

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL100219\
 Data File : VL034212.D
 Acq On : 2 Oct 2019 15:54
 Operator : SY/AP
 Sample : K5106-02
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-2

Manual Integrations
 APPROVED

MMDadoda
 10/7/2019 12:29:44 PM

Quant Time: Oct 03 07:06:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL091719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 18
 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	1004082	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.22	114	1838754	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.16	117	1896259	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.49	95	1681099	10.20	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.03	85	21889	0.148 ppbv	# 87
4) Chloromethane	3.12	50	176283	2.548 ppbv	92
5) Vinyl Chloride	3.25	62	45287	0.716 ppbv	99
7) Chloroethane	3.56	64	10181	0.461 ppbv	93
9) Propene	2.99	41	3493761	60.150 ppbv	100
10) Heptane	8.18	43	448697	2.964 ppbv	94
11) Trichlorofluoromethane	3.95	101	36774	0.272 ppbv	88
13) Ethanol	3.61	45	2307356	164.048 ppbv	98
15) Acetone	3.84	43	5436133m	40.395 ppbv	
17) tert-Butyl alcohol	4.31	59	1056641	12.392 ppbv	100
19) Isopropyl Alcohol	3.98	45	1223255	14.782 ppbv	# 1
20) Methylene Chloride	4.36	84	177222	4.568 ppbv	96
26) Hexane	5.72	57	741749	7.007 ppbv	# 69
27) Carbon Disulfide	4.56	76	3484036	35.686 ppbv	97
29) Chloroform	5.79	83	39518	0.261 ppbv	92
30) Cyclohexane	7.18	84	586635	7.676 ppbv	98
32) 1,1,1-Trichloroethane	6.56	97	4902m	0.034 ppbv	
34) 2-Butanone	5.27	43	2223683	11.844 ppbv	95
35) Carbon Tetrachloride	7.08	117	5872m	0.038 ppbv	
36) Benzene	6.93	78	410391	2.021 ppbv	95
37) 1,2-Dichloroethane	6.35	62	100808	0.698 ppbv	99
38) Trichloroethene	7.89	130	14403m	0.198 ppbv	
41) Tetrahydrofuran	6.09	42	27467m	0.260 ppbv	
43) Methyl Methacrylate	8.06	69	48359m	0.576 ppbv	
44) 2,2,4-Trimethylpentane	7.92	57	265488	0.679 ppbv	# 1
50) 4-Methyl-2-Pentanone	8.80	43	182564	0.668 ppbv	97
51) 2-Hexanone	10.19	43	232347	1.013 ppbv	# 88
52) Tetrachloroethene	11.30	164	1126584	16.791 ppbv	96
53) Toluene	9.87	91	2280190	10.274 ppbv	98
58) Ethyl Benzene	12.79	91	385552	1.260 ppbv	90
59) m/p-Xylene	13.04	91	943270	3.722 ppbv	100
60) o-Xylene	13.77	91	399827	1.578 ppbv	98
61) Styrene	13.61	104	111200m	0.613 ppbv	
62) Isopropylbenzene	14.74	105	47337m	0.144 ppbv	
64) n-propylbenzene	15.65	120	29613m	0.357 ppbv	
65) tert-Butylbenzene	16.85	119	50123m	0.175 ppbv	
69) p-Isopropyltoluene	17.74	119	63533m	0.191 ppbv	
70) n-Butylbenzene	18.63	91	59534m	0.154 ppbv	
72) 4-Ethyltoluene	15.92	105	161407m	0.564 ppbv	
73) 1,3,5-Trimethylbenzene	16.08	105	144319m	0.522 ppbv	
74) 1,2,4-Trimethylbenzene	16.84	105	460827m	1.569 ppbv	

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Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SV-2

Manual Integrations
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10/7/2019 12:29:44 PM

Quant Time: Oct 03 07:06:08 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL091719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 18
QLast Update : Wed Sep 18 12:53:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
79) Naphthalene	22.32	128	87324	0.338	ppbv #	90

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

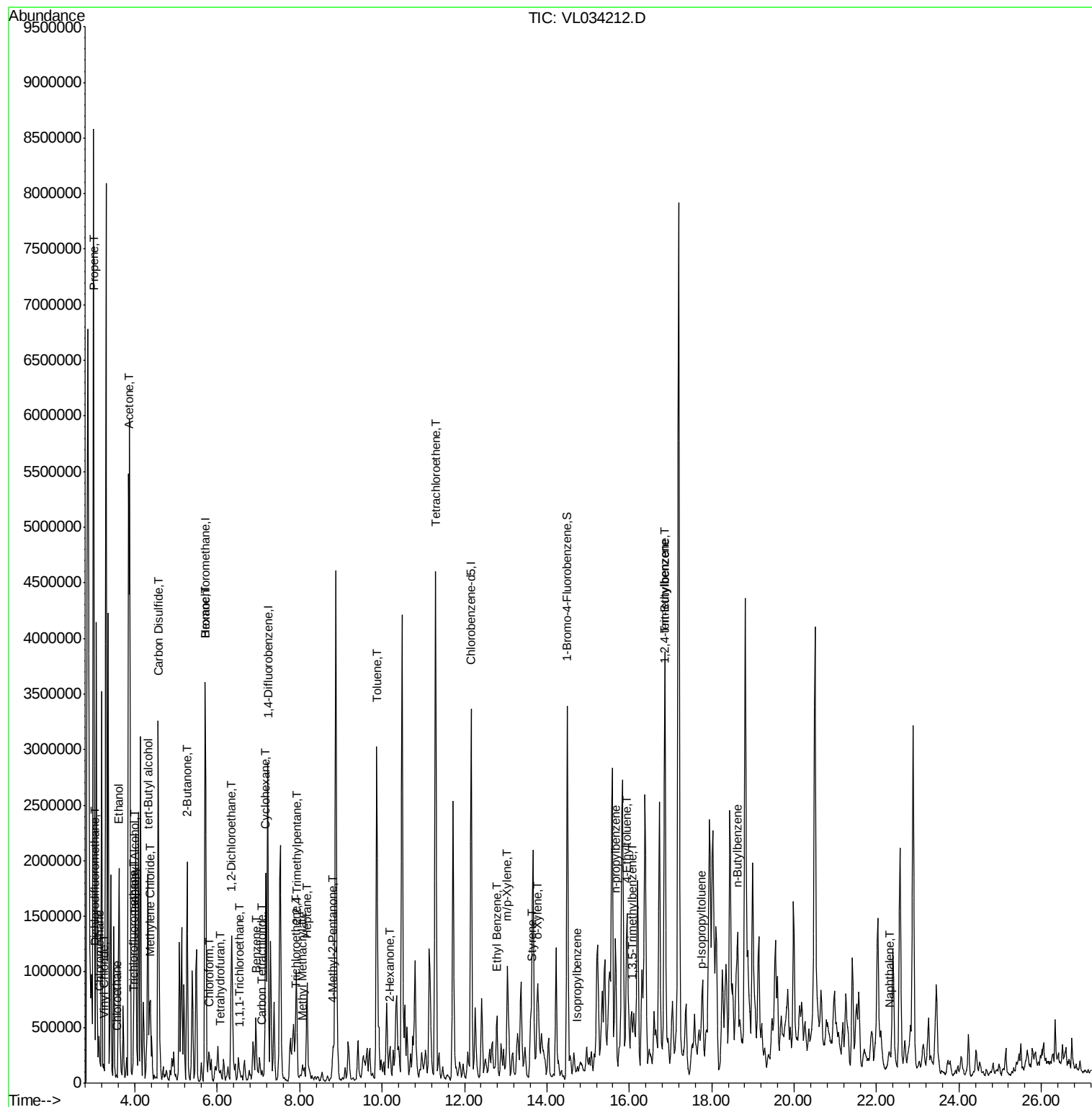
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL100219\
Data File : VL034212.D
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Misc : 400ml/MSVOA L
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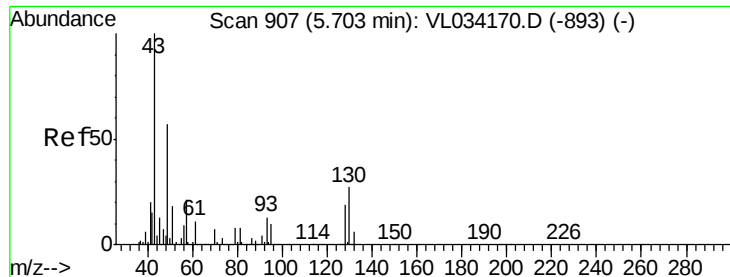
Instrument :
MSVOA_L
ClientSampleId :
SV-2

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL091719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Sep
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#1

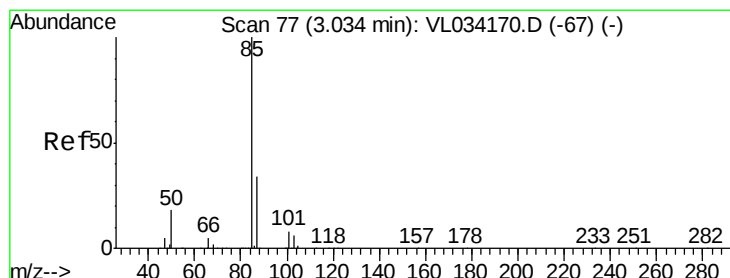
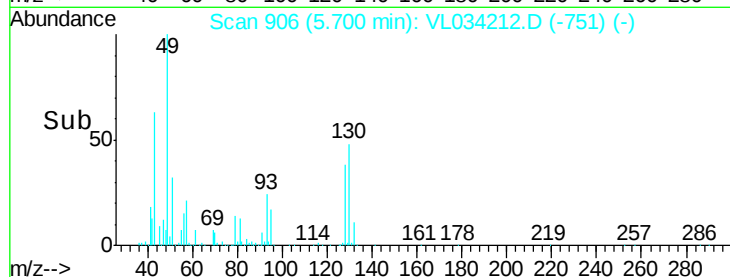
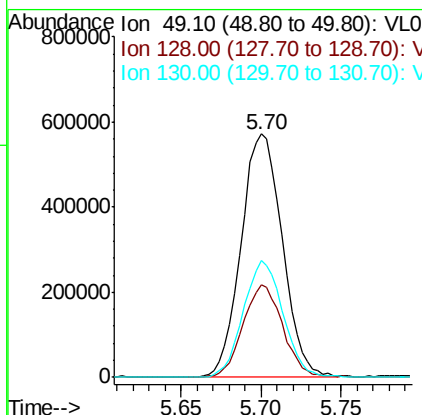
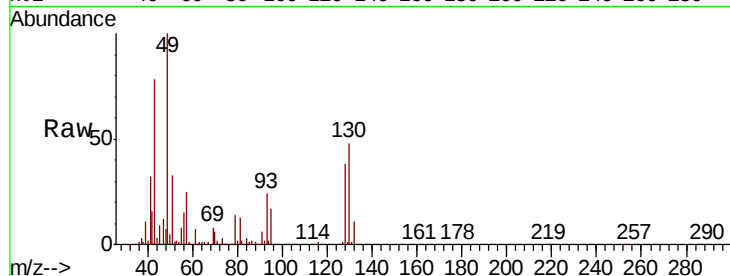
Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.70 min Scan# 906
 Delta R.T. -0.00 min
 Lab File: VL034212.D
 Acq: 2 Oct 2019 15:54

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-2

Tot Ion	Ratio	Lower	Upper
49	100		
128	37.2	17.6	52.9
130	46.5	22.3	66.9

Manual Integrations
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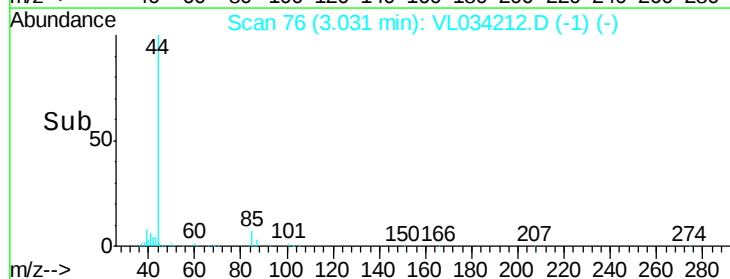
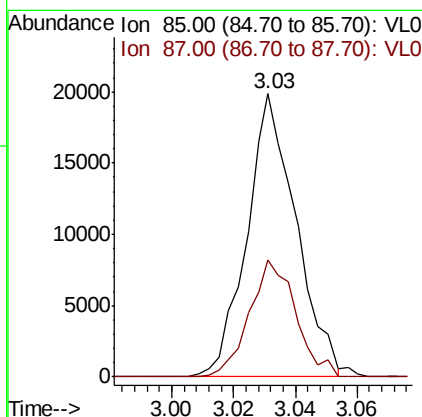
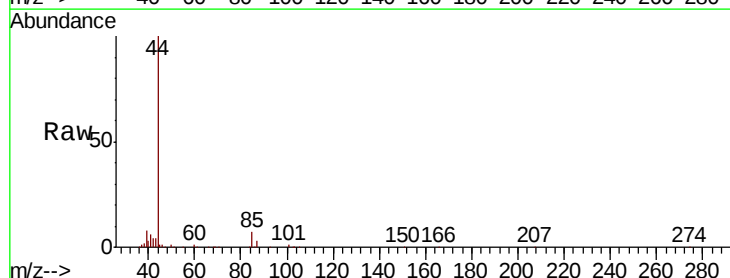
MMDadoda
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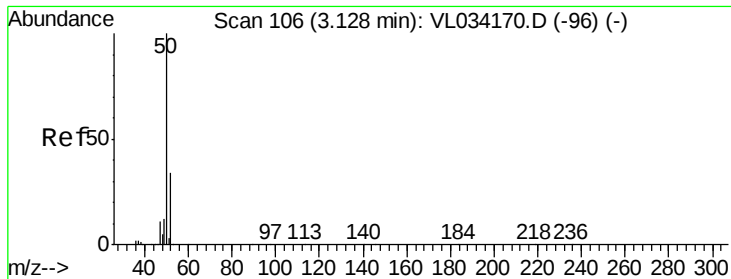


#2

Dichlorodifluoromethane
 Concen: 0.148 ppbv
 RT: 3.03 min Scan# 76
 Delta R.T. -0.00 min
 Lab File: VL034212.D
 Acq: 2 Oct 2019 15:54

Tgt Ion	Ratio	Lower	Upper
85	100		
87	41.4	27.2	40.8#





#4

Chloromethane

Concen: 2.548 ppbv

RT: 3.12 min Scan# 105

Delta R.T. -0.00 min

Lab File: VL034212.D

Acq: 2 Oct 2019 15:54

Instrument :

MSVOA_L

ClientSampled :

SV-2

Tot Ion: 50 Resp: 176283

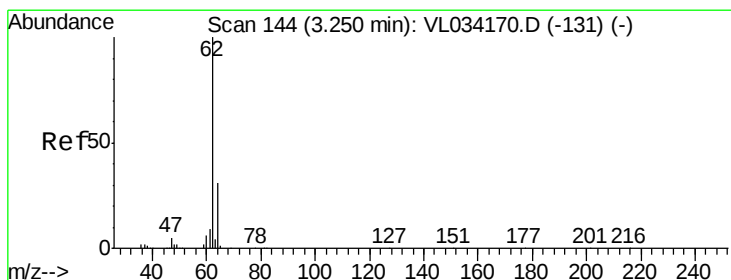
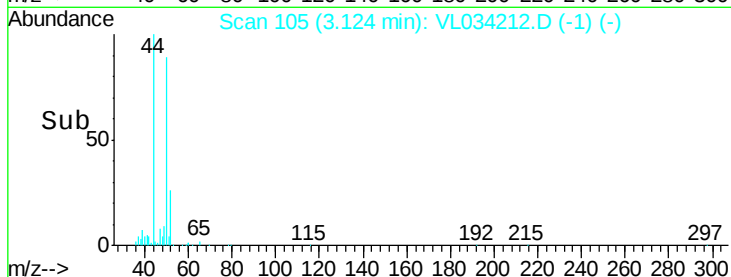
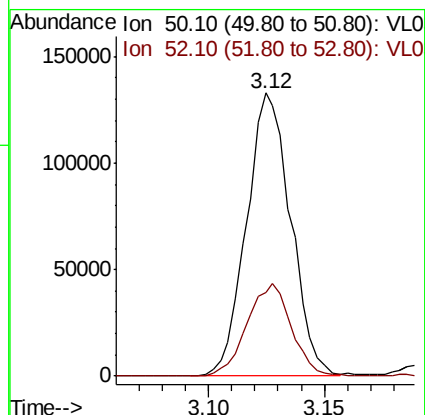
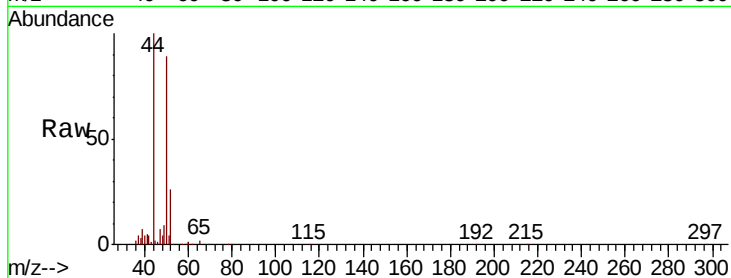
Ion Ratio Lower Upper

