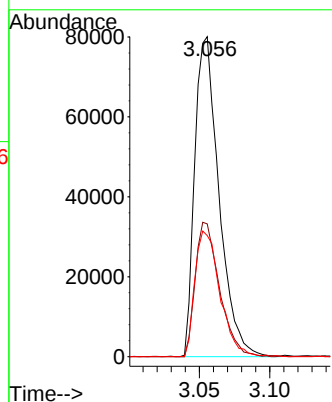
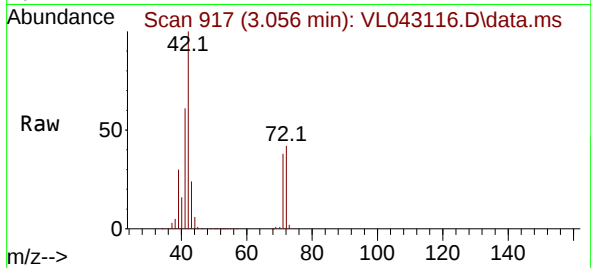




#41
Tetrahydrofuran
Concen: 8.435 ppbv
RT: 3.056 min Scan# 917
Delta R.T. -0.000 min
Lab File: VL043116.D
Acq: 15 Oct 2025 10:15

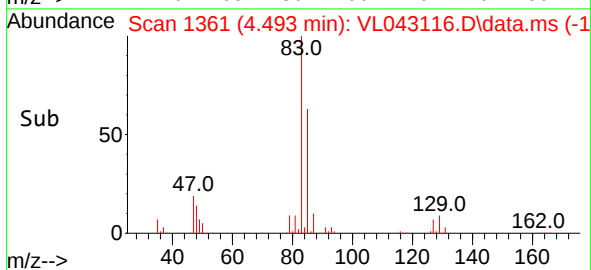
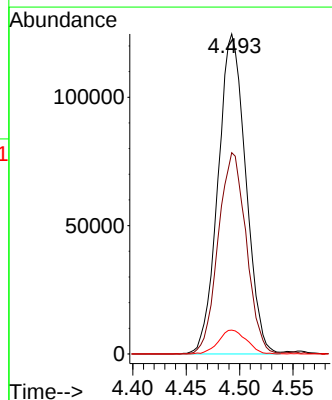
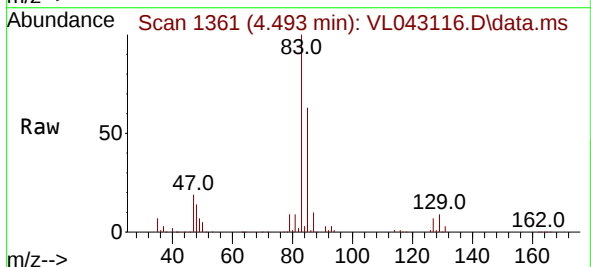
Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 42 Resp: 95919
Ion Ratio Lower Upper
42 100
72 42.0 31.3 46.9
71 40.6 30.4 45.6



#42
Bromodichloromethane
Concen: 9.904 ppbv
RT: 4.493 min Scan# 1361
Delta R.T. -0.003 min
Lab File: VL043116.D
Acq: 15 Oct 2025 10:15

Tgt Ion: 83 Resp: 224949
Ion Ratio Lower Upper
83 100
85 62.9 50.6 75.8
127 7.4 6.3 9.5

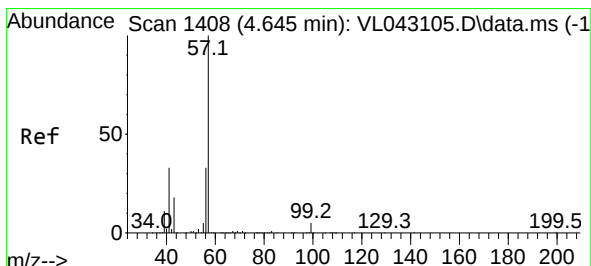
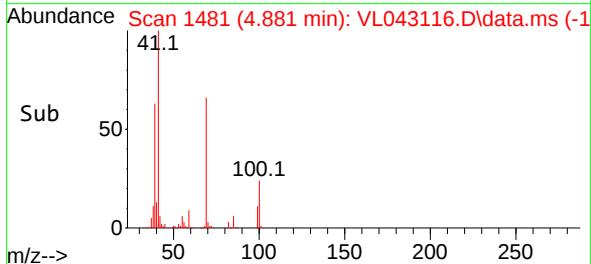
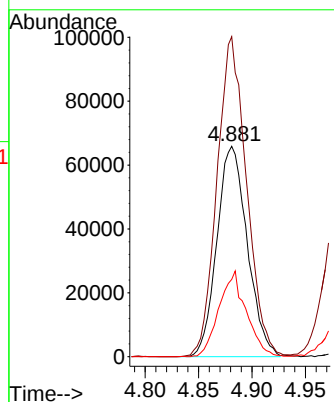
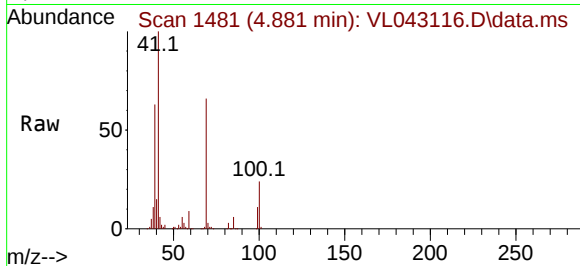




#43
Methyl Methacrylate
Concen: 9.011 ppbv
RT: 4.881 min Scan# 1481
Delta R.T. -0.000 min
Lab File: VL043116.D
Acq: 15 Oct 2025 10:15

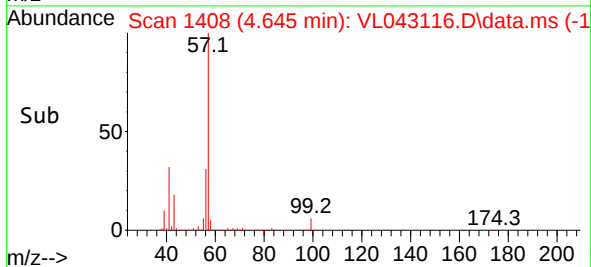
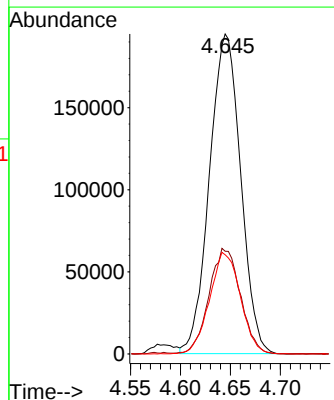
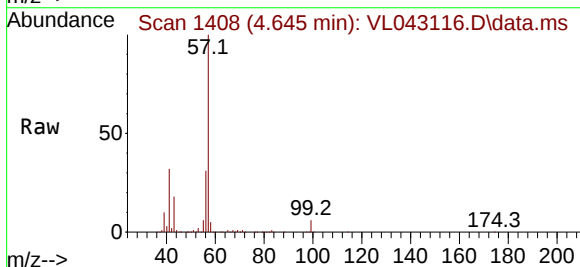
Instrument :
MSVOA_L
ClientSampleId :

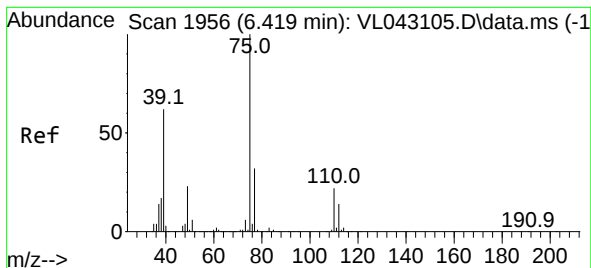
Tgt Ion: 69 Resp: 130372
Ion Ratio Lower Upper
69 100
41 147.8 120.5 180.7
100 36.5 29.0 43.4



#44
2,2,4-Trimethylpentane
Concen: 8.802 ppbv
RT: 4.645 min Scan# 1408
Delta R.T. -0.000 min
Lab File: VL043116.D
Acq: 15 Oct 2025 10:15

Tgt Ion: 57 Resp: 423028
Ion Ratio Lower Upper
57 100
41 33.5 26.3 39.5
56 31.5 25.9 38.9





#45

t-1,3-Dichloropropene

Concen: 9.413 ppbv

RT: 6.418 min Scan# 1956

Delta R.T. -0.000 min

Lab File: VL043116.D

Acq: 15 Oct 2025 10:15

Instrument :

MSVOA_L

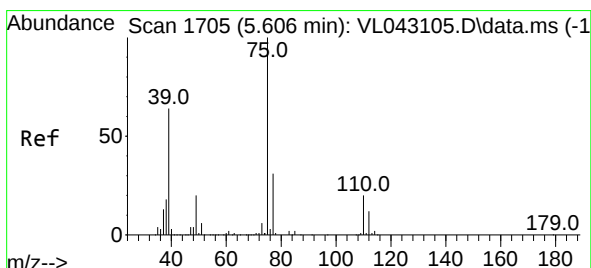
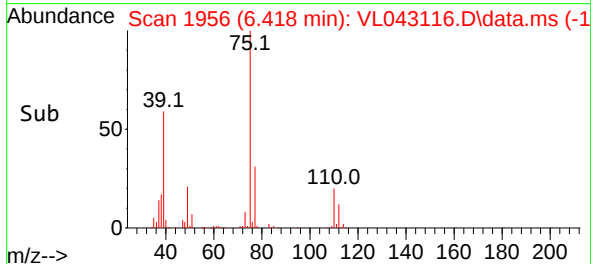
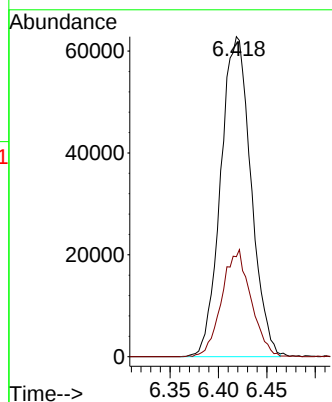
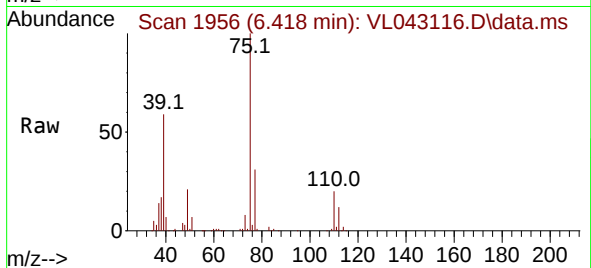
ClientSampleId :

Tgt Ion: 75 Resp: 136672

Ion Ratio Lower Upper

75 100

77 31.2 25.4 38.2



#46

cis-1,3-Dichloropropene

Concen: 9.296 ppbv

RT: 5.603 min Scan# 1704

Delta R.T. -0.003 min

Lab File: VL043116.D

Acq: 15 Oct 2025 10:15

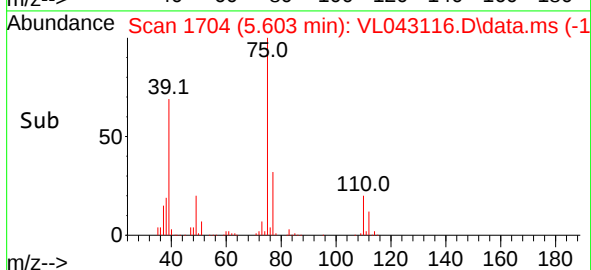
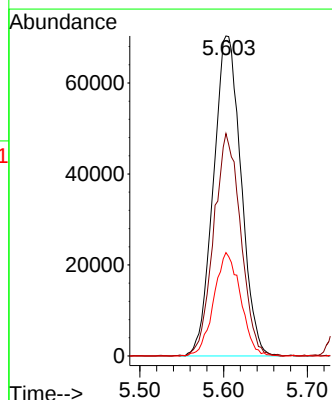
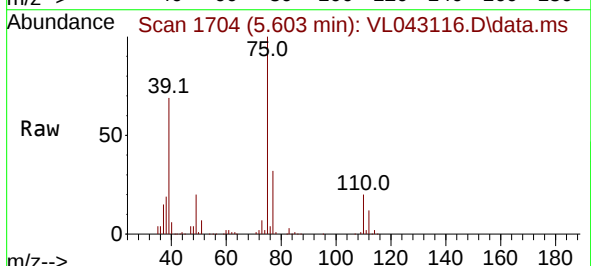
Tgt Ion: 75 Resp: 161245

