

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL123019\
 Data File : VL034539.D
 Acq On : 31 Dec 2019 9:03
 Operator : SY/AP
 Sample : K6470-06
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 44-2

Manual Integrations
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 1/2/2020 10:50:33 AM

Quant Time: Jan 01 13:07:18 2020

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL123019AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 3

QLast Update : Mon Dec 30 14:58:50 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	950972	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	1899916	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.13	117	1849409	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.47	95	1564628	10.14	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.40%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	3.02	85	93666	0.625	ppbv	93
3) Chlorodifluoromethane	2.96	51	583132	5.147	ppbv	95
4) Chloromethane	3.11	50	32911	0.489	ppbv	96
9) Propene	2.99	41	148322m	3.395	ppbv	
10) Heptane	8.15	43	21361m	0.189	ppbv	
11) Trichlorofluoromethane	3.94	101	42040	0.242	ppbv #	78
13) Ethanol	3.59	45	957572m	79.003	ppbv	
15) Acetone	3.83	43	1631452	11.755	ppbv	100
19) Isopropyl Alcohol	3.97	45	711179	7.916	ppbv #	98
20) Methylene Chloride	4.34	84	54513	0.998	ppbv	95
25) Ethyl Acetate	5.69	43	90834	0.419	ppbv	97
26) Hexane	5.70	57	53678	0.588	ppbv #	73
30) Cyclohexane	7.16	84	15743m	0.232	ppbv	
32) 1,1,1-Trichloroethane	6.54	97	5089m	0.031	ppbv	
34) 2-Butanone	5.25	43	521283	3.839	ppbv	99
35) Carbon Tetrachloride	7.04	117	10730m	0.062	ppbv	
36) Benzene	6.91	78	73979	0.447	ppbv	94
41) Tetrahydrofuran	6.07	42	64385m	0.924	ppbv	
44) 2,2,4-Trimethylpentane	7.90	57	58043m	0.189	ppbv	
50) 4-Methyl-2-Pentanone	8.78	43	65885m	0.334	ppbv	
52) Tetrachloroethene	11.28	164	26886m	0.416	ppbv	
53) Toluene	9.84	91	493689	2.713	ppbv	99
58) Ethyl Benzene	12.75	91	120210m	0.482	ppbv	
59) m/p-Xylene	13.01	91	376760m	1.727	ppbv	
60) o-Xylene	13.74	91	105655	0.483	ppbv	97
64) n-propylbenzene	15.61	120	10408m	0.142	ppbv	
65) tert-Butylbenzene	16.83	119	25890m	0.100	ppbv	
72) 4-Ethyltoluene	15.89	105	78637m	0.321	ppbv	
73) 1,3,5-Trimethylbenzene	16.06	105	71419	0.297	ppbv	99
74) 1,2,4-Trimethylbenzene	16.82	105	230293m	0.896	ppbv	

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

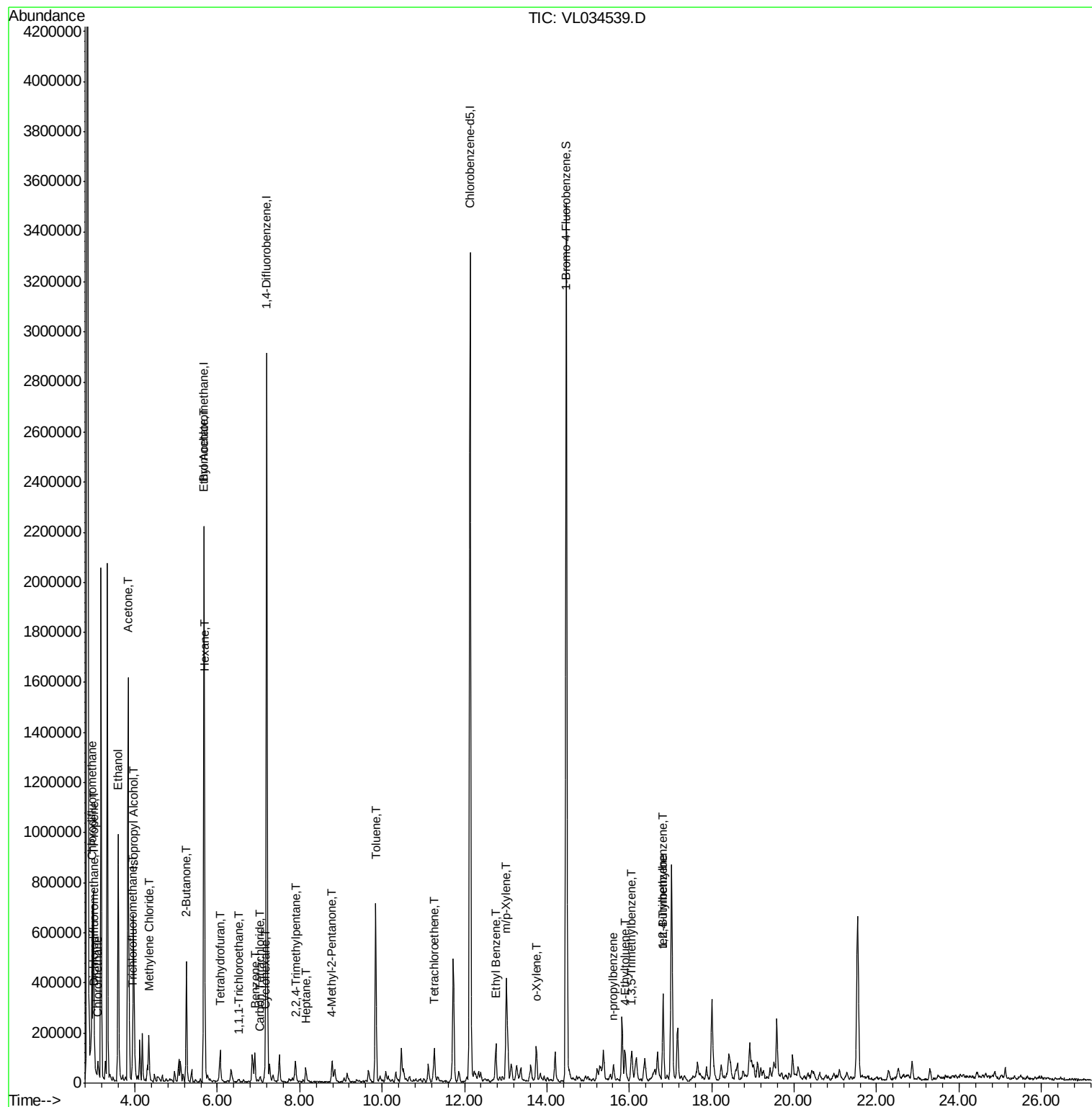
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL123019\
Data File : VL034539.D
Acq On : 31 Dec 2019 9:03
Operator : SY/AP
Sample : K6470-06
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

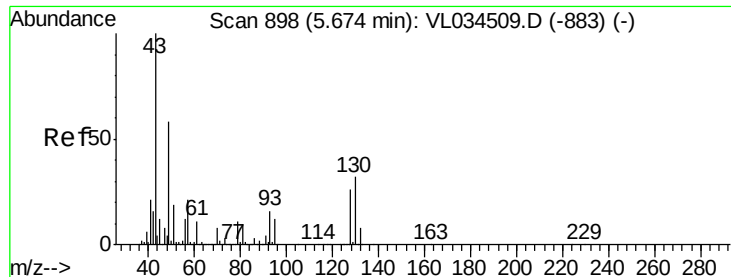
Instrument :
MSVOA_L
ClientSampleId :
44-2

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1/2/2020 10:50:33 AM

Quant Time: Jan 01 13:07:18 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL123019AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec
QLast Update : Mon Dec 30 14:58:50 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 898

Delta R.T. -0.00 min

Lab File: VL034539.D

Acq: 31 Dec 2019 9:03

Instrument :

MSVOA_L

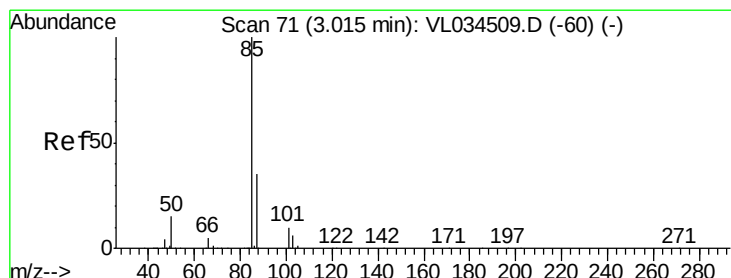
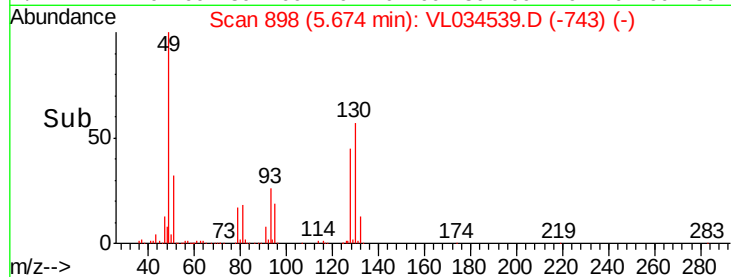
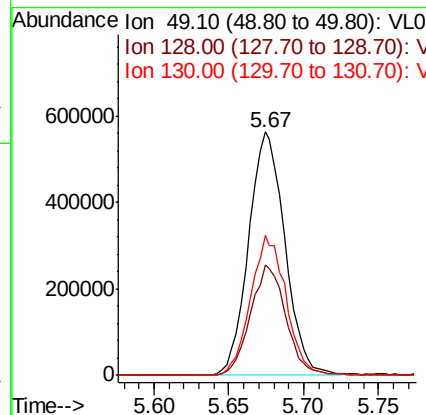
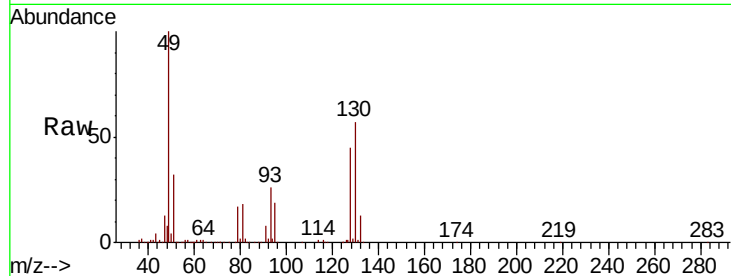
ClientSampled :

44-2

Tot Ion:	49	Resp:	950972
Ion	Ratio	Lower	Upper
49	100		
128	44.7	22.4	67.2
130	56.5	28.3	85.0

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#2

Dichlorodifluoromethane

Concen: 0.625 ppbv

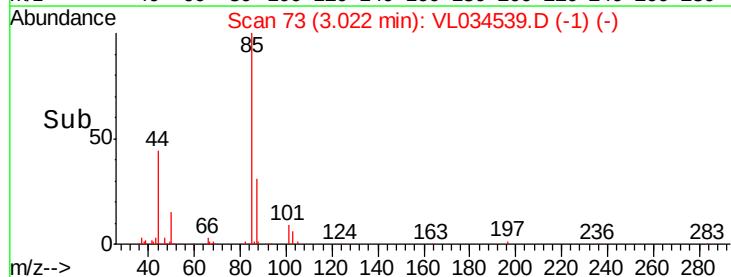
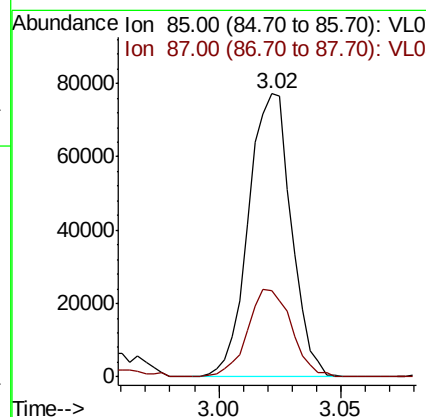
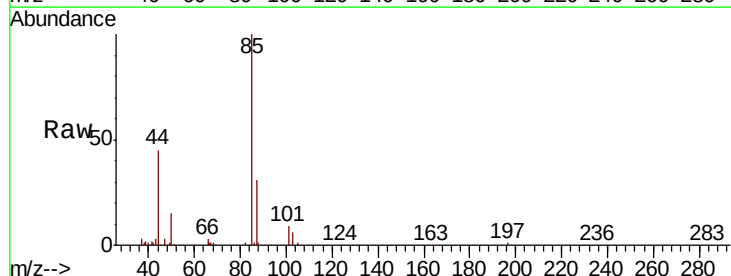
RT: 3.02 min Scan# 73

