

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL071222\
 Data File : VL039467.D
 Acq On : 13 Jul 2022 4:05
 Operator : SY/AP
 Sample : VIBLK
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Quant Time: Jul 13 05:58:09 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062922AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 06 02:15:38 2022
 QLast Update : Wed Jul 06 02:15:38 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1261070	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.19	114	3552275	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.10	117	3156532	10.00	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2452105	10.47	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.70%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.06	85	21516	0.12	ppbv	96
3) Chlorodifluoromethane	2.98	51	136232	0.85	ppbv #	64
4) Chloromethane	3.15	50	16376	0.19	ppbv #	87
9) Propene	3.03	41	15852	0.22	ppbv #	57
10) Heptane	8.14	43	107748	0.64	ppbv	96
11) Trichlorofluoromethane	3.96	101	17816	0.09	ppbv	90
13) Ethanol	3.61	45	1860441	443.82	ppbv	74
15) Acetone	3.86	43	784151	5.26	ppbv	97
16) 1,3-Butadiene	3.33	39	6454	0.08	ppbv #	64
17) tert-Butyl alcohol	4.30	59	10145	0.08	ppbv #	71
19) Isopropyl Alcohol	3.97	45	4745955	59.64	ppbv #	92
20) Methylene Chloride	4.36	84	685581	11.53	ppbv	97
21) Allyl Chloride	4.37	41	5934	0.06	ppbv #	1
23) Vinyl Acetate	5.08	43	186680	1.87	ppbv #	94
25) Ethyl Acetate	5.68	43	12322060	40.28	ppbv #	88
26) Hexane	5.70	57	1088146	8.82	ppbv #	1
29) Chloroform	5.77	83	58536	0.27	ppbv	98
30) Cyclohexane	7.15	84	50313	0.45	ppbv	92
31) cis-1,2-Dichloroethene	5.68	61	1728520	13.21	ppbv #	23
34) 2-Butanone	5.08	43	186680	1.04	ppbv #	54
36) Benzene	6.90	78	166298	0.60	ppbv	96
39) 1,2-Dichloropropane	7.19	63	871908	8.49	ppbv #	25
41) Tetrahydrofuran	5.68	42	1313079	12.67	ppbv #	43
44) 2,2,4-Trimethylpentane	7.88	57	25543	0.05	ppbv #	5
51) 2-Hexanone	10.16	43	8067	0.04	ppbv #	29
52) Tetrachloroethene	11.24	164	104951	0.95	ppbv	91
53) Toluene	9.82	91	653751	2.06	ppbv	98
58) Ethyl Benzene	12.72	91	404469	0.99	ppbv	95
59) m/p-Xylene	12.98	91	1906153	5.30	ppbv	94
60) o-Xylene	13.70	91	531425	1.56	ppbv #	43
61) Styrene	13.54	104	12475	0.07	ppbv #	74
62) Isopropylbenzene	14.68	105	22584	0.04	ppbv #	48
64) n-propylbenzene	15.58	120	5003	0.04	ppbv #	1
65) tert-Butylbenzene	16.77	119	85704	0.18	ppbv #	72
67) sec-Butylbenzene	17.30	105	37351	0.06	ppbv	94
69) p-Isopropyltoluene	17.66	119	48096	0.09	ppbv	92
70) n-Butylbenzene	18.57	91	30174	0.06	ppbv #	1
72) 4-Ethyltoluene	15.85	105	178979	0.45	ppbv	96
73) 1,3,5-Trimethylbenzene	16.00	105	247049	0.67	ppbv	94
74) 1,2,4-Trimethylbenzene	16.77	105	752859	1.85	ppbv #	69

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Instrument :
MSVOA_L
ClientSampleId :
VIBLK

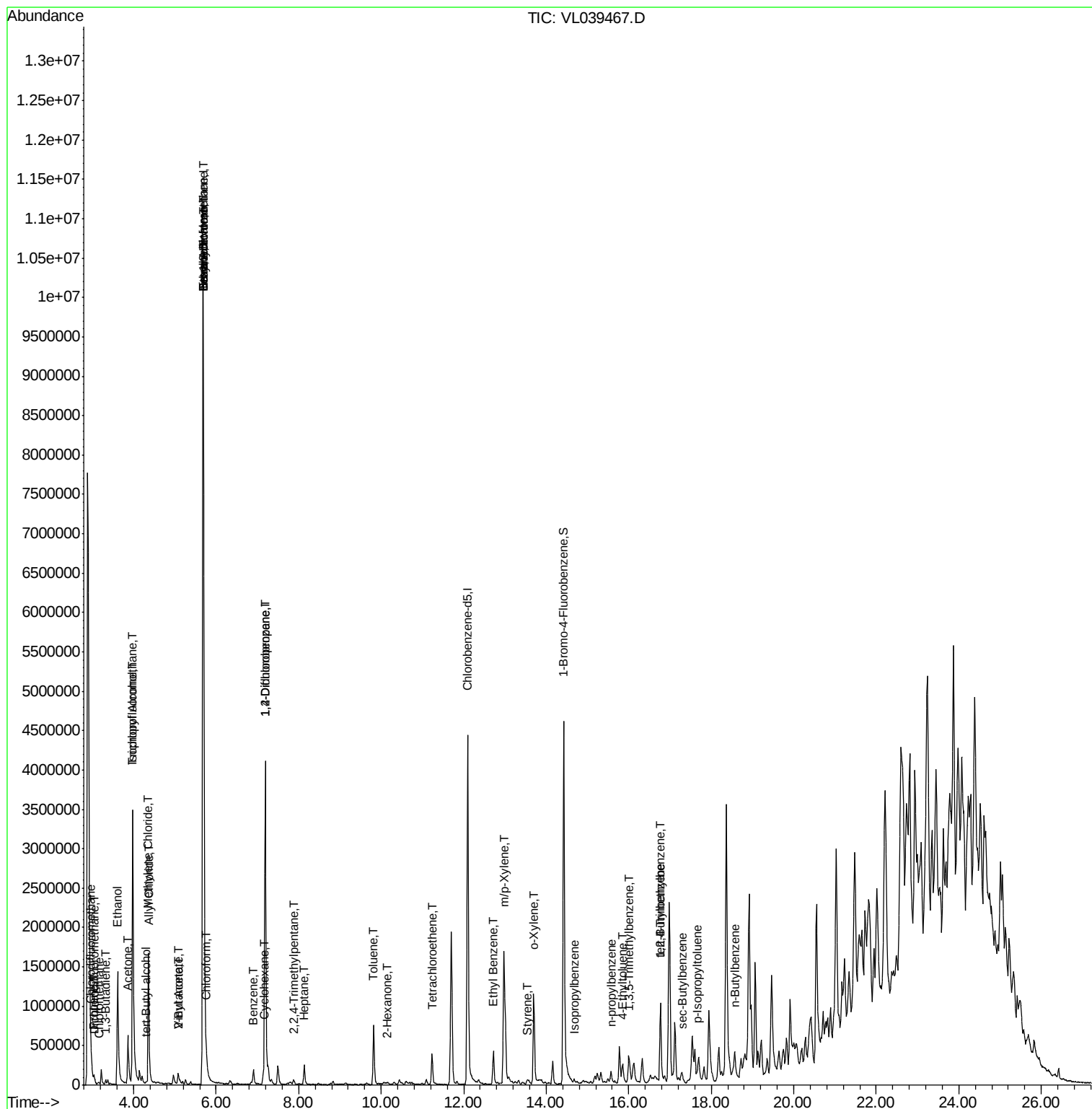
Quant Time: Jul 13 05:58:09 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062922AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 06 02:15:38 2022
QLast Update : Wed Jul 06 02:15:38 2022
Response via : Initial Calibration

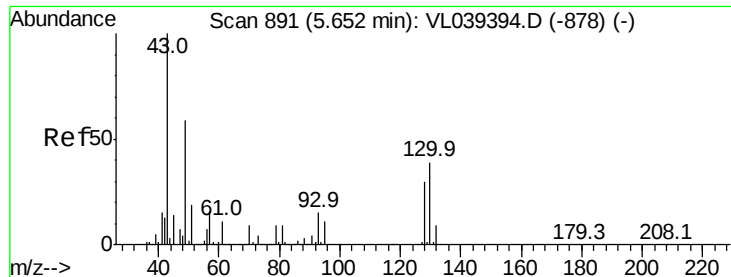
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data Path : Z:\V0ASRV\HPCHEM1\MSV0A_L\DATA\VL071222\  
Data File : VL039467.D  
Acq On    : 13 Jul 2022    4:05  
Operator  : SY/AP  
Sample    : VIBLK  
Misc      : 400mL/MSV0A_L  
