

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL101118\
 Data File : VL032619.D
 Acq On : 12 Oct 2018 00:47
 Operator : SY/AP
 Sample : J5370-03DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 Q3-SVI-100518DL

Manual Integrations
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 10/12/2018 2:07:44 PM

Quant Time: Oct 12 03:26:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092418AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Oct 08 2018
 QLast Update : Mon Oct 01 06:49:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.79	49	1402989	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.32	114	3135399	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.27	117	3265973	10.00	ppbv	-0.03

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.61	95	2359255	9.58	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.05	41	400210	7.906	ppbv	98
13) Ethanol	3.67	45	120476	7.918	ppbv	99
15) Acetone	3.91	43	4122449	33.475	ppbv	95
17) tert-Butyl alcohol	4.39	59	94338	6.096	ppbv #	100
19) Isopropyl Alcohol	4.05	45	83397	0.972	ppbv #	93
20) Methylene Chloride	4.43	84	170072	2.852	ppbv	97
26) Hexane	5.80	57	33232	0.246	ppbv #	1
27) Carbon Disulfide	4.64	76	40062	0.276	ppbv #	79
34) 2-Butanone	5.35	43	2253202	12.068	ppbv	98
36) Benzene	7.03	78	685565	2.706	ppbv	97
51) 2-Hexanone	10.32	43	119519	0.492	ppbv #	100
52) Tetrachloroethene	11.40	164	11841m	0.134	ppbv	
53) Toluene	9.98	91	91368	0.296	ppbv	100

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

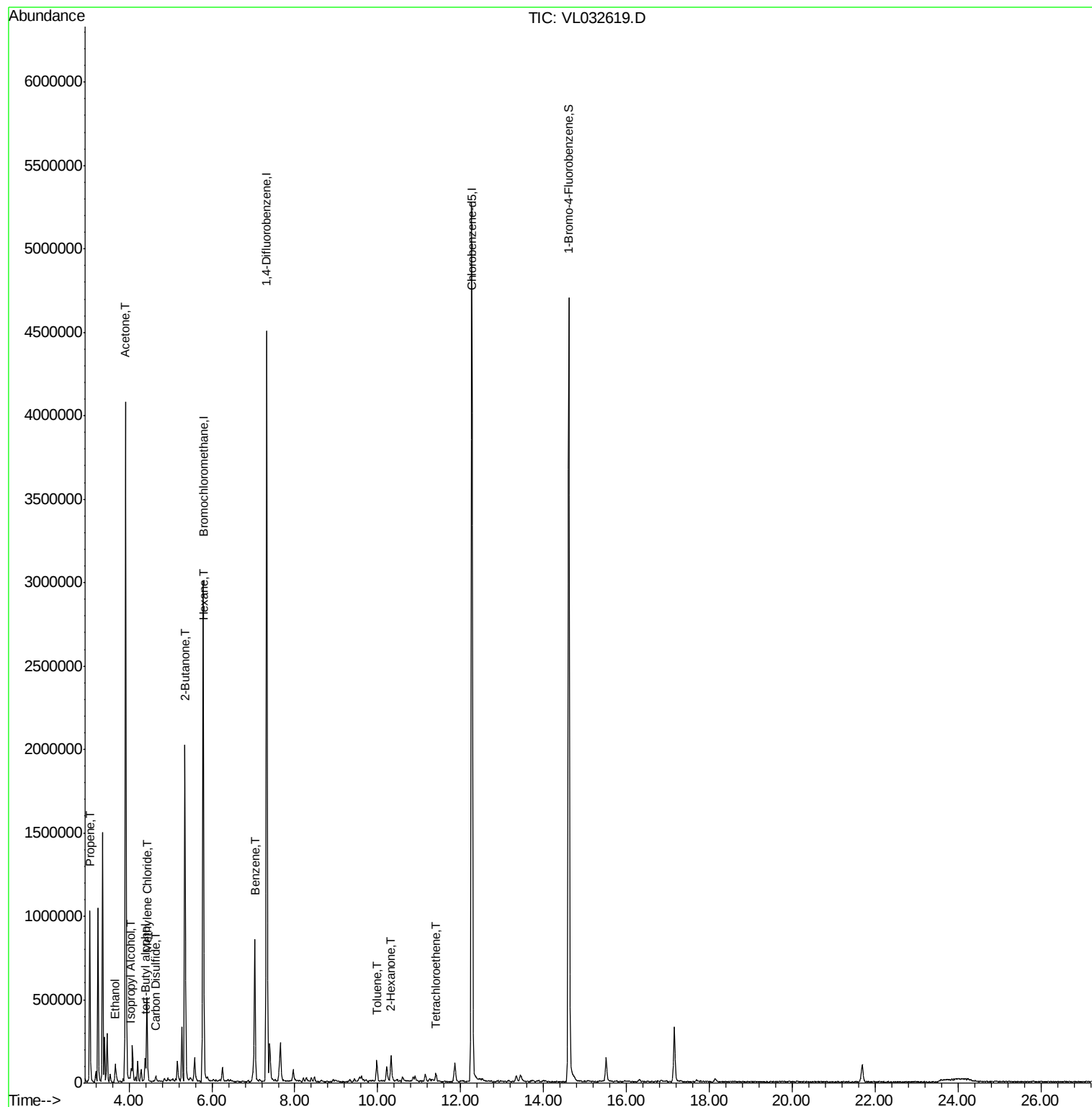
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL101118\
Data File : VL032619.D
Acq On : 12 Oct 2018 00:47
Operator : SY/AP
Sample : J5370-03DL 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

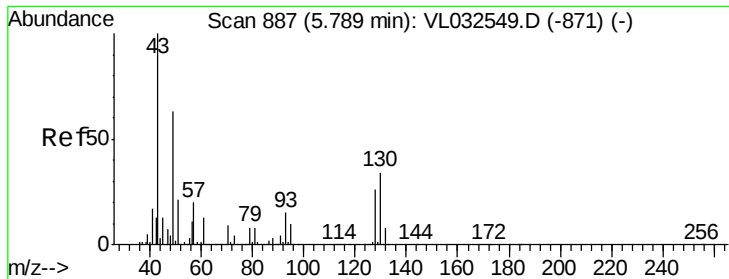
Instrument :
MSVOA_L
ClientSampleId :
Q3-SVI-100518DL

Manual Integrations
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Quant Time: Oct 12 03:26:39 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL092418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Oct
QLast Update : Mon Oct 01 06:49:26 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.79 min Scan# 886

Delta R.T. -0.02 min

Lab File: VL032619.D

Acq: 12 Oct 2018 00:47

Instrument :

MSVOA_L

ClientSampleId :

