

Data File : VL034148.D
Acq On : 10 Sep 2019 18:32
Operator : SY/AP
Sample : K4775-03DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SV3DL

Quant Time: Sep 11 01:51:52 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL090519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Sep 05 10:21:45 2019
QLast Update : Thu Sep 05 10:21:45 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.71	49	704663	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.23	114	1430397	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.17	117	1409936	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.50	95	1184398	10.28	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.80%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.03	85	9544	0.082	ppbv #	84
3) Chlorodifluoromethane	2.91	51	6465	0.082	ppbv	93
4) Chloromethane	3.13	50	6398	0.130	ppbv #	87
9) Propene	3.00	41	434141	9.878	ppbv	92
10) Heptane	8.18	43	192247	1.686	ppbv	98
13) Ethanol	3.60	45	105444	12.247	ppbv	97
15) Acetone	3.85	43	6494574	76.473	ppbv #	69
16) 1,3-Butadiene	3.30	39	636784	14.806	ppbv #	19
17) tert-Butyl alcohol	4.30	59	191582	3.107	ppbv	97
19) Isopropyl Alcohol	3.98	45	284744	4.967	ppbv #	97
20) Methylene Chloride	4.36	84	10592	0.377	ppbv	84
21) Allyl Chloride	4.38	41	3377	0.060	ppbv #	1
23) Vinyl Acetate	5.09	43	31752	0.220	ppbv #	51
25) Ethyl Acetate	5.72	43	177277	0.951	ppbv #	79
26) Hexane	5.72	57	234923	2.834	ppbv #	39
27) Carbon Disulfide	4.56	76	90696	1.212	ppbv #	92
29) Chloroform	5.79	83	11053	0.099	ppbv	95
30) Cyclohexane	7.18	84	57712	0.963	ppbv	90
32) 1,1,1-Trichloroethane	6.56	97	459161	4.347	ppbv	98
34) 2-Butanone	5.27	43	1184568	8.614	ppbv	99
36) Benzene	6.94	78	107475	0.657	ppbv	99
38) Trichloroethene	7.90	130	13467	0.221	ppbv #	84
39) 1,2-Dichloropropane	7.23	63	402746	5.756	ppbv #	23
42) Bromodichloromethane	7.86	83	5215	0.040	ppbv #	32
44) 2,2,4-Trimethylpentane	7.92	57	14810	0.049	ppbv #	1
50) 4-Methyl-2-Pentanone	8.81	43	67942	0.324	ppbv	97
51) 2-Hexanone	10.20	43	371221	2.048	ppbv #	94
52) Tetrachloroethene	11.30	164	1334613	23.149	ppbv	98
53) Toluene	9.88	91	362265	2.003	ppbv	97
58) Ethyl Benzene	12.79	91	73773	0.319	ppbv	93
59) m/p-Xylene	13.05	91	382191	2.026	ppbv	100
60) o-Xylene	13.78	91	159589	0.850	ppbv	100
62) Isopropylbenzene	14.75	105	16015	0.066	ppbv	99
64) n-propylbenzene	15.64	120	5319	0.087	ppbv #	1
65) tert-Butylbenzene	16.84	119	8702	0.041	ppbv #	13
72) 4-Ethyltoluene	15.93	105	24277	0.115	ppbv #	24
73) 1,3,5-Trimethylbenzene	16.08	105	49758	0.242	ppbv	99
74) 1,2,4-Trimethylbenzene	16.85	105	183836	0.867	ppbv #	71
79) Naphthalene	22.32	128	8966	0.047	ppbv #	81
80) Naphthalene,2-methyl-	25.06	142	2124	0.032	ppbv #	72

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL091019\
Quantitation Report (Not Reviewed)

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL090519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Sep 05 10:21:45 2019
QLast Update : Thu Sep 05 10:21:45 2019
Response via : Initial Calibration

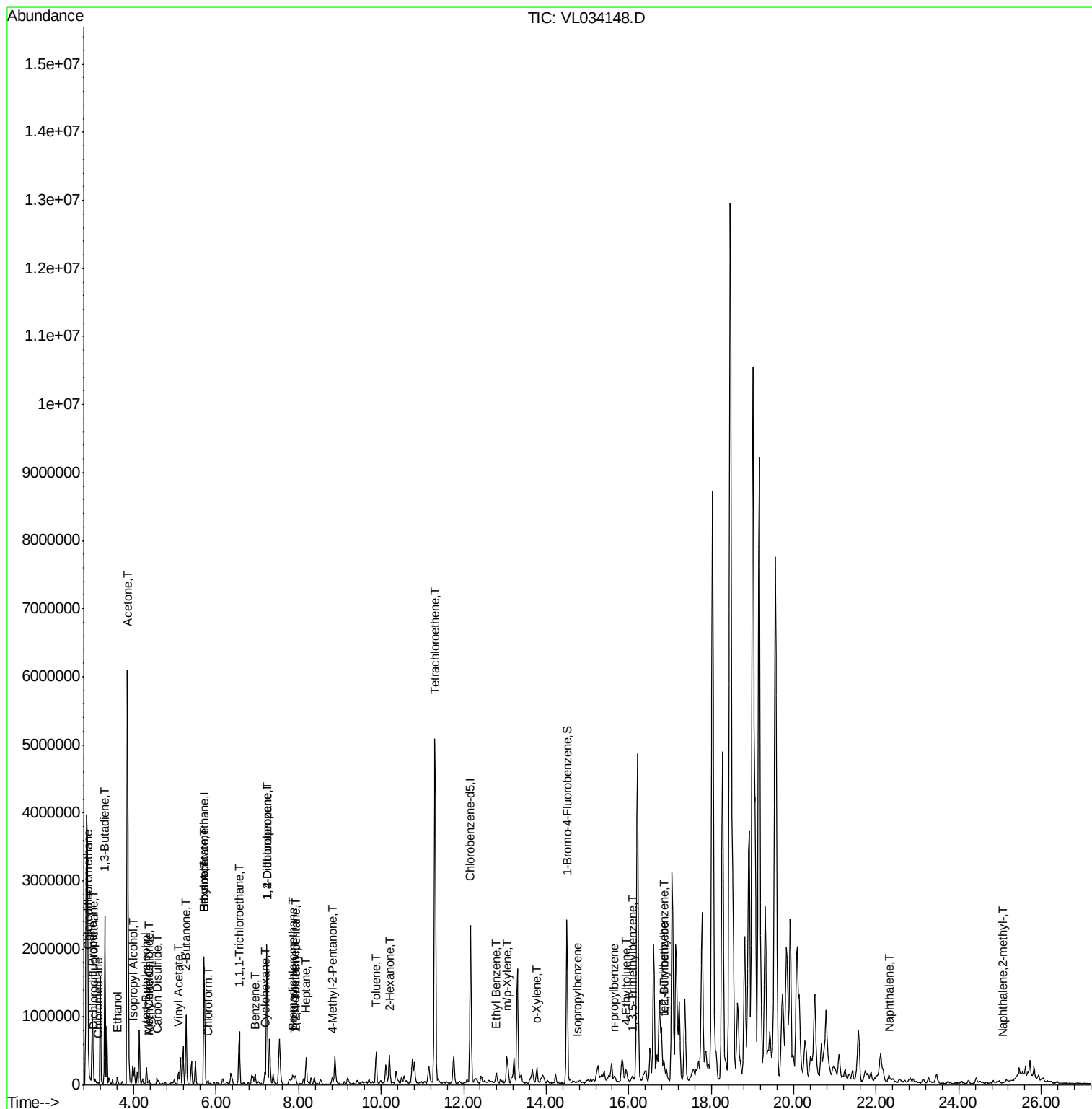
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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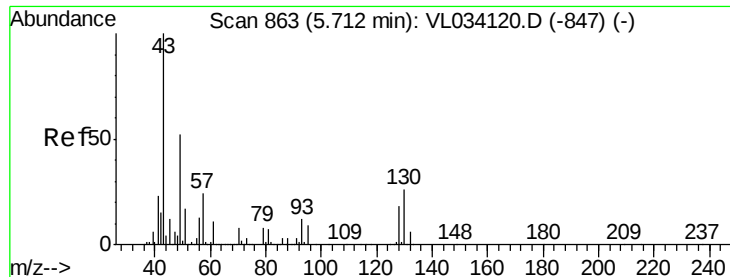
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.71 min Scan# 909

Delta R.T. -0.00 min

Lab File: VL034148.D

Acq: 10 Sep 2019 18:32

Instrument :

MSVOA_L

ClientSampleId :

SV3DL

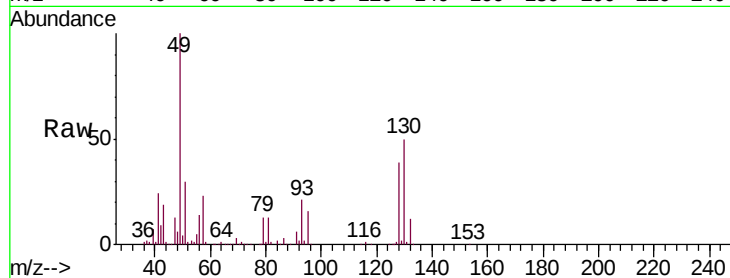
Tgt Ion: 49 Resp: 704663

Ion Ratio Lower Upper

49 100

128 39.2 18.4 55.0

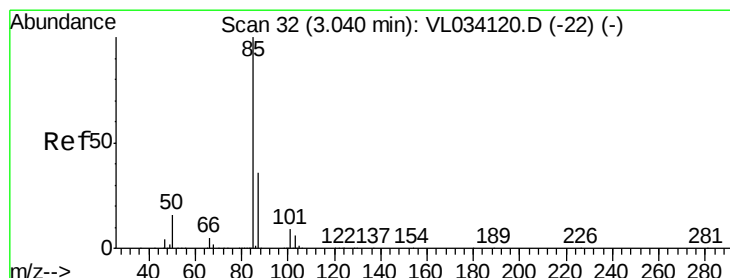
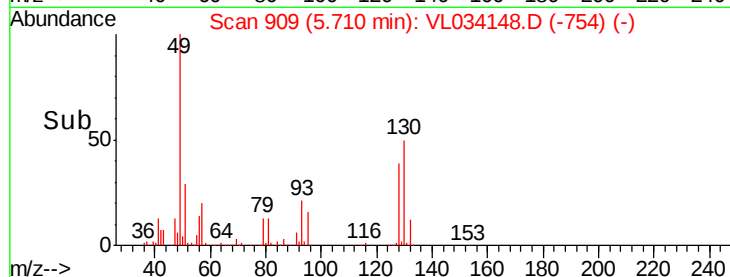
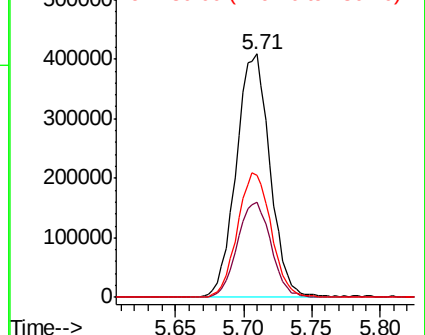
130 51.4 23.5 70.6



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: 0.082 ppbv

RT: 3.03 min Scan# 77

Delta R.T. -0.01 min

Lab File: VL034148.D

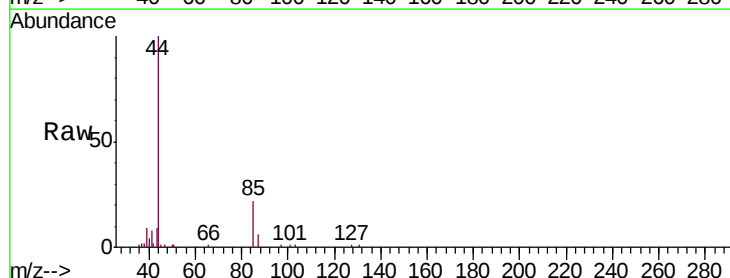
Acq: 10 Sep 2019 18:32

Tgt Ion: 85 Resp: 9544

Ion Ratio Lower Upper

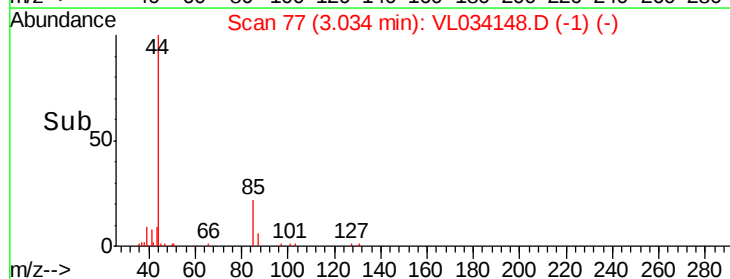
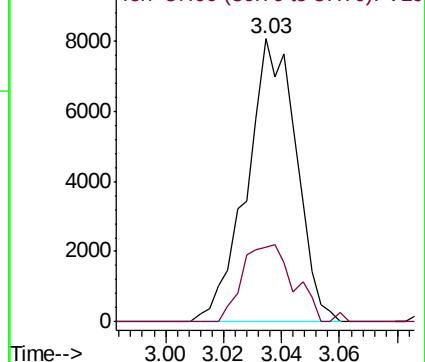
85 100

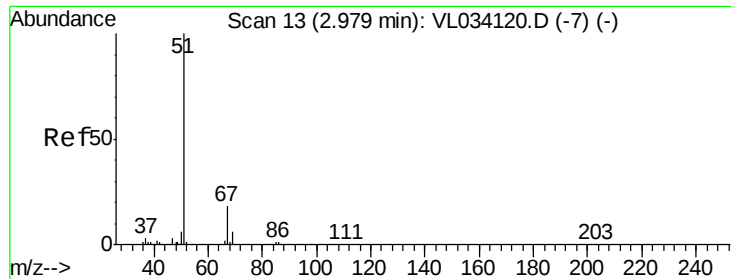
87 26.4 28.6 43.0#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.082 ppbv

RT: 2.91 min Scan# 37

Delta R.T. -0.07 min

Lab File: VL034148.D

Acq: 10 Sep 2019 18:32

Instrument :

MSVOA_L

ClientSampleId :

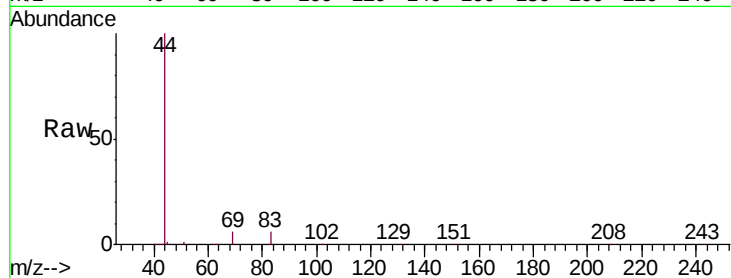
SV3DL

Tgt Ion: 51 Resp: 6465

Ion Ratio Lower Upper

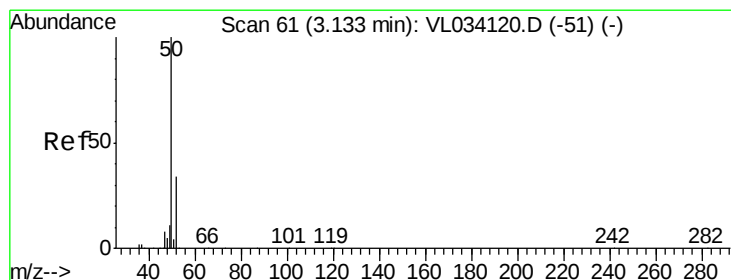
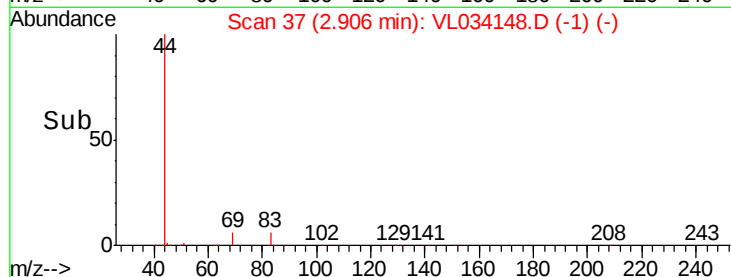
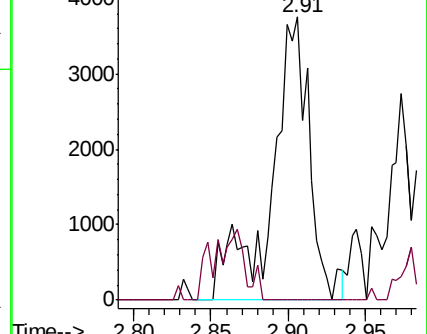
51 100