ALS Vial  : 1    Sample Multiplier: 1
```

Quant Time: Jul 13 05:58:09 2022
Quant Method : Z:\VQASRV\HPCHEM1\MSVOA_L\METHODS\VL062922AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 06 02:15:38 2022
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#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.68 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 13 Jul 2022 4:05

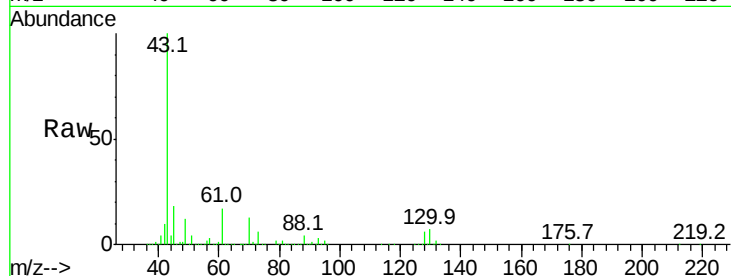
Tgt Ion: 49 Resp: 1261070

Ion Ratio Lower Upper

49 100

128 49.2 26.7 80.0

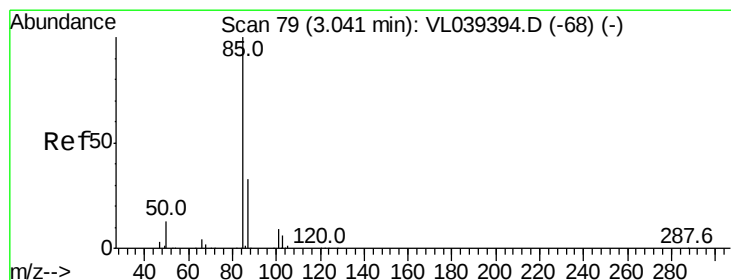
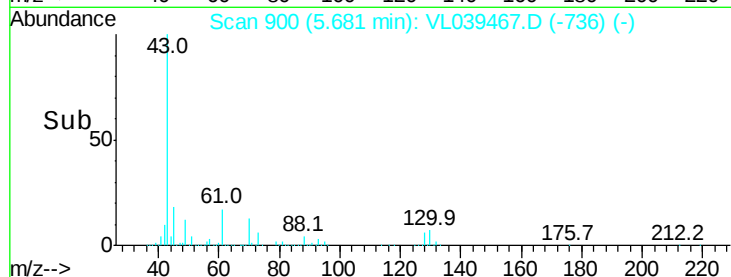
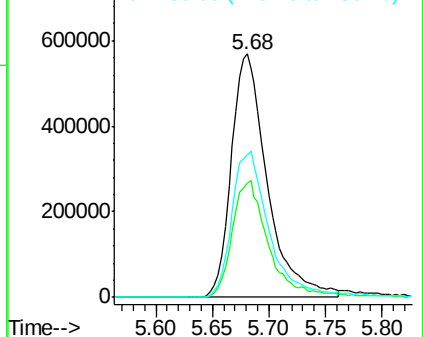
130 63.2 34.3 102.8



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.12 ppbv

RT: 3.06 min Scan# 86

Delta R.T. 0.02 min

Lab File: VL039467.D

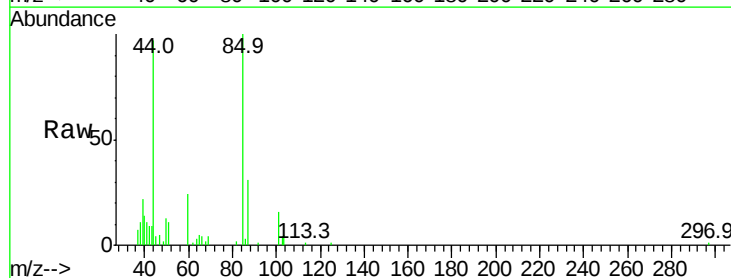
Acq: 13 Jul 2022 4:05

Tgt Ion: 85 Resp: 21516

Ion Ratio Lower Upper

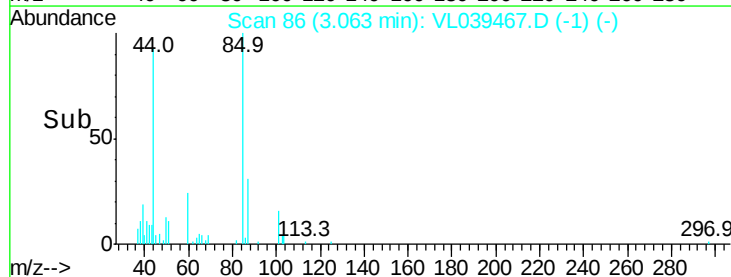
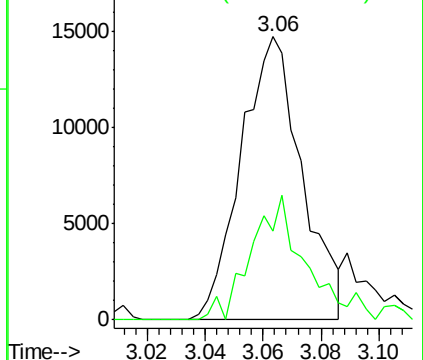
85 100

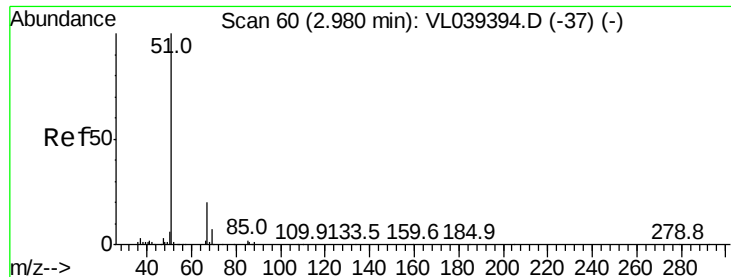
87 31.3 26.7 40.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.85 ppbv

RT: 2.98 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VIBLK

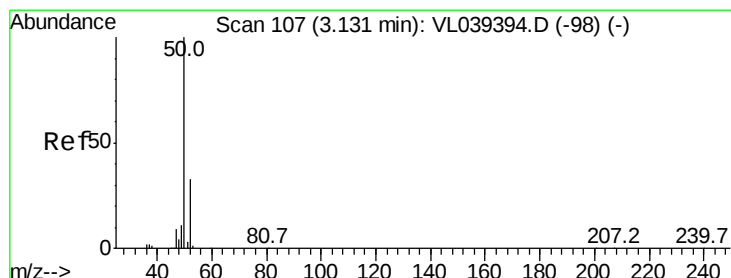
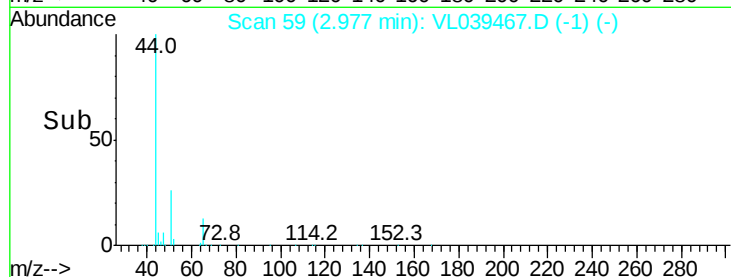
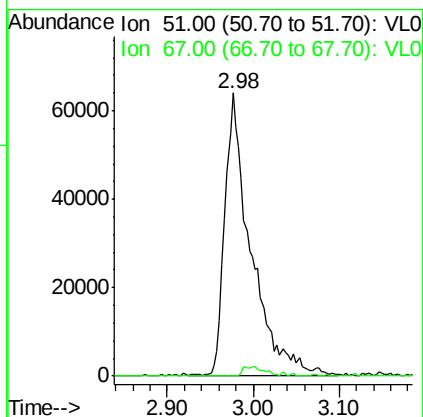
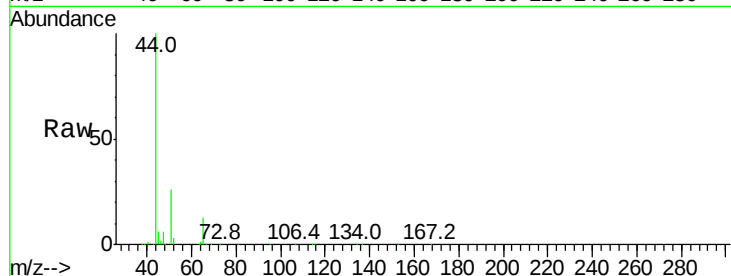
Acq: 13 Jul 2022 4:05

Tgt Ion: 51 Resp: 136232

Ion Ratio Lower Upper

51 100

67 3.1 15.7 23.5#



#4

Chloromethane

Concen: 0.19 ppbv

RT: 3.15 min Scan# 113

Delta R.T. 0.02 min

Lab File: VL039467.D

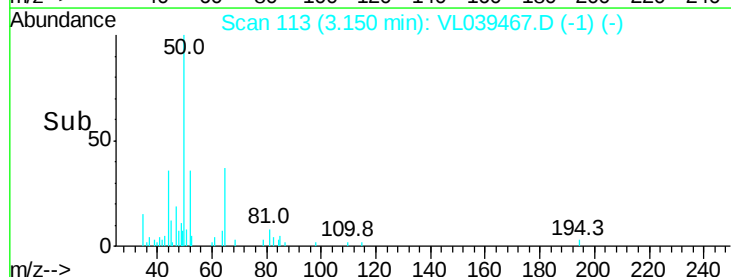
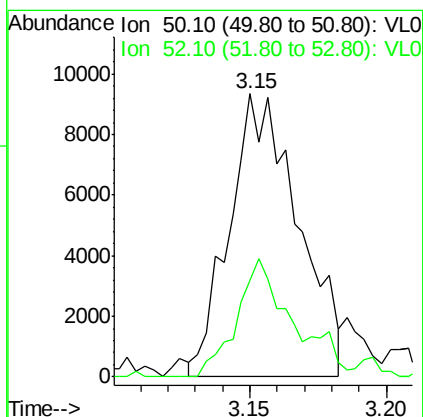
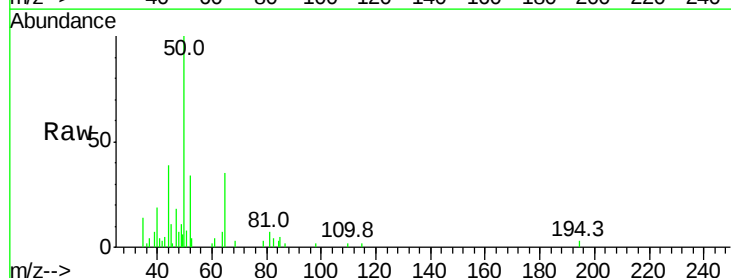
Acq: 13 Jul 2022 4:05

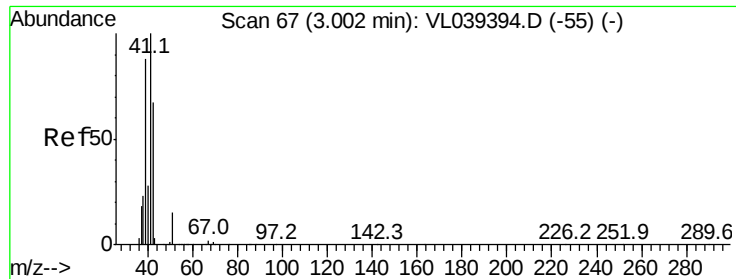
Tgt Ion: 50 Resp: 16376

Ion Ratio Lower Upper

50 100

52 40.6 26.5 39.7#





#9

Propene

Concen: 0.22 ppbv

RT: 3.03 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VIBLK

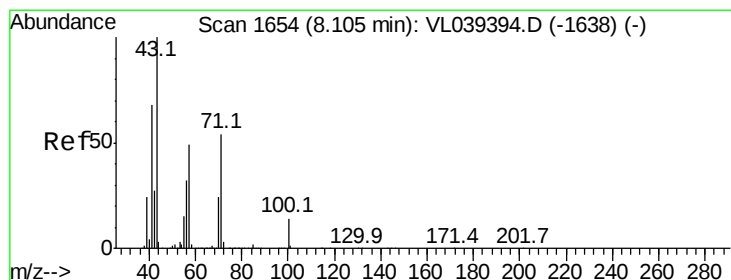
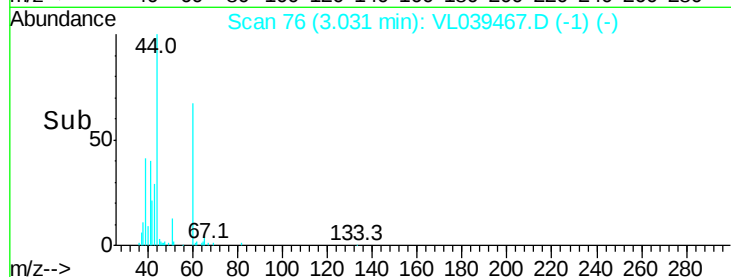
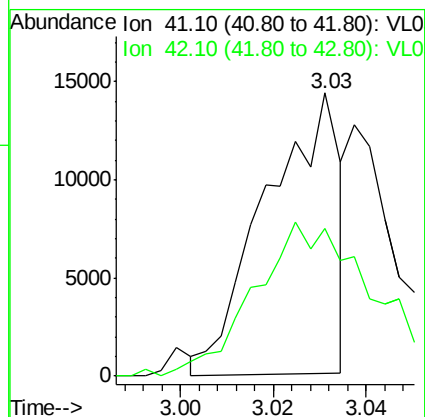
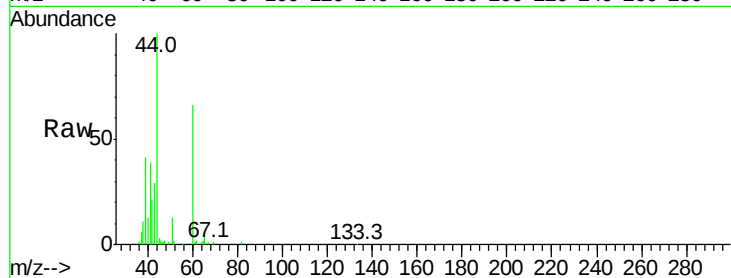
Acq: 13 Jul 2022 4:05

Tgt Ion: 41 Resp: 15852

Ion Ratio Lower Upper

41 100

42 103.6 55.2 82.8#



#10

Heptane

Concen: 0.64 ppbv

RT: 8.14 min Scan# 1665

Delta R.T. 0.04 min

Lab File: VL039467.D

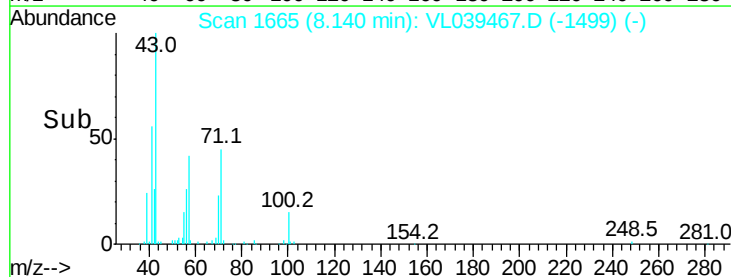
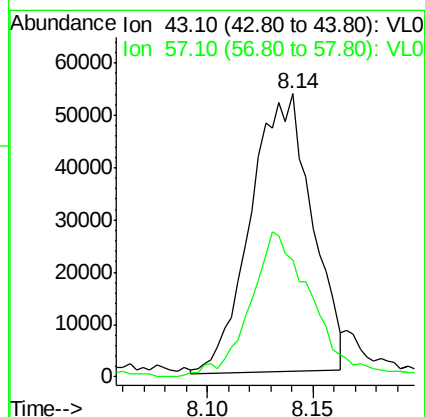
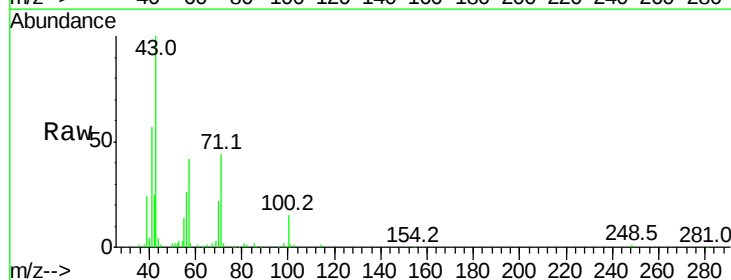
Acq: 13 Jul 2022 4:05

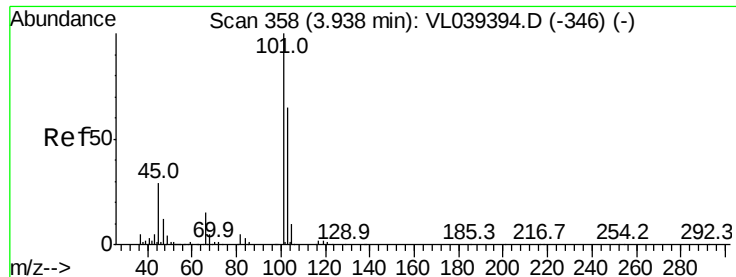
Tgt Ion: 43 Resp: 107748

Ion Ratio Lower Upper

43 100

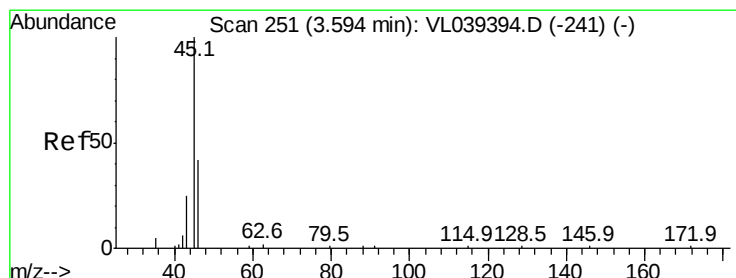
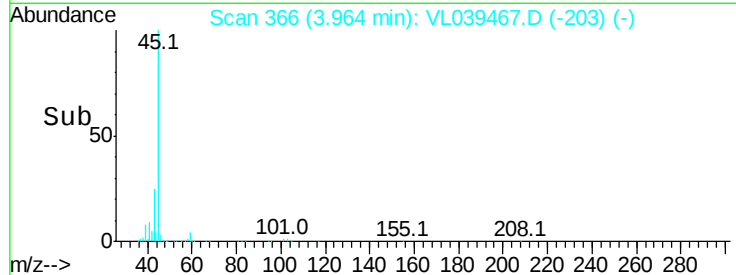
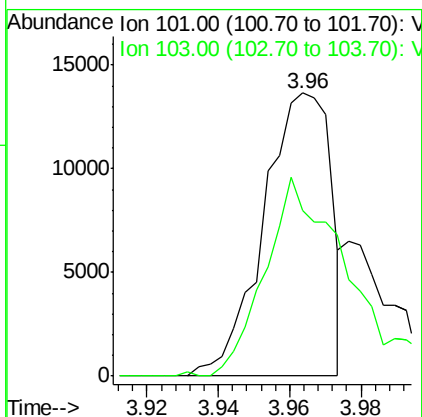
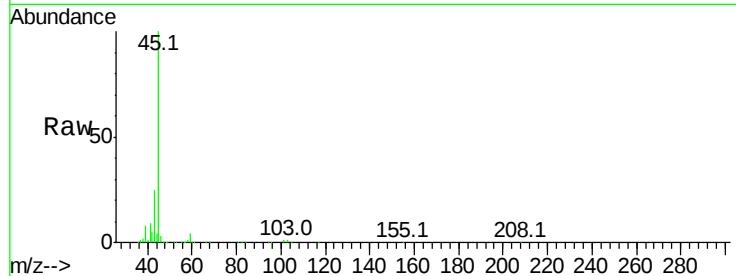
57 53.3 40.5 60.7





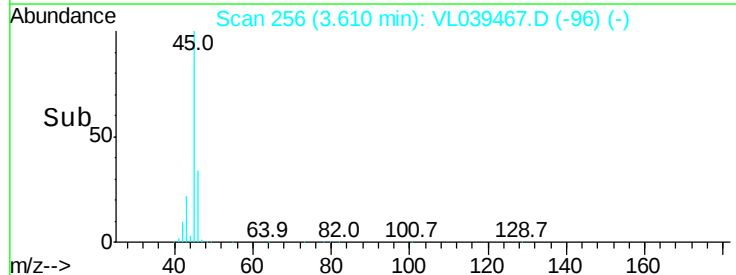
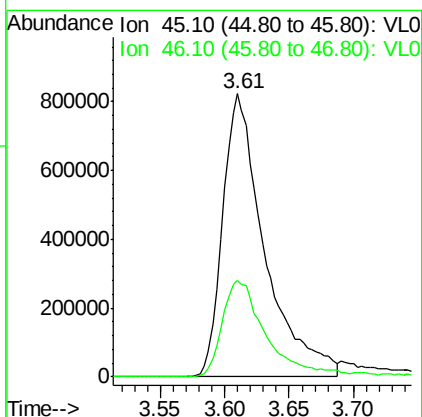
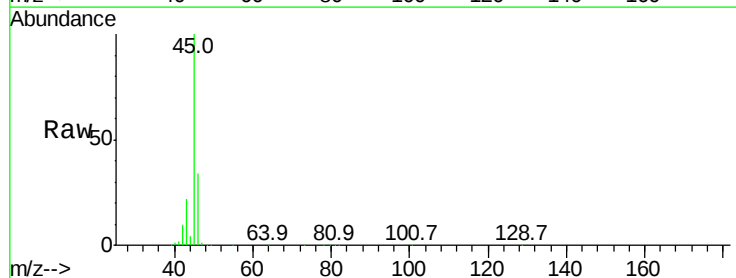
#11
 Trichlorofluoromethane
 Concen: 0.09 ppbv
 RT: 3.96
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 13 Jul 2022 4:05

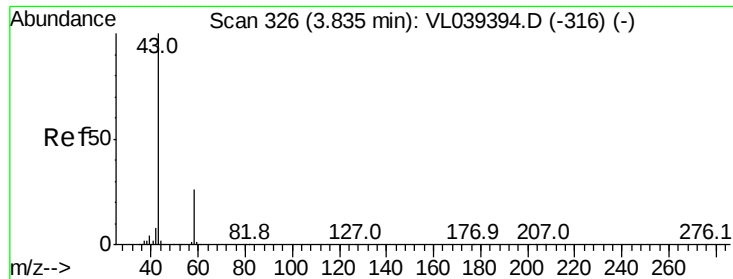
Tgt Ion: 101 Resp: 17816
 Ion Ratio Lower Upper
 101 100
 103 56.9 51.8 77.8



#13
 Ethanol
 Concen: 443.82 ppbv
 RT: 3.61 min Scan# 256
 Delta R.T. 0.02 min
 Lab File: VL039467.D
 Acq: 13 Jul 2022 4:05

Tgt Ion: 45 Resp: 1860441
 Ion Ratio Lower Upper
 45 100
 46 37.6 22.8 91.2





#15

Acetone

Concen: 5.26 ppbv

RT: 3.86

Delta R.T.

