

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091420\
 Data File : VL035603.D
 Acq On : 14 Sep 2020 17:52
 Operator : SY/AP
 Sample : L3983-02 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-7

Quant Time: Sep 15 06:41:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Sep 14 15:19:50 2020
 QLast Update : Mon Sep 14 15:19:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1072168	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	4508968	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	4563458	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	3486006	10.76	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.60%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.04	85	11213	0.060	ppbv 94
3) Chlorodifluoromethane	2.98	51	6982	0.059	ppbv 95
4) Chloromethane	3.13	50	2086	0.033	ppbv 98
9) Propene	3.00	41	43003	0.941	ppbv 94
10) Heptane	8.12	43	46469	0.378	ppbv 99
11) Trichlorofluoromethane	3.94	101	18355	0.068	ppbv 86
13) Ethanol	3.60	45	37557	3.313	ppbv 96
15) Acetone	3.84	43	6365710	53.833	ppbv # 82
16) 1,3-Butadiene	3.30	39	288209	6.547	ppbv # 3
17) tert-Butyl alcohol	4.29	59	91334	0.635	ppbv 98
19) Isopropyl Alcohol	3.96	45	35357	0.501	ppbv # 93
20) Methylene Chloride	4.34	84	72417	0.822	ppbv 97
23) Vinyl Acetate	5.06	43	44276	0.292	ppbv # 83
25) Ethyl Acetate	5.68	43	38723	0.185	ppbv # 82
26) Hexane	5.68	57	61419	0.519	ppbv # 39
27) Carbon Disulfide	4.54	76	12534	0.074	ppbv # 68
29) Chloroform	5.75	83	29875	0.124	ppbv 99
30) Cyclohexane	7.13	84	8002	0.063	ppbv # 18
31) cis-1,2-Dichloroethene	5.55	61	31454	0.259	ppbv 98
34) 2-Butanone	5.24	43	777333	5.809	ppbv 99
36) Benzene	6.89	78	81492	0.279	ppbv # 92
38) Trichloroethene	7.83	130	796265	4.697	ppbv 98
39) 1,2-Dichloropropane	7.17	63	842121	8.541	ppbv # 32
44) 2,2,4-Trimethylpentane	7.87	57	13061	0.034	ppbv # 16
50) 4-Methyl-2-Pentanone	8.75	43	118186	0.610	ppbv 97
51) 2-Hexanone	10.14	43	253053	1.592	ppbv # 98
52) Tetrachloroethene	11.23	164	7768746	45.562	ppbv # 79
53) Toluene	9.81	91	834806	2.274	ppbv 97
58) Ethyl Benzene	12.72	91	255427	0.543	ppbv 93
59) m/p-Xylene	12.98	91	825697	2.100	ppbv 97
60) o-Xylene	13.70	91	288628	0.729	ppbv 96
63) 1,1,2,2-Tetrachloroethane	13.60	83	9719	0.032	ppbv 92
64) n-propylbenzene	15.57	120	29981	0.154	ppbv # 55
65) tert-Butylbenzene	16.78	119	21713	0.037	ppbv # 1
70) n-Butylbenzene	18.57	91	75992	0.114	ppbv # 81
71) 2-Chlorotoluene	15.33	91	23787	0.051	ppbv 65
72) 4-Ethyltoluene	15.85	105	148795	0.296	ppbv # 94
73) 1,3,5-Trimethylbenzene	16.01	105	81687	0.175	ppbv 87
74) 1,2,4-Trimethylbenzene	16.78	105	348848	0.682	ppbv # 70
79) Naphthalene	22.23	128	19158	0.034	ppbv 95
80) Naphthalene,2-methyl-	24.99	142	10231	0.053	ppbv # 93

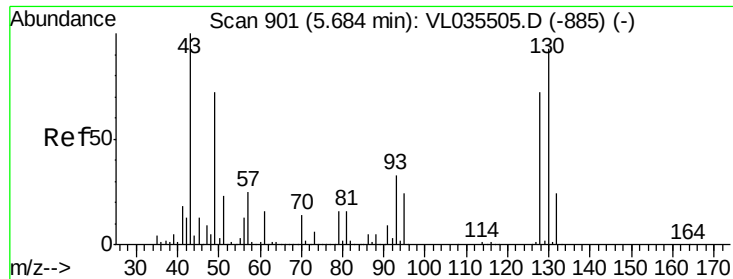
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL091420\
Data File : VL035603.D
Acq On : 14 Sep 2020 17:52
Operator : SY/AP
Sample : L3983-02 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SV-7

Quant Time: Sep 15 06:41:21 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Mon Sep 14 15:19:50 2020
QLast Update : Mon Sep 14 15:19:50 2020
Response via : Initial Calibration

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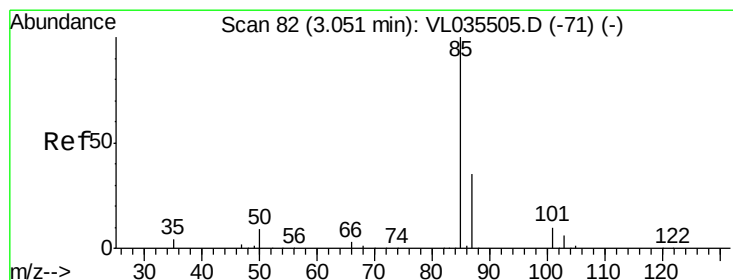
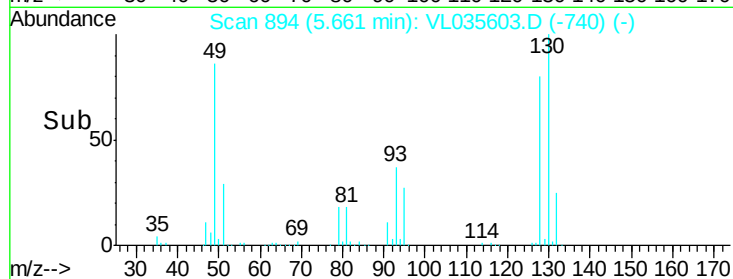
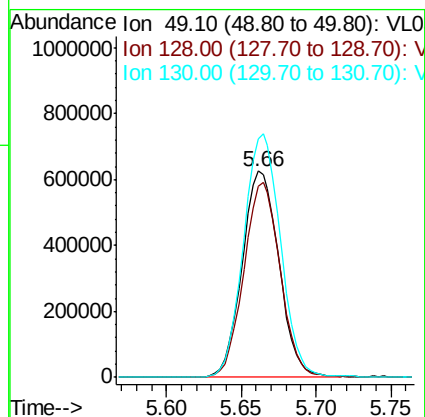
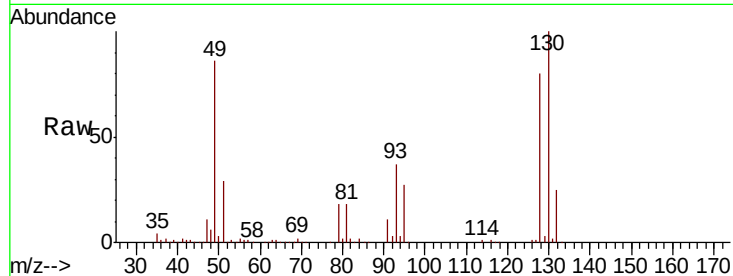
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.66 min Scan# 894
 Delta R.T. -0.00 min
 Lab File: VL035603.D
 Acq: 14 Sep 2020 17:52

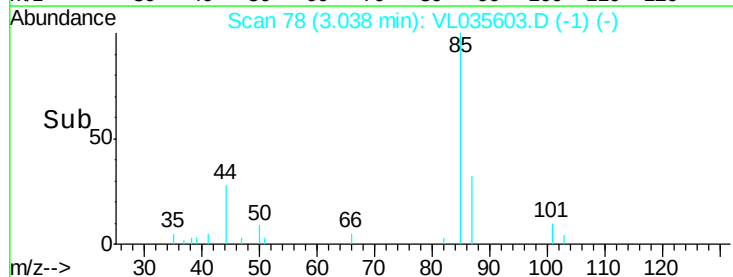
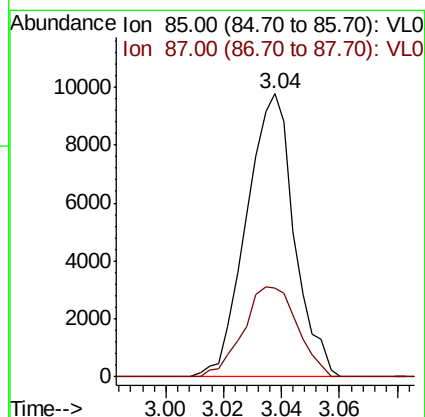
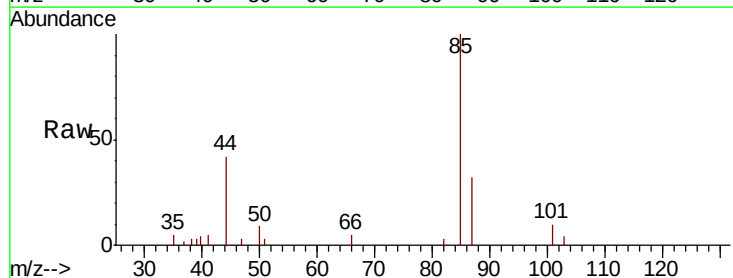
Instrument :
 MSVOA_L
 ClientSampleId :
 SV-7

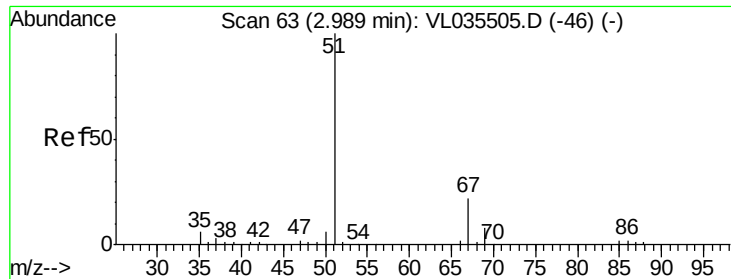
Tot Ion: 49 Resp: 1072168
 Ion Ratio Lower Upper
 49 100
 128 93.8 50.0 150.1
 130 119.6 64.4 193.2



#2
 Dichlorodifluoromethane
 Concen: 0.060 ppbv
 RT: 3.04 min Scan# 78
 Delta R.T. 0.00 min
 Lab File: VL035603.D
 Acq: 14 Sep 2020 17:52

Tgt Ion: 85 Resp: 11213
 Ion Ratio Lower Upper
 85 100
 87 31.6 28.0 42.0





#3

Chlorodifluoromethane

Concen: 0.059 ppbv

RT: 2.98 min Scan# 59

Delta R.T. 0.00 min

Lab File: VL035603.D

Acq: 14 Sep 2020 17:52

Instrument :

MSVOA_L

ClientSampleId :

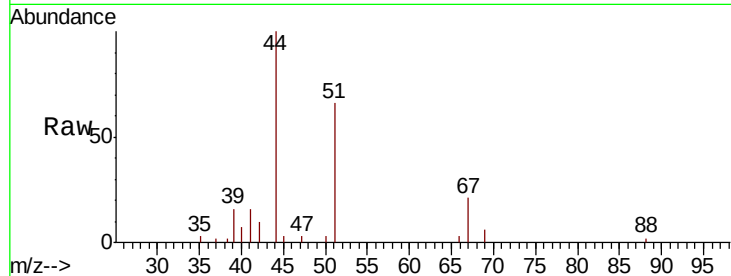
SV-7

Tot Ion: 51 Resp: 6982

Ion Ratio Lower Upper

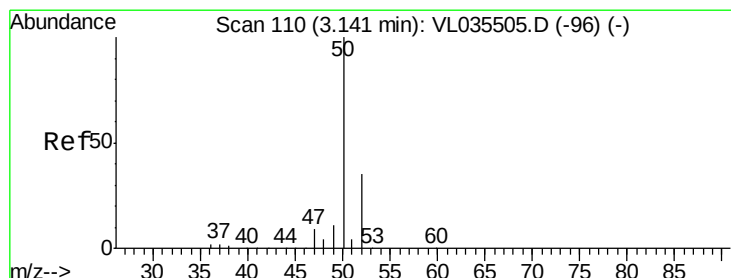
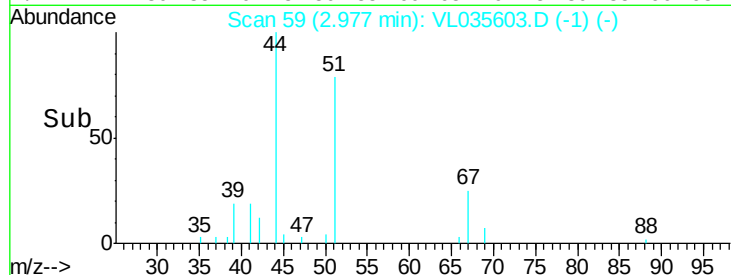
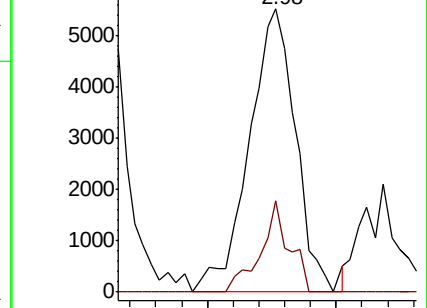
51 100

67 19.7 17.8 26.8



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.033 ppbv

RT: 3.13 min Scan# 106

Delta R.T. -0.00 min

Lab File: VL035603.D

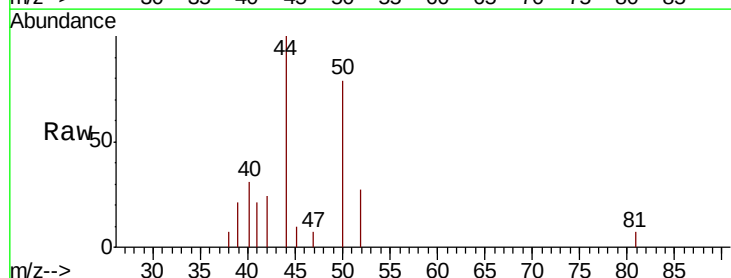
Acq: 14 Sep 2020 17:52

Tgt Ion: 50 Resp: 2086

Ion Ratio Lower Upper

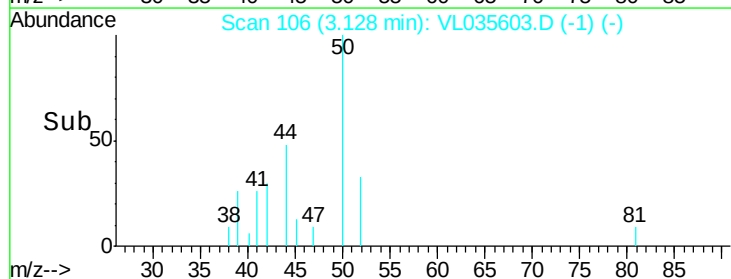
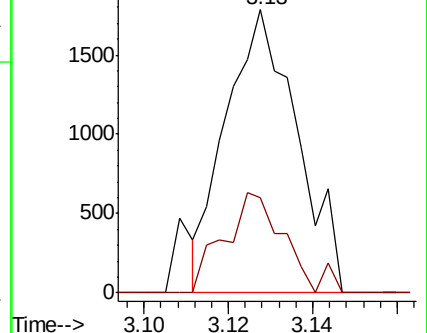
50 100

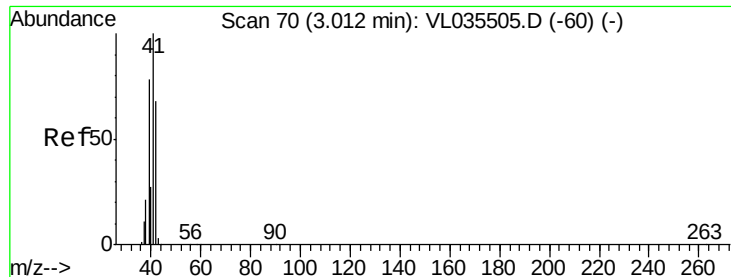
52 33.4 27.7 41.5



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#9

Propene

Concen: 0.941 ppbv

RT: 3.00 min Scan# 66

Delta R.T. 0.00 min

Lab File: VL035603.D

Acq: 14 Sep 2020 17:52

Instrument :

MSVOA_L

ClientSampleId :