Q3-SVI-100518DL

Tot Ion: 49 Resp: 1402989

Ion Ratio Lower Upper

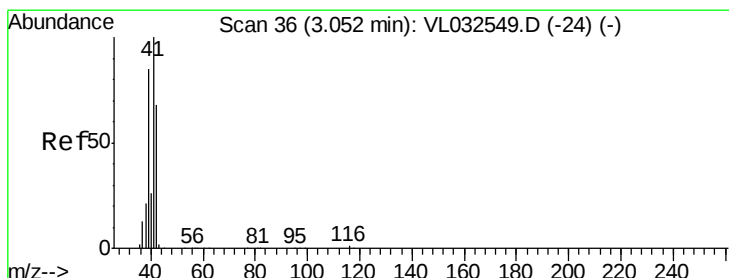
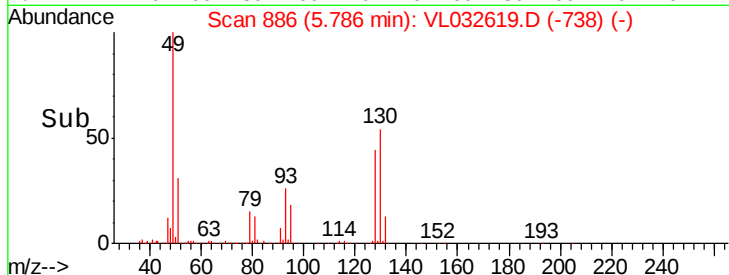
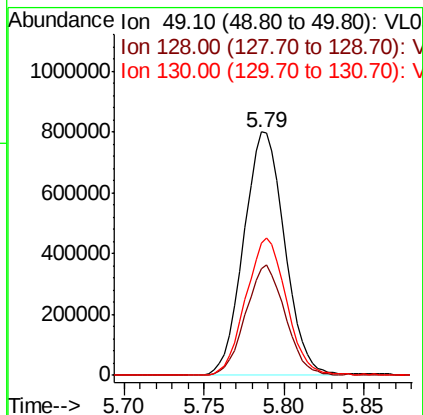
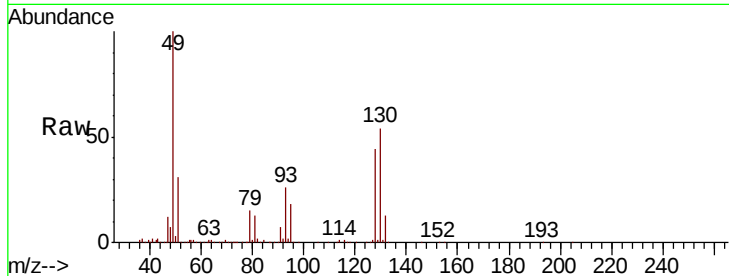
49 100

128 44.3 20.7 62.1

130 56.6 26.6 79.7

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#9

Propene

Concen: 7.906 ppbv

RT: 3.05 min Scan# 35

Delta R.T. -0.02 min

Lab File: VL032619.D

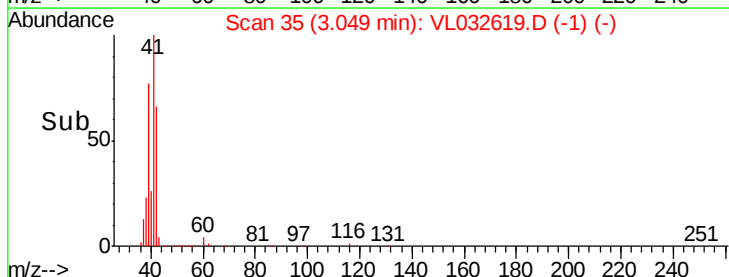
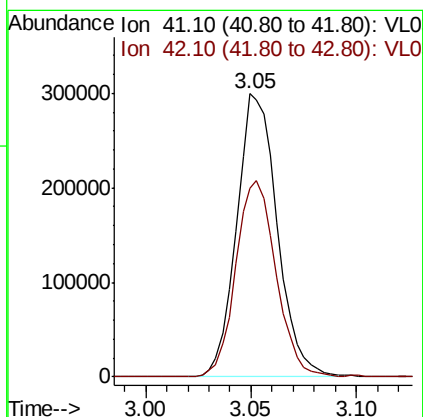
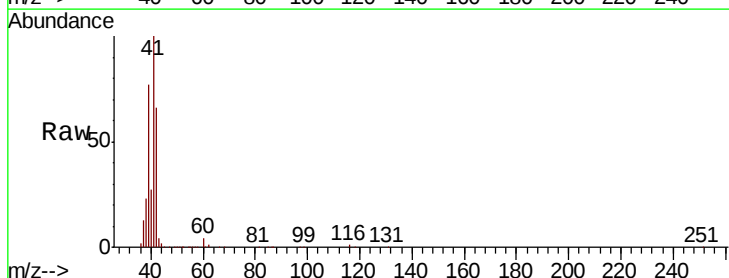
Acq: 12 Oct 2018 00:47

