

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061319\
 Data File : VL033906.D
 Acq On : 13 Jun 2019 20:44
 Operator : SY/AP
 Sample : K3357-01DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-2R-20190612DL

Manual Integrations
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 6/17/2019 12:37:10 AM

Quant Time: Jun 14 07:06:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL060719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 0
 QLast Update : Fri Jun 07 08:53:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.75	49	955687	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	2258126	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.22	117	2329993	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.56	95	1875233	9.80	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.03	41	37831	0.899	ppbv	95
13) Ethanol	3.64	45	56774m	4.145	ppbv	
15) Acetone	3.89	43	7464992	53.557	ppbv	90
17) tert-Butyl alcohol	4.35	59	110003	1.010	ppbv #	94
19) Isopropyl Alcohol	4.02	45	204202	2.565	ppbv #	94
20) Methylene Chloride	4.40	84	37754	0.695	ppbv	92
26) Hexane	5.77	57	18982	0.196	ppbv #	35
34) 2-Butanone	5.32	43	552444	4.337	ppbv	100
41) Tetrahydrofuran	6.14	42	24561m	0.380	ppbv	
51) 2-Hexanone	10.27	43	37187	0.251	ppbv #	95
52) Tetrachloroethene	11.36	164	6242m	0.103	ppbv	
53) Toluene	9.93	91	38500	0.202	ppbv	99
74) 1,2,4-Trimethylbenzene	16.91	105	50534	0.159	ppbv #	71

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

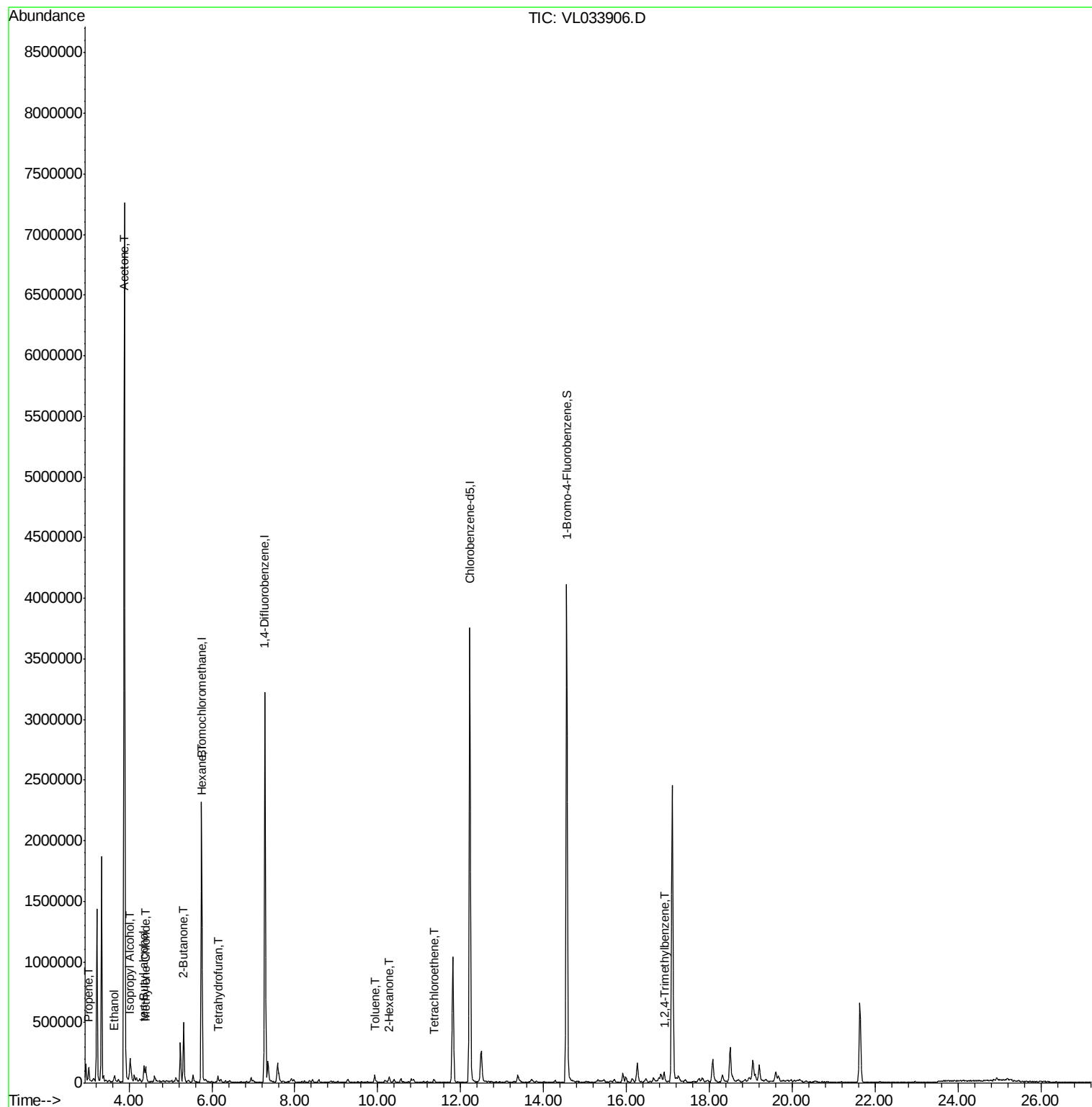
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061319\
Data File : VL033906.D
Acq On : 13 Jun 2019 20:44
Operator : SY/AP
Sample : K3357-01DL 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

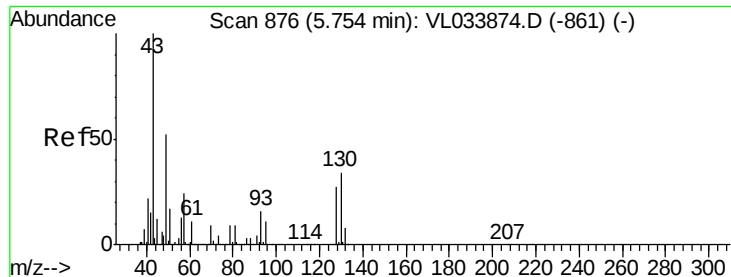
Instrument :
MSVOA_L
ClientSampleId :
SG-2R-20190612DL

Manual Integrations
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Quant Time: Jun 14 07:06:45 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL060719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun
QLast Update : Fri Jun 07 08:53:27 2019
Response via : Initial Calibration





#1

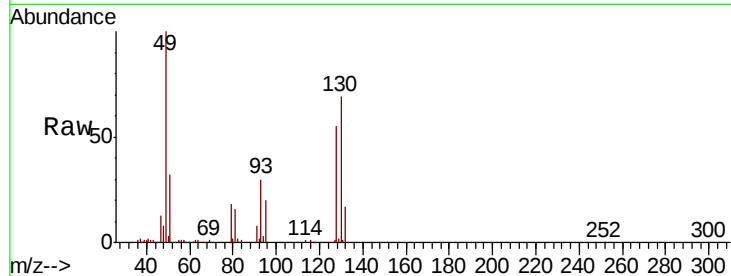
Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.75 min Scan# 875
 Delta R.T. -0.00 min
 Lab File: VL033906.D
 Acq: 13 Jun 2019 20:44

