

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL100219\
 Data File : VL034209.D
 Acq On : 2 Oct 2019 13:53
 Operator : SY/AP
 Sample : K5106-05DUP
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-5DUP

Manual Integrations
 APPROVED

MMDadoda
 10/7/2019 12:29:28 PM

Quant Time: Oct 04 01:48:07 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	1010018	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.23	114	1871639	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.17	117	1870954	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.50	95	1646346	10.13	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.30%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	3.03	85	25492	0.171	ppbv	93
3) Chlorodifluoromethane	2.98	51	14662m	0.124	ppbv	
4) Chloromethane	3.12	50	184229	2.647	ppbv	91
5) Vinyl Chloride	3.25	62	13480	0.212	ppbv	99
7) Chloroethane	3.56	64	6805m	0.306	ppbv	
9) Propene	2.99	41	4907647	83.995	ppbv	93
10) Heptane	8.18	43	862063	5.661	ppbv	95
11) Trichlorofluoromethane	3.95	101	44977	0.331	ppbv	97
13) Ethanol	3.60	45	592332	41.866	ppbv	97
15) Acetone	3.85	43	7148512	52.807	ppbv #	70
17) tert-Butyl alcohol	4.30	59	1132871	13.208	ppbv	98
19) Isopropyl Alcohol	3.98	45	311840	3.746	ppbv #	95
20) Methylene Chloride	4.36	84	105474	2.702	ppbv #	92
26) Hexane	5.72	57	684932	6.432	ppbv #	40
27) Carbon Disulfide	4.56	76	1028828	10.476	ppbv	98
29) Chloroform	5.79	83	1905555	12.523	ppbv	98
30) Cyclohexane	7.18	84	133351m	1.735	ppbv	
32) 1,1,1-Trichloroethane	6.56	97	8343m	0.057	ppbv	
34) 2-Butanone	5.27	43	3164562	16.559	ppbv	93
35) Carbon Tetrachloride	7.07	117	5414m	0.035	ppbv	
36) Benzene	6.94	78	2627914	12.713	ppbv	99
38) Trichloroethene	7.89	130	15037m	0.204	ppbv	
41) Tetrahydrofuran	6.08	42	38046m	0.353	ppbv	
43) Methyl Methacrylate	8.07	69	62364	0.730	ppbv #	8
44) 2,2,4-Trimethylpentane	7.92	57	378621	0.951	ppbv #	52
50) 4-Methyl-2-Pentanone	8.80	43	229089	0.824	ppbv	98
51) 2-Hexanone	10.19	43	526115	2.254	ppbv #	99
52) Tetrachloroethene	11.30	164	1508061	22.082	ppbv	95
53) Toluene	9.87	91	2288257	10.129	ppbv	98
58) Ethyl Benzene	12.79	91	489069	1.620	ppbv #	89
59) m/p-Xylene	13.04	91	1087158	4.348	ppbv	98
60) o-Xylene	13.77	91	446603	1.786	ppbv	99
61) Styrene	13.60	104	42441m	0.237	ppbv	
62) Isopropylbenzene	14.74	105	48510m	0.150	ppbv	
64) n-propylbenzene	15.64	120	36854m	0.450	ppbv	
65) tert-Butylbenzene	16.84	119	58326m	0.206	ppbv	
69) p-Isopropyltoluene	17.74	119	60027m	0.183	ppbv	
70) n-Butylbenzene	18.64	91	78318m	0.205	ppbv	
72) 4-Ethyltoluene	15.93	105	198354m	0.702	ppbv	
73) 1,3,5-Trimethylbenzene	16.08	105	163127m	0.598	ppbv	
74) 1,2,4-Trimethylbenzene	16.84	105	536314	1.851	ppbv #	68

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Manual Integrations
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10/7/2019 12:29:28 PM

Quant Time: Oct 04 01:48:07 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	22.31	128	48670m	0.191	ppbv	

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

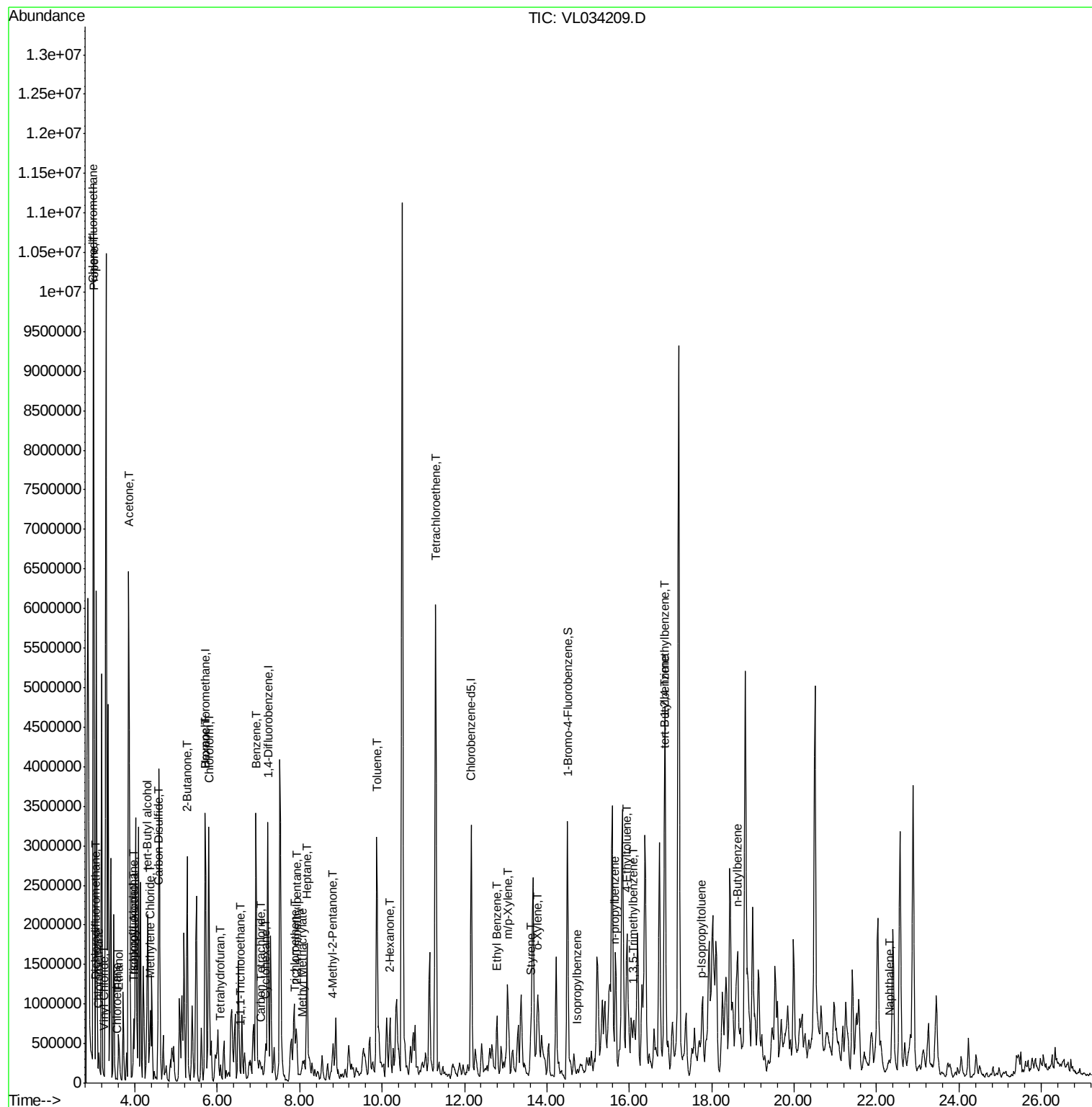
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL100219\
Data File : VL034209.D
Acq On : 2 Oct 2019 13:53
Operator : SY/AP
Sample : K5106-05DUP
Misc : 400ml/MSVOA L
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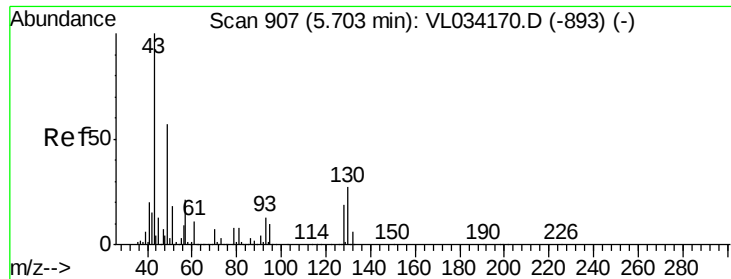
Instrument :
MSVOA_L
ClientSampleId :
SV-5DUP

Manual Integrations
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#1

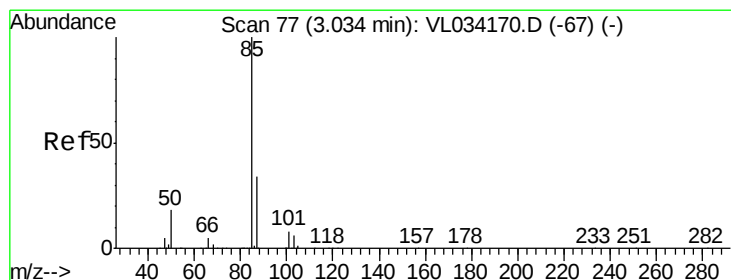
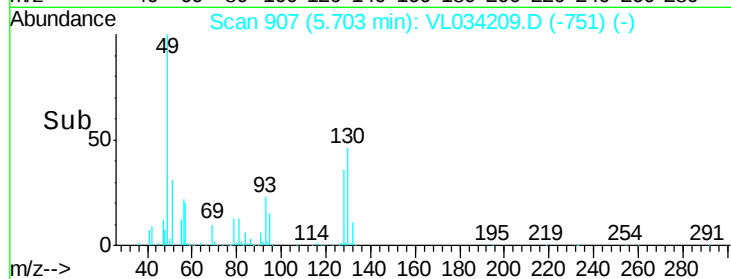
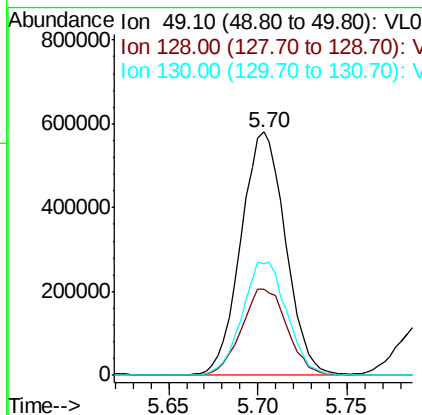
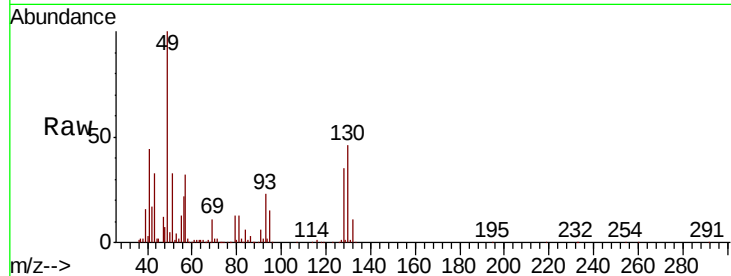
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.70 min Scan# 907
Delta R.T. 0.00 min
Lab File: VL034209.D
Acq: 2 Oct 2019 13:53

Instrument :
MSVOA_L
ClientSampleId :
SV-5DUP

Tot Ion	Ratio	Lower	Upper
49	100		
128	36.9	17.6	52.9
130	47.2	22.3	66.9

Manual Integrations
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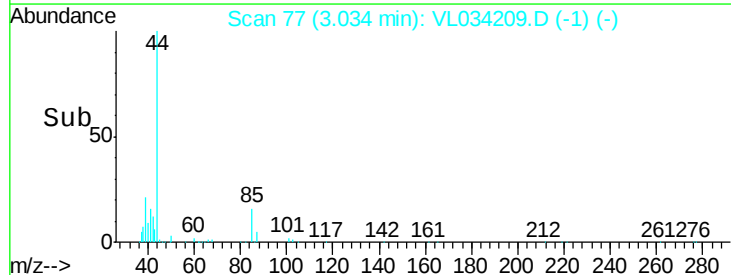
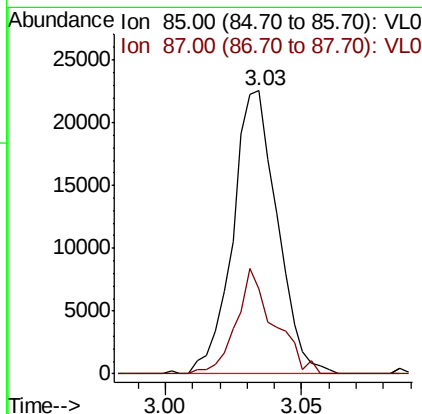
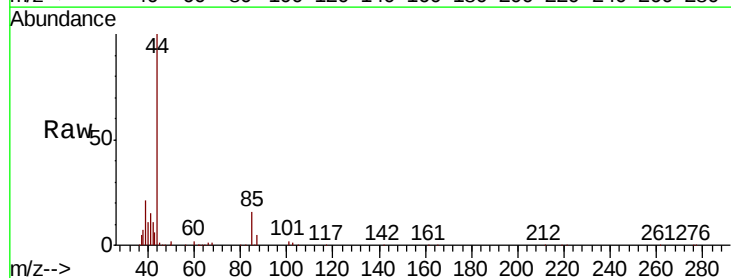
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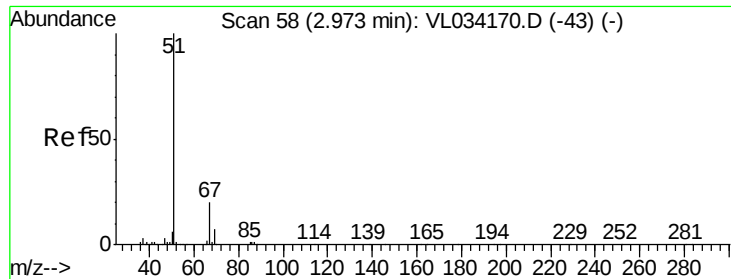


#2

Dichlorodifluoromethane
Concen: 0.171 ppbv
RT: 3.03 min Scan# 77
Delta R.T. 0.00 min
Lab File: VL034209.D
Acq: 2 Oct 2019 13:53

Tgt Ion	Ratio	Lower	Upper
85	100		
87	30.0	27.2	40.8





#3

Chlorodifluoromethane

Concen: 0.124 ppbv

RT: 2.98 min Scan# 59

Delta R.T. 0.00 min

Lab File: VL034209.D

Acq: 2 Oct 2019 13:53

Instrument :

MSVOA_L

ClientSampleId :

SV-5DUP

Tot Ion: 51 Resp: 14662

Ion Ratio Lower Upper

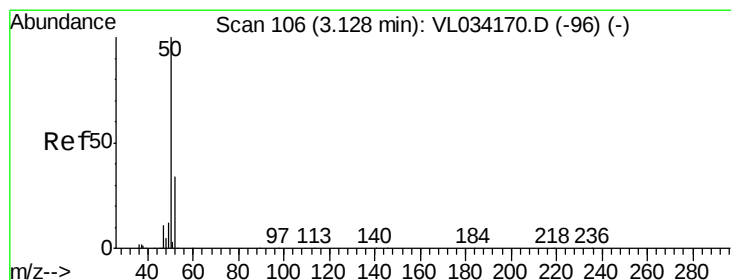
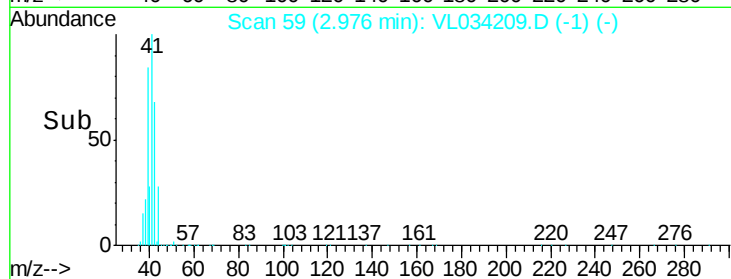
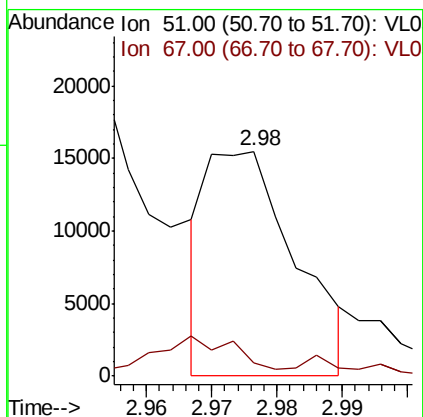
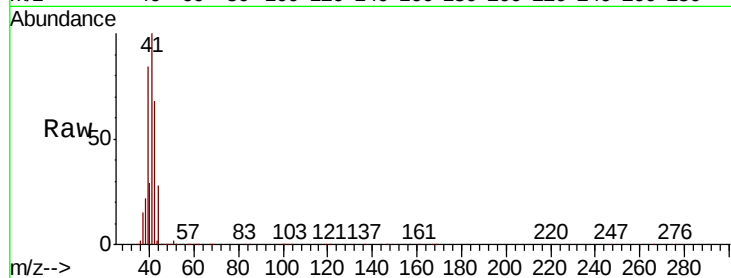
51 100

