

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051719\
 Data File : VL033717.D
 Acq On : 17 May 2019 15:23
 Operator : SY/AP
 Sample : K2904-01DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 S-01DL

Manual Integrations
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Quant Time: May 18 01:35:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri May 18 01:35:15 2019
 QLast Update : Fri May 17 08:15:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	1171413	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2925578	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2869654	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.57	95	2318085	9.96	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	3.02	51	175897m	1.311	ppbv	
11) Trichlorofluoromethane	4.00	101	4963699	21.067	ppbv	99
13) Ethanol	3.65	45	258369	14.006	ppbv	100
15) Acetone	3.90	43	376106	2.314	ppbv	95
17) tert-Butyl alcohol	4.38	59	35445m	0.270	ppbv	
20) Methylene Chloride	4.41	84	76001	1.215	ppbv	94
26) Hexane	5.78	57	84664	0.690	ppbv #	43
27) Carbon Disulfide	4.62	76	29412	0.175	ppbv #	75
29) Chloroform	5.84	83	201059	0.889	ppbv	99
31) cis-1,2-Dichloroethene	5.64	61	17816m	0.146	ppbv	
34) 2-Butanone	5.34	43	19849	0.109	ppbv #	90
38) Trichloroethene	7.96	130	208024	2.107	ppbv	96
52) Tetrachloroethene	11.37	164	120191m	1.285	ppbv	

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

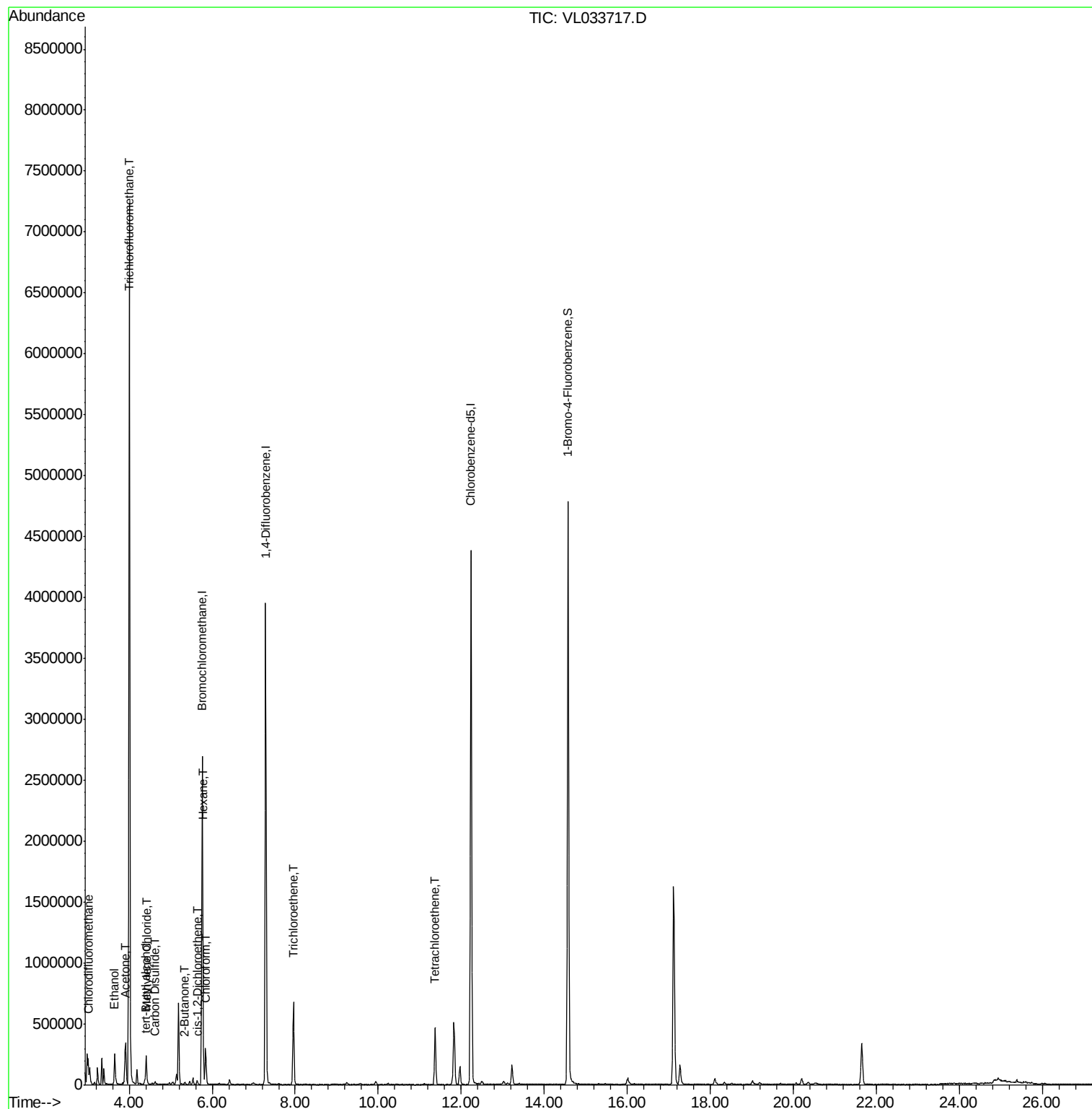
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL051719\
Data File : VL033717.D
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Misc : 400ml/MSVOA L
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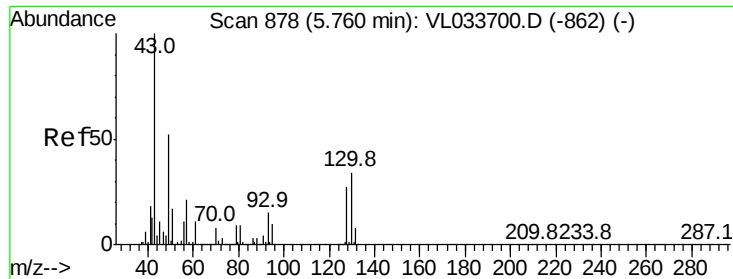
Instrument :
MSVOA_L
ClientSampleId :
S-01DL

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Quant Time: May 18 01:35:15 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri May
QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration





#1

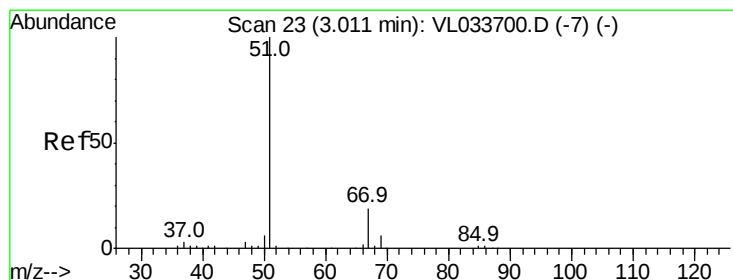
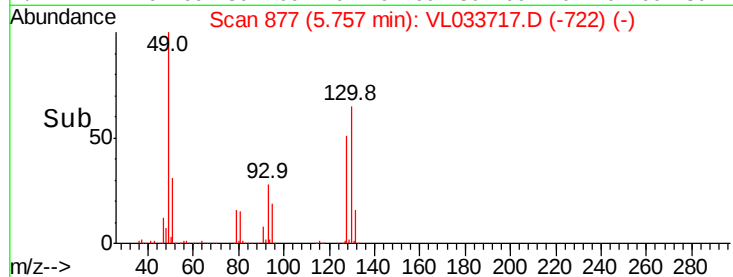
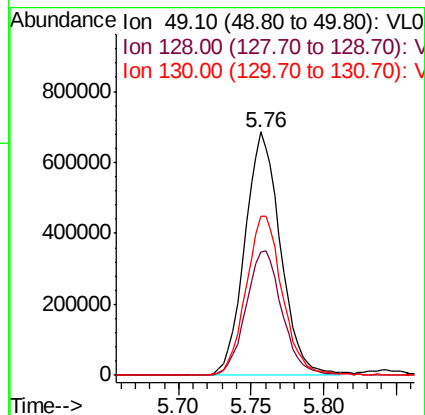
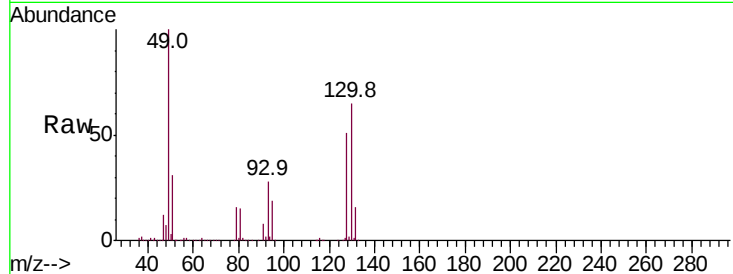
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 877
Delta R.T. -0.00 min
Lab File: VL033717.D
Acq: 17 May 2019 15:23

Instrument :
MSVOA_L
ClientSampled :
S-01DL

Tot Ion: 49 Resp: 1171413
Ion Ratio Lower Upper
49 100
128 52.5 25.2 75.6
130 67.6 32.5 97.5

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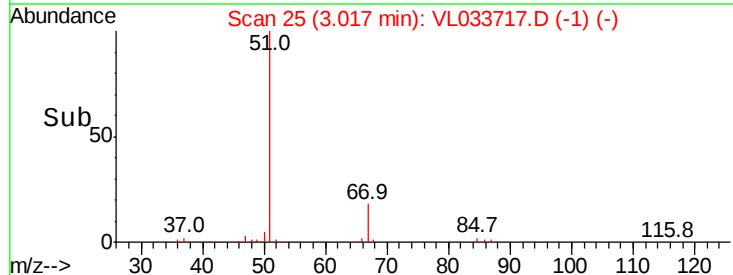
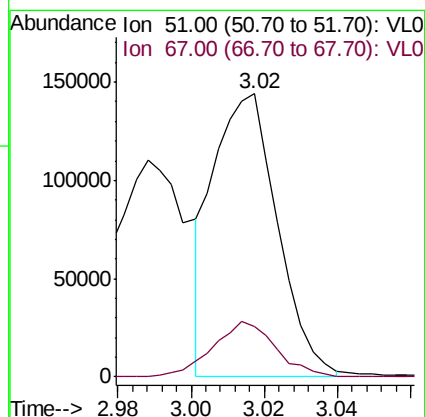
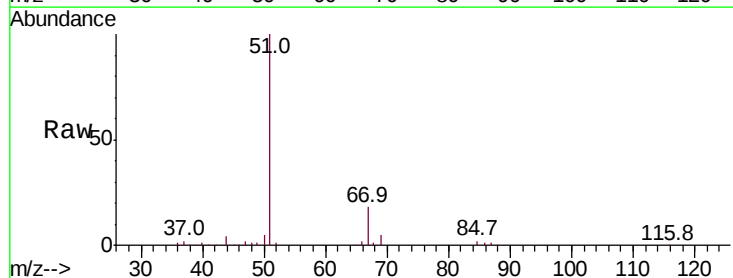
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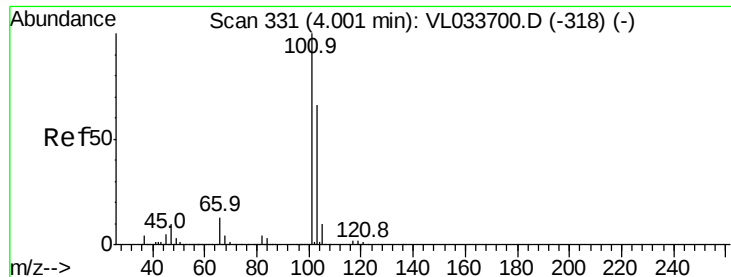


#3

Chlorodifluoromethane
Concen: 1.311 ppbv m
RT: 3.02 min Scan# 25
Delta R.T. 0.01 min
Lab File: VL033717.D
Acq: 17 May 2019 15:23

Tgt Ion: 51 Resp: 175897
Ion Ratio Lower Upper
51 100
67 19.5 15.6 23.4





#11

Trichlorofluoromethane

Concen: 21.067 ppbv

RT: 4.00 min Scan# 332

Delta R.T. 0.00 min

Lab File: VL033717.D

Acq: 17 May 2019 15:23

Instrument :

MSVOA_L

ClientSampleId :

