

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090518\
 Data File : VL032461.D
 Acq On : 5 Sep 2018 17:20
 Operator : SY/AP
 Sample : J4805-02DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VP-2DL

Manual Integrations
 APPROVED

MMDadoda
 9/7/2018 10:45:54 AM

Quant Time: Sep 07 08:43:39 2018

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL083118AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 31

QLast Update : Fri Aug 31 21:33:46 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.80	49	1678762	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.34	114	3395612	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.29	117	3324261	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.62	95	2561245	10.38	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.80%

Target Compounds

						Ovalue
4) Chloromethane	3.20	50	23524	0.26	ppbv	89
9) Propene	3.06	41	464071	7.57	ppbv	94
10) Heptane	8.30	43	32635	0.15	ppbv	96
13) Ethanol	3.68	45	228822	11.98	ppbv	97
15) Acetone	3.93	43	595403	3.94	ppbv #	59
17) tert-Butyl alcohol	4.40	59	53249	2.29	ppbv #	100
27) Carbon Disulfide	4.66	76	162176	1.10	ppbv	96
29) Chloroform	5.89	83	173755	0.71	ppbv	99
32) 1,1,1-Trichloroethane	6.66	97	49475	0.22	ppbv	100
34) 2-Butanone	5.36	43	2291653	10.16	ppbv	99
36) Benzene	7.05	78	78973	0.27	ppbv	96
38) Trichloroethene	8.01	130	449135	4.09	ppbv	98
51) 2-Hexanone	10.32	43	348403	1.59	ppbv #	99
53) Toluene	10.00	91	126571	0.42	ppbv	98
79) Naphthalene	22.47	128	544046	1.61	ppbv	99
80) Naphthalene,2-methyl-	25.15	142	108283	1.20	ppbv	97

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

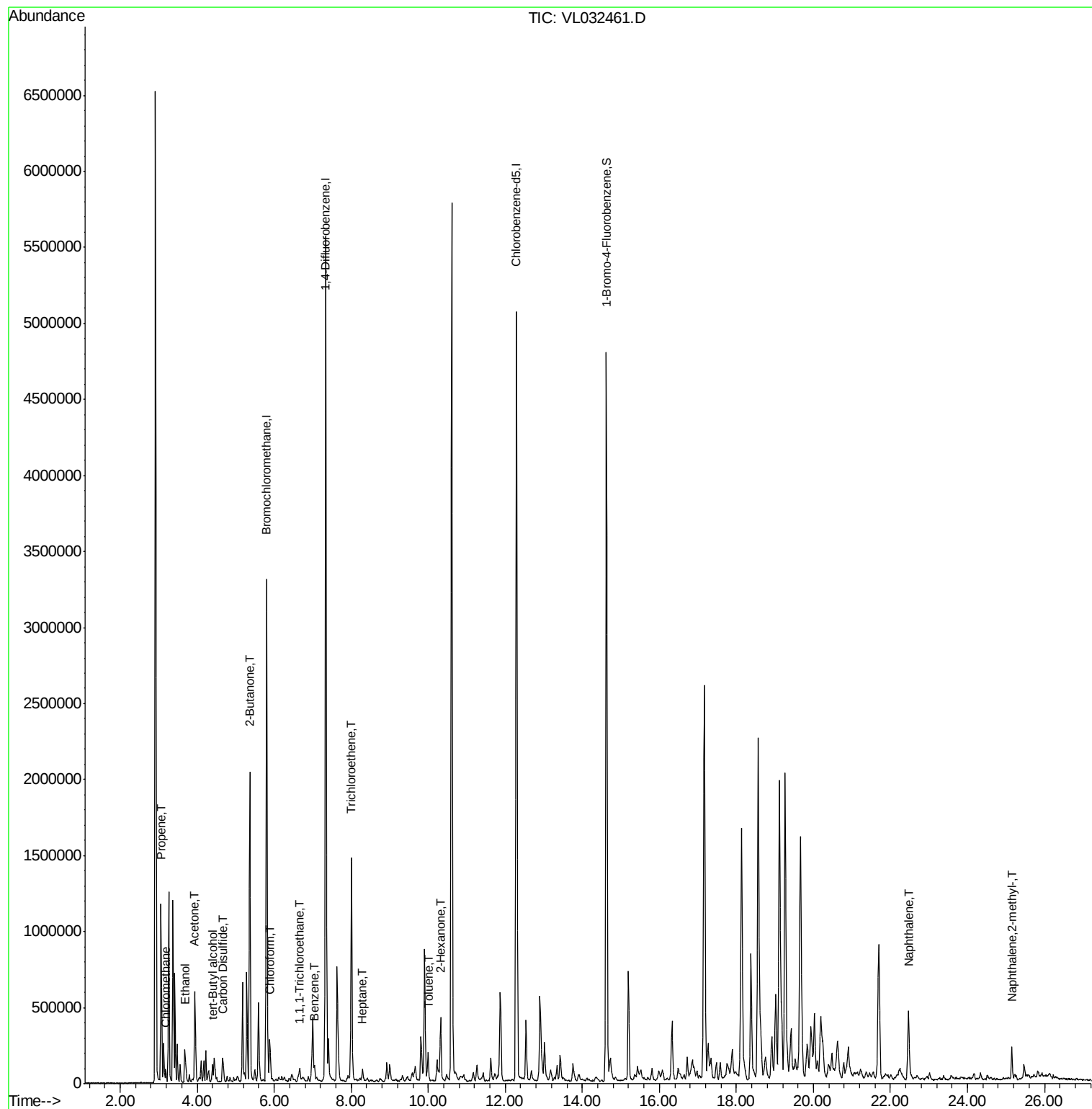
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL090518\
Data File : VL032461.D
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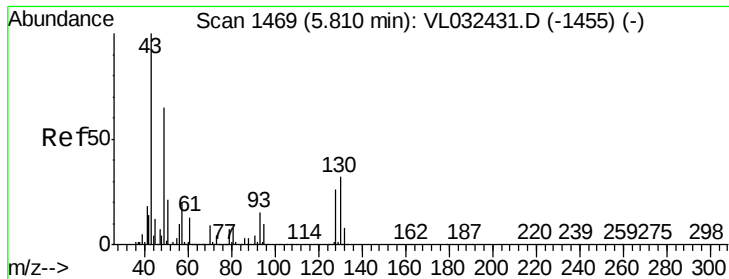
Instrument :
MSVOA_L
ClientSampleId :
VP-2DL

Manual Integrations
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9/7/2018 10:45:54 AM

Quant Time: Sep 07 08:43:39 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL083118AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Aug 31 21:33:46 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.80 min Scan# 1467

Delta R.T. -0.01 min

Lab File: VL032461.D

Acq: 5 Sep 2018 17:20

Instrument :

MSVOA_L

ClientSampleId :

VP-2DL

Tot Ion: 49 Resp: 1678762

Ion Ratio Lower Upper

49 100

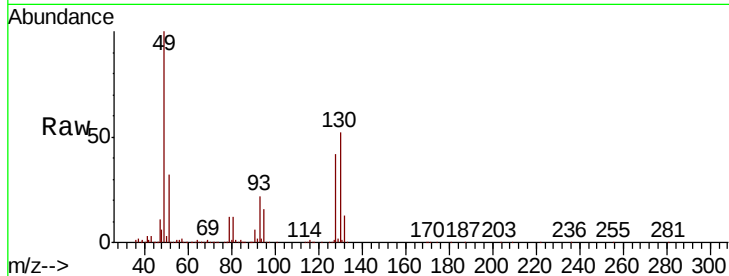
128 41.2 20.7 62.1

130 52.4 26.6 79.7

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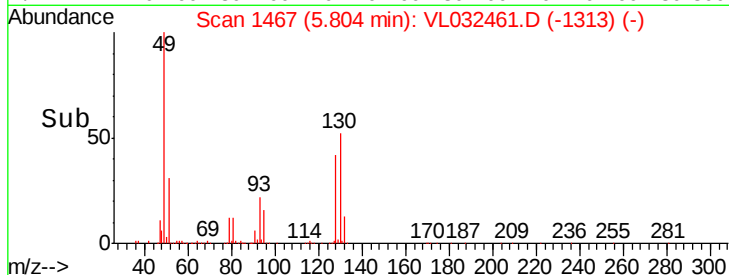