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-2R-20190612DL

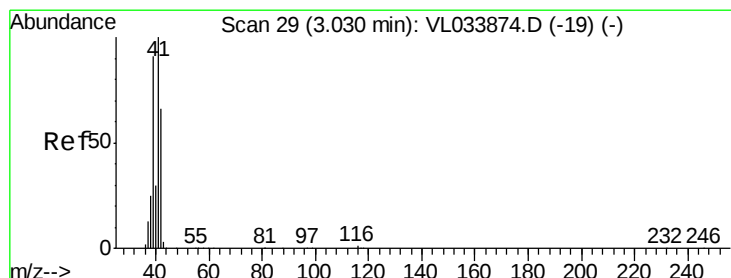
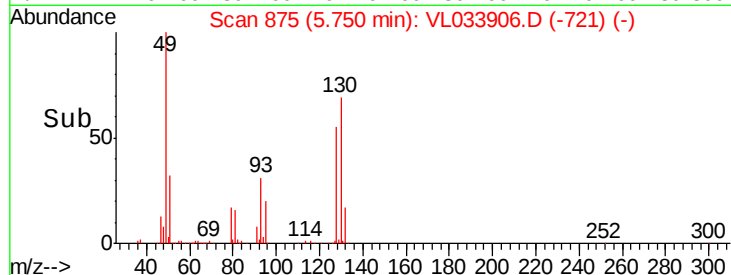
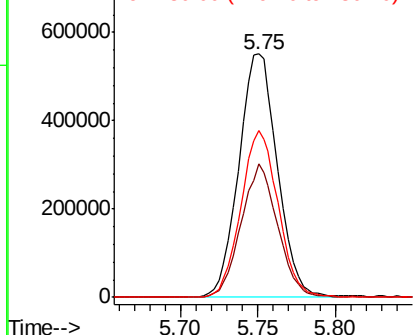
Tot Ion	Ratio	Lower	Upper
49	100		
128	52.0	25.5	76.5
130	66.9	32.5	97.4

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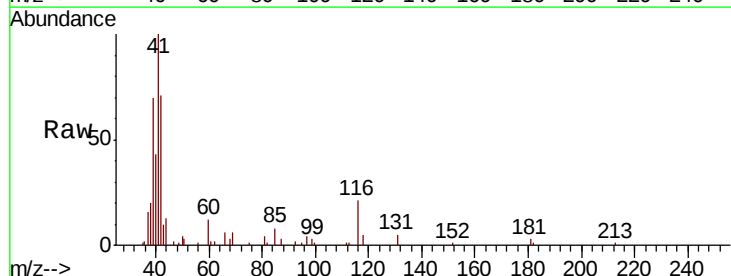
Abundance Ion 49.10 (48.80 to 49.80): VL0
 Ion 128.00 (127.70 to 128.70): V
 Ion 130.00 (129.70 to 130.70): V



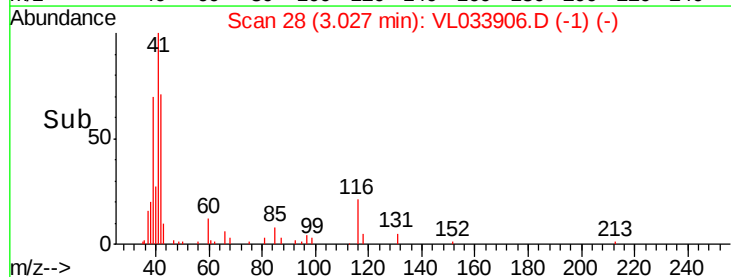
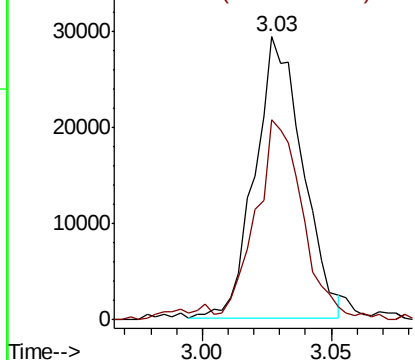
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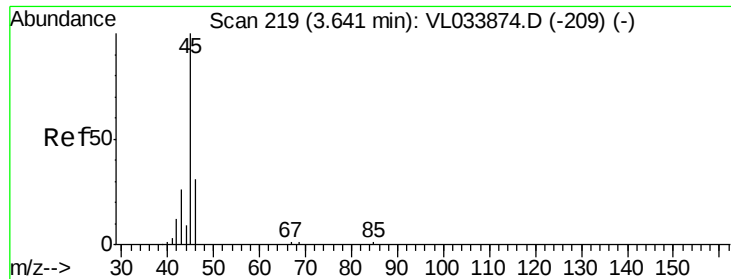
Propene
 Concen: 0.899 ppbv
 RT: 3.03 min Scan# 28
 Delta R.T. -0.00 min
 Lab File: VL033906.D
 Acq: 13 Jun 2019 20:44