S-01DL

Tot Ion:101 Resp: 4963699

Ion Ratio Lower Upper

101 100

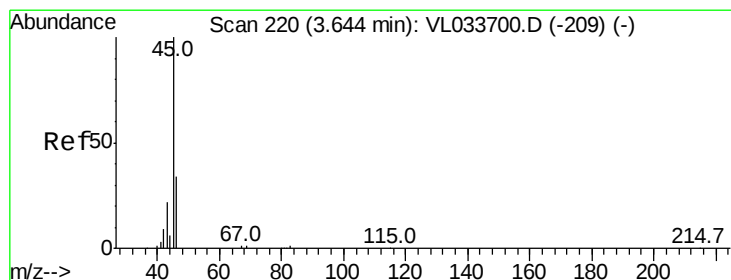
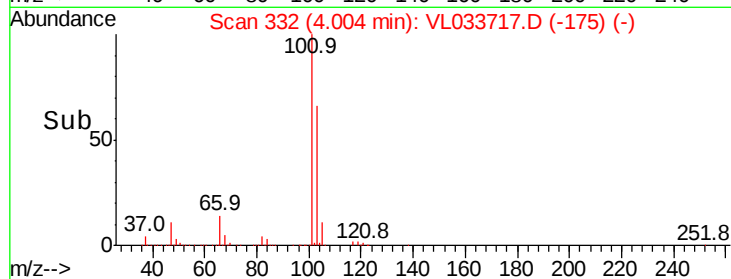
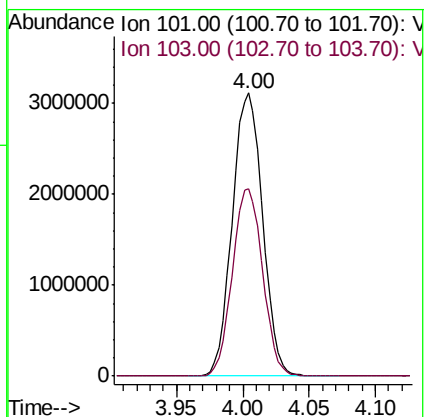
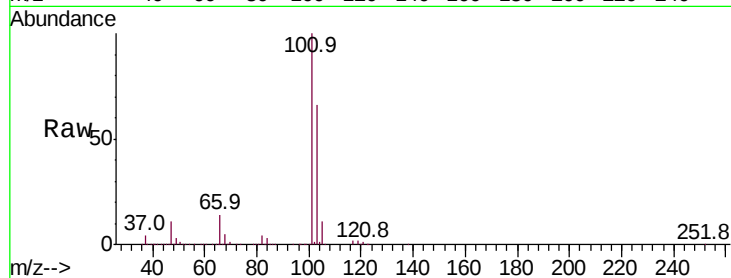
103 66.4 52.6 78.8

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#13

Ethanol

Concen: 14.006 ppbv

RT: 3.65 min Scan# 222

Delta R.T. 0.01 min

Lab File: VL033717.D

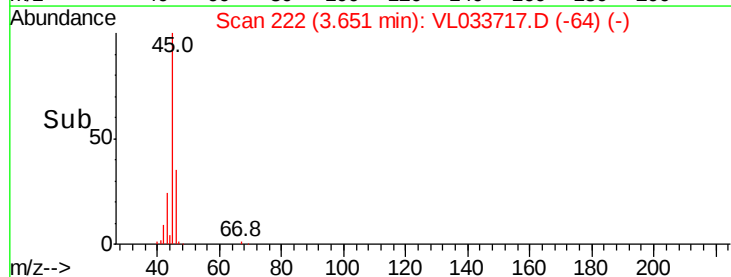
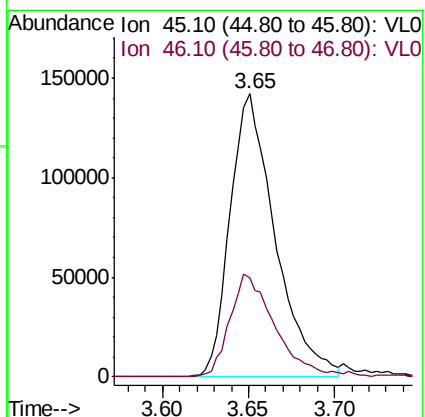
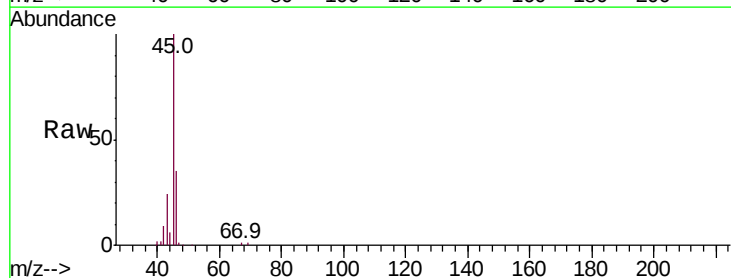
Acq: 17 May 2019 15:23

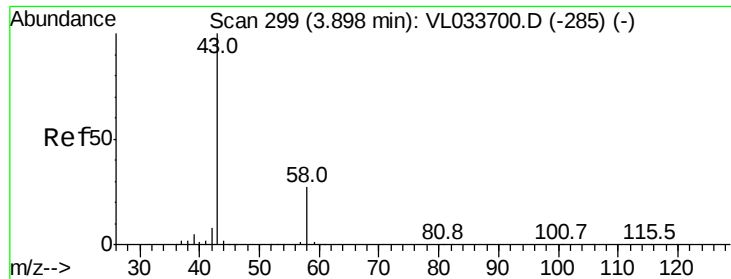
Tgt Ion: 45 Resp: 258369

Ion Ratio Lower Upper

45 100

46 37.2 14.8 59.0





#15

Acetone

Concen: 2.314 ppbv

RT: 3.90 min Scan# 300

Delta R.T. 0.00 min

Lab File: VL033717.D

Acq: 17 May 2019 15:23

Instrument :

MSVOA_L

ClientSampleId :

S-01DL

Tot Ion: 43 Resp: 376106

Ion Ratio Lower Upper

43 100

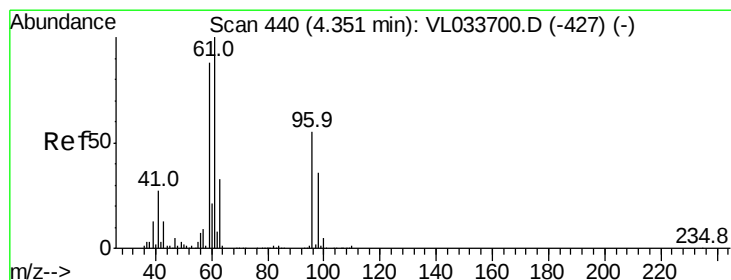
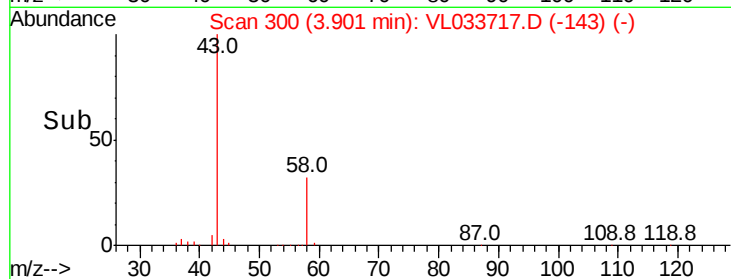
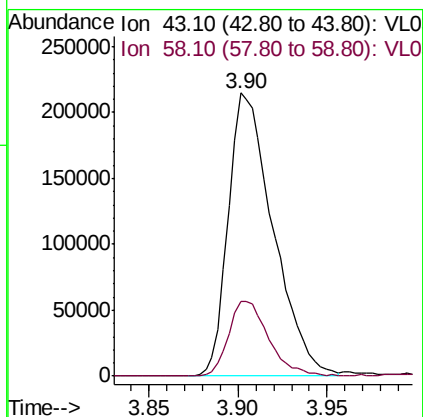
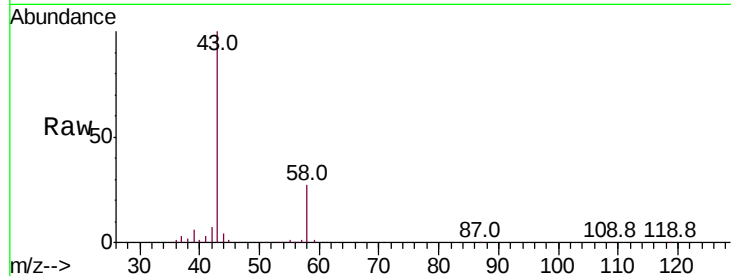
58 23.9 21.3 31.9