Lab File:

Acq: 13 Jul 2022

Instrument:

MSVOA_L

ClientSampleId:

VIBLK

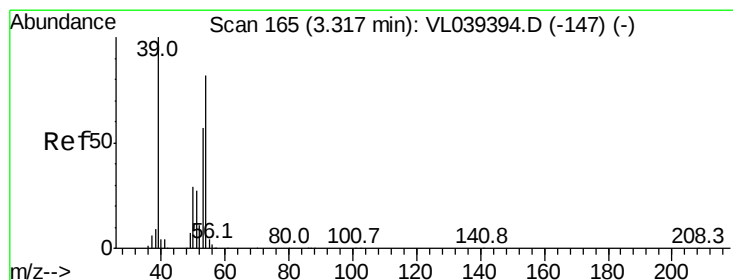
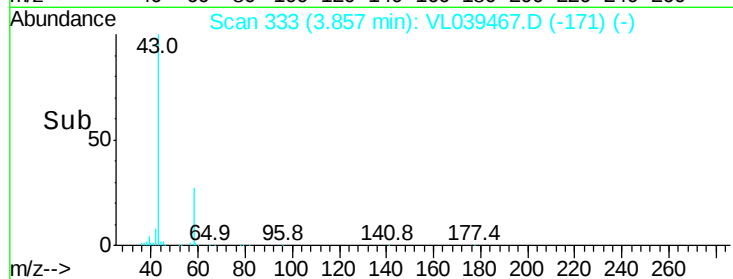
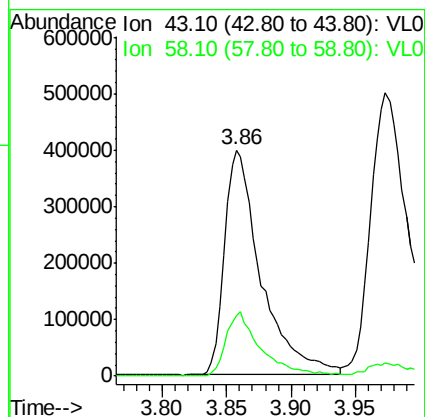
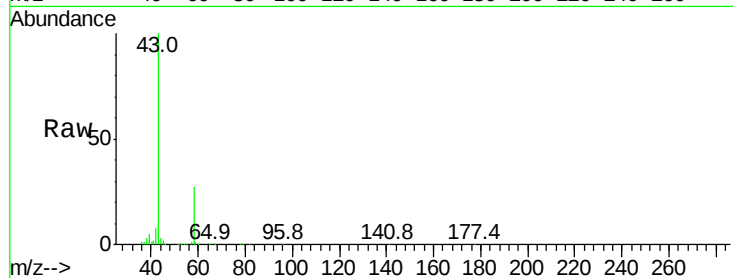
4:05

Tgt Ion: 43 Resp: 784151

Ion Ratio Lower Upper

43 100

58 27.7 21.0 31.6



#16

1,3-Butadiene

Concen: 0.08 ppbv

RT: 3.33 min Scan# 168

Delta R.T. 0.01 min

Lab File: VL039467.D

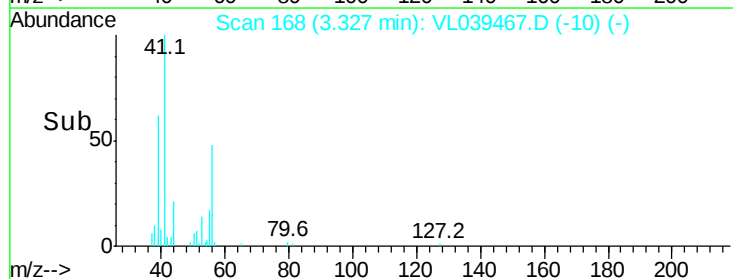
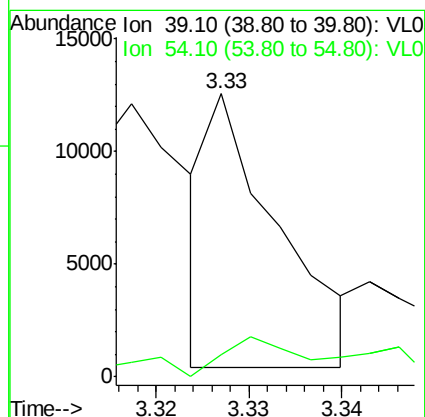
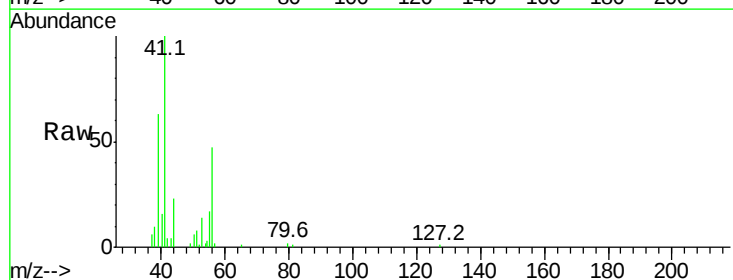
Acq: 13 Jul 2022 4:05

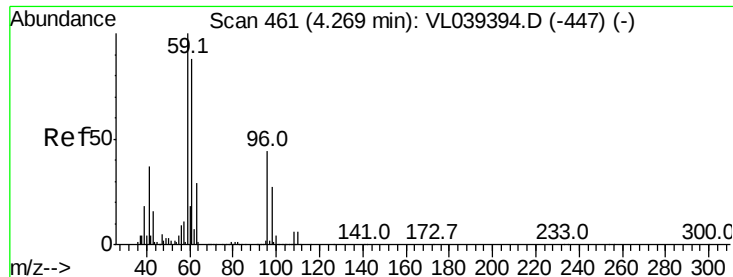
Tgt Ion: 39 Resp: 6454

Ion Ratio Lower Upper

39 100

54 47.6 63.7 95.5#





#17

tert-Butyl alcohol

Concen: 0.08 ppbv

RT: 4.30 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

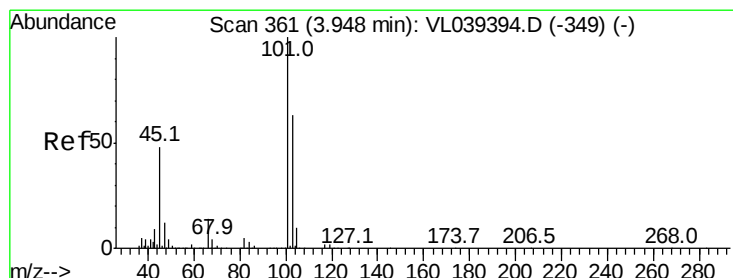
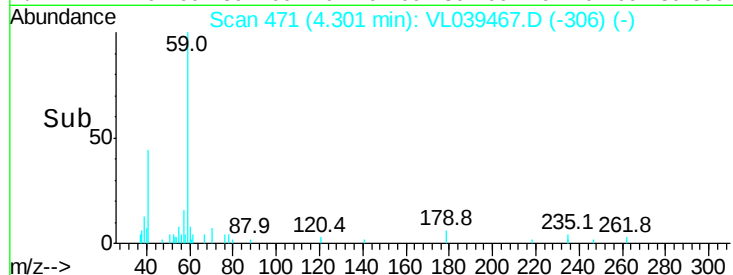
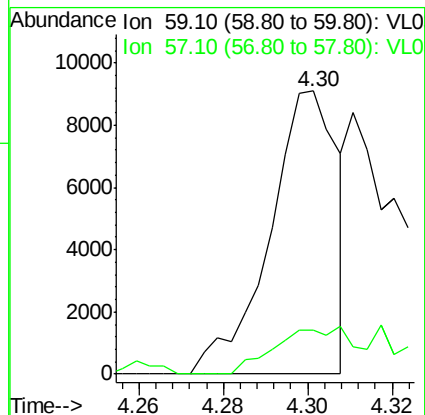
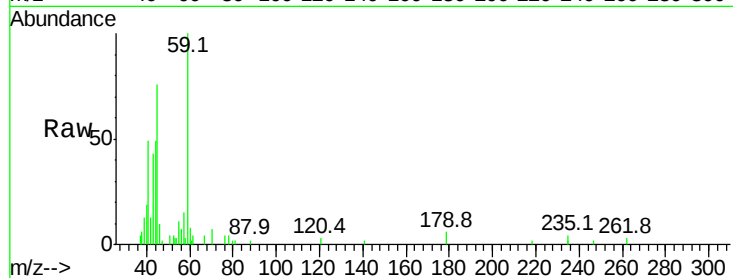
Acq: 13 Jul 2022 4:05

Tgt Ion: 59 Resp: 10145

Ion Ratio Lower Upper

59 100

57 0.0 8.7 13.1#



#19

Isopropyl Alcohol

Concen: 59.64 ppbv

RT: 3.97 min Scan# 369

Delta R.T. 0.03 min

Lab File: VL039467.D

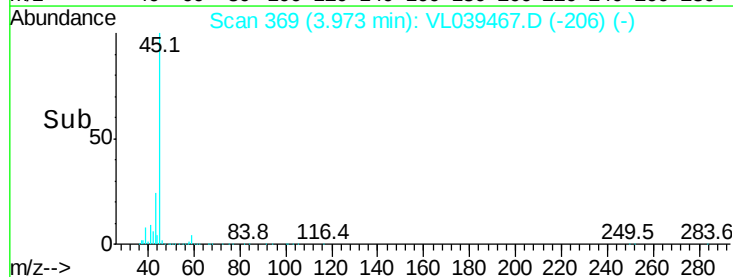
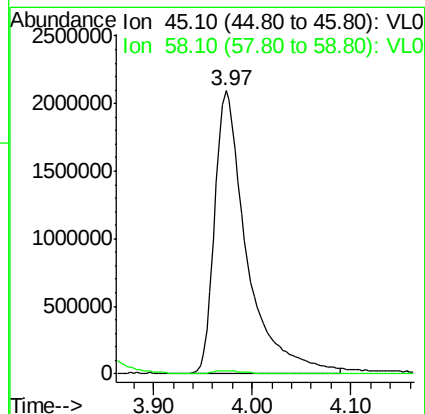
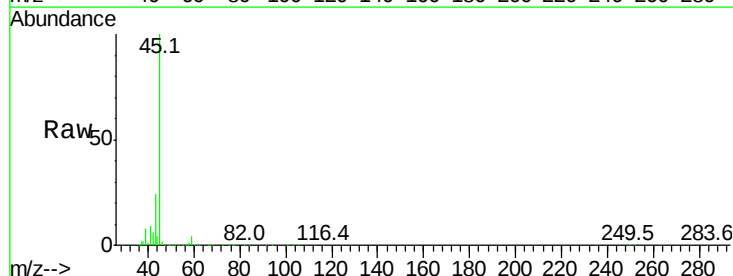
Acq: 13 Jul 2022 4:05

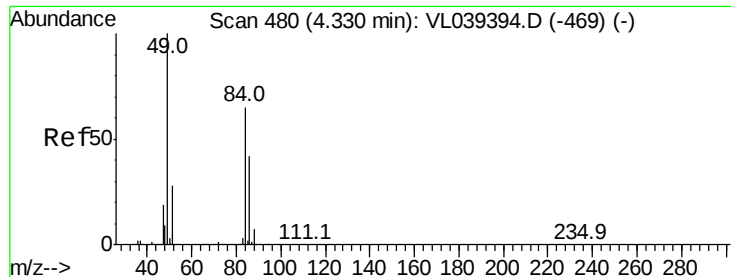
Tgt Ion: 45 Resp: 4745955

Ion Ratio Lower Upper

45 100

58 1.3 3.2 4.8#





#20

Methylene Chloride

Concen: 11.53 ppbv

RT: 4.36 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 13 Jul 2022 4:05

Tgt Ion: 84 Resp: 685581

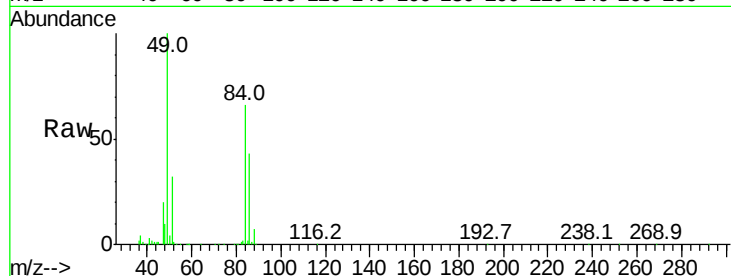
Ion Ratio Lower Upper

84 100

49 150.4 123.1 184.7

51 48.2 34.4 51.6

86 64.4 51.1 76.7

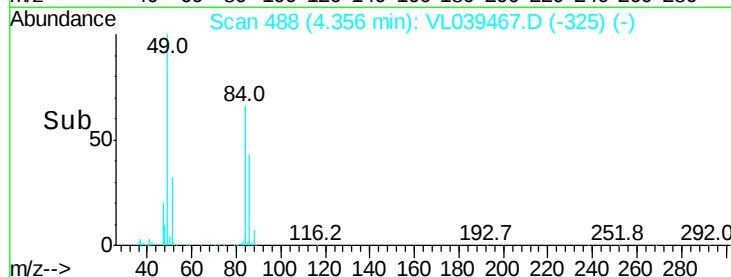


Abundance Ion 84.00 (83.70 to 84.70): VL0

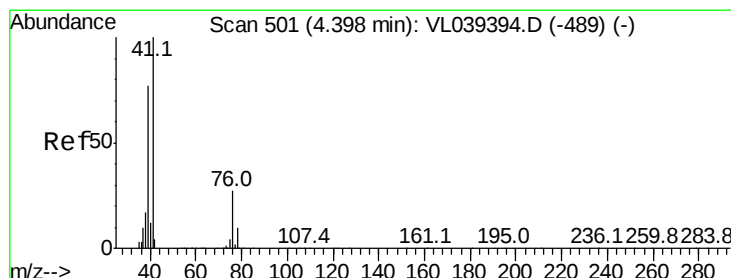
Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0



Time-->



#21

Allyl Chloride

Concen: 0.06 ppbv

RT: 4.37 min Scan# 493

Delta R.T. -0.03 min

Lab File: VL039467.D

Acq: 13 Jul 2022 4:05

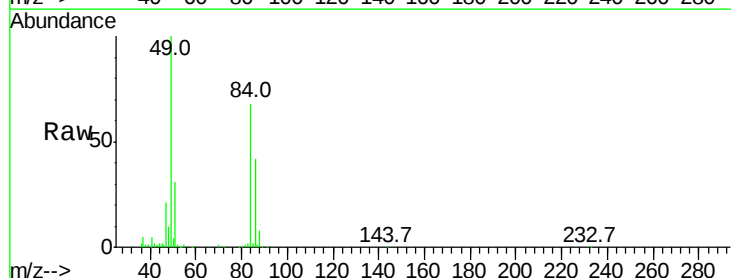
Tgt Ion: 41 Resp: 5934

Ion Ratio Lower Upper

41 100

76 235.6 24.4 36.6#

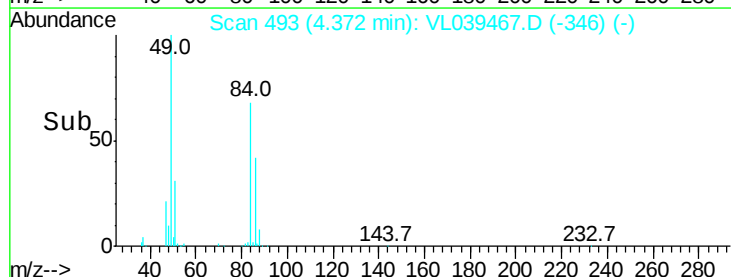
39 0.0 63.5 95.3#



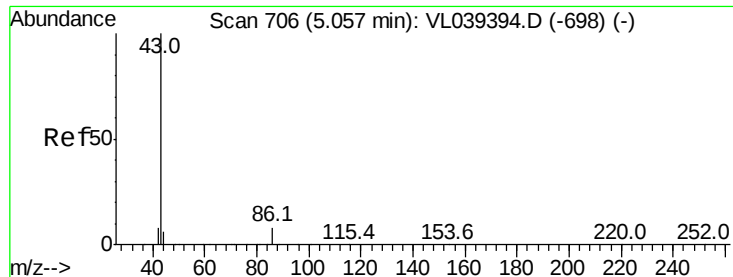
Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 76.10 (75.80 to 76.80): VL0

Ion 39.10 (38.80 to 39.80): VL0



Time-->



#23

Vinyl Acetate

Concen: 1.87 ppbv

RT: 5.08 Instrument: MSVOA_1

