

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100719\
 Data File : VL034241.D
 Acq On : 8 Oct 2019 3:38
 Operator : SY/AP
 Sample : K5222-03
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 V-3

Manual Integrations
 APPROVED

MMDadoda
 10/11/2019 5:06:06 PM

Quant Time: Oct 09 04:26:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Sep 18 2019
 QLast Update : Wed Sep 18 12:53:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.70	49	1088250	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.22	114	1894985	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.18	117	1884481	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.50	95	1727894	10.55	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.03	85	100753	0.627	ppbv #	86
4) Chloromethane	3.12	50	38884	0.519	ppbv #	82
5) Vinyl Chloride	3.24	62	283785	4.141	ppbv	95
9) Propene	2.99	41	1206362	19.163	ppbv	93
10) Heptane	8.17	43	929405	5.665	ppbv	98
11) Trichlorofluoromethane	3.95	101	42211	0.288	ppbv	94
13) Ethanol	3.62	45	6184027	405.666	ppbv	96
15) Acetone	3.85	43	12495879	85.673	ppbv #	49
17) tert-Butyl alcohol	4.32	59	1406729	15.222	ppbv	98
18) 1,1-Dichloroethene	4.29	96	9254	0.222	ppbv #	54
19) Isopropyl Alcohol	4.00	45	697301	7.774	ppbv #	1
20) Methylene Chloride	4.36	84	525085	12.486	ppbv	94
22) trans-1,2-Dichloroethene	4.90	96	31103	0.744	ppbv #	94
26) Hexane	5.71	57	1310574	11.423	ppbv #	41
27) Carbon Disulfide	4.56	76	505510	4.777	ppbv	94
29) Chloroform	5.79	83	686776	4.189	ppbv	100
30) Cyclohexane	7.18	84	429940	5.190	ppbv	97
31) cis-1,2-Dichloroethene	5.58	61	6785736	58.018	ppbv #	62
34) 2-Butanone	5.27	43	3555450	18.375	ppbv	96
35) Carbon Tetrachloride	7.06	117	10802m	0.069	ppbv	
36) Benzene	6.94	78	1568498	7.494	ppbv	99
38) Trichloroethene	7.89	130	2934417	39.241	ppbv	97
44) 2,2,4-Trimethylpentane	7.92	57	1603405	3.980	ppbv #	81
50) 4-Methyl-2-Pentanone	8.80	43	3550970	12.610	ppbv	100
51) 2-Hexanone	10.20	43	1469005	6.216	ppbv #	98
52) Tetrachloroethene	11.39	164	28254219m	408.614	ppbv	
53) Toluene	9.87	91	5279541	23.082	ppbv	96
58) Ethyl Benzene	12.80	91	1369225m	4.503	ppbv	
59) m/p-Xylene	13.05	91	3736513	14.836	ppbv	99
60) o-Xylene	13.78	91	1512038	6.004	ppbv	97
61) Styrene	13.62	104	127500	0.707	ppbv	94
62) Isopropylbenzene	14.75	105	121449m	0.373	ppbv	
64) n-propylbenzene	15.65	120	105384	1.278	ppbv	76
70) n-Butylbenzene	18.67	91	360483	0.939	ppbv #	81
72) 4-Ethyltoluene	15.92	105	575219	2.022	ppbv	97
73) 1,3,5-Trimethylbenzene	16.09	105	501030	1.823	ppbv	97
74) 1,2,4-Trimethylbenzene	16.85	105	1666397	5.710	ppbv #	70
79) Naphthalene	22.33	128	152758	0.595	ppbv #	93

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

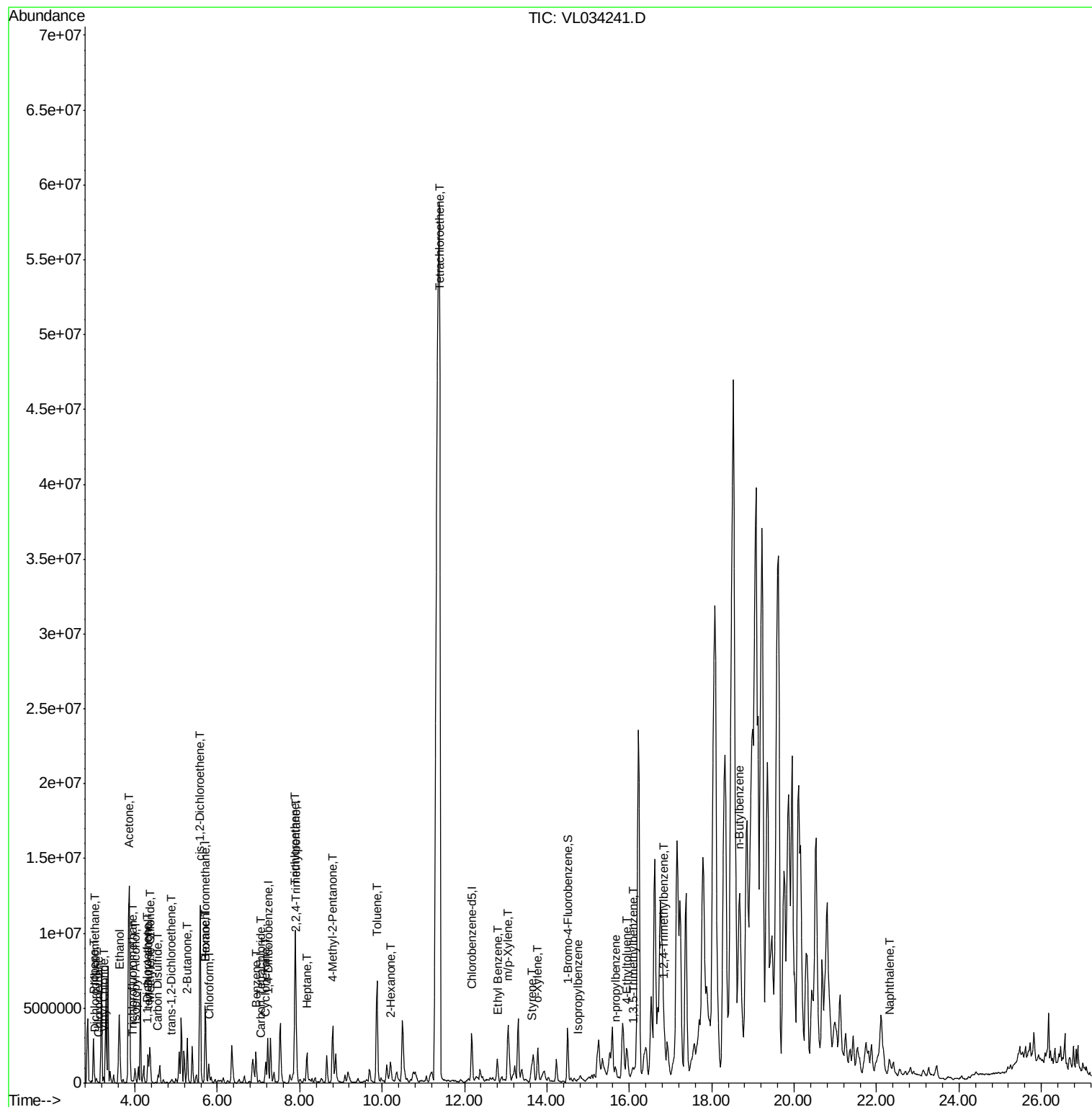
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100719\
Data File : VL034241.D
Acq On : 8 Oct 2019 3:38
Operator : SY/AP
Sample : K5222-03
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

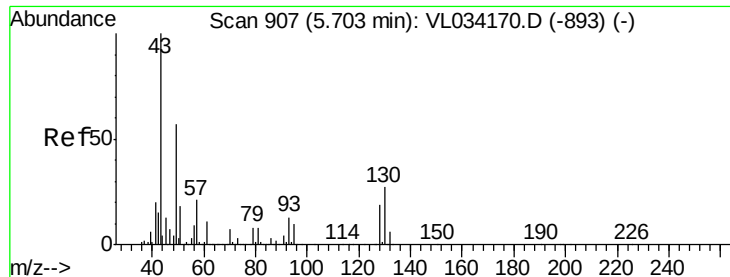
Instrument :
MSVOA_L
ClientSampleId :
V-3

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Quant Time: Oct 09 04:26:46 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Sep
QLast Update : Wed Sep 18 12:53:31 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.70 min Scan# 907

Delta R.T. 0.00 min

Lab File: VL034241.D

Acq: 8 Oct 2019 3:38

Instrument :

MSVOA_L

ClientSampleId :

V-3

Tgt Ion: 49 Resp: 1088250

Ion Ratio Lower Upper

49 100

128 35.7 17.6 52.9

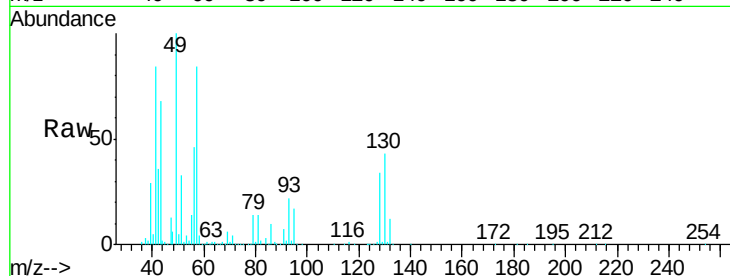
130 44.8 22.3 66.9

Manual Integrations

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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

800000

600000

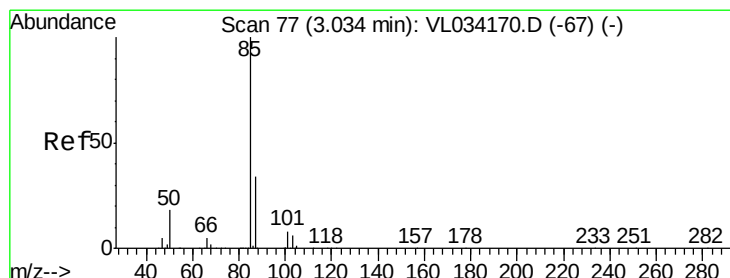
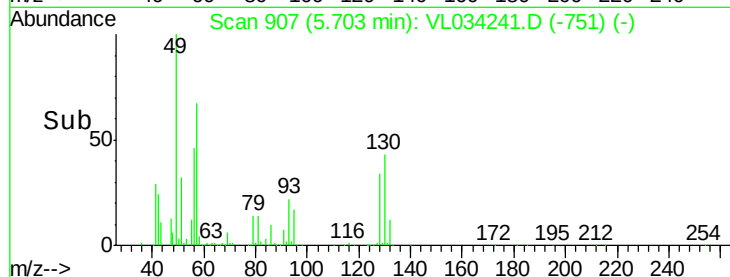
400000

200000

0

5.65 5.70 5.75

Time-->



#2

Dichlorodifluoromethane

Concen: 0.627 ppbv

RT: 3.03 min Scan# 75

Delta R.T. -0.01 min

Lab File: VL034241.D

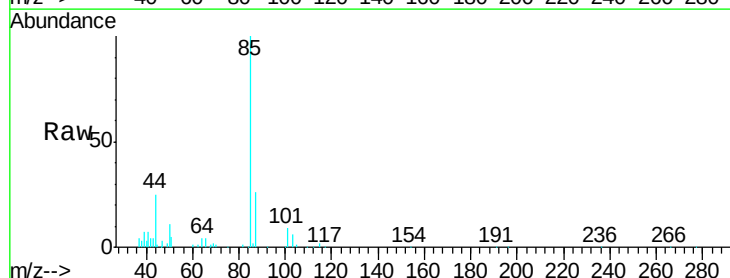
Acq: 8 Oct 2019 3:38

Tgt Ion: 85 Resp: 100753

Ion Ratio Lower Upper

85 100

87 26.2 27.2 40.8#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

100000

80000

60000

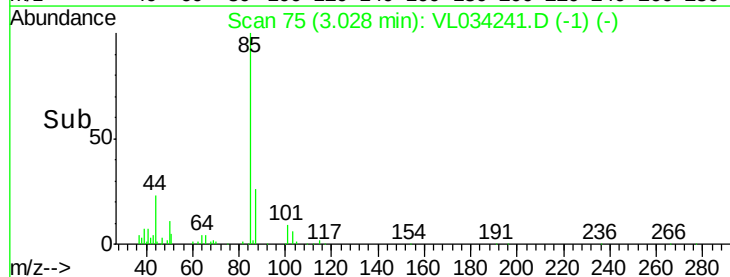
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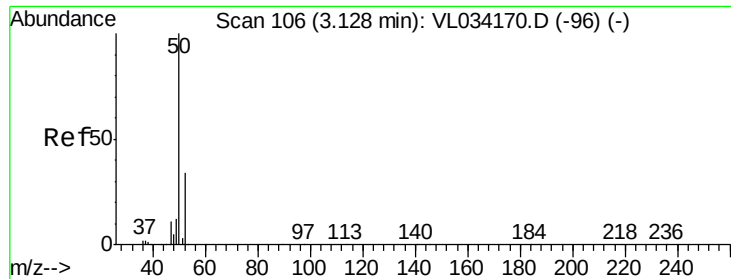
20000

0

3.00 3.03 3.05

Time-->





#4

Chloromethane

Concen: 0.519 ppbv

RT: 3.12 min Scan# 105

Delta R.T. -0.00 min

Lab File: VL034241.D

Acq: 8 Oct 2019 3:38

Instrument :

MSVOA_L

ClientSampleId :

V-3

Tgt Ion: 50 Resp: 38884

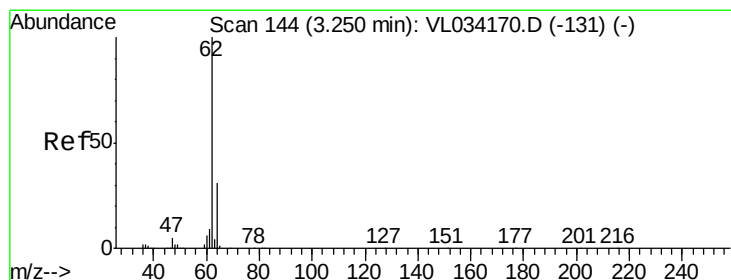
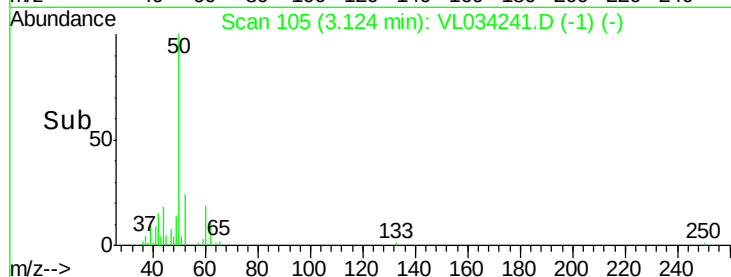
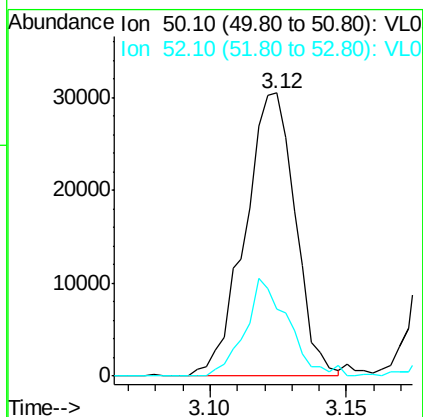
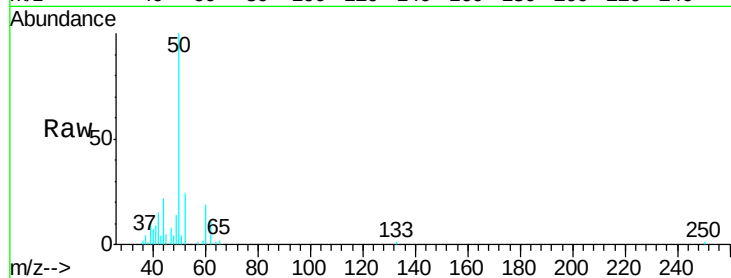
Ion Ratio Lower Upper

