

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111925\
 Data File : VL043246.D
 Acq On : 19 Nov 2025 18:55
 Operator : SY/MD
 Sample : Q3626-12 2X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 16-SG-1

Quant Time: Nov 20 00:09:15 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)

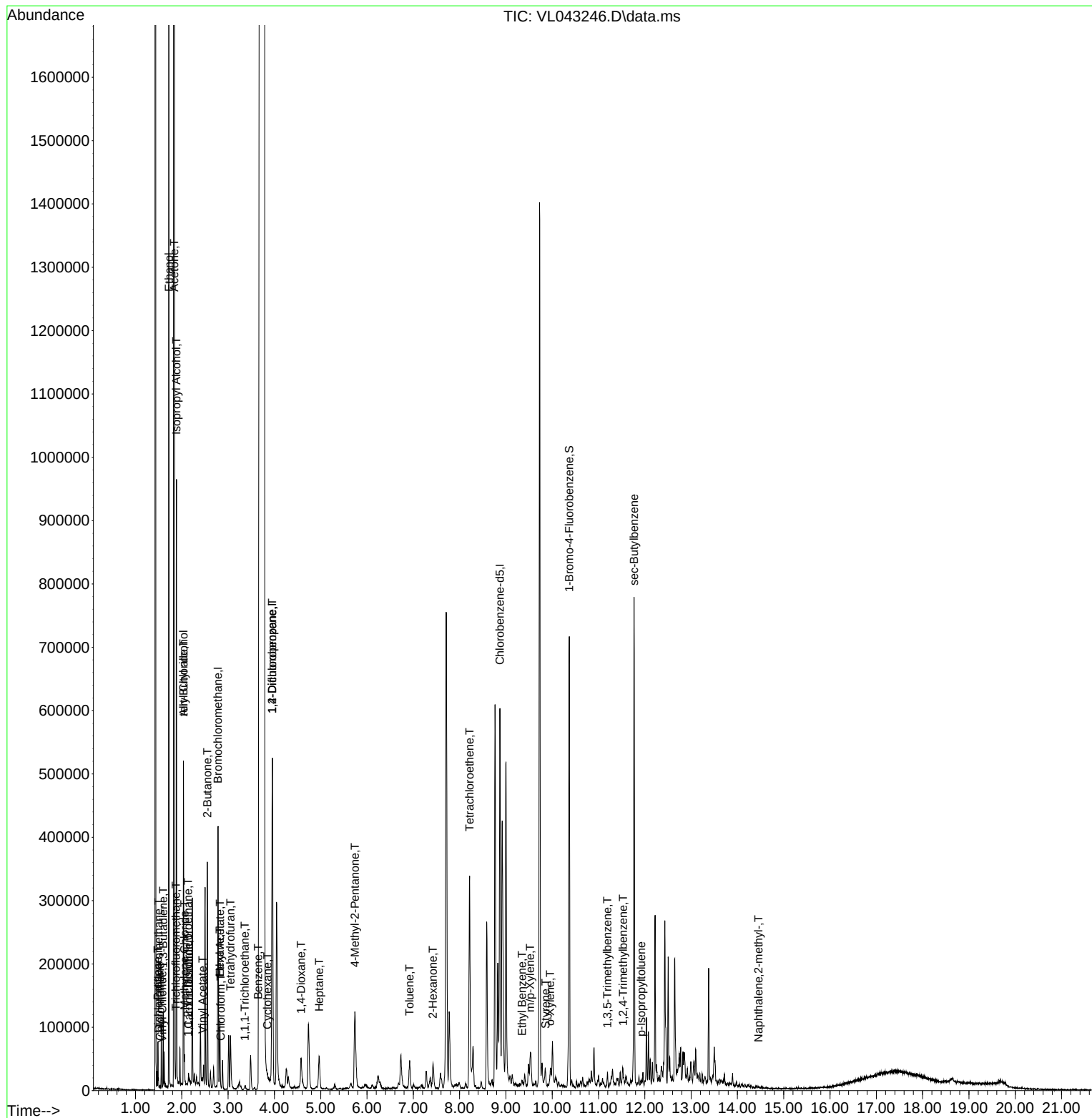
Internal Standards						
1) Bromochloromethane	2.780	49	107506	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	305536	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.868	117	246745	10.000	ppbv	0.00

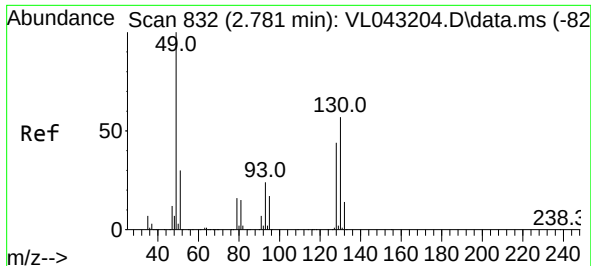
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.367	95	178880	9.890	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.900%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	4013	0.265	ppbv	99
4) Chloromethane	1.531	50	589	0.104	ppbv #	79
5) Vinyl Chloride	1.580	62	189	0.030	ppbv #	65
9) Propene	1.482	41	9652	1.524	ppbv #	86
10) Heptane	4.965	43	21077	1.118	ppbv	91
11) Trichlorofluoromethane	1.874	101	1783	0.121	ppbv	90
12) 1,1,2-Trichlorotrifluo...	2.136	101	355	0.031	ppbv #	12
13) Ethanol	1.722	45	782847	351.579	ppbv	98
15) Acetone	1.835	43	4713258	315.559	ppbv #	26
16) 1,3-Butadiene	1.599	39	11929	1.791	ppbv #	22
17) tert-Butyl alcohol	2.036	59	201360	10.271	ppbv	99
19) Isopropyl Alcohol	1.884	45	369187	43.742	ppbv #	36
20) Methylene Chloride	2.059	84	6888	0.847	ppbv	88
21) Allyl Chloride	2.036	41	51136	5.089	ppbv #	62
23) Vinyl Acetate	2.447	43	7506	0.416	ppbv #	84
25) Ethyl Acetate	2.822	43	18138	0.563	ppbv #	81
26) Hexane	2.819	57	25163	1.782	ppbv #	42
27) Carbon Disulfide	2.146	76	7909	0.549	ppbv #	72
29) Chloroform	2.842	83	958	0.048	ppbv	94
30) Cyclohexane	3.852	84	453	0.038	ppbv #	1
32) 1,1,1-Trichloroethane	3.363	97	1150	0.054	ppbv #	53
34) 2-Butanone	2.551	43	204250	9.470	ppbv	99
36) Benzene	3.651	78	4837	0.165	ppbv #	84
39) 1,2-Dichloropropane	3.955	63	76667	7.159	ppbv #	24
40) 1,4-Dioxane	4.577	88	27891	5.793	ppbv #	90
41) Tetrahydrofuran	3.052	42	17731	1.489	ppbv #	51
50) 4-Methyl-2-Pentanone	5.739	43	62912	2.071	ppbv #	60
51) 2-Hexanone	7.425	43	23719	1.005	ppbv #	96
52) Tetrachloroethene	8.215	164	56759	5.215	ppbv	98
53) Toluene	6.920	91	30132	0.870	ppbv	98
58) Ethyl Benzene	9.347	91	2729	0.057	ppbv	98
59) m/p-Xylene	9.522	91	16446	0.432	ppbv	99
60) o-Xylene	9.956	91	5915	0.156	ppbv	95
61) Styrene	9.859	104	1623	0.097	ppbv #	53
67) sec-Butylbenzene	11.765	105	3203	0.038	ppbv #	1
69) p-Isopropyltoluene	11.921	119	2340	0.033	ppbv #	85
73) 1,3,5-Trimethylbenzene	11.192	105	2175	0.056	ppbv	88
74) 1,2,4-Trimethylbenzene	11.529	105	4674	0.110	ppbv #	55
80) Naphthalene,2-methyl-	14.455	142	468	0.047	ppbv	87

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

Quant Time: Nov 20 00:09:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Nov 19 01:11:25 2025
Response via : Initial Calibration

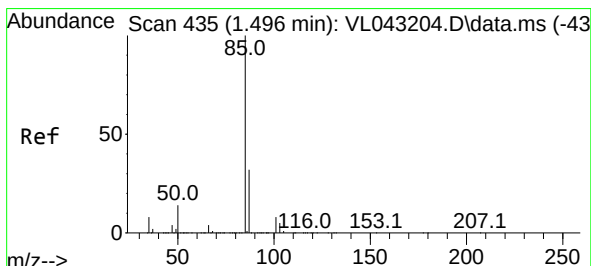
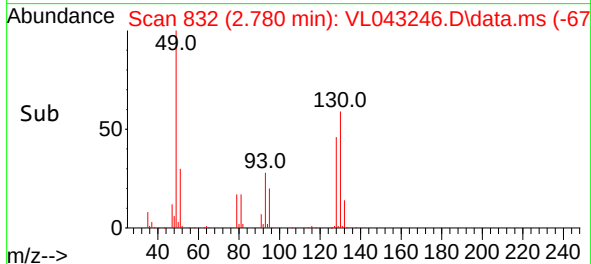
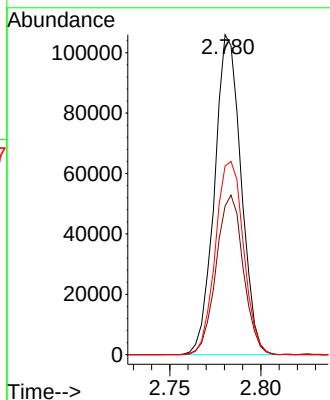
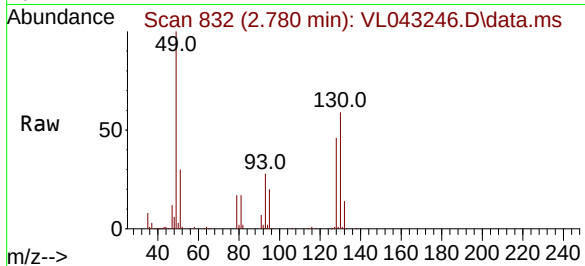




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.780 min Scan# 81
Delta R.T. -0.001 min
Lab File: VL043246.D
Acq: 19 Nov 2025 18:55

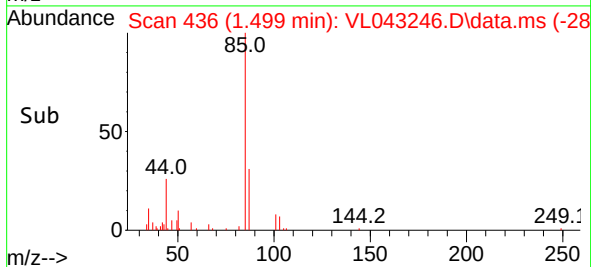
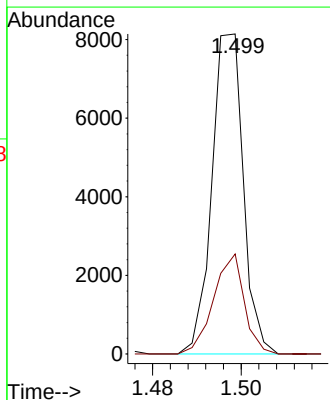
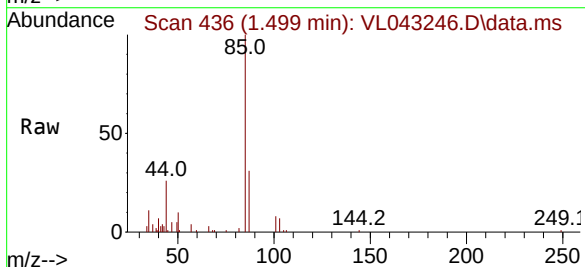
Instrument :
MSVOA_L
ClientSampleId :
16-SG-1

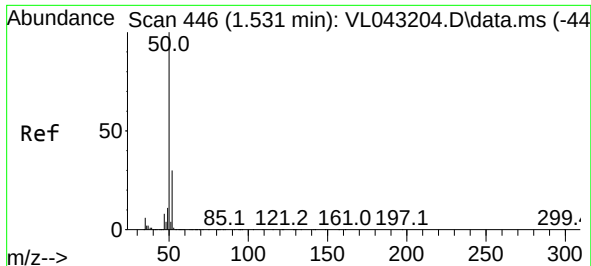
Tgt Ion: 49 Resp: 107506
Ion Ratio Lower Upper
49 100
128 51.0 23.0 69.0
130 63.9 29.9 89.7



#2
Dichlorodifluoromethane
Concen: 0.265 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.003 min
Lab File: VL043246.D
Acq: 19 Nov 2025 18:55

Tgt Ion: 85 Resp: 4013
Ion Ratio Lower Upper
85 100
87 31.3 25.4 38.2

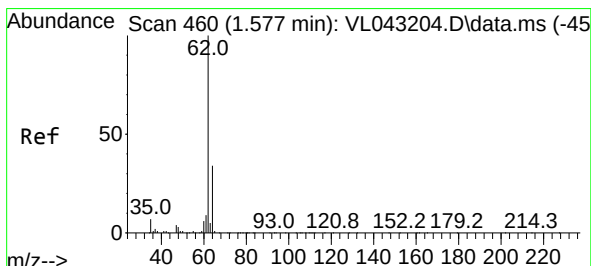
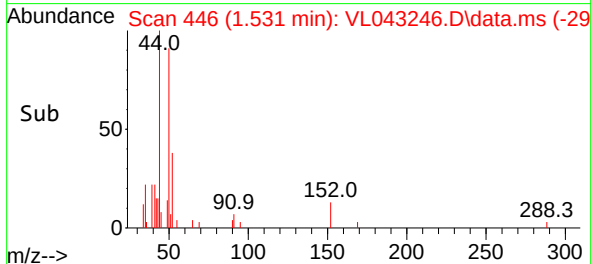
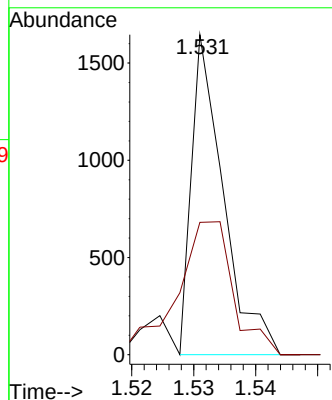
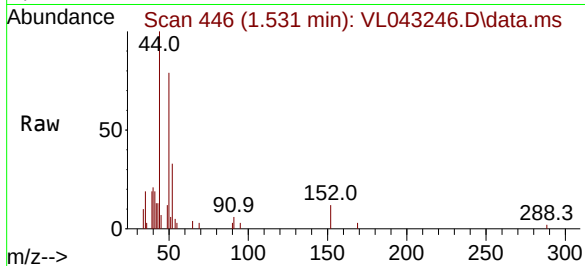