67 23.5 14.8 22.2#

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#4

Chloromethane

Concen: 2.647 ppbv

RT: 3.12 min Scan# 105

Delta R.T. -0.00 min

Lab File: VL034209.D

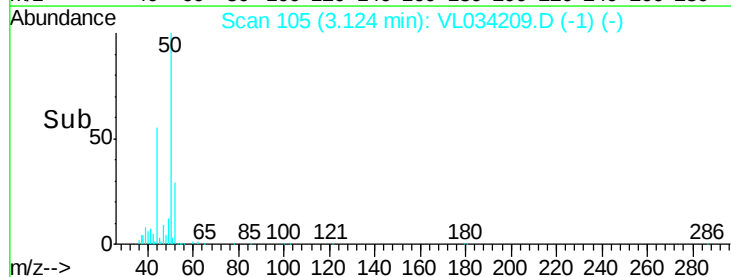
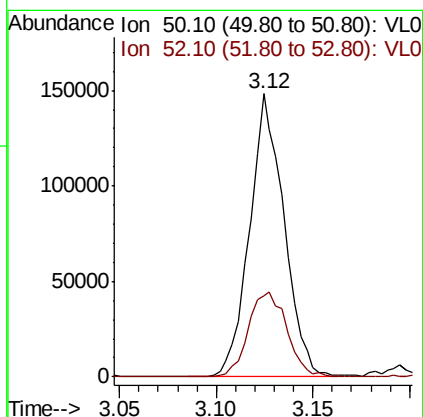
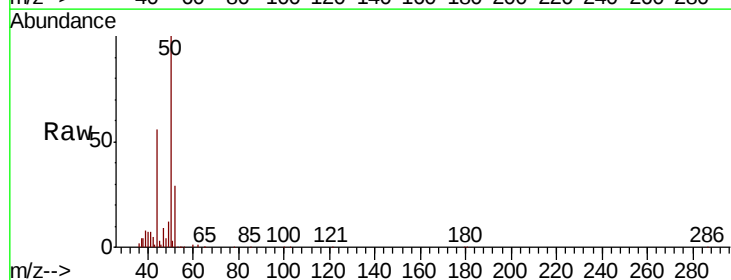
Acq: 2 Oct 2019 13:53

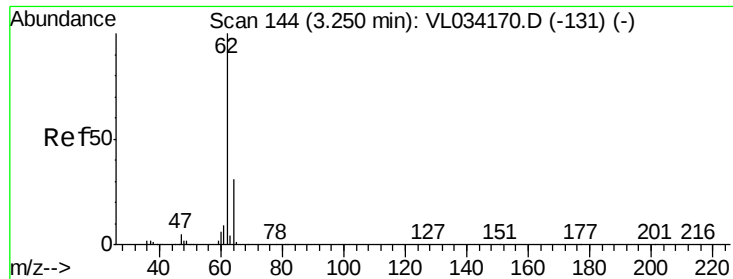
Tgt Ion: 50 Resp: 184229

Ion Ratio Lower Upper

50 100

52 28.8 27.1 40.7





#5

Vinyl Chloride

Concen: 0.212 ppbv

RT: 3.25 min Scan# 144

Delta R.T. 0.00 min

Lab File: VL034209.D

Acq: 2 Oct 2019 13:53

Instrument :

MSVOA_L

ClientSampleId :

SV-5DUP

Tot Ion: 62 Resp: 13480

Ion Ratio Lower Upper

62 100

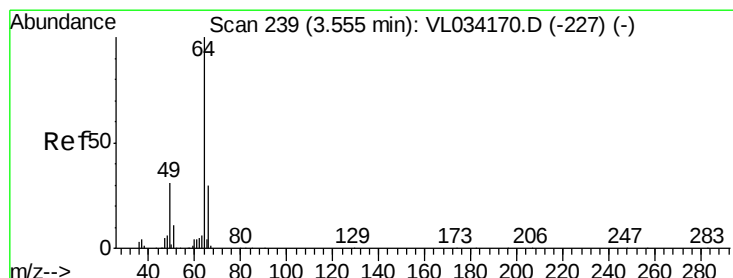
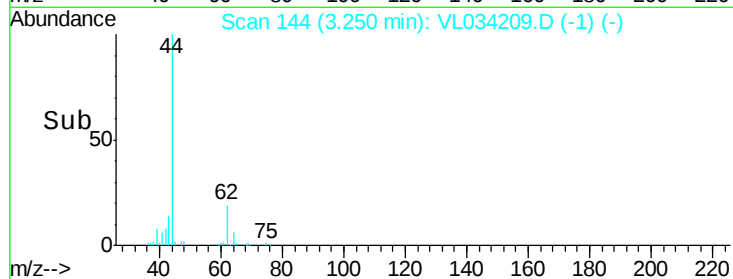
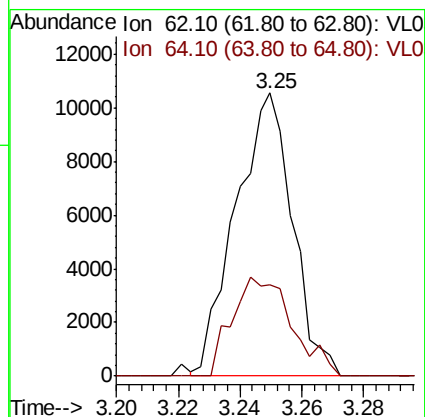
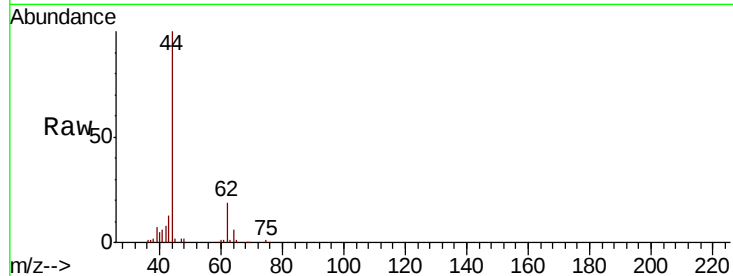
64 32.2 25.2 37.8

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#7

Chloroethane

Concen: 0.306 ppbv m

RT: 3.56 min Scan# 240

Delta R.T. 0.00 min

Lab File: VL034209.D

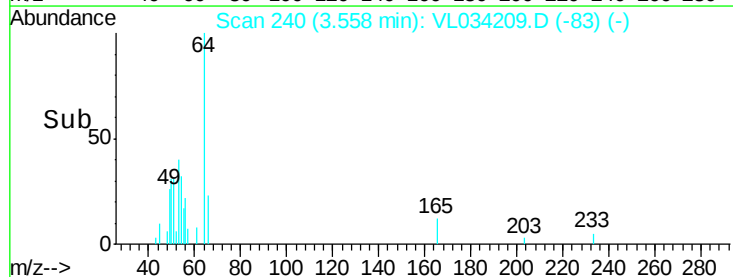
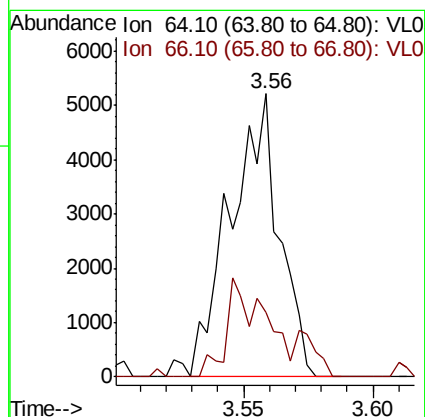
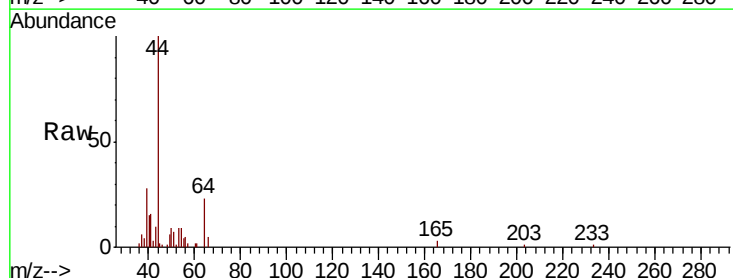
Acq: 2 Oct 2019 13:53

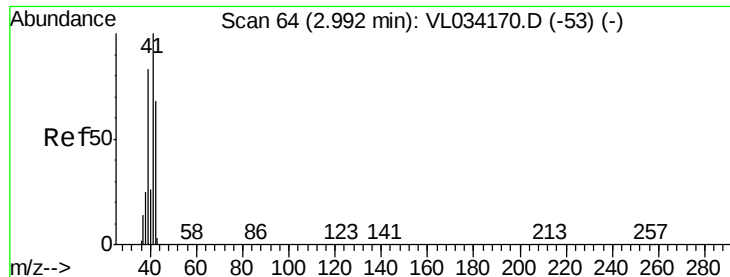
Tgt Ion: 64 Resp: 6805

Ion Ratio Lower Upper

64 100

66 23.0 24.2 36.4#





#9

Propene

Concen: 83.995 ppbv

RT: 2.99 min Scan# 64

Delta R.T. 0.00 min

Lab File: VL034209.D

Acq: 2 Oct 2019 13:53

Instrument :

MSVOA_L

ClientSampleId :

SV-5DUP

Tot Ion: 41 Resp: 4907647

Ion Ratio Lower Upper

41 100

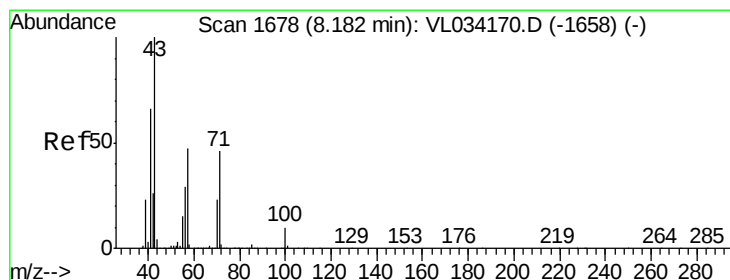
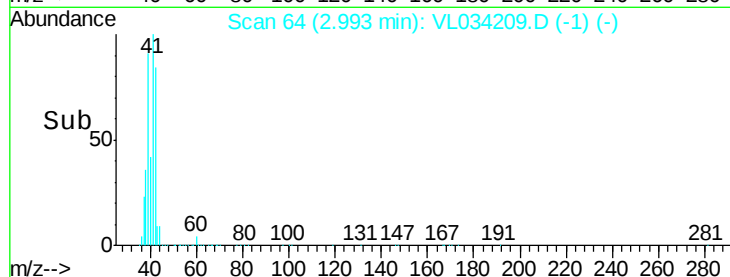
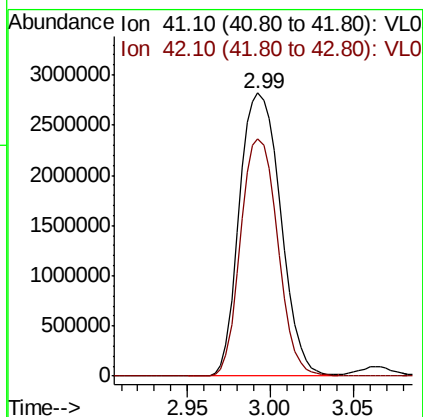
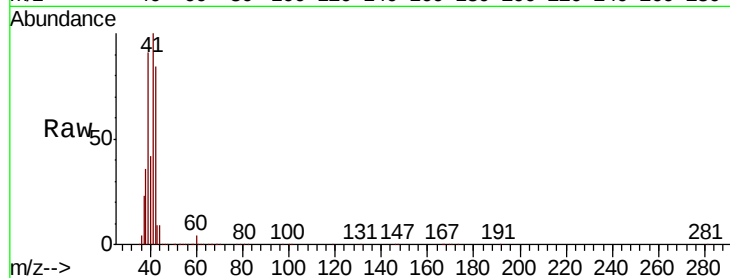
42 75.8 55.8 83.6

Manual Integrations

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#10

Heptane

Concen: 5.661 ppbv

RT: 8.18 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VL034209.D

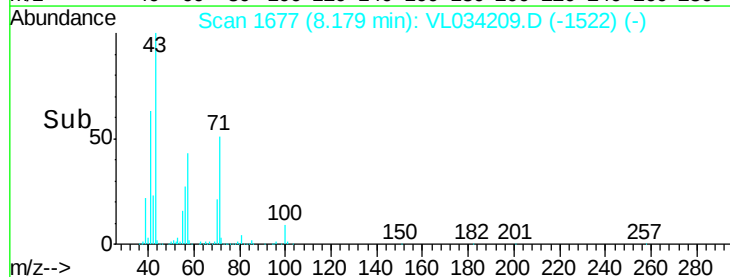
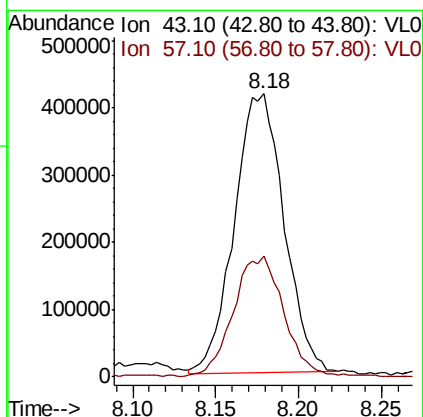
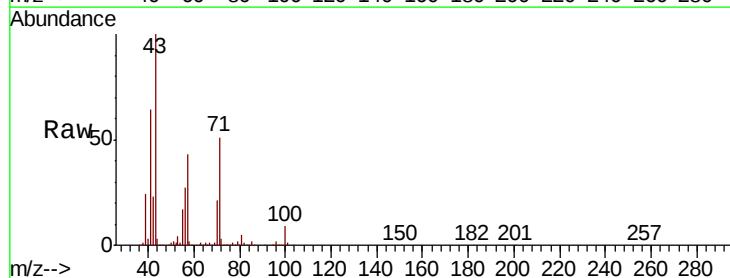
Acq: 2 Oct 2019 13:53

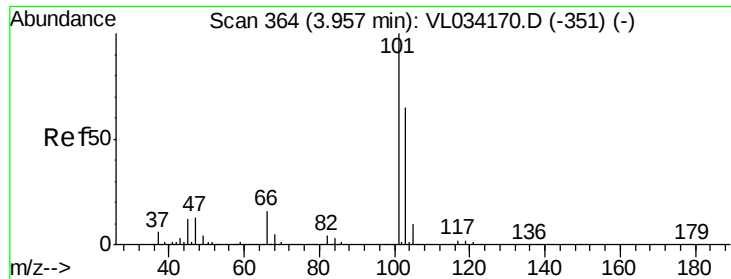
Tgt Ion: 43 Resp: 862063

Ion Ratio Lower Upper

43 100

57 43.8 37.5 56.3





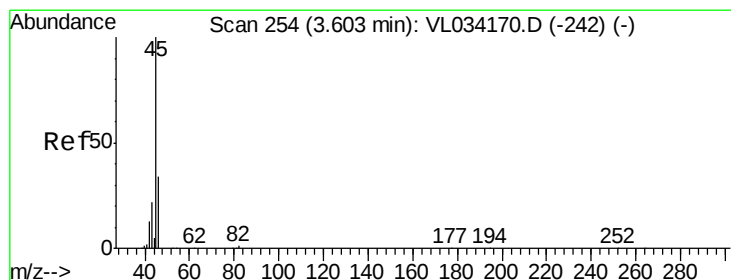
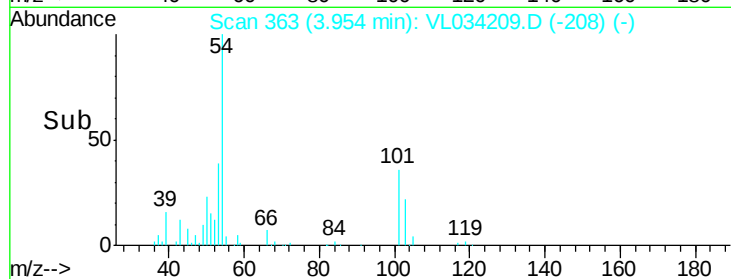
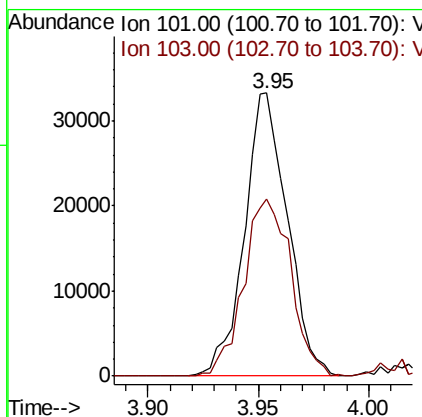
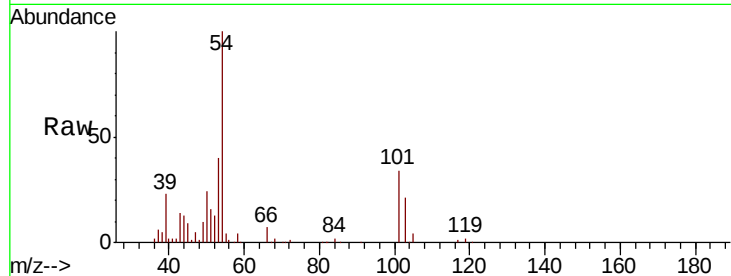
#11
Trichlorofluoromethane
Concen: 0.331 ppbv
RT: 3.95 min Scan# 363
Delta R.T. -0.00 min
Lab File: VL034209.D
Acq: 2 Oct 2019 13:53