Tgt Ion	Ratio	Lower	Upper
41	100		
42	74.9	56.3	84.5



Abundance Ion 41.10 (40.80 to 41.80): VL0
 Ion 42.10 (41.80 to 42.80): VL0





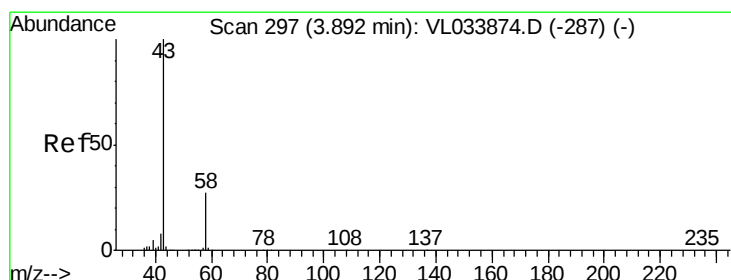
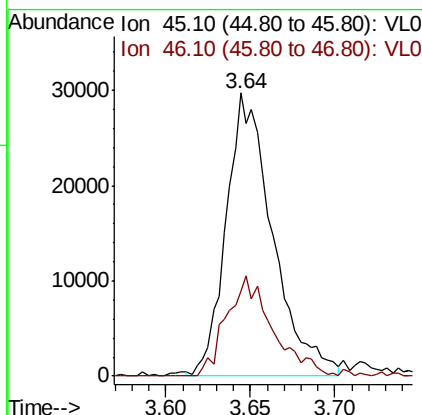
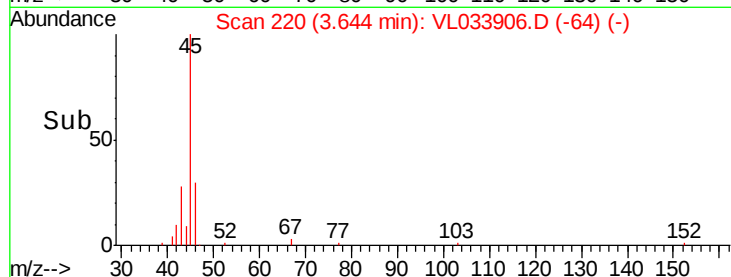
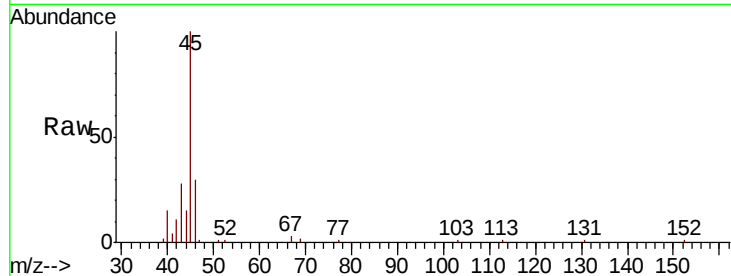
#13
Ethanol
Concen: 4.145 ppbv m
RT: 3.64 min Scan# 220
Delta R.T. 0.00 min
Lab File: VL033906.D
Acq: 13 Jun 2019 20:44

Instrument :
MSVOA_L
ClientSampleId :
SG-2R-20190612DL

Tot Ion	45	46	Ratio	Lower	Upper
56774	100	0.0		15.3	61.1#

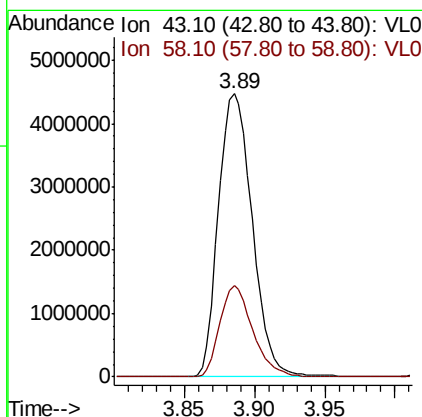
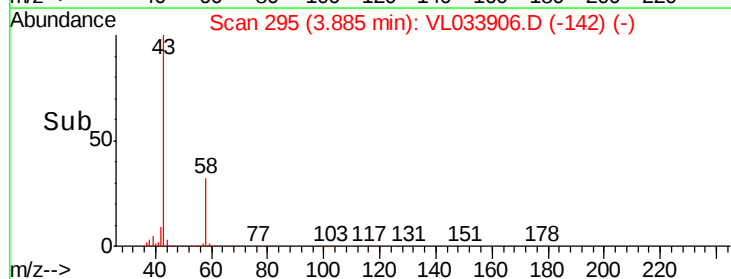
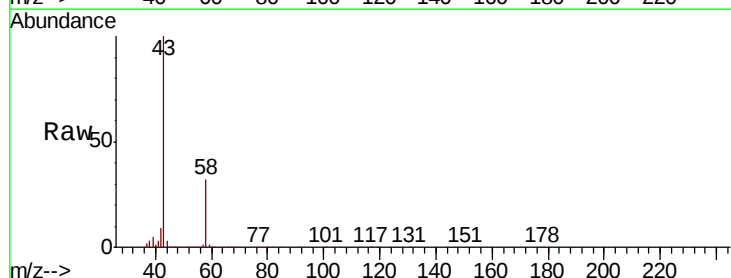
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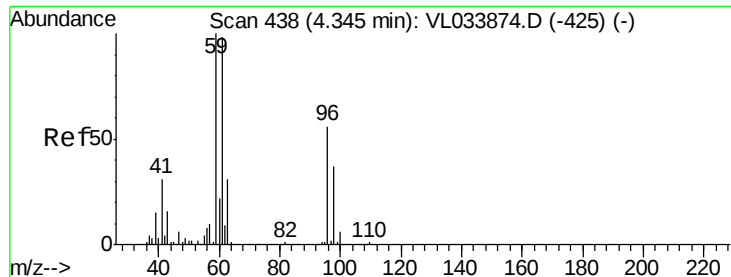
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#15
Acetone
Concen: 53.557 ppbv
RT: 3.89 min Scan# 295
Delta R.T. -0.01 min
Lab File: VL033906.D
Acq: 13 Jun 2019 20:44

Tgt Ion	43	58	Ratio	Lower	Upper
7464992	100	31.8		21.3	31.9





#17

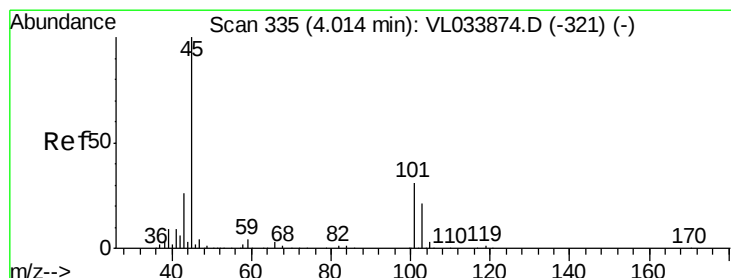
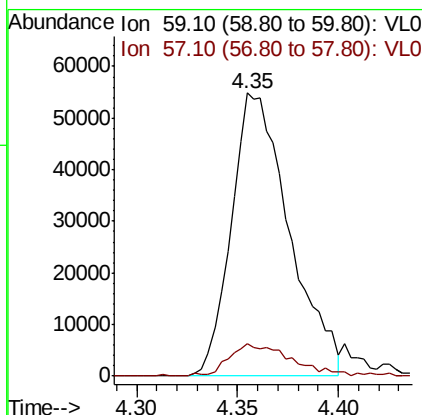
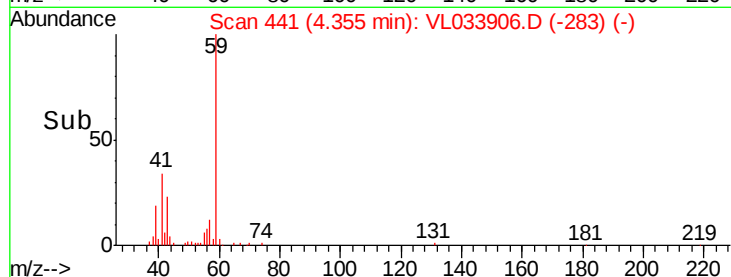
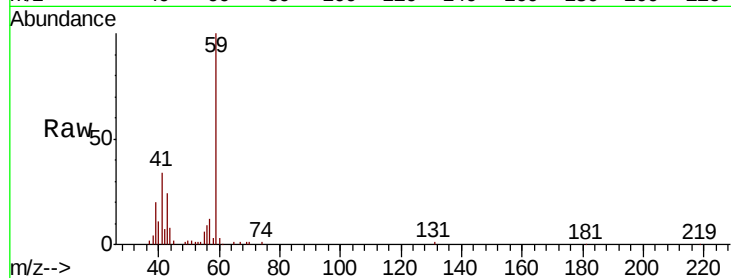
tert-Butyl alcohol
Concen: 1.010 ppbv
RT: 4.35 min Scan# 441
Delta R.T. 0.01 min
Lab File: VL033906.D
Acq: 13 Jun 2019 20:44