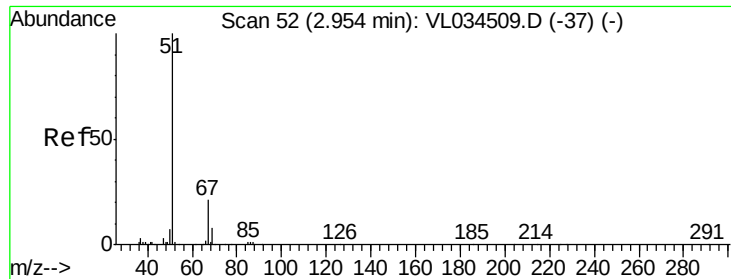
Delta R.T. 0.01 min

Lab File: VL034539.D

Acq: 31 Dec 2019 9:03

Tgt Ion:	85	Resp:	93666
Ion	Ratio	Lower	Upper
85	100		
87	30.6	27.9	41.9





#3

Chlorodifluoromethane

Concen: 5.147 ppbv

RT: 2.96 min Scan# 54

Delta R.T. 0.01 min

Lab File: VL034539.D

Acq: 31 Dec 2019 9:03

Tot Ion: 51 Resp: 583132

Ion Ratio Lower Upper

51 100

67 18.5 16.8 25.2

Instrument :

MSVOA_L

ClientSampled :

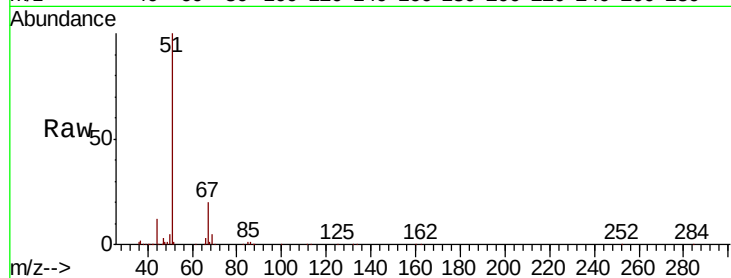
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

2.96

400000

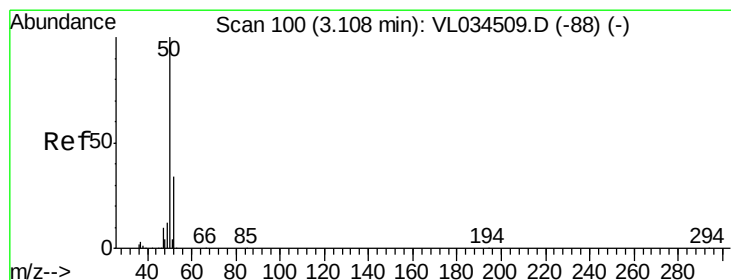
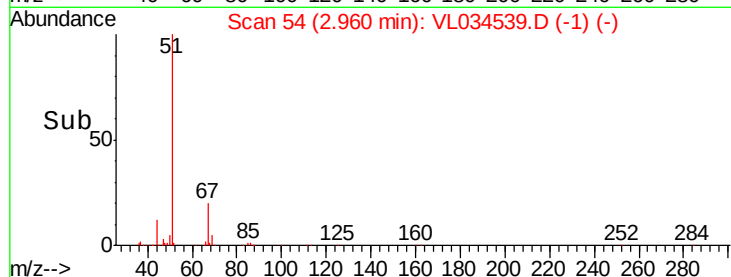
300000

200000

100000

0

Time-->



#4

Chloromethane

Concen: 0.489 ppbv

RT: 3.11 min Scan# 101

Delta R.T. 0.00 min

Lab File: VL034539.D

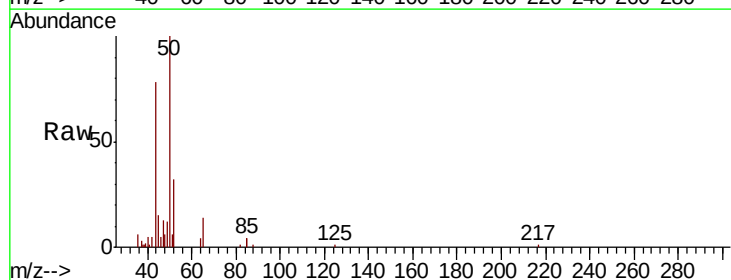
Acq: 31 Dec 2019 9:03

Tgt Ion: 50 Resp: 32911

Ion Ratio Lower Upper

50 100

52 32.1 27.6 41.4



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

3.11

25000

20000

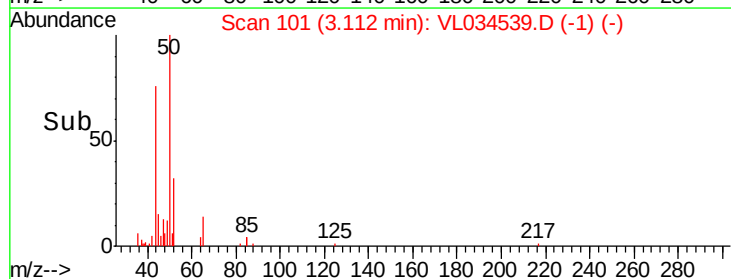
15000

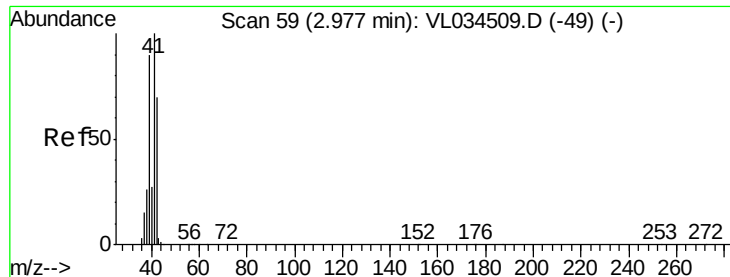
10000

5000

0

Time-->





#9

Propene

Concen: 3.395 ppbv m

RT: 2.99 min Scan# 64

Delta R.T. 0.02 min

Lab File: VL034539.D

Acq: 31 Dec 2019 9:03

Instrument :

MSVOA_L

ClientSampled :

44-2

Tot Ion: 41 Resp: 148322

Ion Ratio Lower Upper

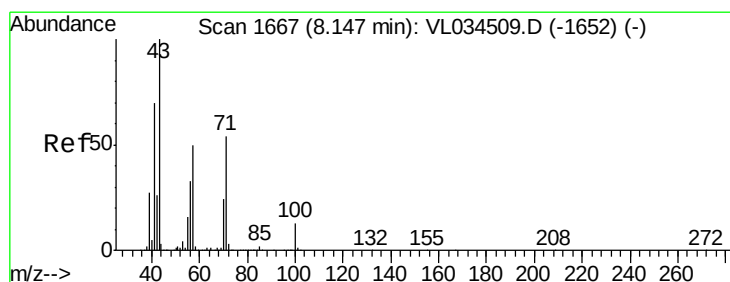
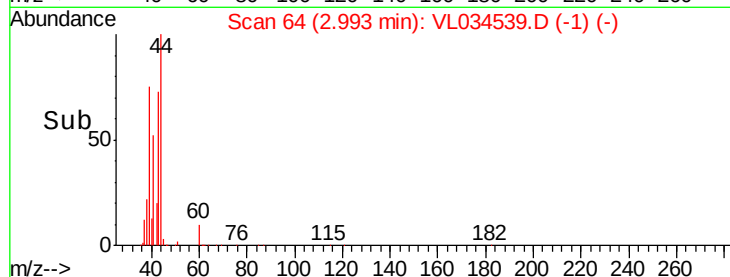
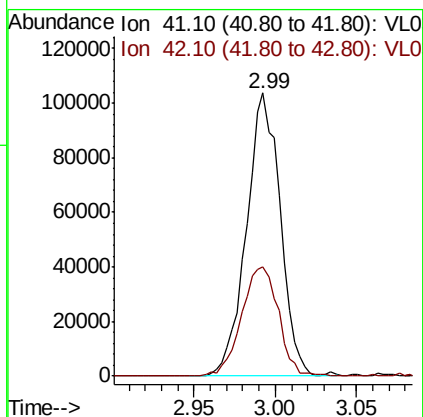
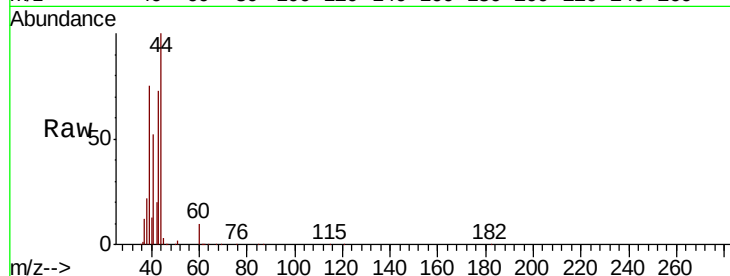
41 100

42 231.2 55.8 83.6#

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#10

Heptane

Concen: 0.189 ppbv m

RT: 8.15 min Scan# 1667

Delta R.T. -0.00 min

Lab File: VL034539.D

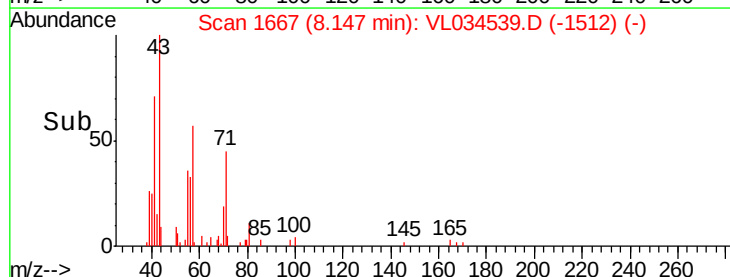
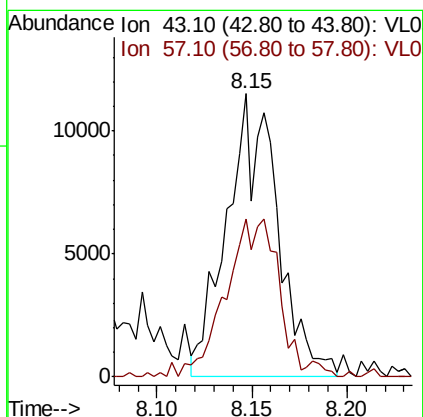
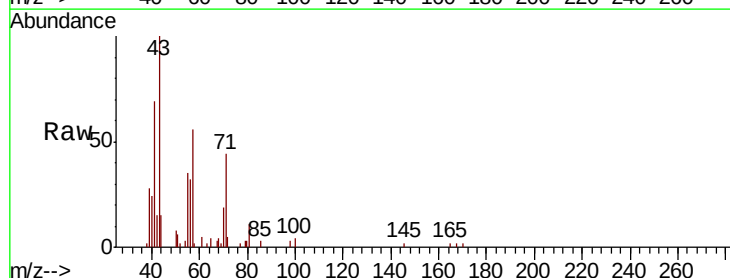
Acq: 31 Dec 2019 9:03

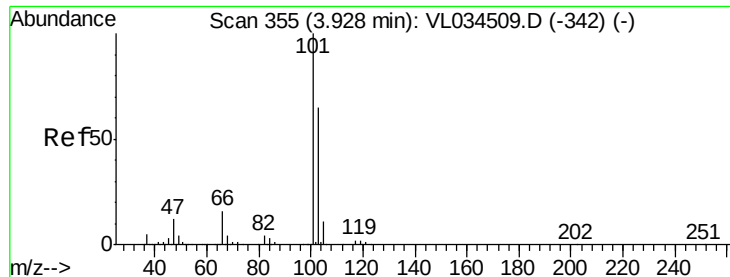
Tgt Ion: 43 Resp: 21361

Ion Ratio Lower Upper

43 100

57 0.0 41.0 61.6#





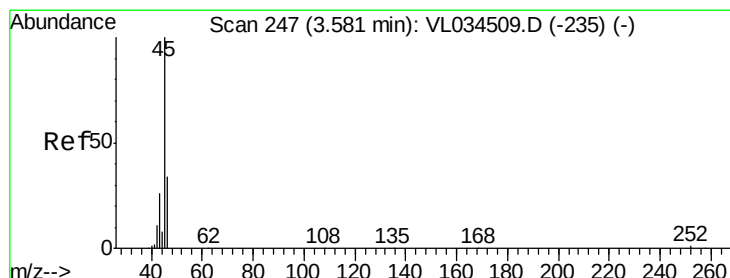
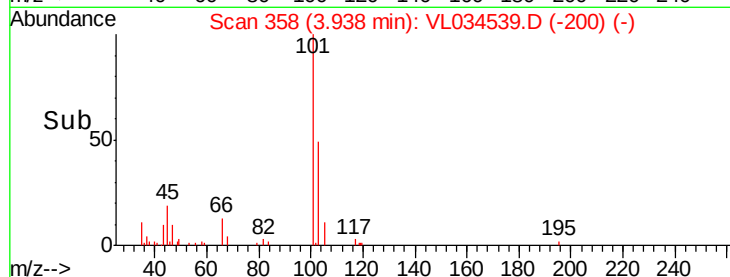
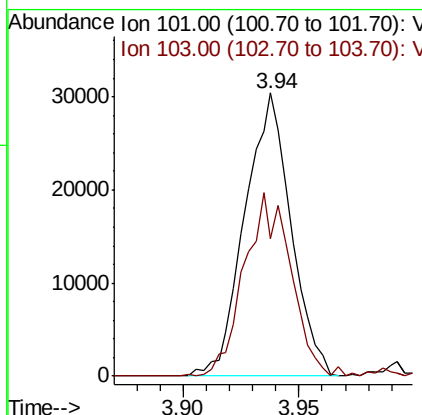
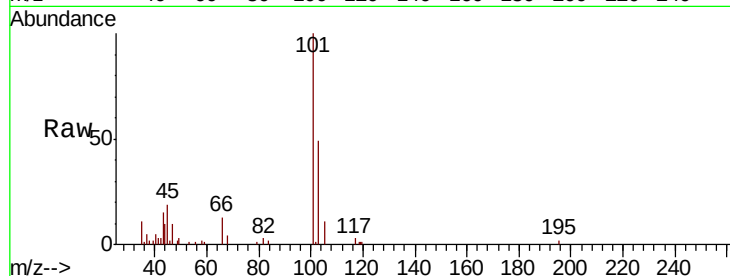
#11
 Trichlorofluoromethane
 Concen: 0.242 ppbv
 RT: 3.94 min Scan# 358
 Delta R.T. 0.01 min
 Lab File: VL034539.D
 Acq: 31 Dec 2019 9:03

