

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101024\
 Data File : VL041642.D
 Acq On : 10 Oct 2024 14:46
 Operator : SY/MD
 Sample : P4339-01DUP 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Oct 11 05:41:04 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091624AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Sep 17 09:12:21 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.179	49	1254921	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.642	114	3334107	10.000	ppbv	0.01
55) Chlorobenzene-d5	11.458	117	3040255	10.000	ppbv	0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.767	95	2296063	10.259	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.600%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.706	85	8706	0.048	ppbv	91
3) Chlorodifluoromethane	2.851	51	14023	0.092	ppbv #	61
4) Chloromethane	2.790	50	39785	0.475	ppbv	98
7) Chloroethane	3.176	64	2879	0.102	ppbv	91
9) Propene	2.671	41	5647757	87.966	ppbv	94
10) Heptane	7.571	43	1119846	7.450	ppbv	100
11) Trichlorofluoromethane	3.545	101	10688	0.055	ppbv	86
13) Ethanol	3.217	45	383225	79.394	ppbv	95
15) Acetone	3.446	43	6232789	39.561	ppbv	92
16) 1,3-Butadiene	2.944	39	2746476	35.841	ppbv #	33
17) tert-Butyl alcohol	3.864	59	633272	4.570	ppbv	98
19) Isopropyl Alcohol	3.558	45	108300	1.343	ppbv #	92
20) Methylene Chloride	3.918	84	280427	4.738	ppbv	97
21) Allyl Chloride	3.970	41	65870	0.721	ppbv #	1
23) Vinyl Acetate	4.594	43	164746	1.901	ppbv #	1
24) 1,1-Dichloroethane	4.590	63	3922	0.030	ppbv #	91
25) Ethyl Acetate	5.198	43	646847	2.287	ppbv #	80
26) Hexane	5.198	57	836536	7.092	ppbv #	39
27) Carbon Disulfide	4.108	76	252882	2.017	ppbv	99
28) Methyl tert-Butyl Ether	4.568	73	3055	0.042	ppbv #	51
30) Cyclohexane	6.587	84	76996	0.847	ppbv	85
34) 2-Butanone	4.770	43	1836874	11.554	ppbv	97
36) Benzene	6.359	78	846407	3.656	ppbv	97
39) 1,2-Dichloropropane	6.642	63	832781	8.841	ppbv #	24
41) Tetrahydrofuran	5.549	42	36642	0.419	ppbv #	62
42) Bromodichloromethane	7.243	83	6278	0.034	ppbv #	43
43) Methyl Methacrylate	7.465	69	5853	0.071	ppbv #	1
44) 2,2,4-Trimethylpentane	7.320	57	234970	0.587	ppbv #	1
50) 4-Methyl-2-Pentanone	8.172	43	406601	1.656	ppbv	100
51) 2-Hexanone	9.539	43	277343	1.493	ppbv #	74
52) Tetrachloroethene	10.603	164	268567	3.203	ppbv	95
53) Toluene	9.211	91	3411494	13.880	ppbv	98
57) Chlorobenzene	11.523	112	7480	0.034	ppbv #	39
58) Ethyl Benzene	12.085	91	1281844	3.939	ppbv	96
59) m/p-Xylene	12.336	91	3303410	11.404	ppbv	97
60) o-Xylene	13.053	91	914387	3.293	ppbv	97
61) Styrene	12.892	104	3794	0.033	ppbv #	1
62) Isopropylbenzene	14.024	105	35760	0.085	ppbv	93
63) 1,1,2,2-Tetrachloroethane	13.056	83	5670	0.040	ppbv #	87
64) n-propylbenzene	14.912	120	36412	0.335	ppbv	70
65) tert-Butylbenzene	16.095	119	25584	0.066	ppbv #	18
72) 4-Ethyltoluene	15.188	105	206817	0.637	ppbv #	91
73) 1,3,5-Trimethylbenzene	15.339	105	44876	0.157	ppbv	98

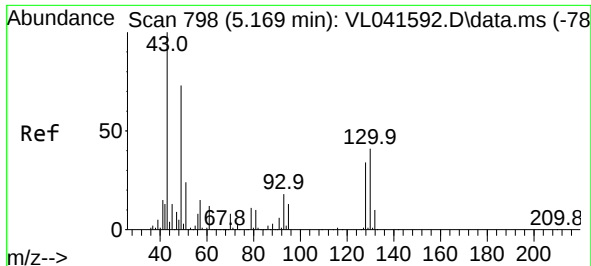
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101024\
Data File : VL041642.D
Acq On : 10 Oct 2024 14:46
Operator : SY/MD
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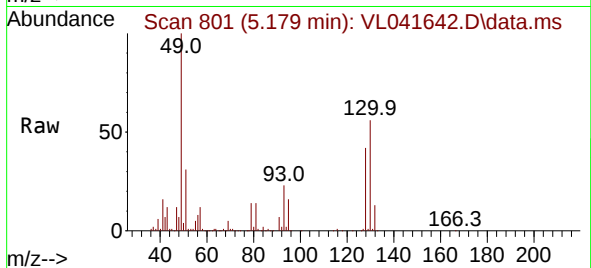
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) 1,2,4-Trimethylbenzene	16.098	105	415906	1.240	ppbv	# 69

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

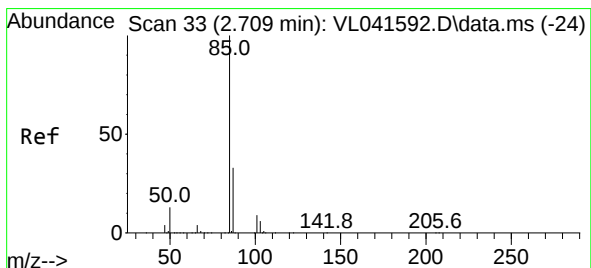
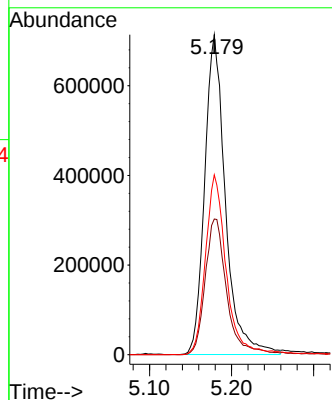
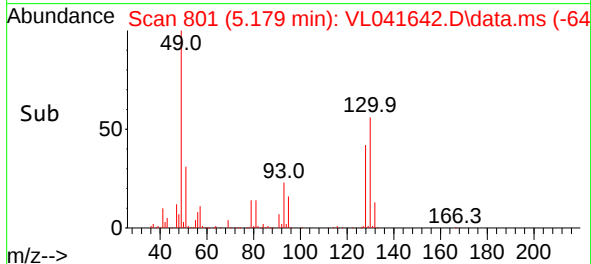


#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.179 min Scan# 80
Delta R.T. 0.010 min
Lab File: VL041642.D
Acq: 10 Oct 2024 14:46

Instrument :
MSVOA_L
ClientSampleId :

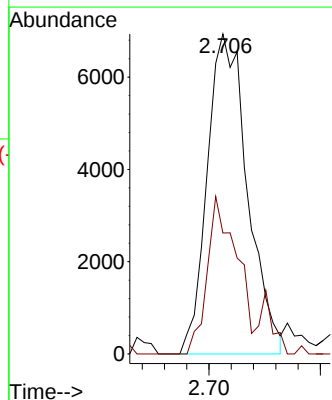
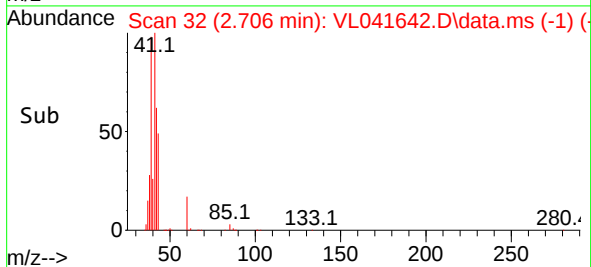
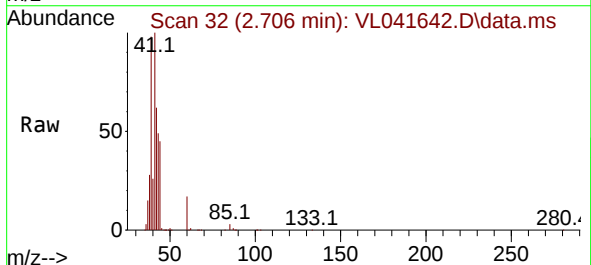


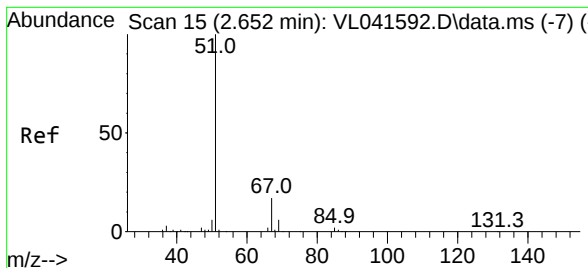
Tgt Ion: 49 Resp: 1254921
Ion Ratio Lower Upper
49 100
128 44.4 23.8 71.5
130 57.1 30.4 91.3



#2
Dichlorodifluoromethane
Concen: 0.048 ppbv
RT: 2.706 min Scan# 32
Delta R.T. -0.003 min
Lab File: VL041642.D
Acq: 10 Oct 2024 14:46

Tgt Ion: 85 Resp: 8706
Ion Ratio Lower Upper
85 100
87 37.8 26.3 39.5





#3

Chlorodifluoromethane

Concen: 0.092 ppbv

RT: 2.851 min Scan# 71

Delta R.T. 0.199 min

Lab File: VL041642.D

Acq: 10 Oct 2024 14:46

Instrument :

MSVOA_L

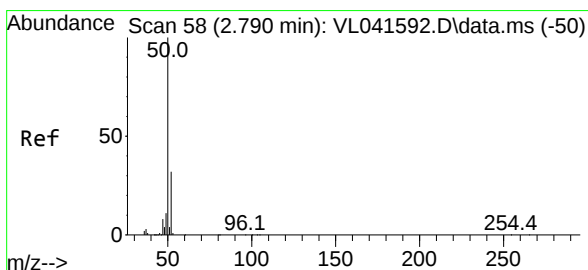
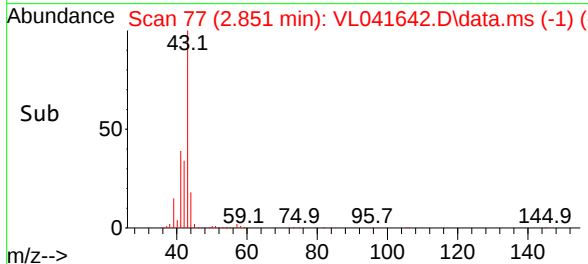
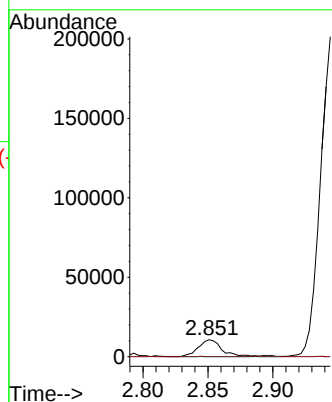
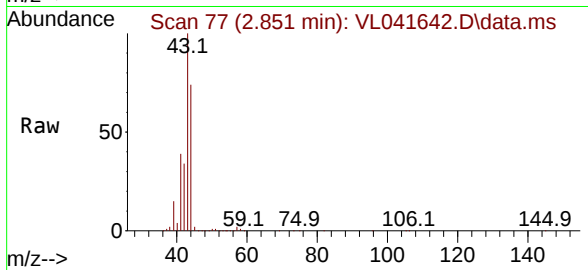
ClientSampleId :

Tgt Ion: 51 Resp: 14023

Ion Ratio Lower Upper

51 100

67 0.3 14.1 21.1#



#4

Chloromethane

Concen: 0.475 ppbv

RT: 2.790 min Scan# 58

Delta R.T. 0.000 min

Lab File: VL041642.D

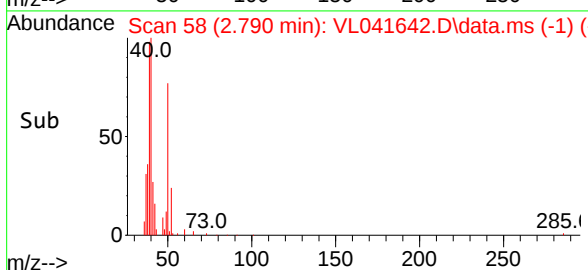
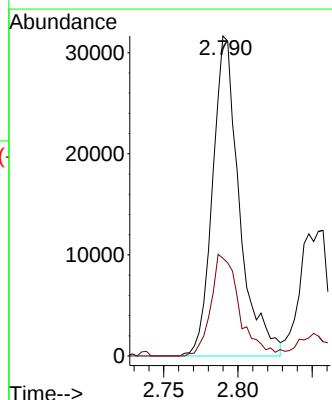
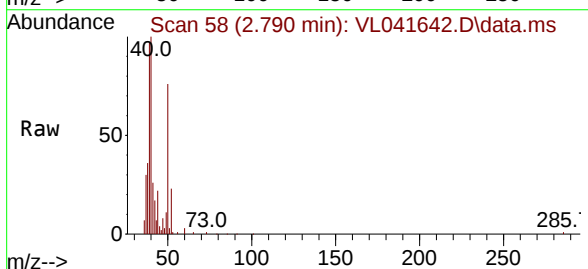
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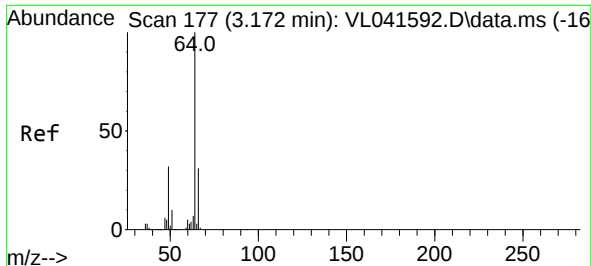
Tgt Ion: 50 Resp: 39785

