

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL092418\
 Data File : VL032539.D
 Acq On : 25 Sep 2018 10:55
 Operator : SY/AP
 Sample : J5034-05DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 GAC-INF-092018DL

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Quant Time: Sep 25 13:22:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092418AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Sep 25 2018
 QLast Update : Tue Sep 25 05:17:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.79	49	1503968	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.32	114	3209498	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.27	117	3183635	10.00	ppbv	-0.03

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.61	95	2476593	10.32	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.06	41	33784m	0.623	ppbv	
11) Trichlorofluoromethane	4.02	101	22913	0.139	ppbv	89
13) Ethanol	3.67	45	129138	7.917	ppbv	95
15) Acetone	3.92	43	1338004	10.135	ppbv	99
19) Isopropyl Alcohol	4.06	45	30285m	0.329	ppbv	
20) Methylene Chloride	4.43	84	48932	0.765	ppbv #	93
24) 1,1-Dichloroethane	5.11	63	136634	0.703	ppbv	95
26) Hexane	5.80	57	64807	0.448	ppbv #	49
29) Chloroform	5.88	83	61552m	0.277	ppbv	
31) cis-1,2-Dichloroethene	5.66	61	65346m	0.474	ppbv	
32) 1,1,1-Trichloroethane	6.64	97	251183	1.062	ppbv	98
34) 2-Butanone	5.37	43	27047	0.142	ppbv	94
38) Trichloroethene	7.99	130	338989	3.414	ppbv	96
53) Toluene	9.98	91	66754	0.211	ppbv	96

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

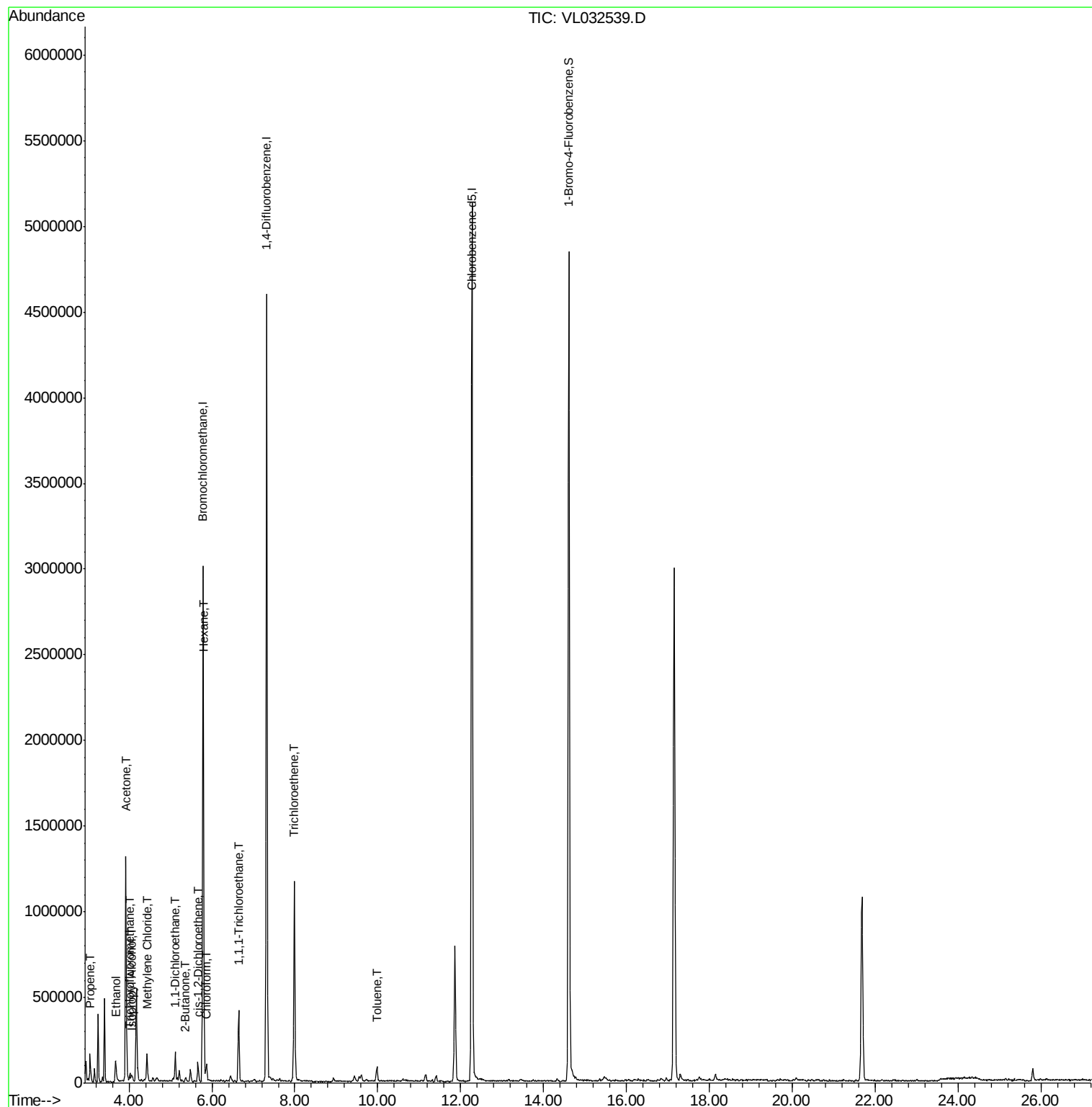
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL092418\
Data File : VL032539.D
Acq On : 25 Sep 2018 10:55
Operator : SY/AP
Sample : J5034-05DL 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

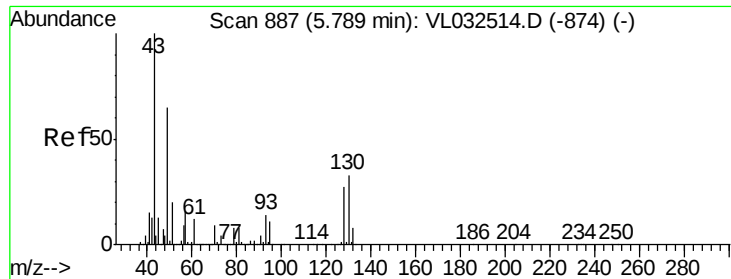
Instrument :
MSVOA_L
ClientSampleId :
GAC-INF-092018DL

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Quant Time: Sep 25 13:22:47 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL092418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Sep
QLast Update : Tue Sep 25 05:17:15 2018
Response via : Initial Calibration