Instrument :
 MSVOA_L
 ClientSampled :
 44-2

Tot Ion	Ion	Ratio	Resp	Lower	Upper
42040	101	100			
78.1#	103	48.1	52.1		

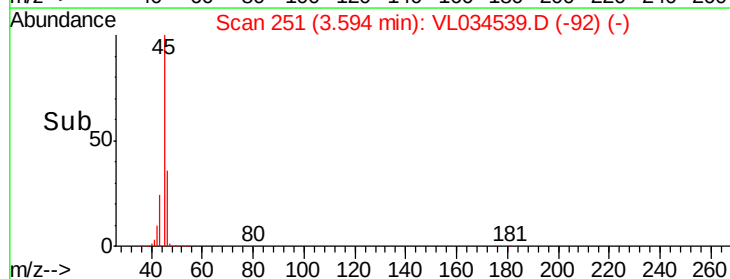
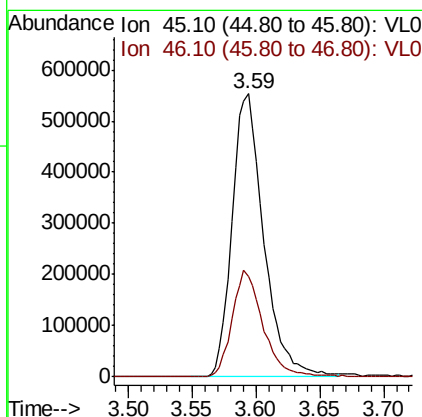
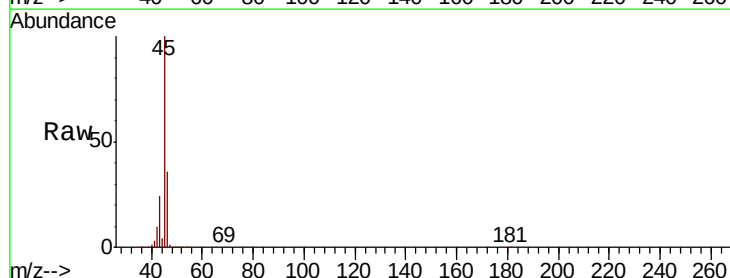
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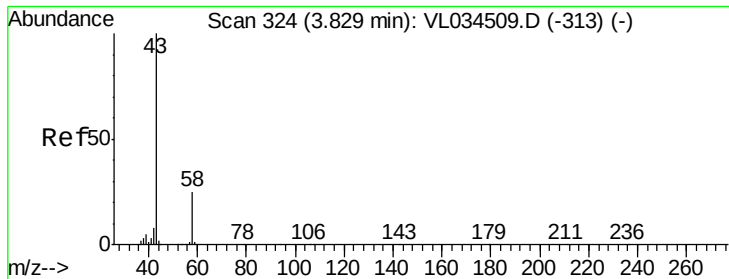
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#13
 Ethanol
 Concen: 79.003 ppbv m
 RT: 3.59 min Scan# 251
 Delta R.T. 0.01 min
 Lab File: VL034539.D
 Acq: 31 Dec 2019 9:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
957572	45	100			
59.7	46	37.0	14.9		





#15

Acetone

Concen: 11.755 ppbv

RT: 3.83 min Scan# 325

Delta R.T. 0.00 min

Lab File: VL034539.D

Acq: 31 Dec 2019 9:03

Tot Ion: 43 Resp: 1631452

Ion Ratio Lower Upper

43 100

58 25.6 20.4 30.6

Instrument :

MSVOA_L

ClientSampleId :

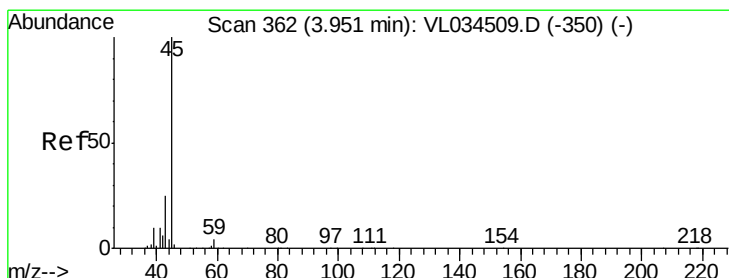
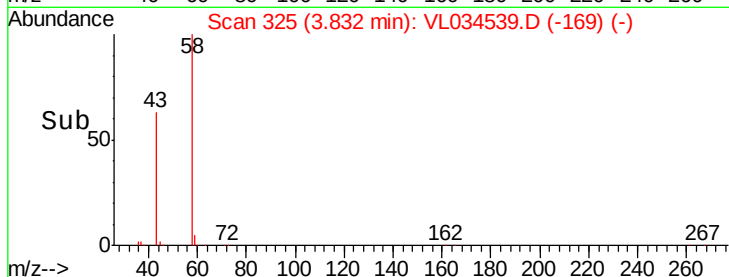
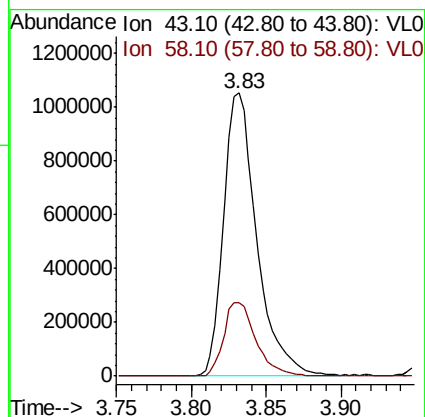
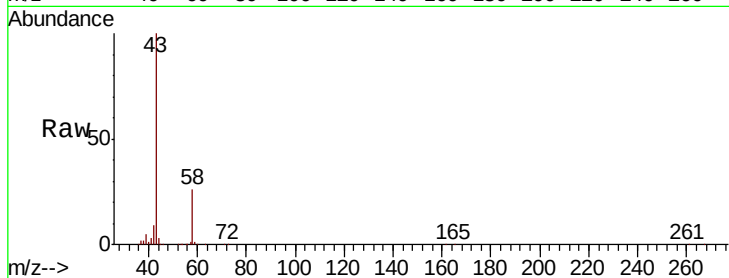
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#19

Isopropyl Alcohol

Concen: 7.916 ppbv

RT: 3.97 min Scan# 367

Delta R.T. 0.02 min

Lab File: VL034539.D

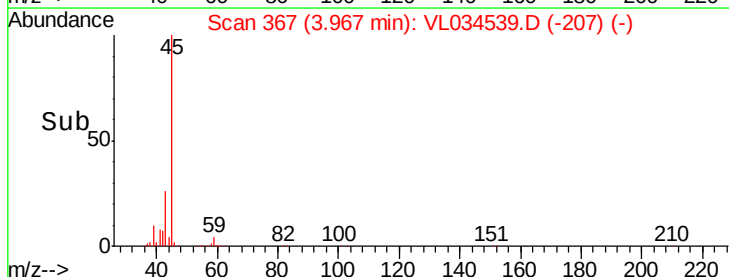
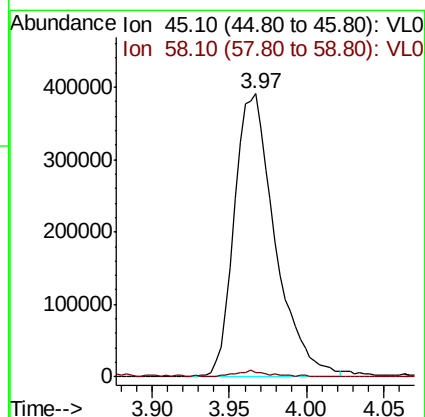
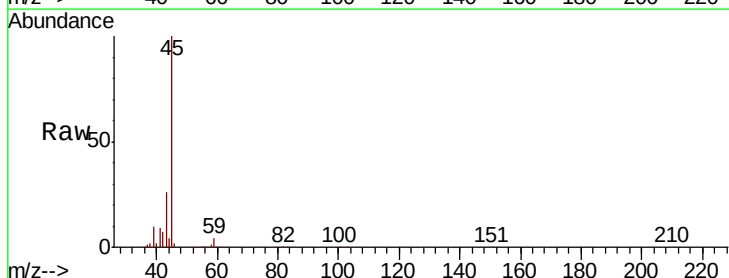
Acq: 31 Dec 2019 9:03

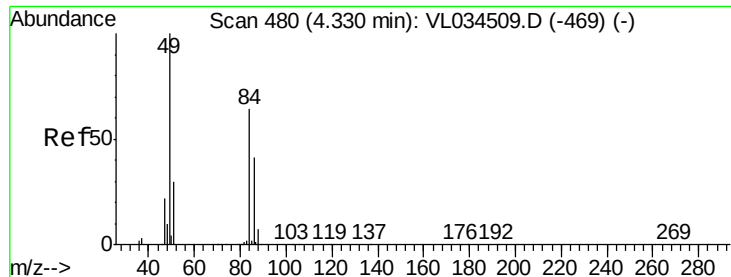
Tgt Ion: 45 Resp: 711179

Ion Ratio Lower Upper

45 100

58 2.3 1.4 2.0#





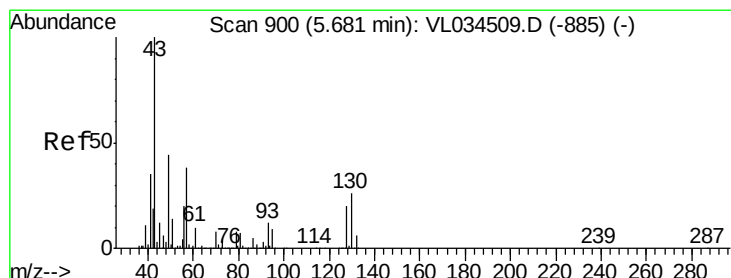
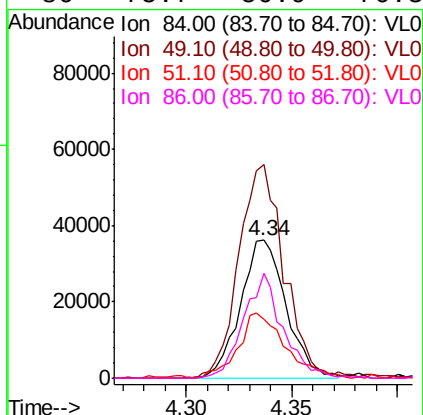
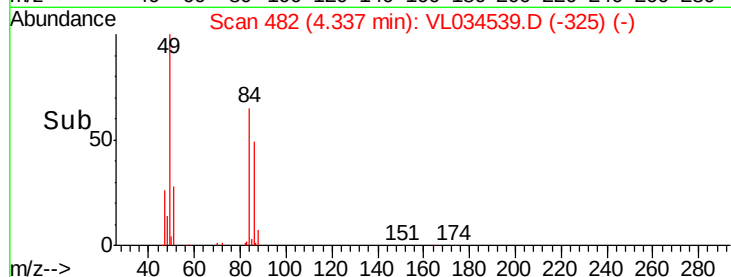
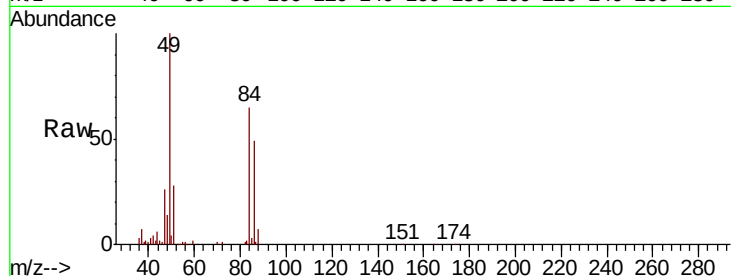
#20
Methylene Chloride
Concen: 0.998 ppbv
RT: 4.34 min Scan# 482
Delta R.T. 0.01 min
Lab File: VL034539.D
Acq: 31 Dec 2019 9:03