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#17

tert-Butyl alcohol

Concen: 0.270 ppbv m

RT: 4.38 min Scan# 448

Delta R.T. 0.03 min

Lab File: VL033717.D

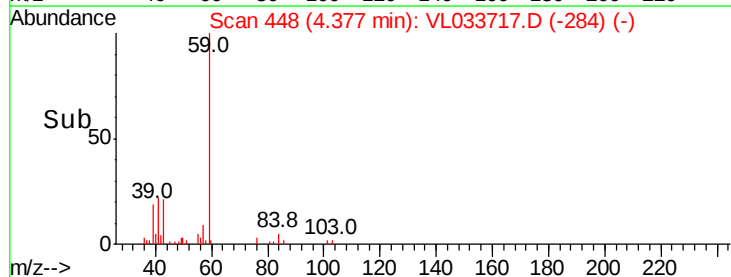
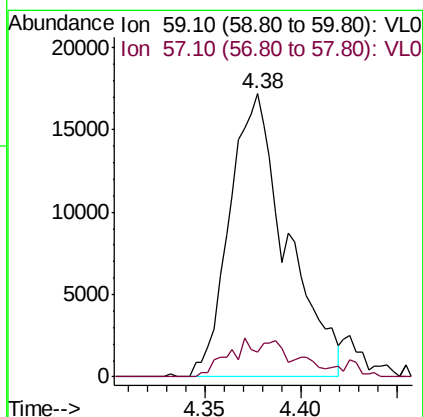
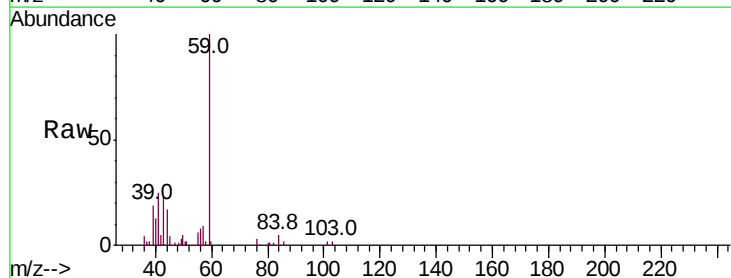
Acq: 17 May 2019 15:23

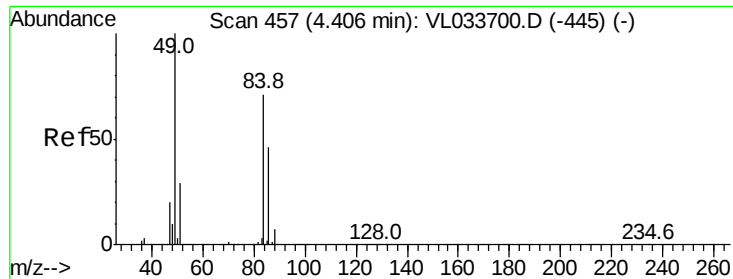
Tgt Ion: 59 Resp: 35445

Ion Ratio Lower Upper

59 100

57 16.7 8.4 12.6#





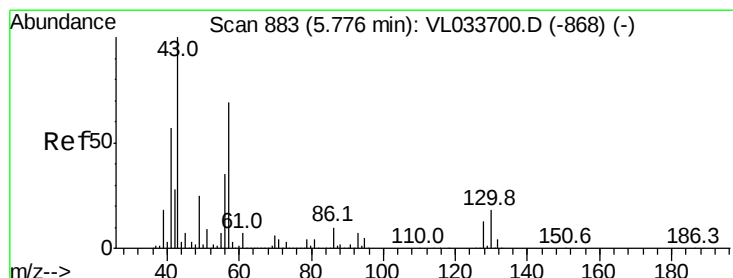
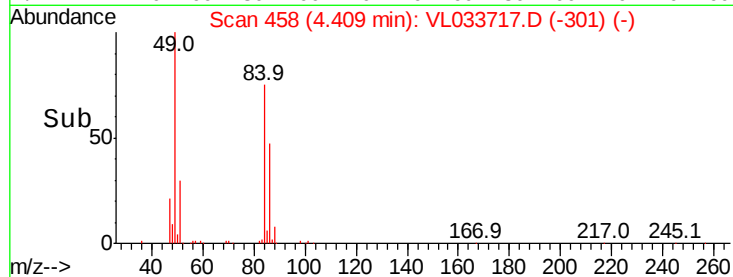
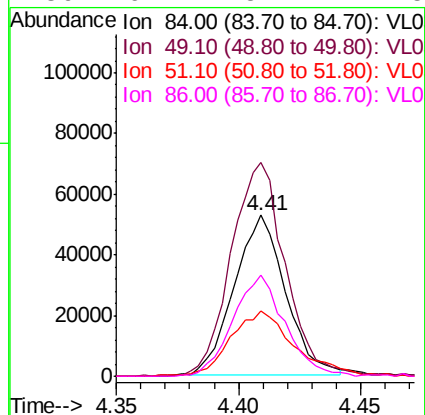
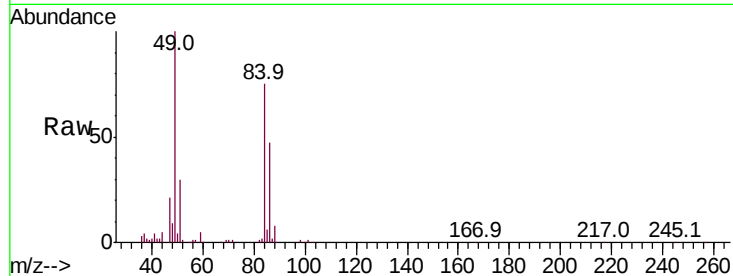
#20
Methvlene Chloride
Concen: 1.215 ppbv
RT: 4.41 min Scan# 458
Delta R.T. 0.00 min
Lab File: VL033717.D
Acq: 17 May 2019 15:23