50 100

52 23.8 27.1 40.7#

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#5

Vinyl Chloride

Concen: 4.141 ppbv

RT: 3.24 min Scan# 141

Delta R.T. -0.01 min

Lab File: VL034241.D

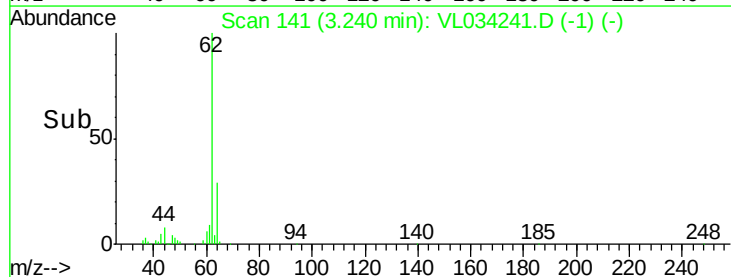
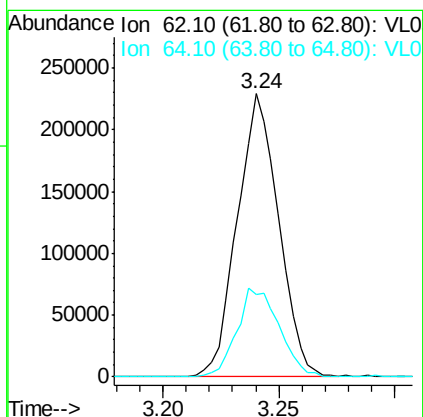
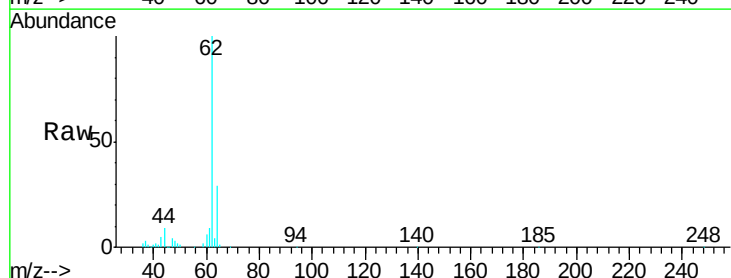
Acq: 8 Oct 2019 3:38

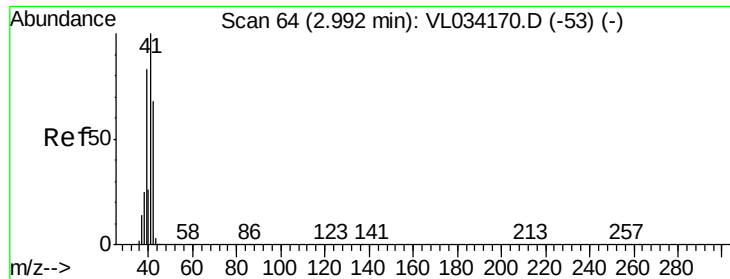
Tgt Ion: 62 Resp: 283785

Ion Ratio Lower Upper

62 100

64 29.0 25.2 37.8





#9

Propene

Concen: 19.163 ppbv

RT: 2.99 min Scan# 63

Delta R.T. -0.00 min

Lab File: VL034241.D

Acq: 8 Oct 2019 3:38

Instrument :

MSVOA_L

ClientSampled :

V-3

Tgt Ion: 41 Resp: 1206362

Ion Ratio Lower Upper

41 100

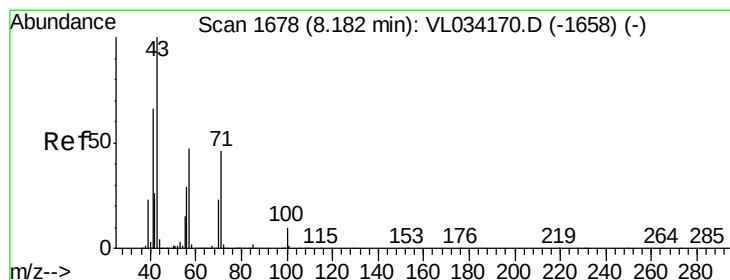
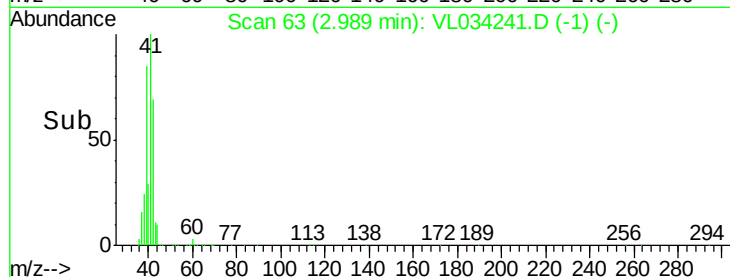
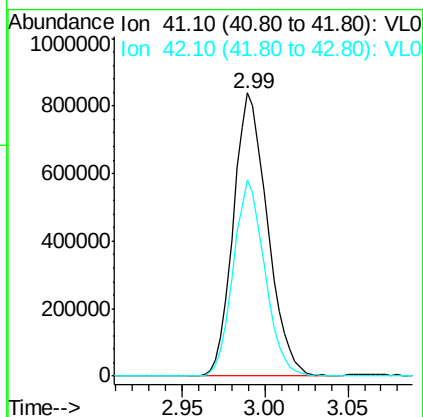
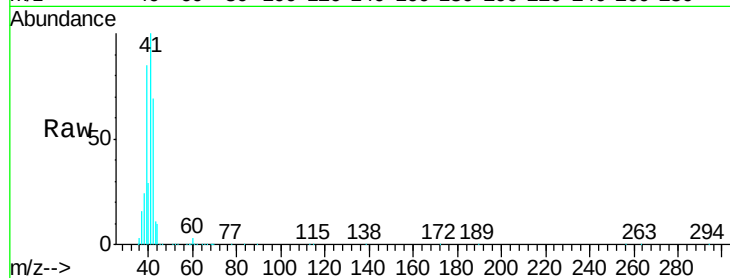
42 64.0 55.8 83.6

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#10

Heptane

Concen: 5.665 ppbv

RT: 8.17 min Scan# 1675

Delta R.T. -0.01 min

Lab File: VL034241.D

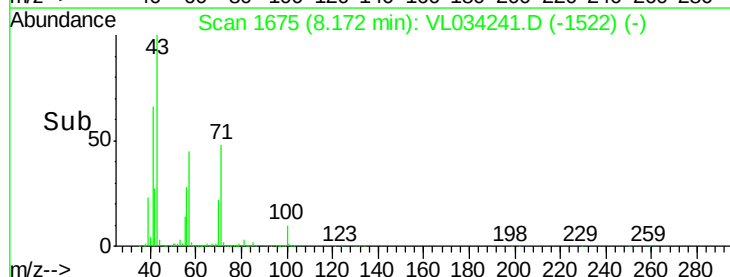
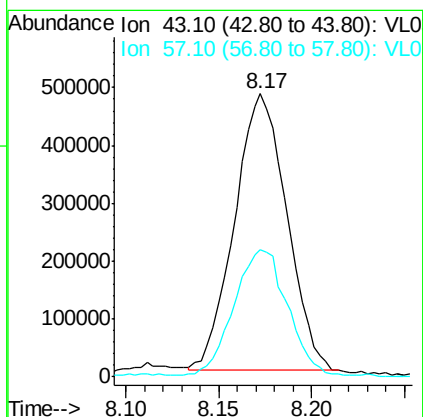
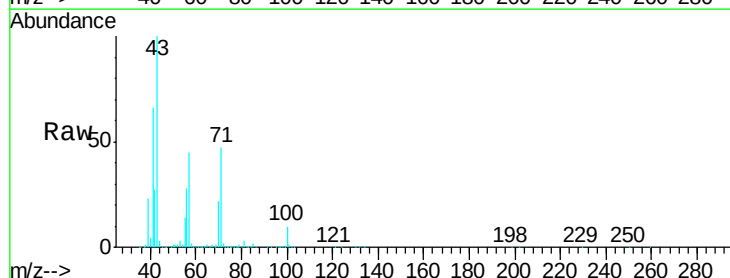
Acq: 8 Oct 2019 3:38

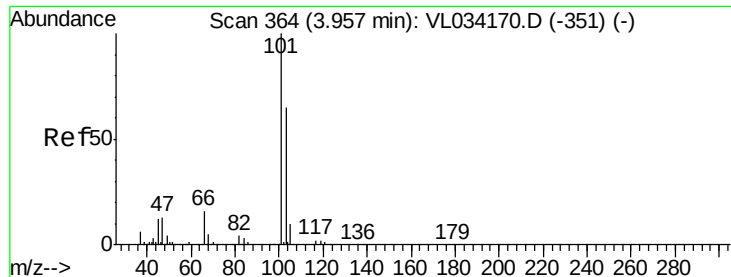
Tgt Ion: 43 Resp: 929405

Ion Ratio Lower Upper

43 100

57 48.0 37.5 56.3





#11

Trichlorofluoromethane

Concen: 0.288 ppbv

RT: 3.95 min Scan# 362

Delta R.T. -0.01 min

Lab File: VL034241.D

Acq: 8 Oct 2019 3:38

Instrument :

MSVOA_L

ClientSampleId :

V-3

Tgt Ion: 101 Resp: 42211

Ion Ratio Lower Upper

101 100

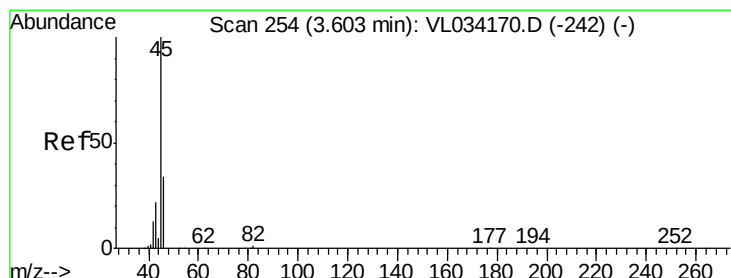
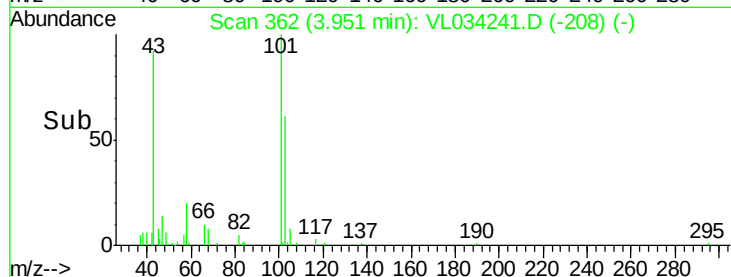
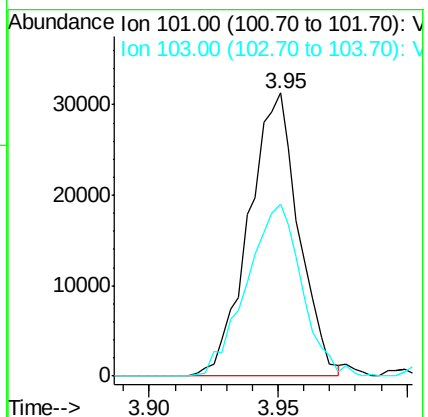
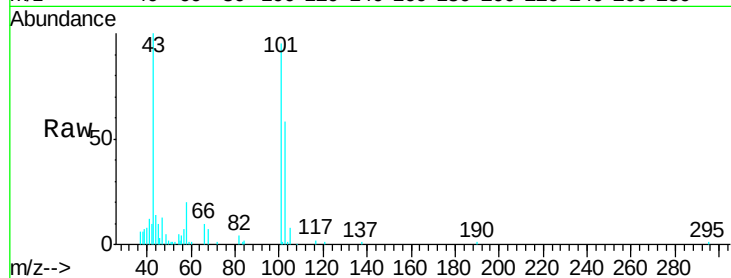
103 60.6 52.1 78.1

Manual Integrations

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#13

Ethanol

Concen: 405.666 ppbv

RT: 3.62 min Scan# 259

Delta R.T. 0.02 min

Lab File: VL034241.D

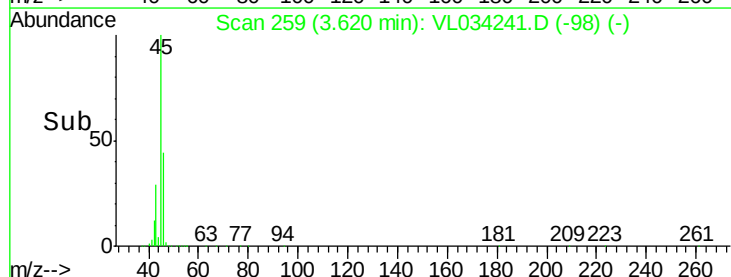
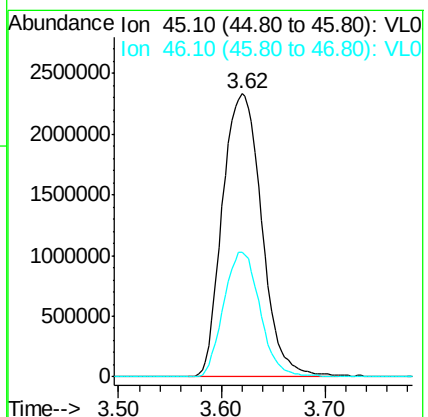
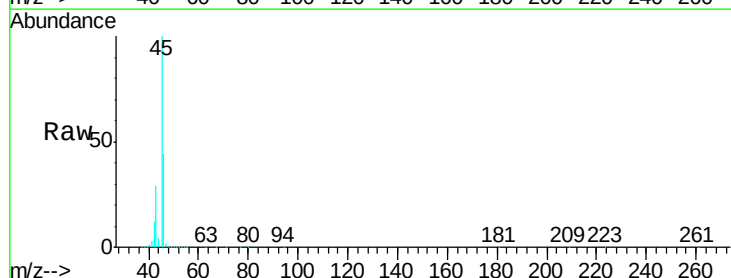
Acq: 8 Oct 2019 3:38

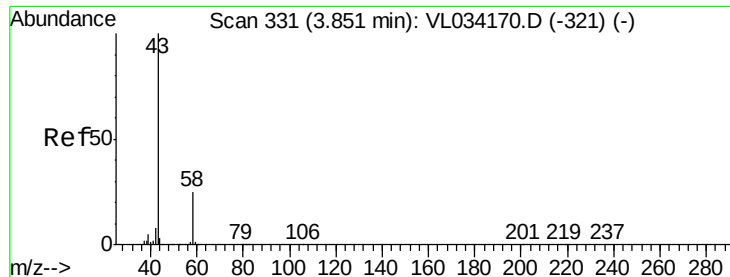
Tgt Ion: 45 Resp: 6184027

Ion Ratio Lower Upper

45 100

46 41.1 15.5 61.9





#15

Acetone

Concen: 85.673 ppbv

RT: 3.85 min Scan# 330

Delta R.T. -0.00 min

Lab File: VL034241.D

Acq: 8 Oct 2019 3:38

Instrument :

MSVOA_L

ClientSampled :