Instrument :
MSVOA_L
ClientSampled :
44-2

Tot Ion:	84	Resp:	54513
Ion	Ratio	Lower	Upper
84	100		
49	154.3	124.4	186.6
51	42.9	37.0	55.6
86	75.7	50.9	76.3

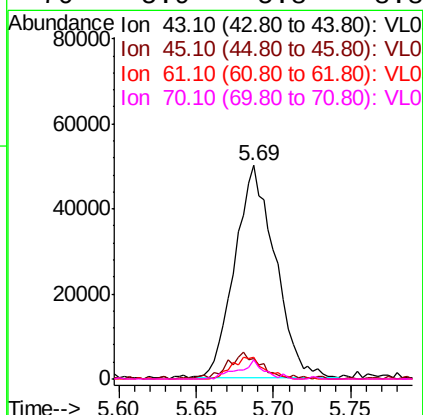
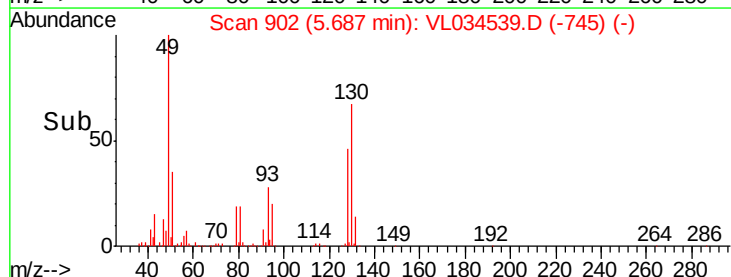
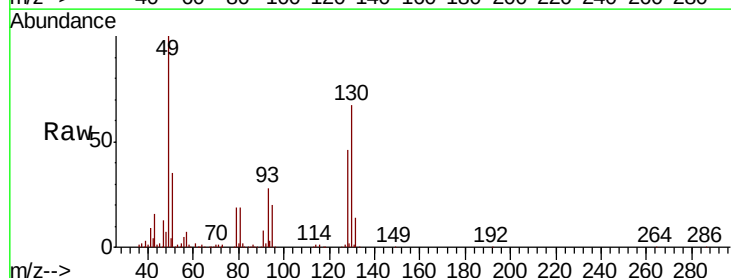
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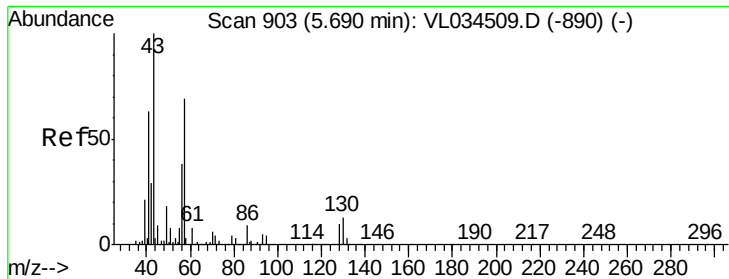
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#25
Ethyl Acetate
Concen: 0.419 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.01 min
Lab File: VL034539.D
Acq: 31 Dec 2019 9:03

Tgt Ion:	43	Resp:	90834
Ion	Ratio	Lower	Upper
43	100		
45	11.1	8.3	12.5
61	8.2	7.8	11.6
70	5.9	5.8	8.8





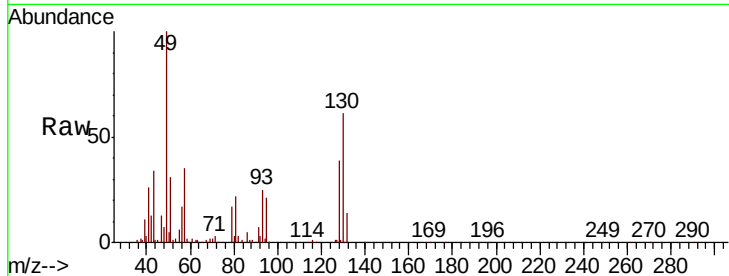
#26
Hexane
Concen: 0.588 ppbv
RT: 5.70 min Scan# 905
Delta R.T. 0.01 min
Lab File: VL034539.D
Acq: 31 Dec 2019 9:03

Instrument :
MSVOA_L
ClientSampled :
44-2

Tot Ion	57	Resp	53678
Ion	Ratio	Lower	Upper
57	100		
41	104.5	75.3	112.9
43	173.7	189.4	284.2#
56	61.4	42.8	64.2

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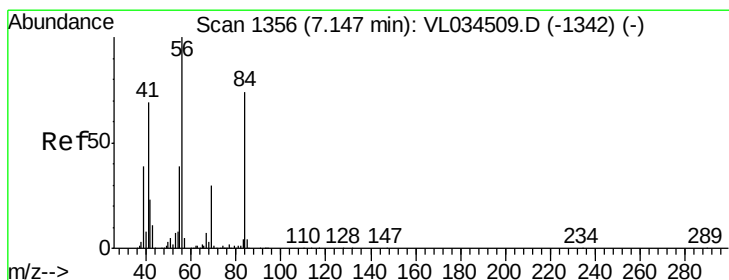
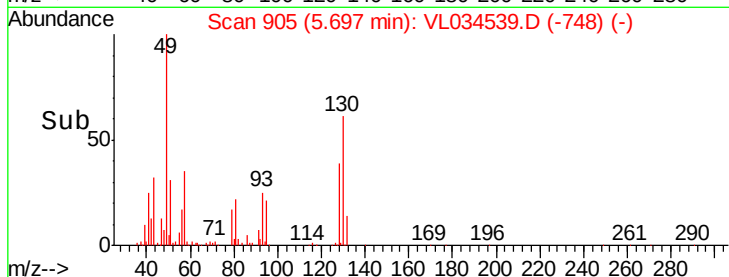
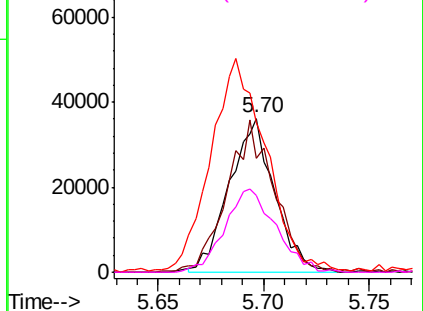
Abundance

Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

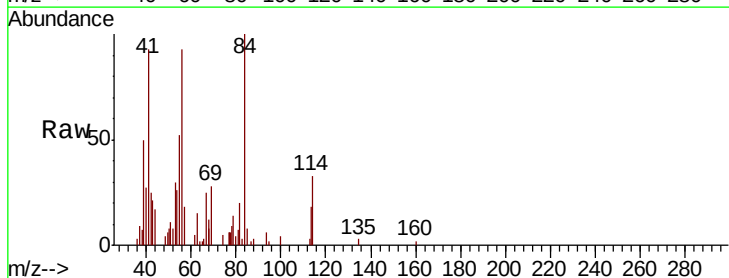
Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#30
Cyclohexane
Concen: 0.232 ppbv m
RT: 7.16 min Scan# 1359
Delta R.T. 0.01 min
Lab File: VL034539.D
Acq: 31 Dec 2019 9:03

Tgt Ion	84	Resp	15743
Ion	Ratio	Lower	Upper
84	100		
56	0.0	112.7	169.1#
41	0.0	73.0	109.4#

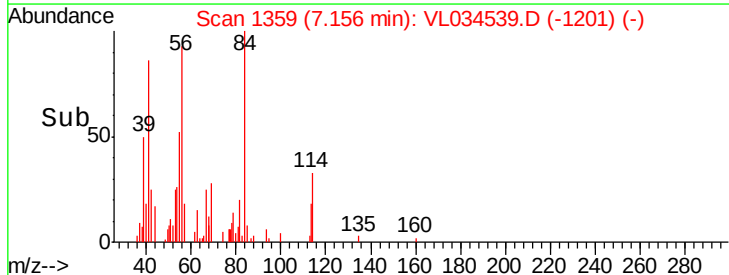
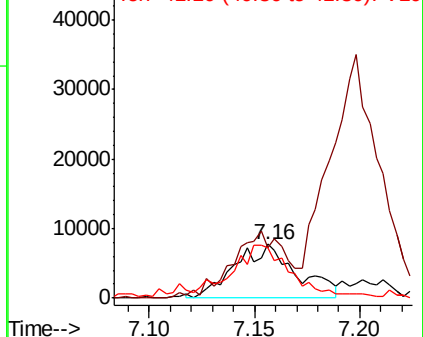


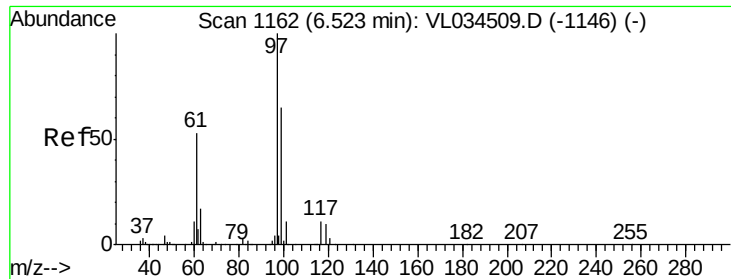
Abundance

Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0





#32

1,1,1-Trichloroethane

Concen: 0.031 ppbv m

RT: 6.54 min Scan# 1166

Delta R.T. 0.01 min

Lab File: VL034539.D

Acq: 31 Dec 2019 9:03

Instrument :

MSVOA_L

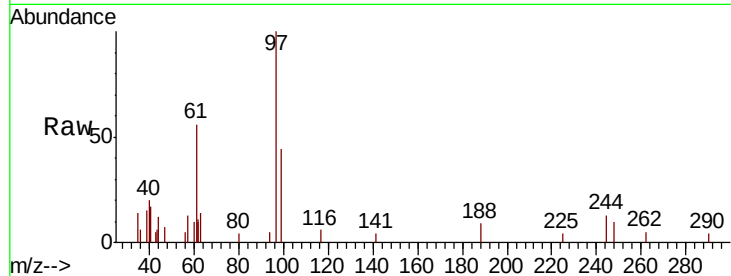
ClientSampled :

44-2

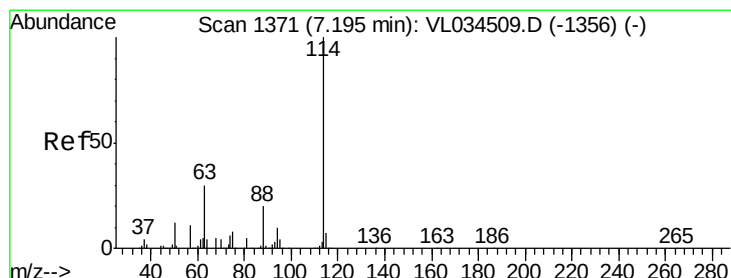
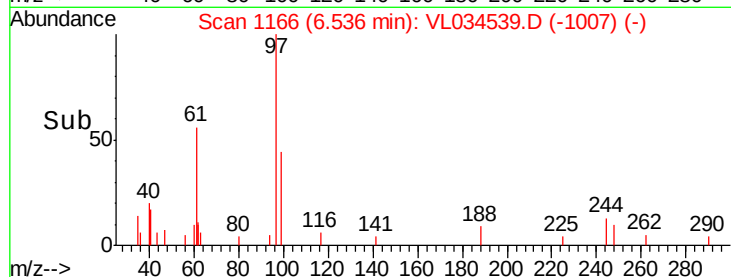
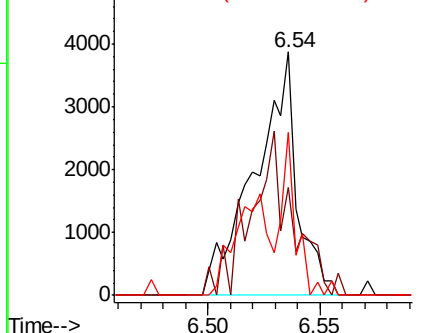
Tot Ion:	97	Resp:	5089
Ion	Ratio	Lower	Upper
97	100		
99	66.9	51.7	77.5
61	55.1	42.9	64.3

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Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

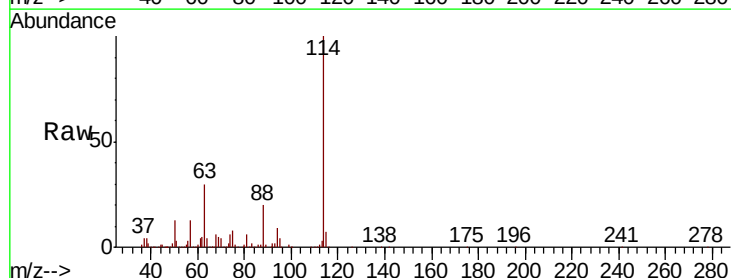
RT: 7.20 min Scan# 1372

Delta R.T. 0.00 min

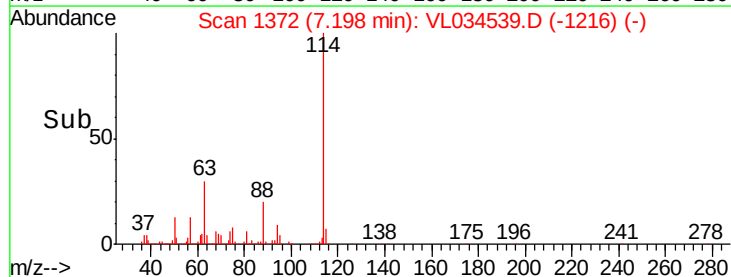
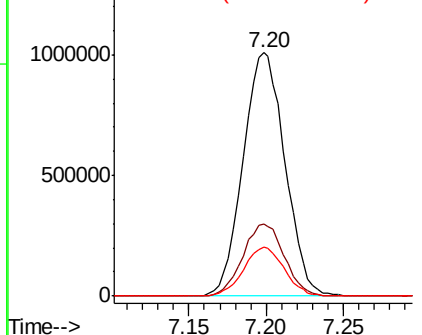
Lab File: VL034539.D