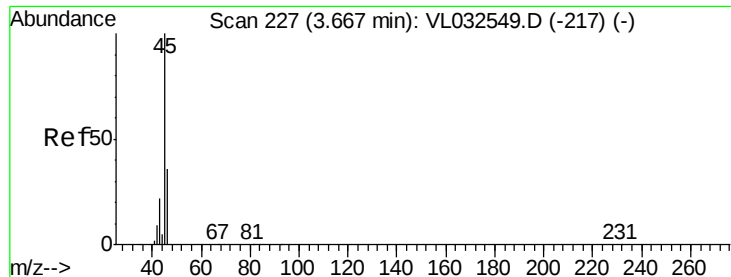
Tgt Ion: 41 Resp: 400210

Ion Ratio Lower Upper

41 100

42 69.1 56.6 84.8





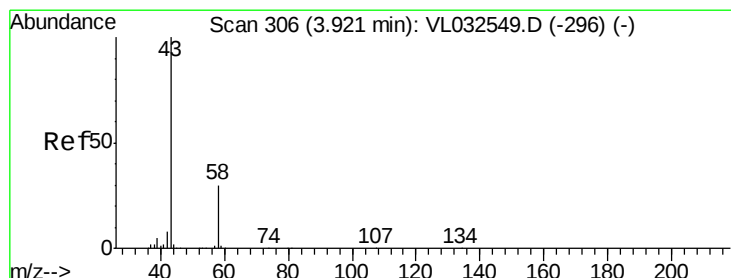
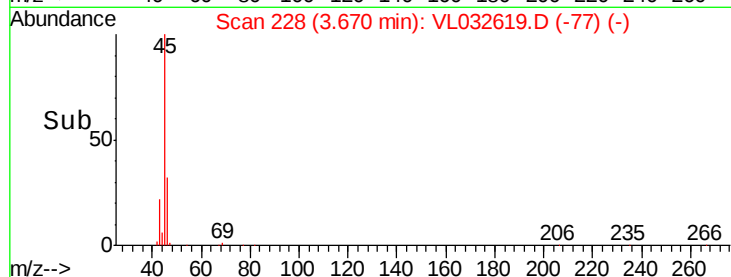
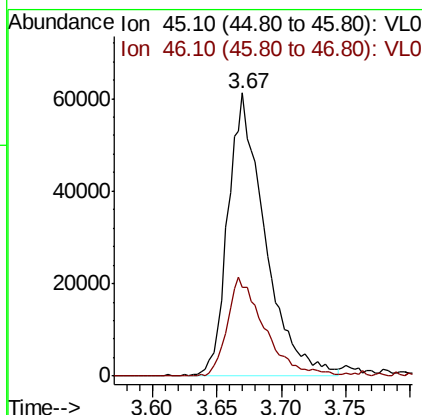
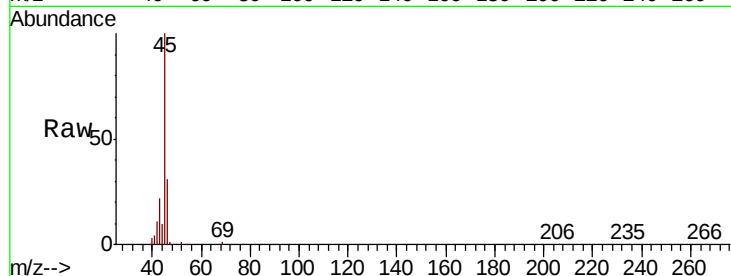
#13
Ethanol
Concen: 7.918 ppbv
RT: 3.67 min Scan# 228
Delta R.T. -0.01 min
Lab File: VL032619.D
Acq: 12 Oct 2018 00:47

Instrument :
MSVOA_L
ClientSampleId :
Q3-SVI-100518DL

Tot Ion	45	46	Ratio	Lower	Upper
120476	100	36.2		14.2	56.8

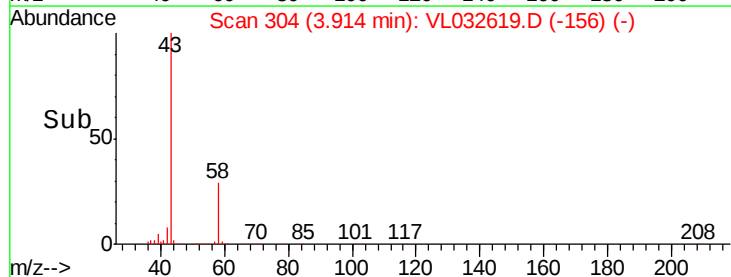
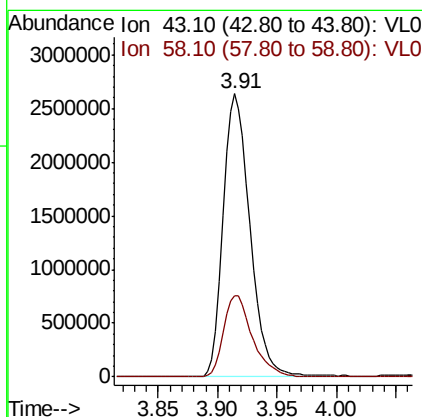
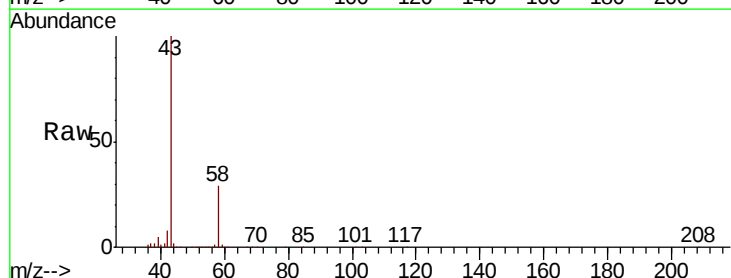
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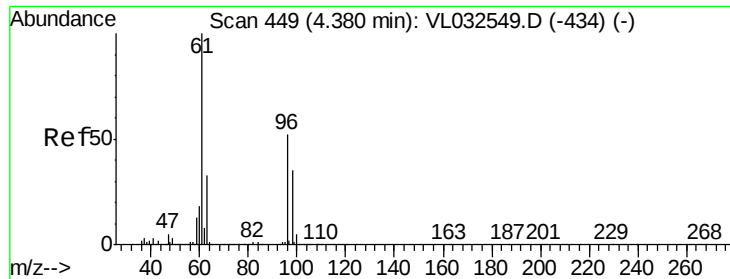
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#15
Acetone
Concen: 33.475 ppbv
RT: 3.91 min Scan# 304
Delta R.T. -0.02 min
Lab File: VL032619.D
Acq: 12 Oct 2018 00:47

Tgt Ion	43	58	Ratio	Lower	Upper
4122449	100	30.9		22.6	33.8





#17

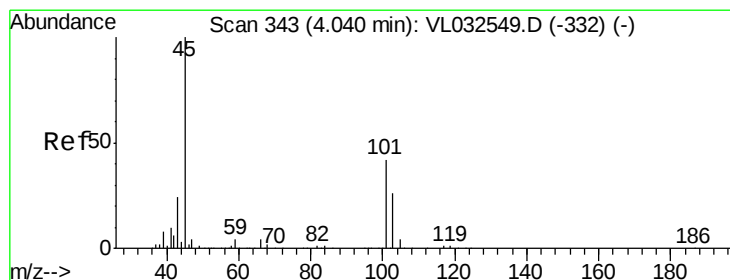
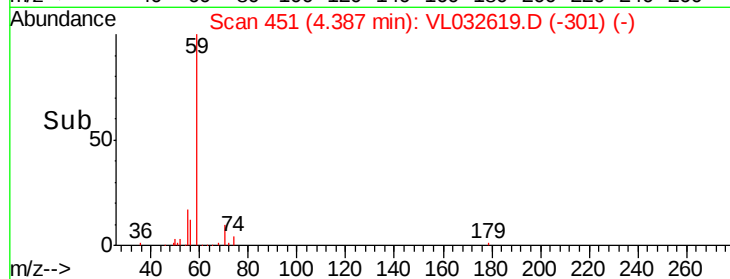
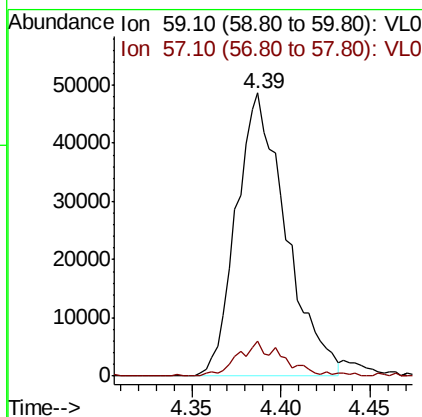
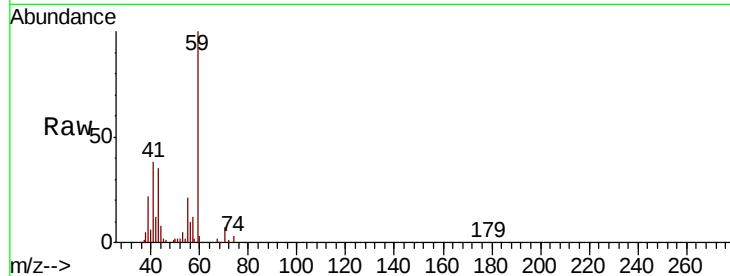
tert-Butyl alcohol
Concen: 6.096 ppbv
RT: 4.39 min Scan# 451
Delta R.T. -0.02 min
Lab File: VL032619.D
Acq: 12 Oct 2018 00:47