Instrument :
MSVOA_L
ClientSampled :
S-01DL

Tot Ion	Ion	Ratio	Lower	Upper
84	100			
49	131.0	112.8	169.2	
51	39.7	33.4	50.0	
86	62.2	51.7	77.5	

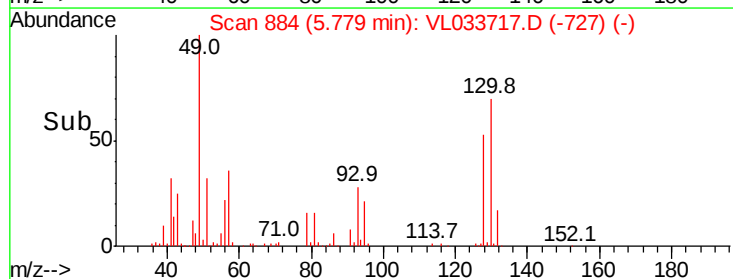
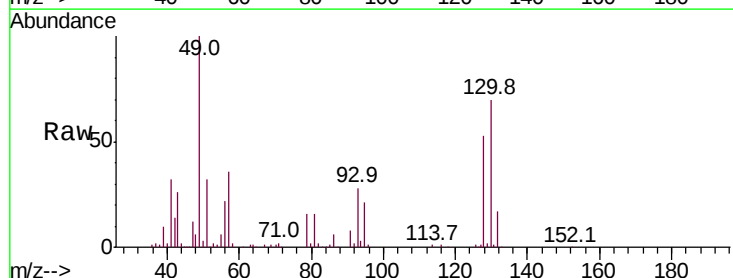
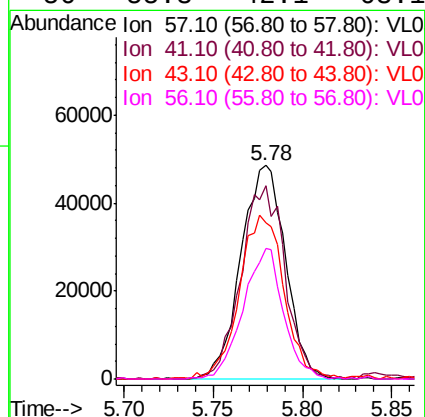
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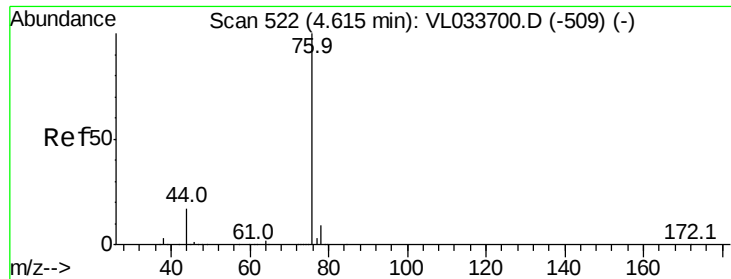
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#26
Hexane
Concen: 0.690 ppbv
RT: 5.78 min Scan# 884
Delta R.T. 0.00 min
Lab File: VL033717.D
Acq: 17 May 2019 15:23

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	89.5	69.8	104.6	
43	77.9	181.8	272.6#	
56	55.3	42.1	63.1	





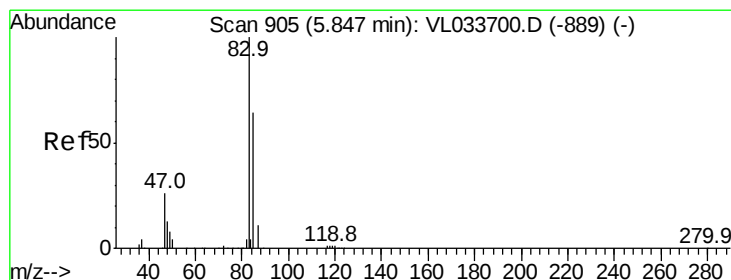
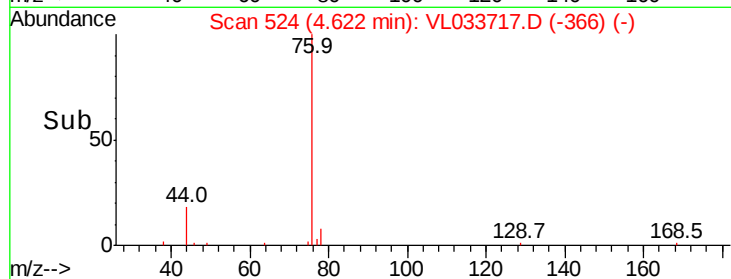
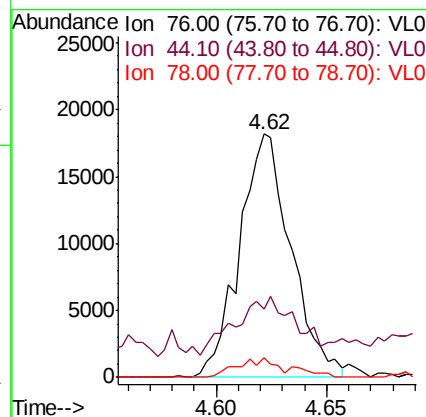
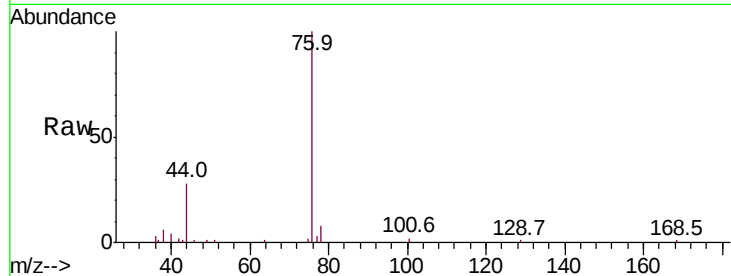
#27
Carbon Disulfide
Concen: 0.175 ppbv
RT: 4.62 min Scan# 524
Delta R.T. 0.01 min
Lab File: VL033717.D
Acq: 17 May 2019 15:23