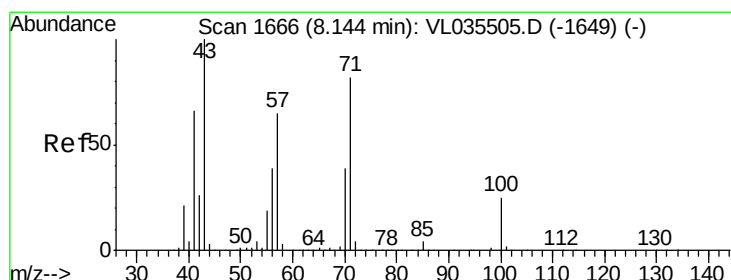
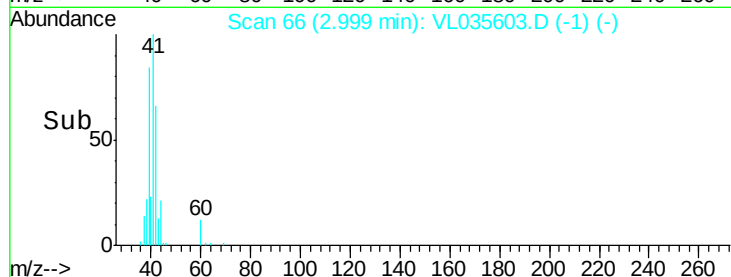
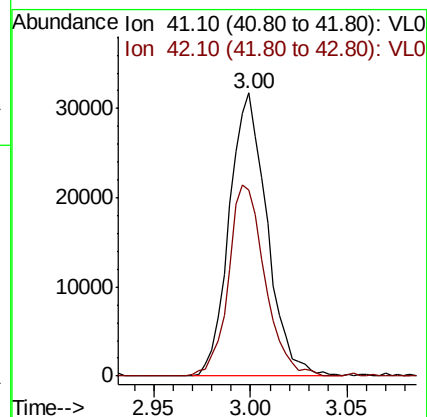
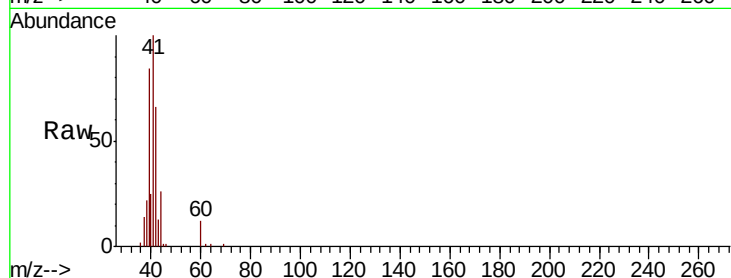
SV-7

Tot Ion: 41 Resp: 43003

Ion Ratio Lower Upper

41 100

42 65.4 56.3 84.5



#10

Heptane

Concen: 0.378 ppbv

RT: 8.12 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VL035603.D

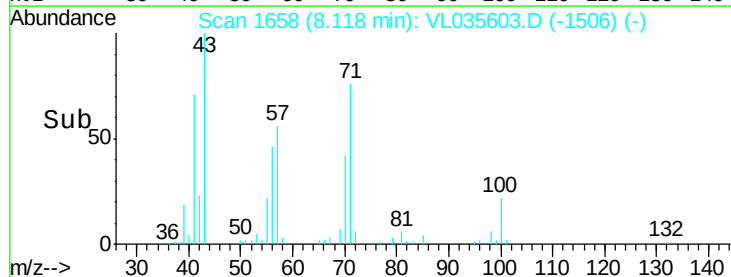
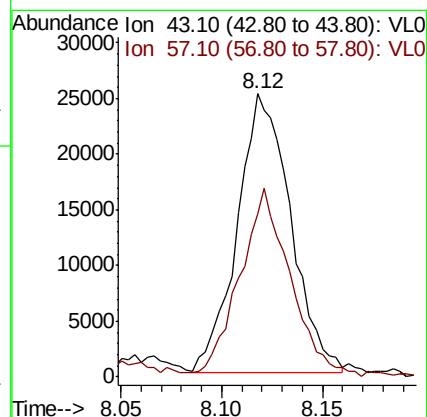
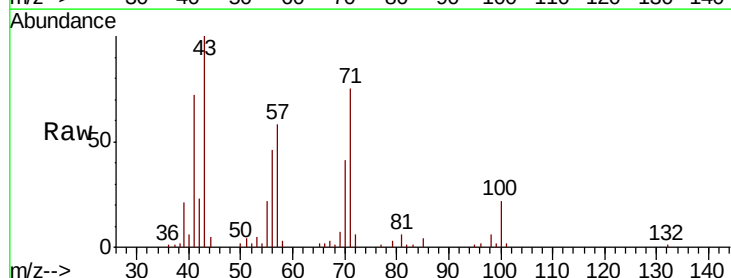
Acq: 14 Sep 2020 17:52

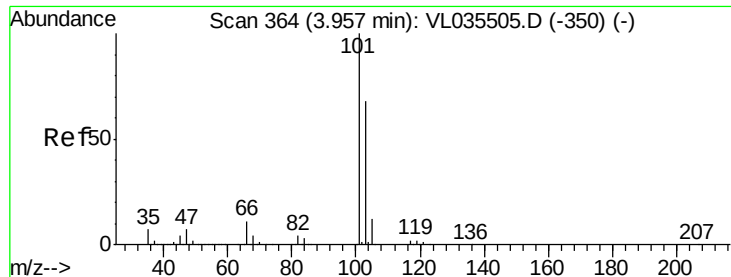
Tgt Ion: 43 Resp: 46469

Ion Ratio Lower Upper

43 100

57 65.2 51.4 77.0





#11

Trichlorofluoromethane

Concen: 0.068 ppbv

RT: 3.94 min Scan# 359

Delta R.T. -0.00 min

Lab File: VL035603.D

Acq: 14 Sep 2020 17:52

Instrument :

MSVOA_L

ClientSampleId :

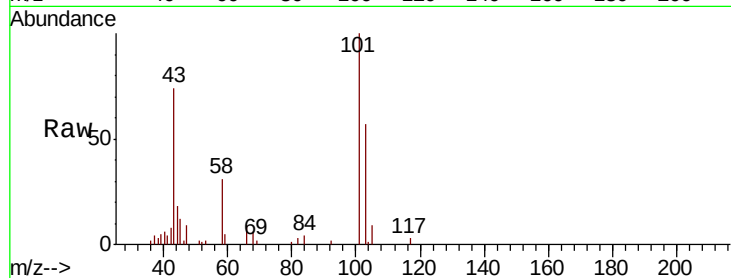
SV-7

Tot Ion:101 Resp: 18355

Ion Ratio Lower Upper

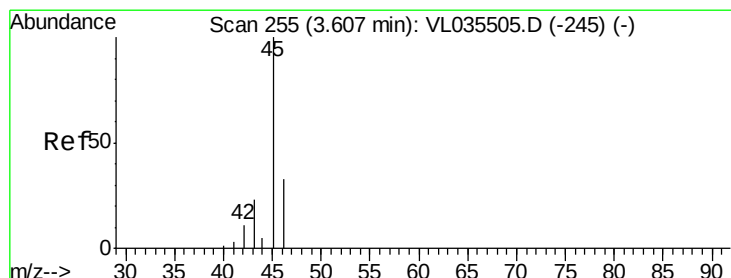
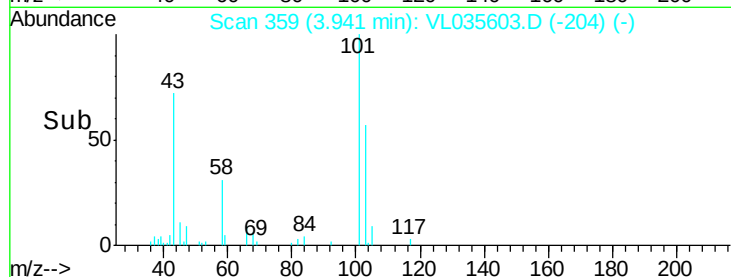
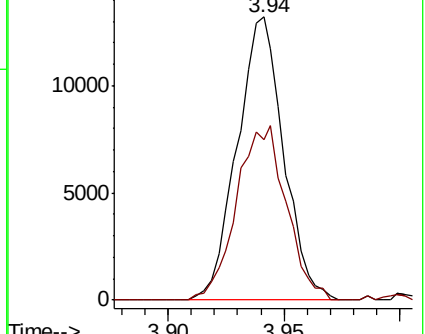
101 100

103 56.6 54.5 81.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#13

Ethanol

Concen: 3.313 ppbv

RT: 3.60 min Scan# 253

Delta R.T. 0.00 min

Lab File: VL035603.D

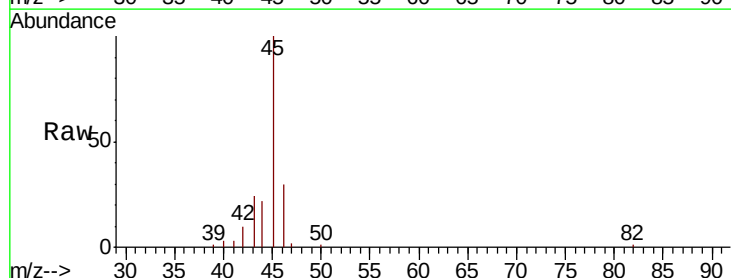
Acq: 14 Sep 2020 17:52

Tgt Ion: 45 Resp: 37557

Ion Ratio Lower Upper

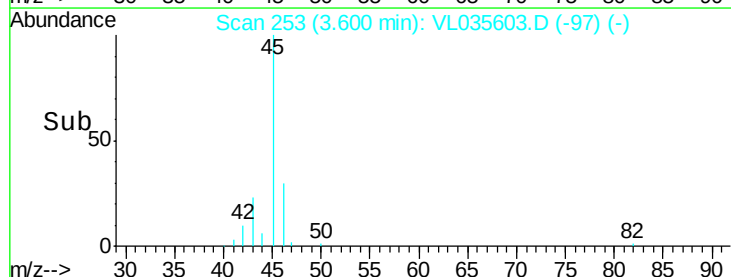
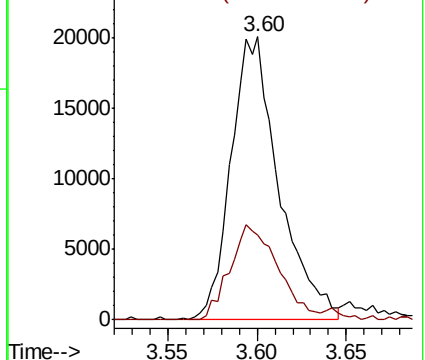
45 100

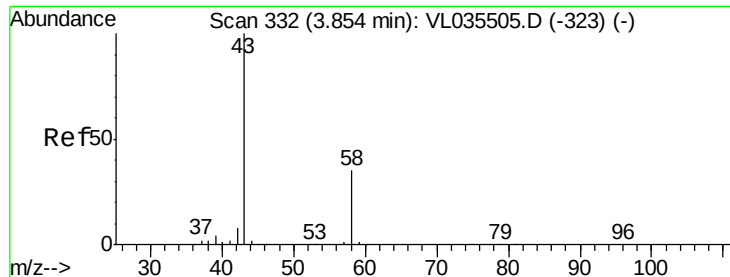
46 35.8 15.2 60.6



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 53.833 ppbv

RT: 3.84 min Scan# 326

Delta R.T. -0.00 min

Lab File: VL035603.D

Acq: 14 Sep 2020 17:52

Instrument :

MSVOA_L

ClientSampleId :

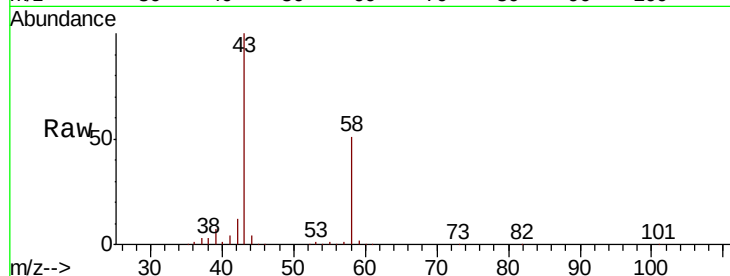
SV-7

Tot Ion: 43 Resp: 6365710

Ion Ratio Lower Upper

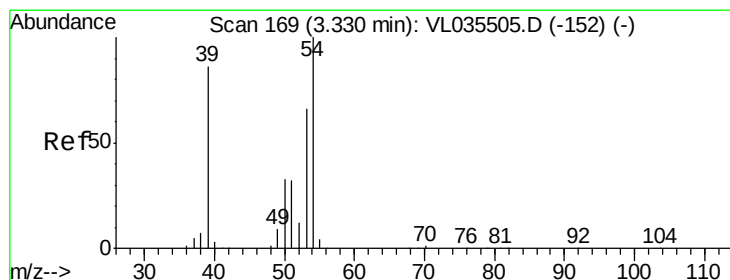
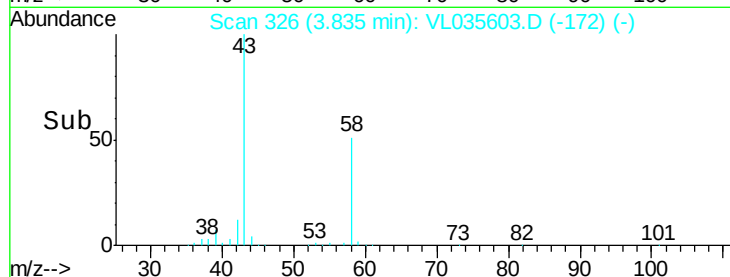
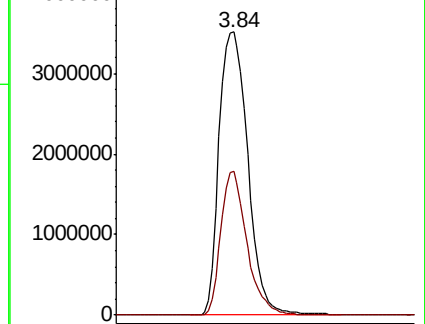
43 100

58 46.3 28.4 42.6#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 6.547 ppbv

RT: 3.30 min Scan# 159

Delta R.T. -0.02 min

Lab File: VL035603.D

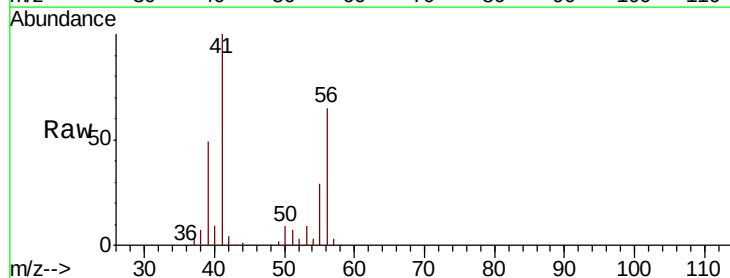
Acq: 14 Sep 2020 17:52

Tgt Ion: 39 Resp: 288209

Ion Ratio Lower Upper

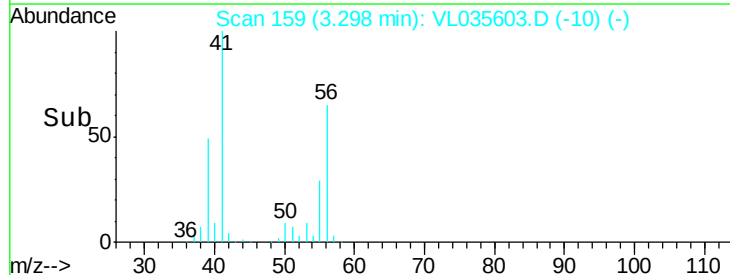
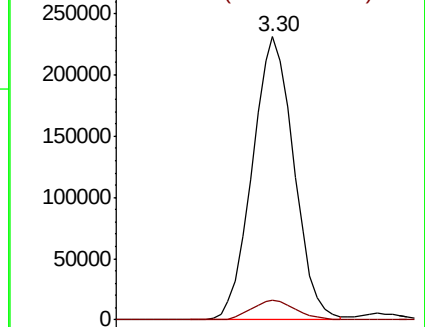
39 100