67 21.1 14.2 21.4



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.130 ppbv

RT: 3.13 min Scan# 106

Delta R.T. -0.01 min

Lab File: VL034148.D

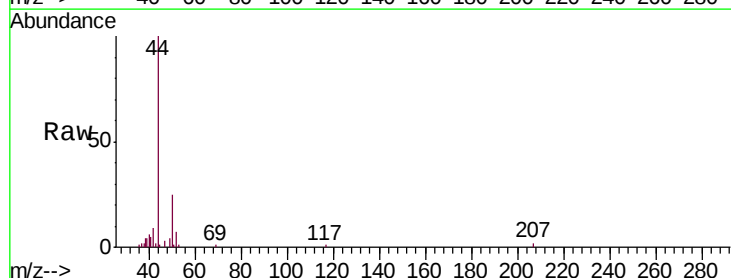
Acq: 10 Sep 2019 18:32

Tgt Ion: 50 Resp: 6398

Ion Ratio Lower Upper

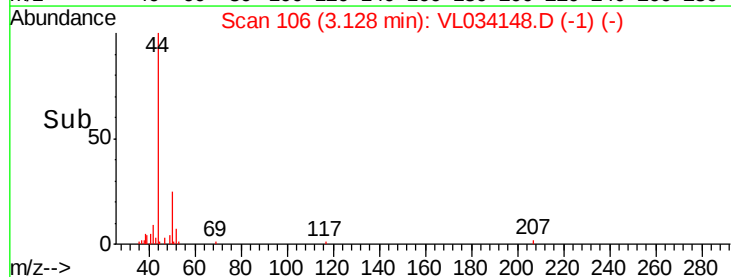
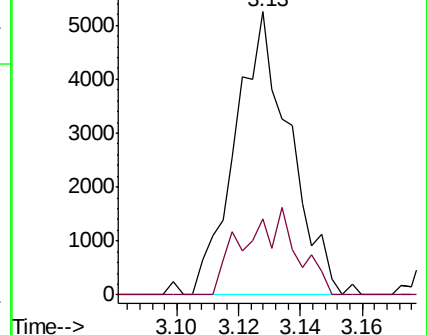
50 100

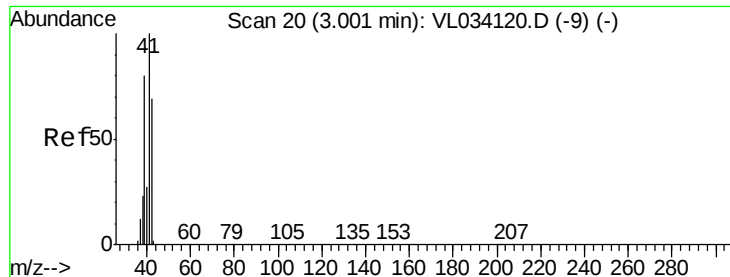
52 27.0 27.4 41.2#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#9

Propene

Concen: 9.878 ppbv

RT: 3.00 min Scan# 65

Delta R.T. -0.01 min

Lab File: VL034148.D

Acq: 10 Sep 2019 18:32

Instrument :

MSVOA_L

ClientSampleId :

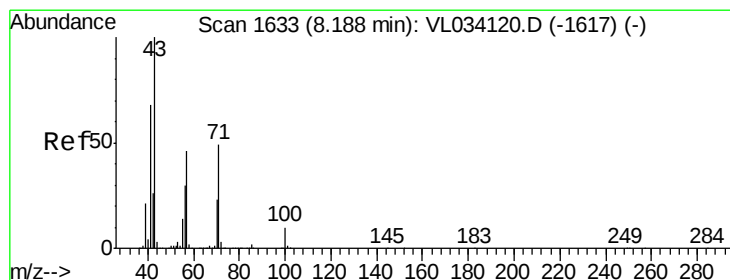
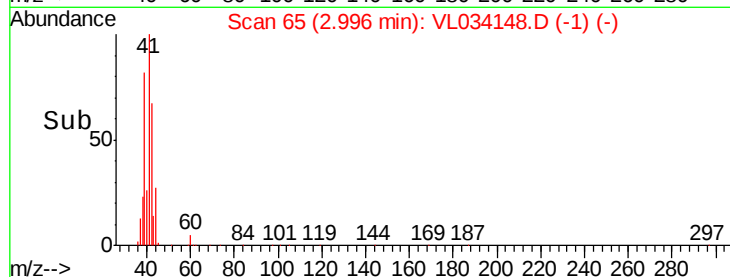
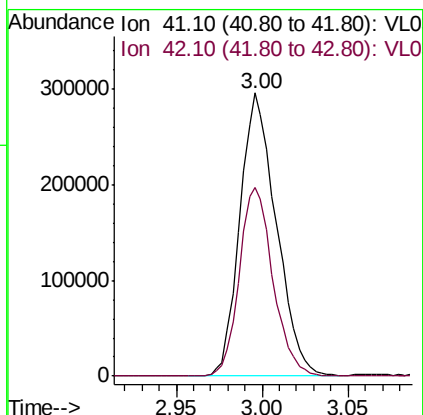
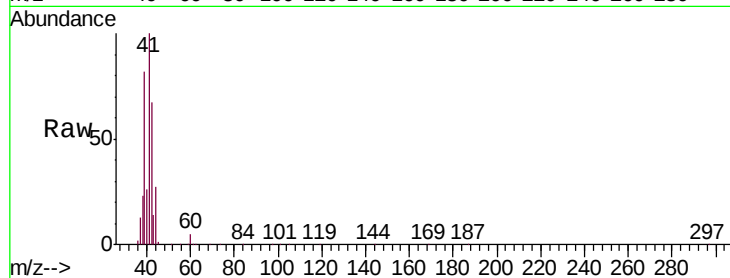
SV3DL

Tgt Ion: 41 Resp: 434141

Ion Ratio Lower Upper

41 100

42 62.0 54.6 81.8



#10

Heptane

Concen: 1.686 ppbv

RT: 8.18 min Scan# 1677

Delta R.T. -0.01 min

Lab File: VL034148.D

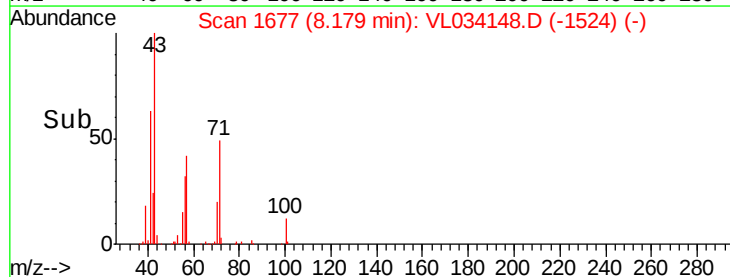
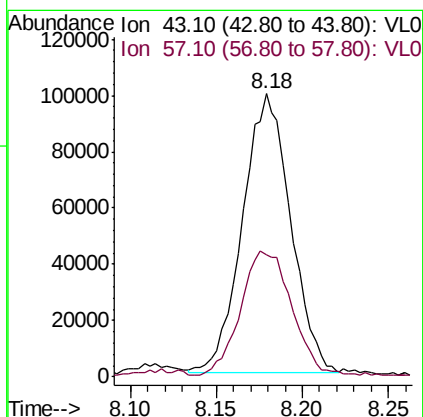
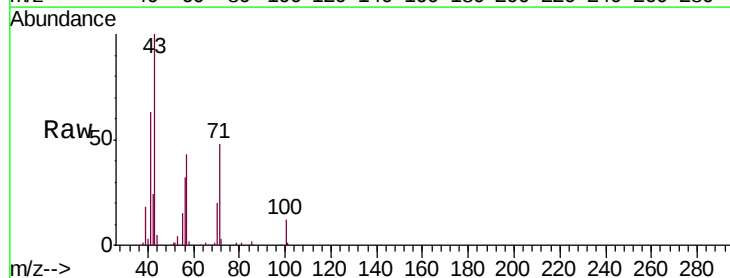
Acq: 10 Sep 2019 18:32

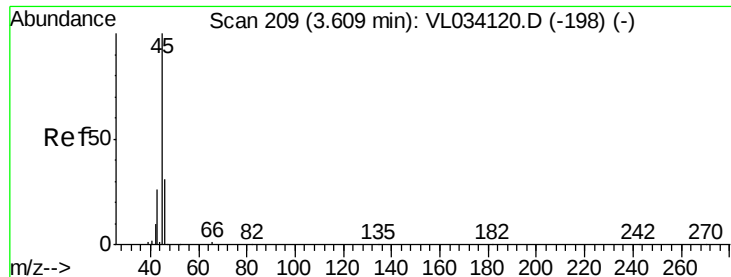
Tgt Ion: 43 Resp: 192247

Ion Ratio Lower Upper

43 100

57 49.0 38.1 57.1





#13

Ethanol

Concen: 12.247 ppbv

RT: 3.60 min Scan# 254

Delta R.T. -0.01 min

Lab File: VL034148.D

Acq: 10 Sep 2019 18:32

Instrument :

MSVOA_L

ClientSampleId :

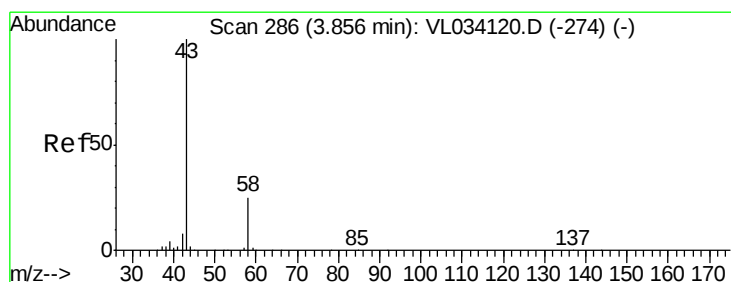
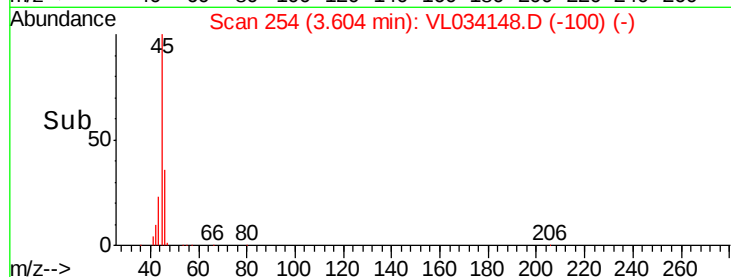
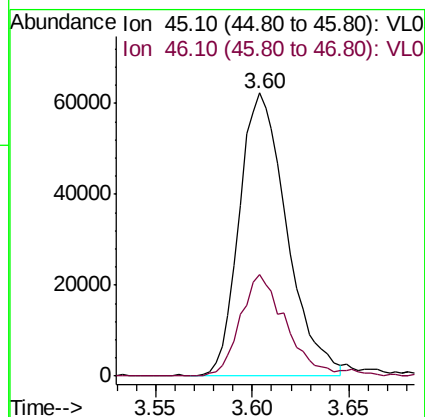
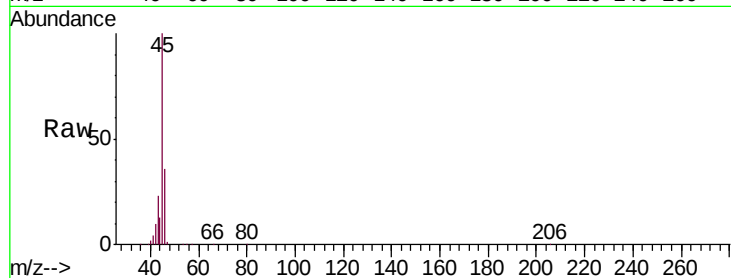
SV3DL

Tgt Ion: 45 Resp: 105444

Ion Ratio Lower Upper

45 100

46 35.8 15.0 60.0



#15

Acetone

Concen: 76.473 ppbv

RT: 3.85 min Scan# 330

Delta R.T. -0.01 min

Lab File: VL034148.D

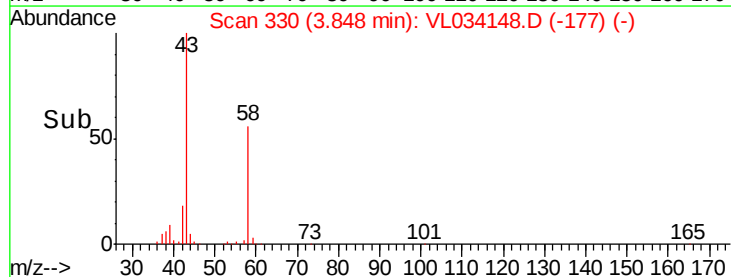
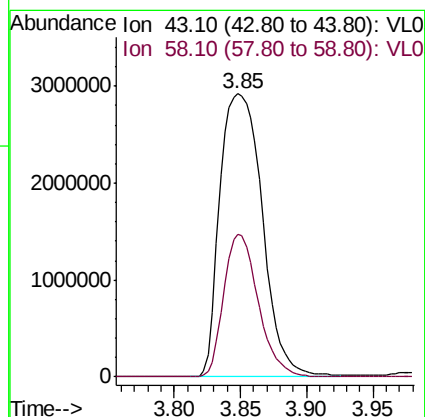
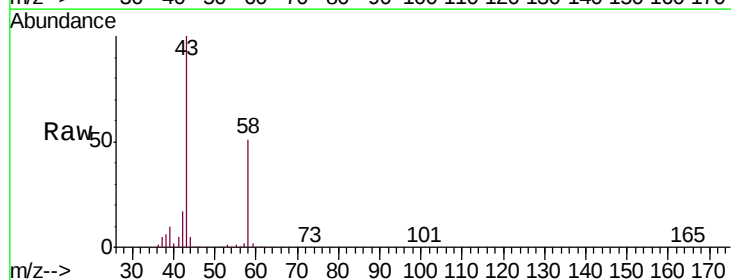
Acq: 10 Sep 2019 18:32

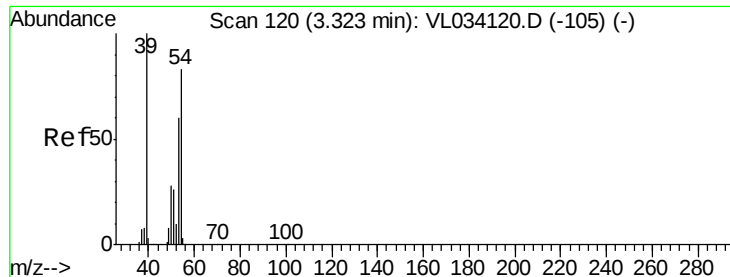
Tgt Ion: 43 Resp: 6494574

Ion Ratio Lower Upper

43 100

58 41.4 20.6 30.8#

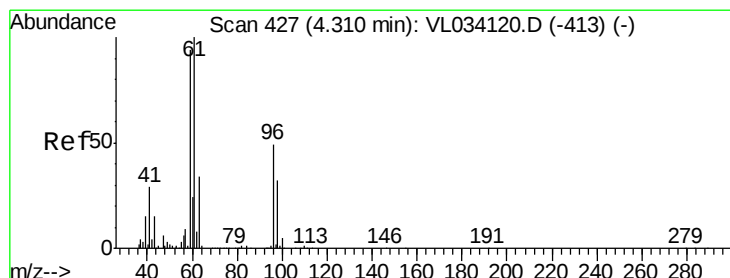
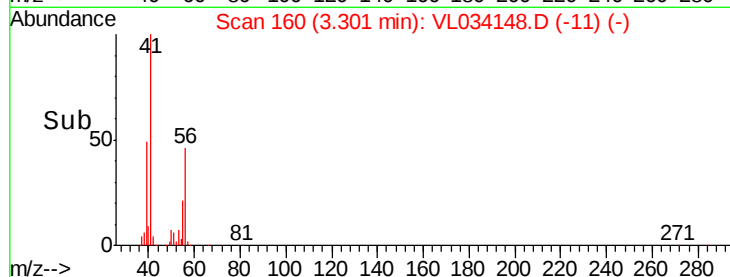
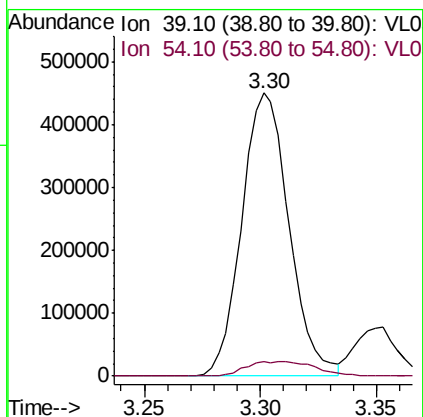
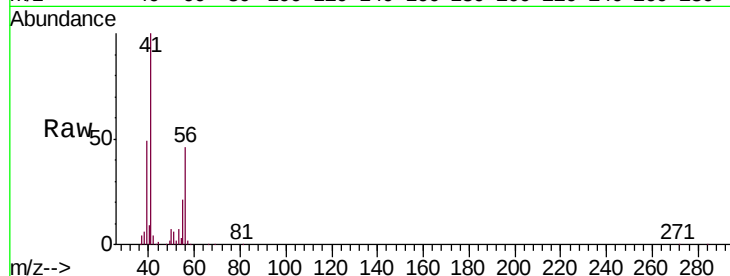