Ion Ratio Lower Upper

50 100

52 30.6 25.4 38.2

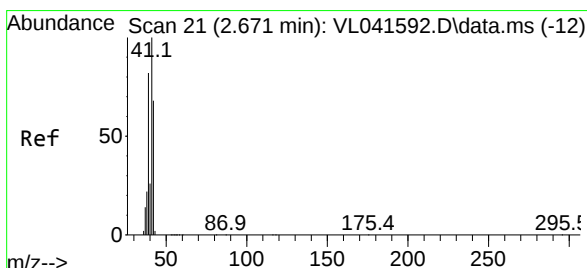
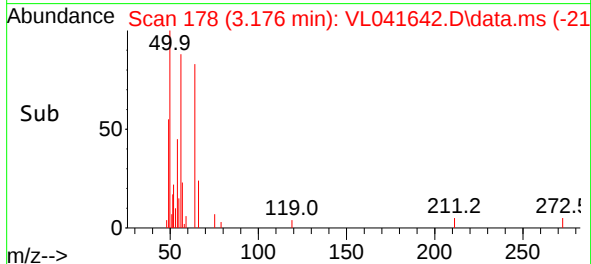
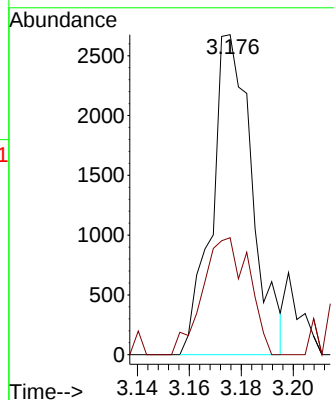
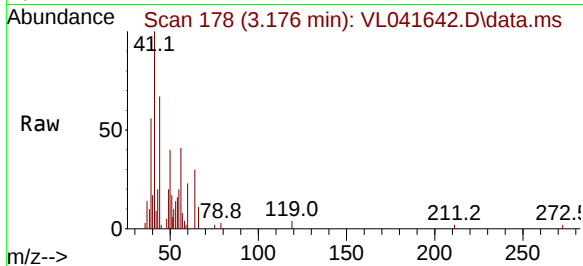




#7
Chloroethane
Concen: 0.102 ppbv
RT: 3.176 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL041642.D
Acq: 10 Oct 2024 14:46

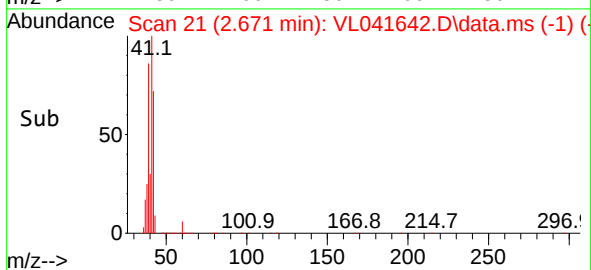
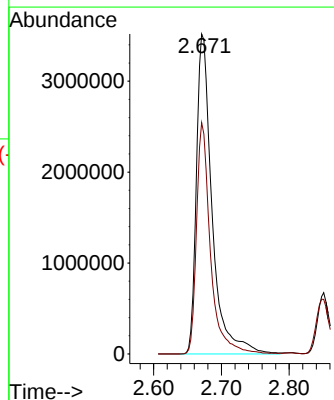
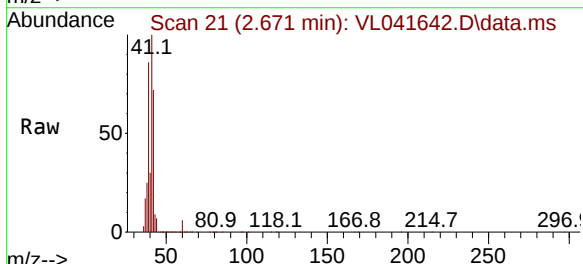
Instrument :
MSVOA_L
ClientSampleId :

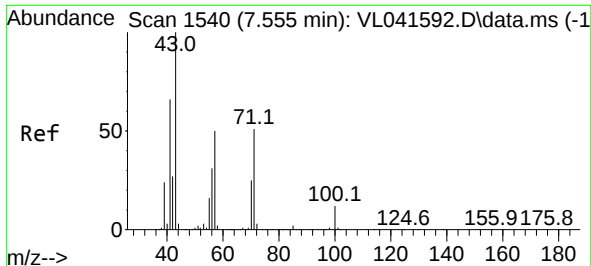
Tgt Ion: 64 Resp: 2879
Ion Ratio Lower Upper
64 100
66 36.5 25.1 37.7



#9
Propene
Concen: 87.966 ppbv
RT: 2.671 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL041642.D
Acq: 10 Oct 2024 14:46

Tgt Ion: 41 Resp: 5647757
Ion Ratio Lower Upper
41 100
42 64.5 55.2 82.8

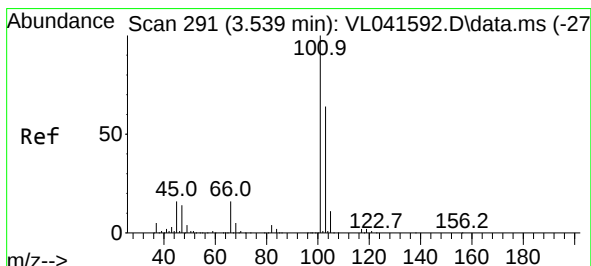
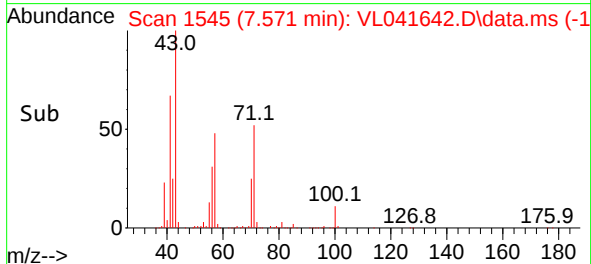
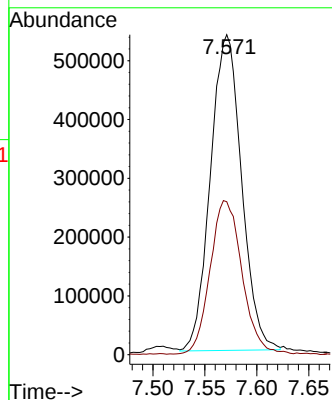
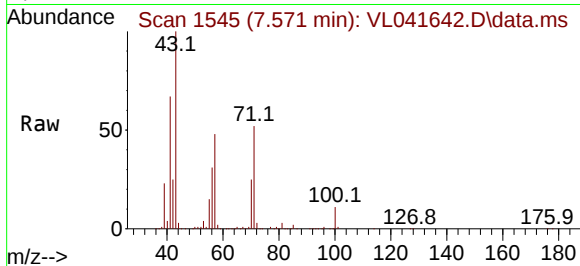




#10
Heptane
Concen: 7.450 ppbv
RT: 7.571 min Scan# 11
Delta R.T. 0.016 min
Lab File: VL041642.D
Acq: 10 Oct 2024 14:46

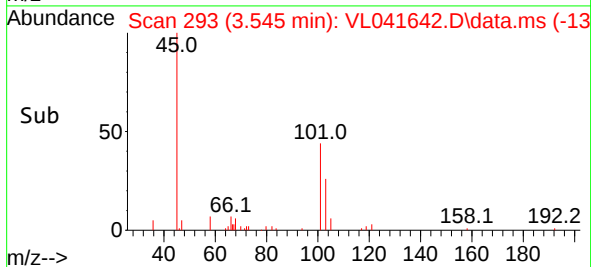
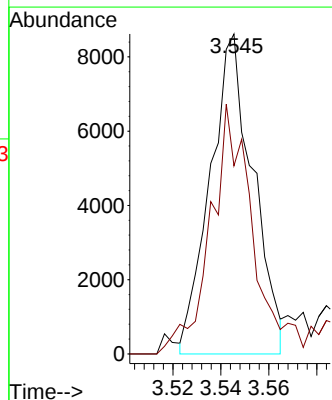
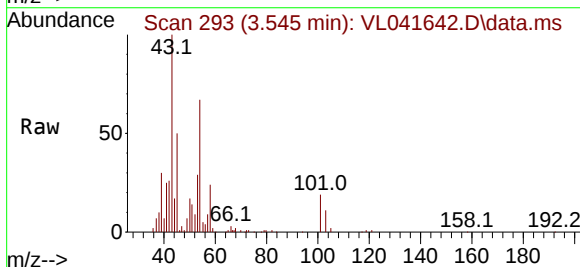
Instrument :
MSVOA_L
ClientSampleId :

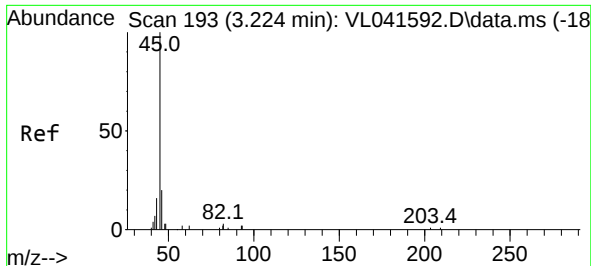
Tgt Ion: 43 Resp: 1119846
Ion Ratio Lower Upper
43 100
57 50.1 39.8 59.8



#11
Trichlorofluoromethane
Concen: 0.055 ppbv
RT: 3.545 min Scan# 293
Delta R.T. 0.006 min
Lab File: VL041642.D
Acq: 10 Oct 2024 14:46

Tgt Ion:101 Resp: 10688
Ion Ratio Lower Upper
101 100
103 52.9 51.2 76.8





#13

Ethanol

Concen: 79.394 ppbv

RT: 3.217 min Scan# 19

Delta R.T. -0.006 min

Lab File: VL041642.D

Acq: 10 Oct 2024 14:46

Instrument :

MSVOA_L

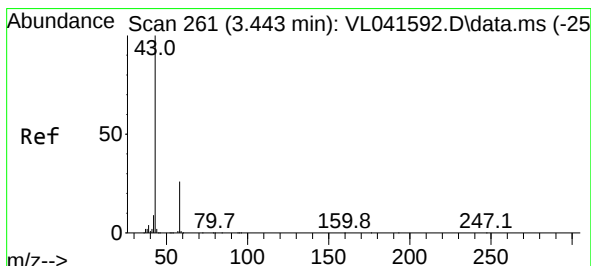
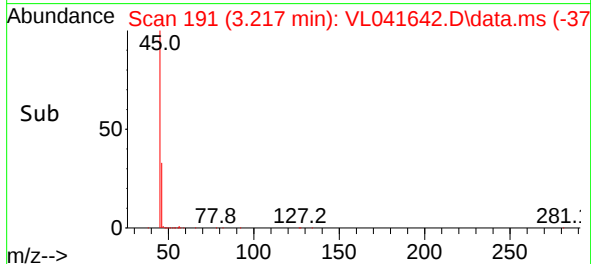
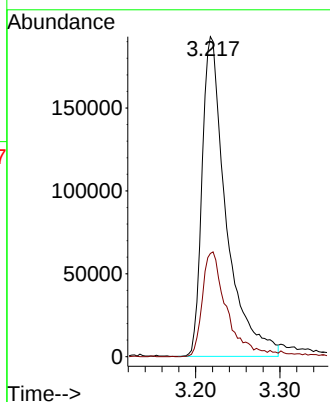
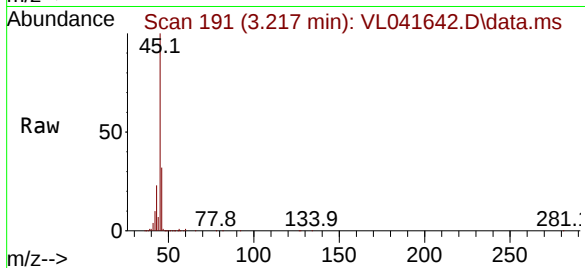
ClientSampleId :

Tgt Ion: 45 Resp: 383225

Ion Ratio Lower Upper

45 100

46 34.8 15.2 60.8



#15

Acetone

Concen: 39.561 ppbv

RT: 3.446 min Scan# 262

Delta R.T. 0.003 min

Lab File: VL041642.D

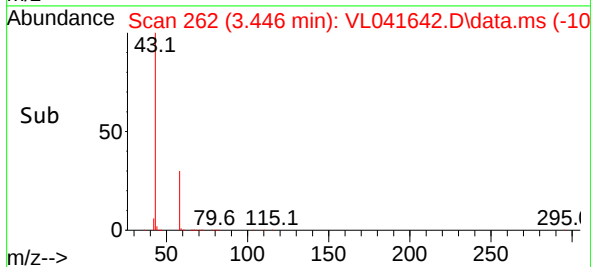
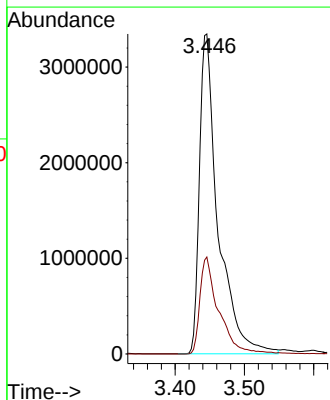
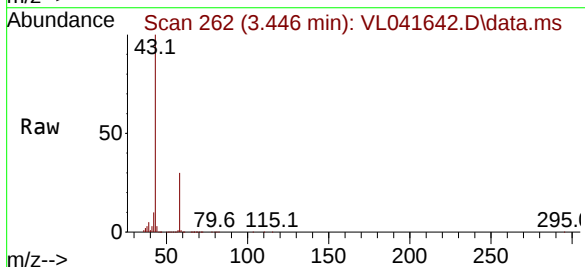
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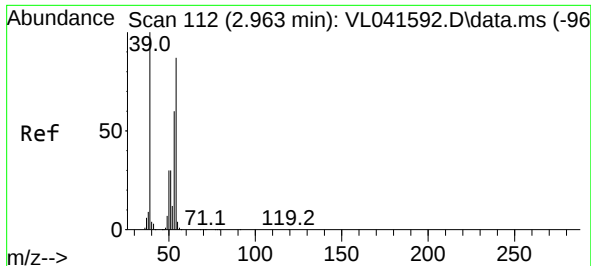
Tgt Ion: 43 Resp: 6232789

Ion Ratio Lower Upper

43 100

58 31.1 21.5 32.3





#16

1,3-Butadiene

Concen: 35.841 ppbv

RT: 2.944 min Scan# 106

Delta R.T. -0.019 min

Lab File: VL041642.D

Acq: 10 Oct 2024 14:46

Instrument :

MSVOA_L

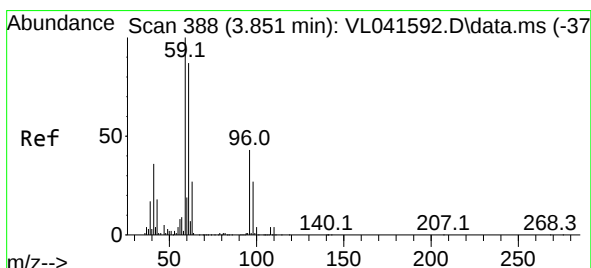
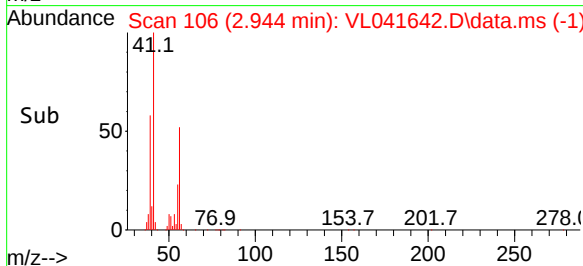
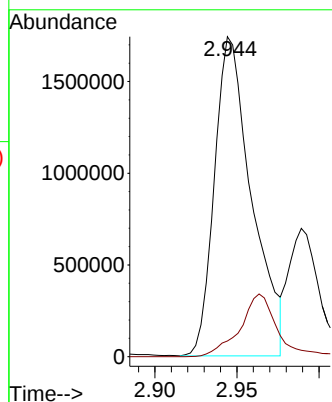
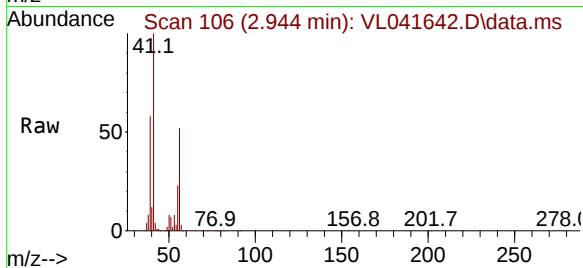
ClientSampleId :