#4
Chloromethane
Concen: 0.104 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL043246.D
Acq: 19 Nov 2025 18:55

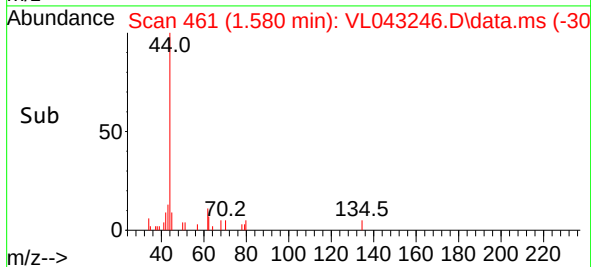
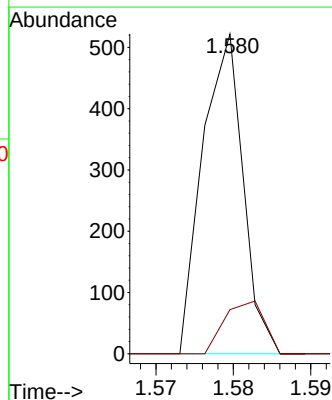
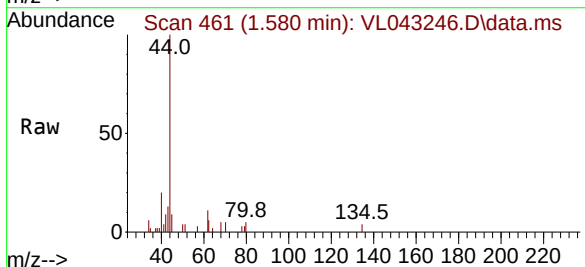
Instrument :
MSVOA_L
ClientSampleId :
16-SG-1

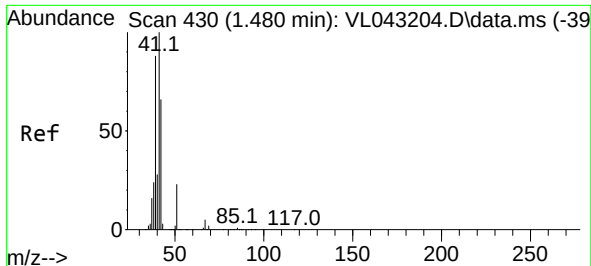
Tgt Ion: 50 Resp: 589
Ion Ratio Lower Upper
50 100
52 41.4 24.1 36.1#



#5
Vinyl Chloride
Concen: 0.030 ppbv
RT: 1.580 min Scan# 461
Delta R.T. 0.003 min
Lab File: VL043246.D
Acq: 19 Nov 2025 18:55

Tgt Ion: 62 Resp: 189
Ion Ratio Lower Upper
62 100
64 13.8 27.3 40.9#

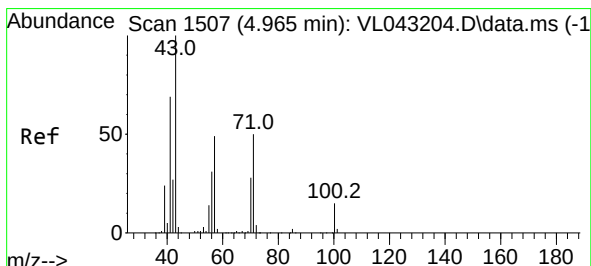
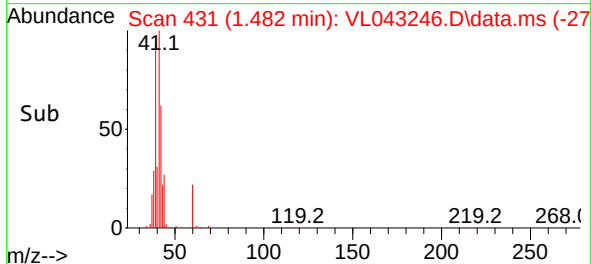
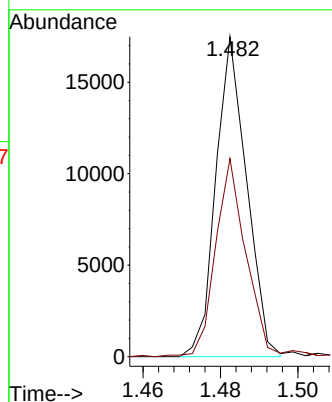
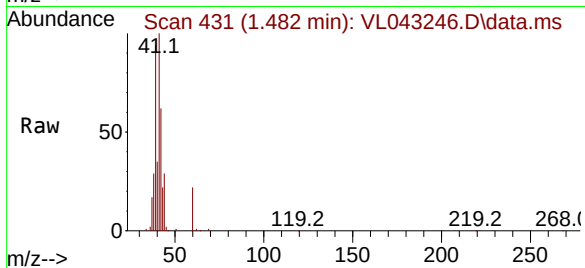




#9
Propene
Concen: 1.524 ppbv
RT: 1.482 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL043246.D
Acq: 19 Nov 2025 18:55

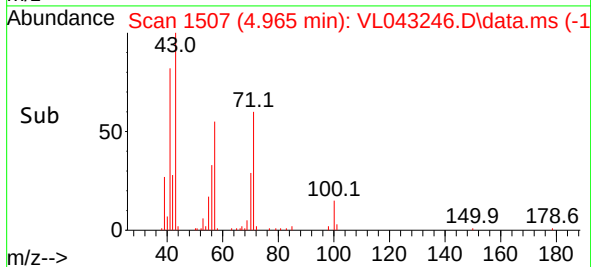
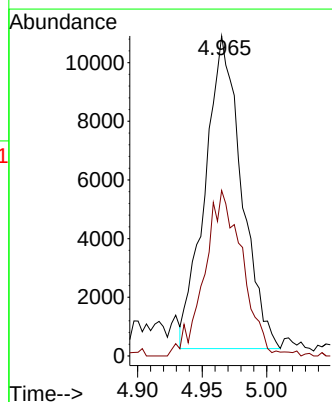
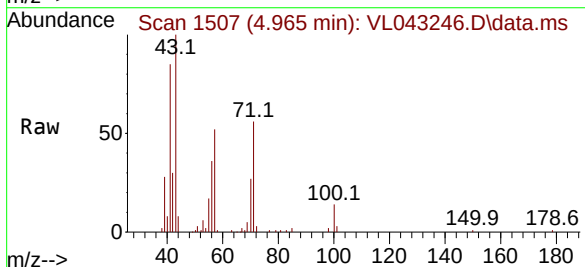
Instrument :
MSVOA_1
ClientSampleId :
16-SG-1

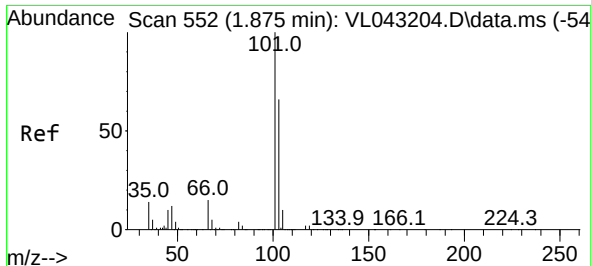
Tgt Ion: 41 Resp: 9652
Ion Ratio Lower Upper
41 100
42 0.0 3.7 5.5#



#10
Heptane
Concen: 1.118 ppbv
RT: 4.965 min Scan# 1507
Delta R.T. -0.000 min
Lab File: VL043246.D
Acq: 19 Nov 2025 18:55

Tgt Ion: 43 Resp: 21077
Ion Ratio Lower Upper
43 100
57 55.9 39.7 59.5

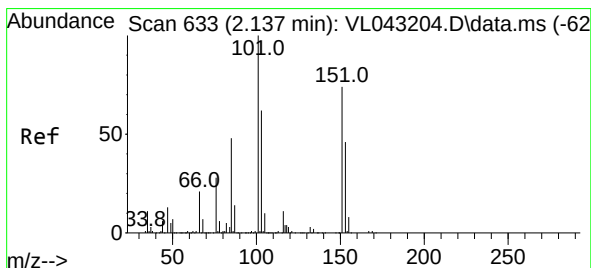
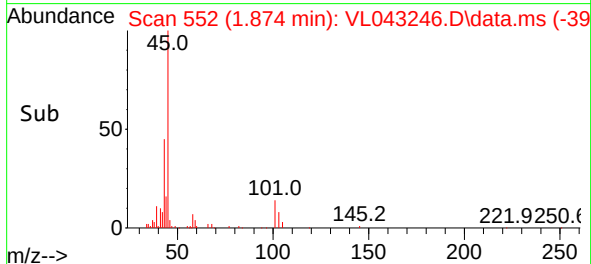
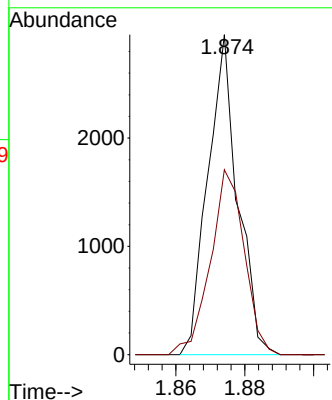
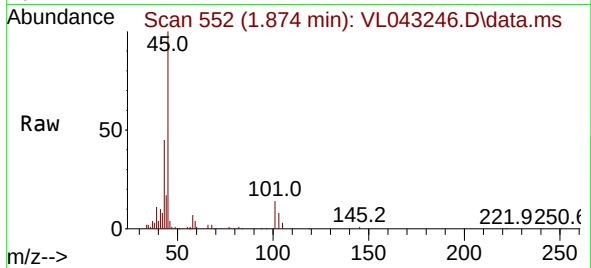




#11
 Trichlorofluoromethane
 Concen: 0.121 ppbv
 RT: 1.874 min Scan# 511
 Delta R.T. -0.000 min
 Lab File: VL043246.D
 Acq: 19 Nov 2025 18:55

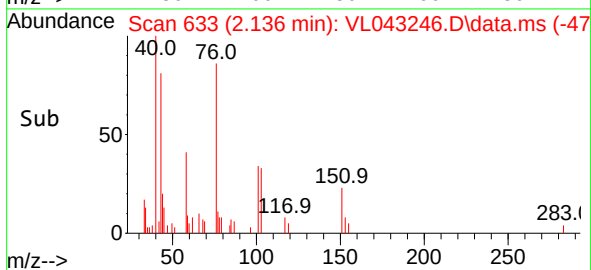
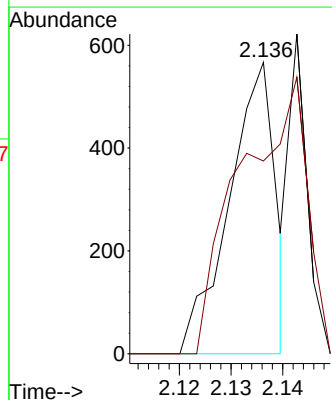
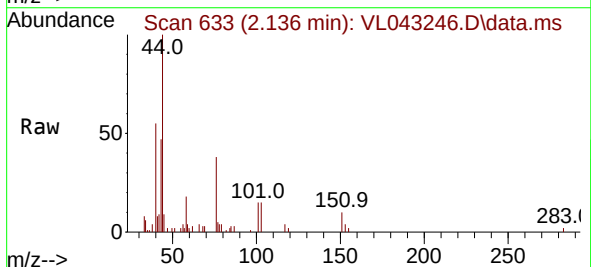
Instrument :
 MSVOA_L
 ClientSampleId :
 16-SG-1

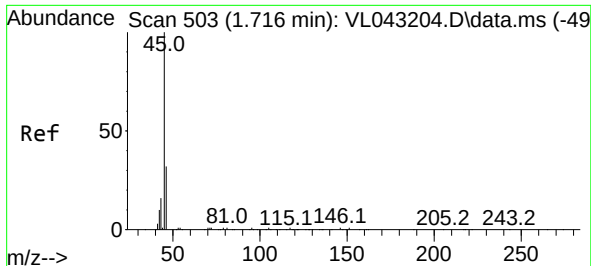
Tgt Ion:101 Resp: 1783
 Ion Ratio Lower Upper
 101 100
 103 57.8 52.6 79.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.031 ppbv
 RT: 2.136 min Scan# 633
 Delta R.T. -0.000 min
 Lab File: VL043246.D
 Acq: 19 Nov 2025 18:55

