

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062921\
 Data File : VL037251.D
 Acq On : 29 Jun 2021 16:22
 Operator : SY/AP
 Sample : M2887-01 4X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

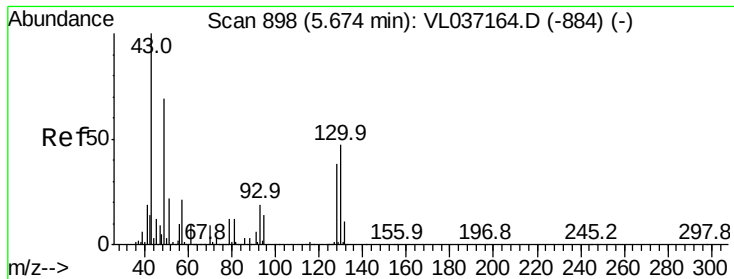
Quant Time: Jun 30 05:21:31 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 16 14:06:32 2021
 QLast Update : Wed Jun 16 14:06:32 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1735593	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.17	114	5018844	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.08	117	4450678	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	3342695	9.91	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	20725	0.069	ppbv	96
3) Chlorodifluoromethane	2.98	51	16602	0.049	ppbv	97
4) Chloromethane	3.14	50	4980	0.044	ppbv	98
9) Propene	3.01	41	630357	5.842	ppbv	95
10) Heptane	8.11	43	59053	0.226	ppbv #	47
11) Trichlorofluoromethane	3.94	101	13934	0.043	ppbv	95
13) Ethanol	3.61	45	84378	5.055	ppbv	96
15) Acetone	3.84	43	4658849	23.804	ppbv	97
16) 1,3-Butadiene	3.30	39	456511	3.945	ppbv #	32
17) tert-Butyl alcohol	4.31	59	95860	0.530	ppbv #	90
19) Isopropyl Alcohol	3.98	45	44124	0.372	ppbv #	91
20) Methylene Chloride	4.34	84	1250929	10.676	ppbv	97
23) Vinyl Acetate	5.06	43	23563	0.084	ppbv #	7
25) Ethyl Acetate	5.68	43	655758	1.548	ppbv #	77
26) Hexane	5.68	57	953250	4.451	ppbv #	46
27) Carbon Disulfide	4.55	76	6702	0.032	ppbv #	63
30) Cyclohexane	7.12	84	20925	0.117	ppbv #	11
34) 2-Butanone	5.25	43	220877	1.132	ppbv #	90
36) Benzene	6.88	78	104548	0.258	ppbv #	92
39) 1,2-Dichloropropane	7.17	63	1212210	8.038	ppbv #	22
41) Tetrahydrofuran	6.30	42	3974	0.044	ppbv #	42
51) 2-Hexanone	10.14	43	14103	0.108	ppbv #	29
53) Toluene	9.80	91	152941	0.315	ppbv	99
57) Chlorobenzene	12.14	112	24362	0.067	ppbv #	76
58) Ethyl Benzene	12.70	91	38880	0.063	ppbv #	79
59) m/p-Xylene	12.99	91	22806	0.044	ppbv #	30
60) o-Xylene	13.68	91	48168	0.097	ppbv	99
61) Styrene	13.52	104	8130	0.032	ppbv #	23
64) n-propylbenzene	15.55	120	6959	0.040	ppbv #	1
67) sec-Butylbenzene	17.27	105	51812	0.062	ppbv #	45
69) p-Isopropyltoluene	17.64	119	235317	0.335	ppbv #	93
70) n-Butylbenzene	18.54	91	30884	0.048	ppbv #	53
72) 4-Ethyltoluene	15.82	105	39891	0.071	ppbv #	65
73) 1,3,5-Trimethylbenzene	15.99	105	30824	0.057	ppbv	95
74) 1,2,4-Trimethylbenzene	16.75	105	191543	0.342	ppbv #	73
75) 1,3-Dichlorobenzene	16.98	146	11178	0.033	ppbv #	1

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. -0.01 min

Lab File: VL037251.D

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MSVOA_L
ClientSampleId :

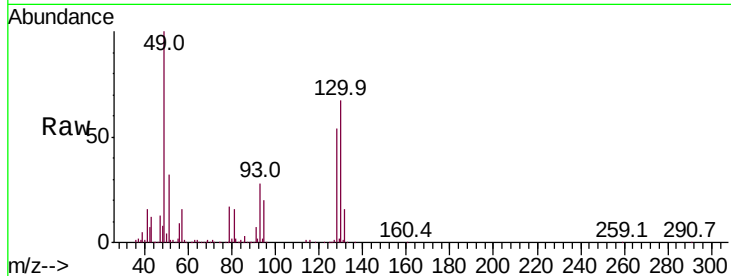
Tot Ion: 49 Resp: 1735593

Ion Ratio Lower Upper

49 100

128 55.6 29.3 88.0

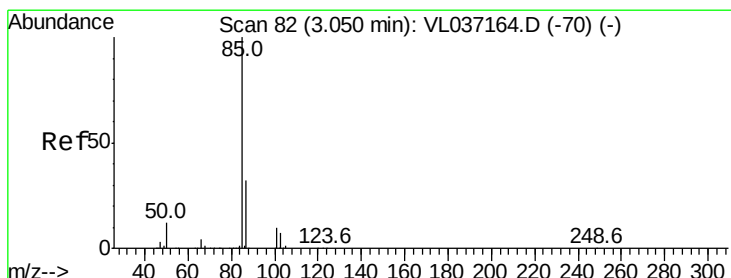
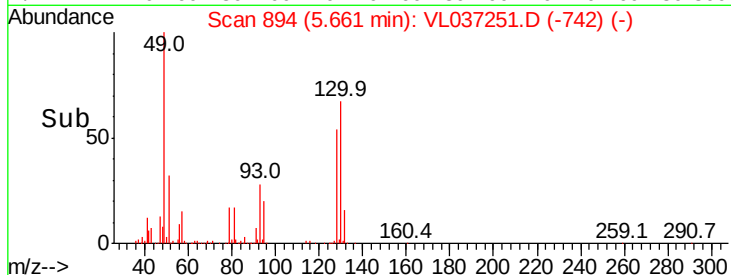
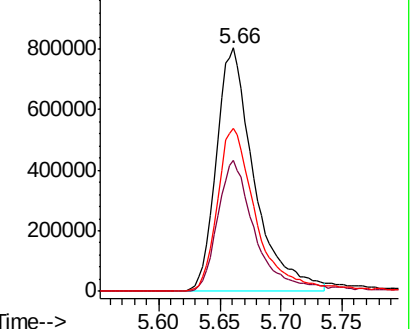
130 71.2 35.9 107.8



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 0.069 ppbv

RT: 3.04 min Scan# 80

Delta R.T. -0.01 min

Lab File: VL037251.D

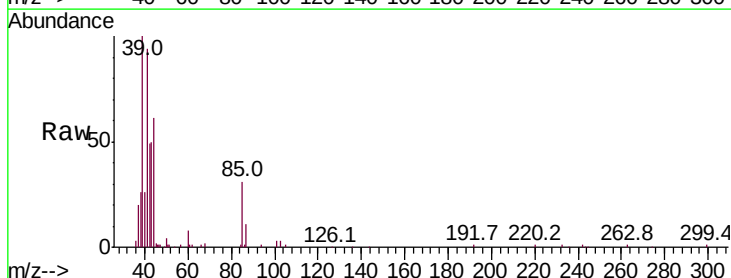
Acq: 29 Jun 2021 16:22

Tgt Ion: 85 Resp: 20725

Ion Ratio Lower Upper

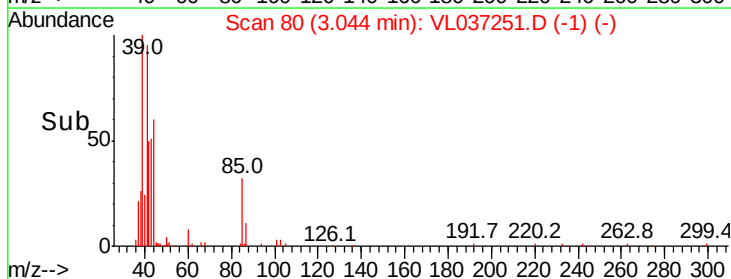
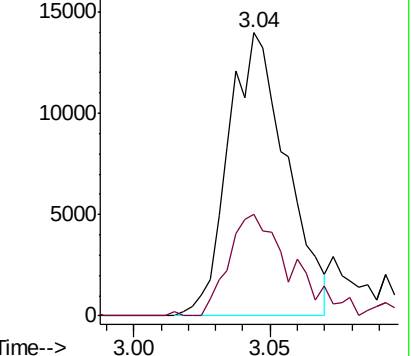
85 100

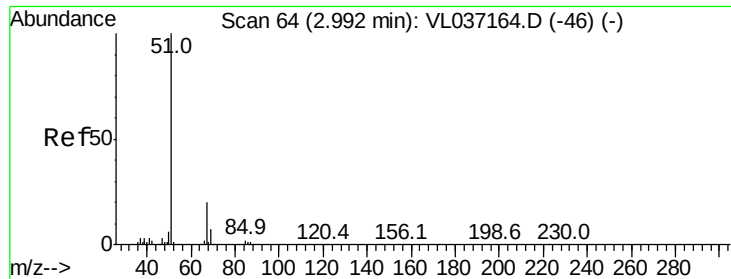
87 34.5 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.049 ppbv

RT: 2.98 min Scan# 61

Delta R.T. -0.01 min

Lab File: VL037251.D

Acq: 29 Jun 2021 16:22

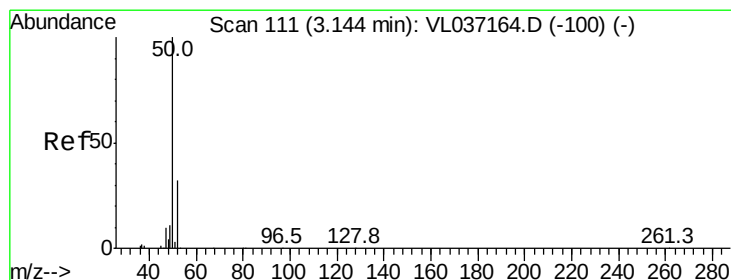
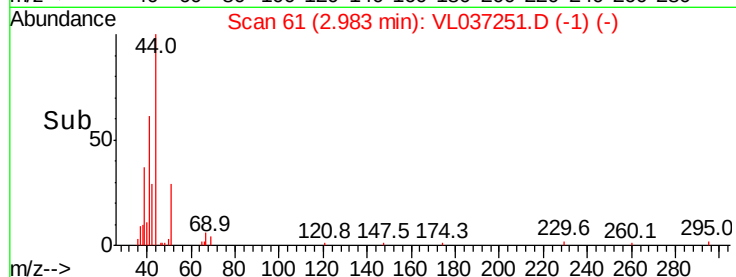
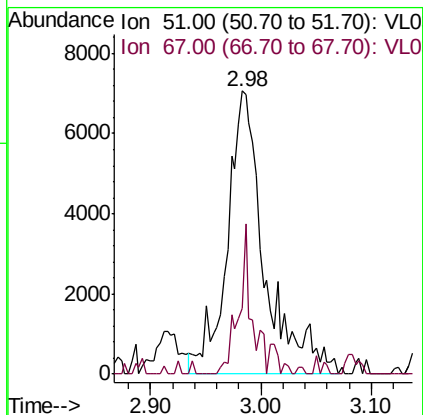
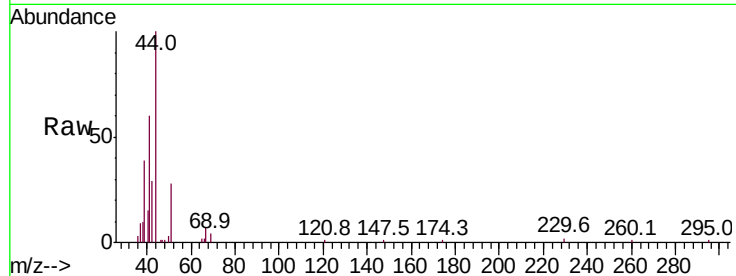
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 51 Resp: 16602

Ion Ratio Lower Upper

51 100

67 20.9 15.8 23.6



#4

Chloromethane

Concen: 0.044 ppbv

RT: 3.14 min Scan# 110

Delta R.T. -0.00 min

Lab File: VL037251.D

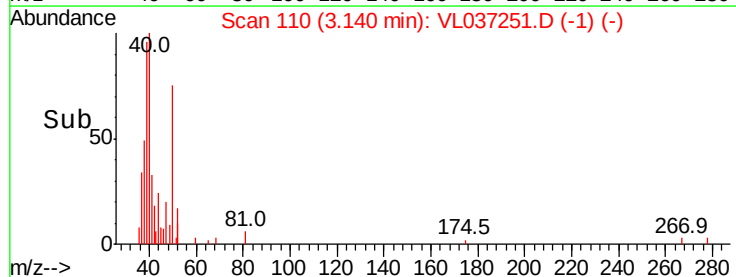
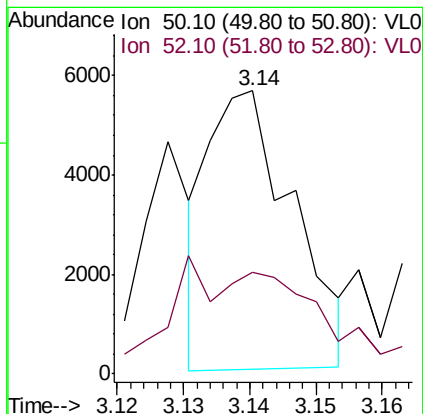
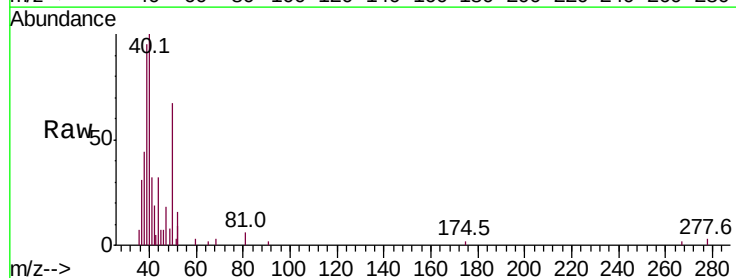
Acq: 29 Jun 2021 16:22