Instrument :
MSVOA_L
ClientSampleId :
Q3-SVI-100518DL

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.5	0.0	0.0#

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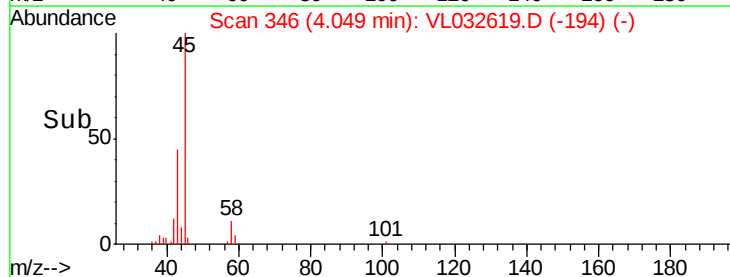
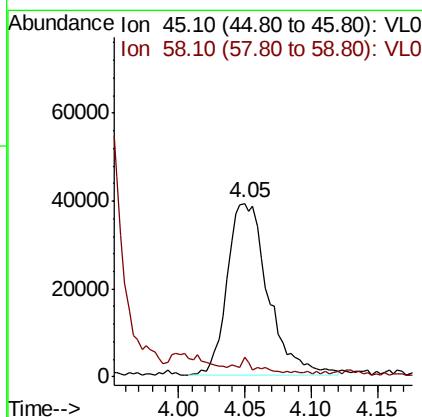
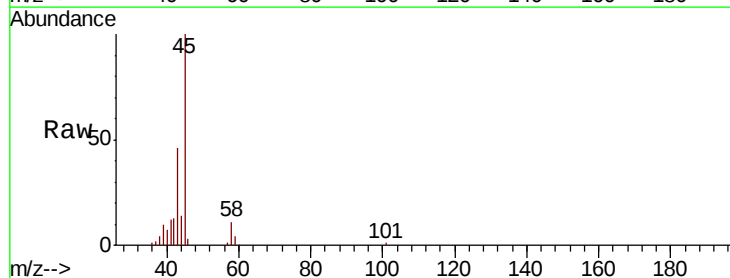
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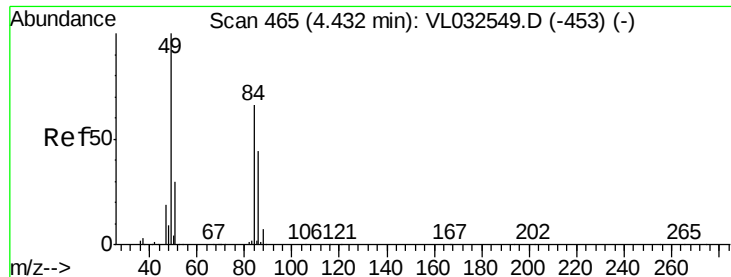


#19

Isopropyl Alcohol
Concen: 0.972 ppbv
RT: 4.05 min Scan# 346
Delta R.T. -0.01 min
Lab File: VL032619.D
Acq: 12 Oct 2018 00:47

Tgt Ion	Ratio	Lower	Upper
45	100		
58	0.0	2.0	3.0#





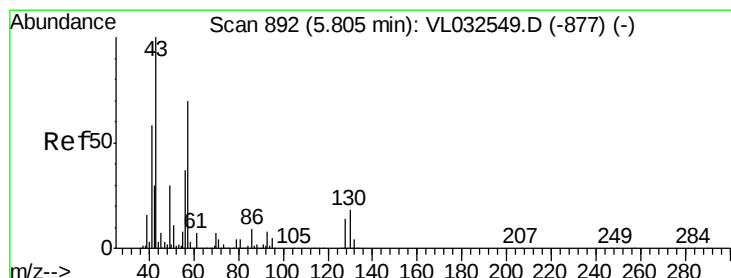
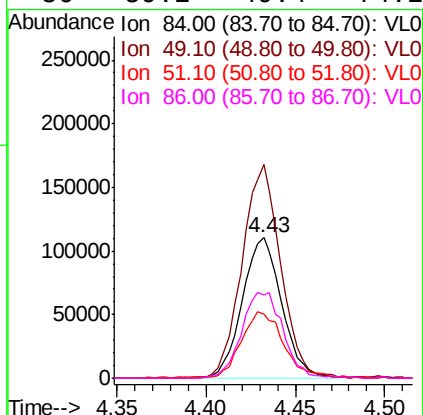
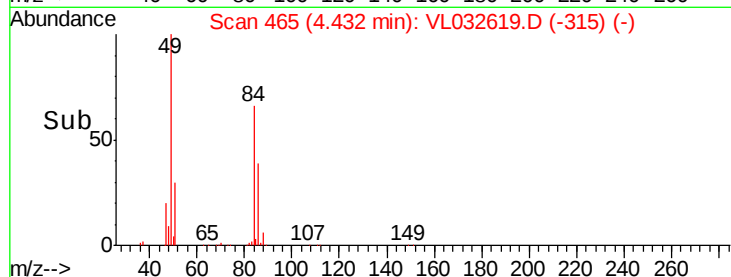
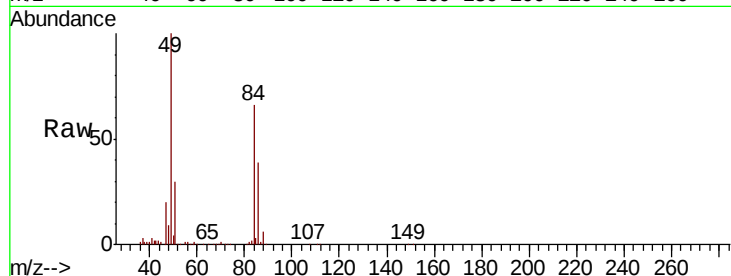
#20
Methvlene Chloride
Concen: 2.852 ppbv
RT: 4.43 min Scan# 465
Delta R.T. -0.02 min
Lab File: VL032619.D
Acq: 12 Oct 2018 00:47

Instrument :
MSVOA_L
ClientSampleId :
Q3-SVI-100518DL

Tot Ion	Ratio	Lower	Upper
84	100		
49	152.1	119.1	178.7
51	45.2	35.2	52.8
86	59.2	49.4	74.2

