

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081518\
 Data File : VL032363.D
 Acq On : 15 Aug 2018 22:33
 Operator : SY/AP
 Sample : J4457-01DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SS01-MIVIDL

Manual Integrations
 APPROVED

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 8/17/2018 2:06:44 PM

Quant Time: Aug 16 07:15:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081518AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug 15 14:58:02 2018
 QLast Update : Wed Aug 15 14:58:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.82	49	2396134	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.35	114	4615223	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.31	117	4340214	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.64	95	3385910	10.23	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.08	41	22437m	0.24	ppbv	
13) Ethanol	3.69	45	966584	39.62	ppbv	97
15) Acetone	3.95	43	2006901	8.82	ppbv	100
19) Isopropyl Alcohol	4.07	45	991992	6.47	ppbv	100
20) Methylene Chloride	4.46	84	79517	0.92	ppbv	97
26) Hexane	5.83	57	57110	0.26	ppbv #	43
34) 2-Butanone	5.39	43	199779	0.64	ppbv	98
35) Carbon Tetrachloride	7.20	117	34001m	0.12	ppbv	
36) Benzene	7.06	78	62714m	0.16	ppbv	
50) 4-Methyl-2-Pentanone	8.95	43	53254m	0.12	ppbv	
52) Tetrachloroethene	11.44	164	489766	4.24	ppbv	94
53) Toluene	10.01	91	65543m	0.15	ppbv	

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

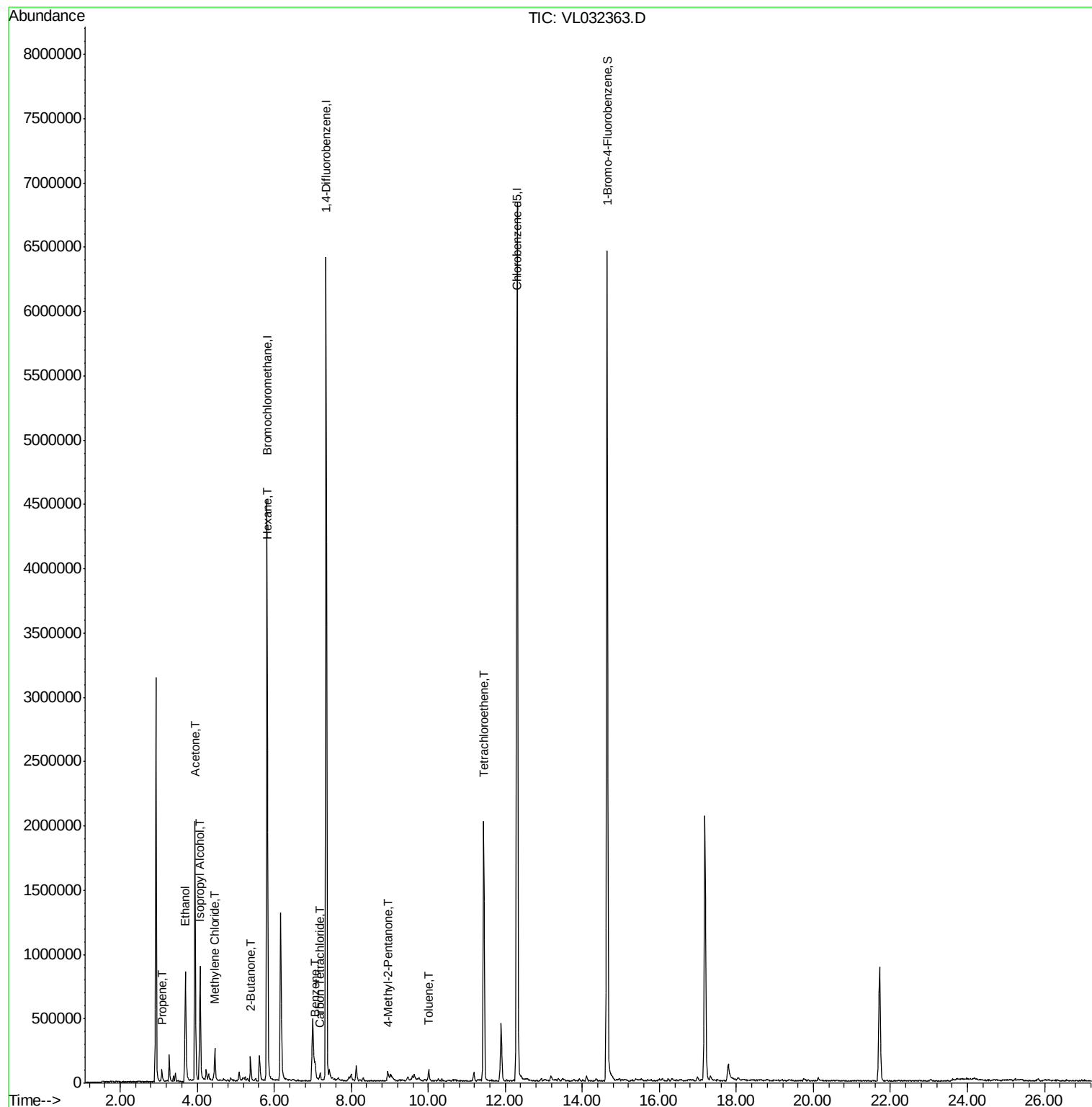
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL081518\
Data File : VL032363.D
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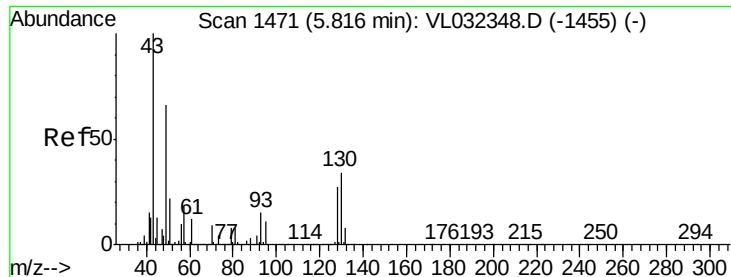
Instrument :
MSVOA_L
ClientSampleId :
SS01-MIVIDL

Manual Integrations
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Quant Time: Aug 16 07:15:59 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL081518AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug
QLast Update : Wed Aug 15 14:58:02 2018
Response via : Initial Calibration