#16
 1,3-Butadiene
 Concen: 14.806 ppbv
 RT: 3.30 min Scan# 160
 Delta R.T. -0.02 min
 Lab File: VL034148.D
 Acq: 10 Sep 2019 18:32

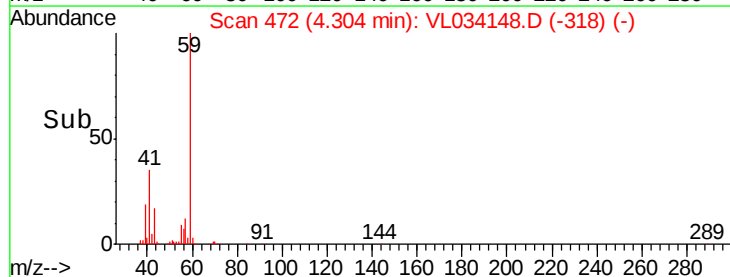
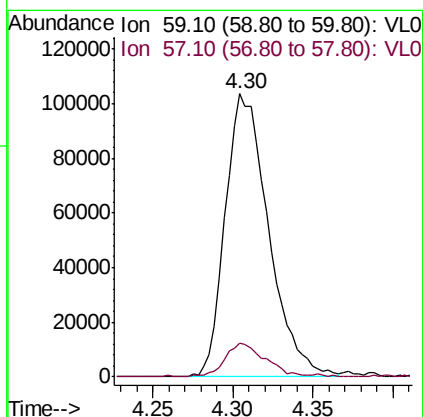
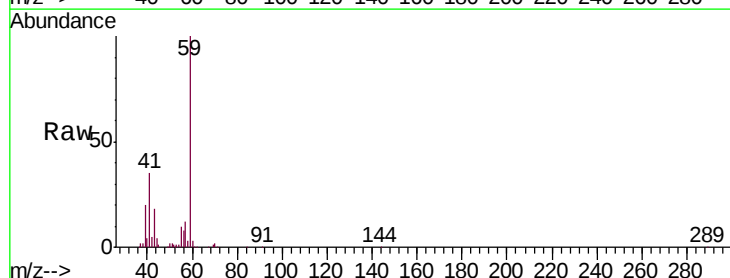
Instrument :
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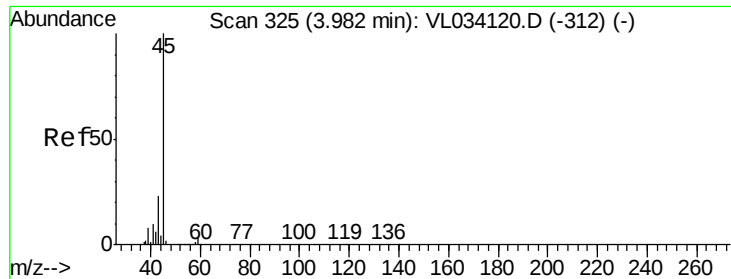
Tgt Ion: 39 Resp: 636784
 Ion Ratio Lower Upper
 39 100
 54 7.9 63.5 95.3#



#17
 tert-Butyl alcohol
 Concen: 3.107 ppbv
 RT: 4.30 min Scan# 472
 Delta R.T. -0.01 min
 Lab File: VL034148.D
 Acq: 10 Sep 2019 18:32

Tgt Ion: 59 Resp: 191582
 Ion Ratio Lower Upper
 59 100
 57 11.8 8.6 12.8





#19

Isopropyl Alcohol

Concen: 4.967 ppbv

RT: 3.98 min Scan# 370

Delta R.T. -0.01 min

Lab File: VL034148.D

Acq: 10 Sep 2019 18:32

Instrument :

MSVOA_L

ClientSampleId :

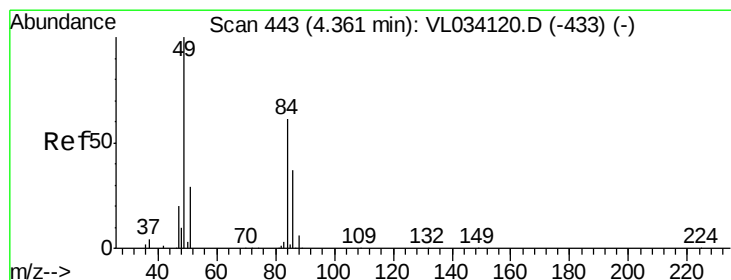
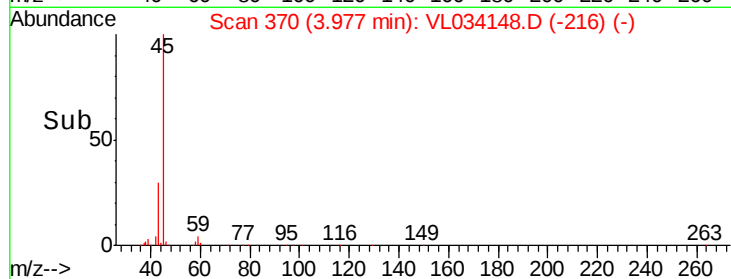
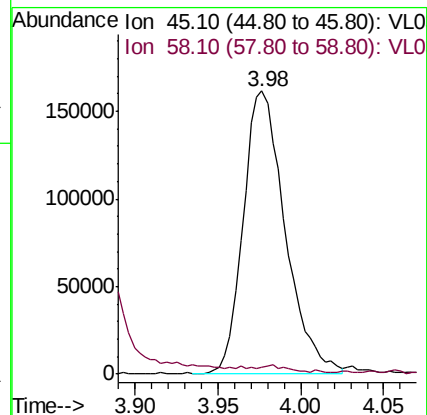
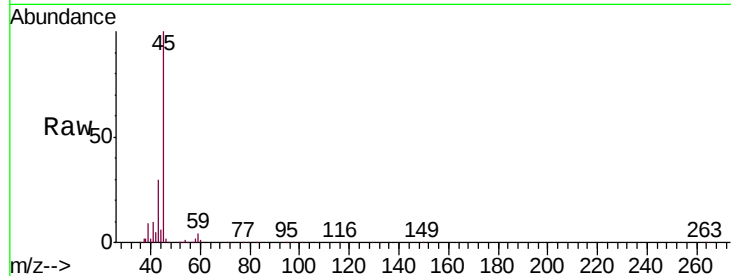
SV3DL

Tgt Ion: 45 Resp: 284744

Ion Ratio Lower Upper

45 100

58 0.0 1.0 1.6#



#20

Methylene Chloride

Concen: 0.377 ppbv

RT: 4.36 min Scan# 490

Delta R.T. 0.00 min

Lab File: VL034148.D

Acq: 10 Sep 2019 18:32

Tgt Ion: 84 Resp: 10592

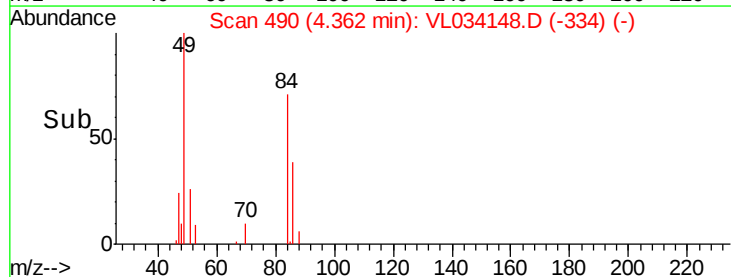
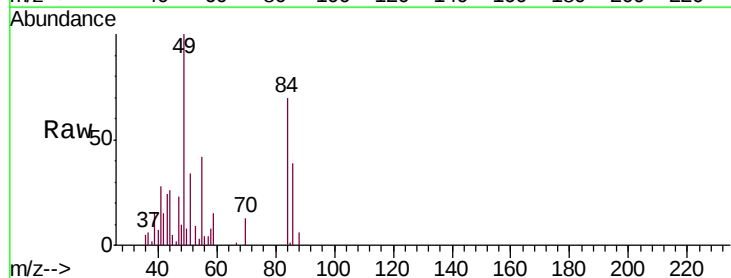
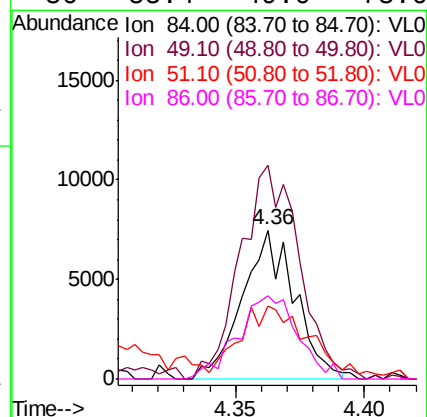
Ion Ratio Lower Upper

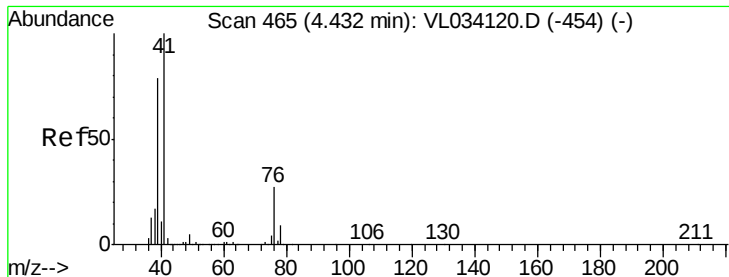
84 100

49 135.2 131.0 196.6

51 43.5 38.1 57.1

86 55.4 49.0 73.6





#21

Allyl Chloride

Concen: 0.060 ppbv

RT: 4.38 min Scan# 496

Delta R.T. -0.05 min

Lab File: VL034148.D

Acq: 10 Sep 2019 18:32

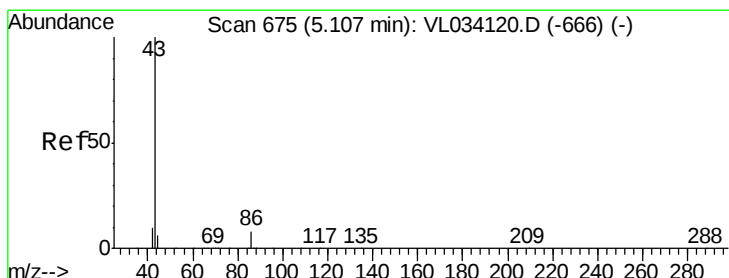
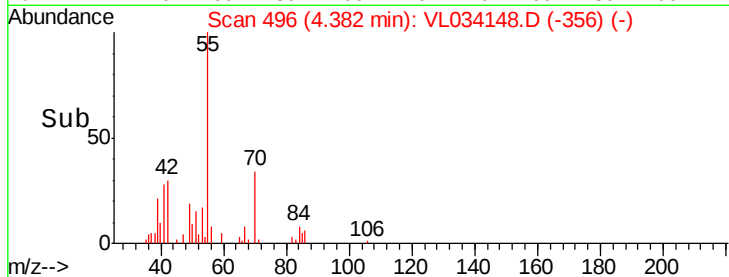
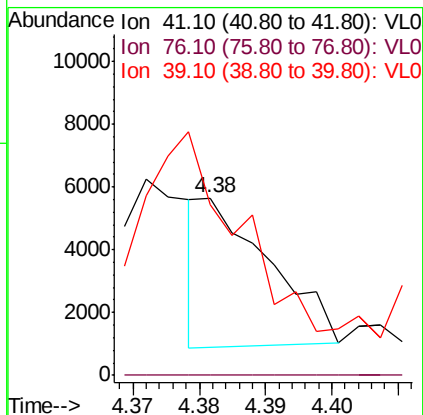
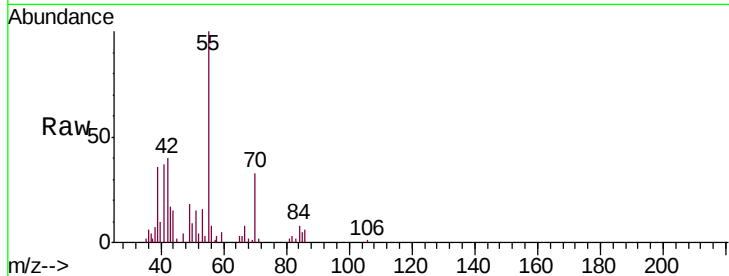
Instrument :

MSVOA_L

ClientSampled :

SV3DL

Tgt Ion:	41	Resp:	3377
Ion	Ratio	Lower	Upper
41	100		
76	0.0	21.6	32.4#
39	391.7	65.0	97.4#



#23

Vinyl Acetate

Concen: 0.220 ppbv

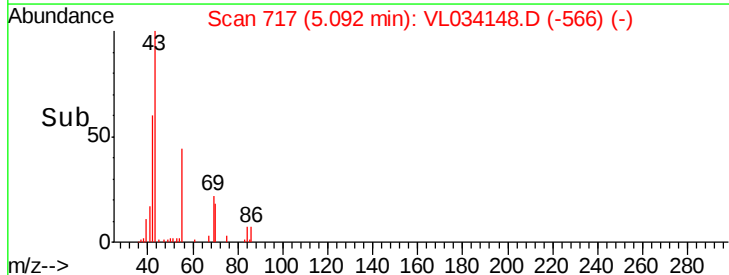
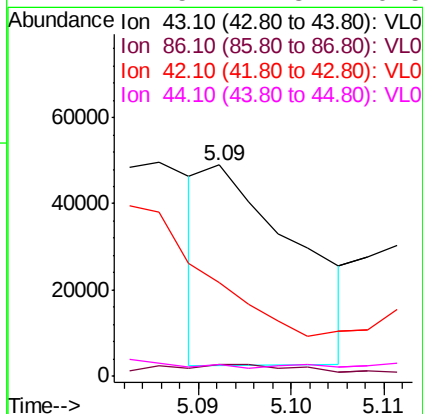
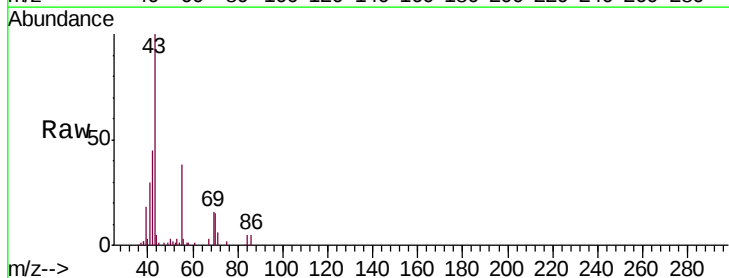
RT: 5.09 min Scan# 717

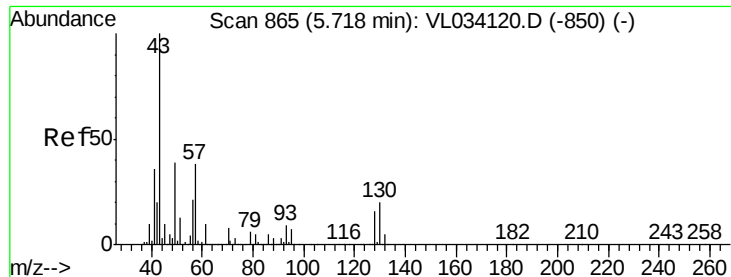
Delta R.T. -0.02 min

Lab File: VL034148.D

Acq: 10 Sep 2019 18:32

Tgt Ion:	43	Resp:	31752
Ion	Ratio	Lower	Upper
43	100		
86	6.9	5.5	8.3
42	48.5	8.2	12.4#
44	2.5	4.3	6.5#

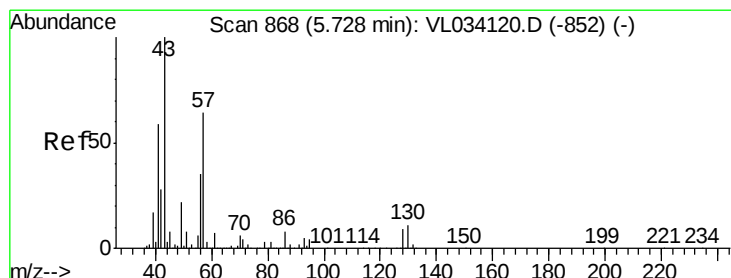
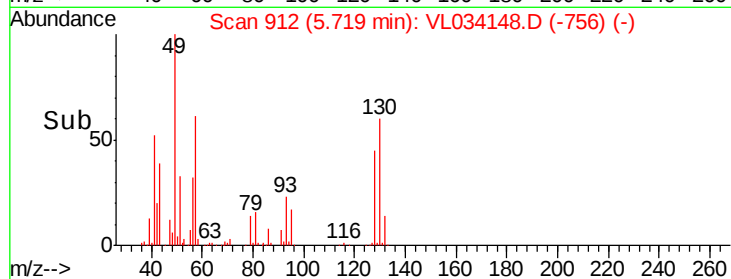
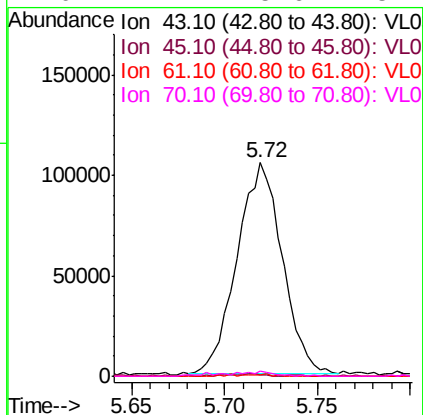
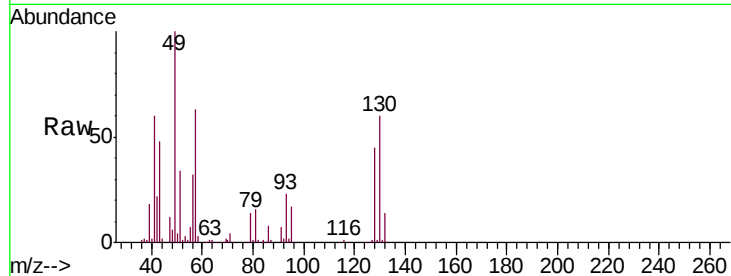




