

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080118\
 Data File : VL032332.D
 Acq On : 1 Aug 2018 21:14
 Operator : SY/AP
 Sample : J4235-01DUP
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MARKETING-CONFERENCE-ROOM

Manual Integrations
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 8/2/2018 2:04:56 PM

Quant Time: Aug 02 12:32:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL072718AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jul 2
 QLast Update : Fri Jul 27 07:05:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.83	49	1747225	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.36	114	4180243	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.32	117	4175986	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.65	95	3345765	10.32	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.12	85	56650	0.27	ppbv	99
3) Chlorodifluoromethane	3.05	51	79521m	0.46	ppbv	
4) Chloromethane	3.22	50	65172	0.62	ppbv	97
9) Propene	3.08	41	271750	3.46	ppbv	89
10) Heptane	8.32	43	81920	0.30	ppbv	99
11) Trichlorofluoromethane	4.06	101	55750	0.28	ppbv	91
13) Ethanol	3.70	45	2460582	109.00	ppbv	99
15) Acetone	3.95	43	2243806m	13.63	ppbv	
19) Isopropyl Alcohol	4.09	45	870990m	7.93	ppbv	
20) Methylene Chloride	4.47	84	294150	4.44	ppbv	97
26) Hexane	5.85	57	765624	4.58	ppbv #	50
30) Cyclohexane	7.31	84	22613m	0.17	ppbv	
34) 2-Butanone	5.39	43	230569	0.85	ppbv	100
35) Carbon Tetrachloride	7.21	117	17303m	0.07	ppbv	
36) Benzene	7.07	78	74501	0.20	ppbv #	95
37) 1,2-Dichloroethane	6.48	62	83259	0.39	ppbv	100
44) 2,2,4-Trimethylpentane	8.06	57	97523m	0.12	ppbv	
53) Toluene	10.03	91	410951	0.93	ppbv	99
58) Ethyl Benzene	12.94	91	83774m	0.16	ppbv	
59) m/p-Xylene	13.20	91	352636	0.79	ppbv	99
60) o-Xylene	13.93	91	159471	0.36	ppbv	95
61) Styrene	13.76	104	47921	0.15	ppbv	96
72) 4-Ethyltoluene	16.08	105	77481	0.16	ppbv #	93
73) 1,3,5-Trimethylbenzene	16.23	105	74858m	0.16	ppbv	
74) 1,2,4-Trimethylbenzene	17.01	105	231119	0.45	ppbv #	70
79) Naphthalene	22.51	128	243771	0.55	ppbv	98

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

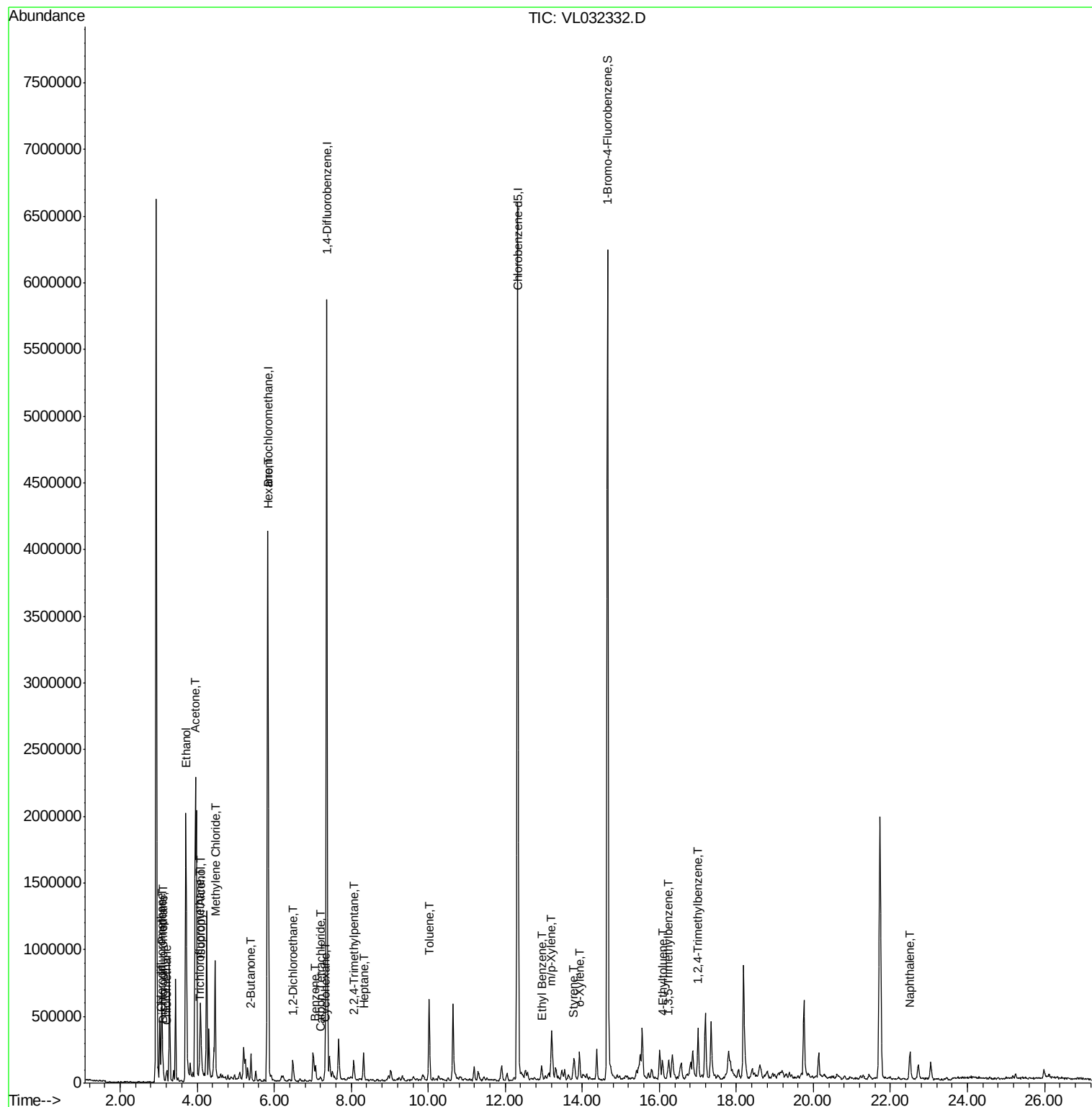
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL080118\
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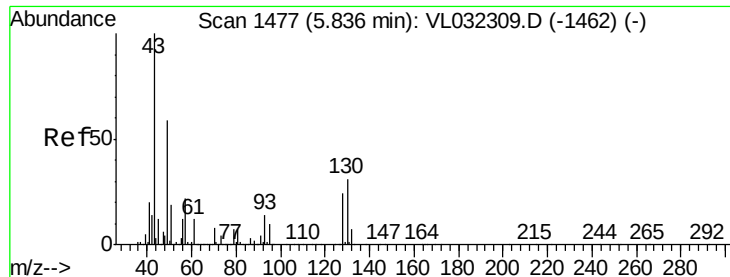
Instrument :
MSVOA_L
ClientSampleId :
MARKETING-CONFERENCE-ROOM

Quant Time: Aug 02 12:32:57 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL072718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jul
QLast Update : Fri Jul 27 07:05:37 2018
Response via : Initial Calibration

Manual Integrations
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#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.83 min Scan# 1474

Delta R.T. -0.01 min

Lab File: VL032332.D

Acq: 1 Aug 2018 21:14

Instrument :

MSVOA_L

ClientSampleId :

MARKETING-CONFERENCE-ROOM

Tot Ion: 49 Resp: 1747225

Ion Ratio Lower Upper

49 100

128 39.8 20.2 60.6

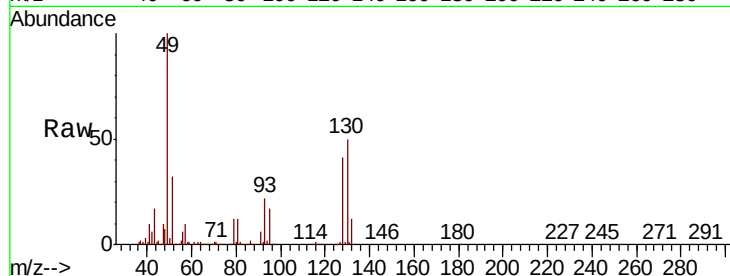
130 50.5 25.8 77.3

Manual Integrations

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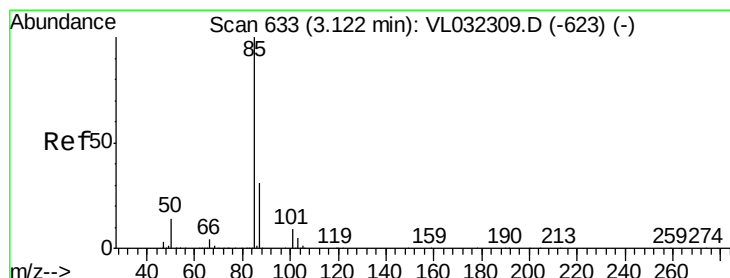
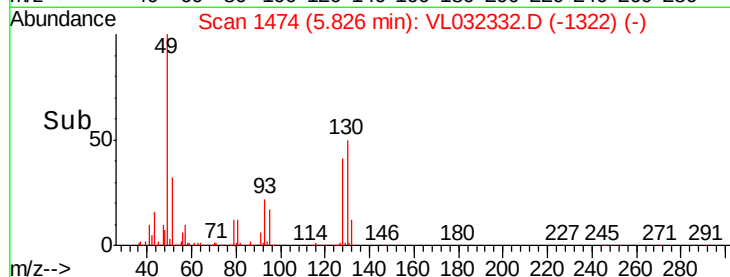
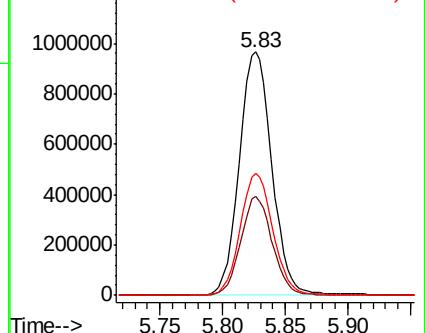
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 0.27 ppbv

RT: 3.12 min Scan# 633

Delta R.T. -0.00 min

Lab File: VL032332.D

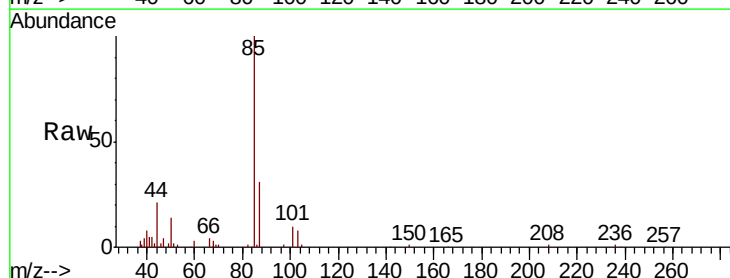
Acq: 1 Aug 2018 21:14

Tgt Ion: 85 Resp: 56650

Ion Ratio Lower Upper

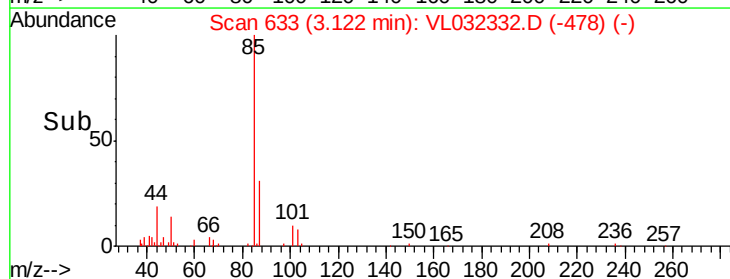
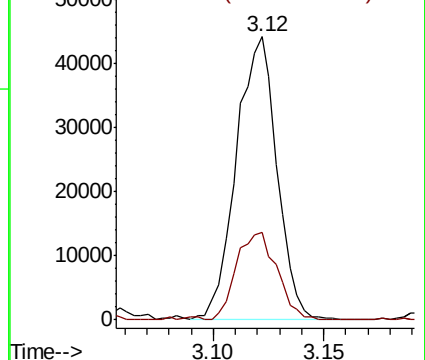
85 100