Instrument :
MSVOA_L
ClientSampleId :
SV-5DUP

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.5	52.1	78.1

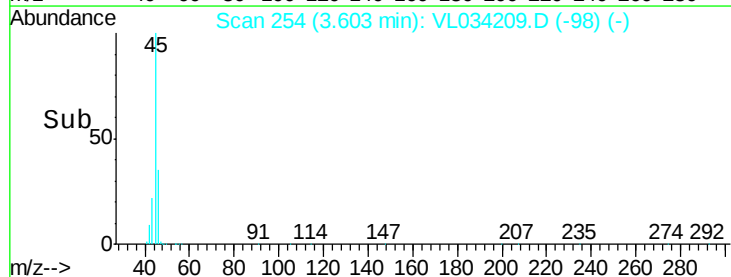
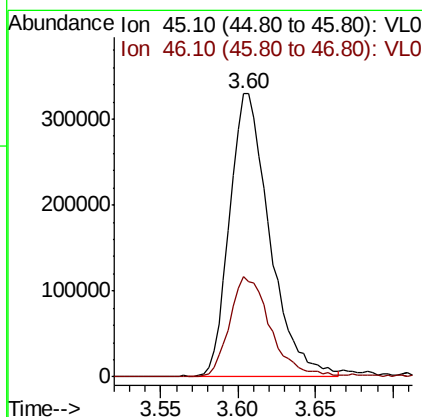
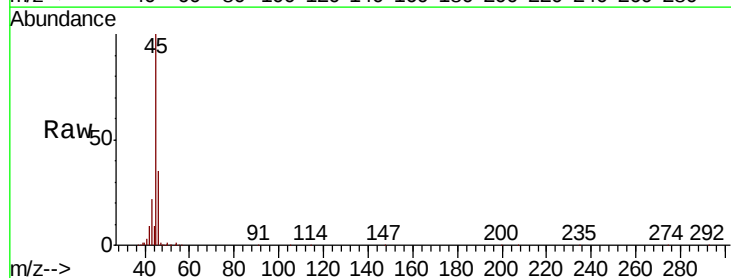
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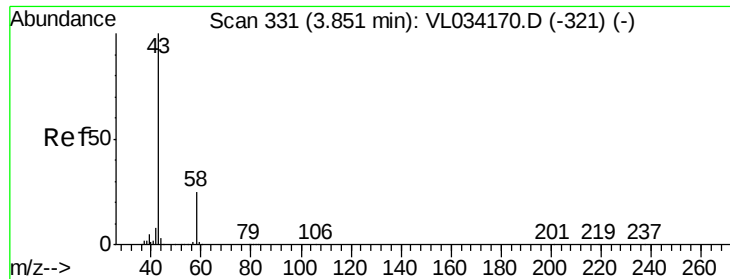
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#13
Ethanol
Concen: 41.866 ppbv
RT: 3.60 min Scan# 254
Delta R.T. 0.00 min
Lab File: VL034209.D
Acq: 2 Oct 2019 13:53

Tgt Ion	Ratio	Lower	Upper
45	100		
46	36.7	15.5	61.9





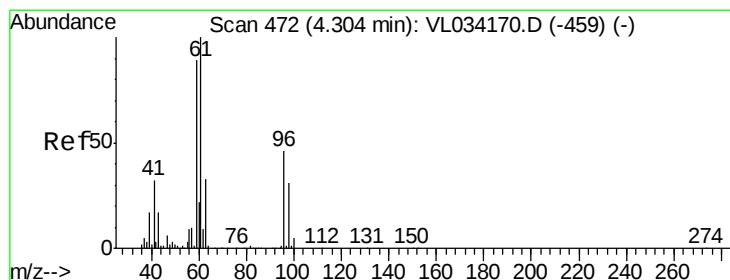
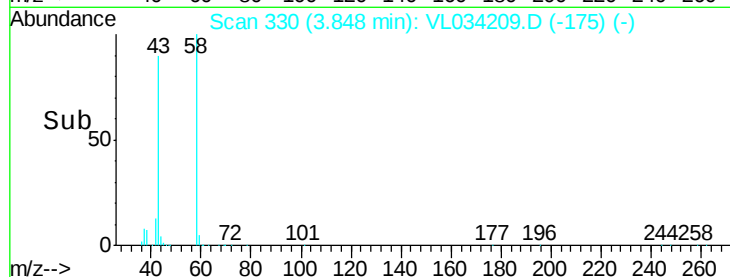
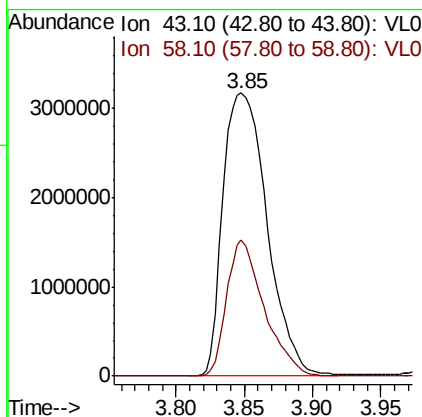
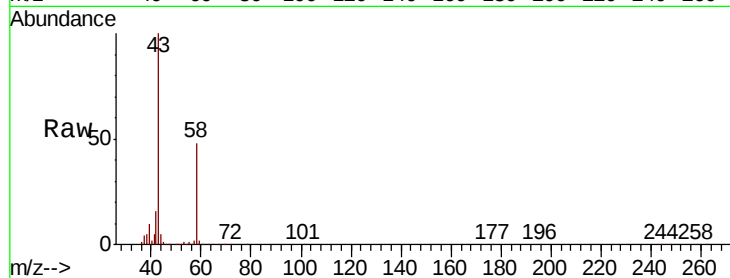
#15
Acetone
Concen: 52.807 ppbv
RT: 3.85 min Scan# 330
Delta R.T. -0.00 min
Lab File: VL034209.D
Acq: 2 Oct 2019 13:53

Instrument :
MSVOA_L
ClientSampleId :
SV-5DUP

Tot Ion: 43 Resp: 7148512
Ion Ratio Lower Upper
43 100
58 40.7 20.5 30.7#

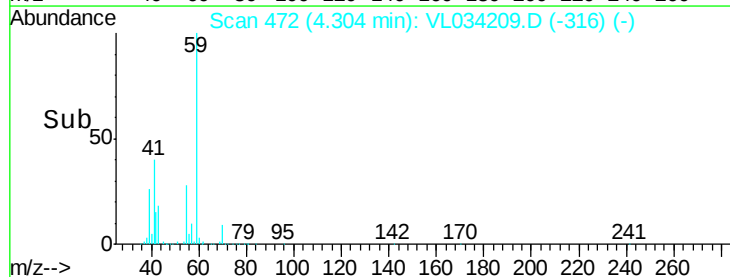
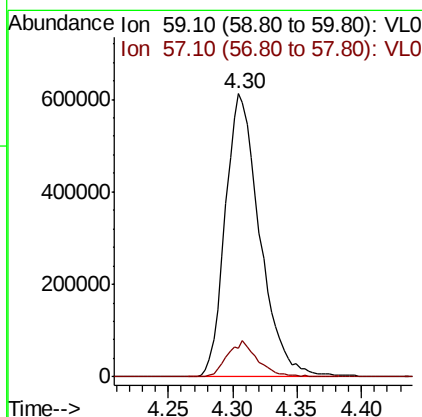
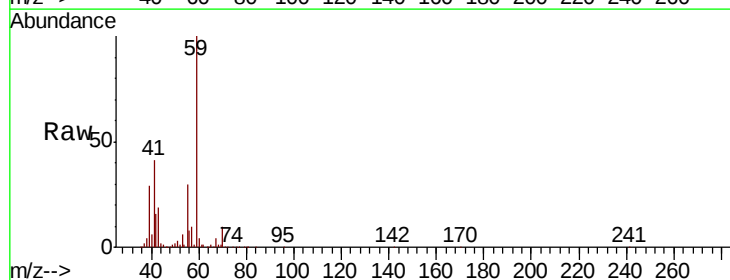
Manual Integrations
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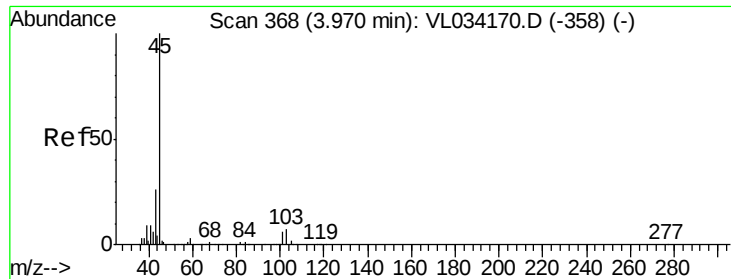
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#17
tert-Butyl alcohol
Concen: 13.208 ppbv
RT: 4.30 min Scan# 472
Delta R.T. 0.00 min
Lab File: VL034209.D
Acq: 2 Oct 2019 13:53

Tgt Ion: 59 Resp: 1132871
Ion Ratio Lower Upper
59 100
57 11.6 8.7 13.1





#19

Isopropyl Alcohol

Concen: 3.746 ppbv

RT: 3.98 min Scan# 371

Delta R.T. 0.01 min

Lab File: VL034209.D

Acq: 2 Oct 2019 13:53

Instrument :

MSVOA_L

ClientSampleId :

SV-5DUP

Tot Ion: 45 Resp: 311840

Ion Ratio Lower Upper

45 100

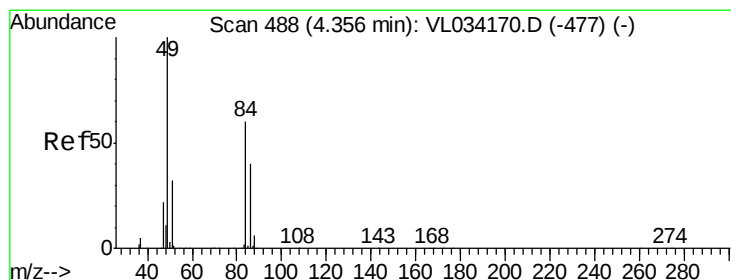
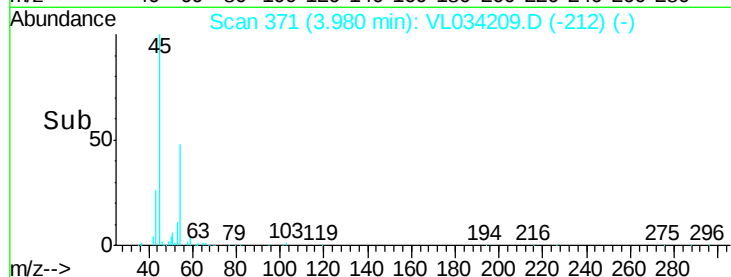
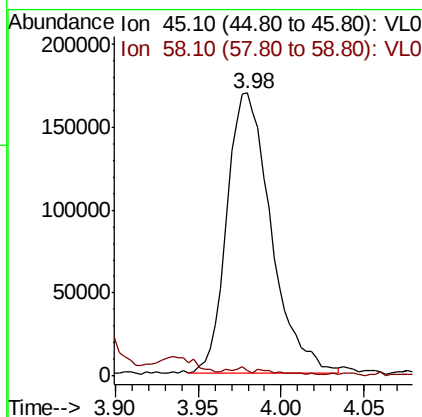
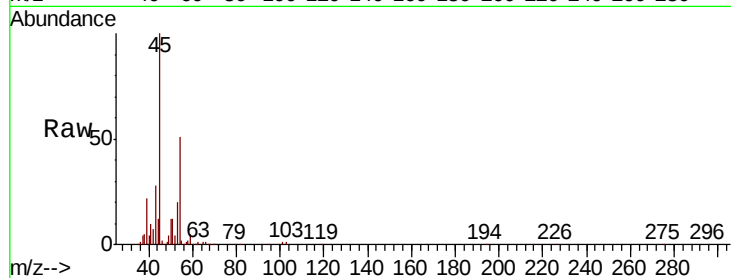
58 0.0 1.4 2.0#

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#20

Methylene Chloride

Concen: 2.702 ppbv

RT: 4.36 min Scan# 489

Delta R.T. 0.00 min

Lab File: VL034209.D

Acq: 2 Oct 2019 13:53

Tgt Ion: 84 Resp: 105474

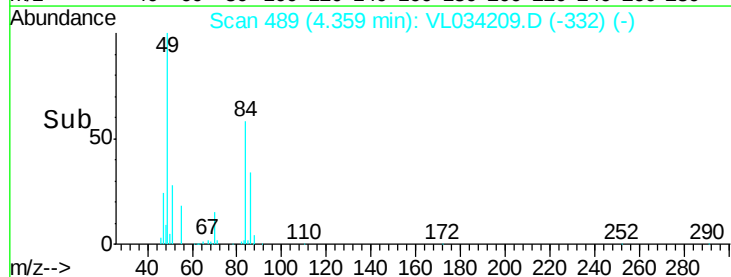
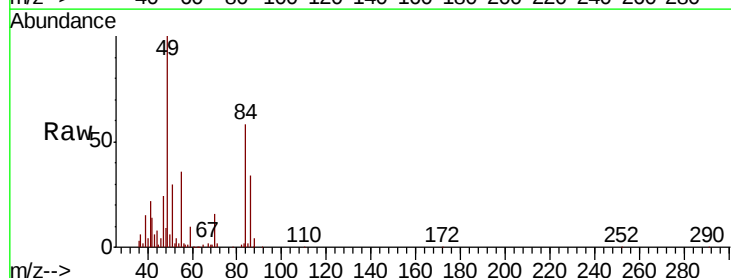
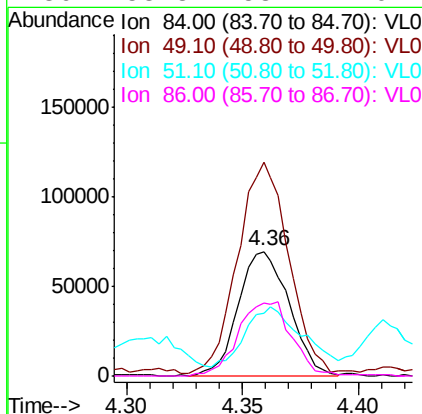
Ion Ratio Lower Upper

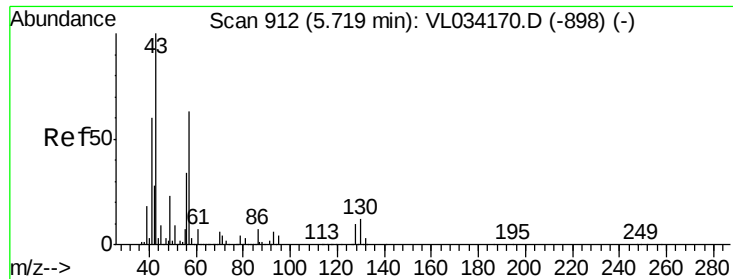
84 100

49 170.6 133.8 200.8

51 38.8 43.6 65.4#

86 58.8 53.1 79.7





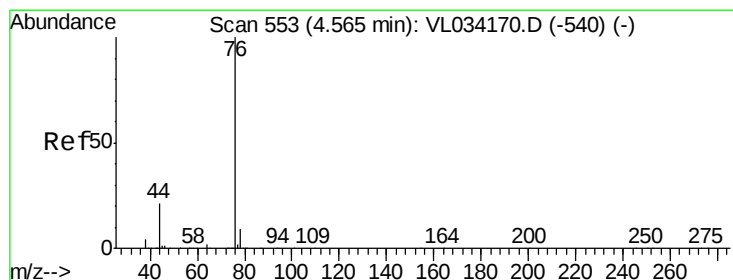
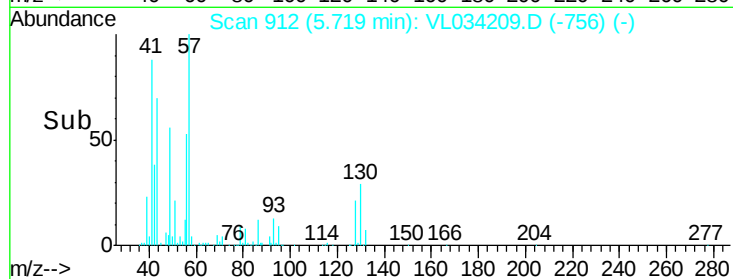
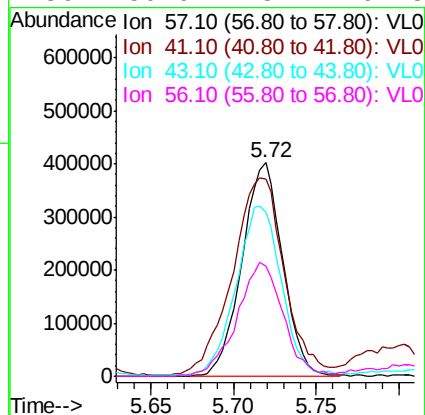
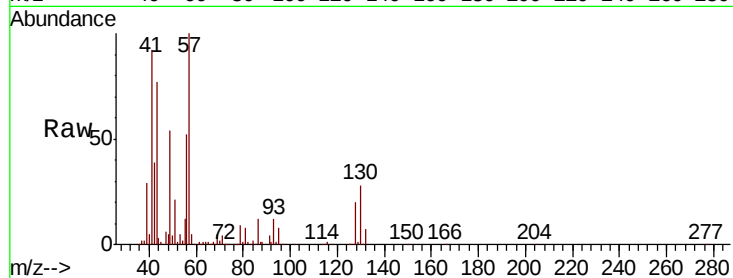
#26
Hexane
Concen: 6.432 ppbv
RT: 5.72 min Scan# 912
Delta R.T. 0.00 min
Lab File: VL034209.D
Acq: 2 Oct 2019 13:53

Instrument :
MSVOA_L
ClientSampleId :
SV-5DUP

Tot Ion	Ratio	Lower	Upper
57	100		
41	118.0	78.5	117.7#
43	87.8	189.5	284.3#
56	59.9	43.2	64.8