V-3

Tgt Ion: 43 Resp:12495879

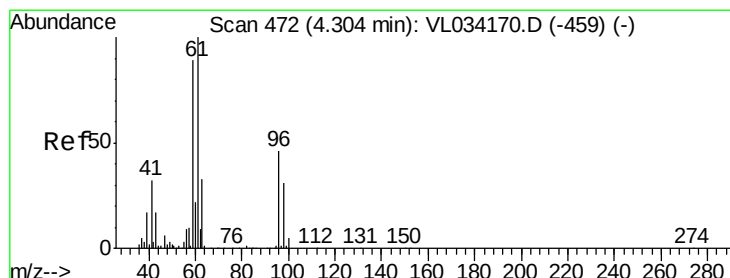
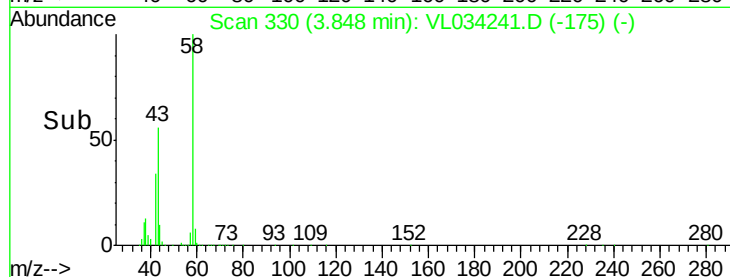
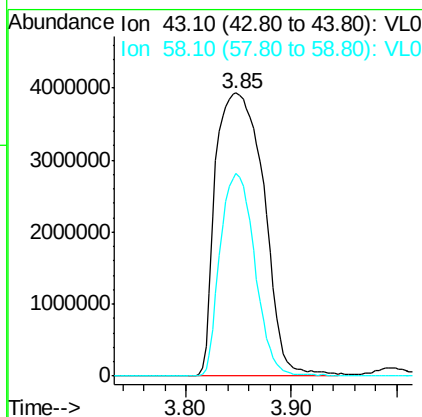
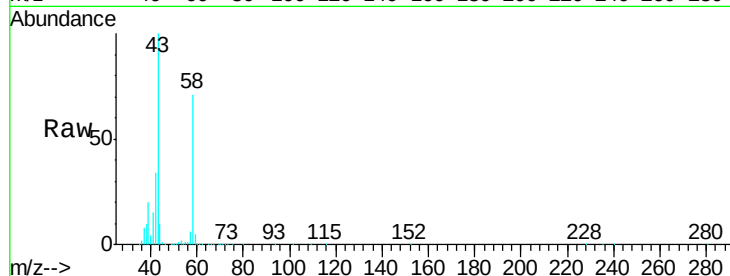
Ion Ratio Lower Upper

43 100

58 51.4 20.5 30.7#

Manual Integrations
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#17

tert-Butyl alcohol

Concen: 15.222 ppbv

RT: 4.32 min Scan# 478

Delta R.T. 0.02 min

Lab File: VL034241.D

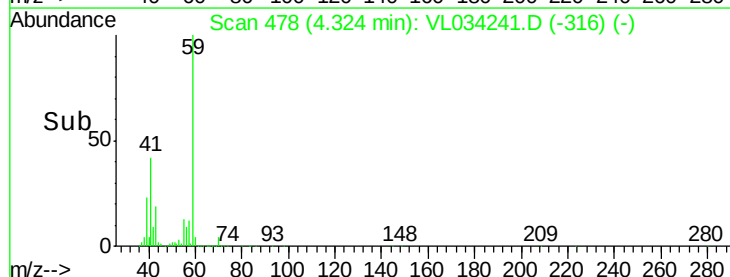
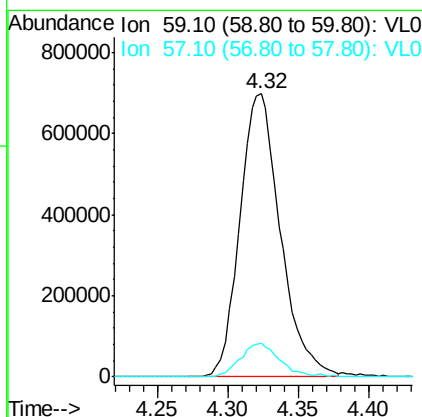
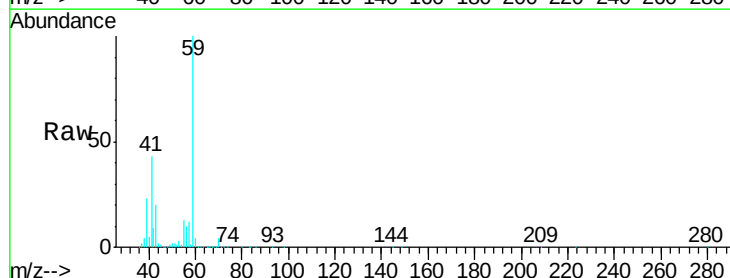
Acq: 8 Oct 2019 3:38

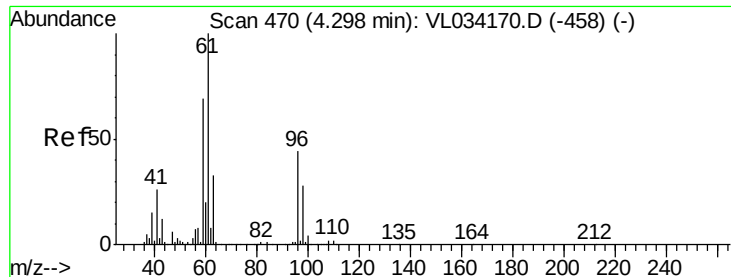
Tgt Ion: 59 Resp: 1406729

Ion Ratio Lower Upper

59 100

57 11.8 8.7 13.1





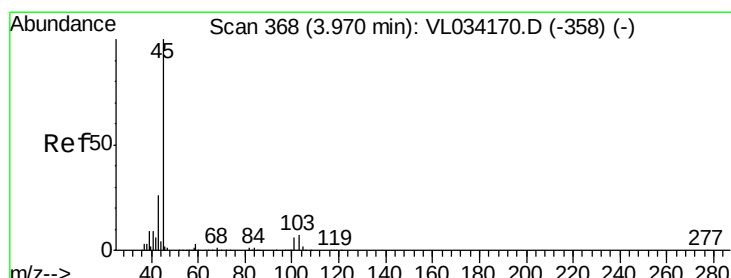
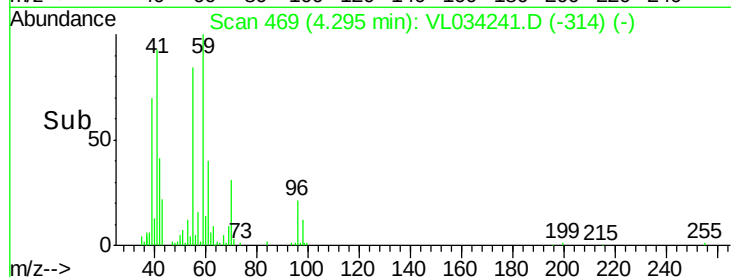
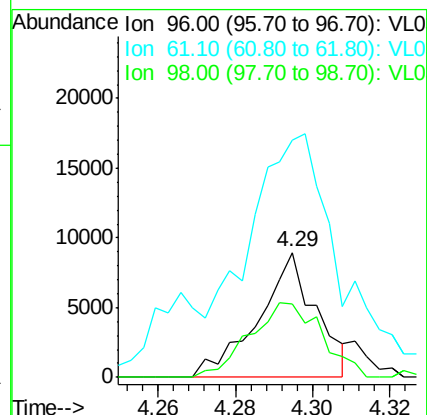
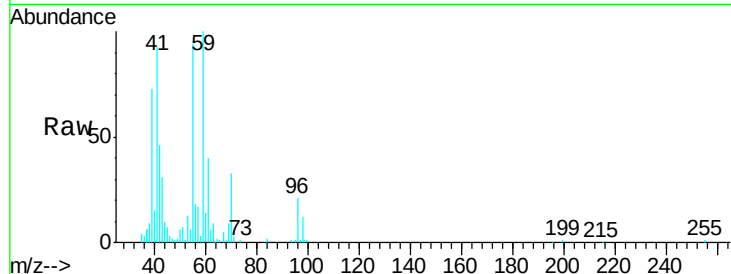
#18
 1,1-Dichloroethene
 Concen: 0.222 ppbv
 RT: 4.29 min Scan# 469
 Delta R.T. -0.00 min
 Lab File: VL034241.D
 Acq: 8 Oct 2019 3:38

Instrument :
 MSVOA_L
 ClientSampled :
 V-3

Tgt Ion: 96 Resp: 9254
 Ion Ratio Lower Upper
 96 100
 61 135.1 183.3 274.9#
 98 59.1 51.4 77.2

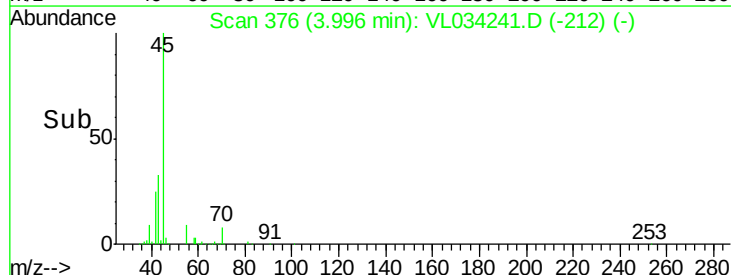
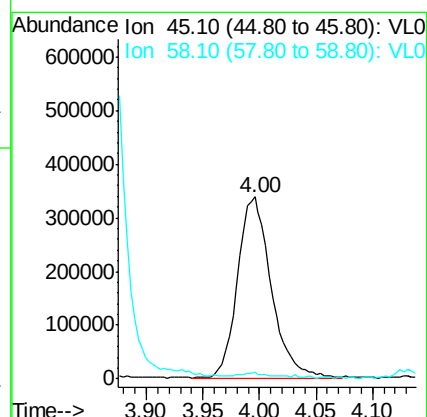
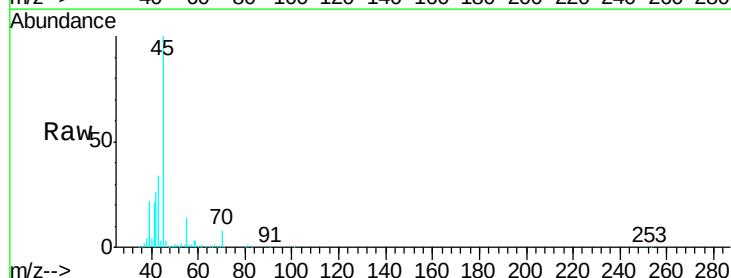
Manual Integrations
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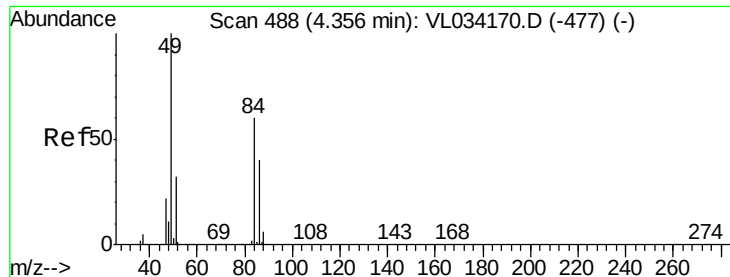
MMDadoda
 10/11/2019 5:06:06 PM



#19
 Isopropyl Alcohol
 Concen: 7.774 ppbv
 RT: 4.00 min Scan# 376
 Delta R.T. 0.03 min
 Lab File: VL034241.D
 Acq: 8 Oct 2019 3:38

Tgt Ion: 45 Resp: 697301
 Ion Ratio Lower Upper
 45 100
 58 922.0 1.4 2.0#





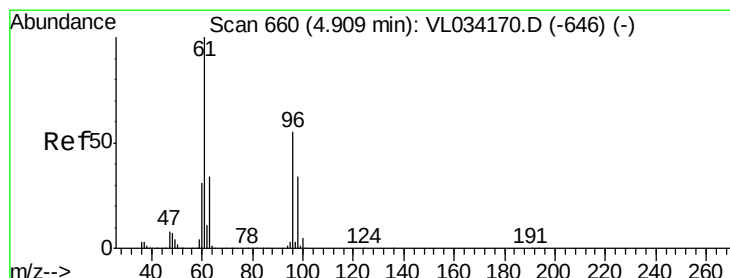
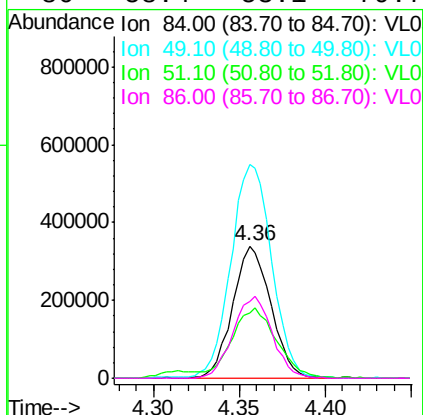
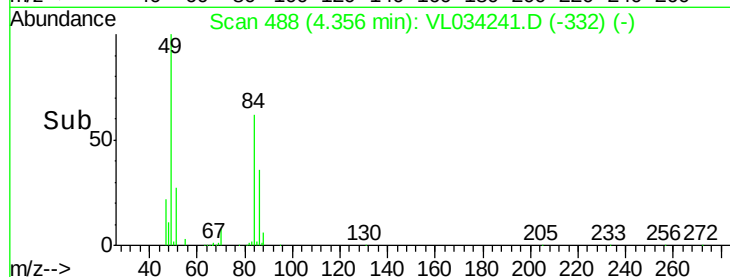
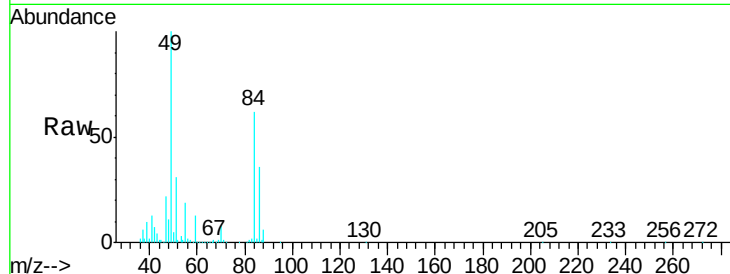
#20
Methylene Chloride
Concen: 12.486 ppbv
RT: 4.36 min Scan# 488
Delta R.T. 0.00 min
Lab File: VL034241.D
Acq: 8 Oct 2019 3:38

Instrument :
MSVOA_L
ClientSampled :
V-3

Tgt Ion	Ratio	Lower	Upper
84	100		
49	161.5	133.8	200.8
51	49.1	43.6	65.4
86	58.4	53.1	79.7

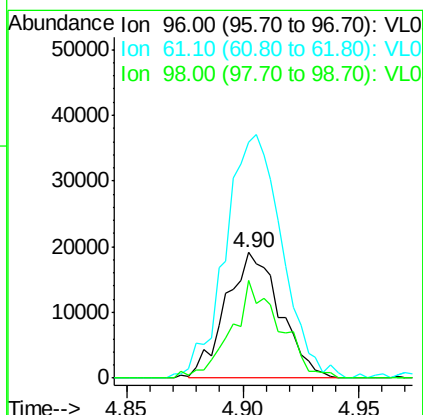
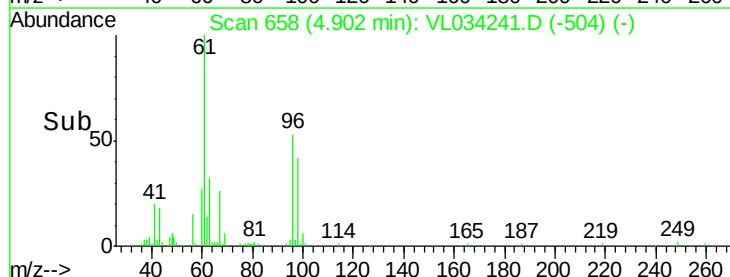
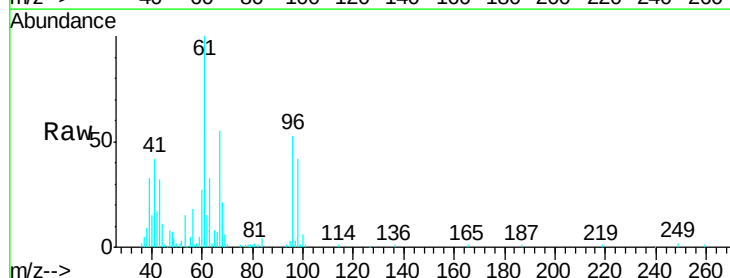
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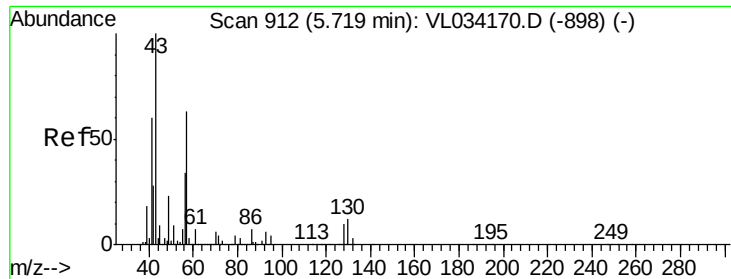
MMDadoda
10/11/2019 5:06:06 PM