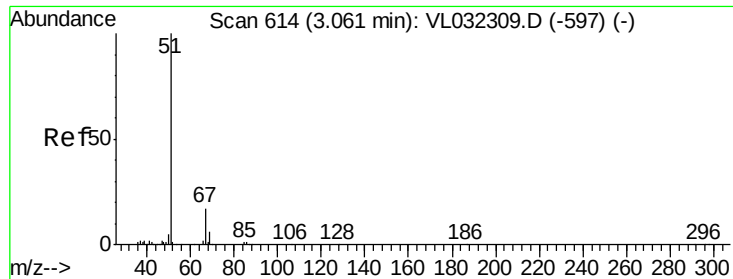
87 31.1 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





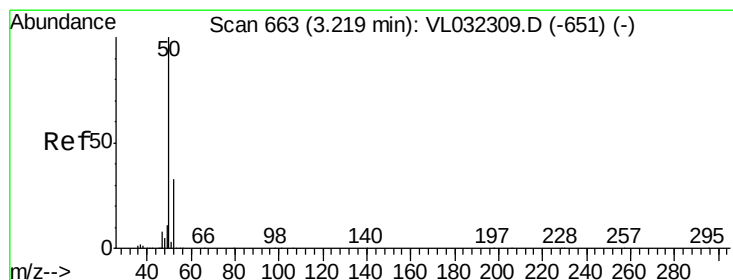
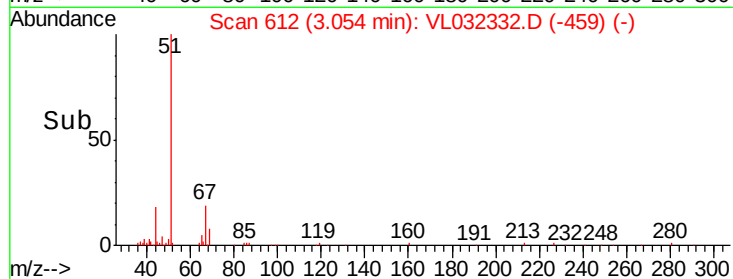
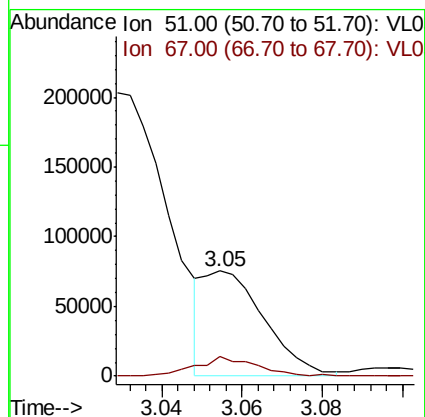
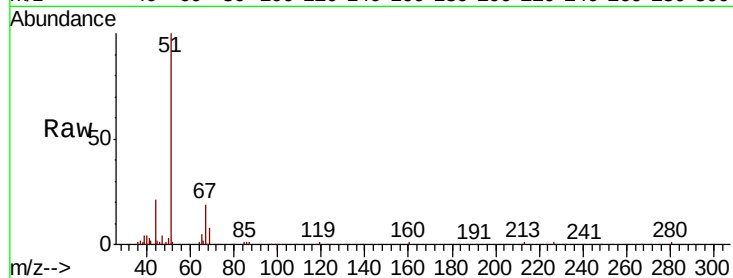
#3
Chlorodifluoromethane
Concen: 0.46 ppbv m
RT: 3.05 min Scan# 612
Delta R.T. -0.01 min
Lab File: VL032332.D
Acq: 1 Aug 2018 21:14

Instrument :
MSVOA_L
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
51	100		
67	19.4	13.5	20.3

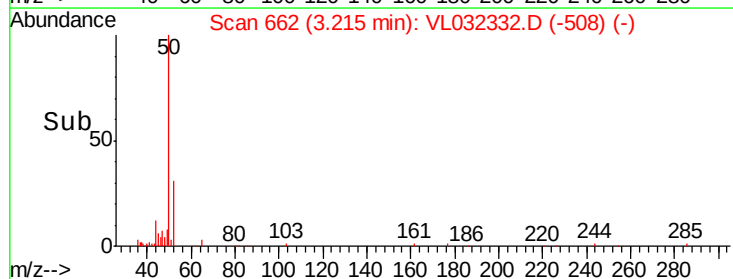
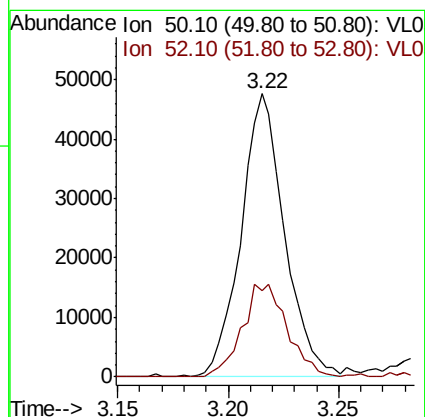
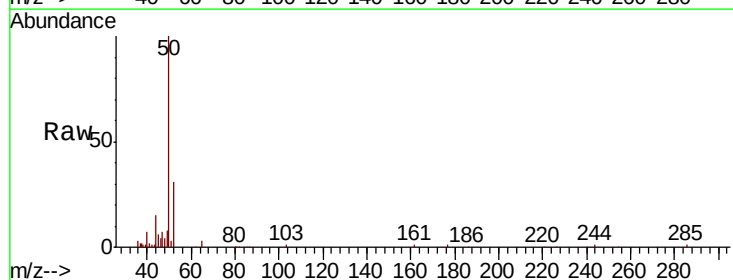
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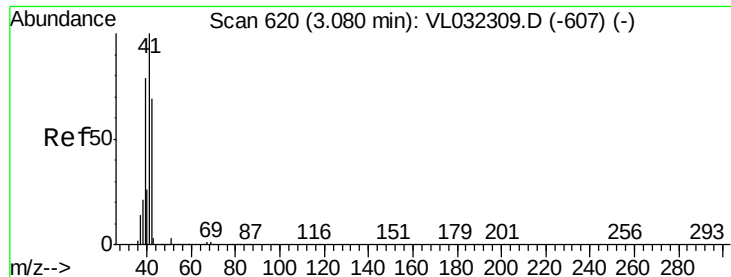
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#4
Chloromethane
Concen: 0.62 ppbv
RT: 3.22 min Scan# 662
Delta R.T. -0.00 min
Lab File: VL032332.D
Acq: 1 Aug 2018 21:14

Tgt Ion	Ratio	Lower	Upper
50	100		
52	31.0	26.2	39.4





#9

Propene

Concen: 3.46 ppbv

RT: 3.08 min Scan# 620

Delta R.T. -0.00 min

Lab File: VL032332.D

Acq: 1 Aug 2018 21:14

Instrument :

MSVOA_L

ClientSampleId :

MARKETING-CONFERENCE-ROOM

Tot Ion: 41 Resp: 271750

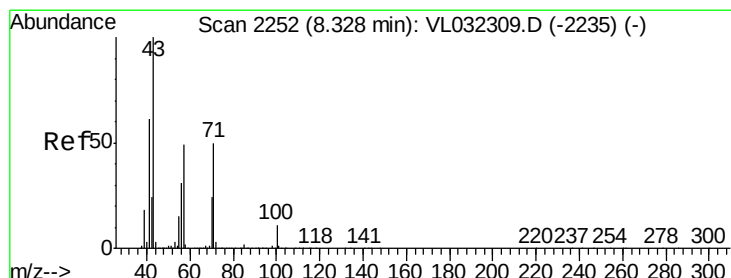
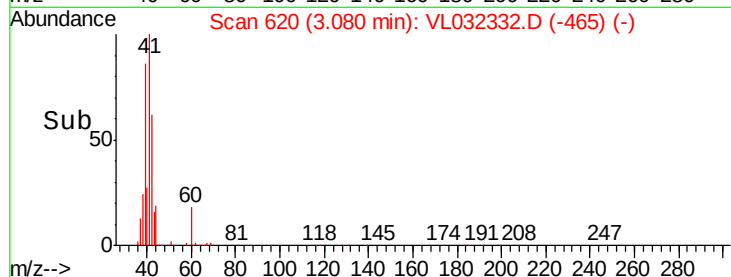
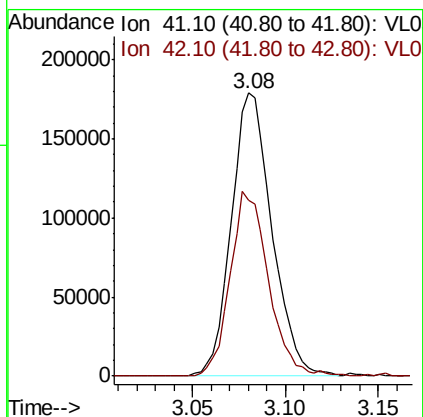
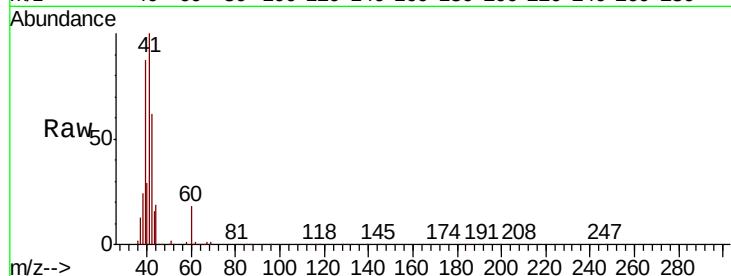
Ion Ratio Lower Upper

41 100

42 62.0 56.8 85.2

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#10

Heptane

Concen: 0.30 ppbv

RT: 8.32 min Scan# 2250

Delta R.T. -0.01 min

Lab File: VL032332.D

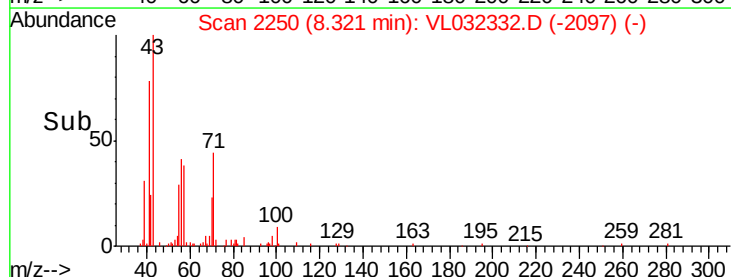
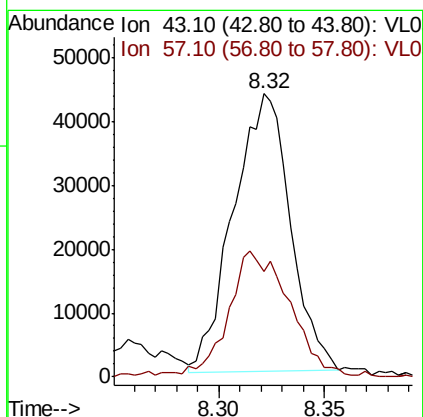
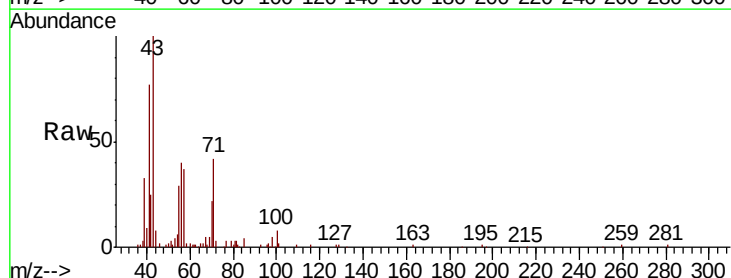
Acq: 1 Aug 2018 21:14