Tgt Ion:101 Resp: 355
 Ion Ratio Lower Upper
 101 100
 151 0.0 59.2 88.8#

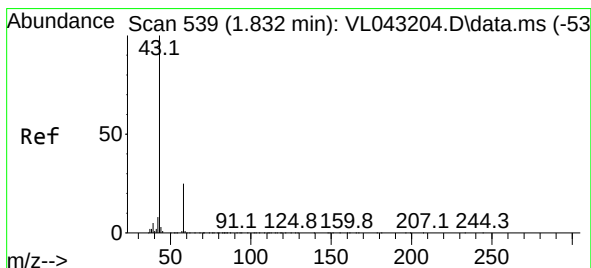
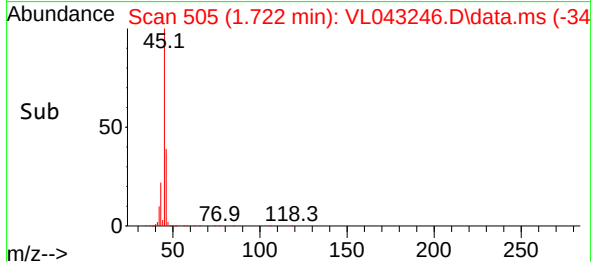
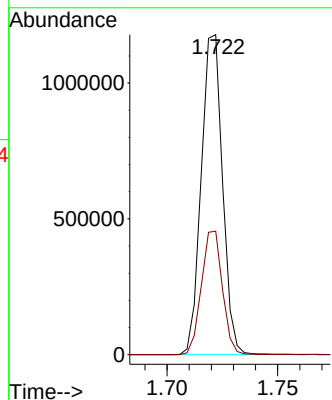
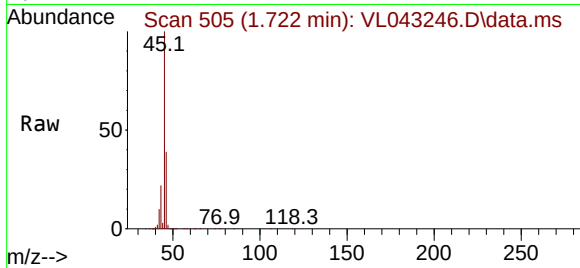




#13
 Ethanol
 Concen: 351.579 ppbv
 RT: 1.722 min Scan# 50
 Delta R.T. 0.006 min
 Lab File: VL043246.D
 Acq: 19 Nov 2025 18:55

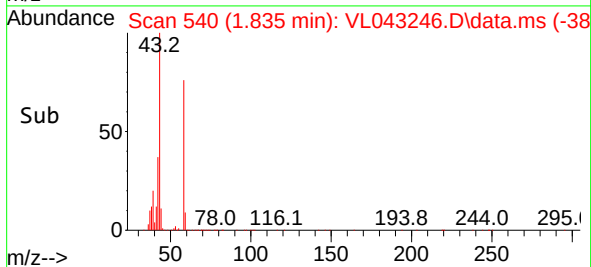
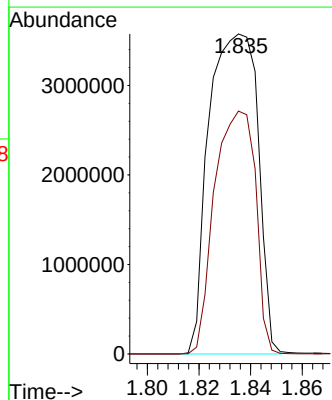
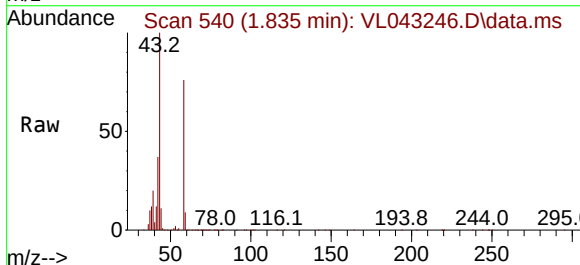
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 ClientSampleId :
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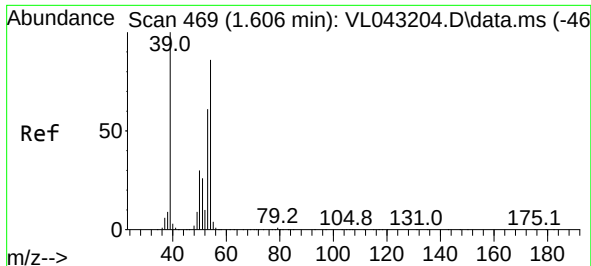
Tgt Ion: 45 Resp: 782847
 Ion Ratio Lower Upper
 45 100
 46 38.4 15.0 59.8



#15
 Acetone
 Concen: 315.559 ppbv
 RT: 1.835 min Scan# 540
 Delta R.T. 0.003 min
 Lab File: VL043246.D
 Acq: 19 Nov 2025 18:55

Tgt Ion: 43 Resp: 4713258
 Ion Ratio Lower Upper
 43 100
 58 63.4 20.7 31.1#

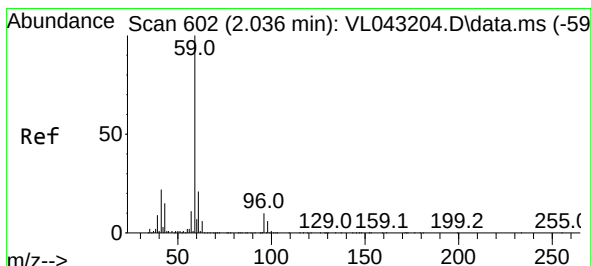
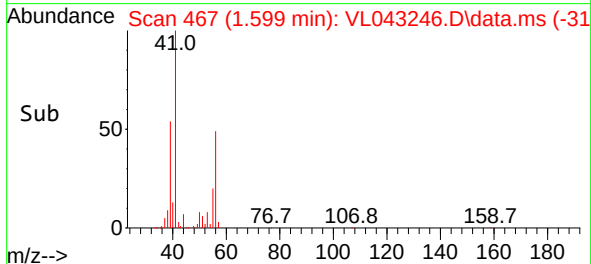
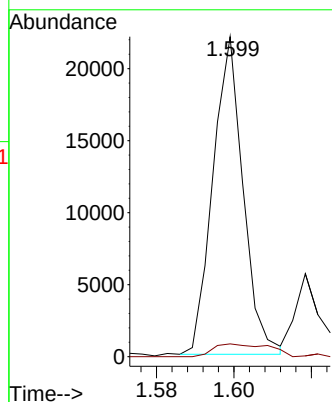
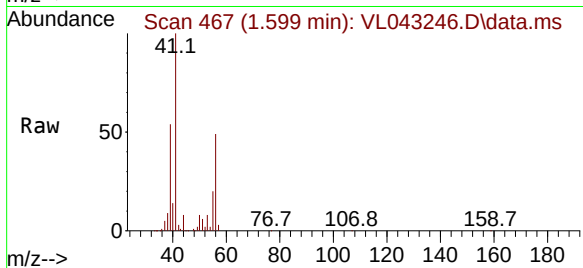




#16
1,3-Butadiene
Concen: 1.791 ppbv
RT: 1.599 min Scan# 467
Delta R.T. -0.007 min
Lab File: VL043246.D
Acq: 19 Nov 2025 18:55

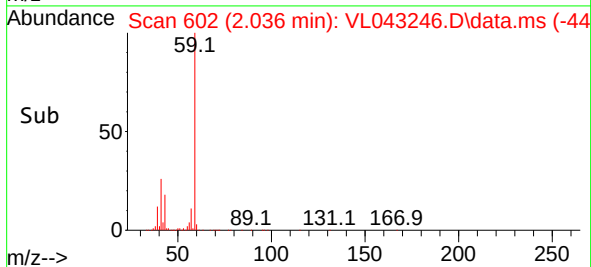
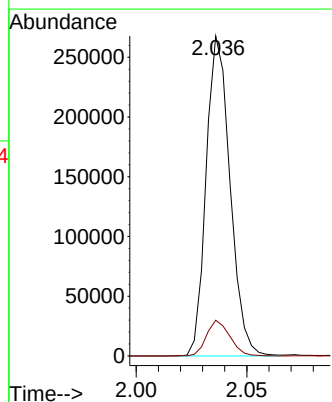
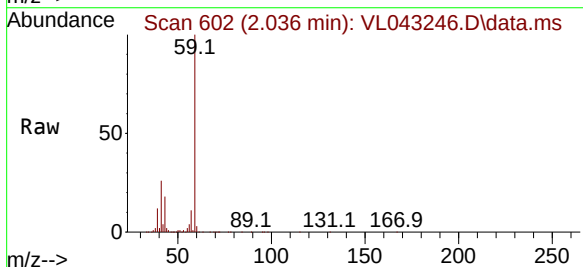
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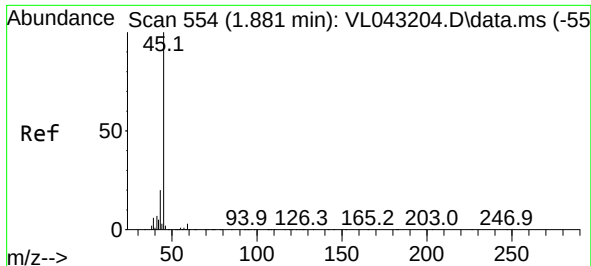
Tgt Ion: 39 Resp: 11929
Ion Ratio Lower Upper
39 100
54 8.4 59.4 89.2#



#17
tert-Butyl alcohol
Concen: 10.271 ppbv
RT: 2.036 min Scan# 602
Delta R.T. -0.000 min
Lab File: VL043246.D
Acq: 19 Nov 2025 18:55

Tgt Ion: 59 Resp: 201360
Ion Ratio Lower Upper
59 100
57 10.9 9.0 13.4

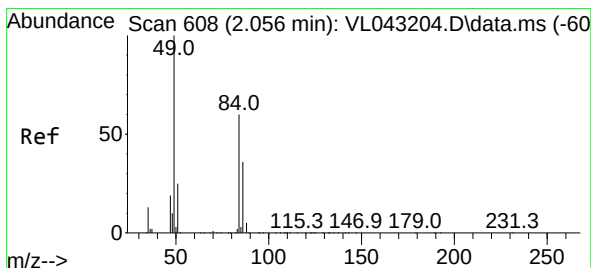
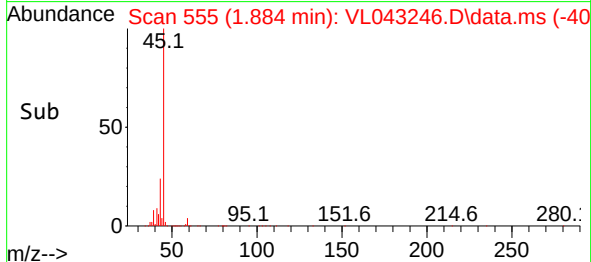
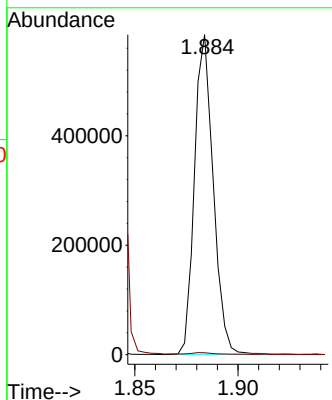
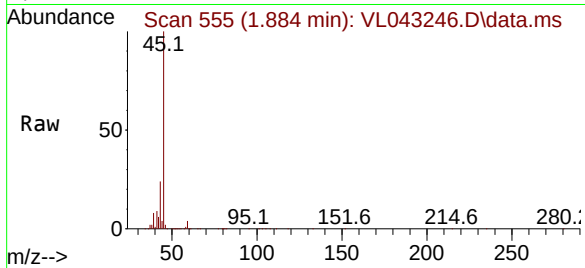




#19
Isopropyl Alcohol
Concen: 43.742 ppbv
RT: 1.884 min Scan# 51
Delta R.T. 0.003 min
Lab File: VL043246.D
Acq: 19 Nov 2025 18:55

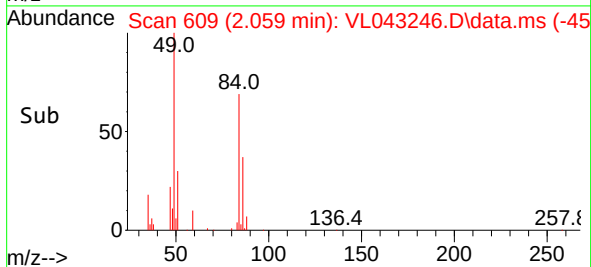
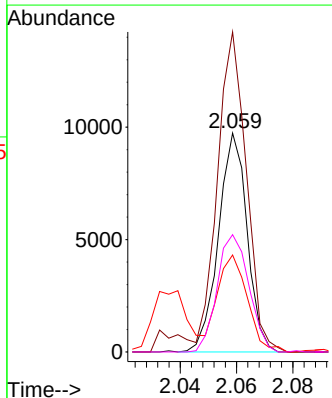
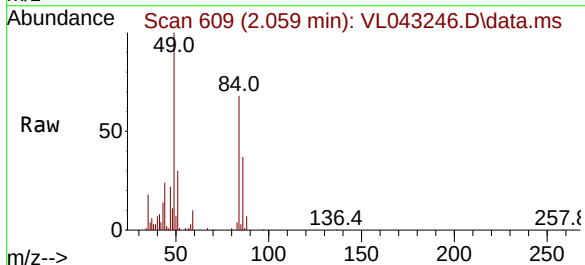
Instrument :
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16-SG-1

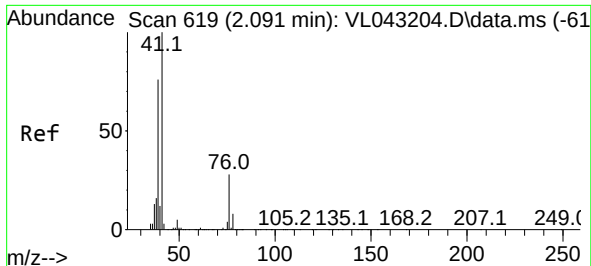
Tgt Ion: 45 Resp: 369187
Ion Ratio Lower Upper
45 100
58 0.0 31.3 46.9#



#20
Methylene Chloride
Concen: 0.847 ppbv
RT: 2.059 min Scan# 609
Delta R.T. 0.003 min
Lab File: VL043246.D
Acq: 19 Nov 2025 18:55

Tgt Ion: 84 Resp: 6888
Ion Ratio Lower Upper
84 100
49 144.2 132.9 199.3
51 41.8 34.8 52.2
86 53.6 48.2 72.2





#21

Allyl Chloride

Concen: 5.089 ppbv

RT: 2.036 min Scan# 619

Delta R.T. -0.055 min

Lab File: VL043246.D

Acq: 19 Nov 2025 18:55

Instrument :