#25
Ethyl Acetate
Concen: 0.951 ppbv
RT: 5.72 min Scan# 912
Delta R.T. 0.00 min
Lab File: VL034148.D
Acq: 10 Sep 2019 18:32

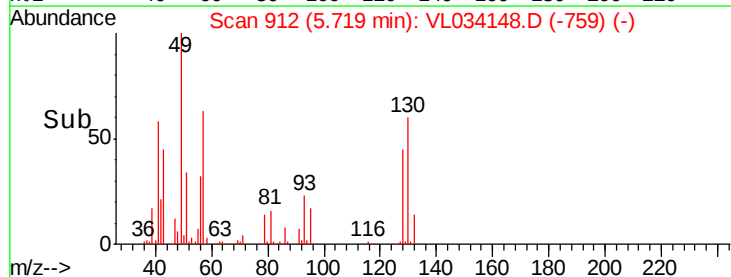
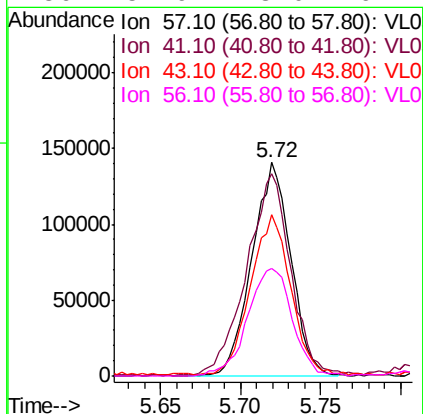
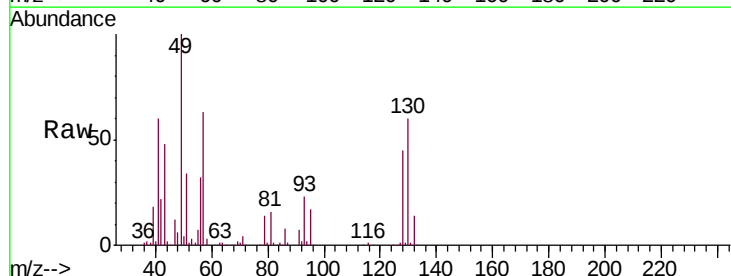
Instrument :
MSVOA_L
ClientSampleId :
SV3DL

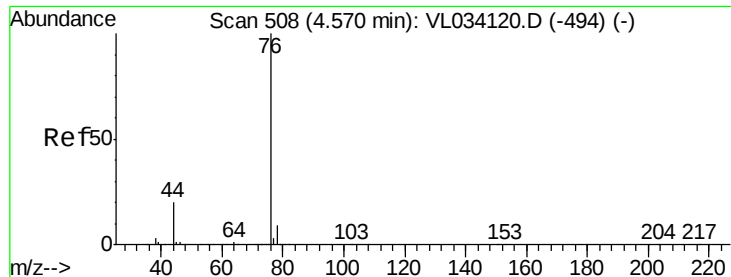
Tgt Ion:	43	Resp:	177277
Ion	Ratio	Lower	Upper
43	100		
45	1.3	8.2	12.4#
61	0.8	7.4	11.2#
70	2.7	5.6	8.4#



#26
Hexane
Concen: 2.834 ppbv
RT: 5.72 min Scan# 912
Delta R.T. -0.01 min
Lab File: VL034148.D
Acq: 10 Sep 2019 18:32

Tgt Ion:	57	Resp:	234923
Ion	Ratio	Lower	Upper
57	100		
41	106.8	76.6	115.0
43	77.8	189.2	283.8#
56	57.9	43.0	64.4





#27

Carbon Disulfide

Concen: 1.212 ppbv

RT: 4.56 min Scan# 553

Delta R.T. -0.01 min

Lab File: VL034148.D

Acq: 10 Sep 2019 18:32

Instrument :

MSVOA_L

ClientSampleId :

SV3DL

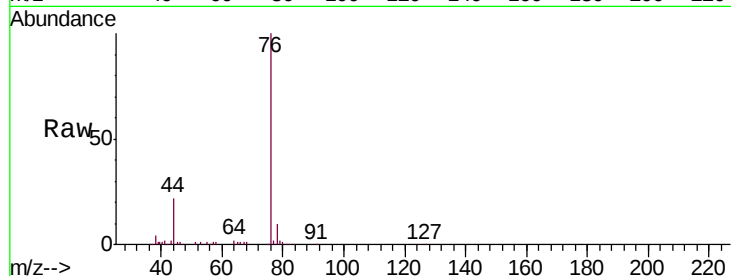
Tgt Ion: 76 Resp: 90696

Ion Ratio Lower Upper

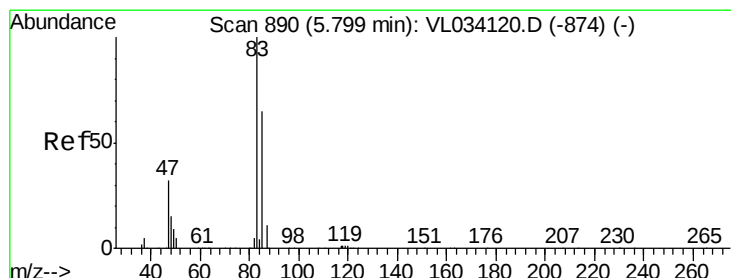
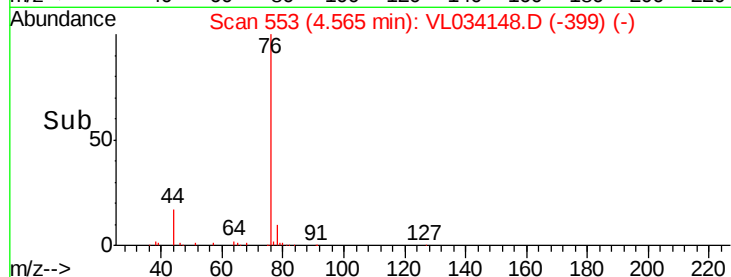
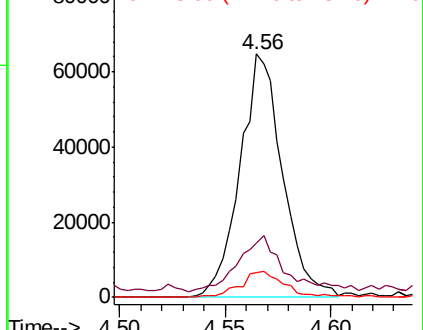
76 100

44 26.0 17.6 26.4

78 11.6 7.3 10.9#



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: 0.099 ppbv

RT: 5.79 min Scan# 935

Delta R.T. -0.01 min

Lab File: VL034148.D

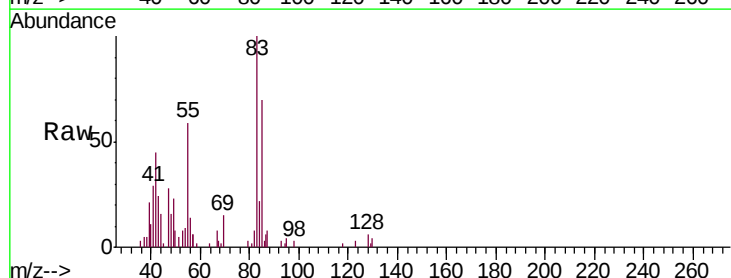
Acq: 10 Sep 2019 18:32

Tgt Ion: 83 Resp: 11053

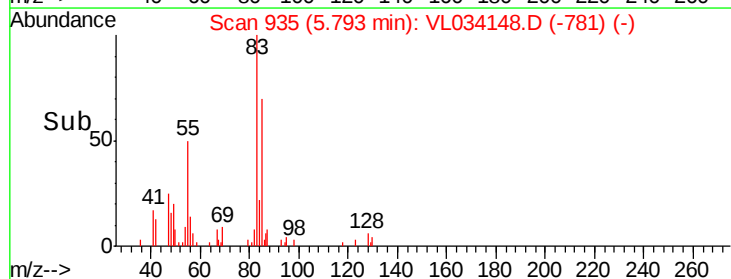
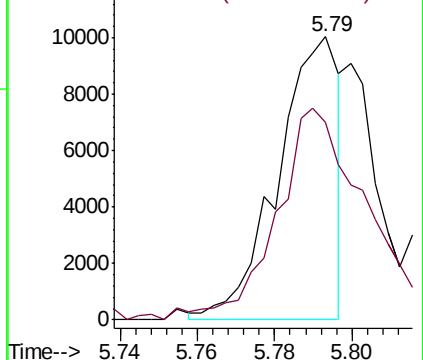
Ion Ratio Lower Upper

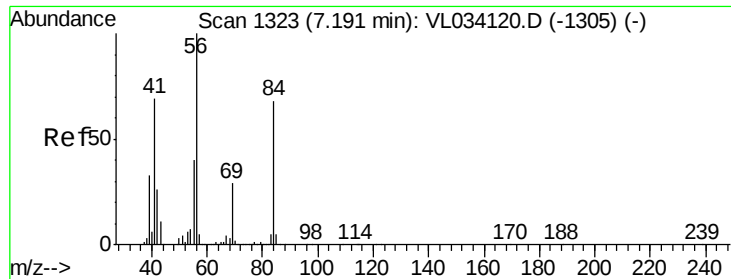
83 100

85 68.3 51.8 77.6



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

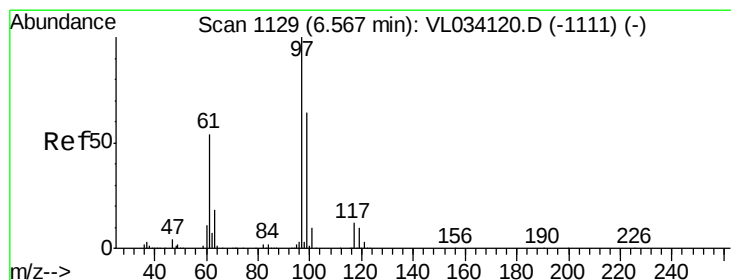
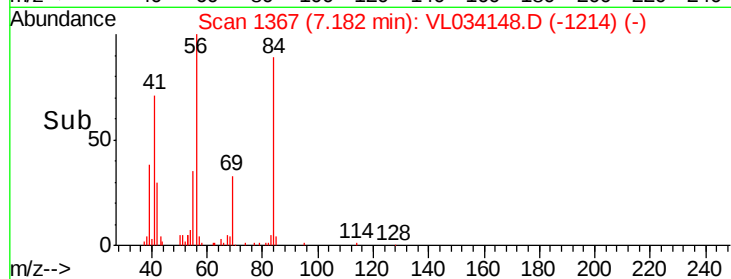
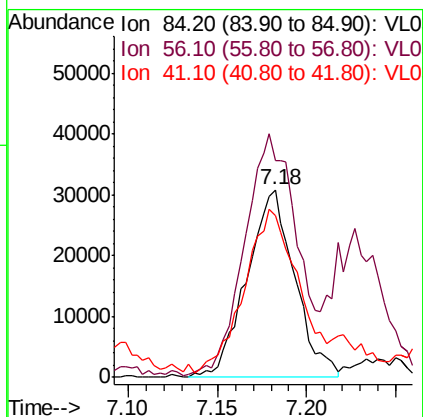
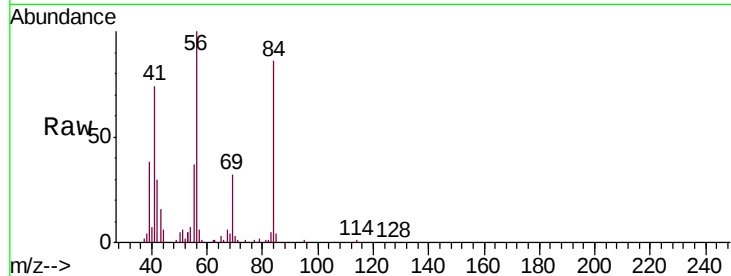




#30
Cyclohexane
Concen: 0.963 ppbv
RT: 7.18 min Scan# 1367
Delta R.T. -0.01 min
Lab File: VL034148.D
Acq: 10 Sep 2019 18:32

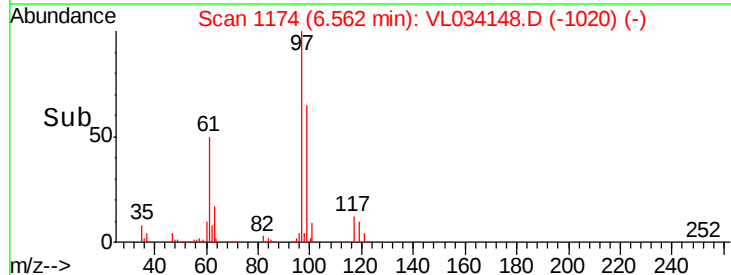
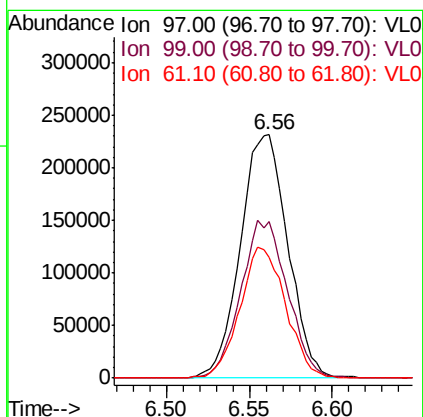
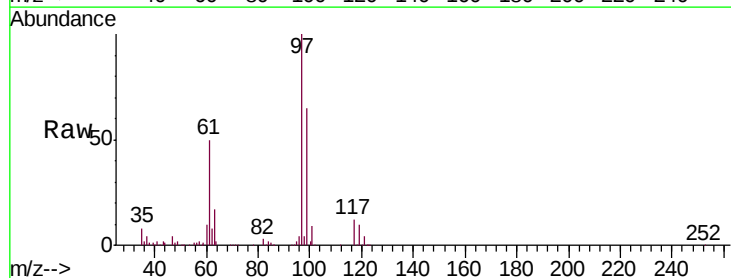
Instrument :
MSVOA_L
ClientSampleId :
SV3DL

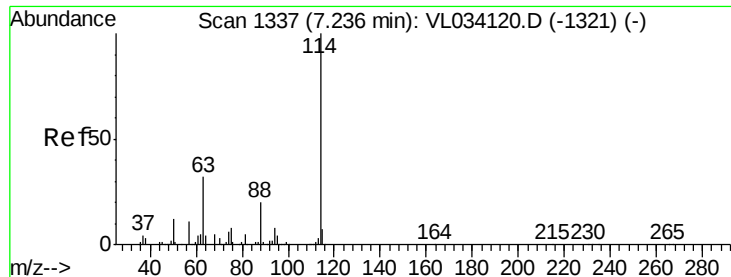
Tgt Ion: 84 Resp: 57712
Ion Ratio Lower Upper
84 100
56 143.4 122.6 183.8
41 111.3 79.1 118.7



#32
1,1,1-Trichloroethane
Concen: 4.347 ppbv
RT: 6.56 min Scan# 1174
Delta R.T. -0.01 min
Lab File: VL034148.D
Acq: 10 Sep 2019 18:32

Tgt Ion: 97 Resp: 459161
Ion Ratio Lower Upper
97 100
99 64.2 51.7 77.5
61 52.1 44.0 66.0