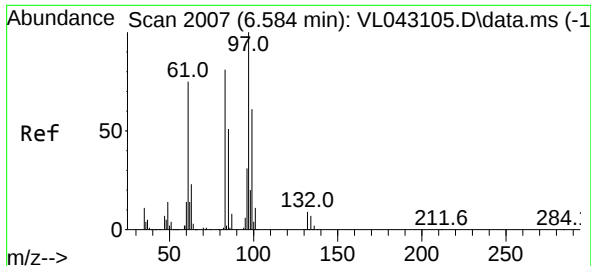
Ion Ratio Lower Upper

75 100

39 69.2 51.0 76.6

77 32.3 25.0 37.4





#47

1,1,2-Trichloroethane

Concen: 9.146 ppbv

RT: 6.583 min Scan# 2007

Delta R.T. -0.000 min

Lab File: VL043116.D

Acq: 15 Oct 2025 10:15

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 97 Resp: 102863

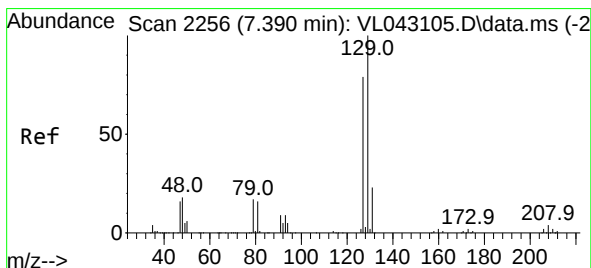
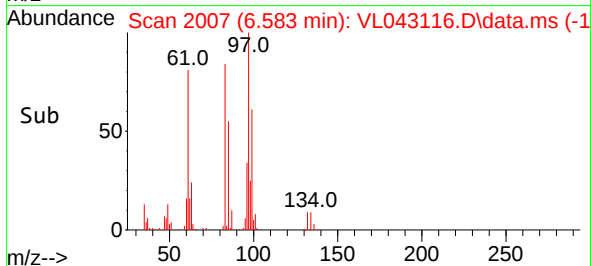
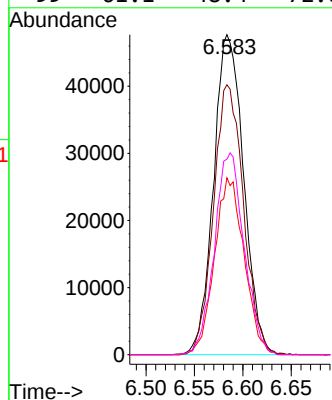
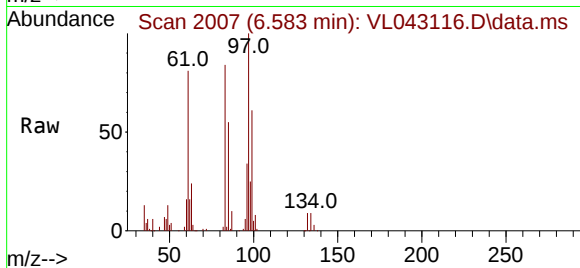
Ion Ratio Lower Upper

97 100

83 84.1 64.6 96.8

85 55.3 40.6 60.8

99 61.1 48.4 72.6



#48

Dibromochloromethane

Concen: 9.626 ppbv

RT: 7.389 min Scan# 2256

Delta R.T. -0.000 min

Lab File: VL043116.D

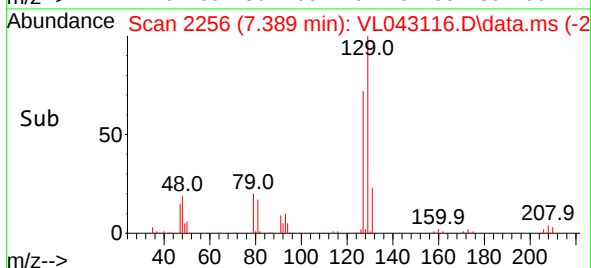
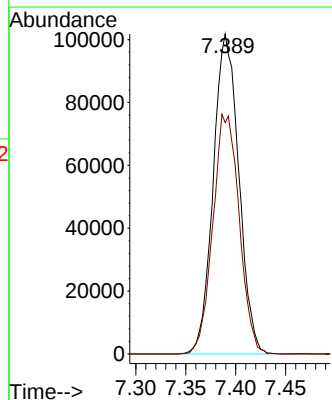
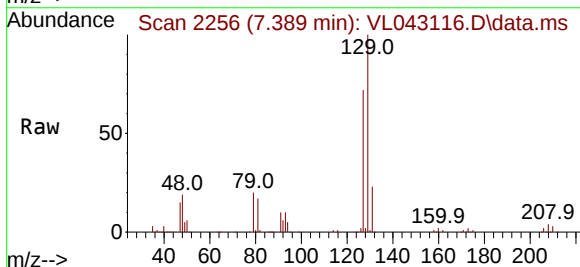
Acq: 15 Oct 2025 10:15

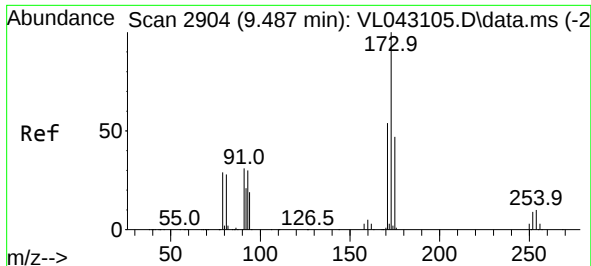
Tgt Ion:129 Resp: 180998

Ion Ratio Lower Upper

129 100

127 77.3 39.3 117.9

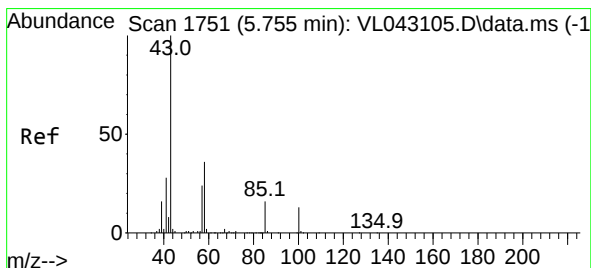
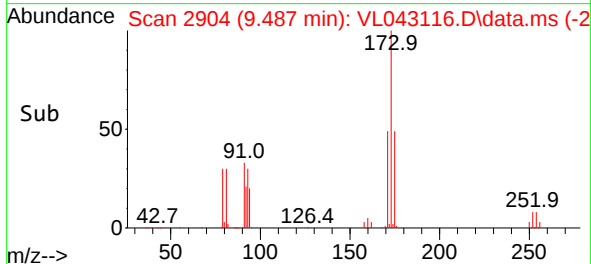
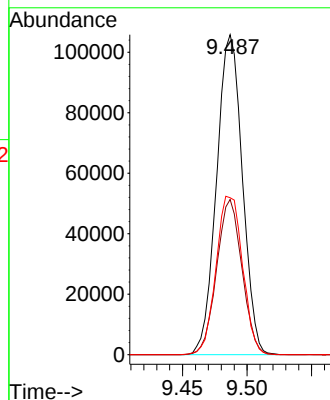
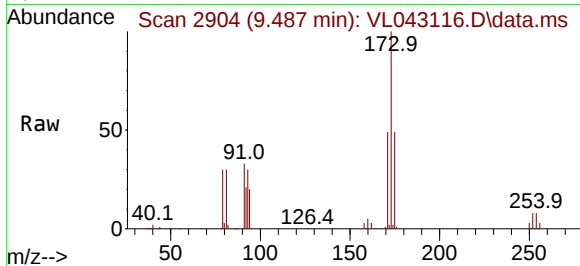




#49
Bromoform
Concen: 9.615 ppbv
RT: 9.487 min Scan# 2904
Delta R.T. -0.000 min
Lab File: VL043116.D
Acq: 15 Oct 2025 10:15

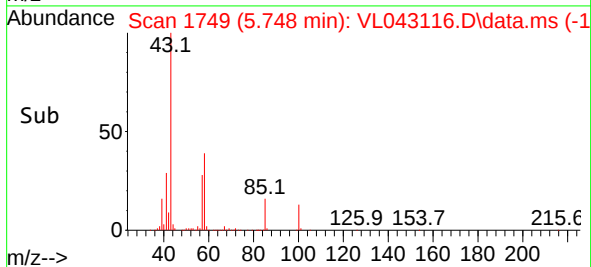
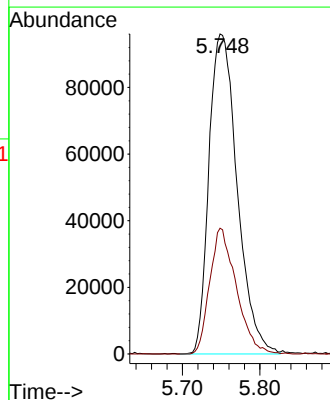
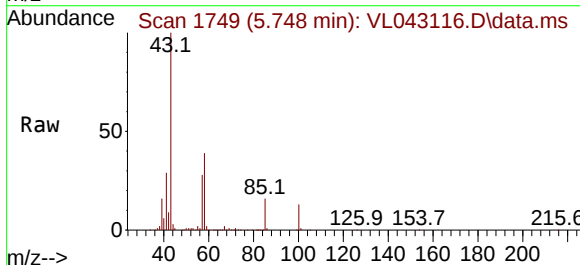
Instrument :
MSVOA_L
ClientSampleId :

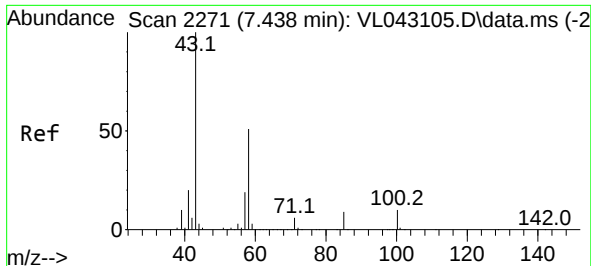
Tgt Ion:173 Resp: 146957
Ion Ratio Lower Upper
173 100
175 47.6 38.8 58.2
171 51.0 41.7 62.5



#50
4-Methyl-2-Pentanone
Concen: 8.680 ppbv
RT: 5.748 min Scan# 1749
Delta R.T. -0.007 min
Lab File: VL043116.D
Acq: 15 Oct 2025 10:15

Tgt Ion: 43 Resp: 243541
Ion Ratio Lower Upper
43 100
58 36.9 29.1 43.7

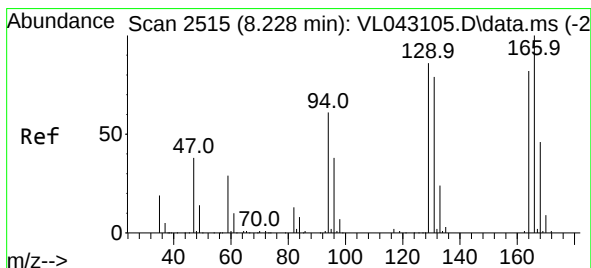
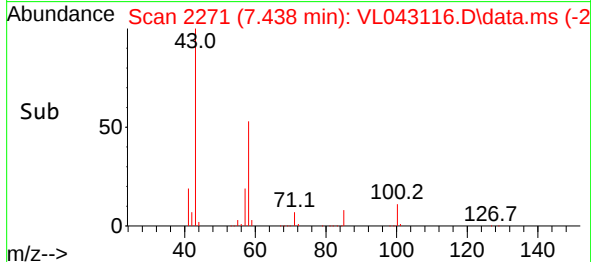
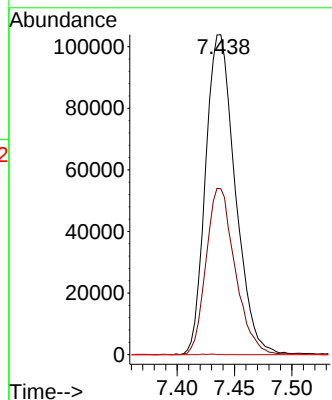
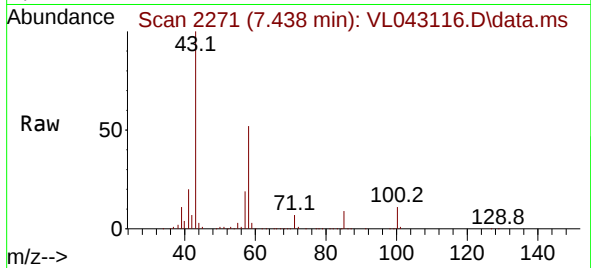