#22
trans-1,2-Dichloroethene
Concen: 0.744 ppbv
RT: 4.90 min Scan# 658
Delta R.T. -0.01 min
Lab File: VL034241.D
Acq: 8 Oct 2019 3:38

Tgt Ion	Ratio	Lower	Upper
96	100		
61	183.2	145.5	218.3
98	78.0	49.9	74.9#





#26

Hexane

Concen: 11.423 ppbv

RT: 5.71 min Scan# 910

Delta R.T. -0.01 min

Lab File: VL034241.D

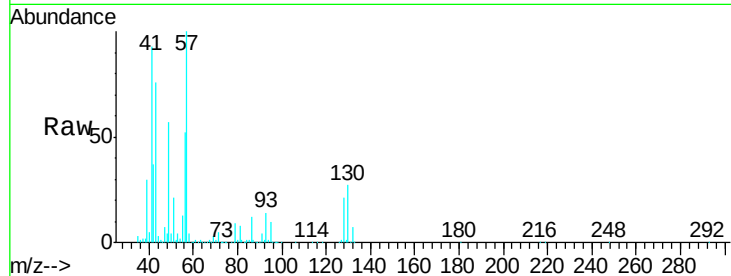
Acq: 8 Oct 2019 3:38

Instrument :

MSVOA_L

ClientSampled :

V-3



Tgt Ion: 57 Resp: 1310574

Ion Ratio Lower Upper

57 100

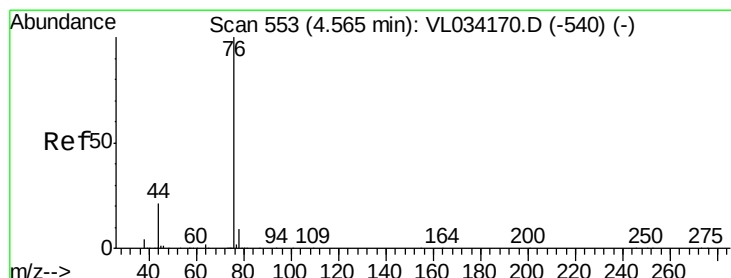
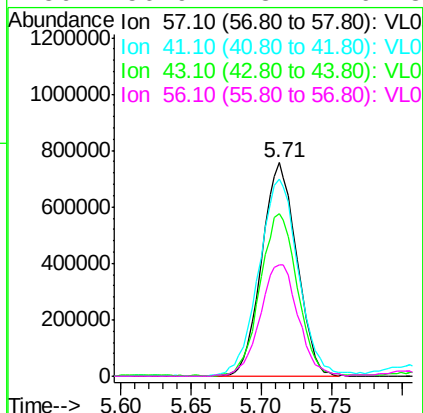
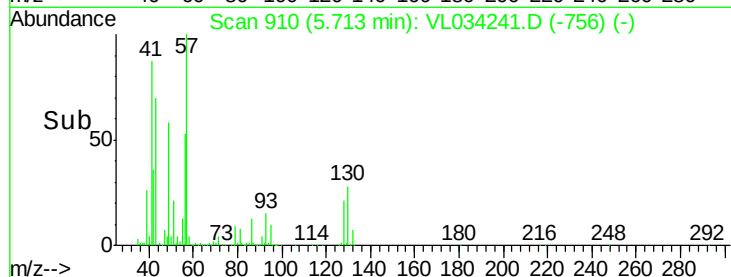
41 103.8 78.5 117.7

43 80.5 189.5 284.3#

56 56.9 43.2 64.8

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#27

Carbon Disulfide

Concen: 4.777 ppbv

RT: 4.56 min Scan# 551

Delta R.T. -0.01 min

Lab File: VL034241.D

Acq: 8 Oct 2019 3:38

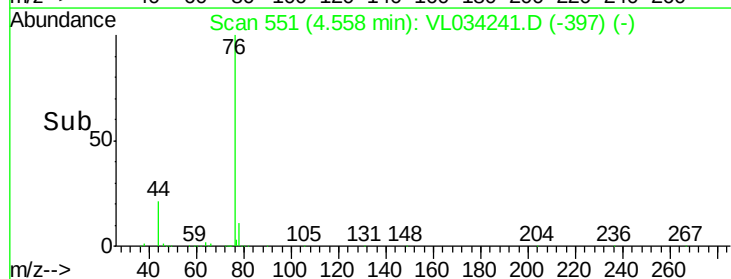
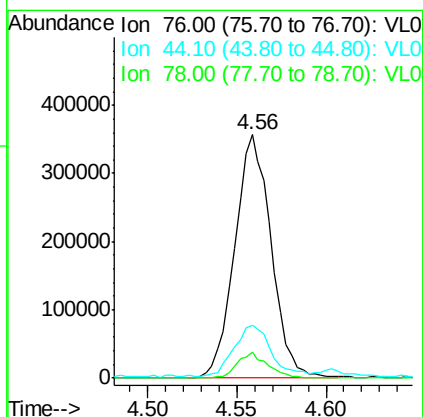
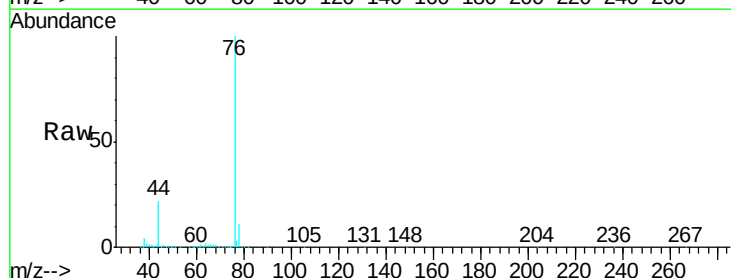
Tgt Ion: 76 Resp: 505510

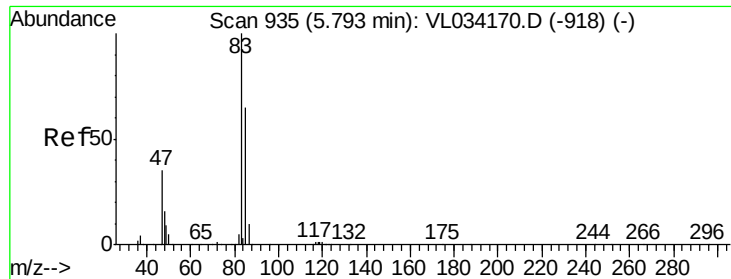
Ion Ratio Lower Upper

76 100

44 26.0 17.6 26.4

78 9.1 7.6 11.4





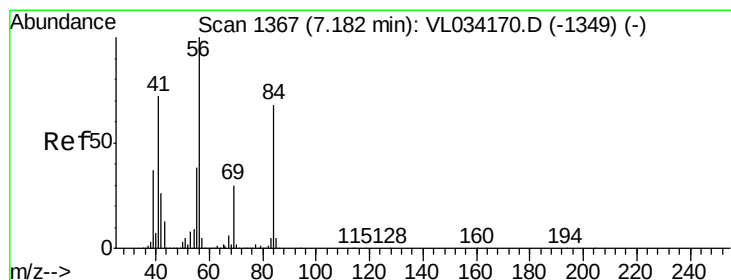
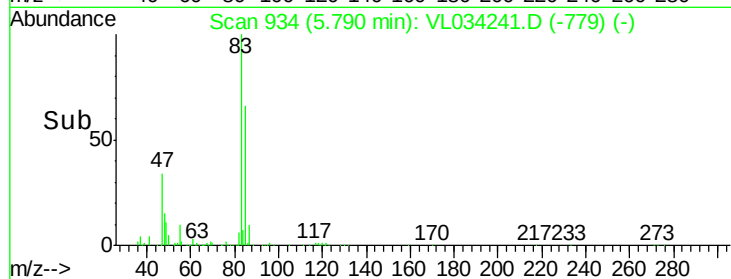
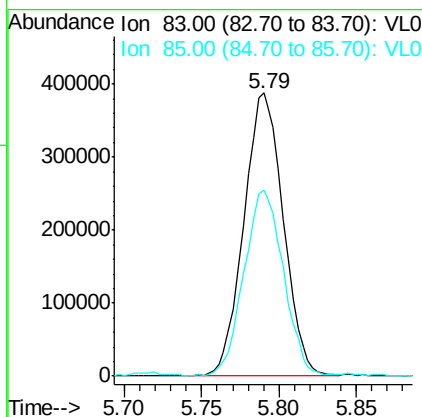
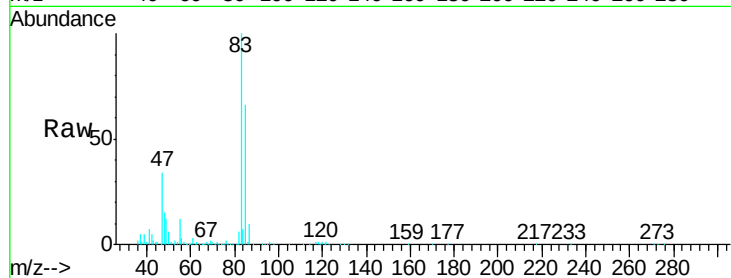
#29
Chloroform
Concen: 4.189 ppbv
RT: 5.79 min Scan# 934
Delta R.T. -0.00 min
Lab File: VL034241.D
Acq: 8 Oct 2019 3:38

Instrument :
MSVOA_L
ClientSampled :
V-3

Tgt Ion: 83 Resp: 686776
Ion Ratio Lower Upper
83 100
85 65.7 52.3 78.5

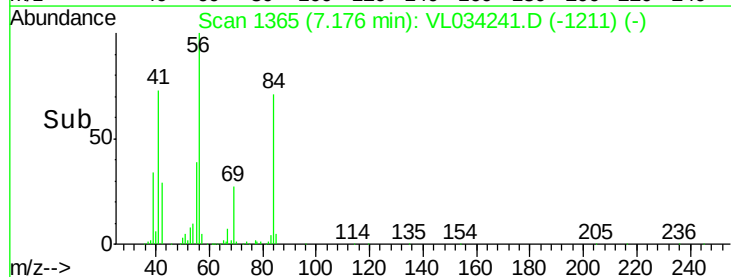
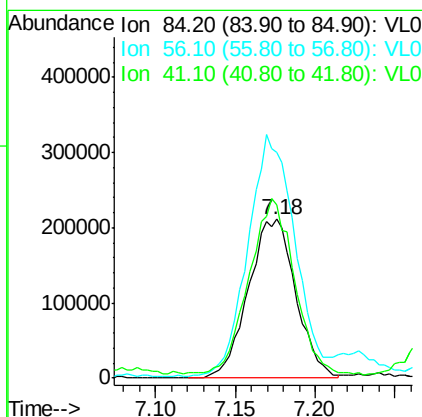
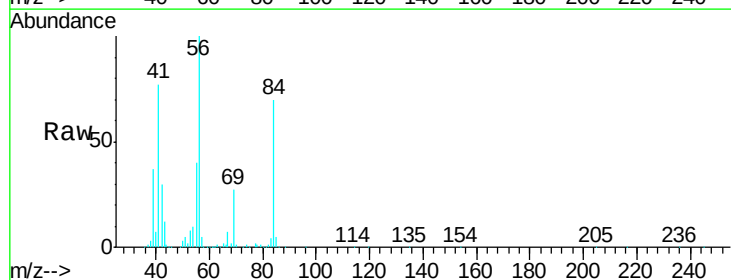
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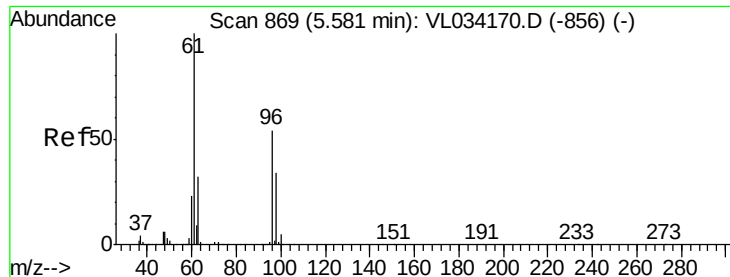
MMDadoda
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#30
Cyclohexane
Concen: 5.190 ppbv
RT: 7.18 min Scan# 1365
Delta R.T. -0.01 min
Lab File: VL034241.D
Acq: 8 Oct 2019 3:38

Tgt Ion: 84 Resp: 429940
Ion Ratio Lower Upper
84 100
56 163.5 126.2 189.2
41 107.0 85.8 128.8





#31

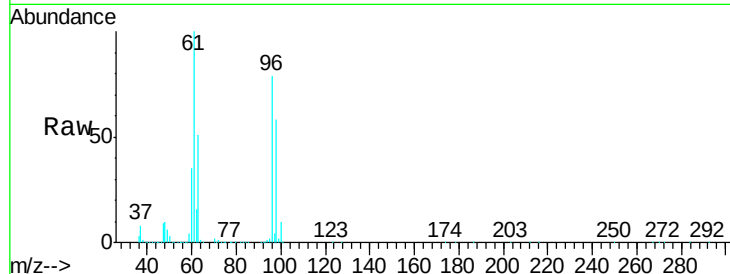
cis-1,2-Dichloroethene
 Concen: 58.018 ppbv
 RT: 5.58 min Scan# 869
 Delta R.T. 0.00 min
 Lab File: VL034241.D
 Acq: 8 Oct 2019 3:38

Instrument :
 MSVOA_L
 ClientSampleId :
 V-3

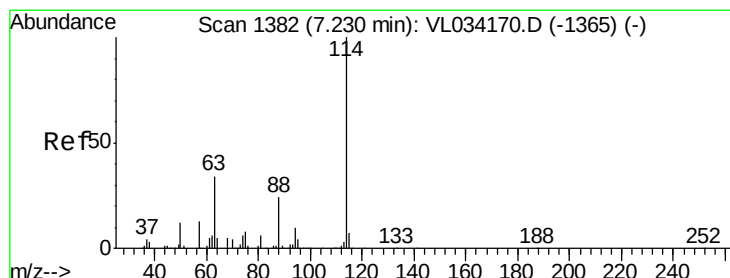
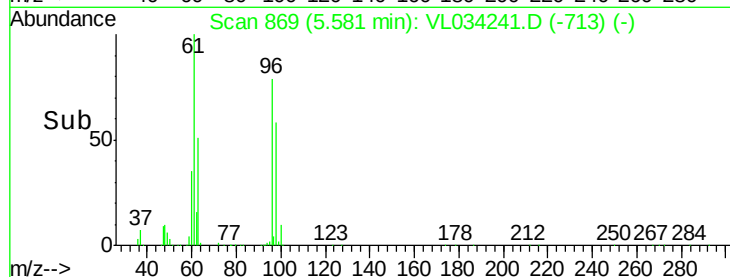
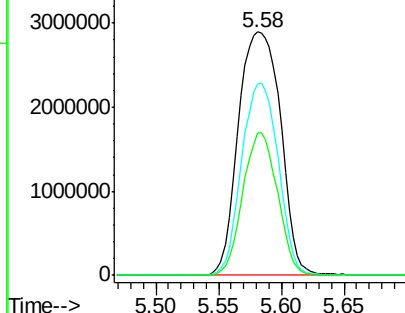
Tgt Ion	Ratio	Lower	Upper
61	100		
96	78.6	43.0	64.4#
98	58.3	27.2	40.8#

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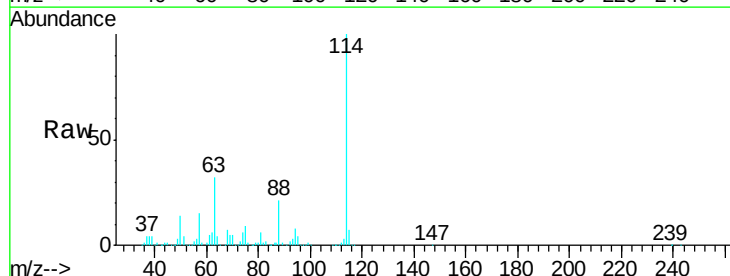
Abundance Ion 61.10 (60.80 to 61.80): VL0
 Ion 96.00 (95.70 to 96.70): VL0
 Ion 98.00 (97.70 to 98.70): VL0