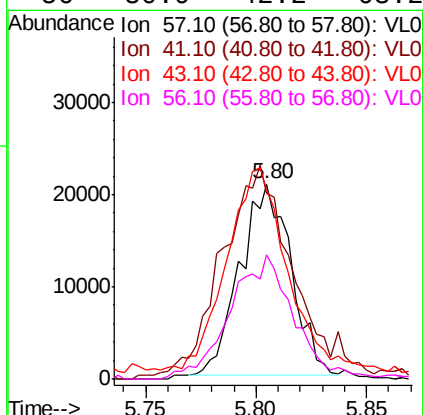
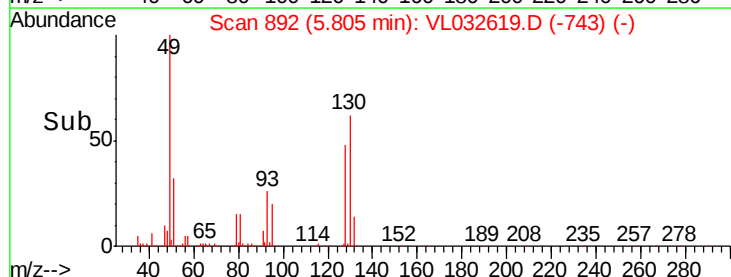
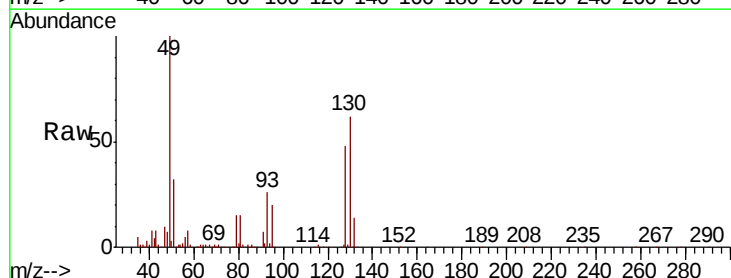
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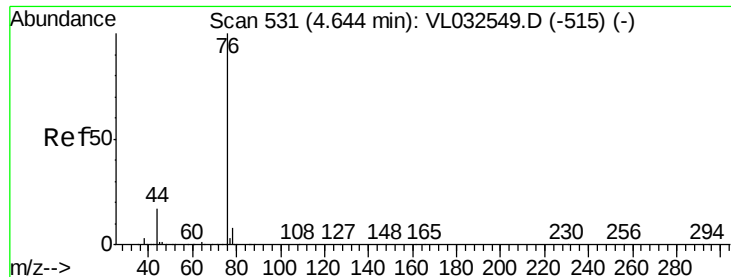
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#26
Hexane
Concen: 0.246 ppbv
RT: 5.80 min Scan# 892
Delta R.T. -0.02 min
Lab File: VL032619.D
Acq: 12 Oct 2018 00:47

Tgt Ion	Ratio	Lower	Upper
57	100		
41	154.0	69.0	103.4#
43	0.0	172.1	258.1#
56	80.9	42.2	63.2#





#27

Carbon Disulfide

Concen: 0.276 ppbv

RT: 4.64 min Scan# 531

Delta R.T. -0.02 min

Lab File: VL032619.D

Acq: 12 Oct 2018 00:47

Instrument :

MSVOA_L

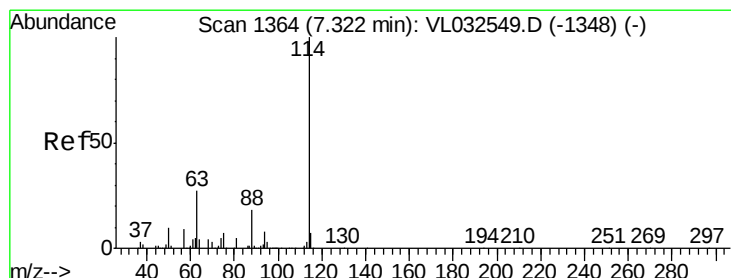
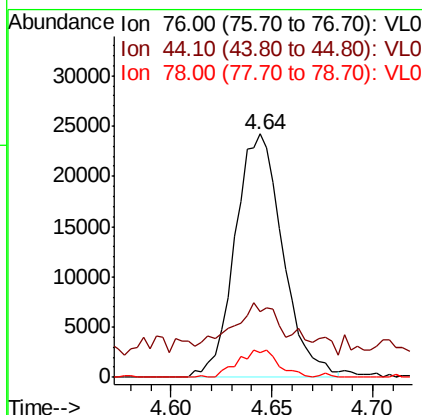
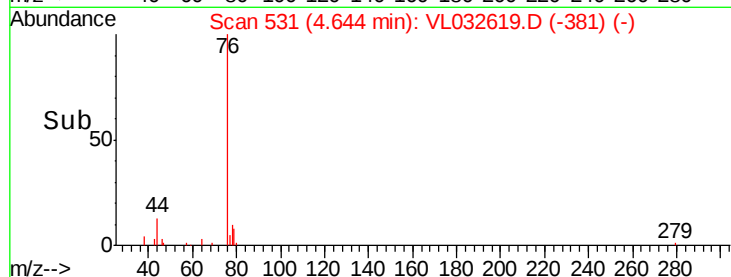
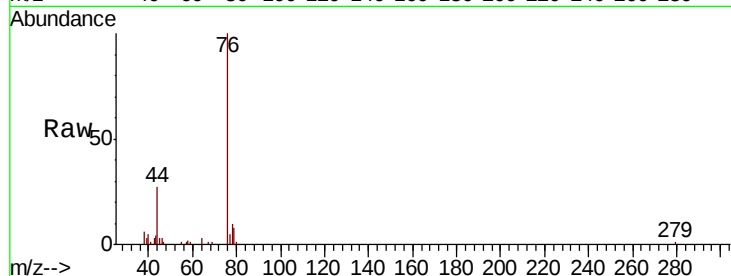
ClientSampleId :