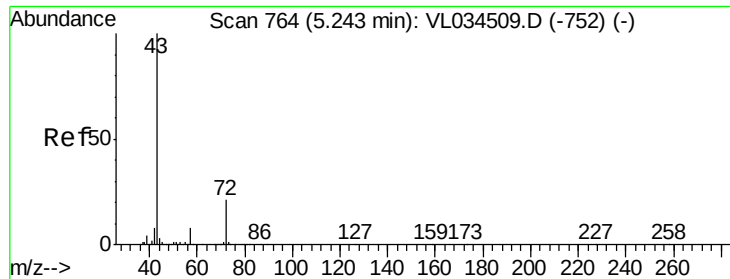
Acq: 31 Dec 2019 9:03

Tgt Ion:	114	Resp:	1899916
Ion	Ratio	Lower	Upper
114	100		
63	29.4	24.1	36.1
88	19.5	15.7	23.5



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





#34

2-Butanone

Concen: 3.839 ppbv

RT: 5.25 min Scan# 765

Delta R.T. 0.00 min

Lab File: VL034539.D

Acq: 31 Dec 2019 9:03

Instrument :

MSVOA_L

ClientSampled :

44-2

Tot Ion: 43 Resp: 521283

Ion Ratio Lower Upper

43 100

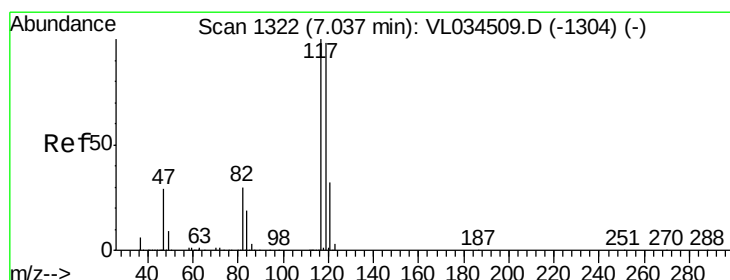
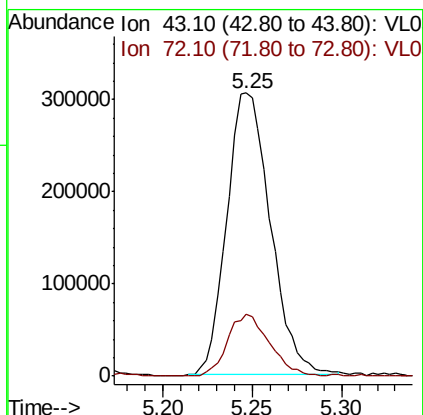
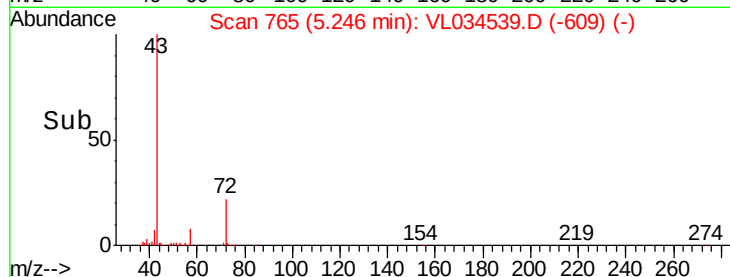
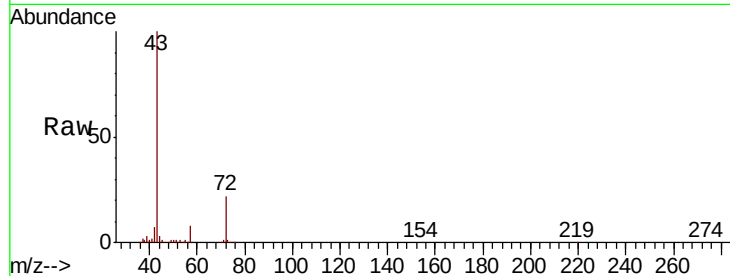
72 21.5 17.0 25.4

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#35

Carbon Tetrachloride

Concen: 0.062 ppbv m

RT: 7.04 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VL034539.D

Acq: 31 Dec 2019 9:03

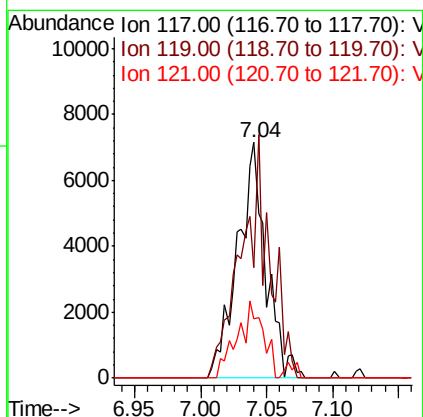
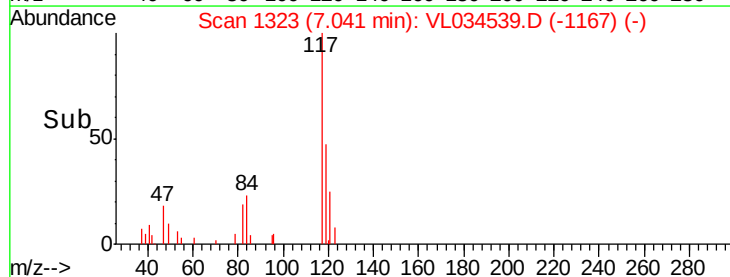
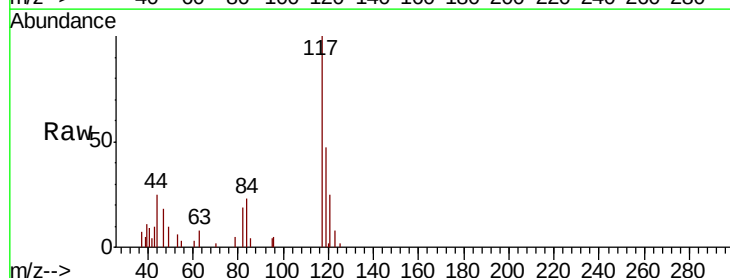
Tgt Ion: 117 Resp: 10730

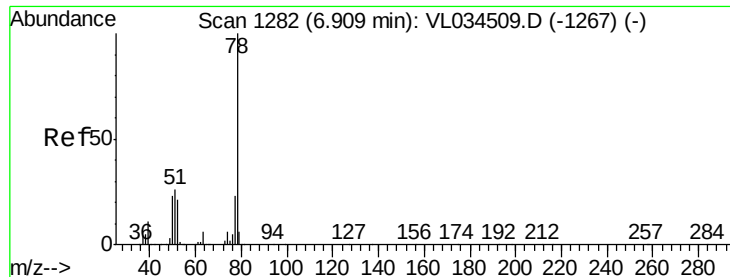
Ion Ratio Lower Upper

117 100

119 47.2 78.7 118.1#

121 25.0 25.9 38.9#





#36

Benzene

Concen: 0.447 ppbv

RT: 6.91 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VL034539.D

Acq: 31 Dec 2019 9:03

Instrument :

MSVOA_L

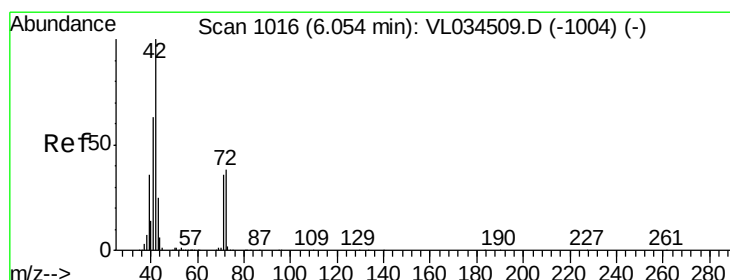
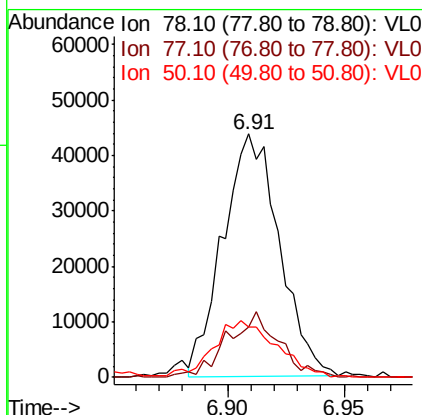
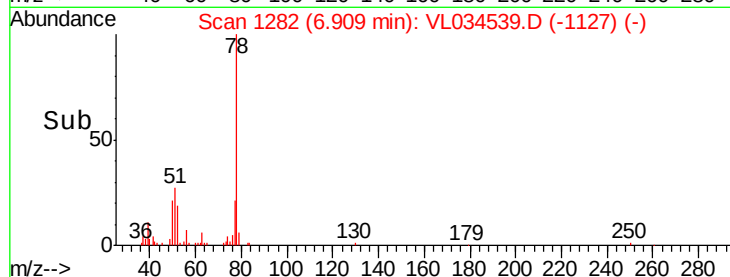
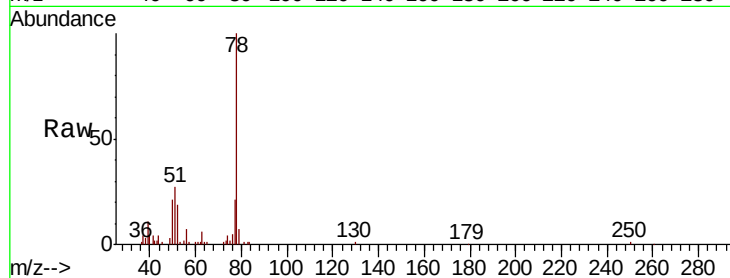
ClientSampled :

44-2

Tot Ion:	78	Resp:	73979
Ion	Ratio	Lower	Upper
78	100		
77	20.9	18.6	28.0
50	20.2	18.8	28.2

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#41

Tetrahydrofuran

Concen: 0.924 ppbv m

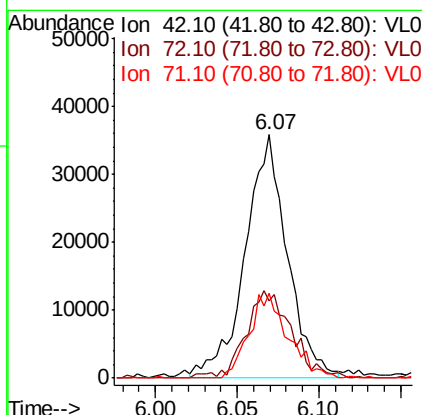
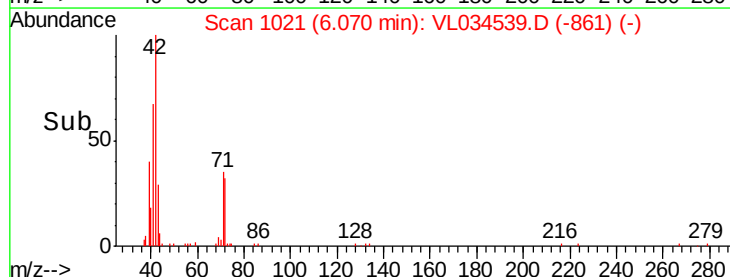
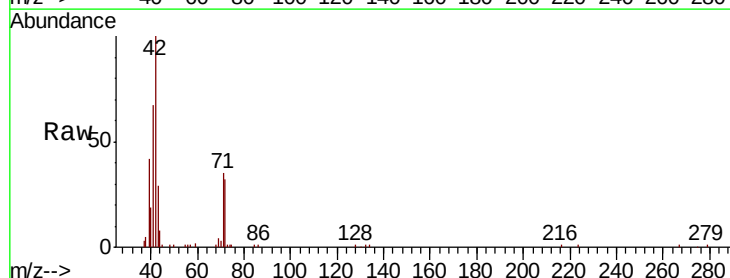
RT: 6.07 min Scan# 1021