#51
2-Hexanone
Concen: 8.851 ppbv
RT: 7.438 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL043116.D
Acq: 15 Oct 2025 10:15

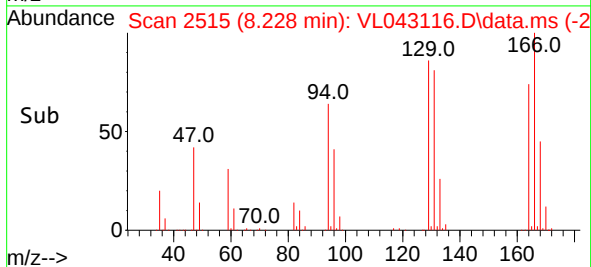
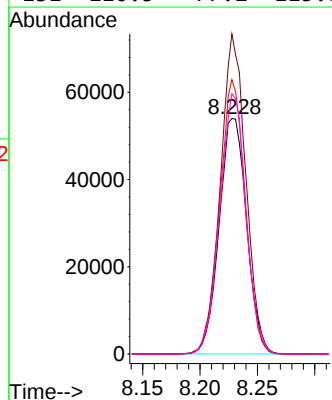
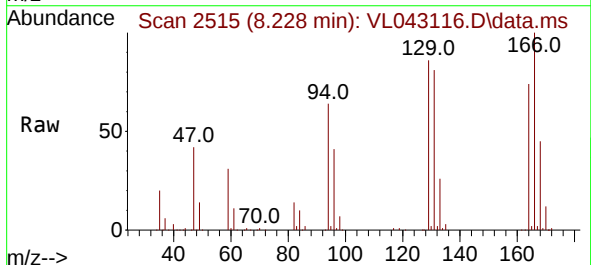
Instrument :
MSVOA_L
ClientSampleId :

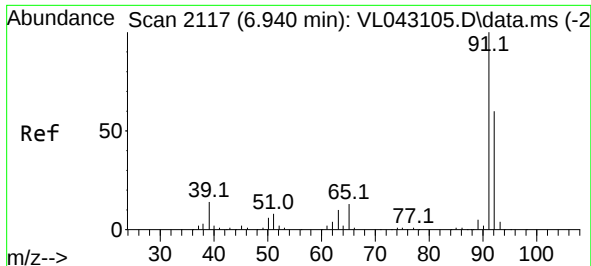
Tgt Ion: 43 Resp: 186283
Ion Ratio Lower Upper
43 100
58 51.2 40.4 60.6
98 0.1 0.1 0.1



#52
Tetrachloroethene
Concen: 8.704 ppbv
RT: 8.228 min Scan# 2515
Delta R.T. -0.000 min
Lab File: VL043116.D
Acq: 15 Oct 2025 10:15

Tgt Ion:164 Resp: 89410
Ion Ratio Lower Upper
164 100
166 135.9 97.6 146.4
129 116.5 84.5 126.7
131 110.5 77.2 115.8

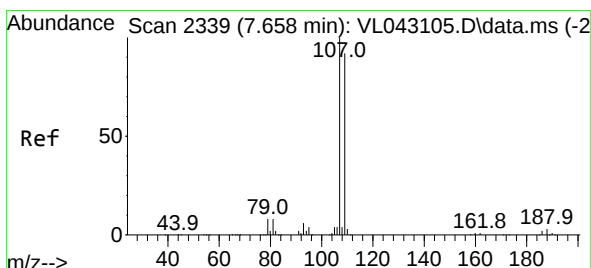
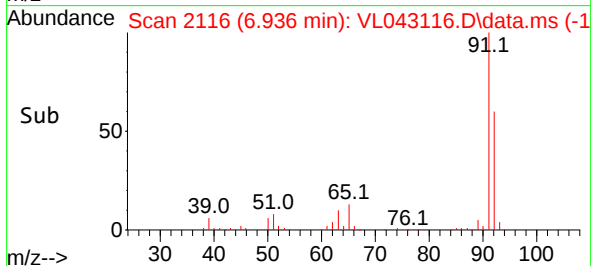
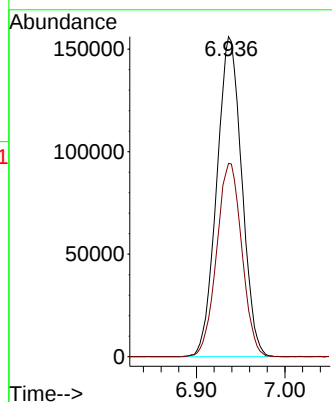
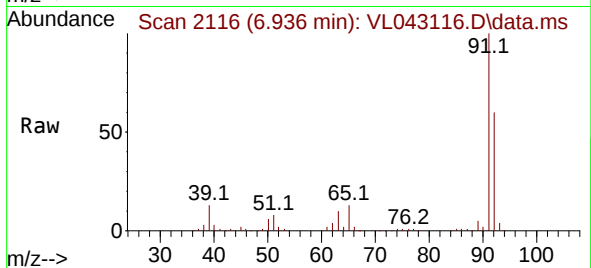




#53
Toluene
Concen: 9.072 ppbv
RT: 6.936 min Scan# 2117
Delta R.T. -0.004 min
Lab File: VL043116.D
Acq: 15 Oct 2025 10:15

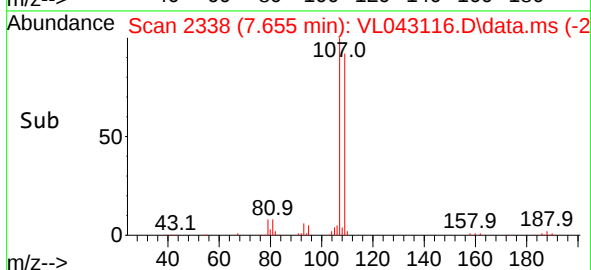
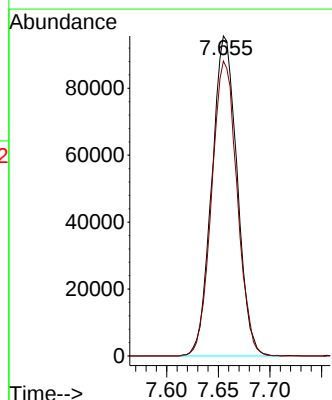
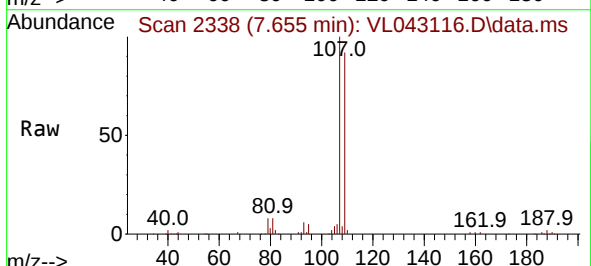
Instrument :
MSVOA_L
ClientSampleId :

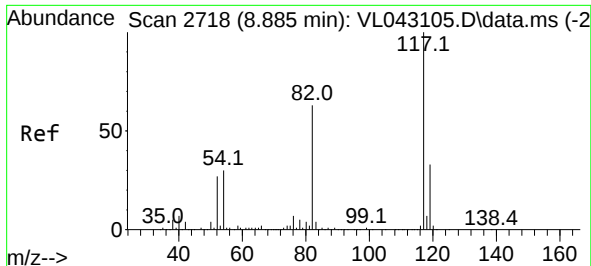
Tgt Ion: 91 Resp: 306729
Ion Ratio Lower Upper
91 100
92 60.8 48.8 73.2



#54
1,2-Dibromoethane
Concen: 9.226 ppbv
RT: 7.655 min Scan# 2338
Delta R.T. -0.003 min
Lab File: VL043116.D
Acq: 15 Oct 2025 10:15

Tgt Ion: 107 Resp: 162517
Ion Ratio Lower Upper
107 100
109 92.1 73.4 110.2

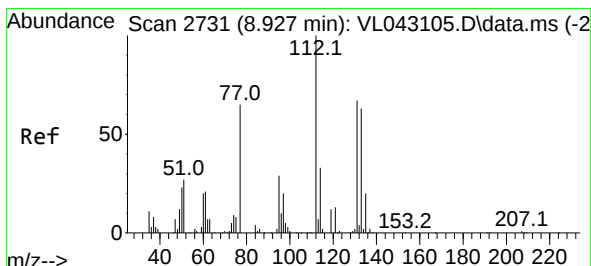
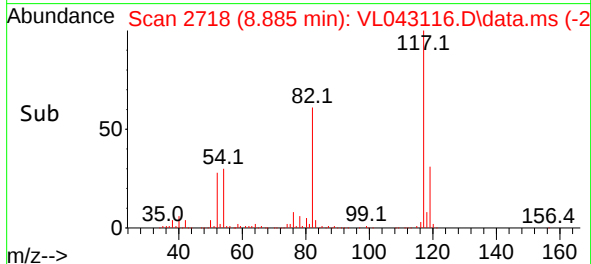
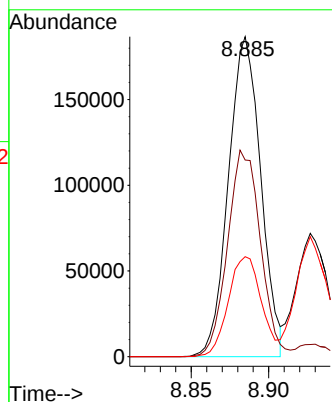
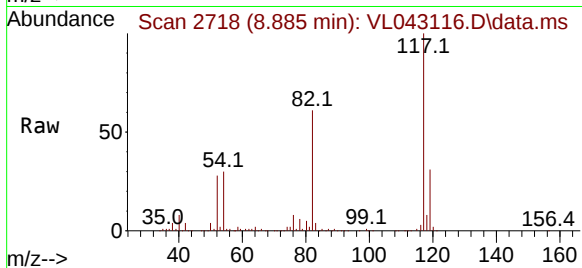




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min Scan# 2718
Delta R.T. -0.000 min
Lab File: VL043116.D
Acq: 15 Oct 2025 10:15

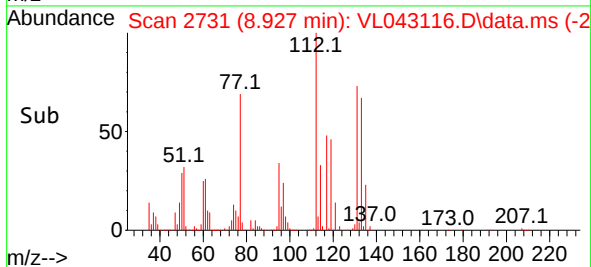
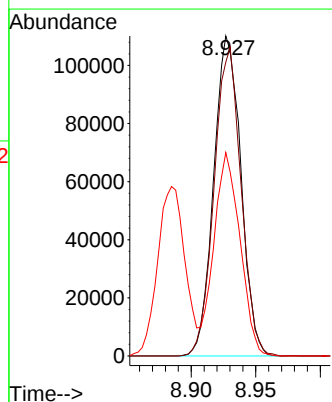
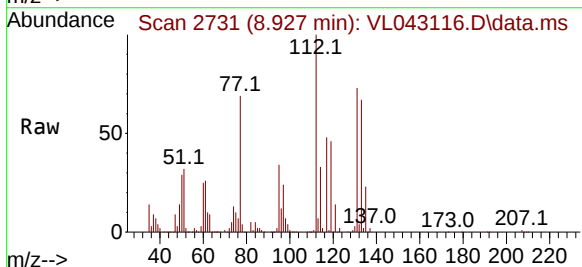
Instrument :
MSVOA_L
ClientSampleId :