Abundance Ion 49.10 (48.80 to 49.80): VL0

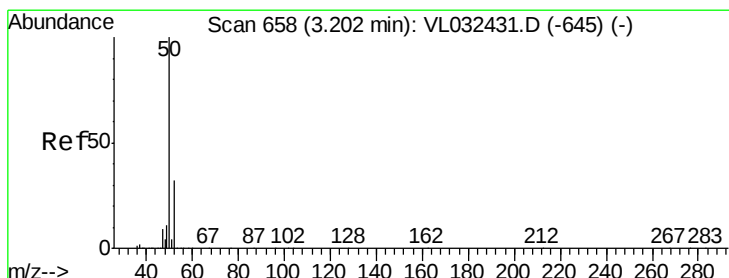
Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V

Time--> 5.70 5.75 5.80 5.85 5.90



Time--> 5.70 5.75 5.80 5.85 5.90



#4

Chloromethane

Concen: 0.26 ppbv

RT: 3.20 min Scan# 657

Delta R.T. -0.00 min

Lab File: VL032461.D

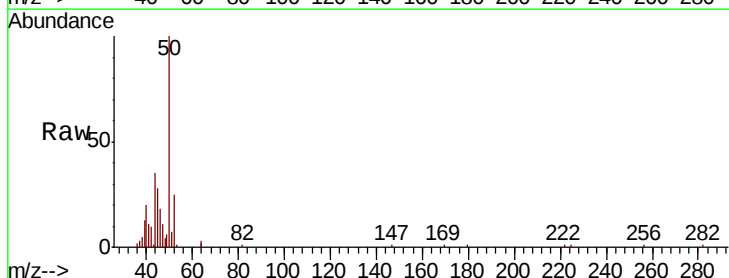
Acq: 5 Sep 2018 17:20

Tgt Ion: 50 Resp: 23524

Ion Ratio Lower Upper

50 100

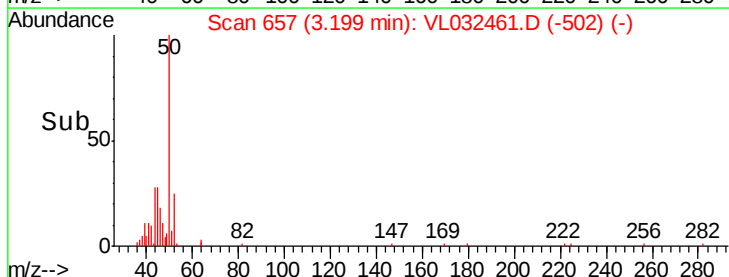
52 26.0 25.6 38.4



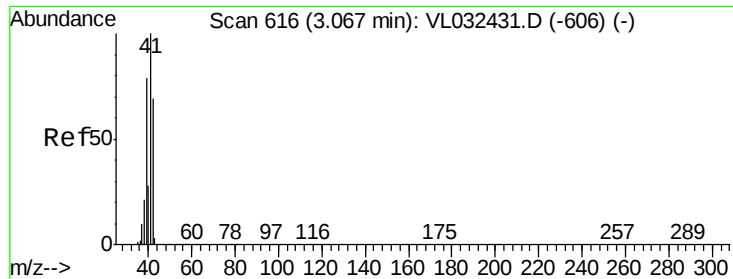
Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

Time--> 3.15 3.20



Time--> 3.15 3.20



#9

Propene

Concen: 7.57 ppbv

RT: 3.06 min Scan# 615

Delta R.T. -0.00 min

Lab File: VL032461.D

Acq: 5 Sep 2018 17:20

Instrument :

MSVOA_L

ClientSampled :

VP-2DL

Tot Ion: 41 Resp: 464071

Ion Ratio Lower Upper

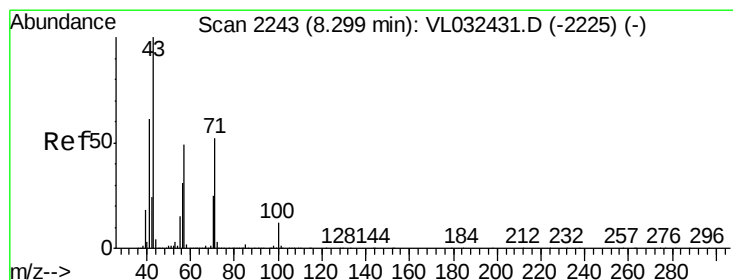
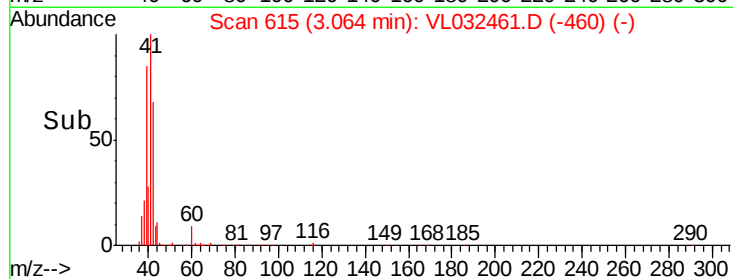
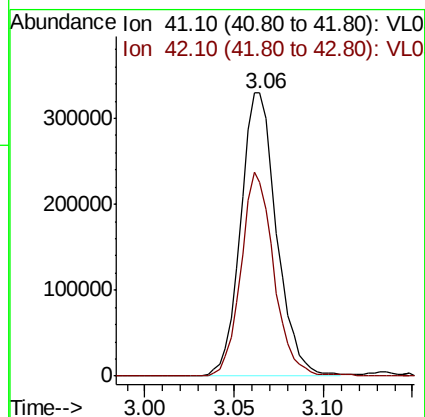
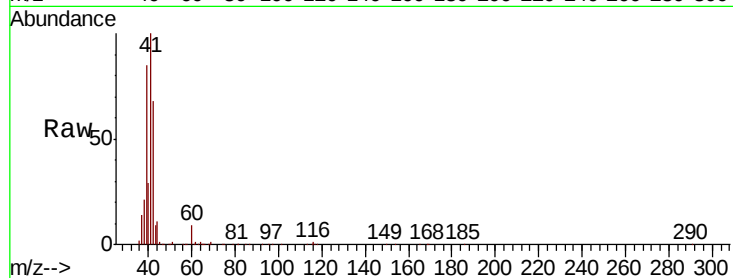
41 100

42 66.1 56.6 84.8

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#10

Heptane

Concen: 0.15 ppbv

RT: 8.30 min Scan# 2242

Delta R.T. -0.00 min

Lab File: VL032461.D

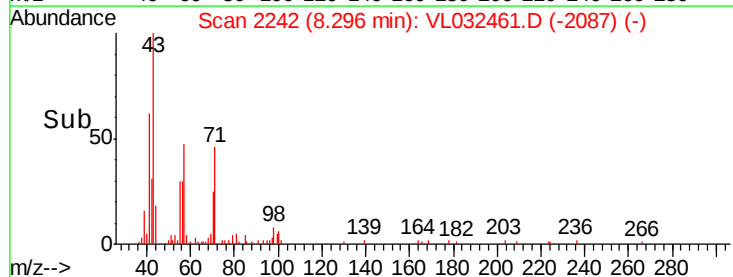
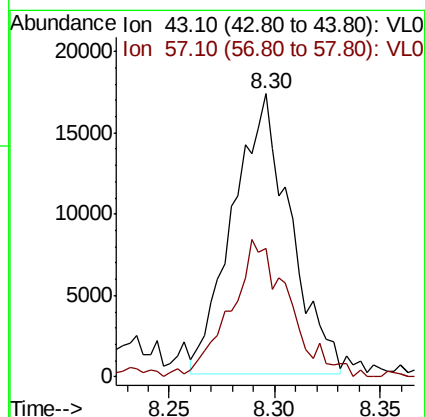
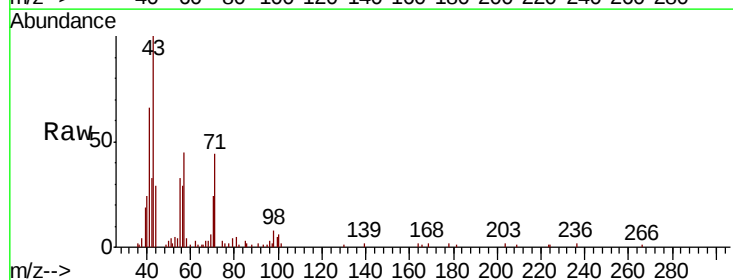
Acq: 5 Sep 2018 17:20