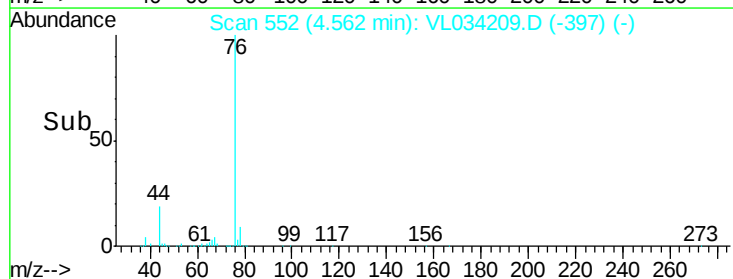
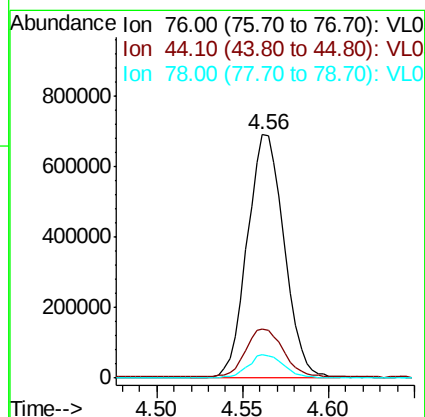
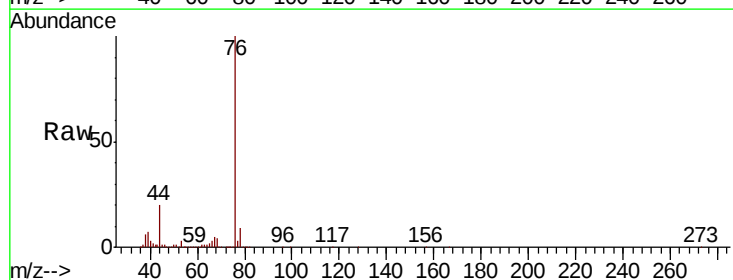
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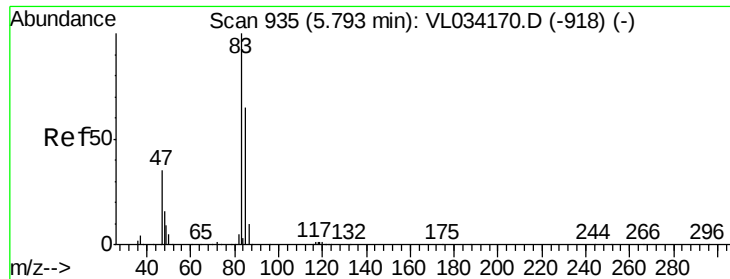
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#27
Carbon Disulfide
Concen: 10.476 ppbv
RT: 4.56 min Scan# 552
Delta R.T. -0.00 min
Lab File: VL034209.D
Acq: 2 Oct 2019 13:53

Tgt Ion	Ratio	Lower	Upper
76	100		
44	20.8	17.6	26.4
78	9.4	7.6	11.4





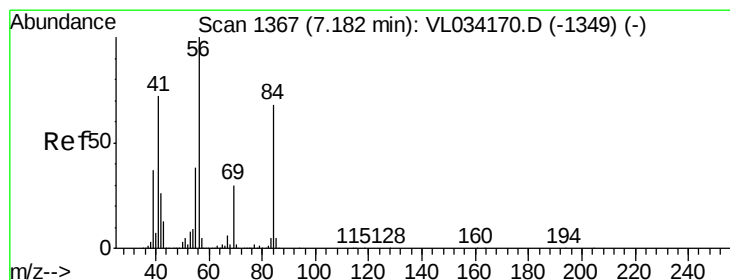
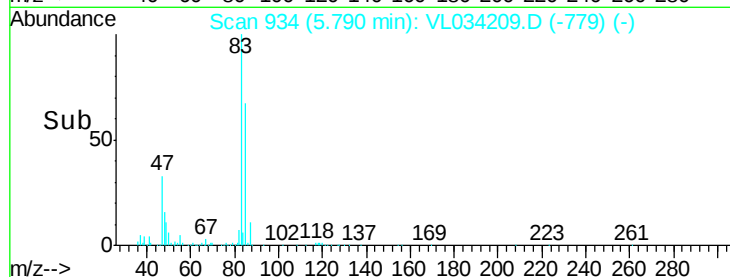
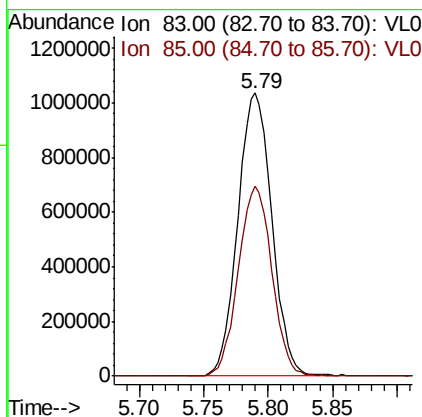
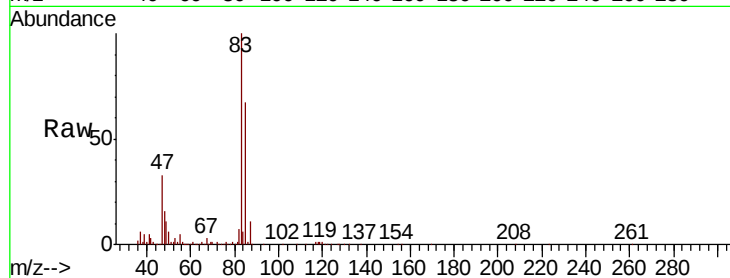
#29
Chloroform
Concen: 12.523 ppbv
RT: 5.79 min Scan# 934
Delta R.T. -0.00 min
Lab File: VL034209.D
Acq: 2 Oct 2019 13:53

Instrument :
MSVOA_L
ClientSampleId :
SV-5DUP

Tot Ion: 83 Resp: 1905555
Ion Ratio Lower Upper
83 100
85 67.1 52.3 78.5

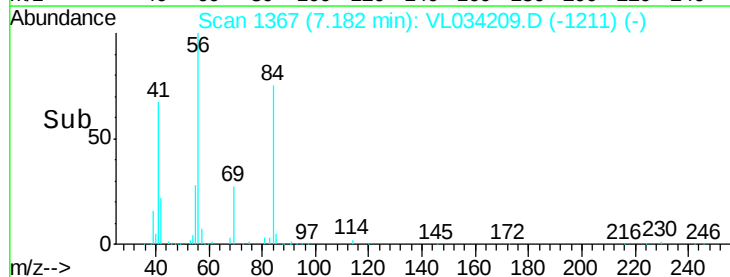
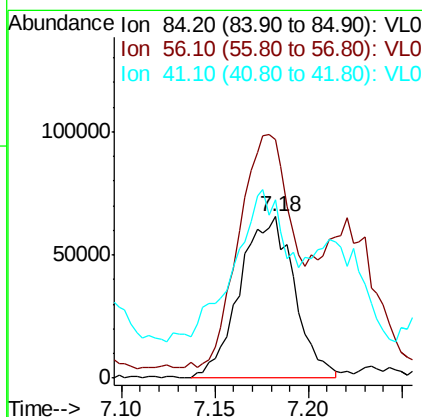
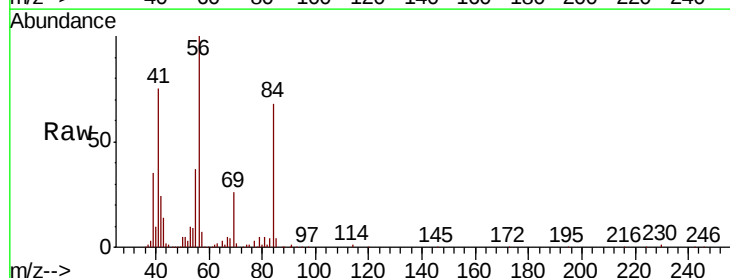
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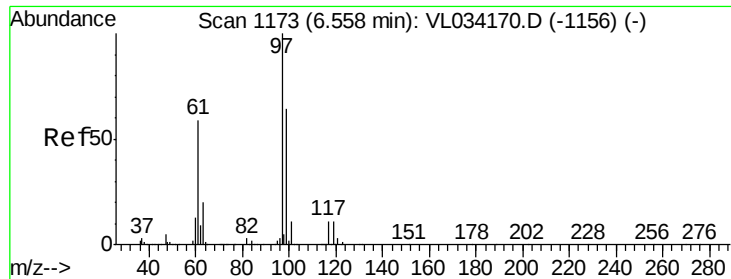
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#30
Cyclohexane
Concen: 1.735 ppbv m
RT: 7.18 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VL034209.D
Acq: 2 Oct 2019 13:53

Tgt Ion: 84 Resp: 133351
Ion Ratio Lower Upper
84 100
56 157.4 126.2 189.2
41 195.5 85.8 128.8#





#32

1,1,1-Trichloroethane

Concen: 0.057 ppbv m

RT: 6.56 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VL034209.D

Acq: 2 Oct 2019 13:53

Instrument :

MSVOA_L

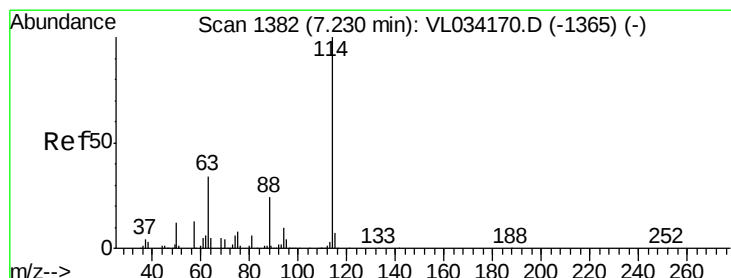
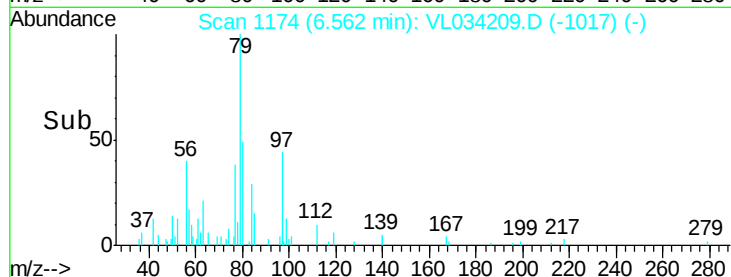
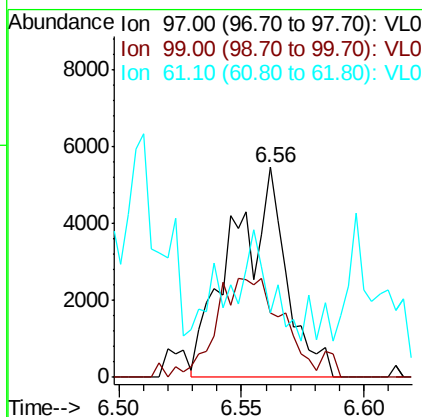
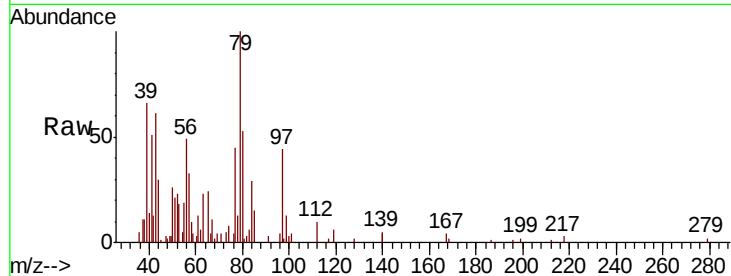
ClientSampled :

SV-5DUP

Tot Ion:	97	Resp:	8343
Ion	Ratio	Lower	Upper
97	100		
99	61.1	51.4	77.2
61	63.4	48.4	72.6

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

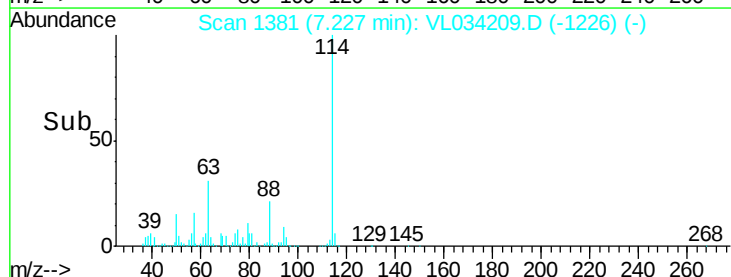
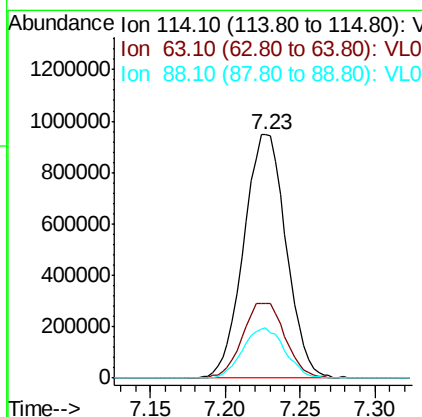
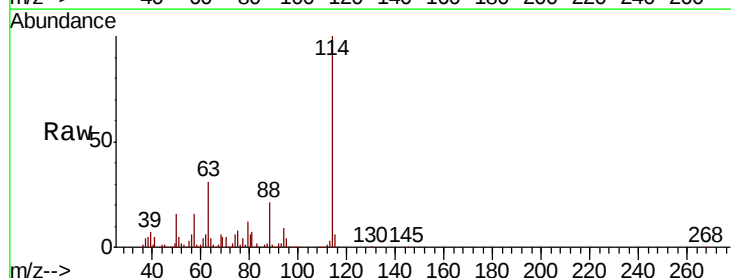
RT: 7.23 min Scan# 1381

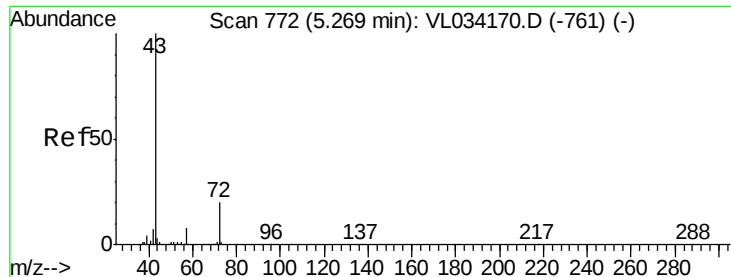
Delta R.T. -0.00 min

Lab File: VL034209.D

Acq: 2 Oct 2019 13:53

Tgt Ion:	114	Resp:	1871639
Ion	Ratio	Lower	Upper
114	100		
63	30.8	27.8	41.6
88	20.6	17.1	25.7





#34

2-Butanone

Concen: 16.559 ppbv

RT: 5.27 min Scan# 771

Delta R.T. -0.00 min

Lab File: VL034209.D

Acq: 2 Oct 2019 13:53

Instrument :

MSVOA_L

ClientSampleId :

SV-5DUP

Tot Ion: 43 Resp: 3164562

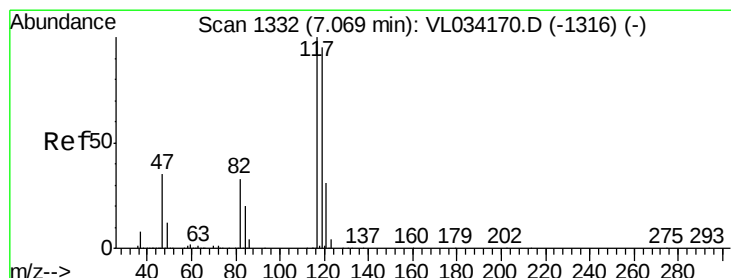
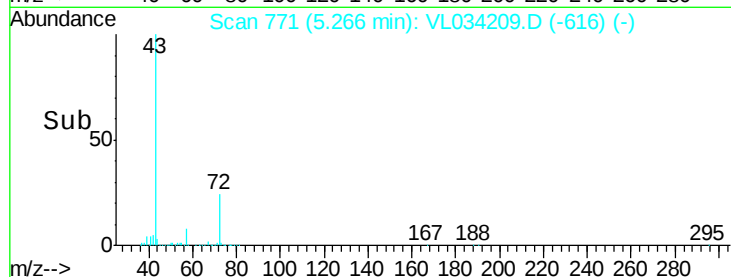
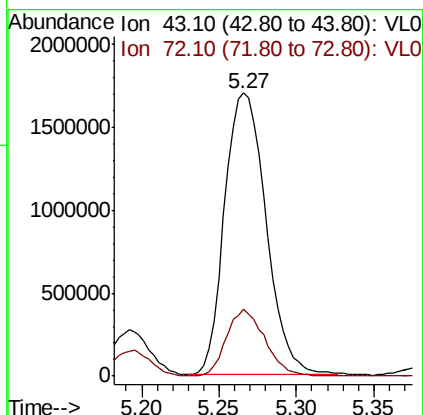
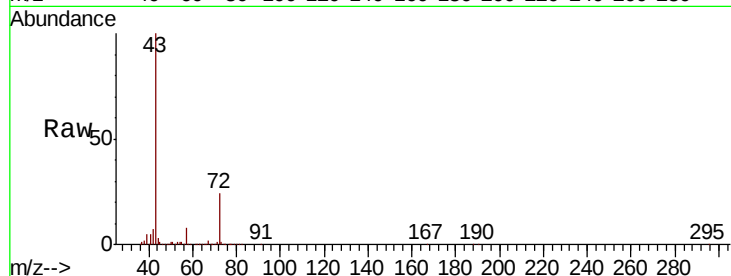
Ion Ratio Lower Upper