50 100

52 29.6 27.1 40.7

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#5

Vinyl Chloride

Concen: 0.716 ppbv

RT: 3.25 min Scan# 143

Delta R.T. -0.00 min

Lab File: VL034212.D

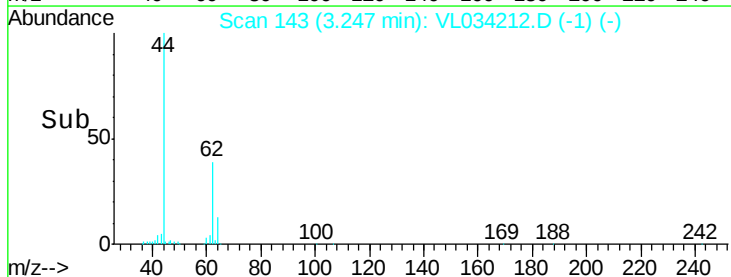
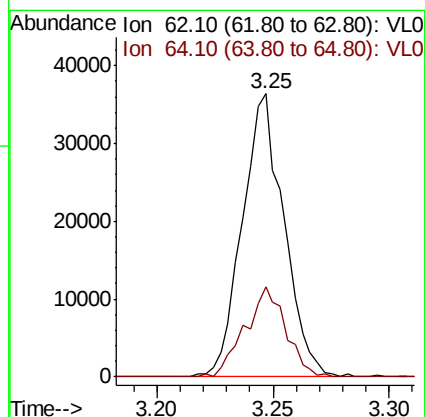
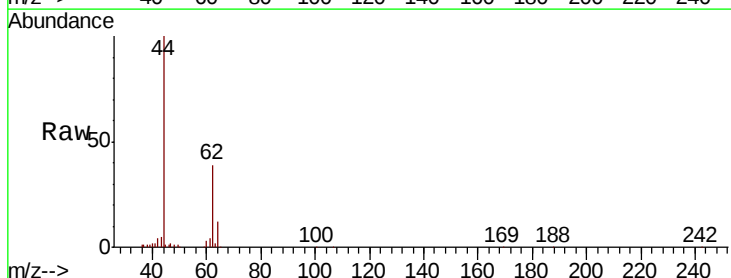
Acq: 2 Oct 2019 15:54

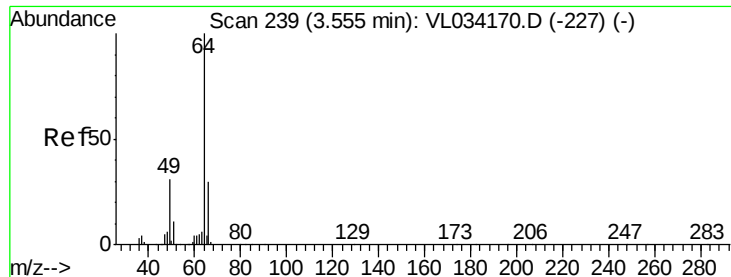
Tgt Ion: 62 Resp: 45287

Ion Ratio Lower Upper

62 100

64 31.9 25.2 37.8





#7

Chloroethane

Concen: 0.461 ppbv

RT: 3.56 min Scan# 239

Delta R.T. 0.00 min

Lab File: VL034212.D

Acq: 2 Oct 2019 15:54

Instrument :

MSVOA_L

ClientSampleId :

SV-2

Tot Ion: 64 Resp: 10181

Ion Ratio Lower Upper

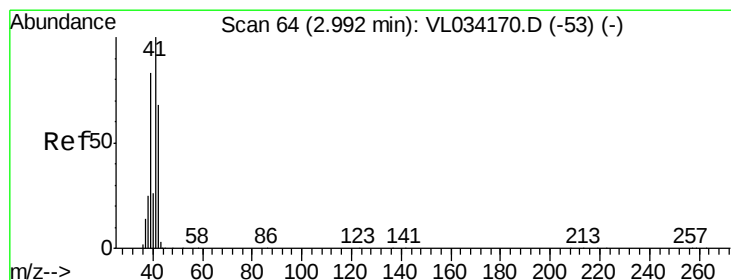
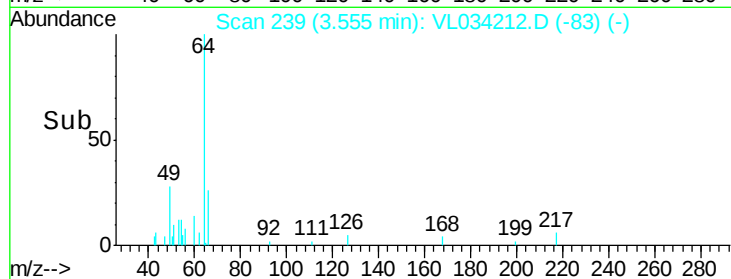
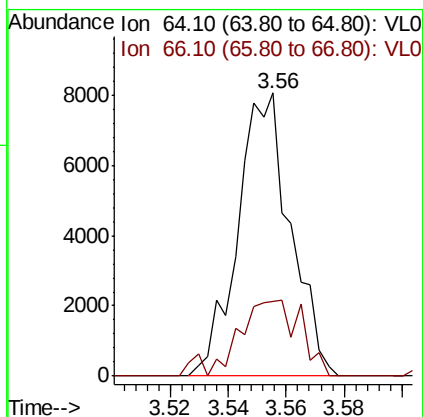
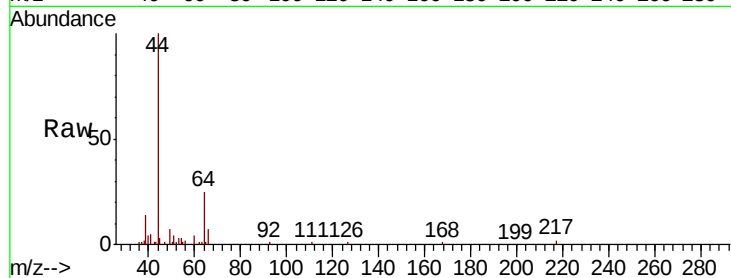
64 100

66 26.4 24.2 36.4

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#9

Propene

Concen: 60.150 ppbv

RT: 2.99 min Scan# 64

Delta R.T. 0.00 min

Lab File: VL034212.D

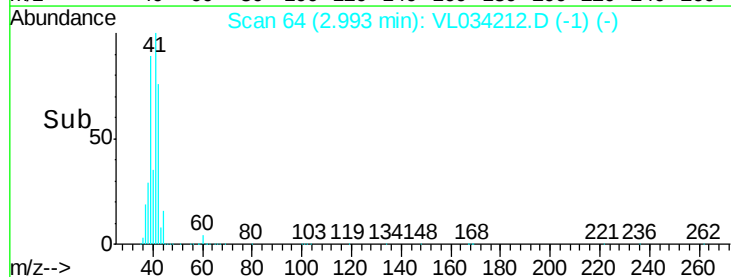
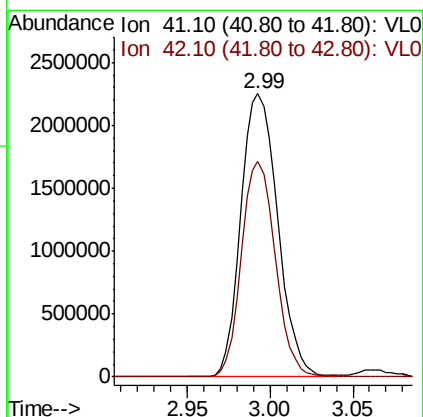
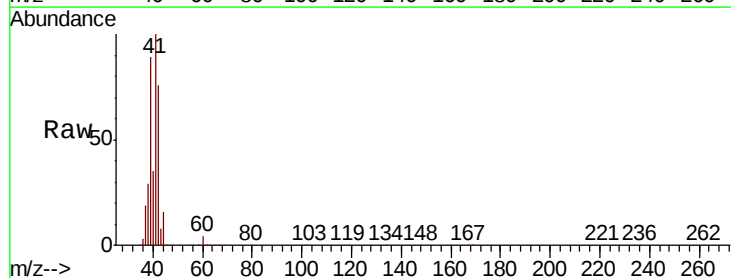
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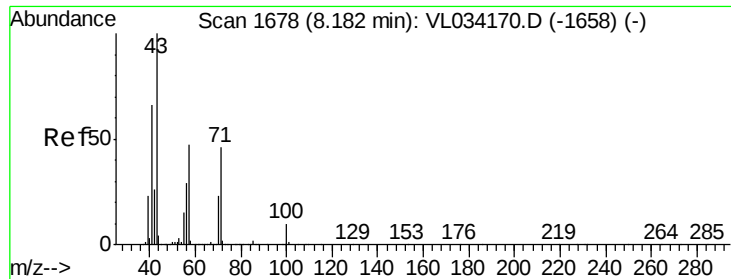
Tgt Ion: 41 Resp: 3493761

Ion Ratio Lower Upper

41 100

42 70.1 55.8 83.6





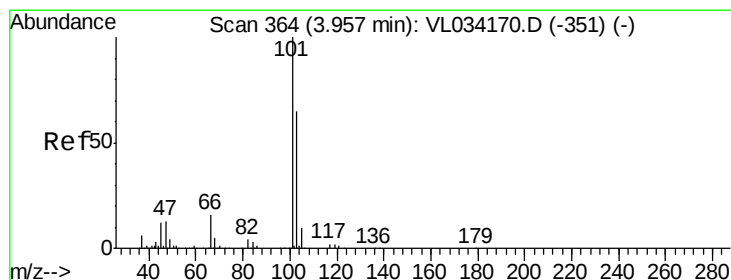
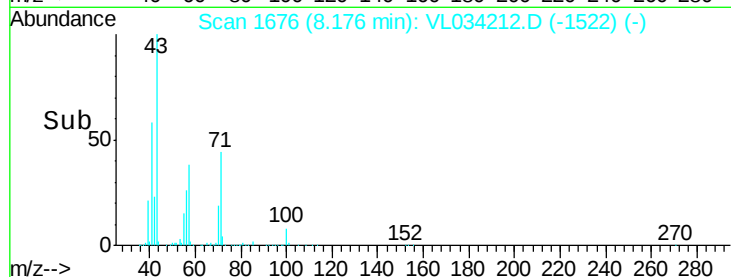
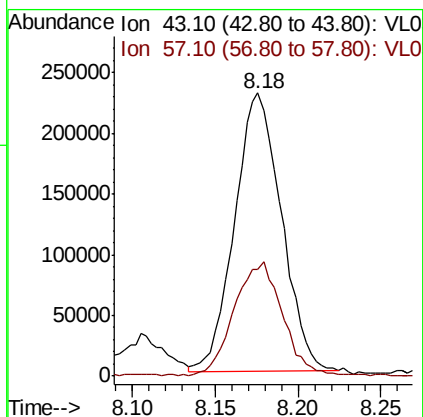
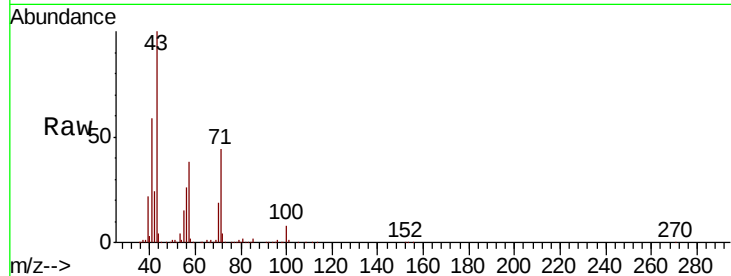
#10
Heptane
Concen: 2.964 ppbv
RT: 8.18 min Scan# 1676
Delta R.T. -0.01 min
Lab File: VL034212.D
Acq: 2 Oct 2019 15:54

Instrument :
MSVOA_L
ClientSampled :
SV-2

Tot Ion: 43 Resp: 448697
Ion Ratio Lower Upper
43 100
57 43.0 37.5 56.3

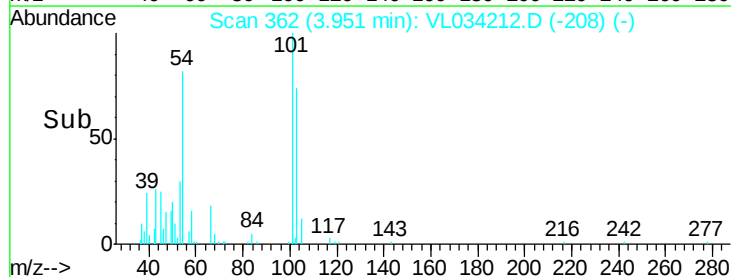
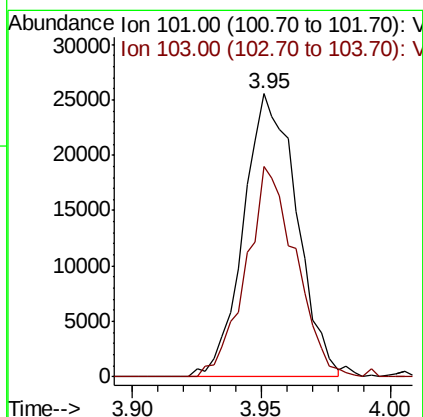
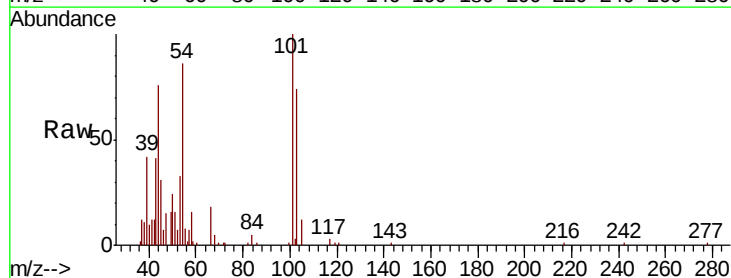
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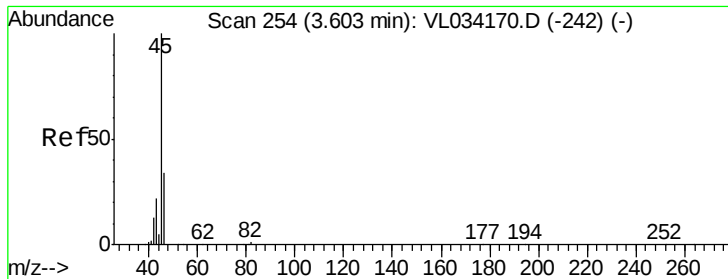
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#11
Trichlorofluoromethane
Concen: 0.272 ppbv
RT: 3.95 min Scan# 362
Delta R.T. -0.01 min
Lab File: VL034212.D
Acq: 2 Oct 2019 15:54

Tgt Ion: 101 Resp: 36774
Ion Ratio Lower Upper
101 100
103 74.5 52.1 78.1





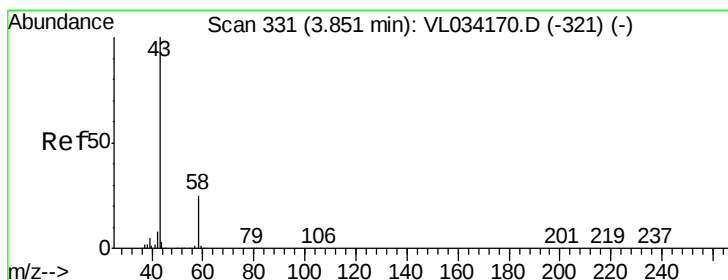
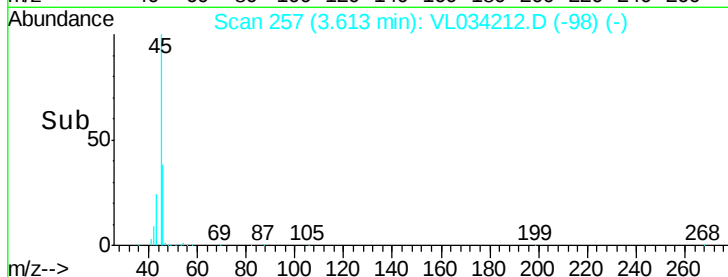
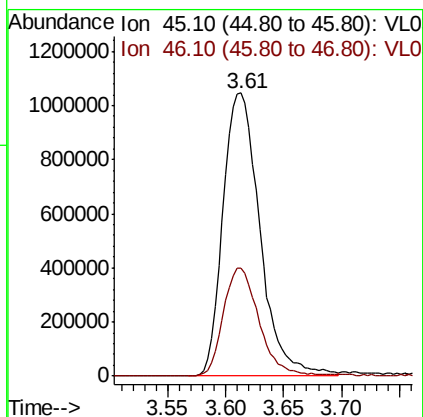
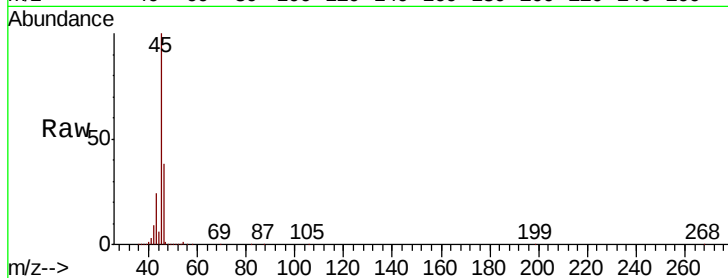
#13
Ethanol
Concen: 164.048 ppbv
RT: 3.61 min Scan# 257
Delta R.T. 0.01 min
Lab File: VL034212.D
Acq: 2 Oct 2019 15:54