Q3-SVI-100518DL

Tot Ion	Ratio	Lower	Upper
76	100		
44	31.5	14.0	21.0#
78	10.1	7.5	11.3

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

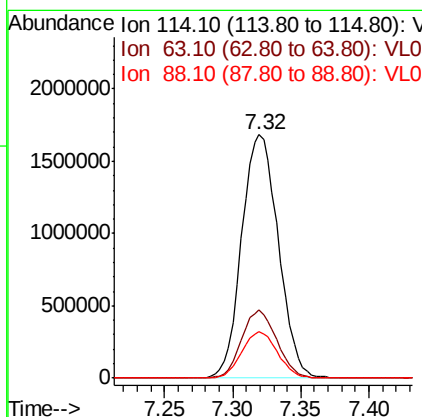
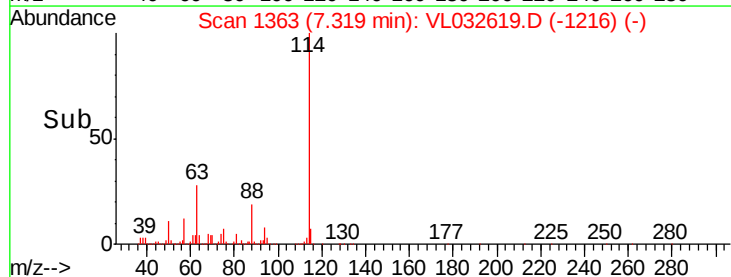
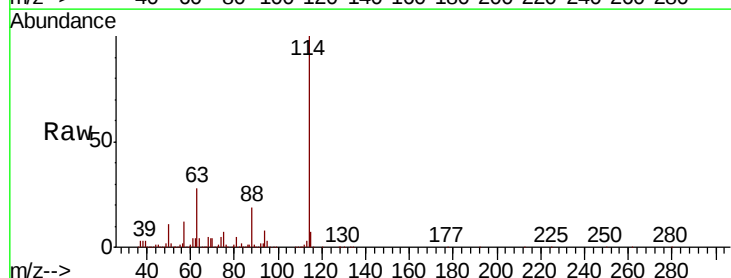
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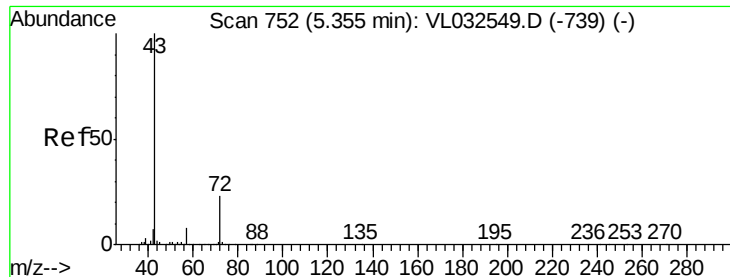
Delta R.T. -0.03 min

Lab File: VL032619.D

Acq: 12 Oct 2018 00:47

Tgt Ion	Ratio	Lower	Upper
114	100		
63	27.0	22.2	33.4
88	18.6	15.0	22.4





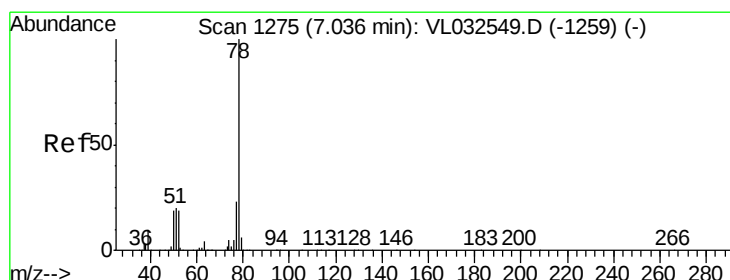
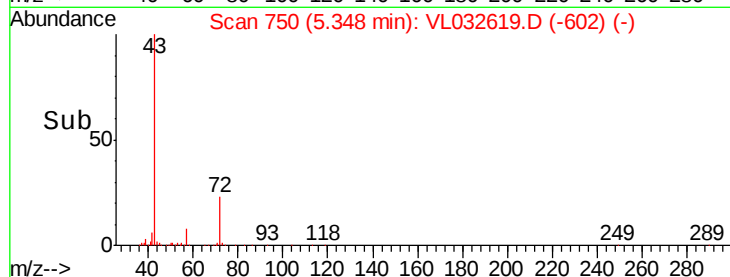
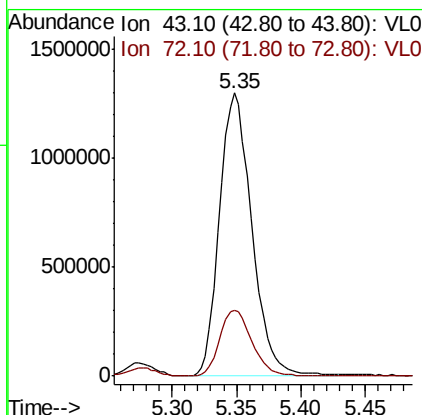
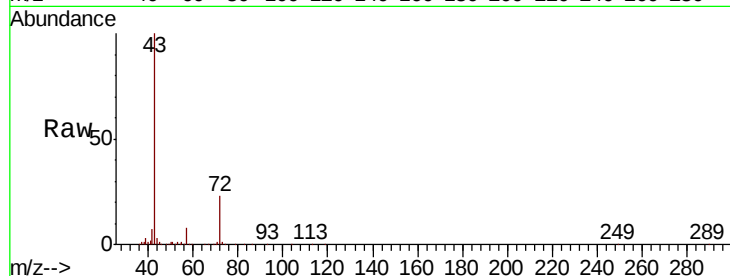
#34
2-Butanone
Concen: 12.068 ppbv
RT: 5.35 min Scan# 750
Delta R.T. -0.02 min
Lab File: VL032619.D
Acq: 12 Oct 2018 00:47

Instrument :
MSVOA_L
ClientSampleId :
Q3-SVI-100518DL

Tot Ion: 43 Resp: 2253202
Ion Ratio Lower Upper
43 100
72 23.3 17.8 26.6

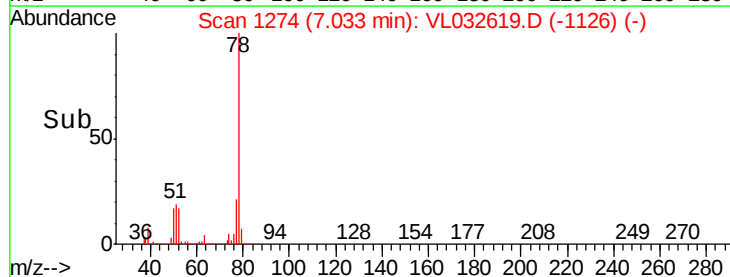
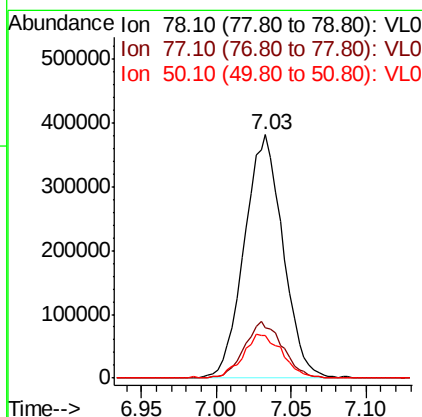
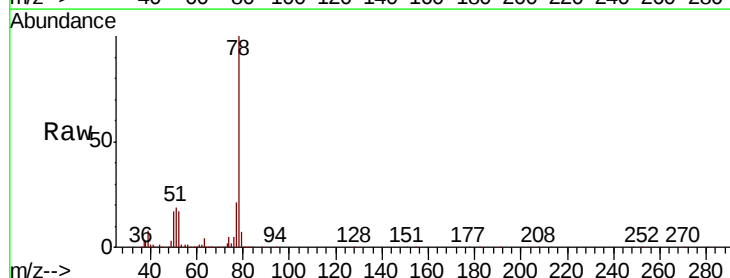
Manual Integrations
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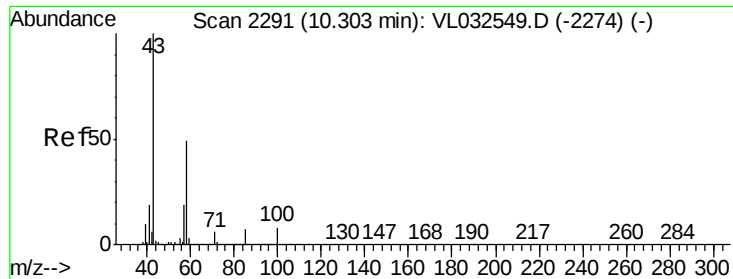
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#36
Benzene
Concen: 2.706 ppbv
RT: 7.03 min Scan# 1274
Delta R.T. -0.02 min
Lab File: VL032619.D
Acq: 12 Oct 2018 00:47