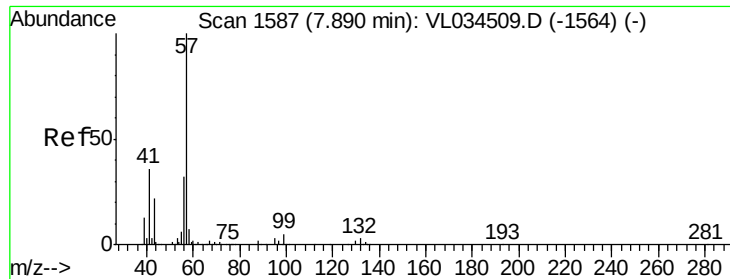
Delta R.T. 0.02 min

Lab File: VL034539.D

Acq: 31 Dec 2019 9:03

Tgt Ion:	42	Resp:	64385
Ion	Ratio	Lower	Upper
42	100		
72	38.8	30.9	46.3
71	32.4	28.9	43.3





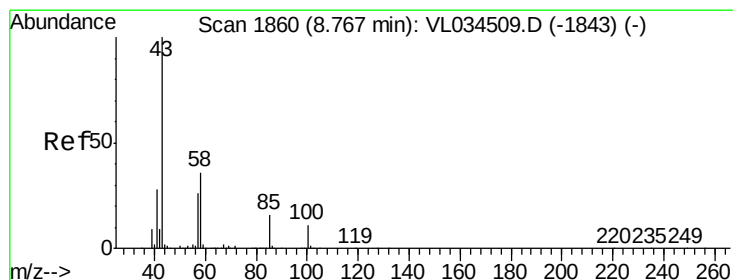
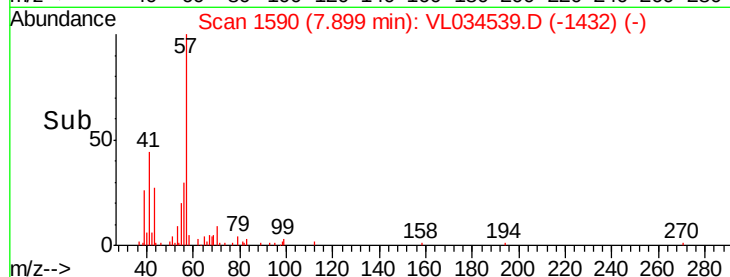
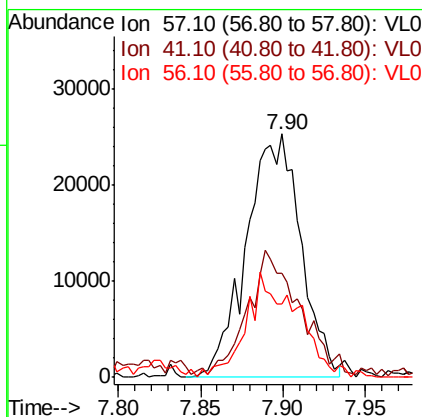
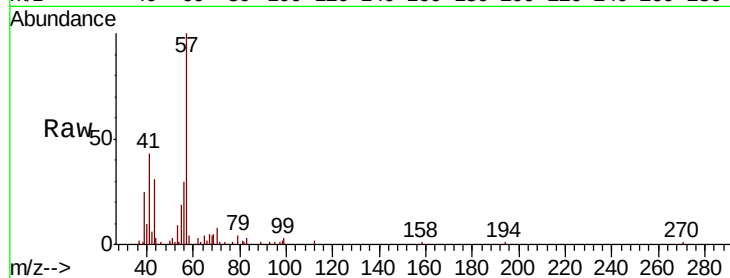
#44
 2,2,4-Trimethylpentane
 Concen: 0.189 ppbv m
 RT: 7.90 min Scan# 1590
 Delta R.T. 0.01 min
 Lab File: VL034539.D
 Acq: 31 Dec 2019 9:03

Instrument :
 MSVOA_L
 ClientSampled :
 44-2

Tot Ion	Ratio	Lower	Upper
57	100		
41	52.6	29.0	43.4#
56	41.3	24.9	37.3#

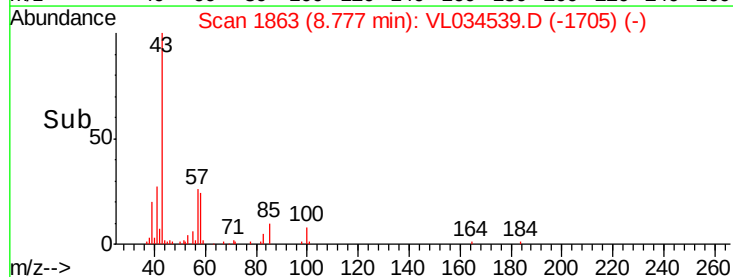
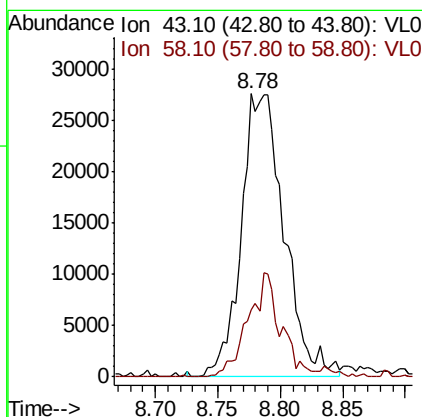
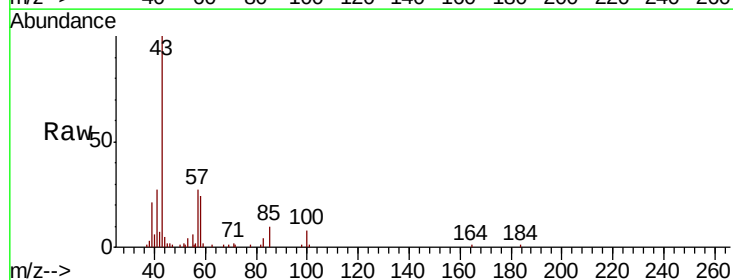
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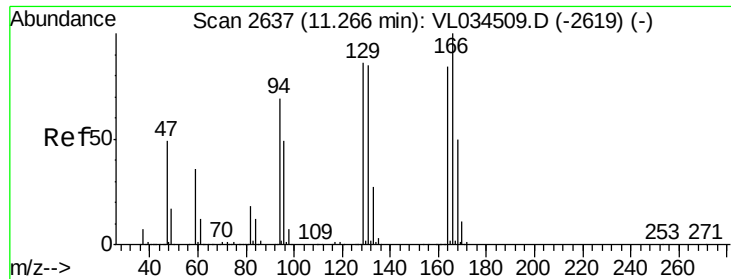
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#50
 4-Methyl-2-Pentanone
 Concen: 0.334 ppbv m
 RT: 8.78 min Scan# 1863
 Delta R.T. 0.01 min
 Lab File: VL034539.D
 Acq: 31 Dec 2019 9:03

Tgt Ion	Ratio	Lower	Upper
43	100		
58	0.0	28.2	42.2#





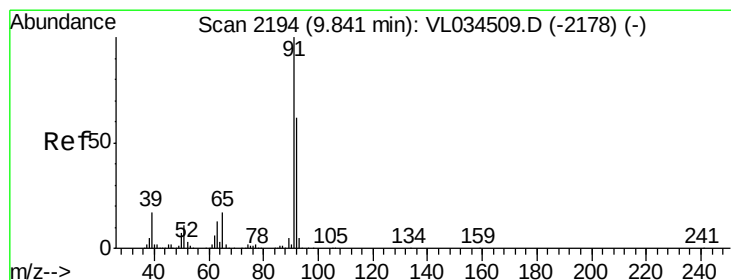
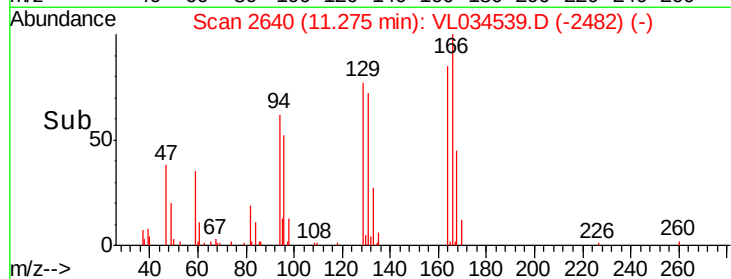
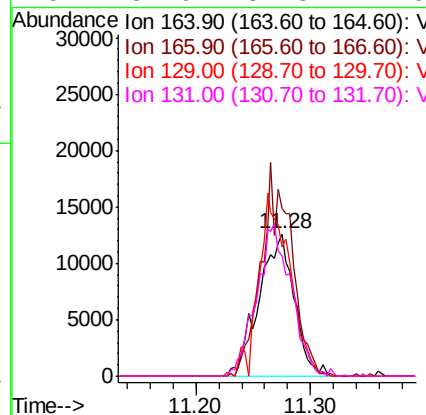
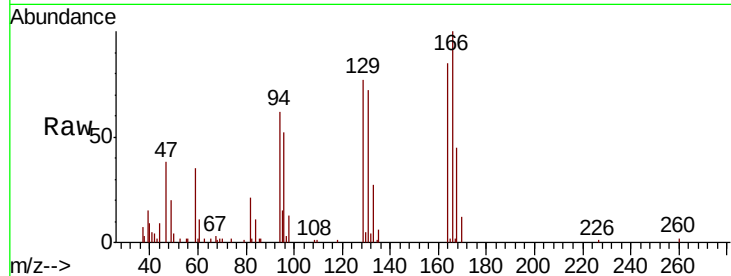
#52
Tetrachloroethene
Concen: 0.416 ppbv m
RT: 11.28 min Scan# 2640
Delta R.T. 0.01 min
Lab File: VL034539.D
Acq: 31 Dec 2019 9:03

Instrument :
MSVOA_L
ClientSampled :
44-2

Tot Ion	Ratio	Lower	Upper
164	100		
166	117.4	95.7	143.5
129	90.6	82.2	123.2
131	84.9	81.3	121.9

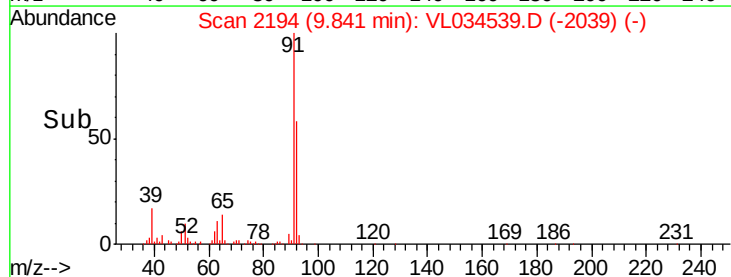
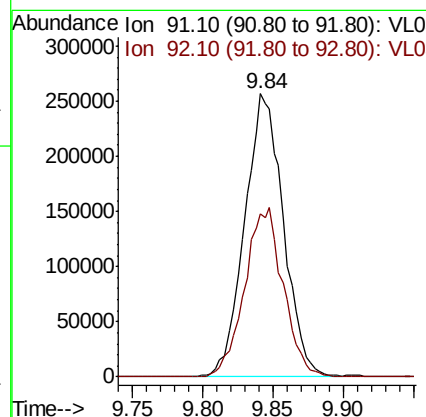
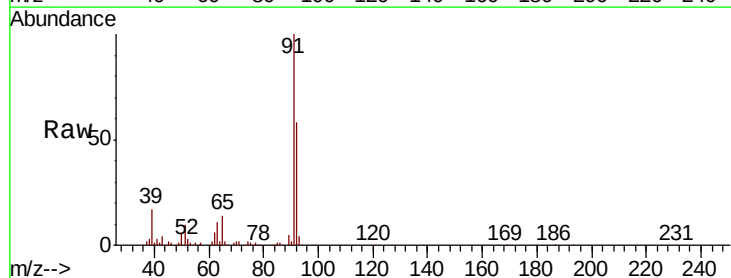
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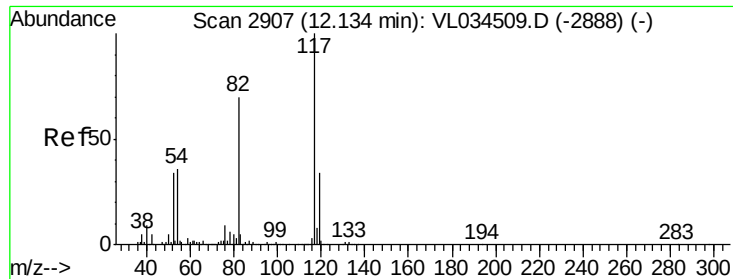
apatel
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#53
Toluene
Concen: 2.713 ppbv
RT: 9.84 min Scan# 2194
Delta R.T. -0.00 min
Lab File: VL034539.D
Acq: 31 Dec 2019 9:03

Tgt Ion	Ratio	Lower	Upper
91	100		
92	59.5	48.4	72.6





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.13 min Scan# 2907

Delta R.T. -0.00 min

Lab File: VL034539.D

Acq: 31 Dec 2019 9:03

Instrument :

MSVOA_L

ClientSampled :