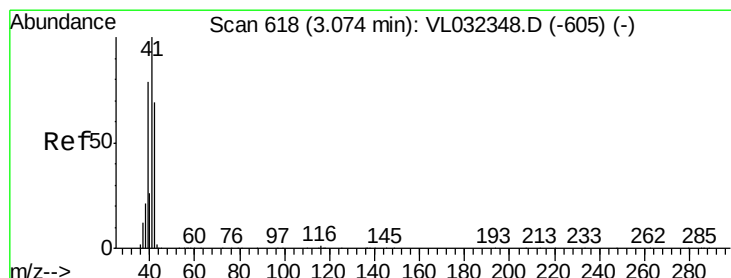
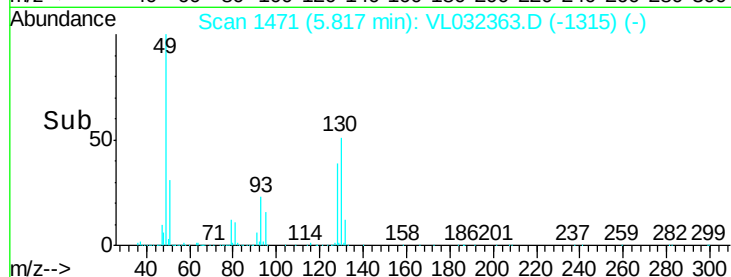
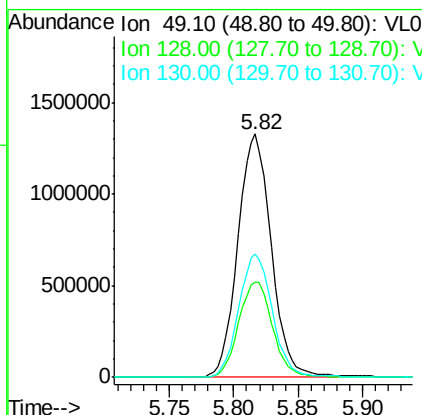
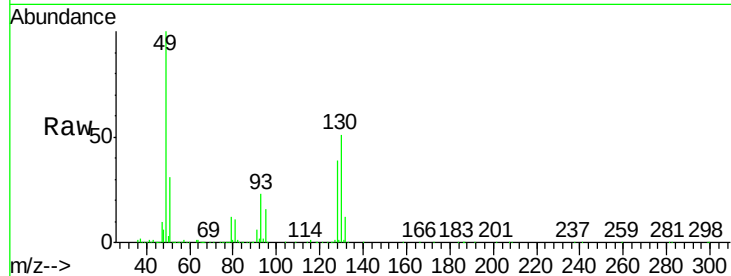
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 5.82 min Scan# 1471
Delta R.T. 0.00 min
Lab File: VL032363.D
Acq: 15 Aug 2018 22:33

Instrument :
MSVOA_L
ClientSampleId :
SS01-MIVIDL

Tot Ion	Ratio	Lower	Upper
49	100		
128	40.4	20.5	61.6
130	51.4	26.2	78.5

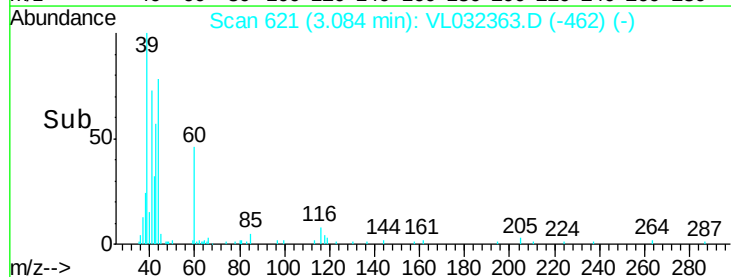
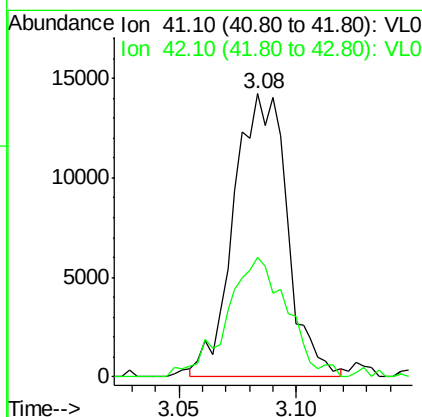
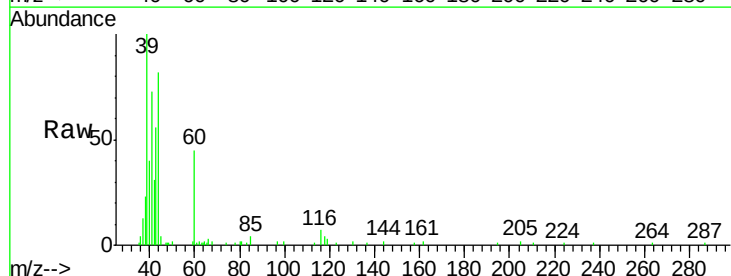
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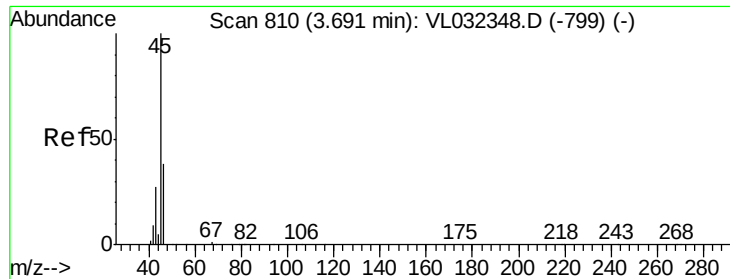
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#9
Propene
Concen: 0.24 ppbv m
RT: 3.08 min Scan# 621
Delta R.T. 0.01 min
Lab File: VL032363.D
Acq: 15 Aug 2018 22:33