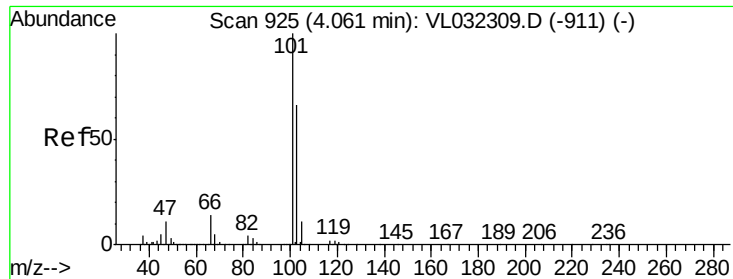
Tgt Ion: 43 Resp: 81920

Ion Ratio Lower Upper

43 100

57 49.6 39.0 58.4





#11

Trichlorofluoromethane

Concen: 0.28 ppbv

RT: 4.06 min Scan# 925

Delta R.T. -0.00 min

Lab File: VL032332.D

Acq: 1 Aug 2018 21:14

Tot Ion:101 Resp: 55750

Ion Ratio Lower Upper

101 100

103 58.4 52.6 78.8

Instrument :

MSVOA_L

ClientSampleId :

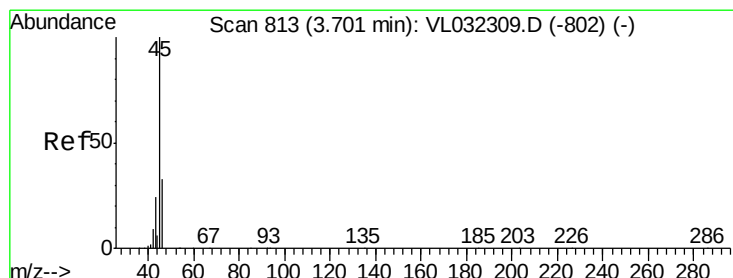
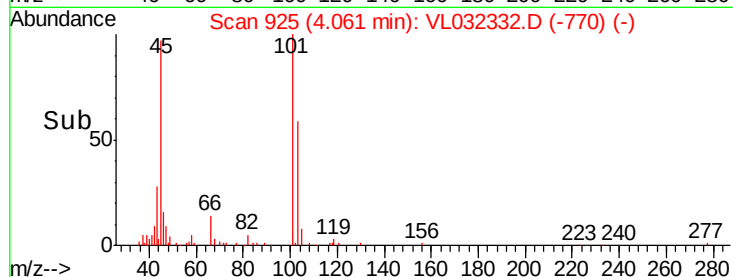
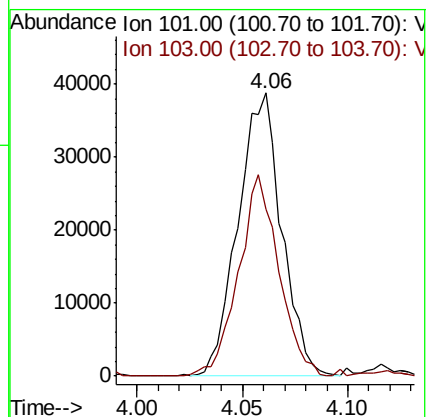
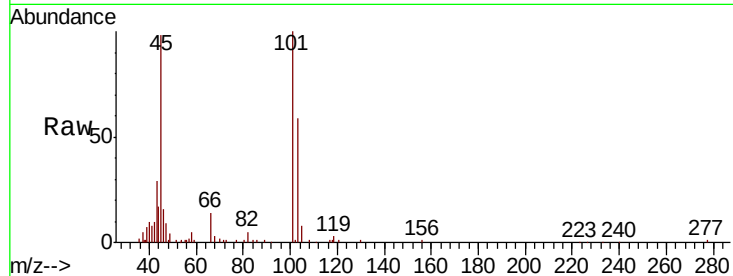
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#13

Ethanol

Concen: 109.00 ppbv

RT: 3.70 min Scan# 814

Delta R.T. 0.00 min

Lab File: VL032332.D

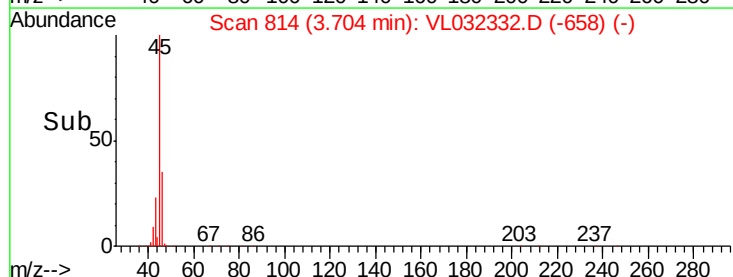
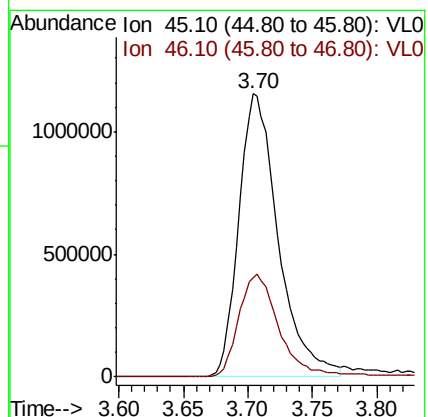
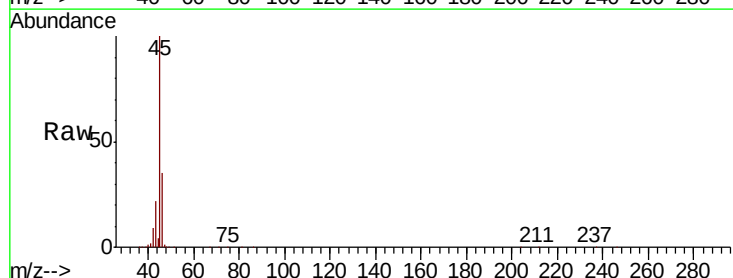
Acq: 1 Aug 2018 21:14

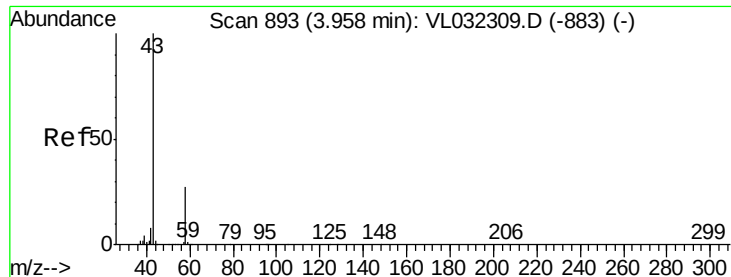
Tgt Ion: 45 Resp: 2460582

Ion Ratio Lower Upper

45 100

46 38.5 15.2 60.6





#15

Acetone

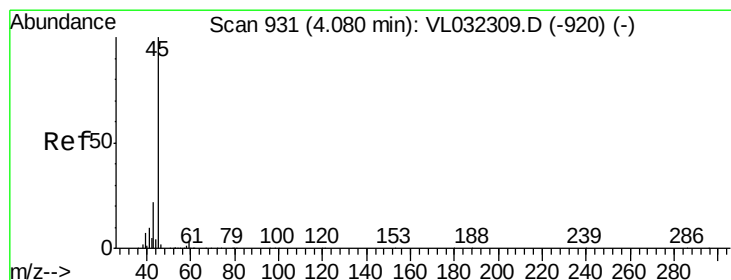
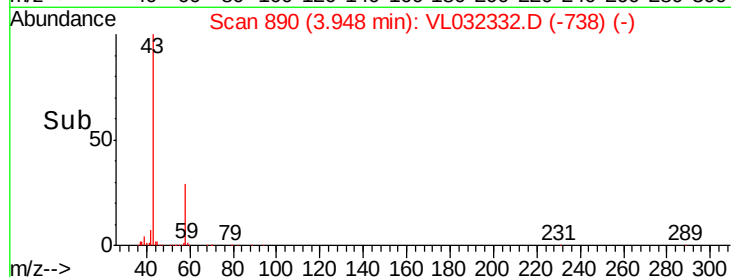
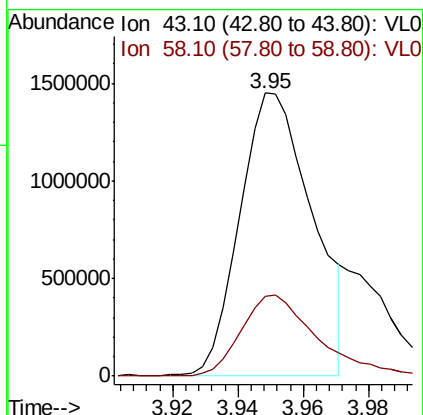
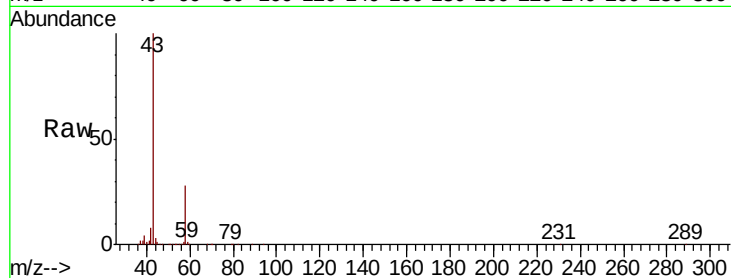
Concen: 13.63 ppbv m
RT: 3.95 min Scan# 890
Delta R.T. -0.01 min
Lab File: VL032332.D
Acq: 1 Aug 2018 21:14

Instrument :
MSVOA_L
ClientSampleId :
MARKETING-CONFERENCE-ROOM

Tot Ion: 43 Resp: 2243806
Ion Ratio Lower Upper
43 100
58 30.6 22.5 33.7

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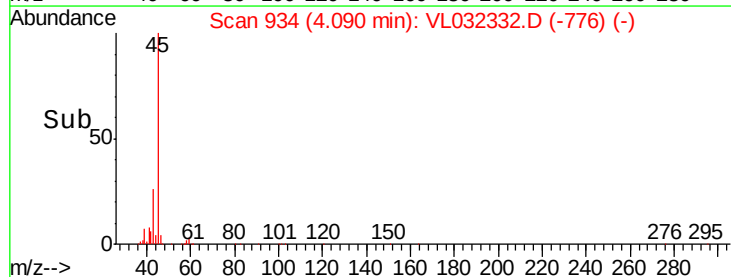
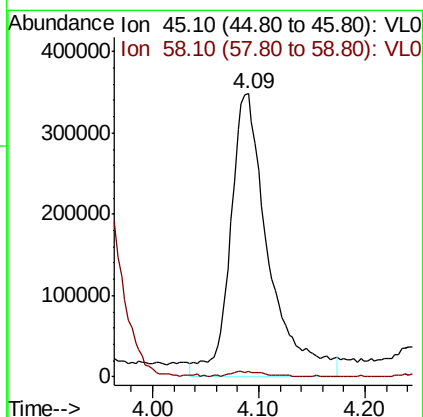
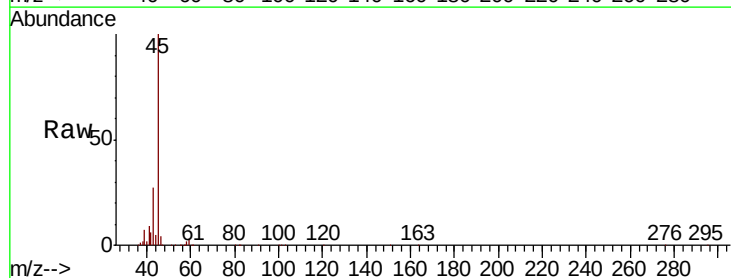