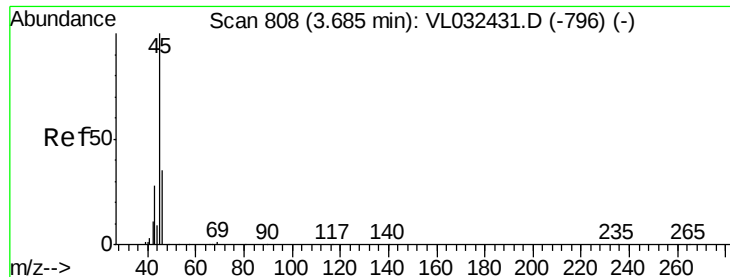
Tgt Ion: 43 Resp: 32635

Ion Ratio Lower Upper

43 100

57 52.3 39.6 59.4





#13

Ethanol

Concen: 11.98 ppbv

RT: 3.68 min Scan# 807

Delta R.T. -0.00 min

Lab File: VL032461.D

Acq: 5 Sep 2018 17:20

Instrument :

MSVOA_L

ClientSampleId :

VP-2DL

Tot Ion: 45 Resp: 228822

Ion Ratio Lower Upper

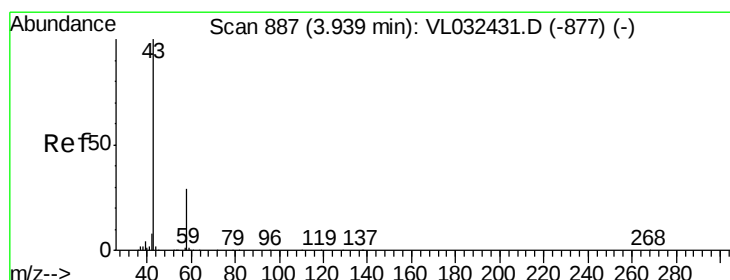
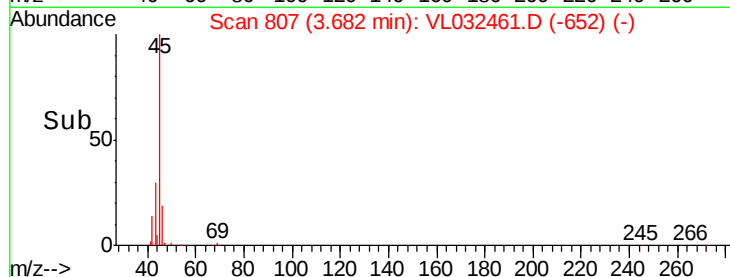
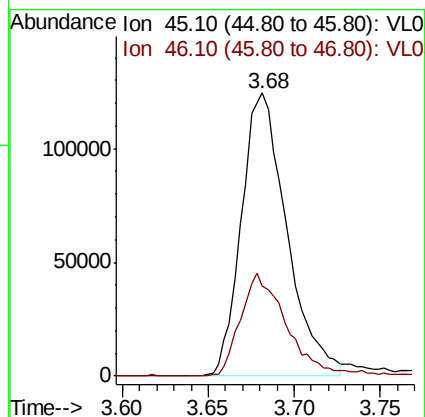
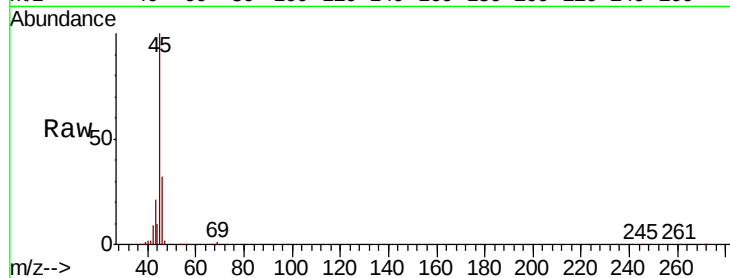
45 100

46 37.5 14.2 56.8

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#15

Acetone

Concen: 3.94 ppbv

RT: 3.93 min Scan# 885

Delta R.T. -0.01 min

Lab File: VL032461.D

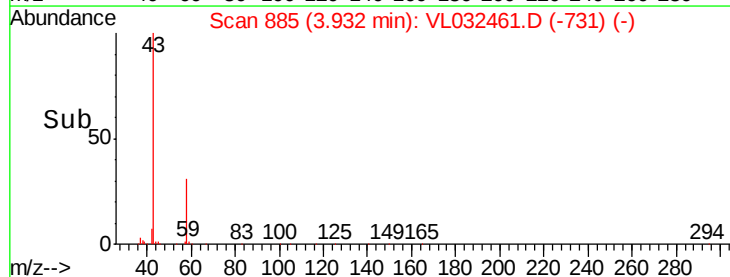
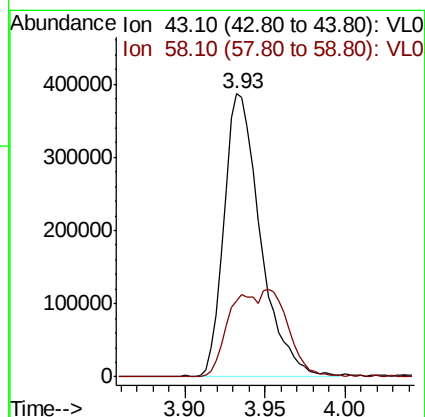
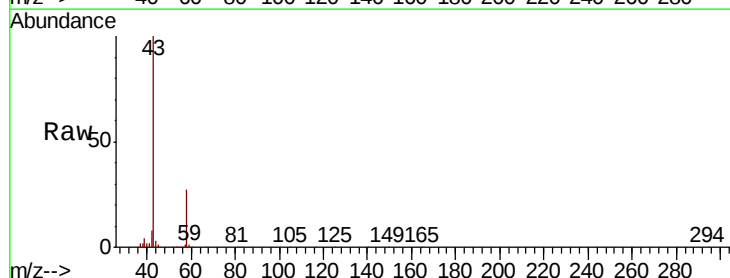
Acq: 5 Sep 2018 17:20