Instrument :
MSVOA_L
ClientSampleId :
SV-2

Tot Ion: 45 Resp: 2307356
Ion Ratio Lower Upper
45 100
46 37.6 15.5 61.9

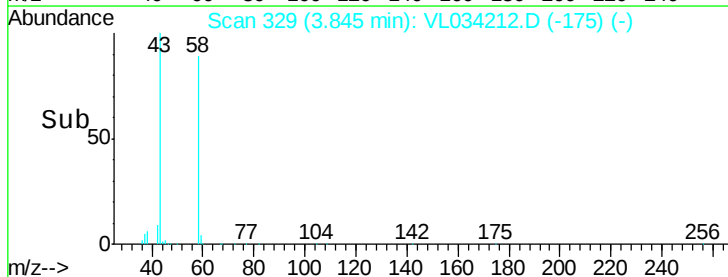
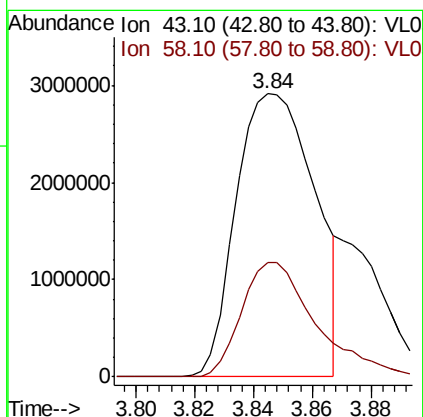
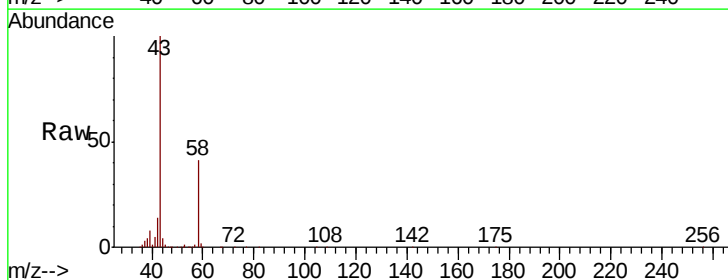
Manual Integrations
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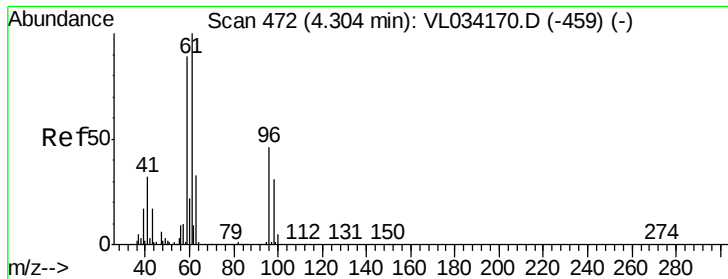
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#15
Acetone
Concen: 40.395 ppbv m
RT: 3.84 min Scan# 329
Delta R.T. -0.01 min
Lab File: VL034212.D
Acq: 2 Oct 2019 15:54

Tgt Ion: 43 Resp: 5436133
Ion Ratio Lower Upper
43 100
58 38.3 20.5 30.7#





#17

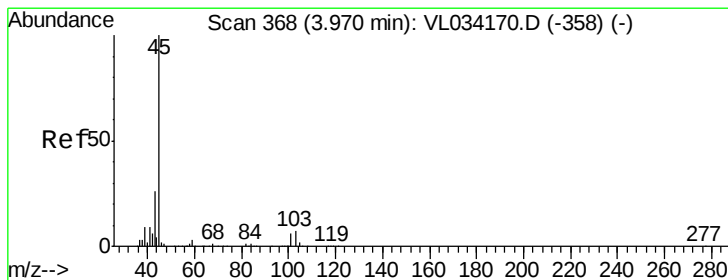
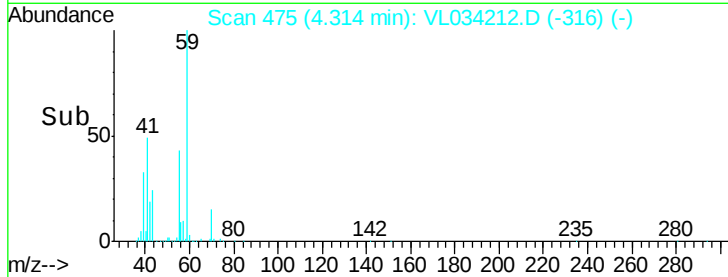
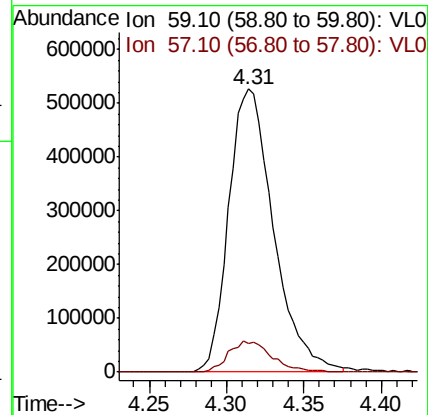
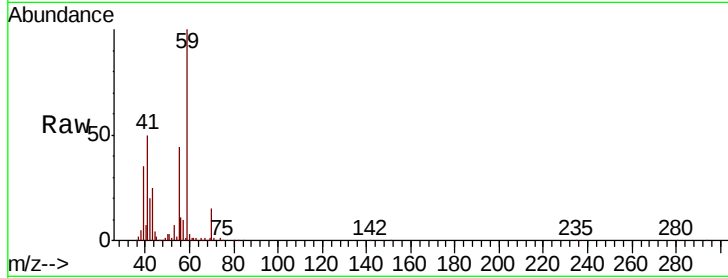
tert-Butyl alcohol
Concen: 12.392 ppbv
RT: 4.31 min Scan# 475
Delta R.T. 0.01 min
Lab File: VL034212.D
Acq: 2 Oct 2019 15:54

Instrument :
MSVOA_L
ClientSampled :
SV-2

Tot Ion: 59 Resp: 1056641
Ion Ratio Lower Upper
59 100
57 11.0 8.7 13.1

Manual Integrations
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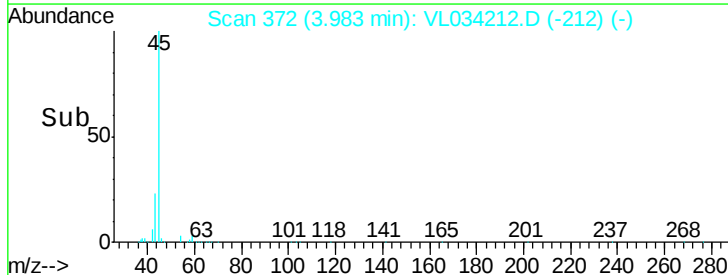
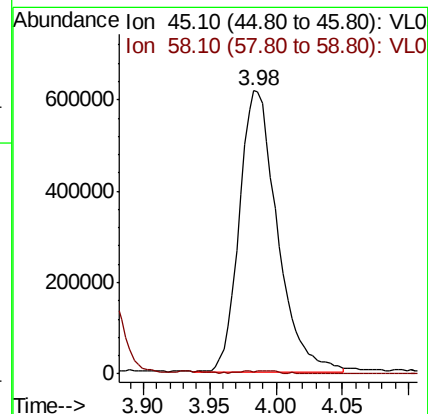
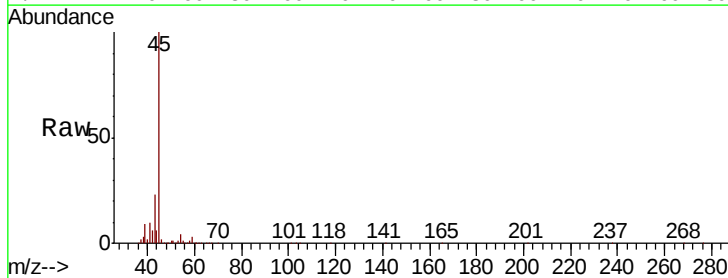
MMDadoda
10/7/2019 12:29:44 PM

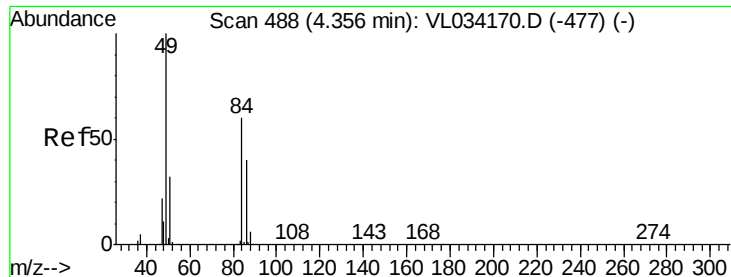


#19

Isopropyl Alcohol
Concen: 14.782 ppbv
RT: 3.98 min Scan# 372
Delta R.T. 0.01 min
Lab File: VL034212.D
Acq: 2 Oct 2019 15:54

Tgt Ion: 45 Resp: 1223255
Ion Ratio Lower Upper
45 100
58 170.2 1.4 2.0#





#20

Methvlene Chloride

Concen: 4.568 ppbv

RT: 4.36 min Scan# 488

Delta R.T. 0.00 min

Lab File: VL034212.D

Acq: 2 Oct 2019 15:54

Instrument :

MSVOA_L

ClientSampleId :

SV-2

Tot Ion: 84 Resp: 177222

Ion Ratio Lower Upper

84 100

49 173.5 133.8 200.8

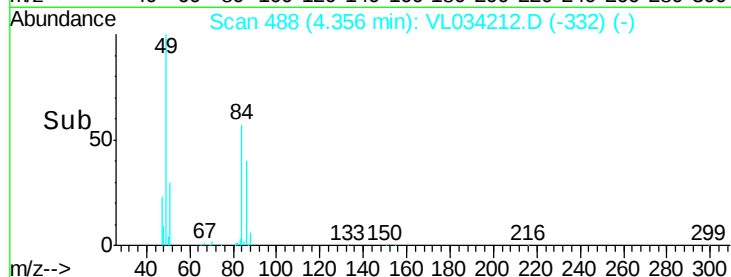
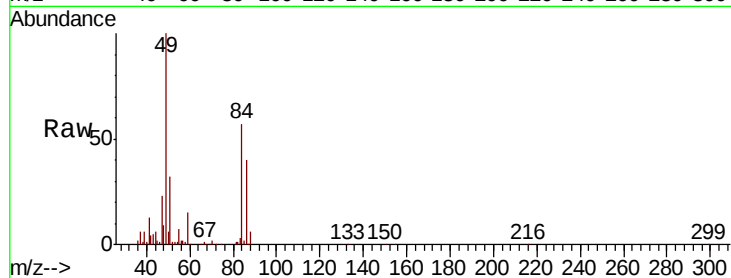
51 52.9 43.6 65.4

86 70.1 53.1 79.7

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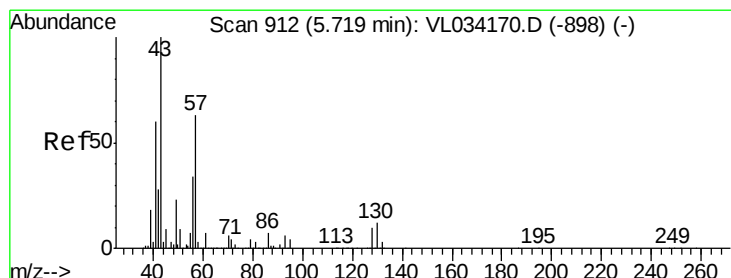
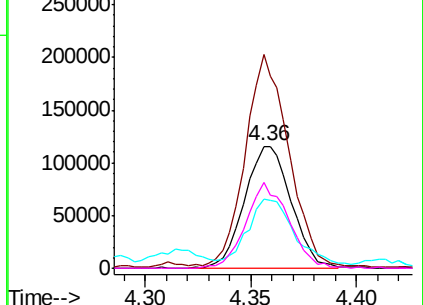


Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0



#26

Hexane

Concen: 7.007 ppbv

RT: 5.72 min Scan# 911

Delta R.T. -0.00 min

Lab File: VL034212.D

Acq: 2 Oct 2019 15:54

Tgt Ion: 57 Resp: 741749

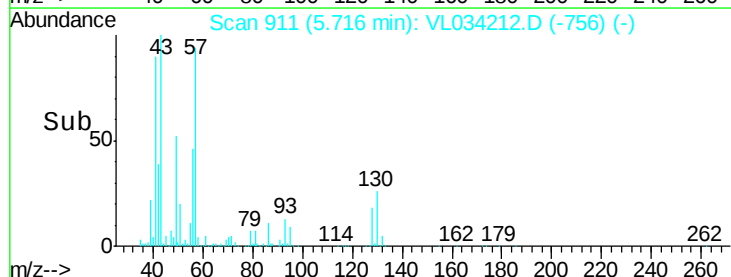
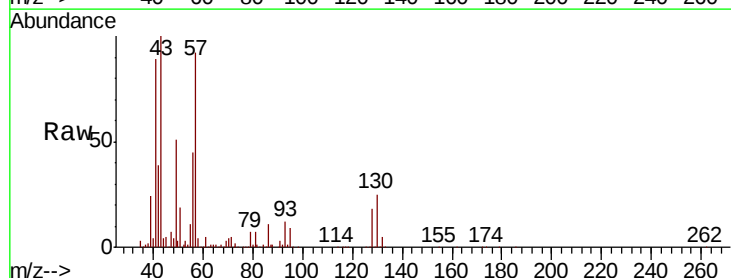
Ion Ratio Lower Upper

57 100

41 105.9 78.5 117.7

43 158.5 189.5 284.3#

56 57.0 43.2 64.8

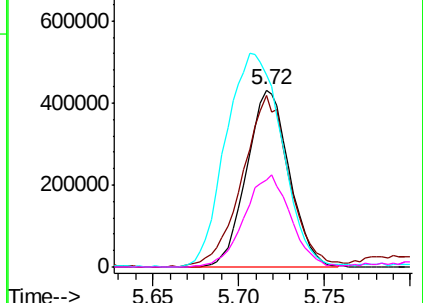


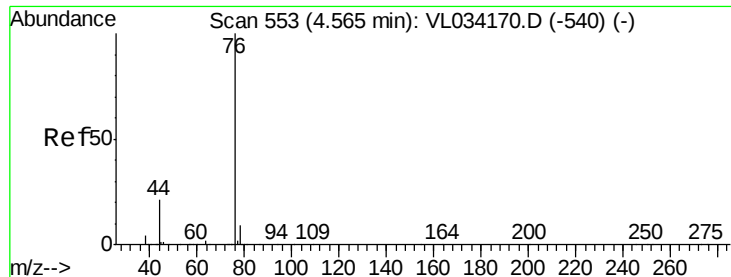
Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 35.686 ppbv

RT: 4.56 min Scan# 553

Delta R.T. 0.00 min

Lab File: VL034212.D

Acq: 2 Oct 2019 15:54

Instrument :

MSVOA_L

ClientSampled :

SV-2

Tot Ion: 76 Resp: 3484036

Ion Ratio Lower Upper

76 100

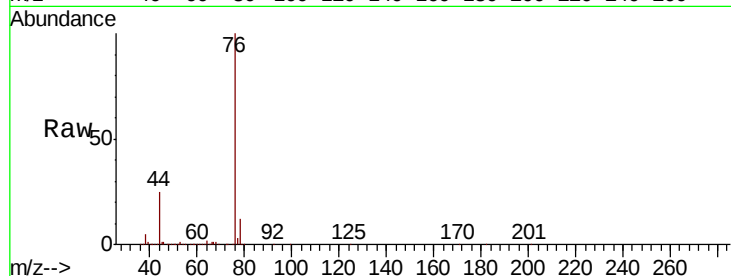
44 23.4 17.6 26.4

78 10.5 7.6 11.4

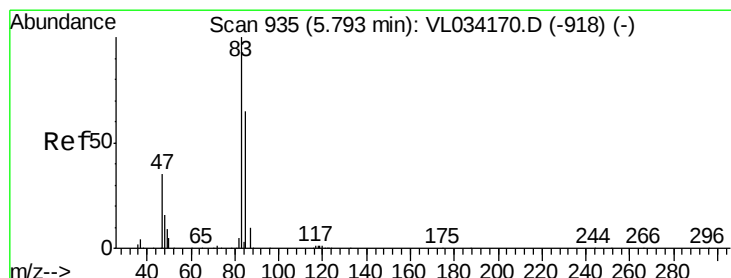
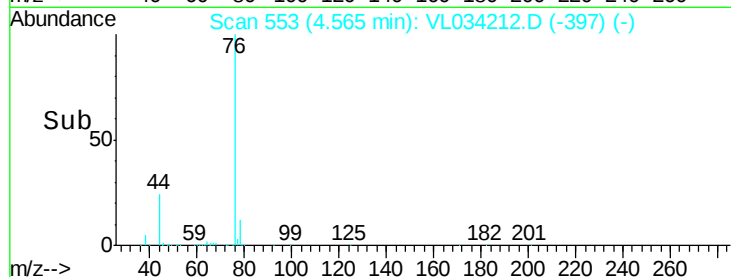
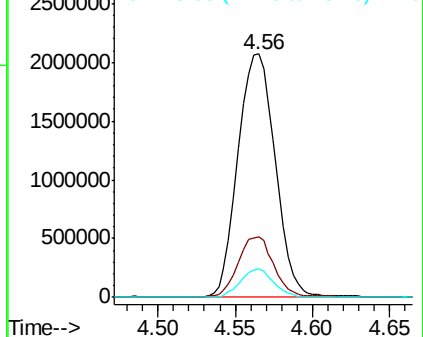
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Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