#1

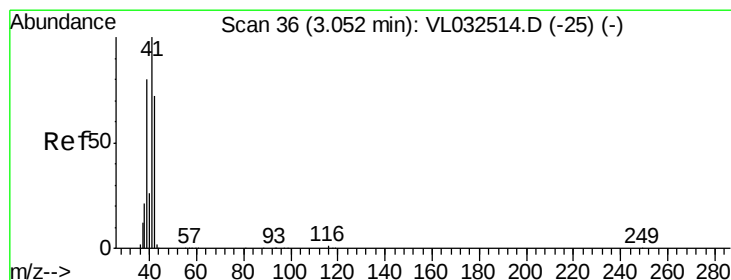
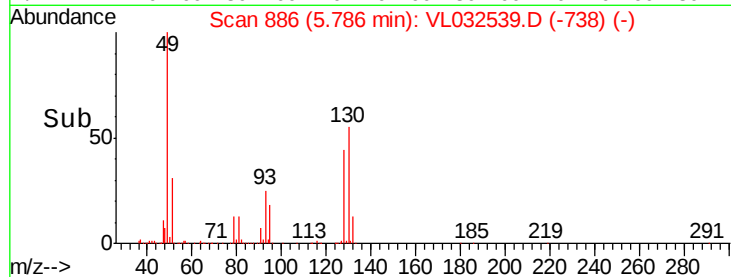
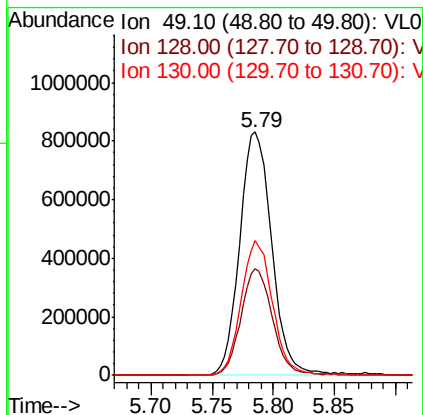
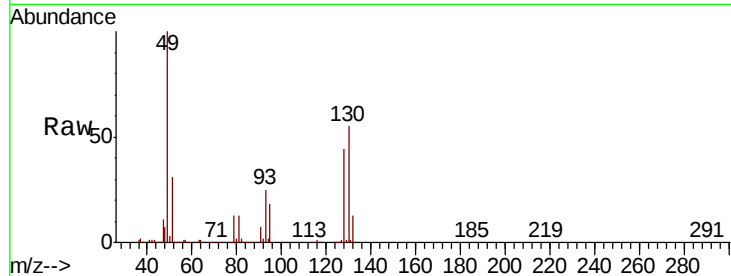
Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.79 min Scan# 886
 Delta R.T. -0.02 min
 Lab File: VL032539.D
 Acq: 25 Sep 2018 10:55

Instrument :
 MSVOA_L
 ClientSampleId :
 GAC-INF-092018DL

Tot Ion	Ratio	Lower	Upper
49	100		
128	43.3	20.7	62.1
130	54.3	26.6	79.7

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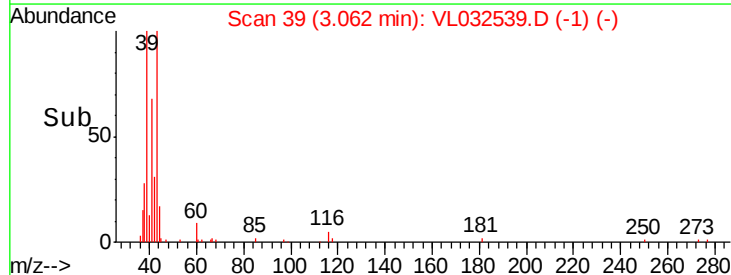
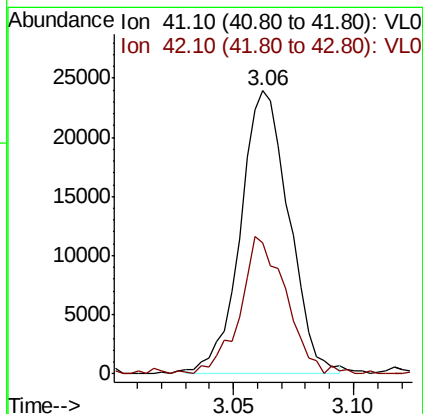
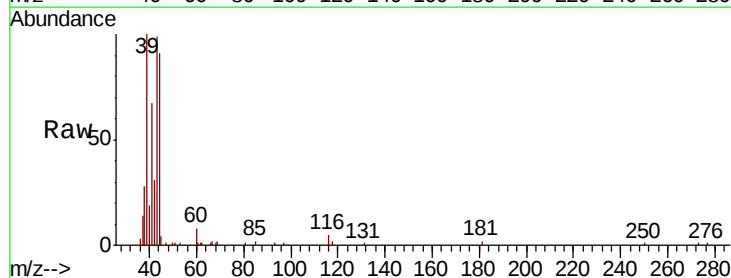
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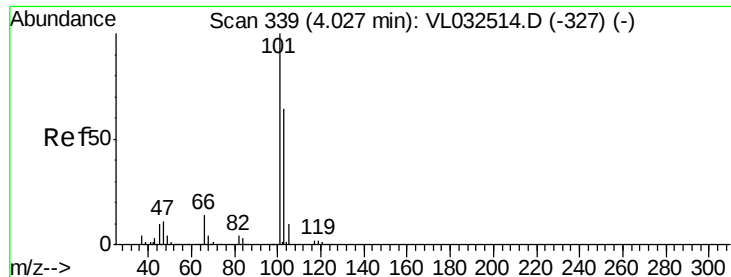


#9

Propene
 Concen: 0.623 ppbv m
 RT: 3.06 min Scan# 39
 Delta R.T. -0.01 min
 Lab File: VL032539.D
 Acq: 25 Sep 2018 10:55

Tgt Ion	Ratio	Lower	Upper
41	100		
42	208.0	56.6	84.8#





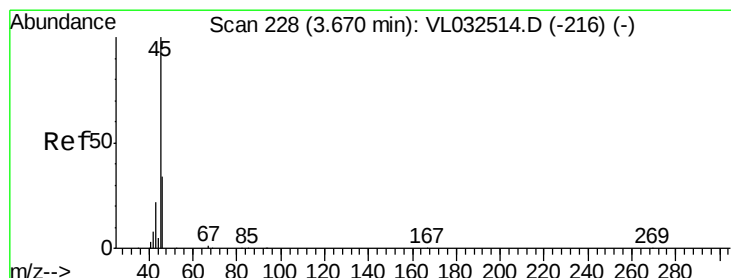
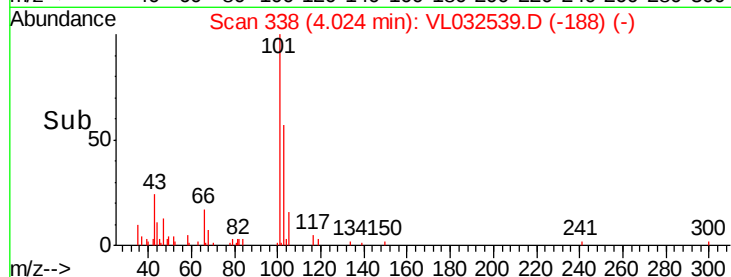
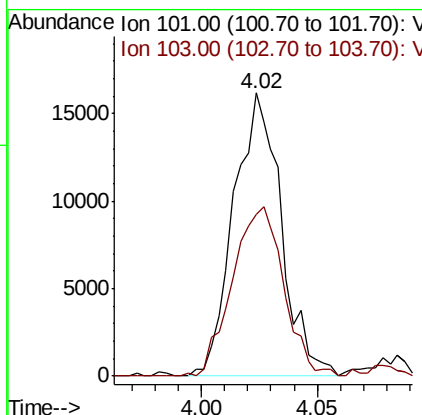
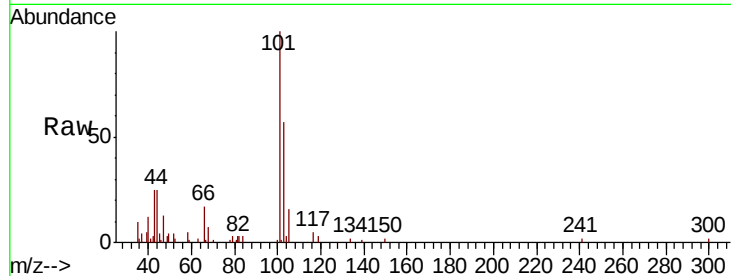
#11
 Trichlorofluoromethane
 Concen: 0.139 ppbv
 RT: 4.02 min Scan# 338
 Delta R.T. -0.02 min
 Lab File: VL032539.D
 Acq: 25 Sep 2018 10:55