Tgt Ion: 39 Resp: 2746476

Ion Ratio Lower Upper

39 100

54 19.8 62.9 94.3#



#17

tert-Butyl alcohol

Concen: 4.570 ppbv

RT: 3.864 min Scan# 392

Delta R.T. 0.013 min

Lab File: VL041642.D

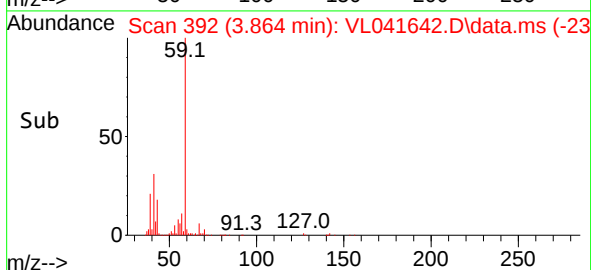
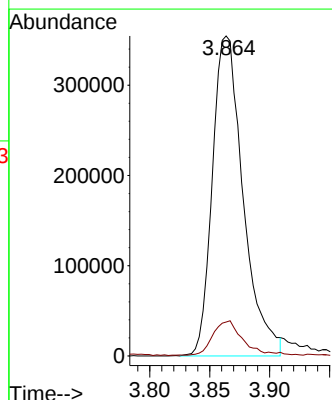
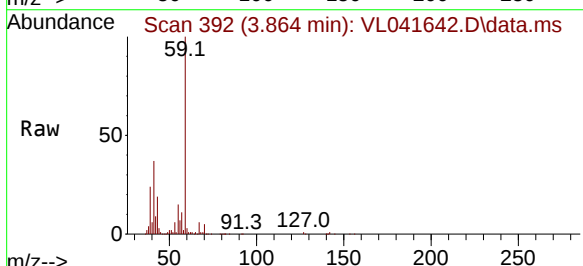
Acq: 10 Oct 2024 14:46

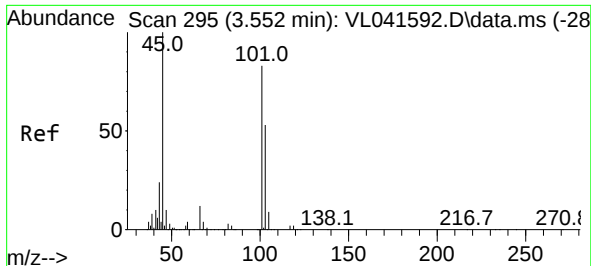
Tgt Ion: 59 Resp: 633272

Ion Ratio Lower Upper

59 100

57 11.5 8.7 13.1

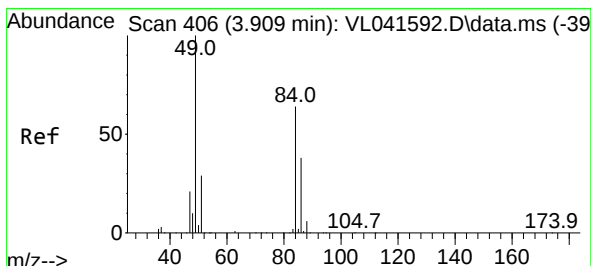
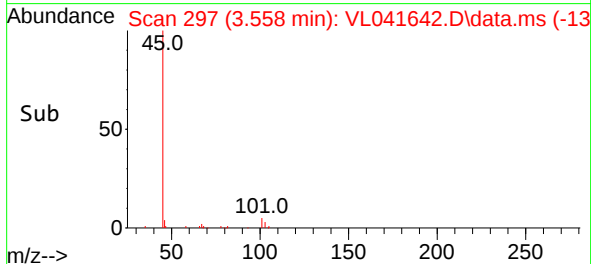
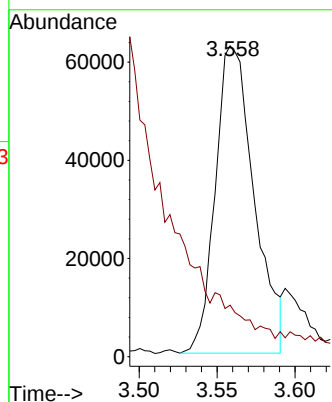
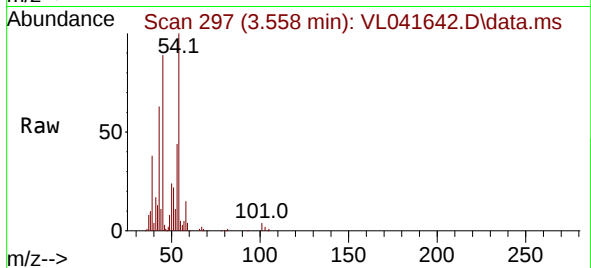




#19
Isopropyl Alcohol
Concen: 1.343 ppbv
RT: 3.558 min Scan# 295
Delta R.T. 0.006 min
Lab File: VL041642.D
Acq: 10 Oct 2024 14:46

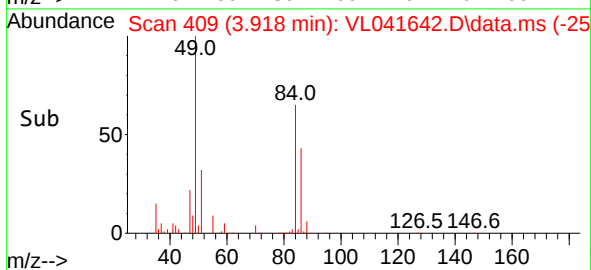
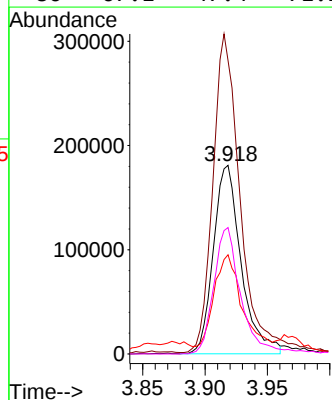
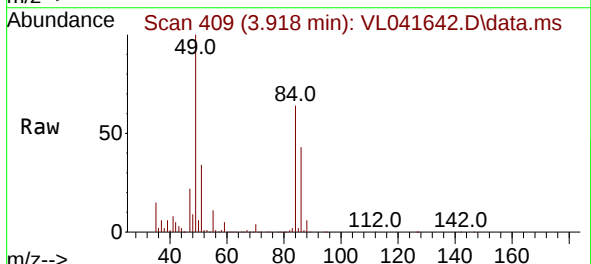
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MSVOA_L
ClientSampleId :

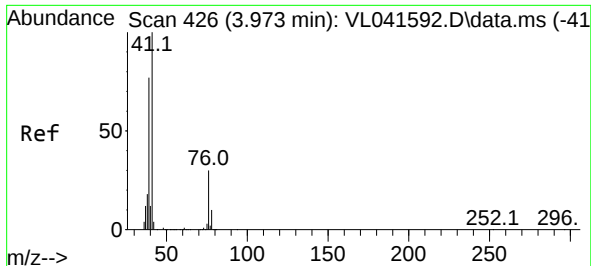
Tgt Ion: 45 Resp: 108300
Ion Ratio Lower Upper
45 100
58 0.0 2.1 3.1#



#20
Methylene Chloride
Concen: 4.738 ppbv
RT: 3.918 min Scan# 409
Delta R.T. 0.010 min
Lab File: VL041642.D
Acq: 10 Oct 2024 14:46

Tgt Ion: 84 Resp: 280427
Ion Ratio Lower Upper
84 100
49 155.1 124.3 186.5
51 47.3 36.3 54.5
86 67.1 47.4 71.2





#21

Allyl Chloride

Concen: 0.721 ppbv

RT: 3.970 min Scan# 41

Delta R.T. -0.003 min

Lab File: VL041642.D

Acq: 10 Oct 2024 14:46

Instrument :

MSVOA_L

ClientSampleId :

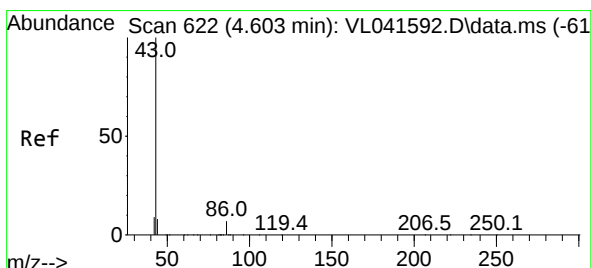
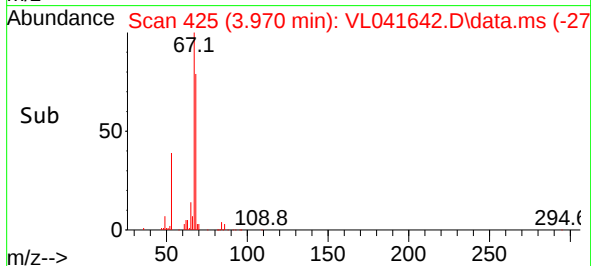
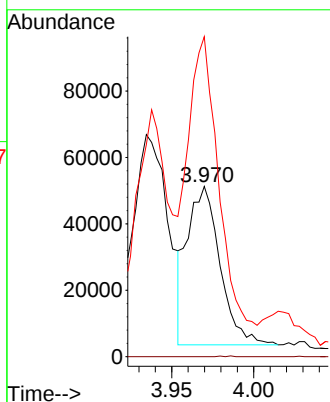
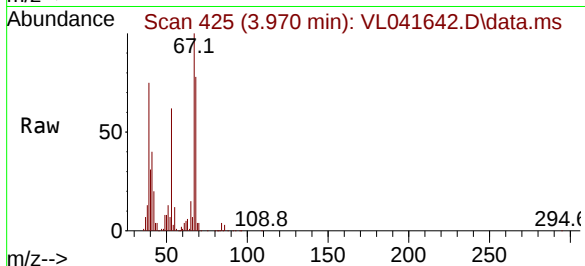
Tgt Ion: 41 Resp: 65870

Ion Ratio Lower Upper

41 100

76 0.0 23.8 35.6#

39 341.3 63.9 95.9#



#23

Vinyl Acetate

Concen: 1.901 ppbv

RT: 4.594 min Scan# 619

Delta R.T. -0.010 min

Lab File: VL041642.D

Acq: 10 Oct 2024 14:46

Tgt Ion: 43 Resp: 164746

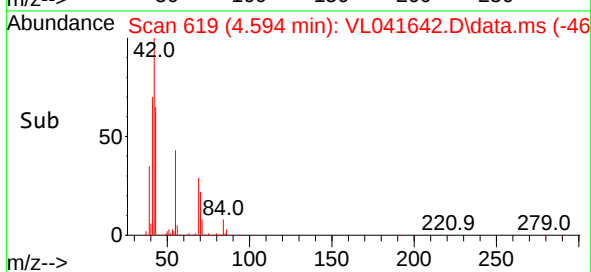
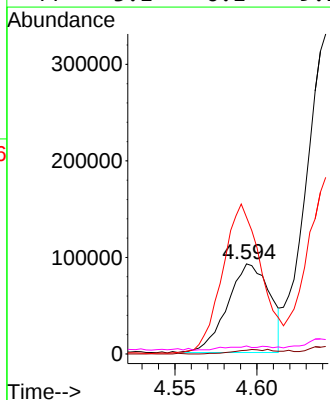
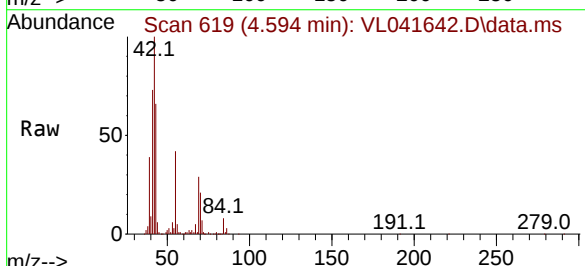
Ion Ratio Lower Upper

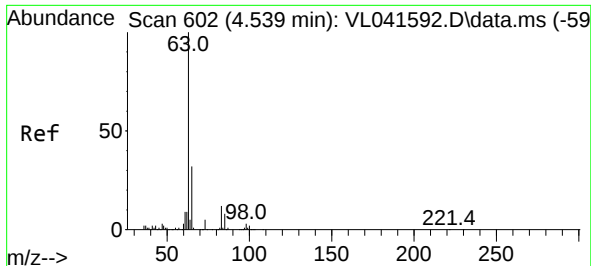
43 100

86 3.5 4.9 7.3#

42 150.8 8.0 12.0#

44 3.1 6.1 9.1#

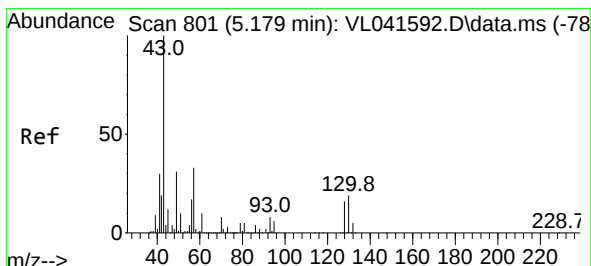
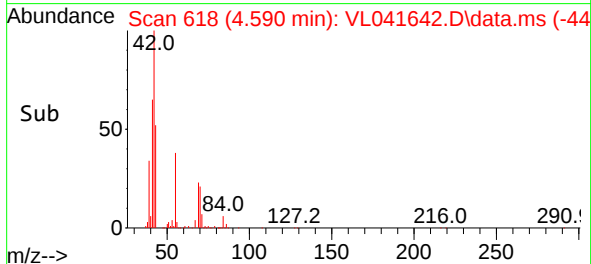
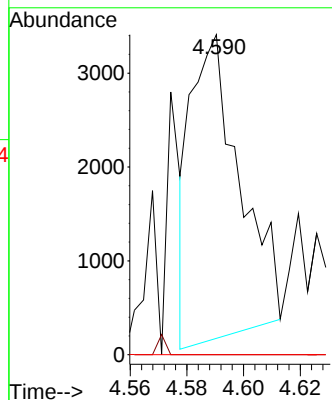
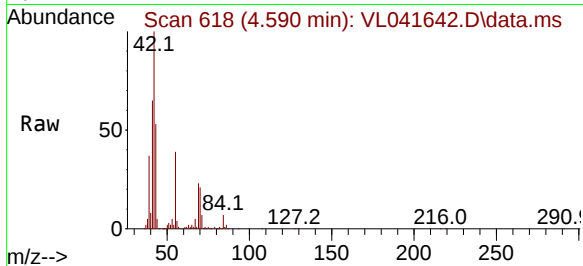




