

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL120825\
 Data File : VL043318.D
 Acq On : 08 Dec 2025 18:11
 Operator : SY/MD
 Sample : Q3797-04
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA2

Quant Time: Dec 09 00:14:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Nov 19 01:11:25 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.777	49	136415	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.943	114	365129	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.862	117	291200	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.361	95	228919	10.725	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.200%

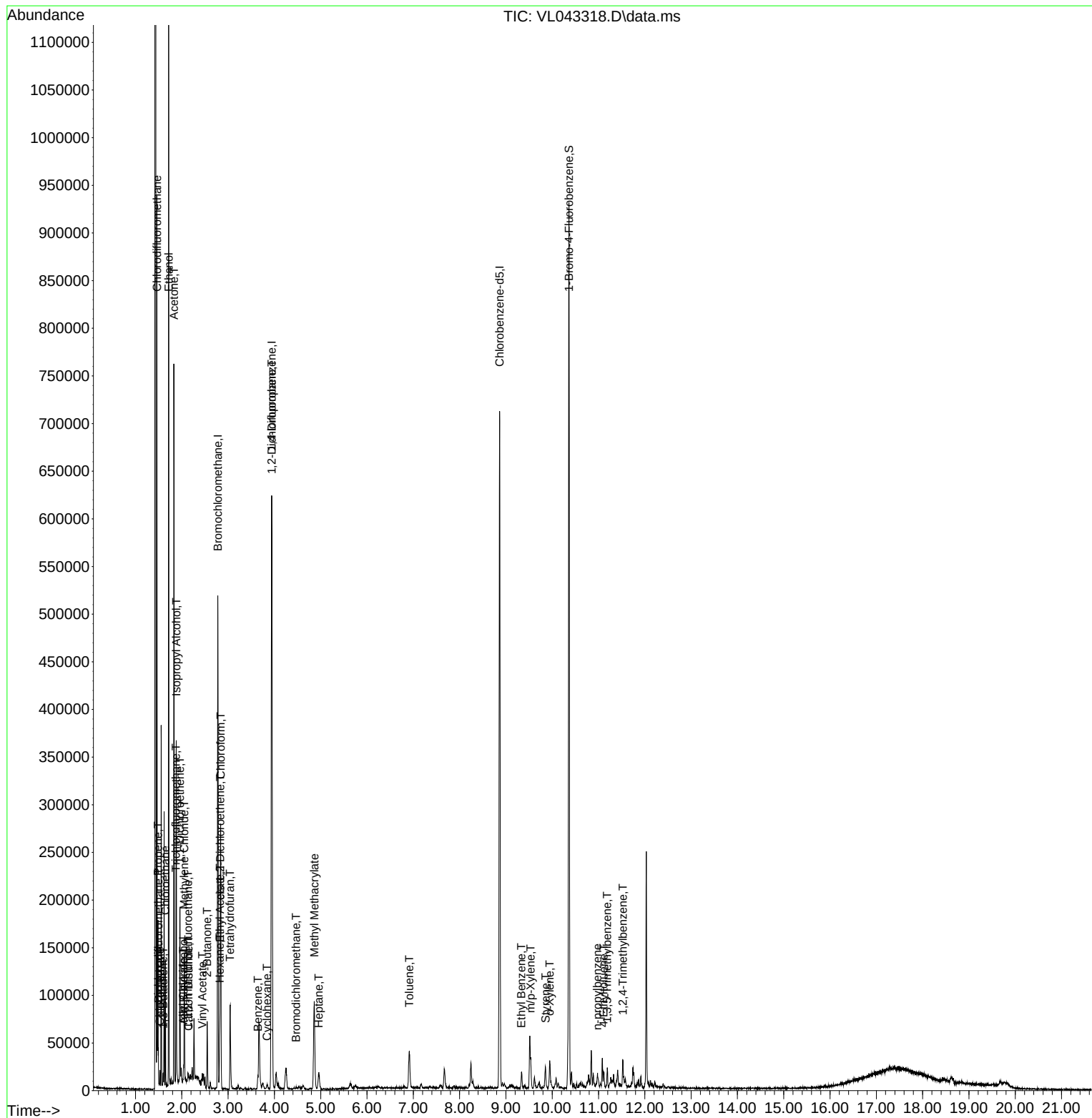
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.496	85	8814	0.458	ppbv	95
3) Chlorodifluoromethane	1.463	51	208182	11.002	ppbv #	62
4) Chloromethane	1.528	50	3400	0.473	ppbv	95
7) Chloroethane	1.648	64	382	0.125	ppbv #	61
9) Propene	1.486	41	13195	1.642	ppbv #	1
10) Heptane	4.959	43	6767	0.283	ppbv	97
11) Trichlorofluoromethane	1.874	101	4602	0.247	ppbv	90
12) 1,1,2-Trichlorotrifluo...	2.133	101	990	0.068	ppbv	83
13) Ethanol	1.716	45	419351	148.421	ppbv	99
15) Acetone	1.829	43	315277	16.635	ppbv	99
16) 1,3-Butadiene	1.599	39	1929	0.228	ppbv #	12
17) tert-Butyl alcohol	2.036	59	4705	0.189	ppbv #	94
18) 1,1-Dichloroethene	1.959	96	398	0.059	ppbv #	1
19) Isopropyl Alcohol	1.881	45	150303	14.034	ppbv #	76
20) Methylene Chloride	2.056	84	16804	2.413	ppbv	93
21) Allyl Chloride	2.033	41	2194	0.172	ppbv #	77
23) Vinyl Acetate	2.444	43	6166	0.269	ppbv #	79
25) Ethyl Acetate	2.826	43	22441	0.549	ppbv #	93
26) Hexane	2.820	57	9660	0.539	ppbv	90
27) Carbon Disulfide	2.146	76	589	0.032	ppbv #	1
29) Chloroform	2.839	83	108046	4.242	ppbv	98
30) Cyclohexane	3.842	84	563	0.037	ppbv #	1
31) cis-1,2-Dichloroethene	2.829	61	1950	0.109	ppbv #	26
34) 2-Butanone	2.548	43	42408	1.645	ppbv	99
36) Benzene	3.645	78	7357	0.210	ppbv	95
39) 1,2-Dichloropropane	3.939	63	89973	7.030	ppbv #	24
41) Tetrahydrofuran	3.043	42	29405	2.066	ppbv	98
42) Bromodichloromethane	4.470	83	1415	0.050	ppbv #	79
43) Methyl Methacrylate	4.862	69	31796	1.713	ppbv	99
53) Toluene	6.911	91	28236	0.682	ppbv	99
58) Ethyl Benzene	9.335	91	6109	0.109	ppbv	97
59) m/p-Xylene	9.536	91	8777	0.195	ppbv #	31
60) o-Xylene	9.947	91	12433	0.277	ppbv	99
61) Styrene	9.856	104	6568	0.334	ppbv	94
64) n-propylbenzene	10.976	120	1072	0.052	ppbv	82
72) 4-Ethyltoluene	11.109	105	5530	0.101	ppbv #	55
73) 1,3,5-Trimethylbenzene	11.189	105	4413	0.096	ppbv #	79
74) 1,2,4-Trimethylbenzene	11.526	105	10850	0.217	ppbv #	47

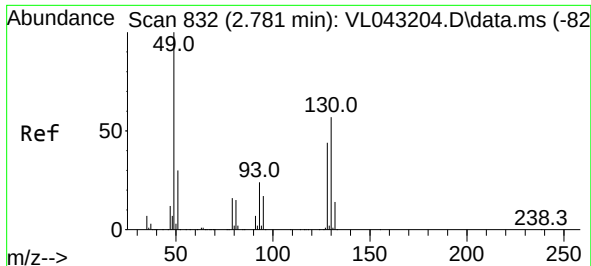
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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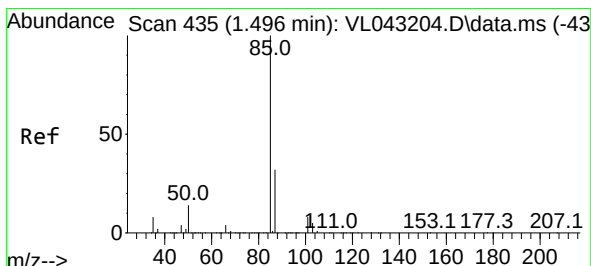
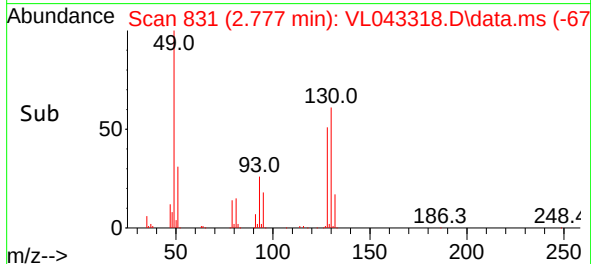
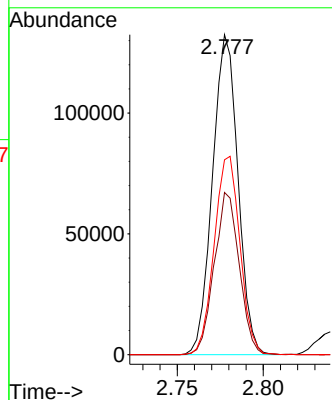
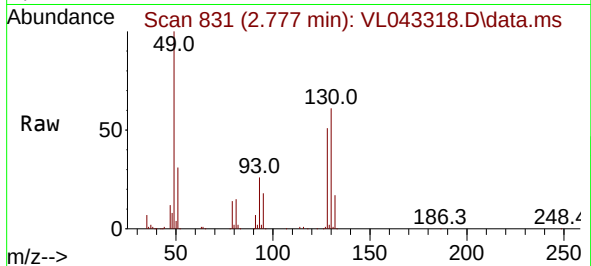




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.777 min Scan# 831
Delta R.T. -0.004 min
Lab File: VL043318.D
Acq: 08 Dec 2025 18:11

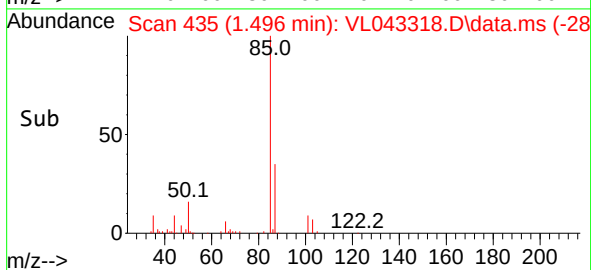
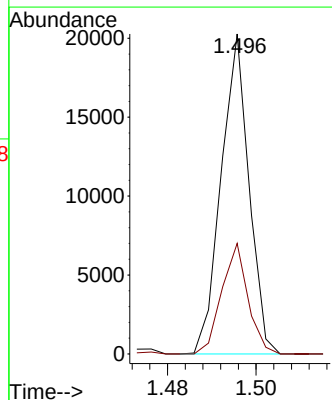
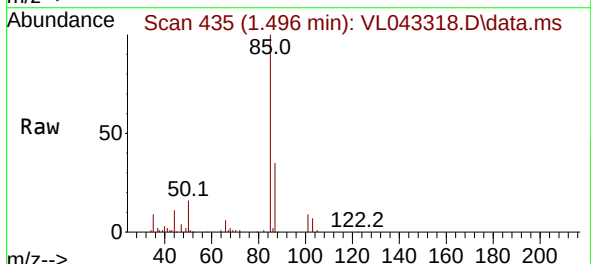
Instrument :
MSVOA_L
ClientSampleId :
IA2

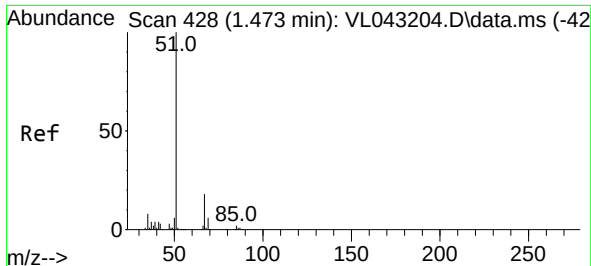
Tgt Ion: 49 Resp: 136415
Ion Ratio Lower Upper
49 100
128 49.8 23.0 69.0
130 62.7 29.9 89.7



#2
Dichlorodifluoromethane
Concen: 0.458 ppbv
RT: 1.496 min Scan# 435
Delta R.T. -0.000 min
Lab File: VL043318.D
Acq: 08 Dec 2025 18:11

Tgt Ion: 85 Resp: 8814
Ion Ratio Lower Upper
85 100
87 34.6 25.4 38.2

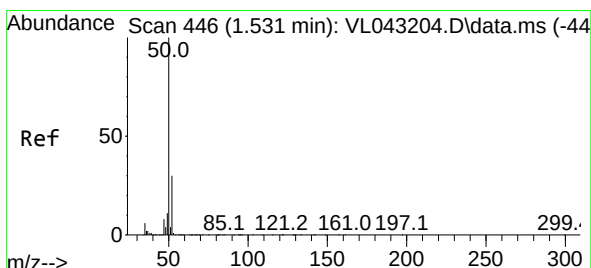
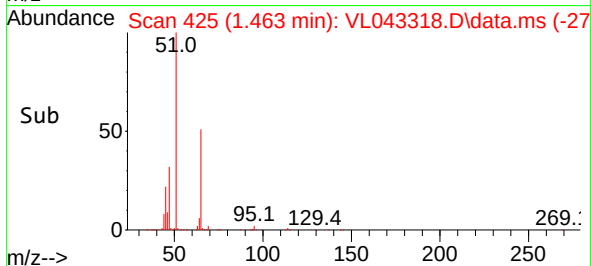
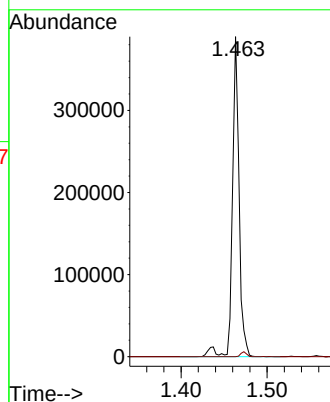
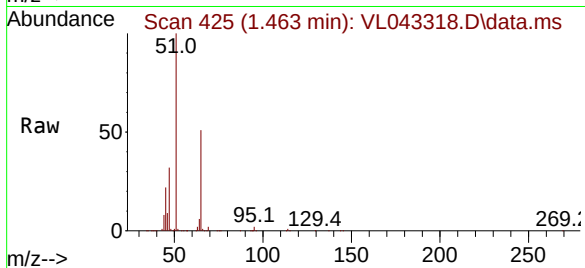