#29

Chloroform

Concen: 0.261 ppbv

RT: 5.79 min Scan# 933

Delta R.T. -0.01 min

Lab File: VL034212.D

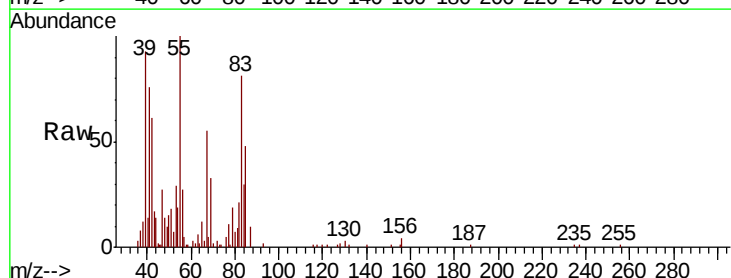
Acq: 2 Oct 2019 15:54

Tgt Ion: 83 Resp: 39518

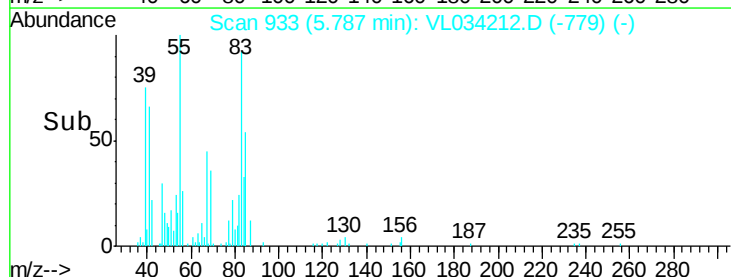
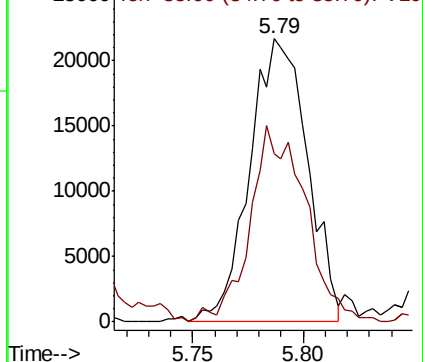
Ion Ratio Lower Upper

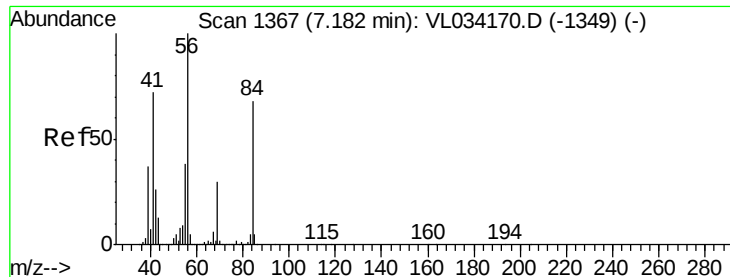
83 100

85 59.4 52.3 78.5



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





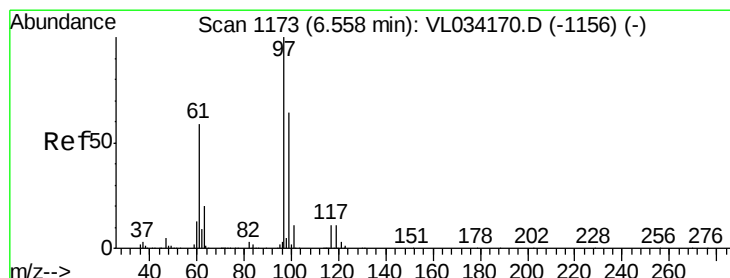
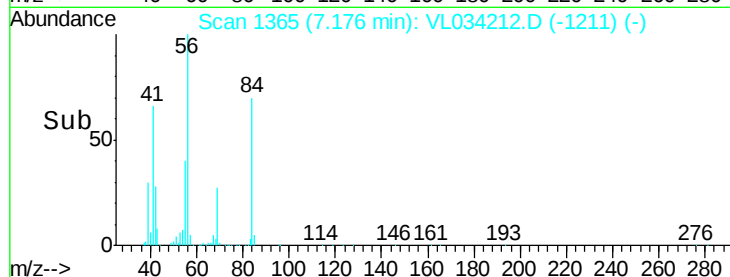
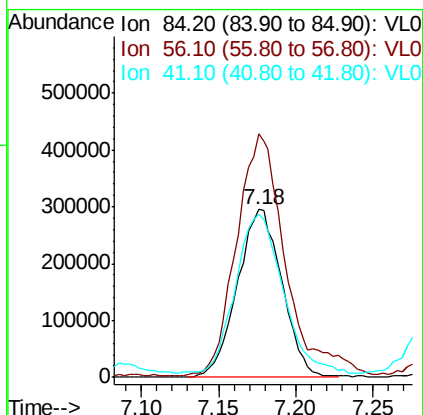
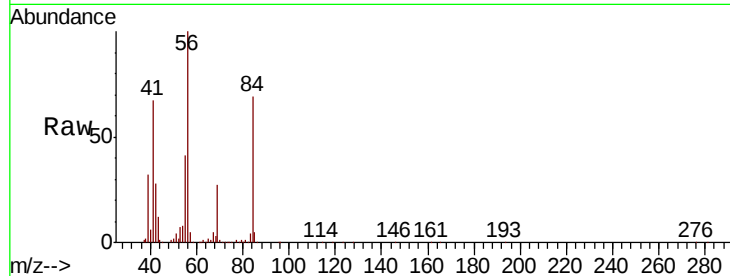
#30
Cyclohexane
Concen: 7.676 ppbv
RT: 7.18 min Scan# 1365
Delta R.T. -0.01 min
Lab File: VL034212.D
Acq: 2 Oct 2019 15:54

Instrument :
MSVOA_L
ClientSampled :
SV-2

Tot Ion	Ratio	Lower	Upper
84	100		
56	161.2	126.2	189.2
41	107.1	85.8	128.8

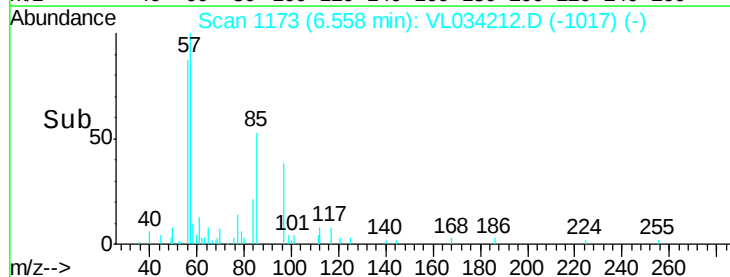
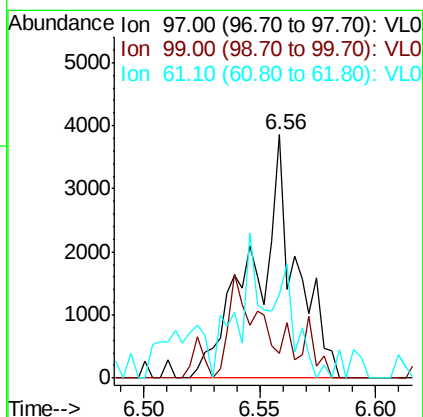
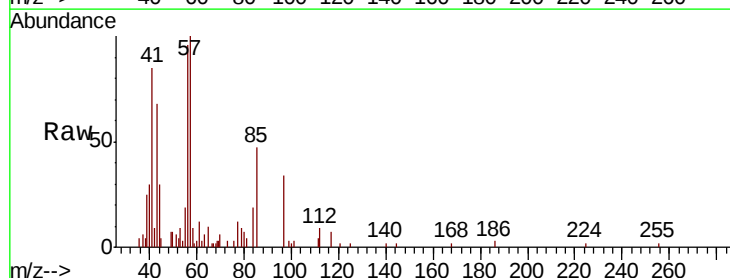
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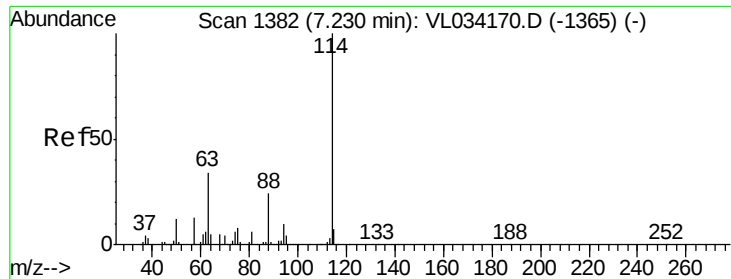
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#32
1,1,1-Trichloroethane
Concen: 0.034 ppbv m
RT: 6.56 min Scan# 1173
Delta R.T. 0.00 min
Lab File: VL034212.D
Acq: 2 Oct 2019 15:54

Tgt Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.4	77.2#
61	0.0	48.4	72.6#





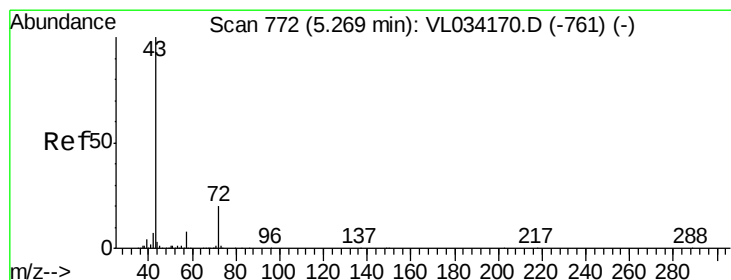
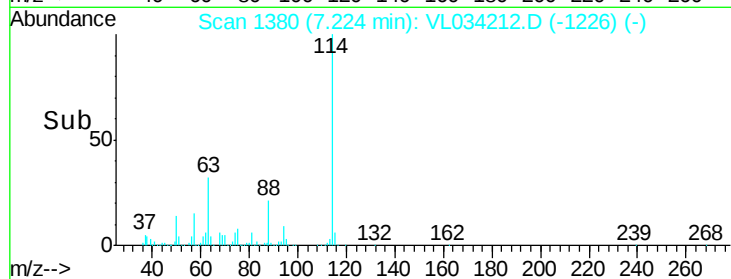
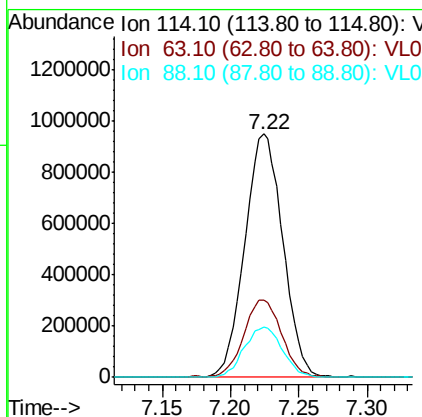
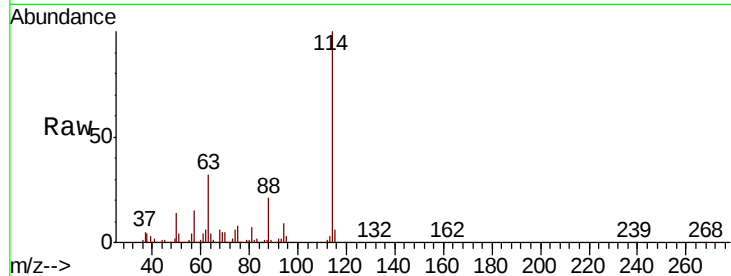
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.22 min Scan# 1380
 Delta R.T. -0.01 min
 Lab File: VL034212.D
 Acq: 2 Oct 2019 15:54

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-2

Tot Ion	Ratio	Lower	Upper
114	100		
63	32.2	27.8	41.6
88	20.8	17.1	25.7

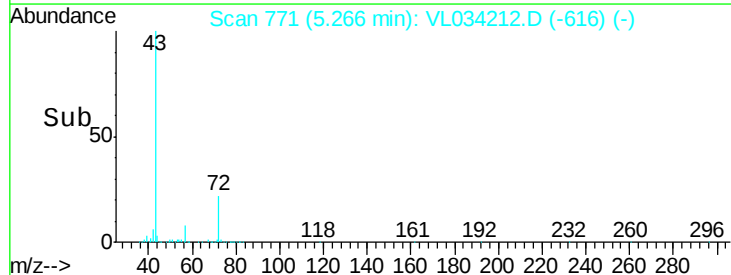
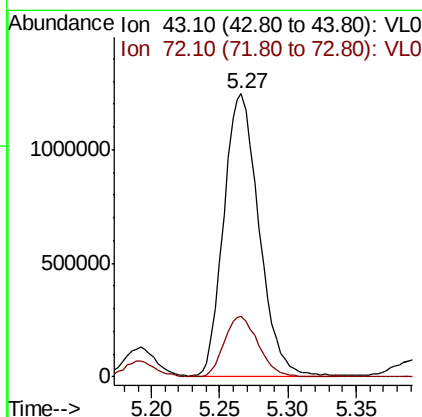
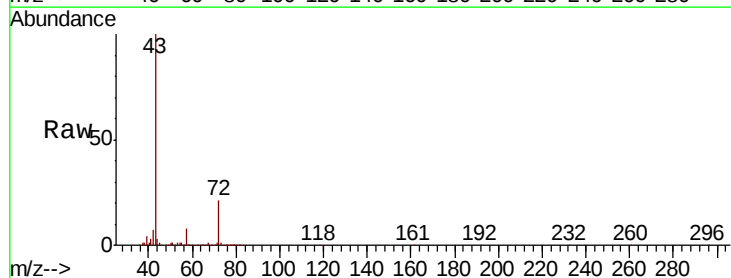
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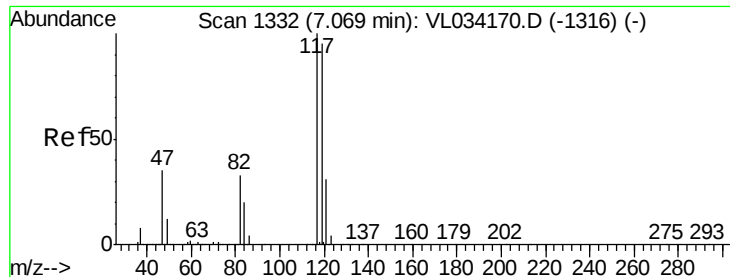
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#34
 2-Butanone
 Concen: 11.844 ppbv
 RT: 5.27 min Scan# 771
 Delta R.T. -0.00 min
 Lab File: VL034212.D
 Acq: 2 Oct 2019 15:54

Tgt Ion	Ratio	Lower	Upper
43	100		
72	20.9	15.0	22.6





#35

Carbon Tetrachloride

Concen: 0.038 ppbv m

RT: 7.08 min Scan# 1334

Delta R.T. 0.01 min

Lab File: VL034212.D

Acq: 2 Oct 2019 15:54

Instrument :

MSVOA_L

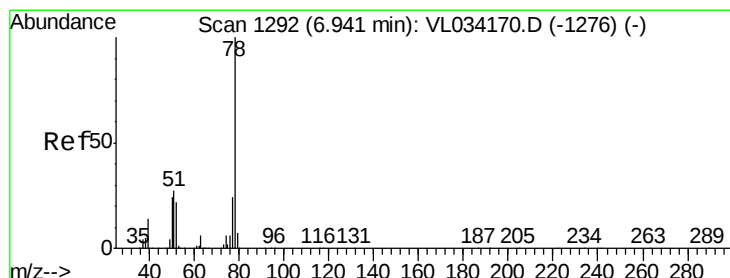
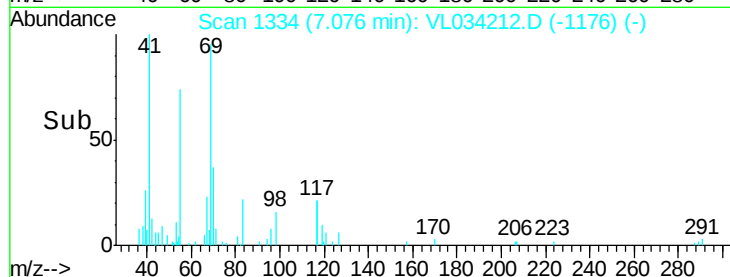
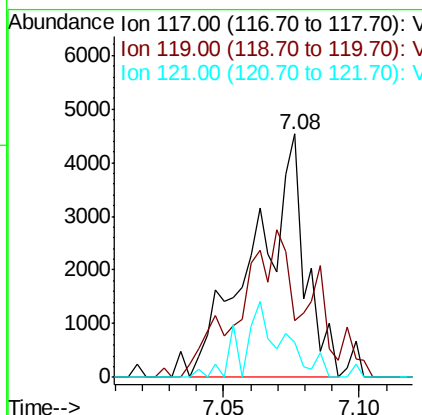
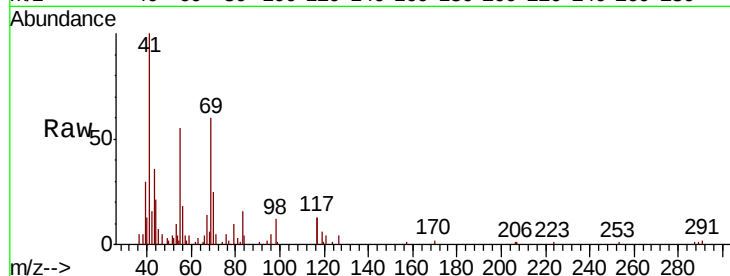
ClientSampled :