#24
1,1-Dichloroethane
Concen: 0.030 ppbv
RT: 4.590 min Scan# 61
Delta R.T. 0.051 min
Lab File: VL041642.D
Acq: 10 Oct 2024 14:46

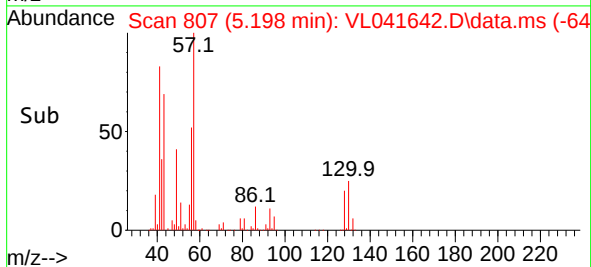
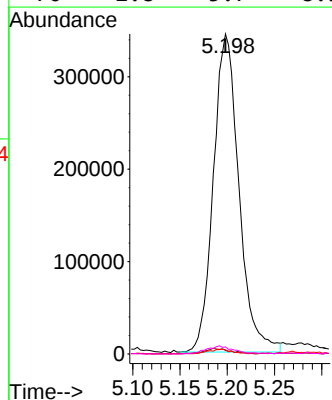
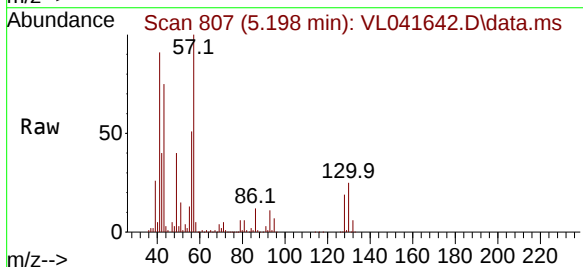
Instrument :
MSVOA_L
ClientSampleId :

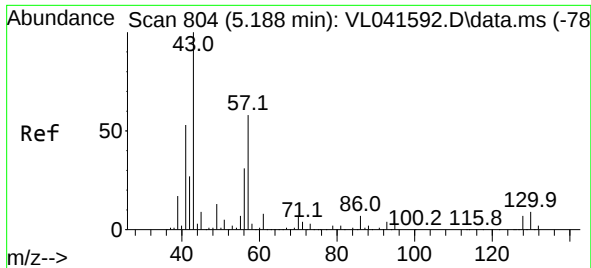
Tgt Ion: 63 Resp: 3922
Ion Ratio Lower Upper
63 100
98 0.0 1.7 5.1#
100 0.0 1.1 3.3#



#25
Ethyl Acetate
Concen: 2.287 ppbv
RT: 5.198 min Scan# 807
Delta R.T. 0.019 min
Lab File: VL041642.D
Acq: 10 Oct 2024 14:46

Tgt Ion: 43 Resp: 646847
Ion Ratio Lower Upper
43 100
45 1.9 8.2 12.2#
61 1.6 8.0 12.0#
70 2.8 5.7 8.5#



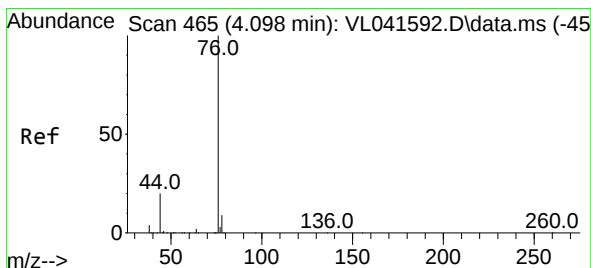
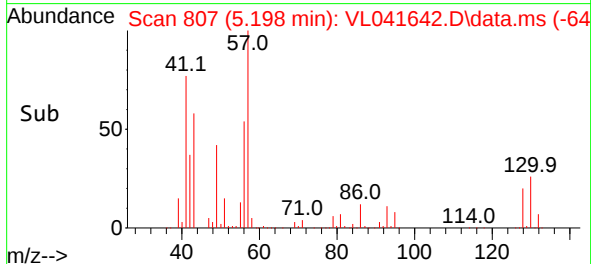
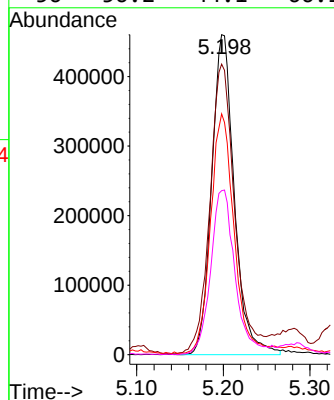
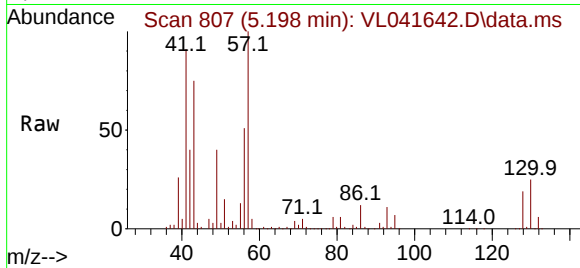


#26
Hexane
Concen: 7.092 ppbv
RT: 5.198 min Scan# 804
Delta R.T. 0.010 min
Lab File: VL041642.D
Acq: 10 Oct 2024 14:46

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 57 Resp: 836536

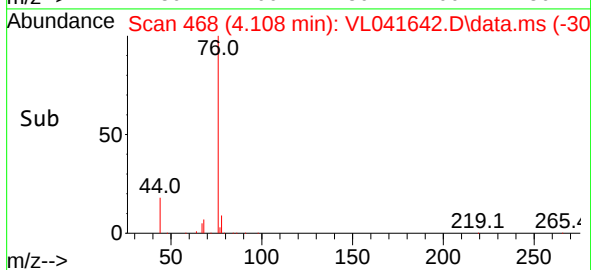
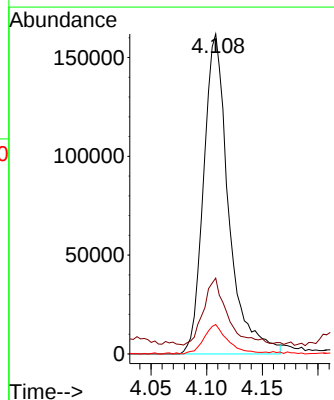
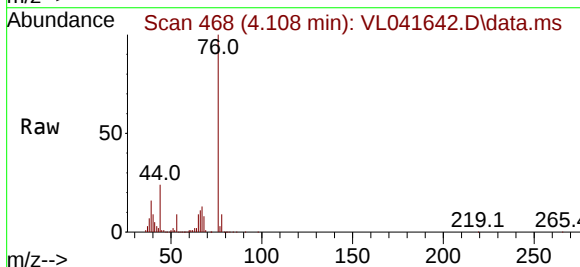
Ion	Ratio	Lower	Upper
57	100		
41	98.6	75.7	113.5
43	81.7	198.5	297.7#
56	56.2	44.1	66.1

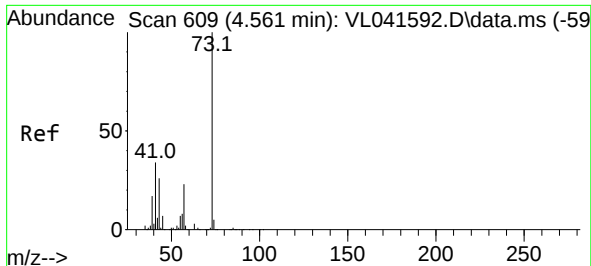


#27
Carbon Disulfide
Concen: 2.017 ppbv
RT: 4.108 min Scan# 468
Delta R.T. 0.010 min
Lab File: VL041642.D
Acq: 10 Oct 2024 14:46

Tgt Ion: 76 Resp: 252882

Ion	Ratio	Lower	Upper
76	100		
44	20.1	15.8	23.8
78	9.4	7.5	11.3





#28

Methyl tert-Butyl Ether

Concen: 0.042 ppbv

RT: 4.568 min Scan# 611

Delta R.T. 0.006 min

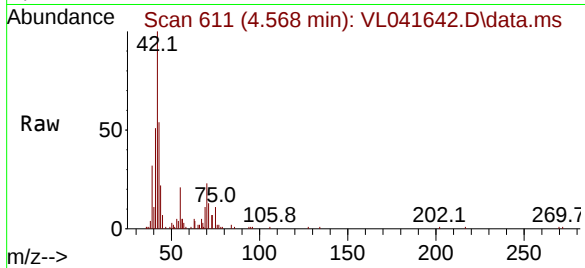
Lab File: VL041642.D

Acq: 10 Oct 2024 14:46

Instrument :

MSVOA_L

ClientSampleId :

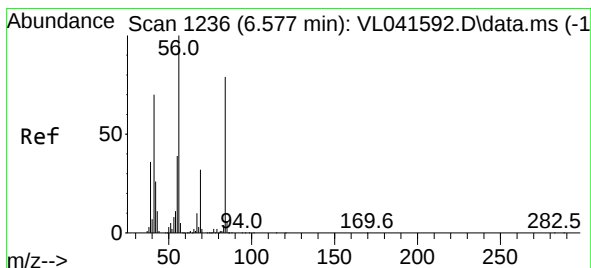
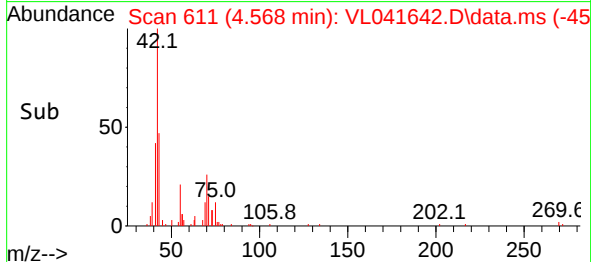
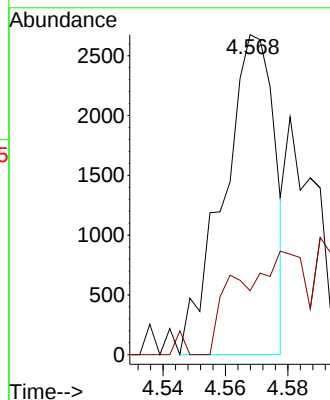


Tgt Ion: 73 Resp: 3055

Ion Ratio Lower Upper

73 100

57 0.0 19.3 28.9#



#30

Cyclohexane

Concen: 0.847 ppbv

RT: 6.587 min Scan# 1239

Delta R.T. 0.010 min

Lab File: VL041642.D

Acq: 10 Oct 2024 14:46

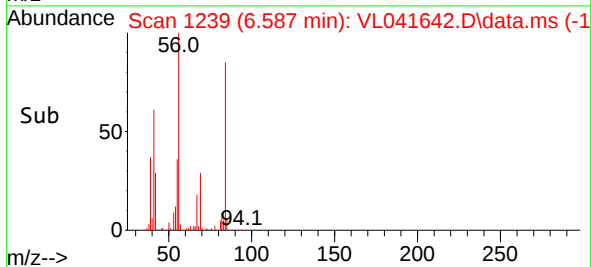
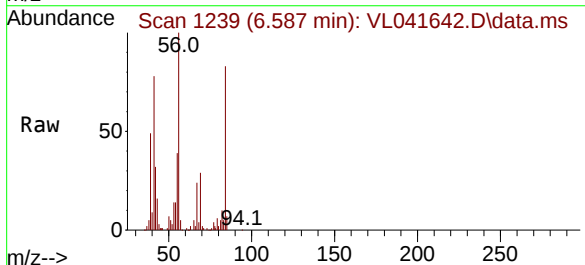
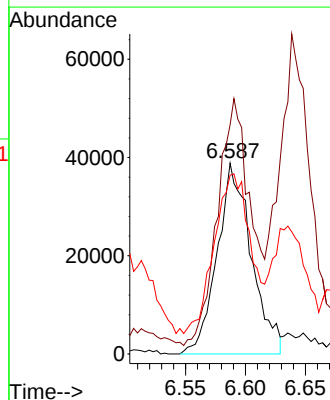
Tgt Ion: 84 Resp: 76996

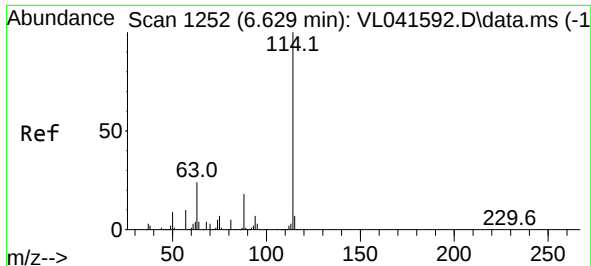
Ion Ratio Lower Upper

84 100

56 118.4 111.5 167.3

41 100.2 70.9 106.3





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.642 min Scan# 11

Delta R.T. 0.013 min

Lab File: VL041642.D

Acq: 10 Oct 2024 14:46

Instrument :

MSVOA_L

ClientSampleId :

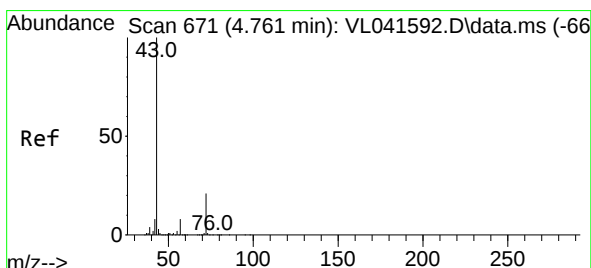
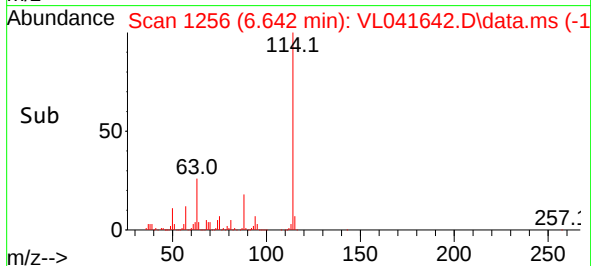
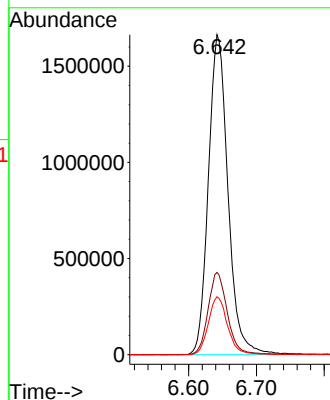
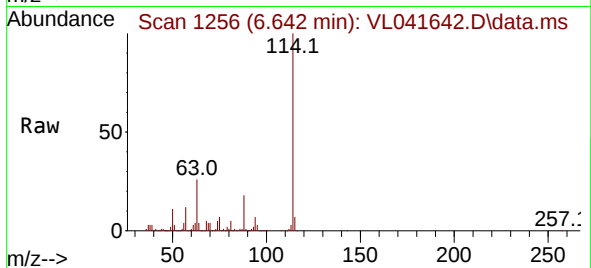
Tgt Ion:114 Resp: 3334107