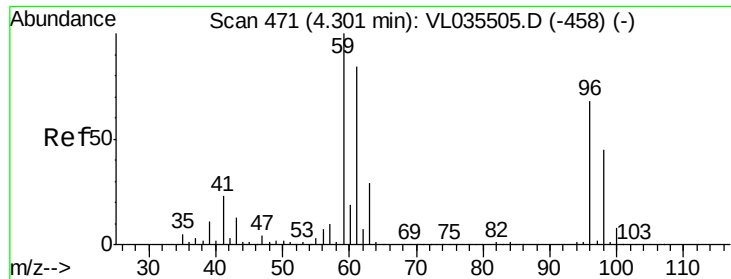
54 7.4 88.4 132.6#



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

tert-Butyl alcohol

Concen: 0.635 ppbv

RT: 4.29 min Scan# 467

Delta R.T. 0.01 min

Lab File: VL035603.D

Acq: 14 Sep 2020 17:52

Instrument :

MSVOA_L

ClientSampleId :

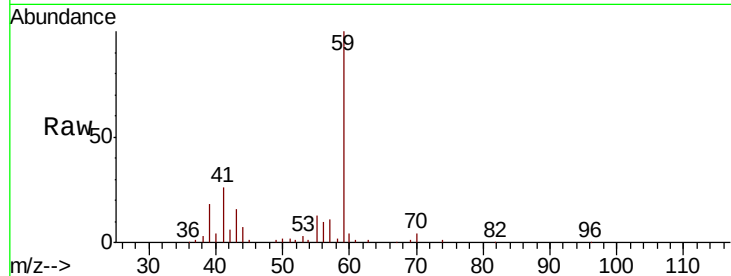
SV-7

Tot Ion: 59 Resp: 91334

Ion Ratio Lower Upper

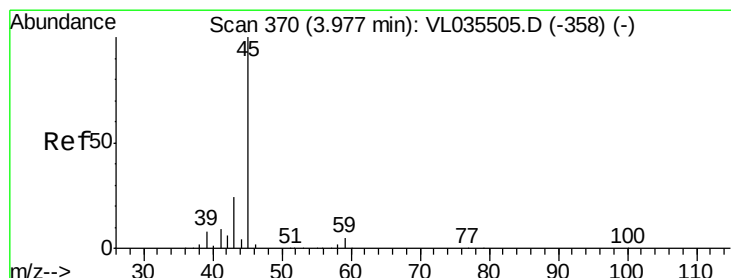
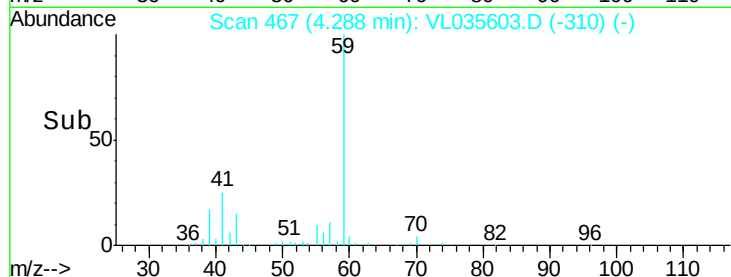
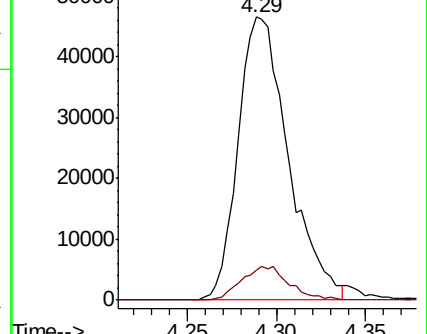
59 100

57 11.4 8.4 12.6



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#19

Isopropyl Alcohol

Concen: 0.501 ppbv

RT: 3.96 min Scan# 365

Delta R.T. 0.00 min

Lab File: VL035603.D

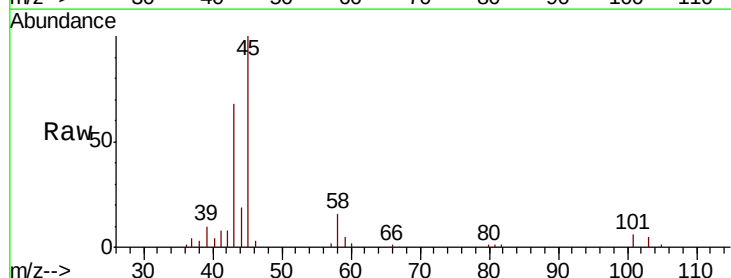
Acq: 14 Sep 2020 17:52

Tgt Ion: 45 Resp: 35357

Ion Ratio Lower Upper

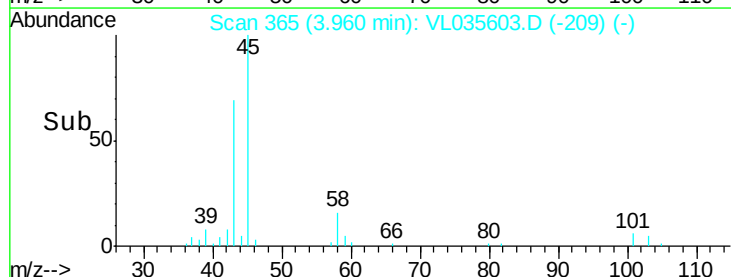
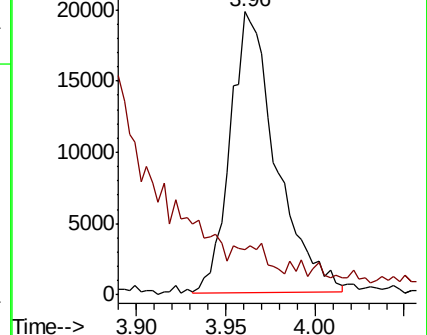
45 100

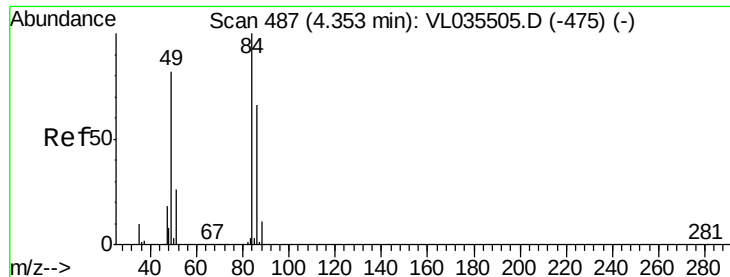
58 0.0 2.0 3.0#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

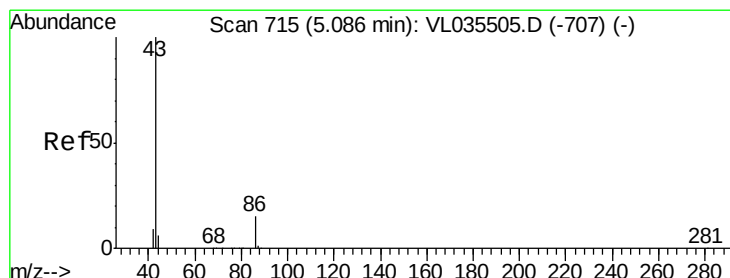
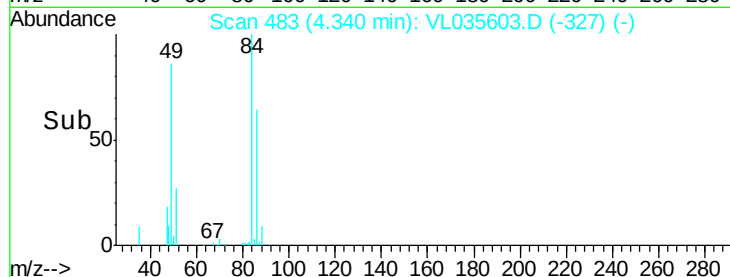
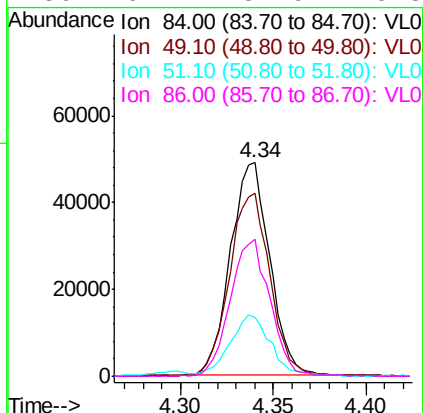
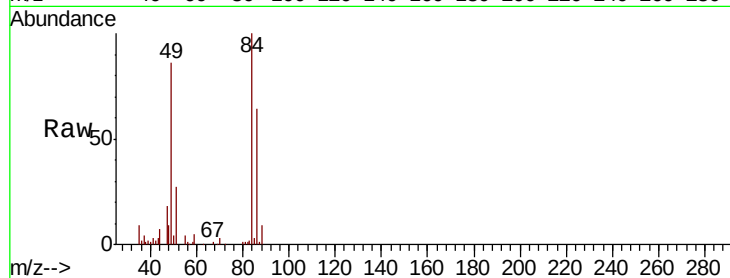




#20
Methvlene Chloride
Concen: 0.822 ppbv
RT: 4.34 min Scan# 483
Delta R.T. 0.00 min
Lab File: VL035603.D
Acq: 14 Sep 2020 17:52

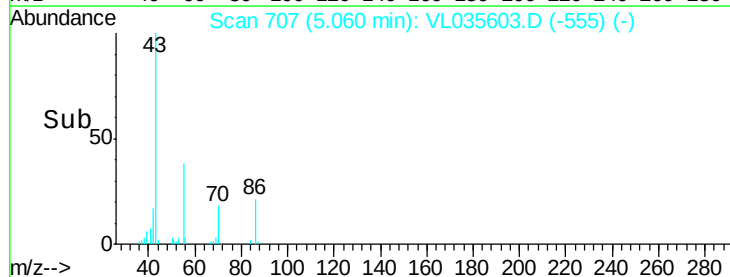
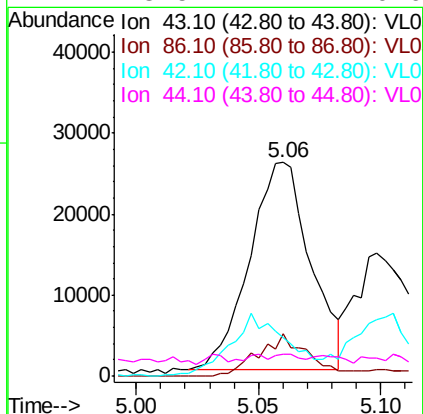
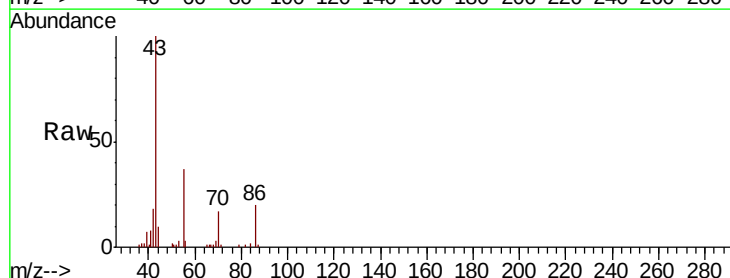
Instrument :
MSVOA_L
ClientSampleId :
SV-7

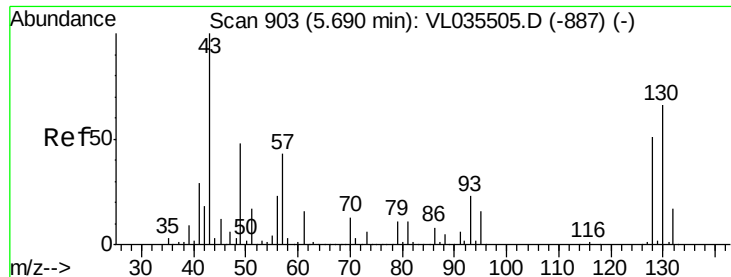
Tot Ion:	84	Resp:	72417
Ion	Ratio	Lower	Upper
84	100		
49	85.6	65.4	98.0
51	27.2	21.5	32.3
86	64.2	52.9	79.3



#23
Vinyl Acetate
Concen: 0.292 ppbv
RT: 5.06 min Scan# 707
Delta R.T. -0.01 min
Lab File: VL035603.D
Acq: 14 Sep 2020 17:52

Tgt Ion:	43	Resp:	44276
Ion	Ratio	Lower	Upper
43	100		
86	20.6	10.6	16.0#
42	16.9	7.5	11.3#
44	3.5	4.4	6.6#





#25

Ethyl Acetate

Concen: 0.185 ppbv

RT: 5.68 min Scan# 899

Delta R.T. 0.00 min

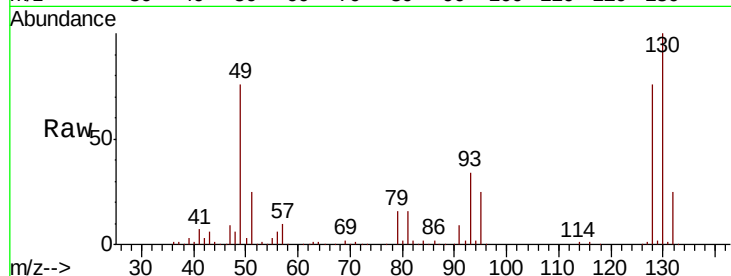
Lab File: VL035603.D

Acq: 14 Sep 2020 17:52

Instrument :
MSVOA_L
ClientSampleId :
SV-7

Tot Ion: 43 Resp: 38723

Ion	Ratio	Lower	Upper
43	100		
45	2.9	8.4	12.6#
61	3.1	10.6	16.0#
70	9.2	9.4	14.2#



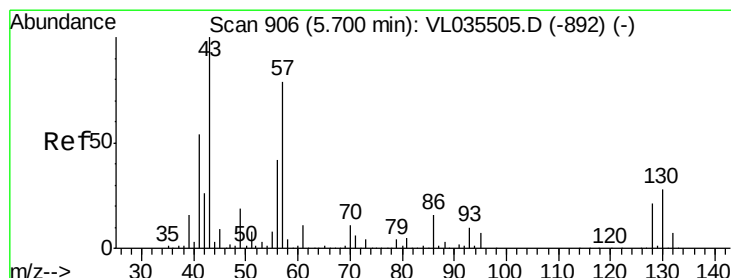
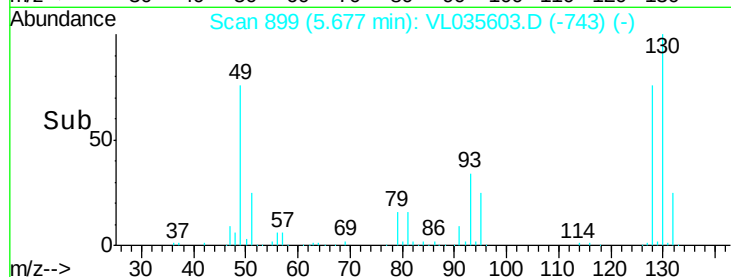
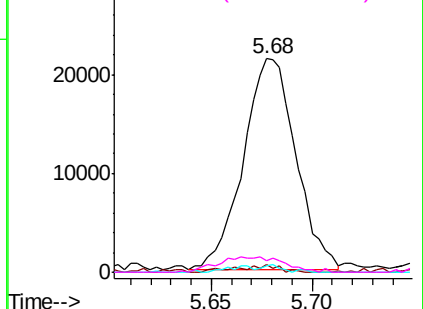
Abundance

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: 0.519 ppbv

RT: 5.68 min Scan# 900

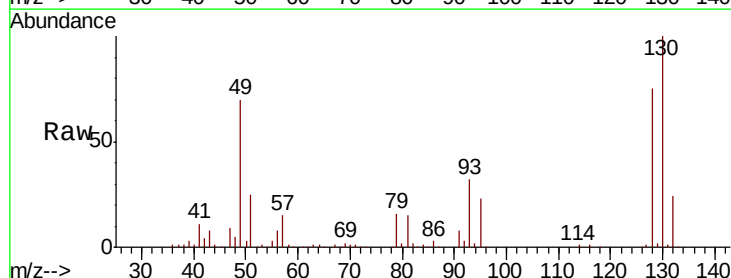
Delta R.T. -0.00 min

Lab File: VL035603.D

Acq: 14 Sep 2020 17:52

Tgt Ion: 57 Resp: 61419

Ion	Ratio	Lower	Upper
57	100		
41	101.3	55.9	83.9#
43	64.0	141.8	212.8#
56	69.5	41.8	62.8#