Instrument :
 MSVOA_L
 ClientSampleId :
 GAC-INF-092018DL

Tot Ion	Ratio	Lower	Upper
101	100		
103	57.2	52.8	79.2

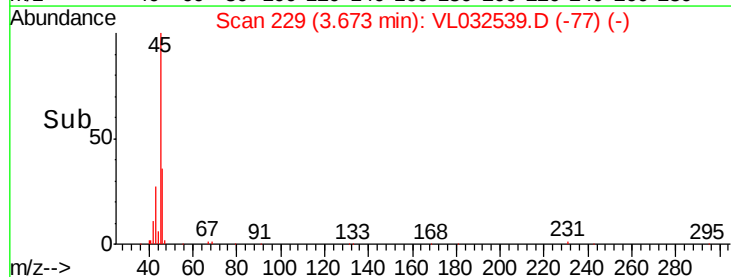
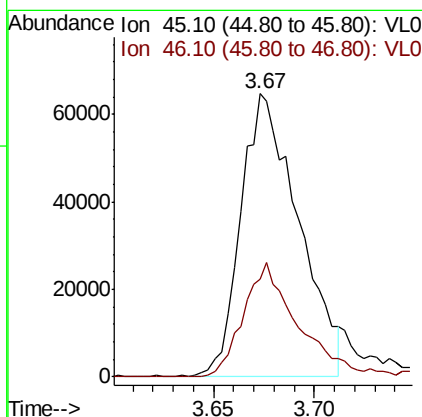
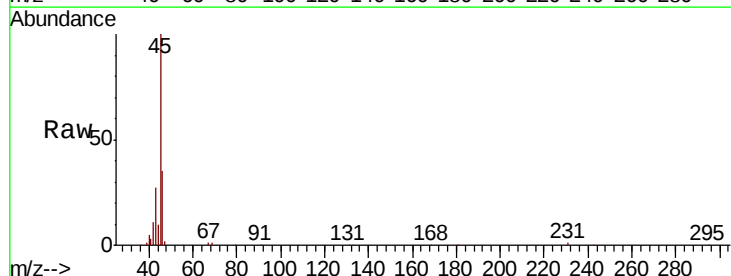
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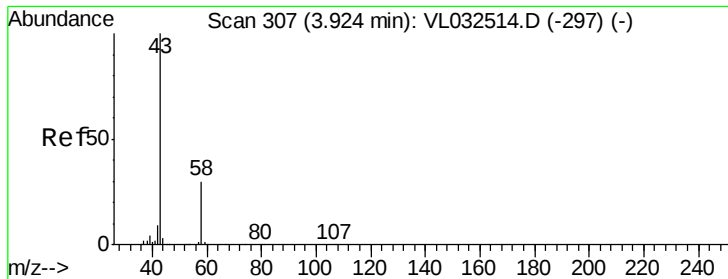
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#13
 Ethanol
 Concen: 7.917 ppbv
 RT: 3.67 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VL032539.D
 Acq: 25 Sep 2018 10:55

Tgt Ion	Ratio	Lower	Upper
45	100		
46	38.4	14.2	56.8





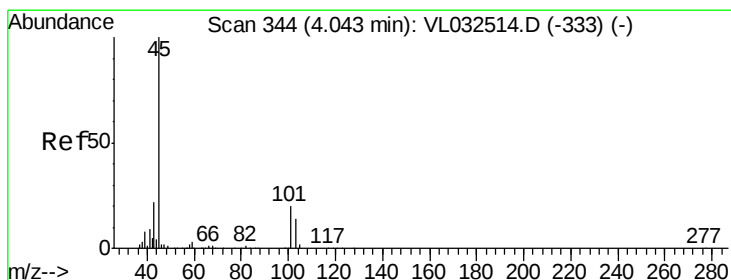
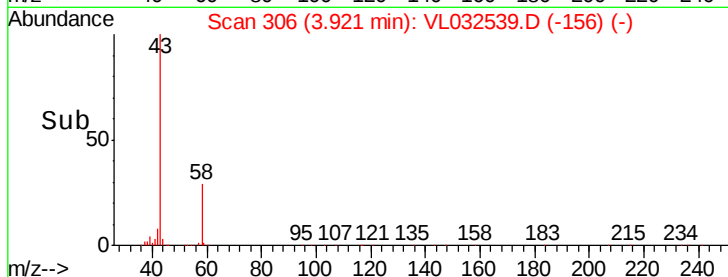
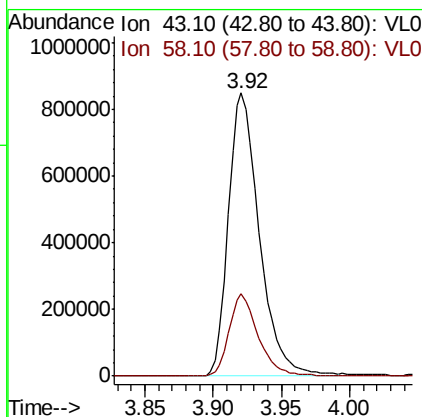
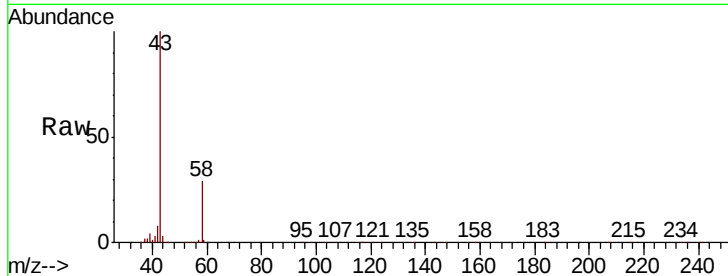
#15
Acetone
Concen: 10.135 ppbv
RT: 3.92 min Scan# 306
Delta R.T. -0.02 min
Lab File: VL032539.D
Acq: 25 Sep 2018 10:55