Tgt Ion	Ratio	Lower	Upper
41	100		
42	48.3	55.9	83.9#





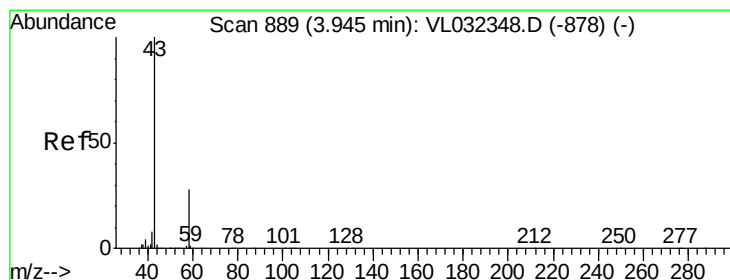
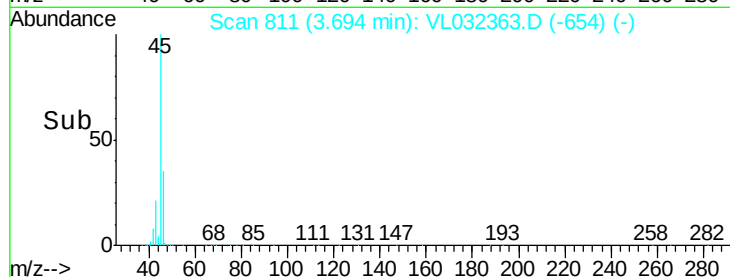
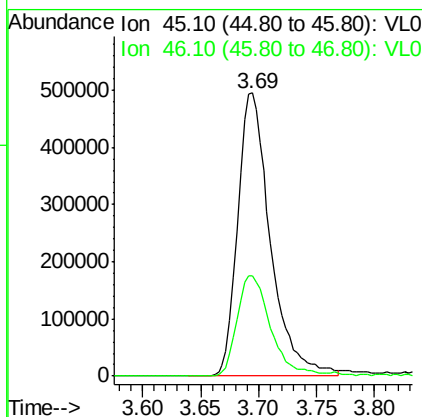
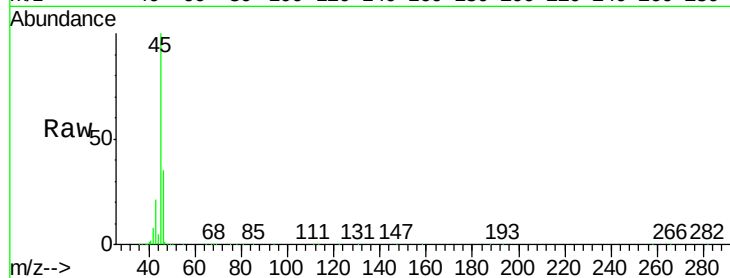
#13
Ethanol
Concen: 39.62 ppbv
RT: 3.69 min Scan# 811
Delta R.T. 0.00 min
Lab File: VL032363.D
Acq: 15 Aug 2018 22:33

Instrument :
MSVOA_L
ClientSampleId :
SS01-MIVIDL

Tot Ion: 45 Resp: 966584
Ion Ratio Lower Upper
45 100
46 37.2 15.6 62.4

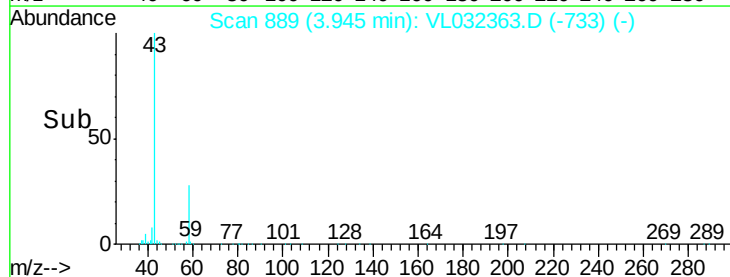
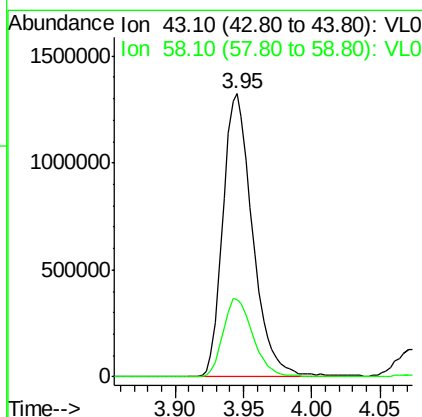
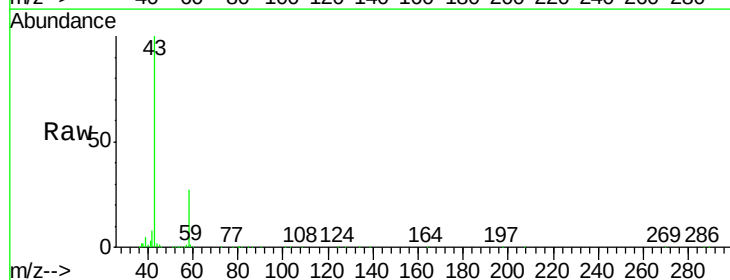
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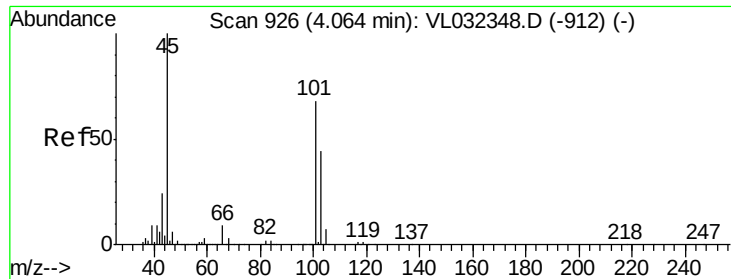
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#15
Acetone
Concen: 8.82 ppbv
RT: 3.95 min Scan# 889
Delta R.T. 0.00 min
Lab File: VL032363.D
Acq: 15 Aug 2018 22:33

Tgt Ion: 43 Resp: 2006901
Ion Ratio Lower Upper
43 100
58 28.1 22.4 33.6





#19

Isopropyl Alcohol

Concen: 6.47 ppbv

RT: 4.07 min Scan# 929

Delta R.T. 0.01 min

Lab File: VL032363.D

Acq: 15 Aug 2018 22:33

Tot Ion	Ratio	Lower	Upper
45	100		
58	1.7	1.4	2.0

Instrument :