44-2

Tot Ion:117 Resp: 1849409

Ion Ratio Lower Upper

117 100

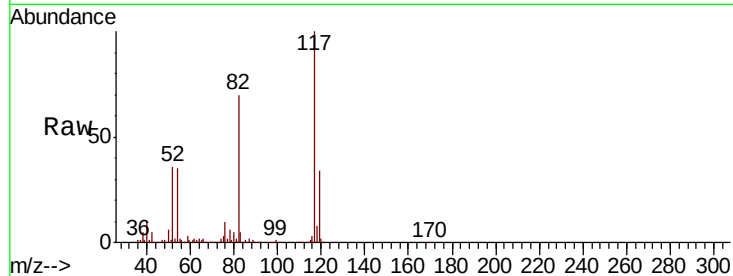
82 70.6 56.2 84.4

119 33.1 27.1 40.7

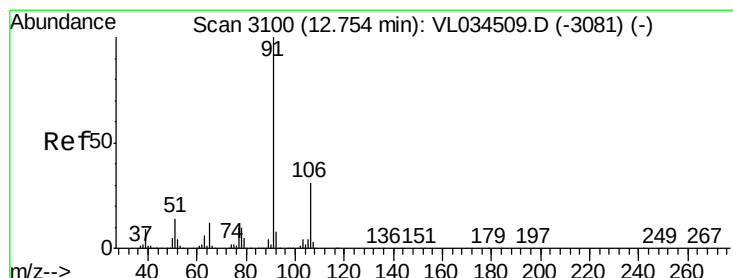
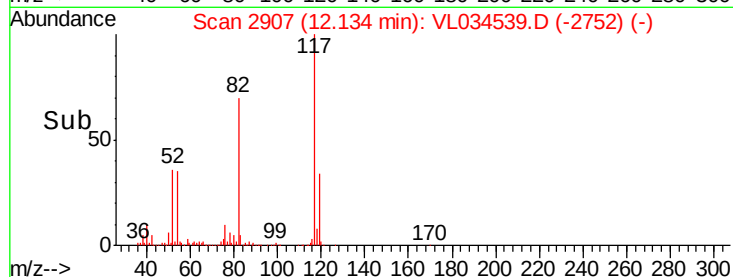
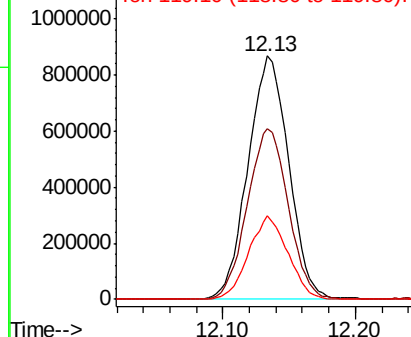
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Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V



#58

Ethyl Benzene

Concen: 0.482 ppbv m

RT: 12.75 min Scan# 3100

Delta R.T. -0.00 min

Lab File: VL034539.D

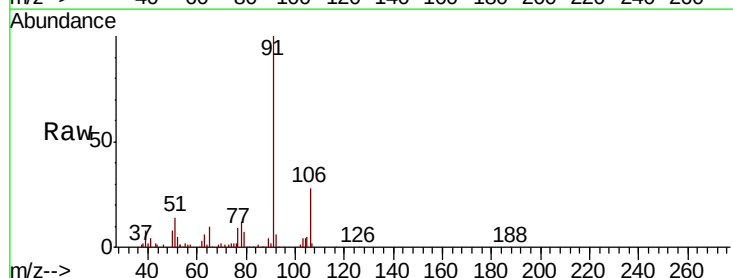
Acq: 31 Dec 2019 9:03

Tgt Ion: 91 Resp: 120210

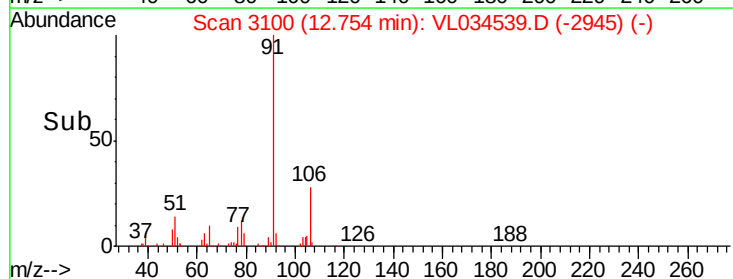
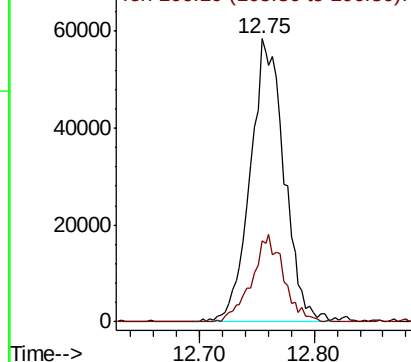
Ion Ratio Lower Upper

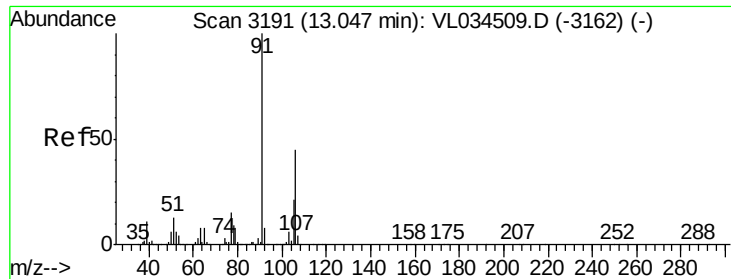
91 100

106 28.5 24.6 36.8



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





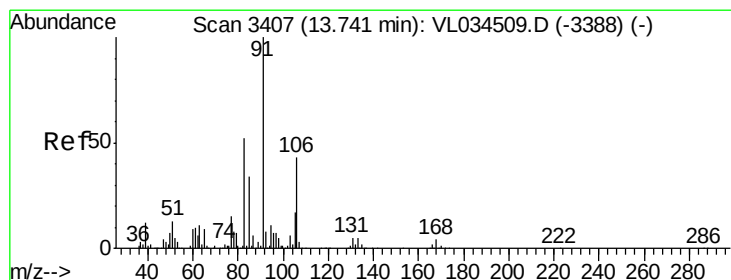
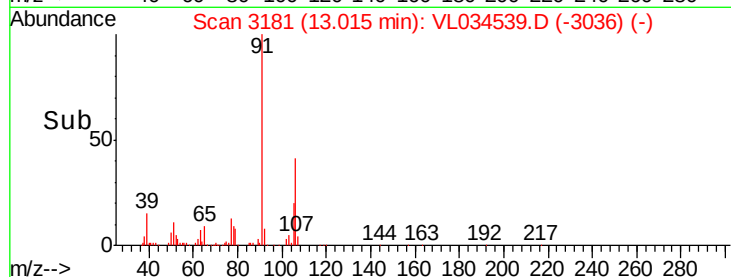
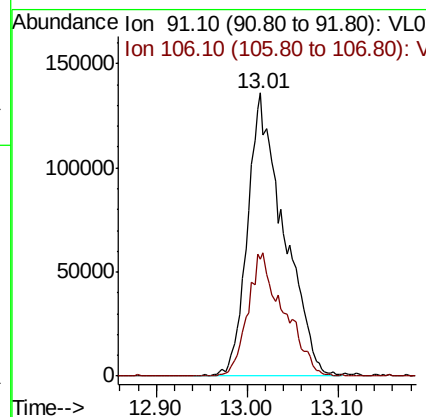
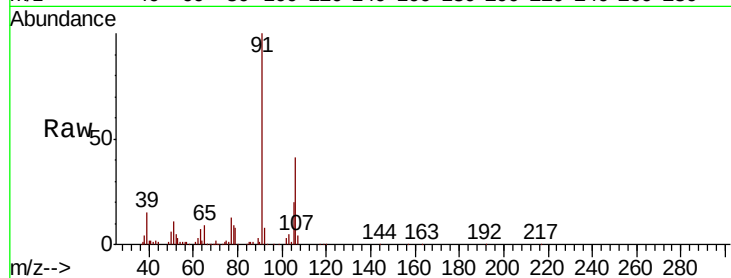
#59
m/p-Xylene
Concen: 1.727 ppbv m
RT: 13.01 min Scan# 3181
Delta R.T. -0.03 min
Lab File: VL034539.D
Acq: 31 Dec 2019 9:03

Instrument :
MSVOA_L
ClientSampled :
44-2

Tot Ion: 91 Resp: 376760
Ion Ratio Lower Upper
91 100
106 43.1 35.6 53.4

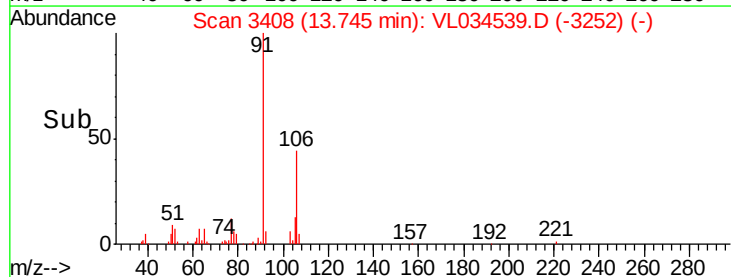
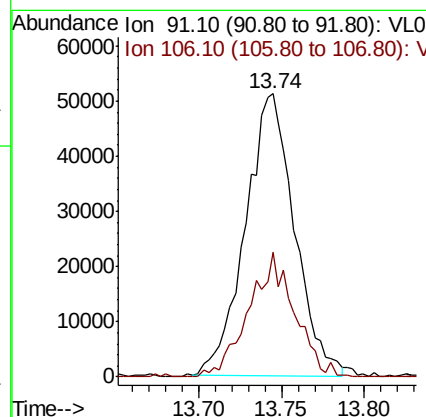
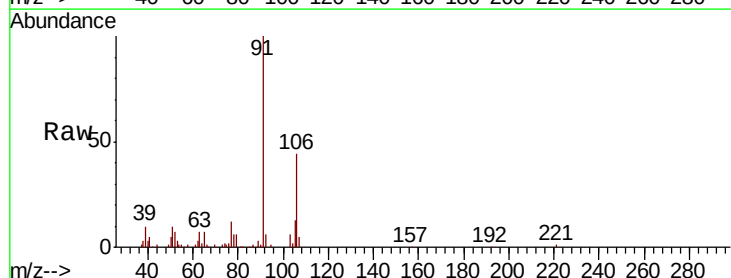
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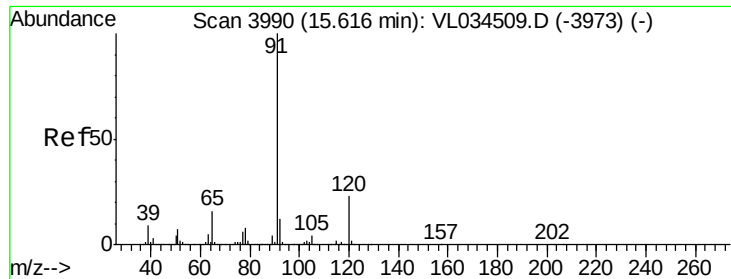
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#60
o-Xylene
Concen: 0.483 ppbv
RT: 13.74 min Scan# 3408
Delta R.T. 0.00 min
Lab File: VL034539.D
Acq: 31 Dec 2019 9:03

Tgt Ion: 91 Resp: 105655
Ion Ratio Lower Upper
91 100
106 40.7 21.4 64.3





#64

n-propylbenzene

Concen: 0.142 ppbv m

RT: 15.61 min Scan# 3988

Delta R.T. -0.01 min

Lab File: VL034539.D

Acq: 31 Dec 2019 9:03

Instrument :

MSVOA_L

ClientSampled :

44-2

Tot Ion:120 Resp: 10408

Ion Ratio Lower Upper

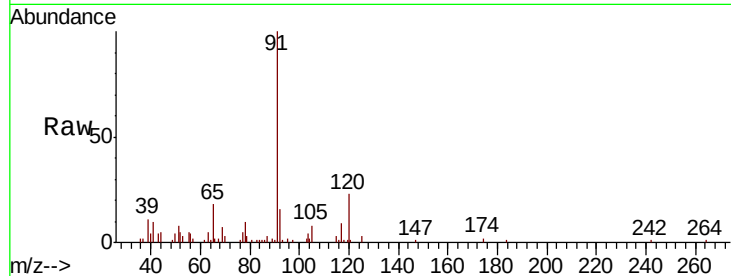
120 100

91 554.4 375.6 563.4

Manual Integrations
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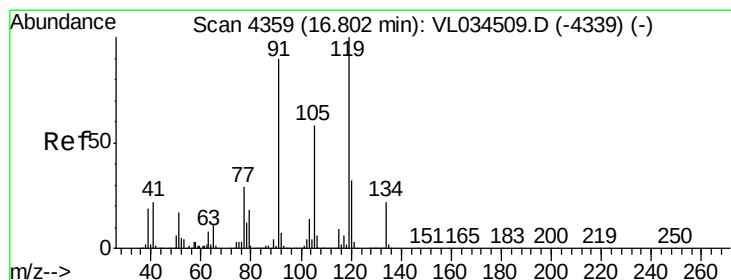
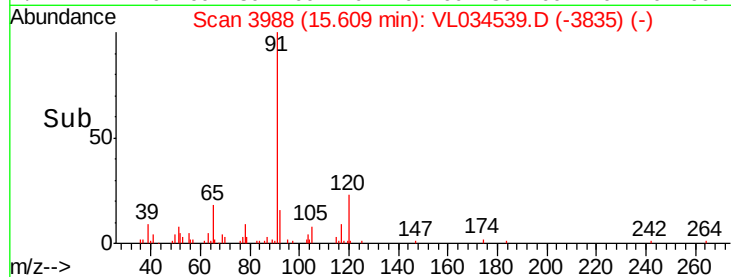
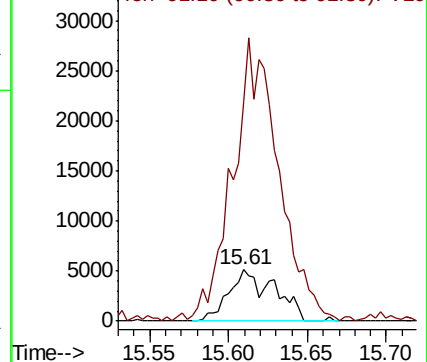
apatel

