

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052819\
 Data File : VL033834.D
 Acq On : 29 May 2019 12:09
 Operator : SY/AP
 Sample : K2960-06
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-SG-3009-25

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Quant Time: May 30 01:49:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri May 1
 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	5.75	49	708277	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	1803497	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.23	117	1695233	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.57	95	1423559	10.36	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.07	85	32490	0.218	ppbv	97
3) Chlorodifluoromethane	3.01	51	26727m	0.329	ppbv	
4) Chloromethane	3.17	50	24495	0.528	ppbv	95
9) Propene	3.03	41	99095	2.872	ppbv	88
11) Trichlorofluoromethane	4.00	101	34948	0.245	ppbv	96
13) Ethanol	3.65	45	46470m	4.166	ppbv	
15) Acetone	3.89	43	632829	6.440	ppbv	97
20) Methylene Chloride	4.40	84	71327	1.885	ppbv	94
26) Hexane	5.77	57	55906	0.753	ppbv #	41
34) 2-Butanone	5.33	43	46597	0.417	ppbv	100
35) Carbon Tetrachloride	7.13	117	9368m	0.065	ppbv	
36) Benzene	6.99	78	17182m	0.105	ppbv	
52) Tetrachloroethene	11.35	164	7169m	0.124	ppbv	
53) Toluene	9.94	91	64301	0.363	ppbv	100
59) m/p-Xylene	13.11	91	21249m	0.108	ppbv	

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

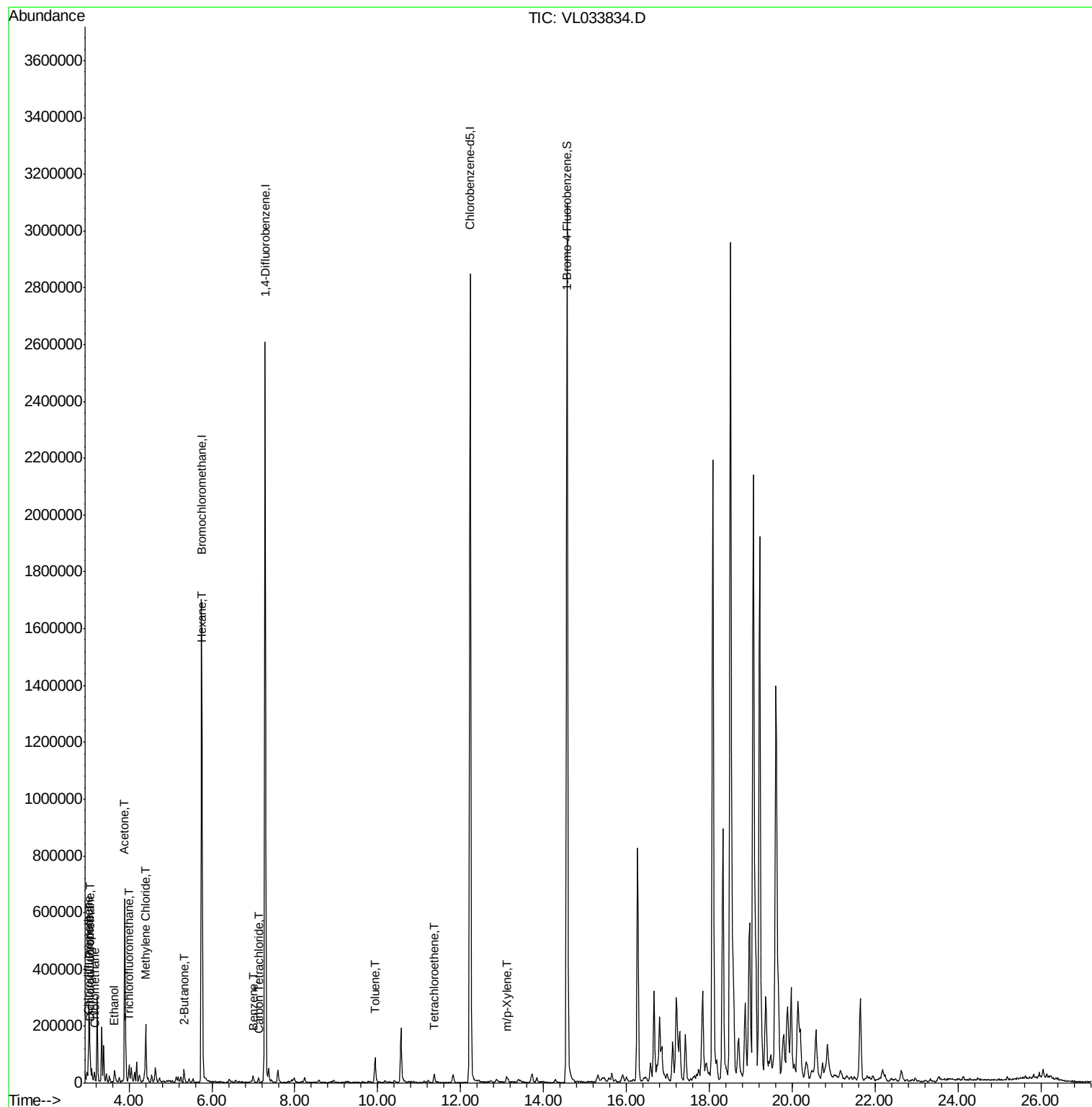
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052819\
Data File : VL033834.D
Acq On : 29 May 2019 12:09
Operator : SY/AP
Sample : K2960-06
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