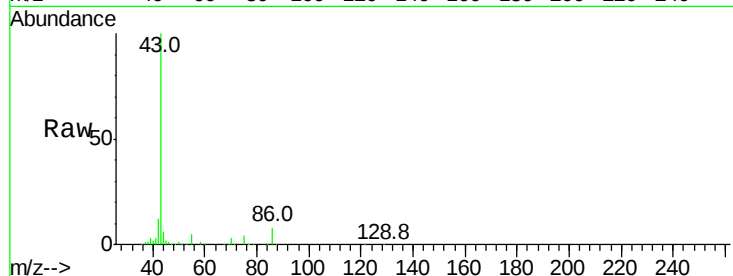
Delta R.T. ClientSampleId:

Lab File: VIBLK

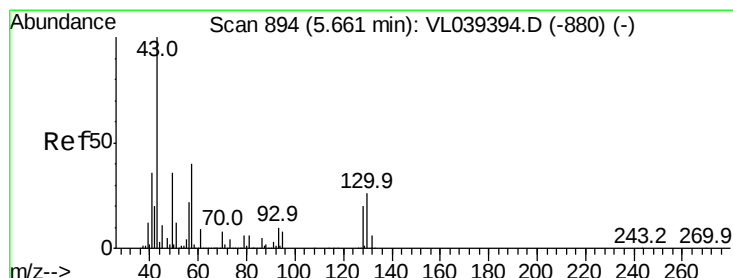
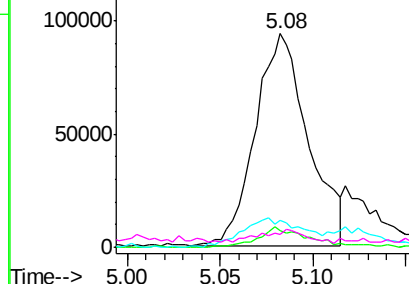
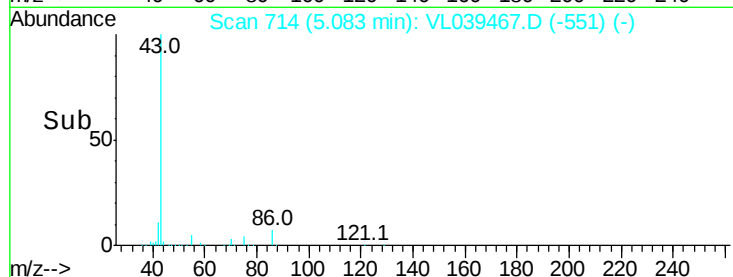
Acq: 13 Jul 2022 4:05

Tgt Ion: 43 Resp: 186680

Ion	Ratio	Lower	Upper
43	100		
86	8.0	5.0	7.6#
42	11.5	7.7	11.5#
44	3.1	4.6	7.0#



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 86.10 (85.80 to 86.80): VL0
 Ion 42.10 (41.80 to 42.80): VL0
 Ion 44.10 (43.80 to 44.80): VL0



#25

Ethyl Acetate

Concen: 40.28 ppbv

RT: 5.68 min Scan# 900

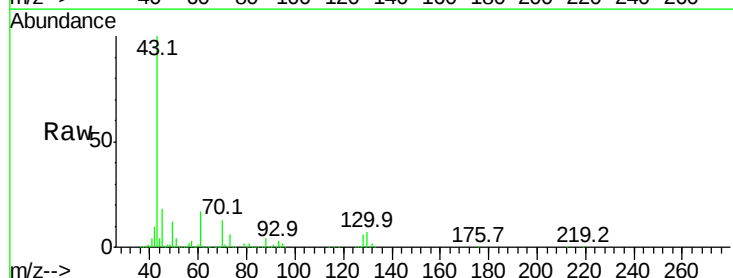
Delta R.T. 0.02 min

Lab File: VL039467.D

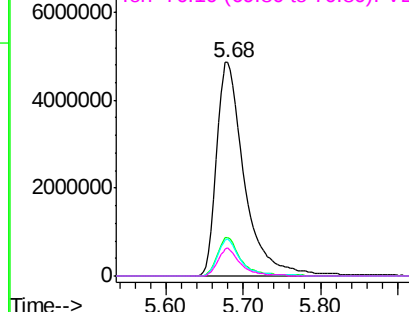
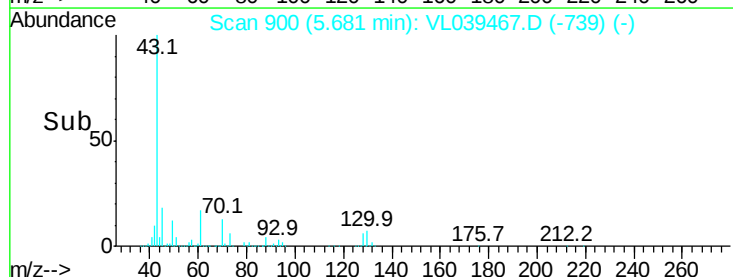
Acq: 13 Jul 2022 4:05

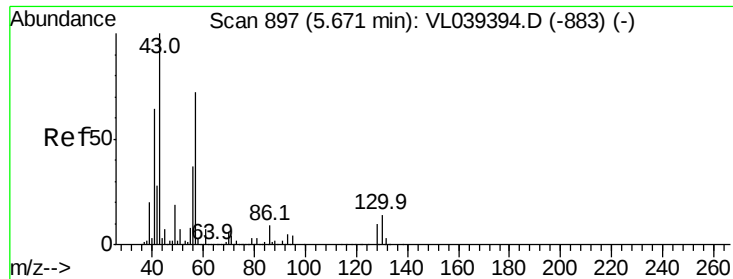
Tgt Ion: 43 Resp:12322060

Ion	Ratio	Lower	Upper
43	100		
45	15.6	8.2	12.4#
61	14.7	8.3	12.5#
70	11.0	5.9	8.9#



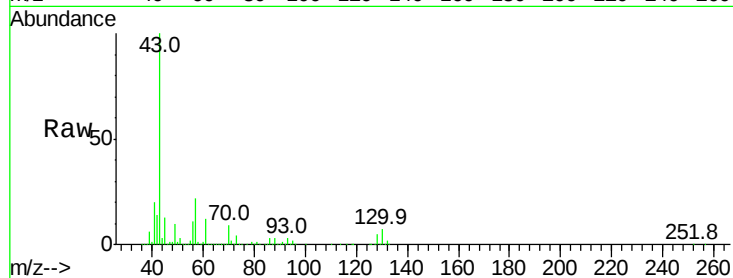
Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 45.10 (44.80 to 45.80): VL0
 Ion 61.10 (60.80 to 61.80): VL0
 Ion 70.10 (69.80 to 70.80): VL0



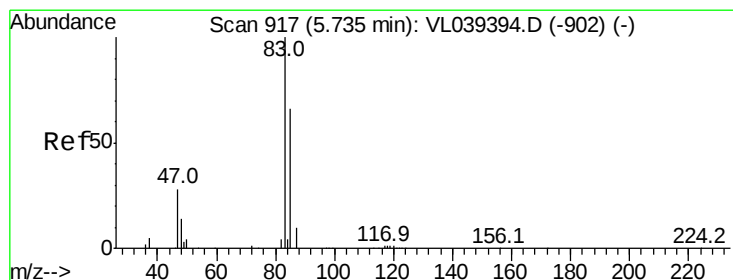
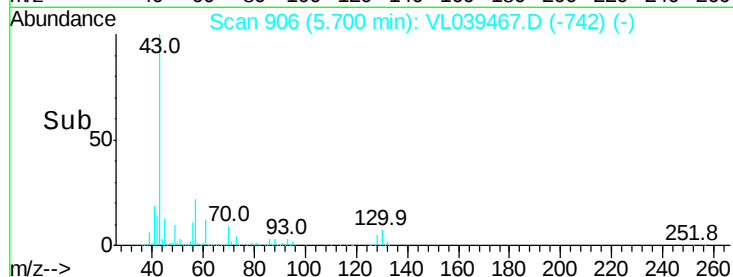
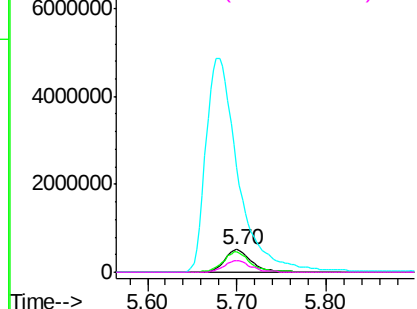


#26
Hexane
Concen: 8.82 ppbv
RT: 5.70
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 13 Jul 2022 4:05

Tgt Ion: 57 Resp: 1088146
Ion Ratio Lower Upper
57 100
41 95.5 76.9 115.3
43 1149.4 191.0 286.6#
56 51.8 43.2 64.8

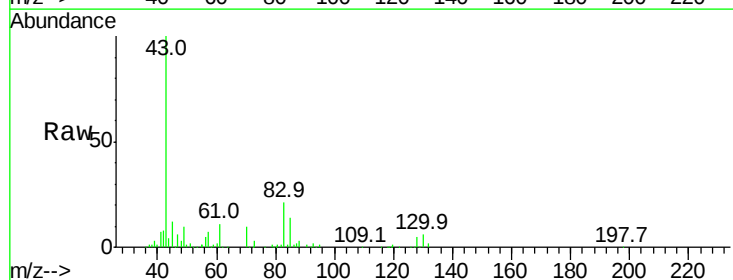


Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

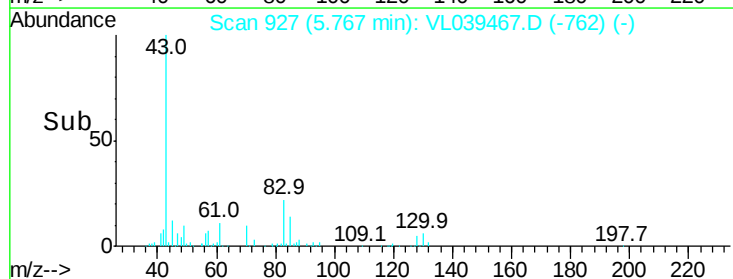
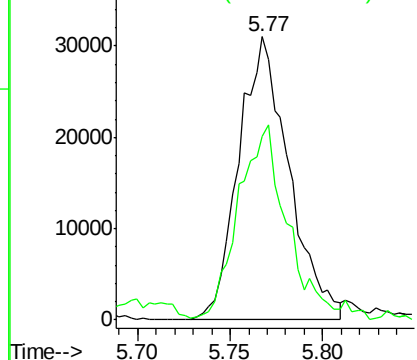


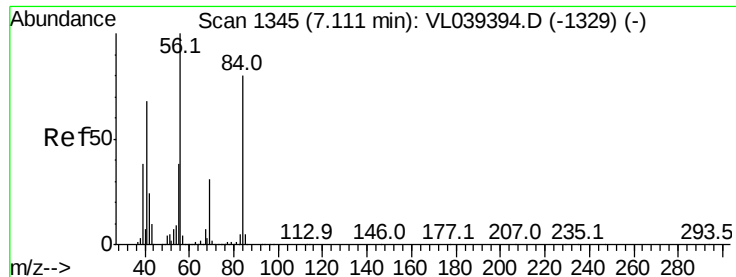
#29
Chloroform
Concen: 0.27 ppbv
RT: 5.77 min Scan# 927
Delta R.T. 0.03 min
Lab File: VL039467.D
Acq: 13 Jul 2022 4:05

Tgt Ion: 83 Resp: 58536
Ion Ratio Lower Upper
83 100
85 64.3 52.8 79.2



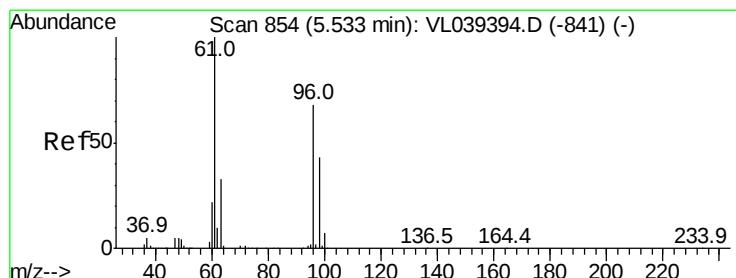
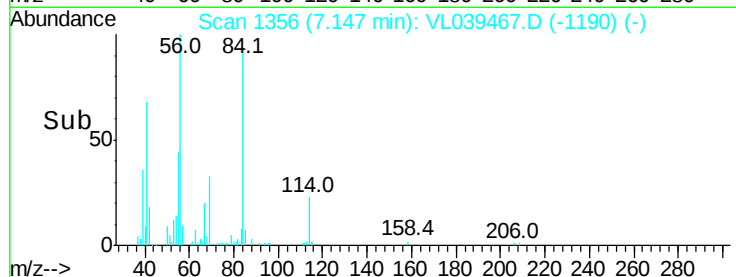
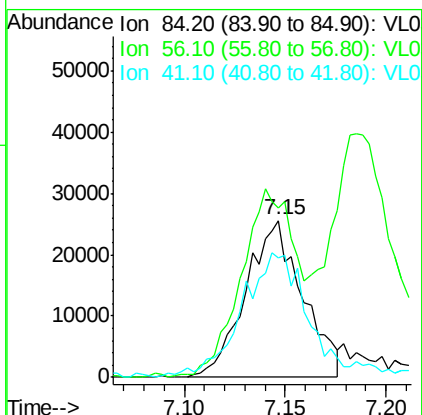
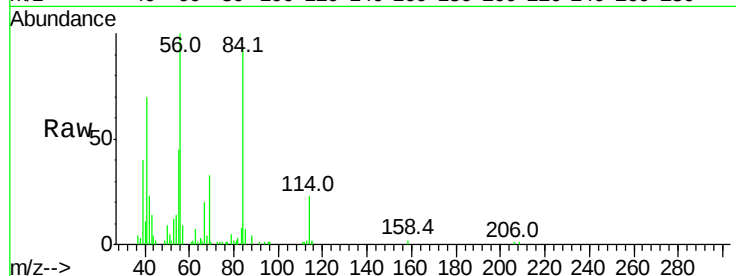
Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0





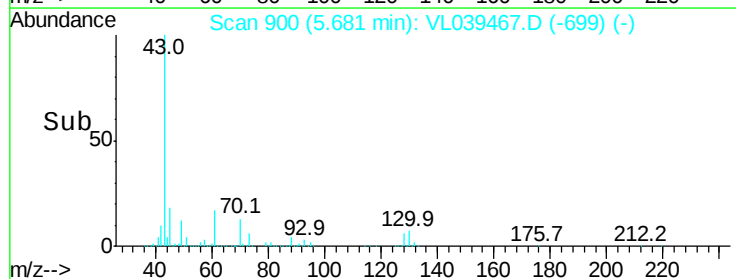
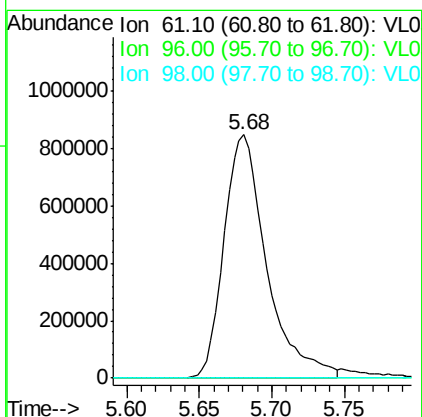
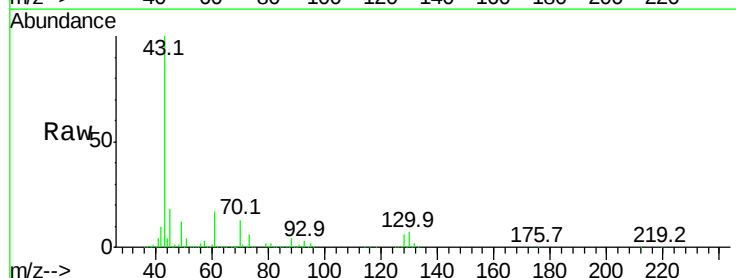
#30
Cyclohexane
Concen: 0.45 ppbv
RT: 7.15
Delta R.T. MSVOA_1
Lab File: ClientSampleId:
Acq: 13 Jul 2022 4:05

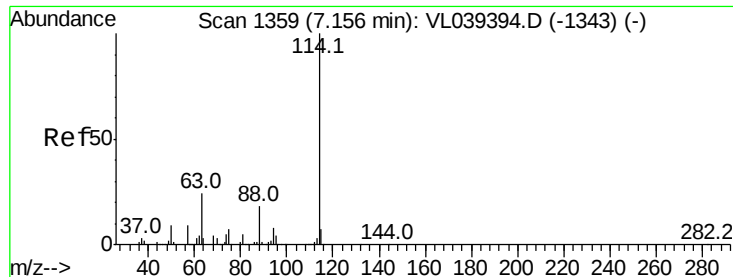
Tgt Ion: 84 Resp: 50313
Ion Ratio Lower Upper
84 100
56 127.6 107.7 161.5
41 96.1 67.7 101.5



#31
cis-1,2-Dichloroethene
Concen: 13.21 ppbv