SV-2

Tot Ion	Ratio	Lower	Upper
117	100		
119	46.5	75.8	113.6#
121	29.1	25.0	37.6

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#36

Benzene

Concen: 2.021 ppbv

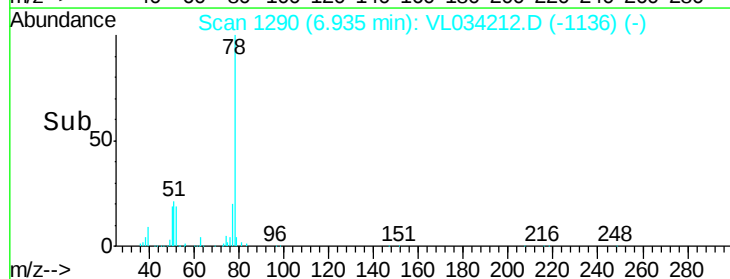
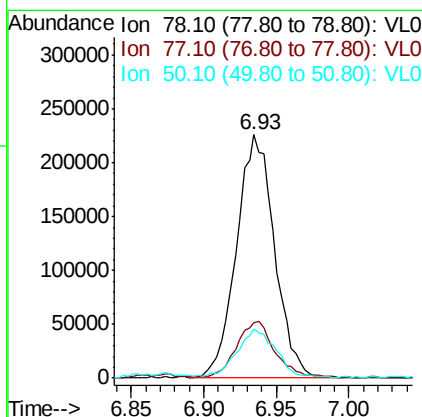
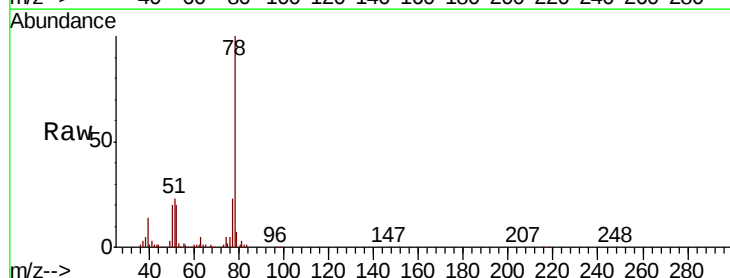
RT: 6.93 min Scan# 1290

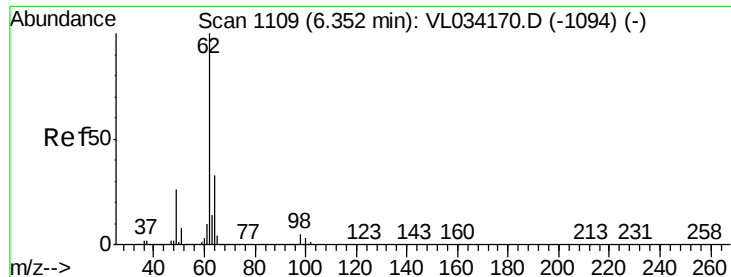
Delta R.T. -0.01 min

Lab File: VL034212.D

Acq: 2 Oct 2019 15:54

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.6	19.0	28.4
50	19.8	18.9	28.3





#37

1,2-Dichloroethane

Concen: 0.698 ppbv

RT: 6.35 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VL034212.D

Acq: 2 Oct 2019 15:54

Instrument :

MSVOA_L

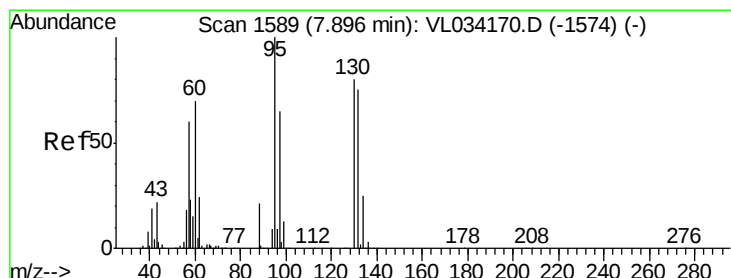
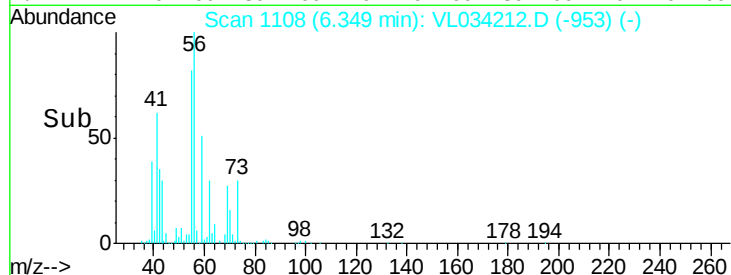
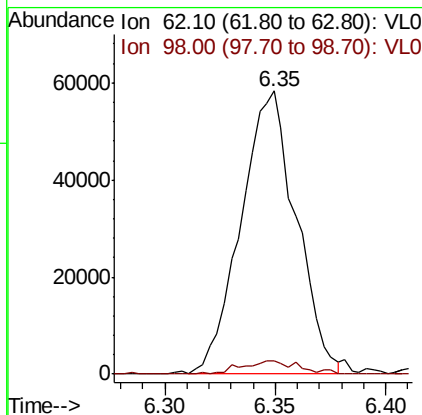
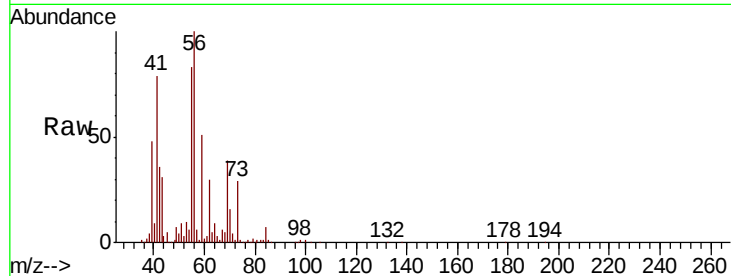
ClientSampleId :

SV-2

Tot Ion	Ratio	Resp	Lower	Upper
62	100	100808		
98	5.1		3.8	5.8

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#38

Trichloroethene

Concen: 0.198 ppbv m

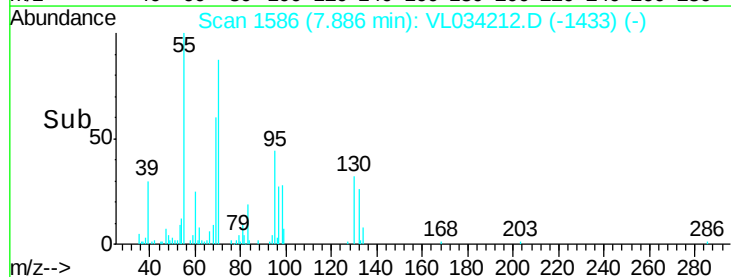
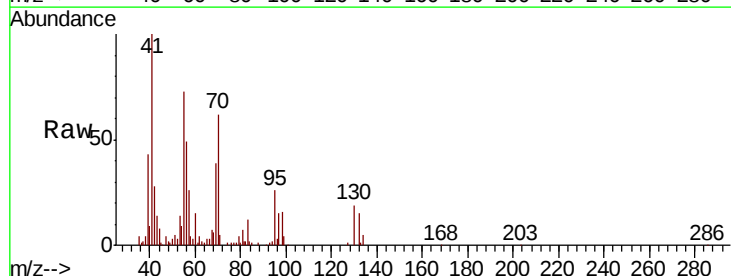
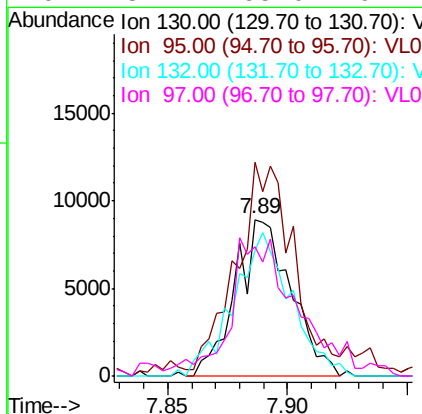
RT: 7.89 min Scan# 1586

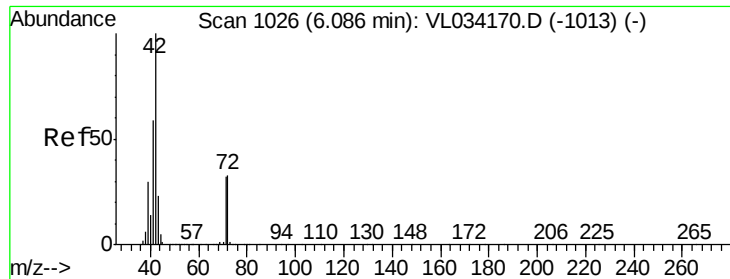
Delta R.T. -0.01 min

Lab File: VL034212.D

Acq: 2 Oct 2019 15:54

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	14403		
95	136.4		99.8	149.6
132	80.5		75.2	112.8
97	82.2		65.0	97.4





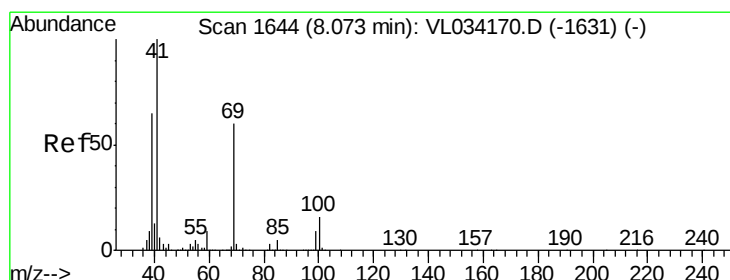
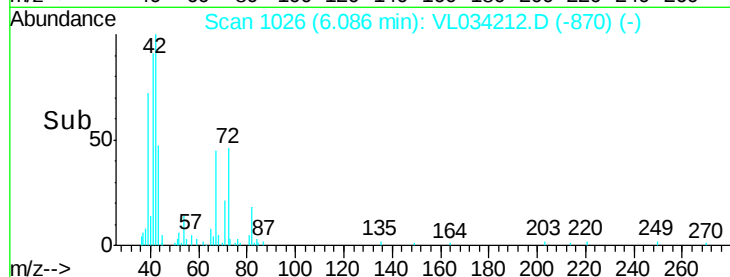
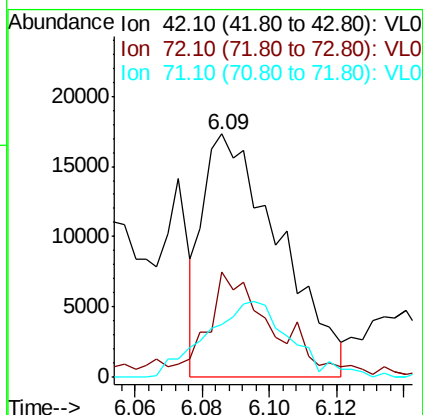
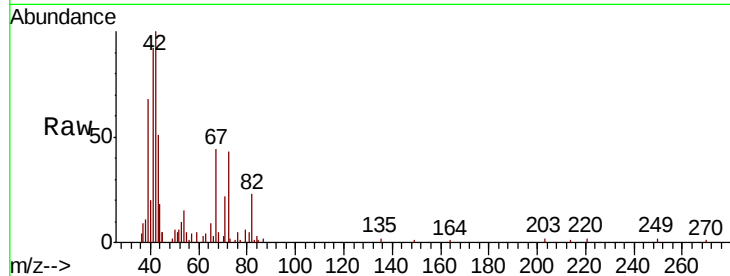
#41
Tetrahydrofuran
Concen: 0.260 ppbv m
RT: 6.09 min Scan# 1026
Delta R.T. 0.00 min
Lab File: VL034212.D
Acq: 2 Oct 2019 15:54

Instrument :
MSVOA_L
ClientSampled :
SV-2

Tot Ion	Ratio	Lower	Upper
42	100		
72	0.0	26.6	40.0#
71	0.0	25.1	37.7#

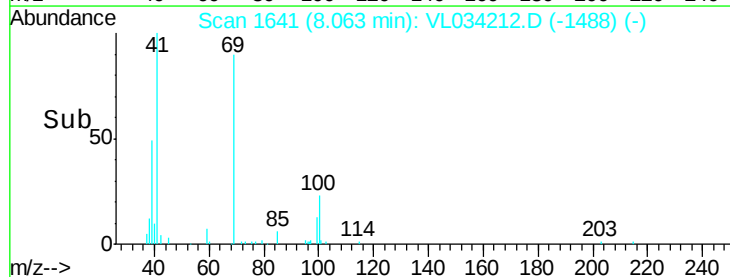
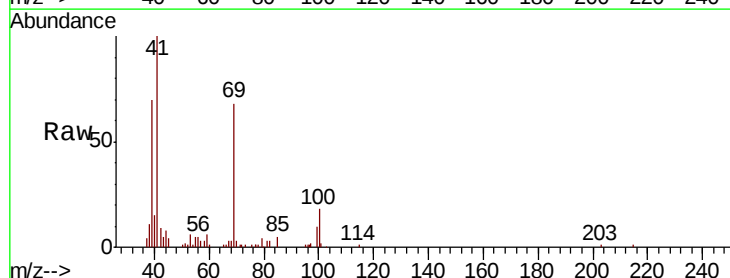
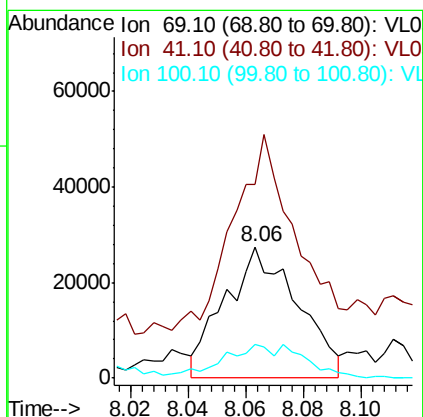
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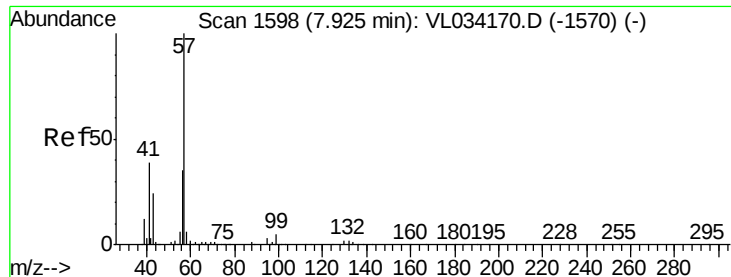
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#43
Methyl Methacrylate
Concen: 0.576 ppbv m
RT: 8.06 min Scan# 1641
Delta R.T. -0.01 min
Lab File: VL034212.D
Acq: 2 Oct 2019 15:54

Tgt Ion	Ratio	Lower	Upper
69	100		
41	258.9	140.4	210.6#
100	28.1	21.9	32.9





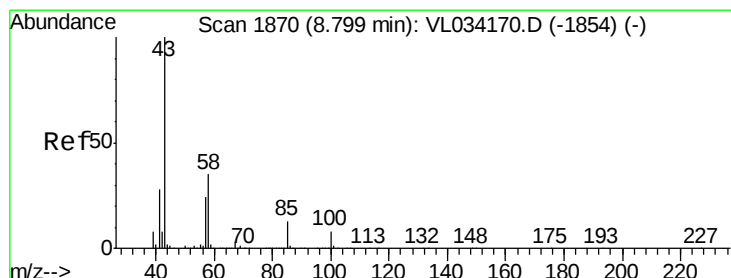
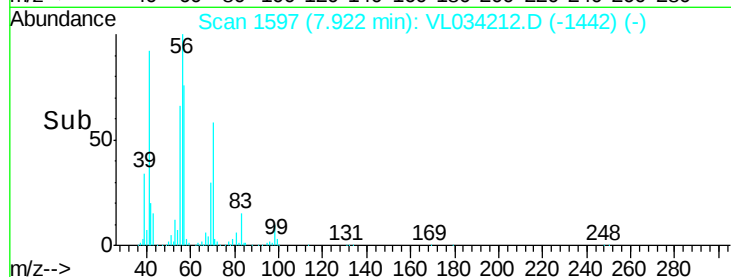
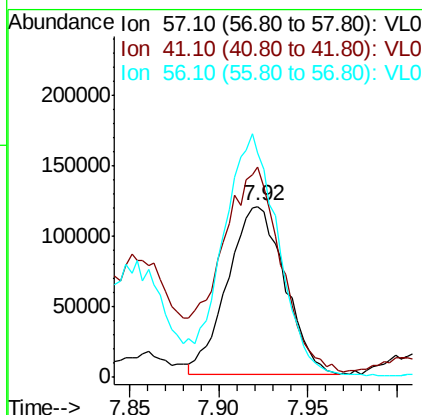
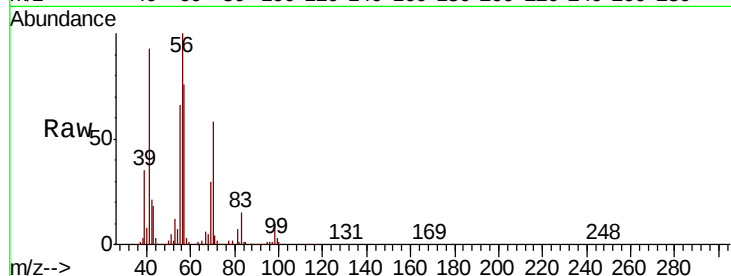
#44
 2,2,4-Trimethylpentane
 Concen: 0.679 ppbv
 RT: 7.92 min Scan# 1597
 Delta R.T. -0.00 min
 Lab File: VL034212.D
 Acq: 2 Oct 2019 15:54