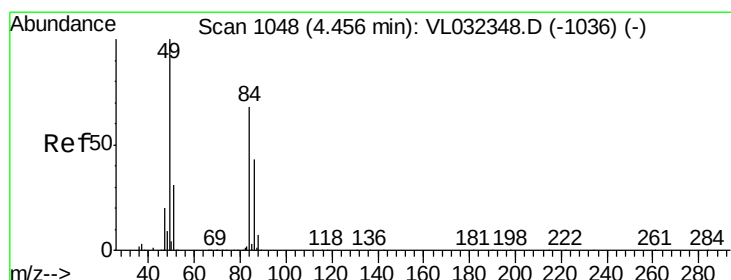
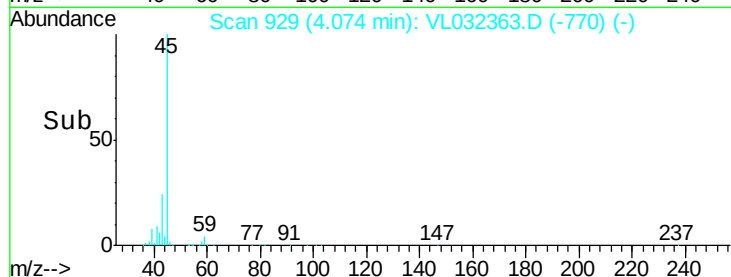
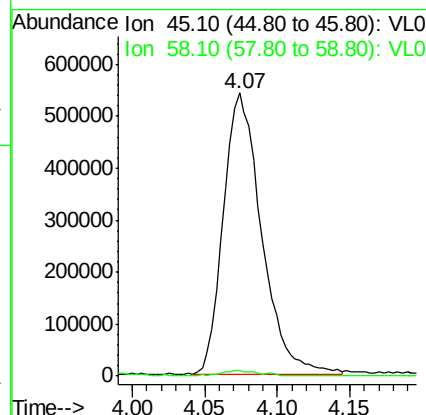
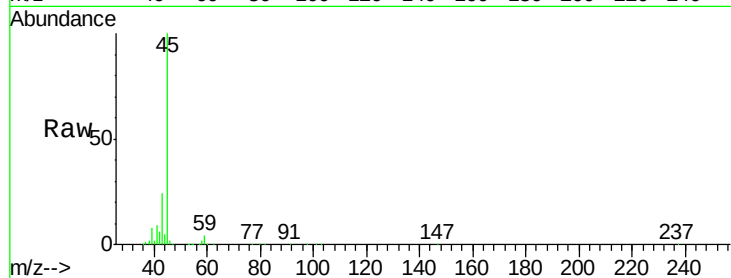
MSVOA_L

ClientSampleId :

SS01-MIVIDL

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#20

Methylene Chloride

Concen: 0.92 ppbv

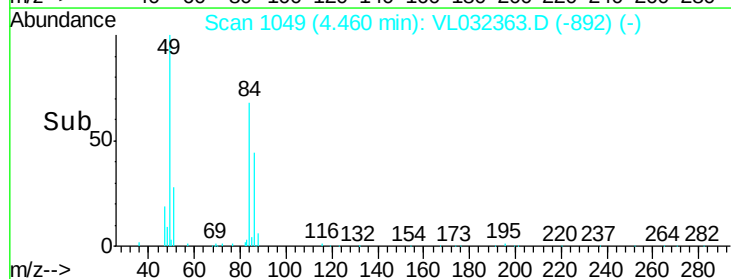
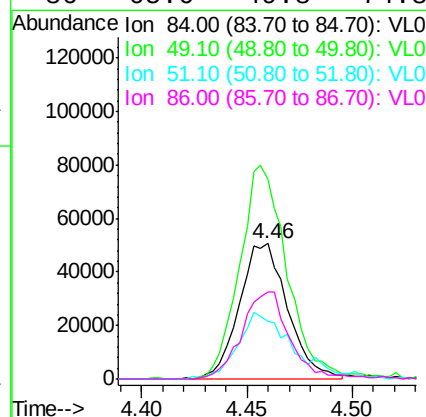
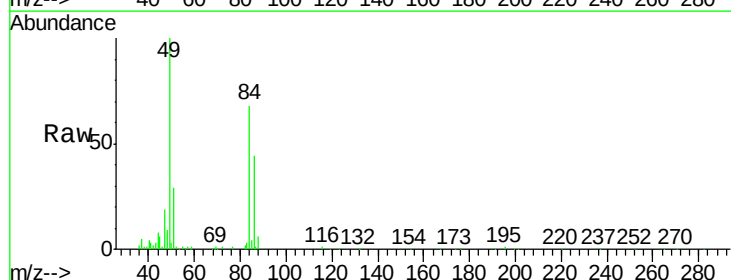
RT: 4.46 min Scan# 1049

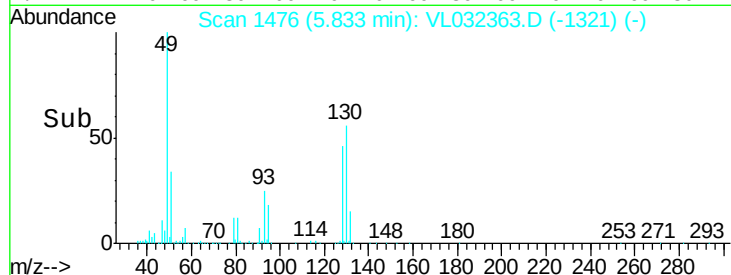
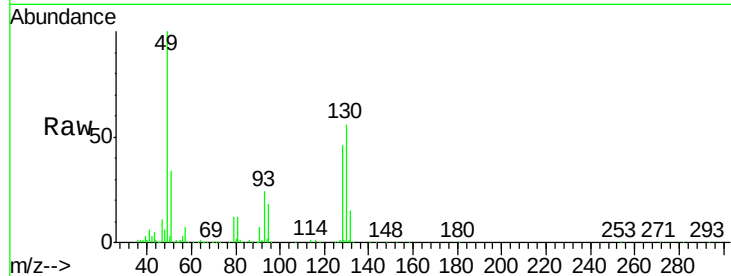
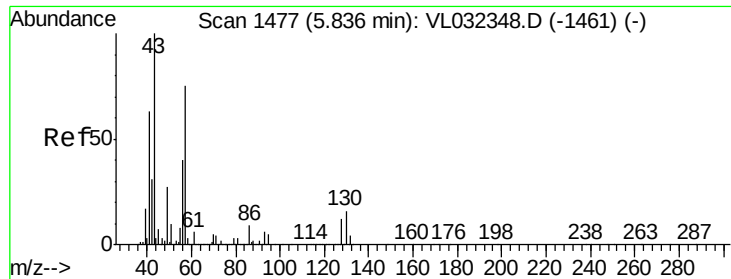
Delta R.T. 0.00 min

Lab File: VL032363.D

Acq: 15 Aug 2018 22:33

Tgt Ion	Ratio	Lower	Upper
84	100		
49	148.2	117.3	175.9
51	41.3	36.6	55.0
86	65.0	49.8	74.8