MSVOA_1

ClientSampleId :

16-SG-1

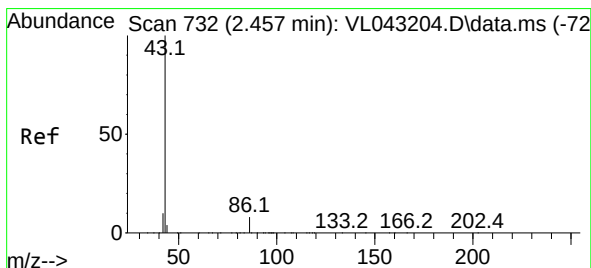
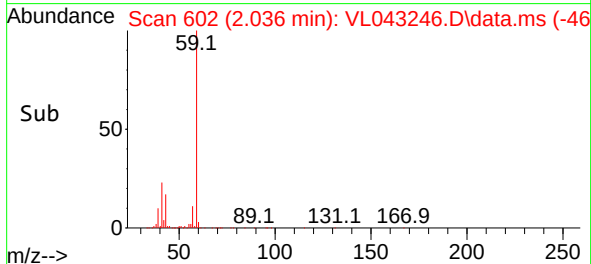
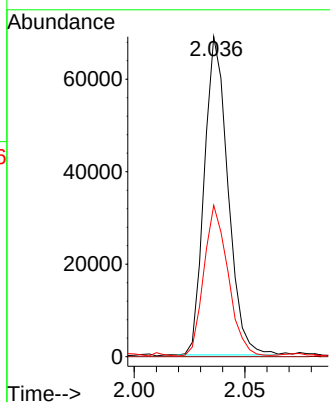
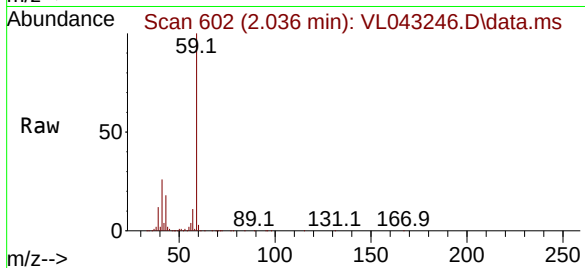
Tgt Ion: 41 Resp: 51136

Ion Ratio Lower Upper

41 100

76 0.0 22.1 33.1#

39 47.8 61.0 91.4#



#23

Vinyl Acetate

Concen: 0.416 ppbv

RT: 2.447 min Scan# 729

Delta R.T. -0.010 min

Lab File: VL043246.D

Acq: 19 Nov 2025 18:55

Tgt Ion: 43 Resp: 7506

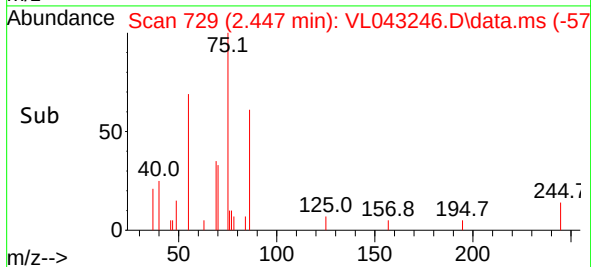
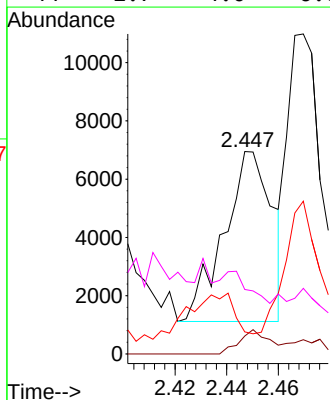
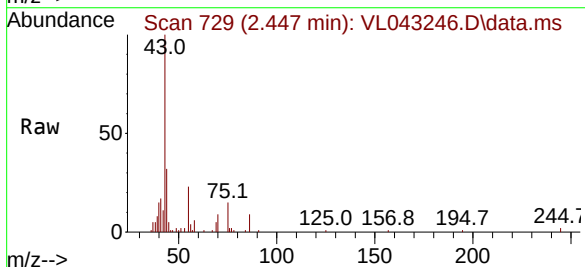
Ion Ratio Lower Upper

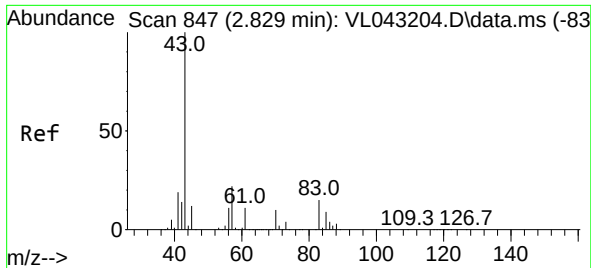
43 100

86 10.6 6.2 9.2#

42 0.0 8.0 12.0#

44 2.7 4.0 6.0#

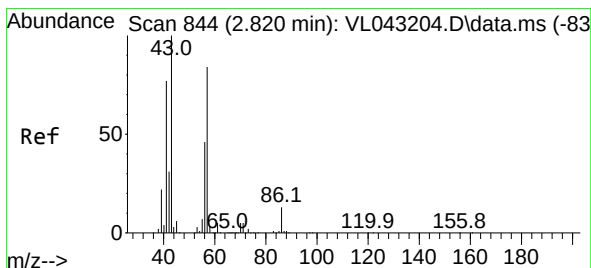
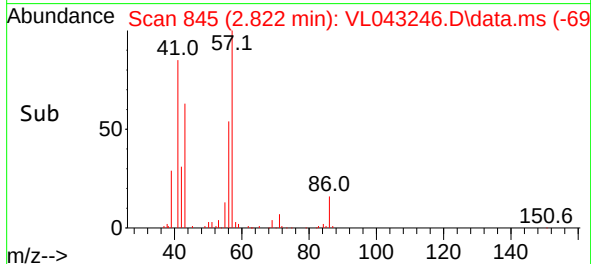
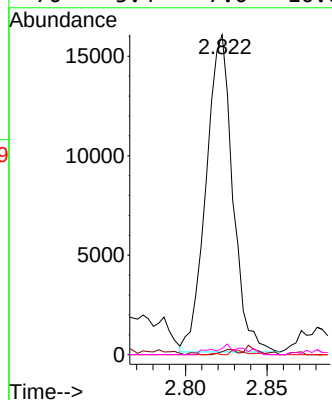
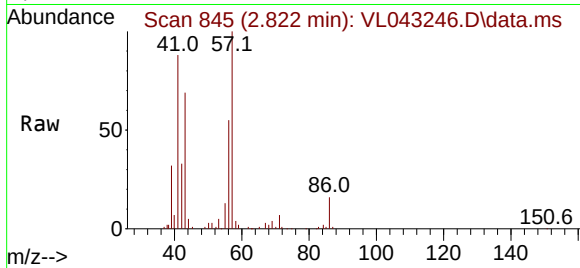




#25
Ethyl Acetate
Concen: 0.563 ppbv
RT: 2.822 min Scan# 845
Delta R.T. -0.007 min
Lab File: VL043246.D
Acq: 19 Nov 2025 18:55

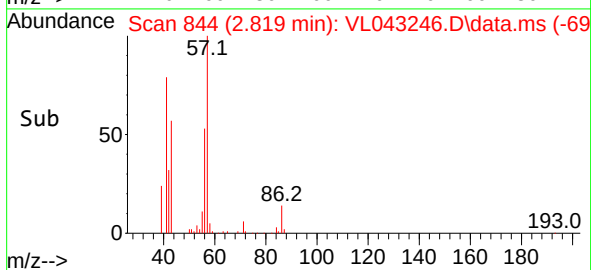
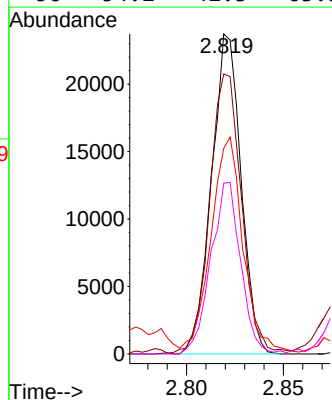
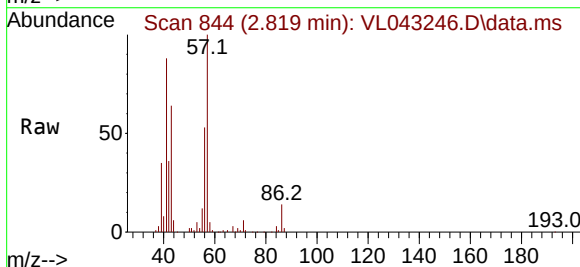
Instrument :
MSVOA_1
ClientSampleId :
16-SG-1

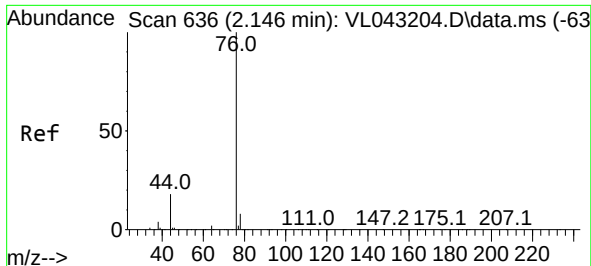
Tgt Ion: 43	Resp: 18138
Ion Ratio	Lower Upper
43 100	
45 2.6	8.1 12.1#
61 1.0	7.0 10.4#
70 3.4	7.0 10.6#



#26
Hexane
Concen: 1.782 ppbv
RT: 2.819 min Scan# 844
Delta R.T. -0.000 min
Lab File: VL043246.D
Acq: 19 Nov 2025 18:55

Tgt Ion: 57	Resp: 25163
Ion Ratio	Lower Upper
57 100	
41 91.9	74.6 111.8
43 70.6	179.0 268.4#
56 54.2	42.3 63.5





#27

Carbon Disulfide

Concen: 0.549 ppbv

RT: 2.146 min Scan# 61

Delta R.T. -0.000 min

Lab File: VL043246.D

Acq: 19 Nov 2025 18:55

Instrument :

MSVOA_L

ClientSampleId :

16-SG-1

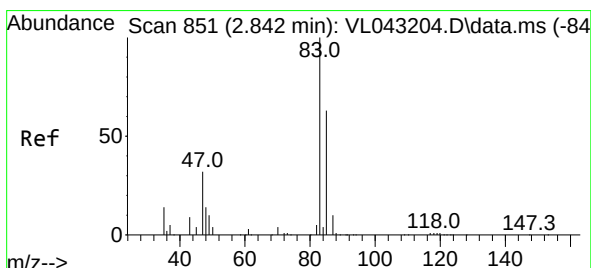
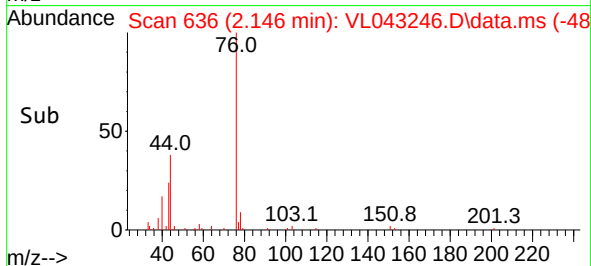
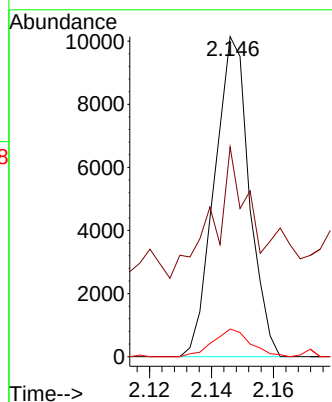
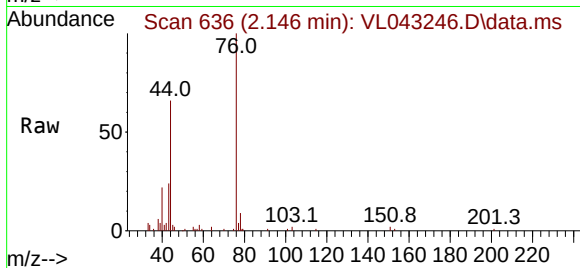
Tgt Ion: 76 Resp: 7909

Ion Ratio Lower Upper

76 100

44 0.0 16.1 24.1#

78 10.9 9.6 14.4



#29

Chloroform

Concen: 0.048 ppbv

RT: 2.842 min Scan# 851

Delta R.T. -0.000 min

Lab File: VL043246.D

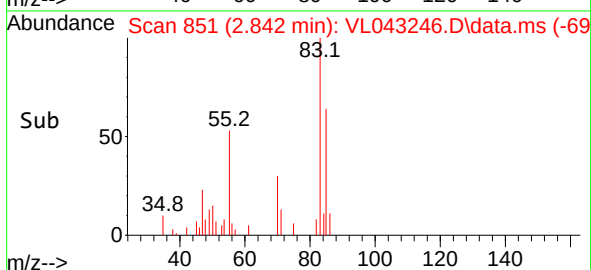
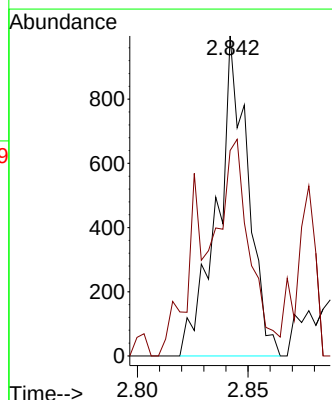
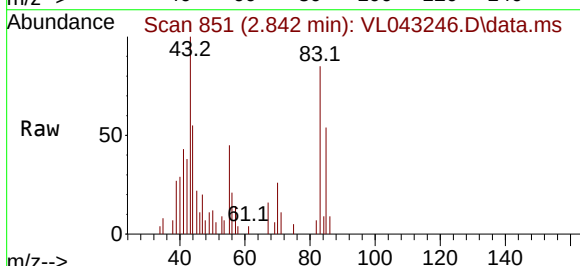
Acq: 19 Nov 2025 18:55