RT: 5.68 min Scan# 900
Delta R.T. 0.15 min
Lab File: VL039467.D
Acq: 13 Jul 2022 4:05

Tgt Ion: 61 Resp: 1728520
Ion Ratio Lower Upper
61 100
96 0.2 54.1 81.1#
98 0.0 34.6 52.0#





#33

1,4-Difluorobenzene

Concen: 10.00 ppbv

RT: 7.19 Instrument: MSVOA_1

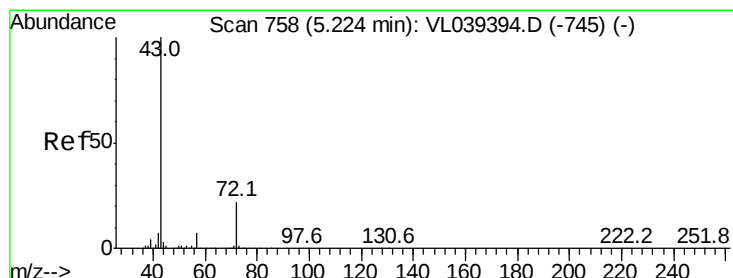
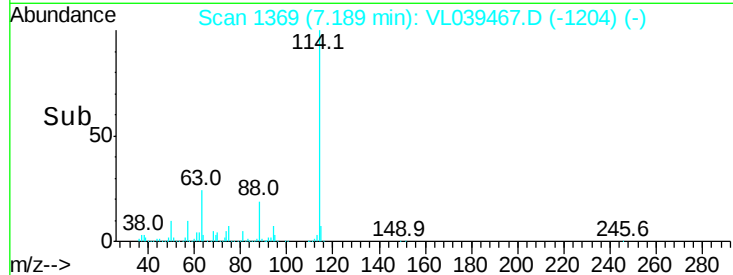
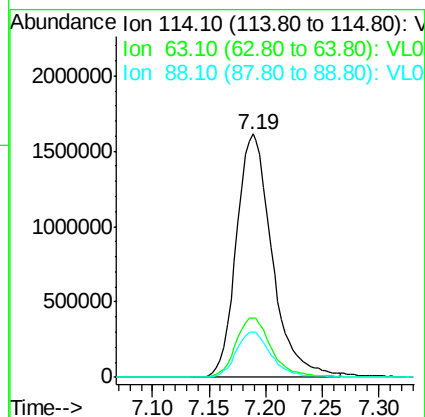
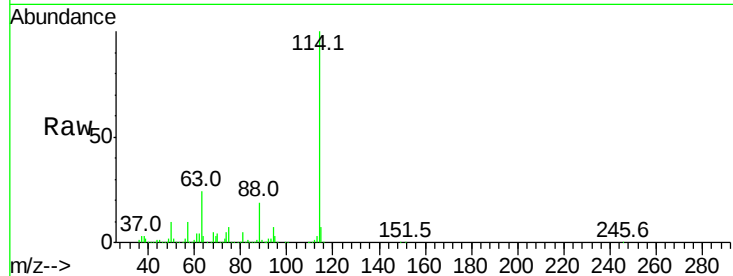
Delta R.T. ClientSampleId:

Lab File: VIBLK

Acq: 13 Jul 2022 4:05

Tgt Ion: 114 Resp: 3552275

Ion	Ratio	Lower	Upper
114	100		
63	24.9	20.2	30.4
88	18.4	14.5	21.7



#34

2-Butanone

Concen: 1.04 ppbv

RT: 5.08 min Scan# 714

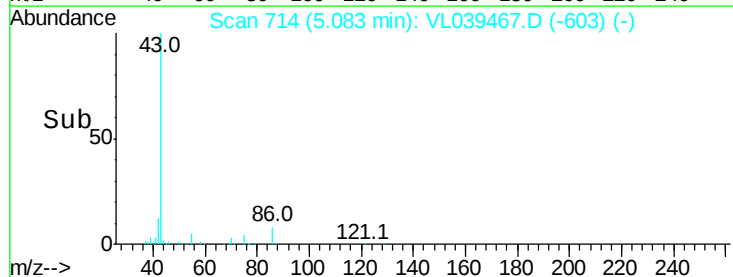
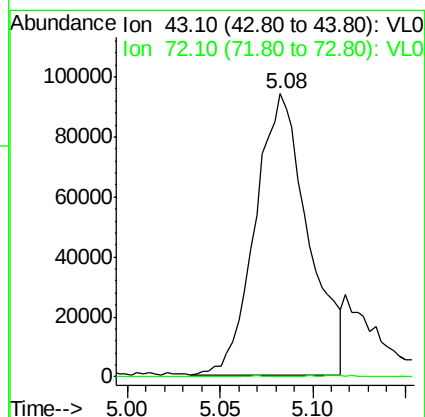
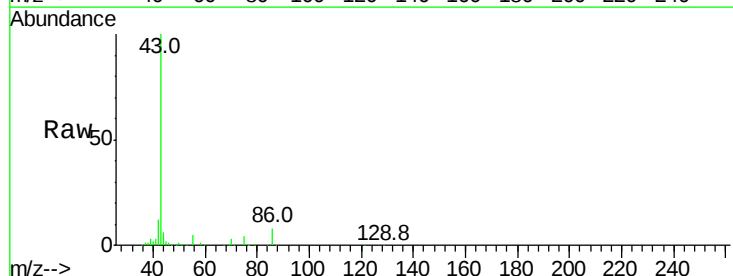
Delta R.T. -0.14 min

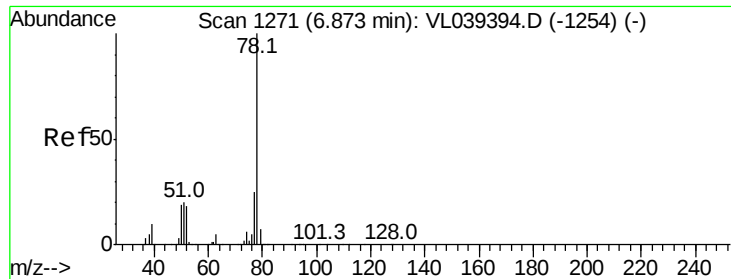
Lab File: VL039467.D

Acq: 13 Jul 2022 4:05

Tgt Ion: 43 Resp: 186680

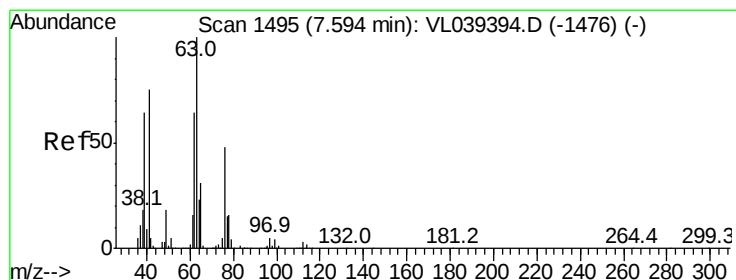
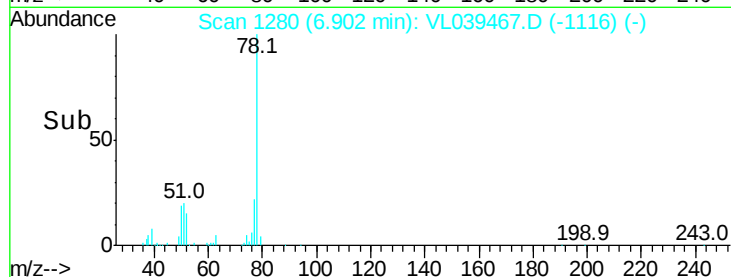
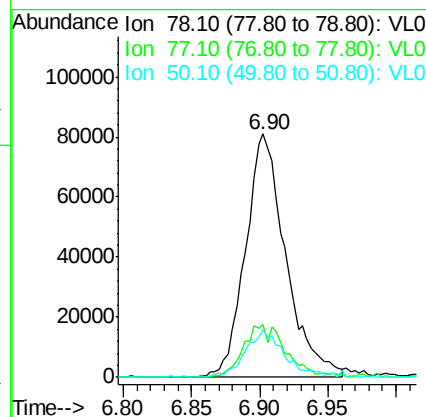
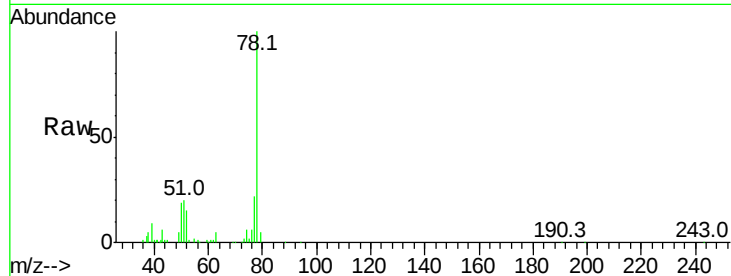
Ion	Ratio	Lower	Upper
43	100		
72	0.4	17.9	26.9#





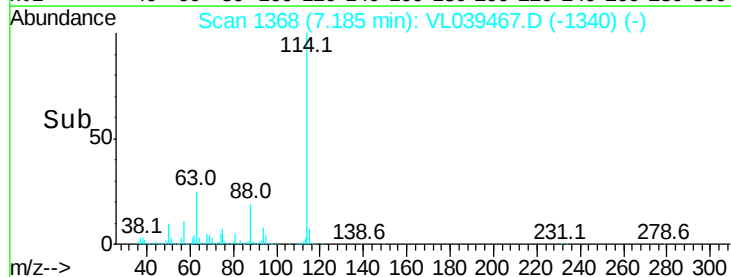
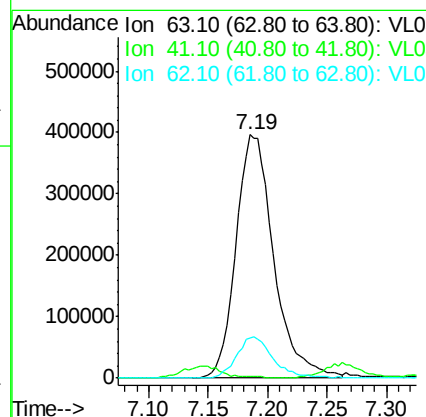
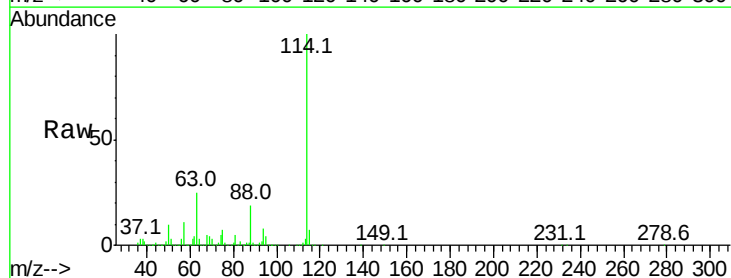
#36
Benzene
Concen: 0.60 ppbv
RT: 6.90
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 13 Jul 2022 4:05

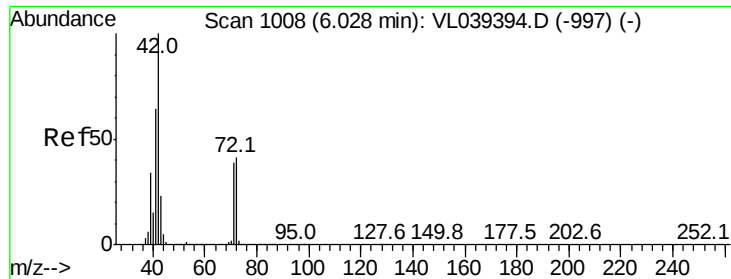
Tgt Ion	Ratio	Lower	Upper
78	100		
77	21.7	20.3	30.5
50	19.5	15.5	23.3



#39
1,2-Dichloropropane
Concen: 8.49 ppbv
RT: 7.19 min Scan# 1368
Delta R.T. -0.41 min
Lab File: VL039467.D
Acq: 13 Jul 2022 4:05

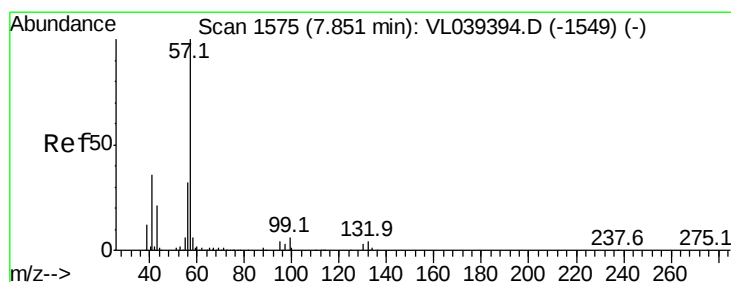
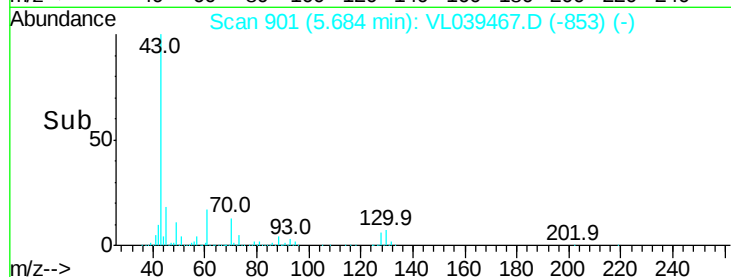
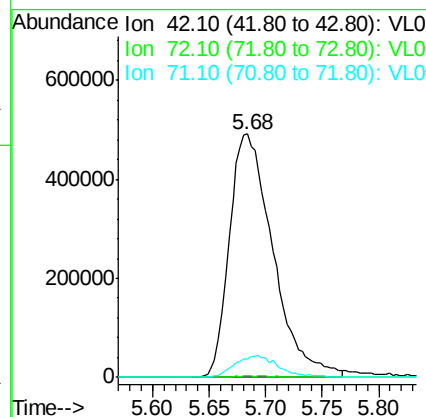
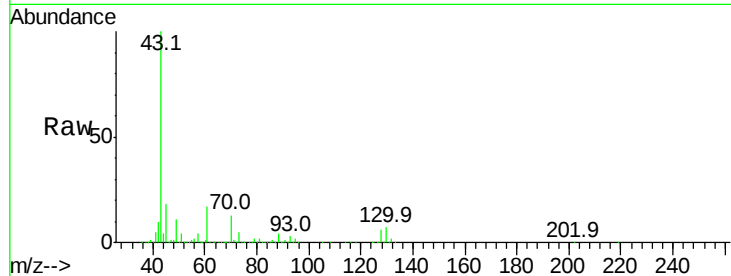
Tgt Ion	Ratio	Lower	Upper
63	100		
41	0.0	59.6	89.4#
62	16.6	51.4	77.0#





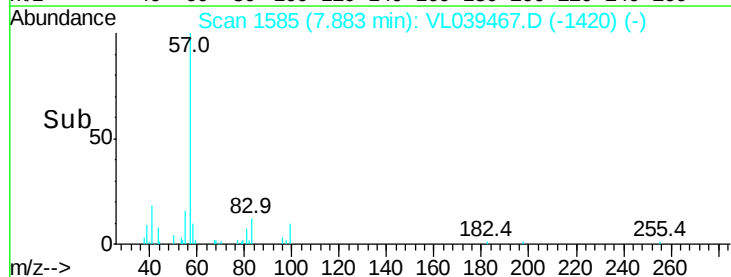
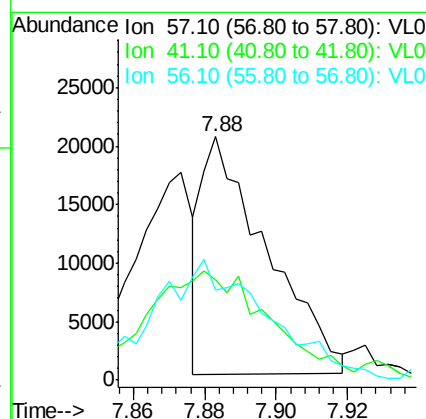
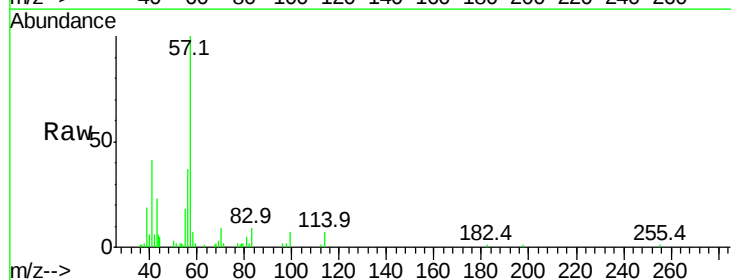
#41
 Tetrahydrofuran
 Concen: 12.67 ppbv
 RT: 5.68
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 13 Jul 2022 4:05

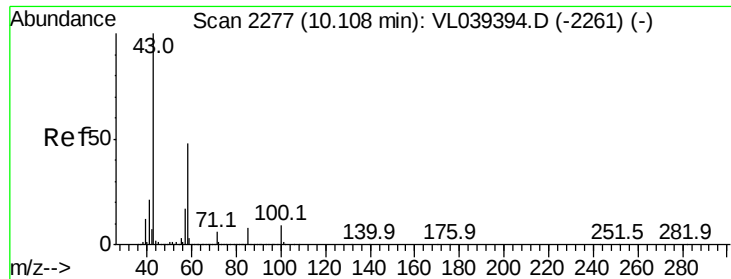
Tgt Ion: 42 Resp: 1313079
 Ion Ratio Lower Upper
 42 100
 72 0.5 31.8 47.8#
 71 9.1 31.8 47.8#



#44
 2,2,4-Trimethylpentane
 Concen: 0.05 ppbv
 RT: 7.88 min Scan# 1585
 Delta R.T. 0.03 min
 Lab File: VL039467.D
 Acq: 13 Jul 2022 4:05

Tgt Ion: 57 Resp: 25543
 Ion Ratio Lower Upper
 57 100
 41 78.0 27.4 41.2#
 56 93.6 24.5 36.7#





#51

2-Hexanone