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Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0



#65

tert-Butylbenzene

Concen: 0.100 ppbv m

RT: 16.83 min Scan# 4367

Delta R.T. 0.03 min

Lab File: VL034539.D

Acq: 31 Dec 2019 9:03

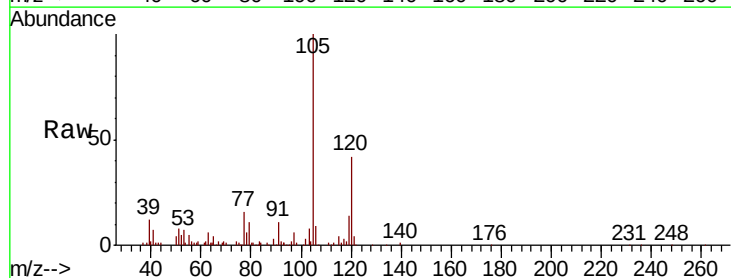
Tgt Ion:119 Resp: 25890

Ion Ratio Lower Upper

119 100

91 126.6 72.0 108.0#

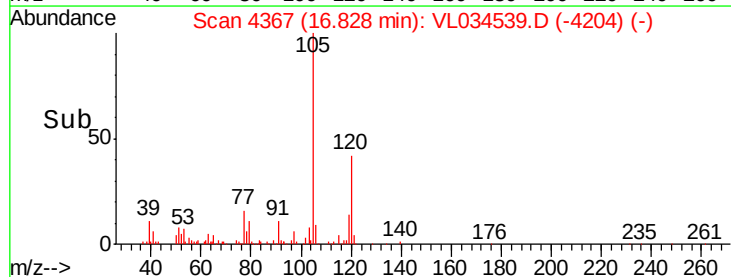
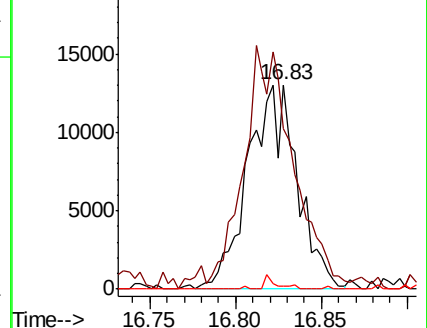
134 0.0 16.1 24.1#

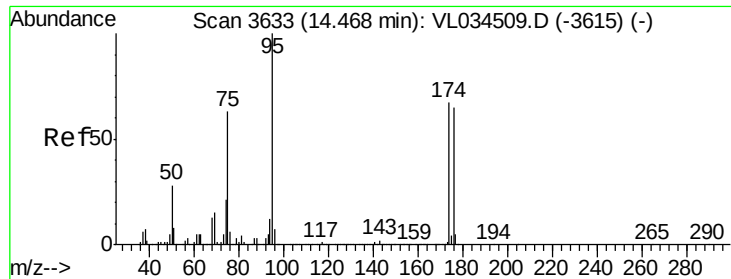


Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V





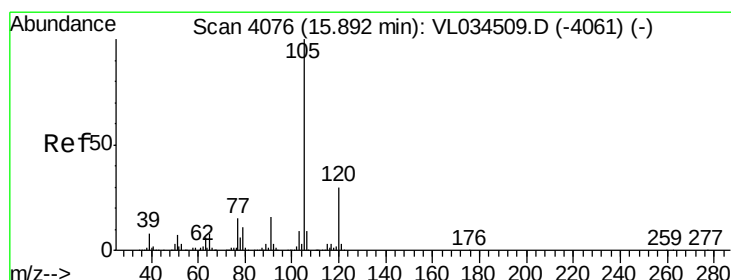
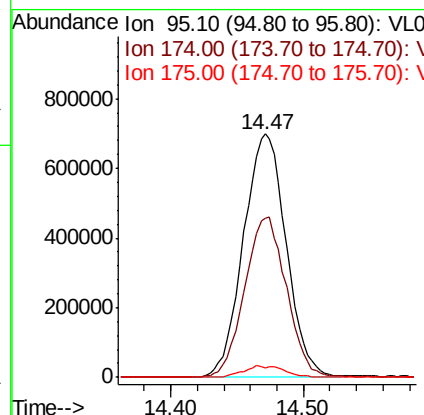
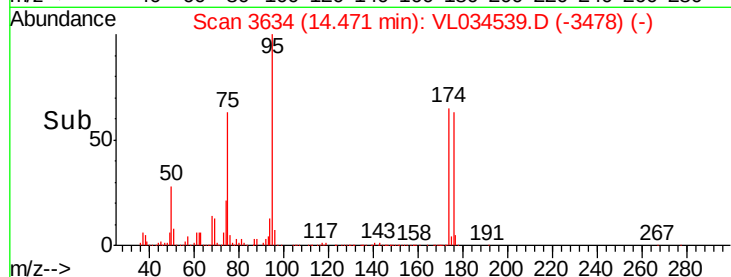
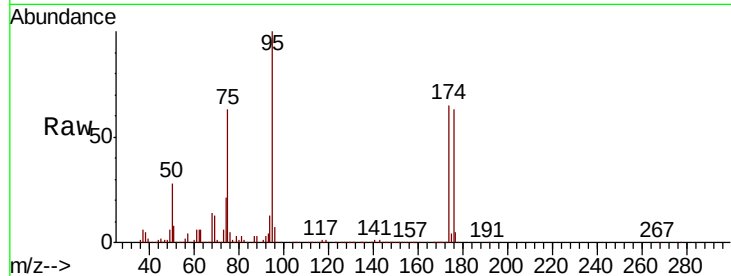
#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.139 ppbv
 RT: 14.47 min Scan# 3634
 Delta R.T. 0.00 min
 Lab File: VL034539.D
 Acq: 31 Dec 2019 9:03

Instrument :
 MSVOA_L
 ClientSampleId :
 44-2

Tot Ion: 95 Resp: 1564628
 Ion Ratio Lower Upper
 95 100
 174 64.3 52.4 78.6
 175 4.6 3.9 5.9

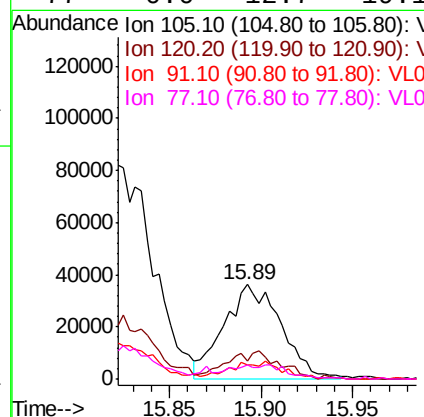
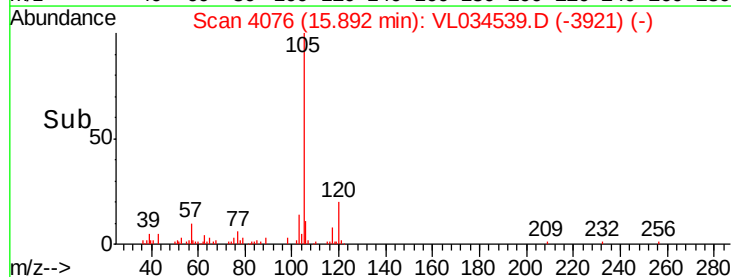
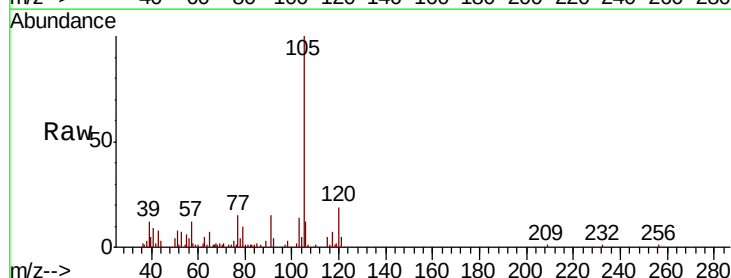
Manual Integrations
 APPROVED

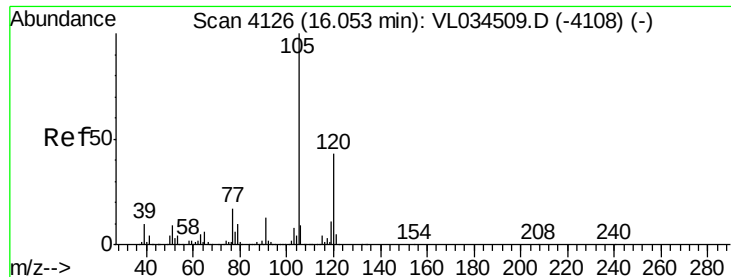
apatel
 1/2/2020 10:50:33 AM



#72
 4-Ethyltoluene
 Concen: 0.321 ppbv m
 RT: 15.89 min Scan# 4076
 Delta R.T. -0.00 min
 Lab File: VL034539.D
 Acq: 31 Dec 2019 9:03

Tgt Ion: 105 Resp: 78637
 Ion Ratio Lower Upper
 105 100
 120 0.0 23.7 35.5#
 91 0.0 11.5 17.3#
 77 0.0 12.7 19.1#





#73

1,3,5-Trimethylbenzene

Concen: 0.297 ppbv

RT: 16.06 min Scan# 4127

Delta R.T. 0.00 min

Lab File: VL034539.D

Acq: 31 Dec 2019 9:03

Instrument :

MSVOA_L

ClientSampled :

44-2

Tot Ion:105 Resp: 71419

Ion Ratio Lower Upper

105 100

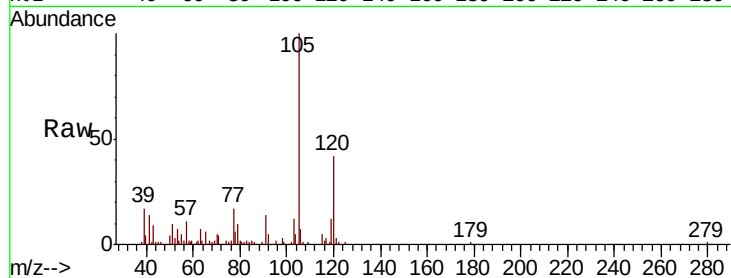
120 43.7 34.6 52.0

Manual Integrations

APPROVED

apatel

1/2/2020 10:50:33 AM



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

16.06

30000

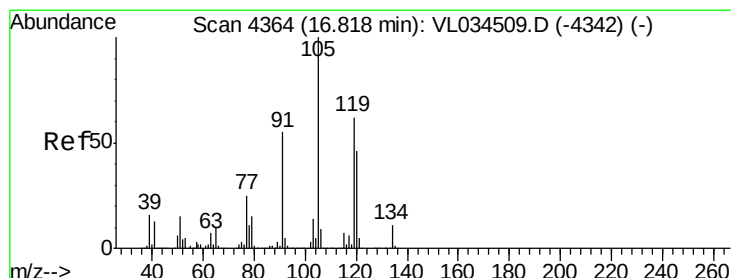
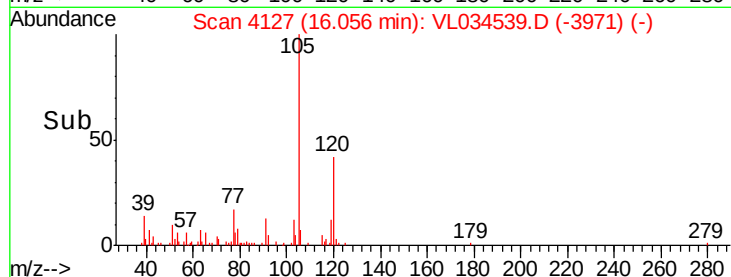
20000

10000

0

Time-->

16.00 16.05 16.10



#74

1,2,4-Trimethylbenzene

Concen: 0.896 ppbv m

RT: 16.82 min Scan# 4364

Delta R.T. -0.00 min

Lab File: VL034539.D

Acq: 31 Dec 2019 9:03

Tgt Ion:105 Resp: 230293

Ion Ratio Lower Upper

105 100

120 42.5 36.7 55.1

91 12.1 44.0 66.0#

77 17.4 19.9 29.9#

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

150000

100000

50000

0

Time-->

16.70 16.80 16.90