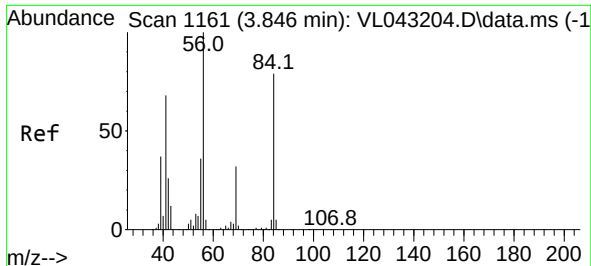
Tgt Ion: 83 Resp: 958

Ion Ratio Lower Upper

83 100

85 58.3 50.5 75.7

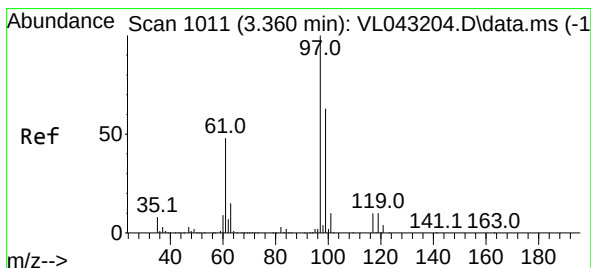
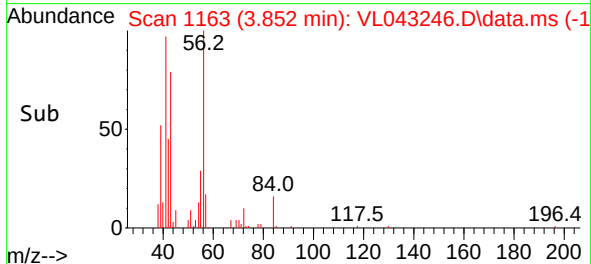
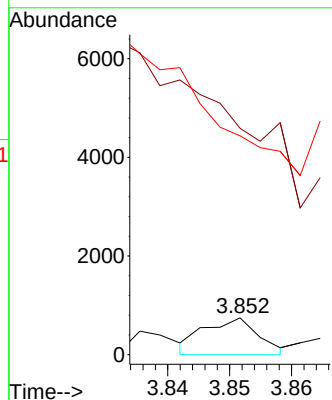
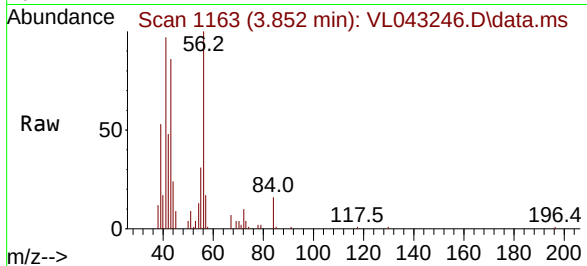




#30
Cyclohexane
Concen: 0.038 ppbv
RT: 3.852 min Scan# 1163
Delta R.T. 0.006 min
Lab File: VL043246.D
Acq: 19 Nov 2025 18:55

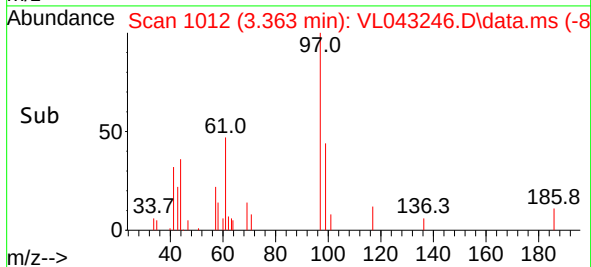
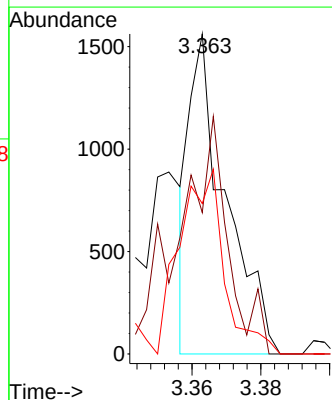
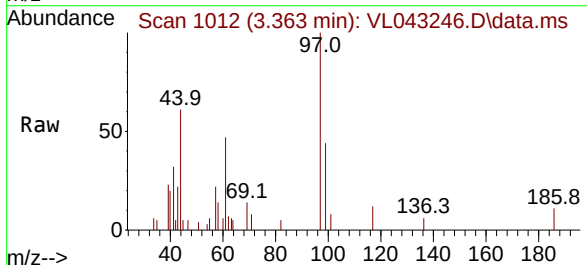
Instrument :
MSVOA_L
ClientSampleId :
16-SG-1

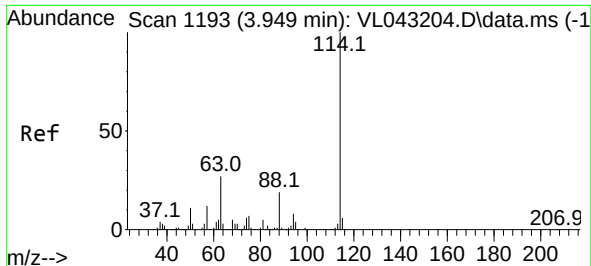
Tgt Ion: 84 Resp: 453
Ion Ratio Lower Upper
84 100
56 0.0 104.7 157.1#
41 0.0 69.0 103.6#



#32
1,1,1-Trichloroethane
Concen: 0.054 ppbv
RT: 3.363 min Scan# 1012
Delta R.T. 0.003 min
Lab File: VL043246.D
Acq: 19 Nov 2025 18:55

Tgt Ion: 97 Resp: 1150
Ion Ratio Lower Upper
97 100
99 101.0 50.3 75.5#
61 79.3 38.9 58.3#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.955 min Scan# 1195

Delta R.T. 0.006 min

Lab File: VL043246.D

Acq: 19 Nov 2025 18:55

Instrument :

MSVOA_L

ClientSampleId :

16-SG-1

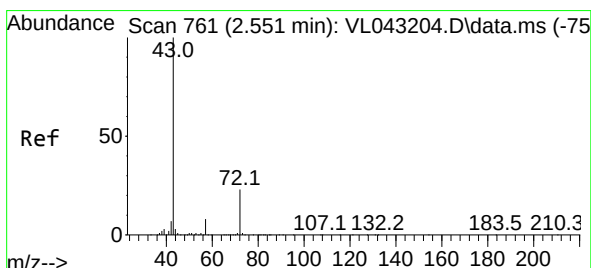
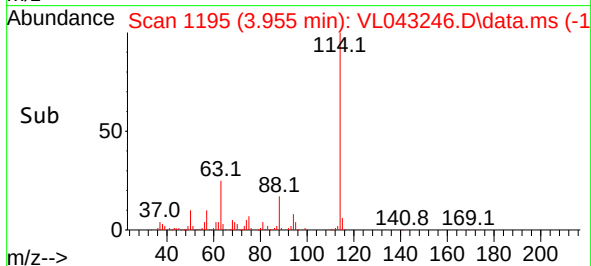
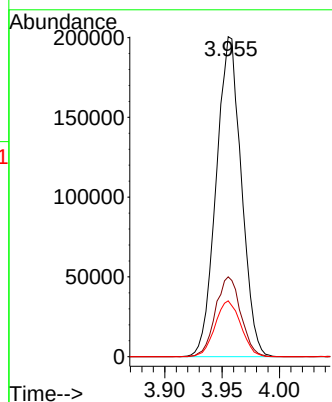
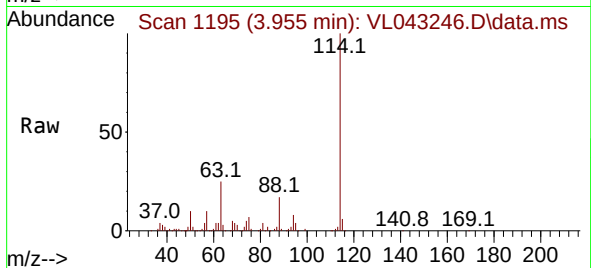
Tgt Ion:114 Resp: 305536

Ion Ratio Lower Upper

114 100

63 25.1 21.0 31.6

88 17.9 14.9 22.3



#34

2-Butanone

Concen: 9.470 ppbv

RT: 2.551 min Scan# 761

Delta R.T. -0.000 min

Lab File: VL043246.D

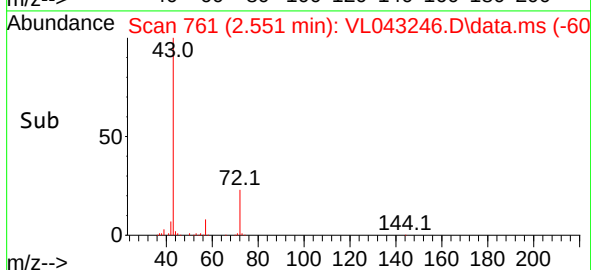
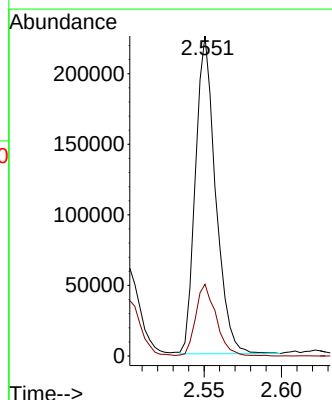
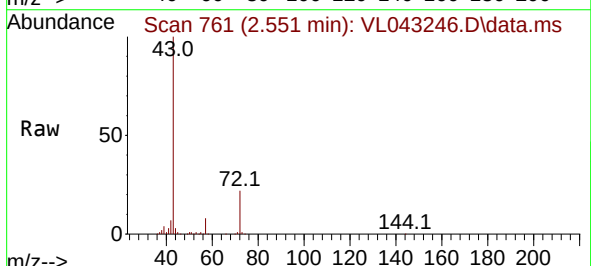
Acq: 19 Nov 2025 18:55

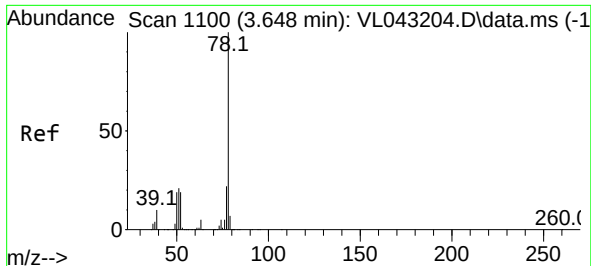
Tgt Ion: 43 Resp: 204250

Ion Ratio Lower Upper

43 100

72 23.0 18.1 27.1

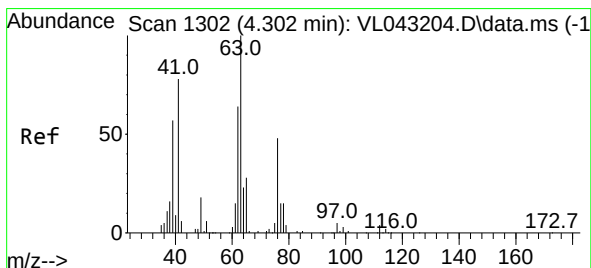
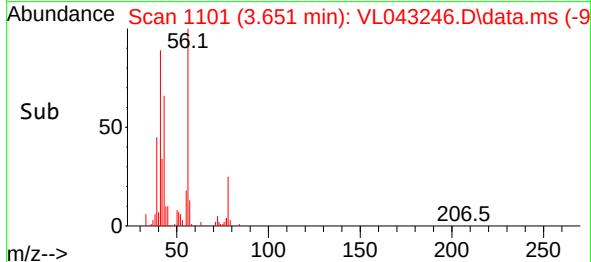
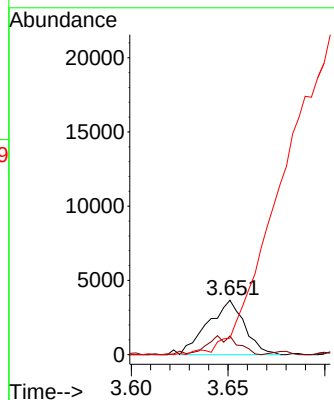
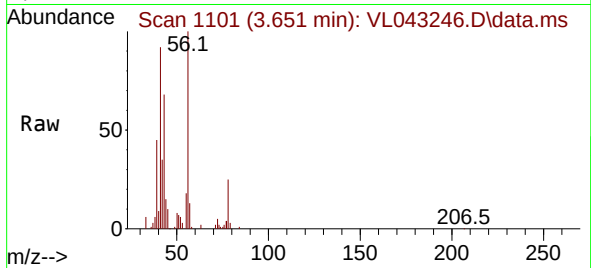




#36
Benzene
Concen: 0.165 ppbv
RT: 3.651 min Scan# 1101
Delta R.T. 0.003 min
Lab File: VL043246.D
Acq: 19 Nov 2025 18:55

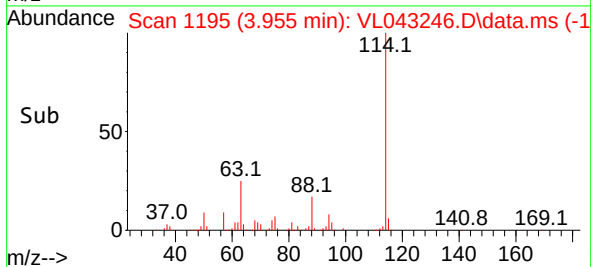
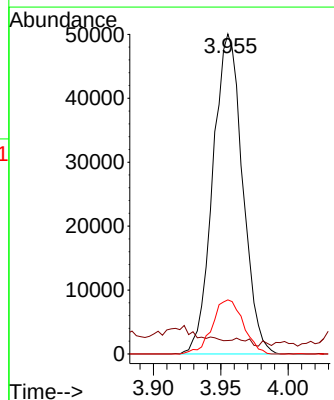
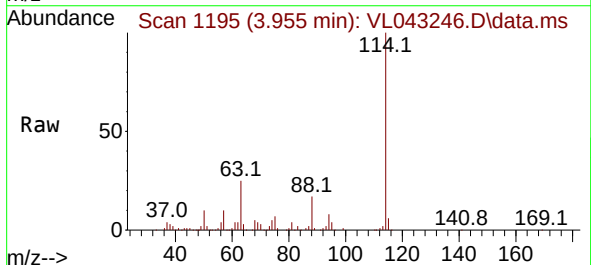
Instrument :
MSVOA_1
ClientSampleId :
16-SG-1