Ion Ratio Lower Upper

114 100

63 25.6 20.2 30.2

88 17.8 14.2 21.4



#34

2-Butanone

Concen: 11.554 ppbv

RT: 4.770 min Scan# 674

Delta R.T. 0.010 min

Lab File: VL041642.D

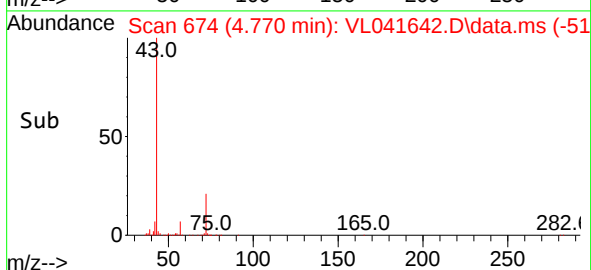
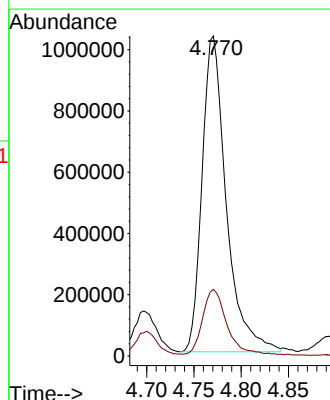
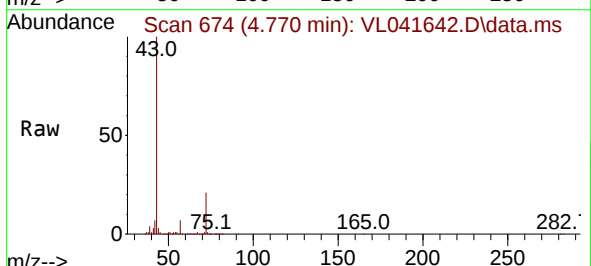
Acq: 10 Oct 2024 14:46

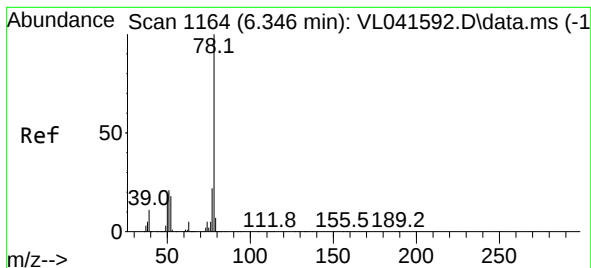
Tgt Ion: 43 Resp: 1836874

Ion Ratio Lower Upper

43 100

72 22.5 16.8 25.2





#36

Benzene

Concen: 3.656 ppbv

RT: 6.359 min Scan# 1164

Delta R.T. 0.013 min

Lab File: VL041642.D

Acq: 10 Oct 2024 14:46

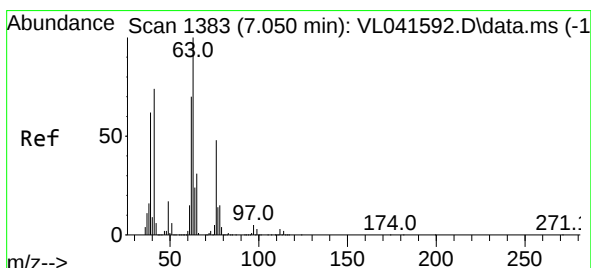
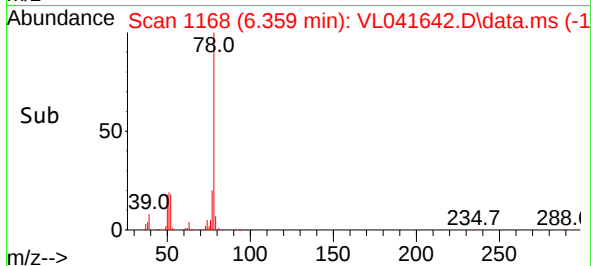
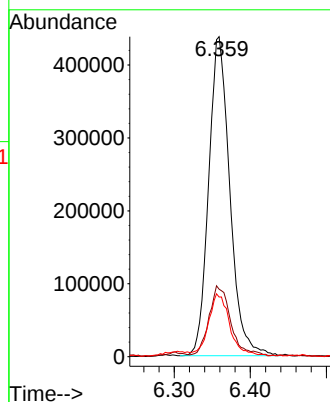
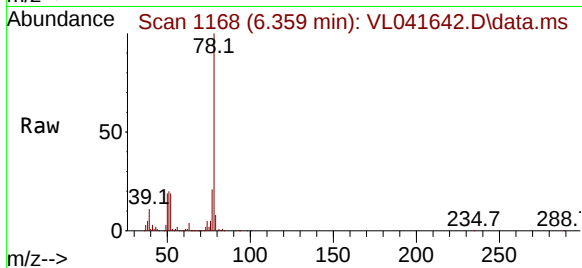
Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 78 Resp: 846407

Ion	Ratio	Lower	Upper
78	100		
77	20.7	17.8	26.6
50	18.2	15.4	23.0



#39

1,2-Dichloropropane

Concen: 8.841 ppbv

RT: 6.642 min Scan# 1256

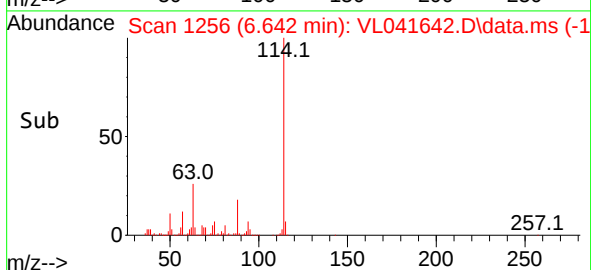
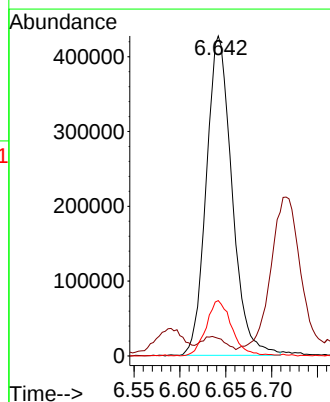
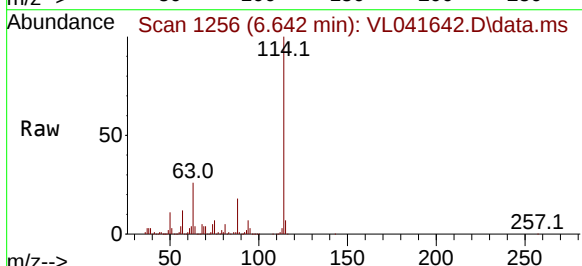
Delta R.T. -0.408 min

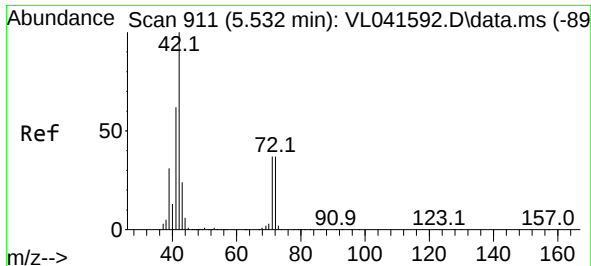
Lab File: VL041642.D

Acq: 10 Oct 2024 14:46

Tgt Ion: 63 Resp: 832781

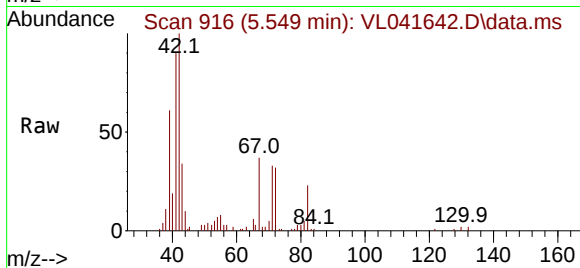
Ion	Ratio	Lower	Upper
63	100		
41	0.0	59.5	89.3#
62	17.3	56.2	84.2#



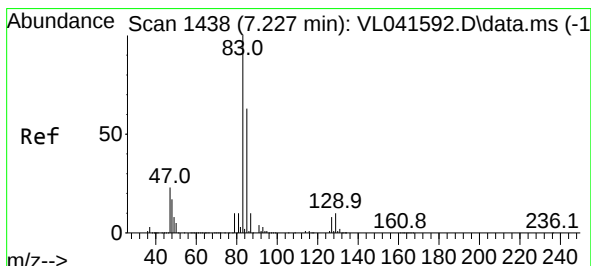
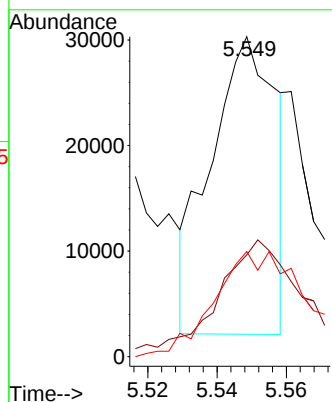
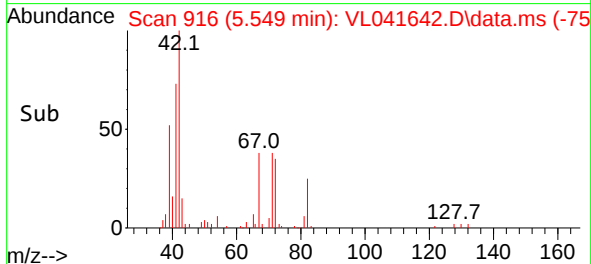


#41
Tetrahydrofuran
Concen: 0.419 ppbv
RT: 5.549 min Scan# 911
Delta R.T. 0.016 min
Lab File: VL041642.D
Acq: 10 Oct 2024 14:46

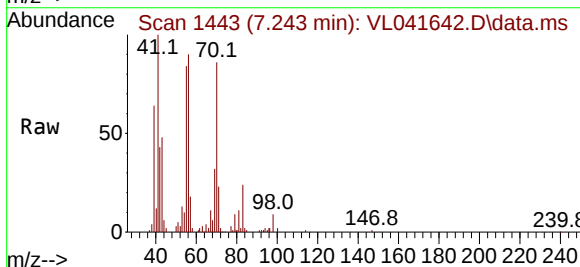
Instrument :
MSVOA_L
ClientSampleId :



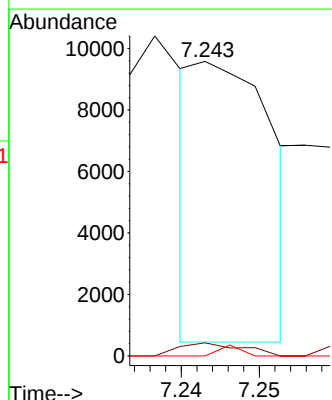
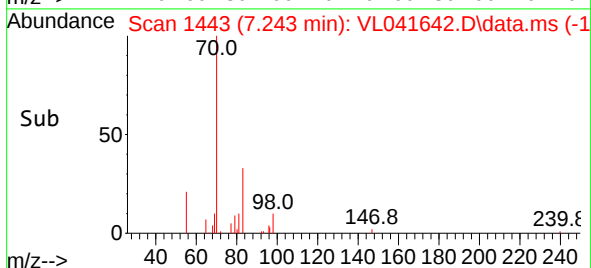
Tgt Ion: 42 Resp: 36642
Ion Ratio Lower Upper
42 100
72 64.7 30.2 45.2#
71 55.9 29.6 44.4#

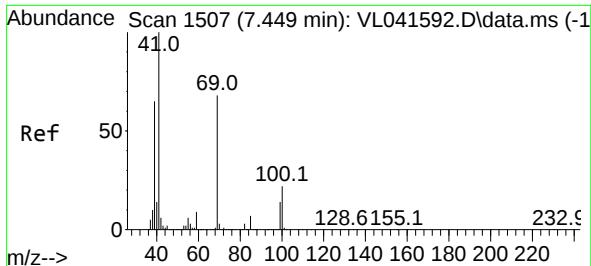


#42
Bromodichloromethane
Concen: 0.034 ppbv
RT: 7.243 min Scan# 1443
Delta R.T. 0.016 min
Lab File: VL041642.D
Acq: 10 Oct 2024 14:46



Tgt Ion: 83 Resp: 6278
Ion Ratio Lower Upper
83 100
85 15.7 50.5 75.7#
127 0.0 6.5 9.7#

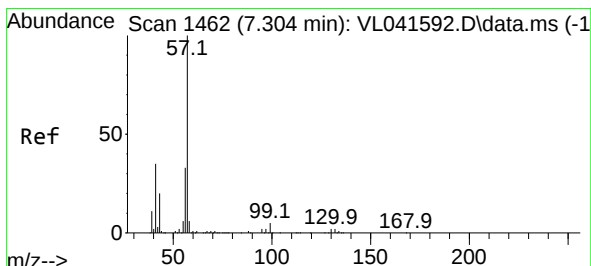
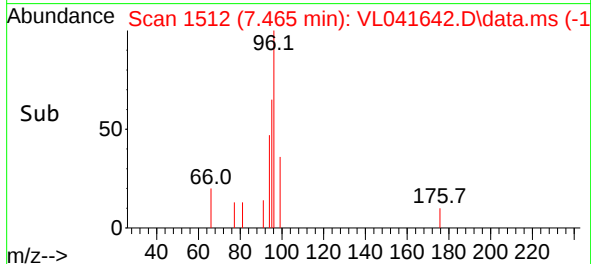
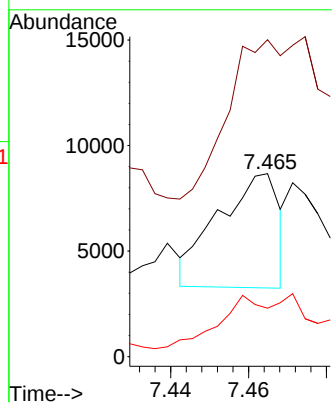
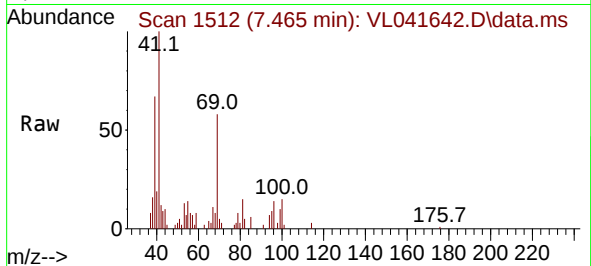




#43
Methyl Methacrylate
Concen: 0.071 ppbv
RT: 7.465 min Scan# 1512
Delta R.T. 0.016 min
Lab File: VL041642.D
Acq: 10 Oct 2024 14:46