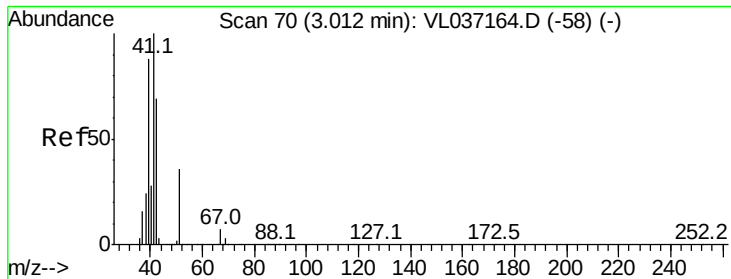
Tgt Ion: 50 Resp: 4980

Ion Ratio Lower Upper

50 100

52 33.4 25.8 38.8





#9

Propene

Concen: 5.842 ppbv

RT: 3.01 min Scan# 68

Delta R.T. -0.01 min

Lab File: VL037251.D

Acq: 29 Jun 2021 16:22

Instrument :

MSVOA_L

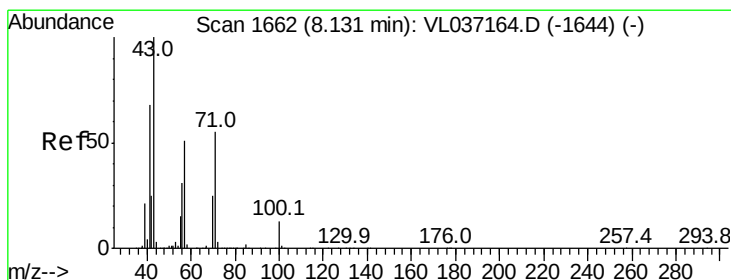
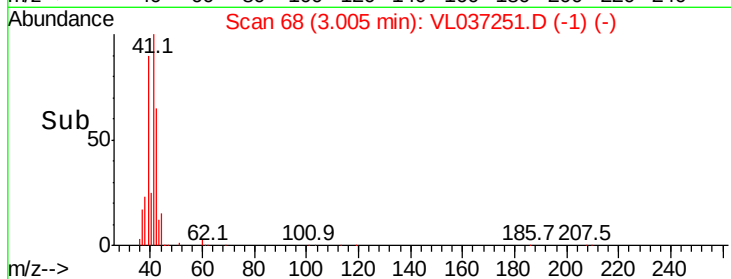
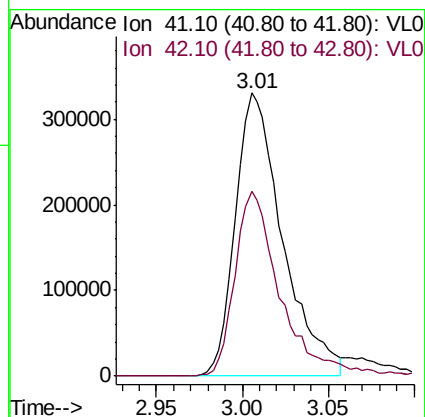
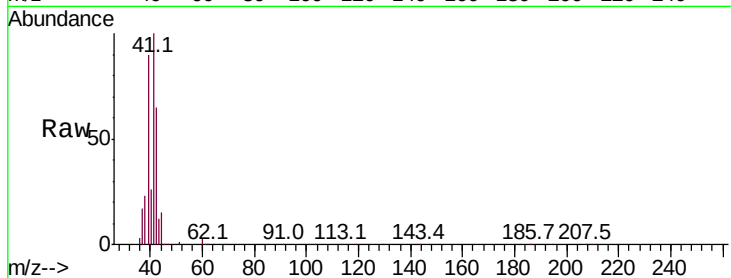
ClientSampleId :

Tot Ion: 41 Resp: 630357

Ion Ratio Lower Upper

41 100

42 63.7 54.5 81.7



#10

Heptane

Concen: 0.226 ppbv

RT: 8.11 min Scan# 1657

Delta R.T. -0.02 min

Lab File: VL037251.D

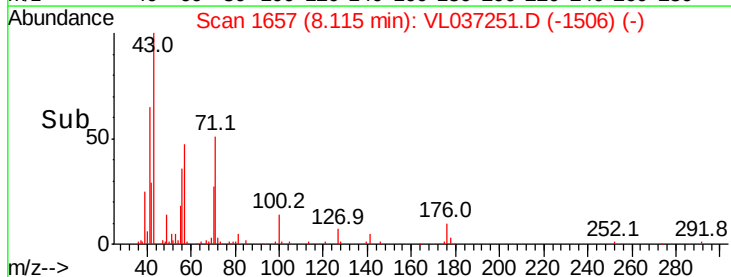
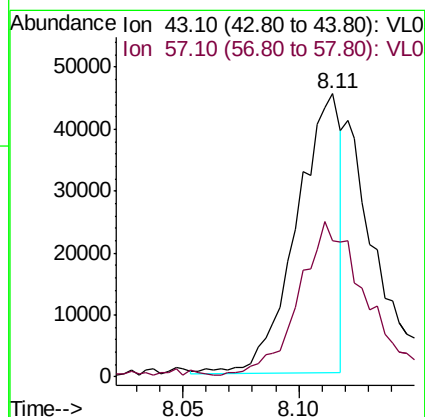
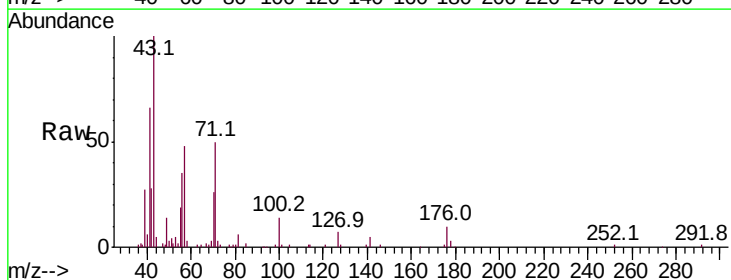
Acq: 29 Jun 2021 16:22

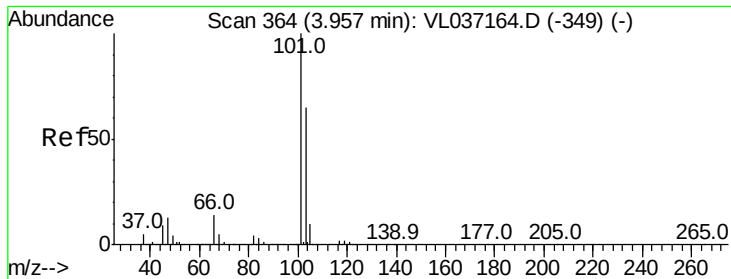
Tgt Ion: 43 Resp: 59053

Ion Ratio Lower Upper

43 100

57 87.6 40.6 61.0#





#11

Trichlorofluoromethane

Concen: 0.043 ppbv

RT: 3.94 min Scan# 359

Delta R.T. -0.02 min

Lab File: VL037251.D

Acq: 29 Jun 2021 16:22

Instrument :

MSVOA_L

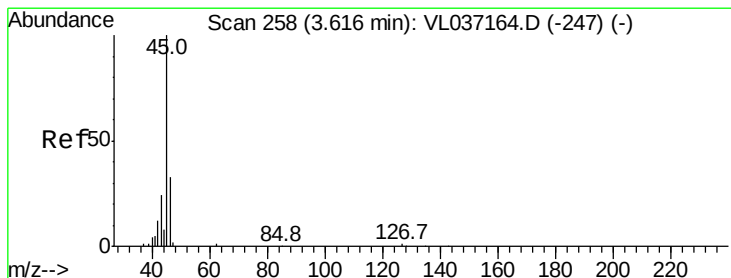
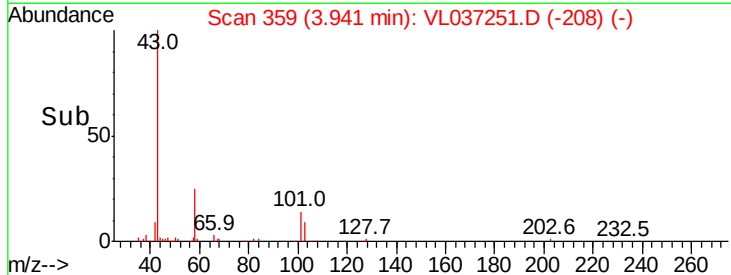
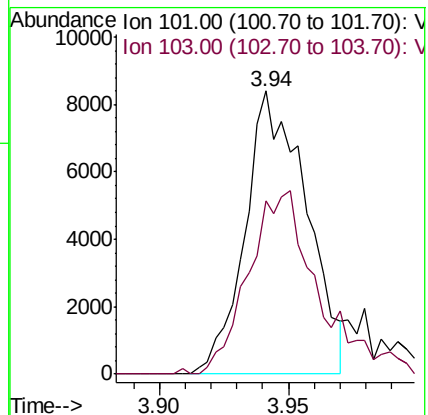
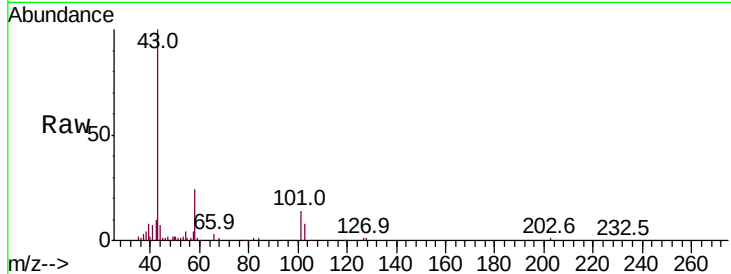
ClientSampleId :

Tot Ion:101 Resp: 13934

Ion Ratio Lower Upper

101 100

103 61.1 52.2 78.4



#13

Ethanol

Concen: 5.055 ppbv

RT: 3.61 min Scan# 256

Delta R.T. -0.01 min

Lab File: VL037251.D

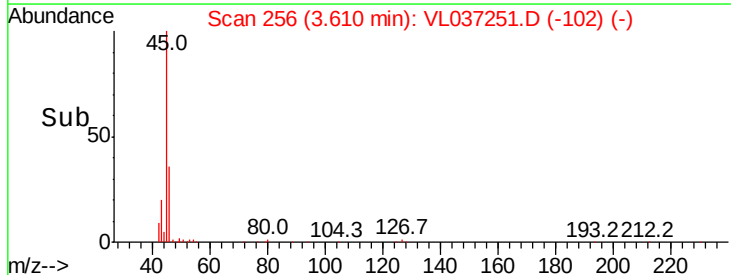
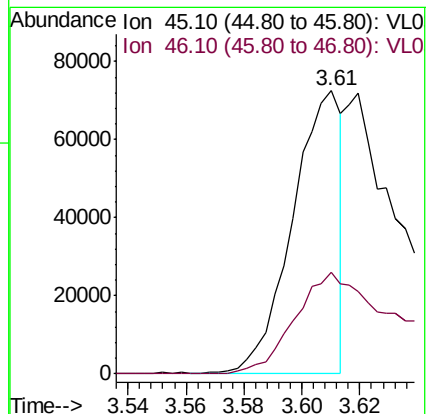
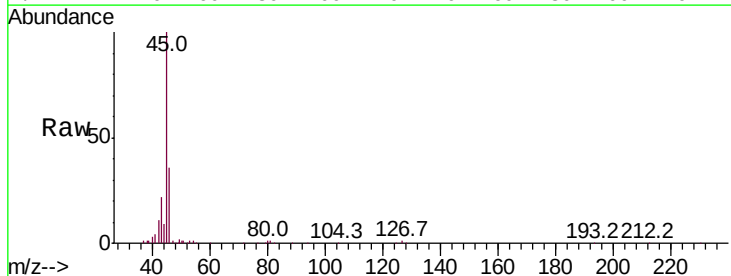
Acq: 29 Jun 2021 16:22

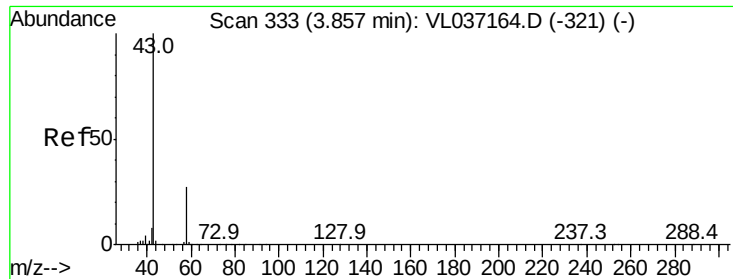
Tgt Ion: 45 Resp: 84378

Ion Ratio Lower Upper

45 100

46 89.4 34.2 137.0

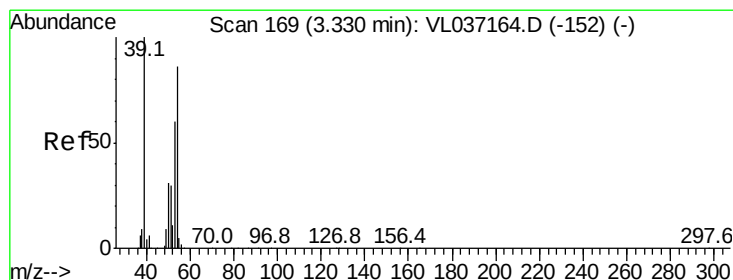
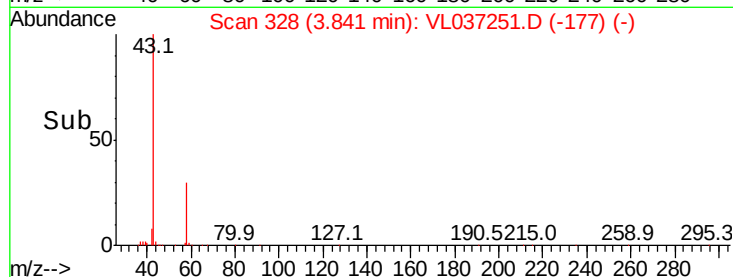
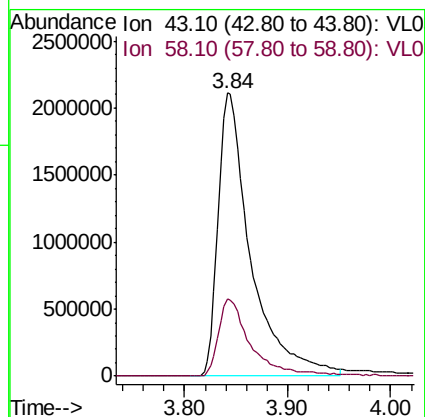
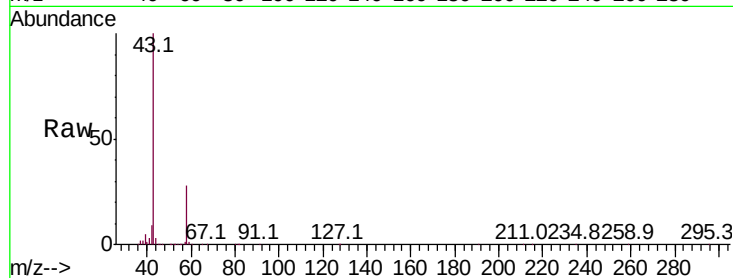