43 100

72 21.9 15.0 22.6

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#35

Carbon Tetrachloride

Concen: 0.035 ppbv m

RT: 7.07 min Scan# 1332

Delta R.T. 0.00 min

Lab File: VL034209.D

Acq: 2 Oct 2019 13:53

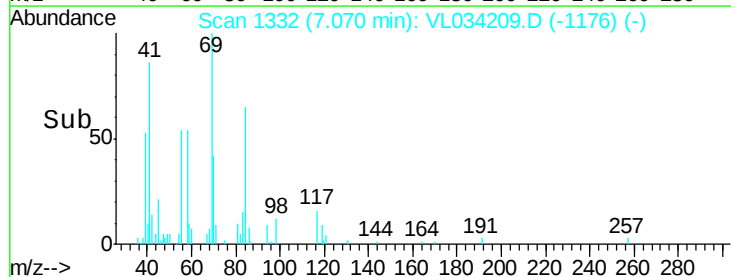
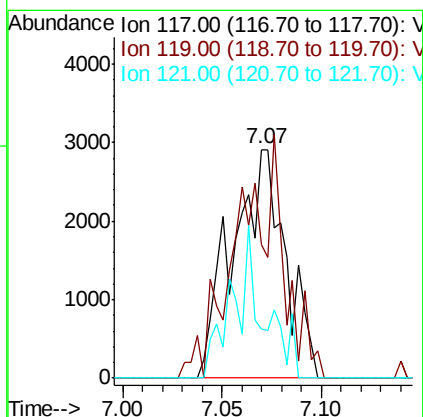
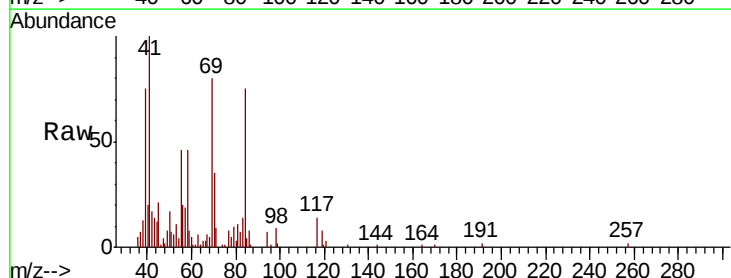
Tgt Ion: 117 Resp: 5414

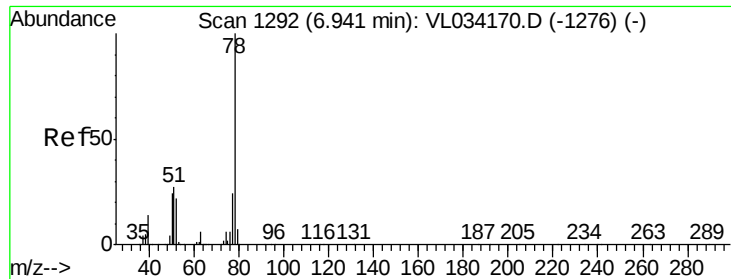
Ion Ratio Lower Upper

117 100

119 58.7 75.8 113.6#

121 21.7 25.0 37.6#





#36

Benzene

Concen: 12.713 ppbv

RT: 6.94 min Scan# 1291

Delta R.T. -0.00 min

Lab File: VL034209.D

Acq: 2 Oct 2019 13:53

Instrument :

MSVOA_L

ClientSampleId :

SV-5DUP

Tot Ion: 78 Resp: 2627914

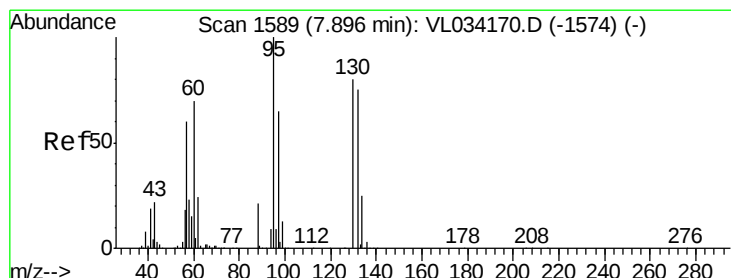
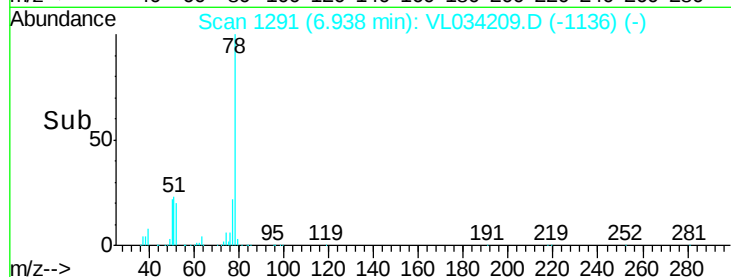
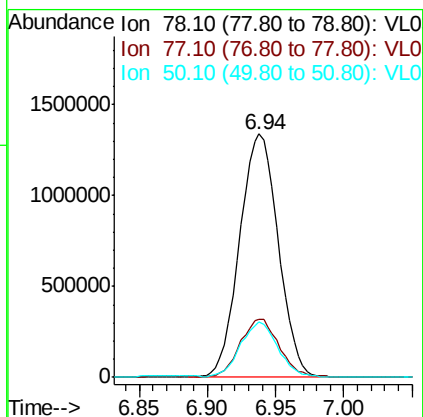
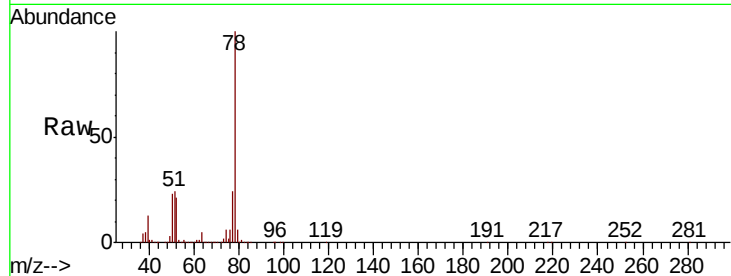
Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.0	28.4
50	22.9	18.9	28.3

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#38

Trichloroethene

Concen: 0.204 ppbv m

RT: 7.89 min Scan# 1588

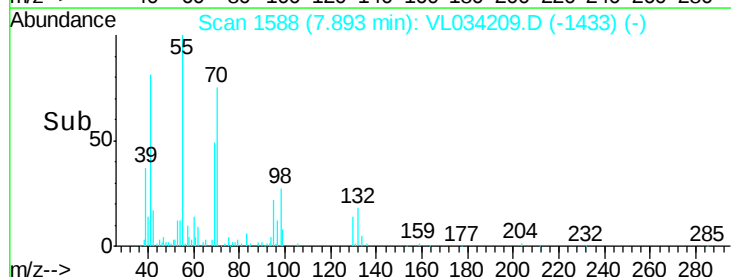
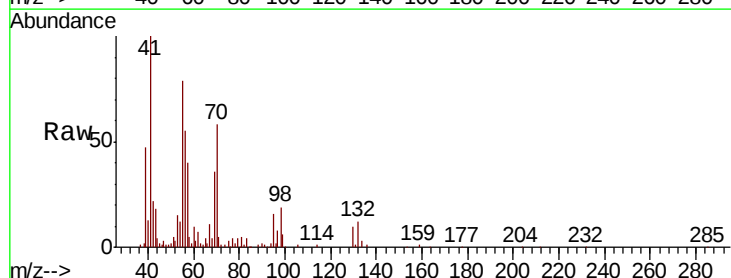
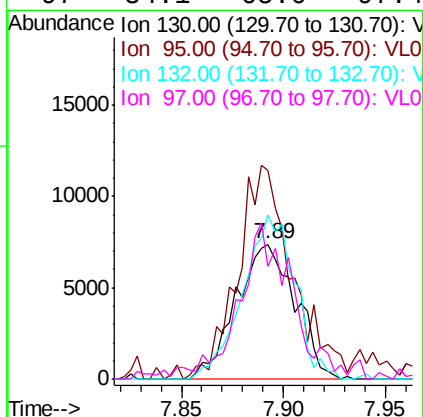
Delta R.T. -0.00 min

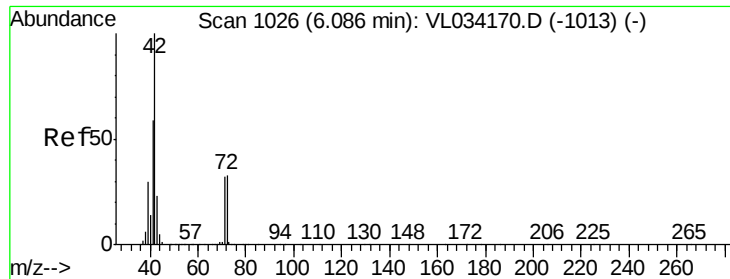
Lab File: VL034209.D

Acq: 2 Oct 2019 13:53

Tgt Ion: 130 Resp: 15037

Ion	Ratio	Lower	Upper
130	100		
95	155.3	99.8	149.6#
132	122.0	75.2	112.8#
97	84.1	65.0	97.4





#41

Tetrahydrofuran

Concen: 0.353 ppbv m

RT: 6.08 min Scan# 1025

Delta R.T. -0.00 min

Lab File: VL034209.D

Acq: 2 Oct 2019 13:53

Instrument :

MSVOA_L

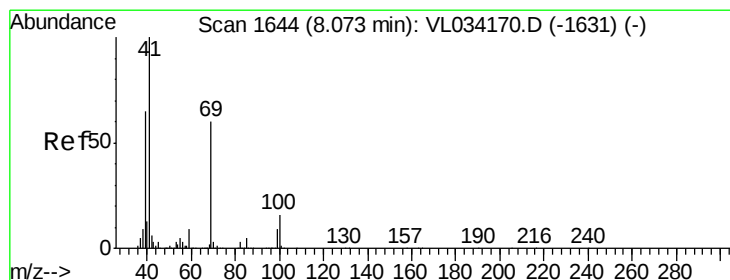
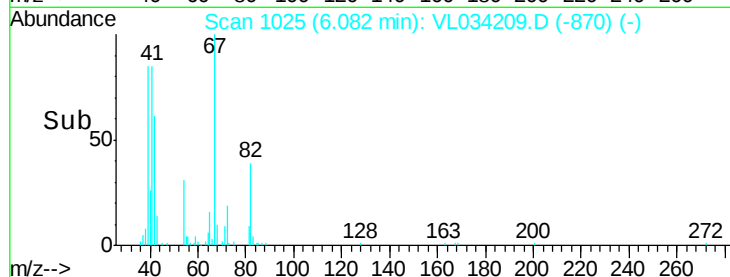
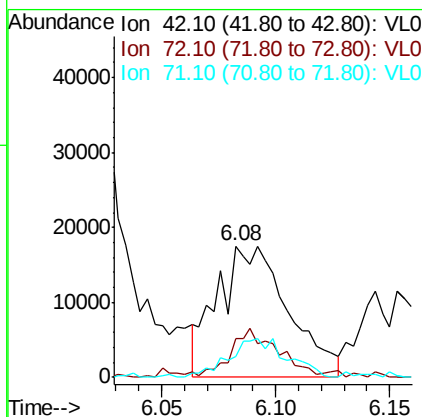
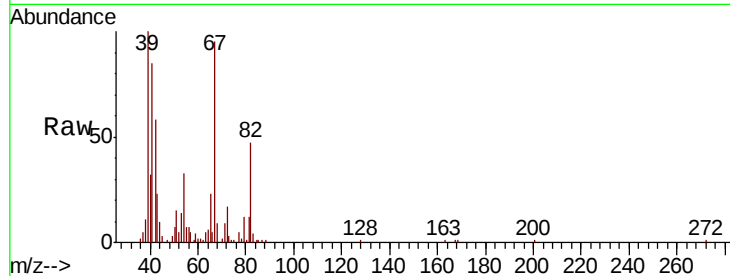
ClientSampleId :

SV-5DUP

Tot Ion:	42	Resp:	38046
Ion Ratio	Lower	Upper	
42	100		
72	0.0	26.6	40.0#
71	0.0	25.1	37.7#

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#43

Methyl Methacrylate

Concen: 0.730 ppbv

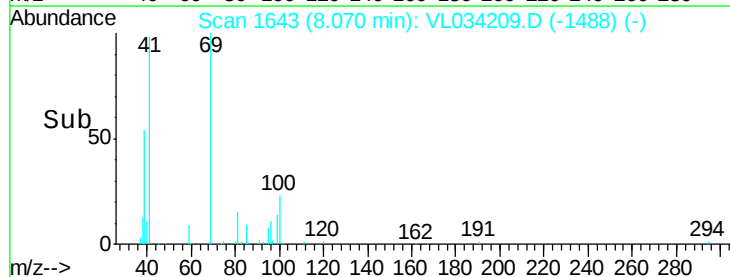
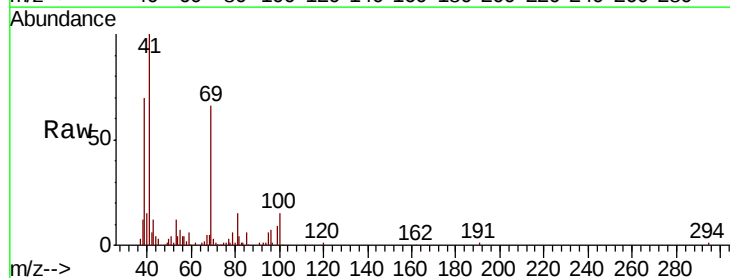
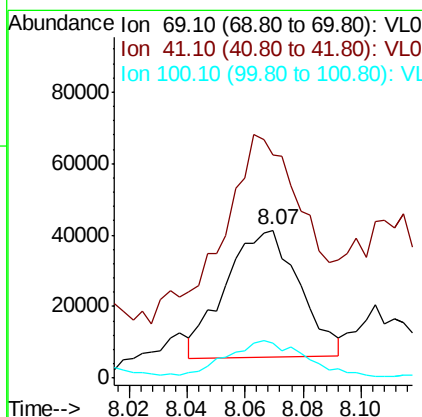
RT: 8.07 min Scan# 1643

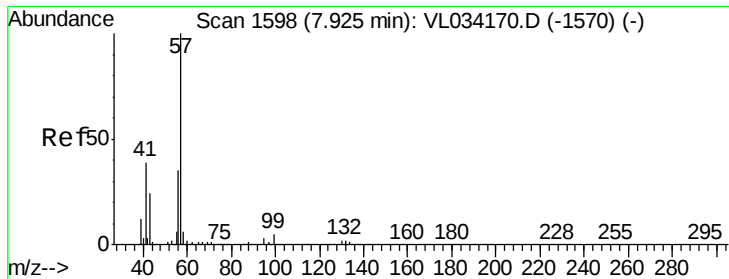
Delta R.T. -0.00 min

Lab File: VL034209.D

Acq: 2 Oct 2019 13:53

Tgt Ion:	69	Resp:	62364
Ion Ratio	Lower	Upper	
69	100		
41	320.9	140.4	210.6#
100	33.7	21.9	32.9#





#44

2,2,4-Trimethylpentane

Concen: 0.951 ppbv

RT: 7.92 min Scan# 1596

Delta R.T. -0.01 min

Lab File: VL034209.D

Acq: 2 Oct 2019 13:53

Instrument :

MSVOA_L

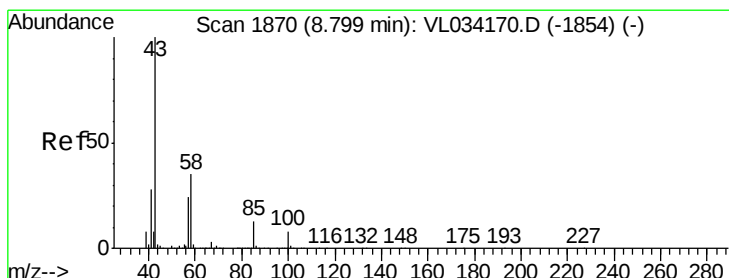
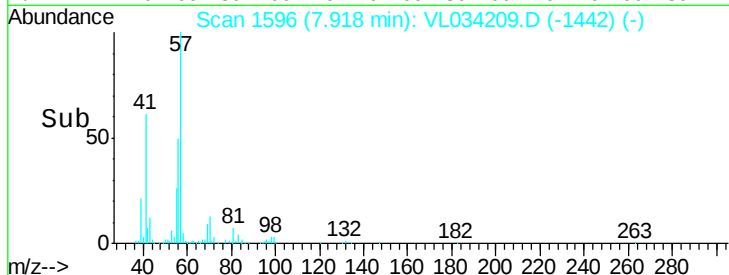
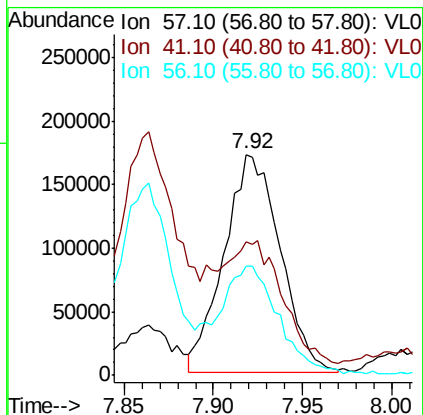
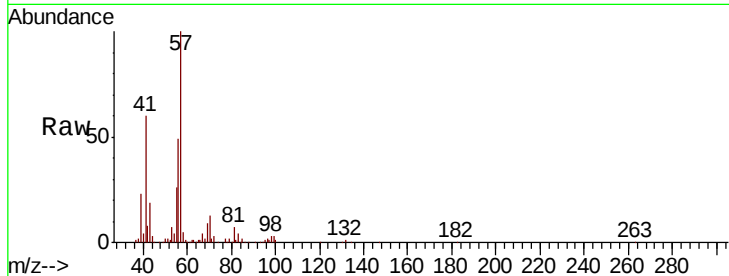
ClientSampleId :