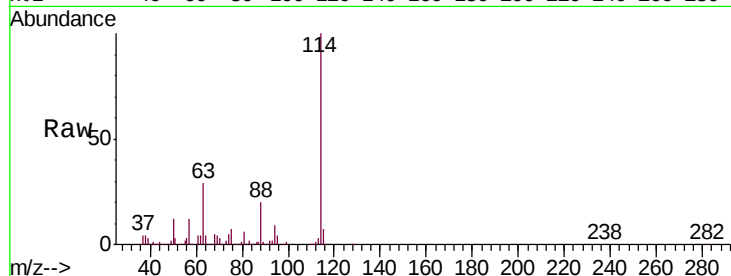




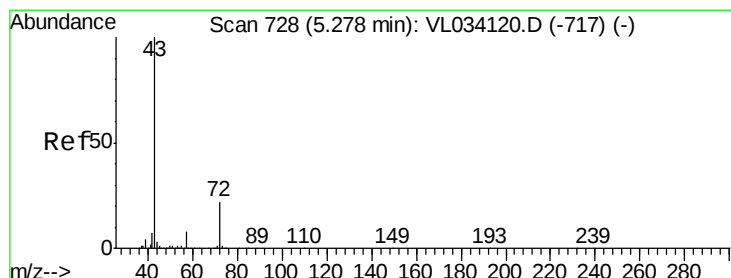
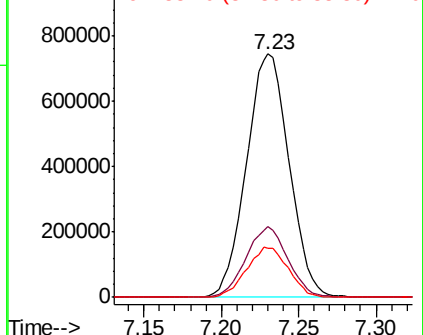
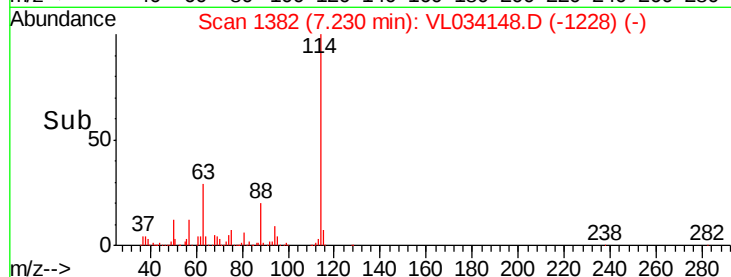
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.23 min Scan# 1382
 Delta R.T. -0.01 min
 Lab File: VL034148.D
 Acq: 10 Sep 2019 18:32

Instrument :
 MSVOA_L
 ClientSampleId :
 SV3DL

Tgt Ion: 114 Resp: 1430397
 Ion Ratio Lower Upper
 114 100
 63 28.3 25.5 38.3
 88 20.2 16.8 25.2

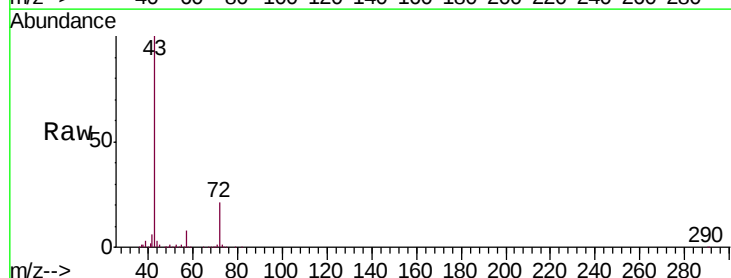


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

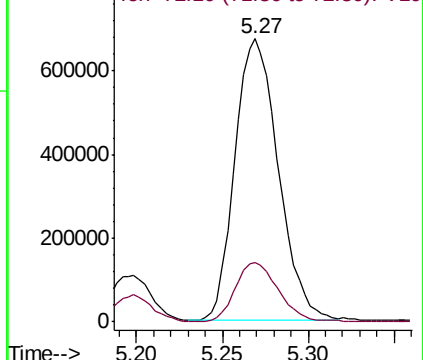
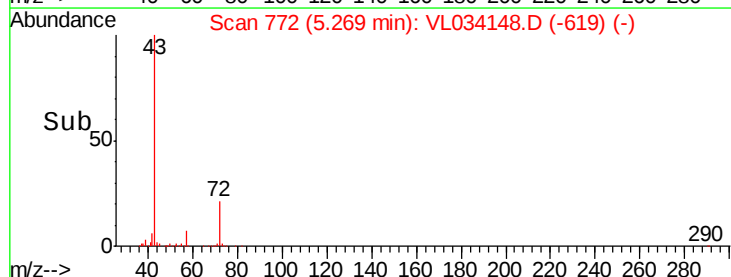


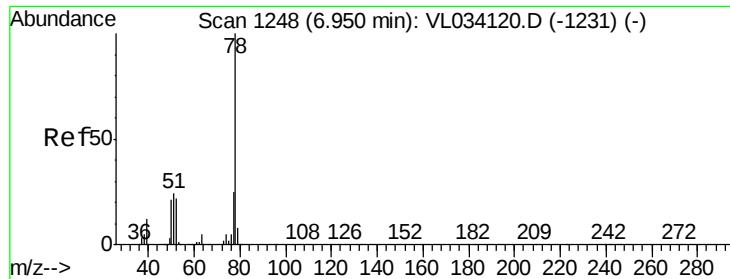
#34
 2-Butanone
 Concen: 8.614 ppbv
 RT: 5.27 min Scan# 772
 Delta R.T. -0.01 min
 Lab File: VL034148.D
 Acq: 10 Sep 2019 18:32

Tgt Ion: 43 Resp: 1184568
 Ion Ratio Lower Upper
 43 100
 72 21.1 16.5 24.7



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





#36

Benzene

Concen: 0.657 ppbv

RT: 6.94 min Scan# 1292

Delta R.T. -0.01 min

Lab File: VL034148.D

Acq: 10 Sep 2019 18:32

Instrument :

MSVOA_L

ClientSampleId :

SV3DL

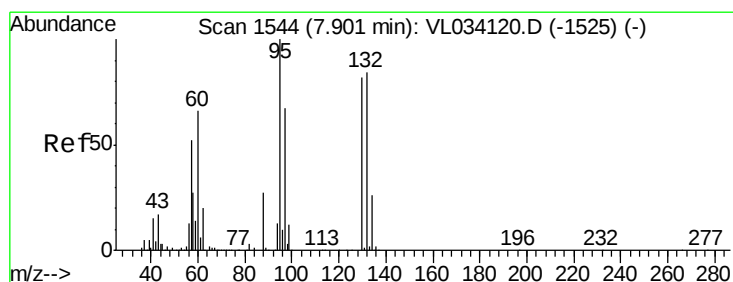
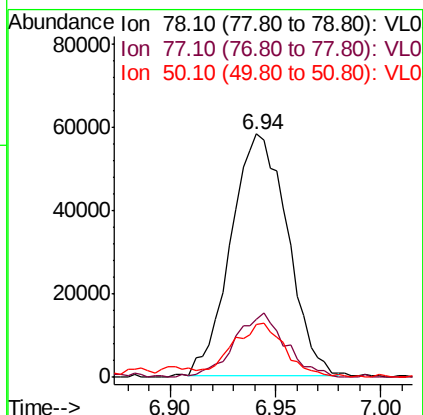
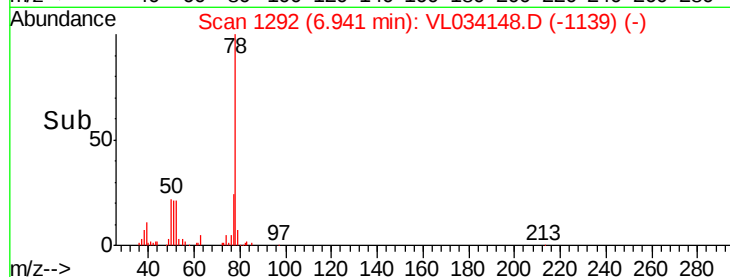
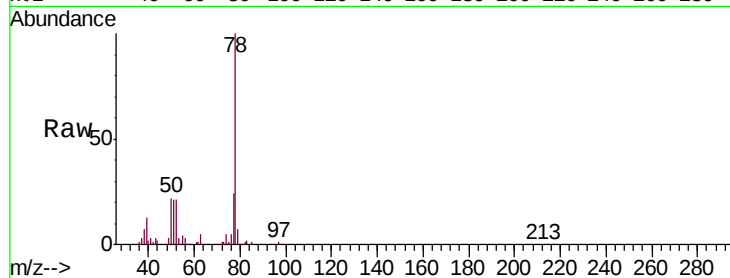
Tgt Ion: 78 Resp: 107475

Ion Ratio Lower Upper

78 100

77 24.2 20.3 30.5

50 21.1 16.9 25.3



#38

Trichloroethene

Concen: 0.221 ppbv

RT: 7.90 min Scan# 1589

Delta R.T. -0.01 min

Lab File: VL034148.D

Acq: 10 Sep 2019 18:32

Tgt Ion: 130 Resp: 13467

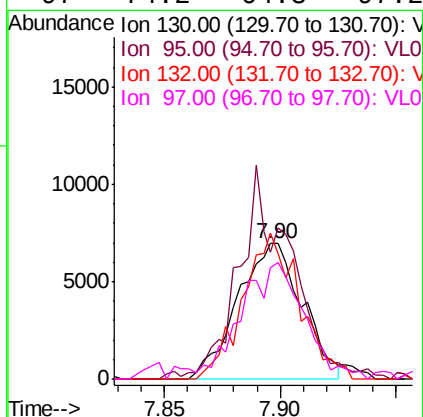
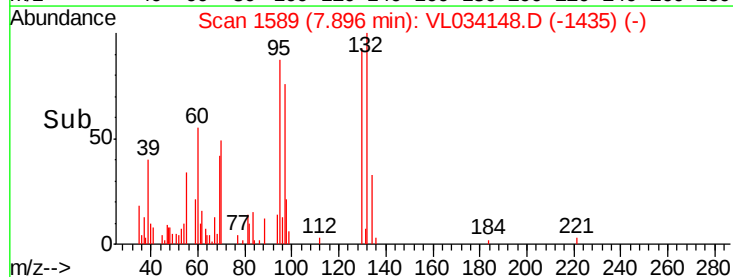
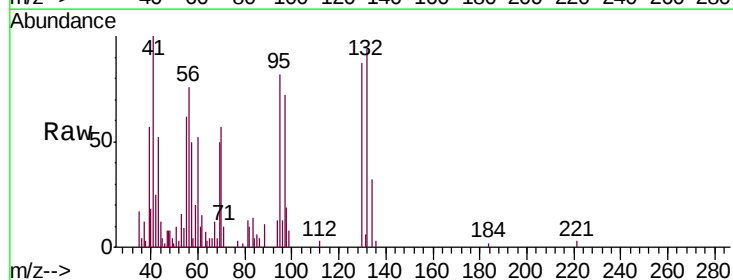
Ion Ratio Lower Upper

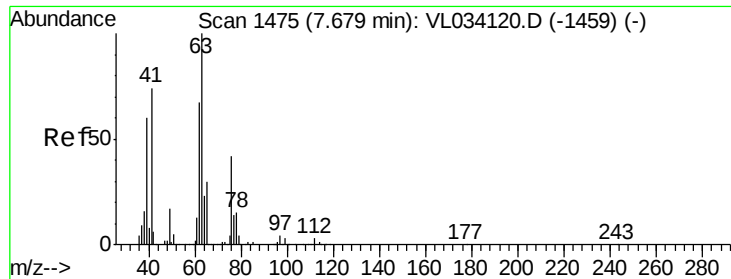
130 100

95 88.9 97.2 145.8#

132 107.7 81.4 122.2

97 74.2 64.8 97.2





#39

1,2-Dichloropropane

Concen: 5.756 ppbv

RT: 7.23 min Scan# 1382

Delta R.T. -0.45 min

Lab File: VL034148.D

Acq: 10 Sep 2019 18:32

Instrument :

MSVOA_L

ClientSampleId :

SV3DL

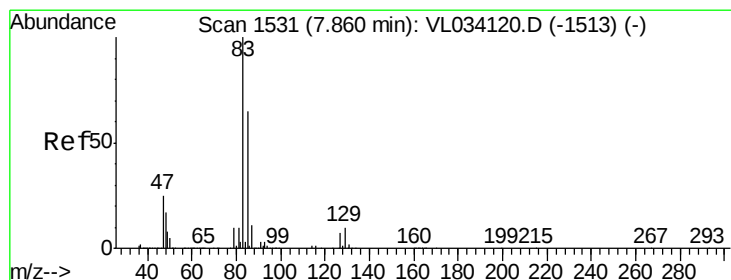
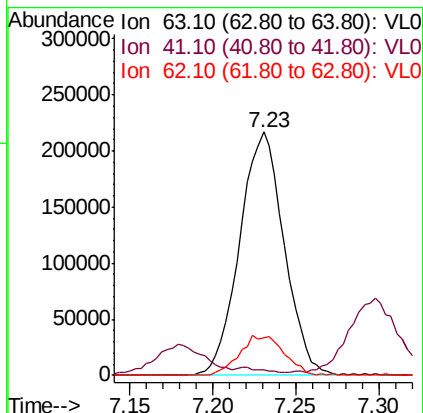
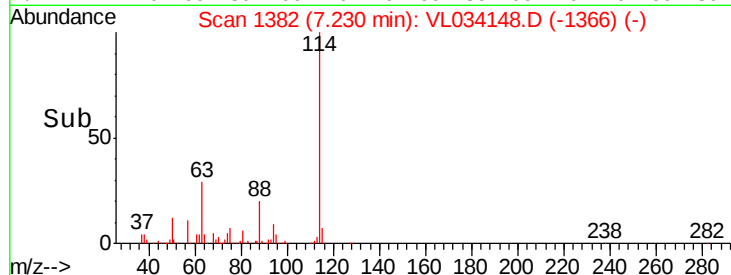
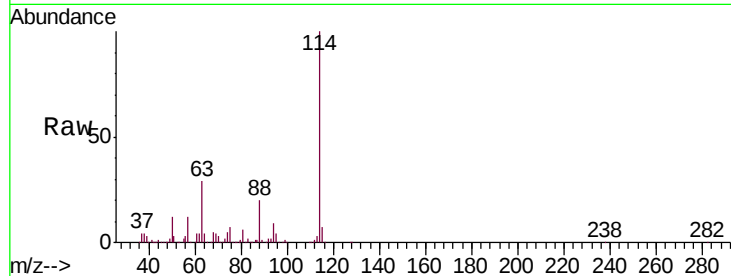
Tgt Ion: 63 Resp: 402746

Ion Ratio Lower Upper

63 100

41 0.0 59.3 88.9#

62 15.2 53.8 80.6#



#42

Bromodichloromethane

Concen: 0.040 ppbv

RT: 7.86 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VL034148.D

Acq: 10 Sep 2019 18:32

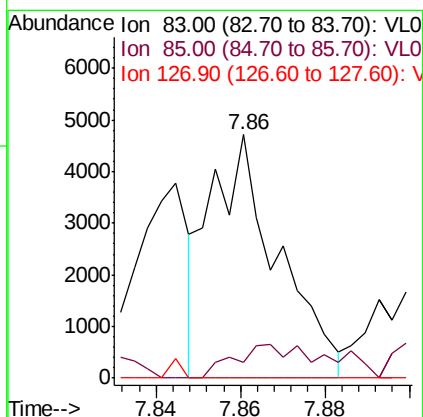
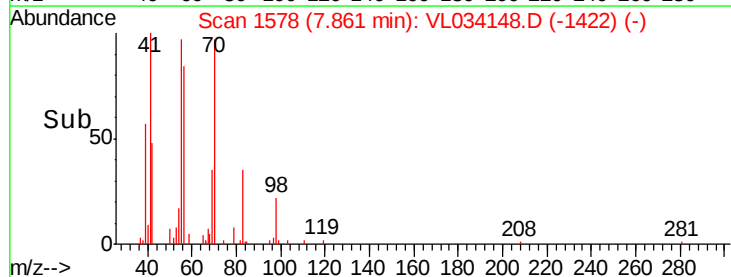
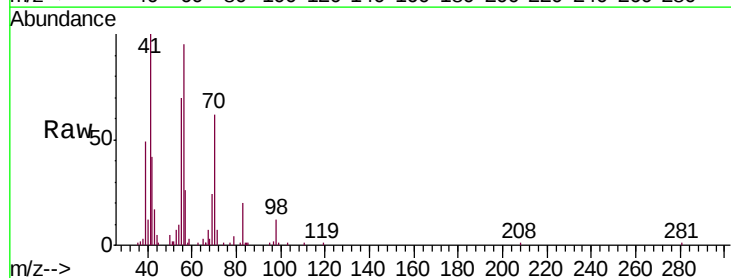
Tgt Ion: 83 Resp: 5215