#15
Acetone
Concen: 23.804 ppbv
RT: 3.84 min Scan# 328
Delta R.T. -0.02 min
Lab File: VL037251.D
Acq: 29 Jun 2021 16:22

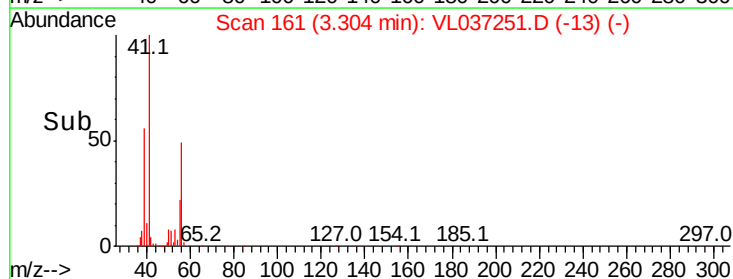
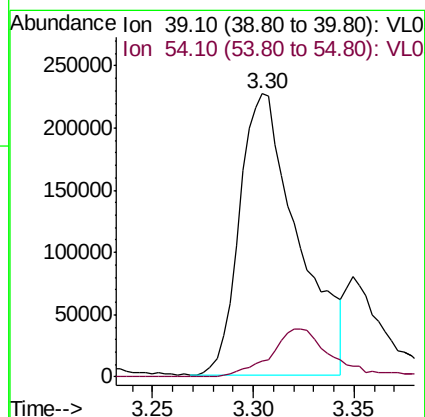
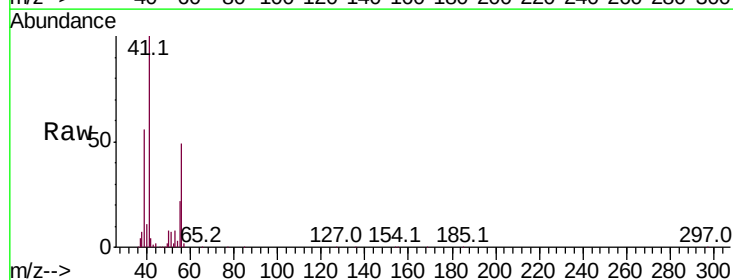
Instrument :
MSVOA_L
ClientSampleId :

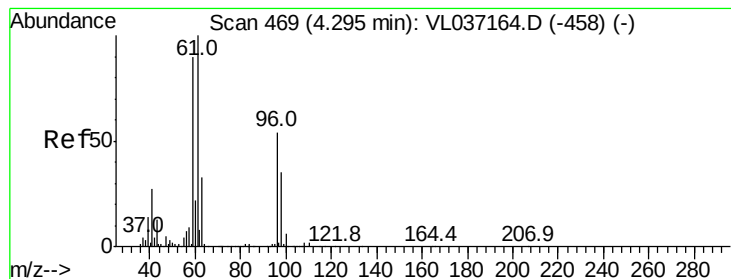
Tot Ion: 43 Resp: 4658849
Ion Ratio Lower Upper
43 100
58 27.9 23.7 35.5



#16
1,3-Butadiene
Concen: 3.945 ppbv
RT: 3.30 min Scan# 161
Delta R.T. -0.03 min
Lab File: VL037251.D
Acq: 29 Jun 2021 16:22

Tgt Ion: 39 Resp: 456511
Ion Ratio Lower Upper
39 100
54 17.7 61.2 91.8#





#17

tert-Butyl alcohol

Concen: 0.530 ppbv

RT: 4.31 min Scan# 474

Delta R.T. 0.02 min

Lab File: VL037251.D

Acq: 29 Jun 2021 16:22

Instrument :

MSVOA_L

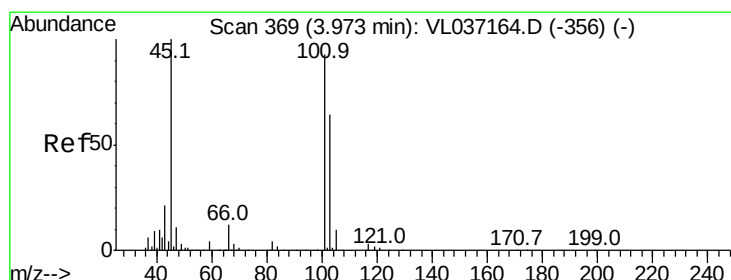
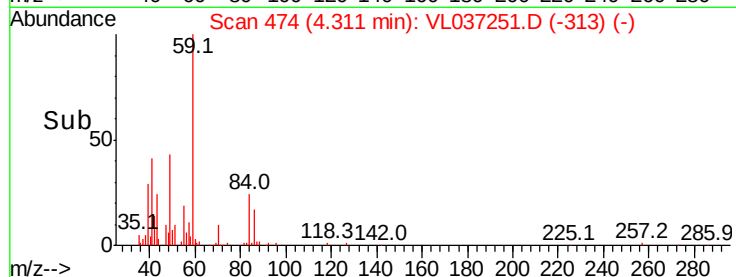
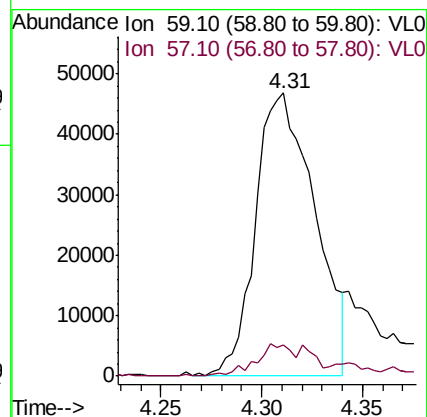
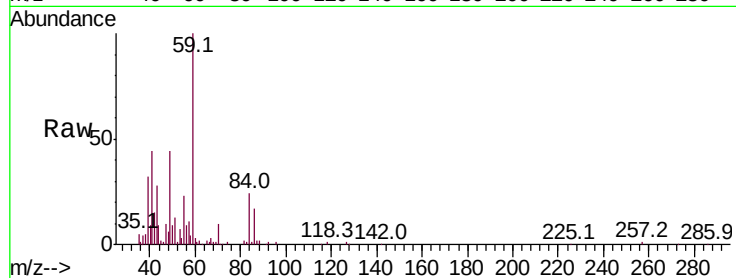
ClientSampleId :

Tot Ion: 59 Resp: 95860

Ion Ratio Lower Upper

59 100

57 14.7 8.8 13.2#



#19

Isopropyl Alcohol

Concen: 0.372 ppbv

RT: 3.98 min Scan# 372

Delta R.T. 0.01 min

Lab File: VL037251.D

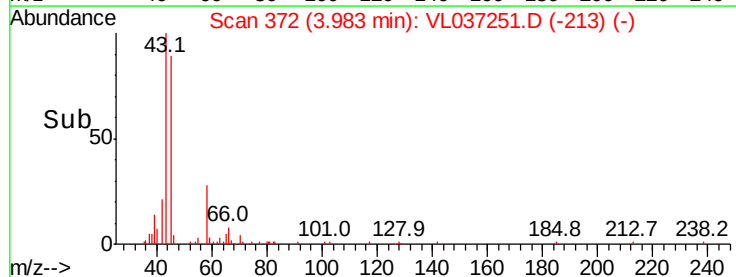
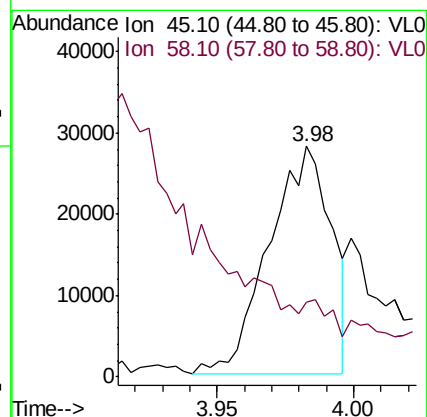
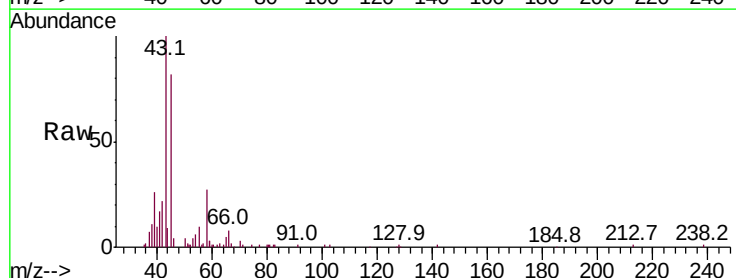
Acq: 29 Jun 2021 16:22

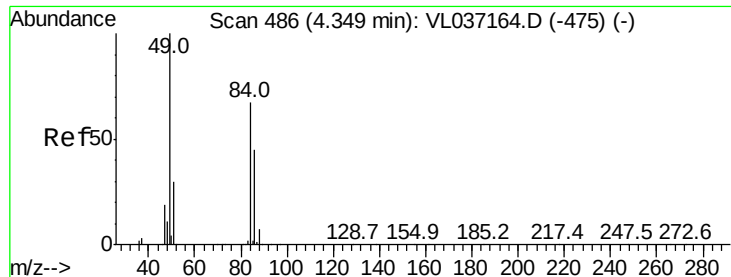
Tgt Ion: 45 Resp: 44124

Ion Ratio Lower Upper

45 100

58 0.0 2.4 3.6#



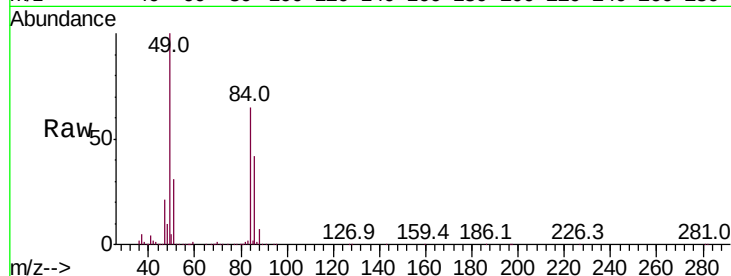


#20
Methylene Chloride
Concen: 10.676 ppbv
RT: 4.34 min Scan# 483
Delta R.T. -0.01 min
Lab File: VL037251.D
Acq: 29 Jun 2021 16:22

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 84 Resp: 1250929

Ion	Ratio	Lower	Upper
84	100		
49	153.4	119.7	179.5
51	47.4	36.1	54.1
86	64.6	53.7	80.5



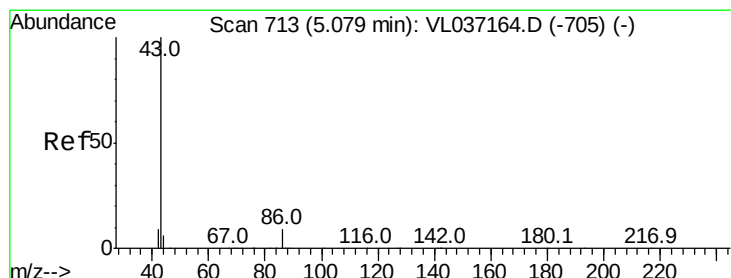
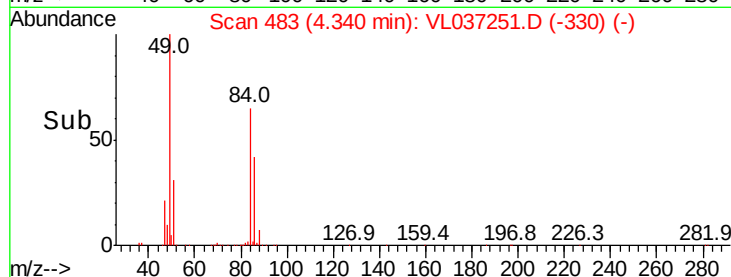
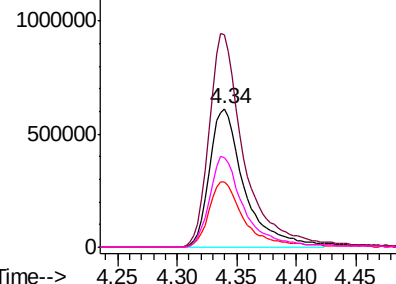
Abundance

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

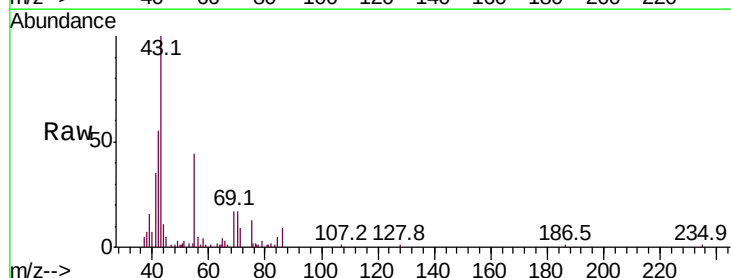
Ion 86.00 (85.70 to 86.70): VL0



#23
Vinyl Acetate
Concen: 0.084 ppbv
RT: 5.06 min Scan# 708
Delta R.T. -0.02 min
Lab File: VL037251.D
Acq: 29 Jun 2021 16:22

Tgt Ion: 43 Resp: 23563

Ion	Ratio	Lower	Upper
43	100		
86	13.4	5.8	8.8#
42	79.4	8.2	12.2#
44	0.0	4.2	6.4#



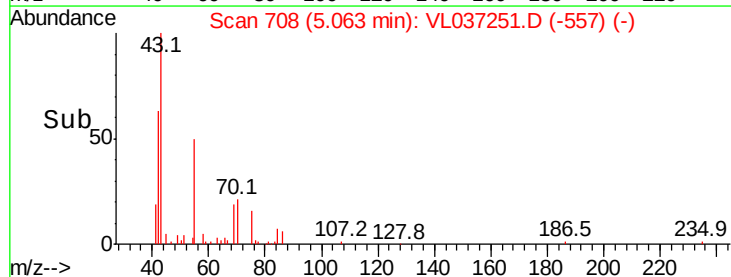
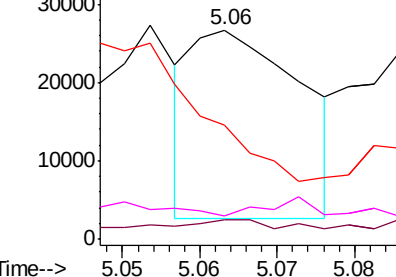
Abundance