SV-5DUP

Tot Ion:	57	Resp:	378621
Ion	Ratio	Lower	Upper
57	100		
41	73.5	29.8	44.6#
56	50.7	25.9	38.9#

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#50

4-Methyl-2-Pentanone

Concen: 0.824 ppbv

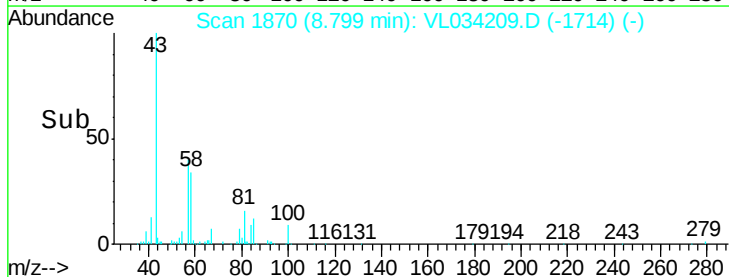
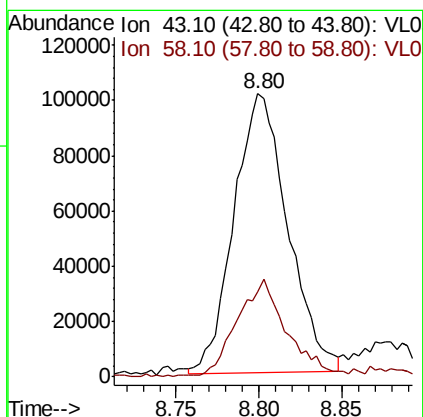
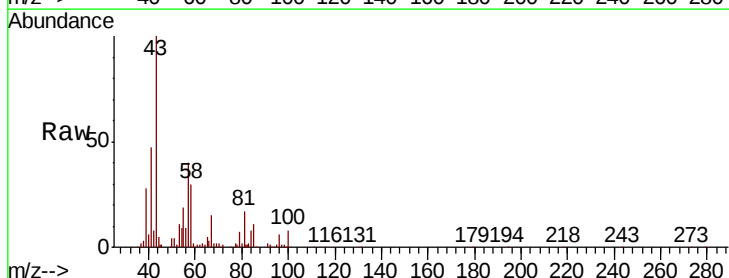
RT: 8.80 min Scan# 1870

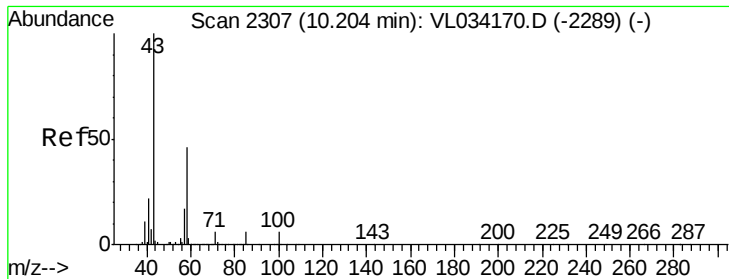
Delta R.T. 0.00 min

Lab File: VL034209.D

Acq: 2 Oct 2019 13:53

Tgt Ion:	43	Resp:	229089
Ion	Ratio	Lower	Upper
43	100		
58	33.1	27.6	41.4





#51

2-Hexanone

Concen: 2.254 ppbv

RT: 10.19 min Scan# 2303

Delta R.T. -0.01 min

Lab File: VL034209.D

Acq: 2 Oct 2019 13:53

Instrument :

MSVOA_L

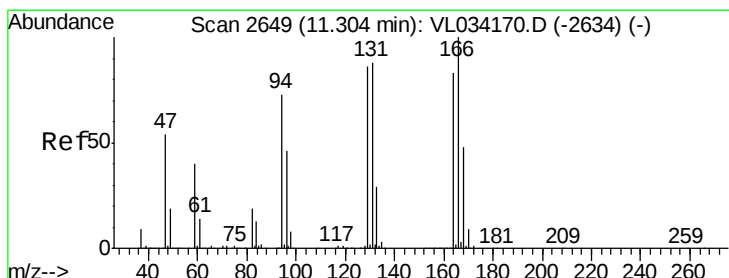
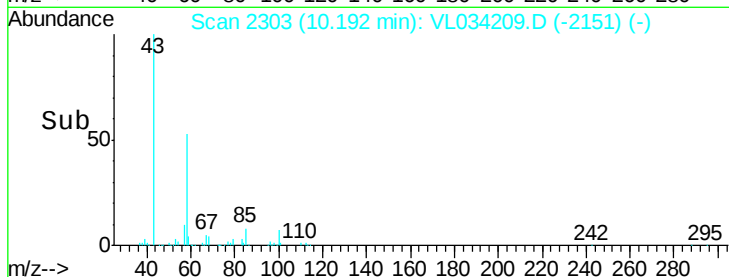
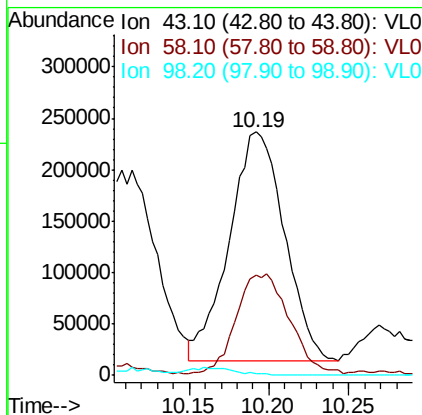
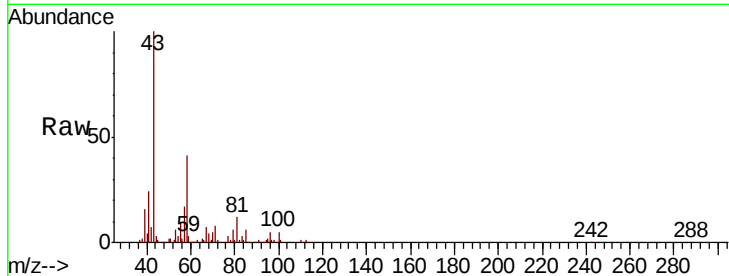
ClientSampleId :

SV-5DUP

Tot Ion:	43	Resp:	526115
Ion	Ratio	Lower	Upper
43	100		
58	44.5	36.2	54.4
98	2.8	0.2	0.2#

Manual Integrations
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#52

Tetrachloroethene

Concen: 22.082 ppbv

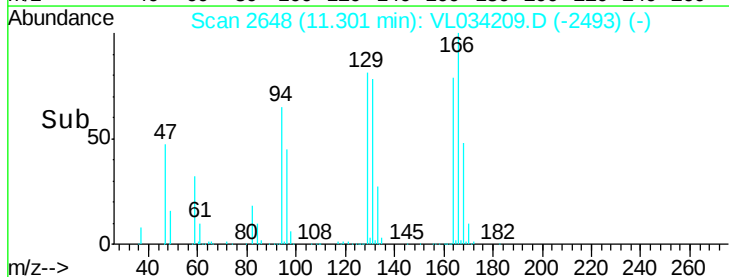
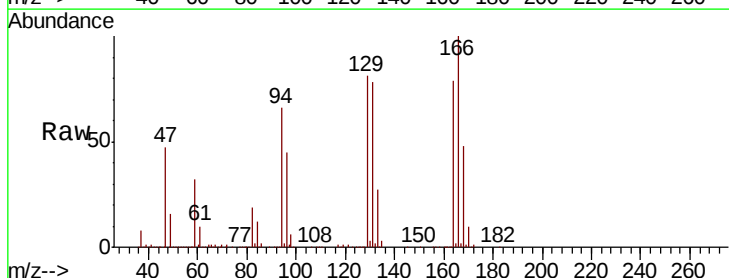
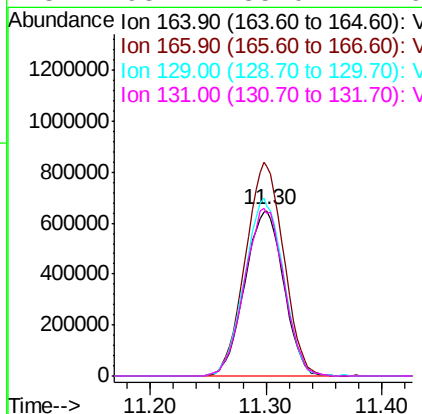
RT: 11.30 min Scan# 2648

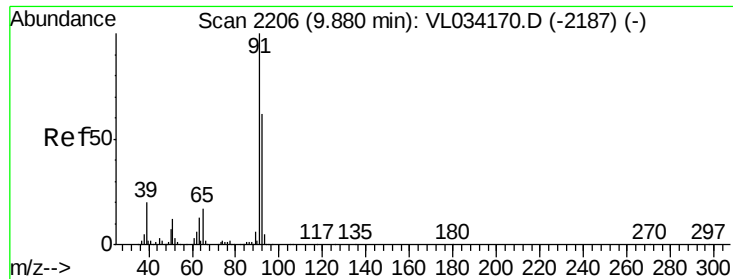
Delta R.T. -0.00 min

Lab File: VL034209.D

Acq: 2 Oct 2019 13:53

Tgt Ion:	164	Resp:	1508061
Ion	Ratio	Lower	Upper
164	100		
166	126.5	96.7	145.1
129	103.0	82.8	124.2
131	98.2	85.0	127.6





#53

Toluene

Concen: 10.129 ppbv

RT: 9.87 min Scan# 2203

Delta R.T. -0.01 min

Lab File: VL034209.D

Acq: 2 Oct 2019 13:53

Instrument :

MSVOA_L

ClientSampleId :

SV-5DUP

Tot Ion: 91 Resp: 2288257

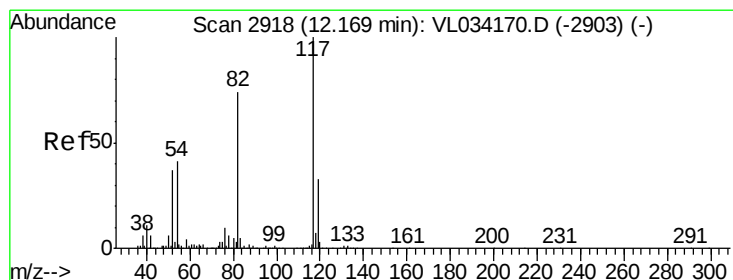
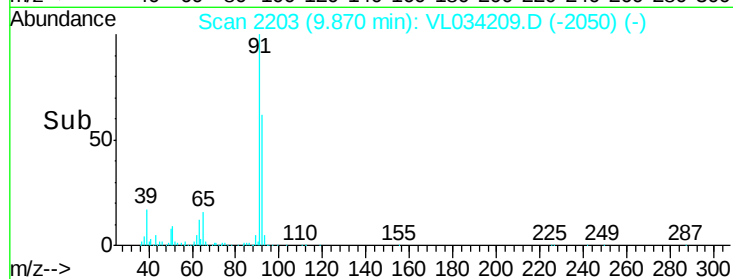
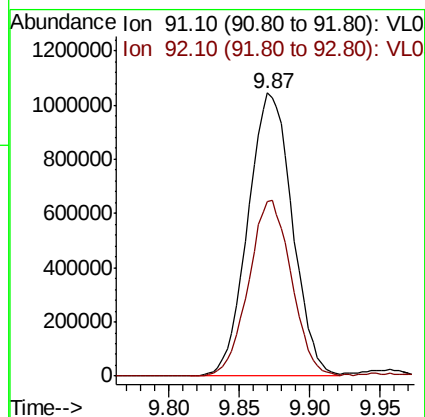
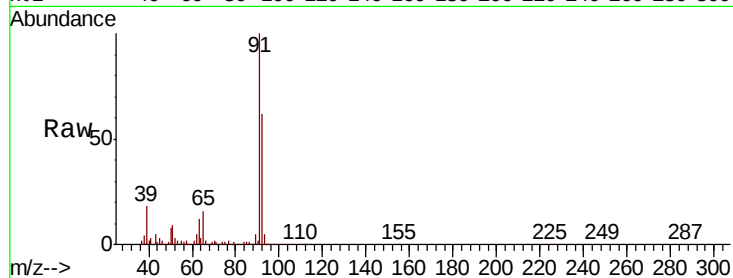
Ion Ratio Lower Upper

91 100

92 60.1 49.0 73.6

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.17 min Scan# 2917

Delta R.T. -0.00 min

Lab File: VL034209.D

Acq: 2 Oct 2019 13:53

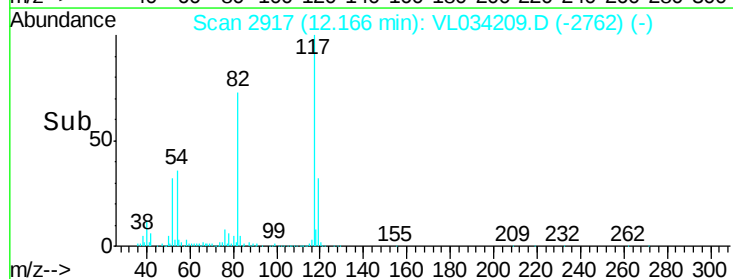
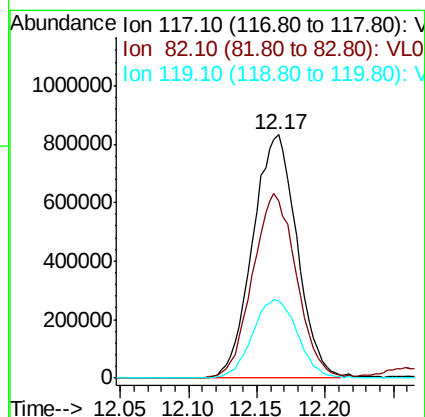
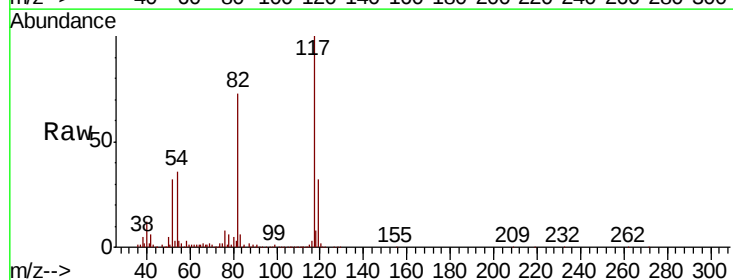
Tgt Ion: 117 Resp: 1870954

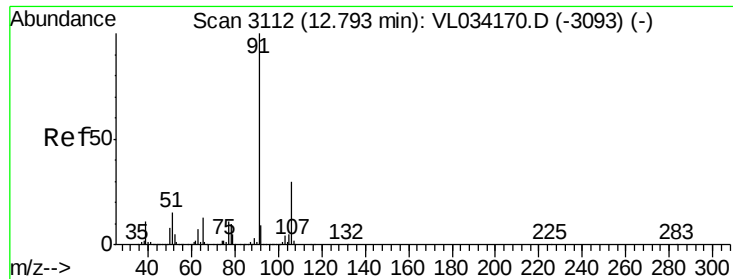
Ion Ratio Lower Upper

117 100

82 75.4 58.2 87.4

119 33.1 23.7 35.5





#58

Ethyl Benzene

Concen: 1.620 ppbv

RT: 12.79 min Scan# 3111

Delta R.T. -0.00 min

Lab File: VL034209.D

Acq: 2 Oct 2019 13:53

Instrument :

MSVOA_L

ClientSampleId :

SV-5DUP

Tot Ion: 91 Resp: 489069

Ion Ratio Lower Upper

91 100

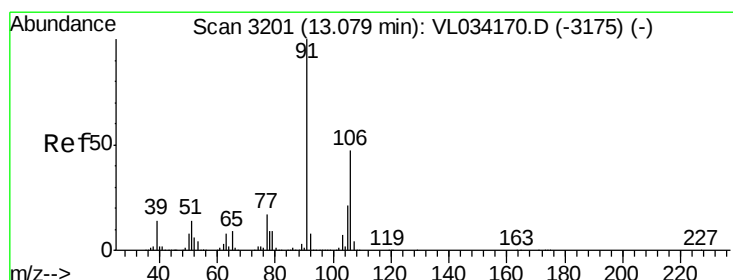
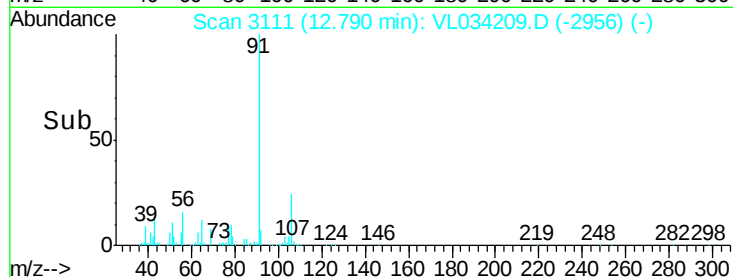
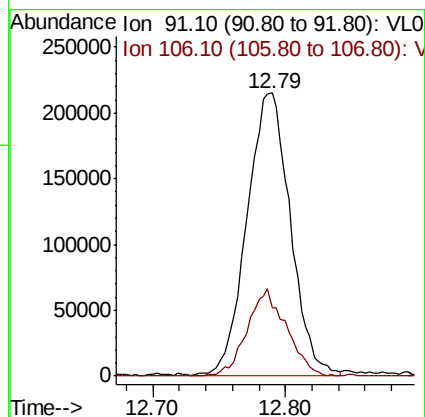
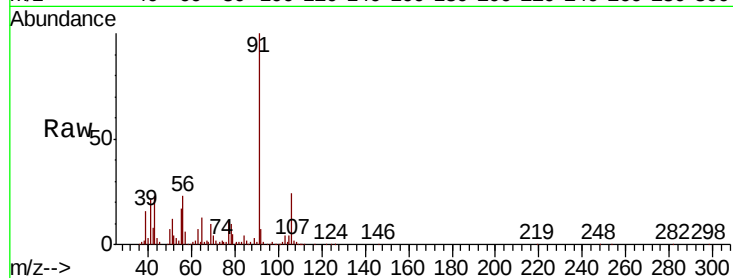
106 24.1 24.2 36.4#