#3
Chlorodifluoromethane
Concen: 11.002 ppbv
RT: 1.463 min Scan# 41
Delta R.T. -0.010 min
Lab File: VL043318.D
Acq: 08 Dec 2025 18:11

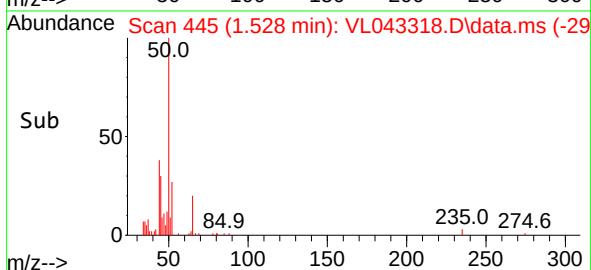
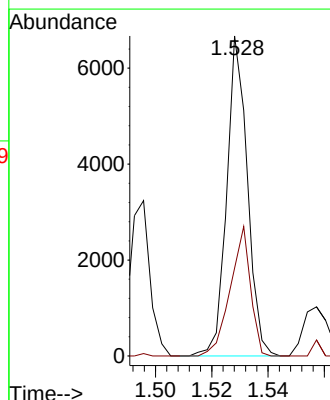
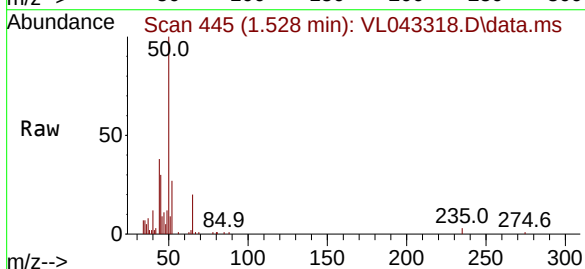
Instrument :
MSVOA_L
ClientSampleId :
IA2

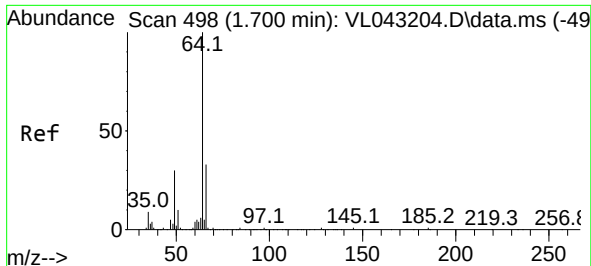
Tgt Ion: 51 Resp: 208182
Ion Ratio Lower Upper
51 100
67 1.4 14.9 22.3#



#4
Chloromethane
Concen: 0.473 ppbv
RT: 1.528 min Scan# 445
Delta R.T. -0.003 min
Lab File: VL043318.D
Acq: 08 Dec 2025 18:11

Tgt Ion: 50 Resp: 3400
Ion Ratio Lower Upper
50 100
52 27.5 24.1 36.1

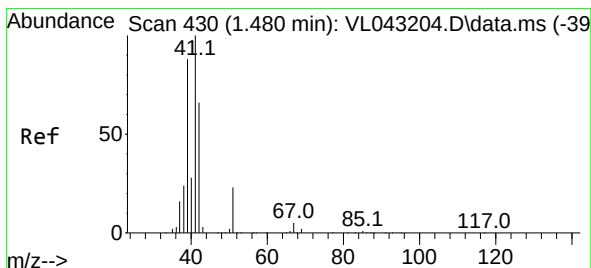
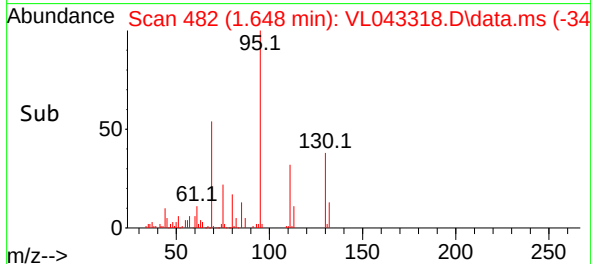
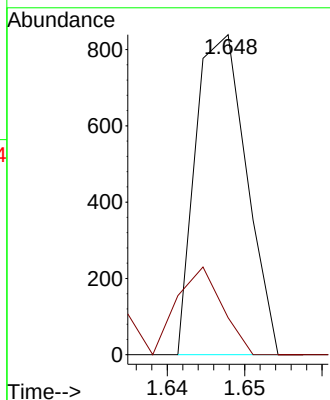
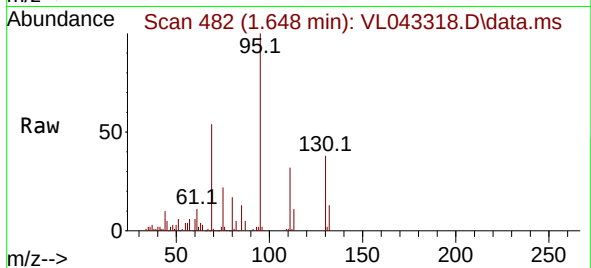




#7
Chloroethane
Concen: 0.125 ppbv
RT: 1.648 min Scan# 41
Delta R.T. -0.052 min
Lab File: VL043318.D
Acq: 08 Dec 2025 18:11

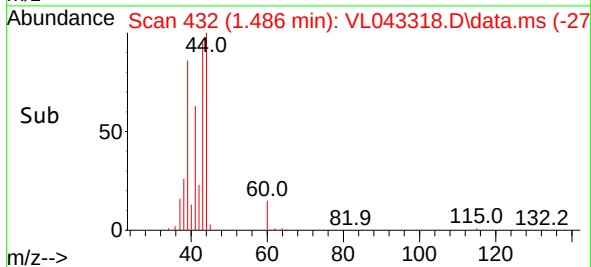
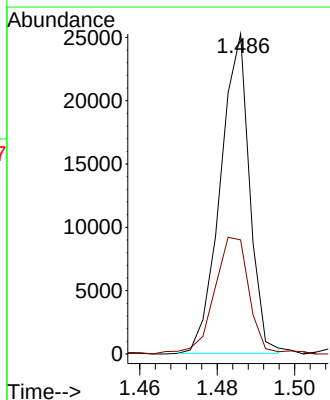
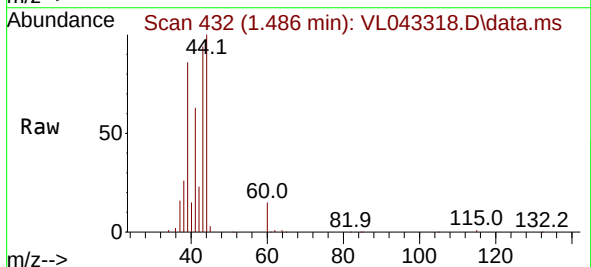
Instrument :
MSVOA_L
ClientSampleId :
IA2

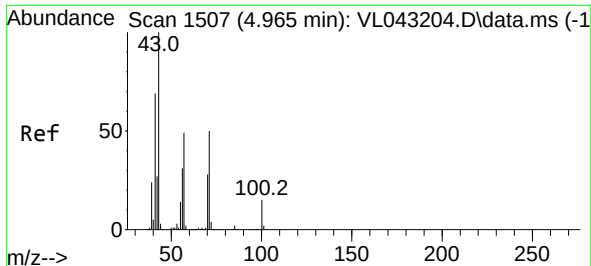
Tgt Ion: 64 Resp: 382
Ion Ratio Lower Upper
64 100
66 11.6 26.8 40.2#



#9
Propene
Concen: 1.642 ppbv
RT: 1.486 min Scan# 432
Delta R.T. 0.006 min
Lab File: VL043318.D
Acq: 08 Dec 2025 18:11

Tgt Ion: 41 Resp: 13195
Ion Ratio Lower Upper
41 100
42 45.3 3.7 5.5#

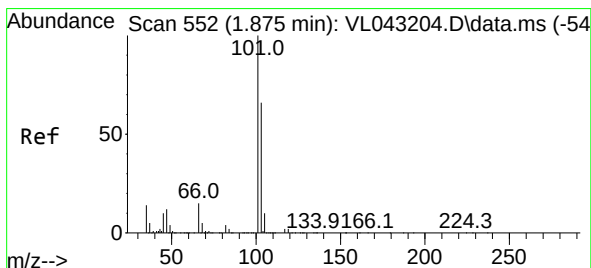
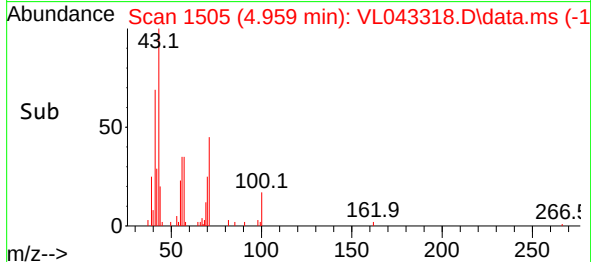
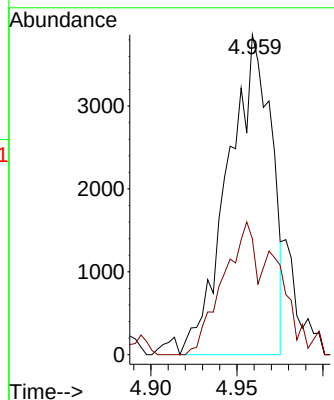
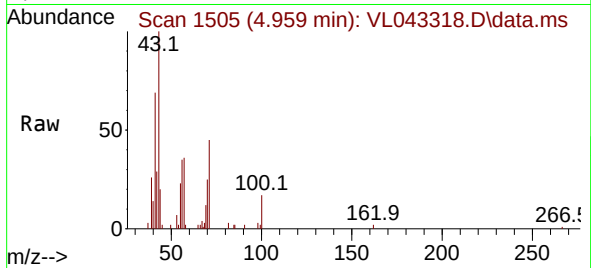




#10
Heptane
Concen: 0.283 ppbv
RT: 4.959 min Scan# 11
Delta R.T. -0.007 min
Lab File: VL043318.D
Acq: 08 Dec 2025 18:11

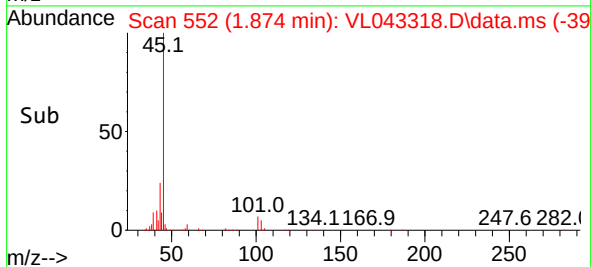
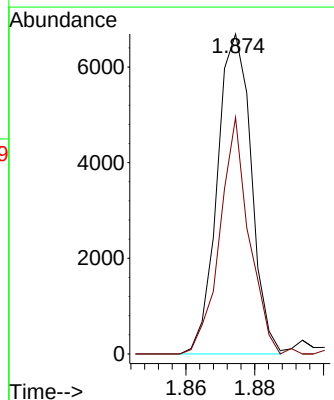
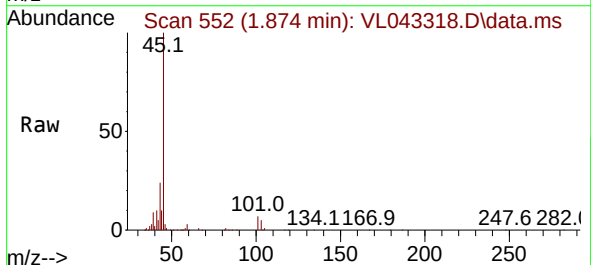
Instrument :
MSVOA_L
ClientSampleId :
IA2

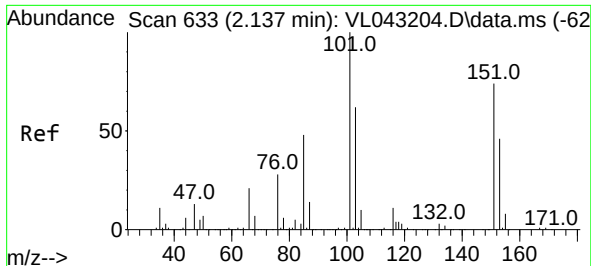
Tgt Ion: 43 Resp: 6767
Ion Ratio Lower Upper
43 100
57 51.8 39.7 59.5



#11
Trichlorofluoromethane
Concen: 0.247 ppbv
RT: 1.874 min Scan# 552
Delta R.T. -0.000 min
Lab File: VL043318.D
Acq: 08 Dec 2025 18:11