Concen: 0.04 ppbv

RT: 10.16 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 13 Jul 2022 4:05

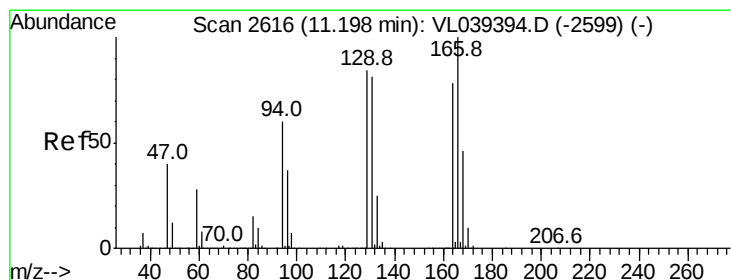
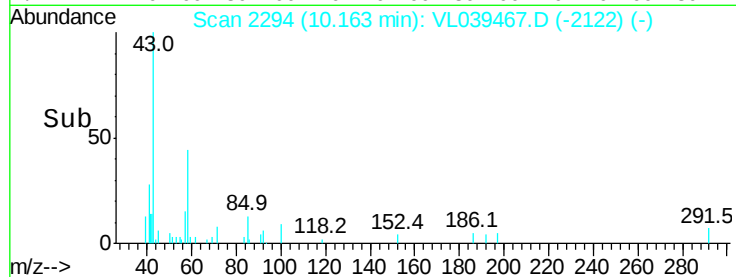
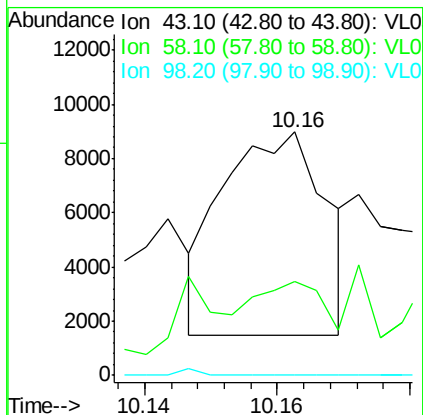
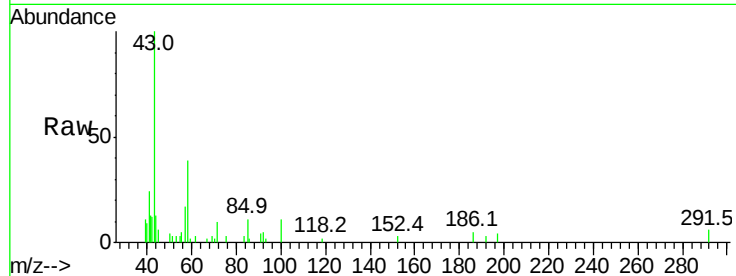
Tgt Ion: 43 Resp: 8067

Ion Ratio Lower Upper

43 100

58 0.0 38.4 57.6#

98 0.0 0.3 0.5#



#52

Tetrachloroethene

Concen: 0.95 ppbv

RT: 11.24 min Scan# 2628

Delta R.T. 0.04 min

Lab File: VL039467.D

Acq: 13 Jul 2022 4:05

Tgt Ion: 164 Resp: 104951

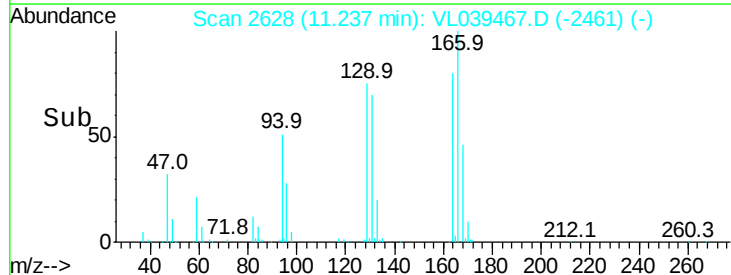
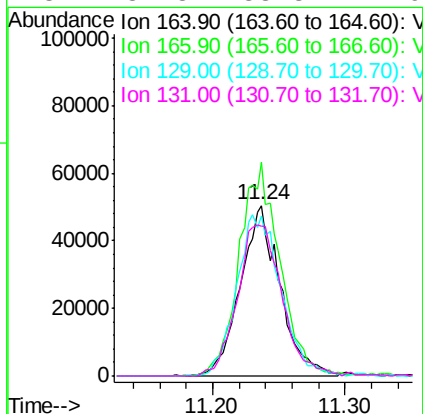
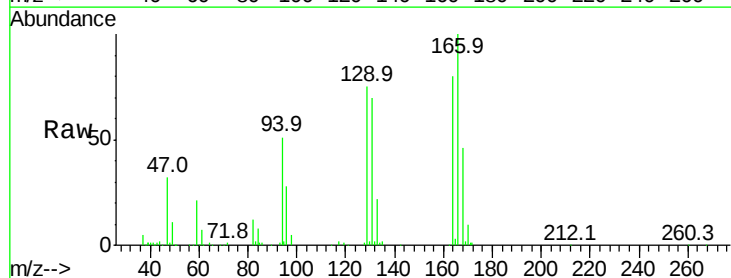
Ion Ratio Lower Upper

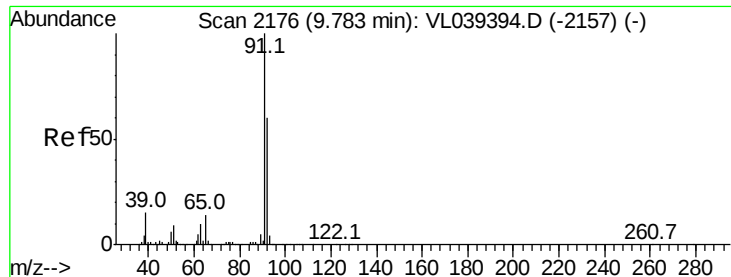
164 100

166 125.5 102.2 153.2

129 96.5 85.8 128.8

131 87.8 83.3 124.9





#53

Toluene

Concen: 2.06 ppbv

RT: 9.82 Instrument: MSVOA_1

Delta R.T. 0.03

Lab File: ClientSampleId: VIBLK

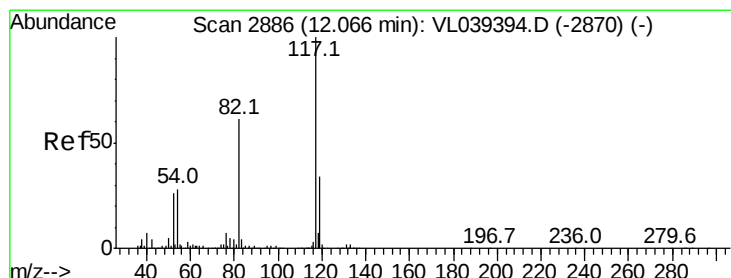
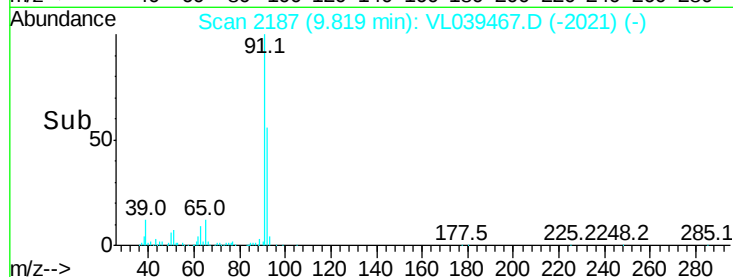
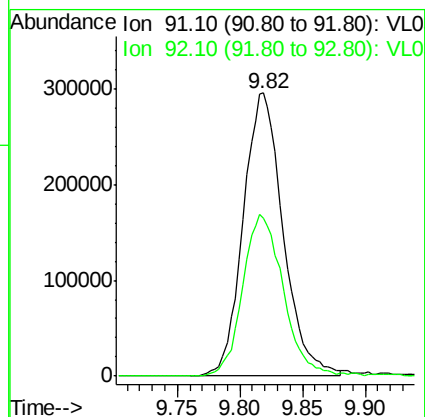
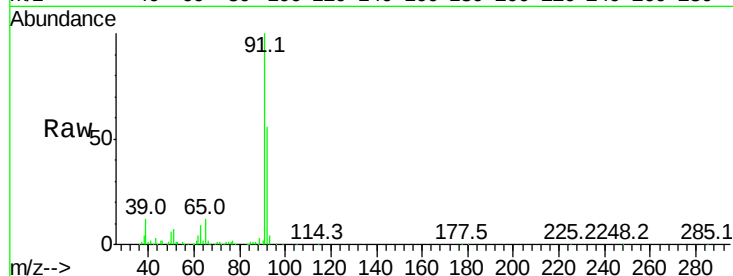
Acq: 13 Jul 2022 4:05

Tgt Ion: 91 Resp: 653751

Ion Ratio Lower Upper

91 100

92 58.8 48.2 72.2



#55

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 12.10 min Scan# 2895

Delta R.T. 0.03 min

Lab File: VL039467.D

Acq: 13 Jul 2022 4:05

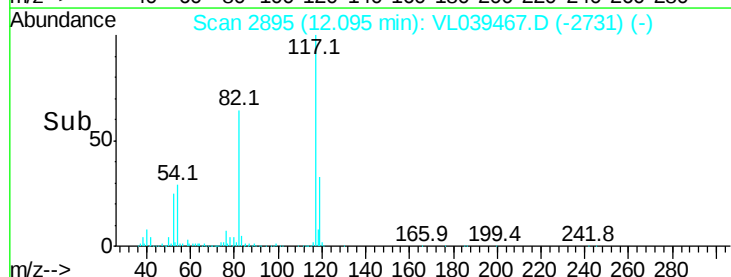
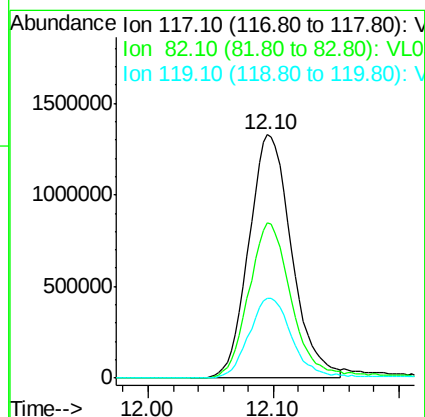
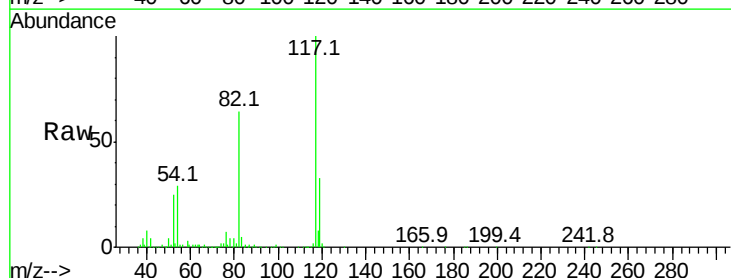
Tgt Ion: 117 Resp: 3156532

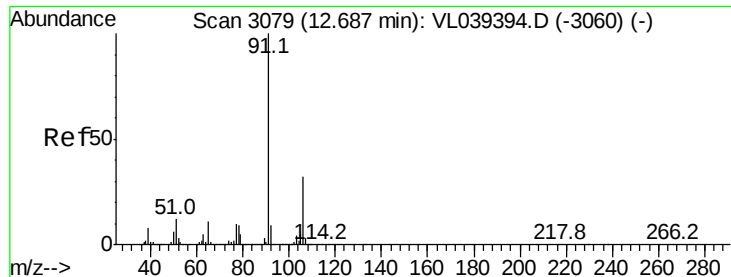
Ion Ratio Lower Upper

117 100

82 66.3 50.8 76.2

119 34.3 24.1 36.1





#58

Ethyl Benzene

Concen: 0.99 ppbv

RT: 12.72

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

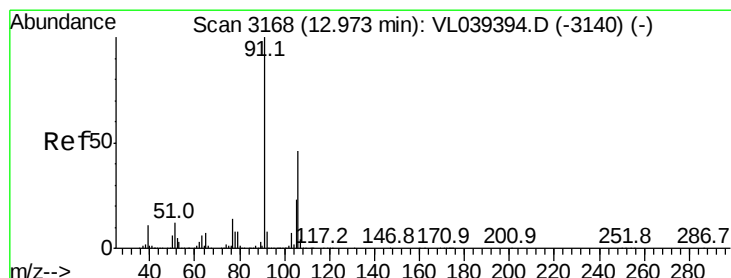
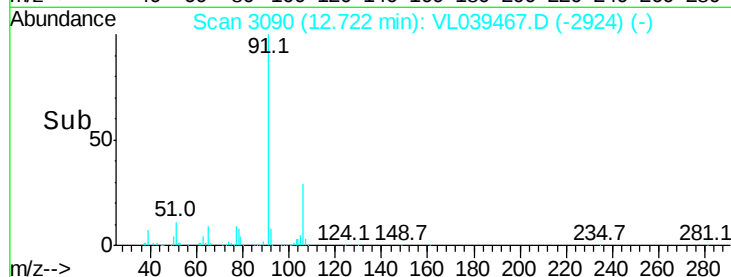
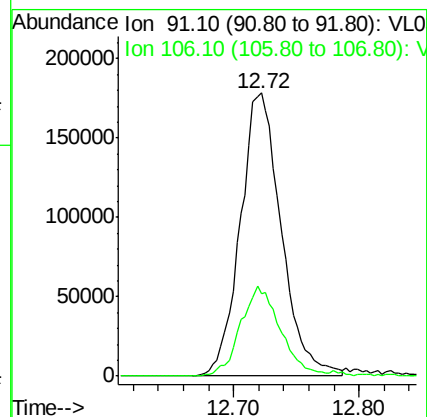
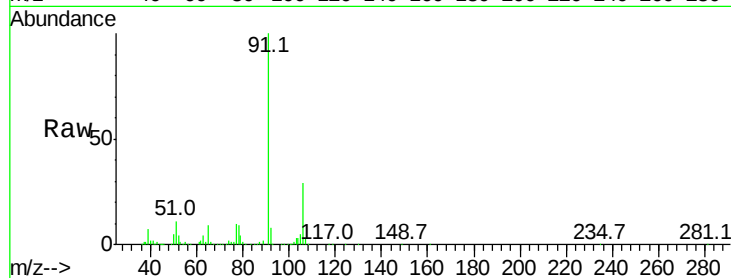
Acq: 13 Jul 2022 4:05

Tgt Ion: 91 Resp: 404469

Ion Ratio Lower Upper

91 100

106 29.1 25.4 38.0



#59

m/p-Xylene

Concen: 5.30 ppbv

RT: 12.98 min Scan# 3169

Delta R.T. 0.00 min

Lab File: VL039467.D

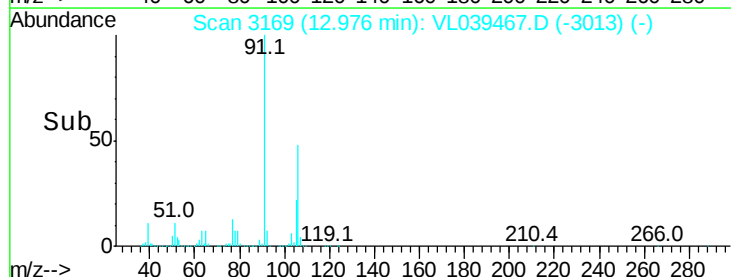
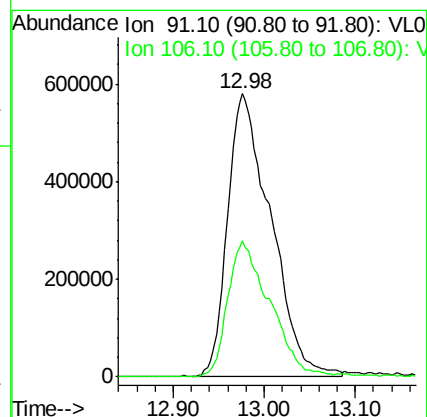
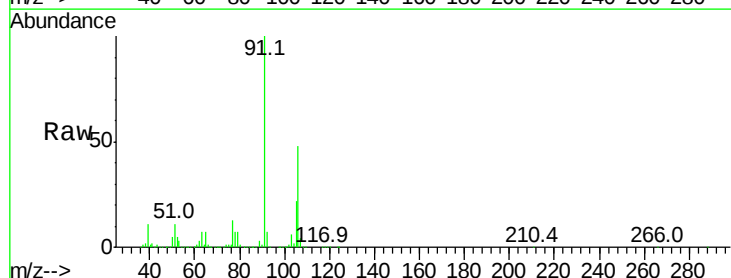
Acq: 13 Jul 2022 4:05

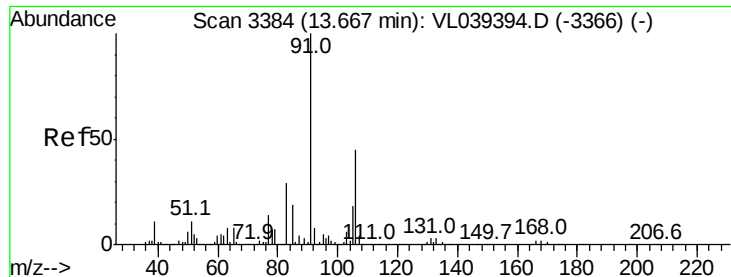
Tgt Ion: 91 Resp: 1906153

Ion Ratio Lower Upper

91 100

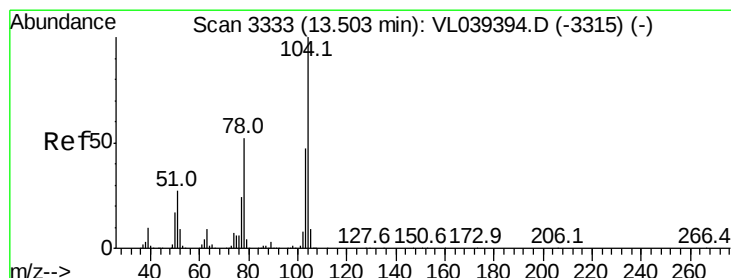
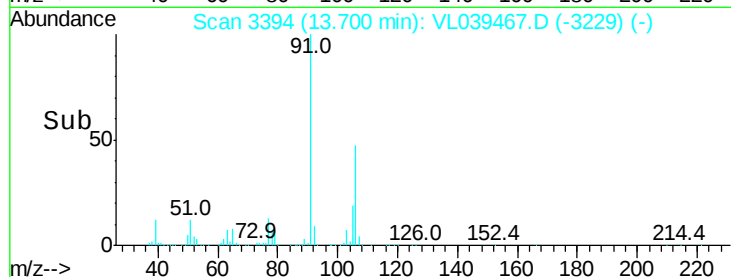
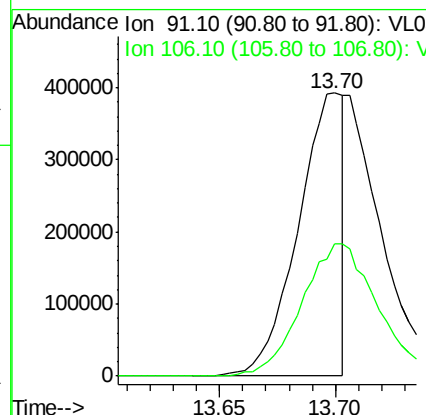
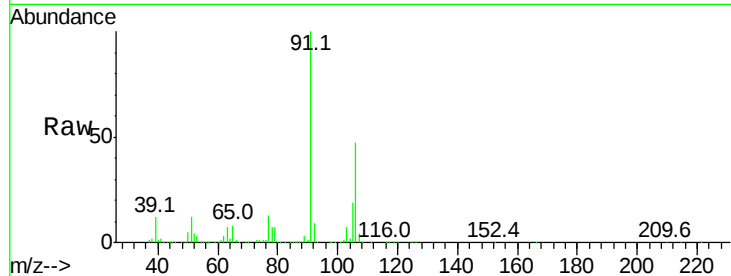
106 48.2 35.4 53.2