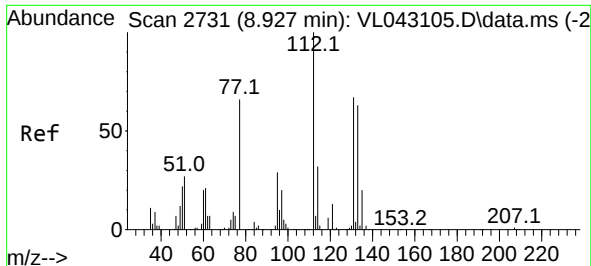
Tgt Ion:117 Resp: 271209
Ion Ratio Lower Upper
117 100
82 69.5 53.8 80.8
119 32.4 25.4 38.0



#56
1,1,1,2-Tetrachloroethane
Concen: 9.419 ppbv
RT: 8.927 min Scan# 2731
Delta R.T. -0.000 min
Lab File: VL043116.D
Acq: 15 Oct 2025 10:15

Tgt Ion:131 Resp: 161028
Ion Ratio Lower Upper
131 100
133 95.7 75.7 113.5
119 61.8 50.6 76.0

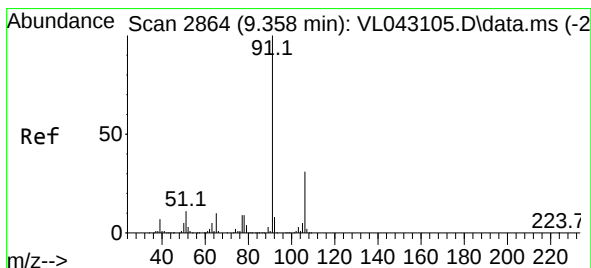
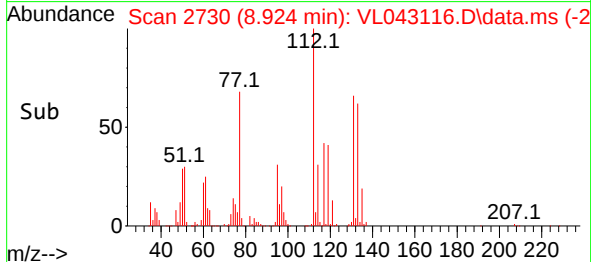
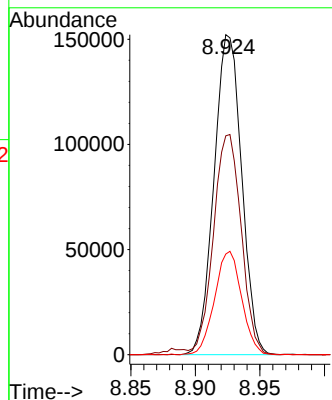
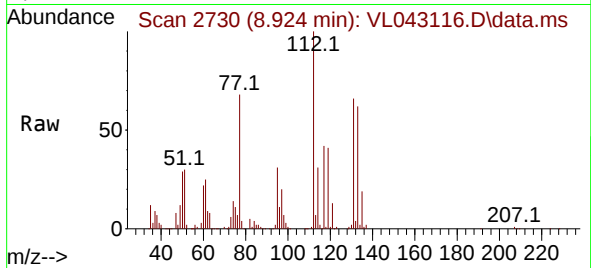




#57
Chlorobenzene
Concen: 8.946 ppbv
RT: 8.924 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL043116.D
Acq: 15 Oct 2025 10:15

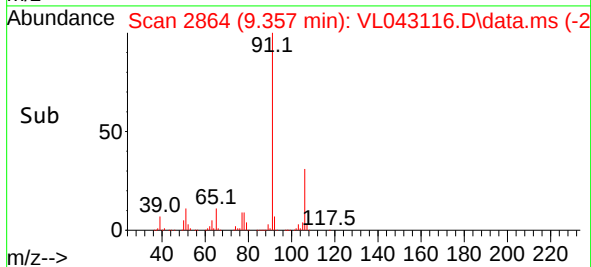
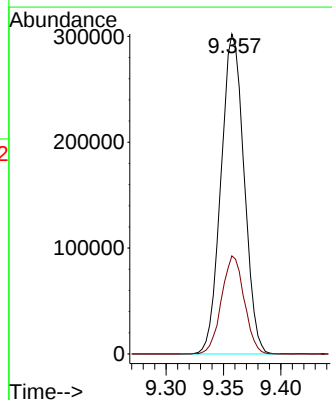
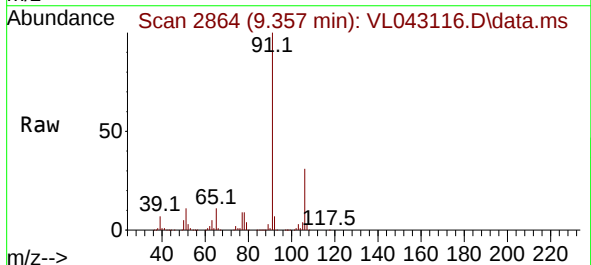
Instrument :
MSVOA_L
ClientSampleId :

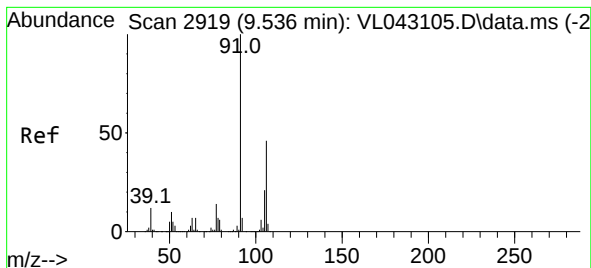
Tgt Ion:112 Resp: 226970
Ion Ratio Lower Upper
112 100
77 68.3 53.3 79.9
114 31.5 29.3 35.8



#58
Ethyl Benzene
Concen: 9.083 ppbv
RT: 9.357 min Scan# 2864
Delta R.T. -0.000 min
Lab File: VL043116.D
Acq: 15 Oct 2025 10:15

Tgt Ion: 91 Resp: 422762
Ion Ratio Lower Upper
91 100
106 30.7 24.8 37.2

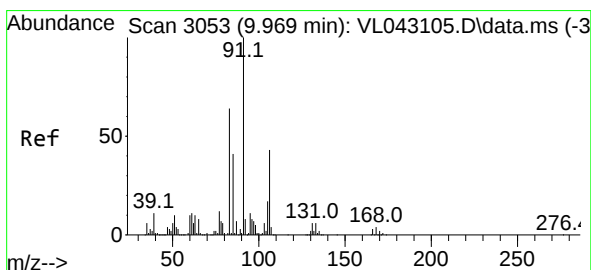
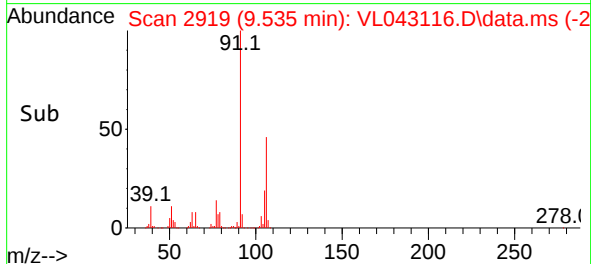
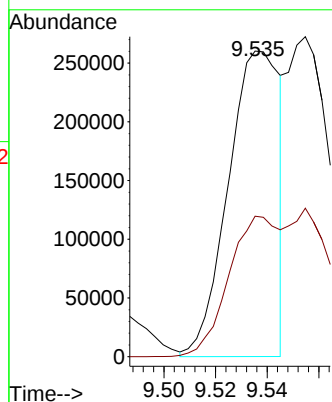
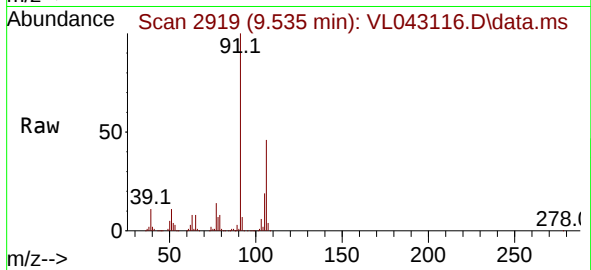




#59
m/p-Xylene
Concen: 9.700 ppbv
RT: 9.535 min Scan# 2919
Delta R.T. -0.000 min
Lab File: VL043116.D
Acq: 15 Oct 2025 10:15

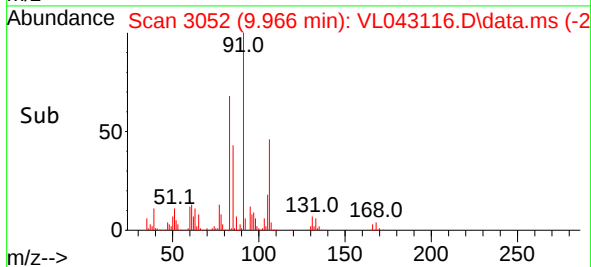
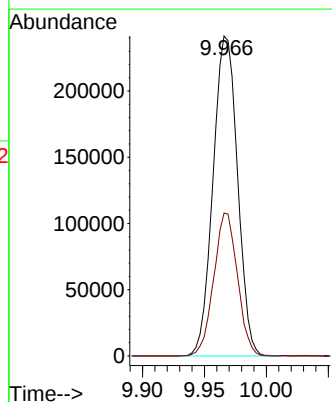
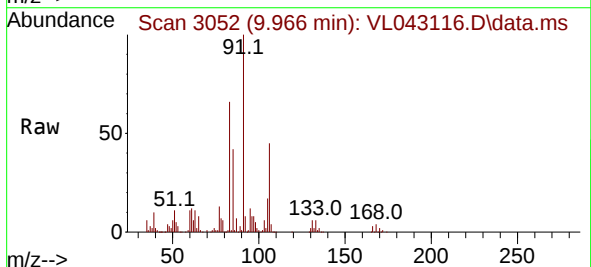
Instrument :
MSVOA_L
ClientSampleId :

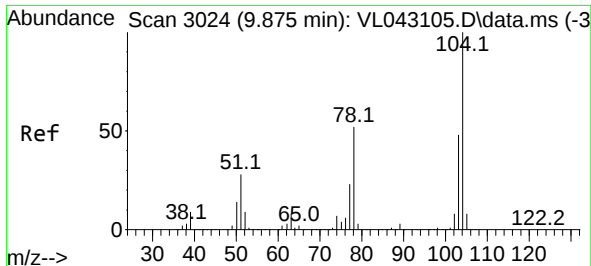
Tgt Ion: 91 Resp: 360106
Ion Ratio Lower Upper
91 100
106 0.0 38.0 57.0#



#60
o-Xylene
Concen: 9.071 ppbv
RT: 9.966 min Scan# 3052
Delta R.T. -0.003 min
Lab File: VL043116.D
Acq: 15 Oct 2025 10:15

Tgt Ion: 91 Resp: 332591
Ion Ratio Lower Upper
91 100
106 43.2 21.9 65.8

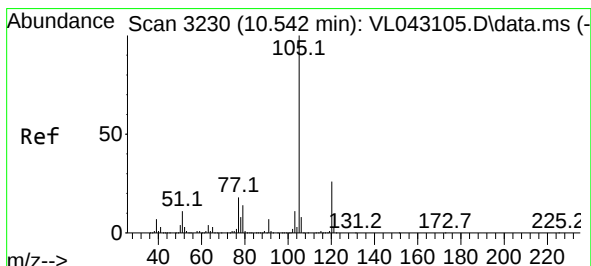
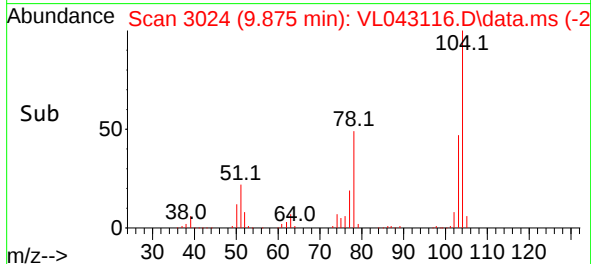
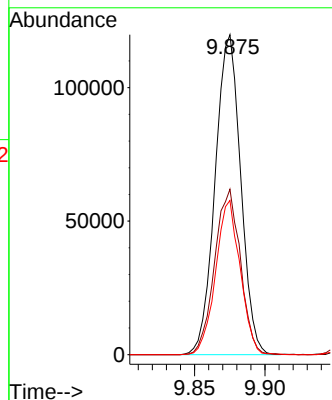
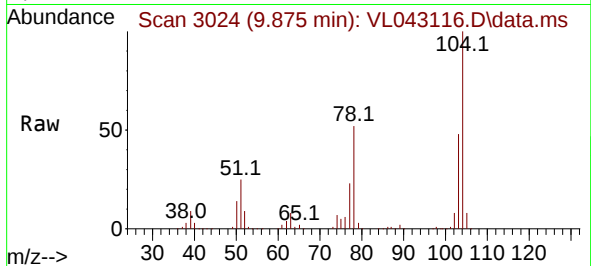