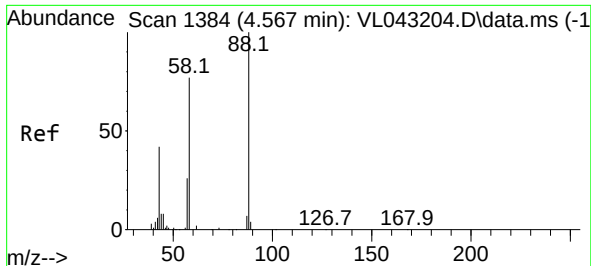
Tgt Ion: 78 Resp: 4837
Ion Ratio Lower Upper
78 100
77 28.3 17.5 26.3#
50 27.9 15.5 23.3#



#39
1,2-Dichloropropane
Concen: 7.159 ppbv
RT: 3.955 min Scan# 1195
Delta R.T. -0.347 min
Lab File: VL043246.D
Acq: 19 Nov 2025 18:55

Tgt Ion: 63 Resp: 76667
Ion Ratio Lower Upper
63 100
41 0.7 62.6 93.8#
62 16.9 51.0 76.6#

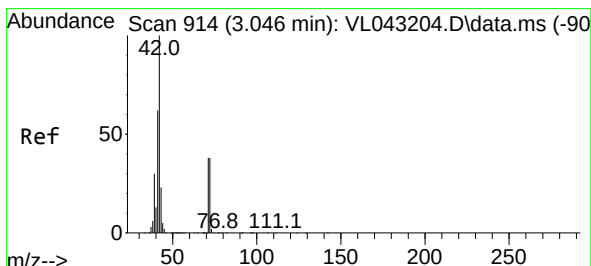
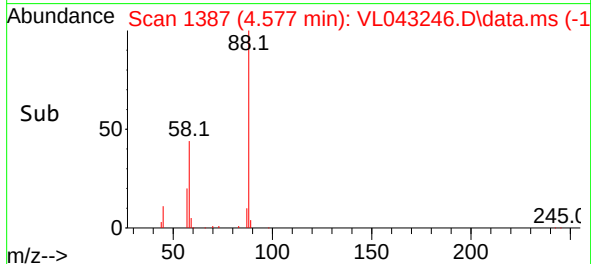
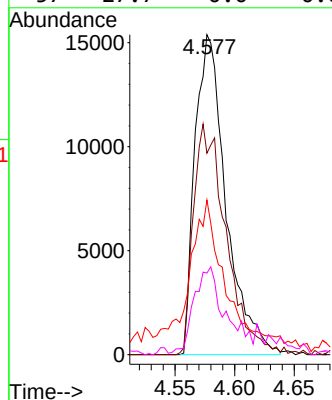
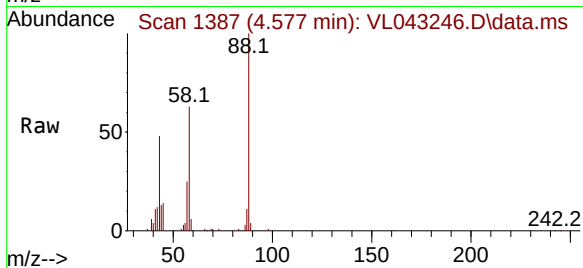




#40
1,4-Dioxane
Concen: 5.793 ppbv
RT: 4.577 min Scan# 11
Delta R.T. 0.009 min
Lab File: VL043246.D
Acq: 19 Nov 2025 18:55

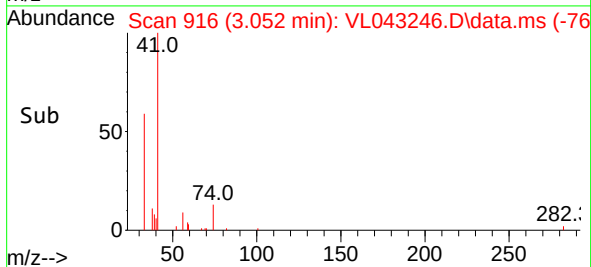
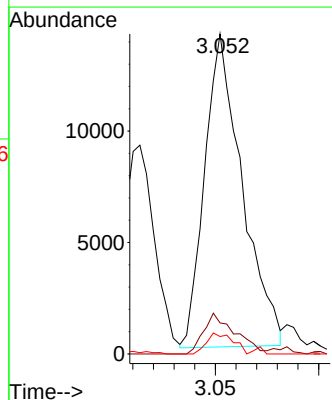
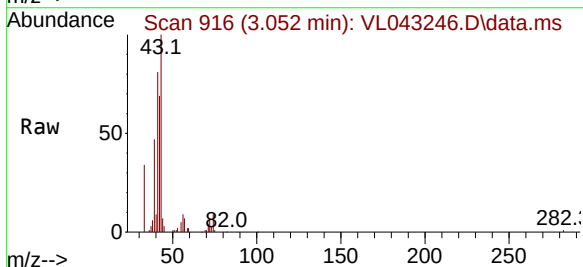
Instrument :
MSVOA_L
ClientSampleId :
16-SG-1

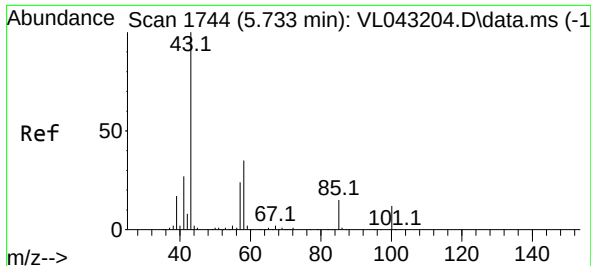
Tgt Ion:	88	Resp:	27891
Ion	Ratio	Lower	Upper
88	100		
58	76.0	63.0	94.6
43	55.3	32.5	48.7#
57	27.7	0.0	0.0#



#41
Tetrahydrofuran
Concen: 1.489 ppbv
RT: 3.052 min Scan# 916
Delta R.T. 0.006 min
Lab File: VL043246.D
Acq: 19 Nov 2025 18:55

Tgt Ion:	42	Resp:	17731
Ion	Ratio	Lower	Upper
42	100		
72	12.2	30.6	46.0#
71	5.2	30.5	45.7#





#50

4-Methyl-2-Pentanone

Concen: 2.071 ppbv

RT: 5.739 min Scan# 1

Delta R.T. 0.006 min

Lab File: VL043246.D

Acq: 19 Nov 2025 18:55

Instrument :

MSVOA_L

ClientSampleId :

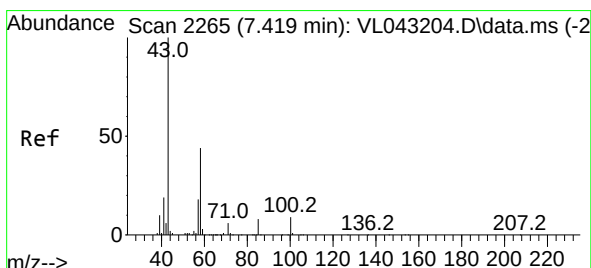
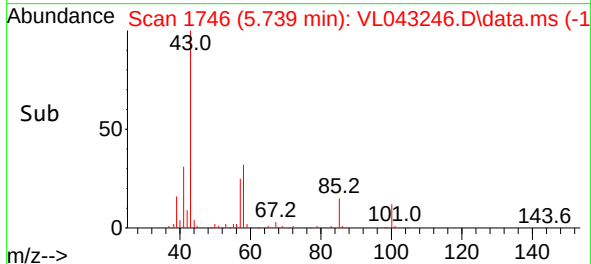
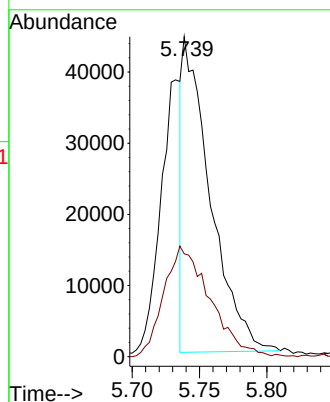
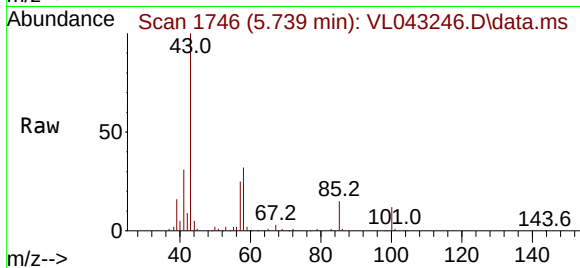
16-SG-1

Tgt Ion: 43 Resp: 62912

Ion Ratio Lower Upper

43 100

58 58.9 28.4 42.6#



#51

2-Hexanone

Concen: 1.005 ppbv

RT: 7.425 min Scan# 2267

Delta R.T. 0.006 min

Lab File: VL043246.D

Acq: 19 Nov 2025 18:55

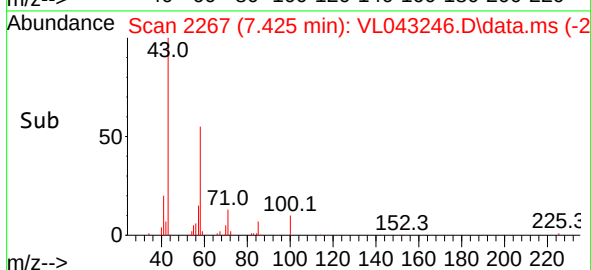
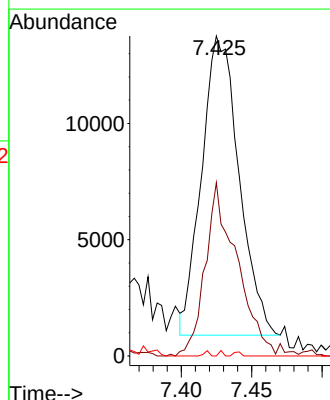
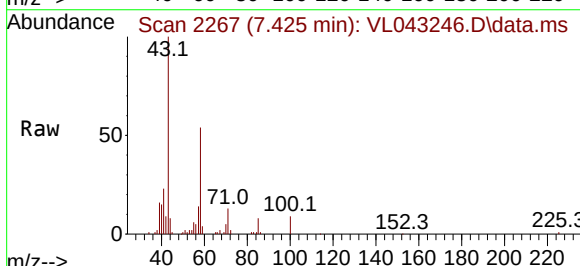
Tgt Ion: 43 Resp: 23719

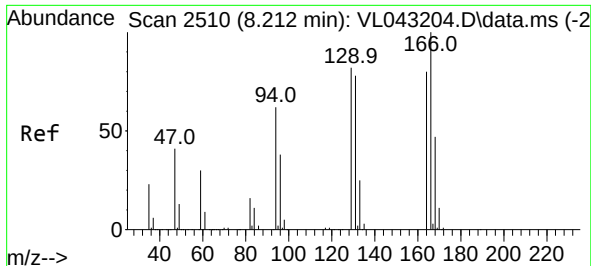
Ion Ratio Lower Upper

43 100

58 50.8 38.4 57.6

98 0.4 0.0 0.0#

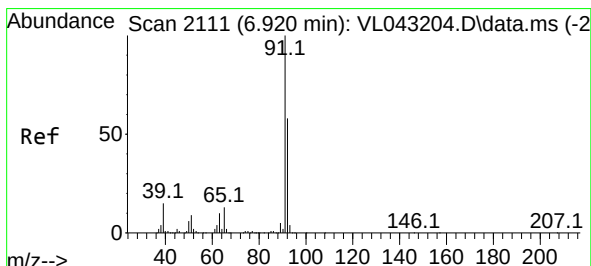
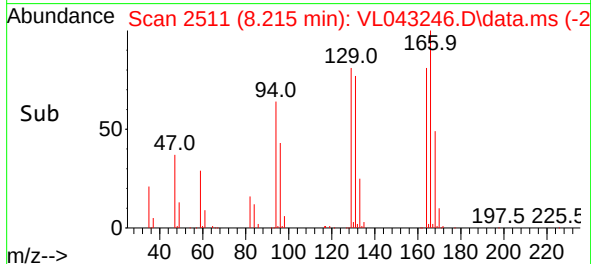
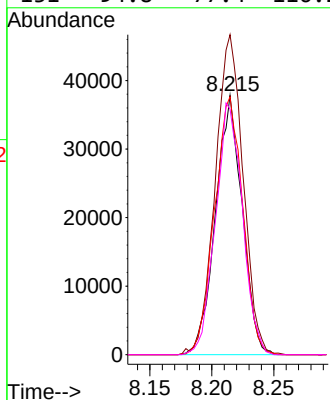
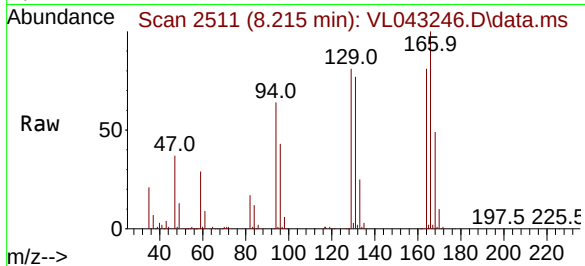




#52
Tetrachloroethene
Concen: 5.215 ppbv
RT: 8.215 min Scan# 2111
Delta R.T. 0.003 min
Lab File: VL043246.D
Acq: 19 Nov 2025 18:55