Tgt Ion: 101 Resp: 4602
Ion Ratio Lower Upper
101 100
103 73.9 52.6 79.0

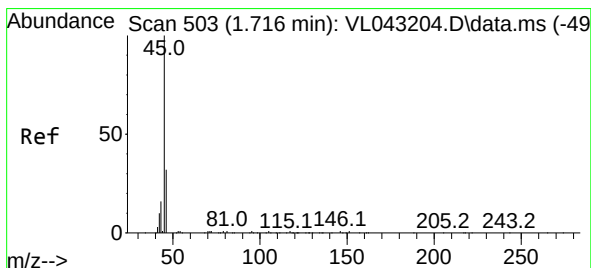
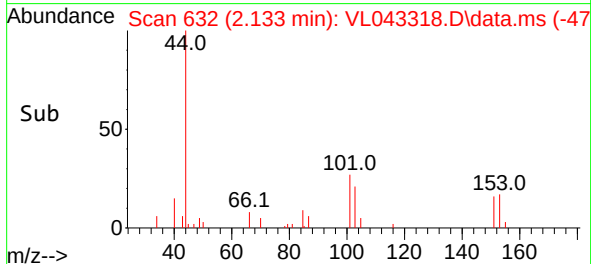
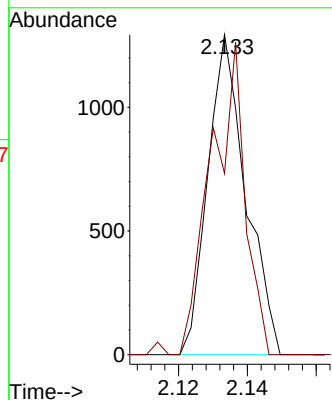
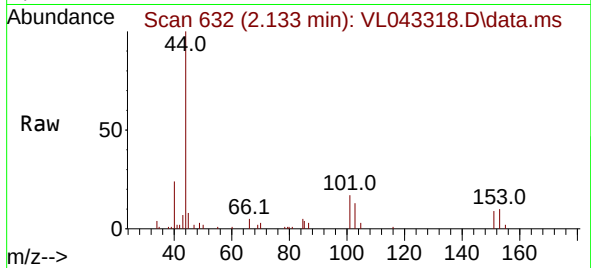




#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.068 ppbv
 RT: 2.133 min Scan# 61
 Delta R.T. -0.003 min
 Lab File: VL043318.D
 Acq: 08 Dec 2025 18:11

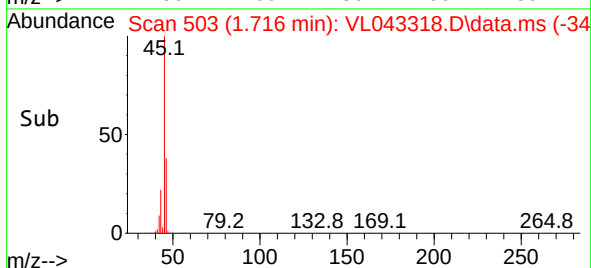
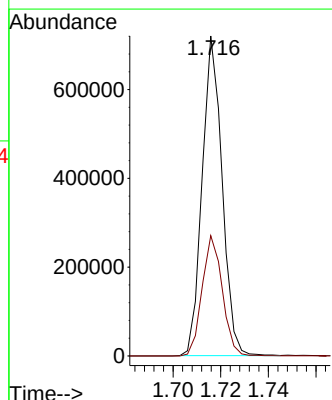
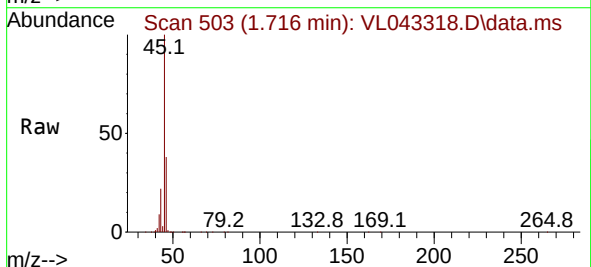
Instrument :
 MSVOA_L
 ClientSampleId :
 IA2

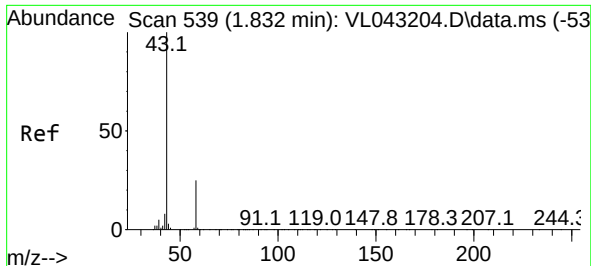
Tgt Ion:101 Resp: 990
 Ion Ratio Lower Upper
 101 100
 151 88.4 59.2 88.8



#13
 Ethanol
 Concen: 148.421 ppbv
 RT: 1.716 min Scan# 503
 Delta R.T. -0.000 min
 Lab File: VL043318.D
 Acq: 08 Dec 2025 18:11

Tgt Ion: 45 Resp: 419351
 Ion Ratio Lower Upper
 45 100
 46 38.3 15.0 59.8

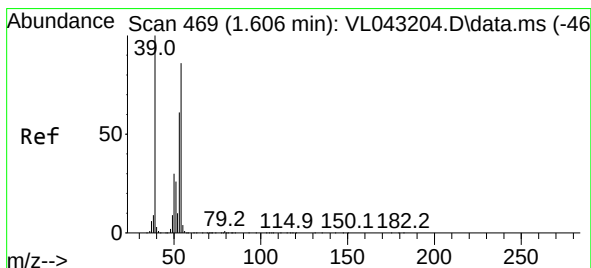
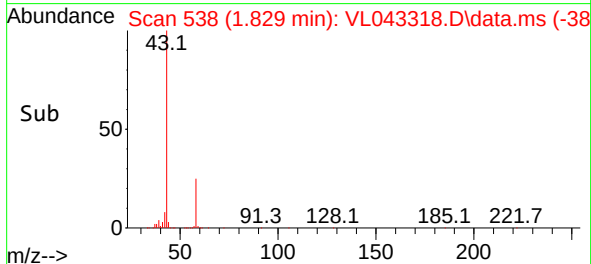
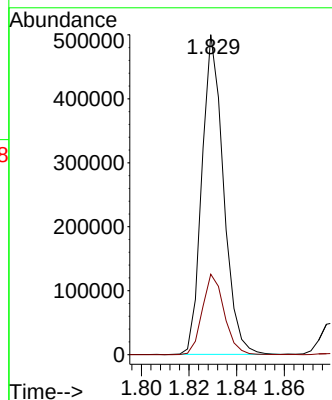
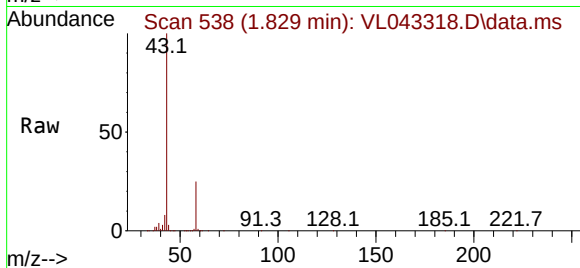




#15
Acetone
Concen: 16.635 ppbv
RT: 1.829 min Scan# 51
Delta R.T. -0.003 min
Lab File: VL043318.D
Acq: 08 Dec 2025 18:11

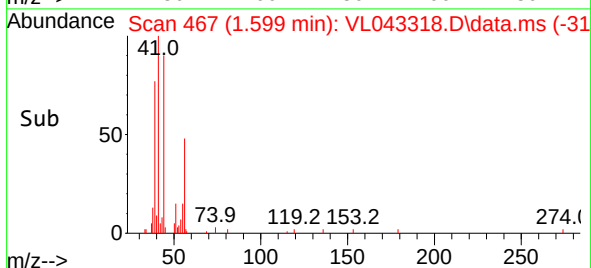
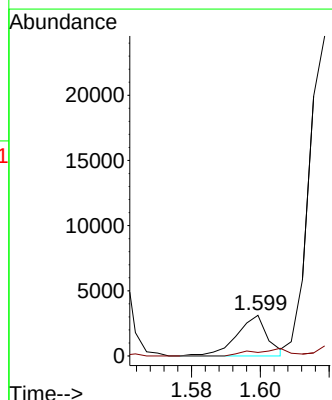
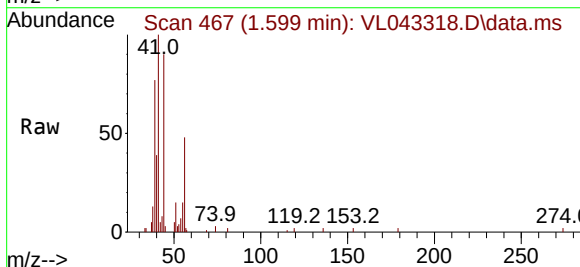
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IA2

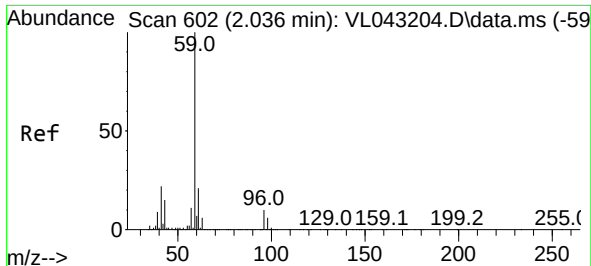
Tgt Ion: 43 Resp: 315277
Ion Ratio Lower Upper
43 100
58 25.5 20.7 31.1



#16
1,3-Butadiene
Concen: 0.228 ppbv
RT: 1.599 min Scan# 467
Delta R.T. -0.007 min
Lab File: VL043318.D
Acq: 08 Dec 2025 18:11

Tgt Ion: 39 Resp: 1929
Ion Ratio Lower Upper
39 100
54 0.0 59.4 89.2#





#17

tert-Butyl alcohol

Concen: 0.189 ppbv

RT: 2.036 min Scan# 602

Delta R.T. -0.000 min

Lab File: VL043318.D

Acq: 08 Dec 2025 18:11

Instrument :

MSVOA_1

ClientSampleId :

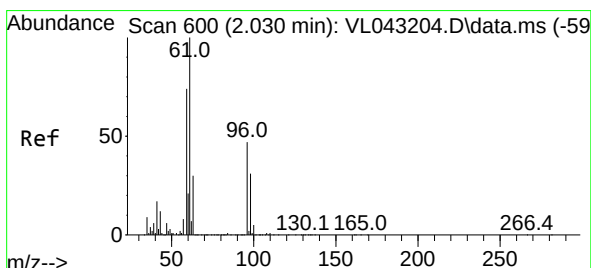
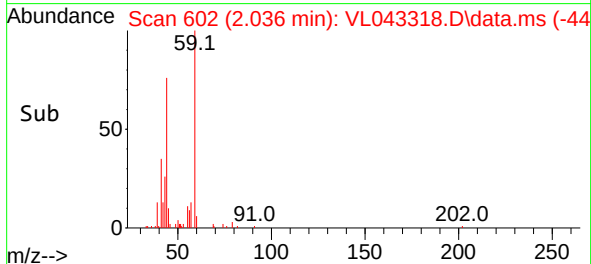
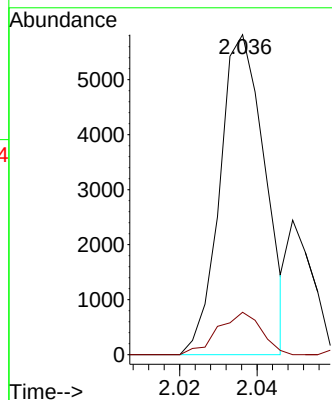
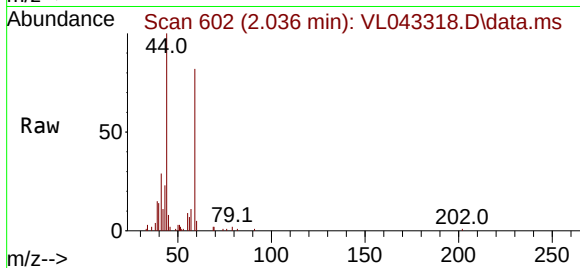
IA2

Tgt Ion: 59 Resp: 4705

Ion Ratio Lower Upper

59 100

57 13.5 9.0 13.4#



#18

1,1-Dichloroethene

Concen: 0.059 ppbv

RT: 1.959 min Scan# 578

Delta R.T. -0.071 min

Lab File: VL043318.D

Acq: 08 Dec 2025 18:11

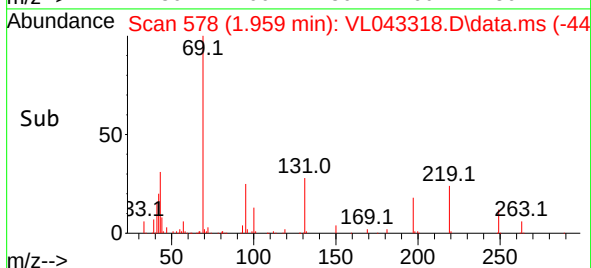
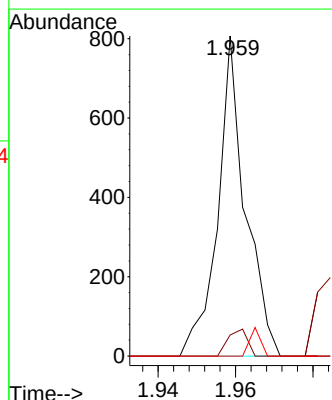
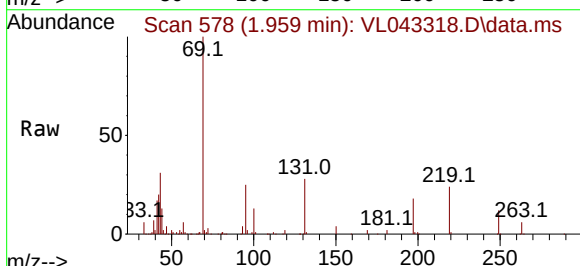
Tgt Ion: 96 Resp: 398