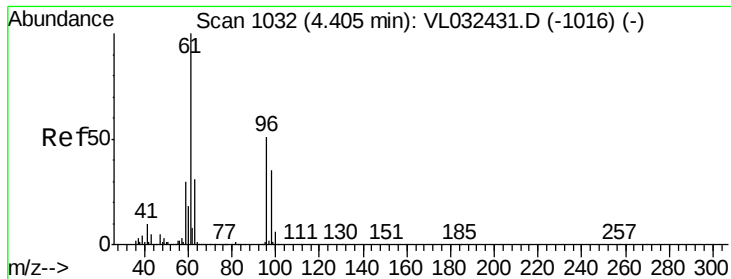
Tgt Ion: 43 Resp: 595403

Ion Ratio Lower Upper

43 100

58 49.7 22.6 33.8#





#17

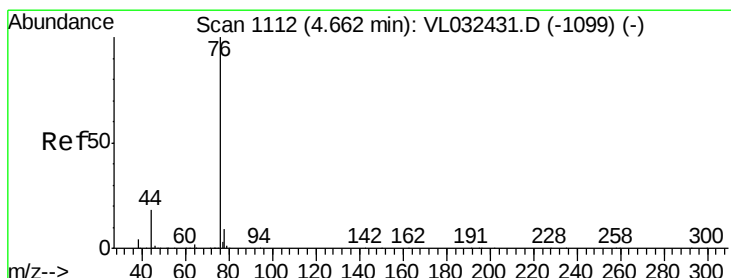
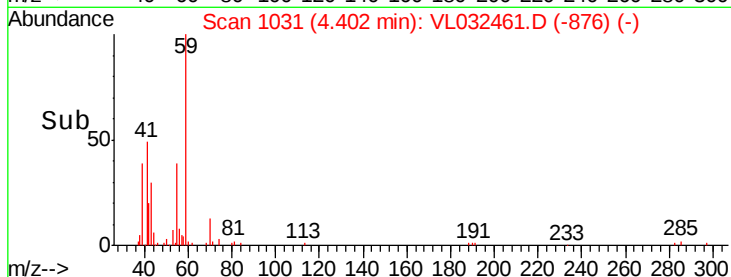
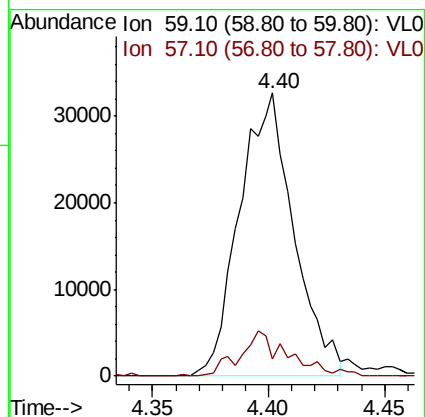
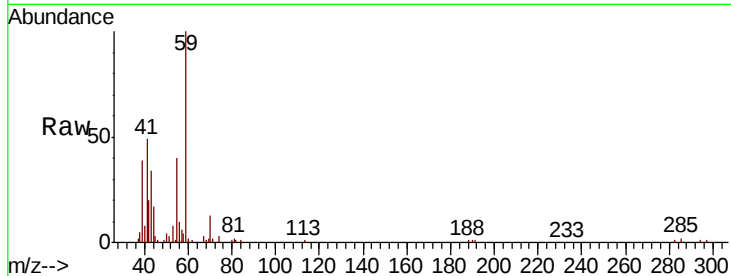
tert-Butyl alcohol
 Concen: 2.29 ppbv
 RT: 4.40 min Scan# 1031
 Delta R.T. -0.00 min
 Lab File: VL032461.D
 Acq: 5 Sep 2018 17:20

Instrument :
 MSVOA_L
 ClientSampled :
 VP-2DL

Tot Ion	59	Resp	53249
Ion	Ratio	Lower	Upper
59	100		
57	14.2	0.0	0.0#

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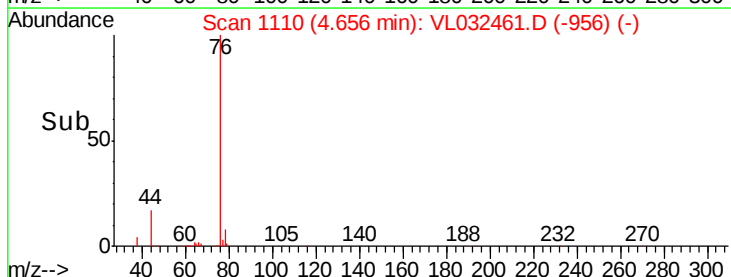
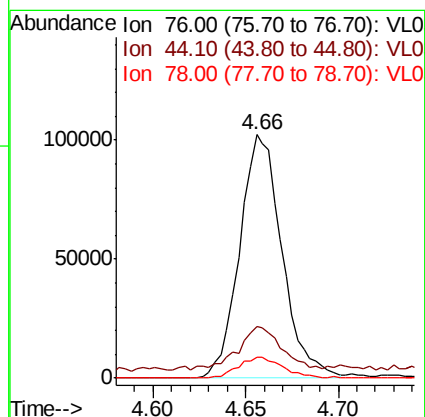
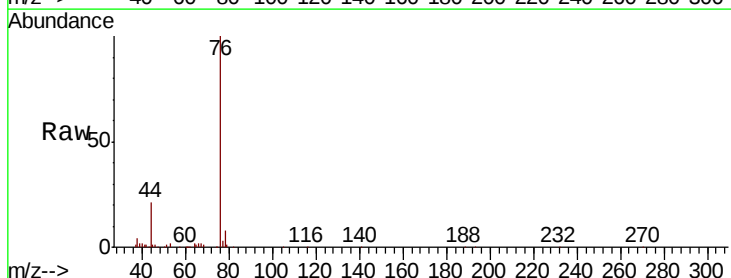
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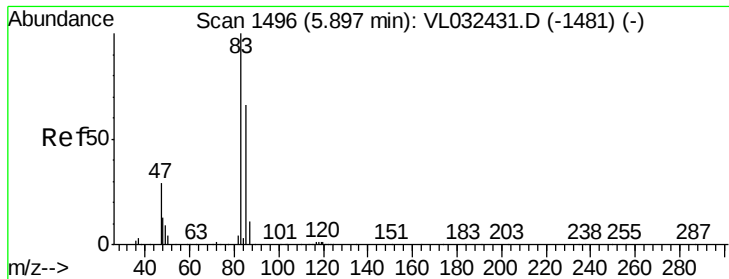


#27

Carbon Disulfide
 Concen: 1.10 ppbv
 RT: 4.66 min Scan# 1110
 Delta R.T. -0.01 min
 Lab File: VL032461.D
 Acq: 5 Sep 2018 17:20

Tgt Ion	76	Resp	162176
Ion	Ratio	Lower	Upper
76	100		
44	19.8	14.0	21.0
78	9.3	7.5	11.3





#29

Chloroform

Concen: 0.71 ppbv

RT: 5.89 min Scan# 1493

Delta R.T. -0.01 min

Lab File: VL032461.D

Acq: 5 Sep 2018 17:20

Instrument :

MSVOA_L

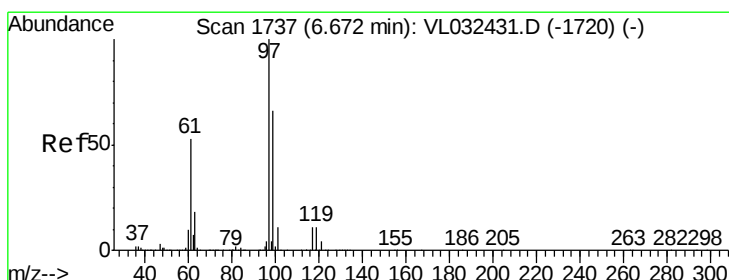
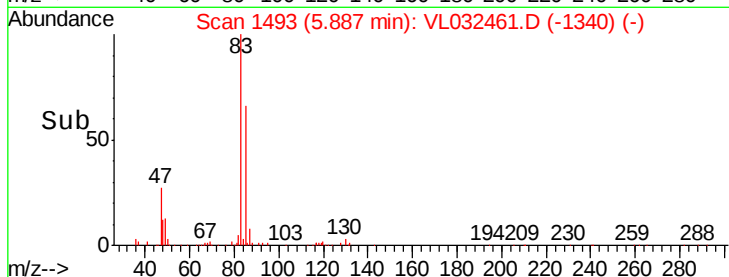
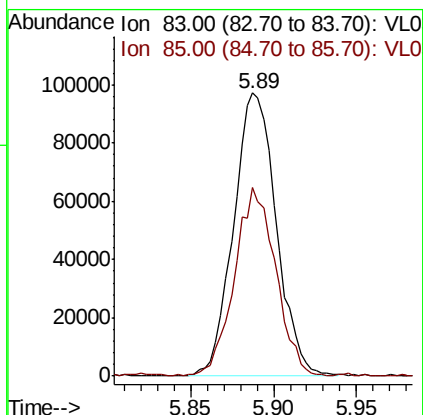
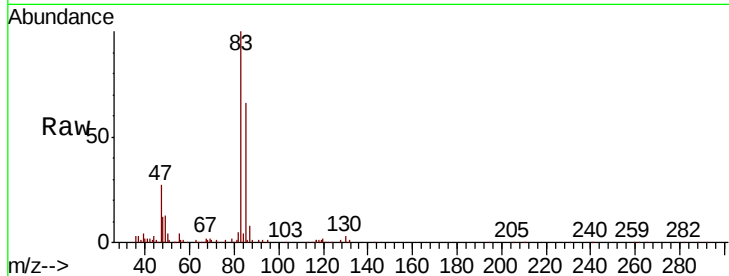
ClientSampled :