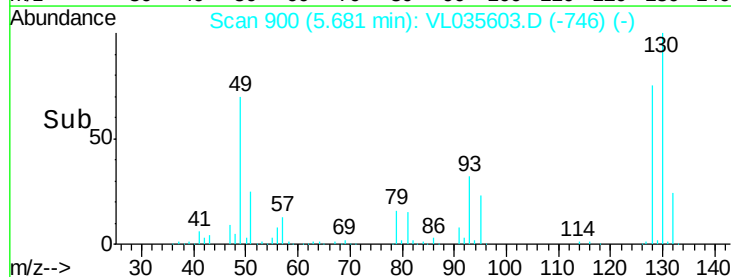
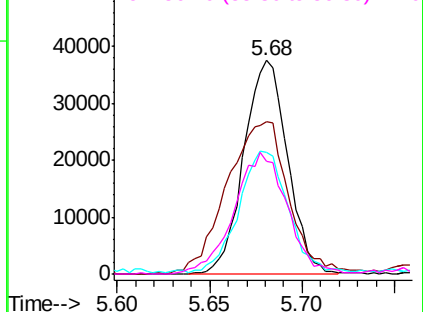
Abundance

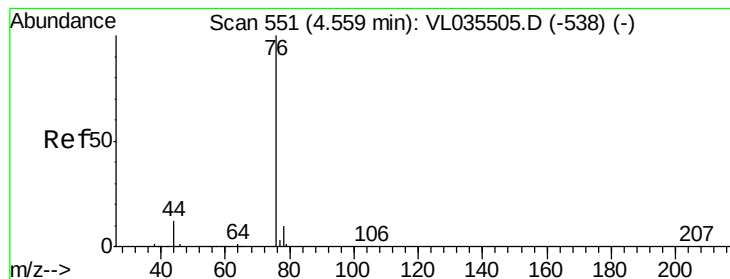
Ion 57.10 (56.80 to 57.80): VL0

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





#27

Carbon Disulfide

Concen: 0.074 ppbv

RT: 4.54 min Scan# 545

Delta R.T. -0.00 min

Lab File: VL035603.D

Acq: 14 Sep 2020 17:52

Instrument :

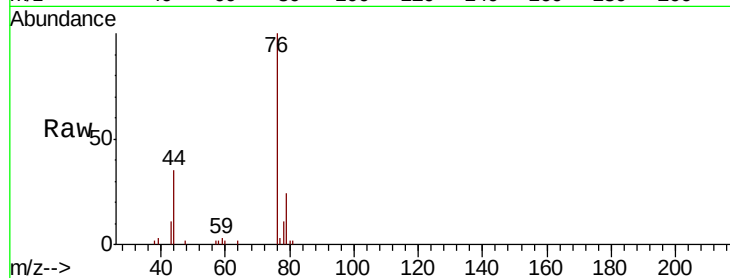
MSVOA_L

ClientSampleId :

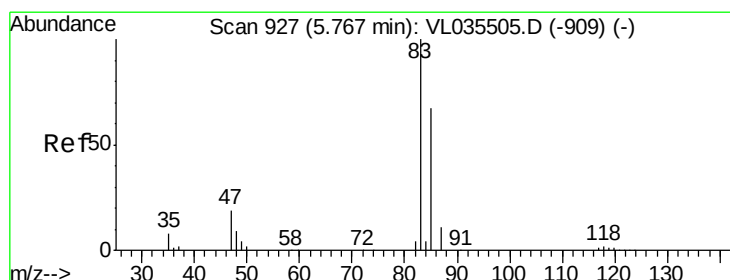
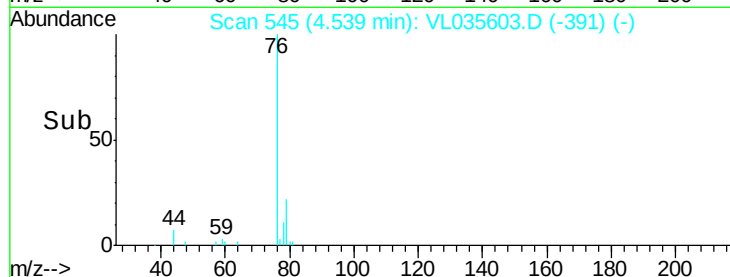
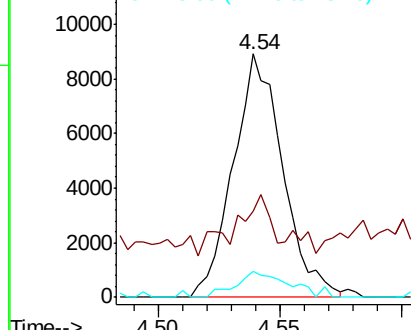
SV-7

Tot Ion: 76 Resp: 12534

Ion	Ratio	Lower	Upper
76	100		
44	32.6	9.3	13.9#
78	11.4	7.8	11.6



Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



#29

Chloroform

Concen: 0.124 ppbv

RT: 5.75 min Scan# 921

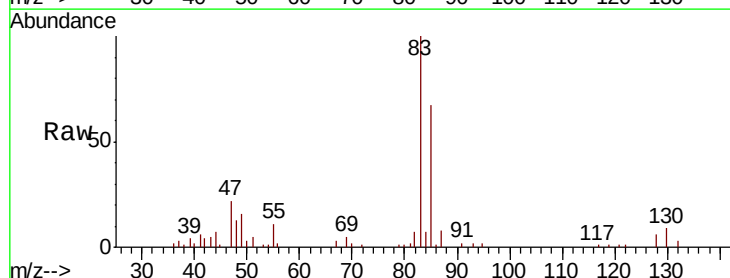
Delta R.T. -0.00 min

Lab File: VL035603.D

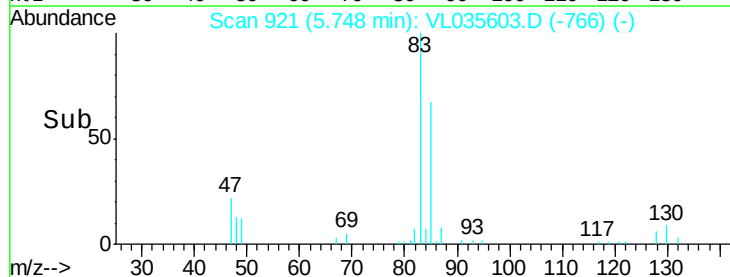
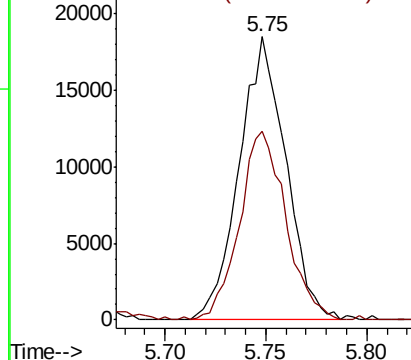
Acq: 14 Sep 2020 17:52

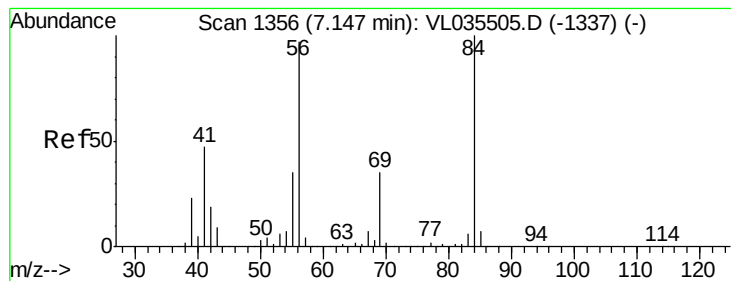
Tgt Ion: 83 Resp: 29875

Ion	Ratio	Lower	Upper
83	100		
85	66.6	53.9	80.9



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





#30

Cyclohexane

Concen: 0.063 ppbv

RT: 7.13 min Scan# 1350

Delta R.T. -0.00 min

Lab File: VL035603.D

Acq: 14 Sep 2020 17:52

Instrument :

MSVOA_L

ClientSampleId :

SV-7

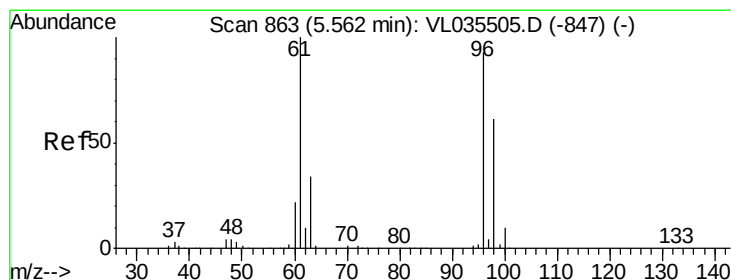
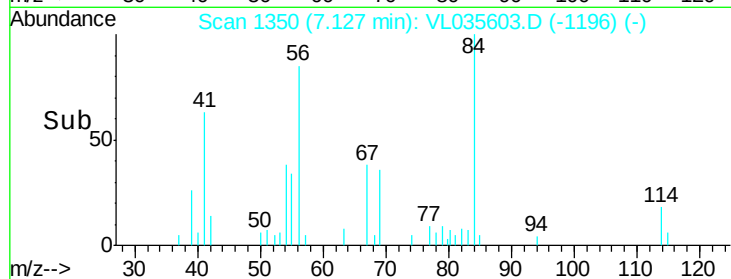
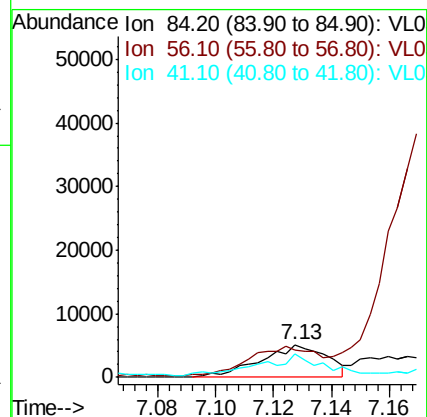
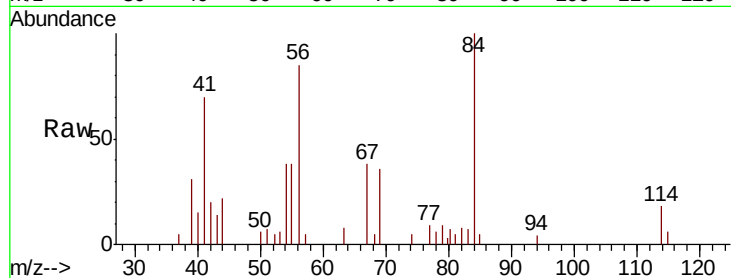
Tot Ion: 84 Resp: 8002

Ion Ratio Lower Upper

84 100

56 0.0 80.1 120.1#

41 76.9 38.1 57.1#



#31

cis-1,2-Dichloroethene

Concen: 0.259 ppbv

RT: 5.55 min Scan# 858

Delta R.T. -0.00 min

Lab File: VL035603.D

Acq: 14 Sep 2020 17:52

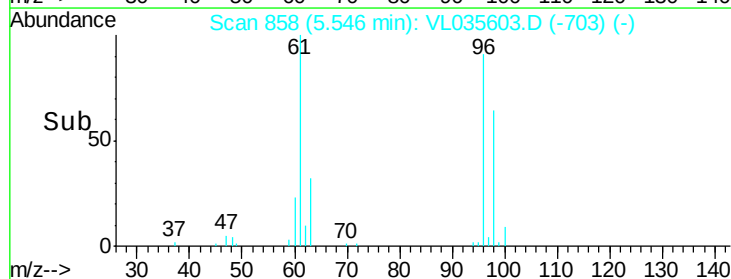
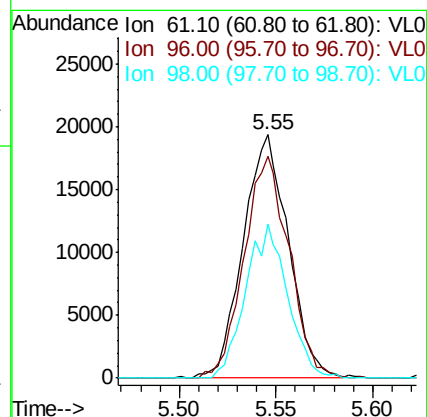
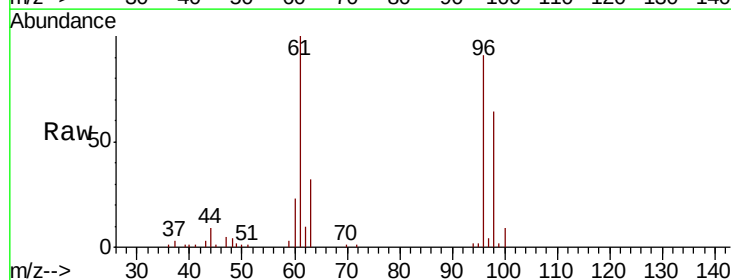
Tgt Ion: 61 Resp: 31454

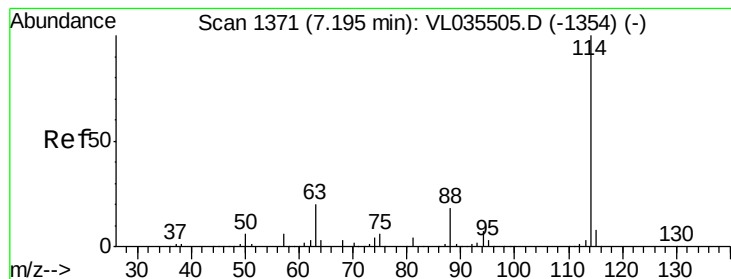
Ion Ratio Lower Upper

61 100

96 91.0 74.4 111.6

98 63.5 49.2 73.8





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VL035603.D

Acq: 14 Sep 2020 17:52

Instrument :

MSVOA_L

ClientSampleId :

SV-7

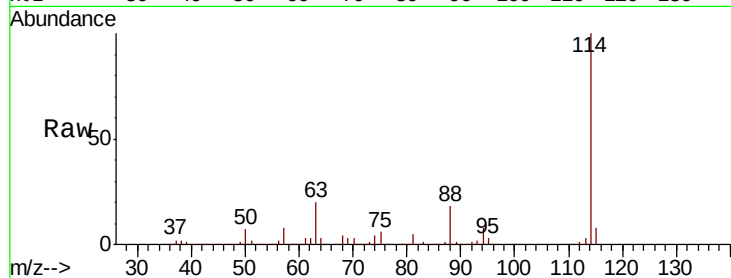
Tot Ion:114 Resp: 4508968

Ion Ratio Lower Upper

114 100

63 18.7 14.7 22.1

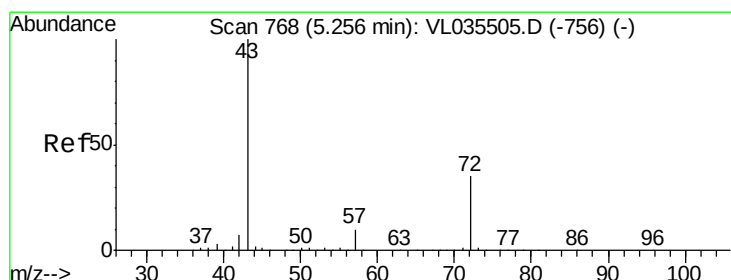
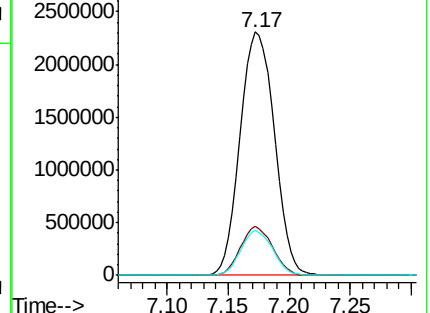
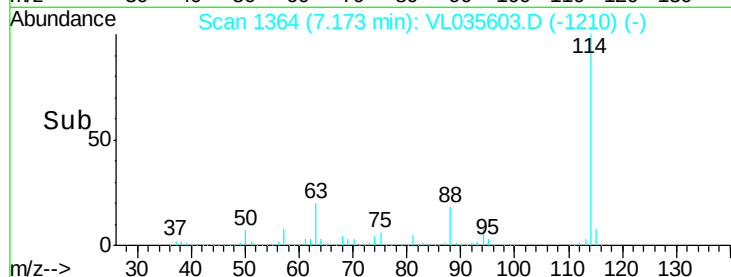
88 17.2 13.4 20.2



Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 5.809 ppbv

RT: 5.24 min Scan# 762

Delta R.T. -0.00 min

Lab File: VL035603.D

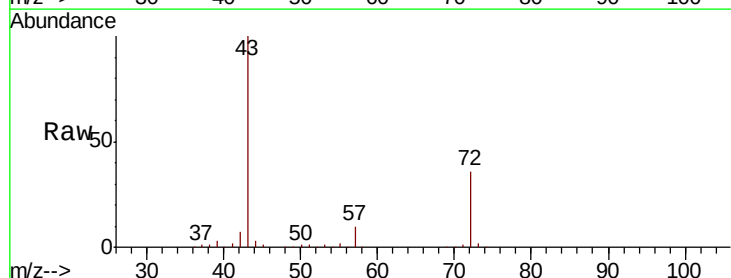
Acq: 14 Sep 2020 17:52

Tgt Ion: 43 Resp: 777333

Ion Ratio Lower Upper

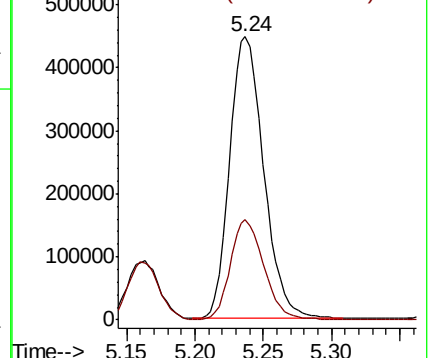
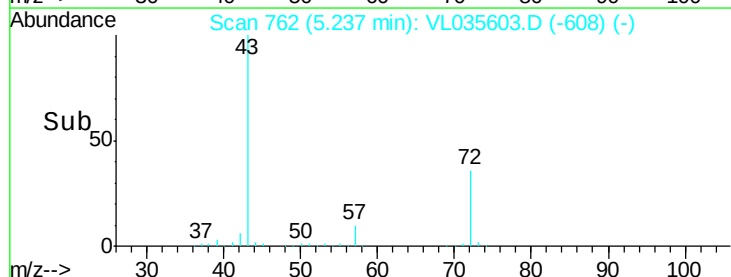
43 100

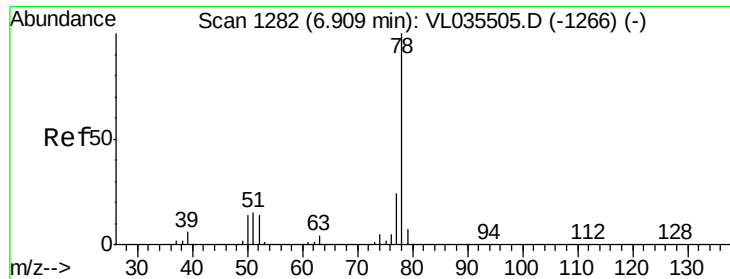
72 35.3 27.7 41.5



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#36

Benzene

Concen: 0.279 ppbv

RT: 6.89 min Scan# 1276

Delta R.T. -0.00 min

Lab File: VL035603.D

Acq: 14 Sep 2020 17:52

Instrument :

MSVOA_L

ClientSampleId :

SV-7

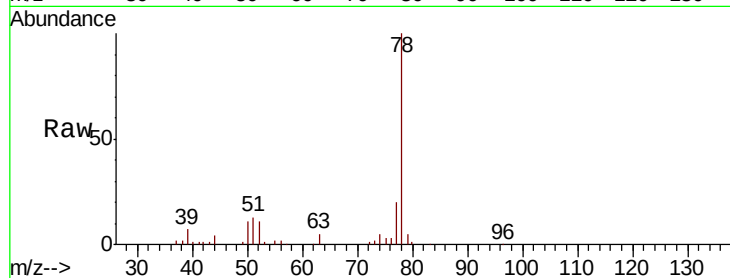
Tot Ion: 78 Resp: 81492

Ion Ratio Lower Upper

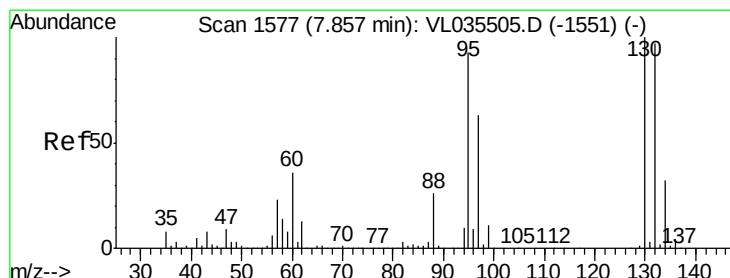
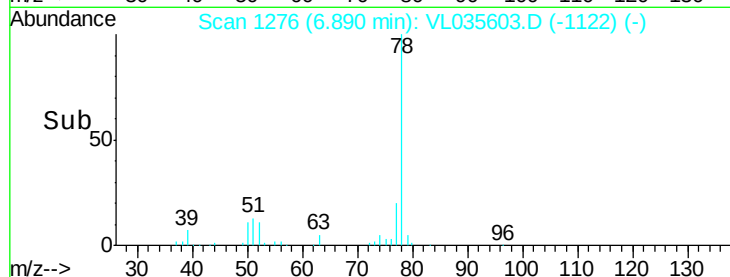
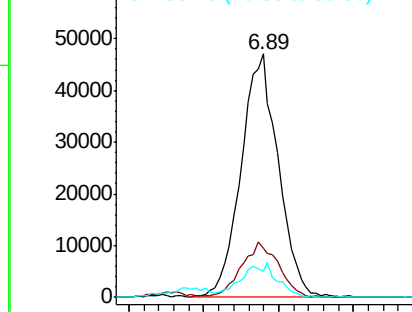
78 100

77 20.0 19.3 28.9

50 10.8 11.0 16.6#



Abundance Ion 78.10 (77.80 to 78.80): VL0
Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0



#38

Trichloroethene

Concen: 4.697 ppbv

RT: 7.83 min Scan# 1569

Delta R.T. -0.01 min

Lab File: VL035603.D

Acq: 14 Sep 2020 17:52

Tgt Ion: 130 Resp: 796265

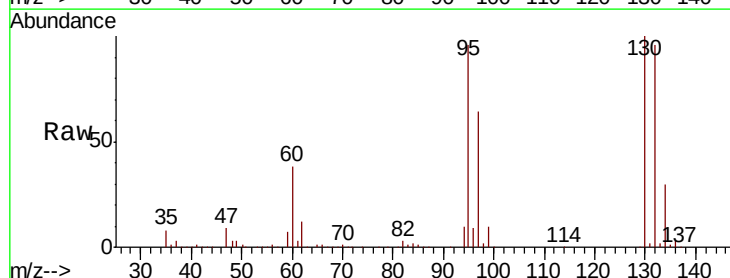
Ion Ratio Lower Upper

130 100

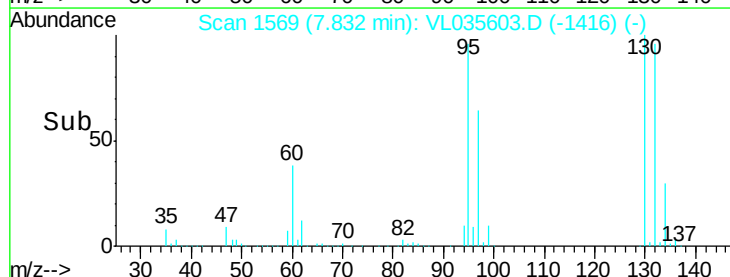
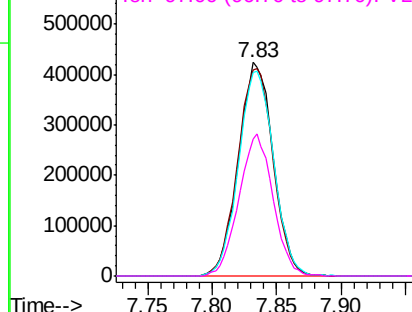
95 96.4 74.6 112.0

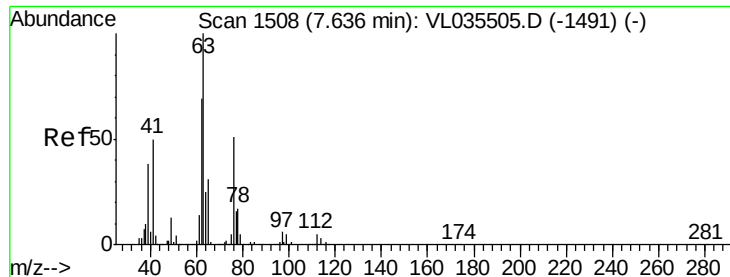
132 95.5 77.6 116.4

97 64.3 50.6 76.0



Abundance Ion 130.00 (129.70 to 130.70): V
Ion 95.00 (94.70 to 95.70): VL0
Ion 132.00 (131.70 to 132.70): V
Ion 97.00 (96.70 to 97.70): VL0





#39

1,2-Dichloropropane

Concen: 8.541 ppbv

RT: 7.17 min Scan# 1364

Delta R.T. -0.44 min

Lab File: VL035603.D

Acq: 14 Sep 2020 17:52

Instrument :

MSVOA_L

ClientSampleId :

SV-7

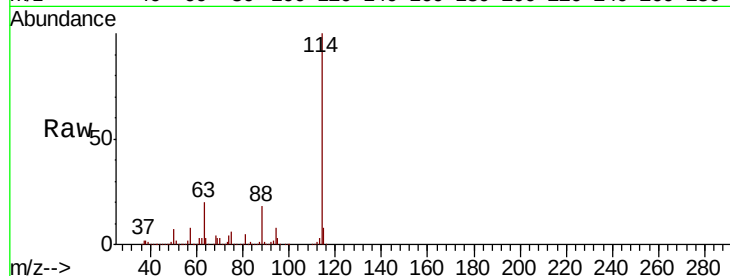
Tot Ion: 63 Resp: 842121

Ion Ratio Lower Upper

63 100

41 0.0 40.0 60.0#

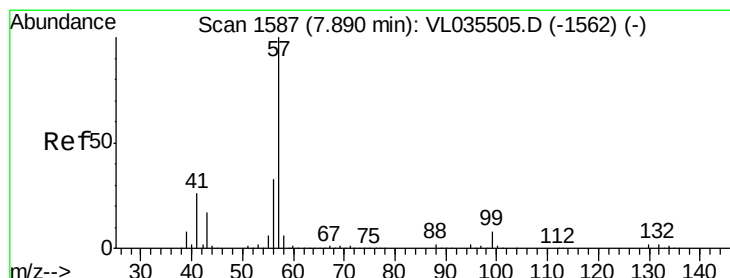
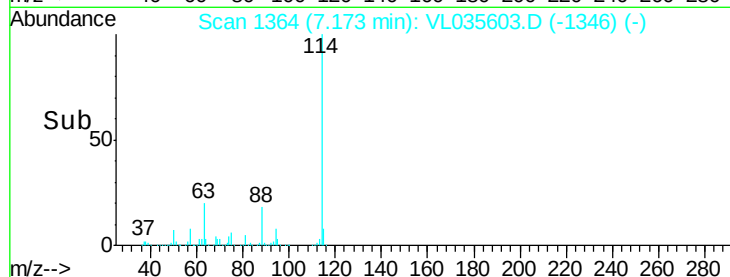
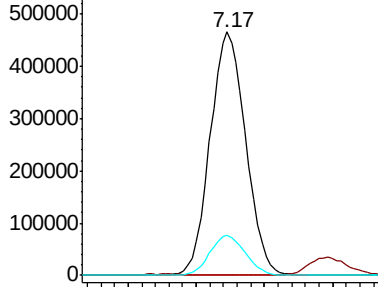
62 16.7 55.4 83.0#



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#44

2,2,4-Trimethylpentane

Concen: 0.034 ppbv

RT: 7.87 min Scan# 1580

Delta R.T. -0.00 min

Lab File: VL035603.D

Acq: 14 Sep 2020 17:52

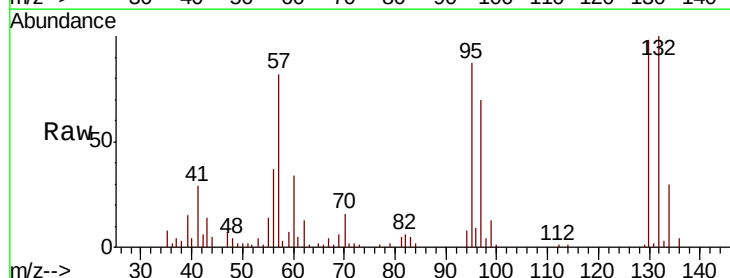
Tgt Ion: 57 Resp: 13061

Ion Ratio Lower Upper

57 100

41 85.2 20.5 30.7#

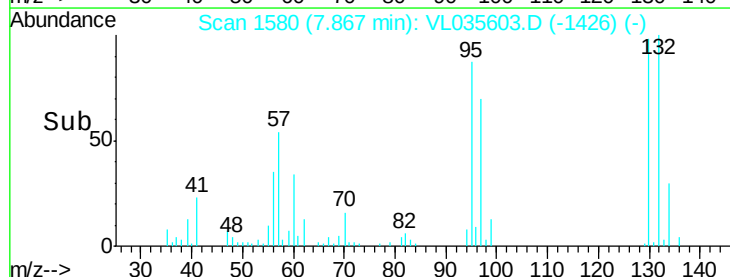
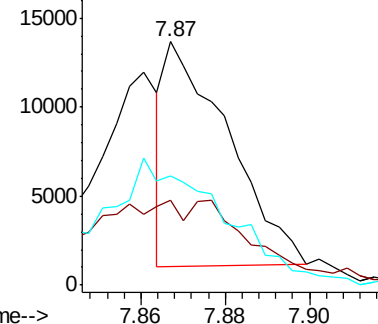
56 0.0 25.3 37.9#

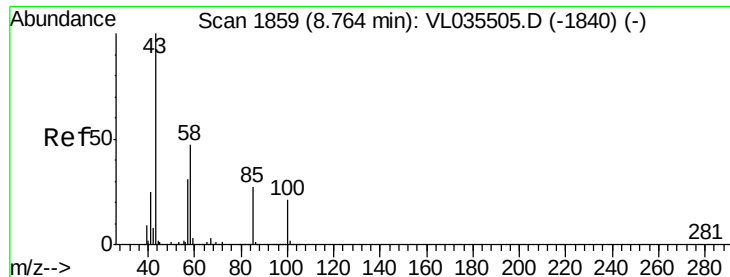


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0

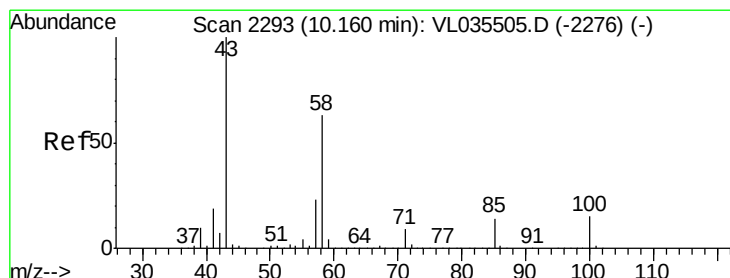
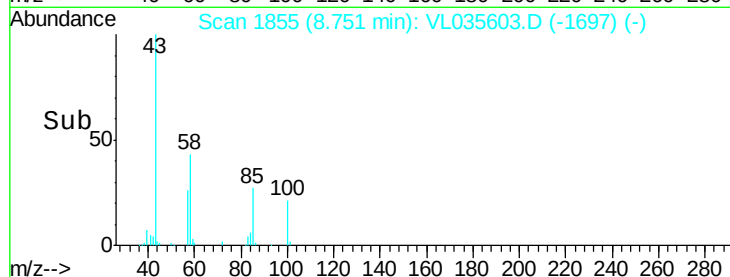
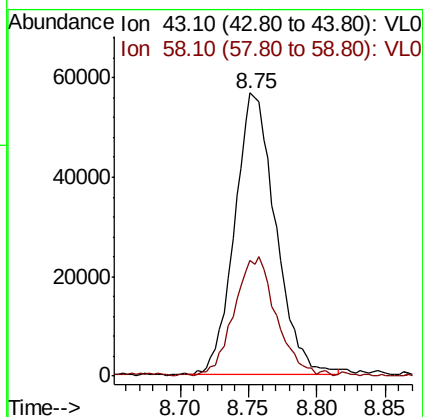
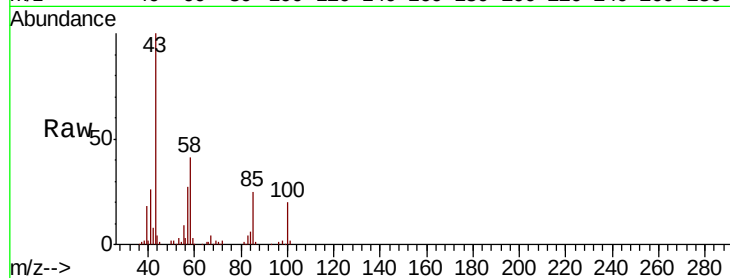