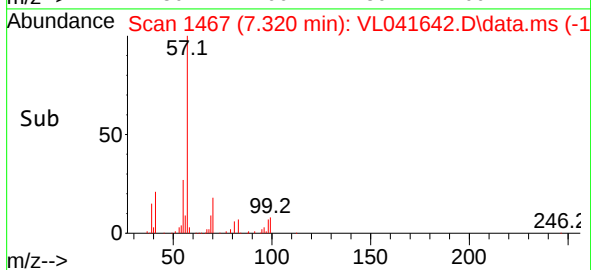
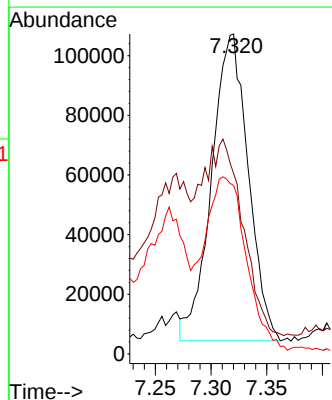
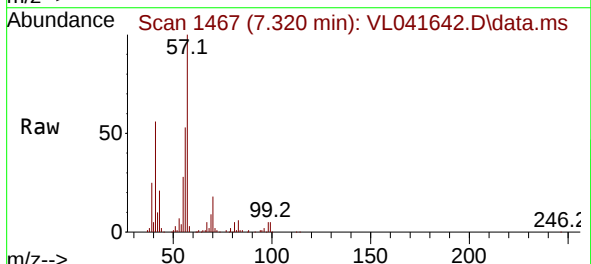
Instrument :
MSVOA_L
ClientSampleId :

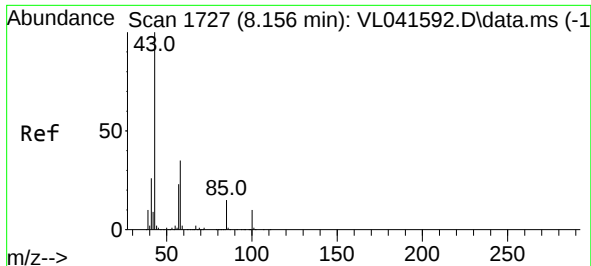
Tgt Ion: 69 Resp: 5853
Ion Ratio Lower Upper
69 100
41 0.0 121.8 182.6#
100 0.0 26.5 39.7#



#44
2,2,4-Trimethylpentane
Concen: 0.587 ppbv
RT: 7.320 min Scan# 1467
Delta R.T. 0.016 min
Lab File: VL041642.D
Acq: 10 Oct 2024 14:46

Tgt Ion: 57 Resp: 234970
Ion Ratio Lower Upper
57 100
41 141.0 27.0 40.6#
56 66.8 25.5 38.3#





#50

4-Methyl-2-Pentanone

Concen: 1.656 ppbv

RT: 8.172 min Scan# 1

Delta R.T. 0.016 min

Lab File: VL041642.D

Acq: 10 Oct 2024 14:46

Instrument :

MSVOA_L

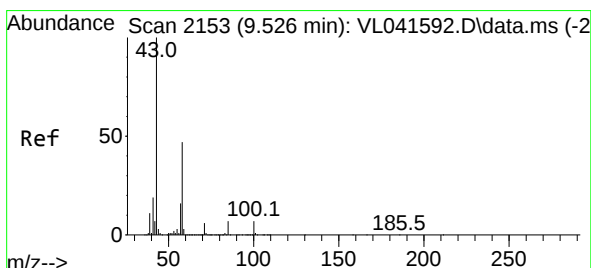
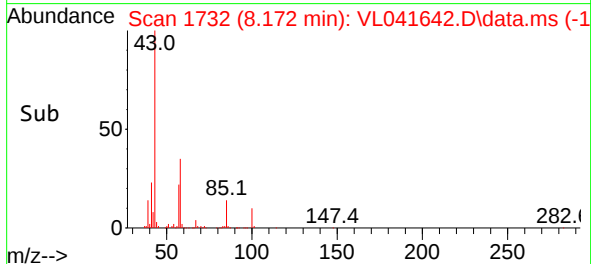
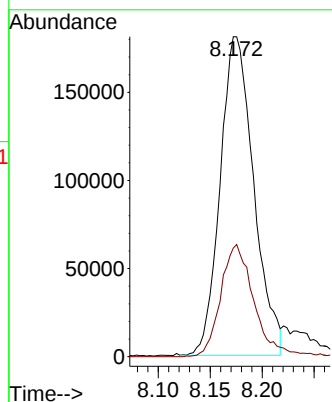
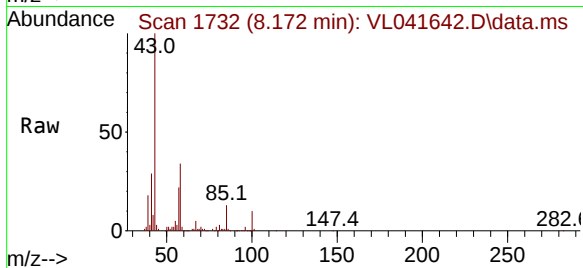
ClientSampleId :

Tgt Ion: 43 Resp: 406601

Ion Ratio Lower Upper

43 100

58 35.1 27.8 41.8



#51

2-Hexanone

Concen: 1.493 ppbv

RT: 9.539 min Scan# 2157

Delta R.T. 0.013 min

Lab File: VL041642.D

Acq: 10 Oct 2024 14:46

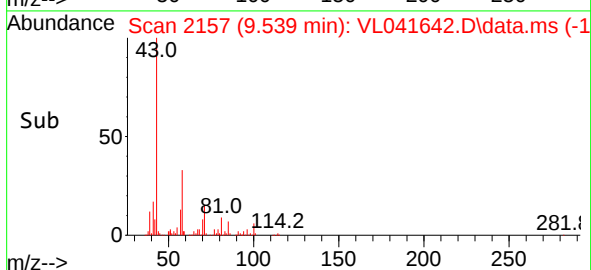
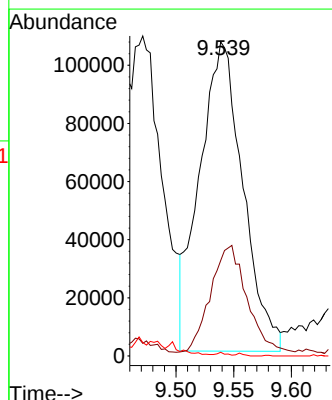
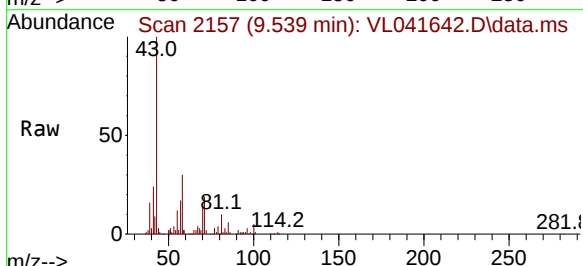
Tgt Ion: 43 Resp: 277343

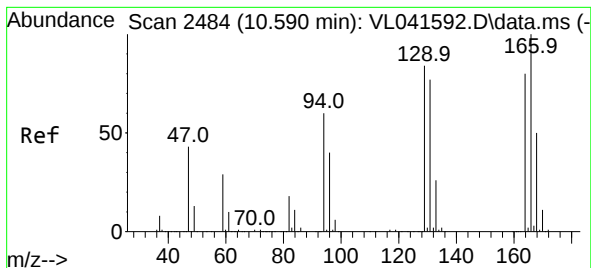
Ion Ratio Lower Upper

43 100

58 28.9 37.2 55.8#

98 0.0 0.5 0.7#





#52

Tetrachloroethene

Concen: 3.203 ppbv

RT: 10.603 min Scan# 2484

Delta R.T. 0.013 min

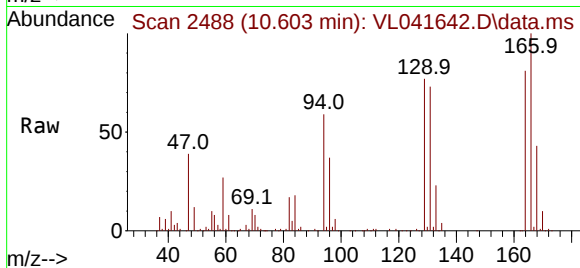
Lab File: VL041642.D

Acq: 10 Oct 2024 14:46

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion:164 Resp: 268567

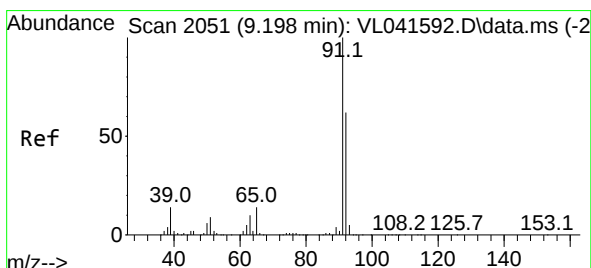
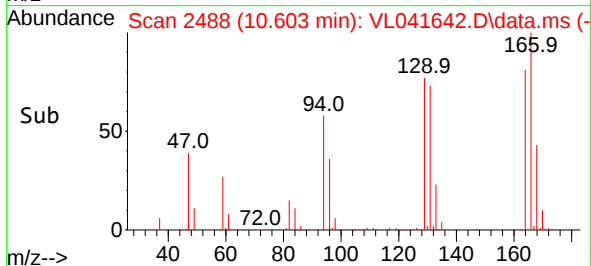
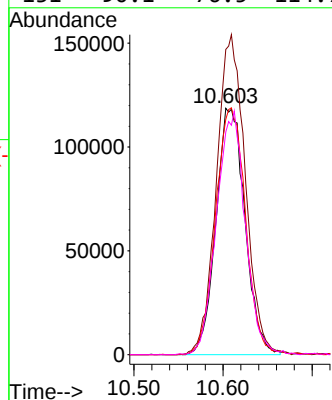
Ion Ratio Lower Upper

164 100

166 123.7 99.4 149.2

129 95.3 83.5 125.3

131 90.1 76.5 114.7



#53

Toluene

Concen: 13.880 ppbv

RT: 9.211 min Scan# 2055

Delta R.T. 0.013 min

Lab File: VL041642.D

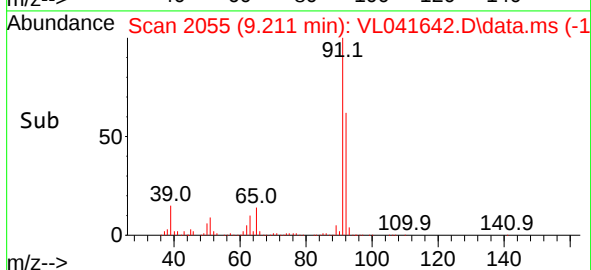
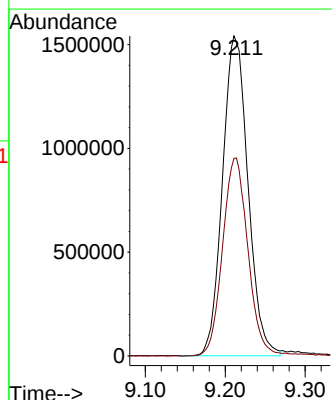
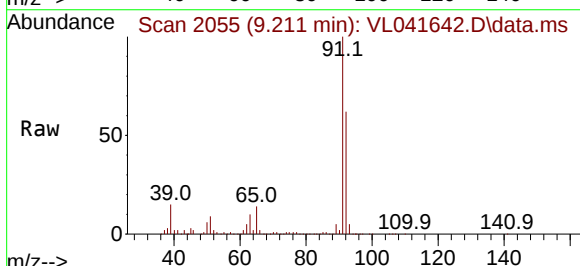
Acq: 10 Oct 2024 14:46

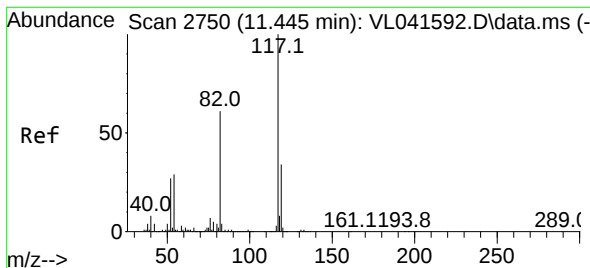
Tgt Ion: 91 Resp: 3411494

Ion Ratio Lower Upper

91 100

92 62.4 48.9 73.3

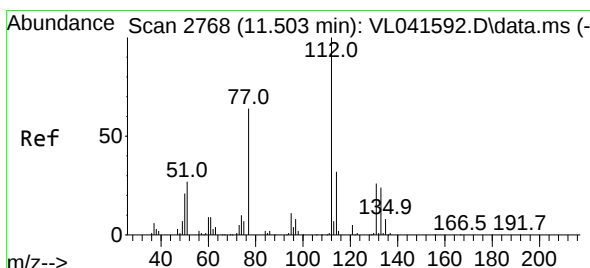
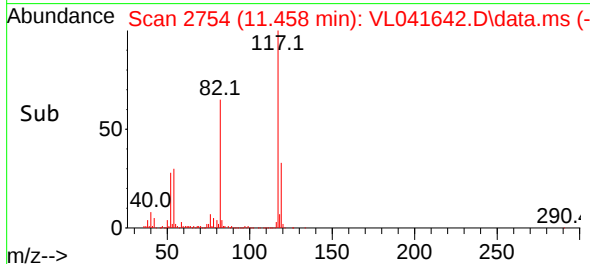
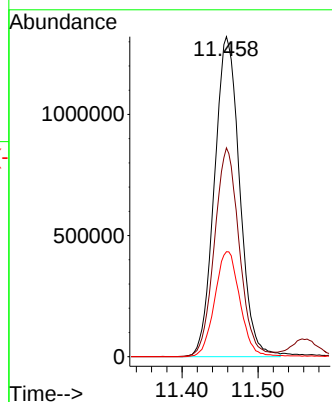
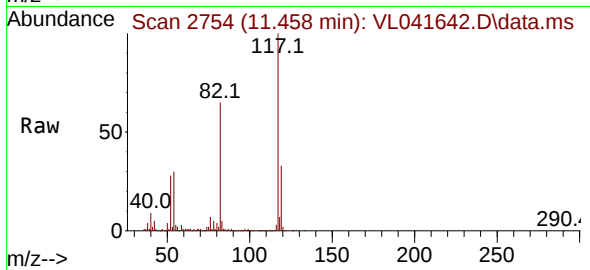




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.458 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL041642.D
Acq: 10 Oct 2024 14:46