#61
Styrene
Concen: 9.161 ppbv
RT: 9.875 min Scan# 3024
Delta R.T. -0.000 min
Lab File: VL043116.D
Acq: 15 Oct 2025 10:15

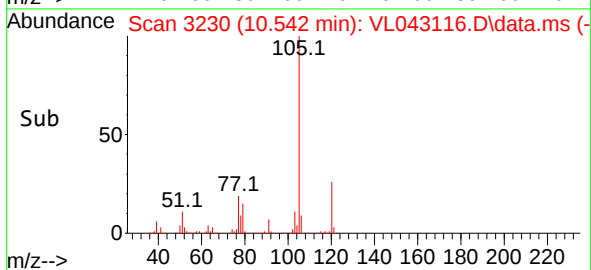
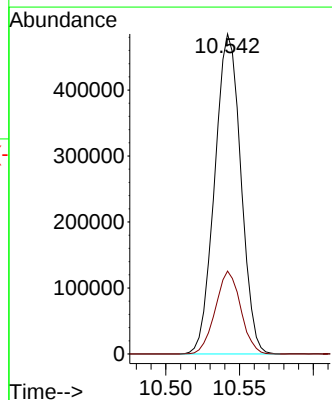
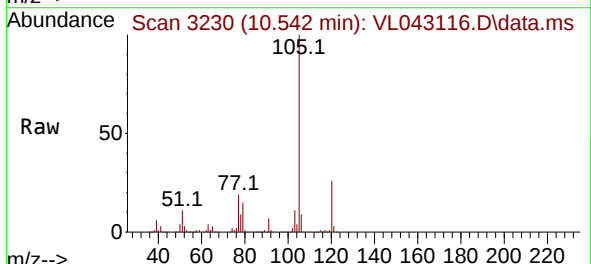
Instrument :
MSVOA_L
ClientSampleId :

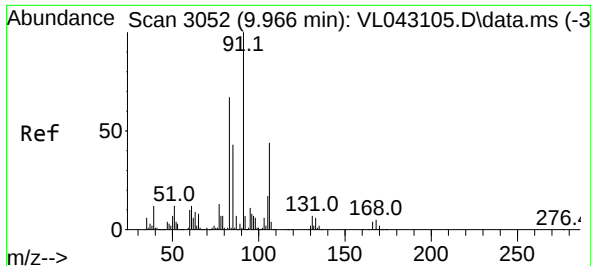
Tgt Ion:104 Resp: 151632
Ion Ratio Lower Upper
104 100
78 52.1 40.2 60.2
103 46.3 36.9 55.3



#62
Isopropylbenzene
Concen: 9.027 ppbv
RT: 10.542 min Scan# 3230
Delta R.T. -0.000 min
Lab File: VL043116.D
Acq: 15 Oct 2025 10:15

Tgt Ion:105 Resp: 598060
Ion Ratio Lower Upper
105 100
120 25.0 20.2 30.4

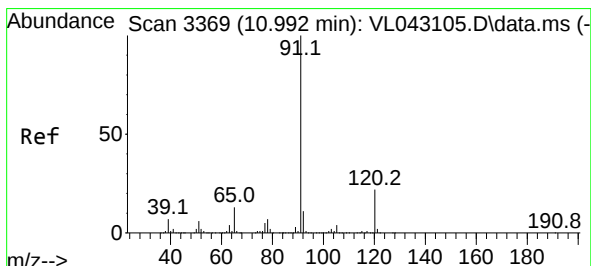
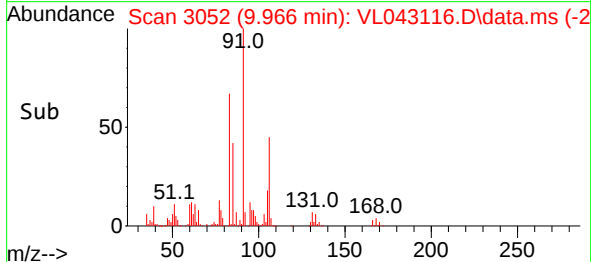
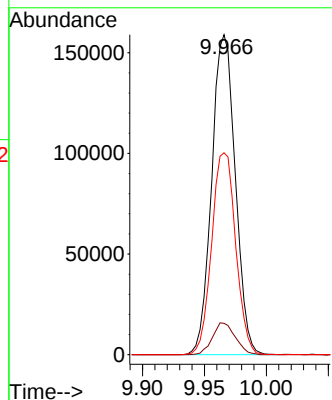
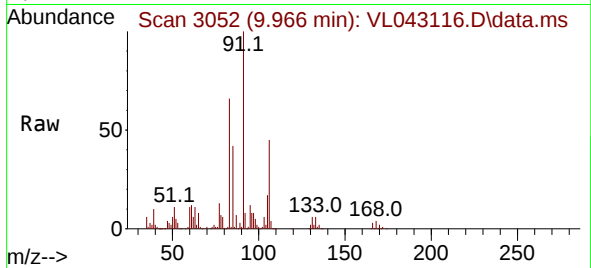




#63
1,1,2,2-Tetrachloroethane
Concen: 8.598 ppbv
RT: 9.966 min Scan# 3052
Delta R.T. -0.000 min
Lab File: VL043116.D
Acq: 15 Oct 2025 10:15

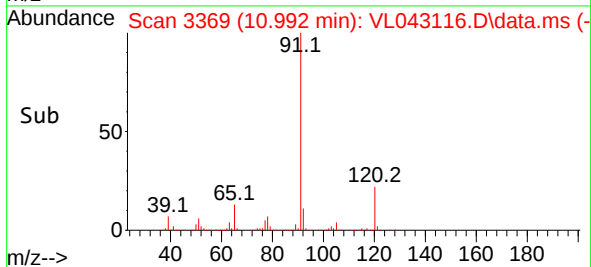
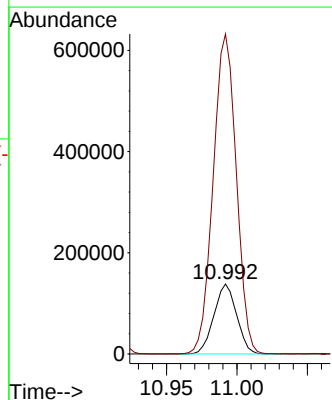
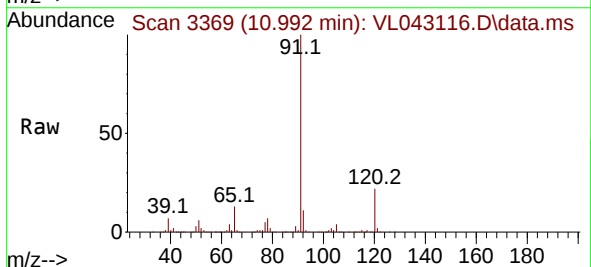
Instrument : MSVOA_L
ClientSampleId :

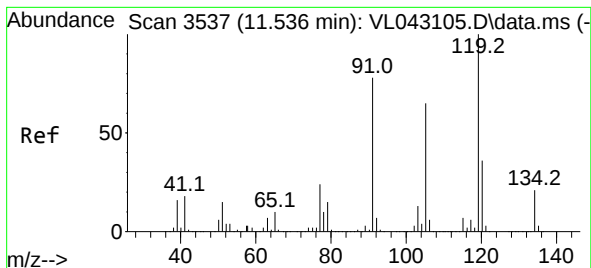
Tgt Ion: 83 Resp: 211101
Ion Ratio Lower Upper
83 100
131 9.6 4.8 14.3
85 64.2 32.0 96.0



#64
n-propylbenzene
Concen: 8.810 ppbv
RT: 10.992 min Scan# 3369
Delta R.T. -0.000 min
Lab File: VL043116.D
Acq: 15 Oct 2025 10:15

Tgt Ion: 120 Resp: 154542
Ion Ratio Lower Upper
120 100
91 467.1 361.6 542.4





#65

tert-Butylbenzene

Concen: 8.650 ppbv

RT: 11.532 min Scan# 3536

Delta R.T. -0.003 min

Lab File: VL043116.D

Acq: 15 Oct 2025 10:15

Instrument :

MSVOA_L

ClientSampleId :

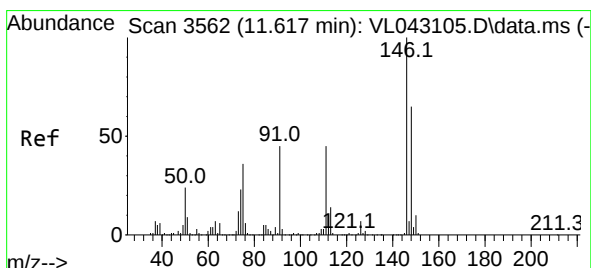
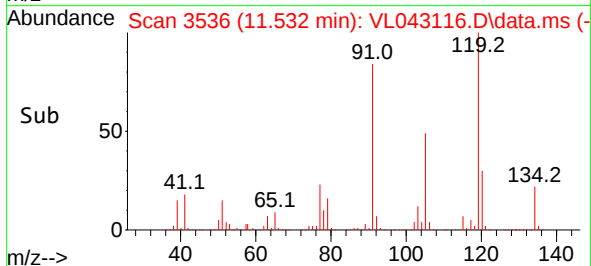
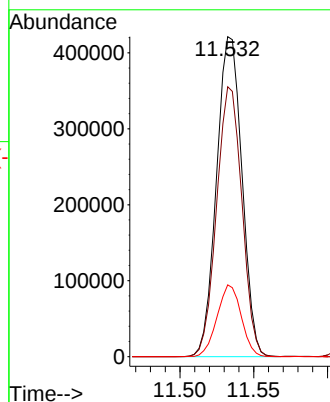
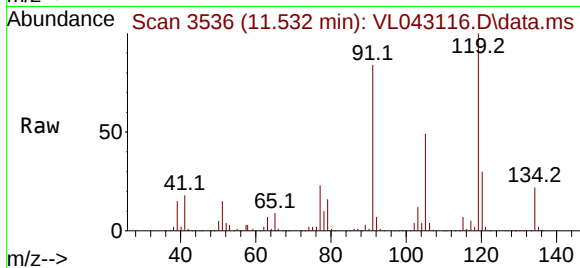
Tgt Ion:119 Resp: 506098

Ion Ratio Lower Upper

119 100

91 83.8 63.4 95.0

134 21.3 17.3 25.9



#66

Benzyl Chloride

Concen: 8.691 ppbv

RT: 11.616 min Scan# 3562

Delta R.T. -0.000 min

Lab File: VL043116.D

Acq: 15 Oct 2025 10:15

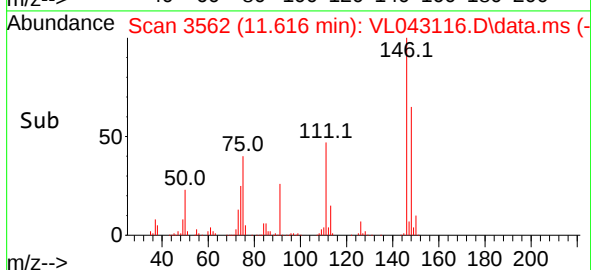
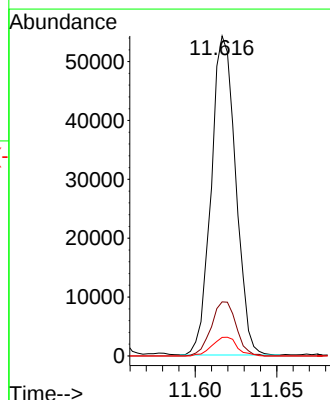
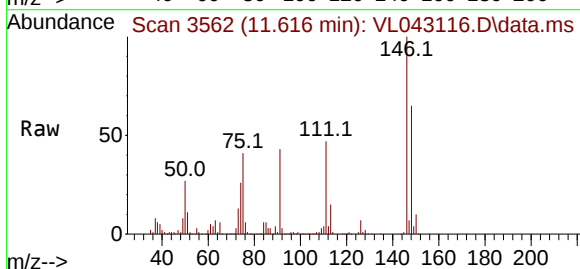
Tgt Ion: 91 Resp: 56595