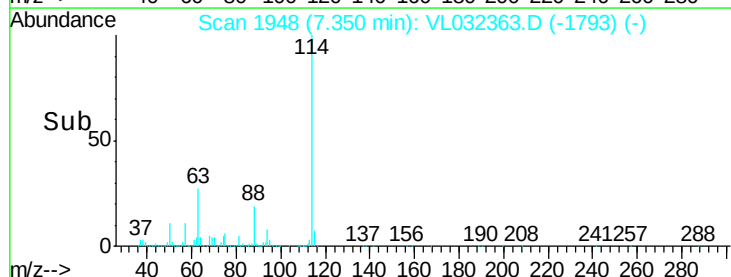
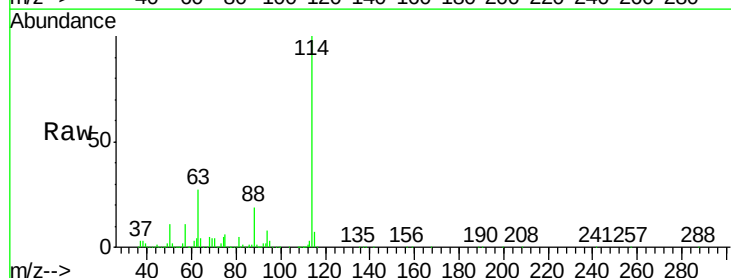
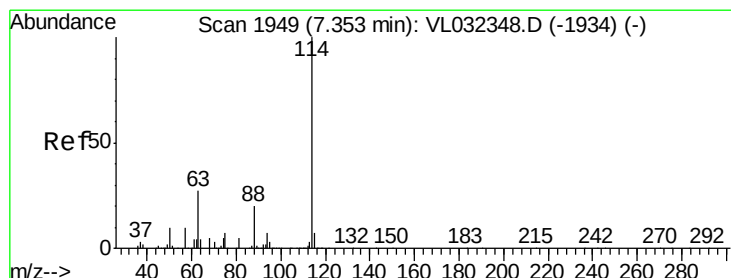
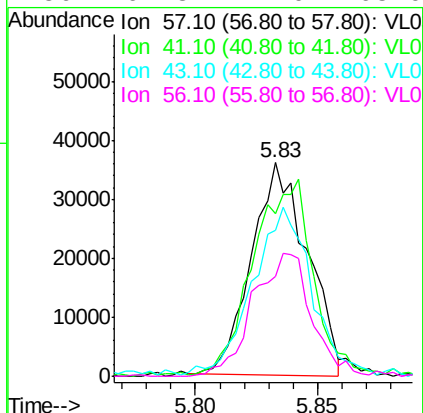
#26
Hexane
Concen: 0.26 ppbv
RT: 5.83 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VL032363.D
Acq: 15 Aug 2018 22:33

Tot Ion	57	Resp	57110
Ion	Ratio	Lower	Upper
57	100		
41	97.3	68.0	102.0
43	82.6	175.3	262.9#
56	61.3	42.0	63.0

Instrument :
MSVOA_L
ClientSampleId :
SS01-MIVIDL

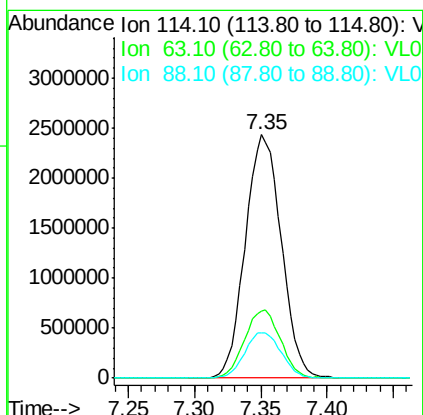
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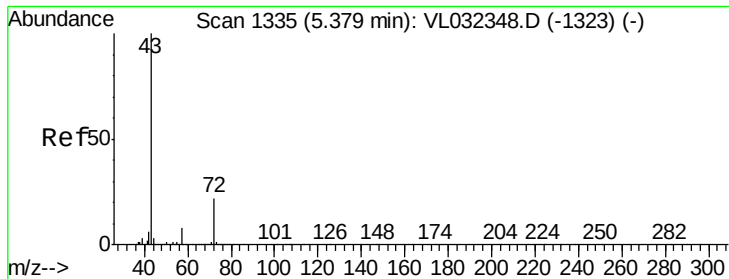
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#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.35 min Scan# 1948
Delta R.T. -0.00 min
Lab File: VL032363.D
Acq: 15 Aug 2018 22:33

Tgt Ion	114	Resp	4615223
Ion	Ratio	Lower	Upper
114	100		
63	28.0	22.0	33.0
88	19.1	15.3	22.9





#34

2-Butanone

Concen: 0.64 ppbv

RT: 5.39 min Scan# 1337

Delta R.T. 0.01 min

Lab File: VL032363.D

Acq: 15 Aug 2018 22:33

Instrument :

MSVOA_L

ClientSampleId :

SS01-MIVIDL

Tot Ion: 43 Resp: 199779

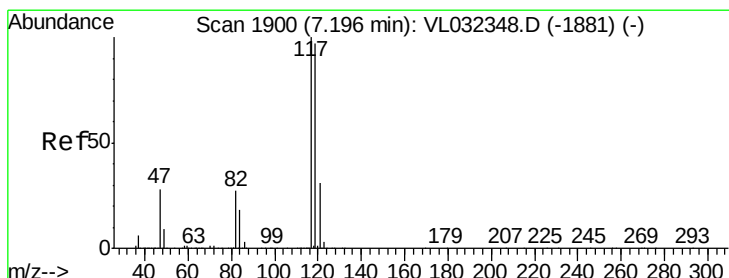
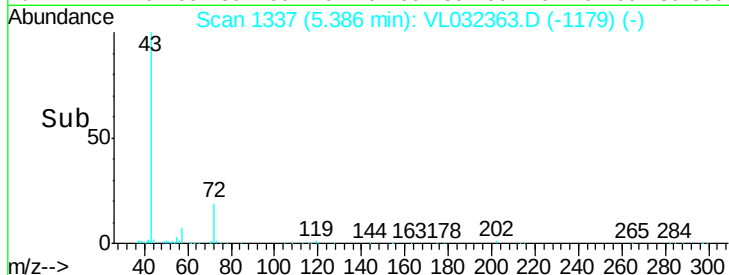
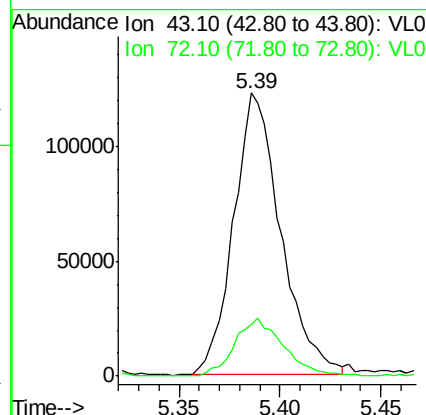
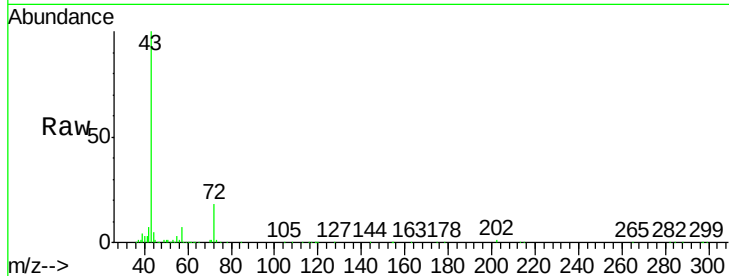
Ion Ratio Lower Upper