Tgt Ion: 78 Resp: 685565
Ion Ratio Lower Upper
78 100
77 20.8 18.4 27.6
50 17.4 14.4 21.6





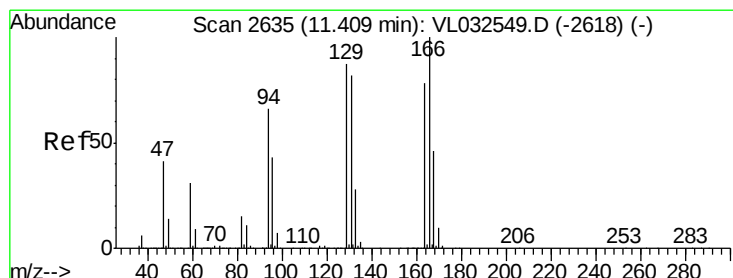
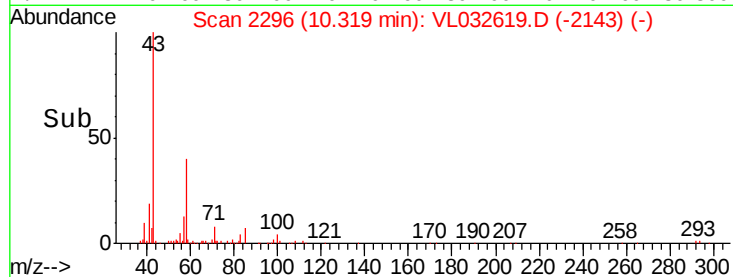
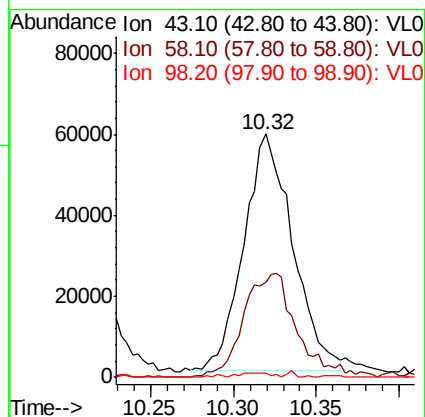
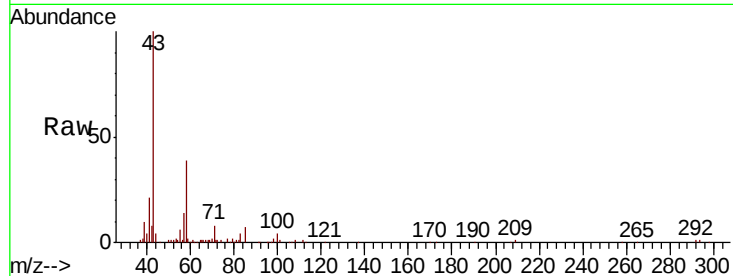
#51
2-Hexanone
Concen: 0.492 ppbv
RT: 10.32 min Scan# 2296
Delta R.T. -0.01 min
Lab File: VL032619.D
Acq: 12 Oct 2018 00:47

Instrument :
MSVOA_L
ClientSampleId :
Q3-SVI-100518DL

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.3	39.2	58.8
98	2.4	0.4	0.6

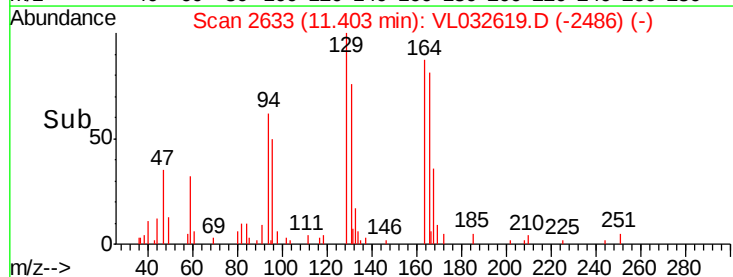
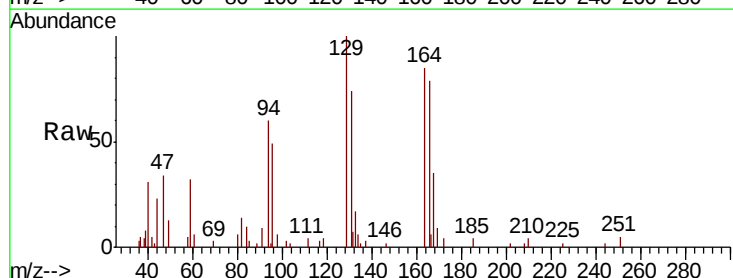
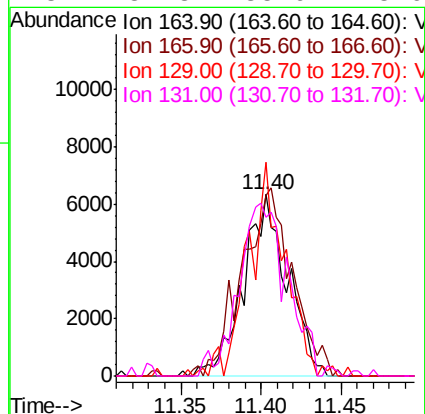
Manual Integrations
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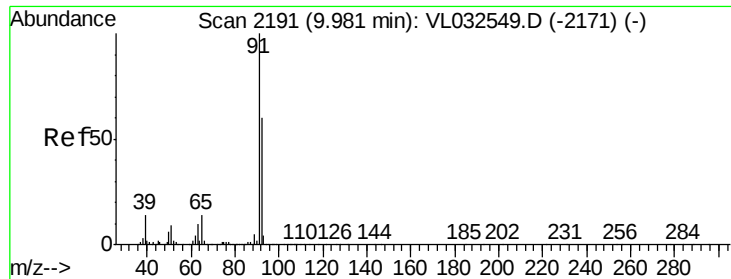
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#52
Tetrachloroethene
Concen: 0.134 ppbv m
RT: 11.40 min Scan# 2633
Delta R.T. -0.03 min
Lab File: VL032619.D
Acq: 12 Oct 2018 00:47