Manual Integrations

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#59

m/p-Xylene

Concen: 4.348 ppbv

RT: 13.04 min Scan# 3190

Delta R.T. -0.04 min

Lab File: VL034209.D

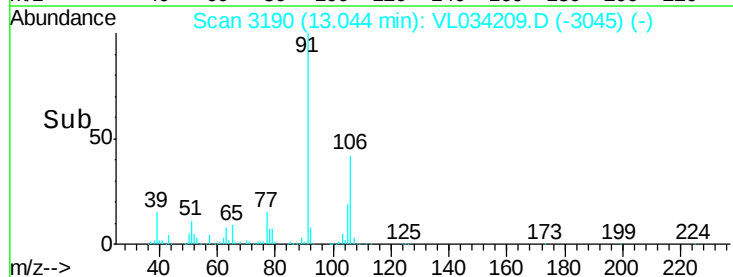
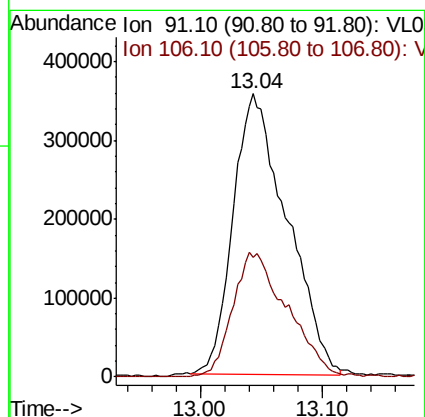
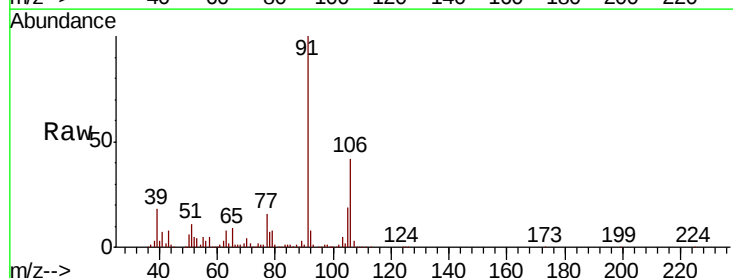
Acq: 2 Oct 2019 13:53

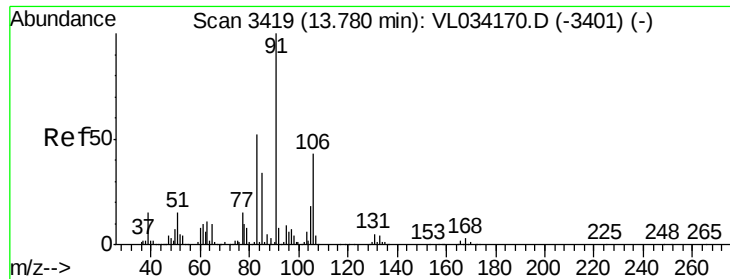
Tgt Ion: 91 Resp: 1087158

Ion Ratio Lower Upper

91 100

106 45.4 35.5 53.3





#60

o-Xylene

Concen: 1.786 ppbv

RT: 13.77 min Scan# 3416

Delta R.T. -0.01 min

Lab File: VL034209.D

Acq: 2 Oct 2019 13:53

Instrument :

MSVOA_L

ClientSampleId :

SV-5DUP

Tot Ion: 91 Resp: 446603

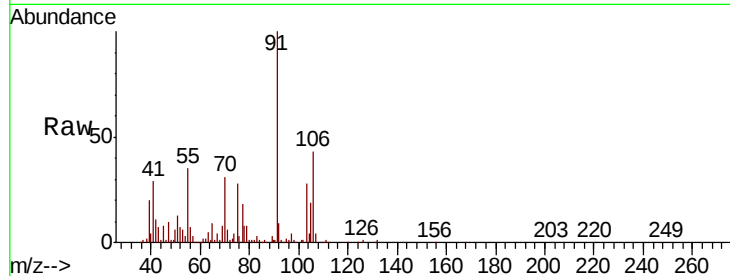
Ion Ratio Lower Upper

91 100

106 42.9 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

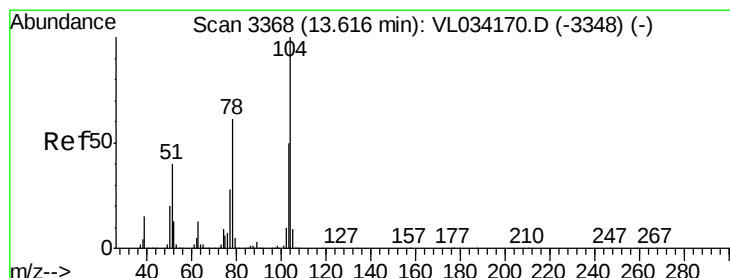
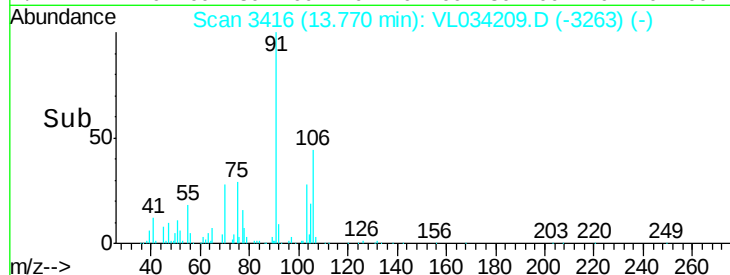
150000

100000

50000

0

Time-->



#61

Styrene

Concen: 0.237 ppbv m

RT: 13.60 min Scan# 3364

Delta R.T. -0.01 min

Lab File: VL034209.D

Acq: 2 Oct 2019 13:53

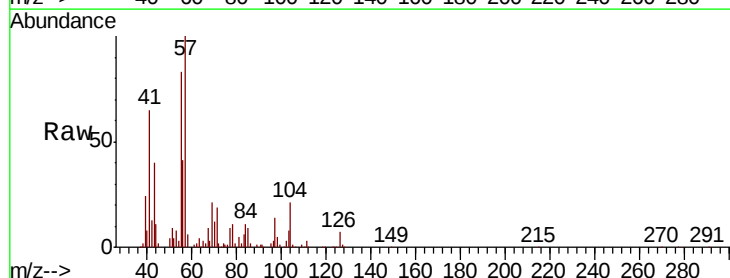
Tgt Ion: 104 Resp: 42441

Ion Ratio Lower Upper

104 100

78 75.0 49.7 74.5#

103 49.6 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

13.60

25000

20000

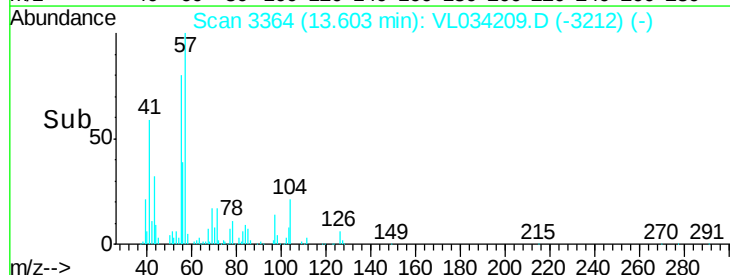
15000

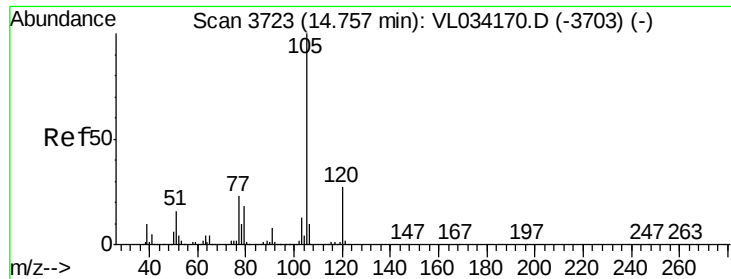
10000

5000

0

Time-->





#62

Isopropylbenzene

Concen: 0.150 ppbv m

RT: 14.74 min Scan# 3719

Delta R.T. -0.01 min

Lab File: VL034209.D

Acq: 2 Oct 2019 13:53

Instrument :

MSVOA_L

ClientSampleId :

SV-5DUP

Tot Ion:105 Resp: 48510

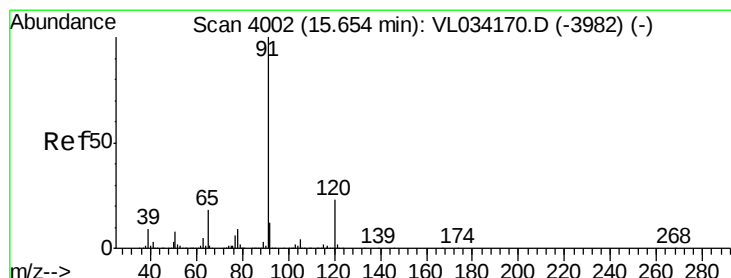
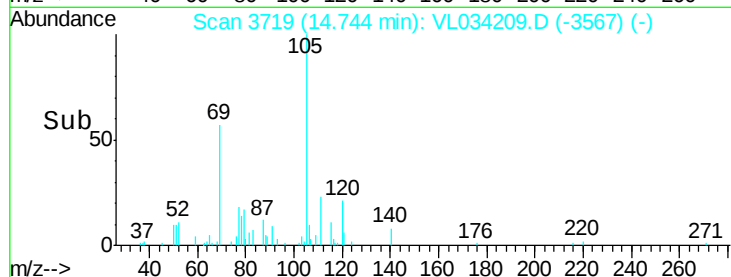
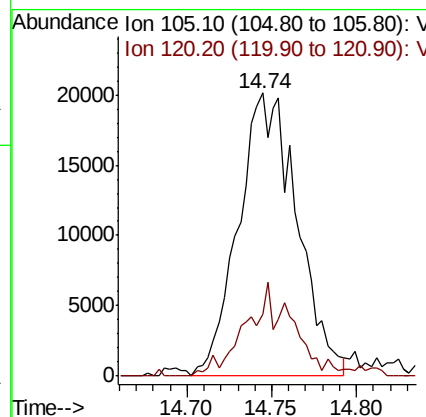
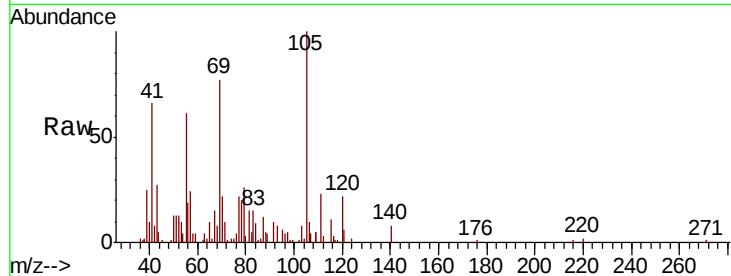
Ion Ratio Lower Upper

105 100

120 0.0 20.7 31.1#

Manual Integrations
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#64

n-propylbenzene

Concen: 0.450 ppbv m

RT: 15.64 min Scan# 3998

Delta R.T. -0.01 min

Lab File: VL034209.D

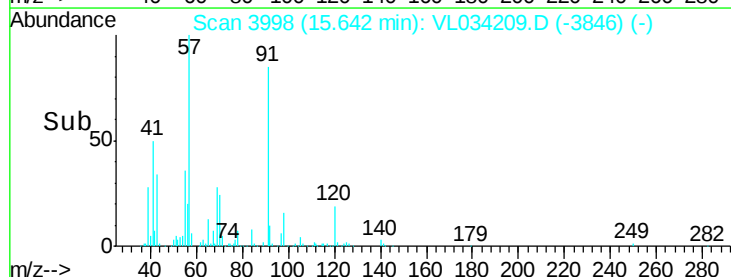
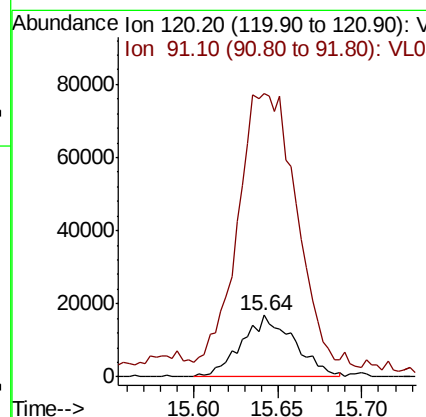
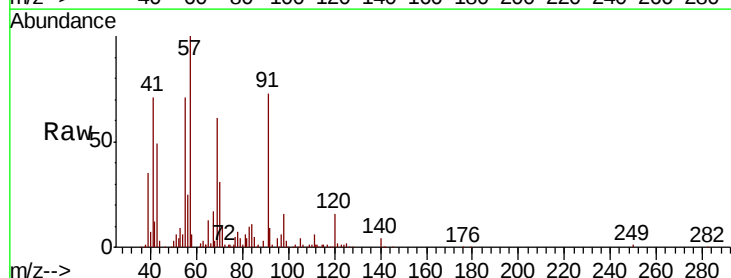
Acq: 2 Oct 2019 13:53

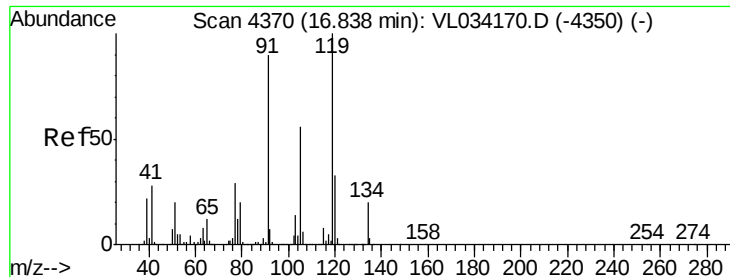
Tgt Ion:120 Resp: 36854

Ion Ratio Lower Upper

120 100

91 550.1 378.2 567.2





#65

tert-Butylbenzene

Concen: 0.206 ppbv m

RT: 16.84 min Scan# 4371

Delta R.T. 0.00 min

Lab File: VL034209.D

Acq: 2 Oct 2019 13:53

Instrument :

MSVOA_L

ClientSampled :

SV-5DUP

Tot Ion:119 Resp: 58326
Ion Ratio Lower Upper

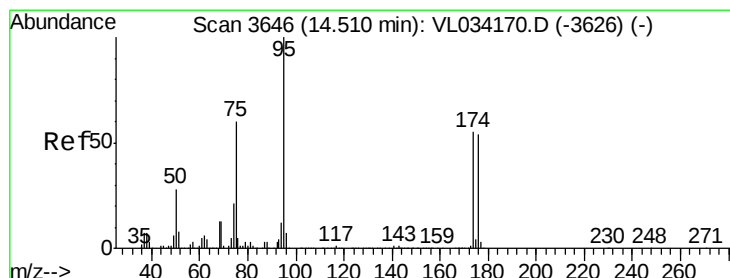
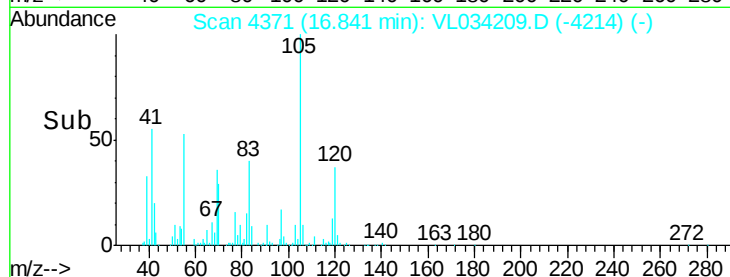
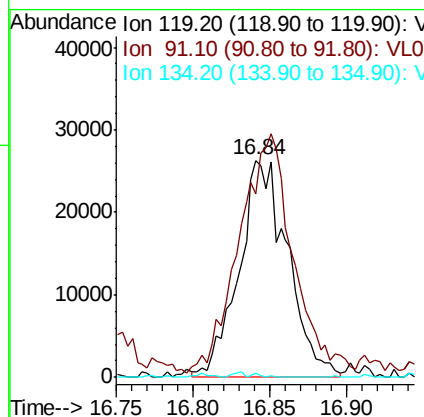
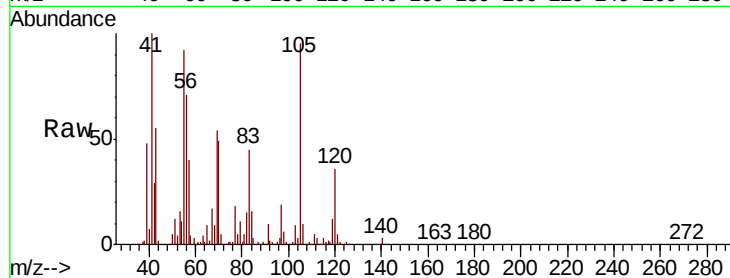
119 100