43 100

72 21.7 17.9 26.9

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#35

Carbon Tetrachloride

Concen: 0.12 ppbv m

RT: 7.20 min Scan# 1901

Delta R.T. 0.00 min

Lab File: VL032363.D

Acq: 15 Aug 2018 22:33

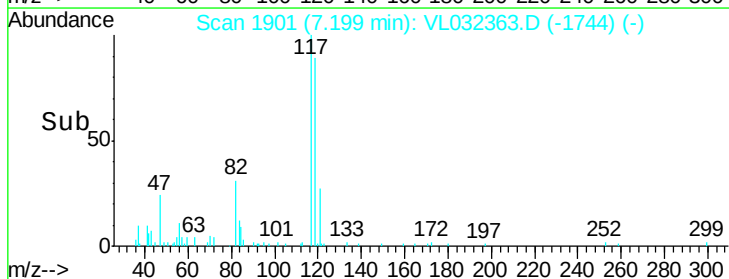
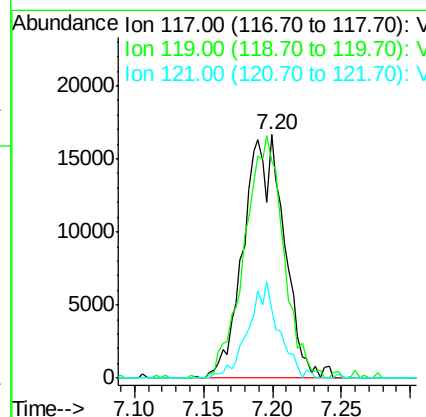
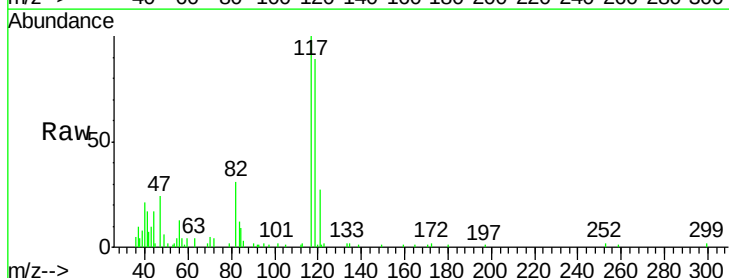
Tgt Ion: 117 Resp: 34001

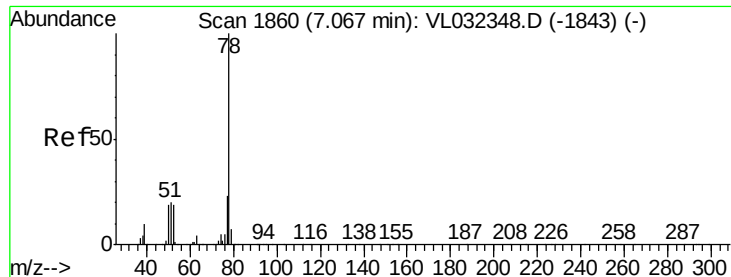
Ion Ratio Lower Upper

117 100

119 88.9 77.2 115.8

121 26.9 25.1 37.7





#36

Benzene

Concen: 0.16 ppbv m

RT: 7.06 min Scan# 1858

Delta R.T. -0.01 min

Lab File: VL032363.D

Acq: 15 Aug 2018 22:33

Instrument :

MSVOA_L

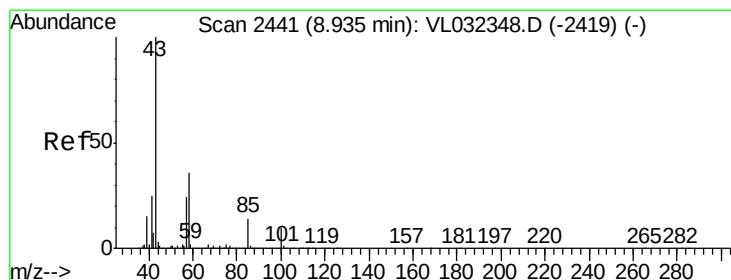
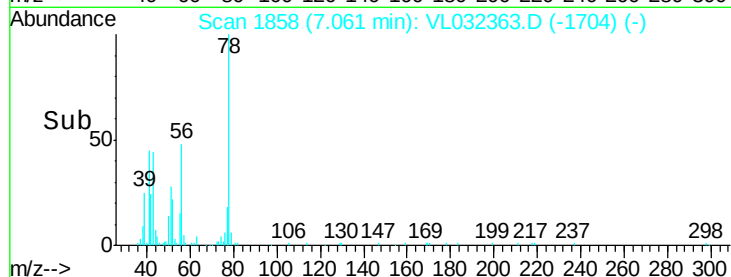
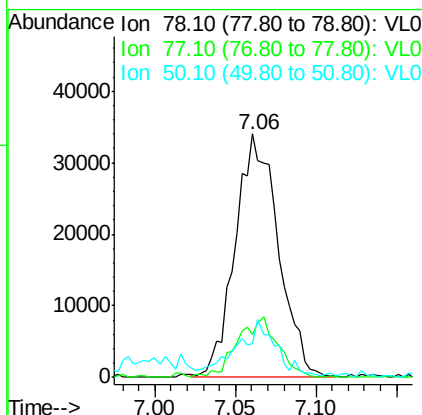
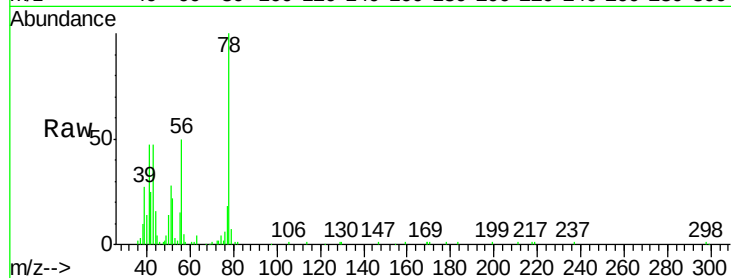
ClientSampleId :