Instrument :
MSVOA_L
ClientSampleId :
GAC-INF-092018DL

Tot Ion: 43 Resp: 1338004
Ion Ratio Lower Upper
43 100
58 27.6 22.6 33.8

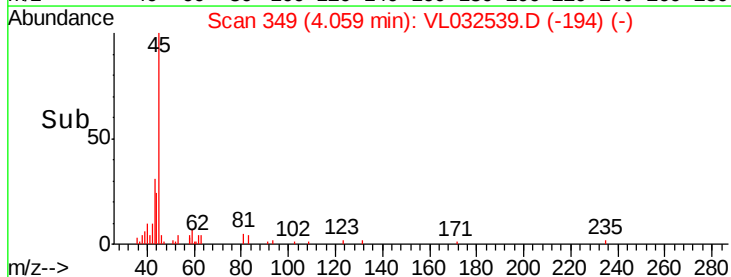
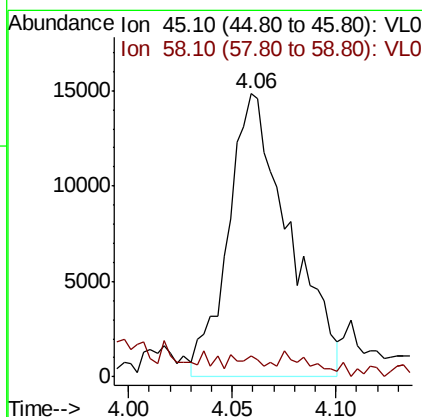
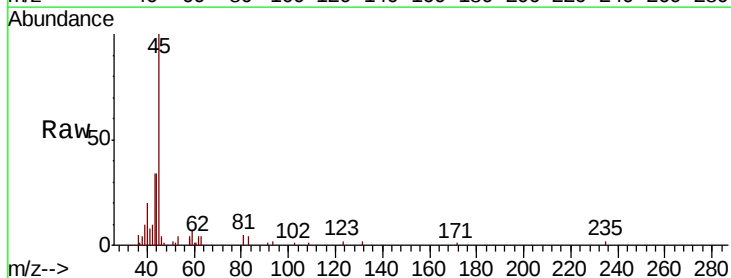
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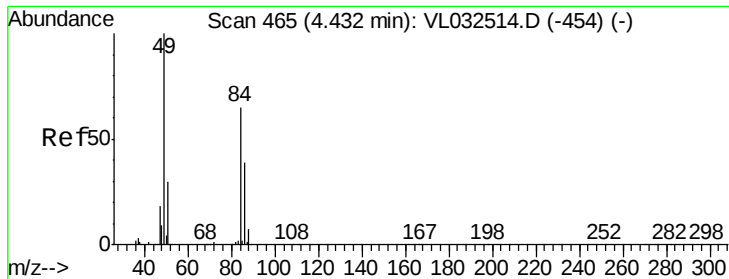
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#19
Isopropyl Alcohol
Concen: 0.329 ppbv m
RT: 4.06 min Scan# 349
Delta R.T. -0.00 min
Lab File: VL032539.D
Acq: 25 Sep 2018 10:55

Tgt Ion: 45 Resp: 30285
Ion Ratio Lower Upper
45 100
58 0.0 2.0 3.0#





#20

Methylene Chloride

Concen: 0.765 ppbv

RT: 4.43 min Scan# 464

Delta R.T. -0.02 min

Lab File: VL032539.D

Acq: 25 Sep 2018 10:55

Instrument :

MSVOA_L

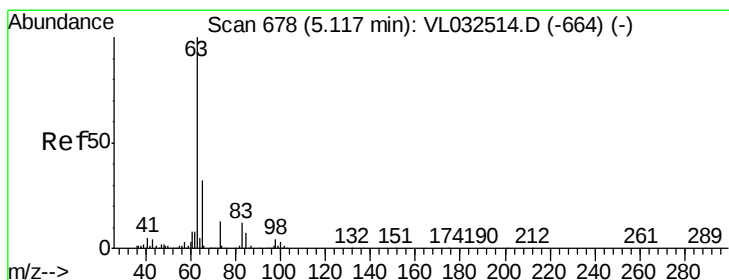
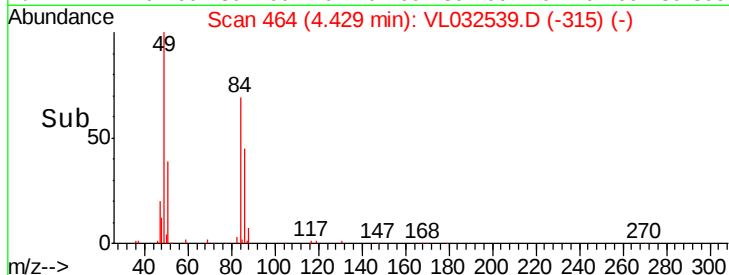
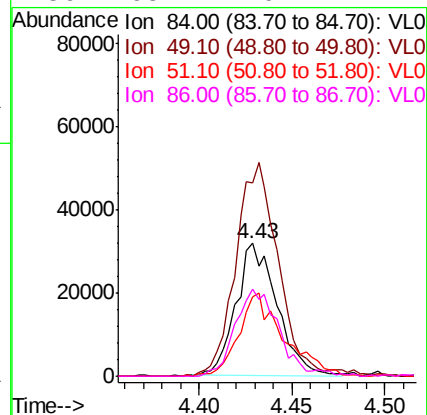
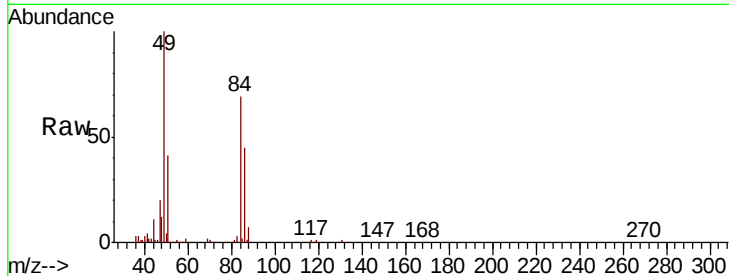
ClientSampleId :

GAC-INF-092018DL

Tot Ion:	84	Resp:	48932
Ion Ratio	Lower	Upper	
84	100		
49	146.3	119.1	178.7
51	59.5	35.2	52.8#
86	65.7	49.4	74.2

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#24

1,1-Dichloroethane

Concen: 0.703 ppbv

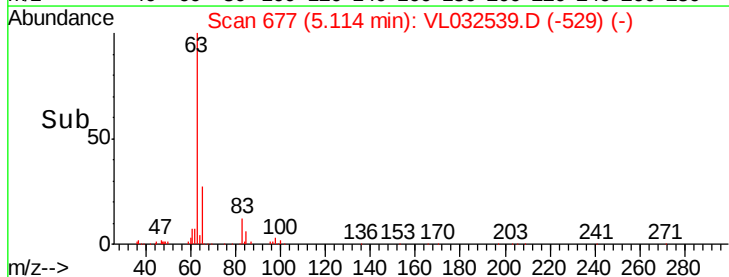
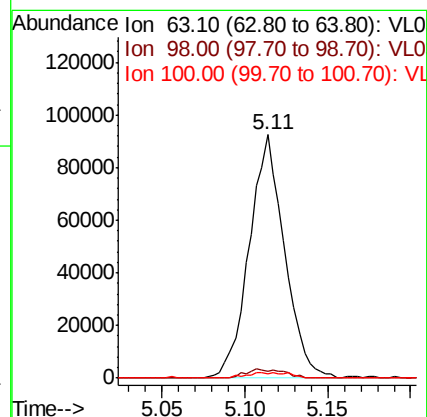
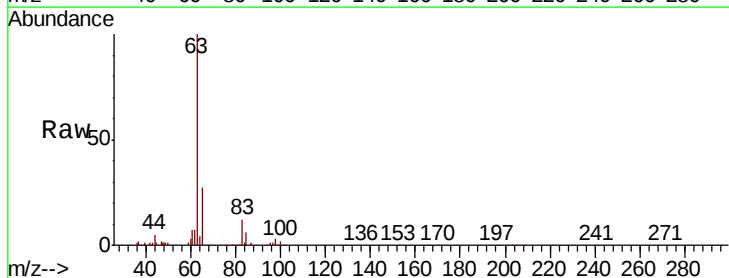
RT: 5.11 min Scan# 677