VP-2DL

Tot Ion	83	Resp	173755
Ion Ratio	100	Lower	Upper
83	100		
85	66.0	52.5	78.7

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 0.22 ppbv

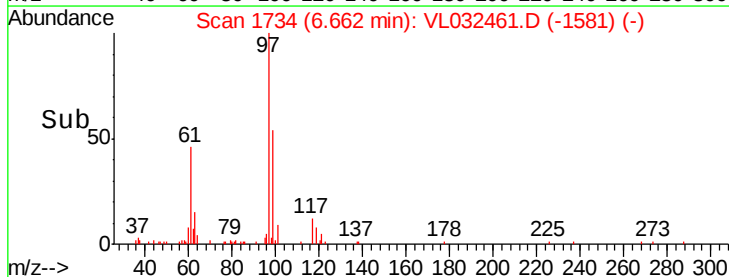
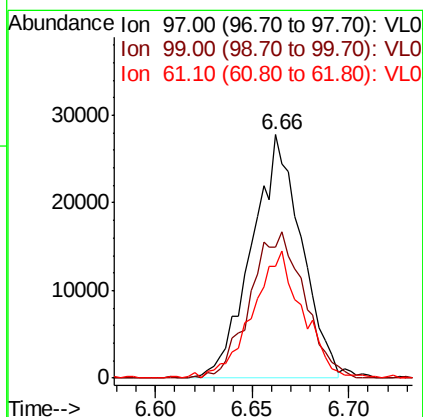
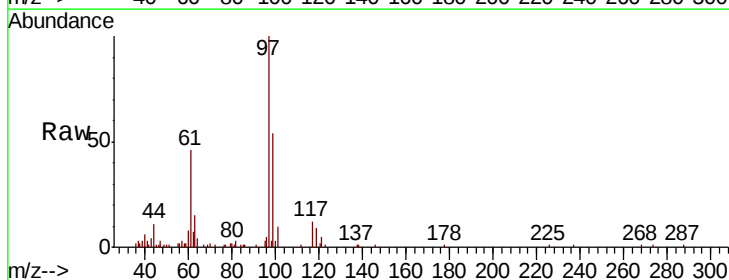
RT: 6.66 min Scan# 1734

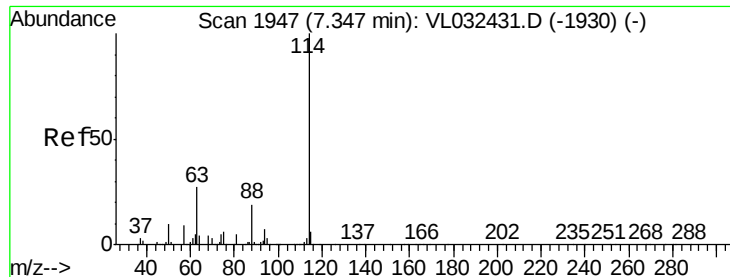
Delta R.T. -0.01 min

Lab File: VL032461.D

Acq: 5 Sep 2018 17:20

Tgt Ion	97	Resp	49475
Ion Ratio	100	Lower	Upper
97	100		
99	65.3	52.1	78.1
61	53.3	42.5	63.7





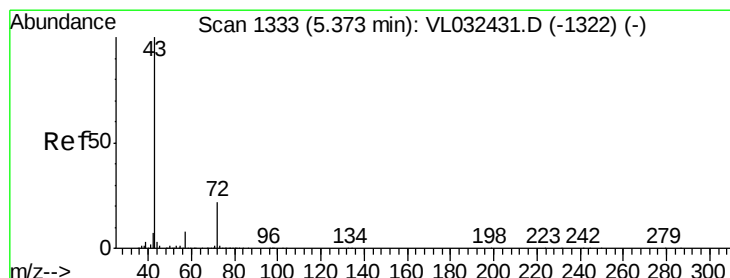
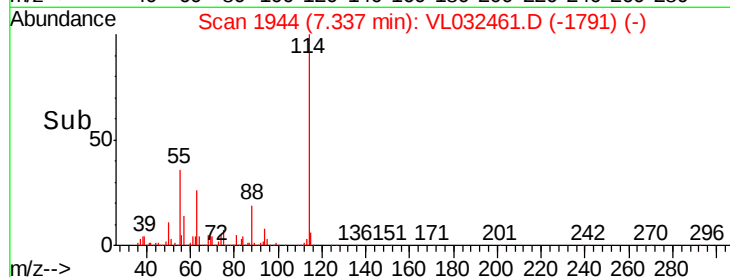
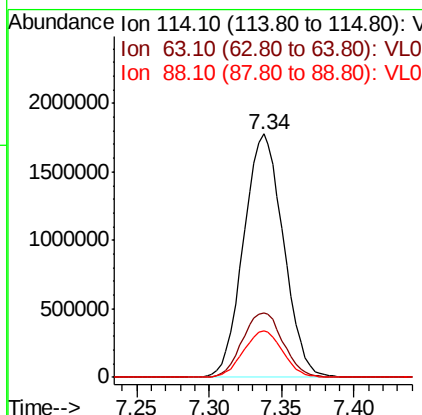
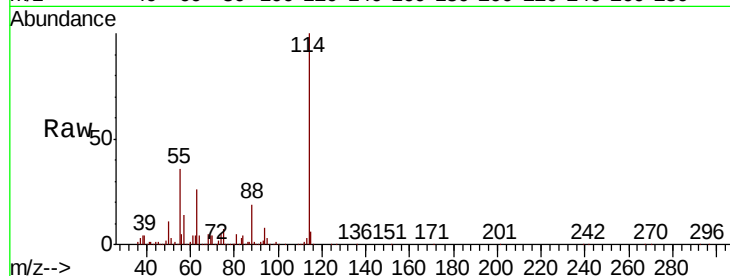
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.34 min Scan# 1944
 Delta R.T. -0.01 min
 Lab File: VL032461.D
 Acq: 5 Sep 2018 17:20