Instrument :
MSVOA_L
ClientSampleId :
SG-2R-20190612DL

Tot Ion: 59 Resp: 110003
Ion Ratio Lower Upper
59 100
57 12.7 8.4 12.6#

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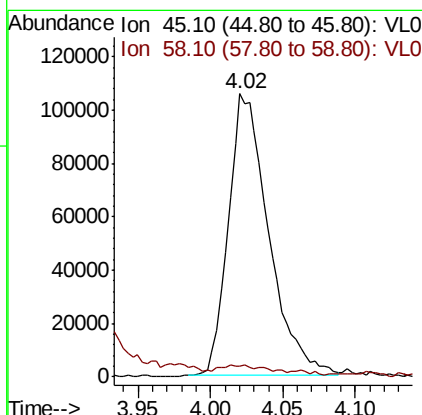
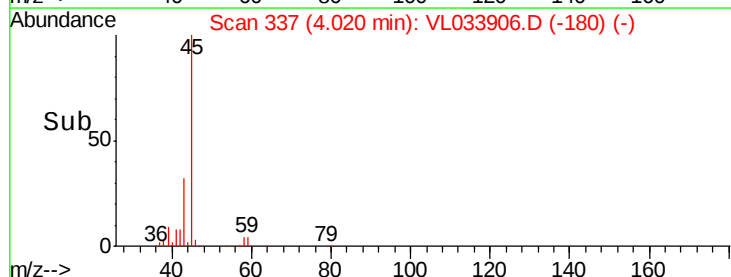
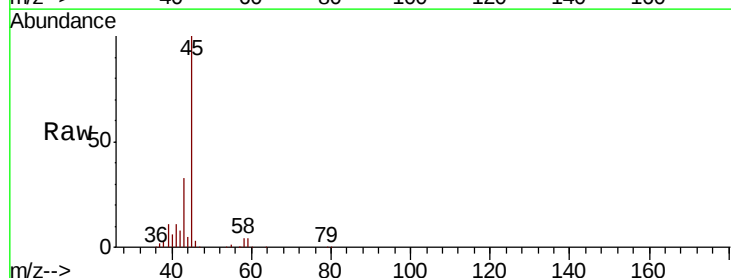
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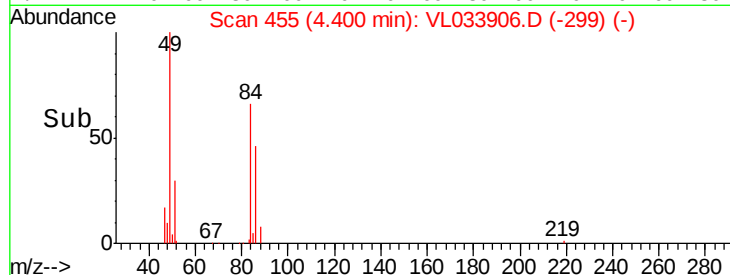
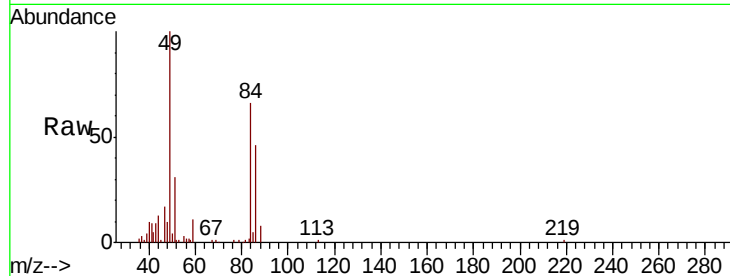
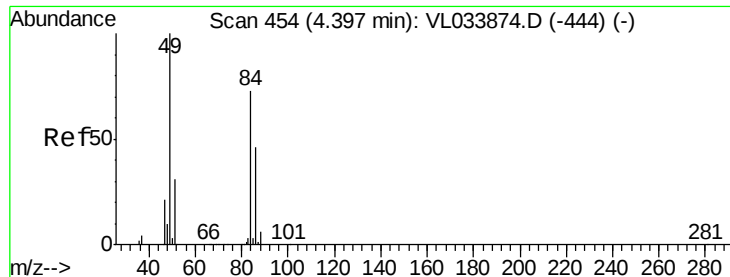


#19

Isopropyl Alcohol
Concen: 2.565 ppbv
RT: 4.02 min Scan# 337
Delta R.T. 0.01 min
Lab File: VL033906.D
Acq: 13 Jun 2019 20:44

Tgt Ion: 45 Resp: 204202
Ion Ratio Lower Upper
45 100
58 0.0 1.8 2.6#





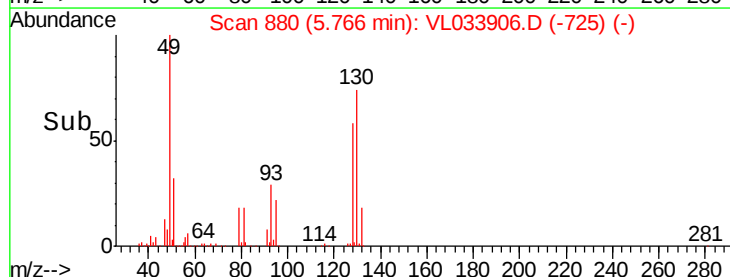
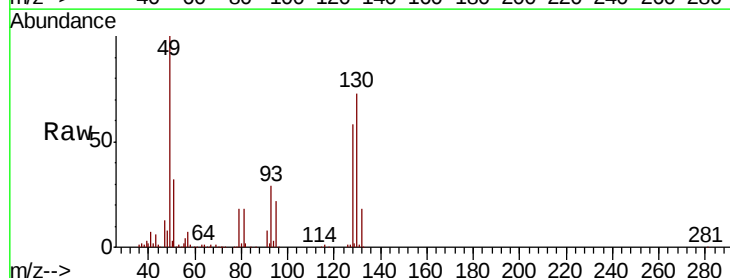
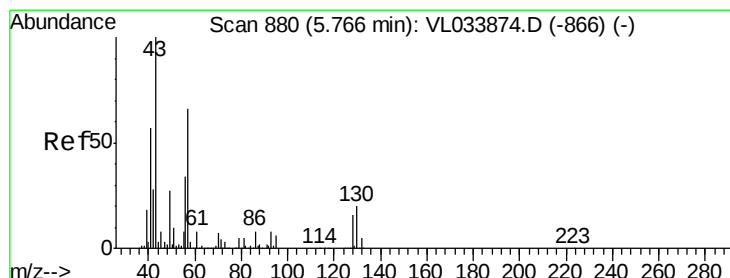
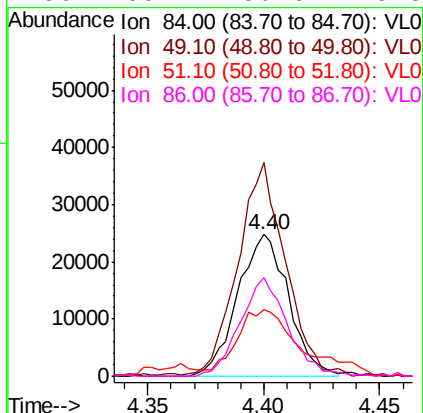
#20
Methvlene Chloride
Concen: 0.695 ppbv
RT: 4.40 min Scan# 455
Delta R.T. 0.00 min
Lab File: VL033906.D
Acq: 13 Jun 2019 20:44