#50
4-Methyl-2-Pentanone
Concen: 0.610 ppbv
RT: 8.75 min Scan# 1855
Delta R.T. 0.01 min
Lab File: VL035603.D
Acq: 14 Sep 2020 17:52

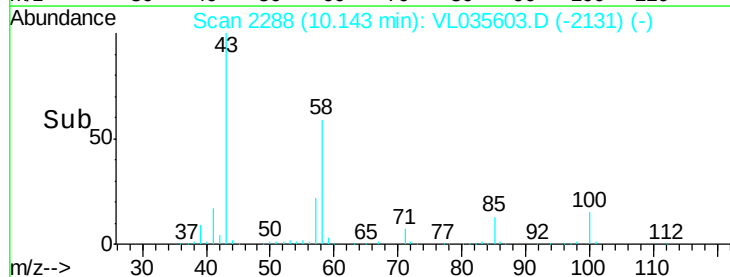
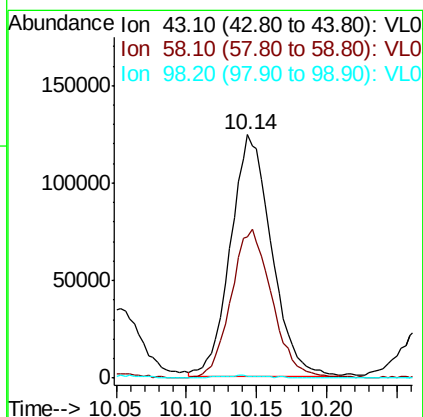
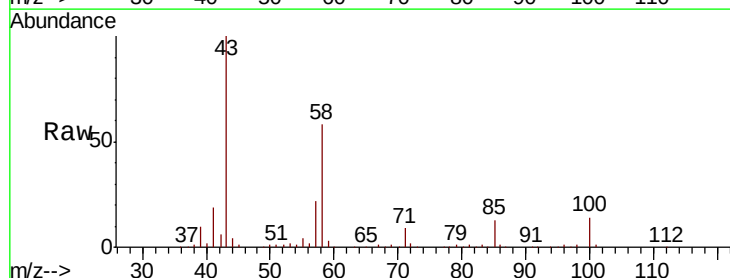
Instrument :
MSVOA_L
ClientSampleId :
SV-7

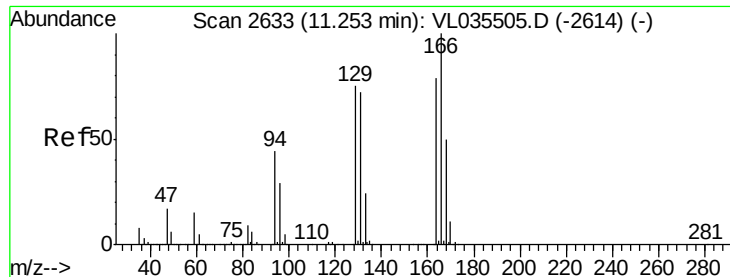
Tot Ion: 43 Resp: 118186
Ion Ratio Lower Upper
43 100
58 44.5 37.4 56.0



#51
2-Hexanone
Concen: 1.592 ppbv
RT: 10.14 min Scan# 2288
Delta R.T. 0.01 min
Lab File: VL035603.D
Acq: 14 Sep 2020 17:52

Tgt Ion: 43 Resp: 253053
Ion Ratio Lower Upper
43 100
58 61.0 50.2 75.4
98 1.5 0.4 0.6#





#52

Tetrachloroethene

Concen: 45.562 ppbv

RT: 11.23 min Scan# 2626

Delta R.T. -0.00 min

Lab File: VL035603.D

Acq: 14 Sep 2020 17:52

Instrument :

MSVOA_L

ClientSampleId :

SV-7

Tot Ion:164 Resp: 7768746

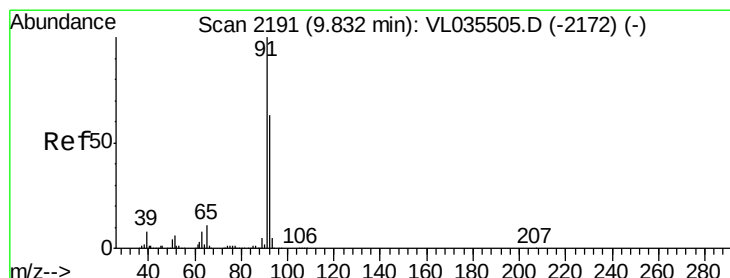
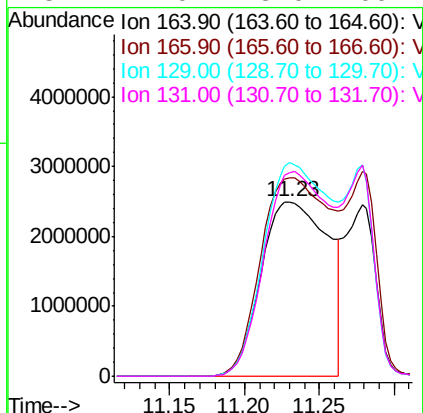
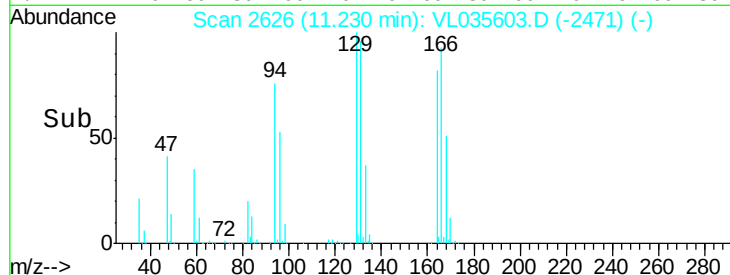
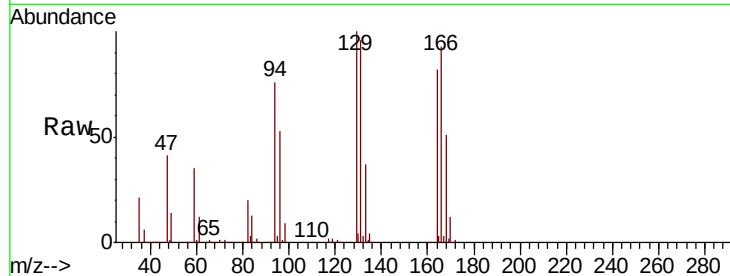
Ion Ratio Lower Upper

164 100

166 113.9 100.9 151.3

129 122.4 75.3 112.9#

131 117.0 73.0 109.4#



#53

Toluene

Concen: 2.274 ppbv

RT: 9.81 min Scan# 2184

Delta R.T. -0.00 min

Lab File: VL035603.D

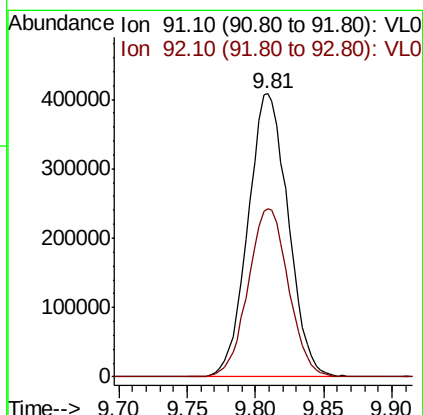
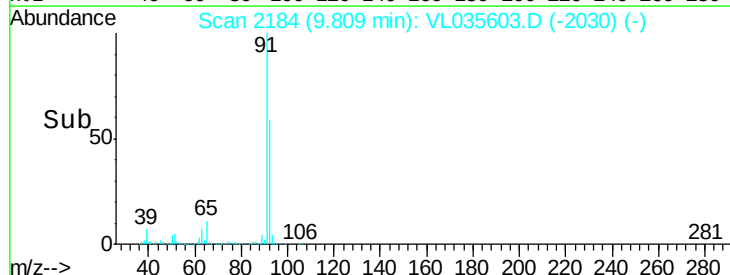
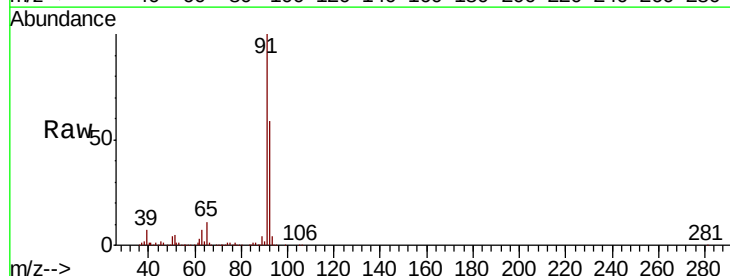
Acq: 14 Sep 2020 17:52

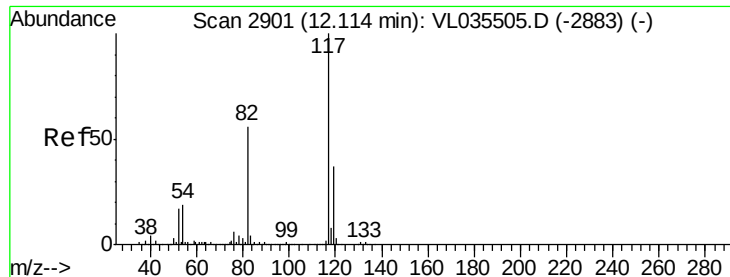
Tgt Ion: 91 Resp: 834806

Ion Ratio Lower Upper

91 100

92 59.8 49.8 74.8

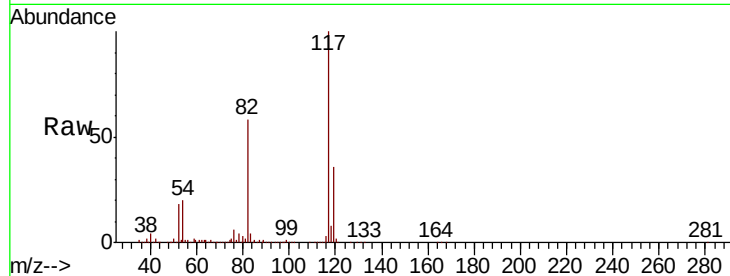




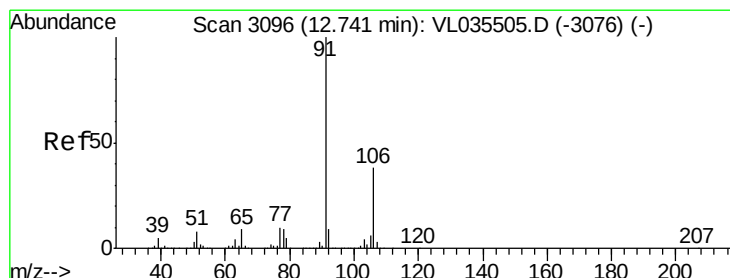
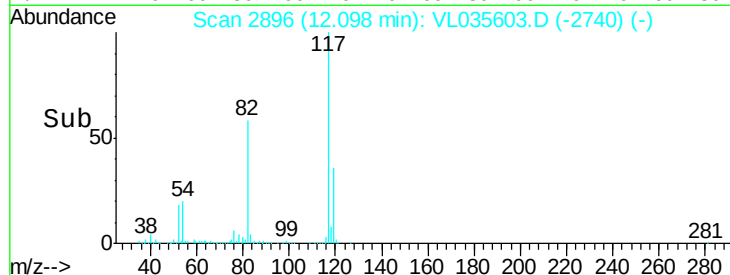
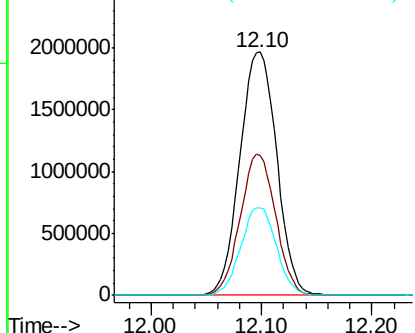
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2896
Delta R.T. 0.00 min
Lab File: VL035603.D
Acq: 14 Sep 2020 17:52

Instrument :
MSVOA_L
ClientSampleId :
SV-7

Tot Ion:117 Resp: 4563458
Ion Ratio Lower Upper
117 100
82 55.6 41.6 62.4
119 35.0 29.3 43.9

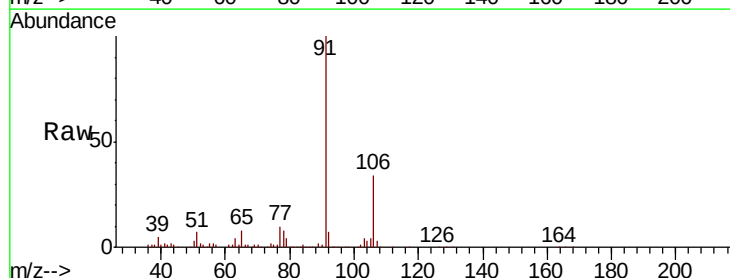


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

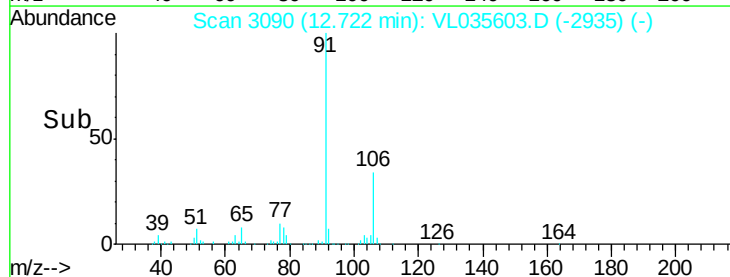
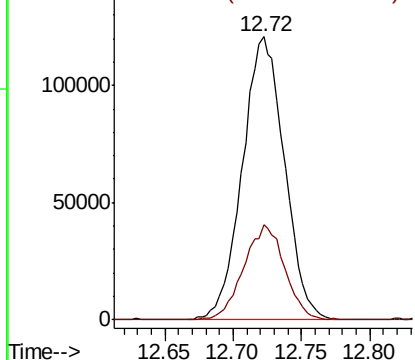


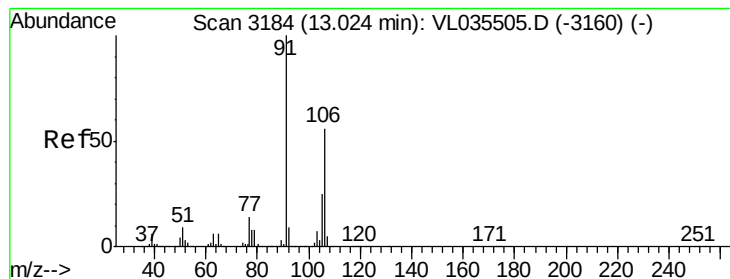
#58
Ethyl Benzene
Concen: 0.543 ppbv
RT: 12.72 min Scan# 3090
Delta R.T. -0.00 min
Lab File: VL035603.D
Acq: 14 Sep 2020 17:52

Tgt Ion: 91 Resp: 255427
Ion Ratio Lower Upper
91 100
106 33.9 30.3 45.5



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 2.100 ppbv

RT: 12.98 min Scan# 3170

Delta R.T. -0.03 min

Lab File: VL035603.D

Acq: 14 Sep 2020 17:52

Instrument :

MSVOA_L

ClientSampleId :