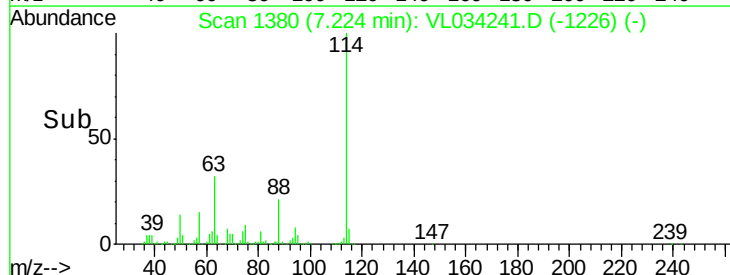
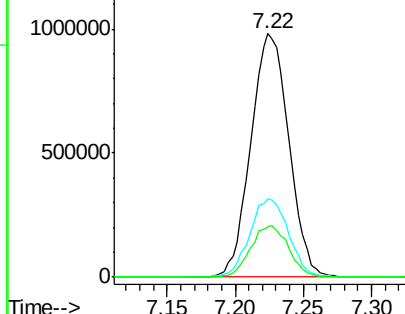
#33

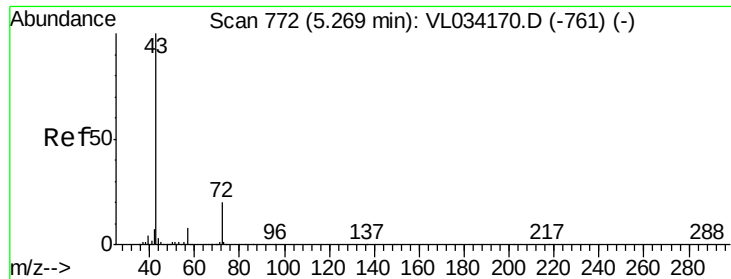
1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.22 min Scan# 1380
 Delta R.T. -0.01 min
 Lab File: VL034241.D
 Acq: 8 Oct 2019 3:38

Tgt Ion	Ratio	Lower	Upper
114	100		
63	33.6	27.8	41.6
88	21.3	17.1	25.7



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





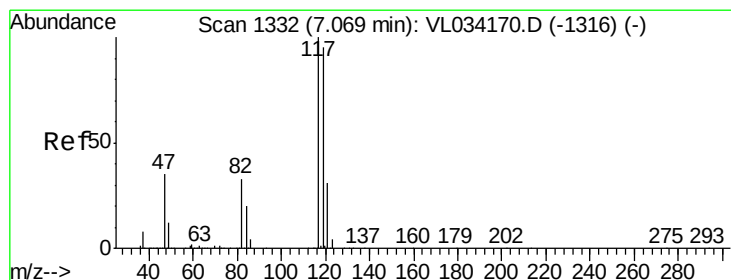
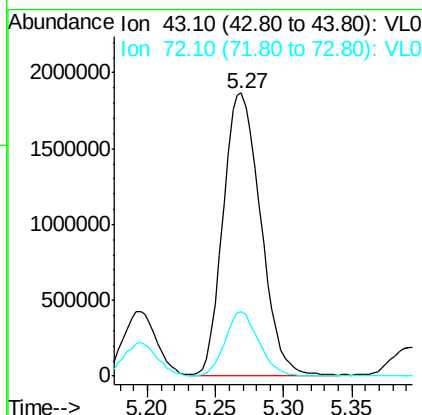
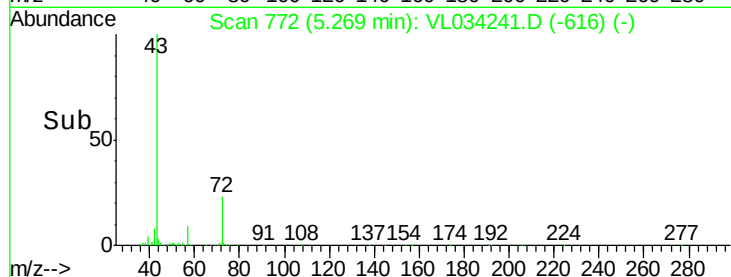
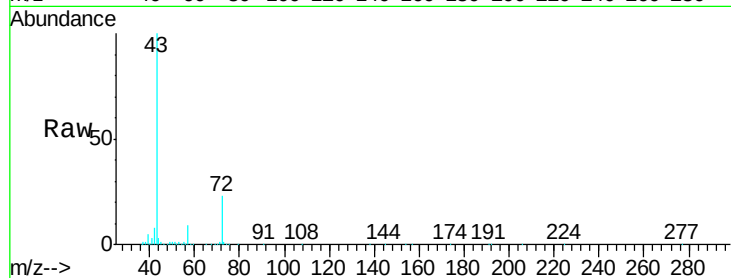
#34
2-Butanone
Concen: 18.375 ppbv
RT: 5.27 min Scan# 772
Delta R.T. 0.00 min
Lab File: VL034241.D
Acq: 8 Oct 2019 3:38

Instrument :
MSVOA_L
ClientSampled :
V-3

Tgt Ion: 43 Resp: 3555450
Ion Ratio Lower Upper
43 100
72 20.7 15.0 22.6

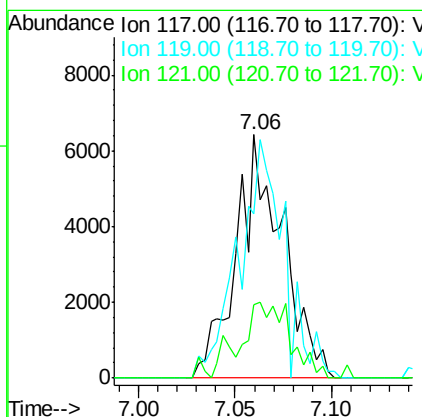
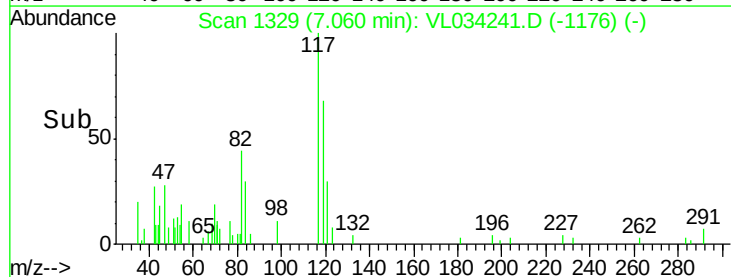
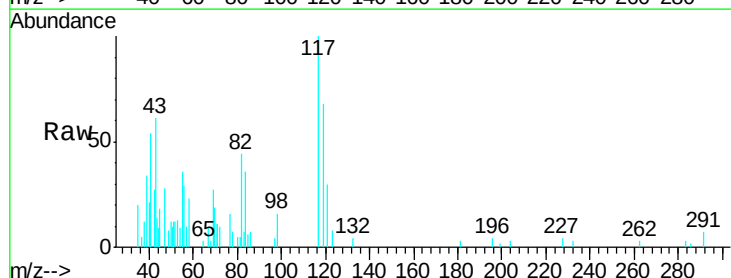
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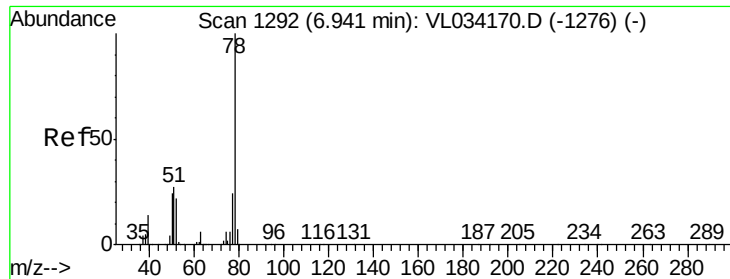
MMDadoda
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#35
Carbon Tetrachloride
Concen: 0.069 ppbv m
RT: 7.06 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VL034241.D
Acq: 8 Oct 2019 3:38

Tgt Ion: 117 Resp: 10802
Ion Ratio Lower Upper
117 100
119 67.7 75.8 113.6#
121 30.3 25.0 37.6





#36

Benzene

Concen: 7.494 ppbv

RT: 6.94 min Scan# 1291

Delta R.T. -0.00 min

Lab File: VL034241.D

Acq: 8 Oct 2019 3:38

Instrument :

MSVOA_L

ClientSampled :

V-3

Tgt Ion: 78 Resp: 1568498

Ion Ratio Lower Upper

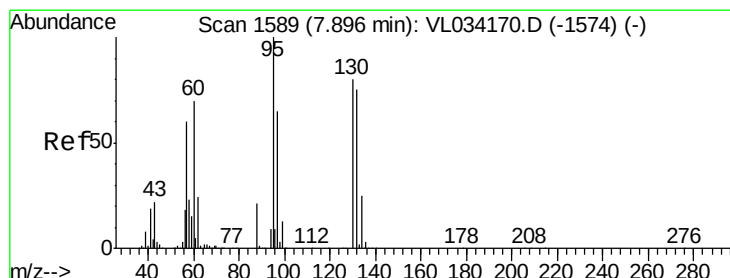
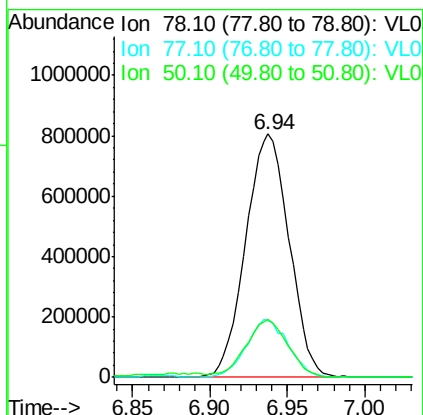
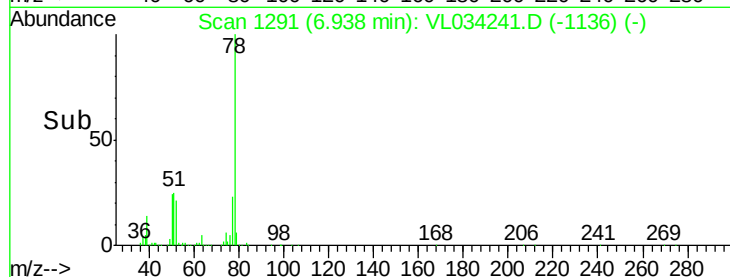
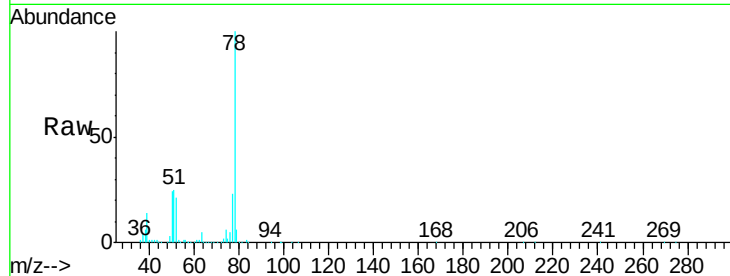
78 100

77 23.3 19.0 28.4

50 23.7 18.9 28.3

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#38

Trichloroethene

Concen: 39.241 ppbv

RT: 7.89 min Scan# 1587

Delta R.T. -0.01 min

Lab File: VL034241.D

Acq: 8 Oct 2019 3:38

Tgt Ion: 130 Resp: 2934417

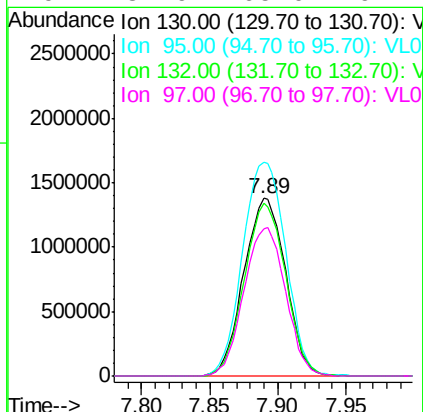
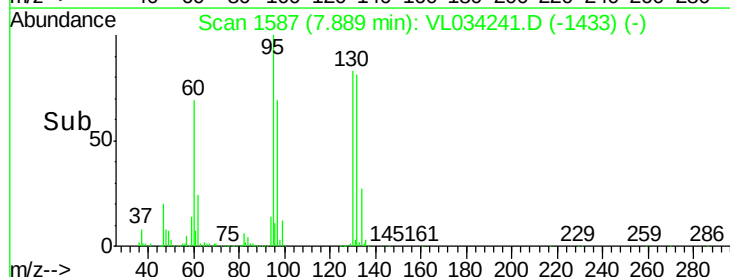
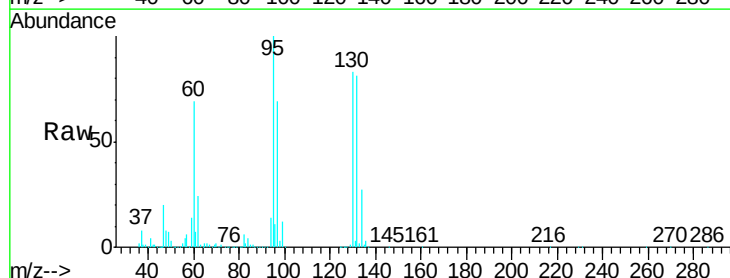
Ion Ratio Lower Upper

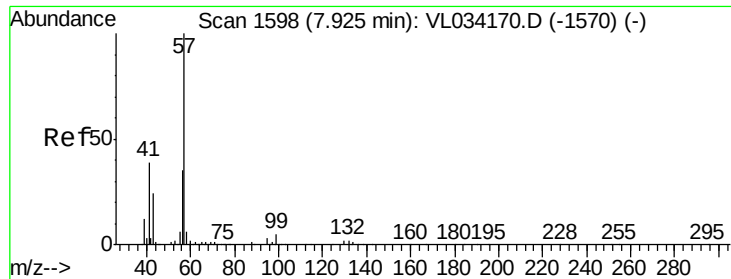
130 100

95 120.1 99.8 149.6

132 97.5 75.2 112.8

97 82.9 65.0 97.4





#44

2,2,4-Trimethylpentane

Concen: 3.980 ppbv

RT: 7.92 min Scan# 1595

Delta R.T. -0.01 min

Lab File: VL034241.D

Acq: 8 Oct 2019 3:38

Instrument :

MSVOA_L

ClientSampled :

V-3

Tgt Ion: 57 Resp: 1603405

Ion Ratio Lower Upper

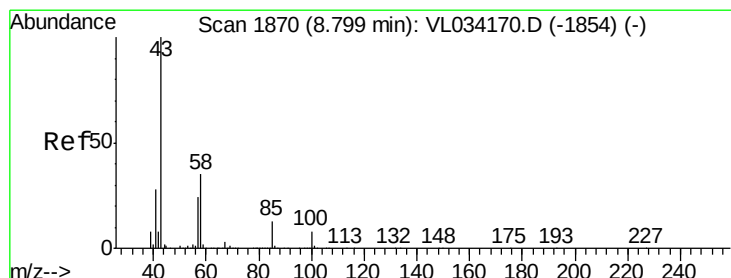
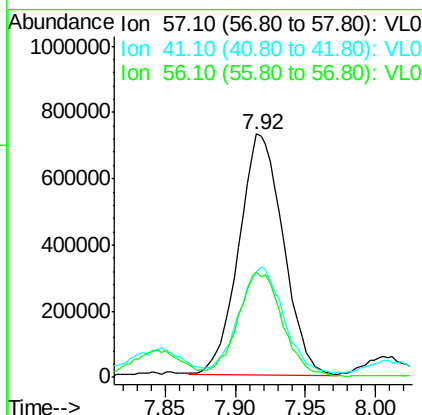
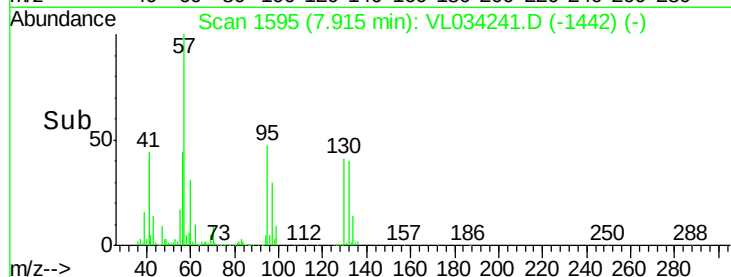
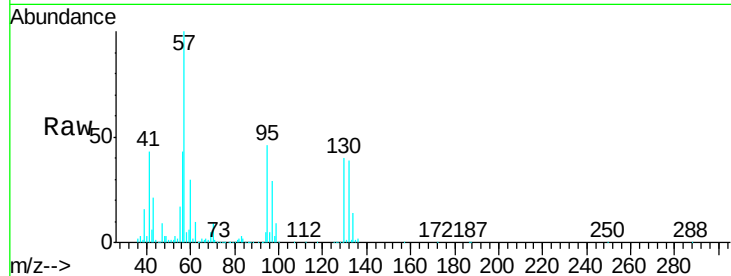
57 100