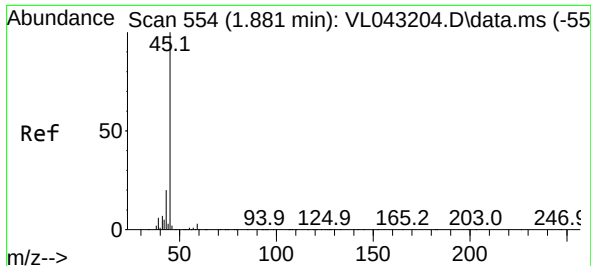
Ion Ratio Lower Upper

96 100

61 6.6 170.6 255.8#

98 0.0 52.2 78.4#

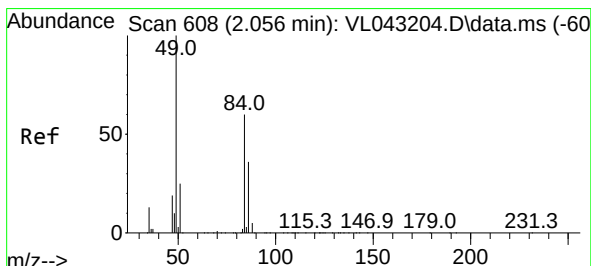
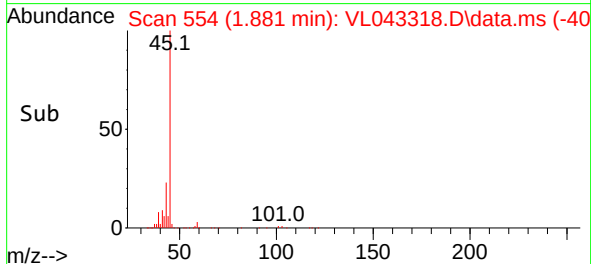
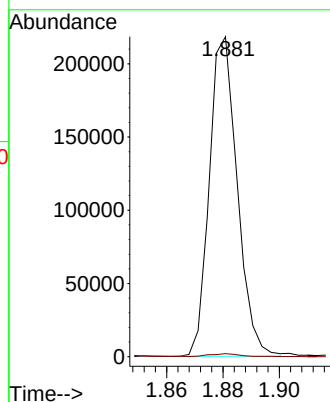
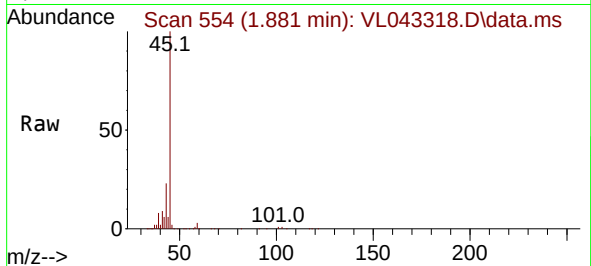




#19
Isopropyl Alcohol
Concen: 14.034 ppbv
RT: 1.881 min Scan# 51
Delta R.T. -0.000 min
Lab File: VL043318.D
Acq: 08 Dec 2025 18:11

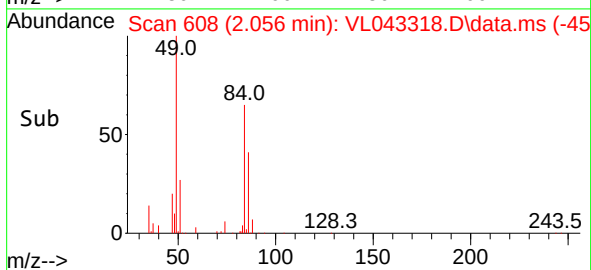
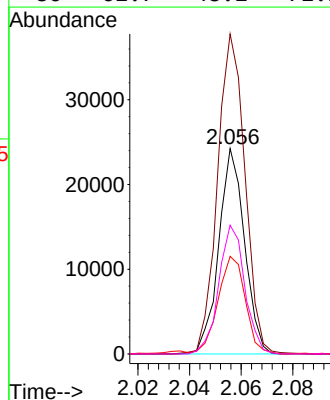
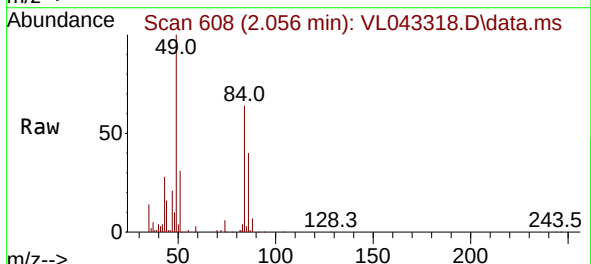
Instrument :
MSVOA_L
ClientSampleId :
IA2

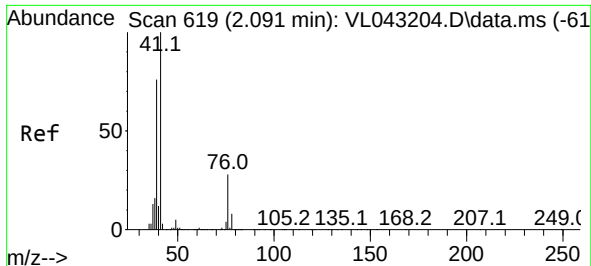
Tgt Ion: 45 Resp: 150303
Ion Ratio Lower Upper
45 100
58 53.5 31.3 46.9#



#20
Methylene Chloride
Concen: 2.413 ppbv
RT: 2.056 min Scan# 608
Delta R.T. -0.000 min
Lab File: VL043318.D
Acq: 08 Dec 2025 18:11

Tgt Ion: 84 Resp: 16804
Ion Ratio Lower Upper
84 100
49 155.3 132.9 199.3
51 47.5 34.8 52.2
86 62.7 48.2 72.2

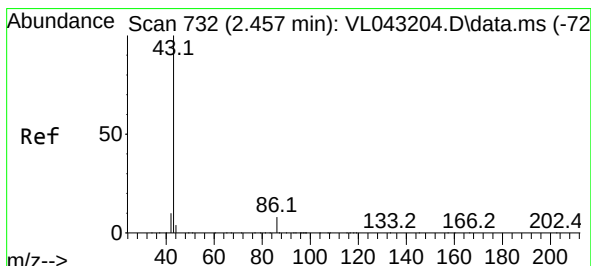
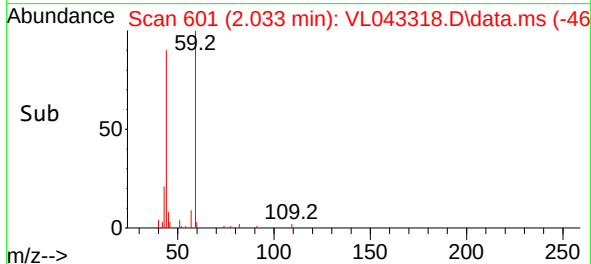
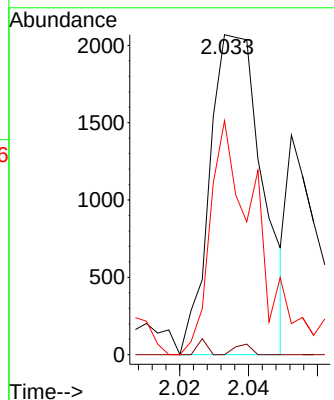
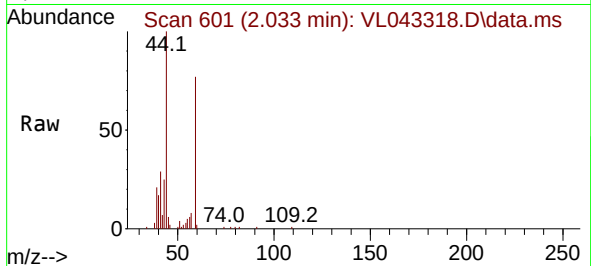




#21
 Allyl Chloride
 Concen: 0.172 ppbv
 RT: 2.033 min Scan# 619
 Delta R.T. -0.058 min
 Lab File: VL043318.D
 Acq: 08 Dec 2025 18:11

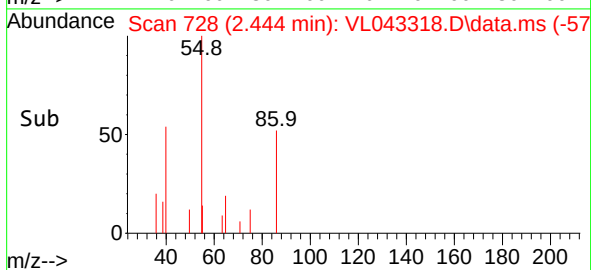
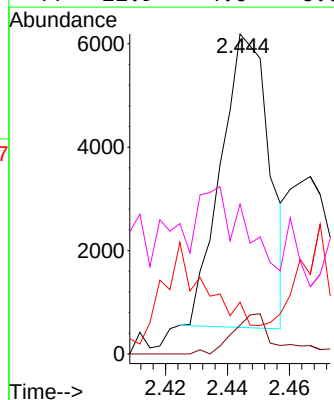
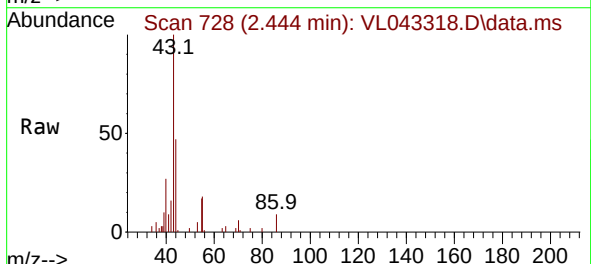
Instrument :
 MSVOA_L
 ClientSampleId :
 IA2

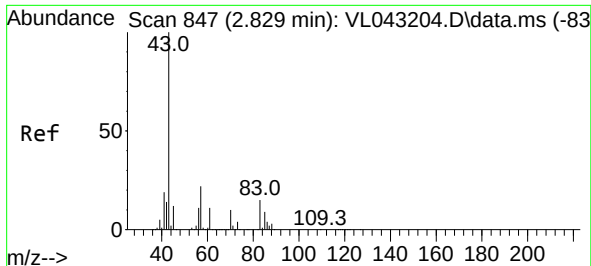
Tgt Ion: 41 Resp: 2194
 Ion Ratio Lower Upper
 41 100
 76 2.0 22.1 33.1#
 39 64.1 61.0 91.4



#23
 Vinyl Acetate
 Concen: 0.269 ppbv
 RT: 2.444 min Scan# 728
 Delta R.T. -0.013 min
 Lab File: VL043318.D
 Acq: 08 Dec 2025 18:11

Tgt Ion: 43 Resp: 6166
 Ion Ratio Lower Upper
 43 100
 86 9.8 6.2 9.2#
 42 4.0 8.0 12.0#
 44 22.9 4.0 6.0#

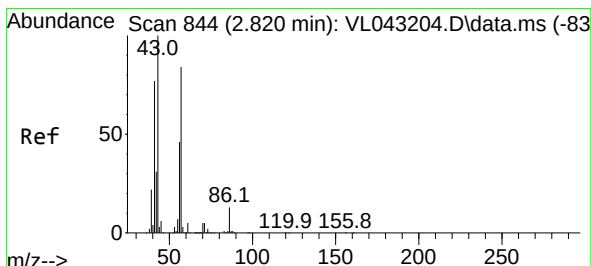
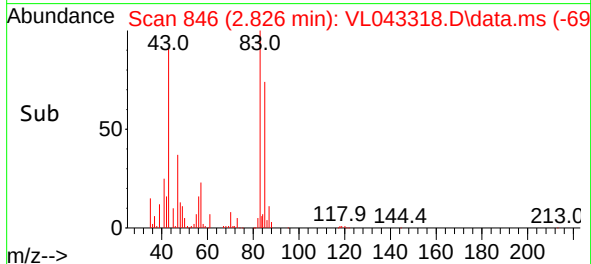
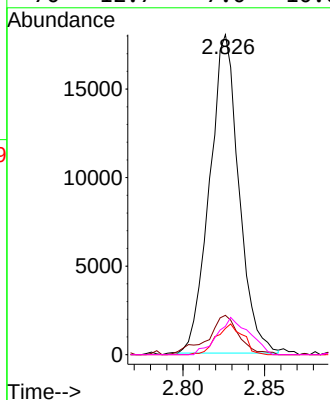
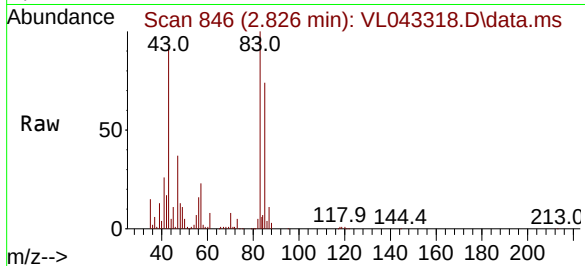




#25
Ethyl Acetate
Concen: 0.549 ppbv
RT: 2.826 min Scan# 847
Delta R.T. -0.003 min
Lab File: VL043318.D
Acq: 08 Dec 2025 18:11