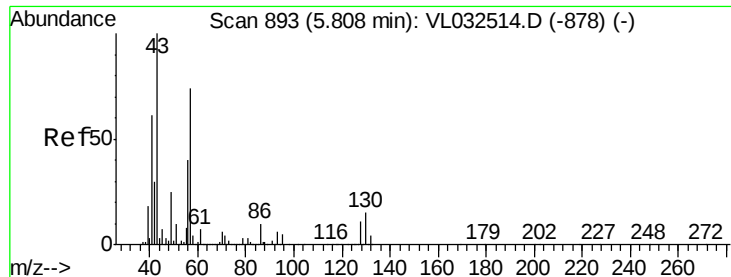
Delta R.T. -0.02 min

Lab File: VL032539.D

Acq: 25 Sep 2018 10:55

Tgt Ion:	63	Resp:	136634
Ion Ratio	Lower	Upper	
63	100		
98	2.6	2.1	6.5
100	1.5	1.5	4.4





#26

Hexane

Concen: 0.448 ppbv

RT: 5.80 min Scan# 892

Delta R.T. -0.02 min

Lab File: VL032539.D

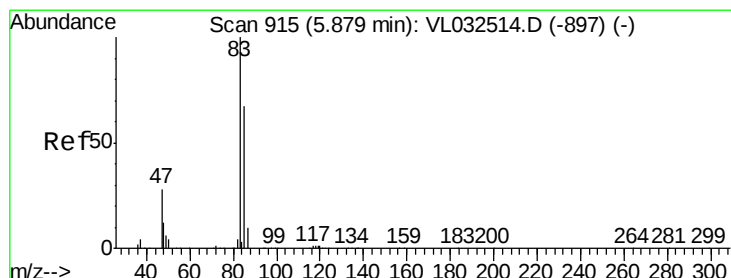
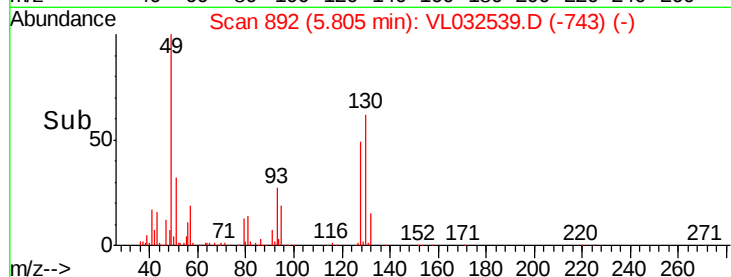
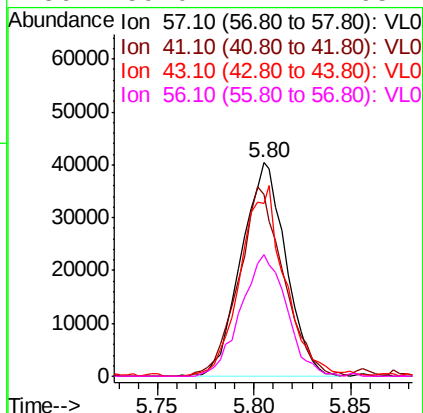
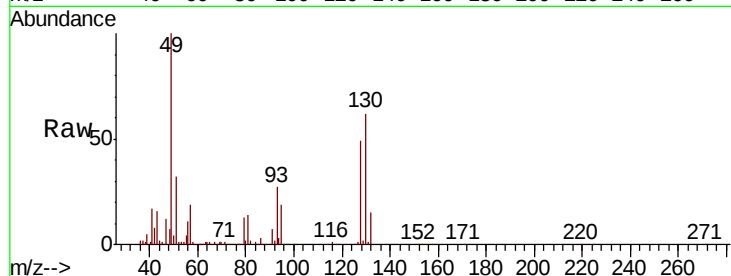
Acq: 25 Sep 2018 10:55

Instrument :
MSVOA_L
ClientSampleId :
GAC-INF-092018DL

Tot Ion	57	Resp	64807
Ion	Ratio	Lower	Upper
57	100		
41	90.6	69.0	103.4
43	89.1	172.1	258.1#
56	59.0	42.2	63.2

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#29

Chloroform

Concen: 0.277 ppbv m

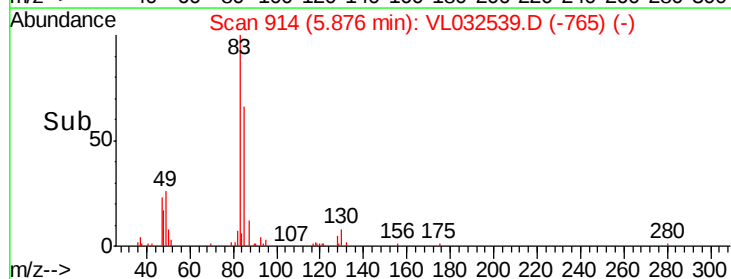
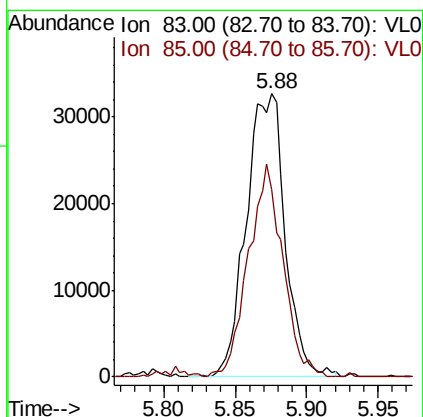
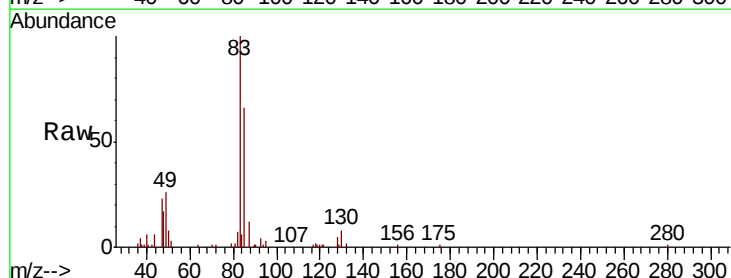
RT: 5.88 min Scan# 914