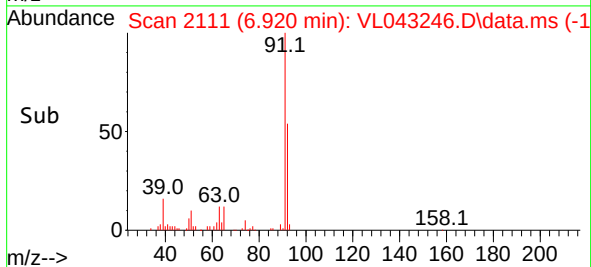
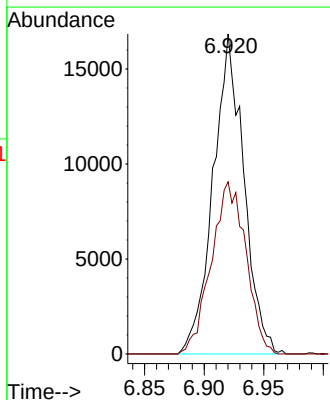
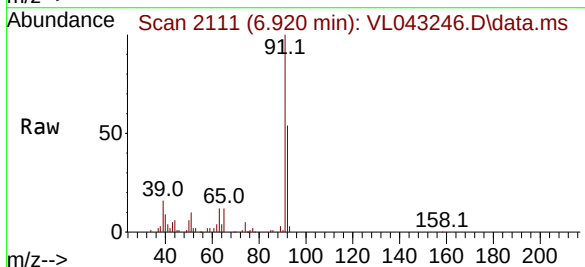
Instrument :
MSVOA_1
ClientSampleId :
16-SG-1

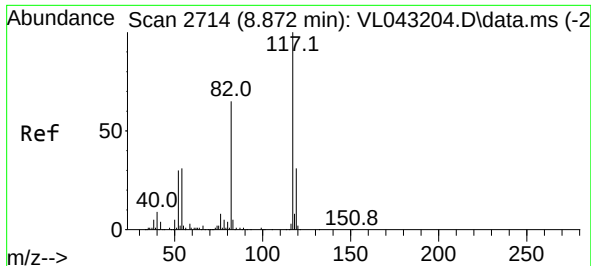
Tgt Ion:	164	Resp:	56759
Ion	Ratio	Lower	Upper
164	100		
166	123.5	99.4	149.2
129	99.6	81.8	122.8
131	94.8	77.4	116.2



#53
Toluene
Concen: 0.870 ppbv
RT: 6.920 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VL043246.D
Acq: 19 Nov 2025 18:55

Tgt Ion:	91	Resp:	30132
Ion	Ratio	Lower	Upper
91	100		
92	60.7	47.4	71.0

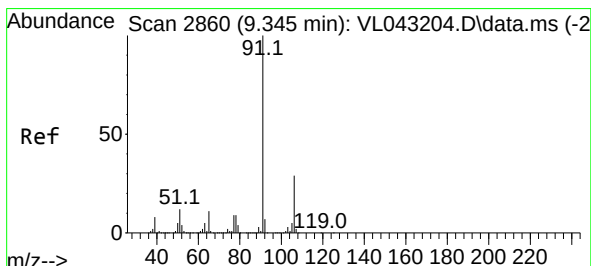
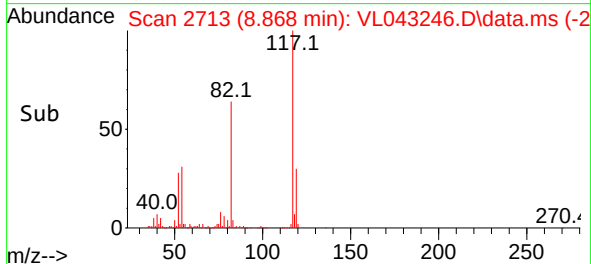
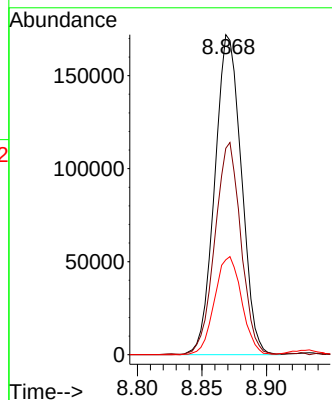
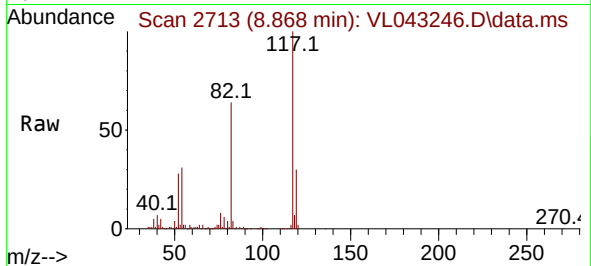




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.868 min Scan# 21
Delta R.T. -0.004 min
Lab File: VL043246.D
Acq: 19 Nov 2025 18:55

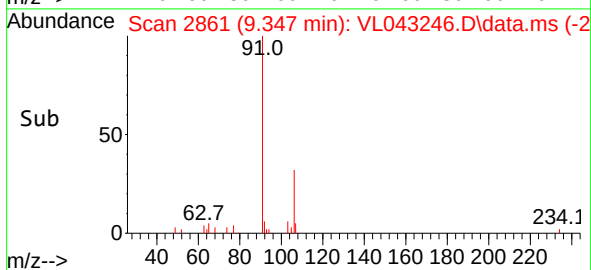
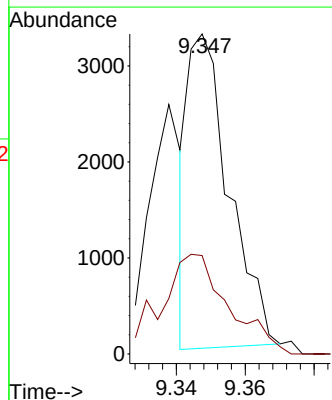
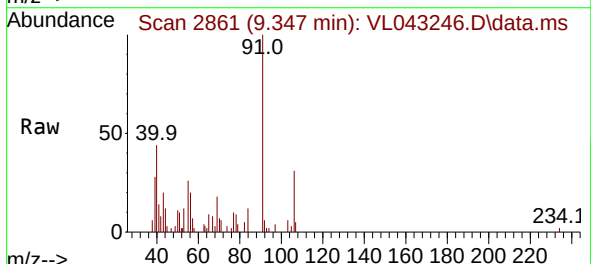
Instrument :
MSVOA_1
ClientSampleId :
16-SG-1

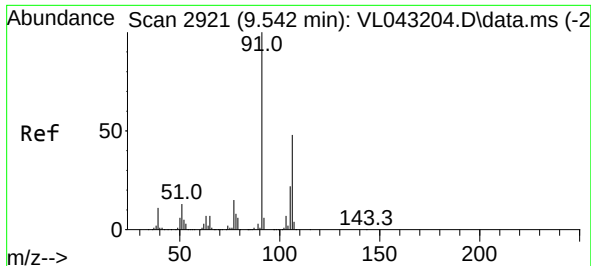
Tgt Ion:117 Resp: 246745
Ion Ratio Lower Upper
117 100
82 65.0 56.1 84.1
119 31.3 25.0 37.6



#58
Ethyl Benzene
Concen: 0.057 ppbv
RT: 9.347 min Scan# 2861
Delta R.T. 0.003 min
Lab File: VL043246.D
Acq: 19 Nov 2025 18:55

Tgt Ion: 91 Resp: 2729
Ion Ratio Lower Upper
91 100
106 29.5 22.8 34.2





#59

m/p-Xylene

Concen: 0.432 ppbv

RT: 9.522 min Scan# 2915

Delta R.T. -0.020 min

Lab File: VL043246.D

Acq: 19 Nov 2025 18:55

Instrument :

MSVOA_1

ClientSampleId :

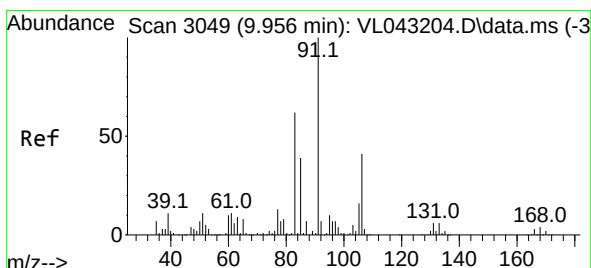
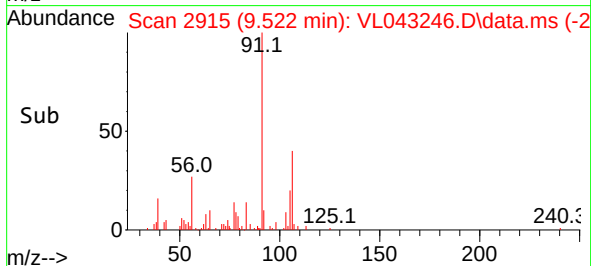
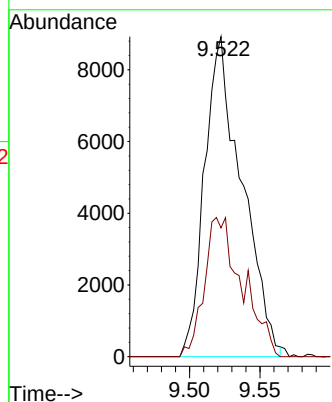
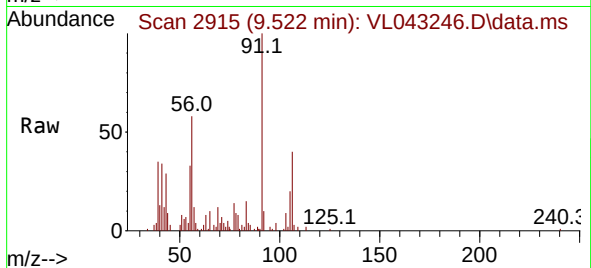
16-SG-1

Tgt Ion: 91 Resp: 16446

Ion Ratio Lower Upper

91 100

106 44.2 36.1 54.1



#60

o-Xylene

Concen: 0.156 ppbv

RT: 9.956 min Scan# 3049

Delta R.T. -0.000 min

Lab File: VL043246.D

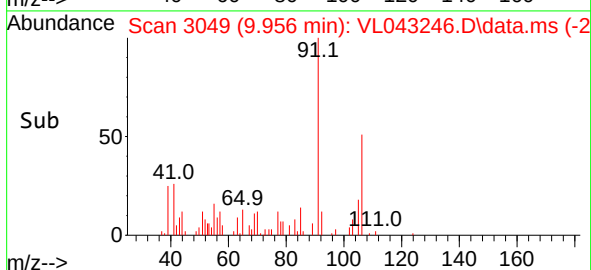
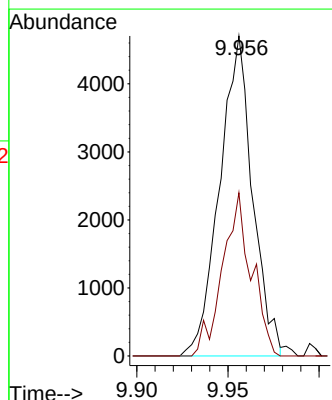
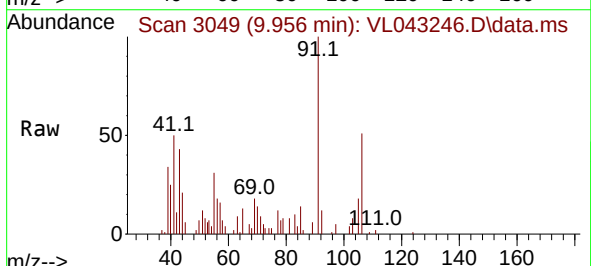
Acq: 19 Nov 2025 18:55

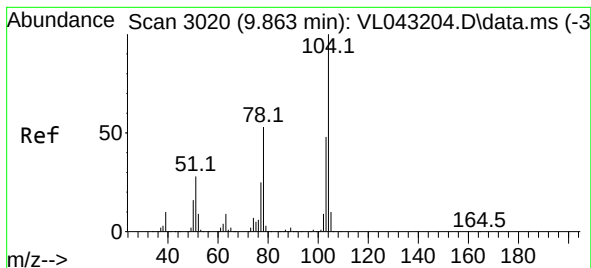
Tgt Ion: 91 Resp: 5915

Ion Ratio Lower Upper

91 100

106 44.9 20.9 62.8





#61

Styrene

Concen: 0.097 ppbv

RT: 9.859 min Scan# 3020

Delta R.T. -0.004 min

Lab File: VL043246.D

Acq: 19 Nov 2025 18:55

Instrument :

MSVOA_1

ClientSampleId :

16-SG-1

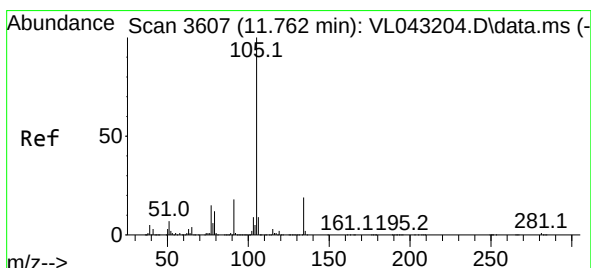
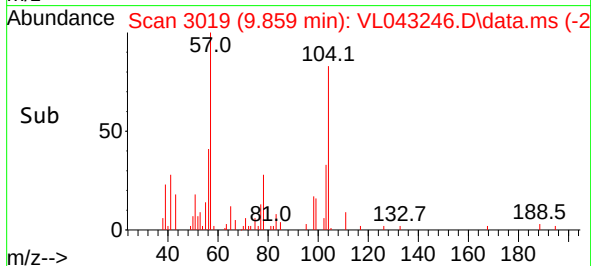
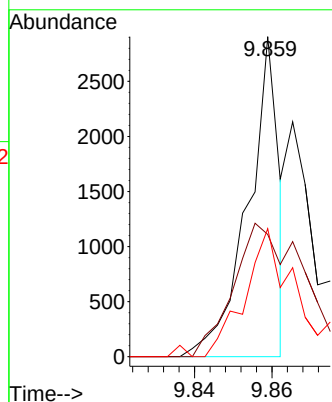
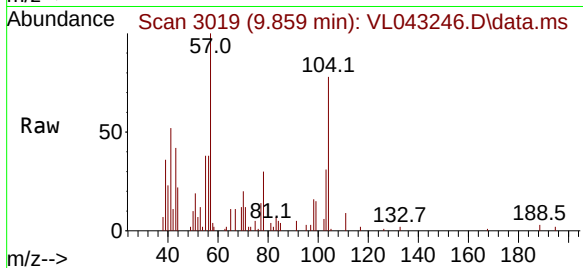
Tgt Ion:104 Resp: 1623