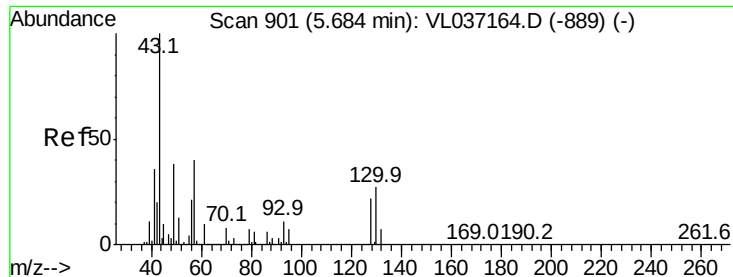
Ion 43.10 (42.80 to 43.80): VL0

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: 1.548 ppbv

RT: 5.68 min Scan# 900

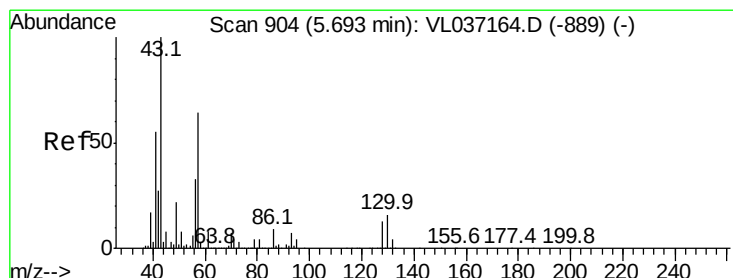
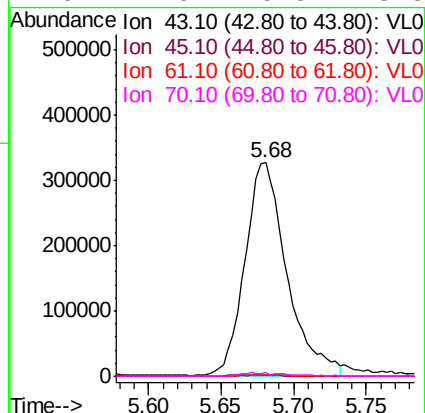
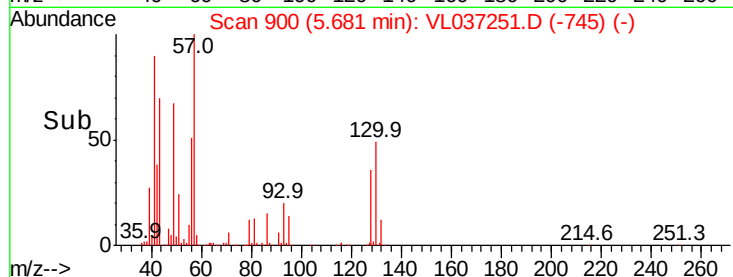
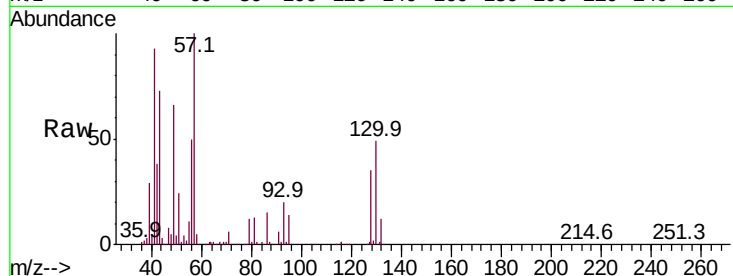
Delta R.T. -0.00 min

Lab File: VL037251.D

Acq: 29 Jun 2021 16:22

Instrument :
MSVOA_L
ClientSampled :

Tot Ion:	43	Resp:	655758
Ion	Ratio	Lower	Upper
43	100		
45	0.8	8.0	12.0#
61	0.5	8.1	12.1#
70	1.9	5.5	8.3#



#26

Hexane

Concen: 4.451 ppbv

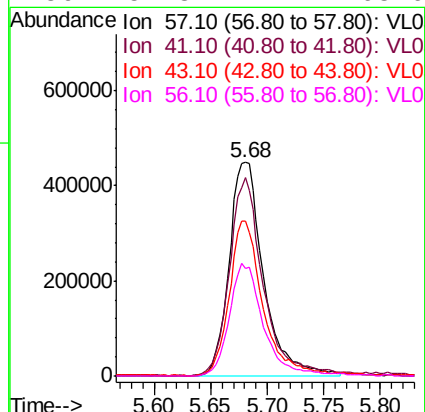
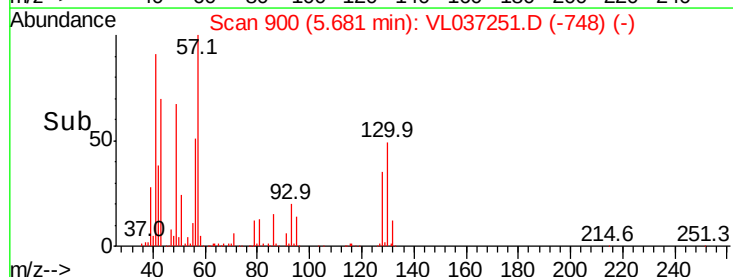
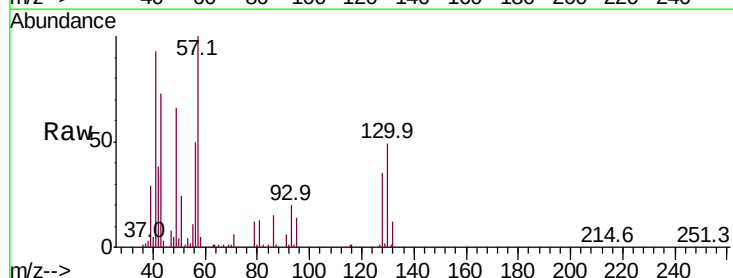
RT: 5.68 min Scan# 900

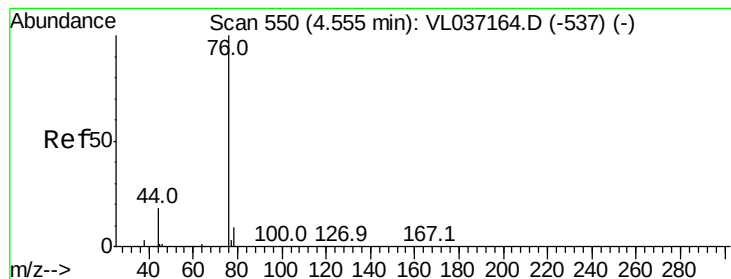
Delta R.T. -0.01 min

Lab File: VL037251.D

Acq: 29 Jun 2021 16:22

Tgt Ion:	57	Resp:	953250
Ion	Ratio	Lower	Upper
57	100		
41	93.1	73.5	110.3
43	70.4	170.7	256.1#
56	52.8	42.4	63.6





#27

Carbon Disulfide

Concen: 0.032 ppbv

RT: 4.55 min Scan# 547

Delta R.T. -0.01 min

Lab File: VL037251.D

Acq: 29 Jun 2021 16:22

Instrument :

MSVOA_L

ClientSampleId :

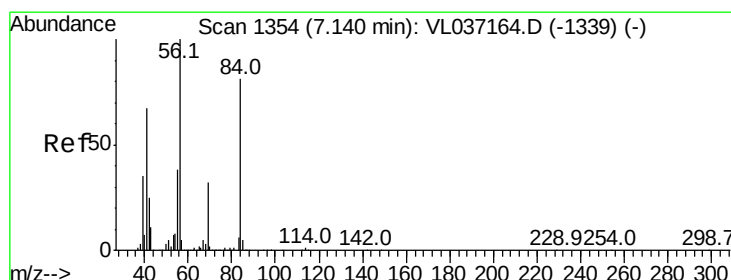
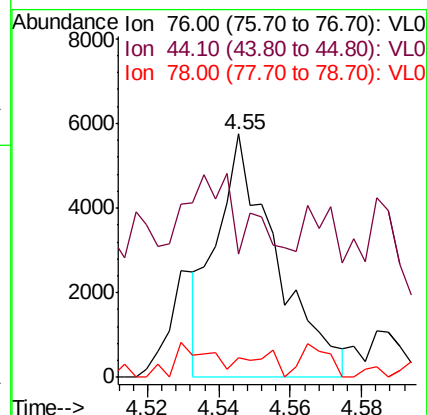
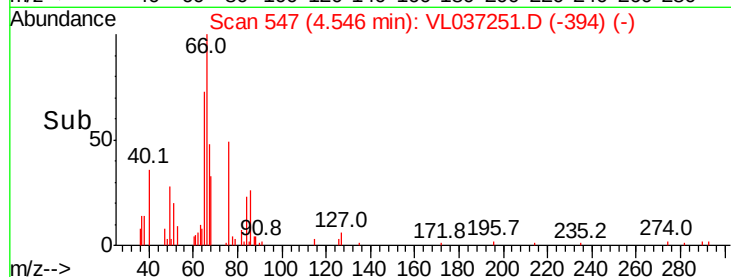
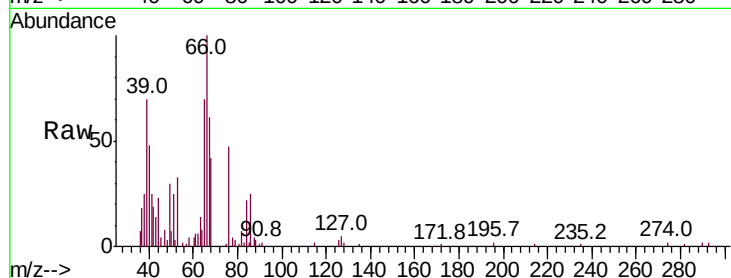
Tot Ion: 76 Resp: 6702

Ion Ratio Lower Upper

76 100

44 38.6 15.4 23.2#

78 0.0 8.0 12.0#



#30

Cyclohexane

Concen: 0.117 ppbv

RT: 7.12 min Scan# 1347

Delta R.T. -0.02 min

Lab File: VL037251.D

Acq: 29 Jun 2021 16:22

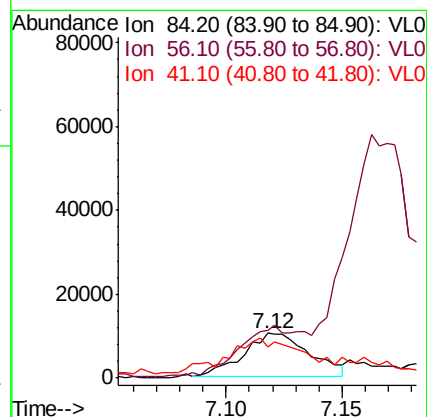
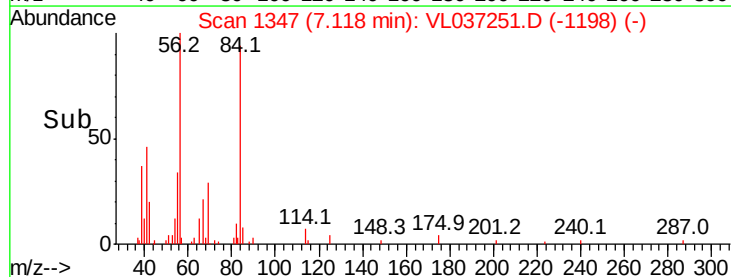
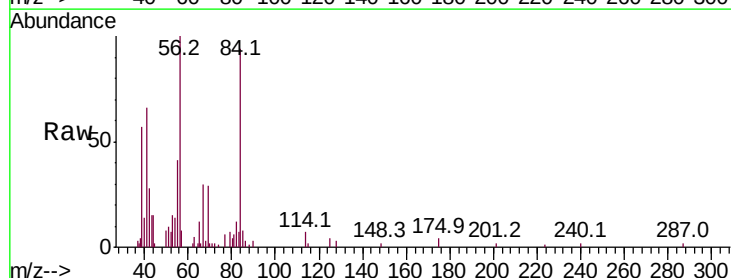
Tgt Ion: 84 Resp: 20925

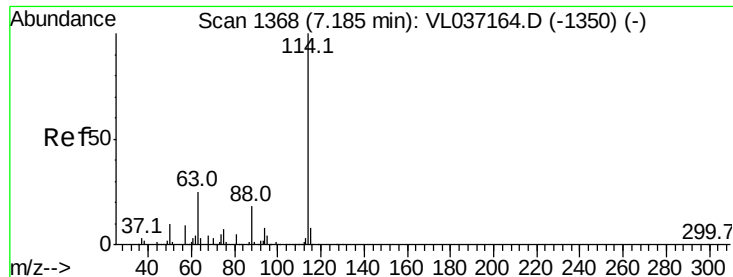
Ion Ratio Lower Upper

84 100

56 0.0 107.7 161.5#

41 132.9 69.0 103.6#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 min Scan# 1362

Delta R.T. -0.02 min

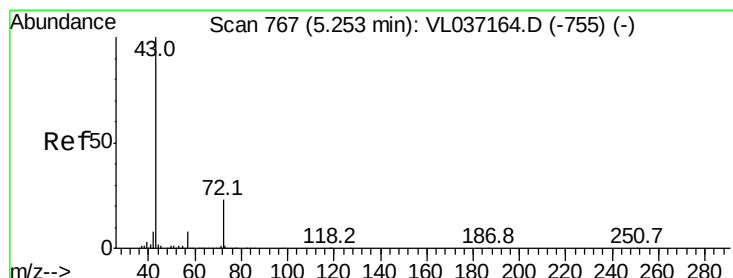
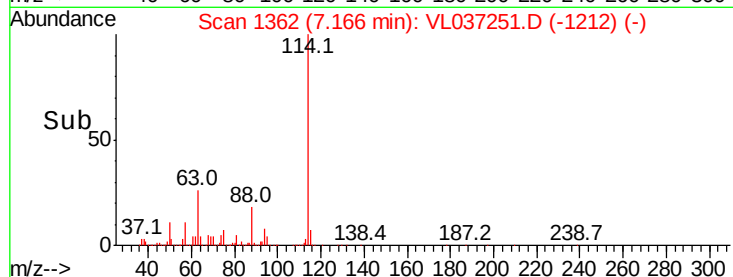
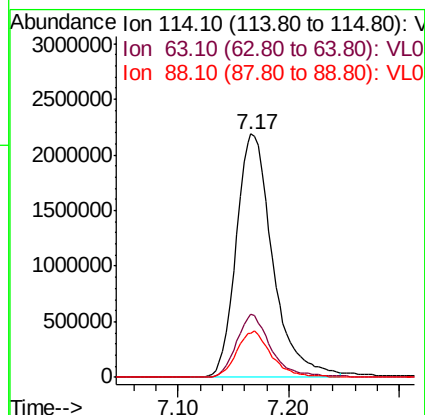
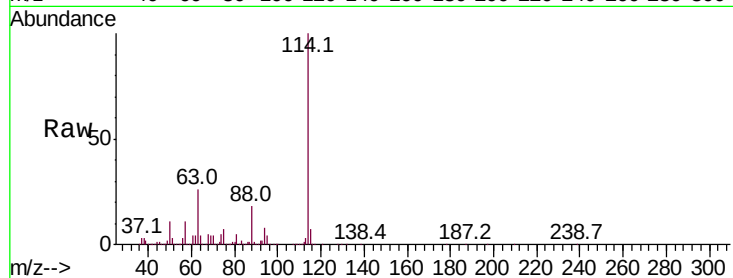
Lab File: VL037251.D