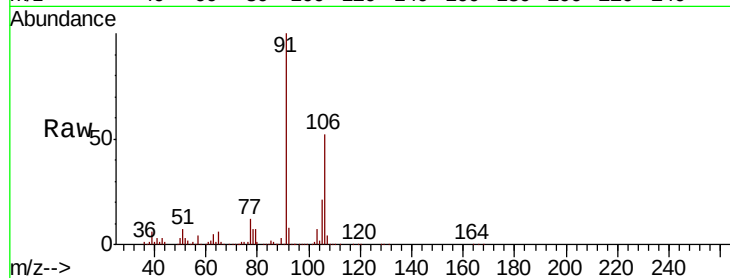
SV-7

Tot Ion: 91 Resp: 825697

Ion Ratio Lower Upper

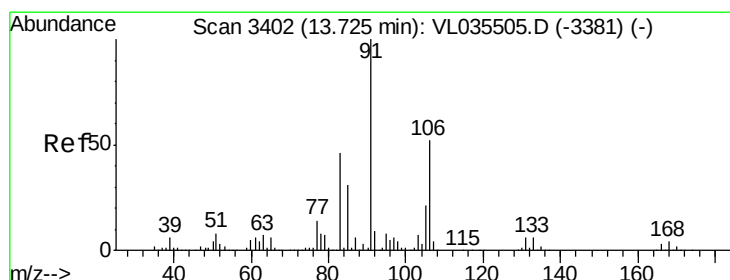
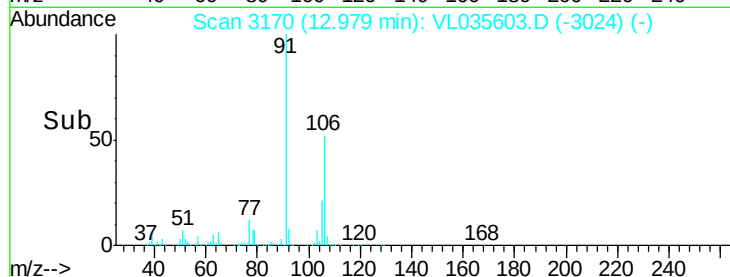
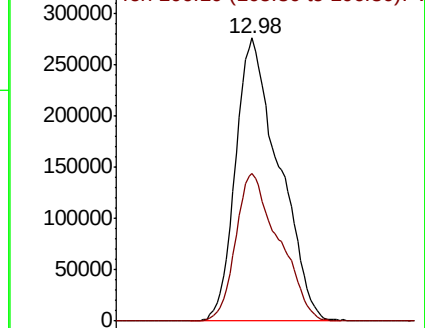
91 100

106 51.9 43.4 65.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#60

o-Xylene

Concen: 0.729 ppbv

RT: 13.70 min Scan# 3395

Delta R.T. -0.00 min

Lab File: VL035603.D

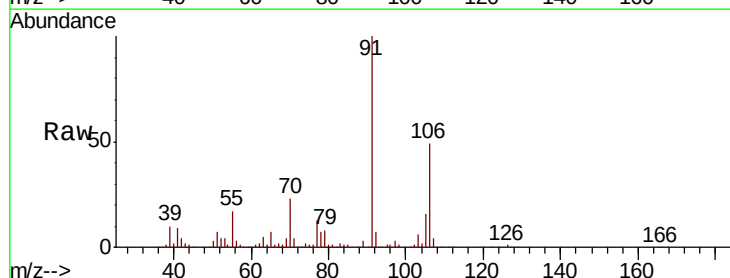
Acq: 14 Sep 2020 17:52

Tgt Ion: 91 Resp: 288628

Ion Ratio Lower Upper

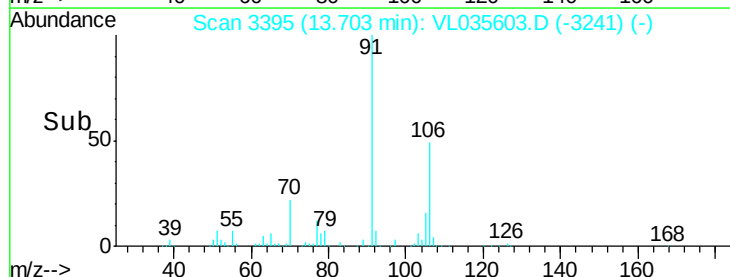
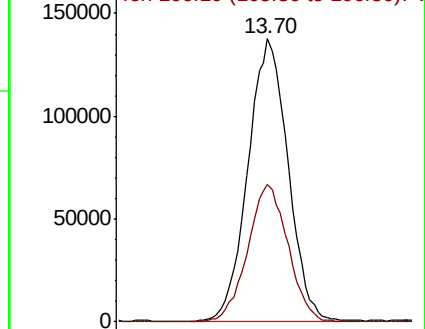
91 100

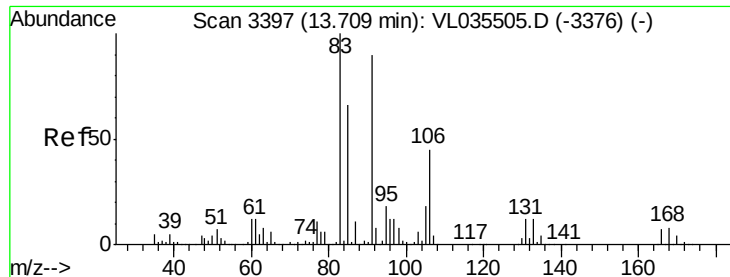
106 49.1 25.8 77.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

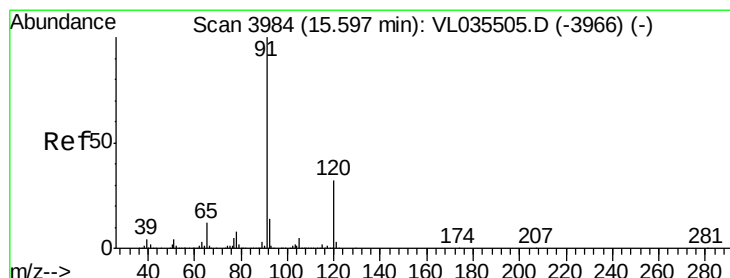
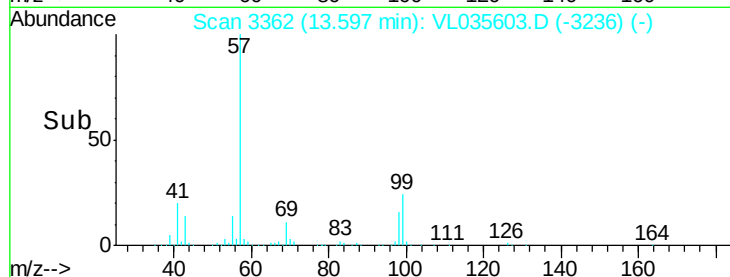
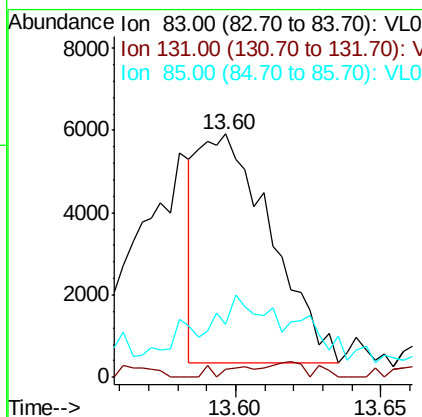
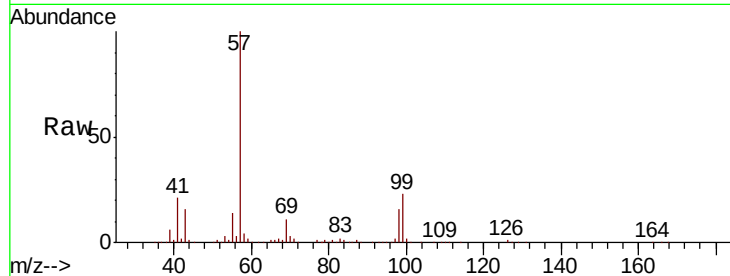




#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.032 ppbv
 RT: 13.60 min Scan# 3362
 Delta R.T. -0.09 min
 Lab File: VL035603.D
 Acq: 14 Sep 2020 17:52

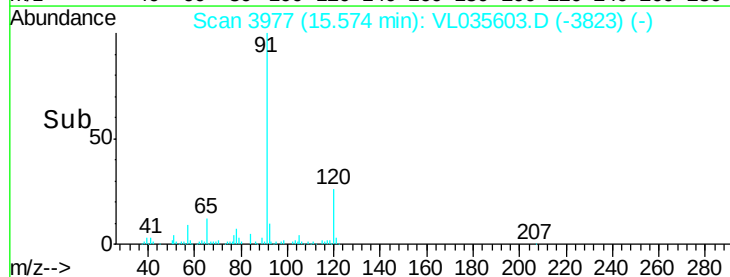
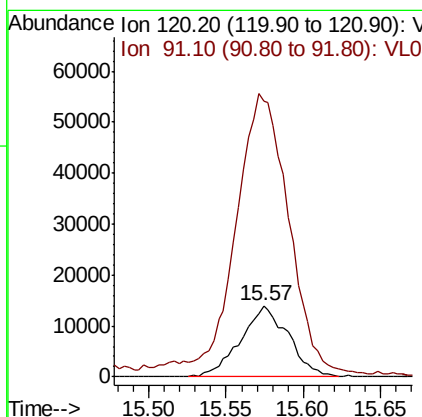
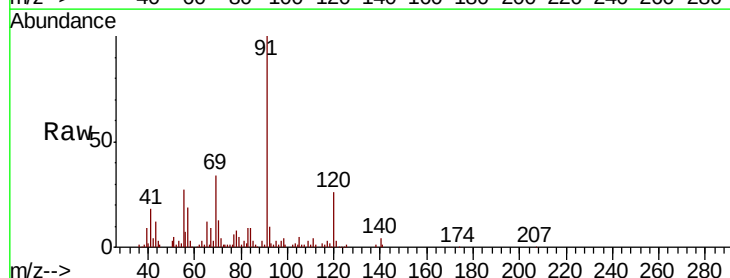
Instrument :
 MSVOA_L
 ClientSampleId :
 SV-7

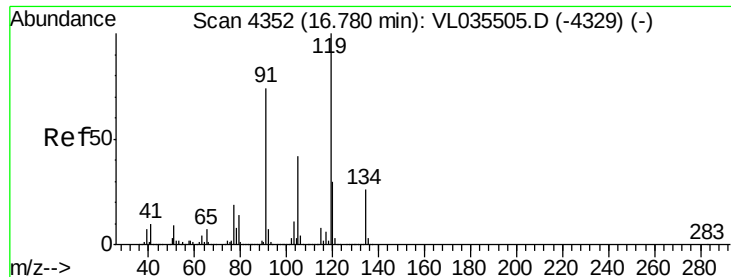
Tot Ion: 83 Resp: 9719
 Ion Ratio Lower Upper
 83 100
 131 6.3 6.0 18.0
 85 72.5 33.4 100.2



#64
 n-propylbenzene
 Concen: 0.154 ppbv
 RT: 15.57 min Scan# 3977
 Delta R.T. -0.00 min
 Lab File: VL035603.D
 Acq: 14 Sep 2020 17:52

Tgt Ion: 120 Resp: 29981
 Ion Ratio Lower Upper
 120 100
 91 446.8 279.4 419.0#





#65

tert-Butylbenzene

Concen: 0.037 ppbv

RT: 16.78 min Scan# 4352

Delta R.T. 0.02 min

Lab File: VL035603.D

Acq: 14 Sep 2020 17:52

Instrument :

MSVOA_L

ClientSampled :

SV-7

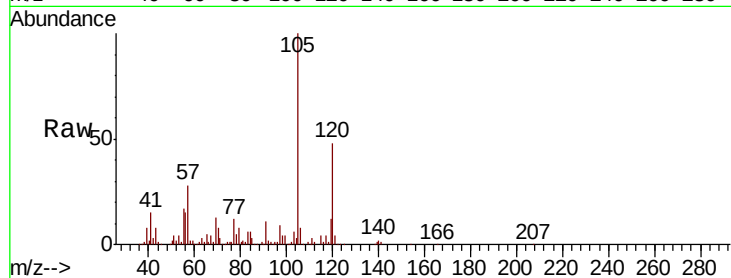
Tot Ion:119 Resp: 21713

Ion Ratio Lower Upper

119 100

91 184.3 58.6 87.8#

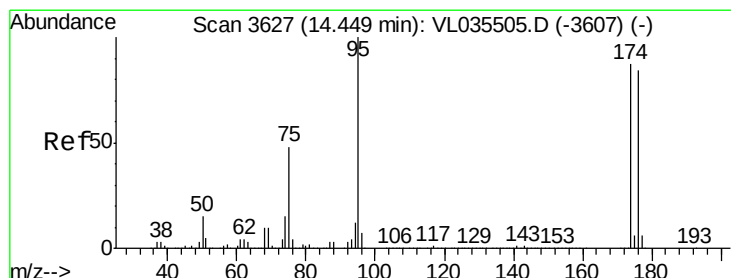
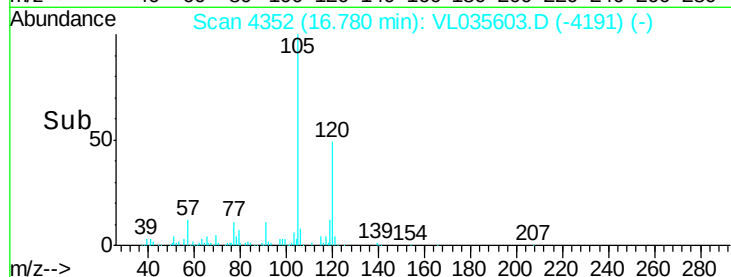
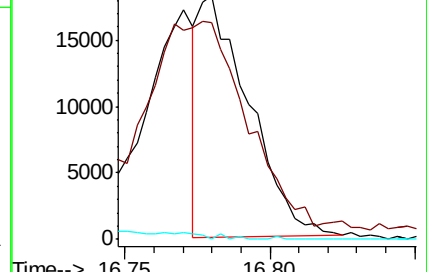
134 0.0 18.9 28.3#



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.757 ppbv

RT: 14.43 min Scan# 3620

Delta R.T. -0.00 min

Lab File: VL035603.D

Acq: 14 Sep 2020 17:52

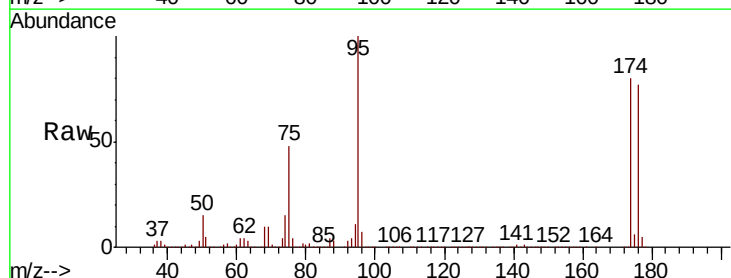
Tgt Ion: 95 Resp: 3486006

Ion Ratio Lower Upper

95 100

174 79.6 69.6 104.4

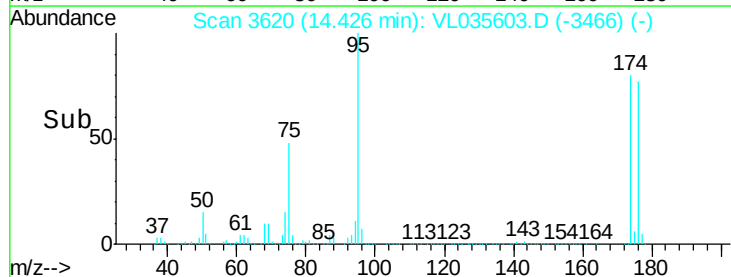
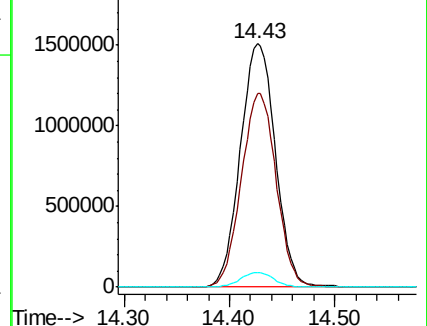
175 5.8 5.1 7.7