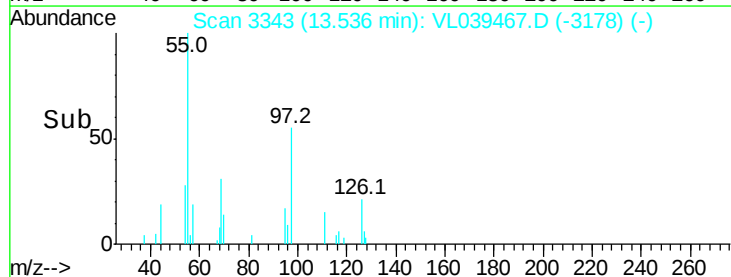
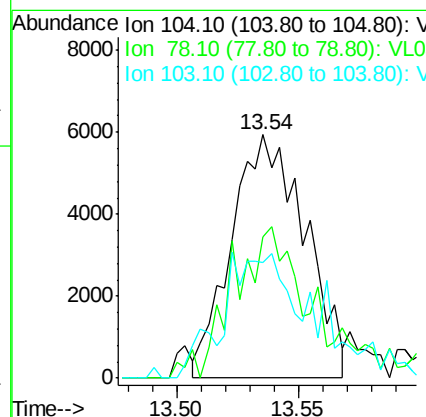
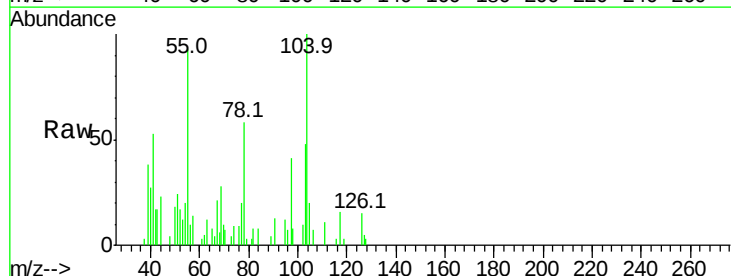
#60
o-Xylene
Concen: 1.56 ppbv
RT: 13.70
Delta R.T. MSVOA_1
Lab File: ClientSampleId :
Acq: 13 Jul 2022 4:05

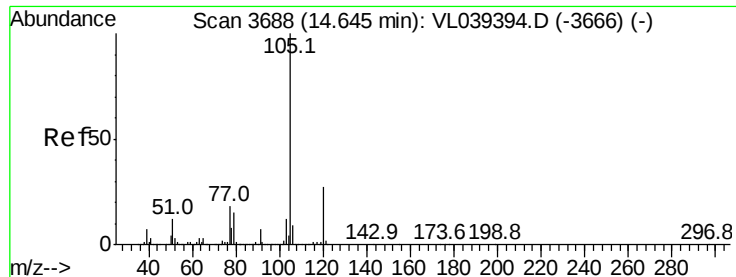
Tgt Ion: 91 Resp: 531425
Ion Ratio Lower Upper
91 100
106 81.9 22.4 67.3#



#61
Styrene
Concen: 0.07 ppbv
RT: 13.54 min Scan# 3343
Delta R.T. 0.03 min
Lab File: VL039467.D
Acq: 13 Jul 2022 4:05

Tgt Ion: 104 Resp: 12475
Ion Ratio Lower Upper
104 100
78 70.5 41.2 61.8#
103 64.8 38.7 58.1#





#62

Isopropylbenzene

Concen: 0.04 ppbv

RT: 14.68

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

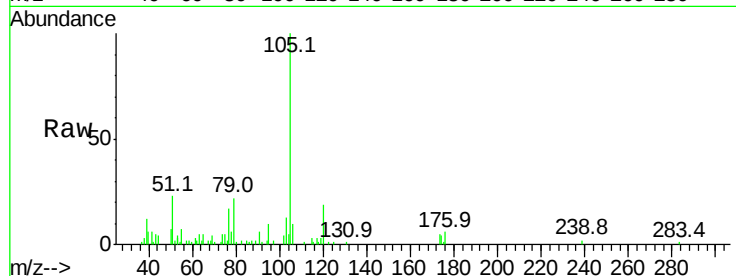
Acq: 13 Jul 2022 4:05

Tgt Ion:105 Resp: 22584

Ion Ratio Lower Upper

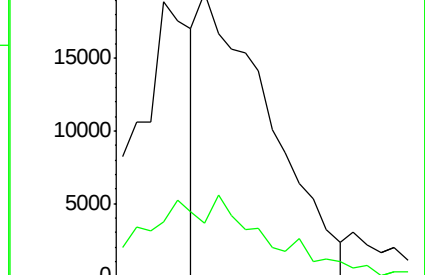
105 100

120 52.3 20.7 31.1#

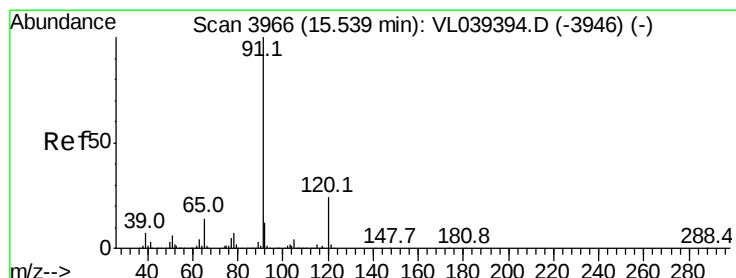
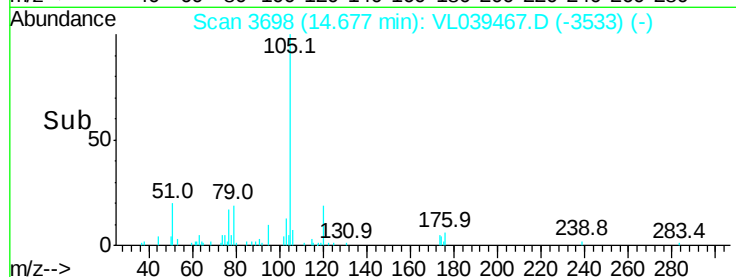


Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



Time--> 14.66 14.68 14.70 14.72



#64

n-propylbenzene

Concen: 0.04 ppbv

RT: 15.58 min Scan# 3979

Delta R.T. 0.04 min

Lab File: VL039467.D

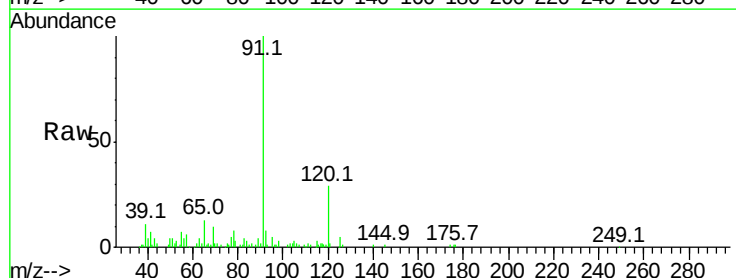
Acq: 13 Jul 2022 4:05

Tgt Ion:120 Resp: 5003

Ion Ratio Lower Upper

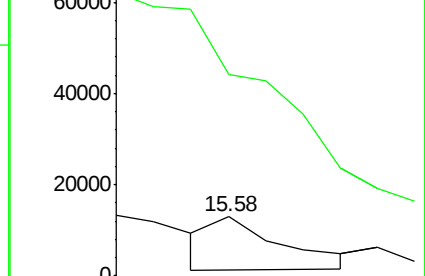
120 100

91 0.0 367.2 550.8#

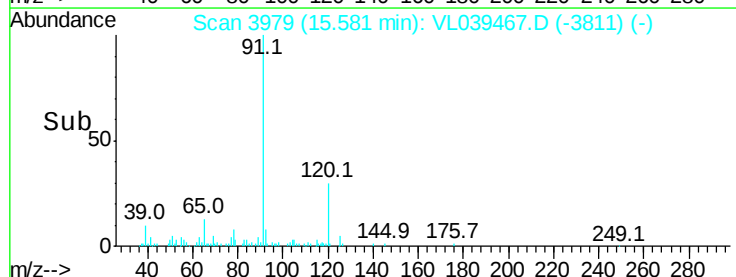


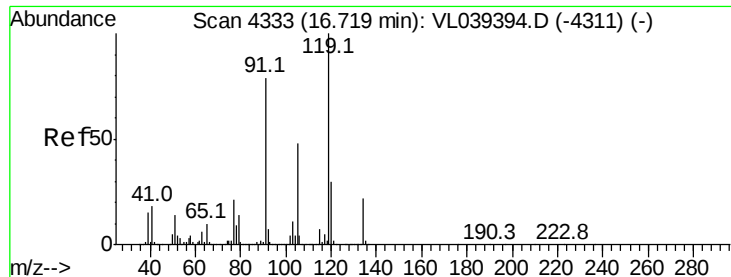
Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0



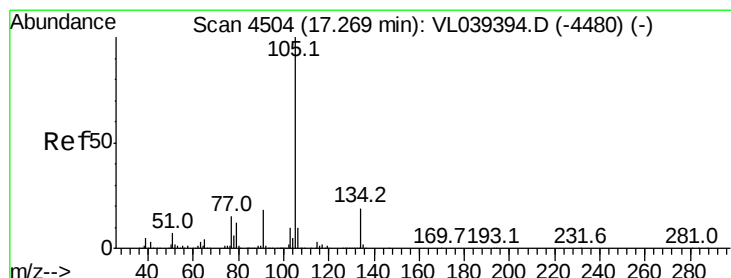
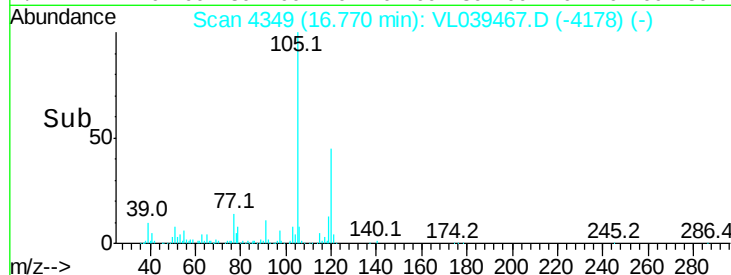
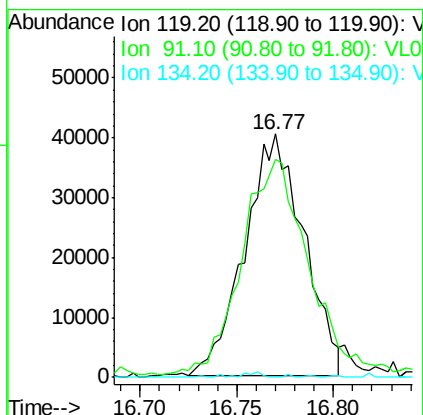
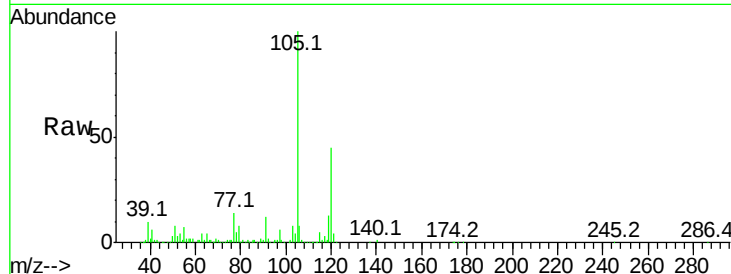
Time--> 15.58 15.59





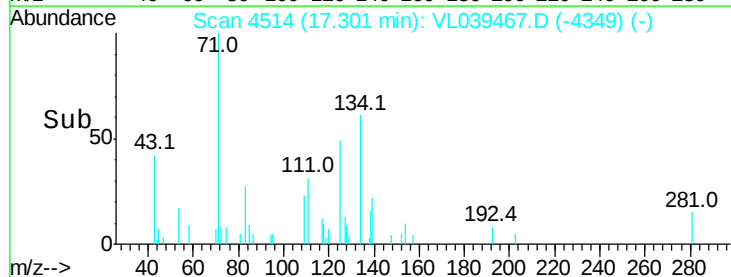
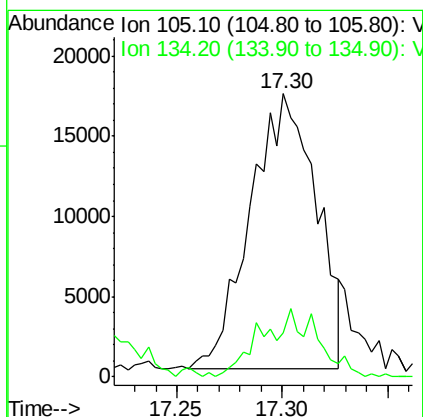
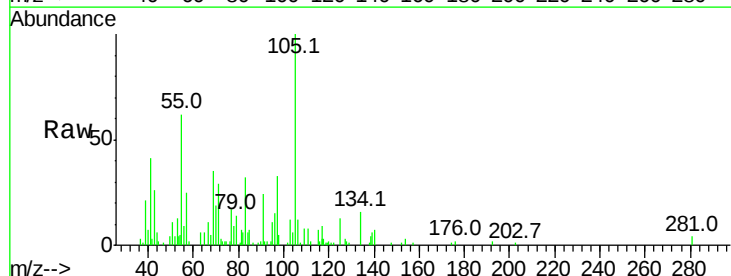
#65
 tert-Butylbenzene
 Concen: 0.18 ppbv
 RT: 16.77 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 13 Jul 2022 4:05

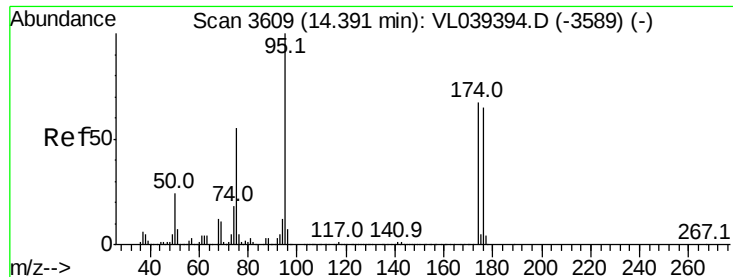
Tgt Ion:119 Resp: 85704
 Ion Ratio Lower Upper
 119 100
 91 101.4 63.4 95.2#
 134 1.0 15.9 23.9#



#67
 sec-Butylbenzene
 Concen: 0.06 ppbv
 RT: 17.30 min Scan# 4514
 Delta R.T. 0.03 min
 Lab File: VL039467.D
 Acq: 13 Jul 2022 4:05

Tgt Ion:105 Resp: 37351
 Ion Ratio Lower Upper
 105 100
 134 21.2 14.8 22.2





#68

1-Bromo-4-Fluorobenzene

Concen: 10.47 ppbv

RT: 14.42

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 13 Jul 2022 4:05

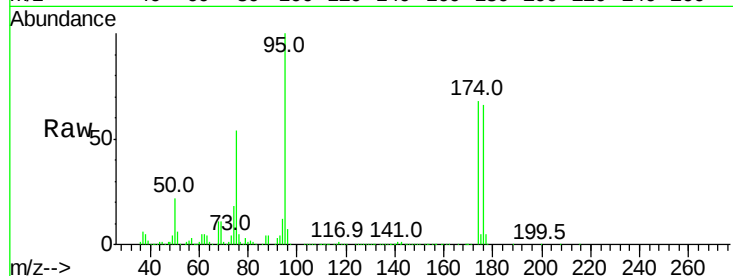
Tgt Ion: 95 Resp: 2452105

Ion Ratio Lower Upper

95 100