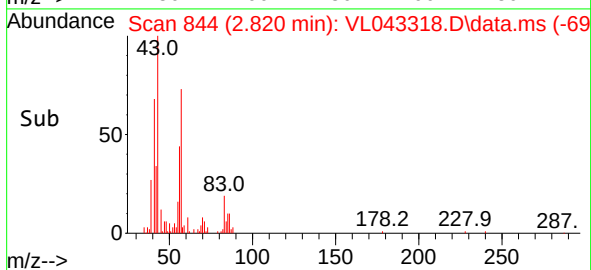
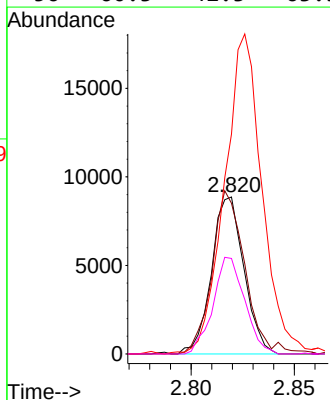
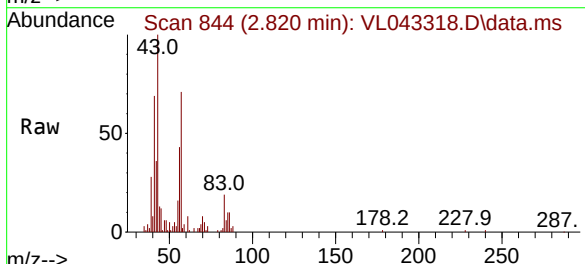
Instrument :
MSVOA_L
ClientSampleId :
IA2

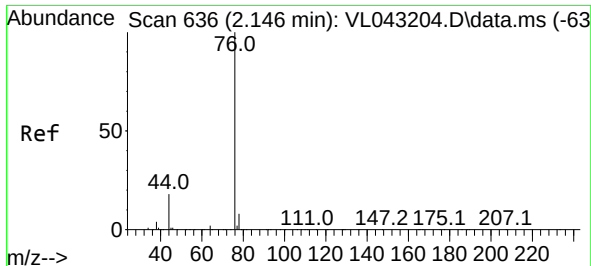
Tgt Ion:	43	Resp:	22441
Ion	Ratio	Lower	Upper
43	100		
45	14.0	8.1	12.1#
61	8.7	7.0	10.4
70	12.7	7.0	10.6#



#26
Hexane
Concen: 0.539 ppbv
RT: 2.820 min Scan# 844
Delta R.T. -0.000 min
Lab File: VL043318.D
Acq: 08 Dec 2025 18:11

Tgt Ion:	57	Resp:	9660
Ion	Ratio	Lower	Upper
57	100		
41	106.0	74.6	111.8
43	238.1	179.0	268.4
56	60.3	42.3	63.5





#27

Carbon Disulfide

Concen: 0.032 ppbv

RT: 2.146 min Scan# 61

Delta R.T. -0.000 min

Lab File: VL043318.D

Acq: 08 Dec 2025 18:11

Instrument :

MSVOA_L

ClientSampleId :

IA2

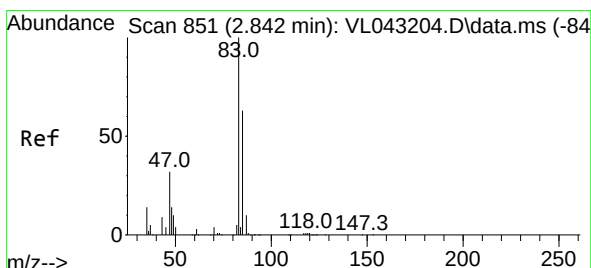
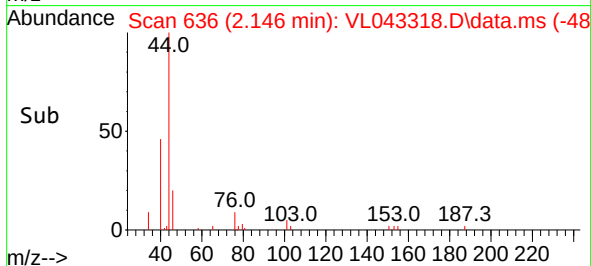
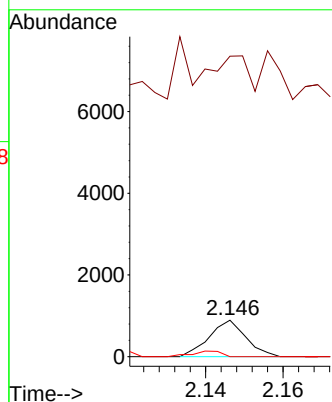
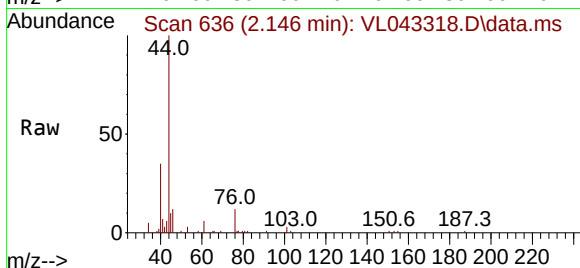
Tgt Ion: 76 Resp: 589

Ion Ratio Lower Upper

76 100

44 356.9 16.1 24.1#

78 19.7 9.6 14.4#



#29

Chloroform

Concen: 4.242 ppbv

RT: 2.839 min Scan# 850

Delta R.T. -0.003 min

Lab File: VL043318.D

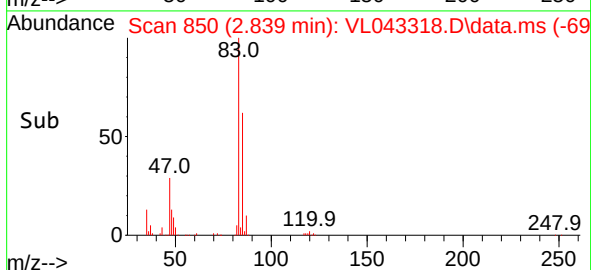
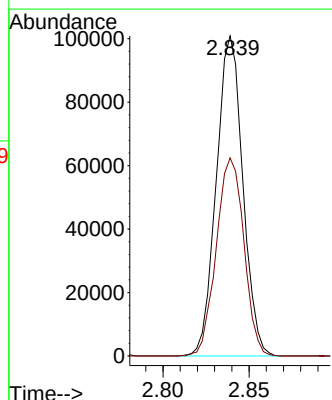
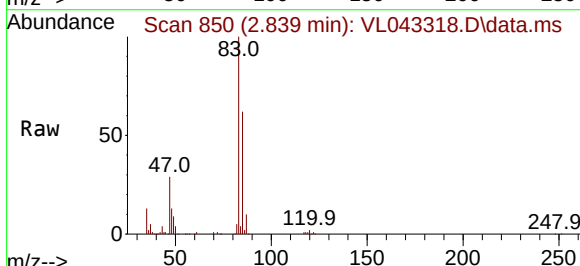
Acq: 08 Dec 2025 18:11

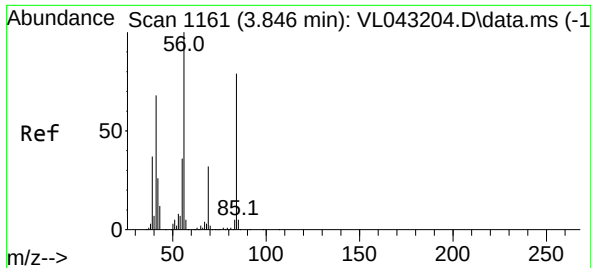
Tgt Ion: 83 Resp: 108046

Ion Ratio Lower Upper

83 100

85 61.9 50.5 75.7

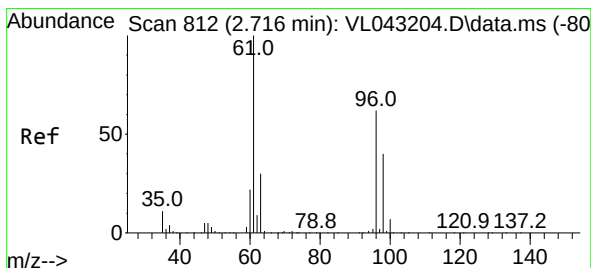
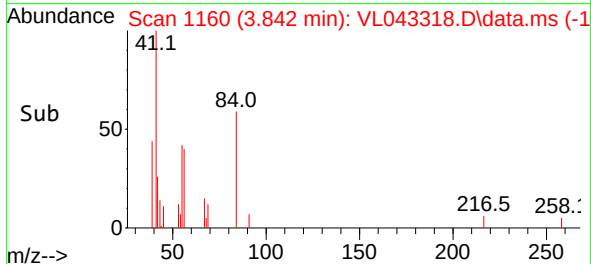
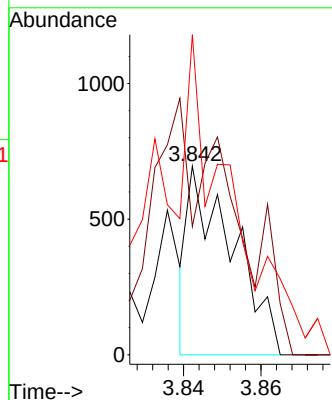
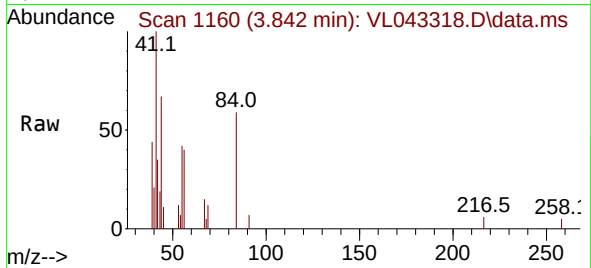




#30
Cyclohexane
Concen: 0.037 ppbv
RT: 3.842 min Scan# 1161
Delta R.T. -0.003 min
Lab File: VL043318.D
Acq: 08 Dec 2025 18:11

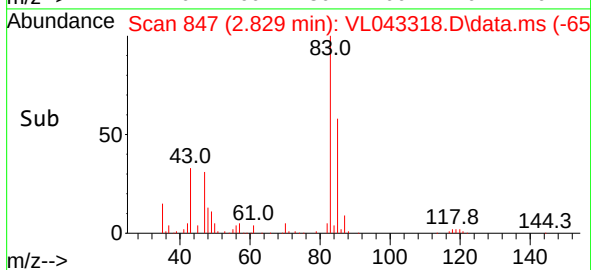
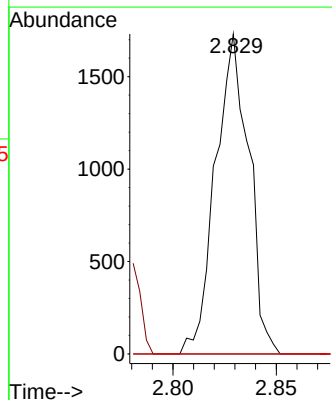
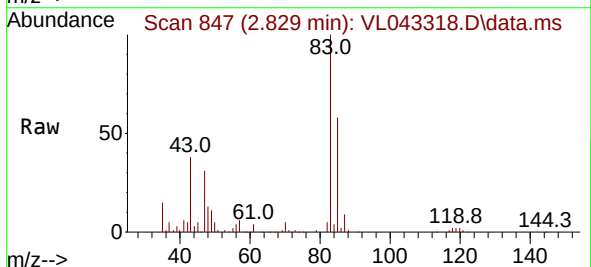
Instrument :
MSVOA_L
ClientSampleId :
IA2

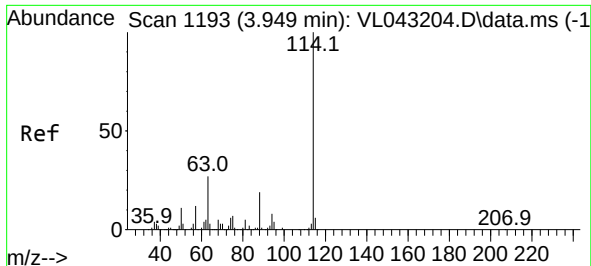
Tgt Ion: 84 Resp: 563
Ion Ratio Lower Upper
84 100
56 287.0 104.7 157.1#
41 287.4 69.0 103.6#



#31
cis-1,2-Dichloroethene
Concen: 0.109 ppbv
RT: 2.829 min Scan# 847
Delta R.T. 0.113 min
Lab File: VL043318.D
Acq: 08 Dec 2025 18:11

Tgt Ion: 61 Resp: 1950
Ion Ratio Lower Upper
61 100
96 0.0 49.3 73.9#
98 0.0 32.1 48.1#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.943 min Scan# 1191

Delta R.T. -0.007 min

Lab File: VL043318.D

Acq: 08 Dec 2025 18:11

Instrument :

MSVOA_L

ClientSampleId :

IA2

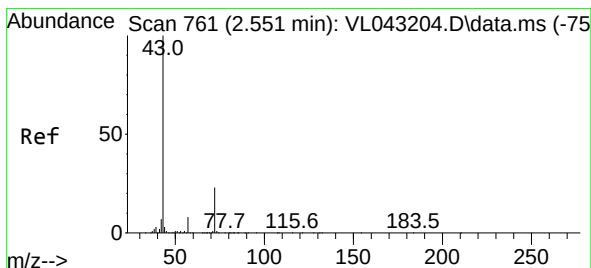
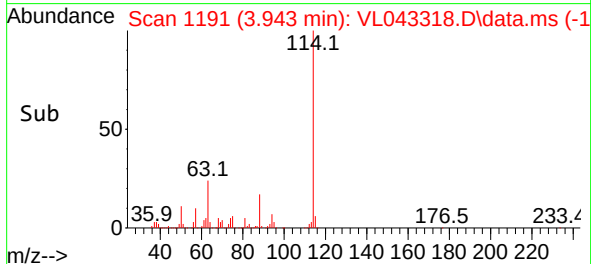
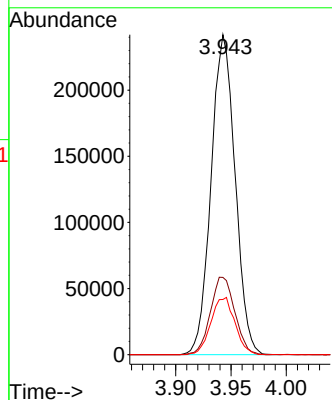
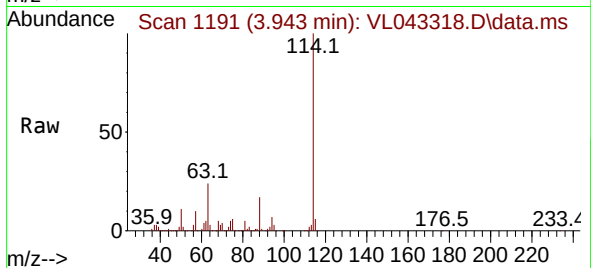
Tgt Ion:114 Resp: 365129