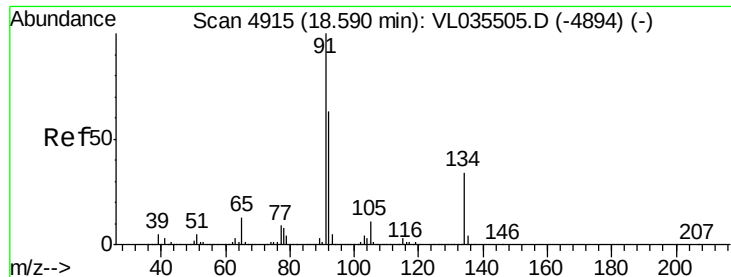


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

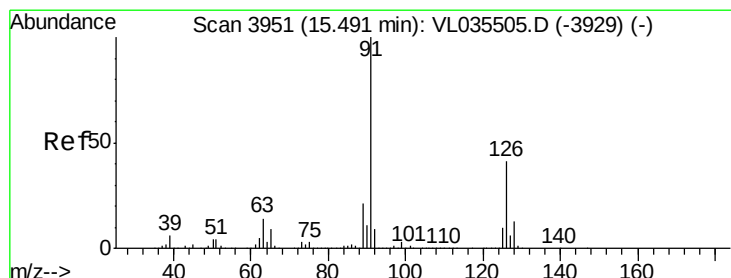
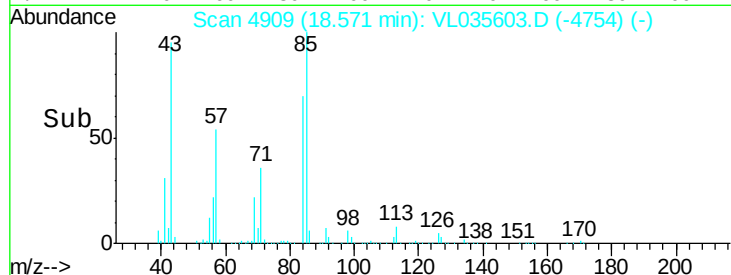
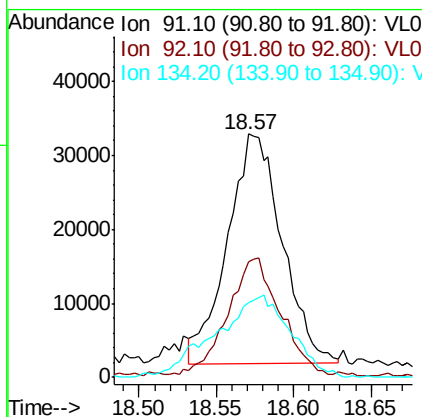
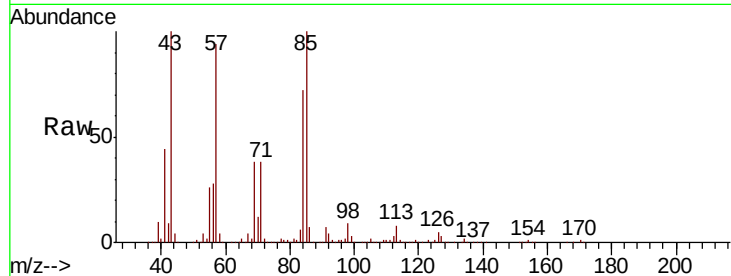




#70
n-Butylbenzene
Concen: 0.114 ppbv
RT: 18.57 min Scan# 4909
Delta R.T. -0.00 min
Lab File: VL035603.D
Acq: 14 Sep 2020 17:52

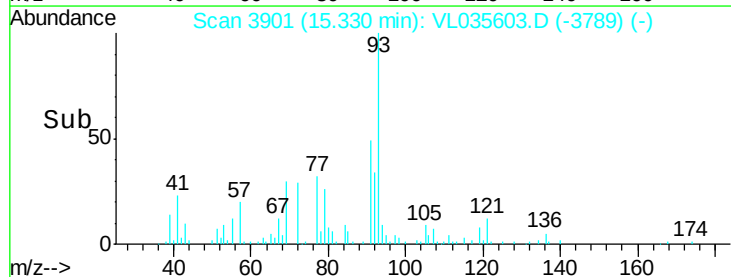
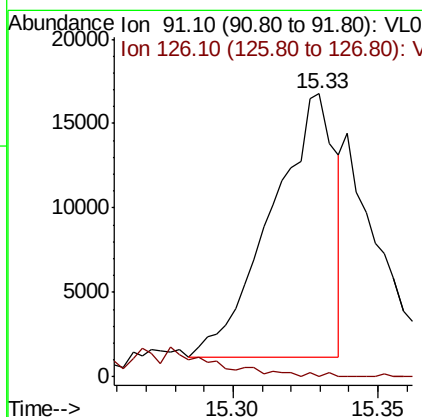
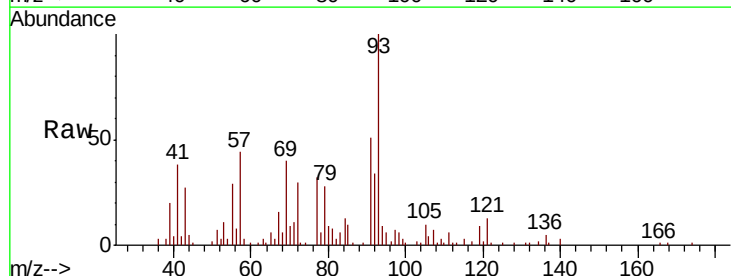
Instrument :
MSVOA_L
ClientSampleId :
SV-7

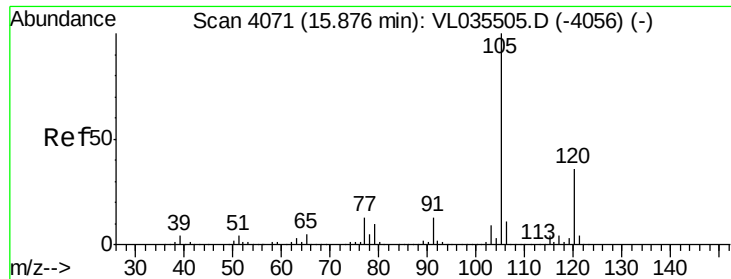
Tot Ion: 91 Resp: 75992
Ion Ratio Lower Upper
91 100
92 51.1 47.3 70.9
134 49.5 24.6 37.0#



#71
2-Chlorotoluene
Concen: 0.051 ppbv
RT: 15.33 min Scan# 3901
Delta R.T. -0.14 min
Lab File: VL035603.D
Acq: 14 Sep 2020 17:52

Tgt Ion: 91 Resp: 23787
Ion Ratio Lower Upper
91 100
126 17.7 15.6 62.6





#72

4-Ethyltoluene

Concen: 0.296 ppbv

RT: 15.85 min Scan# 4064

Delta R.T. -0.00 min

Lab File: VL035603.D

Acq: 14 Sep 2020 17:52

Instrument :

MSVOA_L

ClientSampleId :

SV-7

Tot Ion:105 Resp: 148795

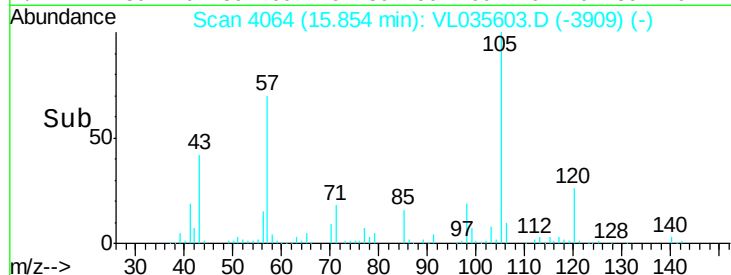
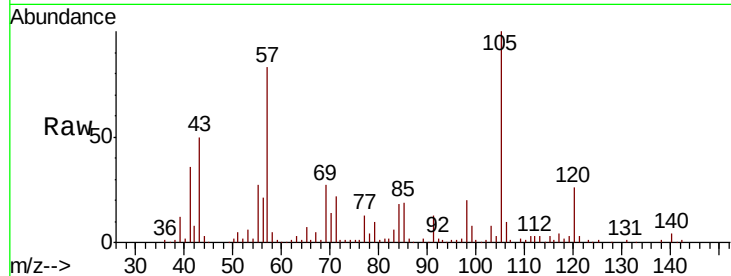
Ion Ratio Lower Upper

105 100

120 30.4 27.4 41.2

91 13.0 9.7 14.5

77 14.6 9.6 14.4#



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

200000

150000

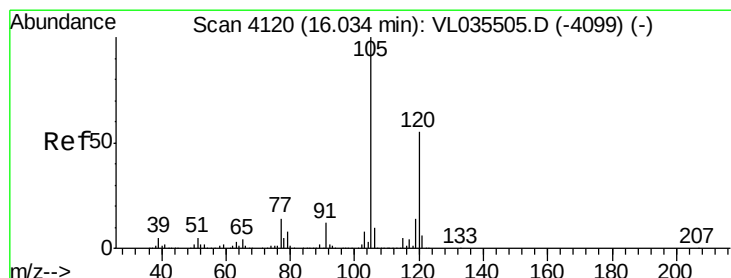
100000

50000

0

15.80 15.85 15.90

Time-->



#73

1,3,5-Trimethylbenzene

Concen: 0.175 ppbv

RT: 16.01 min Scan# 4113

Delta R.T. -0.00 min

Lab File: VL035603.D

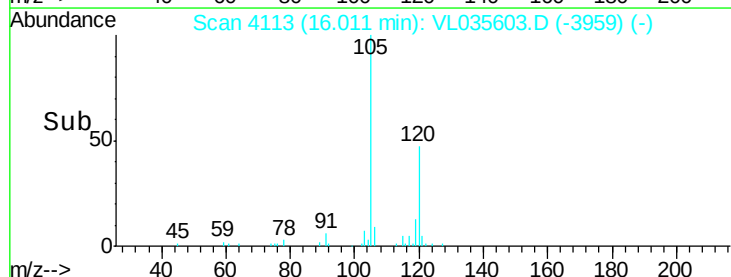
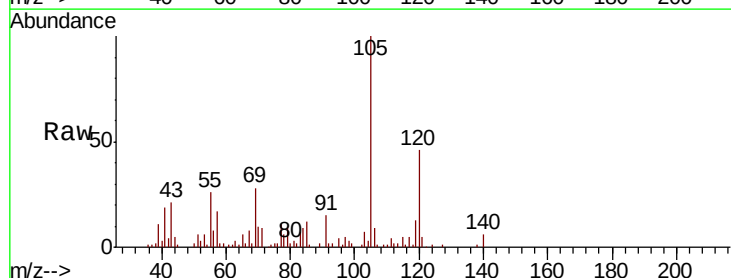
Acq: 14 Sep 2020 17:52

Tgt Ion:105 Resp: 81687

Ion Ratio Lower Upper

105 100

120 45.9 44.2 66.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

40000

30000

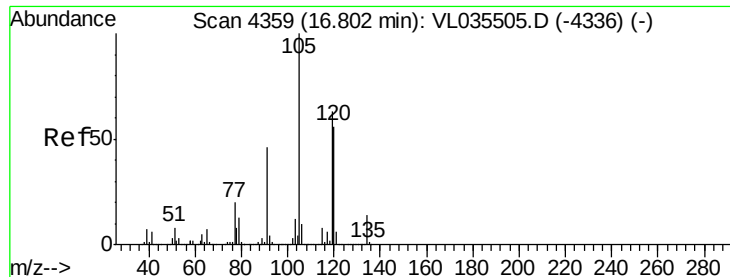
20000

10000

0

15.95 16.00 16.05

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 0.682 ppbv

RT: 16.78 min Scan# 4351

Delta R.T. -0.00 min

Lab File: VL035603.D

Acq: 14 Sep 2020 17:52

Instrument :

MSVOA_L

ClientSampleId :

SV-7

Tot Ion:105 Resp: 348848

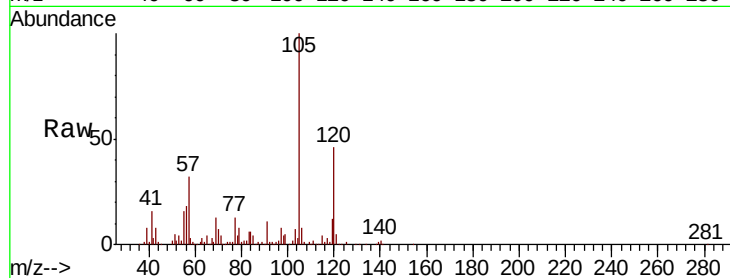
Ion Ratio Lower Upper

105 100

120 45.6 44.4 66.6

91 10.2 37.1 55.7#

77 12.5 16.0 24.0#

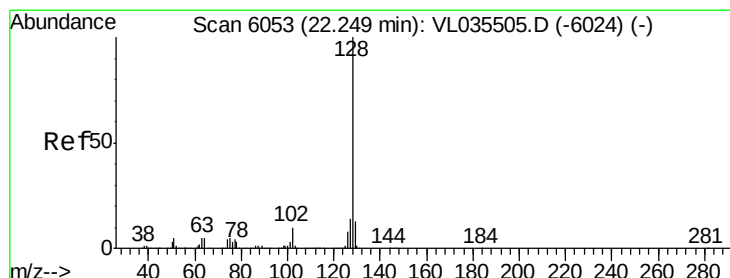
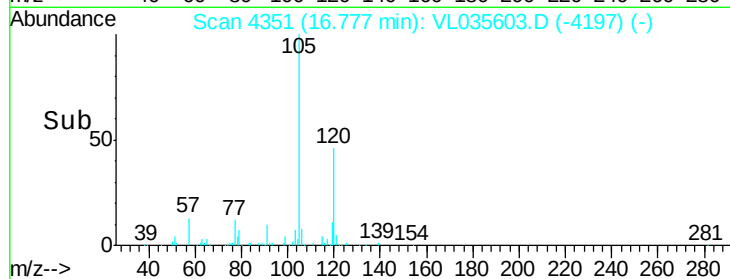
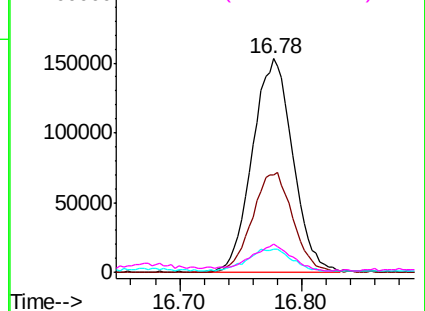


Abundance Ion 105.10 (104.80 to 105.80): V

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



#79

Naphthalene

Concen: 0.034 ppbv

RT: 22.23 min Scan# 6048

Delta R.T. 0.01 min

Lab File: VL035603.D

Acq: 14 Sep 2020 17:52

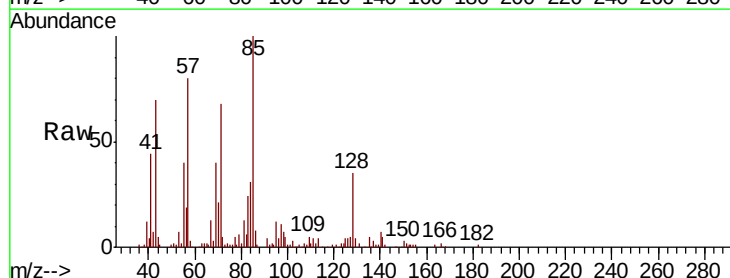
Tgt Ion:128 Resp: 19158

Ion Ratio Lower Upper

128 100

127 12.4 11.4 17.2

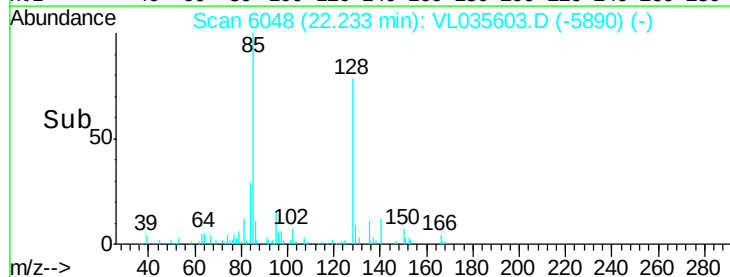
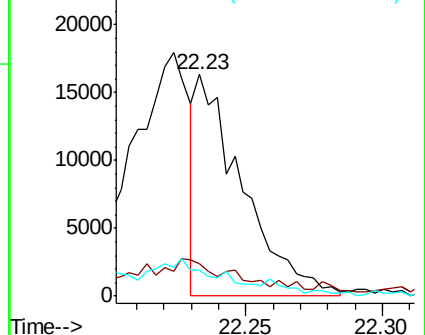
129 10.7 10.5 15.7

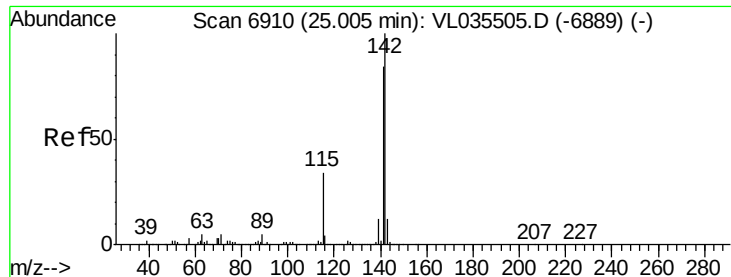


Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V





#80
 Naphthalene, 2-methyl-
 Concen: 0.053 ppbv
 RT: 24.99 min Scan# 6905
 Delta R.T. -0.00 min
 Lab File: VL035603.D
 Acq: 14 Sep 2020 17:52

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-7

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.3	67.6	101.4
115	40.2	25.8	38.8