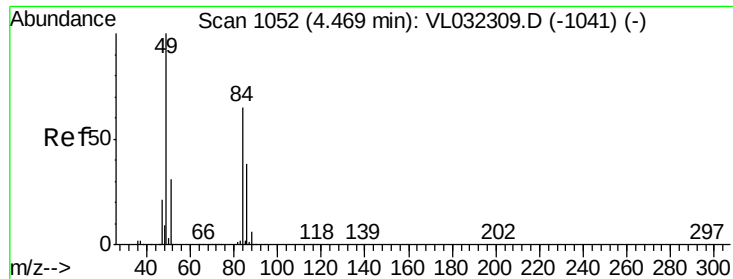
#19

Isopropyl Alcohol

Concen: 7.93 ppbv m
RT: 4.09 min Scan# 934
Delta R.T. 0.01 min
Lab File: VL032332.D
Acq: 1 Aug 2018 21:14

Tgt Ion: 45 Resp: 870990
Ion Ratio Lower Upper
45 100
58 0.0 1.5 2.3#





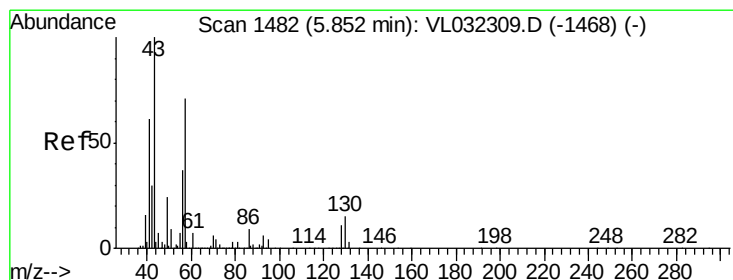
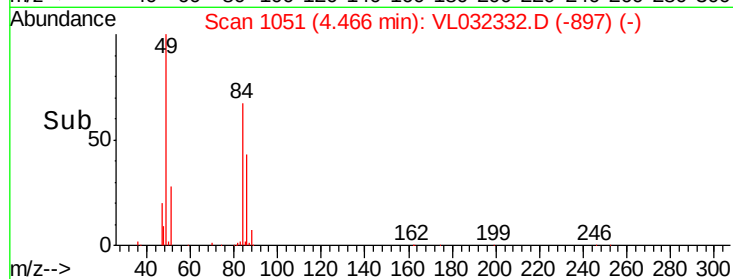
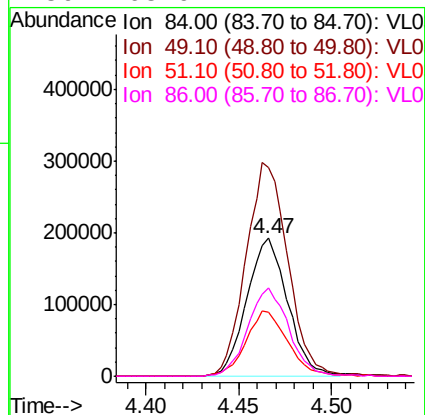
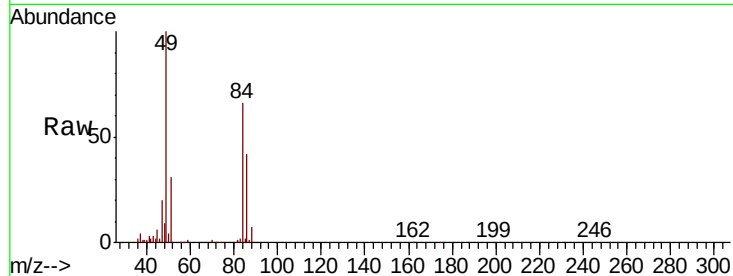
#20
Methvlene Chloride
Concen: 4.44 ppbv
RT: 4.47 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VL032332.D
Acq: 1 Aug 2018 21:14

Instrument :
MSVOA_L
ClientSampleId :
MARKETING-CONFERENCE-ROOM

Tot Ion:	84	Resp:	294150
Ion	Ratio	Lower	Upper
84	100		
49	150.7	123.4	185.0
51	46.2	38.2	57.2
86	63.9	47.4	71.2

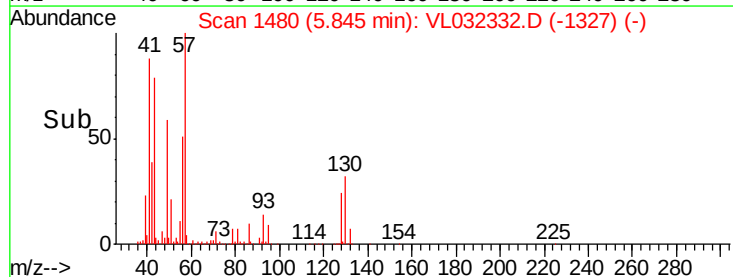
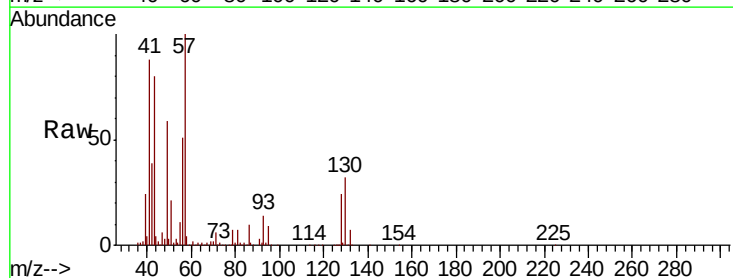
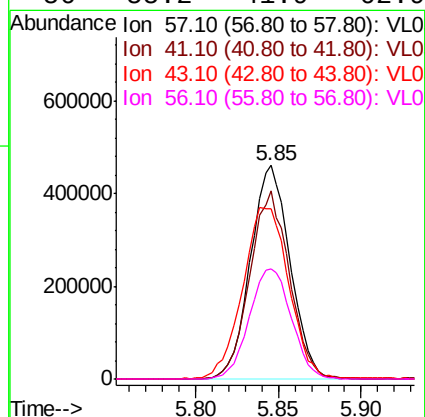
Manual Integrations
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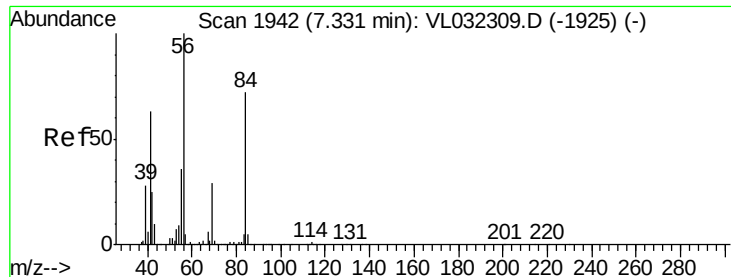
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#26
Hexane
Concen: 4.58 ppbv
RT: 5.85 min Scan# 1480
Delta R.T. -0.01 min
Lab File: VL032332.D
Acq: 1 Aug 2018 21:14

Tgt Ion:	57	Resp:	765624
Ion	Ratio	Lower	Upper
57	100		
41	87.9	68.1	102.1
43	93.5	177.4	266.2#
56	55.2	41.9	62.9





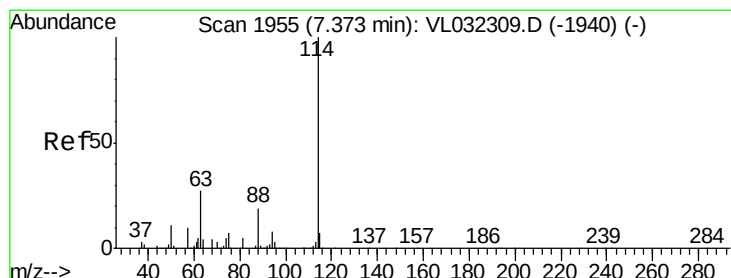
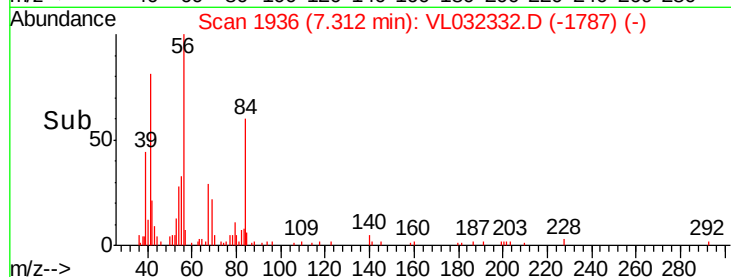
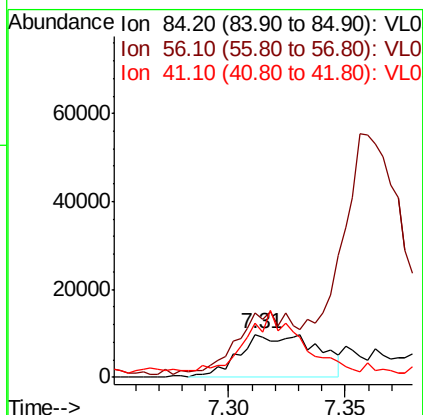
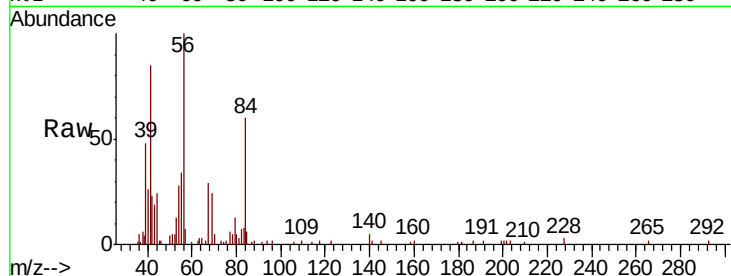
#30
Cyclohexane
Concen: 0.17 ppbv m
RT: 7.31 min Scan# 1936
Delta R.T. -0.02 min
Lab File: VL032332.D
Acq: 1 Aug 2018 21:14

Instrument :
MSVOA_L
ClientSampleId :
MARKETING-CONFERENCE-ROOM

Tot Ion	Ratio	Lower	Upper
84	100		
56	0.0	116.8	175.2#
41	118.2	70.0	105.0#

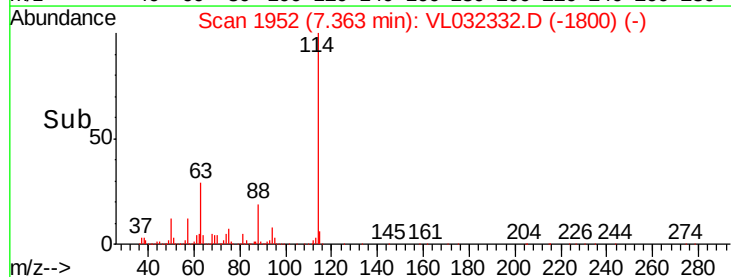
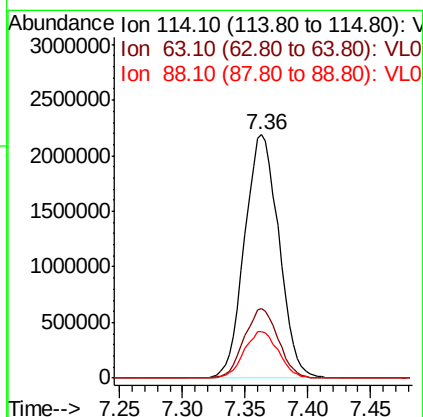
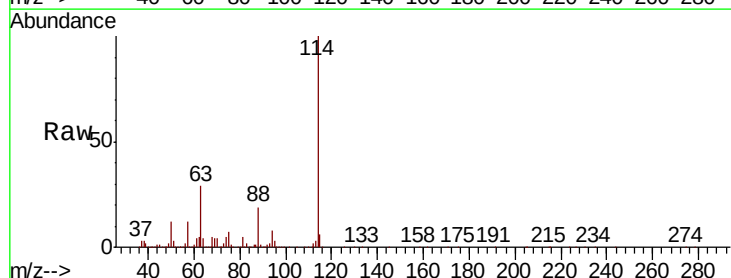
Manual Integrations
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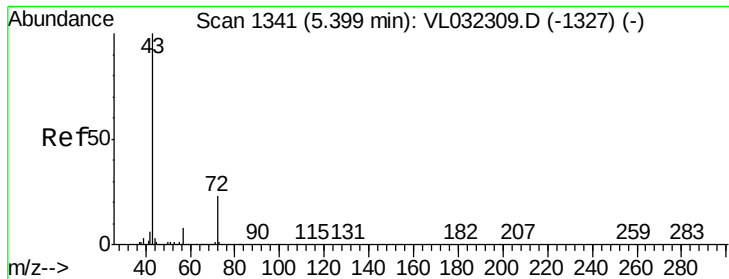
MMDadoda
8/2/2018 2:04:56 PM