Acq: 29 Jun 2021 16:22

Instrument :
MSVOA_L
ClientSampled :

Tot Ion:114 Resp: 5018844

Ion	Ratio	Lower	Upper
114	100		
63	24.7	19.6	29.4
88	18.5	14.2	21.2



#34

2-Butanone

Concen: 1.132 ppbv

RT: 5.25 min Scan# 765

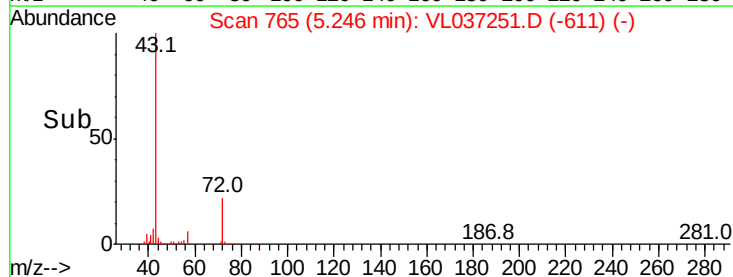
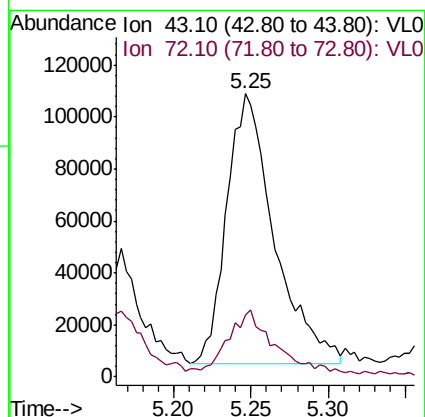
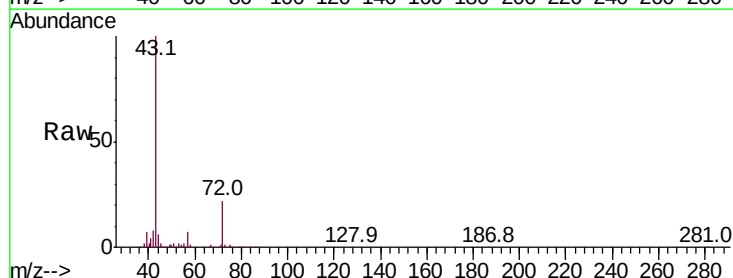
Delta R.T. -0.01 min

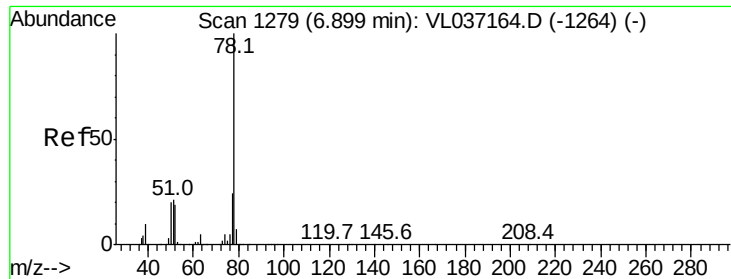
Lab File: VL037251.D

Acq: 29 Jun 2021 16:22

Tgt Ion: 43 Resp: 220877

Ion	Ratio	Lower	Upper
43	100		
72	28.5	18.9	28.3





#36

Benzene

Concen: 0.258 ppbv

RT: 6.88 min Scan# 1273

Delta R.T. -0.02 min

Lab File: VL037251.D

Acq: 29 Jun 2021 16:22

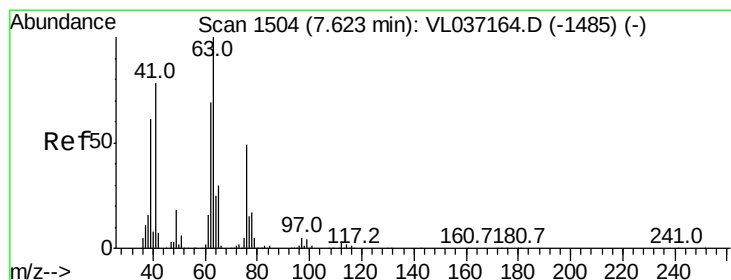
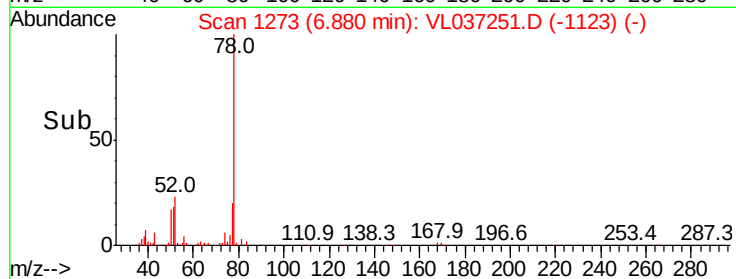
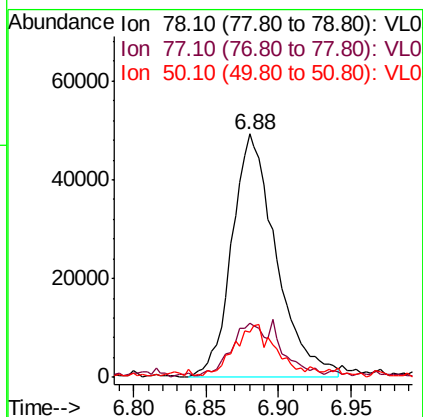
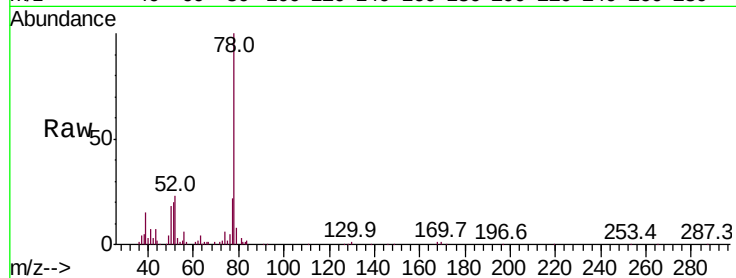
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 78 Resp: 104548

Ion	Ratio	Lower	Upper
78	100		
77	20.5	19.0	28.6
50	15.3	15.7	23.5#



#39

1,2-Dichloropropane

Concen: 8.038 ppbv

RT: 7.17 min Scan# 1362

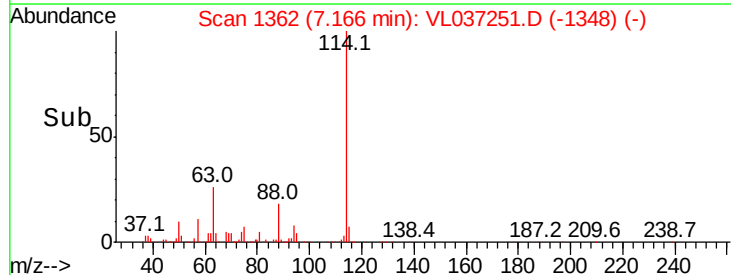
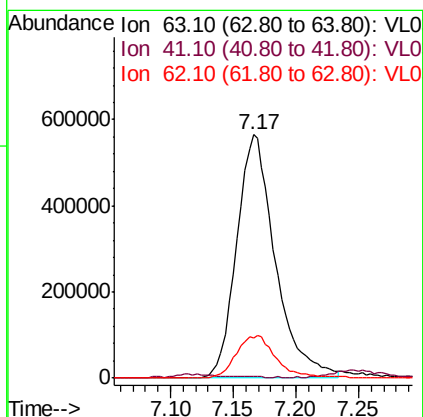
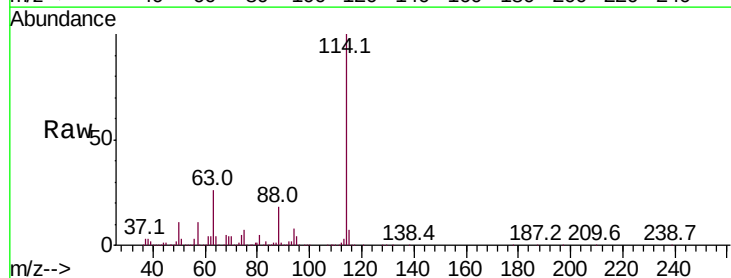
Delta R.T. -0.46 min

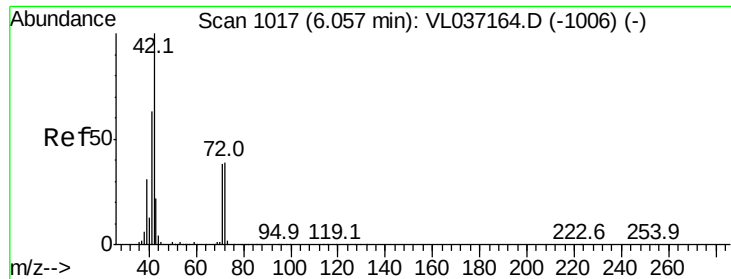
Lab File: VL037251.D

Acq: 29 Jun 2021 16:22

Tgt Ion: 63 Resp: 1212210

Ion	Ratio	Lower	Upper
63	100		
41	0.0	62.0	93.0#
62	16.6	54.9	82.3#





#41

Tetrahydrofuran

Concen: 0.044 ppbv

RT: 6.30 min Scan# 1094

Delta R.T. 0.25 min

Lab File: VL037251.D

Acq: 29 Jun 2021 16:22

Instrument :

MSVOA_L

ClientSampleId :

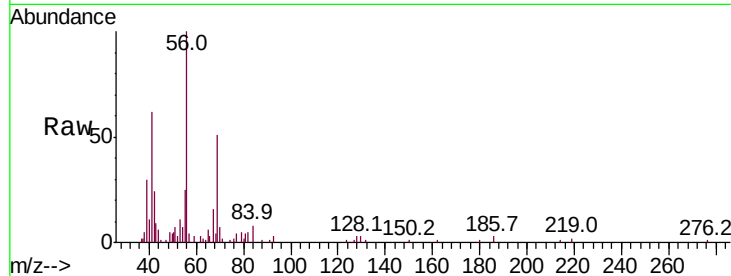
Tot Ion: 42 Resp: 3974

Ion Ratio Lower Upper

42 100

72 8.7 33.0 49.4#

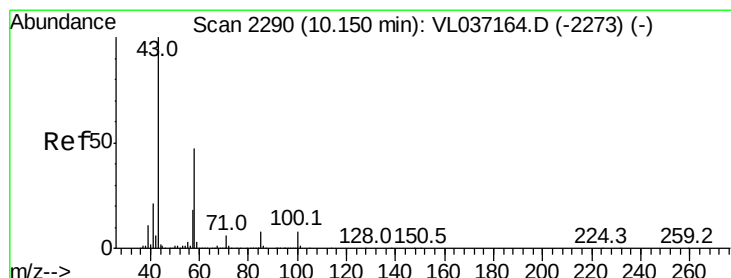
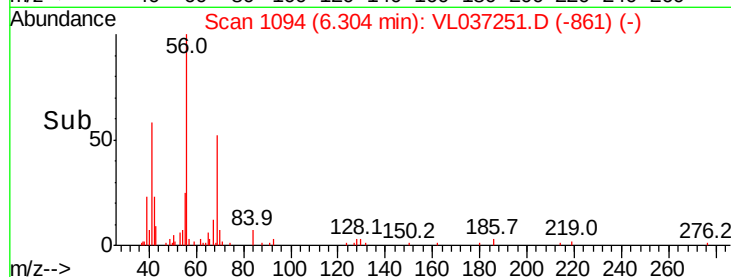
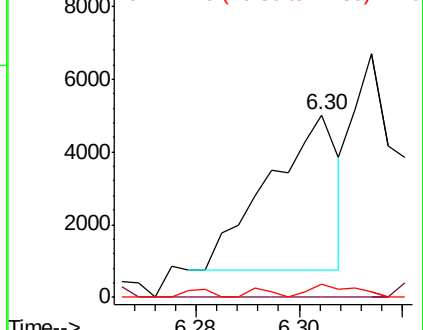
71 0.0 31.0 46.6#



Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0



#51

2-Hexanone

Concen: 0.108 ppbv

RT: 10.14 min Scan# 2288

Delta R.T. -0.01 min

Lab File: VL037251.D

Acq: 29 Jun 2021 16:22

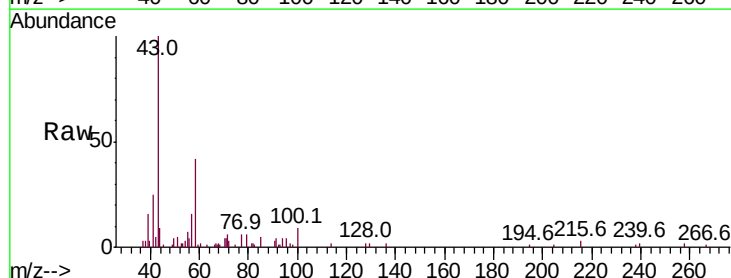
Tgt Ion: 43 Resp: 14103

Ion Ratio Lower Upper

43 100

58 0.0 38.4 57.6#

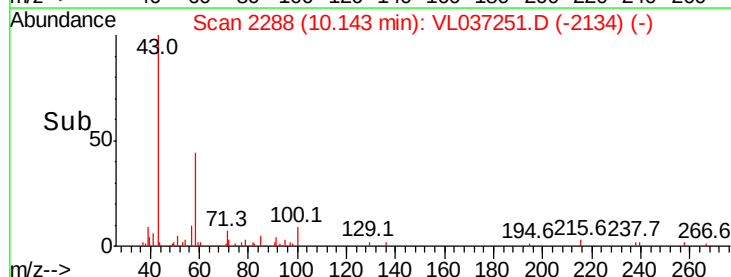
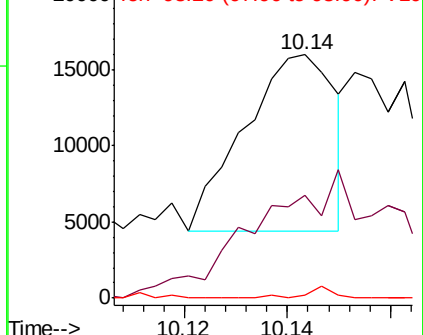
98 0.0 0.3 0.5#

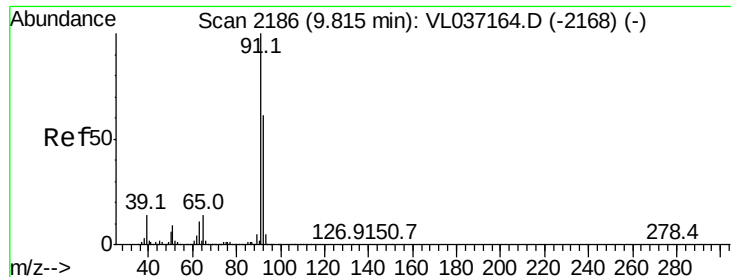


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 98.20 (97.90 to 98.90): VL0