Tot Ion	84	Resp	37754
Ion Ratio	Lower	Upper	
84	100		
49	148.9	110.0	165.0
51	44.2	34.6	51.8
86	69.4	50.6	75.8

Instrument :
MSVOA_L
ClientSampleId :
SG-2R-20190612DL

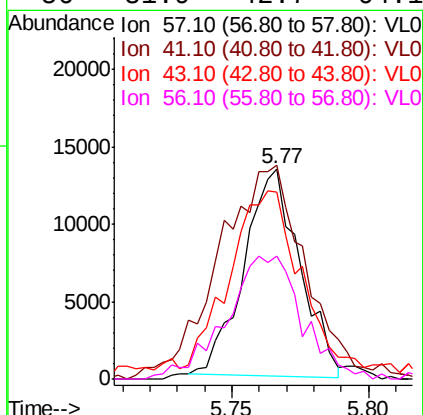
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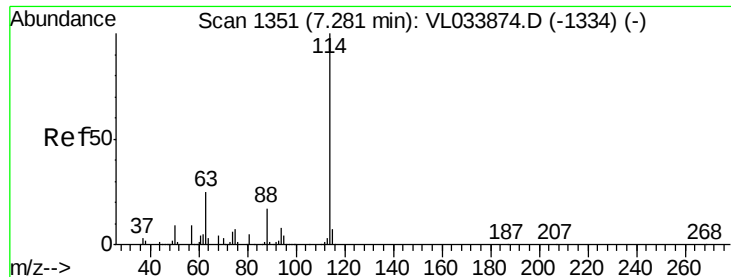
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#26
Hexane
Concen: 0.196 ppbv
RT: 5.77 min Scan# 880
Delta R.T. -0.00 min
Lab File: VL033906.D
Acq: 13 Jun 2019 20:44

Tgt Ion	57	Resp	18982
Ion Ratio	Lower	Upper	
57	100		
41	163.3	71.4	107.2#
43	121.4	183.7	275.5#
56	81.9	42.7	64.1#





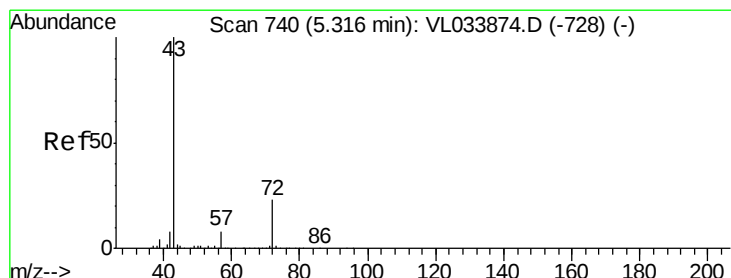
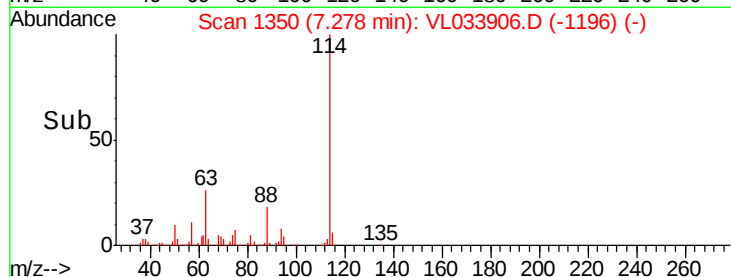
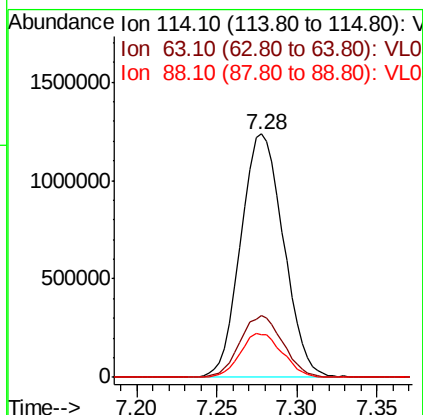
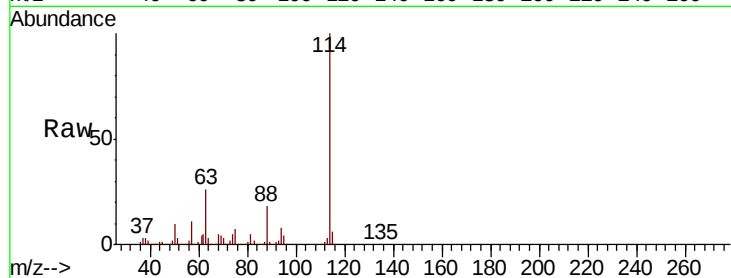
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.28 min Scan# 1350
 Delta R.T. -0.00 min
 Lab File: VL033906.D
 Acq: 13 Jun 2019 20:44