Ion Ratio Lower Upper

104 100

78 95.4 42.1 63.1#

103 66.8 37.2 55.8#



#67

sec-Butylbenzene

Concen: 0.038 ppbv

RT: 11.765 min Scan# 3608

Delta R.T. 0.003 min

Lab File: VL043246.D

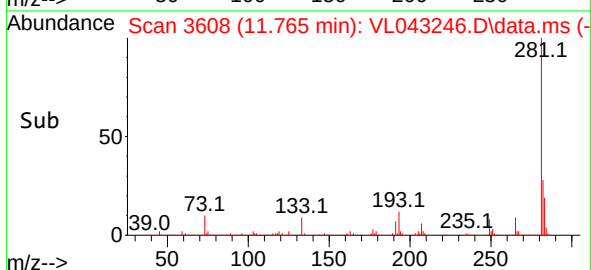
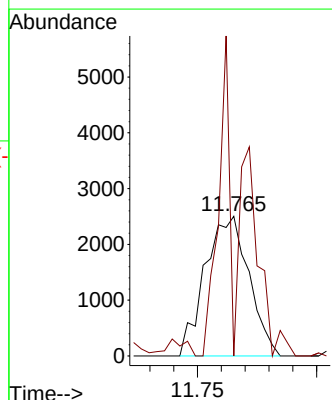
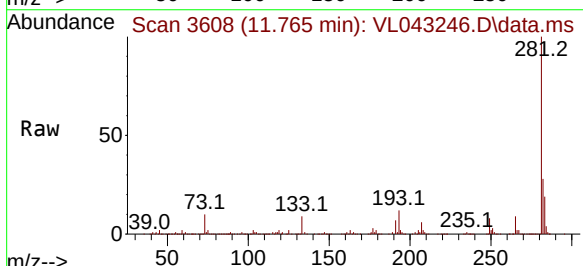
Acq: 19 Nov 2025 18:55

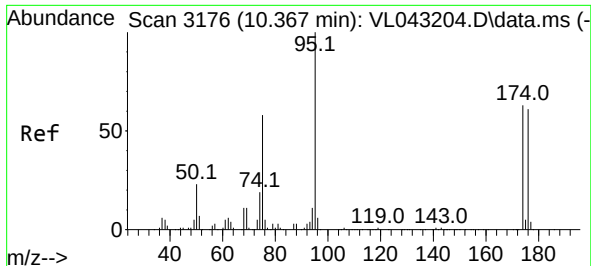
Tgt Ion:105 Resp: 3203

Ion Ratio Lower Upper

105 100

134 129.1 15.0 22.6#

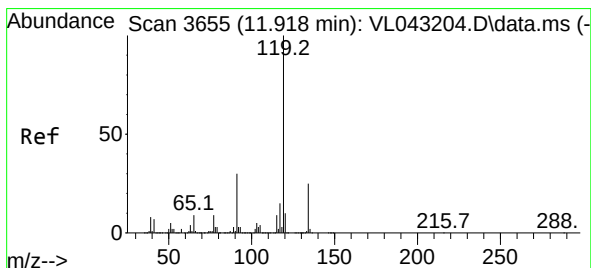
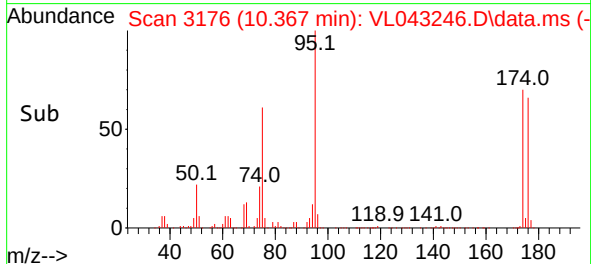
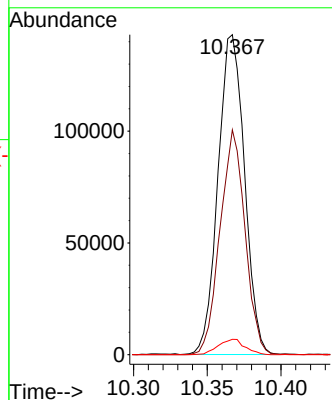
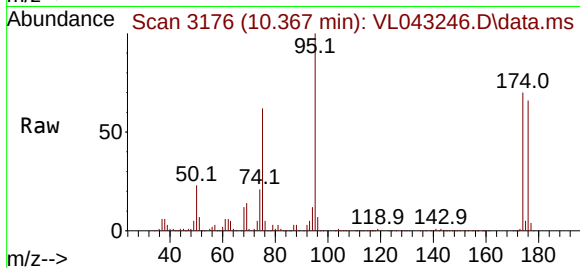




#68
1-Bromo-4-Fluorobenzene
Concen: 9.890 ppbv
RT: 10.367 min Scan# 3176
Delta R.T. -0.000 min
Lab File: VL043246.D
Acq: 19 Nov 2025 18:55

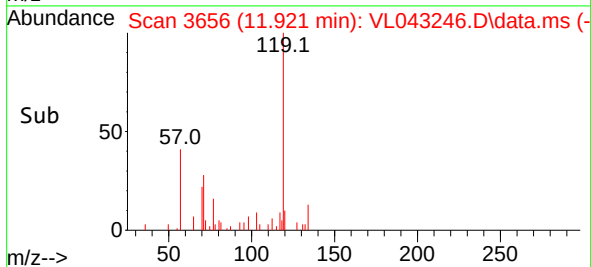
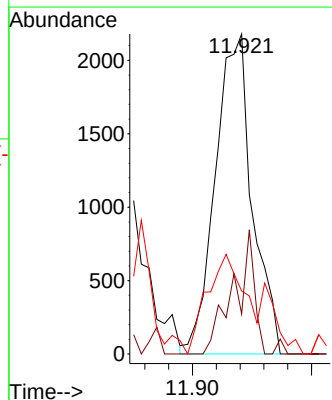
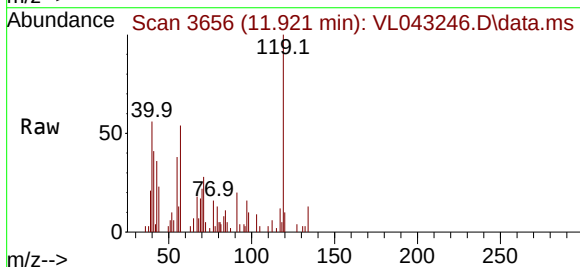
Instrument :
MSVOA_L
ClientSampleId :
16-SG-1

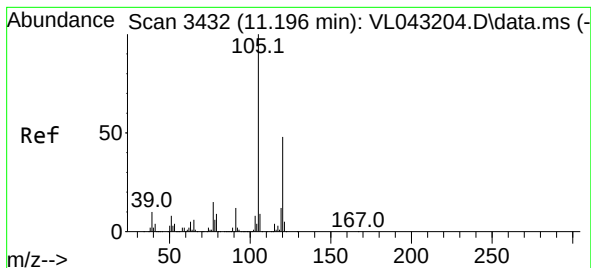
Tgt Ion: 95 Resp: 178880
Ion Ratio Lower Upper
95 100
174 66.2 50.2 75.2
175 4.8 4.1 6.1



#69
p-Isopropyltoluene
Concen: 0.033 ppbv
RT: 11.921 min Scan# 3656
Delta R.T. 0.003 min
Lab File: VL043246.D
Acq: 19 Nov 2025 18:55

Tgt Ion: 119 Resp: 2340
Ion Ratio Lower Upper
119 100
134 22.6 20.2 30.2
91 42.9 23.8 35.8#





#73

1,3,5-Trimethylbenzene

Concen: 0.056 ppbv

RT: 11.192 min Scan# 3432

Delta R.T. -0.004 min

Lab File: VL043246.D

Acq: 19 Nov 2025 18:55

Instrument :

MSVOA_1

ClientSampleId :

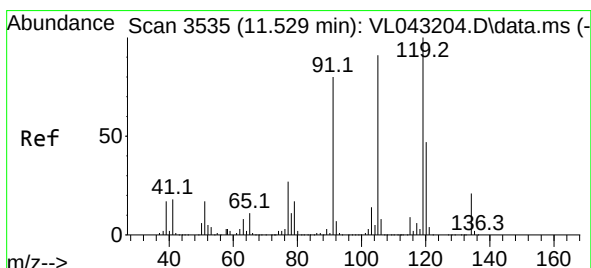
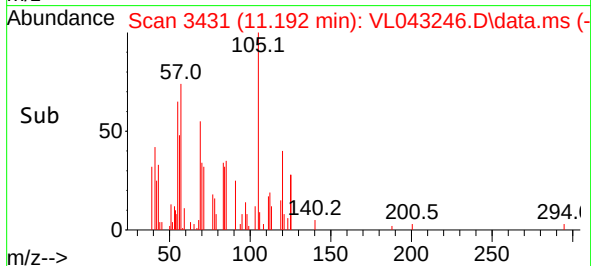
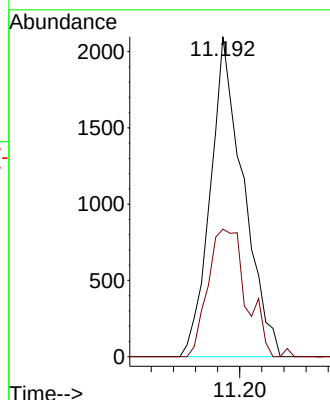
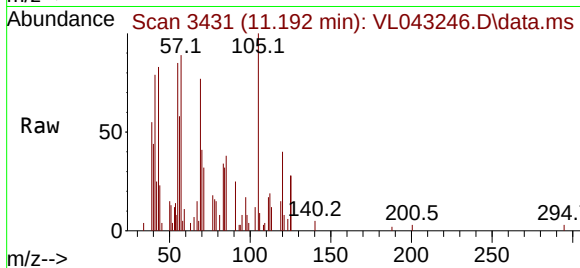
16-SG-1

Tgt Ion:105 Resp: 2175

Ion Ratio Lower Upper

105 100

120 39.8 38.6 57.8



#74

1,2,4-Trimethylbenzene

Concen: 0.110 ppbv

RT: 11.529 min Scan# 3535

Delta R.T. -0.000 min

Lab File: VL043246.D

Acq: 19 Nov 2025 18:55

Tgt Ion:105 Resp: 4674

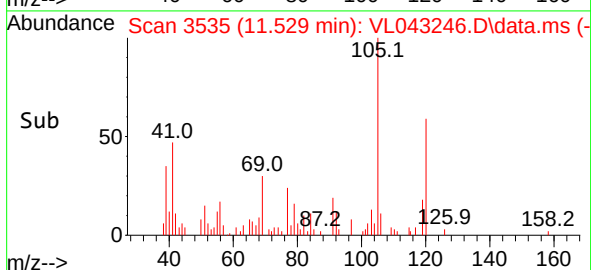
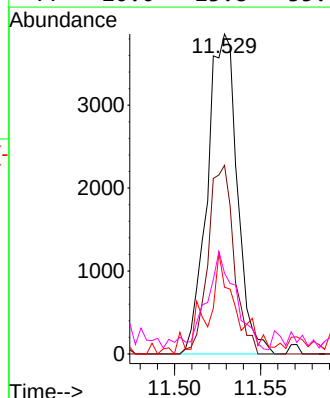
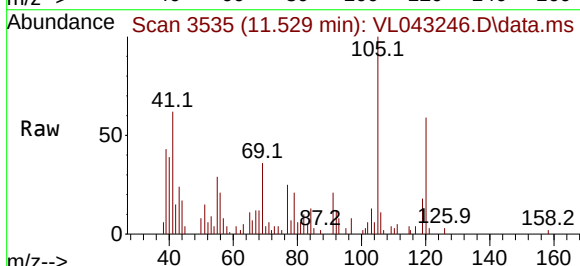
Ion Ratio Lower Upper

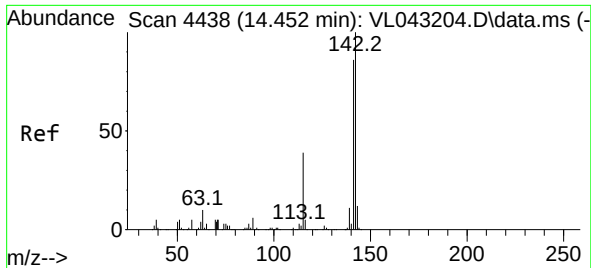
105 100

120 58.9 41.7 62.5

91 17.5 70.0 105.0#

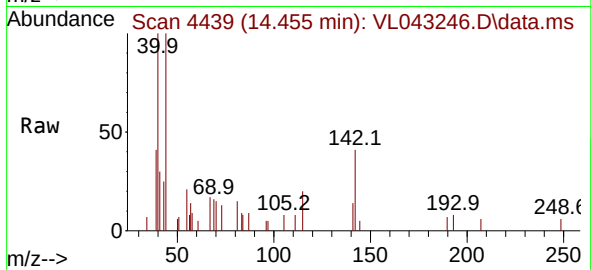
77 20.0 23.8 35.8#





#80
 Naphthalene, 2-methyl-
 Concen: 0.047 ppbv
 RT: 14.455 min Scan# 44
 Delta R.T. 0.003 min
 Lab File: VL043246.D
 Acq: 19 Nov 2025 18:55

Instrument :
 MSVOA_L
 ClientSampleId :
 16-SG-1



Tgt Ion:	142	Resp:	468
Ion	Ratio	Lower	Upper
142	100		
141	68.2	67.1	100.7
115	37.0	31.9	47.9