Instrument :
 MSVOA_L
 ClientSampleId :
 VP-2DL

Tot Ion	Ratio	Lower	Upper
114	100		
63	27.2	22.2	33.4
88	18.9	15.0	22.4

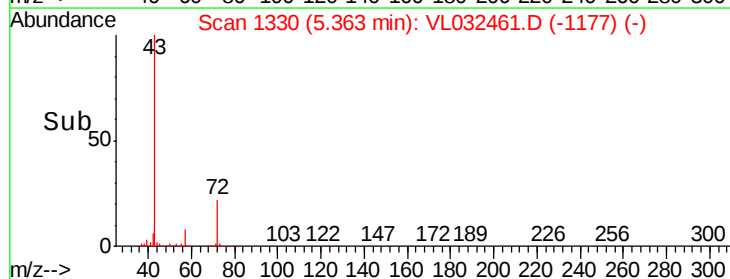
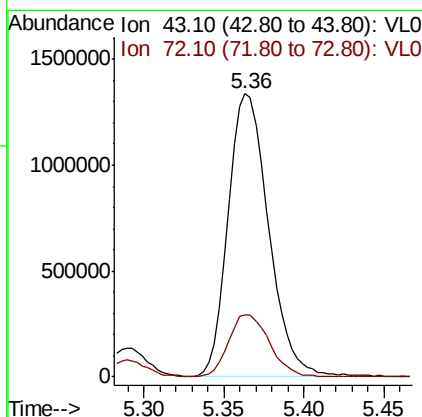
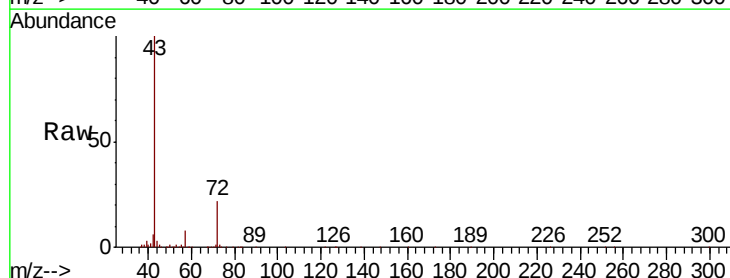
Manual Integrations
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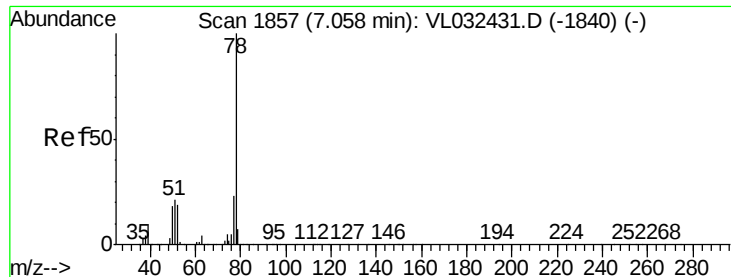
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 9/7/2018 10:45:54 AM



#34
 2-Butanone
 Concen: 10.16 ppbv
 RT: 5.36 min Scan# 1330
 Delta R.T. -0.01 min
 Lab File: VL032461.D
 Acq: 5 Sep 2018 17:20

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.5	17.8	26.6





#36

Benzene

Concen: 0.27 ppbv

RT: 7.05 min Scan# 1854

Delta R.T. -0.01 min

Lab File: VL032461.D

Acq: 5 Sep 2018 17:20

Instrument :

MSVOA_L

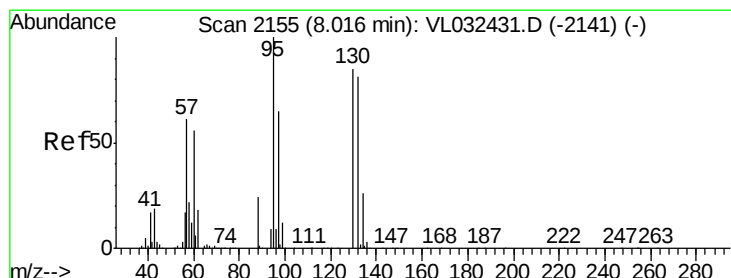
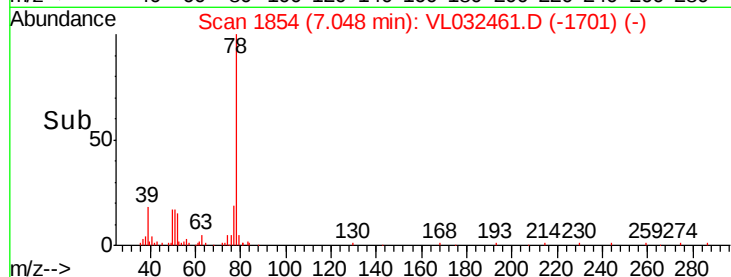
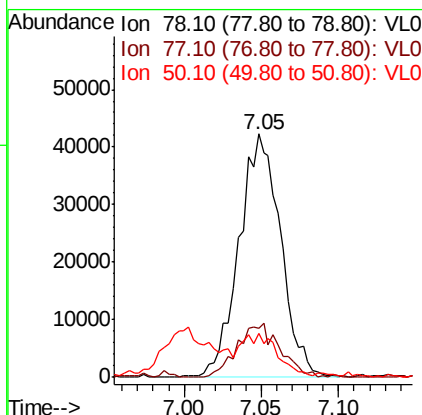
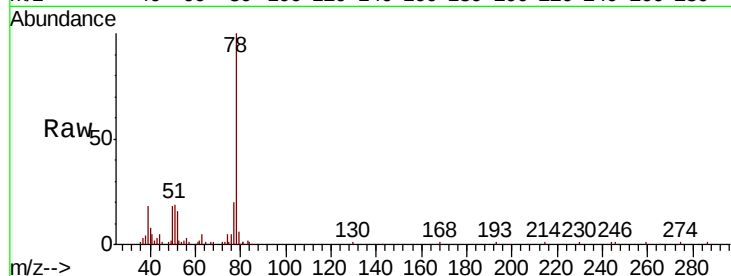
ClientSampleId :

VP-2DL

Tot Ion:	78	Resp:	78973
Ion	Ratio	Lower	Upper
78	100		
77	20.0	18.4	27.6
50	17.7	14.4	21.6

Manual Integrations
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9/7/2018 10:45:54 AM



#38

Trichloroethene

Concen: 4.09 ppbv

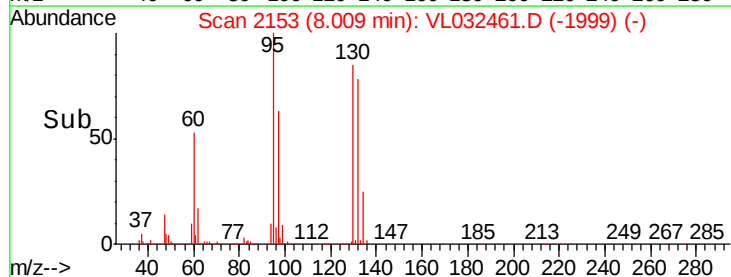
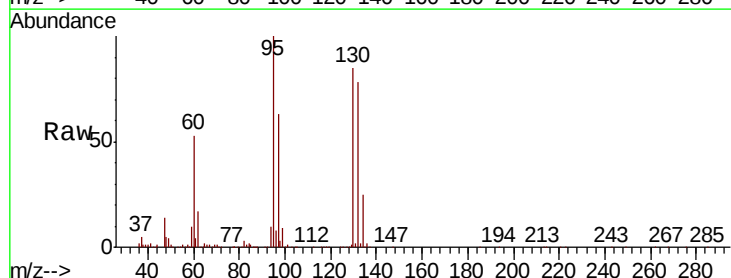
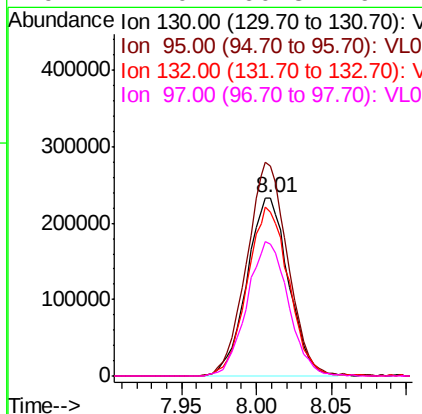
RT: 8.01 min Scan# 2153

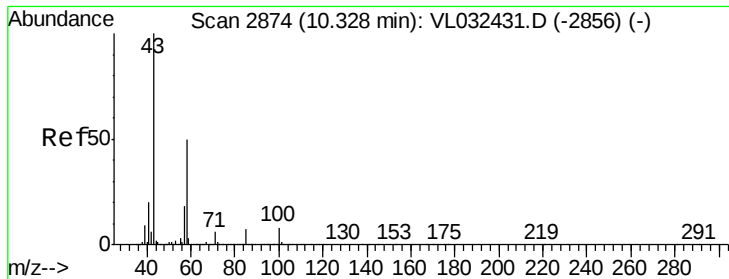
Delta R.T. -0.01 min

Lab File: VL032461.D

Acq: 5 Sep 2018 17:20

Tgt Ion:	130	Resp:	449135
Ion	Ratio	Lower	Upper
130	100		
95	117.6	94.2	141.4
132	92.2	76.2	114.4
97	74.0	60.8	91.2