#53

Toluene

Concen: 0.315 ppbv

RT: 9.80 min Scan# 2180

Delta R.T. -0.02 min

Lab File: VL037251.D

Acq: 29 Jun 2021 16:22

Instrument :

MSVOA_L

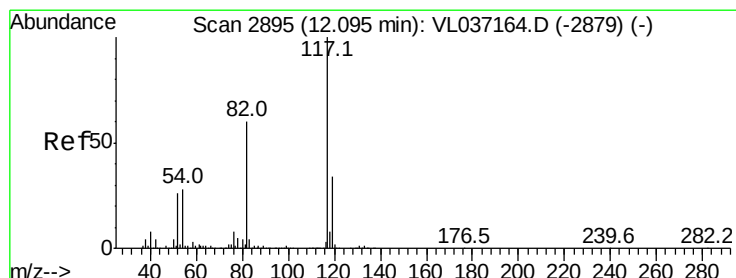
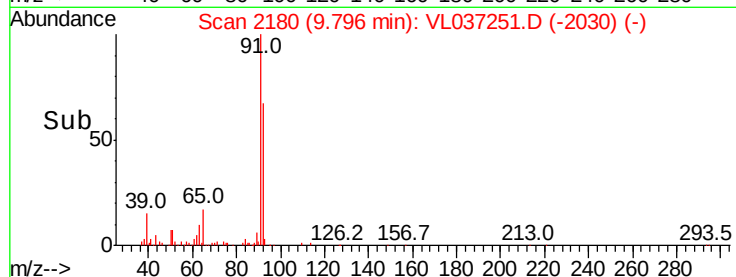
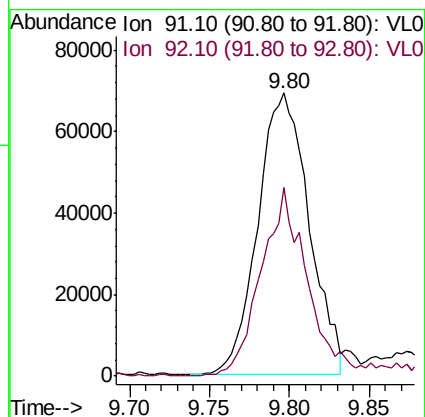
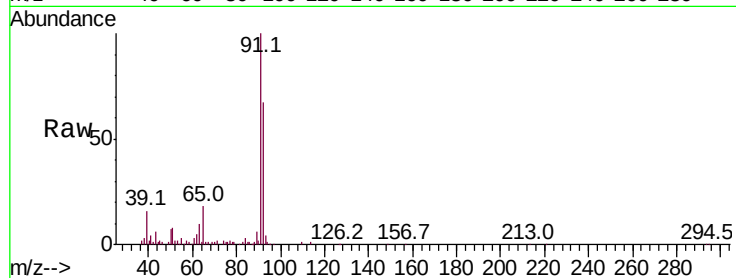
ClientSampleId :

Tot Ion: 91 Resp: 152941

Ion Ratio Lower Upper

91 100

92 61.2 48.3 72.5



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.08 min Scan# 2889

Delta R.T. -0.02 min

Lab File: VL037251.D

Acq: 29 Jun 2021 16:22

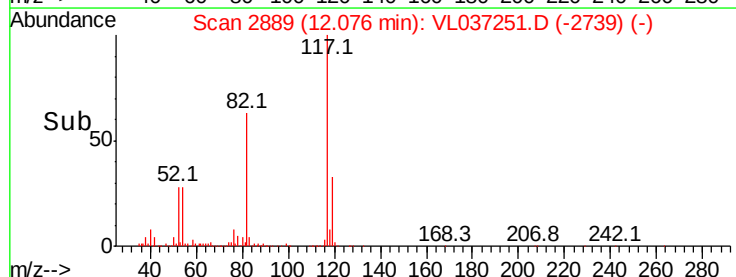
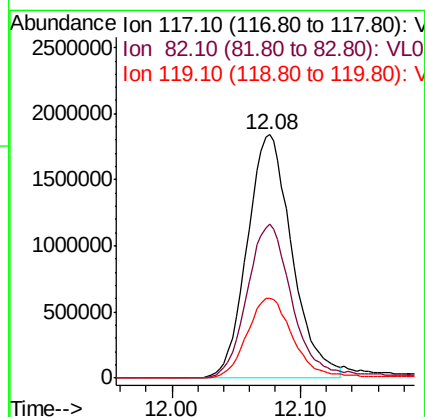
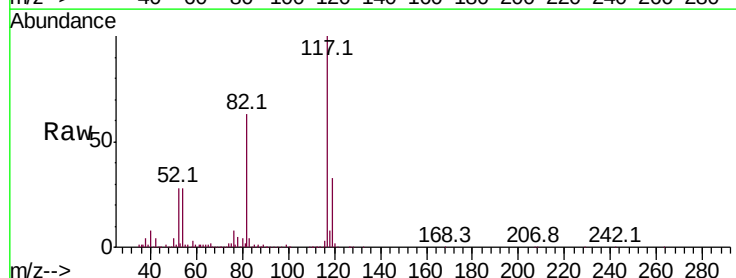
Tgt Ion: 117 Resp: 4450678

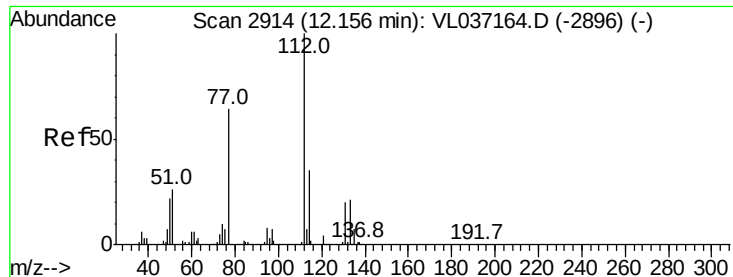
Ion Ratio Lower Upper

117 100

82 66.5 51.7 77.5

119 34.8 47.6 71.4#

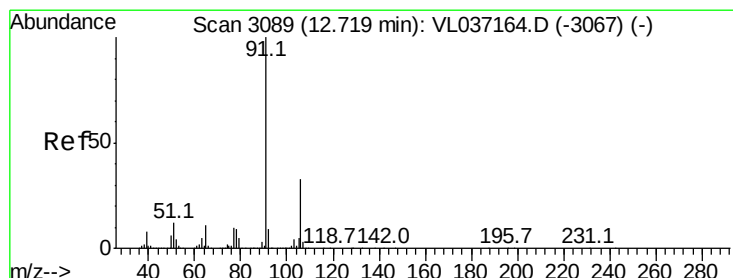
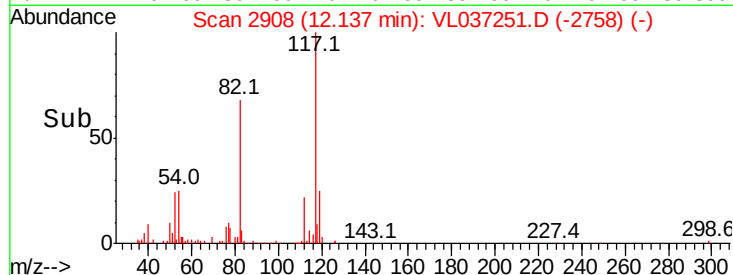
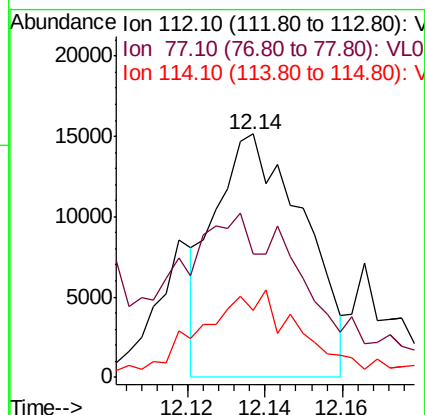
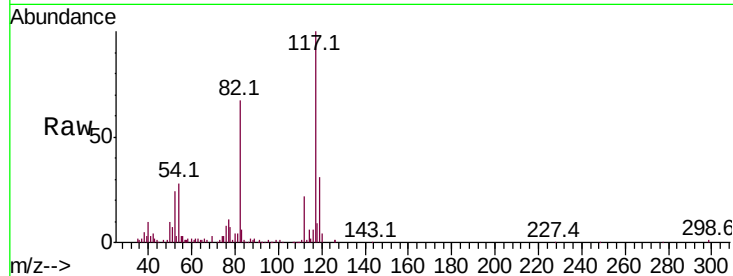




#57
Chlorobenzene
Concen: 0.067 ppbv
RT: 12.14 min Scan# 2908
Delta R.T. -0.02 min
Lab File: VL037251.D
Acq: 29 Jun 2021 16:22

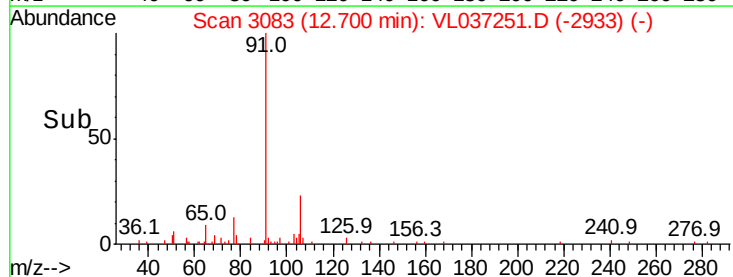
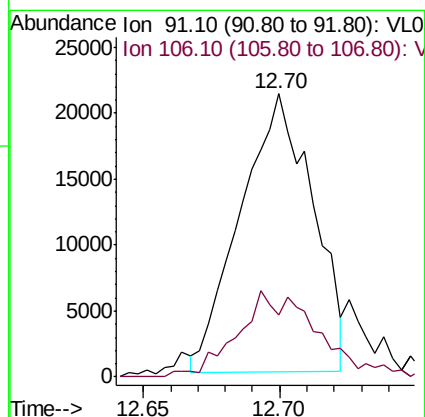
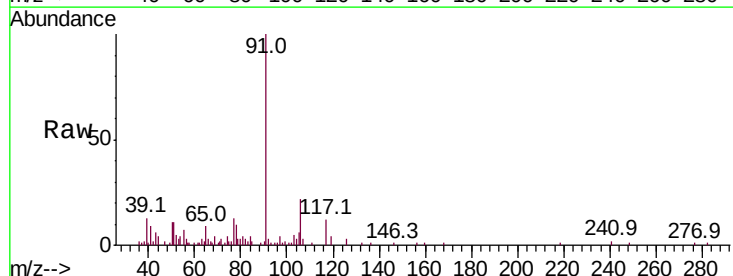
Instrument :
MSVOA_L
ClientSampleId :

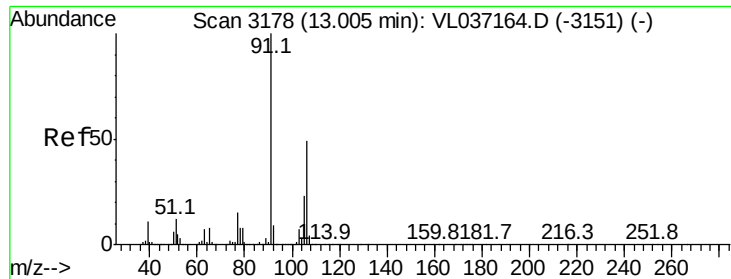
Tot Ion:112 Resp: 24362
Ion Ratio Lower Upper
112 100
77 43.3 52.2 78.4#
114 24.4 31.1 38.1#



#58
Ethyl Benzene
Concen: 0.063 ppbv
RT: 12.70 min Scan# 3083
Delta R.T. -0.02 min
Lab File: VL037251.D
Acq: 29 Jun 2021 16:22

Tgt Ion: 91 Resp: 38880
Ion Ratio Lower Upper
91 100
106 21.2 26.3 39.5#

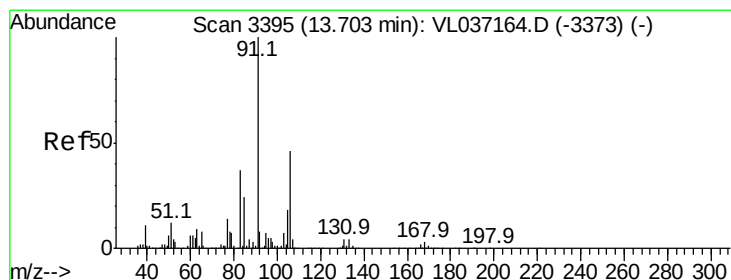
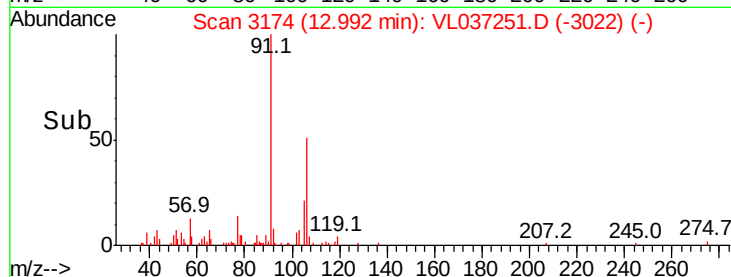
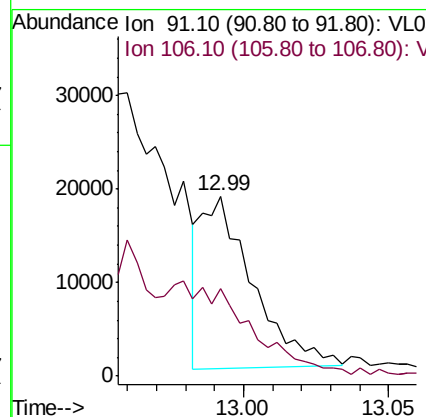
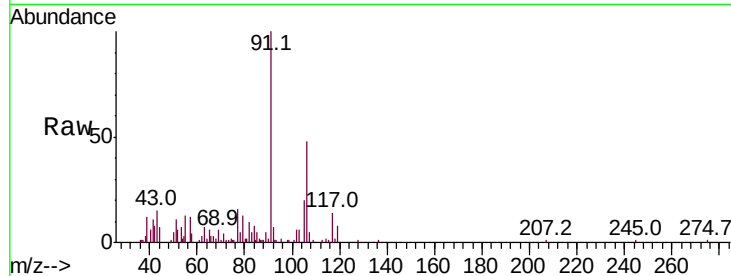




#59
m/p-Xylene
Concen: 0.044 ppbv
RT: 12.99 min Scan# 3174
Delta R.T. -0.01 min
Lab File: VL037251.D
Acq: 29 Jun 2021 16:22