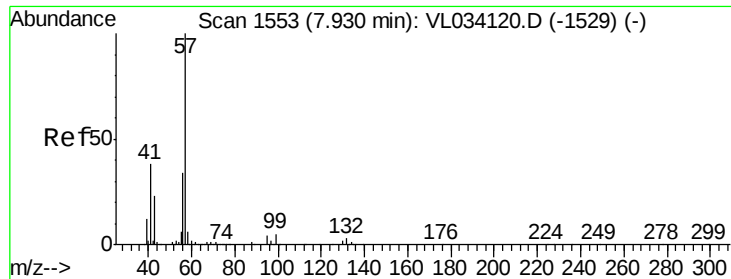
Ion Ratio Lower Upper

83 100

85 7.1 51.6 77.4#

127 0.0 5.4 8.0#

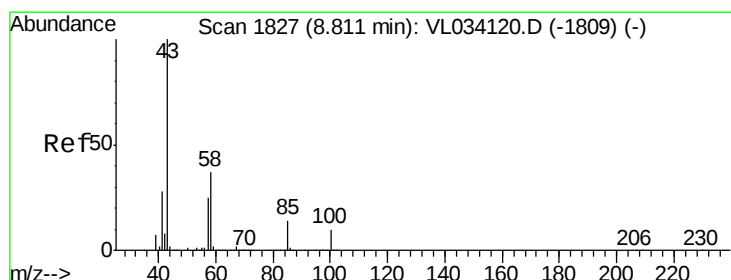
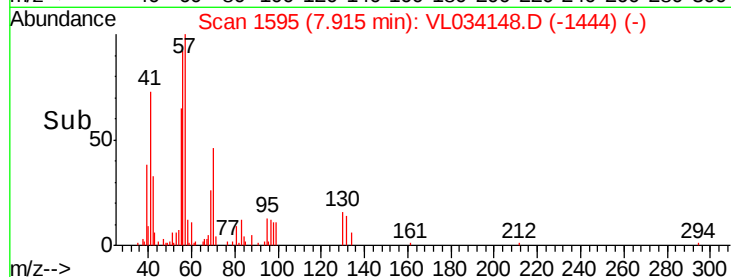
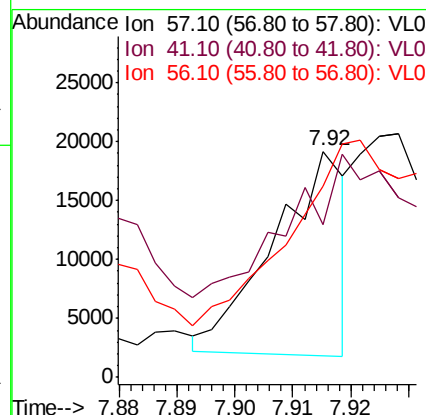
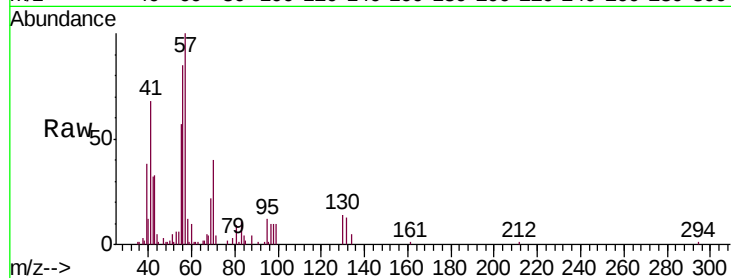




#44
 2,2,4-Trimethylpentane
 Concen: 0.049 ppbv
 RT: 7.92 min Scan# 1595
 Delta R.T. -0.02 min
 Lab File: VL034148.D
 Acq: 10 Sep 2019 18:32

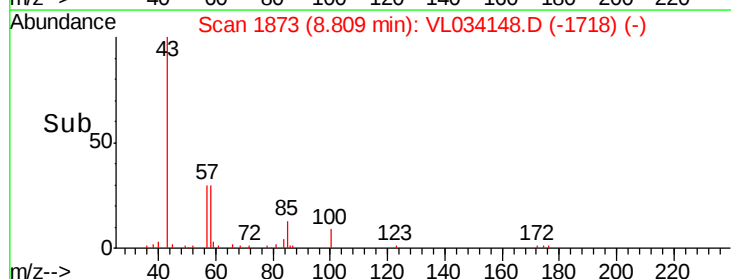
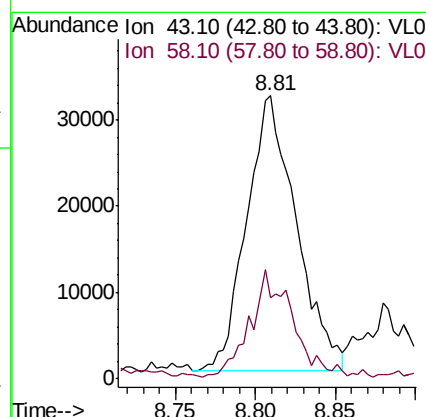
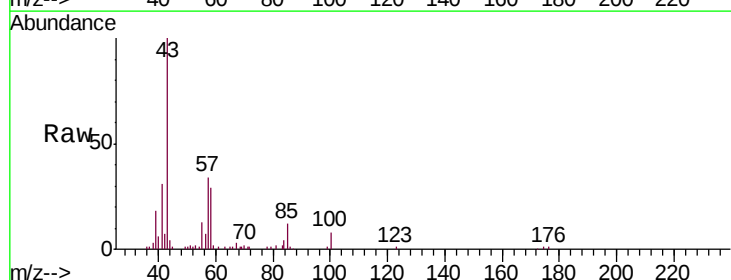
Instrument :
 MSVOA_L
 ClientSampleId :
 SV3DL

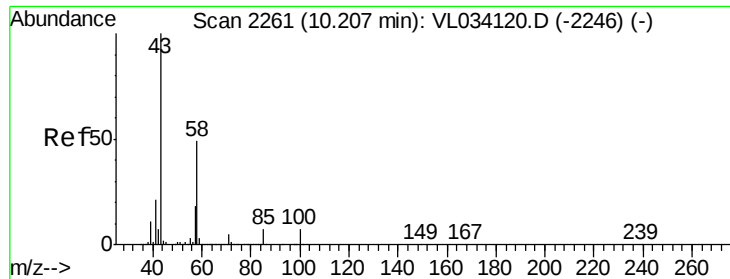
Tgt Ion: 57 Resp: 14810
 Ion Ratio Lower Upper
 57 100
 41 248.6 28.4 42.6#
 56 282.2 26.3 39.5#



#50
 4-Methyl-2-Pentanone
 Concen: 0.324 ppbv
 RT: 8.81 min Scan# 1873
 Delta R.T. -0.00 min
 Lab File: VL034148.D
 Acq: 10 Sep 2019 18:32

Tgt Ion: 43 Resp: 67942
 Ion Ratio Lower Upper
 43 100
 58 33.9 28.5 42.7

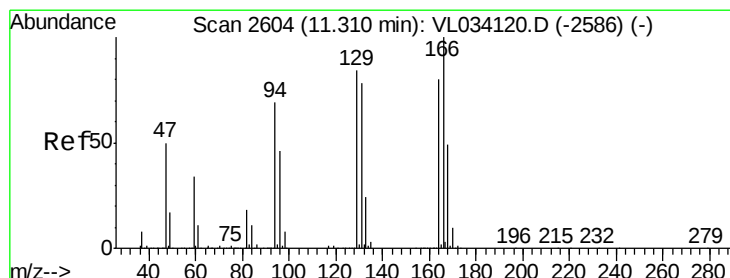
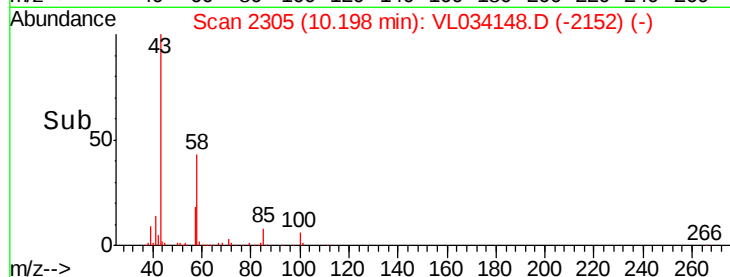
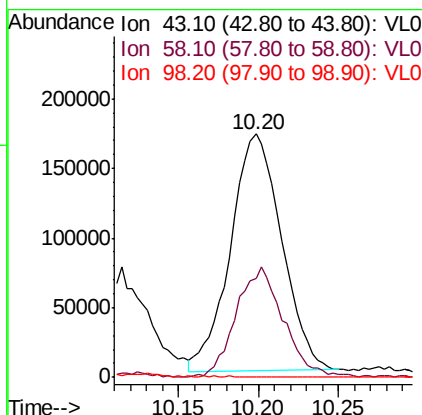
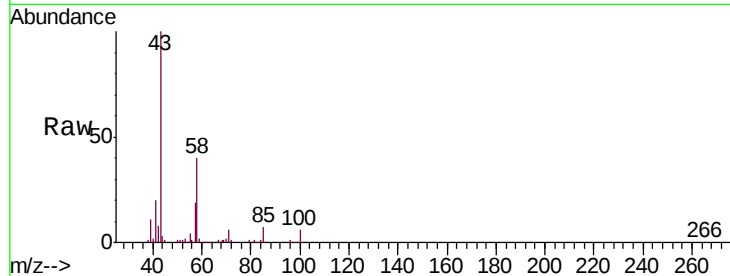




#51
2-Hexanone
Concen: 2.048 ppbv
RT: 10.20 min Scan# 2305
Delta R.T. -0.01 min
Lab File: VL034148.D
Acq: 10 Sep 2019 18:32

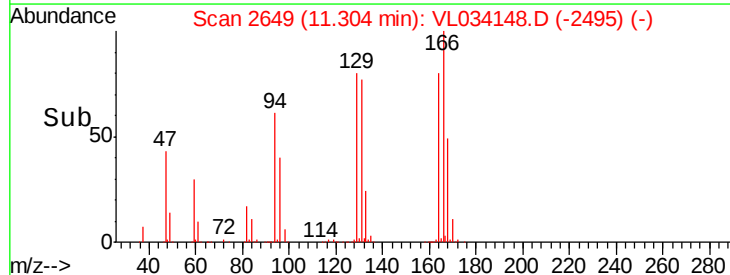
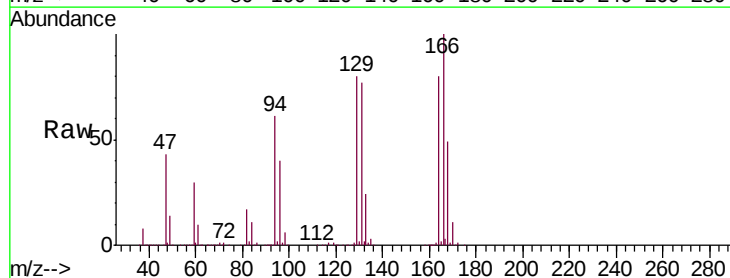
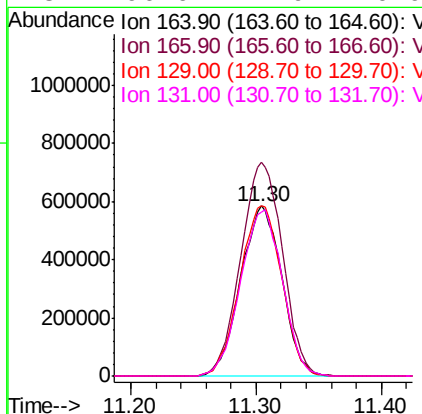
Instrument :
MSVOA_L
ClientSampleId :
SV3DL

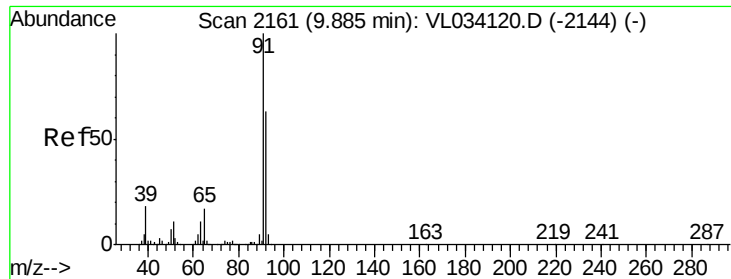
Tgt Ion: 43 Resp: 371221
Ion Ratio Lower Upper
43 100
58 43.7 38.2 57.2
98 0.6 0.1 0.1#



#52
Tetrachloroethene
Concen: 23.149 ppbv
RT: 11.30 min Scan# 2649
Delta R.T. -0.01 min
Lab File: VL034148.D
Acq: 10 Sep 2019 18:32

Tgt Ion: 164 Resp: 1334613
Ion Ratio Lower Upper
164 100
166 125.5 99.5 149.3
129 99.8 83.6 125.4
131 96.6 77.9 116.9





#53

Toluene

Concen: 2.003 ppbv

RT: 9.88 min Scan# 2205

Delta R.T. -0.01 min

Lab File: VL034148.D

Acq: 10 Sep 2019 18:32

Instrument :

MSVOA_L

ClientSampleId :

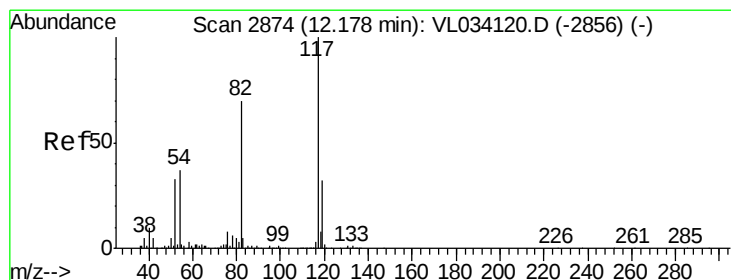
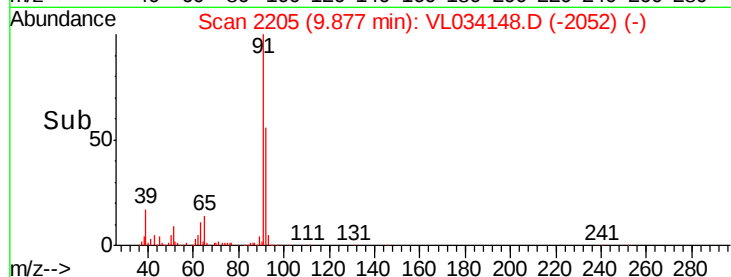
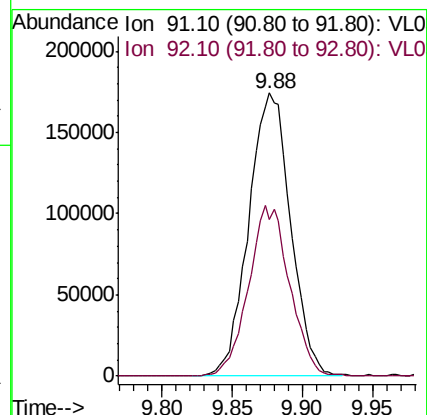
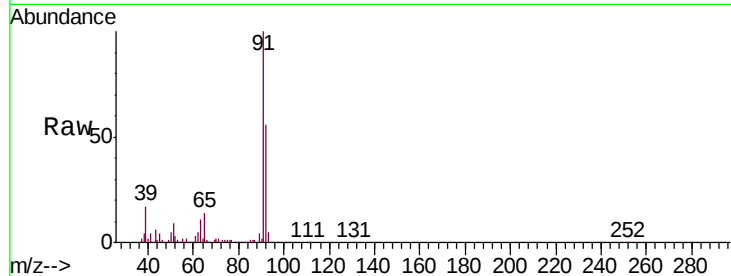
SV3DL

Tgt Ion: 91 Resp: 362265

Ion Ratio Lower Upper

91 100

92 59.0 49.3 73.9



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.17 min Scan# 2918

Delta R.T. -0.01 min

Lab File: VL034148.D

Acq: 10 Sep 2019 18:32

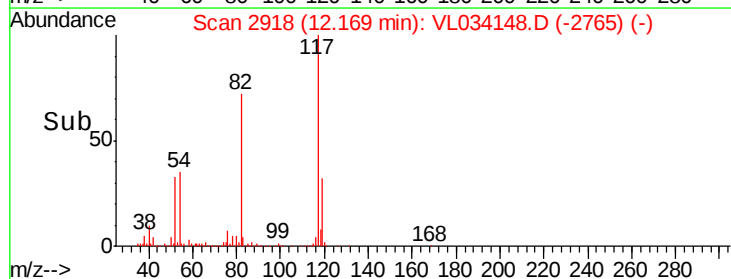
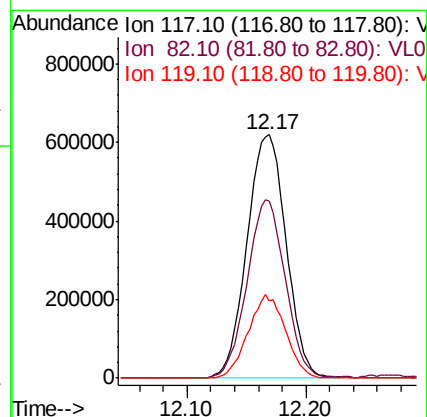
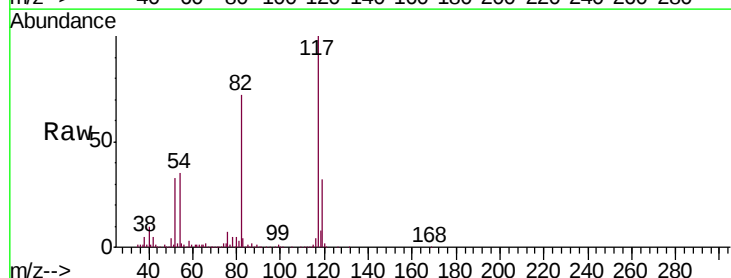
Tgt Ion: 117 Resp: 1409936