Ion Ratio Lower Upper

114 100

63 24.7 21.0 31.6

88 18.0 14.9 22.3



#34

2-Butanone

Concen: 1.645 ppbv

RT: 2.548 min Scan# 760

Delta R.T. -0.003 min

Lab File: VL043318.D

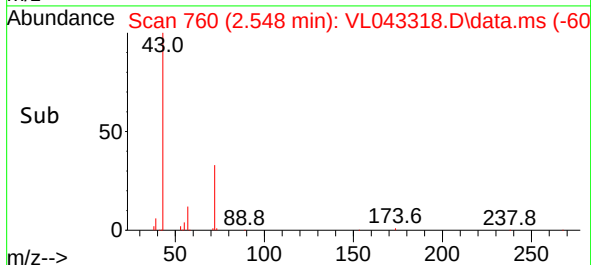
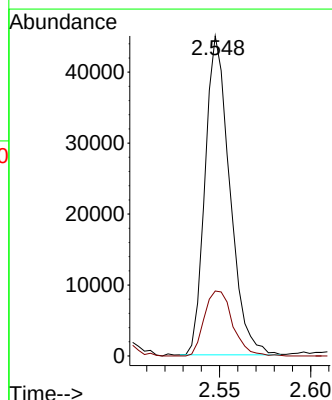
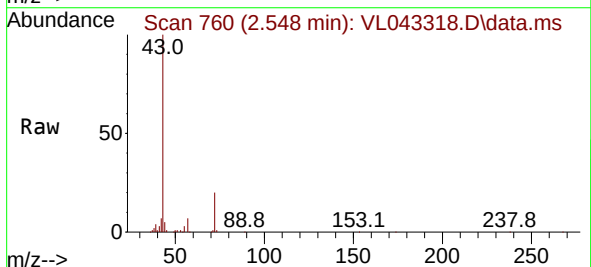
Acq: 08 Dec 2025 18:11

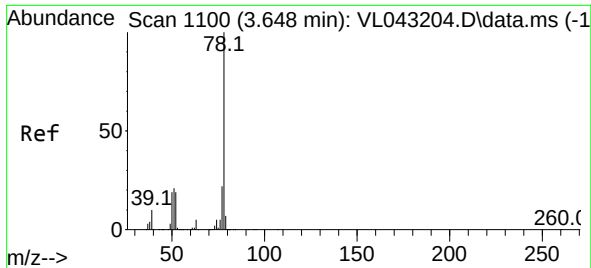
Tgt Ion: 43 Resp: 42408

Ion Ratio Lower Upper

43 100

72 23.3 18.1 27.1

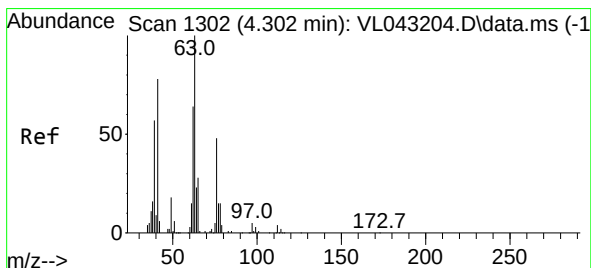
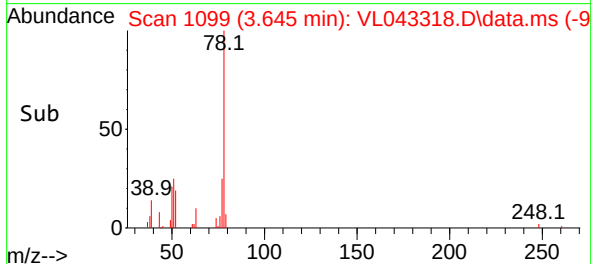
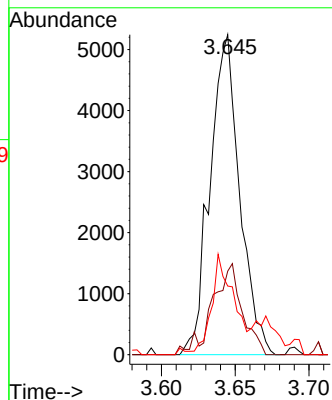
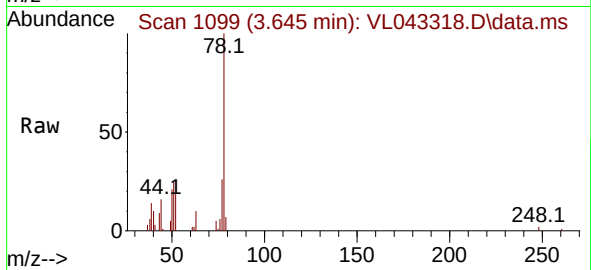




#36
Benzene
Concen: 0.210 ppbv
RT: 3.645 min Scan# 1100
Delta R.T. -0.003 min
Lab File: VL043318.D
Acq: 08 Dec 2025 18:11

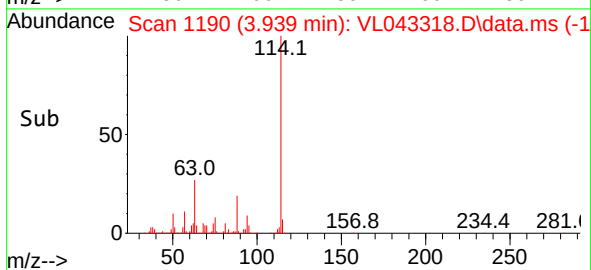
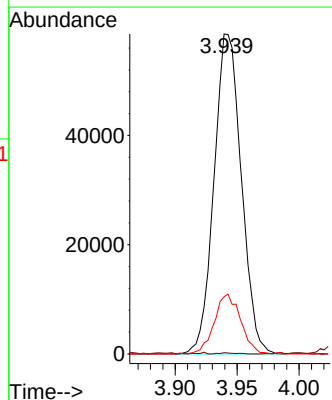
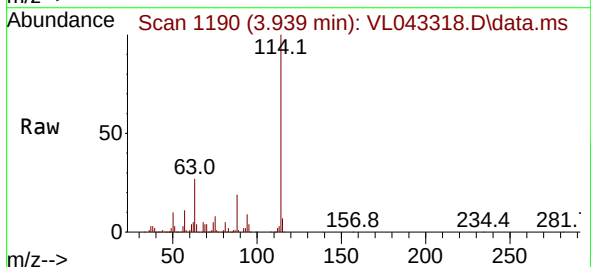
Instrument :
MSVOA_L
ClientSampleId :
IA2

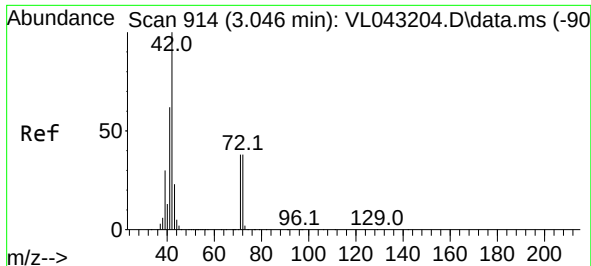
Tgt Ion: 78	Resp: 7357
Ion Ratio	Lower Upper
78 100	
77 26.1	17.5 26.3
50 19.5	15.5 23.3



#39
1,2-Dichloropropane
Concen: 7.030 ppbv
RT: 3.939 min Scan# 1190
Delta R.T. -0.363 min
Lab File: VL043318.D
Acq: 08 Dec 2025 18:11

Tgt Ion: 63	Resp: 89973
Ion Ratio	Lower Upper
63 100	
41 0.3	62.6 93.8#
62 17.5	51.0 76.6#

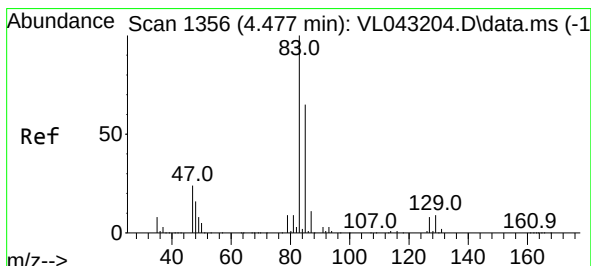
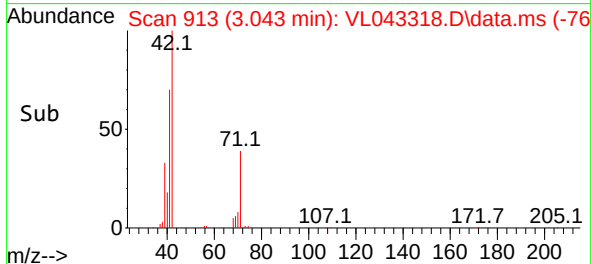
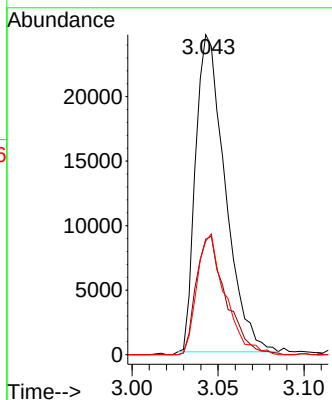
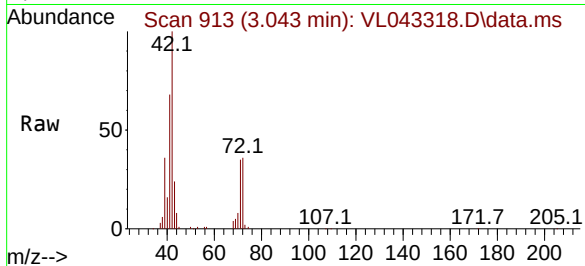




#41
Tetrahydrofuran
Concen: 2.066 ppbv
RT: 3.043 min Scan# 914
Delta R.T. -0.003 min
Lab File: VL043318.D
Acq: 08 Dec 2025 18:11

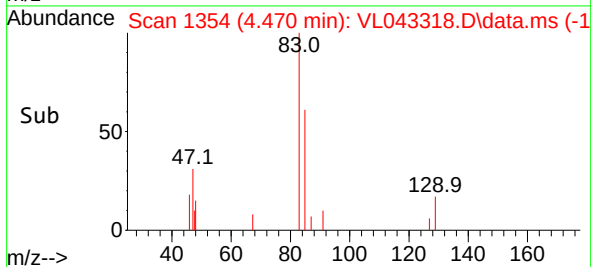
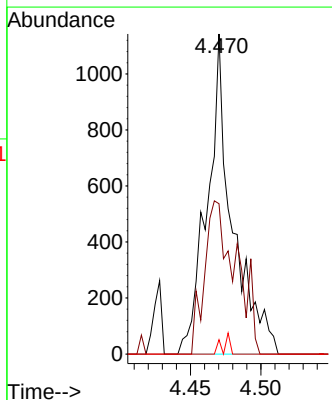
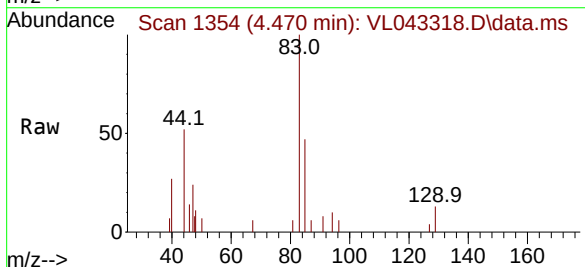
Instrument :
MSVOA_L
ClientSampleId :
IA2

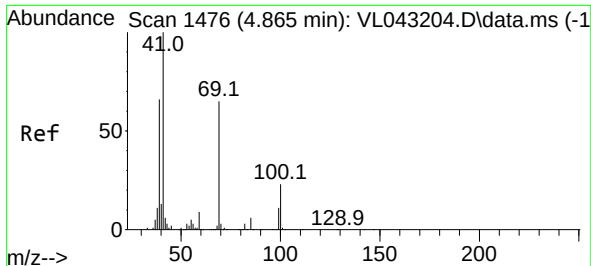
Tgt Ion: 42 Resp: 29405
Ion Ratio Lower Upper
42 100
72 37.6 30.6 46.0
71 36.2 30.5 45.7



#42
Bromodichloromethane
Concen: 0.050 ppbv
RT: 4.470 min Scan# 1354
Delta R.T. -0.007 min
Lab File: VL043318.D
Acq: 08 Dec 2025 18:11

Tgt Ion: 83 Resp: 1415
Ion Ratio Lower Upper
83 100
85 47.0 51.7 77.5#
127 4.5 6.3 9.5#