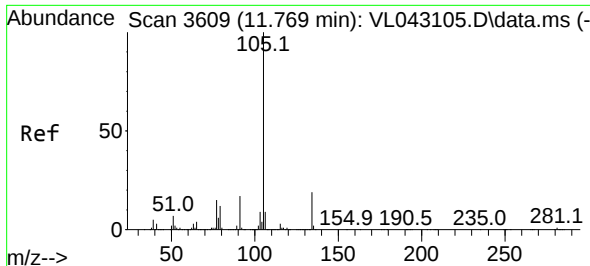
Ion Ratio Lower Upper

91 100

126 17.4 14.6 22.0

128 6.0 4.6 6.8

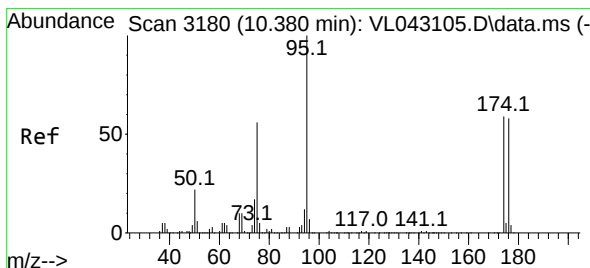
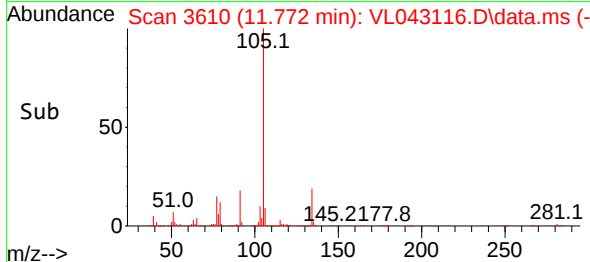
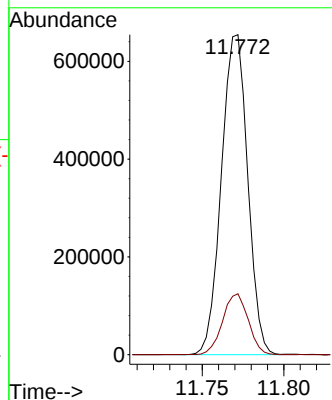
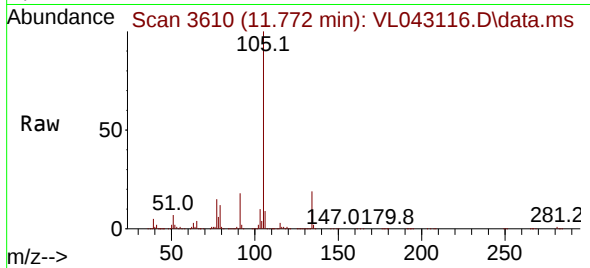




#67
 sec-Butylbenzene
 Concen: 8.836 ppbv
 RT: 11.772 min Scan# 3610
 Delta R.T. 0.003 min
 Lab File: VL043116.D
 Acq: 15 Oct 2025 10:15

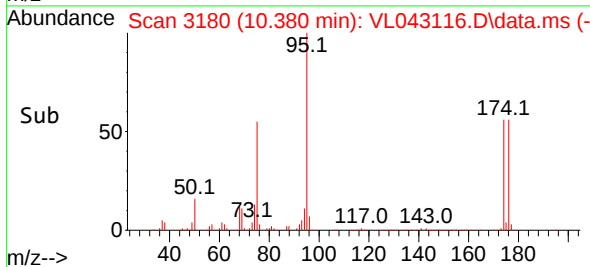
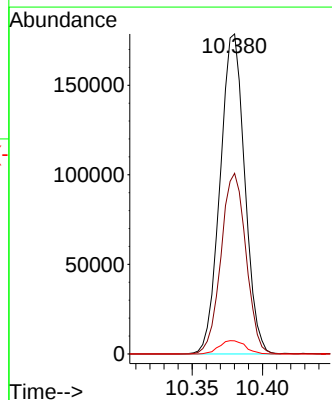
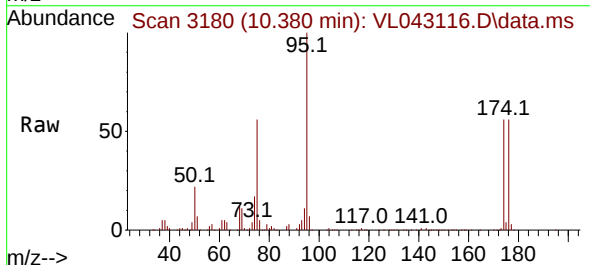
Instrument :
 MSVOA_L
 ClientSampleId :

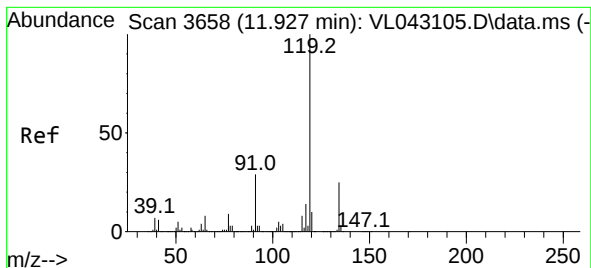
Tgt Ion:105 Resp: 733683
 Ion Ratio Lower Upper
 105 100
 134 18.6 15.5 23.3



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.302 ppbv
 RT: 10.380 min Scan# 3180
 Delta R.T. -0.000 min
 Lab File: VL043116.D
 Acq: 15 Oct 2025 10:15

Tgt Ion: 95 Resp: 217166
 Ion Ratio Lower Upper
 95 100
 174 57.4 48.3 72.5
 175 4.4 3.8 5.8





#69

p-Isopropyltoluene

Concen: 8.752 ppbv

RT: 11.927 min Scan# 3658

Delta R.T. -0.000 min

Lab File: VL043116.D

Acq: 15 Oct 2025 10:15

Instrument :

MSVOA_L

ClientSampleId :

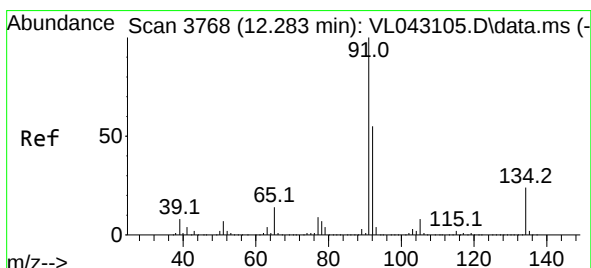
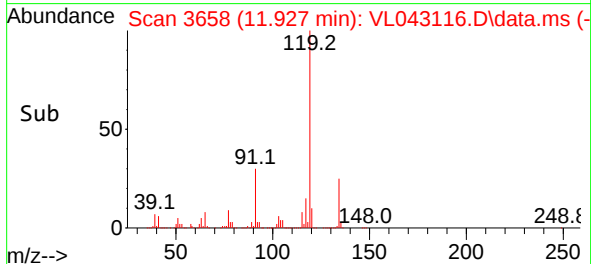
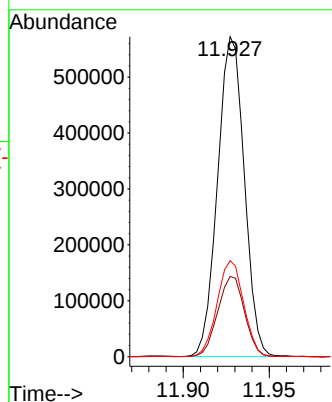
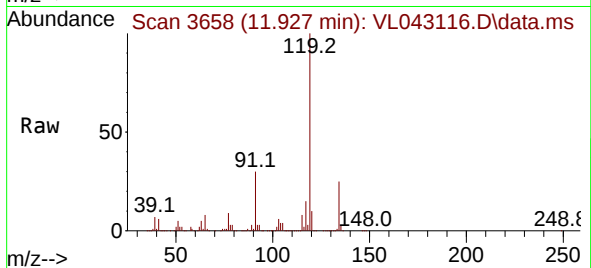
Tgt Ion:119 Resp: 617578

Ion Ratio Lower Upper

119 100

134 25.2 20.3 30.5

91 30.0 22.6 33.8



#70

n-Butylbenzene

Concen: 9.133 ppbv

RT: 12.283 min Scan# 3768

Delta R.T. -0.000 min

Lab File: VL043116.D

Acq: 15 Oct 2025 10:15

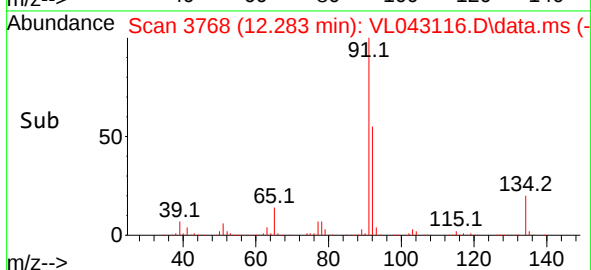
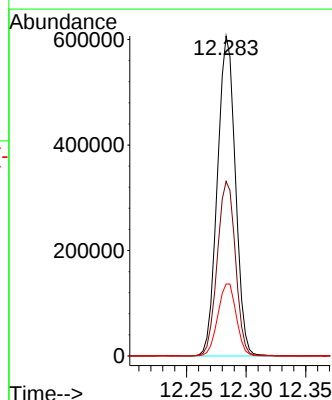
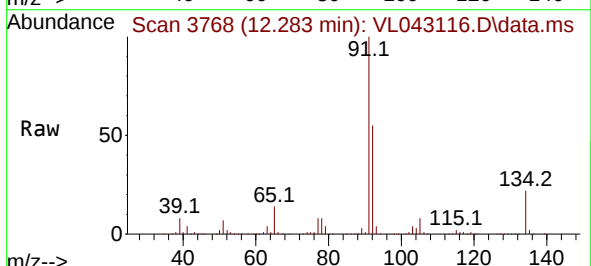
Tgt Ion: 91 Resp: 635054

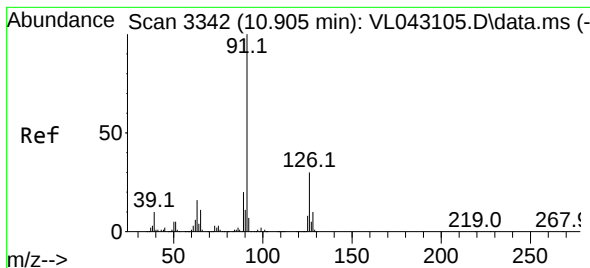
Ion Ratio Lower Upper

91 100

92 55.1 44.5 66.7

134 23.2 19.3 28.9

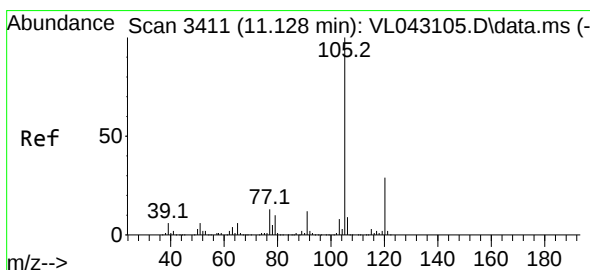
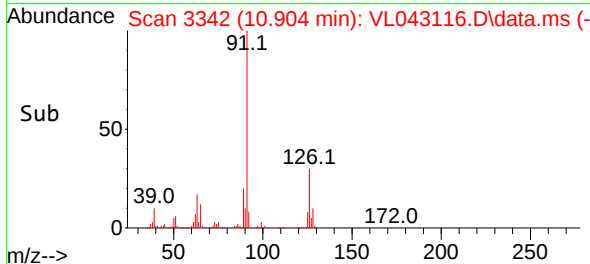
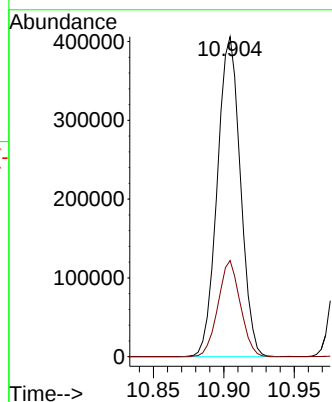
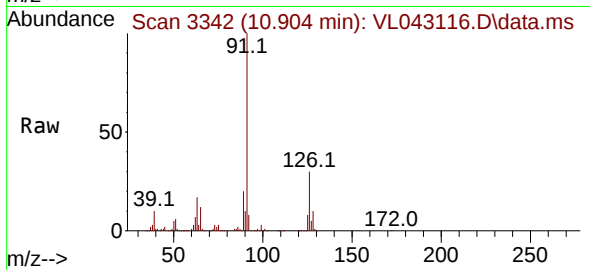