#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.36 min Scan# 1952
Delta R.T. -0.01 min
Lab File: VL032332.D
Acq: 1 Aug 2018 21:14

Tgt Ion	Ratio	Lower	Upper
114	100		
63	28.4	22.4	33.6
88	19.2	15.3	22.9





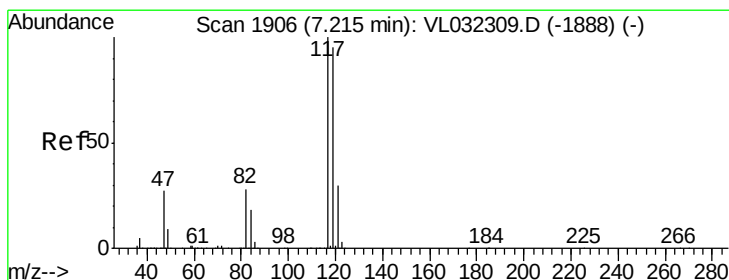
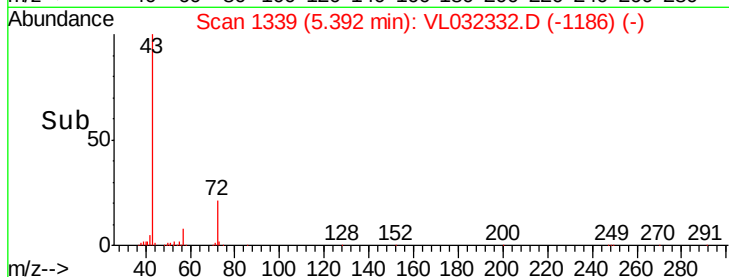
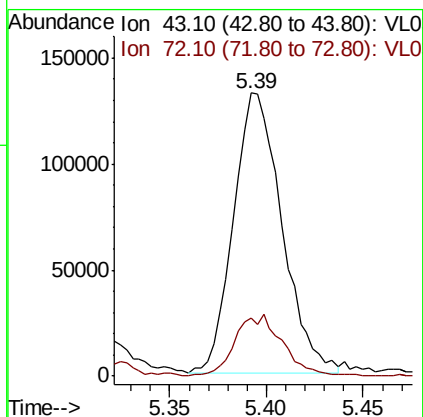
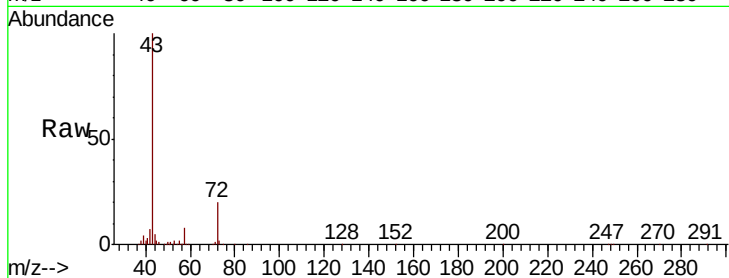
#34
2-Butanone
Concen: 0.85 ppbv
RT: 5.39 min Scan# 1339
Delta R.T. -0.01 min
Lab File: VL032332.D
Acq: 1 Aug 2018 21:14

Instrument :
MSVOA_L
ClientSampleId :
MARKETING-CONFERENCE-ROOM

Tot Ion	Ratio	Lower	Upper
43	100		
72	21.7	17.4	26.2

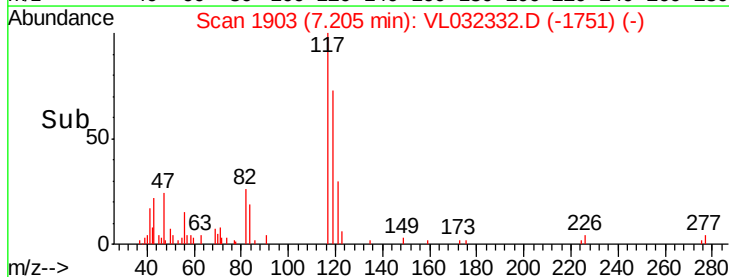
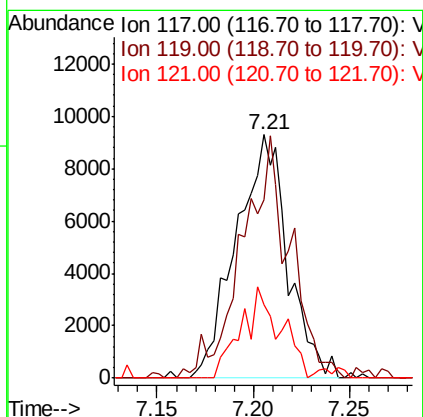
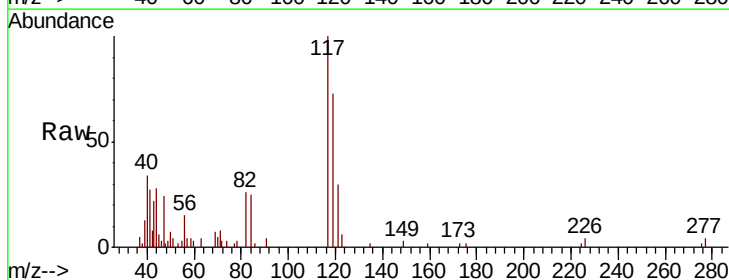
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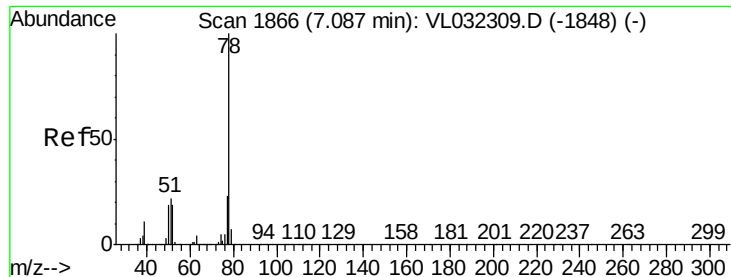
MMDadoda
8/2/2018 2:04:56 PM



#35
Carbon Tetrachloride
Concen: 0.07 ppbv m
RT: 7.21 min Scan# 1903
Delta R.T. -0.01 min
Lab File: VL032332.D
Acq: 1 Aug 2018 21:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	73.4	76.1	114.1#
121	29.9	24.4	36.6





#36

Benzene

Concen: 0.20 ppbv

RT: 7.07 min Scan# 1862

Delta R.T. -0.01 min

Lab File: VL032332.D

Acq: 1 Aug 2018 21:14

Instrument :

MSVOA_L

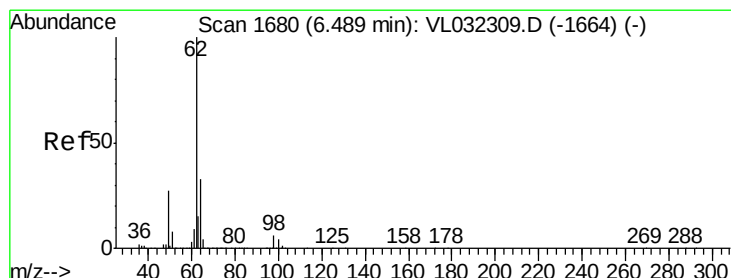
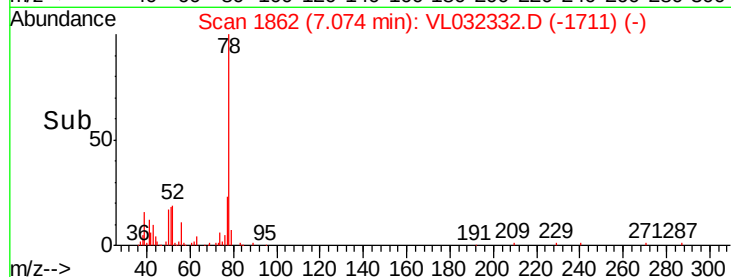
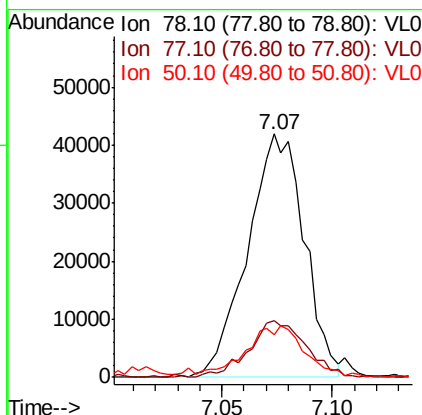
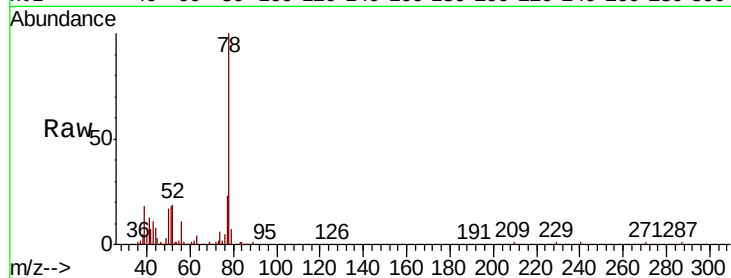
ClientSampleId :

MARKETING-CONFERENCE-ROOM

Tot Ion:	78	Resp:	74501
Ion Ratio	Lower	Upper	
78	100		
77	22.7	18.4	27.6
50	14.3	15.3	22.9#

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#37

1,2-Dichloroethane

Concen: 0.39 ppbv

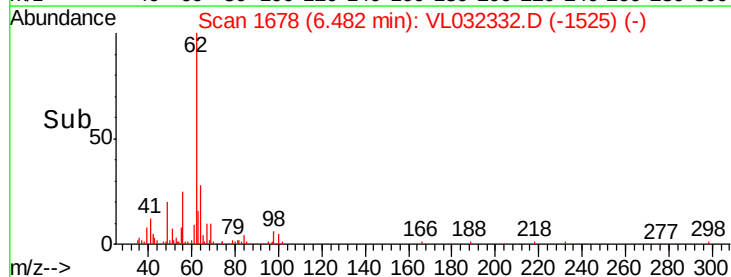
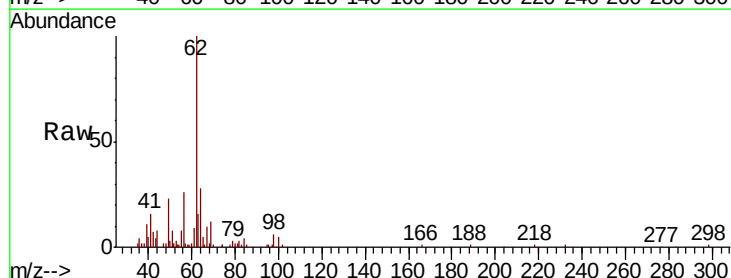
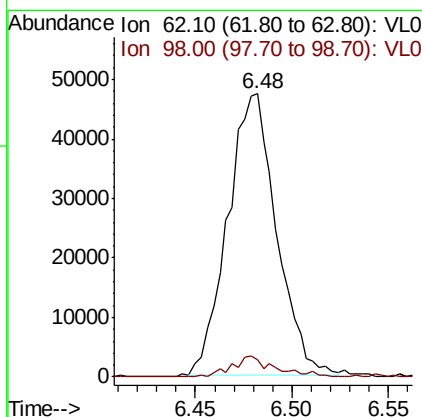
RT: 6.48 min Scan# 1678