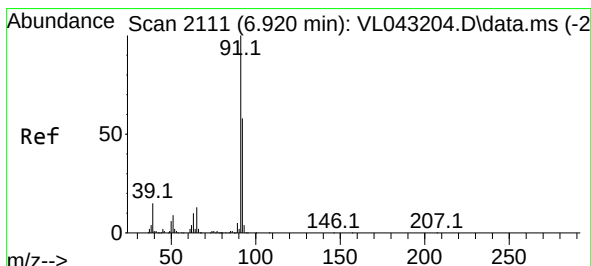
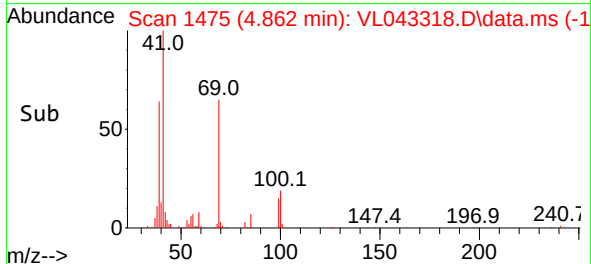
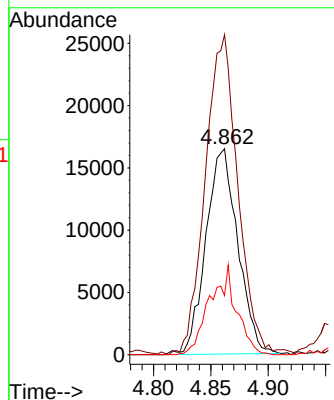
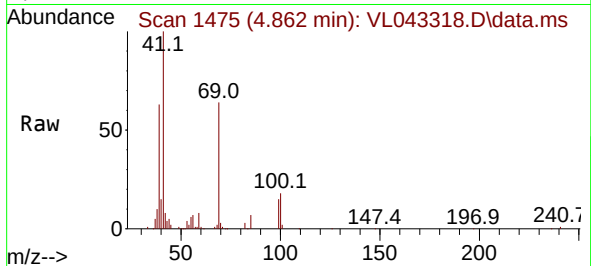




#43
Methyl Methacrylate
Concen: 1.713 ppbv
RT: 4.862 min Scan# 1476
Delta R.T. -0.003 min
Lab File: VL043318.D
Acq: 08 Dec 2025 18:11

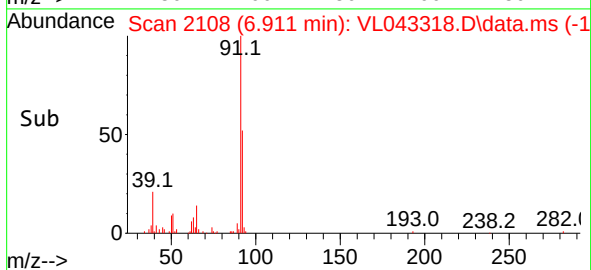
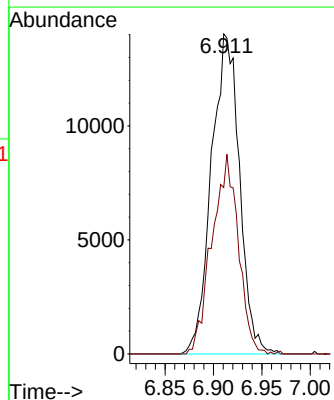
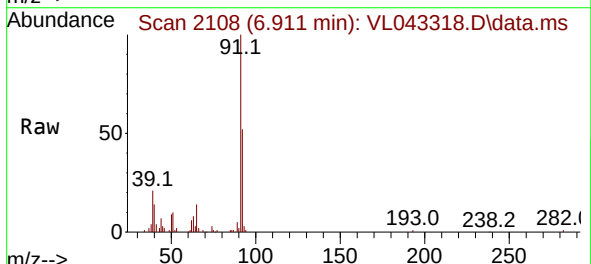
Instrument :
MSVOA_L
ClientSampleId :
IA2

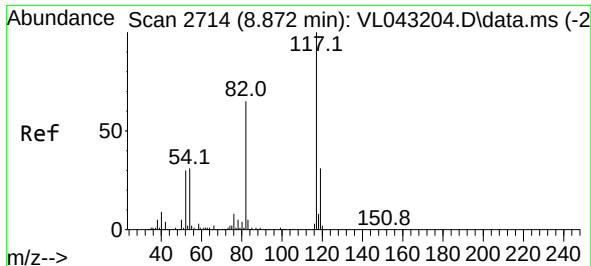
Tgt Ion: 69 Resp: 31796
Ion Ratio Lower Upper
69 100
41 159.9 126.7 190.1
100 36.6 28.6 43.0



#53
Toluene
Concen: 0.682 ppbv
RT: 6.911 min Scan# 2108
Delta R.T. -0.010 min
Lab File: VL043318.D
Acq: 08 Dec 2025 18:11

Tgt Ion: 91 Resp: 28236
Ion Ratio Lower Upper
91 100
92 58.8 47.4 71.0

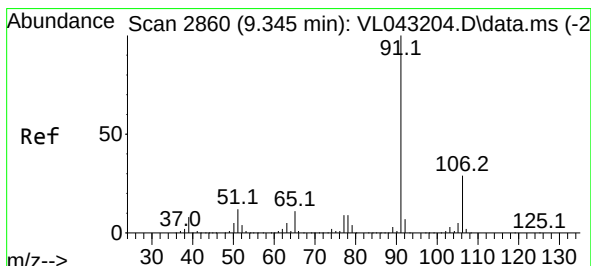
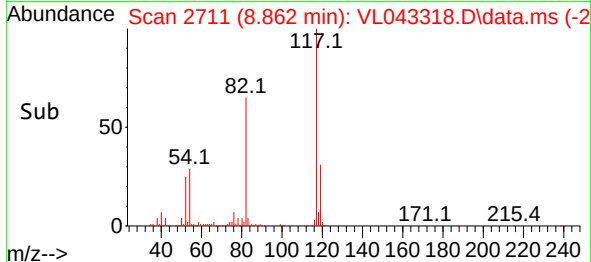
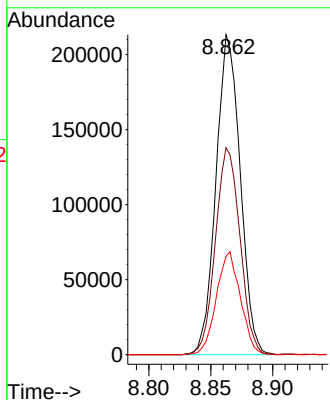
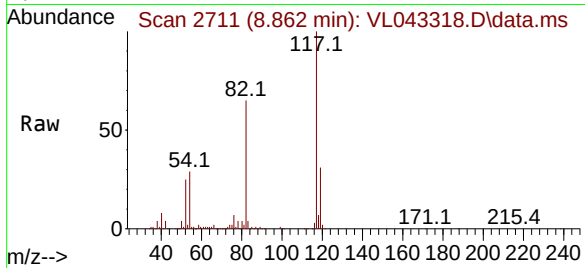




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.862 min Scan# 21
Delta R.T. -0.010 min
Lab File: VL043318.D
Acq: 08 Dec 2025 18:11

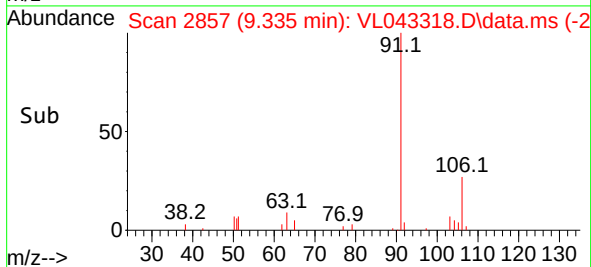
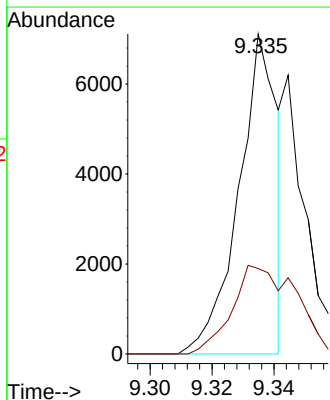
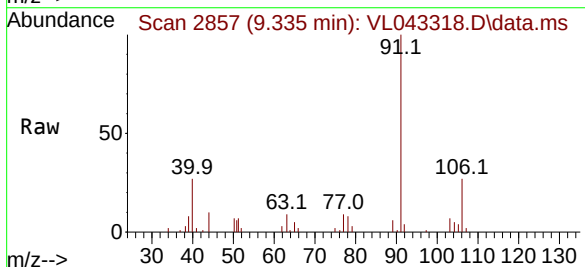
Instrument :
MSVOA_L
ClientSampleId :
IA2

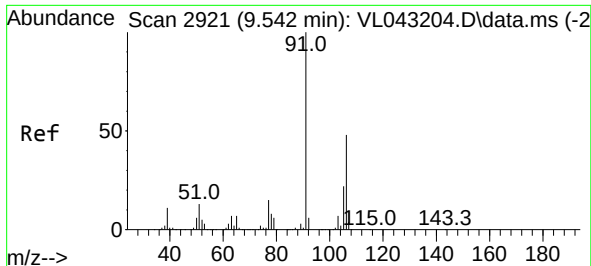
Tgt Ion:117 Resp: 291200
Ion Ratio Lower Upper
117 100
82 65.5 56.1 84.1
119 31.9 25.0 37.6



#58
Ethyl Benzene
Concen: 0.109 ppbv
RT: 9.335 min Scan# 2857
Delta R.T. -0.010 min
Lab File: VL043318.D
Acq: 08 Dec 2025 18:11

Tgt Ion: 91 Resp: 6109
Ion Ratio Lower Upper
91 100
106 26.7 22.8 34.2





#59

m/p-Xylene

Concen: 0.195 ppbv

RT: 9.536 min Scan# 2921

Delta R.T. -0.007 min

Lab File: VL043318.D

Acq: 08 Dec 2025 18:11

Instrument :

MSVOA_L

ClientSampleId :

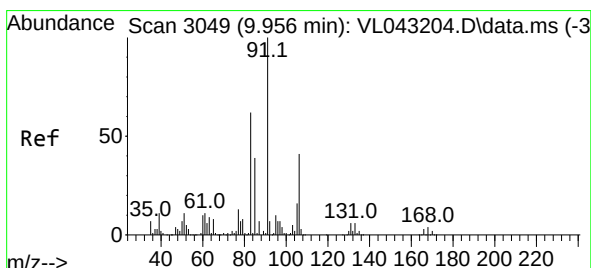
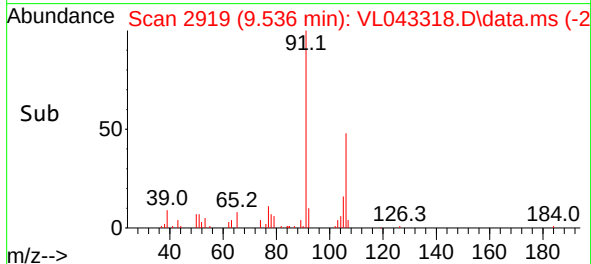
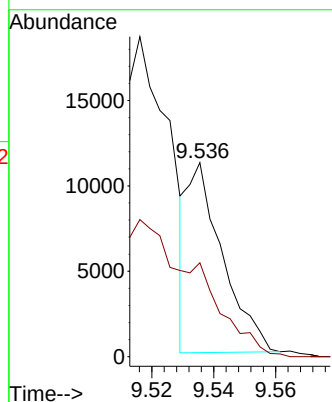
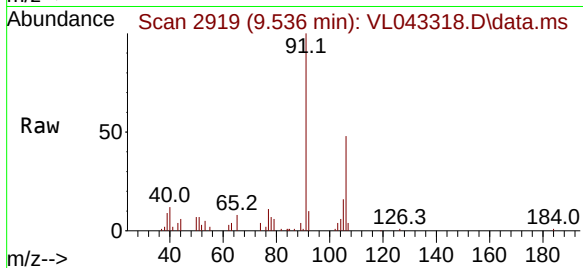
IA2

Tgt Ion: 91 Resp: 8777

Ion Ratio Lower Upper

91 100

106 0.0 36.1 54.1#



#60

o-Xylene

Concen: 0.277 ppbv

RT: 9.947 min Scan# 3046

Delta R.T. -0.010 min

Lab File: VL043318.D

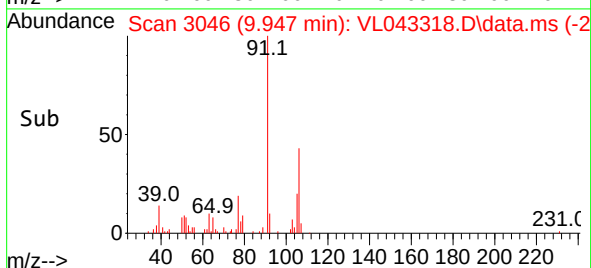
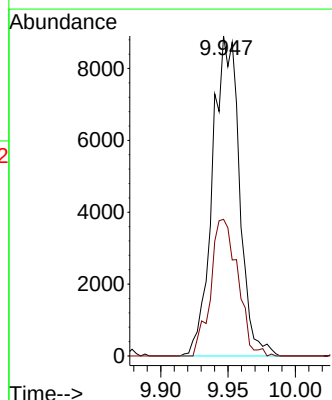
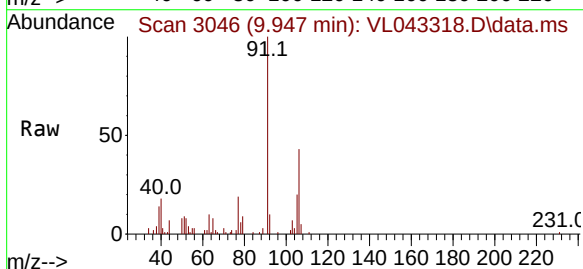
Acq: 08 Dec 2025 18:11