41 47.7 29.8 44.6#

56 44.0 25.9 38.9#

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#50

4-Methyl-2-Pentanone

Concen: 12.610 ppbv

RT: 8.80 min Scan# 1870

Delta R.T. 0.00 min

Lab File: VL034241.D

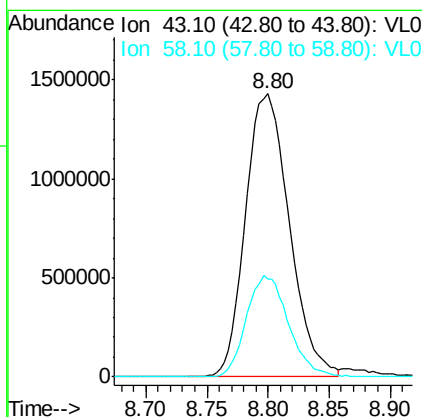
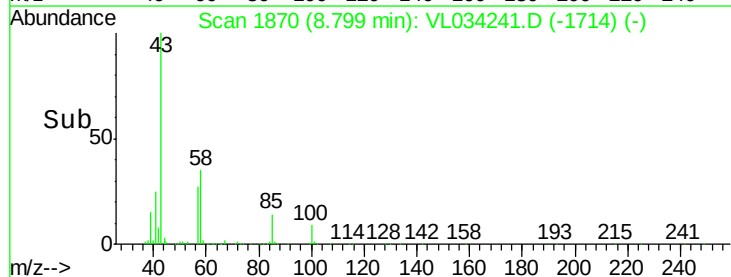
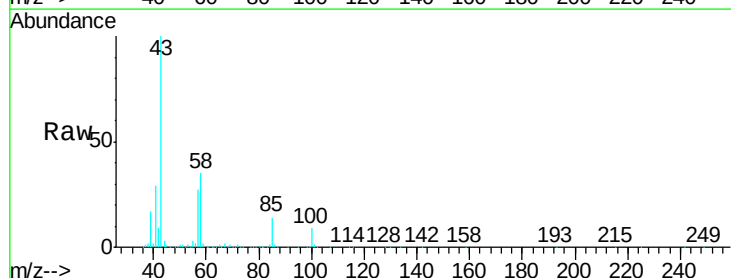
Acq: 8 Oct 2019 3:38

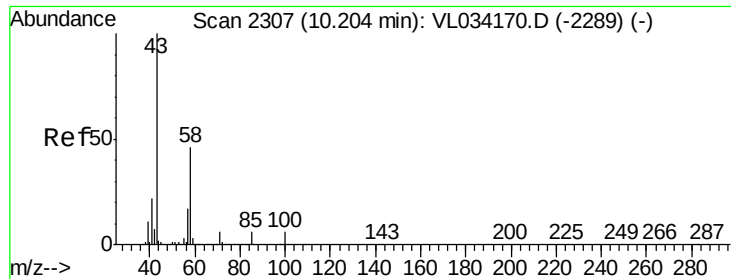
Tgt Ion: 43 Resp: 3550970

Ion Ratio Lower Upper

43 100

58 34.5 27.6 41.4





#51

2-Hexanone

Concen: 6.216 ppbv

RT: 10.20 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VL034241.D

Acq: 8 Oct 2019 3:38

Instrument :

MSVOA_L

ClientSampleId :

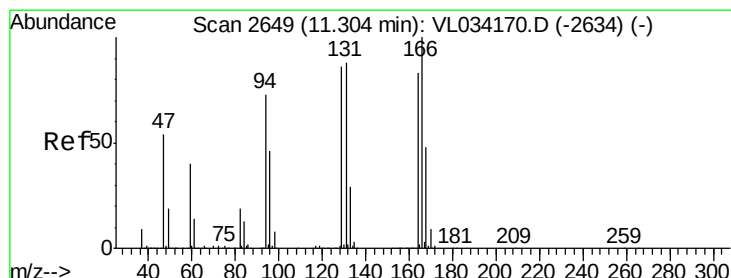
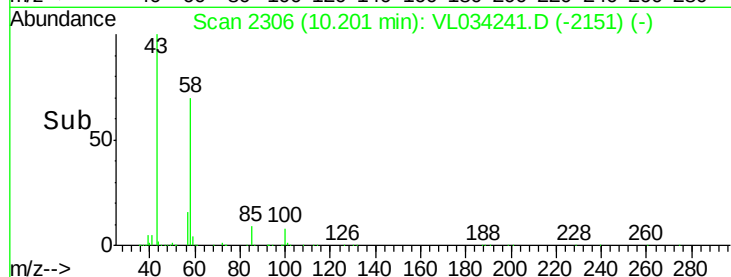
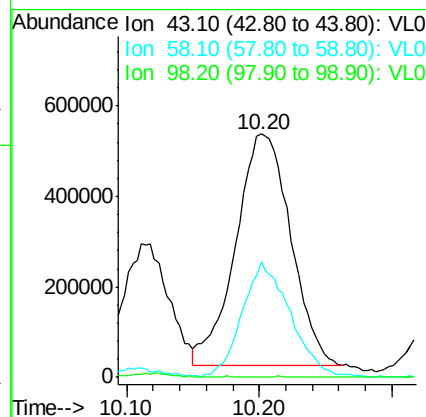
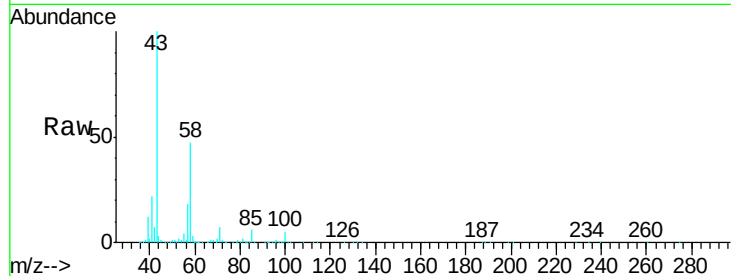
V-3

Tgt Ion: 43 Resp: 1469005

Ion	Ratio	Lower	Upper
43	100		
58	43.8	36.2	54.4
98	0.3	0.2	0.2#

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#52

Tetrachloroethene

Concen: 408.614 ppbv m

RT: 11.39 min Scan# 2676

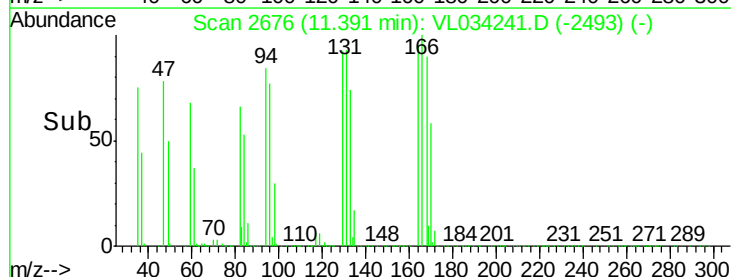
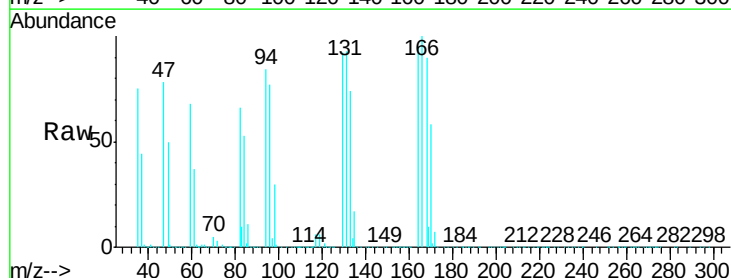
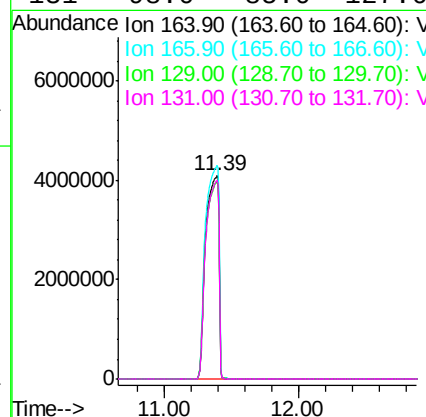
Delta R.T. 0.09 min

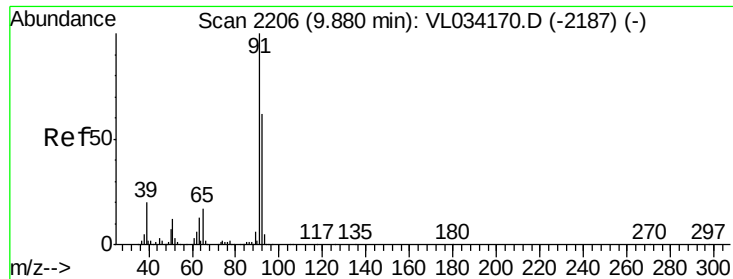
Lab File: VL034241.D

Acq: 8 Oct 2019 3:38

Tgt Ion: 164 Resp: 28254219

Ion	Ratio	Lower	Upper
164	100		
166	105.2	96.7	145.1
129	97.2	82.8	124.2
131	98.0	85.0	127.6





#53

Toluene

Concen: 23.082 ppbv

RT: 9.87 min Scan# 2204

Delta R.T. -0.01 min

Lab File: VL034241.D

Acq: 8 Oct 2019 3:38

Instrument :

MSVOA_L

ClientSampleId :

V-3

Tgt Ion: 91 Resp: 5279541

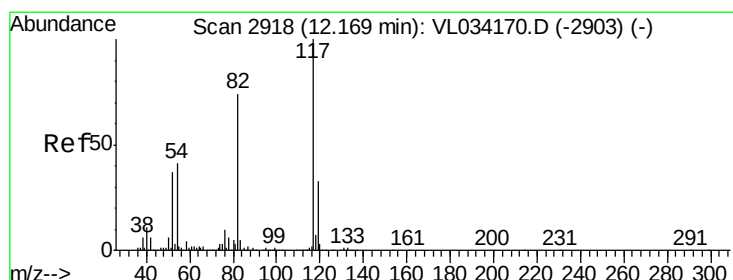
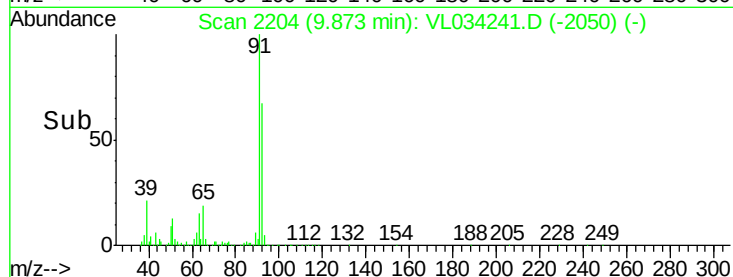
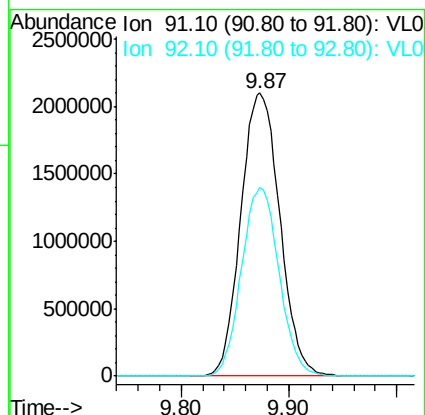
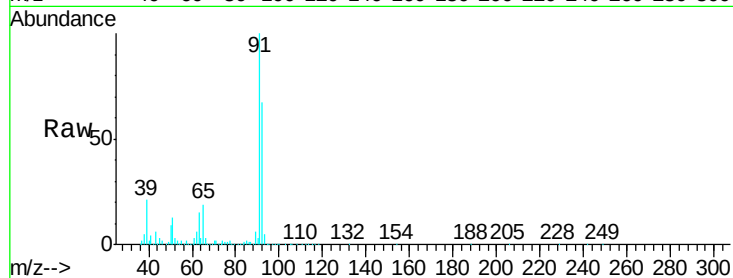
Ion Ratio Lower Upper

91 100

92 64.5 49.0 73.6

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.18 min Scan# 2921

Delta R.T. 0.01 min

Lab File: VL034241.D

Acq: 8 Oct 2019 3:38

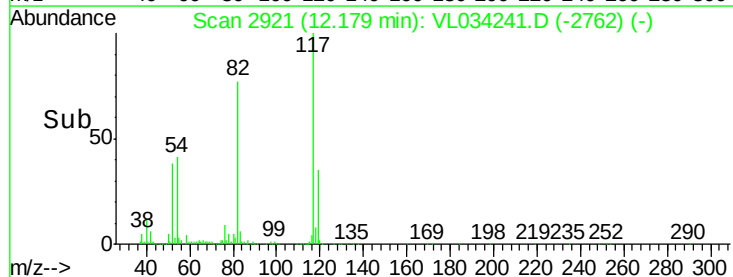
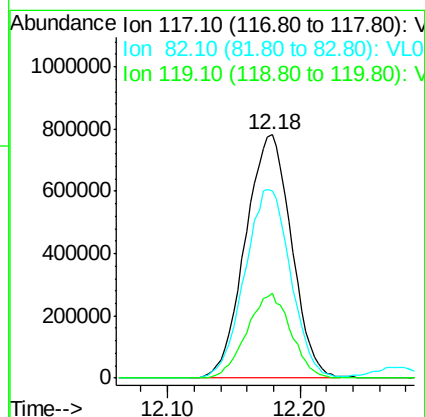
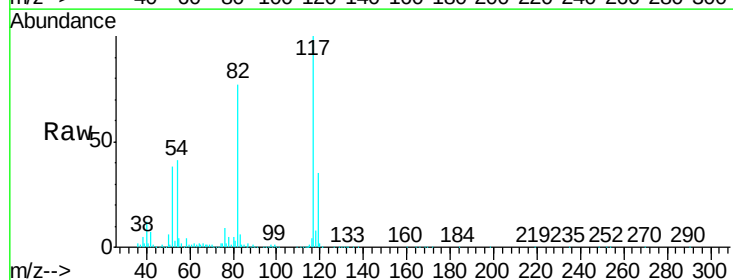
Tgt Ion: 117 Resp: 1884481

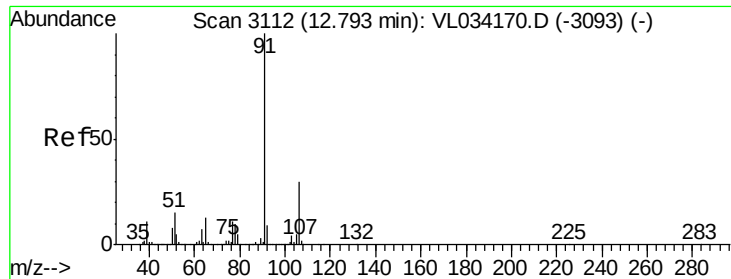
Ion Ratio Lower Upper

117 100

82 77.5 58.2 87.4

119 33.3 23.7 35.5





#58

Ethyl Benzene

Concen: 4.503 ppbv m

RT: 12.80 min Scan# 3115

Delta R.T. 0.01 min

Lab File: VL034241.D

Acq: 8 Oct 2019 3:38

Instrument :

MSVOA_L

ClientSampled :