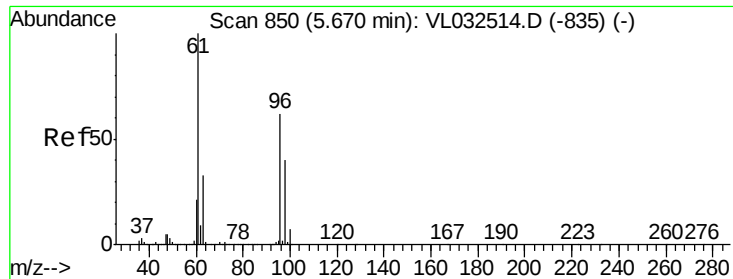
Delta R.T. -0.02 min

Lab File: VL032539.D

Acq: 25 Sep 2018 10:55

Tgt Ion	83	Resp	61552
Ion	Ratio	Lower	Upper
83	100		
85	66.1	52.5	78.7





#31

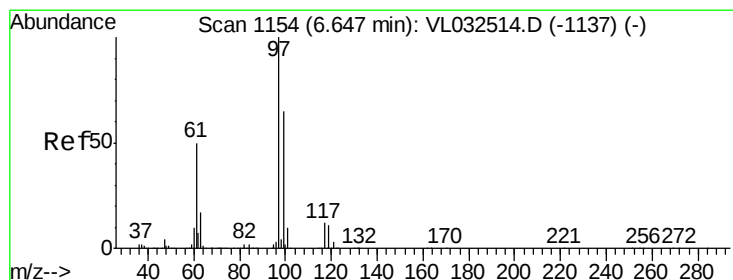
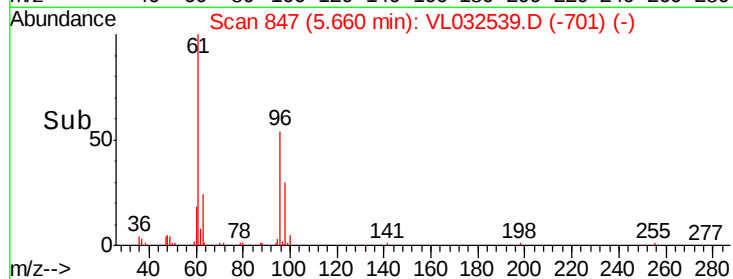
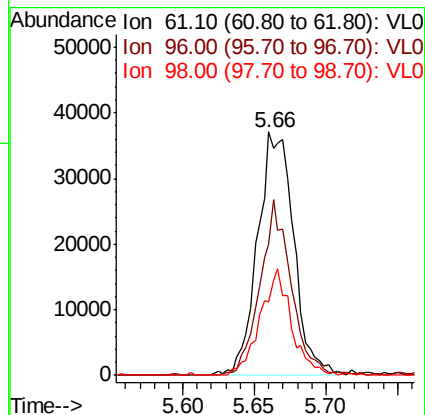
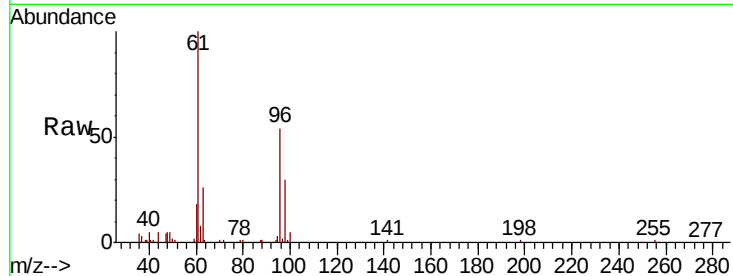
cis-1,2-Dichloroethene
 Concen: 0.474 ppbv
 RT: 5.66 min Scan# 847
 Delta R.T. -0.03 min
 Lab File: VL032539.D
 Acq: 25 Sep 2018 10:55

Instrument :
 MSVOA_L
 ClientSampleId :
 GAC-INF-092018DL

Tot Ion	Ratio	Lower	Upper
61	100		
96	53.8	49.2	73.8
98	30.0	30.7	46.1#

Manual Integrations
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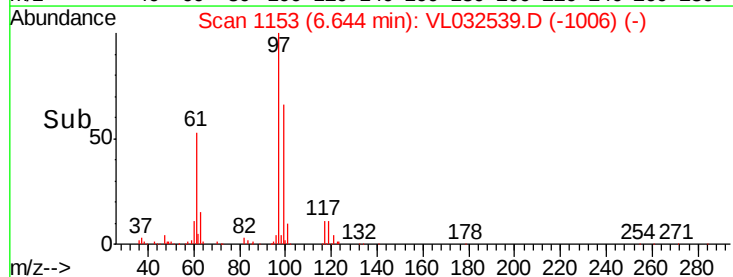
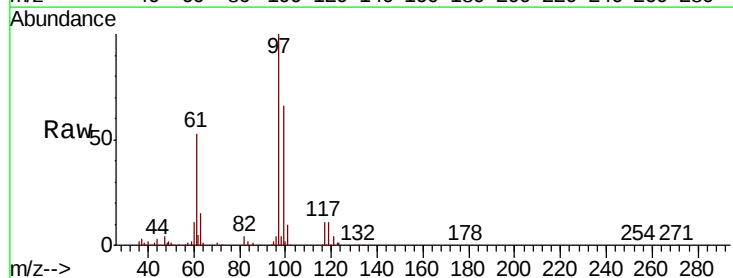
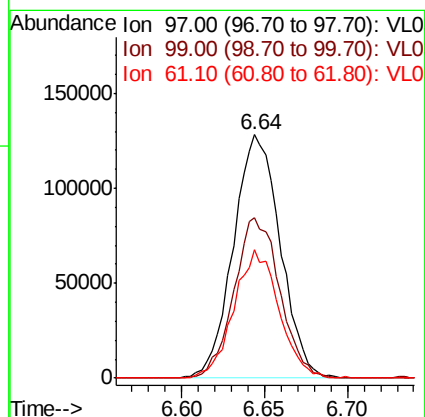
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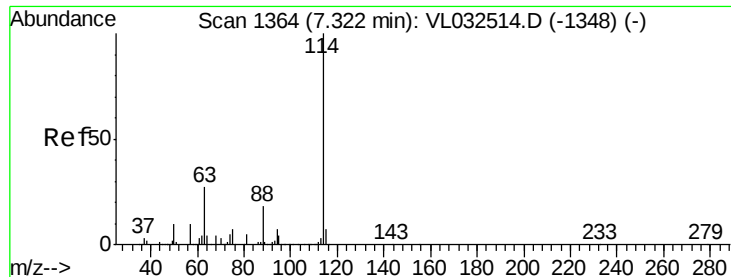


#32

1,1,1-Trichloroethane
 Concen: 1.062 ppbv
 RT: 6.64 min Scan# 1153
 Delta R.T. -0.03 min
 Lab File: VL032539.D
 Acq: 25 Sep 2018 10:55

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	52.1	78.1
61	50.7	42.5	63.7