174 72.9 55.9 83.9

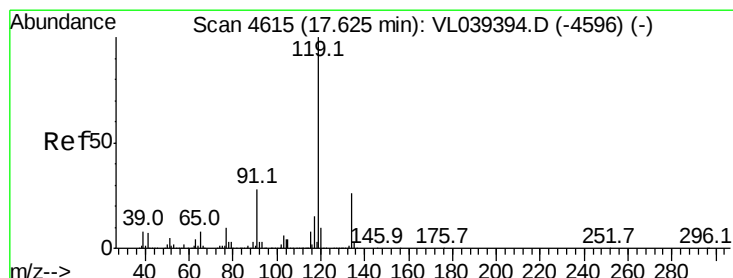
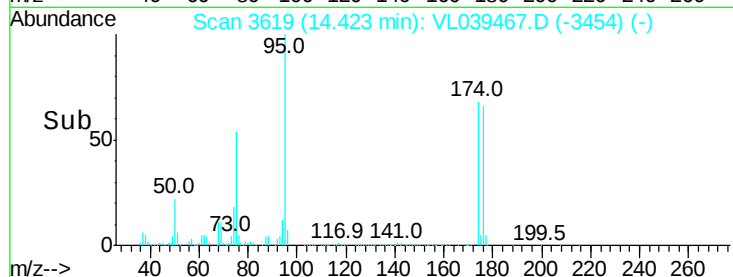
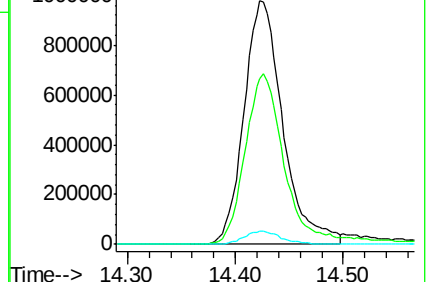
175 5.4 4.2 6.4



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V



#69

p-Isopropyltoluene

Concen: 0.09 ppbv

RT: 17.66 min Scan# 4626

Delta R.T. 0.04 min

Lab File: VL039467.D

Acq: 13 Jul 2022 4:05

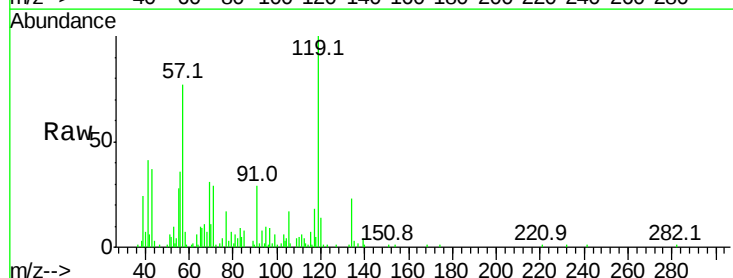
Tgt Ion: 119 Resp: 48096

Ion Ratio Lower Upper

119 100

134 28.5 20.3 30.5

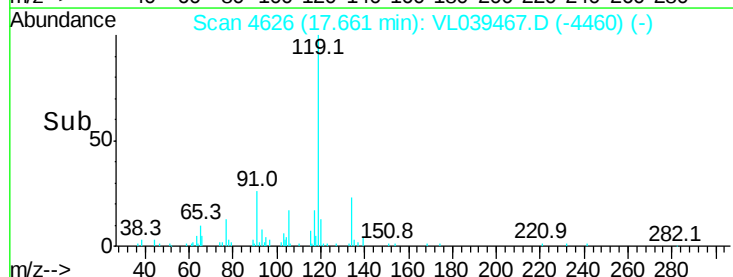
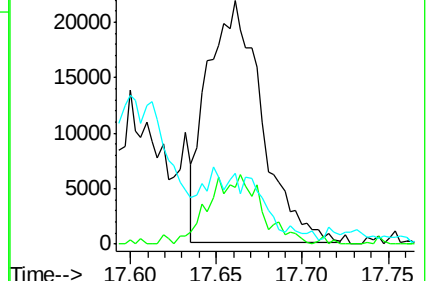
91 23.4 22.9 34.3

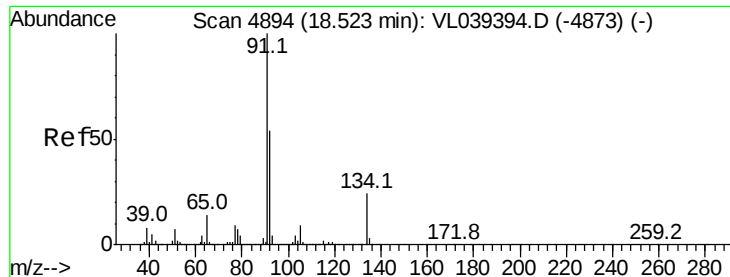


Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): VL0





#70

n-Butylbenzene

Concen: 0.06 ppbv

RT: 18.57

Delta R.T. MSVOA_1

Lab File: ClientSampleId :

Acq: 13 Jul 2022 4:05

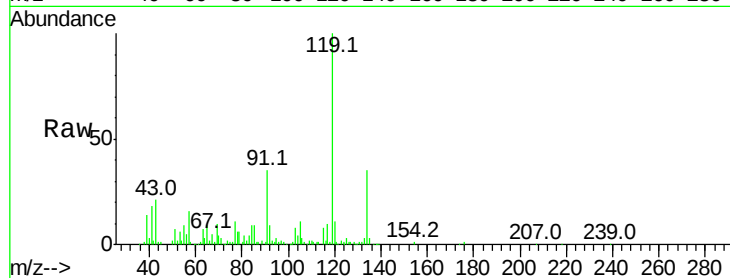
Tgt Ion: 91 Resp: 30174

Ion Ratio Lower Upper

91 100

92 0.0 43.4 65.2#

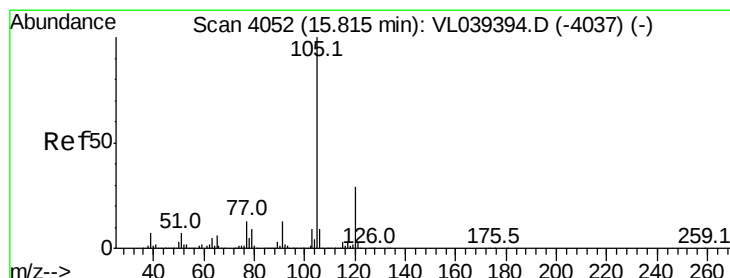
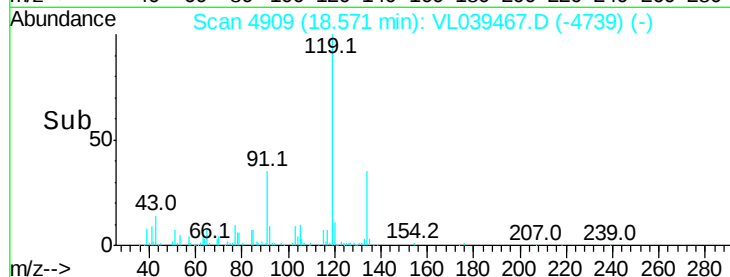
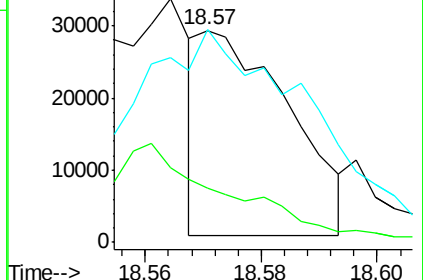
134 299.6 18.9 28.3#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

Ion 134.20 (133.90 to 134.90): VL0



#72

4-Ethyltoluene

Concen: 0.45 ppbv

RT: 15.85 min Scan# 4062

Delta R.T. 0.03 min

Lab File: VL039467.D

Acq: 13 Jul 2022 4:05

Tgt Ion: 105 Resp: 178979

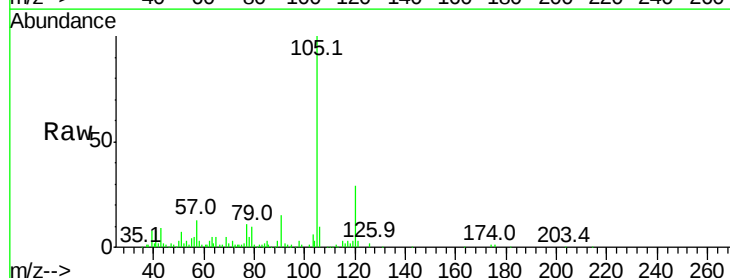
Ion Ratio Lower Upper

105 100

120 26.9 24.2 36.2

91 12.5 10.2 15.4

77 12.9 11.1 16.7

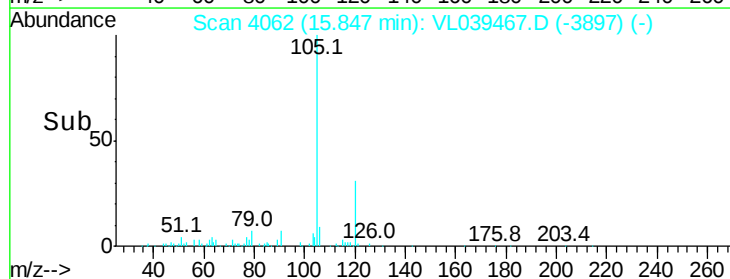
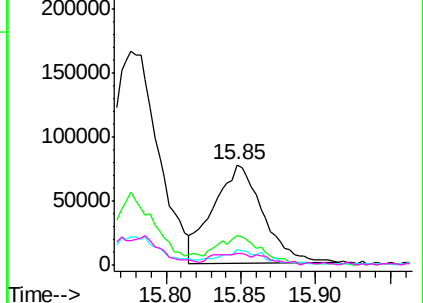


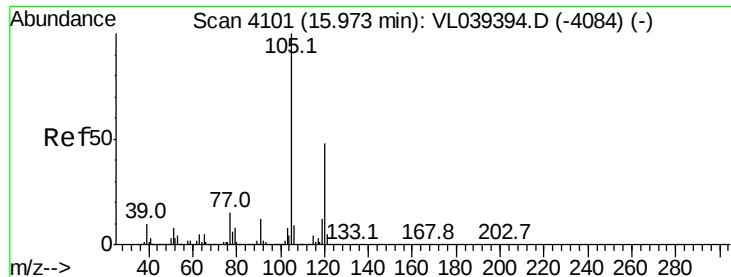
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#73

1,3,5-Trimethylbenzene

Concen: 0.67 ppbv

RT: 16.00

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

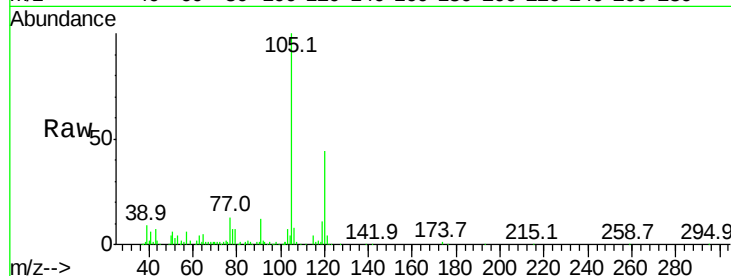
Acq: 13 Jul 2022 4:05

Tgt Ion:105 Resp: 247049

Ion Ratio Lower Upper

105 100

120 43.6 38.2 57.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

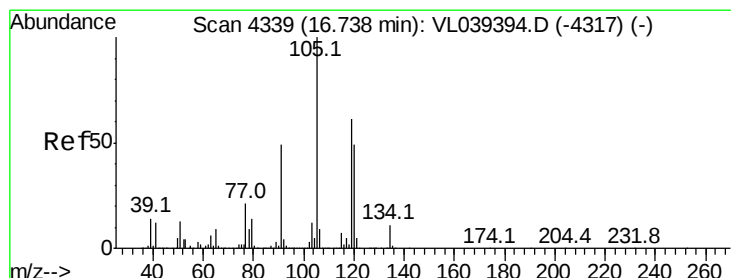
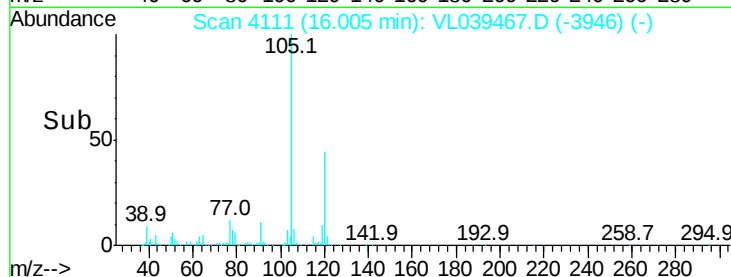
16.00

100000

50000

0

Time--> 15.90 16.00 16.10



#74

1,2,4-Trimethylbenzene

Concen: 1.85 ppbv

RT: 16.77 min Scan# 4348

Delta R.T. 0.03 min

Lab File: VL039467.D

Acq: 13 Jul 2022 4:05

Tgt Ion:105 Resp: 752859

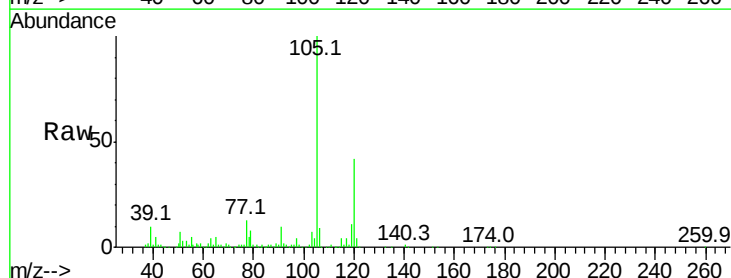
Ion Ratio Lower Upper

105 100

120 42.2 39.5 59.3

91 10.2 39.2 58.8#

77 12.9 17.2 25.8#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

500000

400000

300000

200000

100000

0

Time--> 16.70 16.75 16.80 16.85