Instrument :
MSVOA_L
ClientSampled :
S-01DL

Tot Ion	Ratio	Lower	Upper
76	100		
44	33.1	13.8	20.8#
78	7.8	7.4	11.0

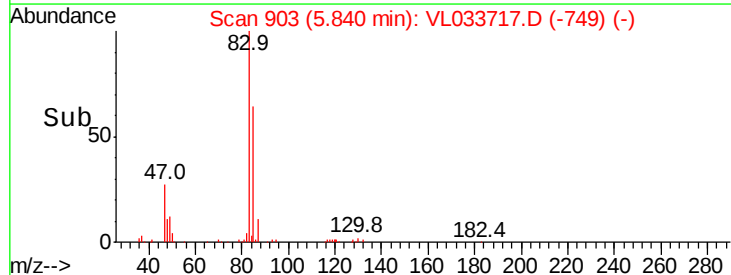
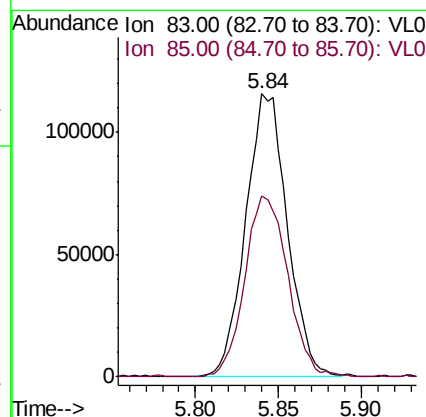
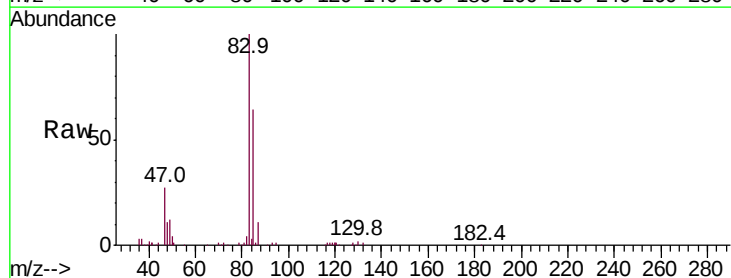
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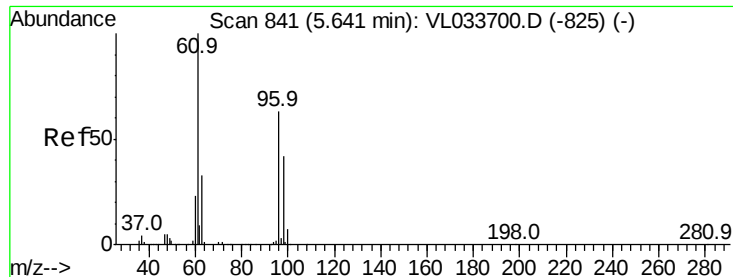
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#29
Chloroform
Concen: 0.889 ppbv
RT: 5.84 min Scan# 903
Delta R.T. -0.01 min
Lab File: VL033717.D
Acq: 17 May 2019 15:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.5	77.3





#31

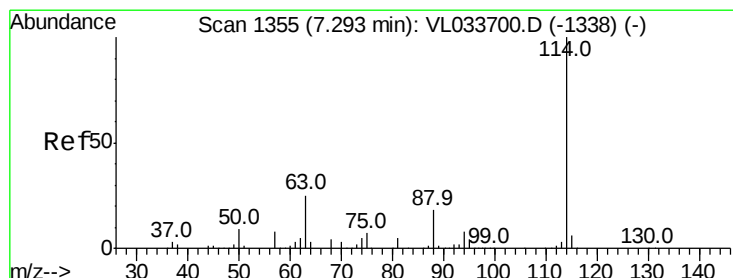
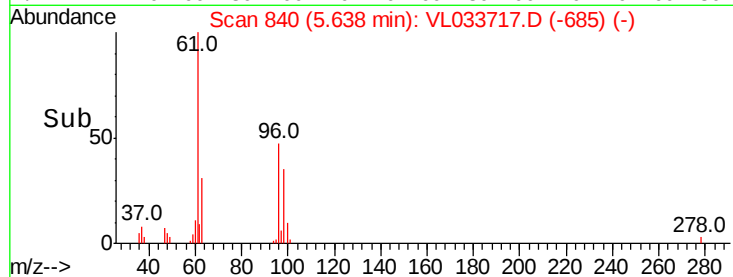
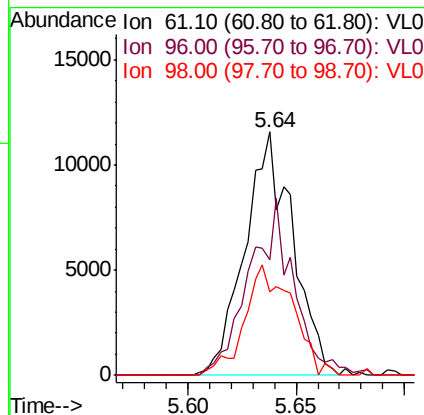
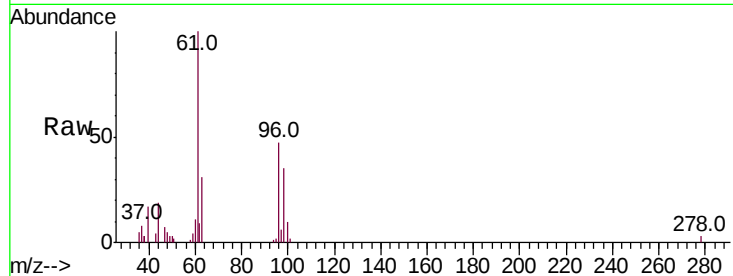
cis-1,2-Dichloroethene
 Concen: 0.146 ppbv m
 RT: 5.64 min Scan# 840
 Delta R.T. -0.00 min
 Lab File: VL033717.D
 Acq: 17 May 2019 15:23

Instrument :
 MSVOA_L
 ClientSampleId :
 S-01DL

Tot Ion	Ratio	Lower	Upper
61	100		
96	47.4	50.8	76.2#
98	34.5	33.3	49.9

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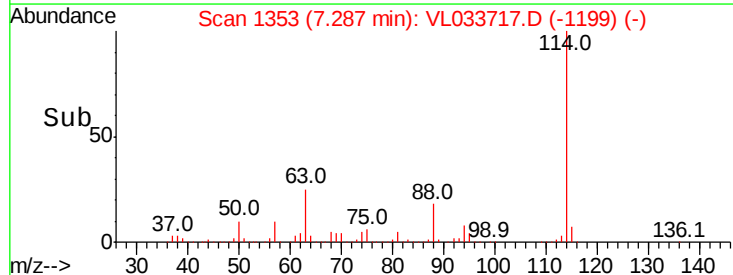
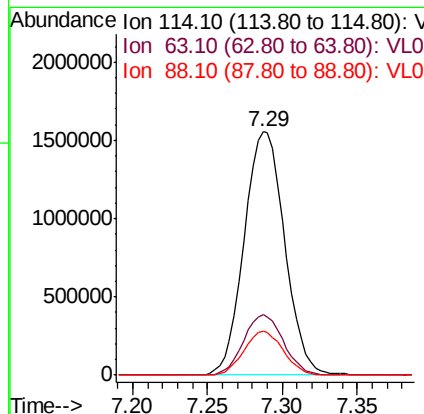
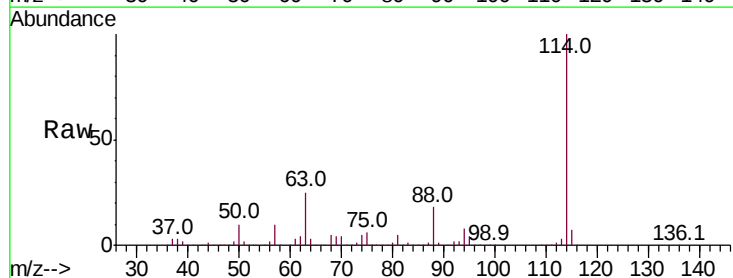
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 5/20/2019 12:06:21 PM