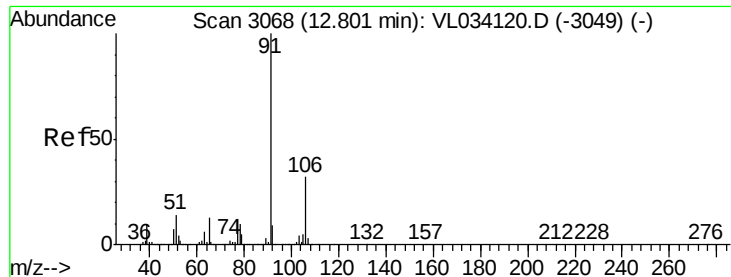
Ion Ratio Lower Upper

117 100

82 71.3 55.8 83.6

119 32.8 43.1 64.7#





#58

Ethyl Benzene

Concen: 0.319 ppbv

RT: 12.79 min Scan# 3110

Delta R.T. -0.02 min

Lab File: VL034148.D

Acq: 10 Sep 2019 18:32

Instrument :

MSVOA_L

ClientSampled :

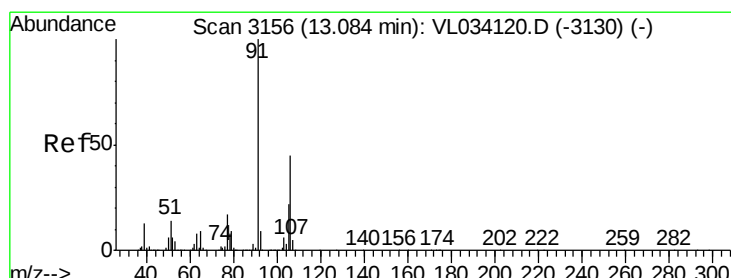
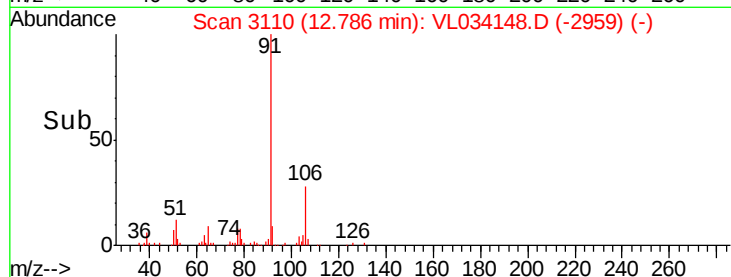
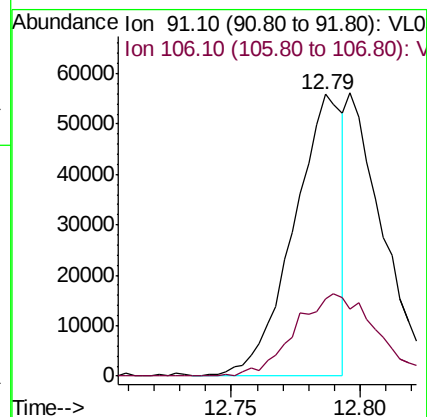
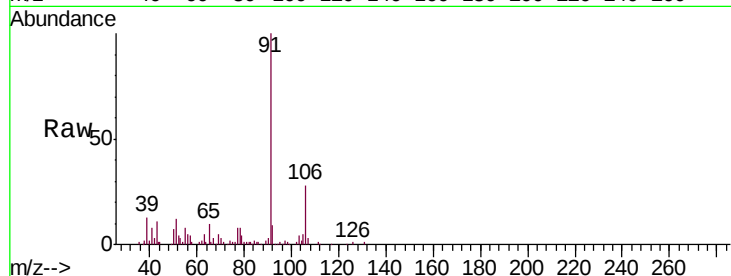
SV3DL

Tgt Ion: 91 Resp: 73773

Ion Ratio Lower Upper

91 100

106 27.6 25.3 37.9



#59

m/p-Xylene

Concen: 2.026 ppbv

RT: 13.05 min Scan# 3191

Delta R.T. -0.04 min

Lab File: VL034148.D

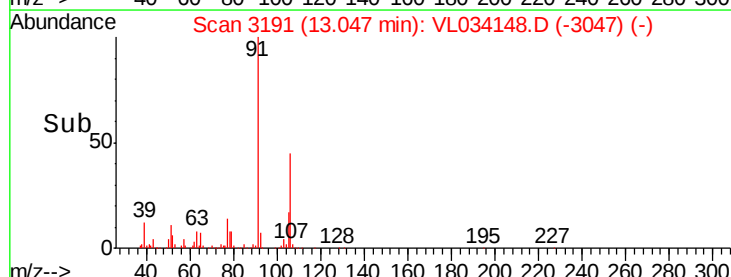
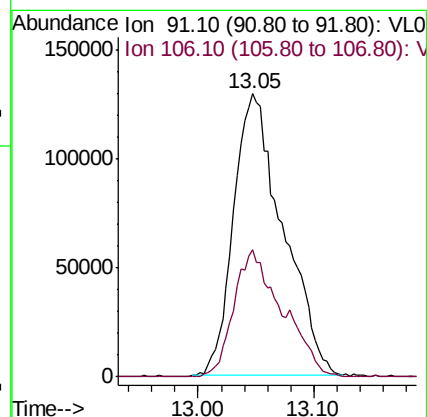
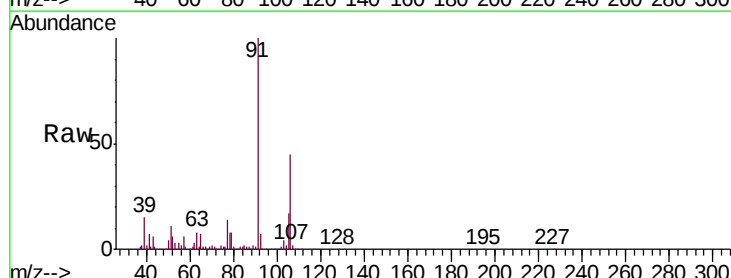
Acq: 10 Sep 2019 18:32

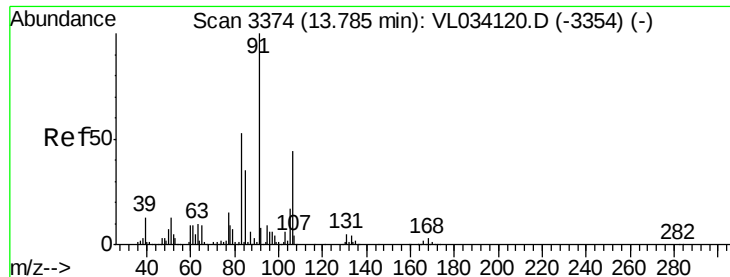
Tgt Ion: 91 Resp: 382191

Ion Ratio Lower Upper

91 100

106 44.1 35.4 53.2

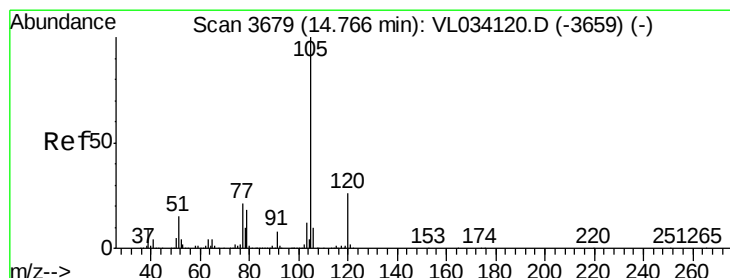
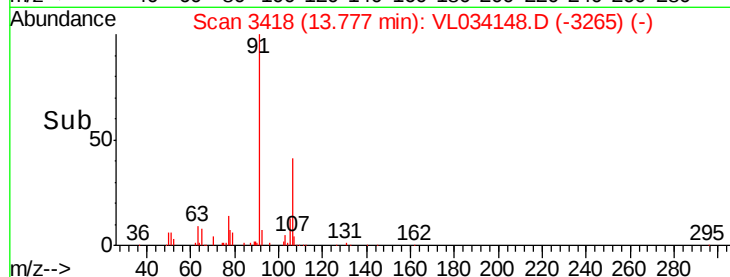
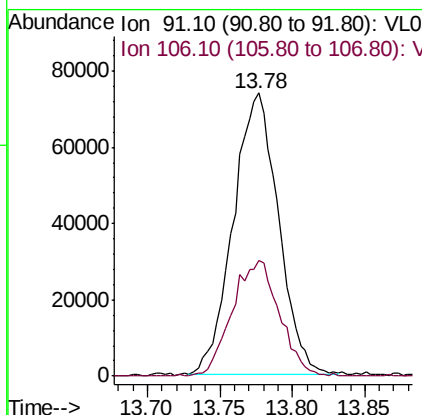
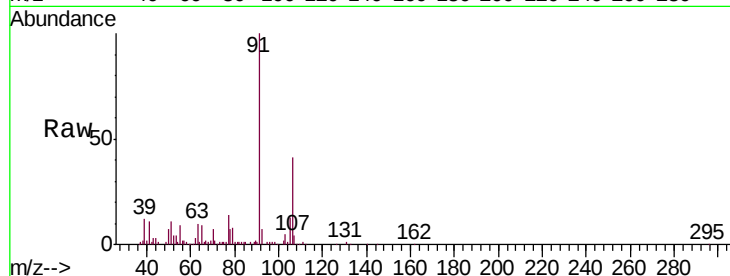




#60
o-Xylene
Concen: 0.850 ppbv
RT: 13.78 min Scan# 3418
Delta R.T. -0.01 min
Lab File: VL034148.D
Acq: 10 Sep 2019 18:32

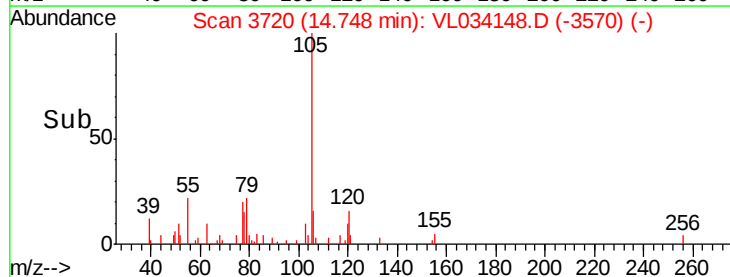
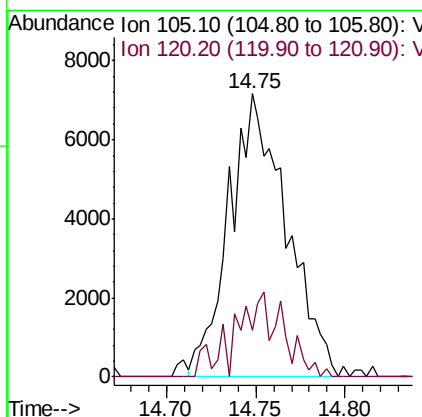
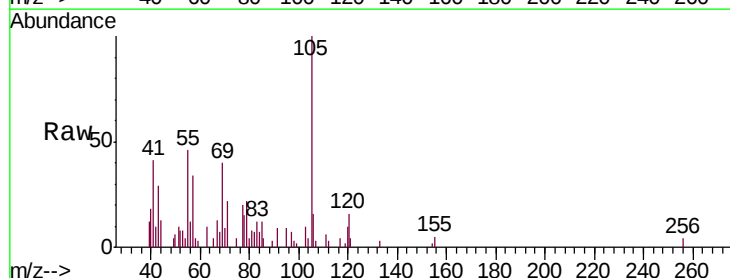
Instrument :
MSVOA_L
ClientSampleId :
SV3DL

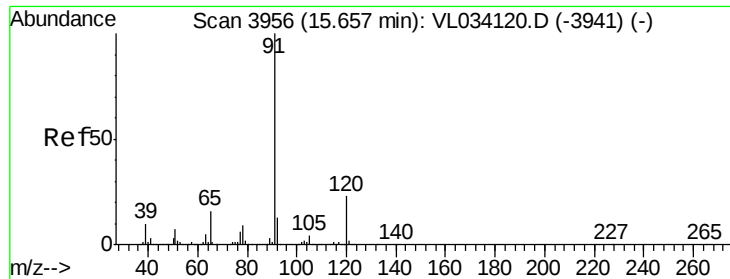
Tgt Ion: 91 Resp: 159589
Ion Ratio Lower Upper
91 100
106 43.0 21.4 64.3



#62
Isopropylbenzene
Concen: 0.066 ppbv
RT: 14.75 min Scan# 3720
Delta R.T. -0.02 min
Lab File: VL034148.D
Acq: 10 Sep 2019 18:32

Tgt Ion: 105 Resp: 16015
Ion Ratio Lower Upper
105 100
120 25.2 20.6 31.0





#64

n-propylbenzene

Concen: 0.087 ppbv

RT: 15.64 min Scan# 3999

Delta R.T. -0.01 min

Lab File: VL034148.D

Acq: 10 Sep 2019 18:32

Instrument :

MSVOA_L

ClientSampleId :

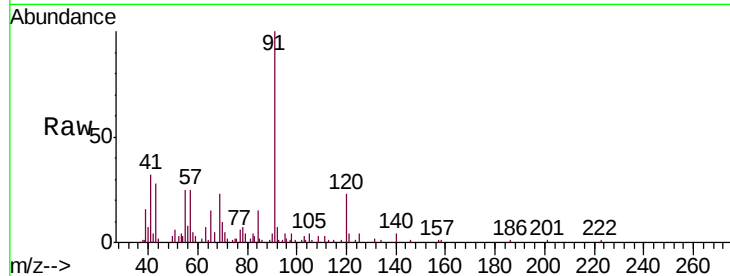
SV3DL

Tgt Ion:120 Resp: 5319

Ion Ratio Lower Upper

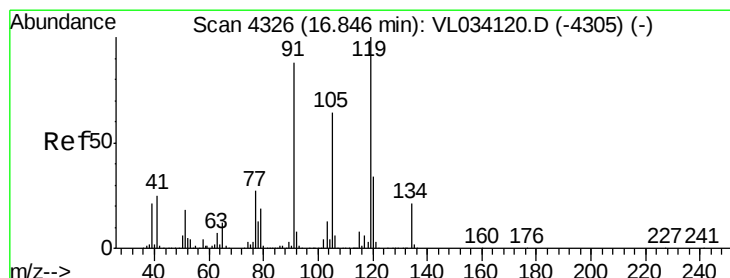
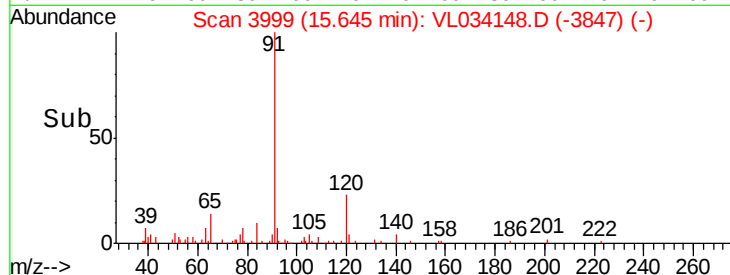
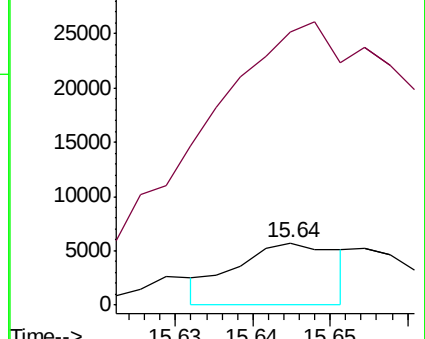
120 100

91 1142.0 376.8 565.2#



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0



#65

tert-Butylbenzene

Concen: 0.041 ppbv

RT: 16.84 min Scan# 4372

Delta R.T. -0.00 min

Lab File: VL034148.D

Acq: 10 Sep 2019 18:32

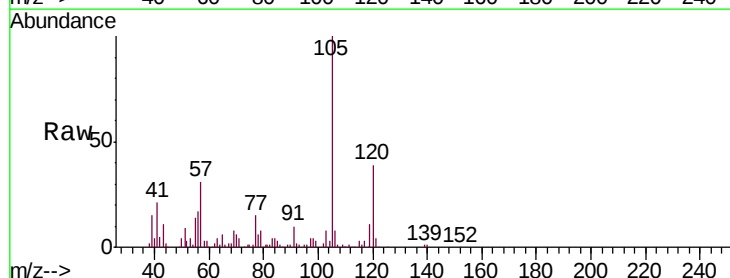
Tgt Ion:119 Resp: 8702

Ion Ratio Lower Upper

119 100

91 0.0 72.8 109.2#

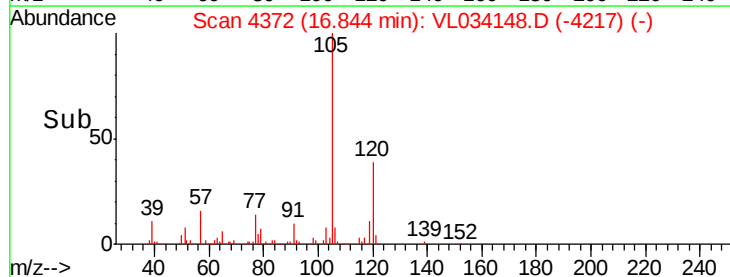
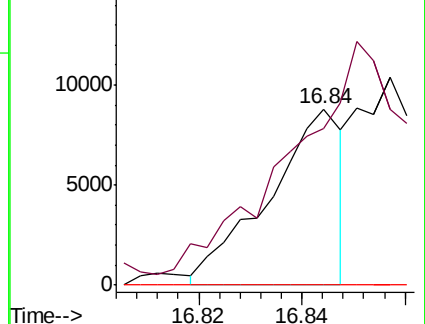
134 0.0 15.8 23.8#