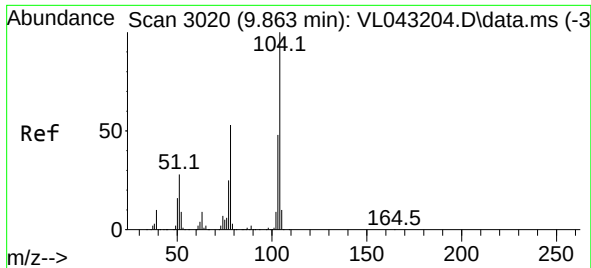
Tgt Ion: 91 Resp: 12433

Ion Ratio Lower Upper

91 100

106 42.8 20.9 62.8

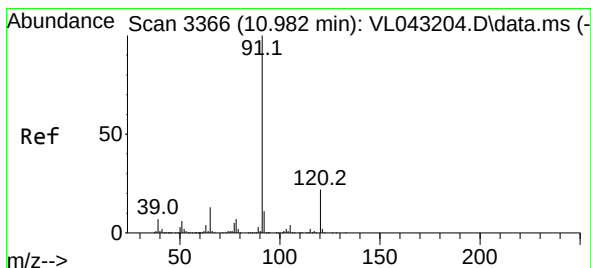
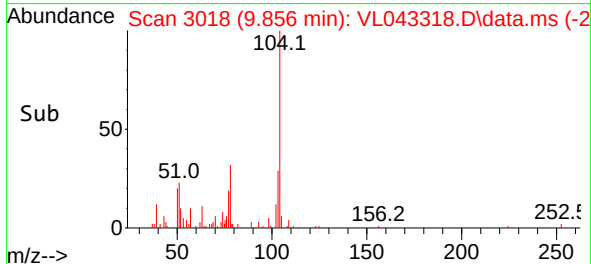
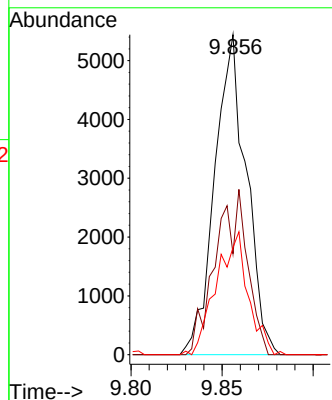
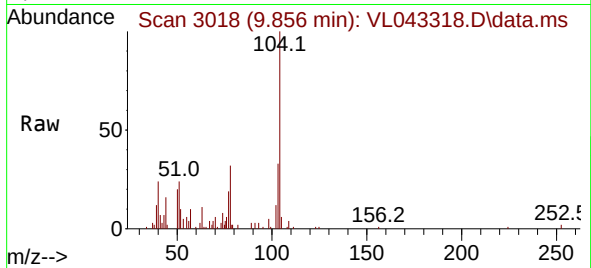




#61
Styrene
Concen: 0.334 ppbv
RT: 9.856 min Scan# 3020
Delta R.T. -0.007 min
Lab File: VL043318.D
Acq: 08 Dec 2025 18:11

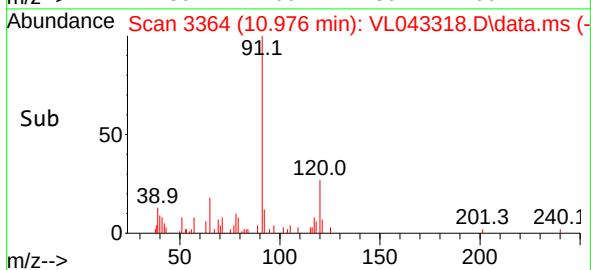
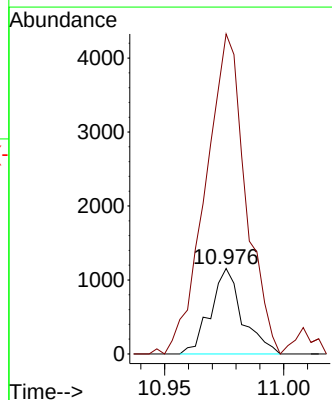
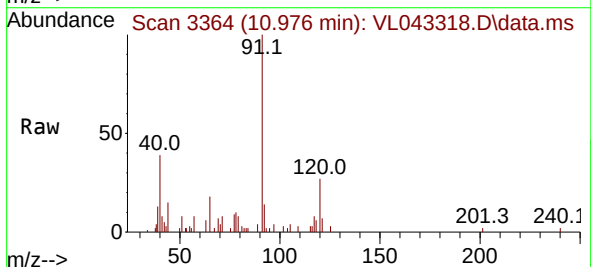
Instrument :
MSVOA_L
ClientSampleId :
IA2

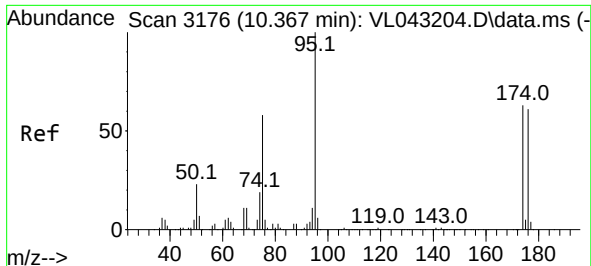
Tgt Ion:104 Resp: 6568
Ion Ratio Lower Upper
104 100
78 52.1 42.1 63.1
103 38.7 37.2 55.8



#64
n-propylbenzene
Concen: 0.052 ppbv
RT: 10.976 min Scan# 3364
Delta R.T. -0.007 min
Lab File: VL043318.D
Acq: 08 Dec 2025 18:11

Tgt Ion:120 Resp: 1072
Ion Ratio Lower Upper
120 100
91 519.7 377.1 565.7

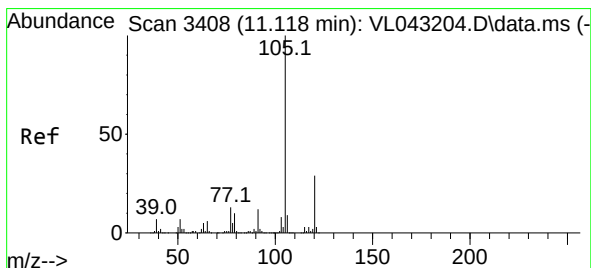
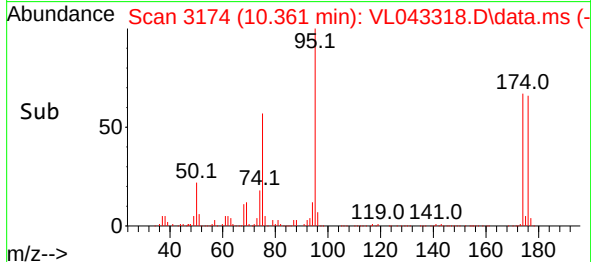
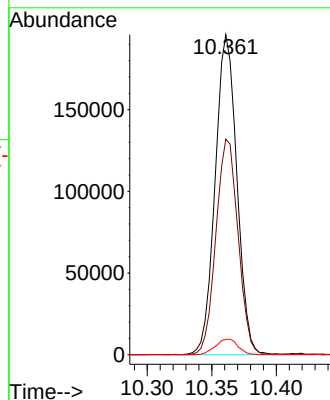
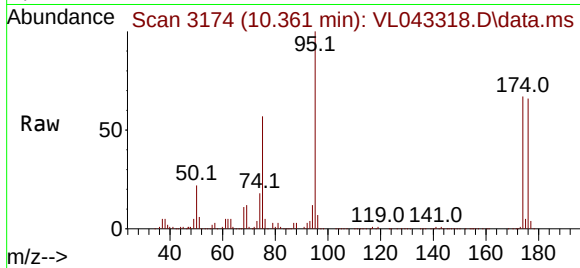




#68
1-Bromo-4-Fluorobenzene
Concen: 10.725 ppbv
RT: 10.361 min Scan# 3176
Delta R.T. -0.007 min
Lab File: VL043318.D
Acq: 08 Dec 2025 18:11

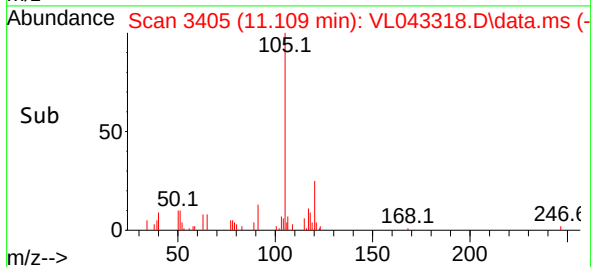
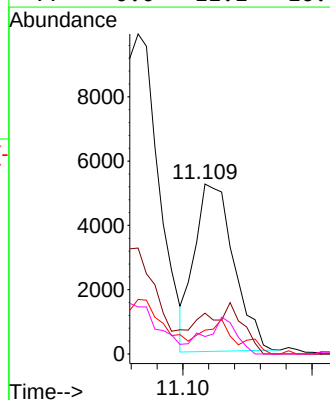
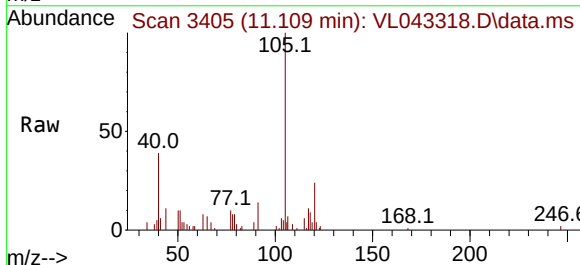
Instrument :
MSVOA_1
ClientSampleId :
IA2

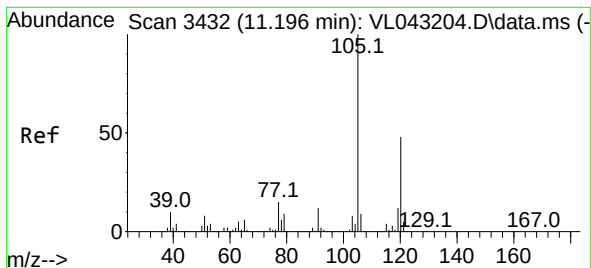
Tgt Ion: 95 Resp: 228919
Ion Ratio Lower Upper
95 100
174 68.8 50.2 75.2
175 5.0 4.1 6.1



#72
4-Ethyltoluene
Concen: 0.101 ppbv
RT: 11.109 min Scan# 3405
Delta R.T. -0.010 min
Lab File: VL043318.D
Acq: 08 Dec 2025 18:11

Tgt Ion: 105 Resp: 5530
Ion Ratio Lower Upper
105 100
120 0.0 23.8 35.8#
91 0.0 10.3 15.5#
77 0.0 11.1 16.7#





#73

1,3,5-Trimethylbenzene

Concen: 0.096 ppbv

RT: 11.189 min Scan# 34

Delta R.T. -0.007 min

Lab File: VL043318.D

Acq: 08 Dec 2025 18:11

Instrument :

MSVOA_L

ClientSampleId :

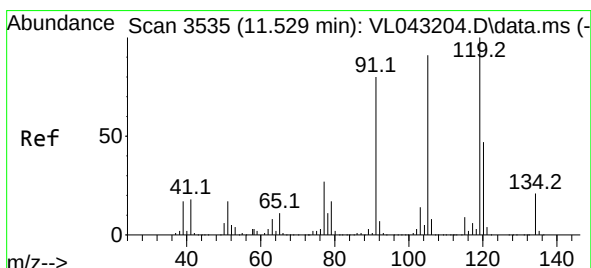
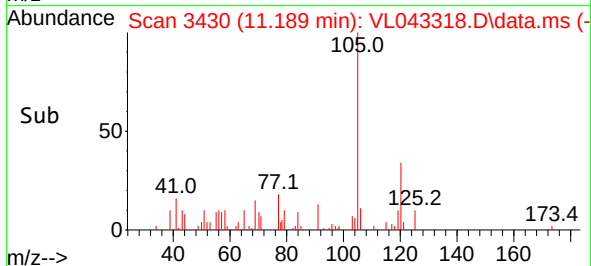
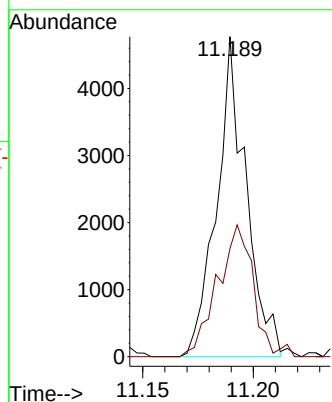
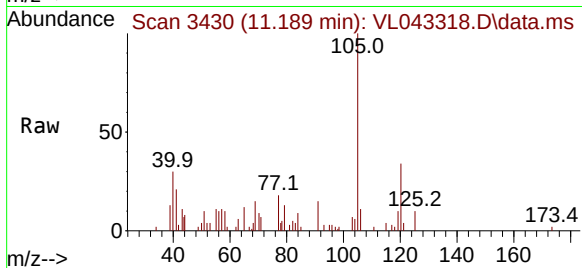
IA2

Tgt Ion:105 Resp: 4413

Ion Ratio Lower Upper

105 100

120 33.8 38.6 57.8#



#74

1,2,4-Trimethylbenzene

Concen: 0.217 ppbv

RT: 11.526 min Scan# 3534

Delta R.T. -0.003 min

Lab File: VL043318.D

Acq: 08 Dec 2025 18:11

Tgt Ion:105 Resp: 10850

Ion Ratio Lower Upper

105 100

120 40.0 41.7 62.5#

91 12.9 70.0 105.0#

77 10.6 23.8 35.8#