#51

2-Hexanone

Concen: 1.59 ppbv

RT: 10.32 min Scan# 2872

Delta R.T. -0.01 min

Lab File: VL032461.D

Acq: 5 Sep 2018 17:20

Instrument :

MSVOA_L

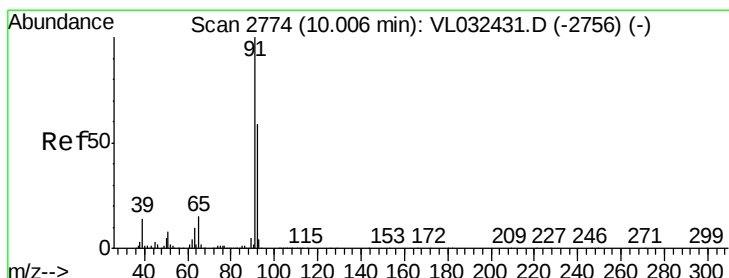
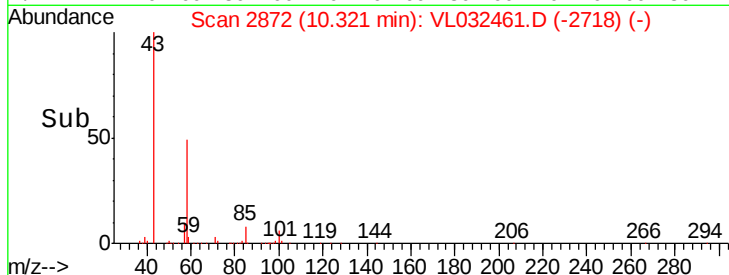
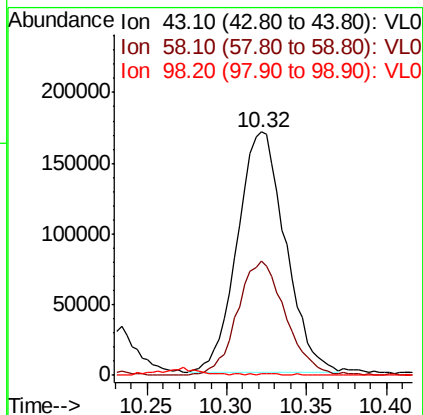
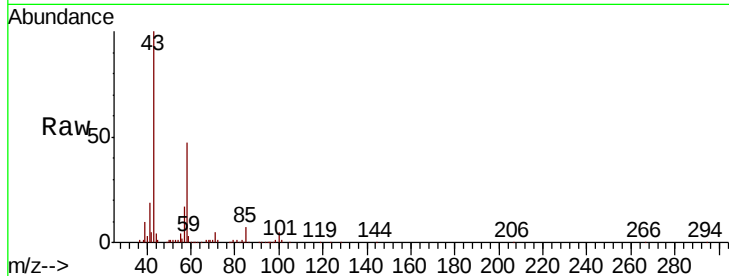
ClientSampleId :

VP-2DL

Tot Ion:	43	Resp:	348403
Ion Ratio	Lower	Upper	
43	100		
58	48.1	39.2	58.8
98	0.0	0.4	0.6#

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#53

Toluene

Concen: 0.42 ppbv

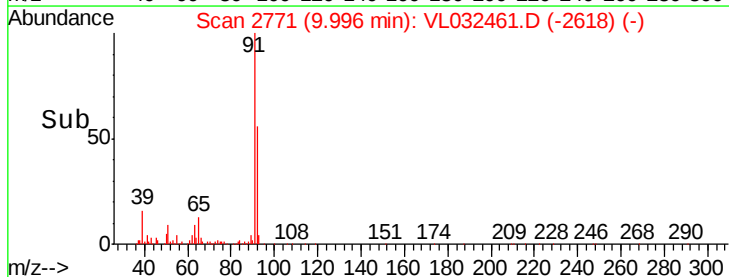
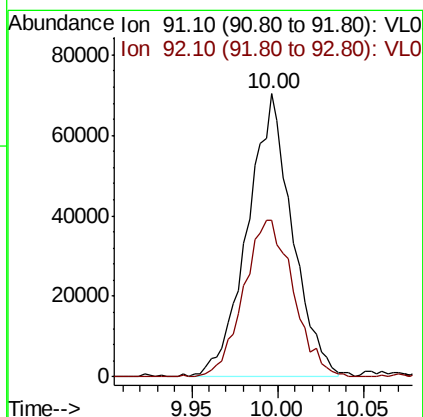
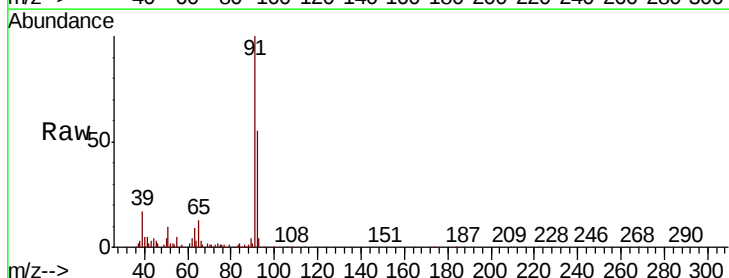
RT: 10.00 min Scan# 2771

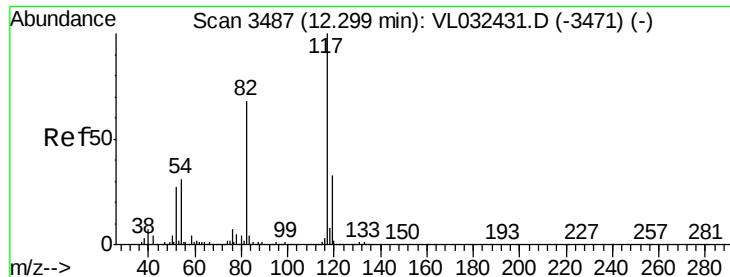
Delta R.T. -0.01 min

Lab File: VL032461.D

Acq: 5 Sep 2018 17:20

Tgt Ion:	91	Resp:	126571
Ion Ratio	Lower	Upper	
91	100		
92	61.7	48.1	72.1





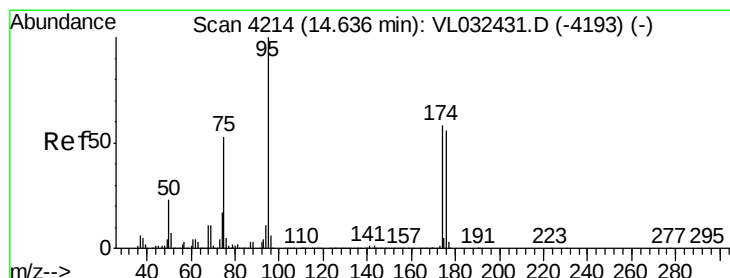
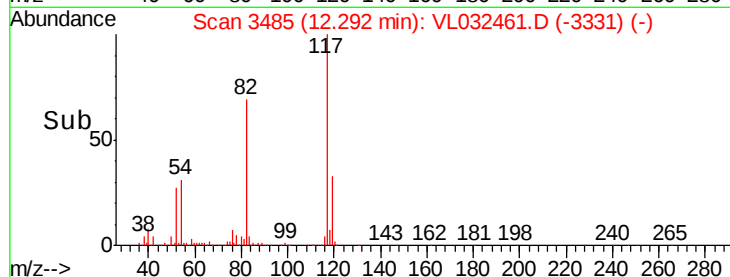
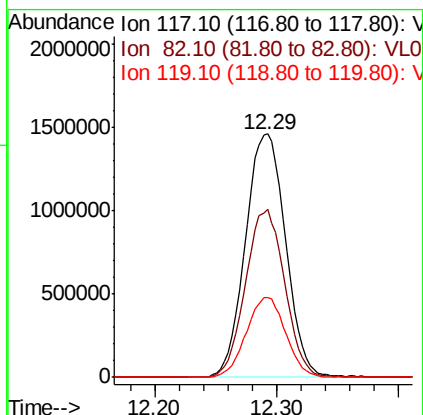
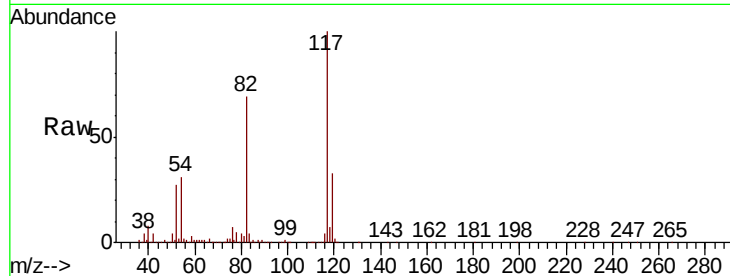
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.29 min Scan# 3485
Delta R.T. -0.01 min
Lab File: VL032461.D
Acq: 5 Sep 2018 17:20