V-3

Tgt Ion: 91 Resp: 1369225

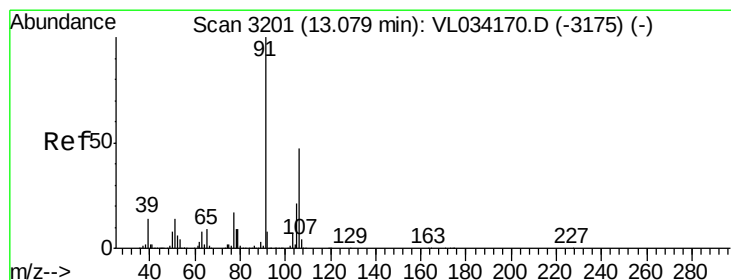
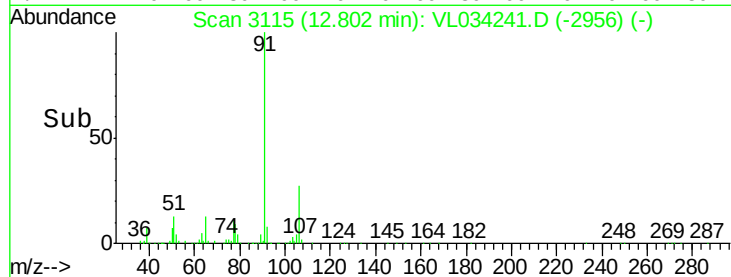
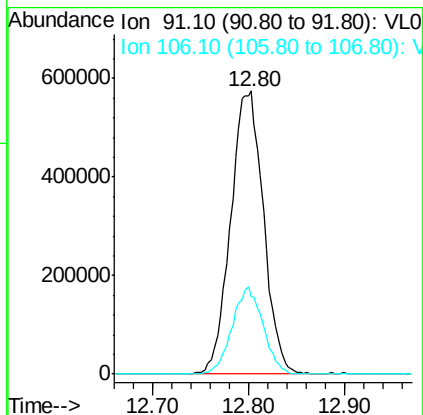
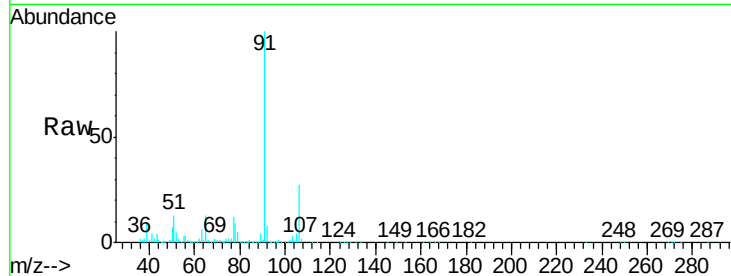
Ion Ratio Lower Upper

91 100

106 27.1 24.2 36.4

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#59

m/p-Xylene

Concen: 14.836 ppbv

RT: 13.05 min Scan# 3193

Delta R.T. -0.03 min

Lab File: VL034241.D

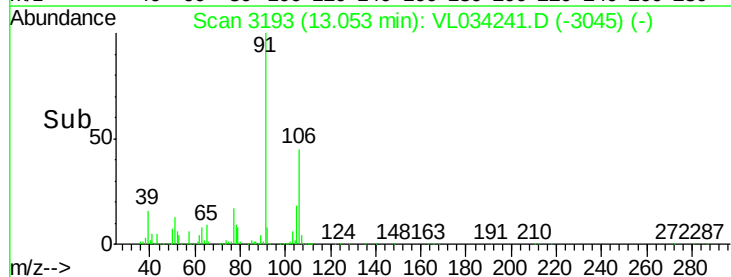
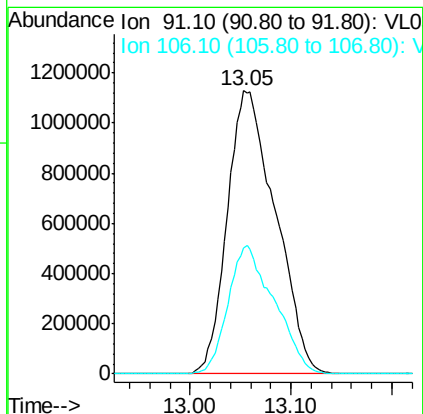
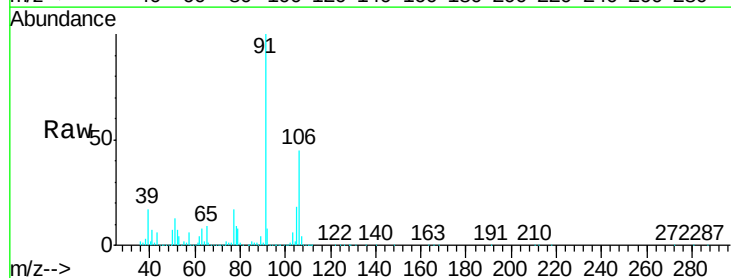
Acq: 8 Oct 2019 3:38

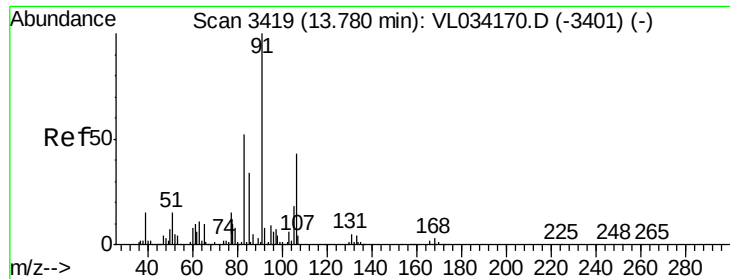
Tgt Ion: 91 Resp: 3736513

Ion Ratio Lower Upper

91 100

106 43.7 35.5 53.3





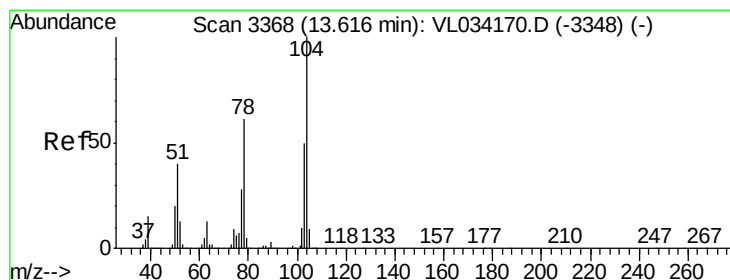
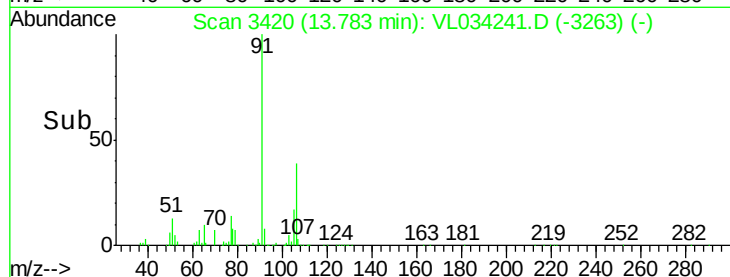
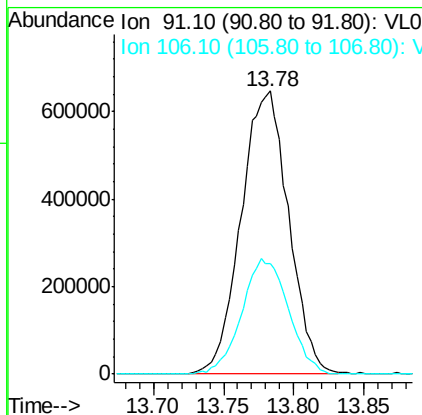
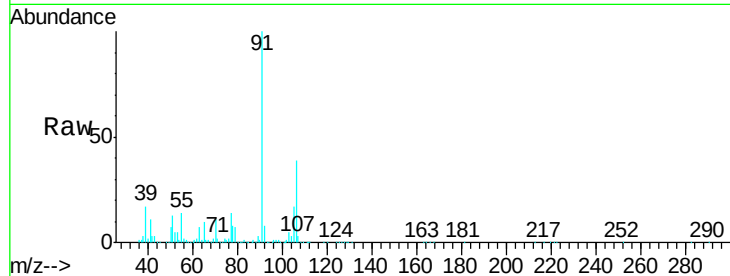
#60
o-Xylene
Concen: 6.004 ppbv
RT: 13.78 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VL034241.D
Acq: 8 Oct 2019 3:38

Instrument :
MSVOA_L
ClientSampled :
V-3

Tgt Ion: 91 Resp: 1512038
Ion Ratio Lower Upper
91 100
106 40.5 21.2 63.6

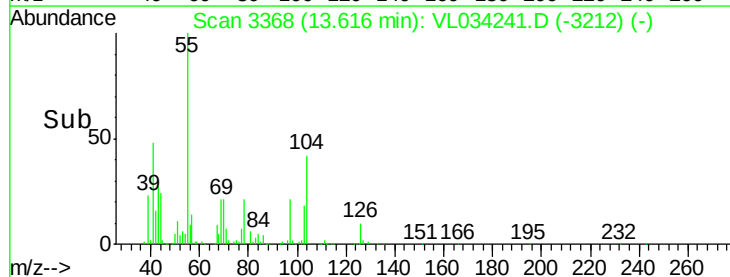
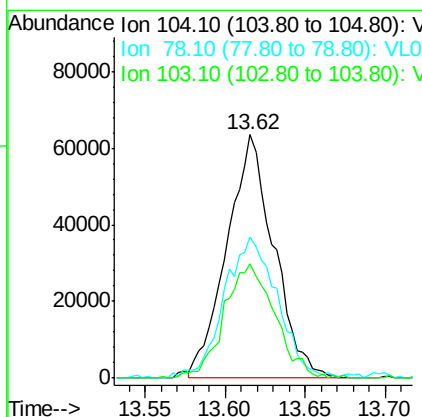
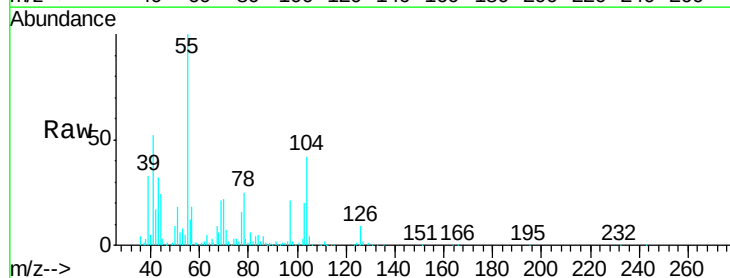
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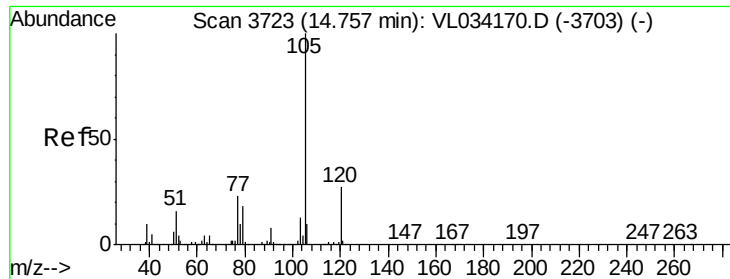
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#61
Styrene
Concen: 0.707 ppbv
RT: 13.62 min Scan# 3368
Delta R.T. 0.00 min
Lab File: VL034241.D
Acq: 8 Oct 2019 3:38

Tgt Ion: 104 Resp: 127500
Ion Ratio Lower Upper
104 100
78 67.3 49.7 74.5
103 50.7 38.4 57.6





#62

Isopropylbenzene

Concen: 0.373 ppbv m

RT: 14.75 min Scan# 3721

Delta R.T. -0.01 min

Lab File: VL034241.D

Acq: 8 Oct 2019 3:38

Instrument :

MSVOA_L

ClientSampled :

V-3

Tgt Ion:105 Resp: 121449

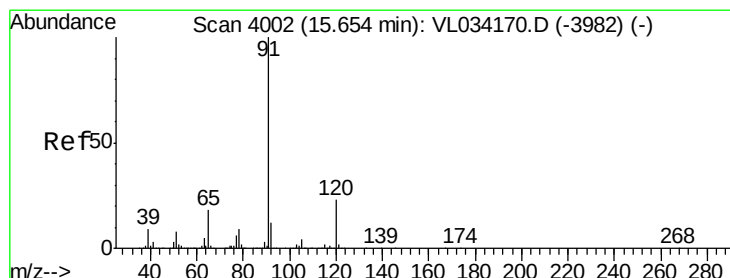
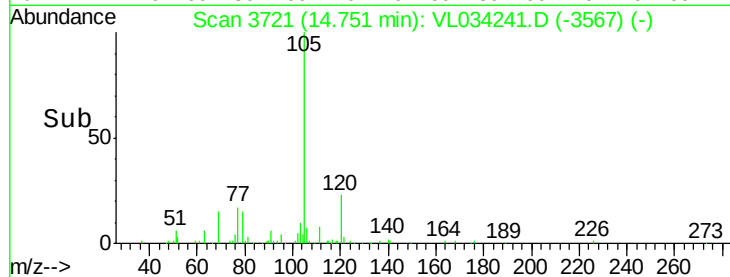
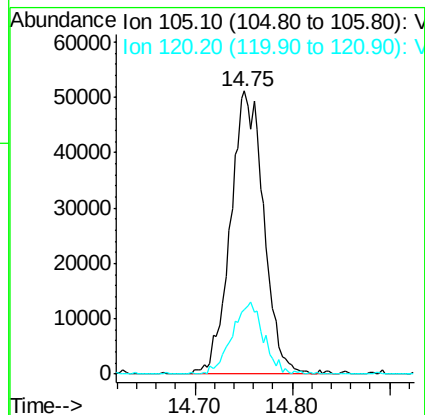
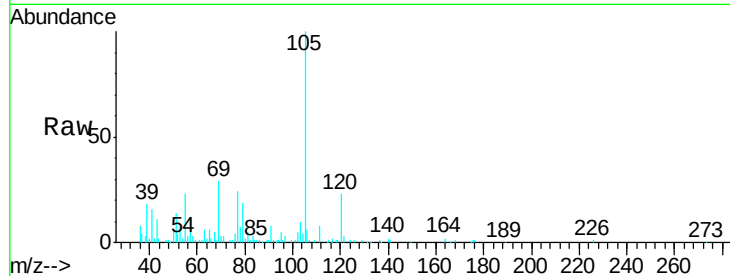
Ion Ratio Lower Upper

105 100

120 23.8 20.7 31.1

Manual Integrations
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#64

n-propylbenzene

Concen: 1.278 ppbv

RT: 15.65 min Scan# 4001

Delta R.T. -0.00 min

Lab File: VL034241.D

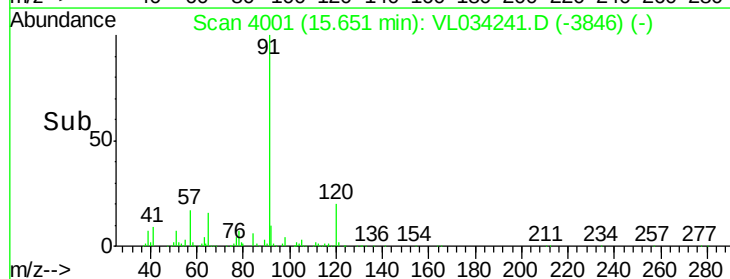
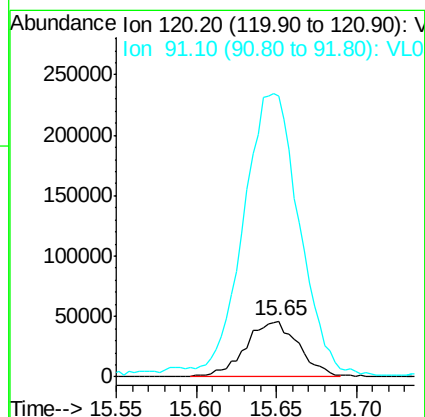
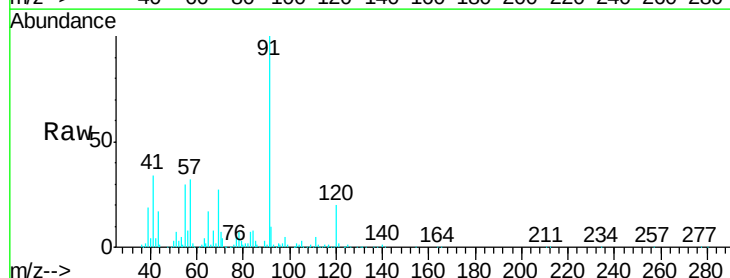
Acq: 8 Oct 2019 3:38