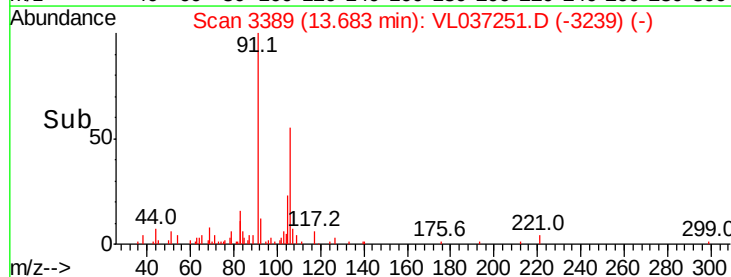
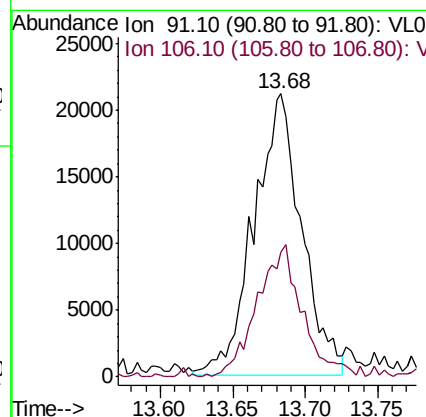
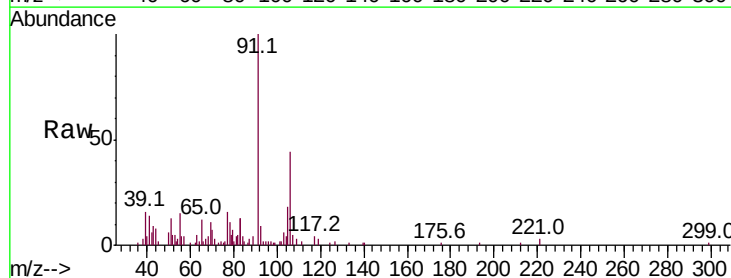
Instrument :
MSVOA_L
ClientSampleId :

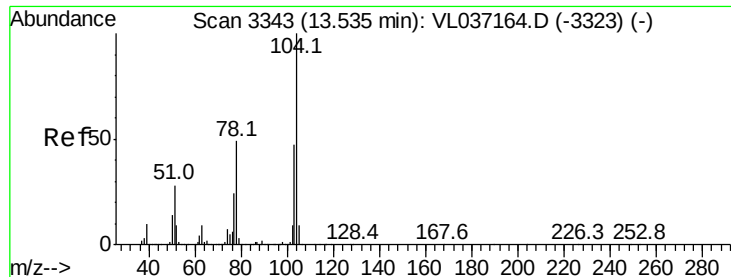
Tot Ion: 91 Resp: 22806
Ion Ratio Lower Upper
91 100
106 0.0 37.0 55.4#



#60
o-Xylene
Concen: 0.097 ppbv
RT: 13.68 min Scan# 3389
Delta R.T. -0.02 min
Lab File: VL037251.D
Acq: 29 Jun 2021 16:22

Tgt Ion: 91 Resp: 48168
Ion Ratio Lower Upper
91 100
106 45.6 23.0 69.0





#61

Stvrene

Concen: 0.032 ppbv

RT: 13.52 min Scan# 3337

Delta R.T. -0.02 min

Lab File: VL037251.D

Acq: 29 Jun 2021 16:22

Instrument :

MSVOA_L

ClientSampleId :

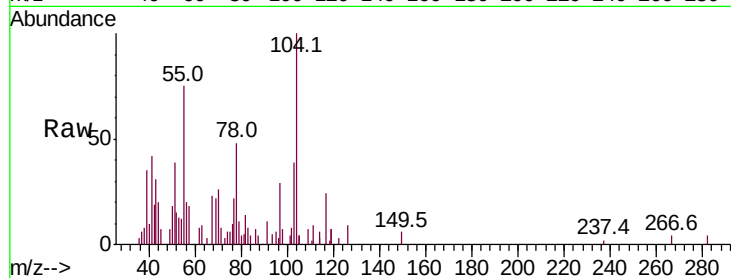
Tot Ion:104 Resp: 8130

Ion Ratio Lower Upper

104 100

78 0.0 39.7 59.5#

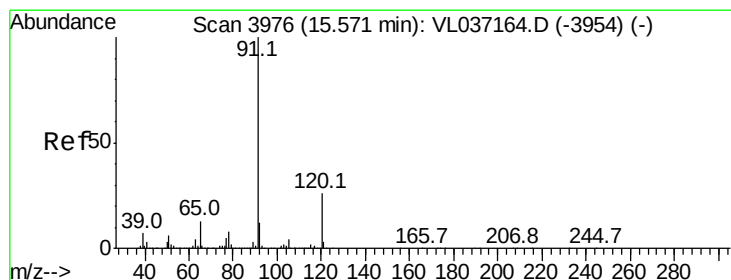
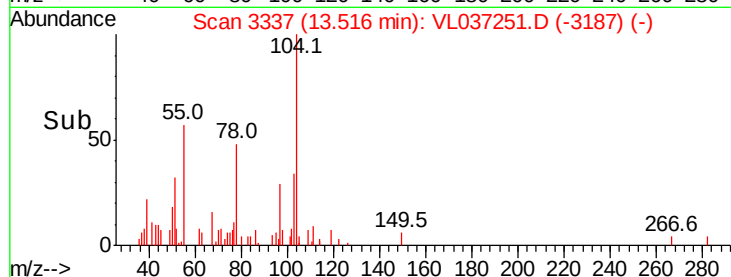
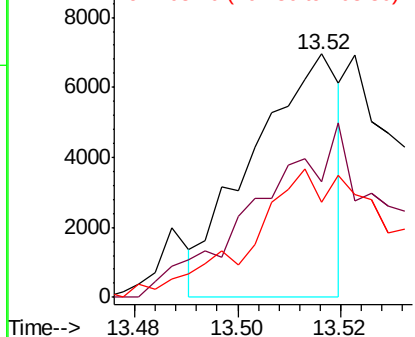
103 102.0 37.6 56.4#



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#64

n-propylbenzene

Concen: 0.040 ppbv

RT: 15.55 min Scan# 3968

Delta R.T. -0.03 min

Lab File: VL037251.D

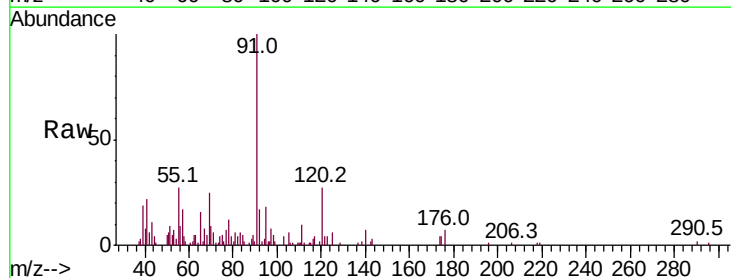
Acq: 29 Jun 2021 16:22

Tgt Ion:120 Resp: 6959

Ion Ratio Lower Upper

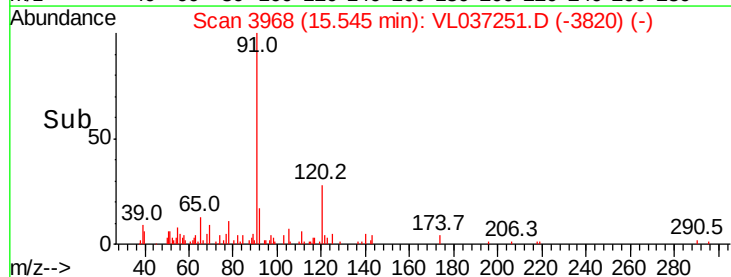
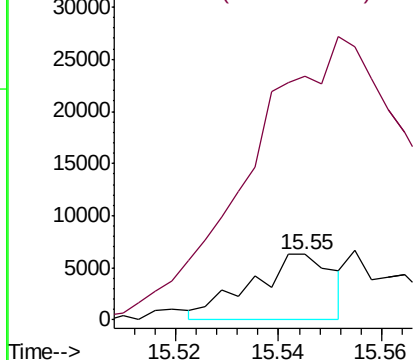
120 100

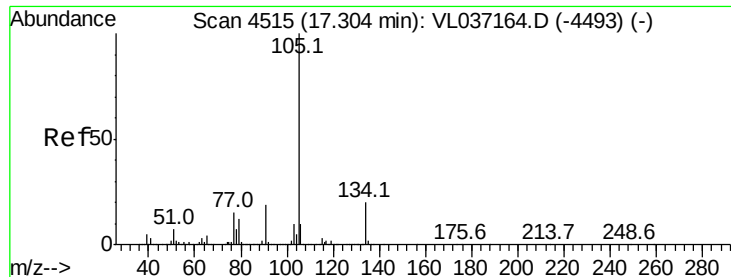
91 0.0 343.3 514.9#



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0





#67

sec-Butylbenzene

Concen: 0.062 ppbv

RT: 17.27 min Scan# 4506

Delta R.T. -0.03 min

Lab File: VL037251.D

Acq: 29 Jun 2021 16:22

Instrument :

MSVOA_L

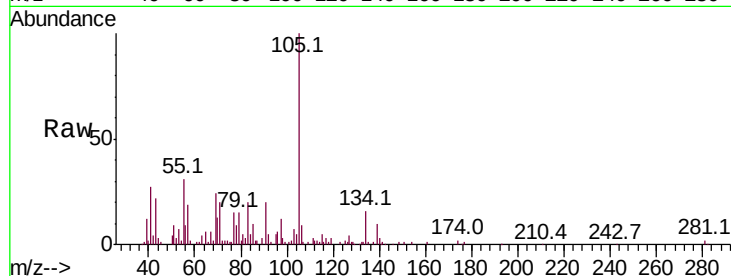
ClientSampled :

Tot Ion:105 Resp: 51812

Ion Ratio Lower Upper

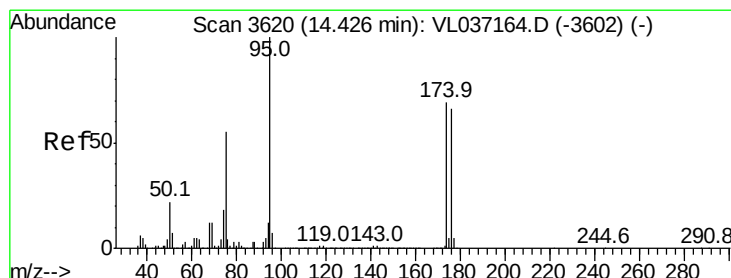
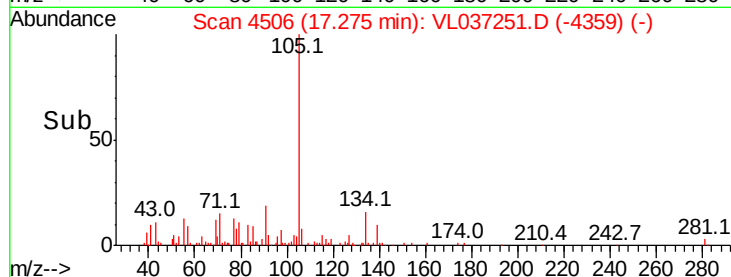
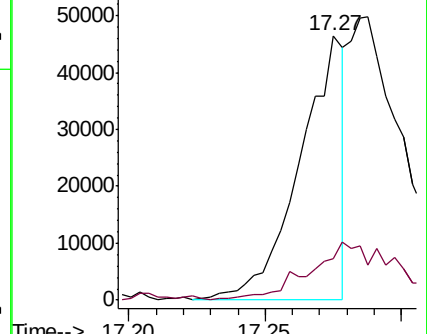
105 100

134 44.9 15.8 23.6#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.911 ppbv

RT: 14.40 min Scan# 3613

Delta R.T. -0.02 min

Lab File: VL037251.D

Acq: 29 Jun 2021 16:22

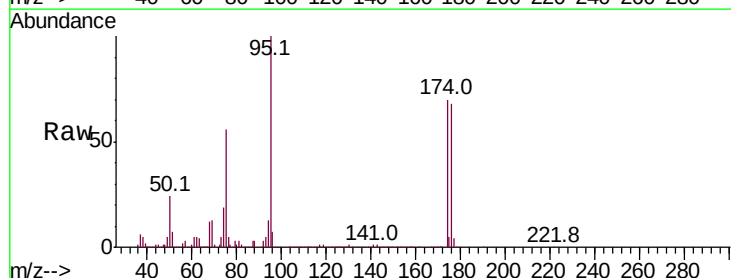
Tgt Ion: 95 Resp: 3342695

Ion Ratio Lower Upper

95 100

174 77.0 57.0 85.4

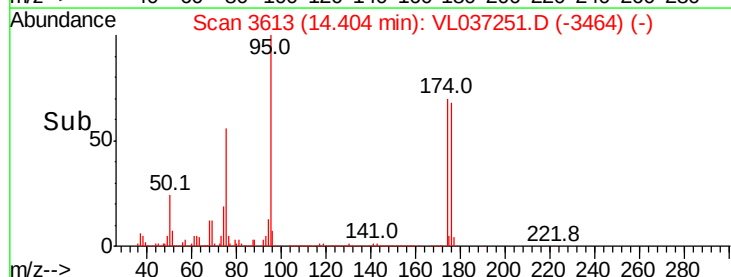
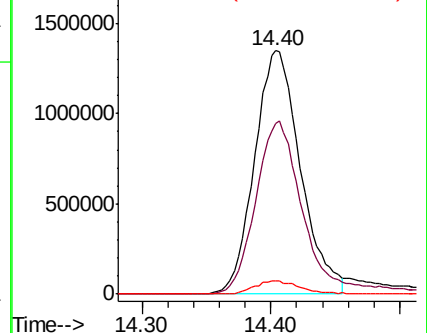
175 5.8 4.4 6.6