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-2R-20190612DL

Tot Ion	Ratio	Lower	Upper
114	100		
63	25.6	21.1	31.7
88	17.8	14.2	21.4

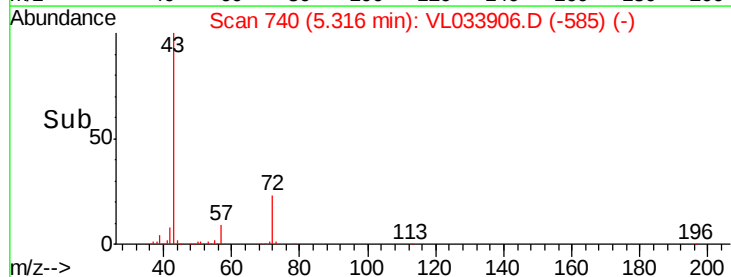
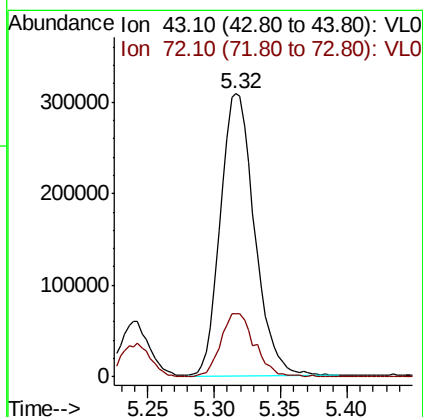
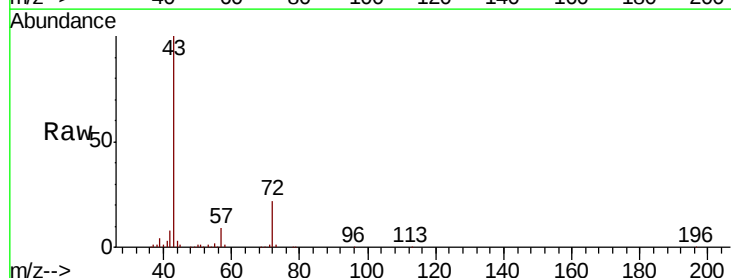
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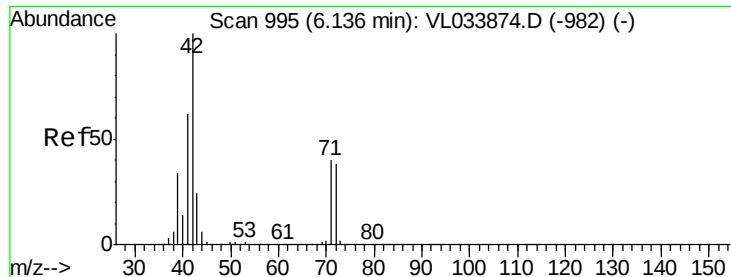
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#34
 2-Butanone
 Concen: 4.337 ppbv
 RT: 5.32 min Scan# 740
 Delta R.T. -0.00 min
 Lab File: VL033906.D
 Acq: 13 Jun 2019 20:44

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.5	17.9	26.9





#41

Tetrahydrofuran

Concen: 0.380 ppbv m

RT: 6.14 min Scan# 996

Delta R.T. 0.00 min

Lab File: VL033906.D

Acq: 13 Jun 2019 20:44

Instrument :

MSVOA_L

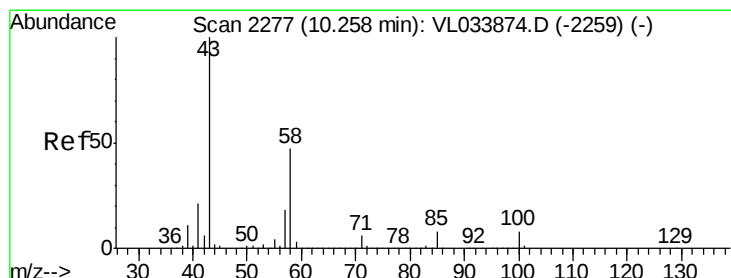
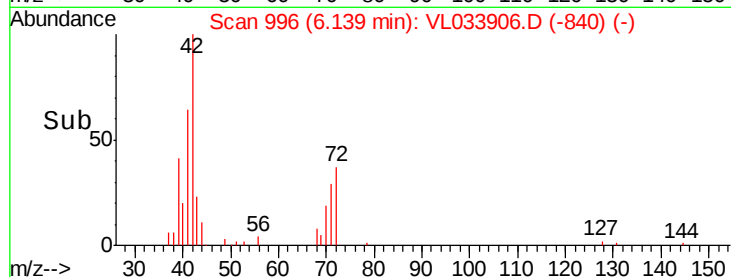
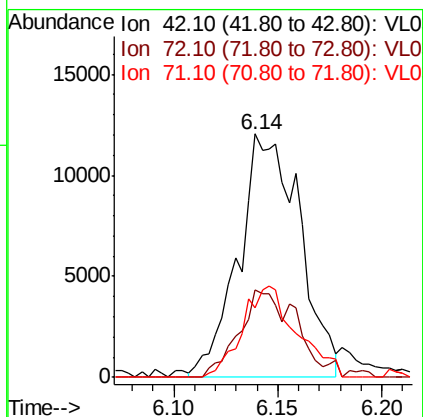
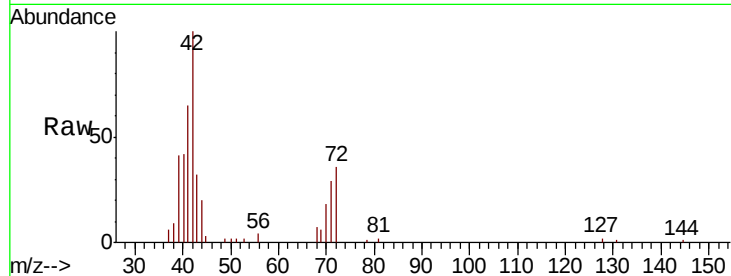
ClientSampleId :

SG-2R-20190612DL

Tot Ion:	42	Resp:	24561
Ion Ratio	Lower	Upper	
42	100		
72	0.0	32.2	48.4#
71	0.0	31.7	47.5#

Manual Integrations
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#51

2-Hexanone

Concen: 0.251 ppbv

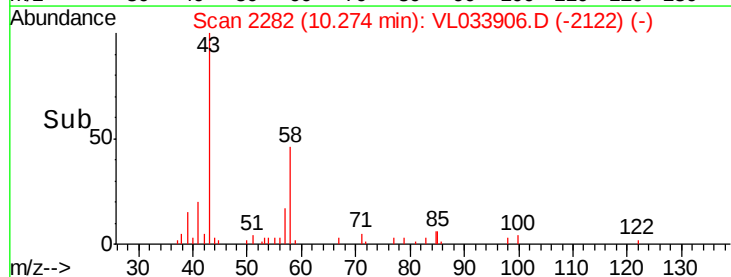
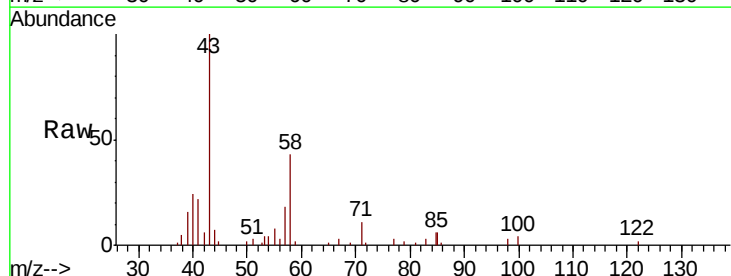
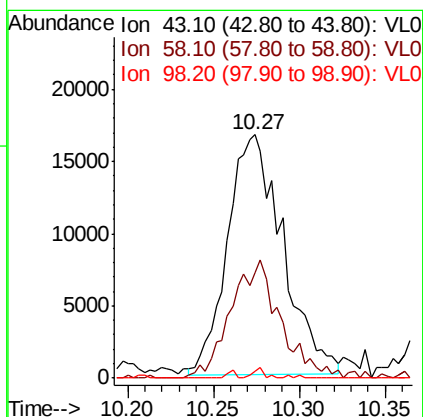
RT: 10.27 min Scan# 2282