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-2

Tot Ion	Ratio	Lower	Upper
57	100		
41	137.9	29.8	44.6#
56	141.0	25.9	38.9#

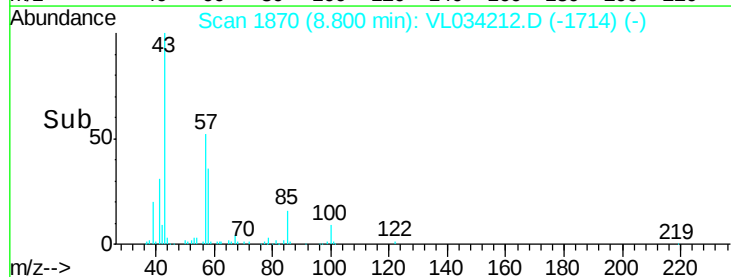
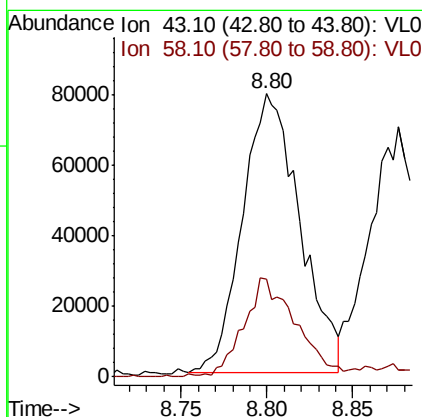
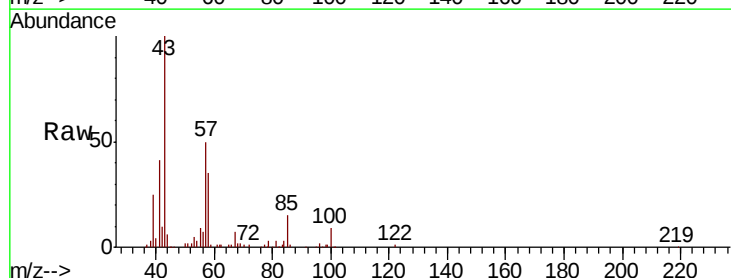
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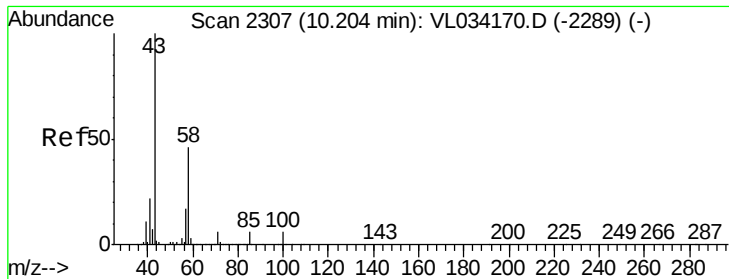
MMDadoda
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#50
 4-Methyl-2-Pentanone
 Concen: 0.668 ppbv
 RT: 8.80 min Scan# 1870
 Delta R.T. 0.00 min
 Lab File: VL034212.D
 Acq: 2 Oct 2019 15:54

Tgt Ion	Ratio	Lower	Upper
43	100		
58	33.0	27.6	41.4





#51

2-Hexanone

Concen: 1.013 ppbv

RT: 10.19 min Scan# 2303

Delta R.T. -0.01 min

Lab File: VL034212.D

Acq: 2 Oct 2019 15:54

Instrument :

MSVOA_L

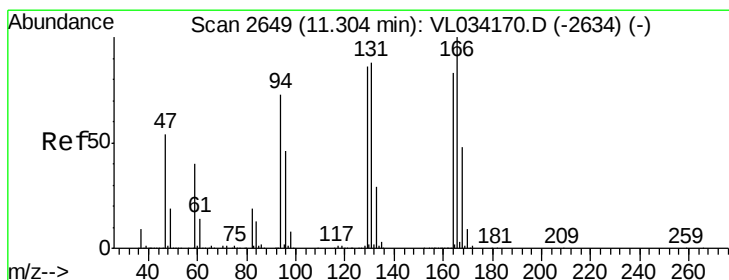
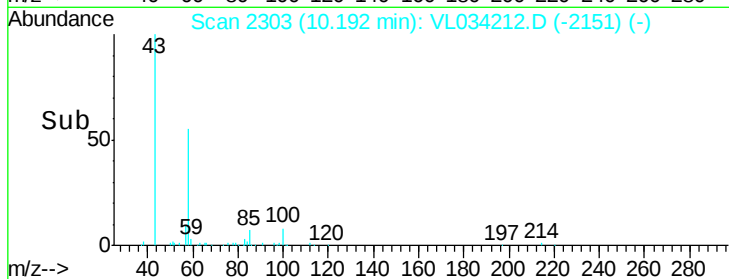
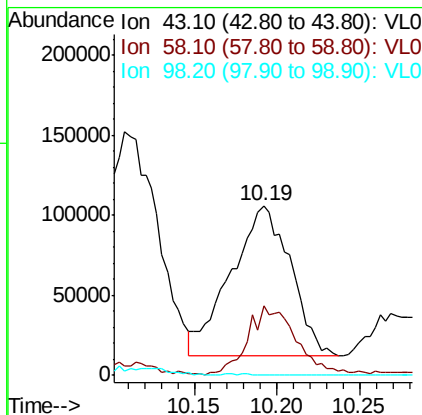
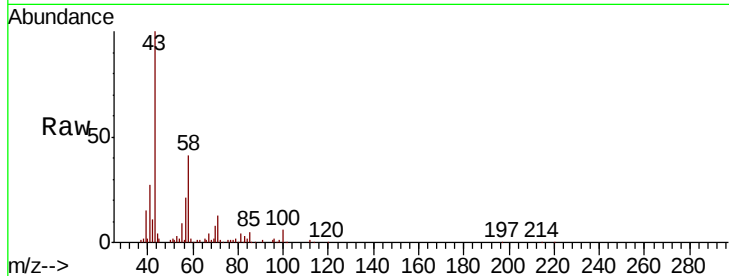
ClientSampleId :

SV-2

Tot Ion:	43	Resp:	232347
Ion Ratio	Lower	Upper	
43	100		
58	37.7	36.2	54.4
98	0.6	0.2	0.2#

Manual Integrations
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#52

Tetrachloroethene

Concen: 16.791 ppbv

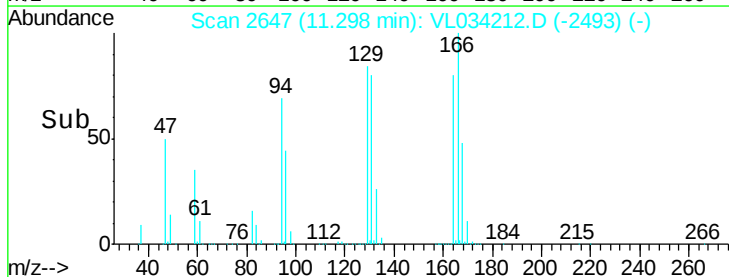
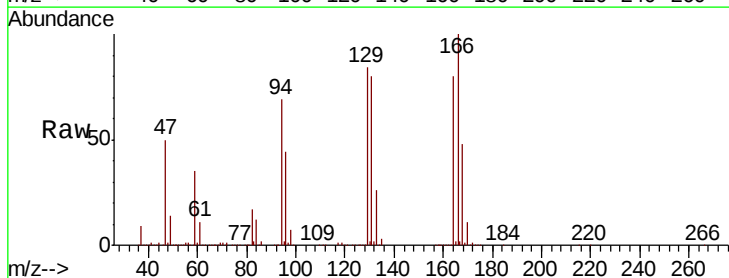
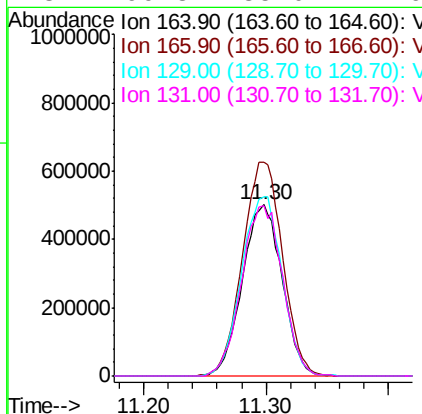
RT: 11.30 min Scan# 2647

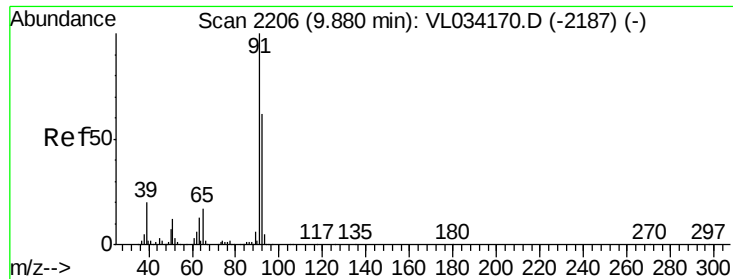
Delta R.T. -0.01 min

Lab File: VL034212.D

Acq: 2 Oct 2019 15:54

Tgt Ion:	164	Resp:	1126584
Ion Ratio	Lower	Upper	
164	100		
166	124.7	96.7	145.1
129	104.6	82.8	124.2
131	99.8	85.0	127.6





#53

Toluene

Concen: 10.274 ppbv

RT: 9.87 min Scan# 2203

Delta R.T. -0.01 min

Lab File: VL034212.D

Acq: 2 Oct 2019 15:54

Instrument :

MSVOA_L

ClientSampleId :

SV-2

Tot Ion: 91 Resp: 2280190

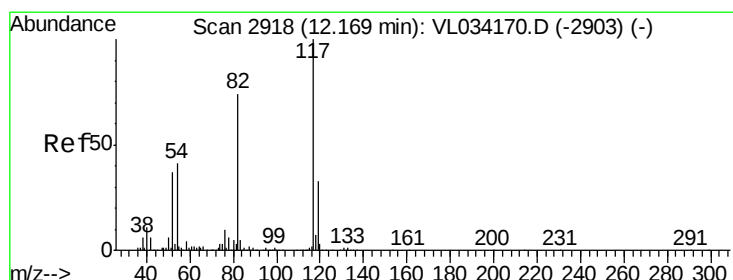
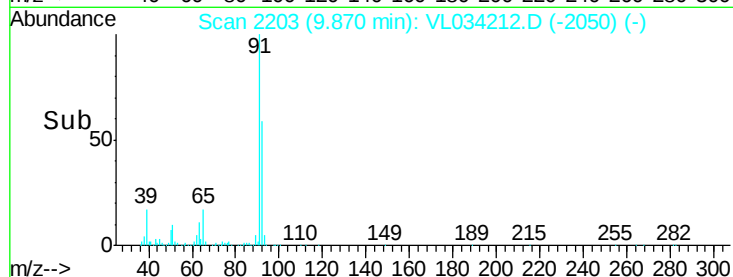
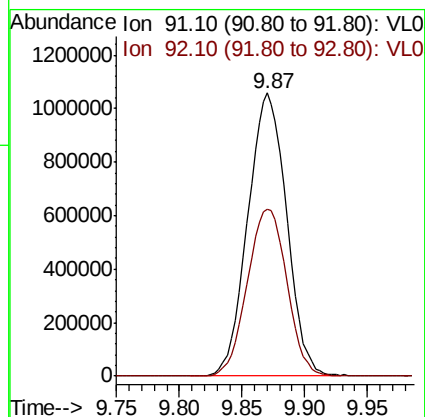
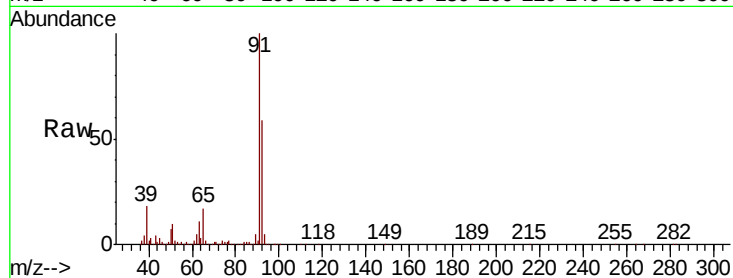
Ion Ratio Lower Upper

91 100

92 60.1 49.0 73.6

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.16 min Scan# 2916

Delta R.T. -0.01 min

Lab File: VL034212.D

Acq: 2 Oct 2019 15:54

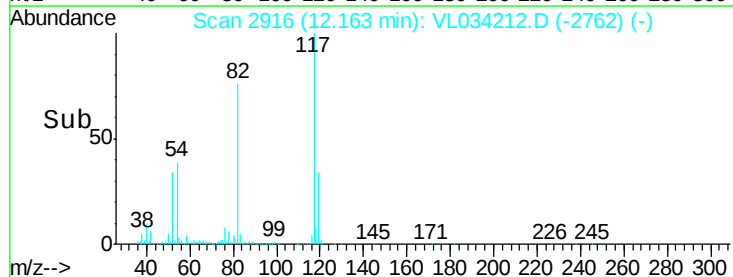
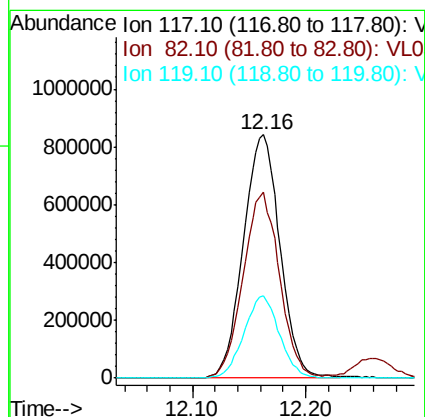
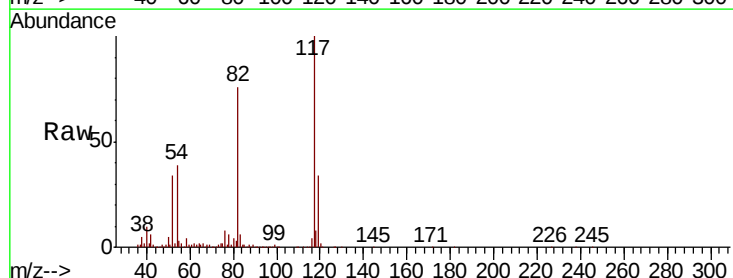
Tgt Ion: 117 Resp: 1896259

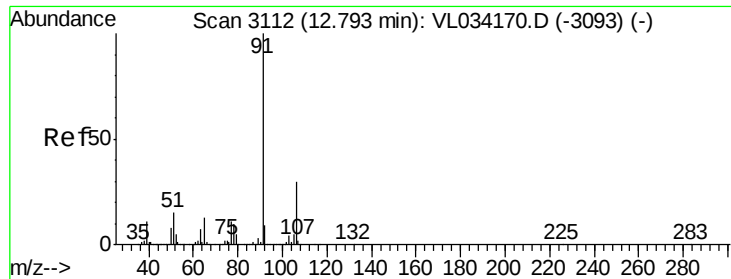
Ion Ratio Lower Upper

117 100

82 75.9 58.2 87.4

119 32.8 23.7 35.5





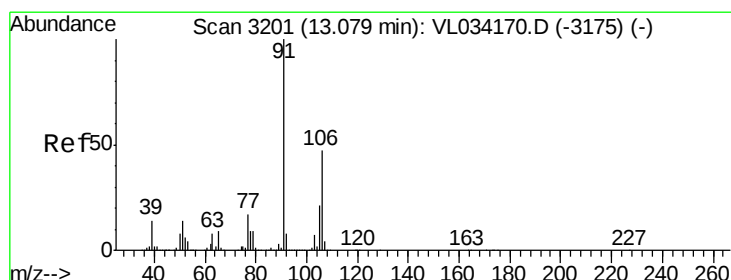
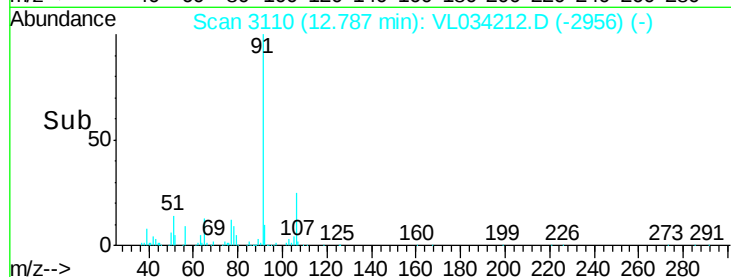
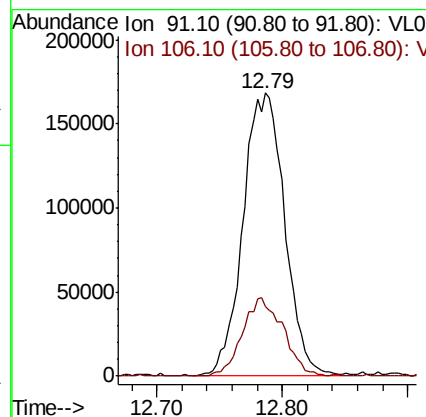
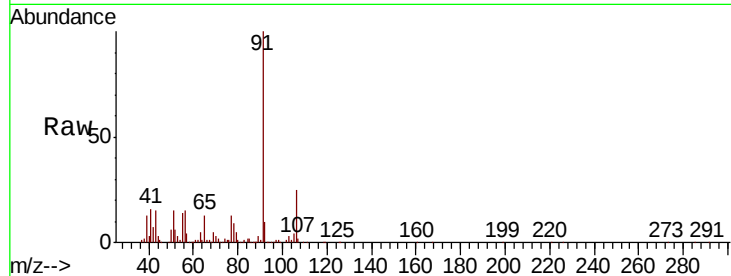
#58
Ethyl Benzene
Concen: 1.260 ppbv
RT: 12.79 min Scan# 3110
Delta R.T. -0.01 min
Lab File: VL034212.D
Acq: 2 Oct 2019 15:54