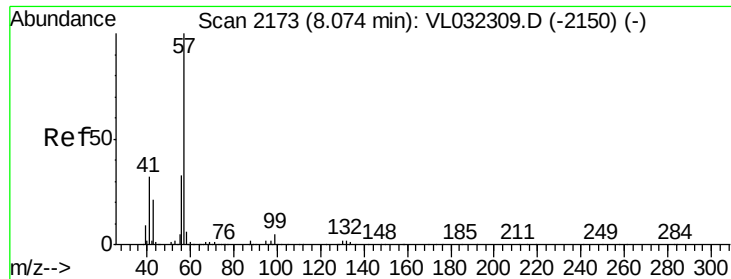
Delta R.T. -0.01 min

Lab File: VL032332.D

Acq: 1 Aug 2018 21:14

Tgt Ion:	62	Resp:	83259
Ion Ratio	Lower	Upper	
62	100		
98	6.4	5.1	7.7





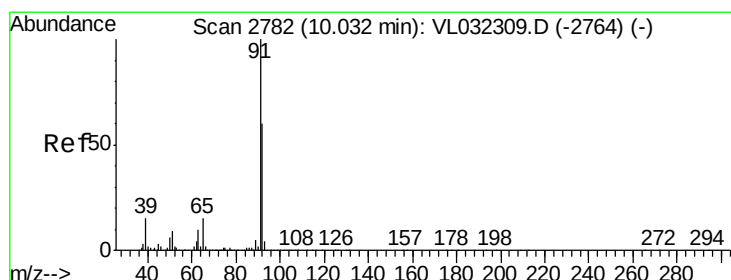
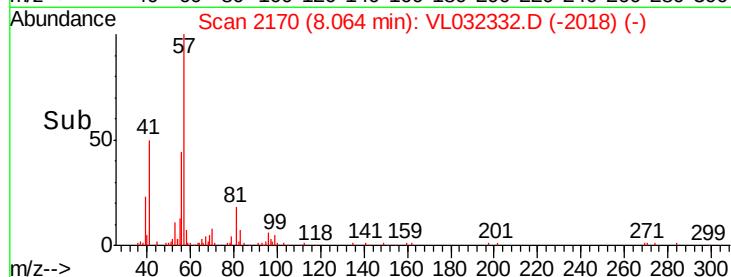
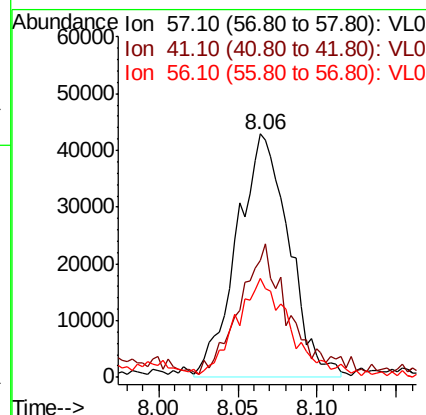
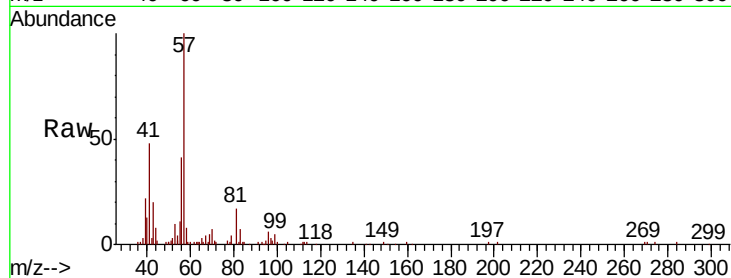
#44
 2,2,4-Trimethylpentane
 Concen: 0.12 ppbv m
 RT: 8.06 min Scan# 2170
 Delta R.T. -0.01 min
 Lab File: VL032332.D
 Acq: 1 Aug 2018 21:14

Instrument :
 MSVOA_L
 ClientSampleId :
 MARKETING-CONFERENCE-ROOM

Tot Ion	Ratio	Lower	Upper
57	100		
41	51.3	24.3	36.5#
56	44.1	25.4	38.2#

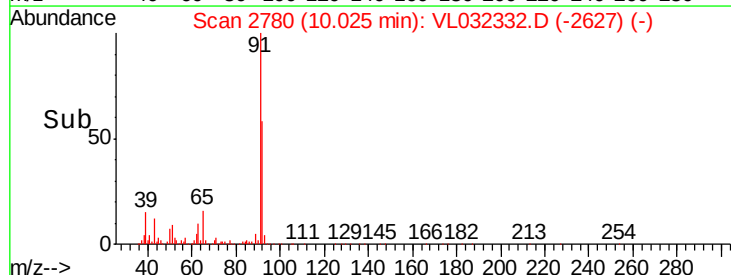
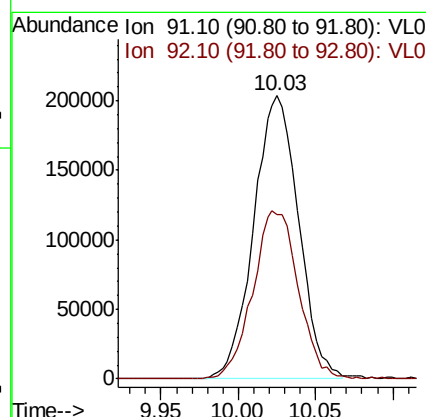
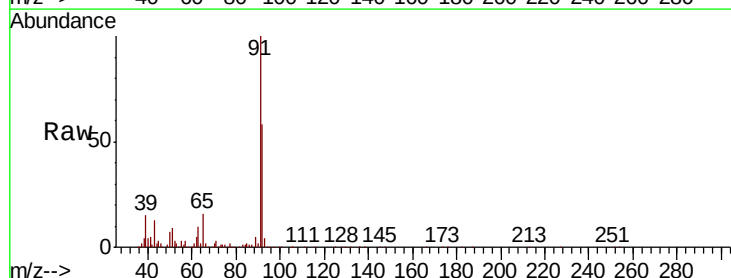
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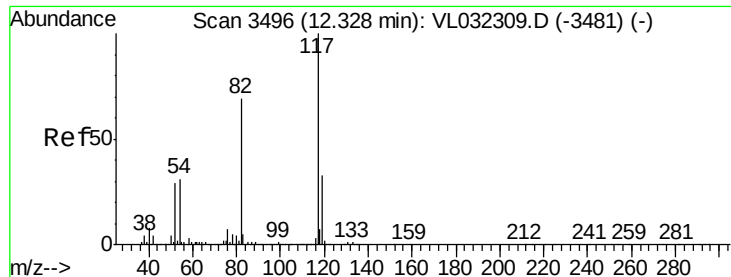
MMDadoda
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#53
 Toluene
 Concen: 0.93 ppbv
 RT: 10.03 min Scan# 2780
 Delta R.T. -0.01 min
 Lab File: VL032332.D
 Acq: 1 Aug 2018 21:14

Tgt Ion	Ratio	Lower	Upper
91	100		
92	60.3	48.6	72.8





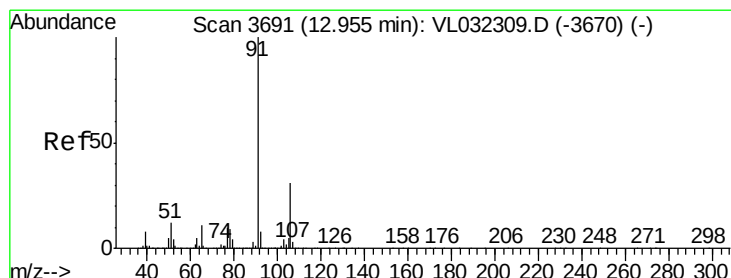
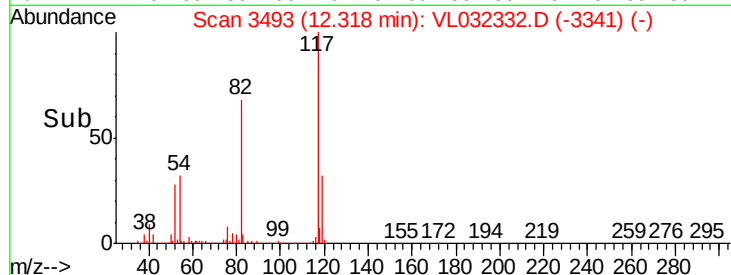
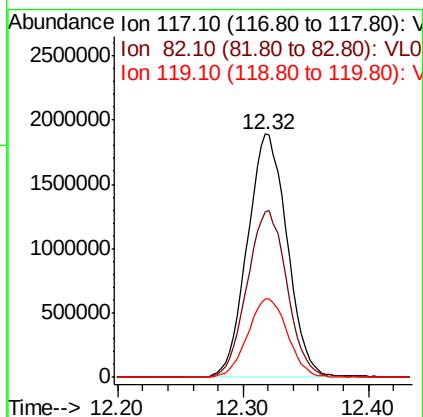
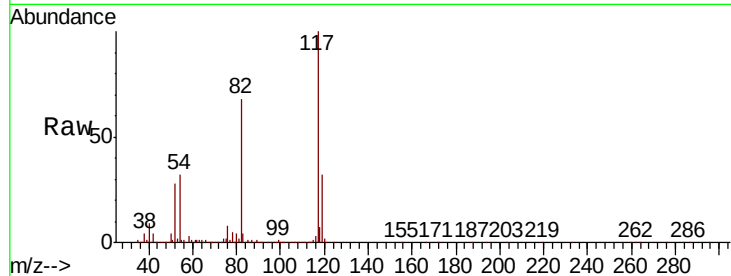
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.32 min Scan# 3493
Delta R.T. -0.01 min
Lab File: VL032332.D
Acq: 1 Aug 2018 21:14