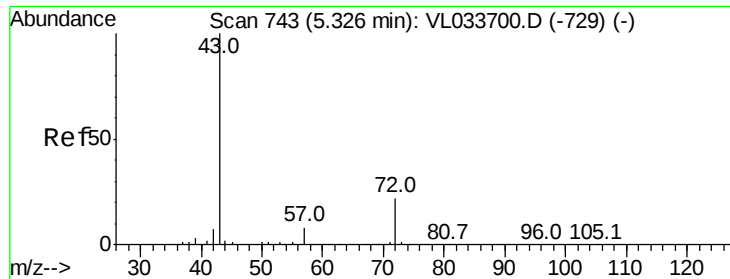


#33

1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1353
 Delta R.T. -0.01 min
 Lab File: VL033717.D
 Acq: 17 May 2019 15:23

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.6	20.9	31.3
88	17.7	14.3	21.5





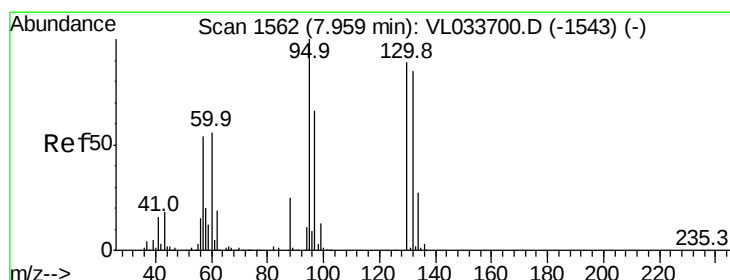
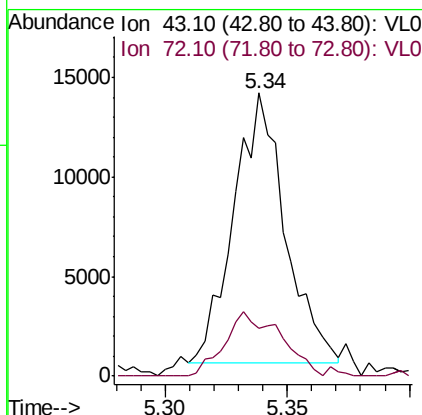
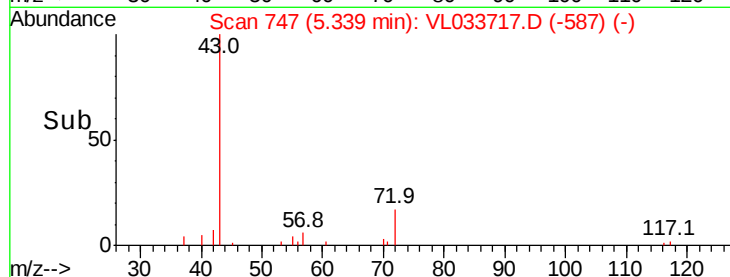
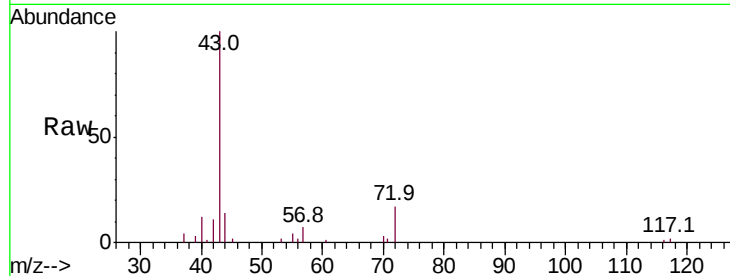
#34
2-Butanone
Concen: 0.109 ppbv
RT: 5.34 min Scan# 747
Delta R.T. 0.01 min
Lab File: VL033717.D
Acq: 17 May 2019 15:23

Instrument :
MSVOA_L
ClientSampleId :
S-01DL

Tot Ion: 43 Resp: 19849
Ion Ratio Lower Upper
43 100
72 26.9 17.8 26.6#

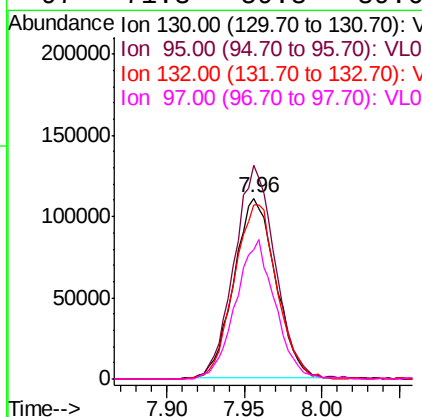
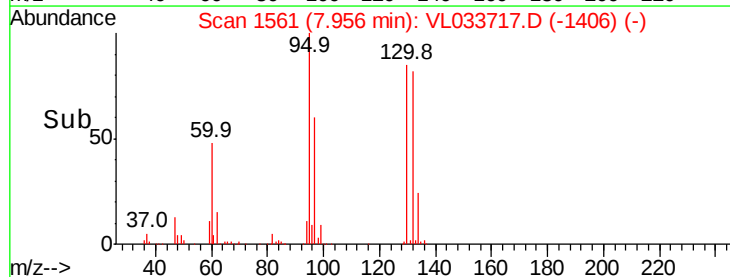
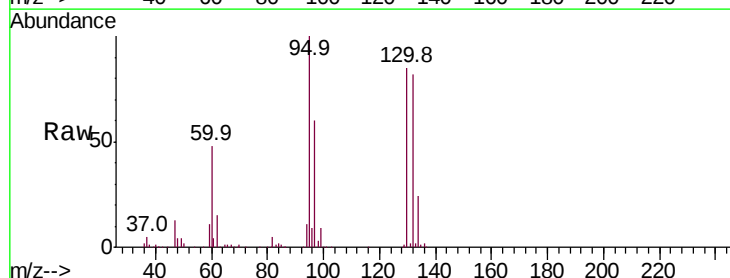
Manual Integrations
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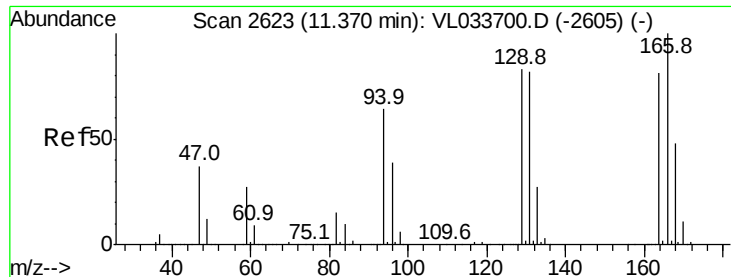
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#38
Trichloroethene
Concen: 2.107 ppbv
RT: 7.96 min Scan# 1561
Delta R.T. -0.00 min
Lab File: VL033717.D
Acq: 17 May 2019 15:23