Instrument :
MSVOA_L
ClientSampleId :
SV-2

Tot Ion: 91 Resp: 385552
Ion Ratio Lower Upper
91 100
106 24.7 24.2 36.4

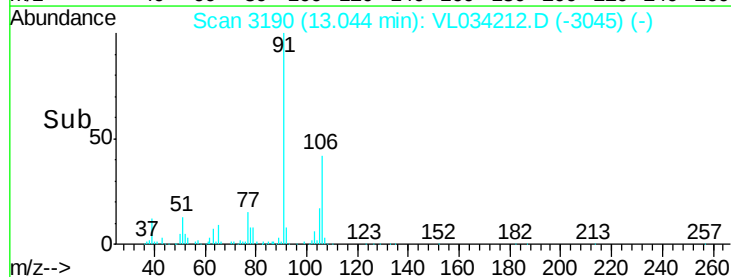
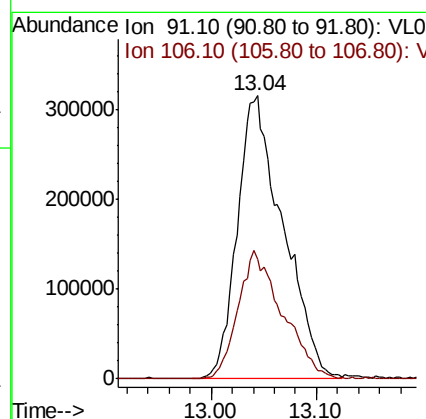
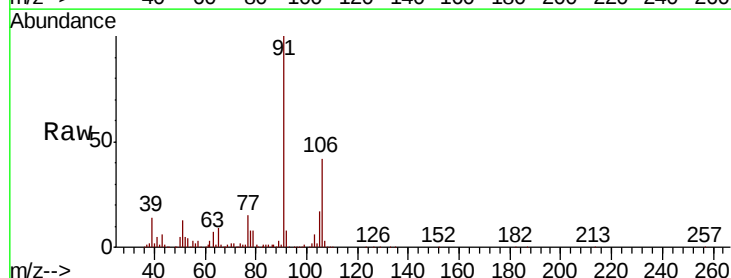
Manual Integrations
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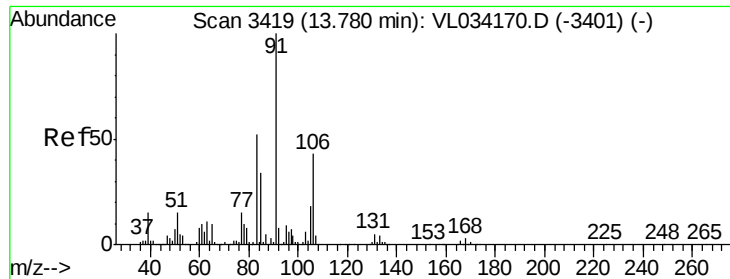
MMDadoda
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#59
m/p-Xylene
Concen: 3.722 ppbv
RT: 13.04 min Scan# 3190
Delta R.T. -0.04 min
Lab File: VL034212.D
Acq: 2 Oct 2019 15:54

Tgt Ion: 91 Resp: 943270
Ion Ratio Lower Upper
91 100
106 44.3 35.5 53.3





#60

o-Xylene

Concen: 1.578 ppbv

RT: 13.77 min Scan# 3415

Delta R.T. -0.01 min

Lab File: VL034212.D

Acq: 2 Oct 2019 15:54

Instrument :

MSVOA_L

ClientSampled :

SV-2

Tot Ion: 91 Resp: 399827

Ion Ratio Lower Upper

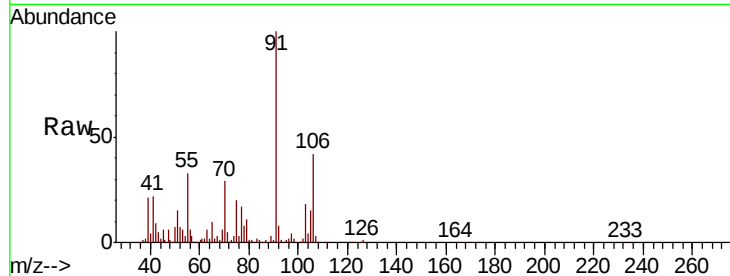
91 100

106 43.5 21.2 63.6

Manual Integrations
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

13.77

200000

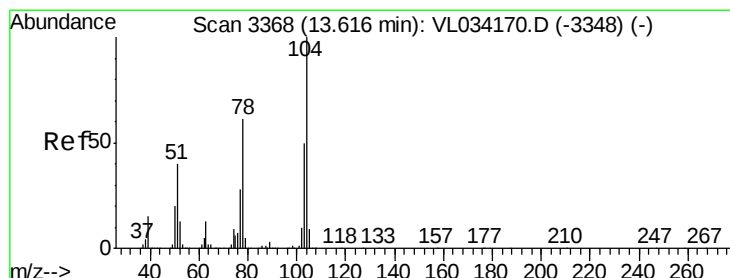
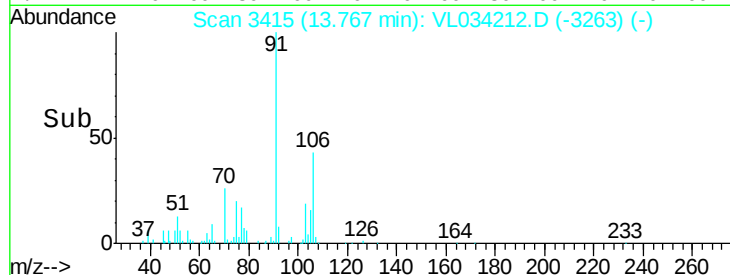
150000

100000

50000

0

Time-->



#61

Styrene

Concen: 0.613 ppbv m

RT: 13.61 min Scan# 3367

Delta R.T. -0.00 min

Lab File: VL034212.D

Acq: 2 Oct 2019 15:54

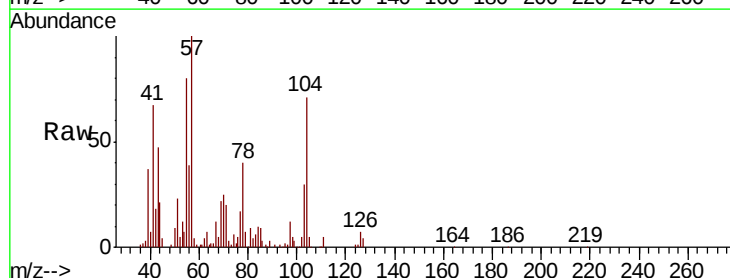
Tgt Ion: 104 Resp: 111200

Ion Ratio Lower Upper

104 100

78 0.0 49.7 74.5#

103 0.0 38.4 57.6#



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V

13.61

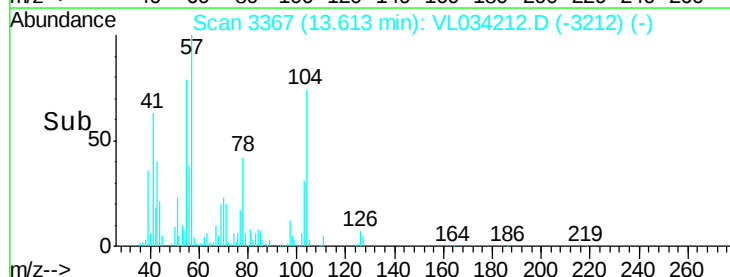
60000

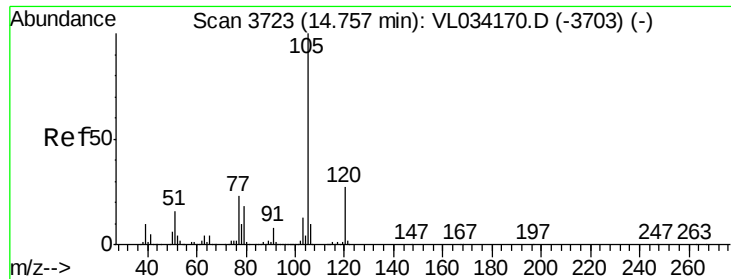
40000

20000

0

Time-->





#62

Isopropylbenzene

Concen: 0.144 ppbv m

RT: 14.74 min Scan# 3717

Delta R.T. -0.02 min

Lab File: VL034212.D

Acq: 2 Oct 2019 15:54

Instrument :

MSVOA_L

ClientSampled :

SV-2

Tot Ion:105 Resp: 47337

Ion Ratio Lower Upper

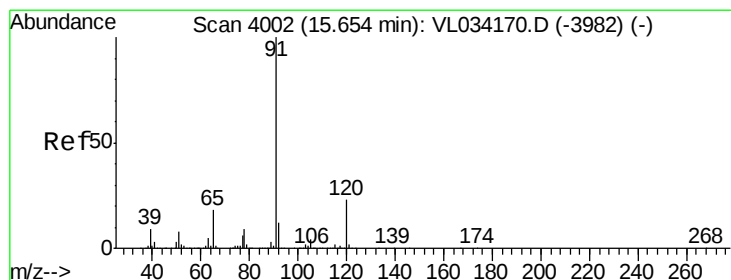
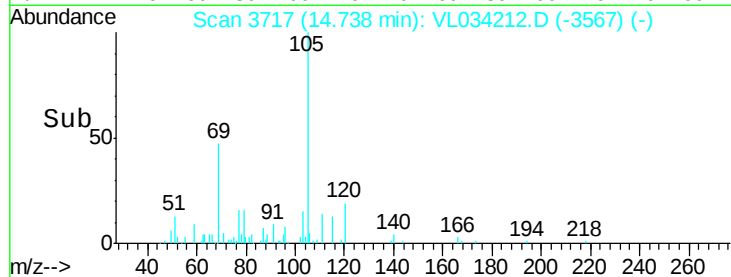
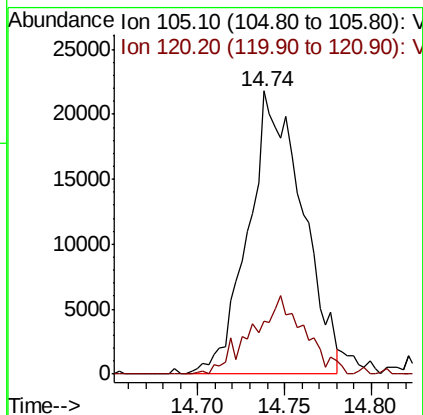
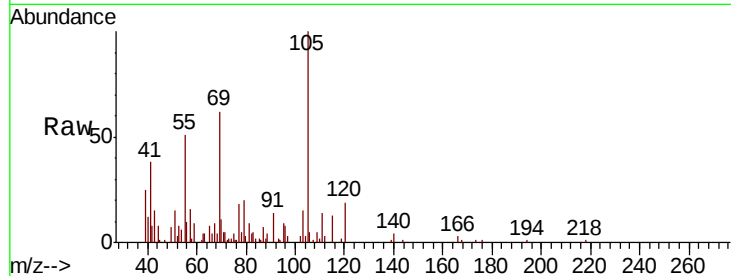
105 100

120 27.1 20.7 31.1

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#64

n-propylbenzene

Concen: 0.357 ppbv m

RT: 15.65 min Scan# 4002

Delta R.T. 0.00 min

Lab File: VL034212.D

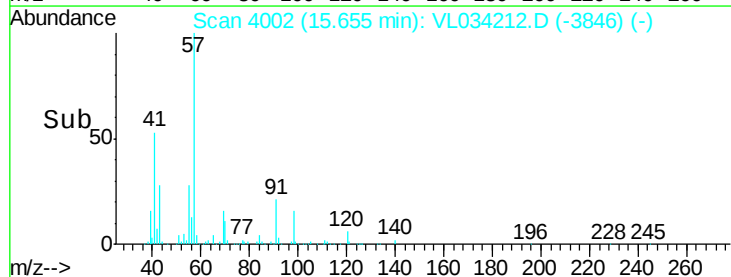
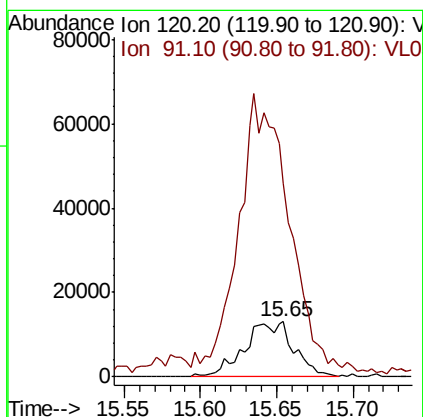
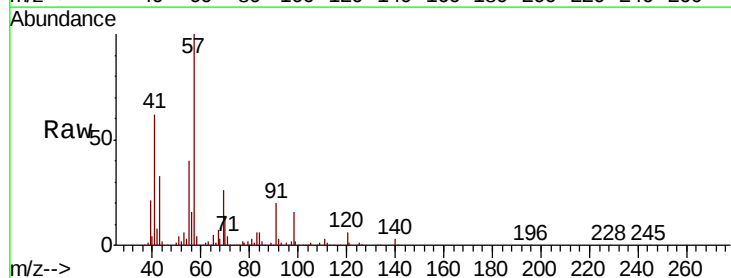
Acq: 2 Oct 2019 15:54

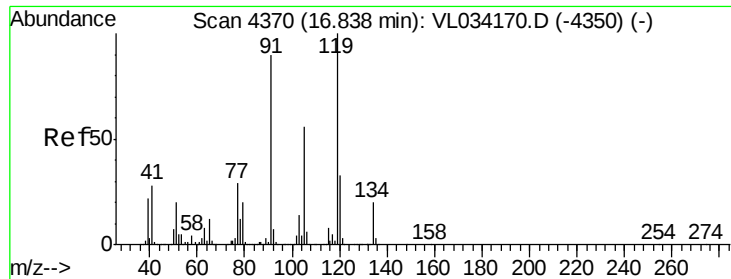
Tgt Ion:120 Resp: 29613

Ion Ratio Lower Upper

120 100

91 512.0 378.2 567.2





#65

tert-Butylbenzene

Concen: 0.175 ppbv m

RT: 16.85 min Scan# 4373

Delta R.T. 0.01 min

Lab File: VL034212.D

Acq: 2 Oct 2019 15:54

Instrument :

MSVOA_L

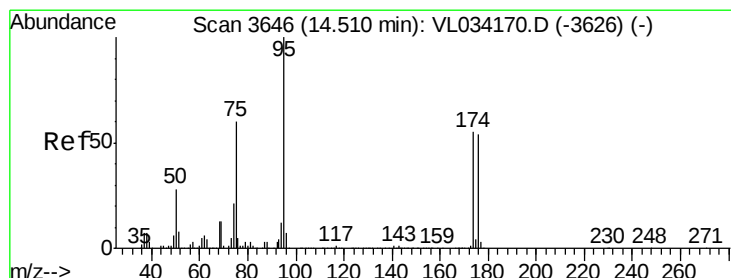
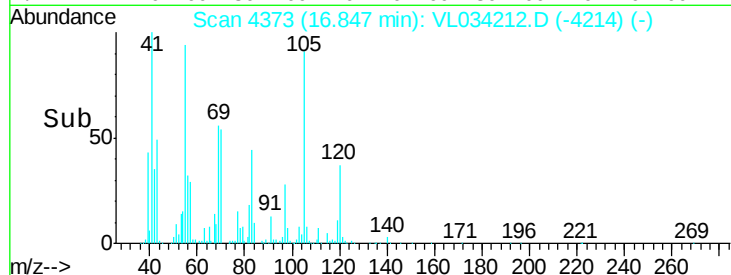
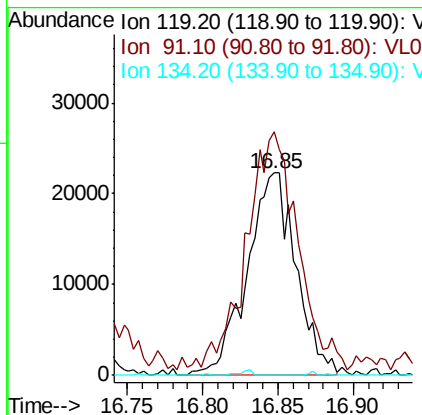
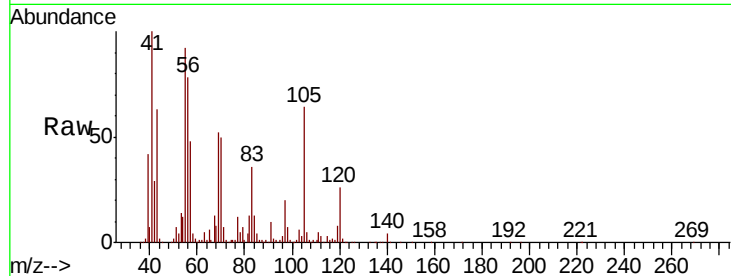
ClientSampled :