SS01-MIVIDL

Tot Ion:	78	Resp:	62714
Ion	Ratio	Lower	Upper
78	100		
77	17.6	18.0	27.0#
50	13.7	15.1	22.7#

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#50

4-Methyl-2-Pentanone

Concen: 0.12 ppbv m

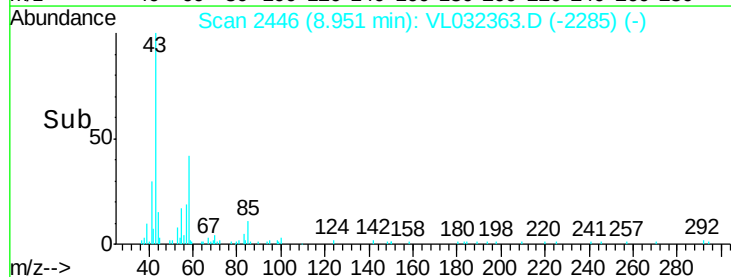
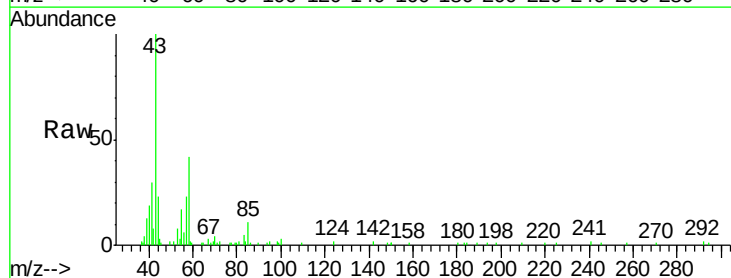
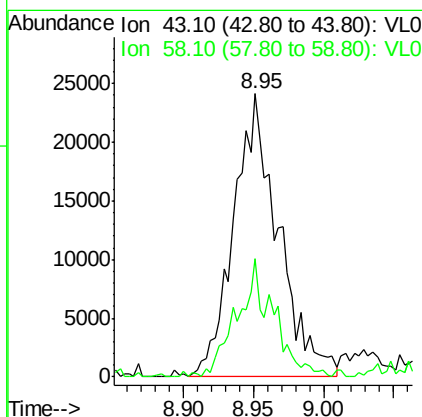
RT: 8.95 min Scan# 2446

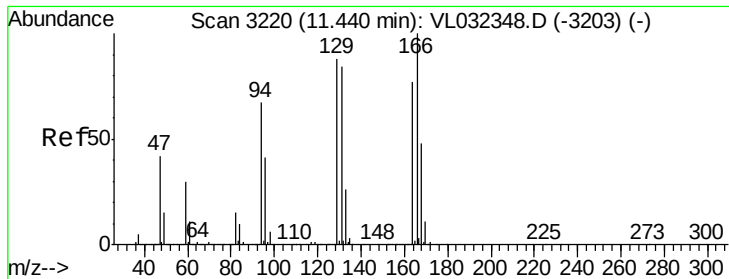
Delta R.T. 0.02 min

Lab File: VL032363.D

Acq: 15 Aug 2018 22:33

Tgt Ion:	43	Resp:	53254
Ion	Ratio	Lower	Upper
43	100		
58	34.4	28.9	43.3





#52

Tetrachloroethene

Concen: 4.24 ppbv

RT: 11.44 min Scan# 3219

Delta R.T. -0.00 min

Lab File: VL032363.D

Acq: 15 Aug 2018 22:33

Instrument :

MSVOA_L

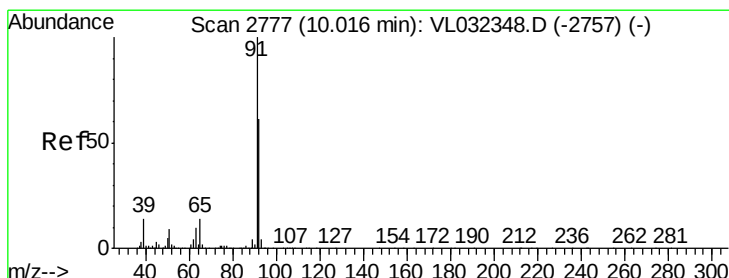
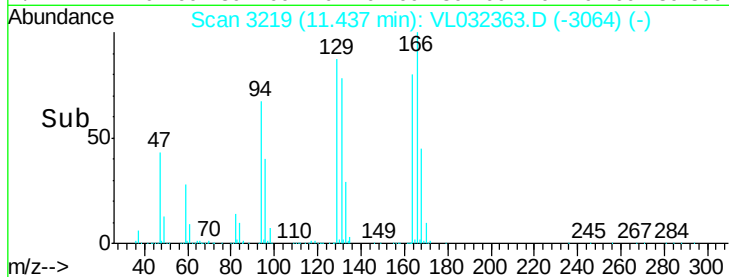
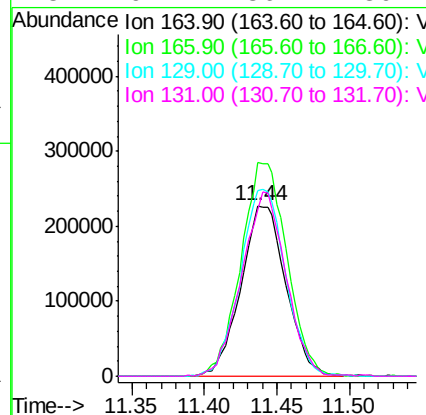
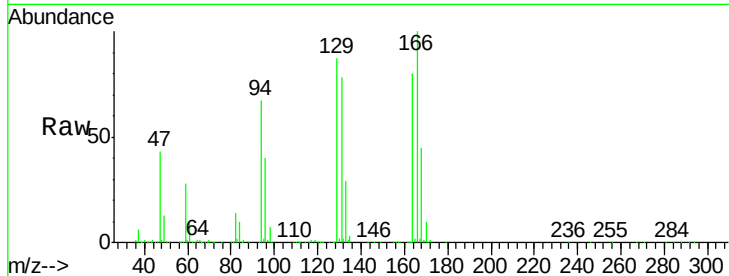
ClientSampleId :

SS01-MIVIDL

Tot Ion:	164	Resp:	489766
Ion Ratio	Lower	Upper	
164	100		
166	124.8	103.5	155.3
129	108.4	90.9	136.3
131	97.2	86.7	130.1