Instrument :
MSVOA_L
ClientSampleId :
VP-2DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	67.6	53.0	79.6
119	32.4	45.9	68.9#

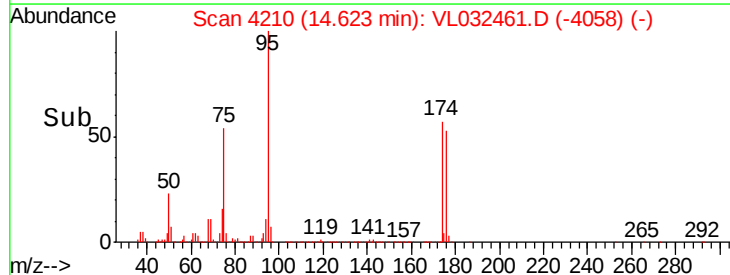
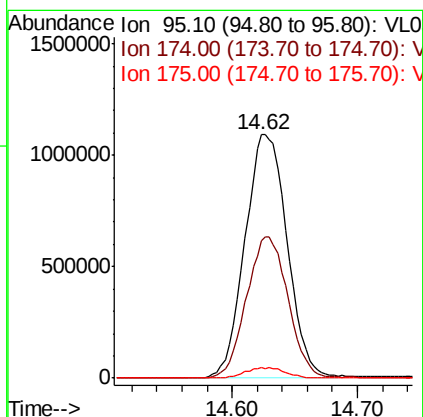
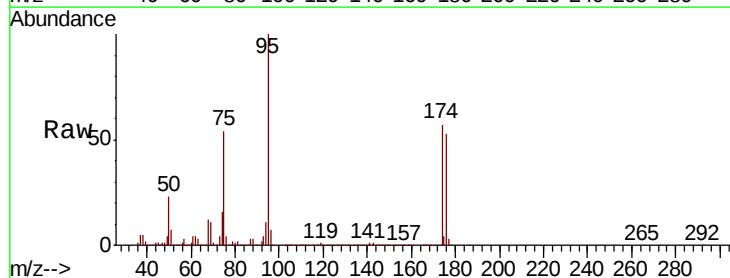
Manual Integrations
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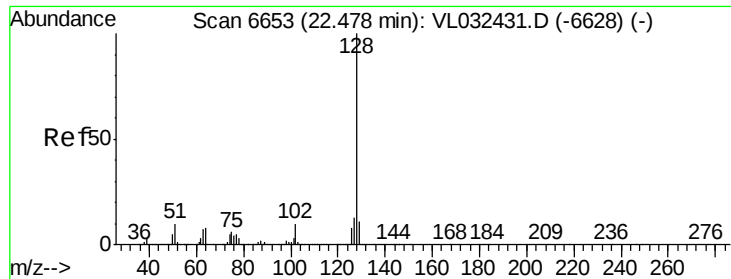
MMDadoda
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#68
1-Bromo-4-Fluorobenzene
Concen: 10.38 ppbv
RT: 14.62 min Scan# 4210
Delta R.T. -0.01 min
Lab File: VL032461.D
Acq: 5 Sep 2018 17:20

Tgt Ion	Ratio	Lower	Upper
95	100		
174	57.7	46.3	69.5
175	4.1	3.4	5.0





#79

Naphthalene

Concen: 1.61 ppbv

RT: 22.47 min Scan# 6651

Delta R.T. -0.01 min

Lab File: VL032461.D

Acq: 5 Sep 2018 17:20

Instrument :

MSVOA_L

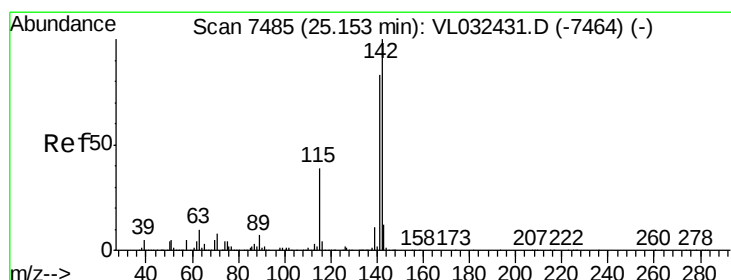
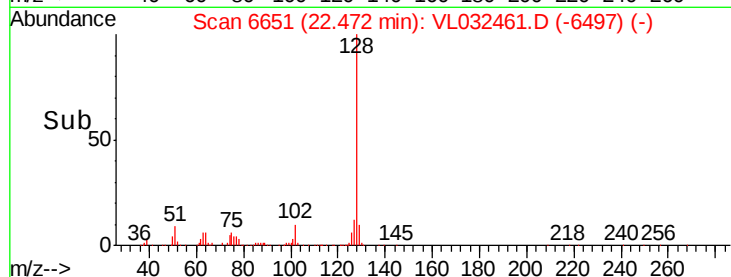
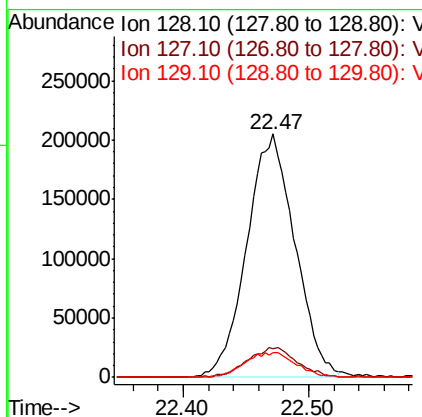
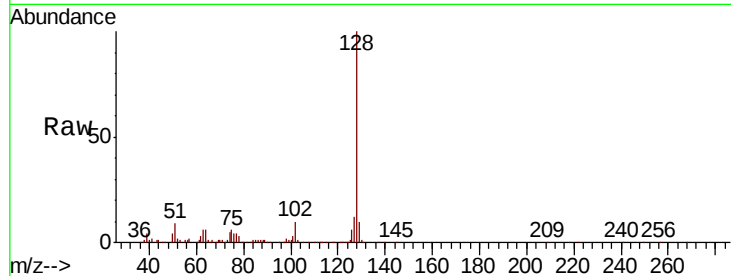
ClientSampleId :

VP-2DL

Tot Ion:	128	Resp:	544046
Ion Ratio	Lower	Upper	
128	100		
127	11.8	10.2	15.2
129	10.4	8.5	12.7

Manual Integrations
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#80

Naphthalene, 2-methyl-

Concen: 1.20 ppbv

RT: 25.15 min Scan# 7485

Delta R.T. 0.00 min

Lab File: VL032461.D

Acq: 5 Sep 2018 17:20

Tgt Ion:	142	Resp:	108283
Ion Ratio	Lower	Upper	
142	100		
141	86.1	67.0	100.6
115	40.8	31.3	46.9