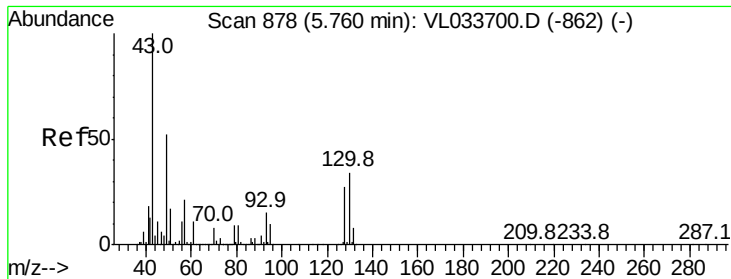
Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3009-25

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Quant Time: May 30 01:49:16 2019
Quant Method : Z:\VOASRV\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

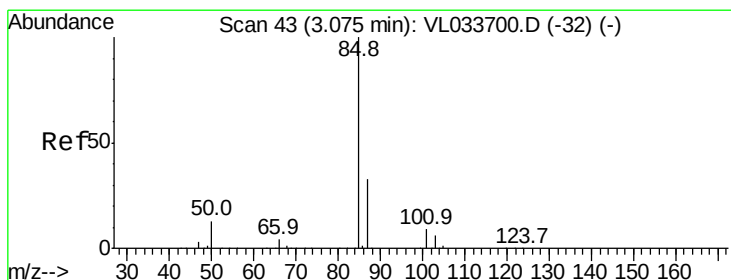
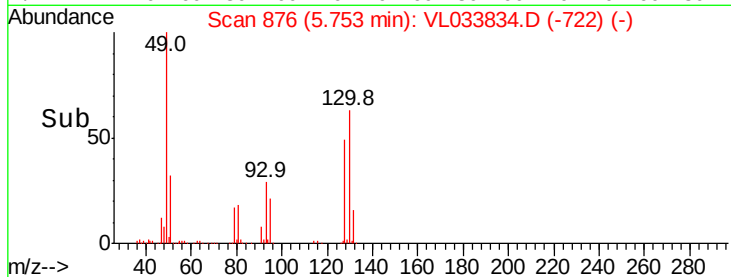
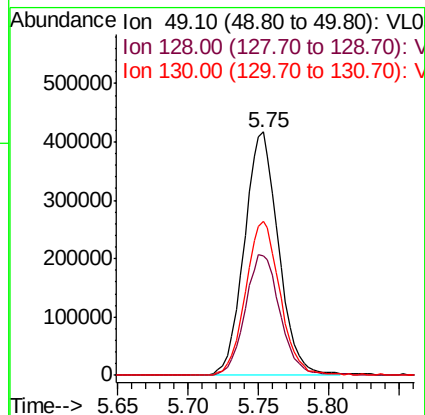
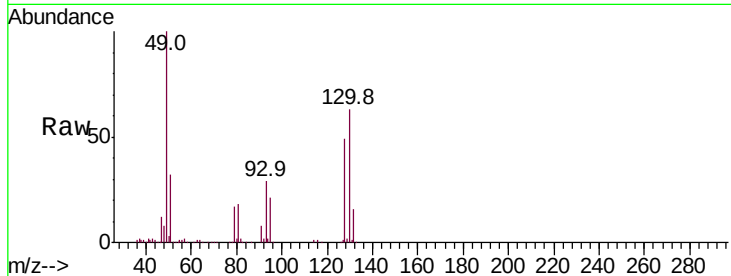
Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.75 min Scan# 876
 Delta R.T. -0.01 min
 Lab File: VL033834.D
 Acq: 29 May 2019 12:09

Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-SG-3009-25

Tot Ion	Ratio	Lower	Upper
49	100		
128	51.0	25.2	75.6
130	63.7	32.5	97.5

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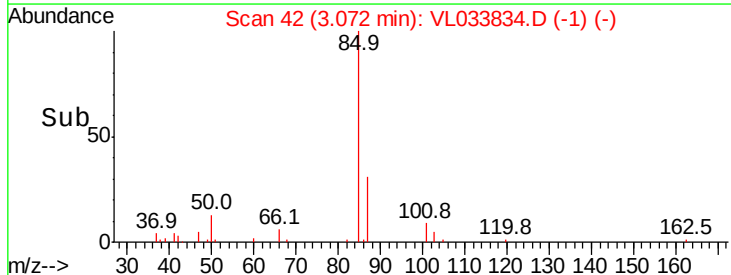
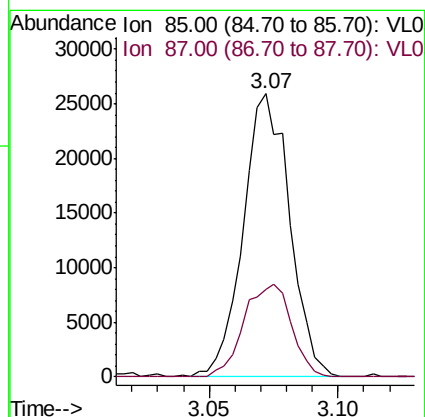
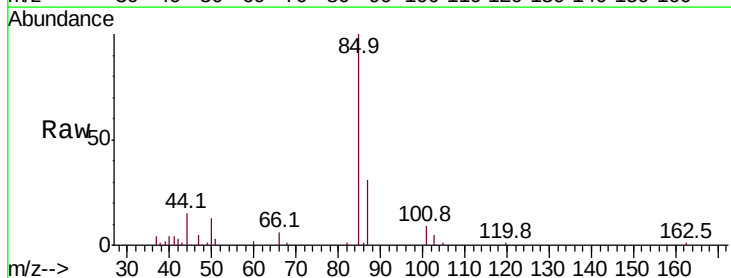
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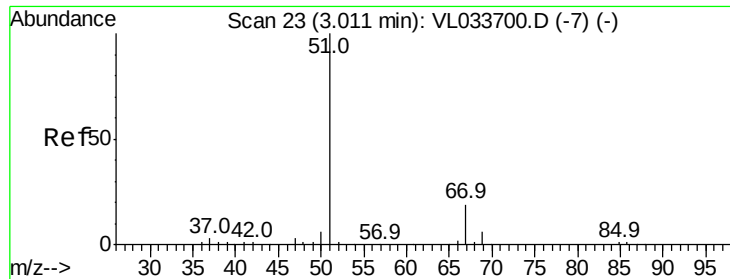


#2

Dichlorodifluoromethane
 Concen: 0.218 ppbv
 RT: 3.07 min Scan# 42
 Delta R.T. -0.00 min
 Lab File: VL033834.D
 Acq: 29 May 2019 12:09