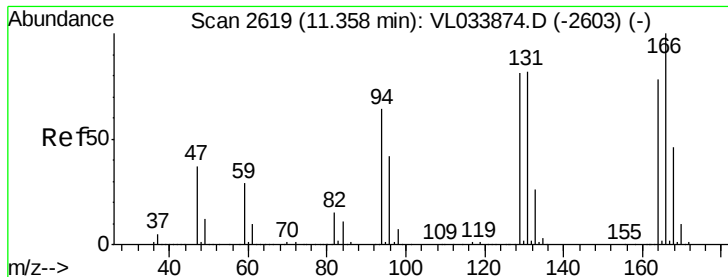
Delta R.T. 0.02 min

Lab File: VL033906.D

Acq: 13 Jun 2019 20:44

Tgt Ion:	43	Resp:	37187
Ion Ratio	Lower	Upper	
43	100		
58	44.6	38.2	57.4
98	1.5	0.2	0.2#





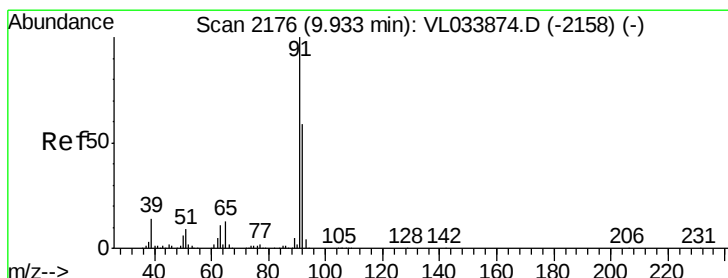
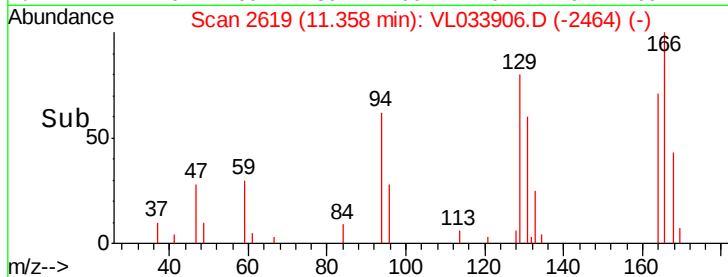
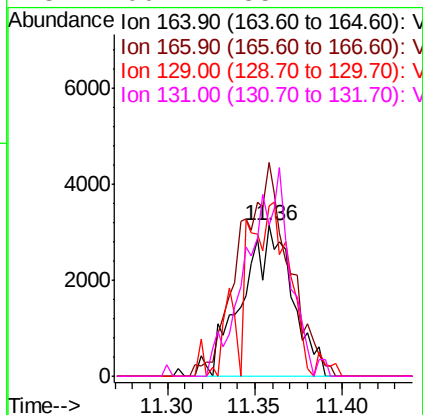
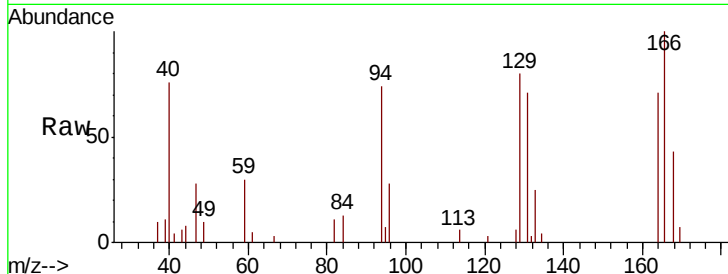
#52
Tetrachloroethene
Concen: 0.103 ppbv m
RT: 11.36 min Scan# 2619
Delta R.T. -0.00 min
Lab File: VL033906.D
Acq: 13 Jun 2019 20:44

Instrument :
MSVOA_L
ClientSampleId :
SG-2R-20190612DL

Tot Ion	Ratio	Lower	Upper
164	100		
166	141.5	103.1	154.7
129	112.6	83.9	125.9
131	100.4	85.1	127.7

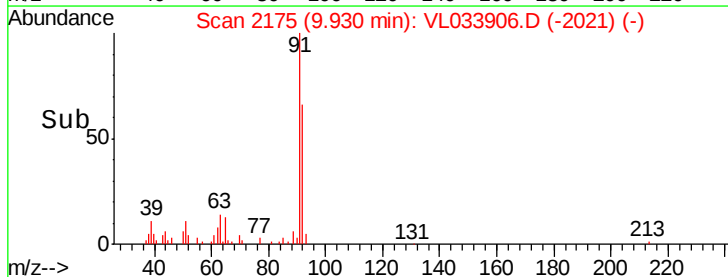
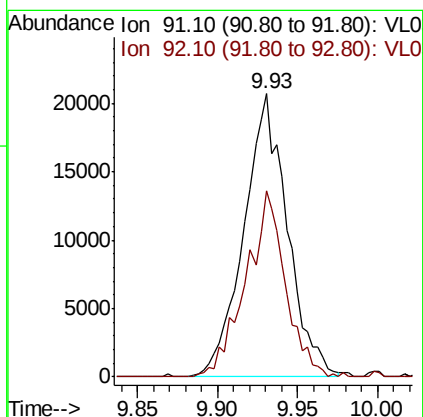
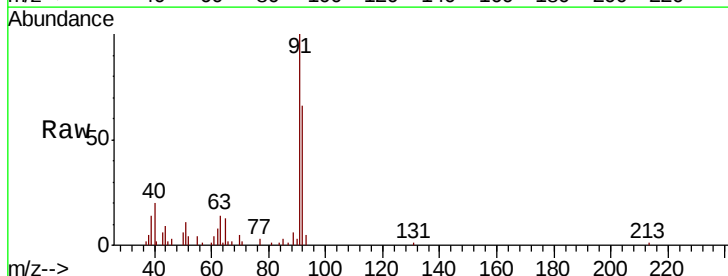
Manual Integrations
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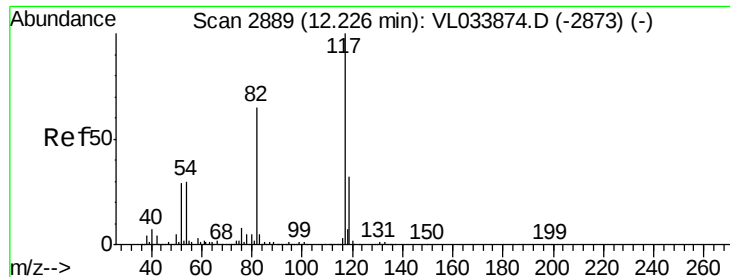
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#53
Toluene
Concen: 0.202 ppbv
RT: 9.93 min Scan# 2175
Delta R.T. -0.00 min
Lab File: VL033906.D
Acq: 13 Jun 2019 20:44