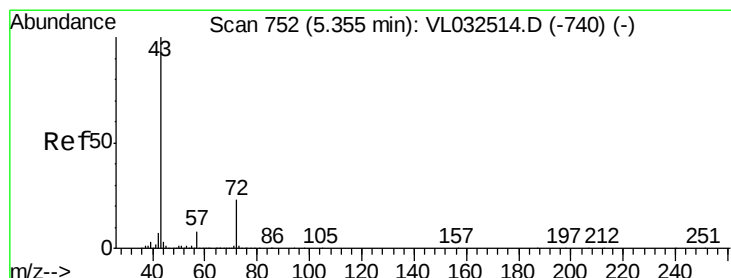
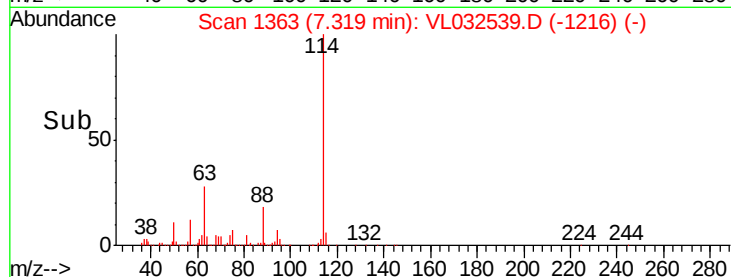
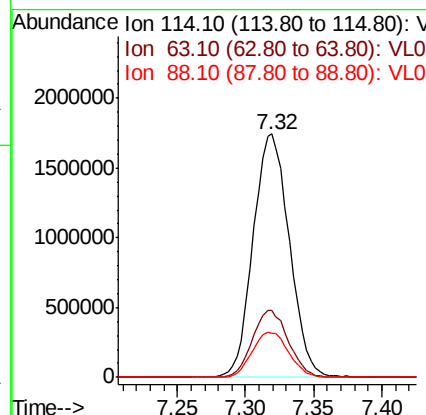
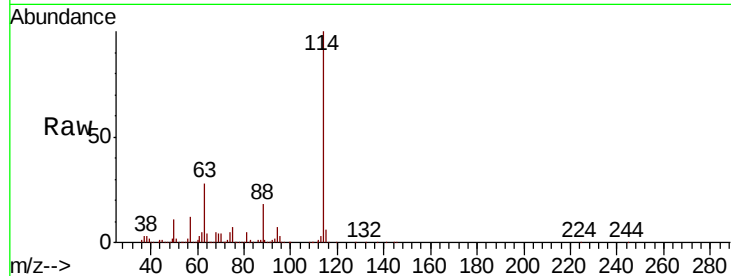
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.32 min Scan# 1363
 Delta R.T. -0.03 min
 Lab File: VL032539.D
 Acq: 25 Sep 2018 10:55

Instrument :
 MSVOA_L
 ClientSampleId :
 GAC-INF-092018DL

Tot Ion	Ratio	Lower	Upper
114	100		
63	27.6	22.2	33.4
88	18.8	15.0	22.4

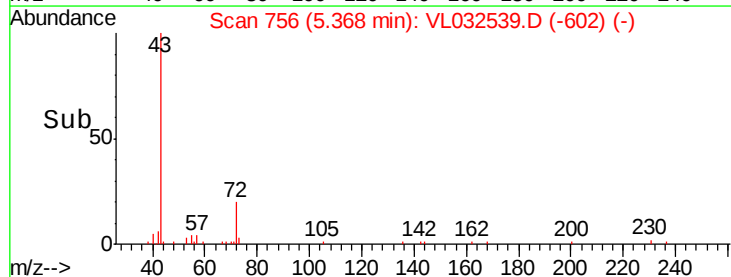
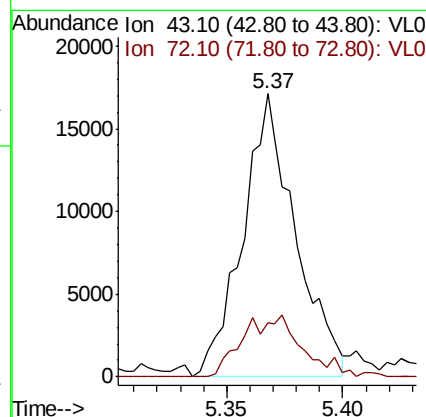
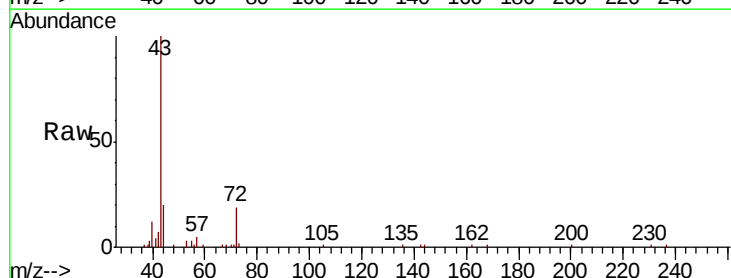
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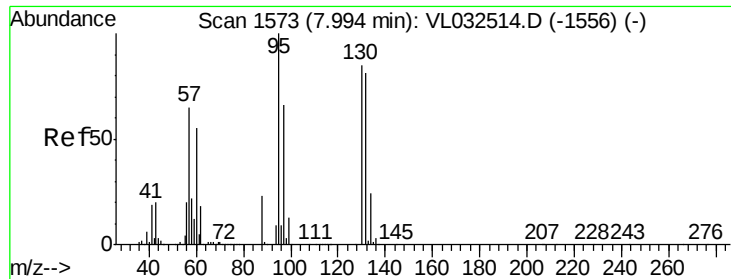
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#34
 2-Butanone
 Concen: 0.142 ppbv
 RT: 5.37 min Scan# 756
 Delta R.T. -0.01 min
 Lab File: VL032539.D
 Acq: 25 Sep 2018 10:55

Tgt Ion	Ratio	Lower	Upper
43	100		
72	24.9	17.8	26.6





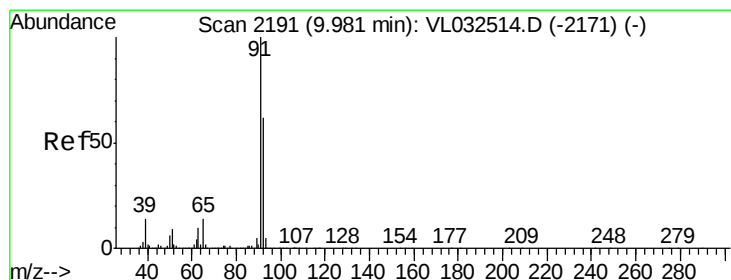
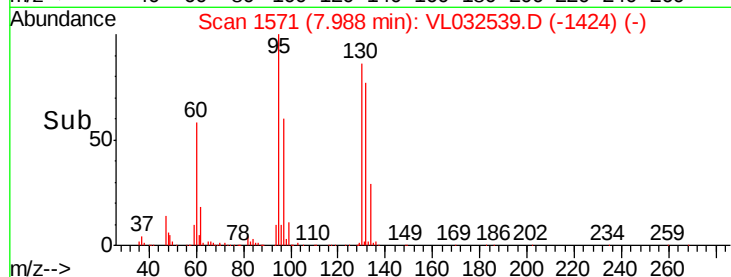
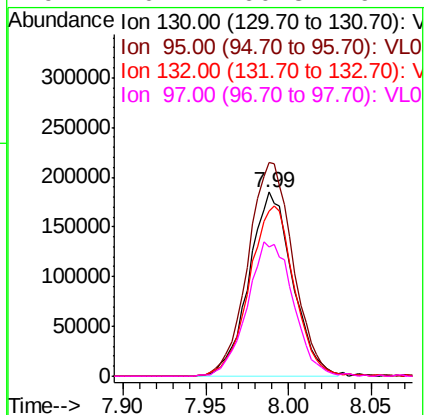
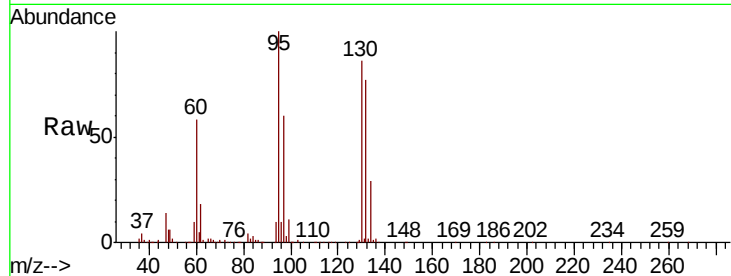
#38
 Trichloroethene
 Concen: 3.414 ppbv
 RT: 7.99 min Scan# 1571
 Delta R.T. -0.03 min
 Lab File: VL032539.D
 Acq: 25 Sep 2018 10:55