Instrument :
MSVOA_L
ClientSampleId :
MARKETING-CONFERENCE-ROOM

Tot Ion	Ratio	Lower	Upper
117	100		
82	69.3	52.6	78.8
119	32.6	25.7	38.5

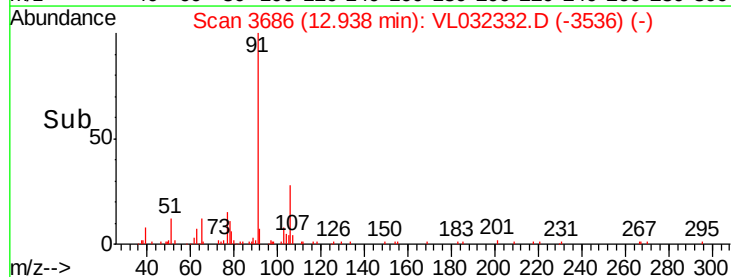
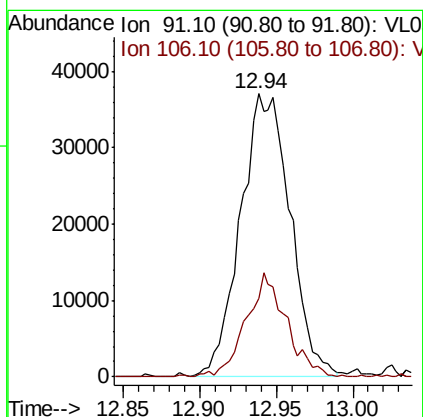
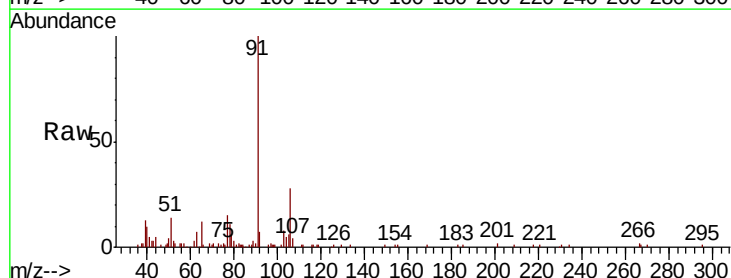
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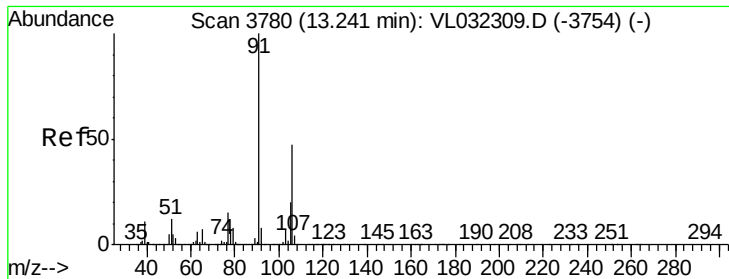
MMDadoda
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#58
Ethyl Benzene
Concen: 0.16 ppbv m
RT: 12.94 min Scan# 3686
Delta R.T. -0.02 min
Lab File: VL032332.D
Acq: 1 Aug 2018 21:14

Tgt Ion	Ratio	Lower	Upper
91	100		
106	27.8	25.0	37.4





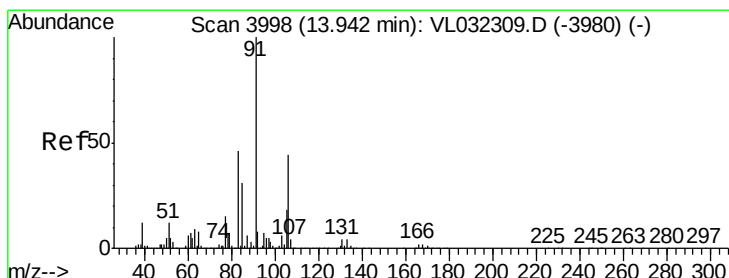
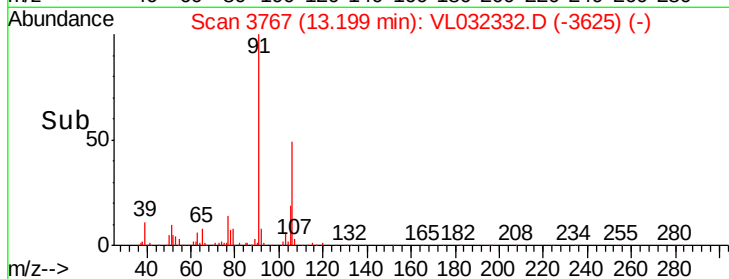
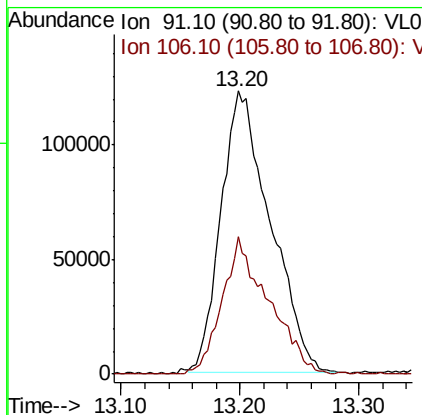
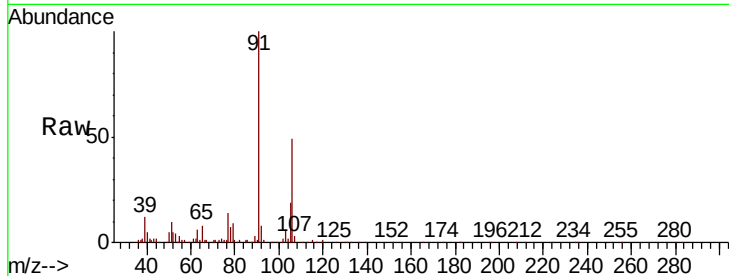
#59
m/p-Xylene
Concen: 0.79 ppbv
RT: 13.20 min Scan# 3767
Delta R.T. -0.04 min
Lab File: VL032332.D
Acq: 1 Aug 2018 21:14

Instrument :
MSVOA_L
ClientSampleId :
MARKETING-CONFERENCE-ROOM

Tot Ion	Ratio	Lower	Upper
91	100		
106	46.0	36.4	54.6

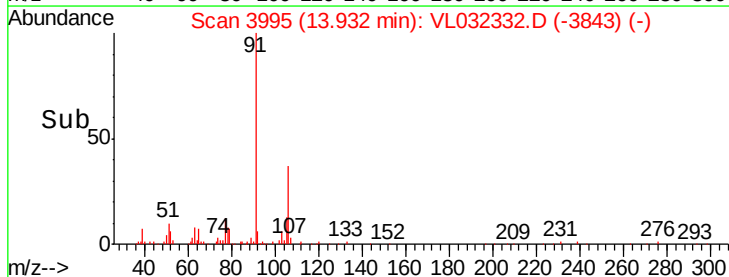
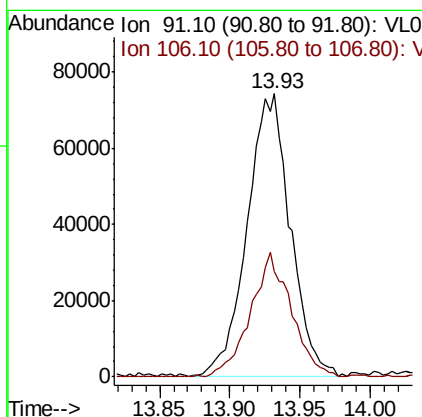
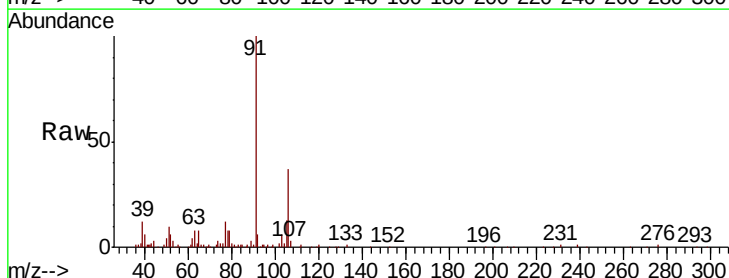
Manual Integrations
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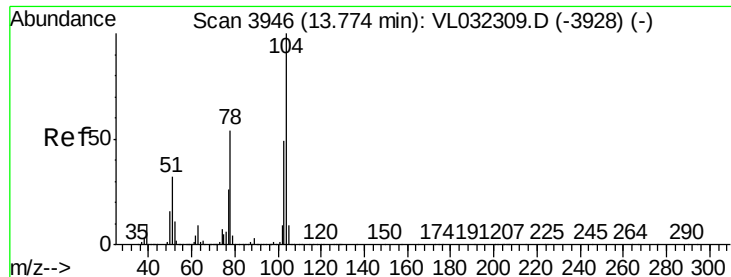
MMDadoda
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#60
o-Xylene
Concen: 0.36 ppbv
RT: 13.93 min Scan# 3995
Delta R.T. -0.01 min
Lab File: VL032332.D
Acq: 1 Aug 2018 21:14

Tgt Ion	Ratio	Lower	Upper
91	100		
106	41.7	22.4	67.0





#61

Stvrene

Concen: 0.15 ppbv

RT: 13.76 min Scan# 3943

Delta R.T. -0.01 min

Lab File: VL032332.D

Acq: 1 Aug 2018 21:14

Instrument :

MSVOA_L

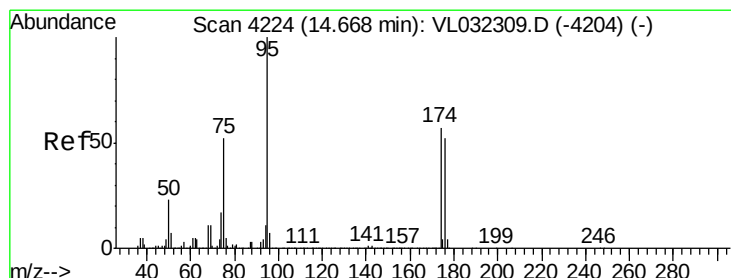
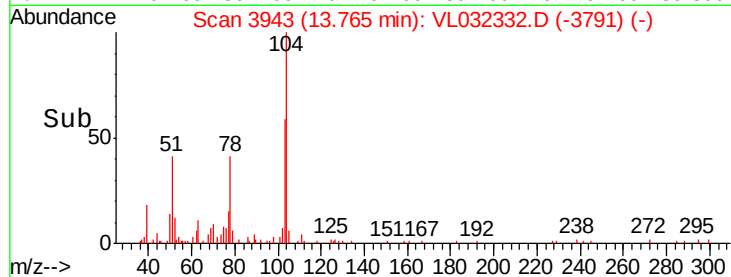
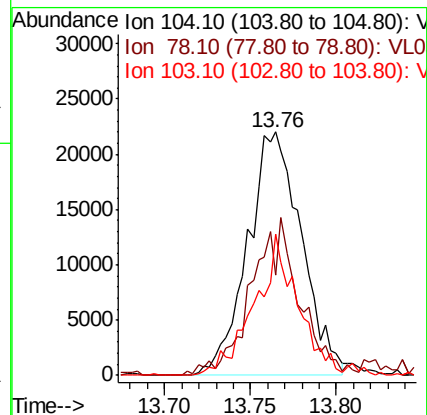
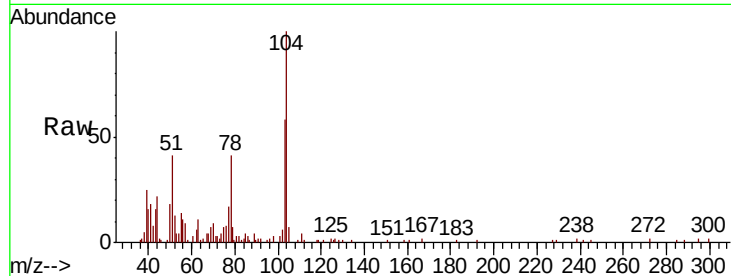
ClientSampleId :

MARKETING-CONFERENCE-ROOM

Tot Ion:	104	Resp:	47921
Ion Ratio	Lower	Upper	
104	100		
78	57.7	42.6	63.8
103	48.1	38.0	57.0