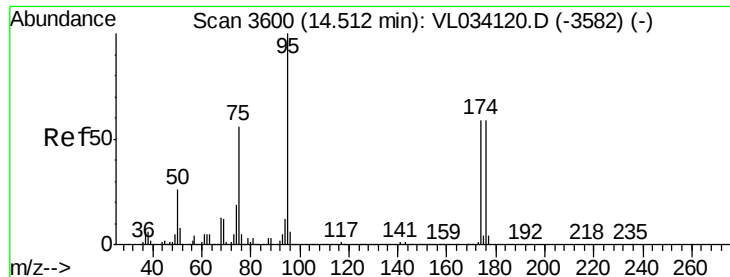


Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V

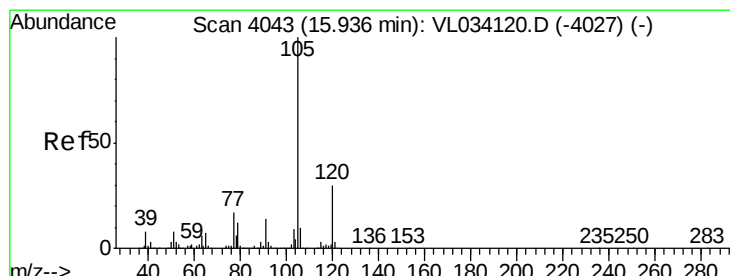
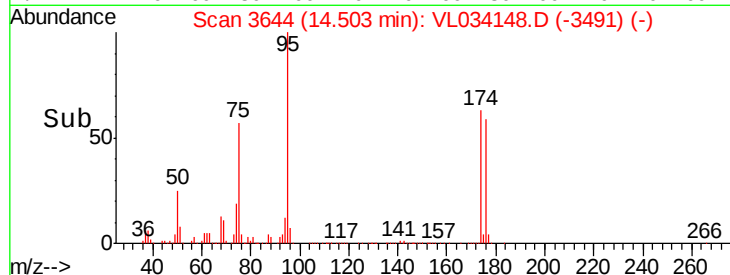
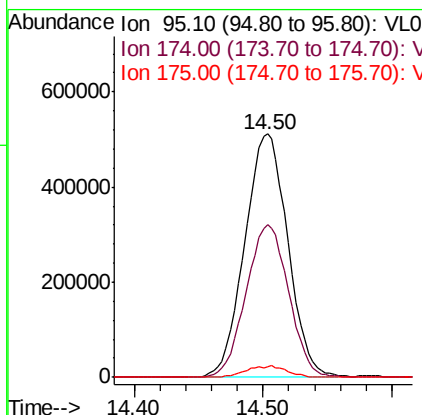
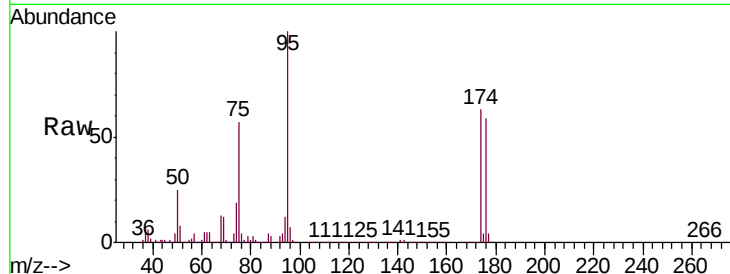




#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.276 ppbv
 RT: 14.50 min Scan# 3644
 Delta R.T. -0.01 min
 Lab File: VL034148.D
 Acq: 10 Sep 2019 18:32

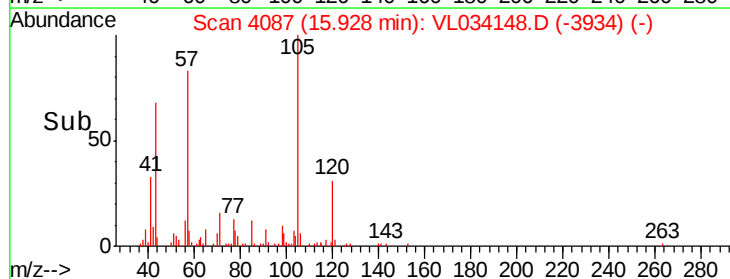
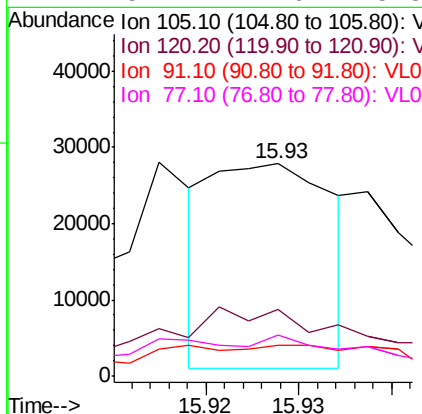
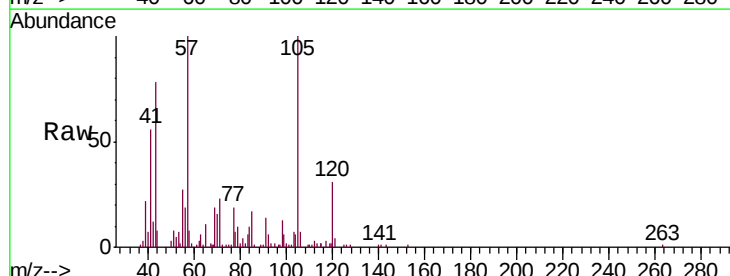
Instrument :
 MSVOA_L
 ClientSampleId :
 SV3DL

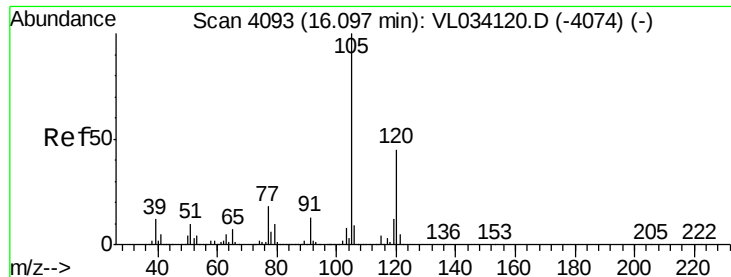
Tgt Ion: 95 Resp: 1184398
 Ion Ratio Lower Upper
 95 100
 174 62.5 48.1 72.1
 175 4.6 3.5 5.3



#72
 4-Ethyltoluene
 Concen: 0.115 ppbv
 RT: 15.93 min Scan# 4087
 Delta R.T. -0.01 min
 Lab File: VL034148.D
 Acq: 10 Sep 2019 18:32

Tgt Ion: 105 Resp: 24277
 Ion Ratio Lower Upper
 105 100
 120 69.1 23.8 35.6#
 91 43.7 11.4 17.0#
 77 51.7 12.6 18.8#





#73

1,3,5-Trimethylbenzene

Concen: 0.242 ppbv

RT: 16.08 min Scan# 4135

Delta R.T. -0.02 min

Lab File: VL034148.D

Acq: 10 Sep 2019 18:32

Instrument :

MSVOA_L

ClientSampleId :

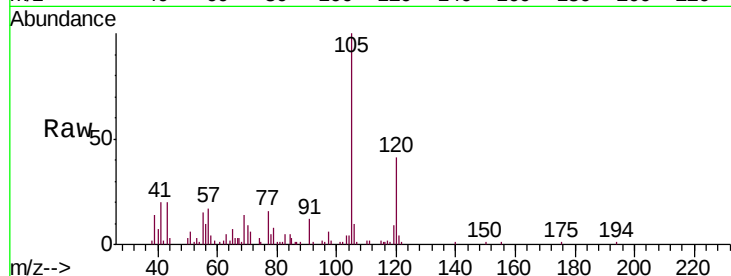
SV3DL

Tgt Ion:105 Resp: 49758

Ion Ratio Lower Upper

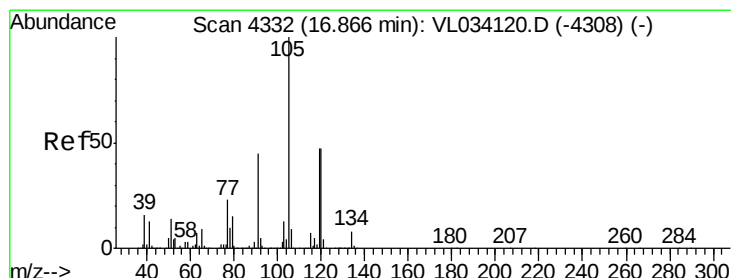
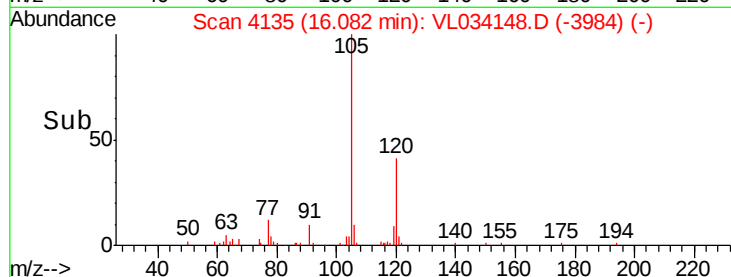
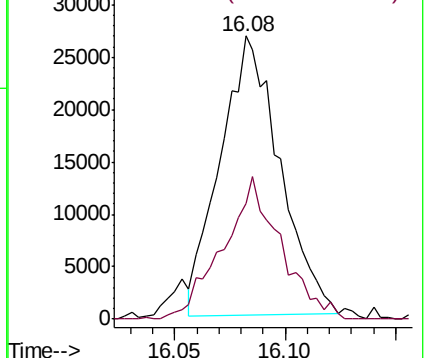
105 100

120 44.2 35.8 53.8



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: 0.867 ppbv

RT: 16.85 min Scan# 4374

Delta R.T. -0.02 min

Lab File: VL034148.D

Acq: 10 Sep 2019 18:32

Tgt Ion:105 Resp: 183836

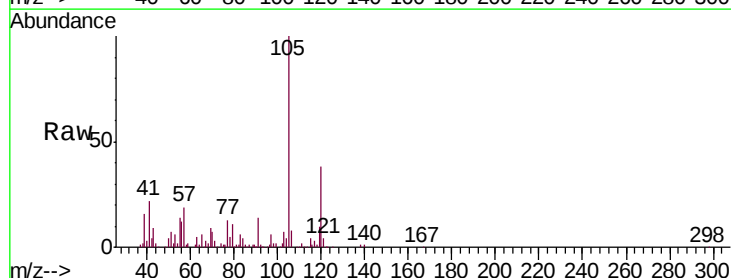
Ion Ratio Lower Upper

105 100

120 38.1 37.7 56.5

91 13.6 36.2 54.2#

77 12.7 18.5 27.7#

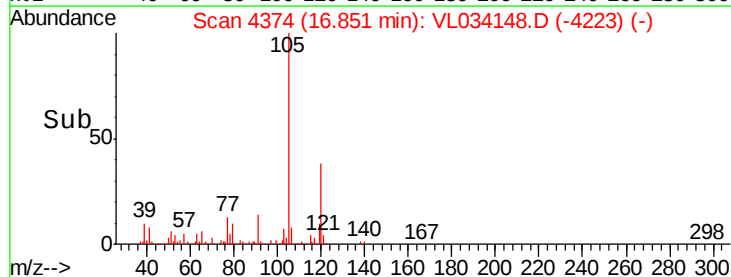
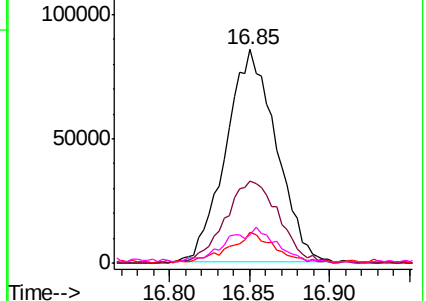


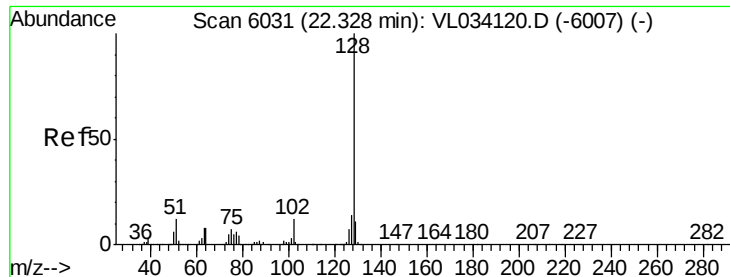
Abundance Ion 105.10 (104.80 to 105.80): V

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





#79

Naphthalene

Concen: 0.047 ppbv

RT: 22.32 min Scan# 6075

Delta R.T. -0.01 min

Lab File: VL034148.D

Acq: 10 Sep 2019 18:32

Instrument :

MSVOA_L

ClientSampleId :

SV3DL

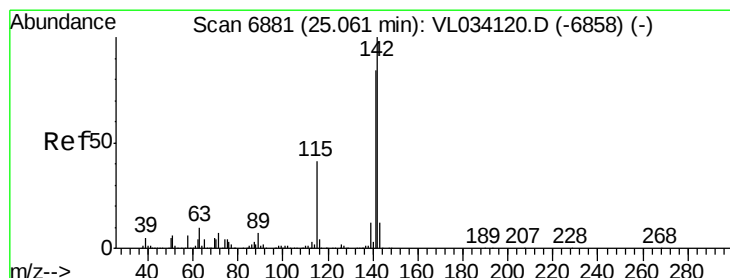
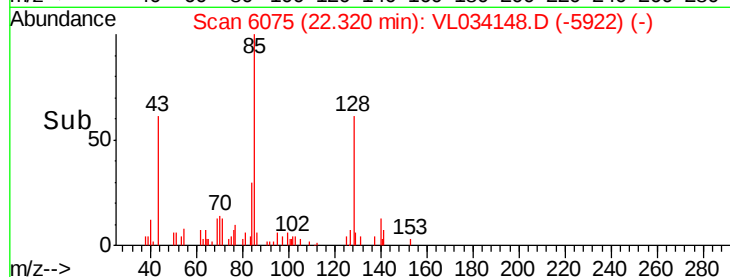
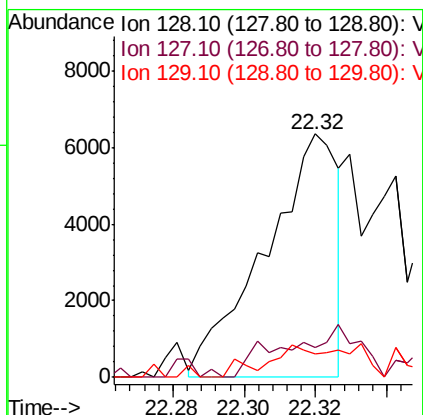
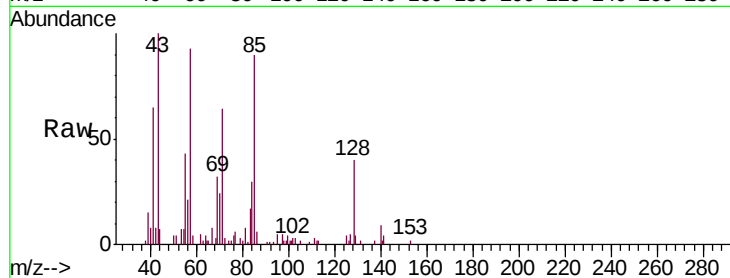
Tgt Ion:128 Resp: 8966

Ion Ratio Lower Upper

128 100

127 4.6 10.9 16.3#

129 5.1 8.5 12.7#



#80

Naphthalene, 2-methyl-

Concen: 0.032 ppbv

RT: 25.06 min Scan# 6927

Delta R.T. -0.00 min

Lab File: VL034148.D

Acq: 10 Sep 2019 18:32

Tgt Ion:142 Resp: 2124

Ion Ratio Lower Upper

142 100

141 59.4 67.6 101.4#

115 62.3 34.6 52.0#