SV-2

Tot Ion	Ratio	Lower	Upper
119	100		
91	0.0	74.9	112.3#
134	0.7	15.8	23.6#

Manual Integrations
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#68

1-Bromo-4-Fluorobenzene

Concen: 10.203 ppbv

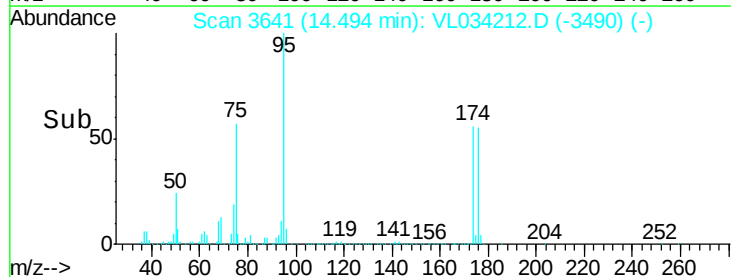
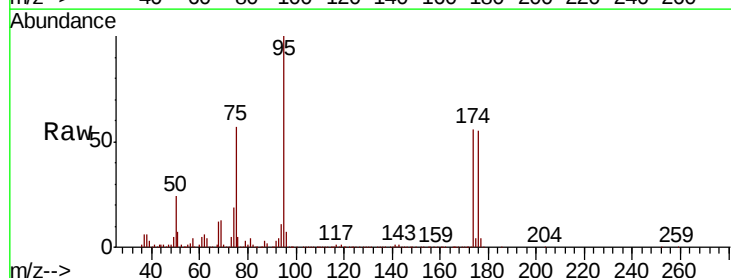
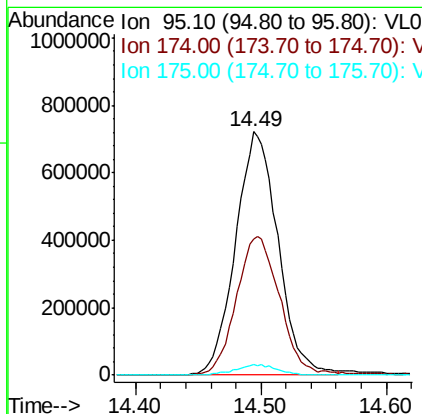
RT: 14.49 min Scan# 3641

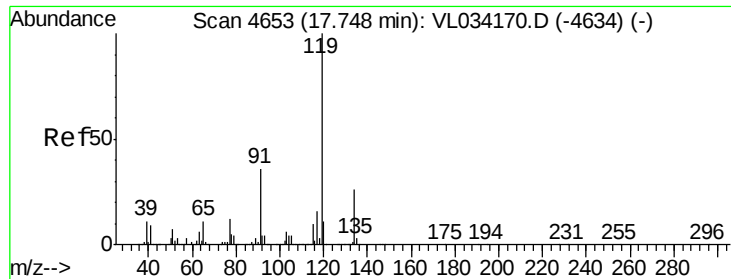
Delta R.T. -0.02 min

Lab File: VL034212.D

Acq: 2 Oct 2019 15:54

Tgt Ion	Ratio	Lower	Upper
95	100		
174	59.5	45.1	67.7
175	4.3	3.3	4.9





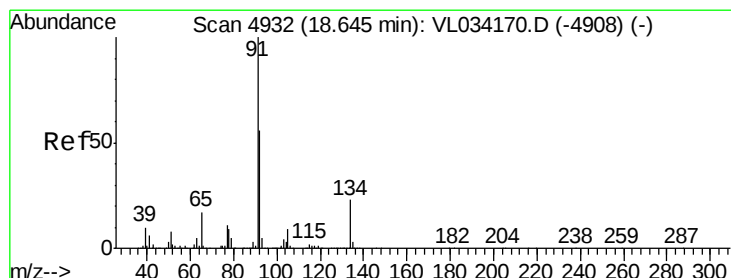
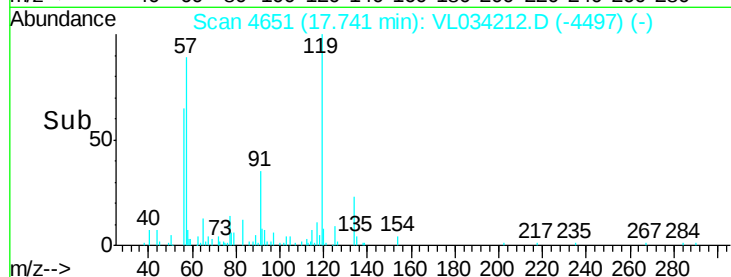
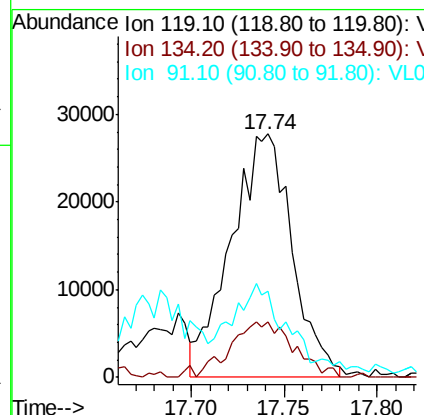
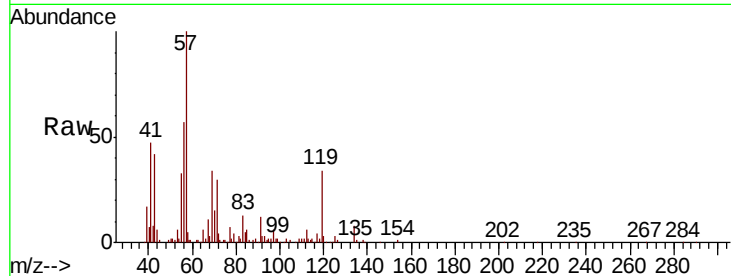
#69
 p-Isopropyltoluene
 Concen: 0.191 ppbv m
 RT: 17.74 min Scan# 4651
 Delta R.T. -0.01 min
 Lab File: VL034212.D
 Acq: 2 Oct 2019 15:54

Instrument :
 MSVOA_L
 ClientSampled :
 SV-2

Tot Ion	Ratio	Lower	Upper
119	100		
134	0.0	20.6	30.8#
91	0.0	27.6	41.4#

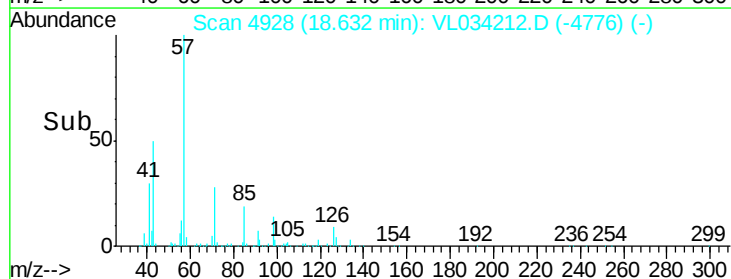
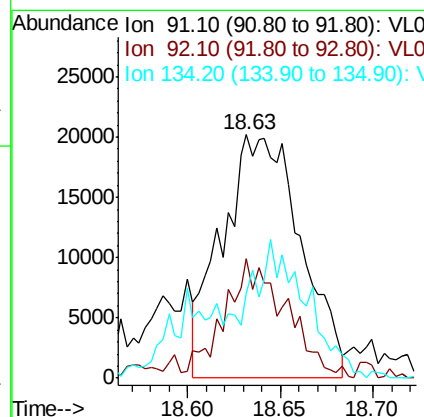
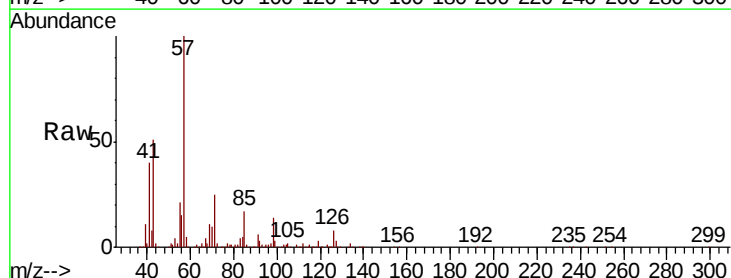
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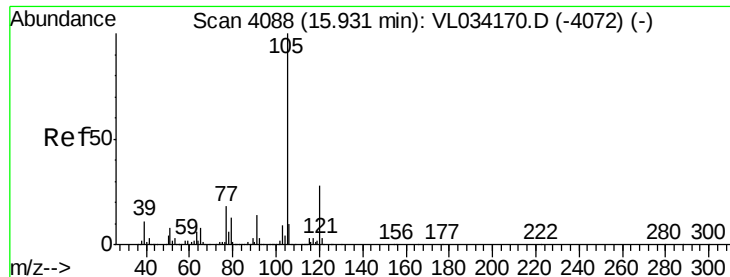
MMDadoda
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#70
 n-Butylbenzene
 Concen: 0.154 ppbv m
 RT: 18.63 min Scan# 4928
 Delta R.T. -0.01 min
 Lab File: VL034212.D
 Acq: 2 Oct 2019 15:54

Tgt Ion	Ratio	Lower	Upper
91	100		
92	41.7	44.8	67.2#
134	0.0	17.3	25.9#





#72

4-Ethyltoluene

Concen: 0.564 ppbv m

RT: 15.92 min Scan# 4085

Delta R.T. -0.01 min

Lab File: VL034212.D

Acq: 2 Oct 2019 15:54

Instrument :

MSVOA_L

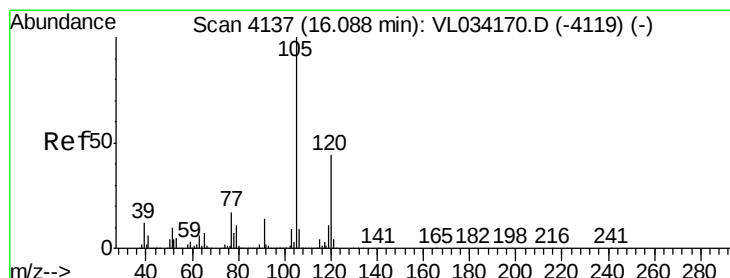
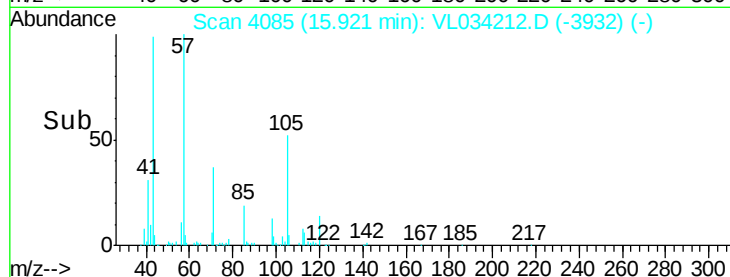
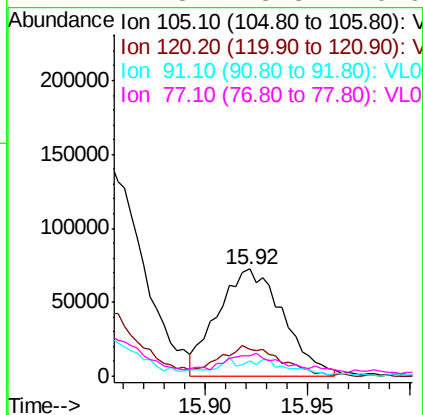
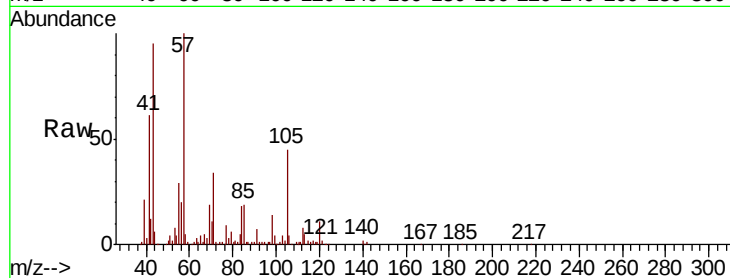
ClientSampled :

SV-2

Tot Ion	Ratio	Lower	Upper
105	100		
120	0.0	23.3	34.9#
91	0.0	11.4	17.2#
77	21.3	13.3	19.9#

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#73

1,3,5-Trimethylbenzene

Concen: 0.522 ppbv m

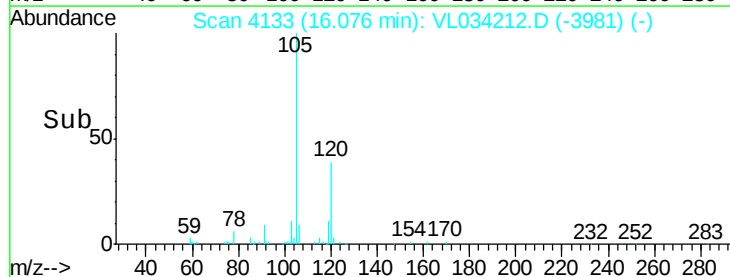
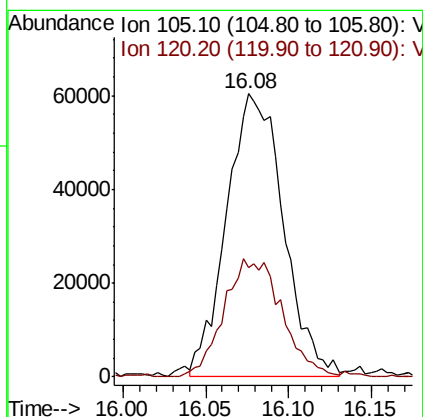
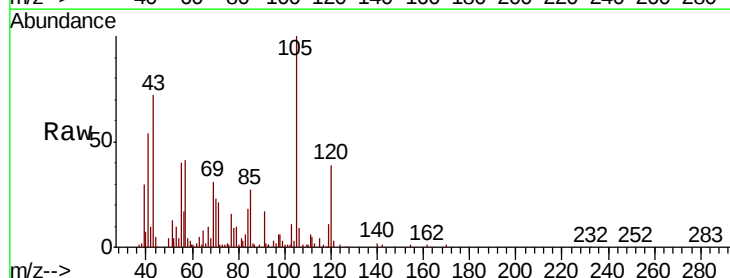
RT: 16.08 min Scan# 4133

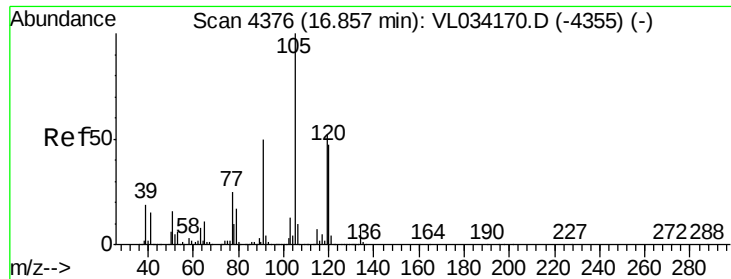
Delta R.T. -0.01 min

Lab File: VL034212.D

Acq: 2 Oct 2019 15:54

Tgt Ion	Ratio	Lower	Upper
105	100		
120	38.6	35.6	53.4





#74

1,2,4-Trimethylbenzene

Concen: 1.569 ppbv m

RT: 16.84 min Scan# 4372

Delta R.T. -0.01 min

Lab File: VL034212.D

Acq: 2 Oct 2019 15:54

Instrument :

MSVOA_L

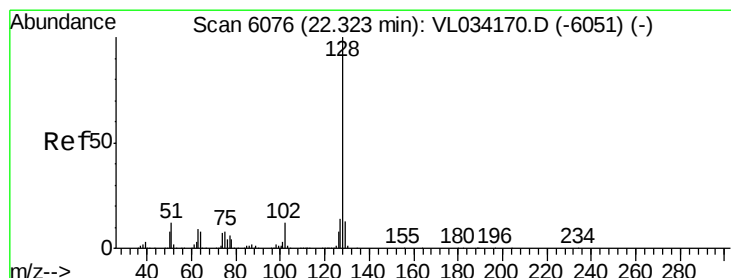
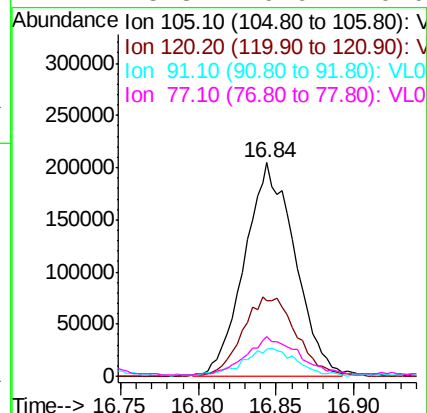
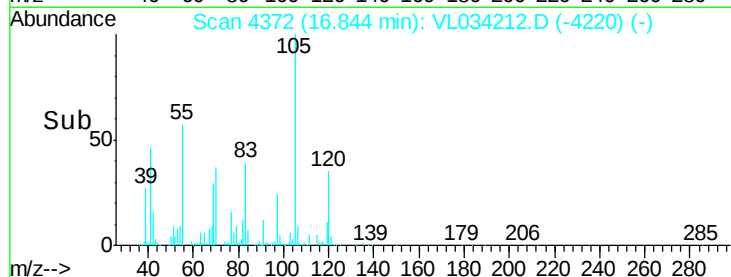
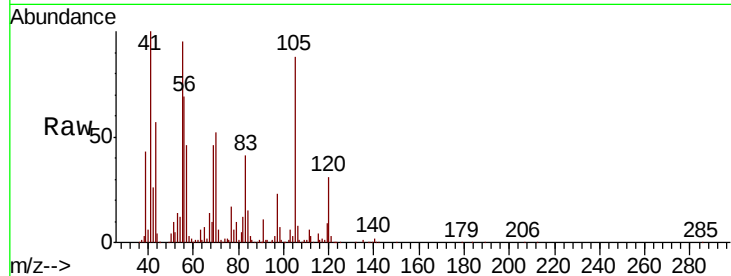
ClientSampleId :

SV-2

Tot Ion	Ratio	Lower	Upper
105	100		
120	35.2	37.5	56.3#
91	12.6	41.1	61.7#
77	18.8	19.9	29.9#

Manual Integrations
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#79

Naphthalene

Concen: 0.338 ppbv

RT: 22.32 min Scan# 6075

Delta R.T. -0.00 min

Lab File: VL034212.D

Acq: 2 Oct 2019 15:54

Tgt Ion	Ratio	Lower	Upper
128	100		
127	11.3	11.1	16.7
129	7.5	10.2	15.4#