#71
2-Chlorotoluene
Concen: 9.185 ppbv
RT: 10.904 min Scan# 311
Delta R.T. -0.000 min
Lab File: VL043116.D
Acq: 15 Oct 2025 10:15

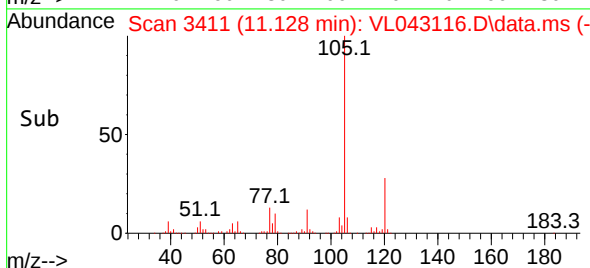
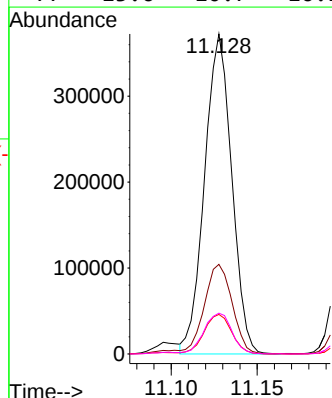
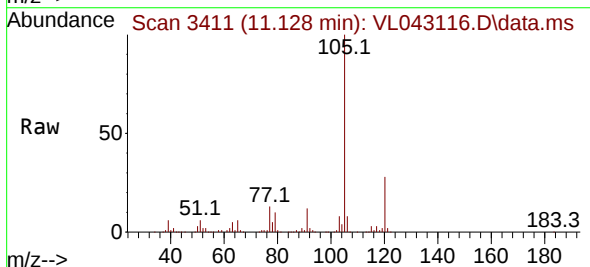
Instrument :
MSVOA_L
ClientSampleId :

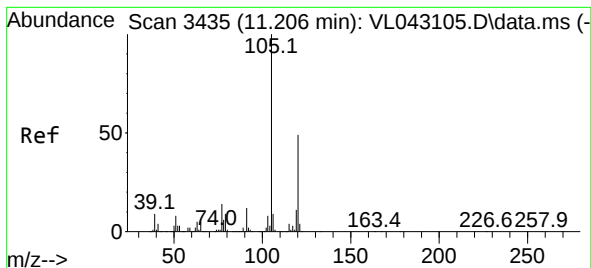
Tgt Ion: 91 Resp: 464145
Ion Ratio Lower Upper
91 100
126 29.0 12.0 48.0



#72
4-Ethyltoluene
Concen: 9.067 ppbv
RT: 11.128 min Scan# 3411
Delta R.T. -0.000 min
Lab File: VL043116.D
Acq: 15 Oct 2025 10:15

Tgt Ion:105 Resp: 408784
Ion Ratio Lower Upper
105 100
120 29.7 24.2 36.4
91 13.1 10.0 15.0
77 13.6 10.7 16.1





#73

1,3,5-Trimethylbenzene

Concen: 9.245 ppbv

RT: 11.205 min Scan# 3435

Delta R.T. -0.000 min

Lab File: VL043116.D

Acq: 15 Oct 2025 10:15

Instrument :

MSVOA_L

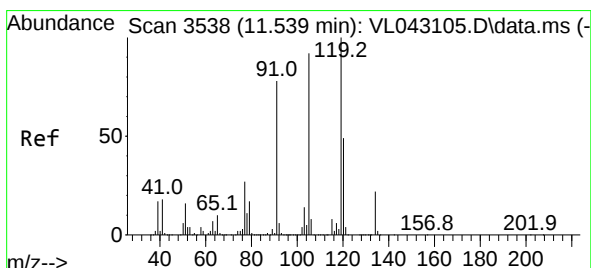
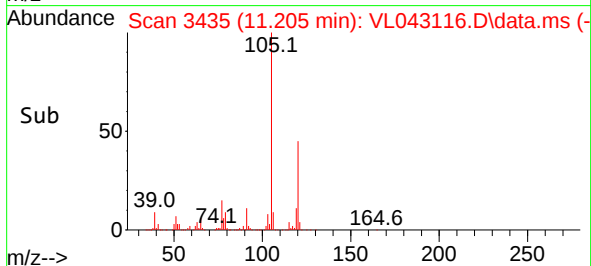
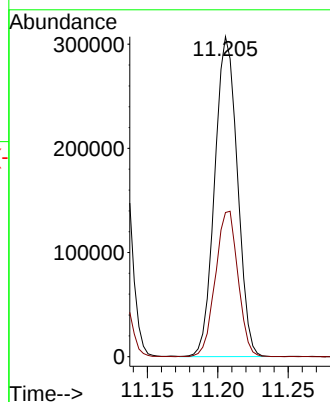
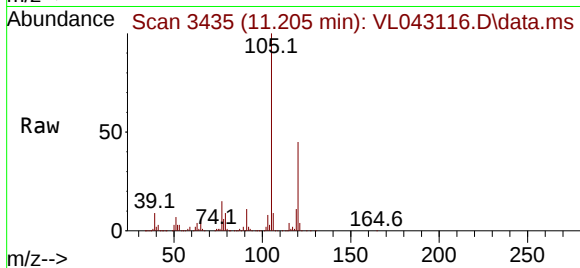
ClientSampleId :

Tgt Ion:105 Resp: 343757

Ion Ratio Lower Upper

105 100

120 45.0 39.0 58.6



#74

1,2,4-Trimethylbenzene

Concen: 8.764 ppbv

RT: 11.539 min Scan# 3538

Delta R.T. -0.000 min

Lab File: VL043116.D

Acq: 15 Oct 2025 10:15

Tgt Ion:105 Resp: 364645

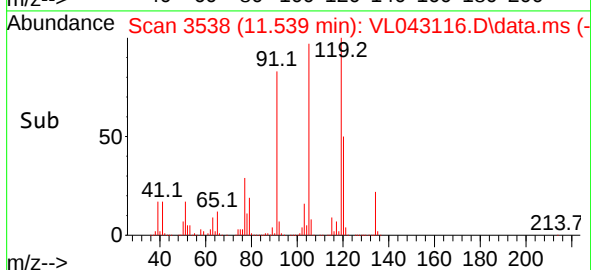
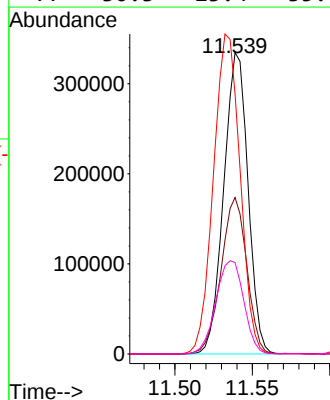
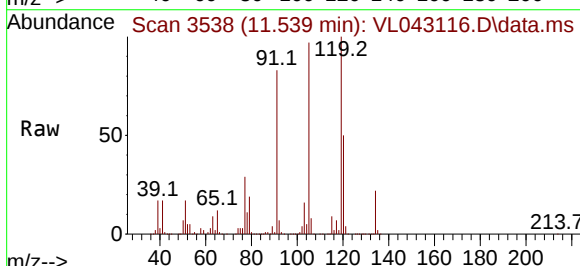
Ion Ratio Lower Upper

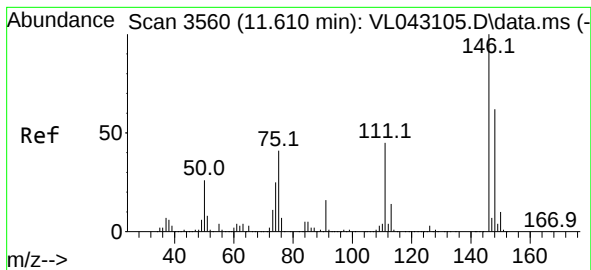
105 100

120 51.9 42.8 64.2

91 86.2 68.3 102.5

77 30.3 23.4 35.0





#75

1,3-Dichlorobenzene

Concen: 8.833 ppbv

RT: 11.610 min Scan# 3560

Delta R.T. -0.000 min

Lab File: VL043116.D

Acq: 15 Oct 2025 10:15

Instrument :

MSVOA_1

ClientSampleId :

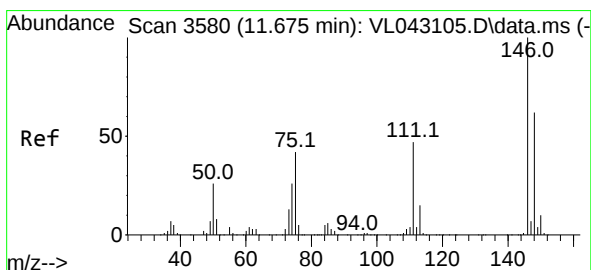
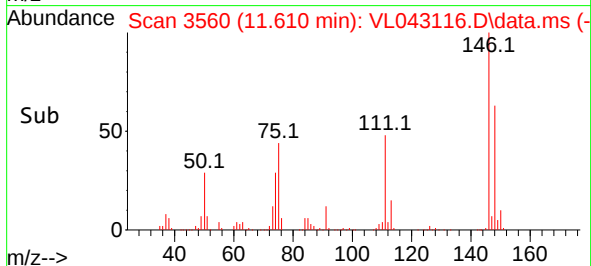
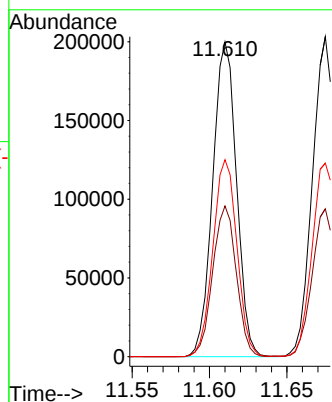
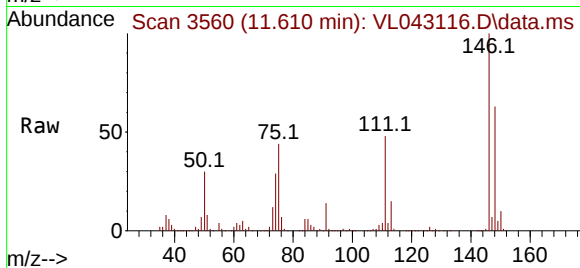
Tgt Ion:146 Resp: 213175

Ion Ratio Lower Upper

146 100

111 47.6 23.3 69.9

148 63.2 31.6 95.0



#76

1,4-Dichlorobenzene

Concen: 8.843 ppbv

RT: 11.675 min Scan# 3580

Delta R.T. -0.000 min

Lab File: VL043116.D

Acq: 15 Oct 2025 10:15

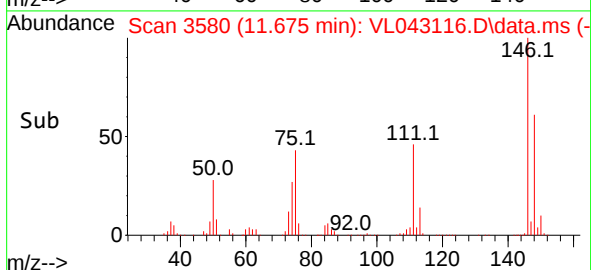
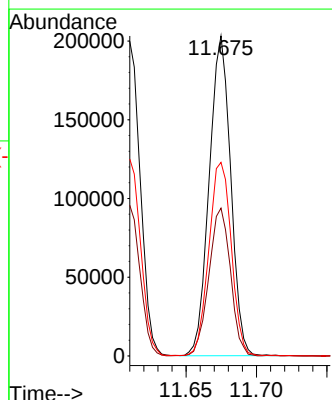
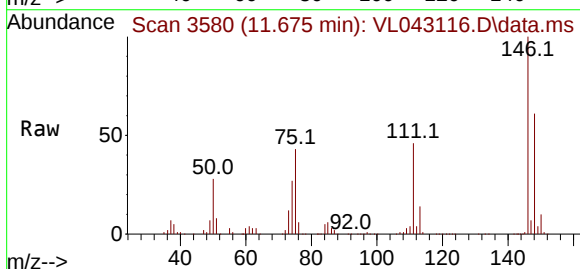
Tgt Ion:146 Resp: 215187