Tgt Ion	Ratio	Lower	Upper
164	100		
166	92.5	100.6	150.8
129	117.6	89.9	134.9
131	87.3	85.9	128.9





#53

Toluene

Concen: 0.296 ppbv

RT: 9.98 min Scan# 2189

Delta R.T. -0.03 min

Lab File: VL032619.D

Acq: 12 Oct 2018 00:47

Instrument :

MSVOA_L

ClientSampleId :

Q3-SVI-100518DL

Tot Ion: 91 Resp: 91368

Ion Ratio Lower Upper

91 100

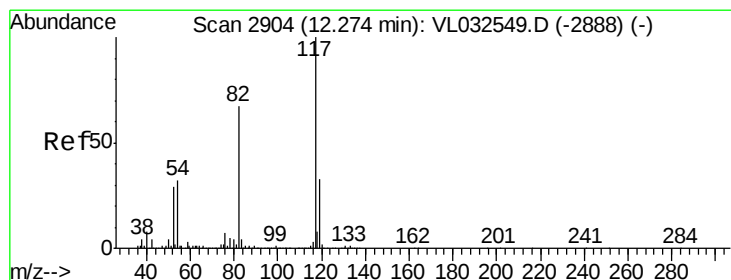
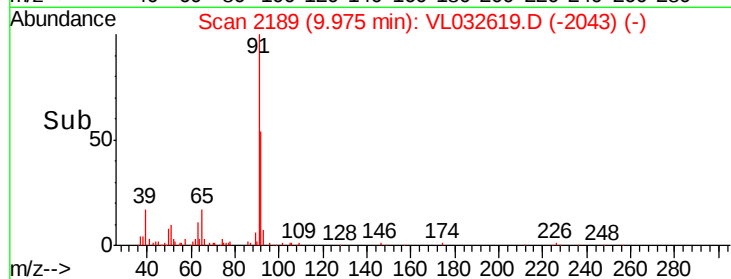
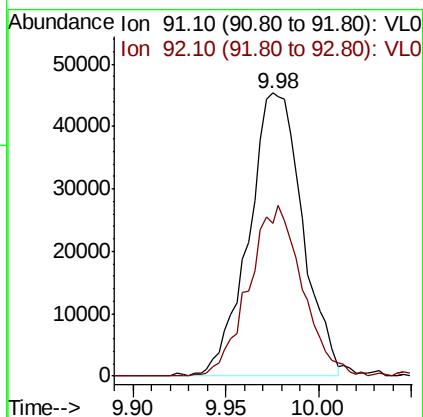
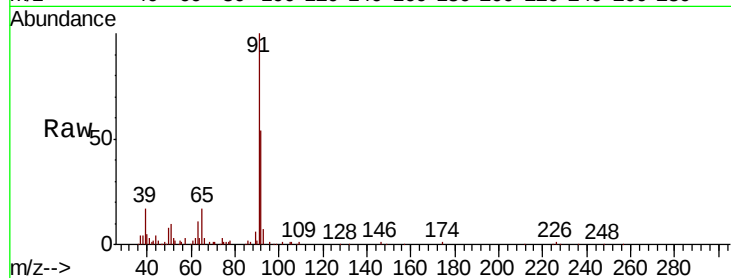
92 60.3 48.1 72.1

Manual Integrations

APPROVED

MMDadoda

10/12/2018 2:07:44 PM



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.27 min Scan# 2903

Delta R.T. -0.03 min

Lab File: VL032619.D

Acq: 12 Oct 2018 00:47

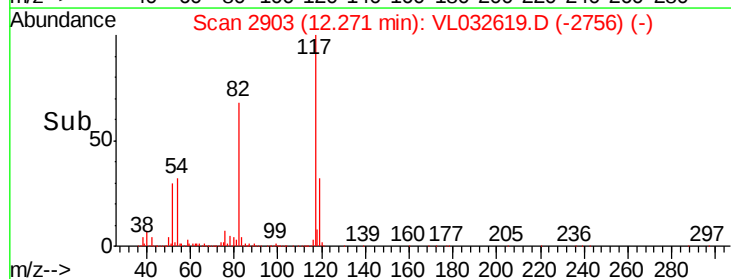
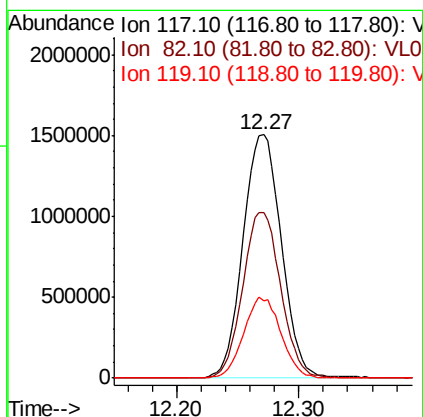
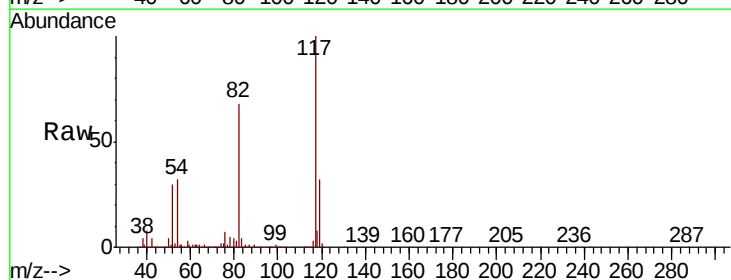
Tgt Ion: 117 Resp: 3265973

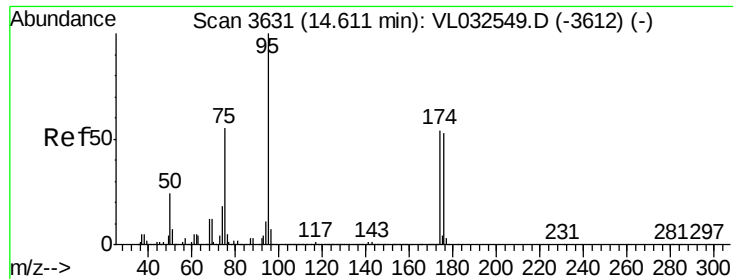
Ion Ratio Lower Upper

117 100

82 67.9 53.0 79.6

119 32.4 45.9 68.9#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.579 ppbv
 RT: 14.61 min Scan# 3630
 Delta R.T. -0.03 min
 Lab File: VL032619.D
 Acq: 12 Oct 2018 00:47

Instrument :
 MSVOA_L
 ClientSampleId :
 Q3-SVI-100518DL

Tot Ion	Ratio	Lower	Upper
95	100		
174	57.6	46.3	69.5
175	4.2	3.4	5.0

Manual Integrations
 APPROVED

MMDadoda
 10/12/2018 2:07:44 PM