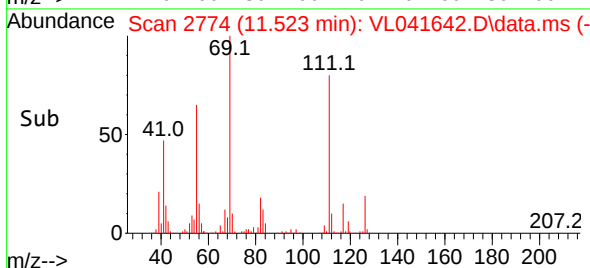
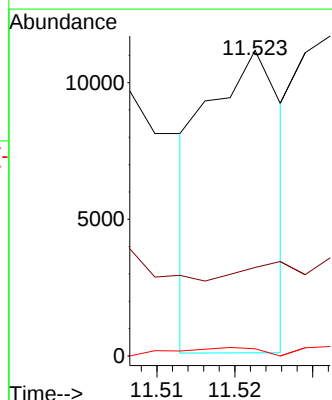
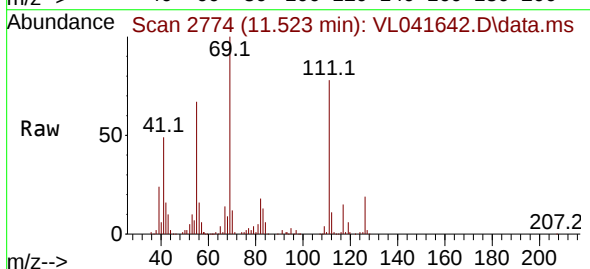
Instrument :
MSVOA_L
ClientSampleId :

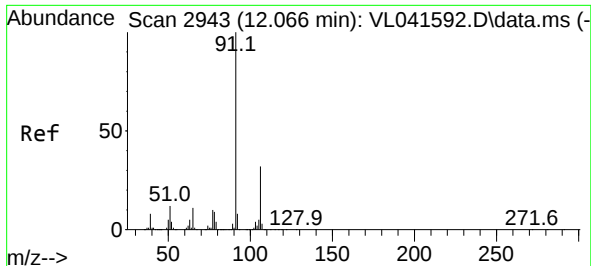
Tgt Ion:117 Resp: 3040255
Ion Ratio Lower Upper
117 100
82 64.2 49.4 74.2
119 33.1 24.4 36.6



#57
Chlorobenzene
Concen: 0.034 ppbv
RT: 11.523 min Scan# 2774
Delta R.T. 0.019 min
Lab File: VL041642.D
Acq: 10 Oct 2024 14:46

Tgt Ion:112 Resp: 7480
Ion Ratio Lower Upper
112 100
77 9.4 52.0 78.0#
114 8.6 28.6 35.0#

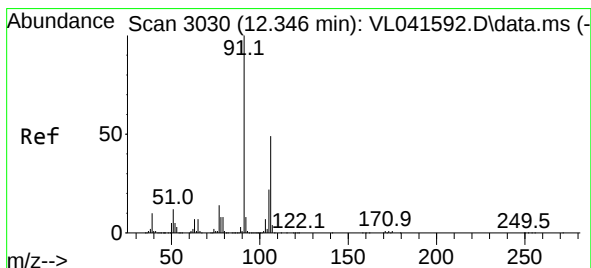
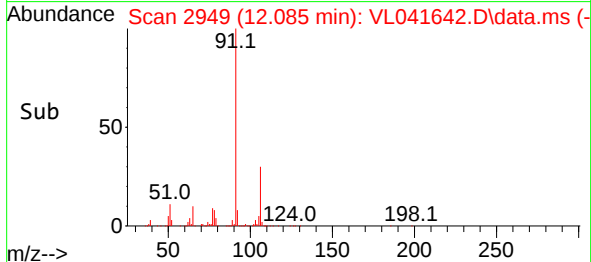
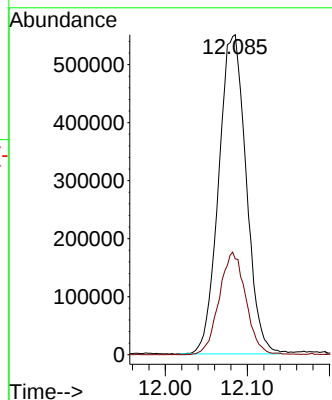
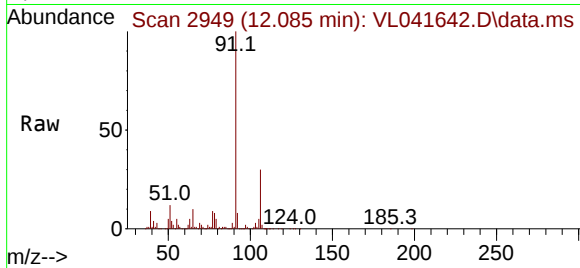




#58
Ethyl Benzene
Concen: 3.939 ppbv
RT: 12.085 min Scan# 2949
Delta R.T. 0.019 min
Lab File: VL041642.D
Acq: 10 Oct 2024 14:46

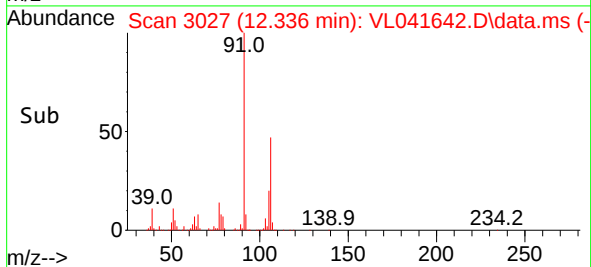
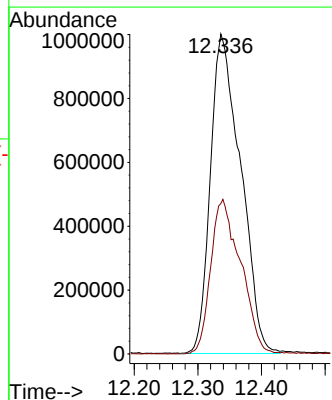
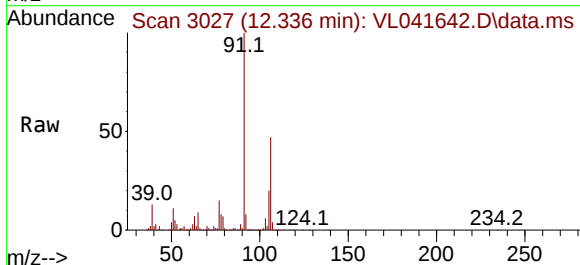
Instrument :
MSVOA_L
ClientSampleId :

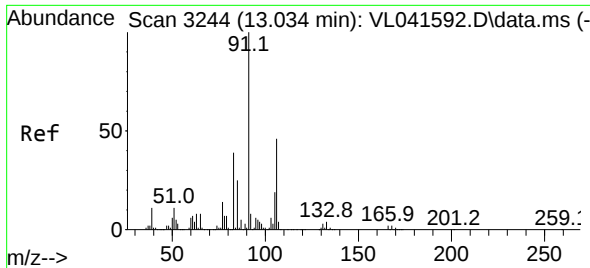
Tgt Ion: 91 Resp: 1281844
Ion Ratio Lower Upper
91 100
106 30.0 25.8 38.6



#59
m/p-Xylene
Concen: 11.404 ppbv
RT: 12.336 min Scan# 3027
Delta R.T. -0.010 min
Lab File: VL041642.D
Acq: 10 Oct 2024 14:46

Tgt Ion: 91 Resp: 3303410
Ion Ratio Lower Upper
91 100
106 48.1 36.8 55.2

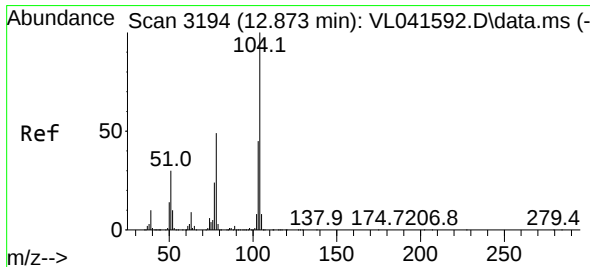
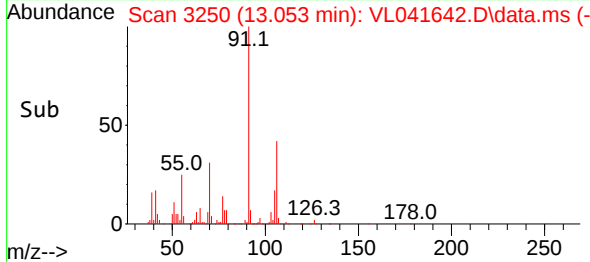
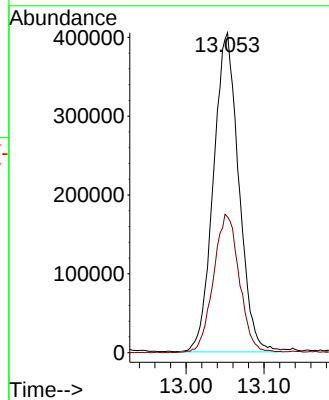
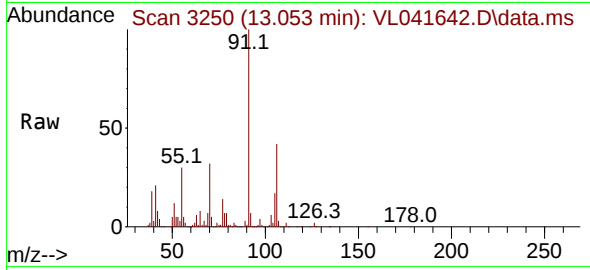




#60
o-Xylene
Concen: 3.293 ppbv
RT: 13.053 min Scan# 31
Delta R.T. 0.019 min
Lab File: VL041642.D
Acq: 10 Oct 2024 14:46

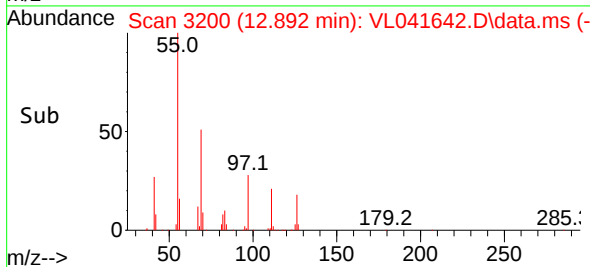
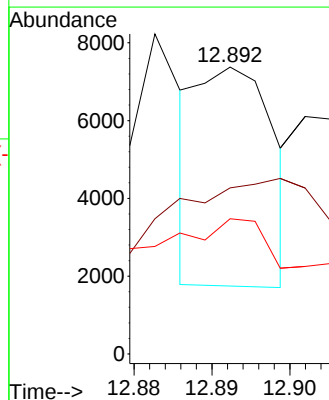
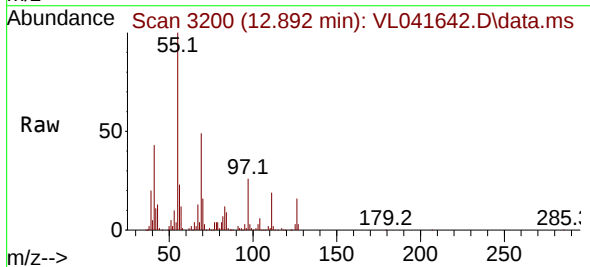
Instrument :
MSVOA_L
ClientSampleId :

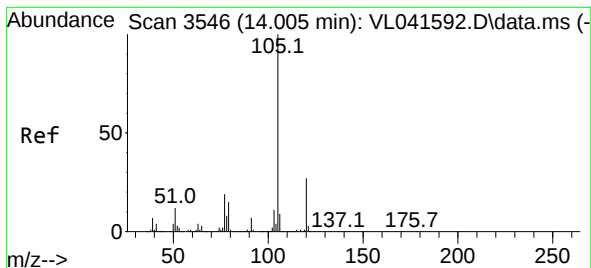
Tgt Ion: 91 Resp: 914387
Ion Ratio Lower Upper
91 100
106 44.5 23.1 69.3



#61
Styrene
Concen: 0.033 ppbv
RT: 12.892 min Scan# 3200
Delta R.T. 0.019 min
Lab File: VL041642.D
Acq: 10 Oct 2024 14:46

Tgt Ion: 104 Resp: 3794
Ion Ratio Lower Upper
104 100
78 0.0 39.8 59.6#
103 227.8 37.4 56.0#





#62

Isopropylbenzene

Concen: 0.085 ppbv

RT: 14.024 min Scan# 31

Delta R.T. 0.019 min

Lab File: VL041642.D

Acq: 10 Oct 2024 14:46

Instrument :

MSVOA_L

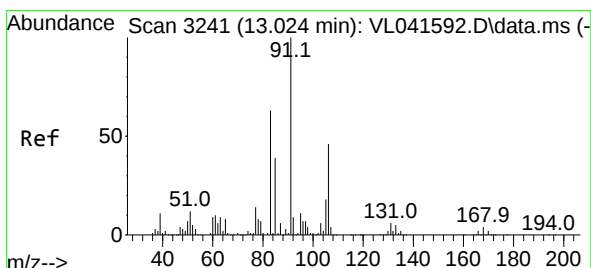
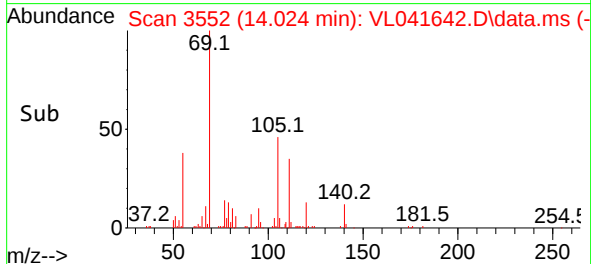
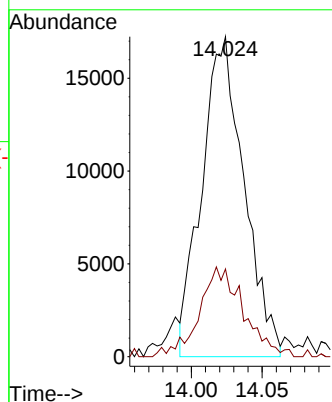
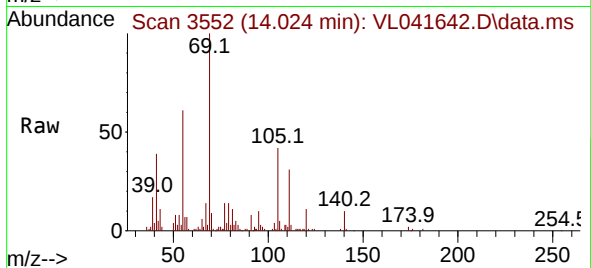
ClientSampleId :