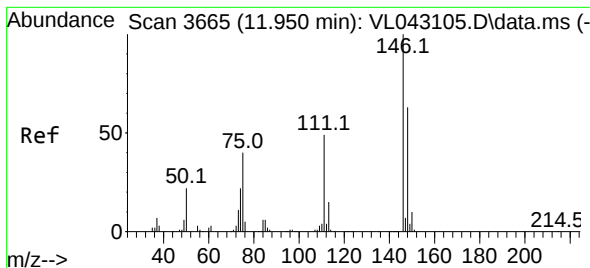
Ion Ratio Lower Upper

146 100

111 46.7 22.4 67.0

148 63.6 31.6 94.7





#77

1,2-Dichlorobenzene

Concen: 8.581 ppbv

RT: 11.950 min Scan# 3

Delta R.T. -0.000 min

Lab File: VL043116.D

Acq: 15 Oct 2025 10:15

Instrument :

MSVOA_L

ClientSampleId :

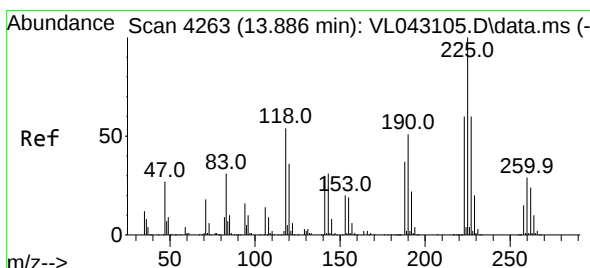
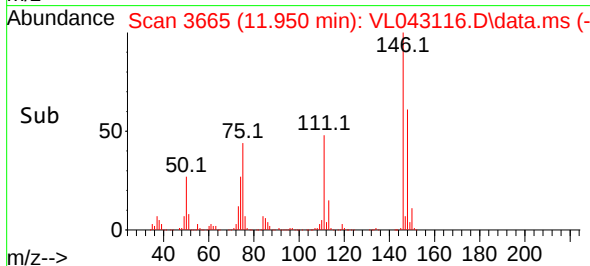
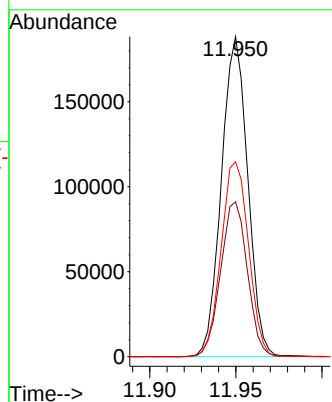
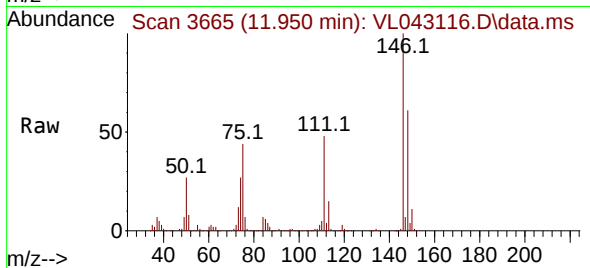
Tgt Ion:146 Resp: 200329

Ion Ratio Lower Upper

146 100

111 49.3 24.0 72.0

148 63.5 31.1 93.3



#78

Hexachloro-1,3-Butadiene

Concen: 7.945 ppbv

RT: 13.882 min Scan# 4262

Delta R.T. -0.003 min

Lab File: VL043116.D

Acq: 15 Oct 2025 10:15

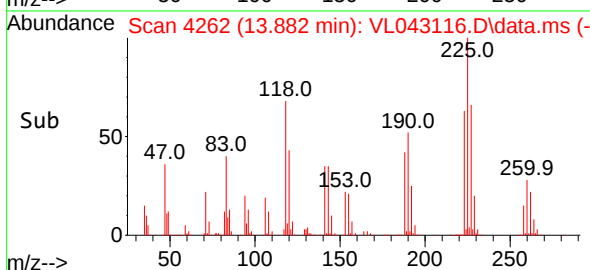
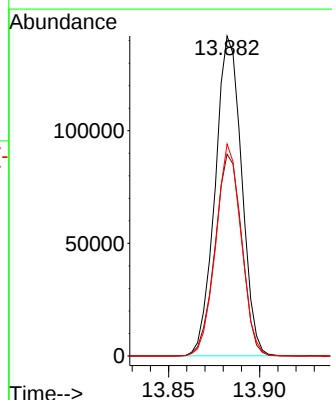
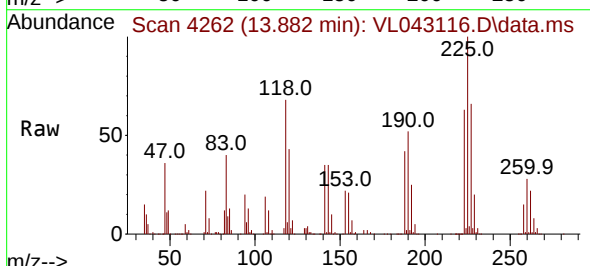
Tgt Ion:225 Resp: 143609

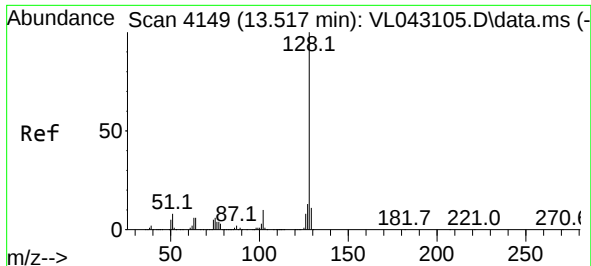
Ion Ratio Lower Upper

225 100

223 63.7 50.2 75.4

227 63.6 49.6 74.4

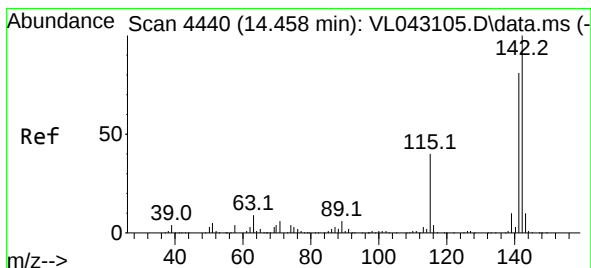
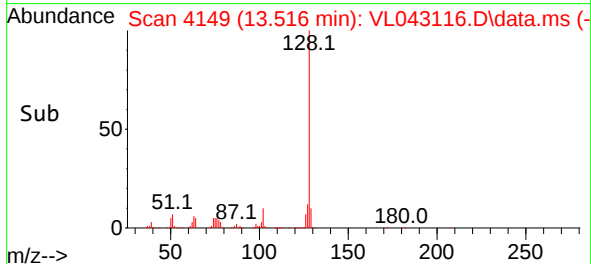
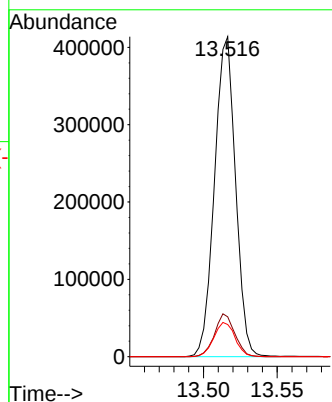
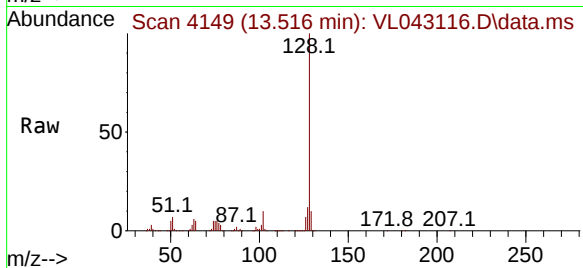




#79
Naphthalene
Concen: 9.429 ppbv
RT: 13.516 min Scan# 4149
Delta R.T. -0.000 min
Lab File: VL043116.D
Acq: 15 Oct 2025 10:15

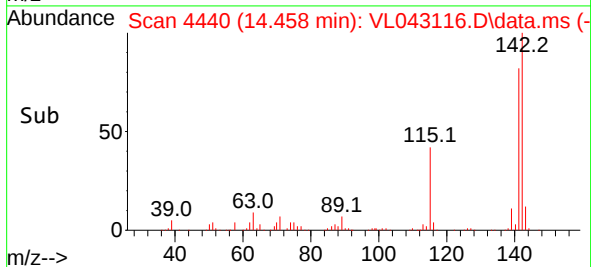
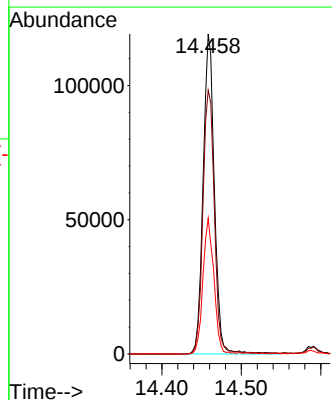
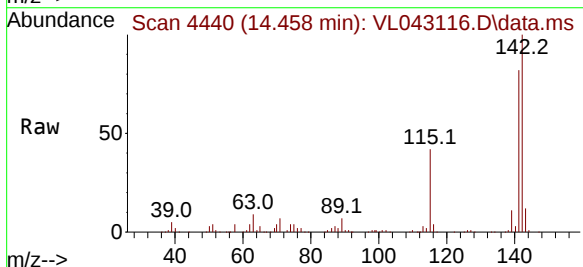
Instrument :
MSVOA_L
ClientSampleId :

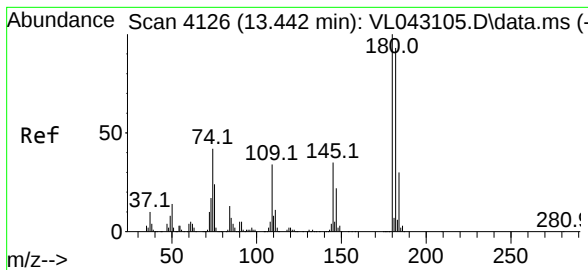
Tgt Ion:128 Resp: 410097
Ion Ratio Lower Upper
128 100
127 12.5 10.5 15.7
129 10.0 9.1 13.7



#80
Naphthalene,2-methyl-
Concen: 10.387 ppbv
RT: 14.458 min Scan# 4440
Delta R.T. -0.000 min
Lab File: VL043116.D
Acq: 15 Oct 2025 10:15

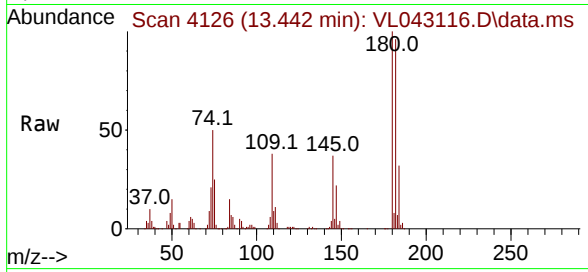
Tgt Ion:142 Resp: 117693
Ion Ratio Lower Upper
142 100
141 84.9 64.6 97.0
115 42.0 30.2 45.4





#81
 1,2,4-Trichlorobenzene
 Concen: 8.987 ppbv
 RT: 13.442 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VL043116.D
 Acq: 15 Oct 2025 10:15

Instrument :
 MSVOA_L
 ClientSampleId :



Tgt Ion:180 Resp: 162229

Ion	Ratio	Lower	Upper
180	100		
182	98.0	75.5	113.3
184	30.9	23.9	35.9