Tgt Ion:130 Resp: 208024
Ion Ratio Lower Upper
130 100
95 118.3 90.2 135.4
132 97.0 76.4 114.6
97 71.3 59.8 89.6





#52

Tetrachloroethene

Concen: 1.285 ppbv m

RT: 11.37 min Scan# 2624

Delta R.T. 0.00 min

Lab File: VL033717.D

Acq: 17 May 2019 15:23

Instrument :

MSVOA_L

ClientSampled :

S-01DL

Tot Ion:164 Resp: 120191

Ion Ratio Lower Upper

164 100

166 122.7 98.9 148.3

129 98.2 81.8 122.6

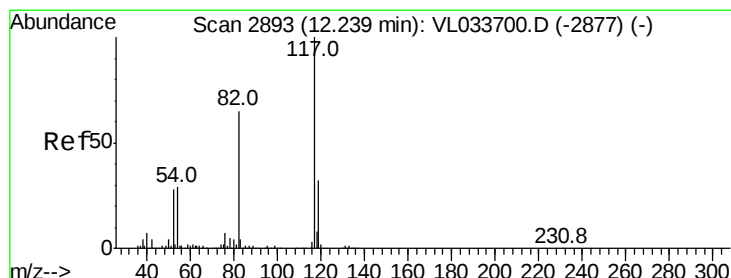
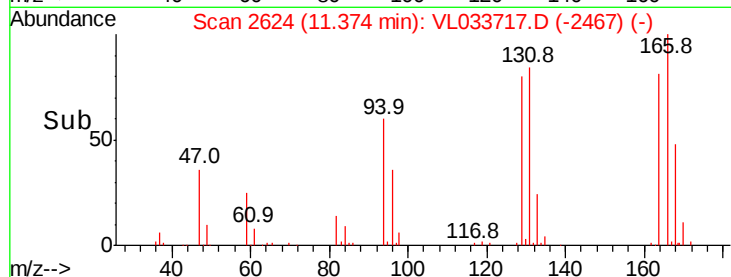
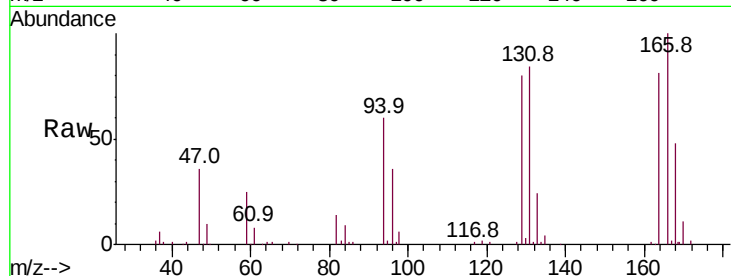
131 103.3 81.1 121.7

Manual Integrations

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5/20/2019 12:06:21 PM



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.24 min Scan# 2892

Delta R.T. -0.00 min

Lab File: VL033717.D

Acq: 17 May 2019 15:23

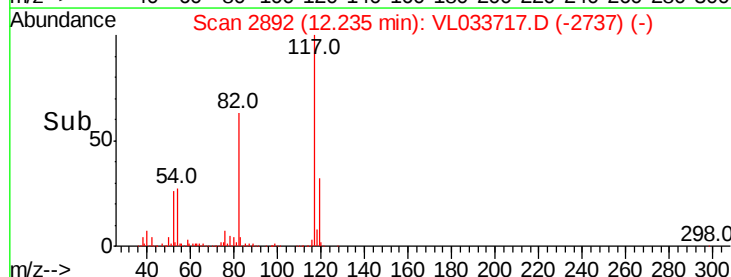
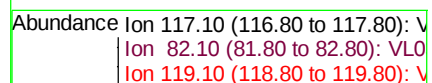
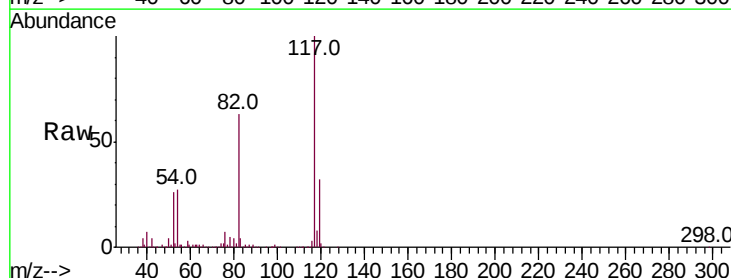
Tgt Ion:117 Resp: 2869654

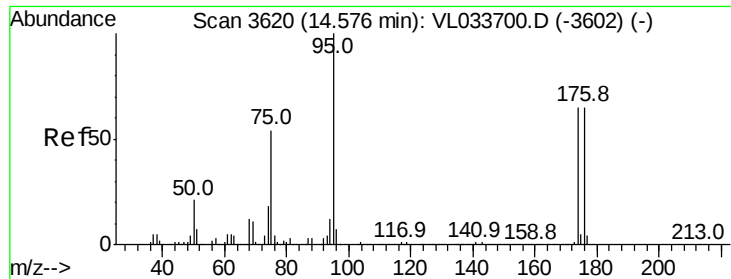
Ion Ratio Lower Upper

117 100

82 64.1 49.4 74.0

119 32.5 24.9 37.3





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.964 ppbv
 RT: 14.57 min Scan# 3619
 Delta R.T. -0.00 min
 Lab File: VL033717.D
 Acq: 17 May 2019 15:23

Instrument :
 MSVOA_L
 ClientSampleId :
 S-01DL

Tot Ion: 95 Resp: 2318085
 Ion Ratio Lower Upper
 95 100
 174 68.7 53.9 80.9
 175 5.0 3.8 5.8

Manual Integrations
 APPROVED

MMDadoda
 5/20/2019 12:06:21 PM