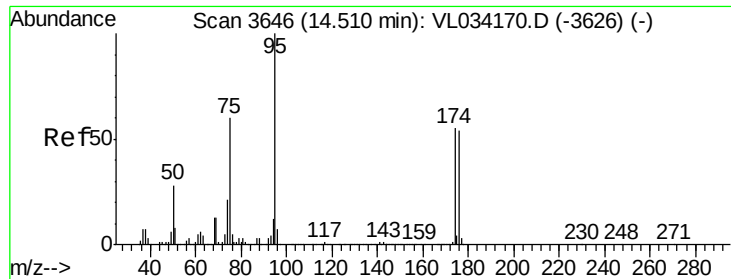
Tgt Ion:120 Resp: 105384

Ion Ratio Lower Upper

120 100

91 536.5 378.2 567.2





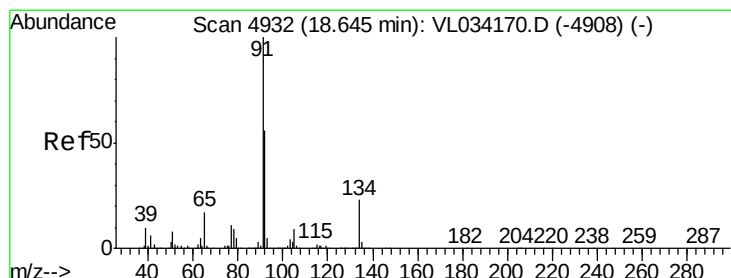
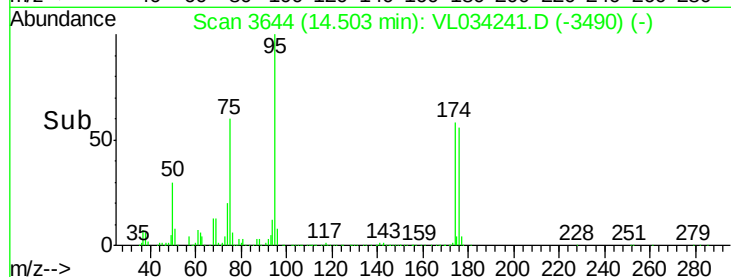
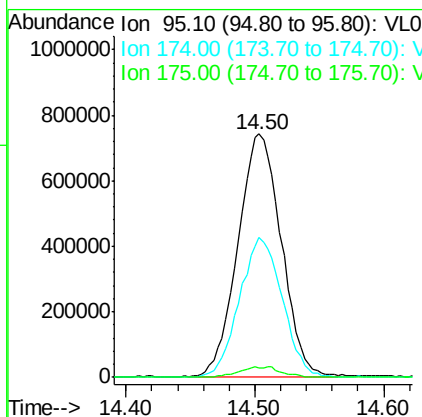
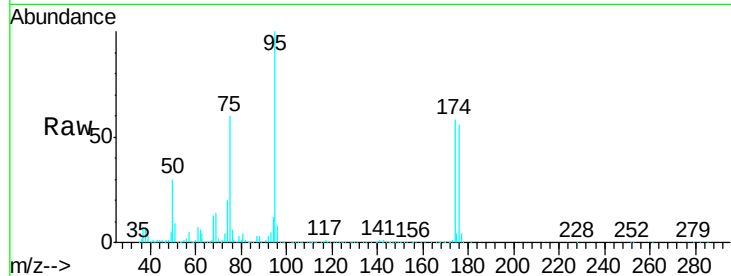
#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.552 ppbv
 RT: 14.50 min Scan# 3644
 Delta R.T. -0.01 min
 Lab File: VL034241.D
 Acq: 8 Oct 2019 3:38

Instrument :
 MSVOA_L
 ClientSampled :
 V-3

Tgt Ion: 95 Resp: 1727894
 Ion Ratio Lower Upper
 95 100
 174 57.2 45.1 67.7
 175 4.2 3.3 4.9

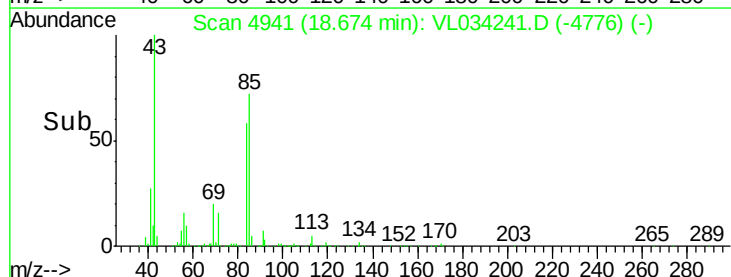
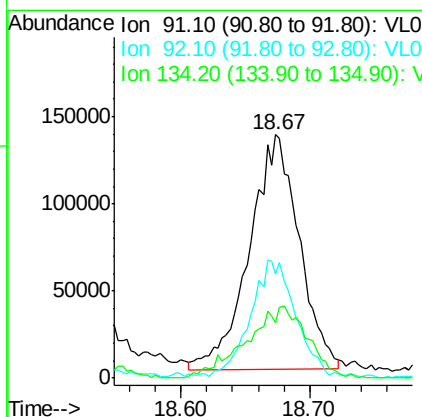
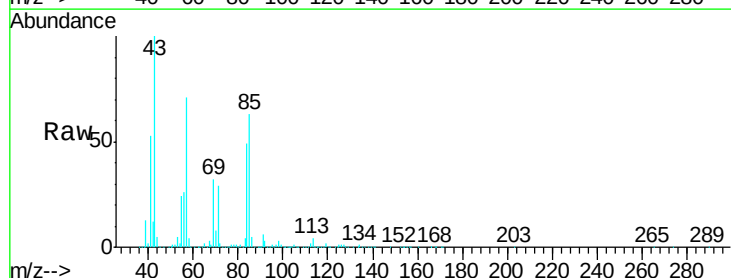
Manual Integrations
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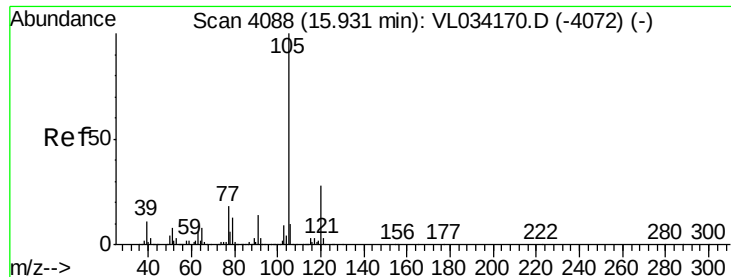
MMDadoda
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#70
 n-Butylbenzene
 Concen: 0.939 ppbv
 RT: 18.67 min Scan# 4941
 Delta R.T. 0.03 min
 Lab File: VL034241.D
 Acq: 8 Oct 2019 3:38

Tgt Ion: 91 Resp: 360483
 Ion Ratio Lower Upper
 91 100
 92 46.3 44.8 67.2
 134 37.8 17.3 25.9#





#72

4-Ethyltoluene

Concen: 2.022 ppbv

RT: 15.92 min Scan# 4086

Delta R.T. -0.01 min

Lab File: VL034241.D

Acq: 8 Oct 2019 3:38

Instrument :

MSVOA_L

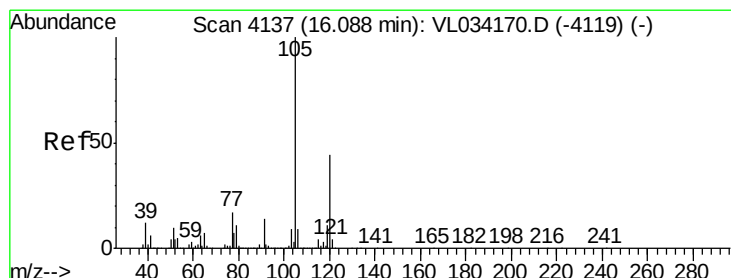
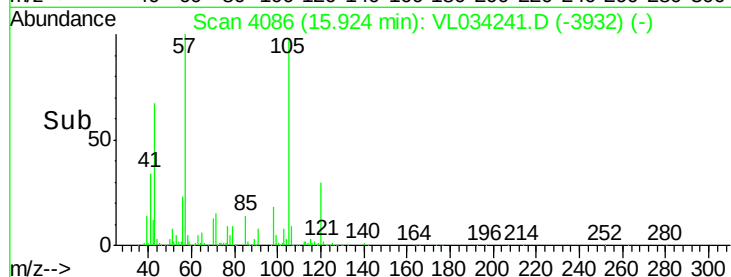
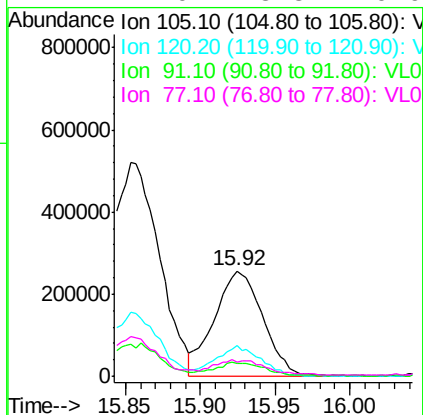
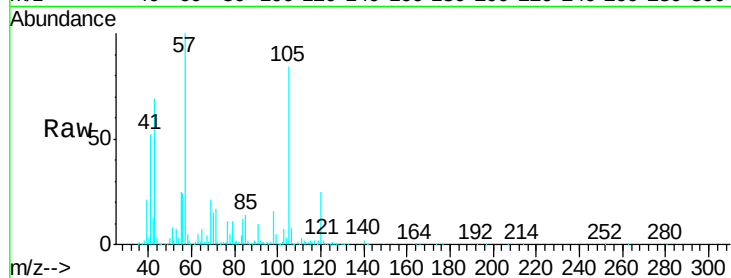
ClientSampleId :

V-3

Tgt Ion	Ratio	Resp Lower	Resp Upper
105	100		
120	26.8	23.3	34.9
91	13.3	11.4	17.2
77	17.0	13.3	19.9

Manual Integrations
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#73

1,3,5-Trimethylbenzene

Concen: 1.823 ppbv

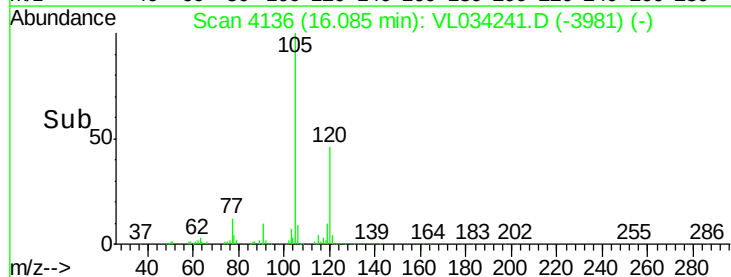
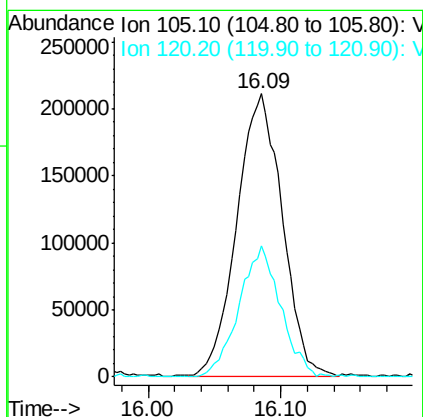
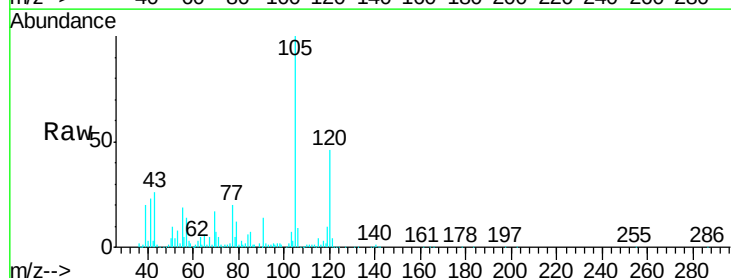
RT: 16.09 min Scan# 4136

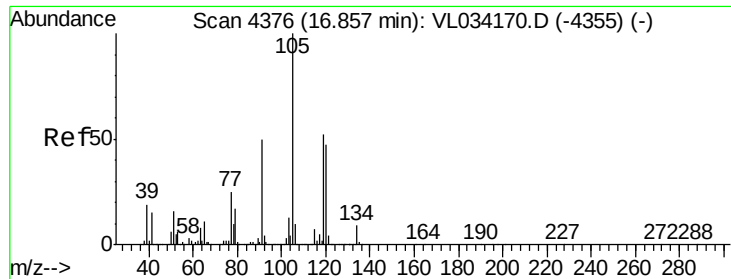
Delta R.T. -0.00 min

Lab File: VL034241.D

Acq: 8 Oct 2019 3:38

Tgt Ion	Ratio	Resp Lower	Resp Upper
105	100		
120	46.5	35.6	53.4





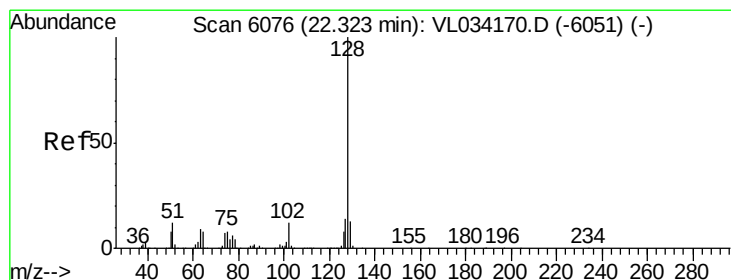
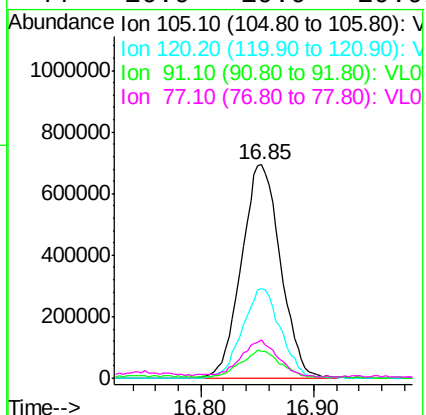
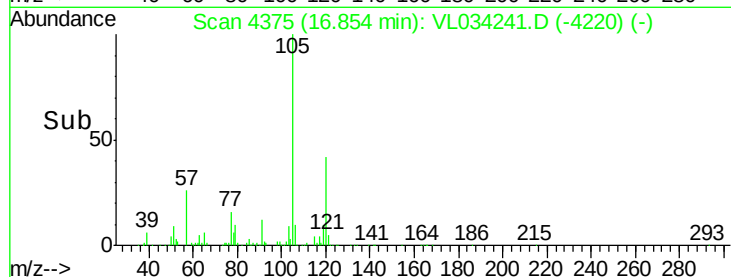
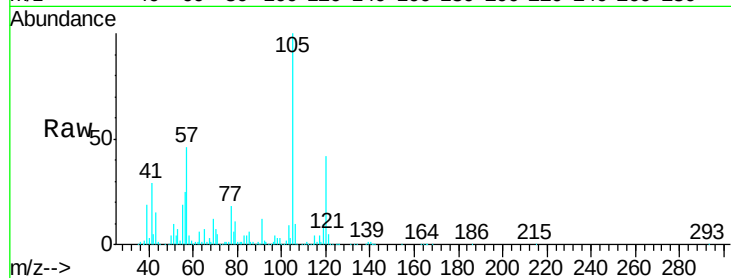
#74
 1,2,4-Trimethylbenzene
 Concen: 5.710 ppbv
 RT: 16.85 min Scan# 4375
 Delta R.T. -0.00 min
 Lab File: VL034241.D
 Acq: 8 Oct 2019 3:38

Instrument :
 MSVOA_L
 ClientSampled :
 V-3

Tgt Ion	Ratio	Lower	Upper
105	100		
120	41.8	37.5	56.3
91	12.1	41.1	61.7#
77	16.9	19.9	29.9#

Manual Integrations
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#79
 Naphthalene
 Concen: 0.595 ppbv
 RT: 22.33 min Scan# 6078
 Delta R.T. 0.01 min
 Lab File: VL034241.D
 Acq: 8 Oct 2019 3:38

Tgt Ion	Ratio	Lower	Upper
128	100		
127	11.4	11.1	16.7
129	9.5	10.2	15.4#