Manual Integrations
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#53

Toluene

Concen: 0.15 ppbv m

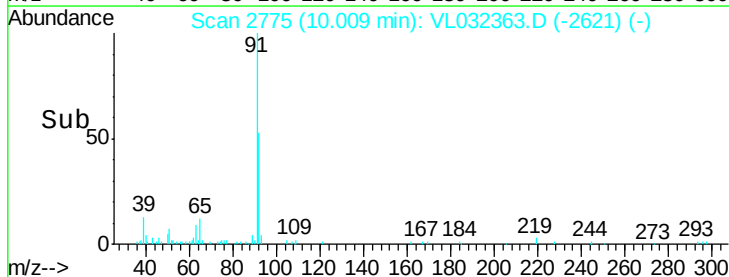
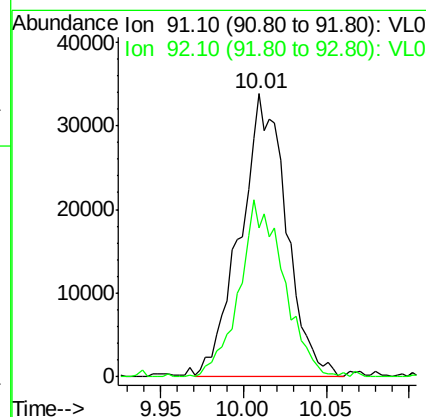
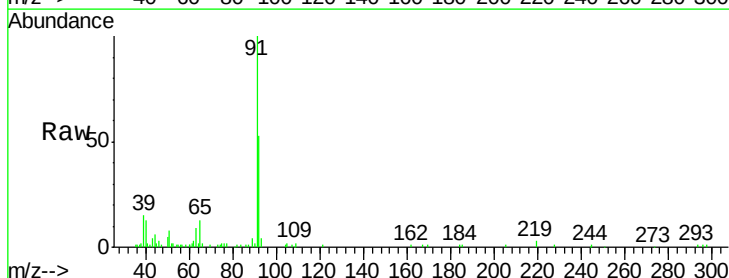
RT: 10.01 min Scan# 2775

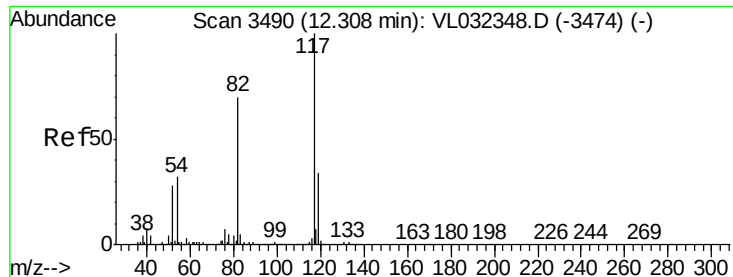
Delta R.T. -0.01 min

Lab File: VL032363.D

Acq: 15 Aug 2018 22:33

Tgt Ion:	91	Resp:	65543
Ion Ratio	Lower	Upper	
91	100		
92	60.5	48.7	73.1





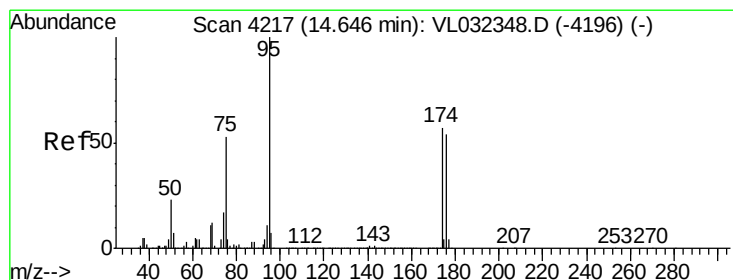
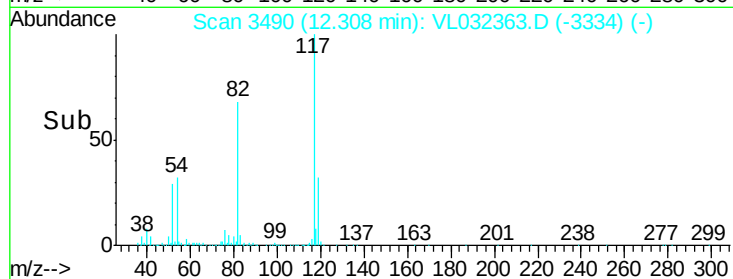
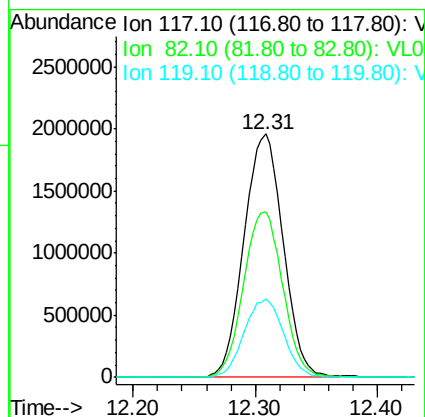
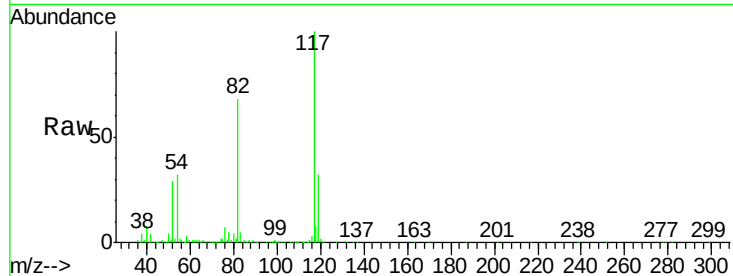
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.31 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VL032363.D
Acq: 15 Aug 2018 22:33

Instrument :
MSVOA_L
ClientSampleId :
SS01-MIVIDL

Tot Ion	Ratio	Lower	Upper
117	100		
82	68.4	55.1	82.7
119	32.4	46.0	69.0#

Manual Integrations
APPROVED

MMDadoda
8/17/2018 2:06:44 PM



#68
1-Bromo-4-Fluorobenzene
Concen: 10.23 ppbv
RT: 14.64 min Scan# 4216
Delta R.T. -0.00 min
Lab File: VL032363.D
Acq: 15 Aug 2018 22:33

Tgt Ion	Ratio	Lower	Upper
95	100		
174	57.3	46.2	69.4
175	4.1	3.4	5.0