Instrument :
 MSVOA_L
 ClientSampleId :
 GAC-INF-092018DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
130	100		338989		
95	116.1	94.2	141.4		
132	89.7	76.2	114.4		
97	70.1	60.8	91.2		

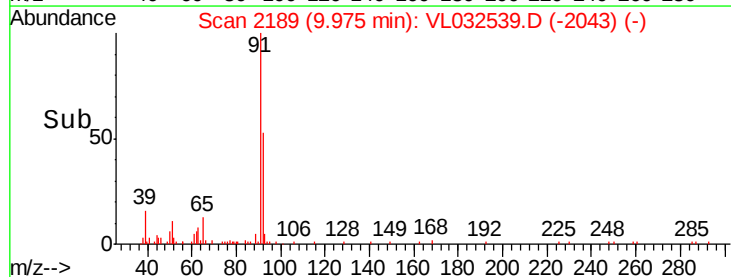
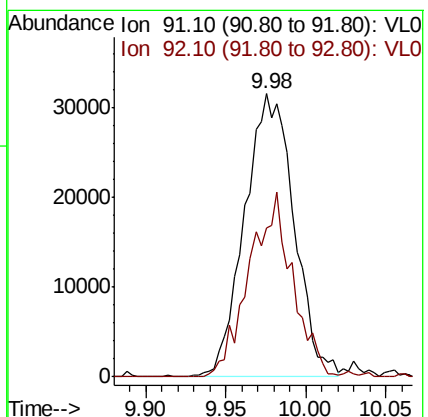
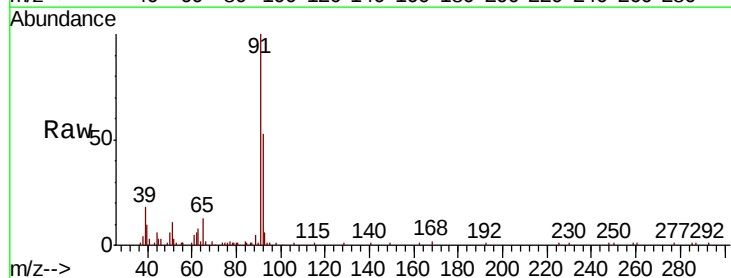
Manual Integrations
 APPROVED

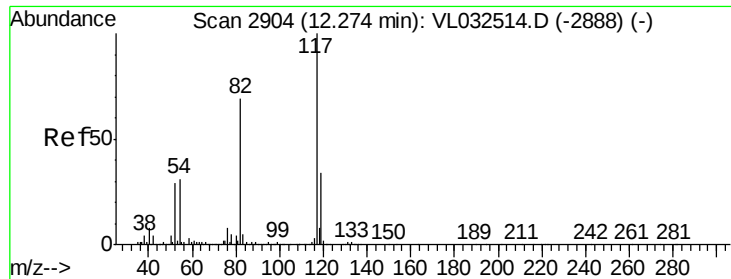
apatel
 9/26/2018 4:59:17 PM



#53
 Toluene
 Concen: 0.211 ppbv
 RT: 9.98 min Scan# 2189
 Delta R.T. -0.03 min
 Lab File: VL032539.D
 Acq: 25 Sep 2018 10:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		66754		
92	57.2	48.1	72.1		





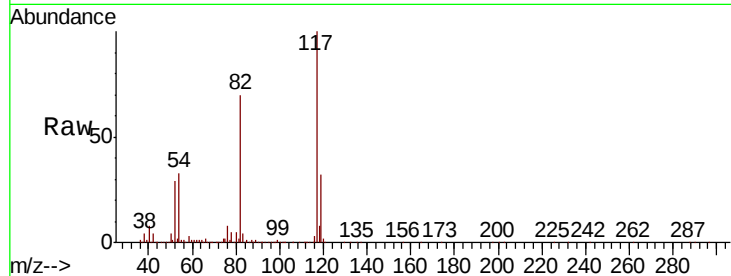
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.27 min Scan# 2903
Delta R.T. -0.03 min
Lab File: VL032539.D
Acq: 25 Sep 2018 10:55

Instrument :
MSVOA_L
ClientSampleId :
GAC-INF-092018DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	68.8	53.0	79.6
119	32.3	45.9	68.9#

Manual Integrations
APPROVED

apatel
9/26/2018 4:59:17 PM

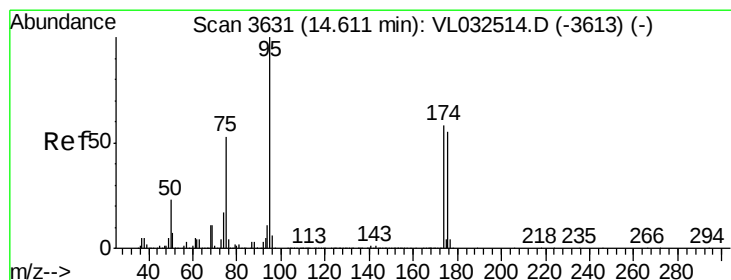
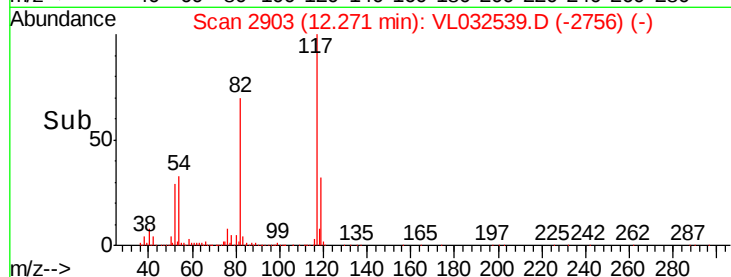
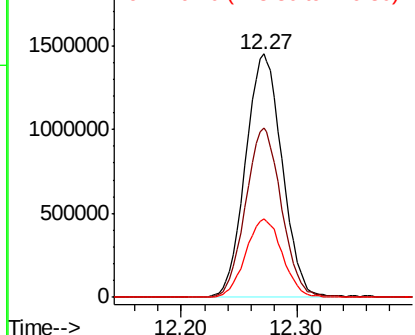


Abundance

Ion 117.10 (116.80 to 117.80): V

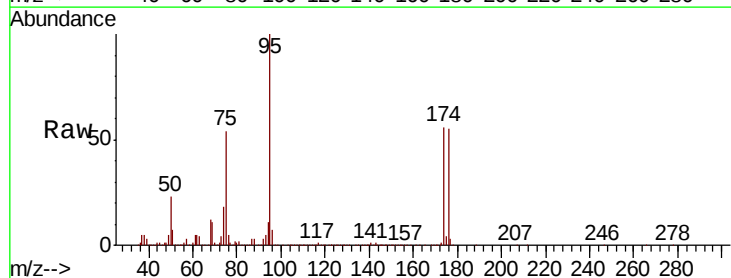
Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#68
1-Bromo-4-Fluorobenzene
Concen: 10.316 ppbv
RT: 14.61 min Scan# 3630
Delta R.T. -0.03 min
Lab File: VL032539.D
Acq: 25 Sep 2018 10:55

Tgt Ion	Ratio	Lower	Upper
95	100		
174	56.7	46.3	69.5
175	4.2	3.4	5.0



Abundance

Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