Tgt Ion:105 Resp: 35760

Ion Ratio Lower Upper

105 100

120 29.5 20.9 31.3



#63

1,1,2,2-Tetrachloroethane

Concen: 0.040 ppbv

RT: 13.056 min Scan# 3251

Delta R.T. 0.032 min

Lab File: VL041642.D

Acq: 10 Oct 2024 14:46

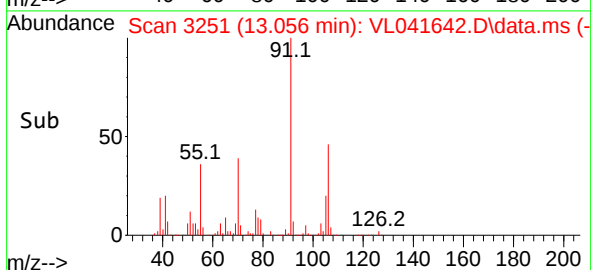
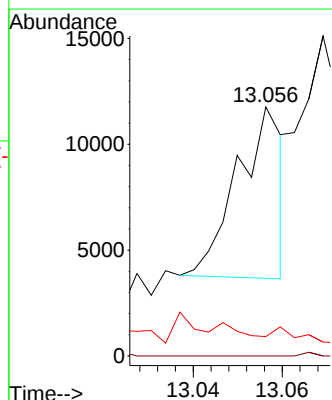
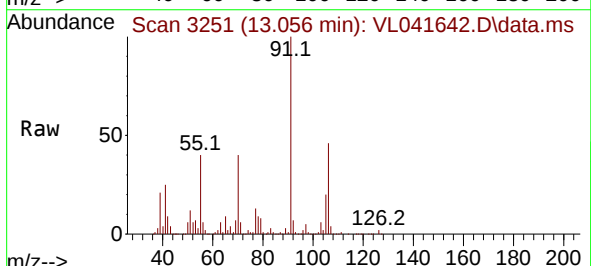
Tgt Ion: 83 Resp: 5670

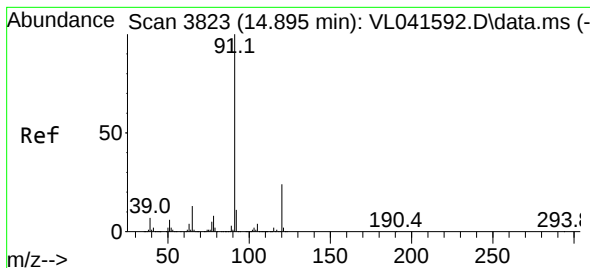
Ion Ratio Lower Upper

83 100

131 0.0 4.8 14.4#

85 56.0 32.5 97.4





#64

n-propylbenzene

Concen: 0.335 ppbv

RT: 14.912 min Scan# 3828

Delta R.T. 0.016 min

Lab File: VL041642.D

Acq: 10 Oct 2024 14:46

Instrument :

MSVOA_L

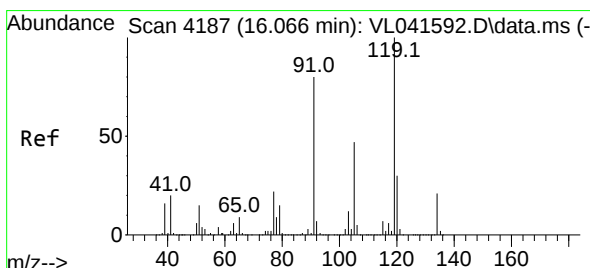
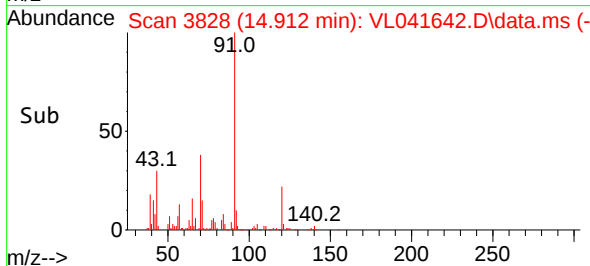
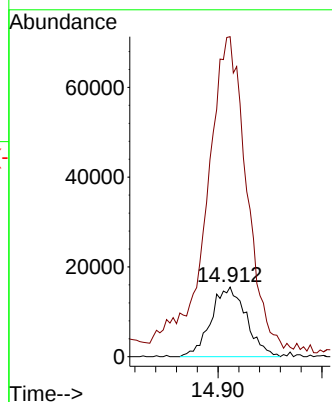
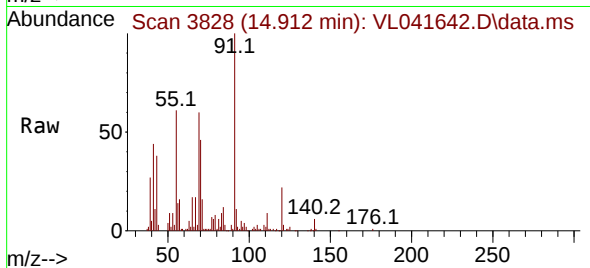
ClientSampleId :

Tgt Ion:120 Resp: 36412

Ion Ratio Lower Upper

120 100

91 535.5 366.4 549.6



#65

tert-Butylbenzene

Concen: 0.066 ppbv

RT: 16.095 min Scan# 4196

Delta R.T. 0.029 min

Lab File: VL041642.D

Acq: 10 Oct 2024 14:46

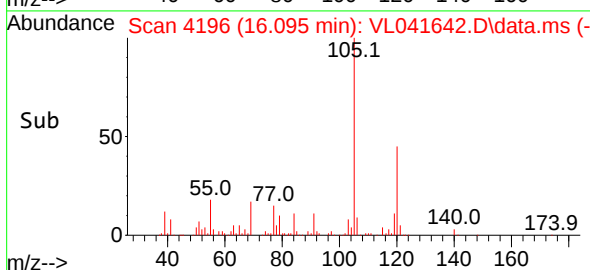
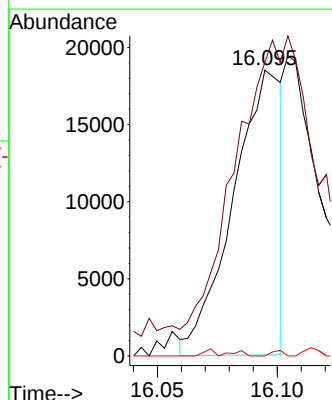
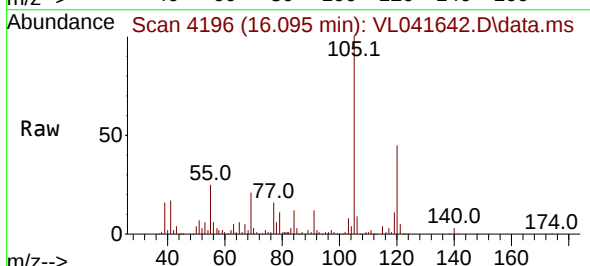
Tgt Ion:119 Resp: 25584

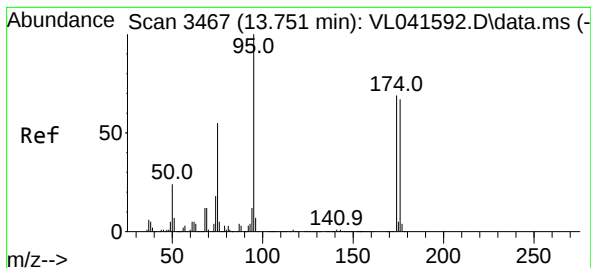
Ion Ratio Lower Upper

119 100

91 0.0 64.6 96.8#

134 0.0 15.8 23.8#

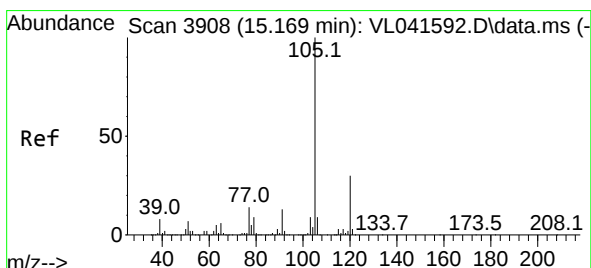
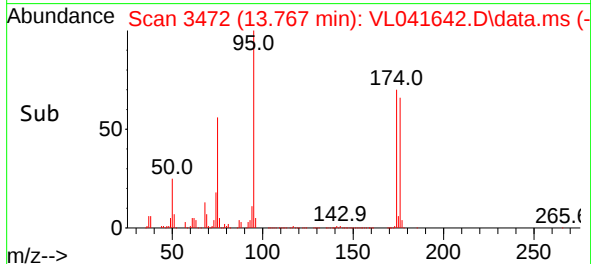
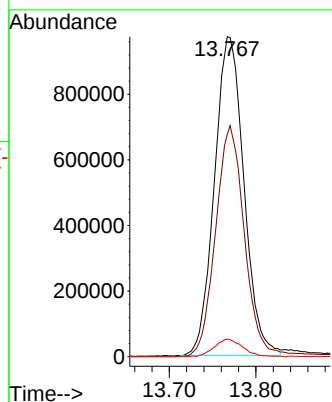
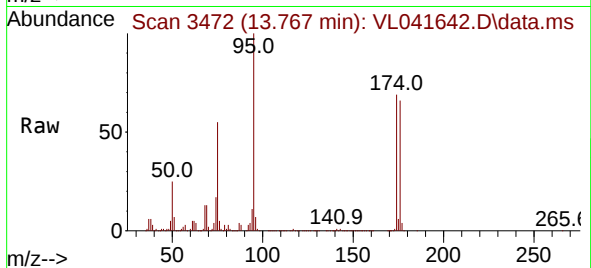




#68
1-Bromo-4-Fluorobenzene
Concen: 10.259 ppbv
RT: 13.767 min Scan# 3467
Delta R.T. 0.016 min
Lab File: VL041642.D
Acq: 10 Oct 2024 14:46

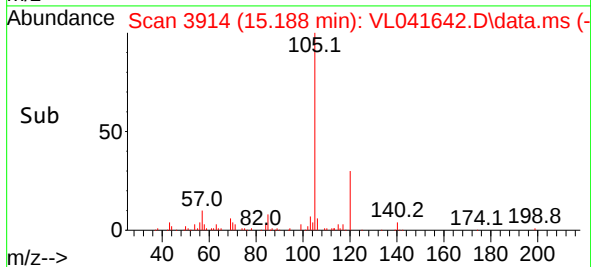
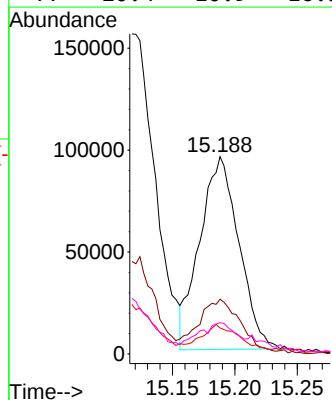
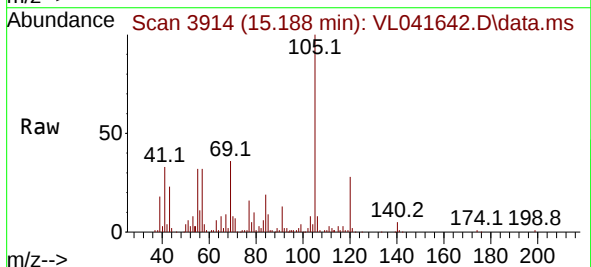
Instrument :
MSVOA_L
ClientSampleId :

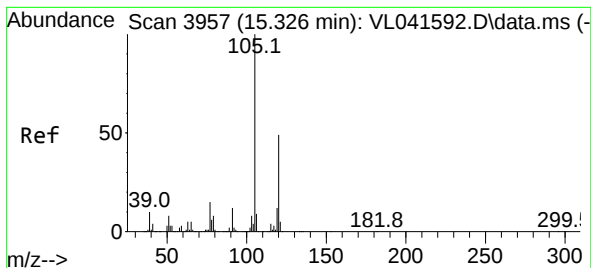
Tgt Ion: 95 Resp: 2296063
Ion Ratio Lower Upper
95 100
174 72.3 55.8 83.8
175 5.3 4.1 6.1



#72
4-Ethyltoluene
Concen: 0.637 ppbv
RT: 15.188 min Scan# 3914
Delta R.T. 0.019 min
Lab File: VL041642.D
Acq: 10 Oct 2024 14:46

Tgt Ion: 105 Resp: 206817
Ion Ratio Lower Upper
105 100
120 33.1 24.1 36.1
91 15.3 10.2 15.2#
77 20.4 10.9 16.3#





#73

1,3,5-Trimethylbenzene

Concen: 0.157 ppbv

RT: 15.339 min Scan# 3957

Delta R.T. 0.013 min

Lab File: VL041642.D

Acq: 10 Oct 2024 14:46

Instrument :

MSVOA_L

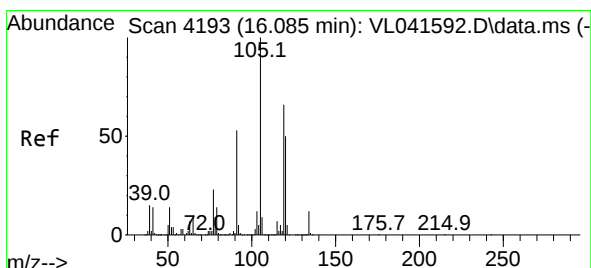
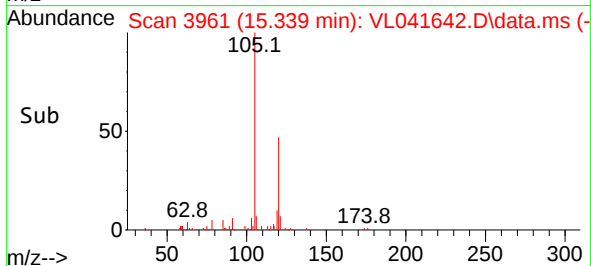
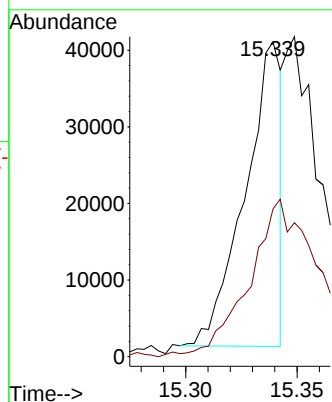
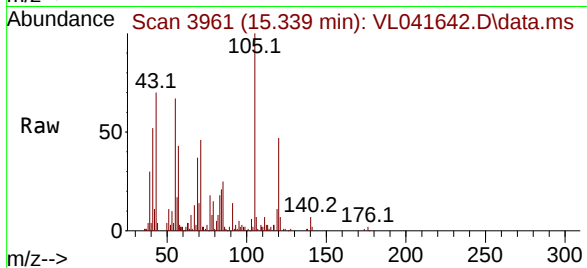
ClientSampleId :

Tgt Ion:105 Resp: 44876

Ion Ratio Lower Upper

105 100

120 47.6 39.4 59.0



#74

1,2,4-Trimethylbenzene

Concen: 1.240 ppbv

RT: 16.098 min Scan# 4197

Delta R.T. 0.013 min

Lab File: VL041642.D

Acq: 10 Oct 2024 14:46

Tgt Ion:105 Resp: 415906

Ion Ratio Lower Upper

105 100

120 45.4 39.9 59.9

91 10.9 42.6 63.8#

77 14.6 18.2 27.2#