91 0.0 74.9 112.3#

134 1.4 15.8 23.6#

Manual Integrations
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#68

1-Bromo-4-Fluorobenzene

Concen: 10.127 ppbv

RT: 14.50 min Scan# 3642

Delta R.T. -0.01 min

Lab File: VL034209.D

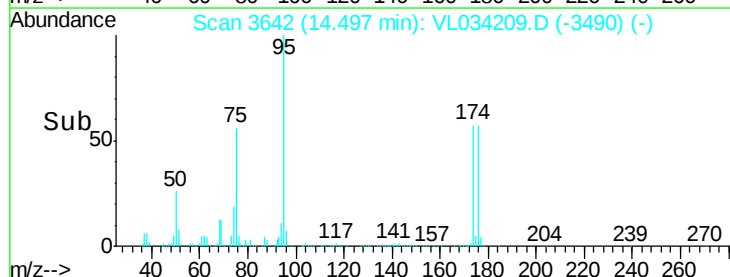
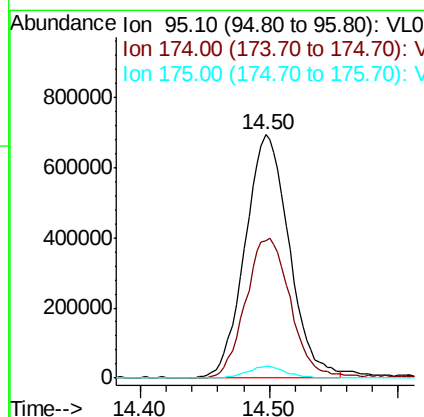
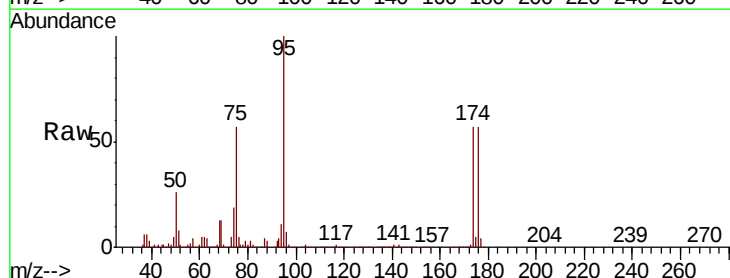
Acq: 2 Oct 2019 13:53

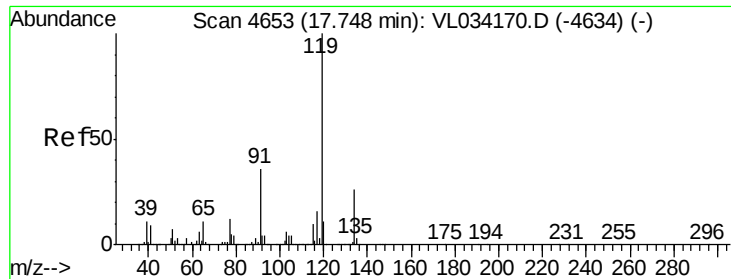
Tgt Ion: 95 Resp: 1646346
Ion Ratio Lower Upper

95 100

174 60.0 45.1 67.7

175 4.4 3.3 4.9





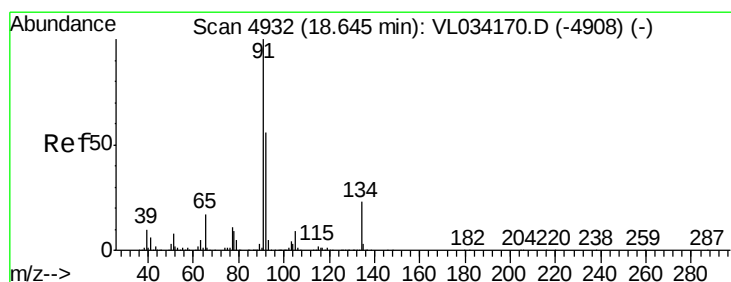
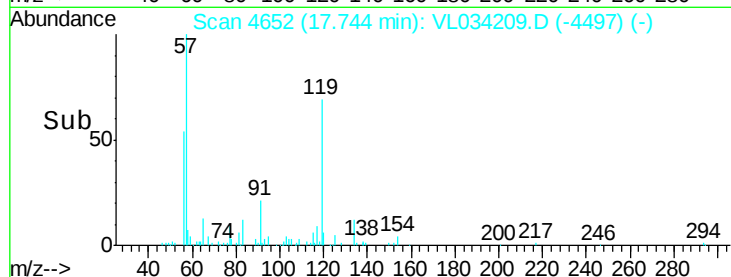
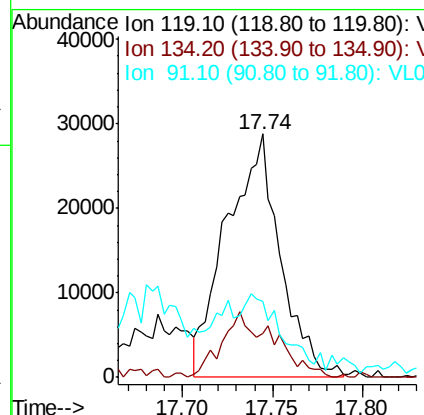
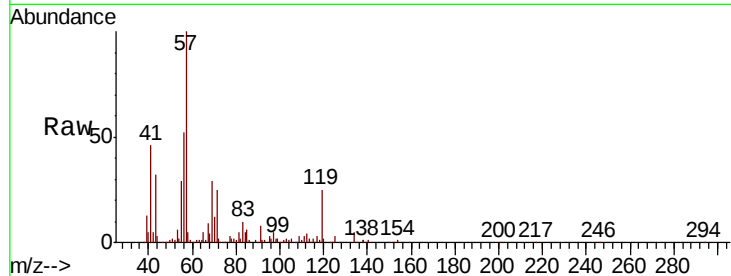
#69
 p-Isopropyltoluene
 Concen: 0.183 ppbv m
 RT: 17.74 min Scan# 4652
 Delta R.T. -0.00 min
 Lab File: VL034209.D
 Acq: 2 Oct 2019 13:53

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-5DUP

Tot Ion	Ratio	Resp	Lower	Upper
119	100	60027		
134	0.0	20.6	30.8#	
91	39.6	27.6	41.4	

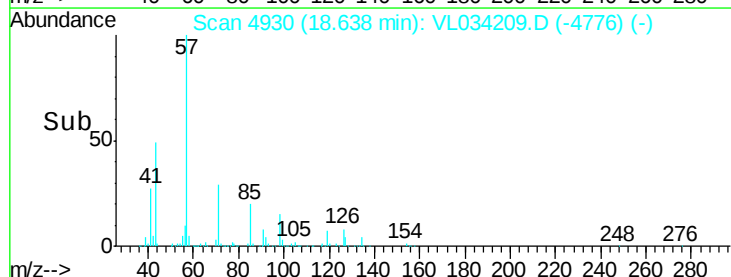
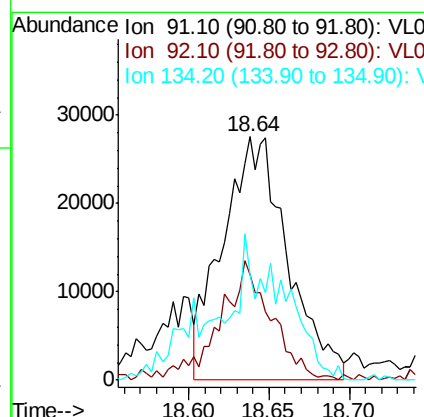
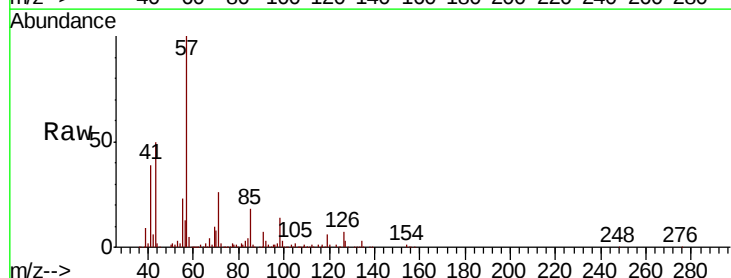
Manual Integrations
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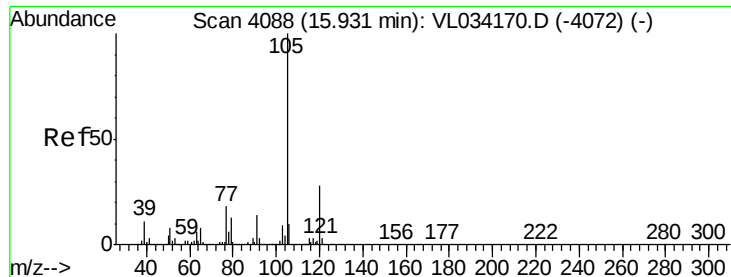
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#70
 n-Butylbenzene
 Concen: 0.205 ppbv m
 RT: 18.64 min Scan# 4930
 Delta R.T. -0.01 min
 Lab File: VL034209.D
 Acq: 2 Oct 2019 13:53

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	78318		
92	39.9	44.8	67.2#	
134	40.9	17.3	25.9#	





#72

4-Ethyltoluene

Concen: 0.702 ppbv m

RT: 15.93 min Scan# 4087

Delta R.T. -0.00 min

Lab File: VL034209.D

Acq: 2 Oct 2019 13:53

Instrument :

MSVOA_L

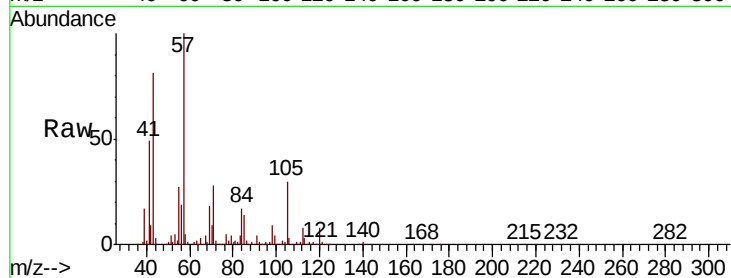
ClientSampled :

SV-5DUP

Tot Ion:	105	Resp:	198354
Ion Ratio	Lower	Upper	
105	100		
120	29.1	23.3	34.9
91	0.0	11.4	17.2#
77	16.7	13.3	19.9

Manual Integrations
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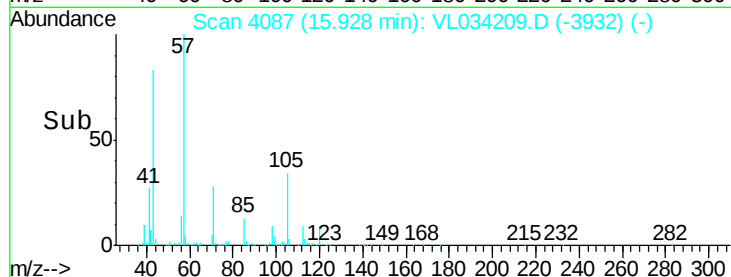
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

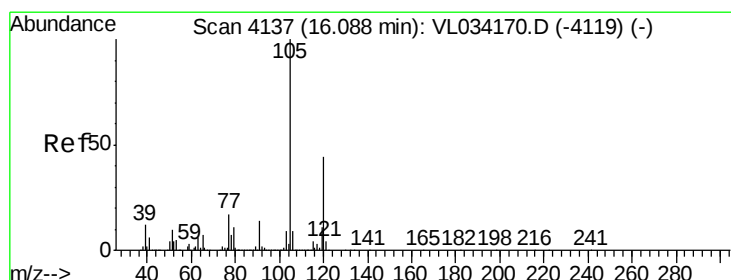
Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Time-->



Time-->



#73

1,3,5-Trimethylbenzene

Concen: 0.598 ppbv m

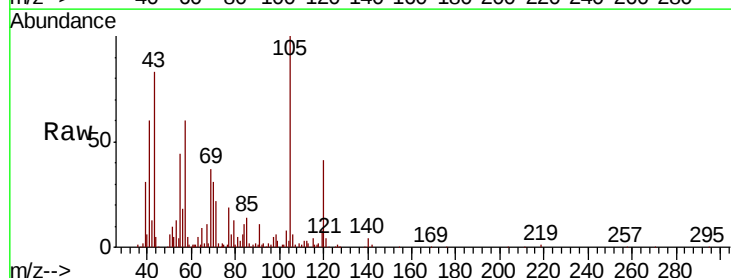
RT: 16.08 min Scan# 4135

Delta R.T. -0.01 min

Lab File: VL034209.D

Acq: 2 Oct 2019 13:53

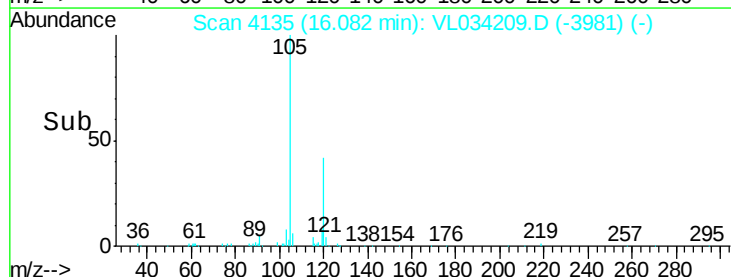
Tgt Ion:	105	Resp:	163127
Ion Ratio	Lower	Upper	
105	100		
120	41.5	35.6	53.4



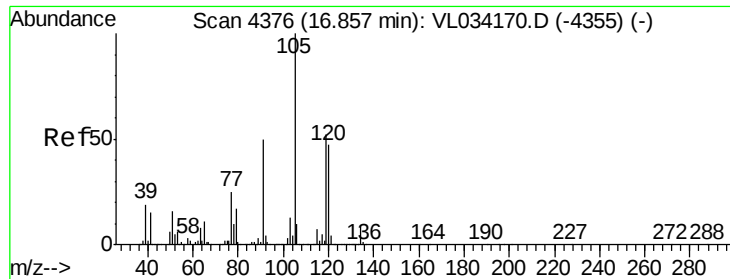
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Time-->



Time-->



#74

1,2,4-Trimethylbenzene

Concen: 1.851 ppbv

RT: 16.84 min Scan# 4372

Delta R.T. -0.01 min

Lab File: VL034209.D

Acq: 2 Oct 2019 13:53

Instrument :

MSVOA_L

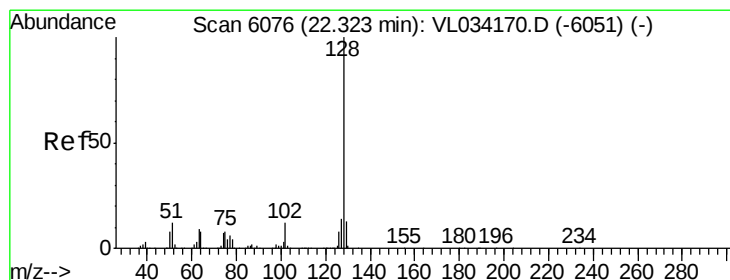
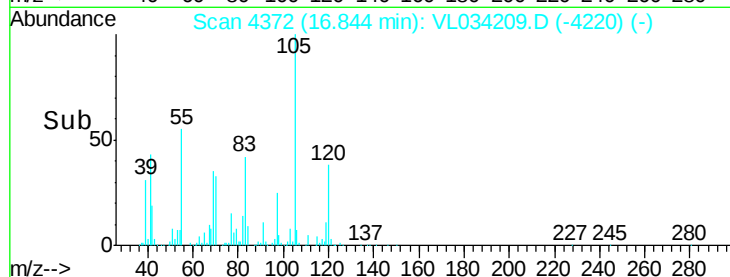
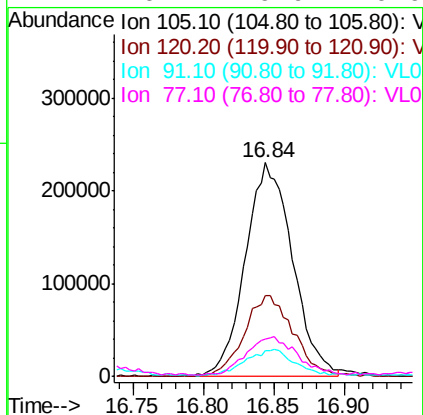
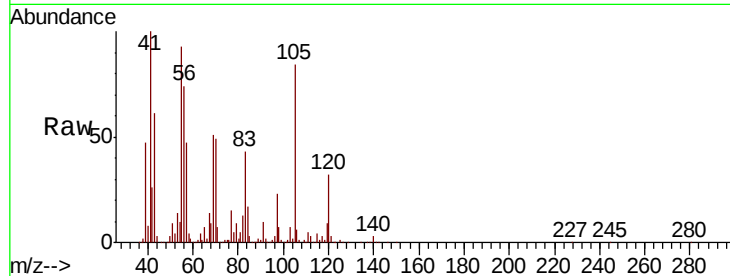
ClientSampled :

SV-5DUP

Tot Ion:	105	Resp:	536314
Ion Ratio		Lower	Upper
105	100		
120	37.7	37.5	56.3
91	11.5	41.1	61.7#
77	16.7	19.9	29.9#

Manual Integrations
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10/7/2019 12:29:28 PM



#79

Naphthalene

Concen: 0.191 ppbv m

RT: 22.31 min Scan# 6071

Delta R.T. -0.02 min

Lab File: VL034209.D

Acq: 2 Oct 2019 13:53

Tgt Ion:	128	Resp:	48670
Ion Ratio		Lower	Upper
128	100		
127	14.1	11.1	16.7
129	12.1	10.2	15.4