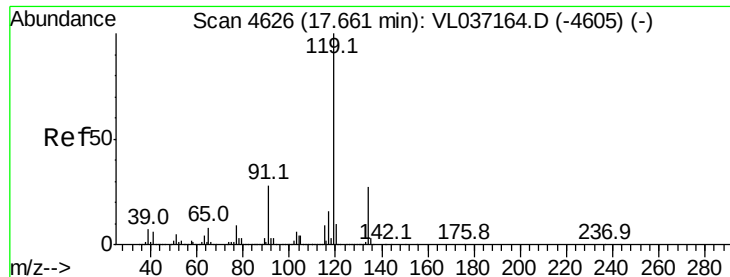


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

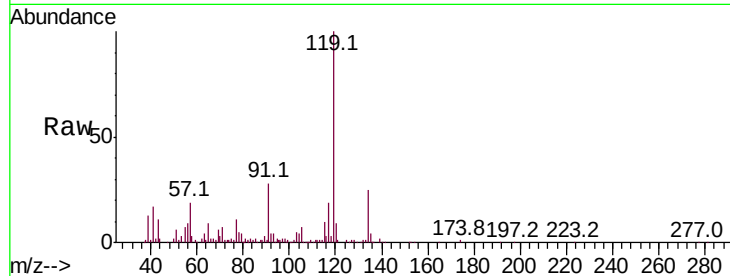




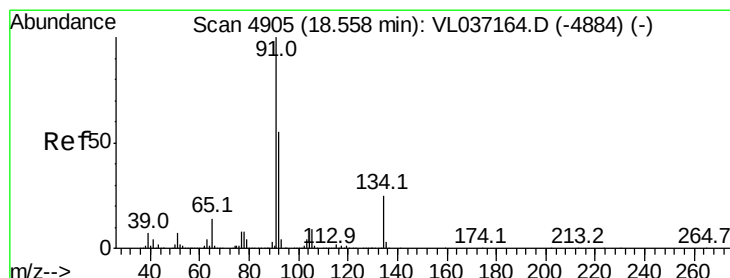
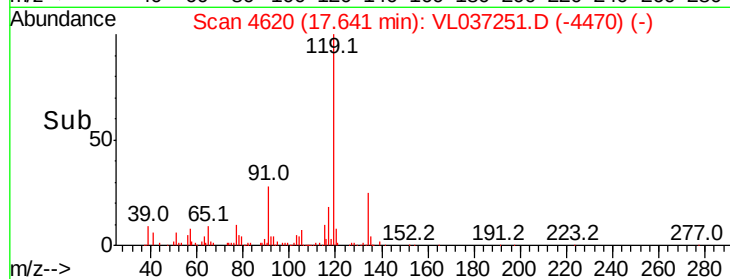
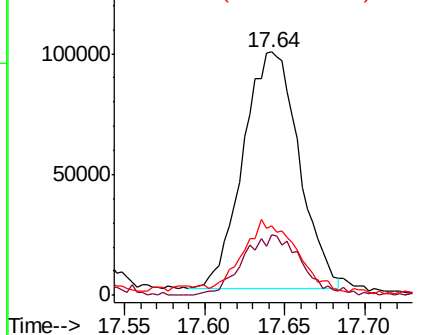
#69
 p-Isopropyltoluene
 Concen: 0.335 ppbv
 RT: 17.64 min Scan# 4620
 Delta R.T. -0.02 min
 Lab File: VL037251.D
 Acq: 29 Jun 2021 16:22

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
119	100		
134	27.5	20.9	31.3
91	34.6	22.6	34.0

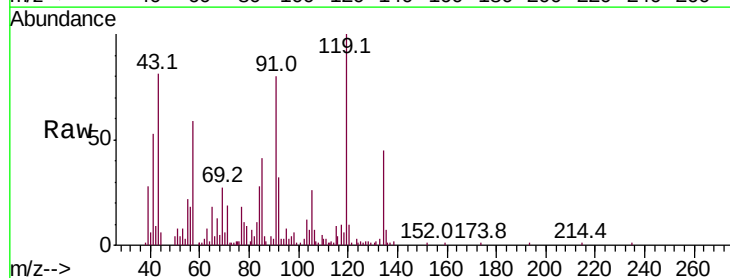


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

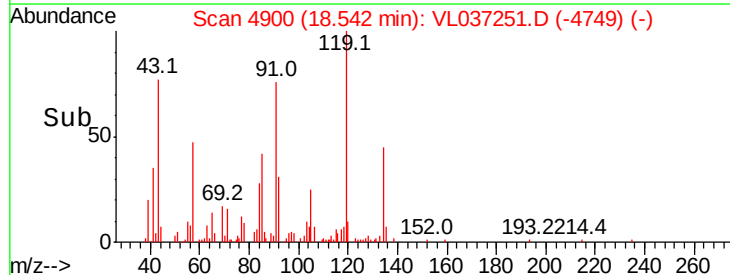
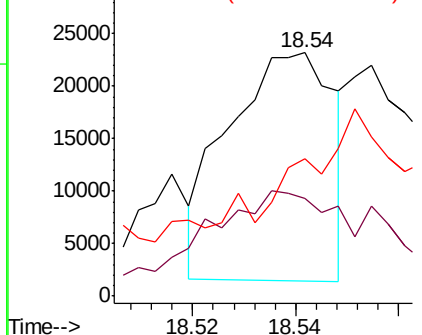


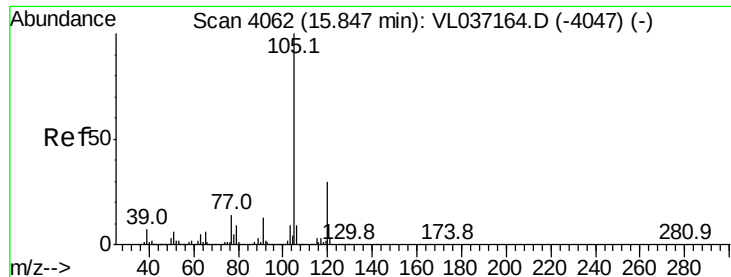
#70
 n-Butylbenzene
 Concen: 0.048 ppbv
 RT: 18.54 min Scan# 4900
 Delta R.T. -0.02 min
 Lab File: VL037251.D
 Acq: 29 Jun 2021 16:22

Tgt Ion	Ratio	Lower	Upper
91	100		
92	87.7	44.0	66.0
134	0.0	20.2	30.4



Abundance Ion 91.10 (90.80 to 91.80): V
 Ion 92.10 (91.80 to 92.80): V
 Ion 134.20 (133.90 to 134.90): V





#72

4-Ethyltoluene

Concen: 0.071 ppbv

RT: 15.82 min Scan# 4055

Delta R.T. -0.02 min

Lab File: VL037251.D

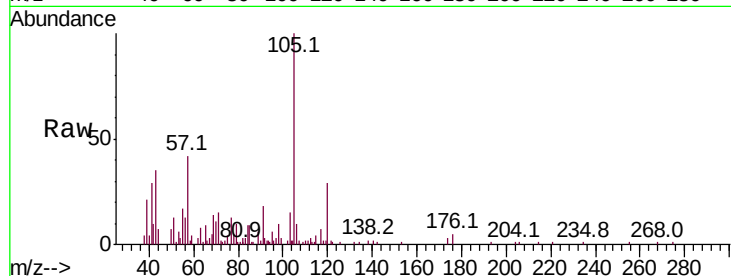
Acq: 29 Jun 2021 16:22

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:	105	Resp:	39891
Ion	Ratio	Lower	Upper
105	100		
120	49.8	24.7	37.1#
91	23.0	10.2	15.4#
77	32.2	11.0	16.6#

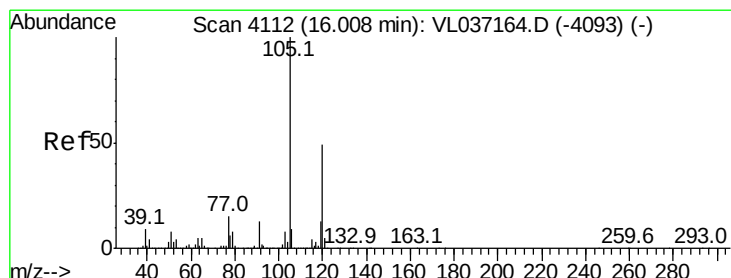
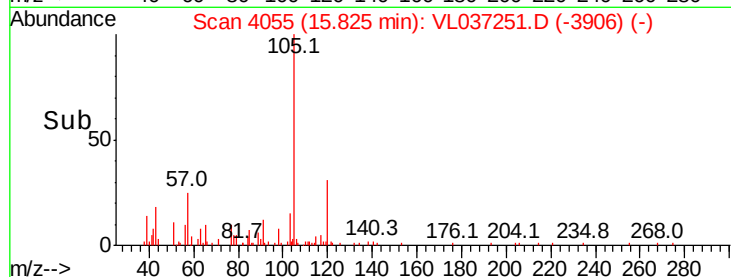
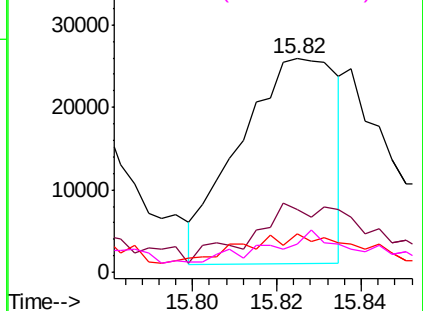


Abundance Ion 105.10 (104.80 to 105.80): V

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: 0.057 ppbv

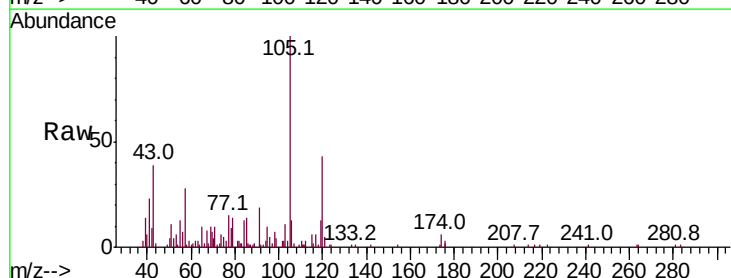
RT: 15.99 min Scan# 4105

Delta R.T. -0.02 min

Lab File: VL037251.D

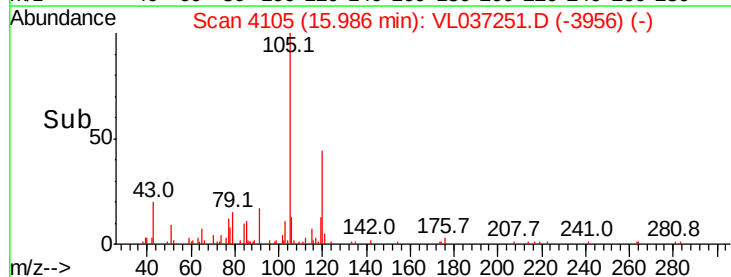
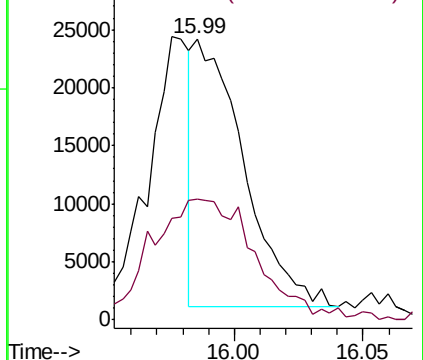
Acq: 29 Jun 2021 16:22

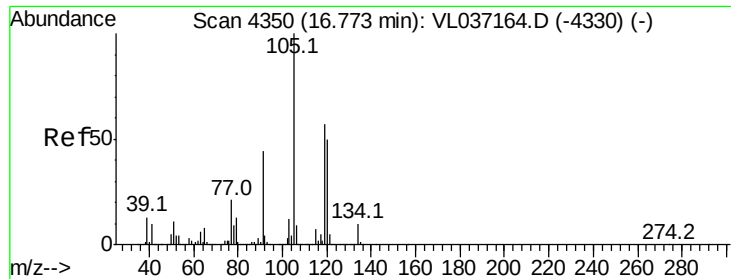
Tgt Ion:	105	Resp:	30824
Ion	Ratio	Lower	Upper
105	100		
120	45.6	39.4	59.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#74

1,2,4-Trimethylbenzene

Concen: 0.342 ppbv

RT: 16.75 min Scan# 4343

Delta R.T. -0.02 min

Lab File: VL037251.D

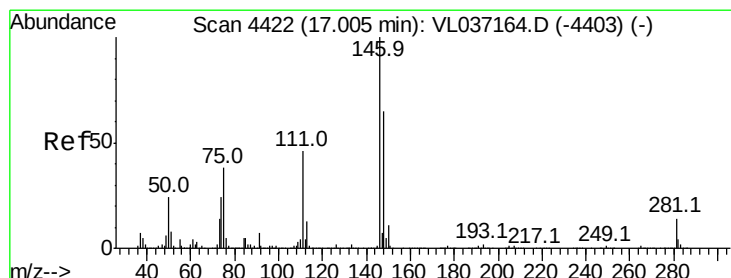
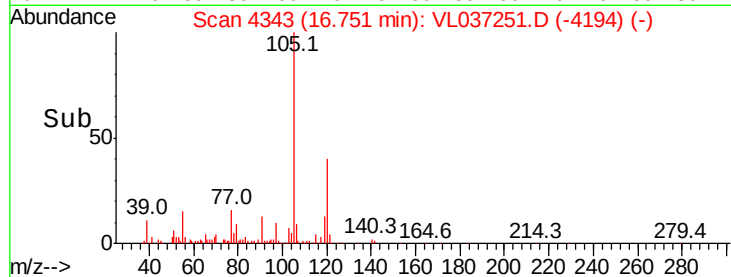
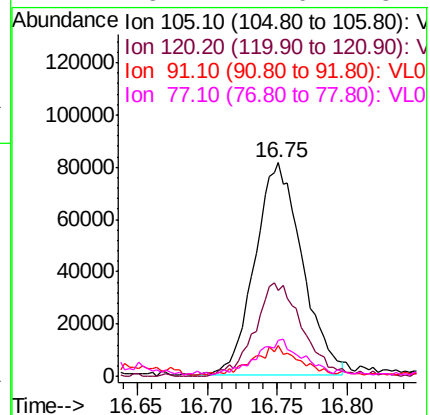
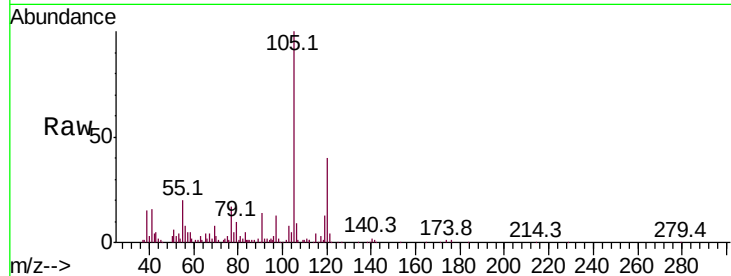
Acq: 29 Jun 2021 16:22

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:105	Resp:	191543
Ion Ratio	Lower	Upper
105	100	
120	40.5	39.8 59.8
91	14.1	37.0 55.4#
77	15.2	17.0 25.4#



#75

1,3-Dichlorobenzene

Concen: 0.033 ppbv

RT: 16.98 min Scan# 4413

Delta R.T. -0.03 min

Lab File: VL037251.D

Acq: 29 Jun 2021 16:22

Tgt Ion:146	Resp:	11178
Ion Ratio	Lower	Upper
146	100	
111	298.2	22.2 66.6#
148	182.1	32.4 97.2#