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#68

1-Bromo-4-Fluorobenzene

Concen: 10.32 ppbv

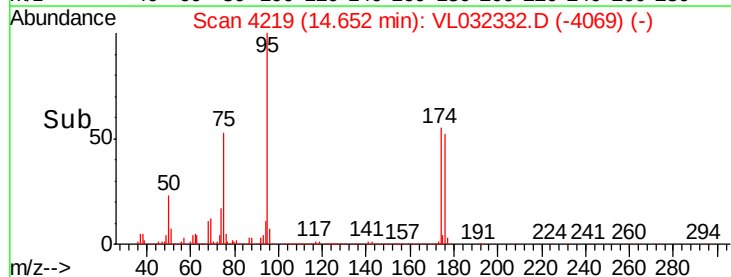
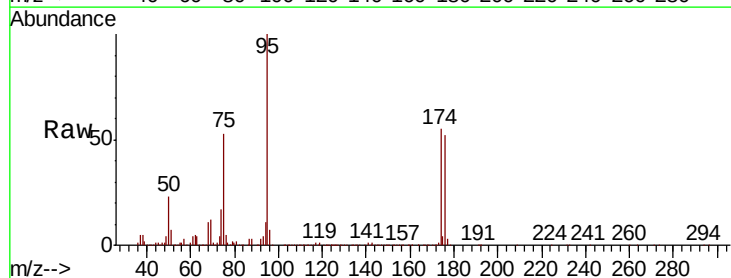
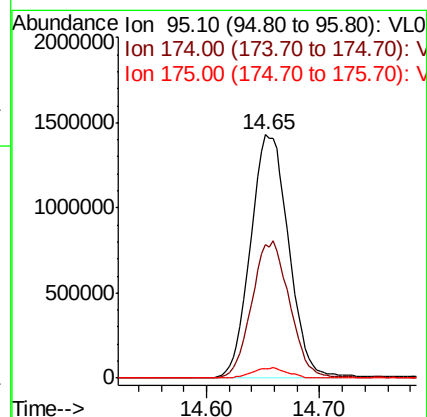
RT: 14.65 min Scan# 4219

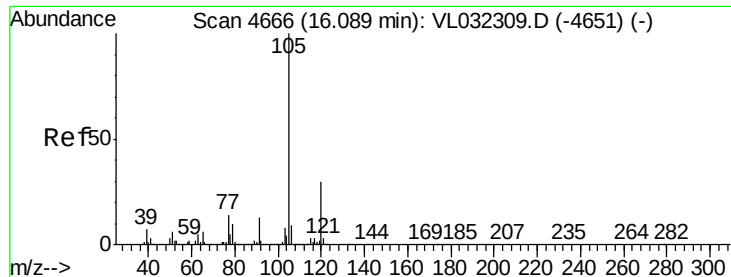
Delta R.T. -0.02 min

Lab File: VL032332.D

Acq: 1 Aug 2018 21:14

Tgt Ion:	95	Resp:	3345765
Ion Ratio	Lower	Upper	
95	100		
174	56.0	45.5	68.3
175	4.0	3.3	4.9





#72

4-Ethyltoluene

Concen: 0.16 ppbv

RT: 16.08 min Scan# 4662

Delta R.T. -0.01 min

Lab File: VL032332.D

Acq: 1 Aug 2018 21:14

Instrument :

MSVOA_L

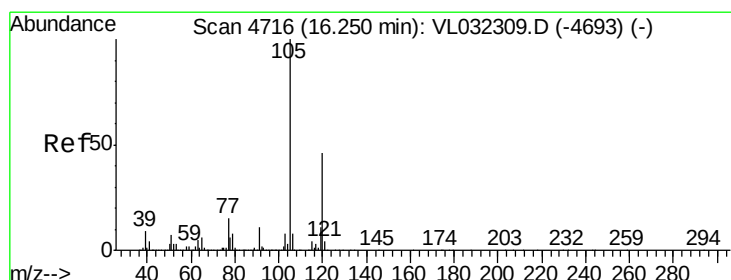
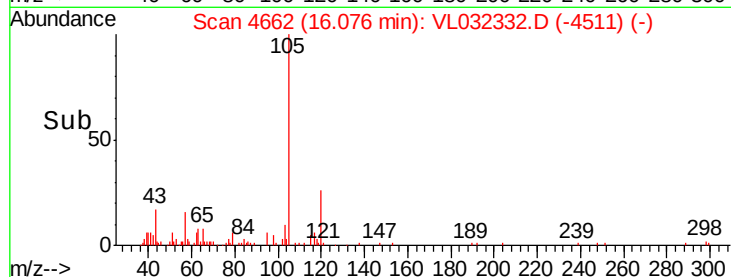
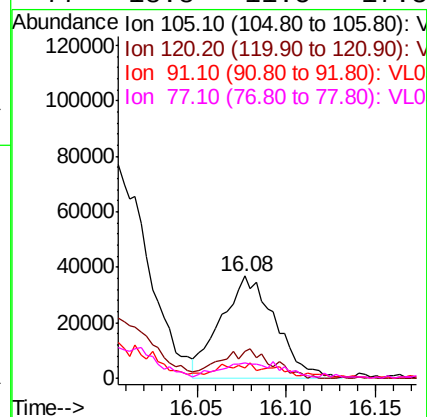
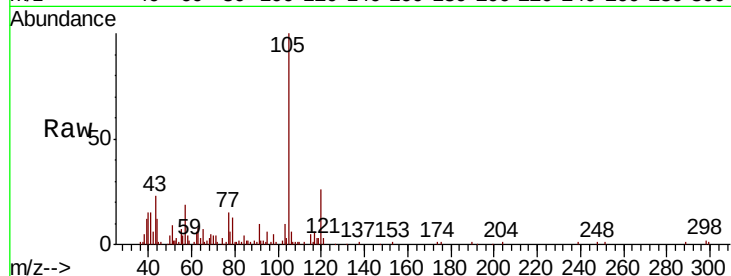
ClientSampleId :

MARKETING-CONFERENCE-ROOM

Tot Ion	Ratio	Resp	Lower	Upper
105	100	77481		
120	26.8	23.1	34.7	
91	16.8	10.0	15.0	
77	18.8	11.5	17.3	

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#73

1,3,5-Trimethylbenzene

Concen: 0.16 ppbv m

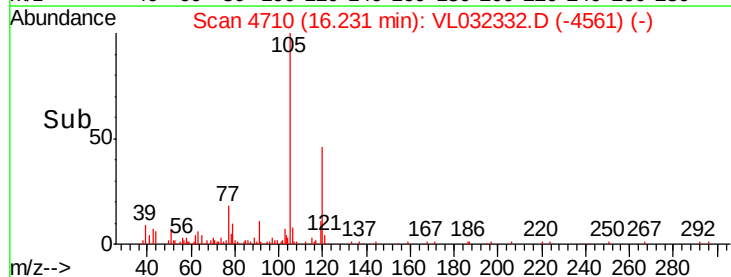
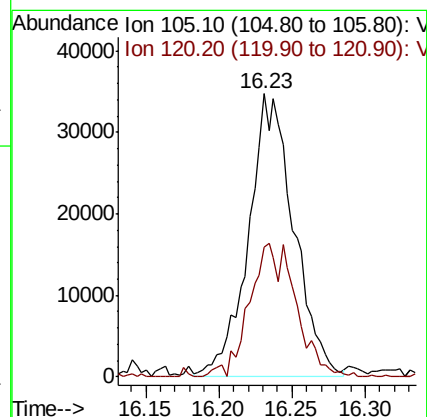
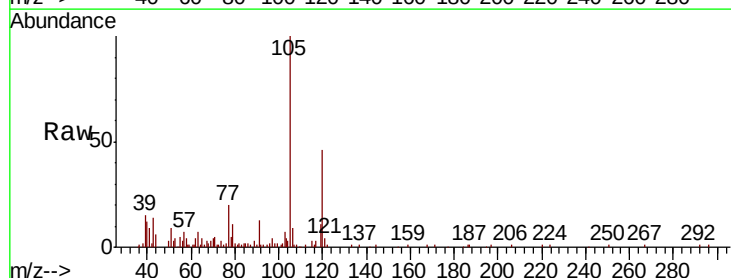
RT: 16.23 min Scan# 4710

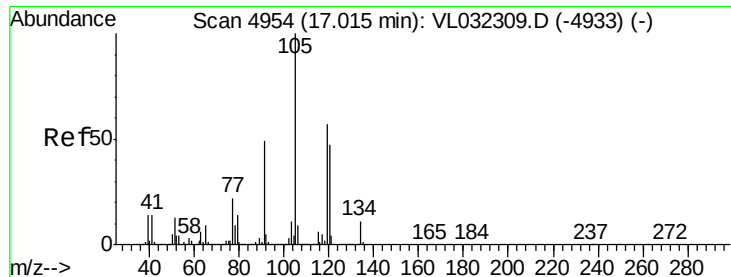
Delta R.T. -0.02 min

Lab File: VL032332.D

Acq: 1 Aug 2018 21:14

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	74858		
120	45.8	36.5	54.7	





#74

1,2,4-Trimethylbenzene

Concen: 0.45 ppbv

RT: 17.01 min Scan# 4951

Delta R.T. -0.01 min

Lab File: VL032332.D

Acq: 1 Aug 2018 21:14

Instrument :

MSVOA_L

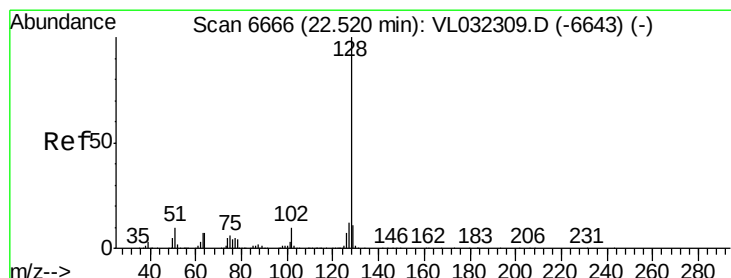
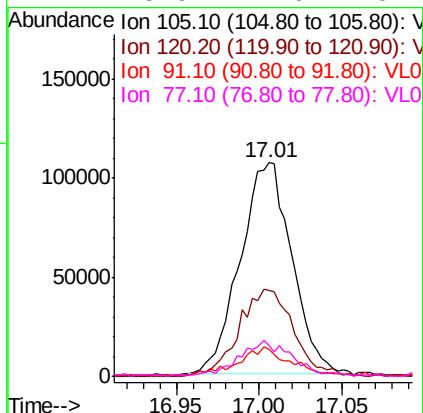
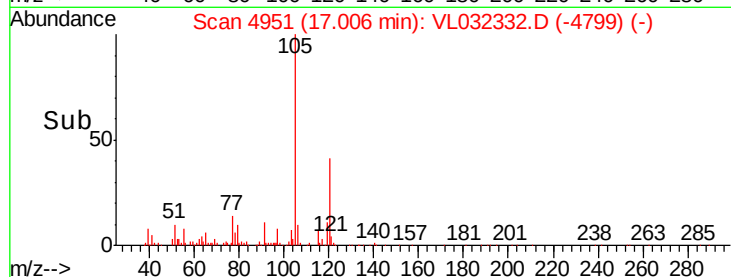
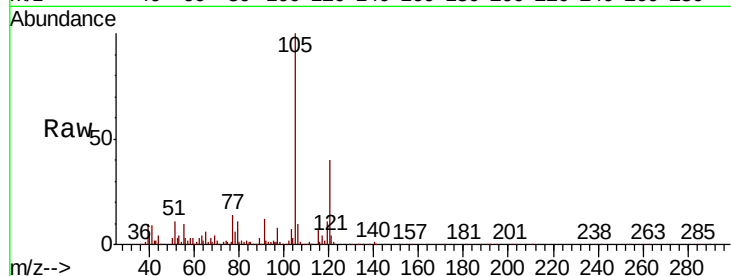
ClientSampleId :

MARKETING-CONFERENCE-ROOM

Tot Ion	Ratio	Resp	Lower	Upper
105	100	231119		
120	40.0	37.8	56.6	
91	11.9	39.4	59.0	
77	13.9	17.6	26.4	

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#79

Naphthalene

Concen: 0.55 ppbv

RT: 22.51 min Scan# 6662

Delta R.T. -0.01 min

Lab File: VL032332.D

Acq: 1 Aug 2018 21:14

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	243771		
127	11.8	9.9	14.9	
129	9.8	8.8	13.2	