Tgt Ion	Ratio	Lower	Upper
91	100		
92	59.8	47.0	70.6





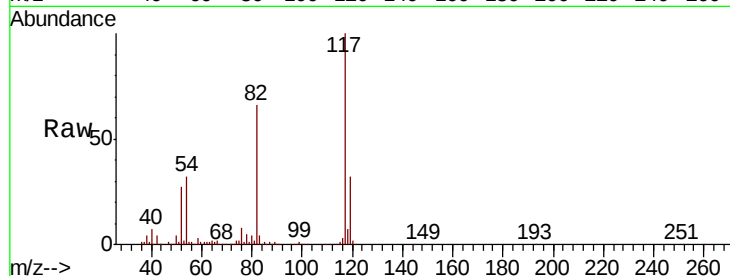
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.22 min Scan# 2887
Delta R.T. -0.01 min
Lab File: VL033906.D
Acq: 13 Jun 2019 20:44

Instrument :
MSVOA_L
ClientSampleId :
SG-2R-20190612DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	65.5	50.2	75.2
119	32.4	24.8	37.2

Manual Integrations
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6/17/2019 12:37:10 AM

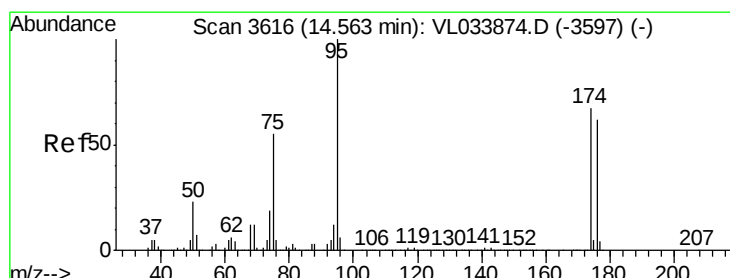
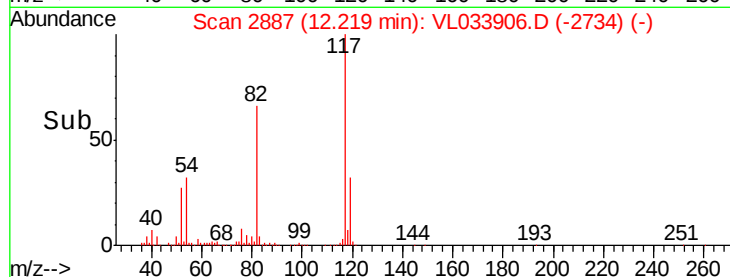
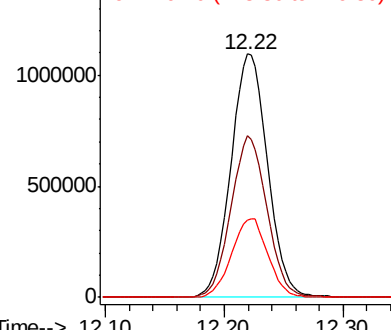


Abundance

Ion 117.10 (116.80 to 117.80): V

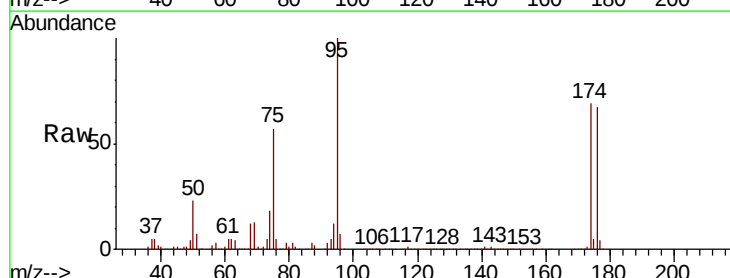
Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#68
1-Bromo-4-Fluorobenzene
Concen: 9.798 ppbv
RT: 14.56 min Scan# 3614
Delta R.T. -0.01 min
Lab File: VL033906.D
Acq: 13 Jun 2019 20:44

Tgt Ion	Ratio	Lower	Upper
95	100		
174	68.0	54.0	81.0
175	4.8	3.8	5.8

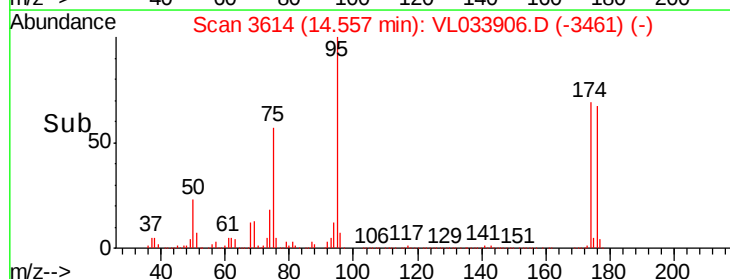
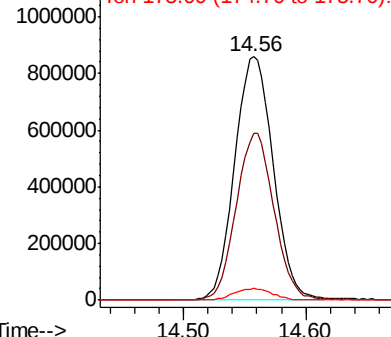


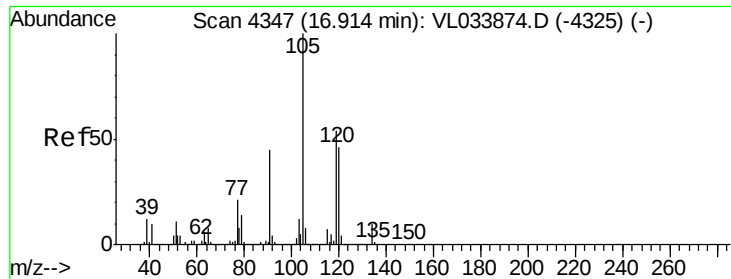
Abundance

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





#74
 1,2,4-Trimethylbenzene
 Concen: 0.159 ppbv
 RT: 16.91 min Scan# 4346
 Delta R.T. -0.00 min
 Lab File: VL033906.D
 Acq: 13 Jun 2019 20:44

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-2R-20190612DL

Tot Ion:	105	Resp:	50534
Ion Ratio	Lower	Upper	
105	100		
120	39.1	36.7	55.1
91	9.8	35.8	53.8#
77	12.5	16.9	25.3#

Manual Integrations
 APPROVED

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 6/17/2019 12:37:10 AM