Tgt Ion	Ratio	Lower	Upper
85	100		
87	30.9	26.3	39.5





#3

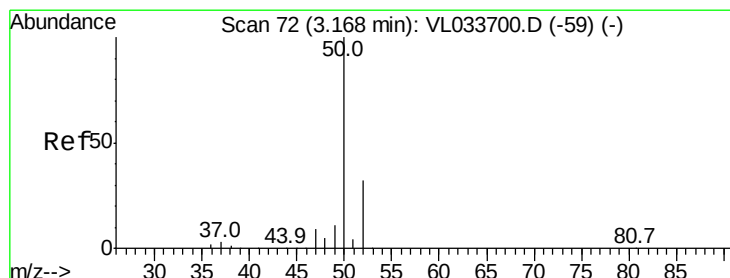
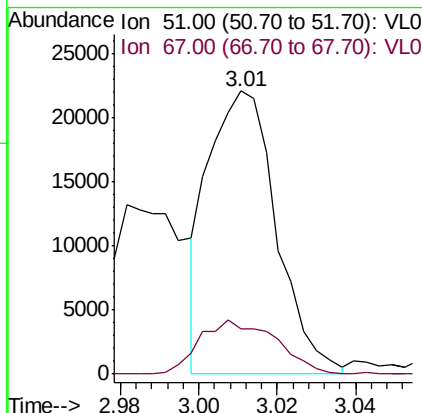
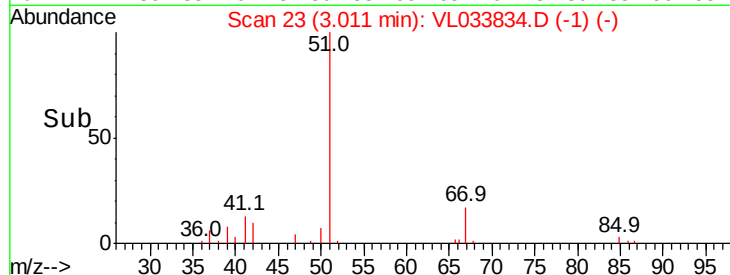
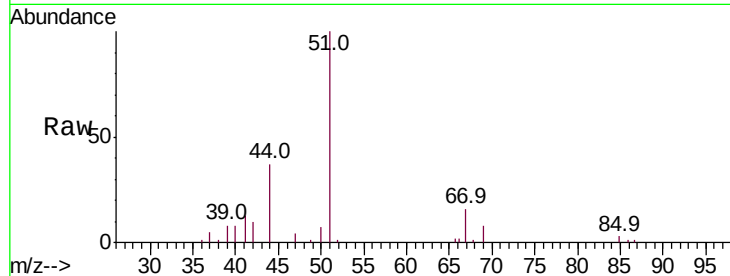
Chlorodifluoromethane
Concen: 0.329 ppbv
RT: 3.01 min Scan# 23
Delta R.T. 0.00 min
Lab File: VL033834.D
Acq: 29 May 2019 12:09

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3009-25

Tot Ion	Ratio	Lower	Upper
51	100		
67	21.5	15.6	23.4

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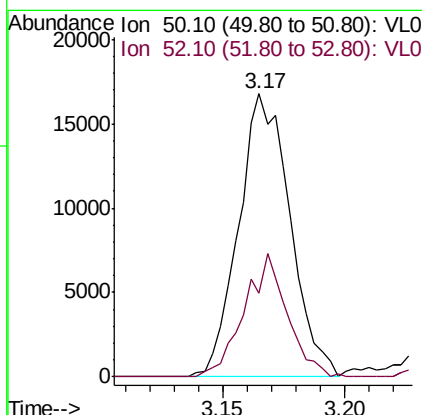
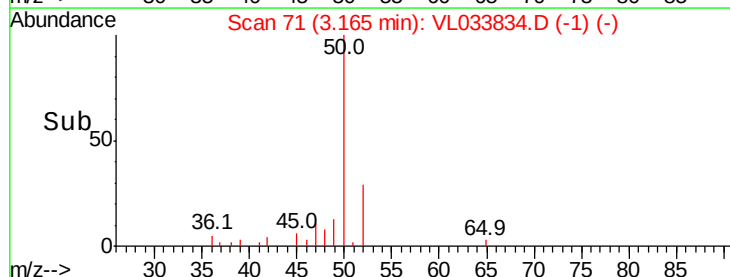
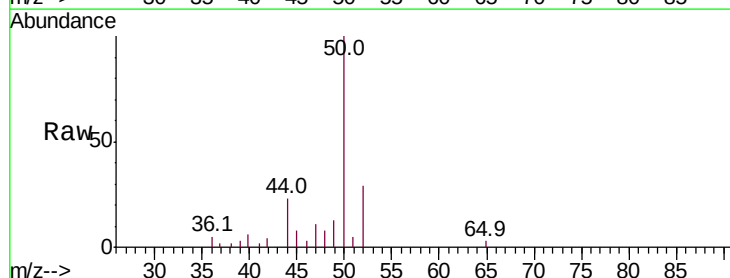
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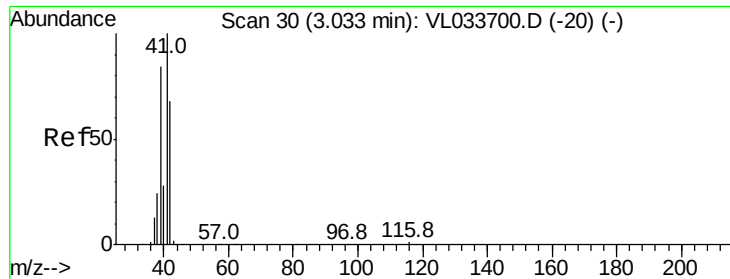


#4

Chloromethane
Concen: 0.528 ppbv
RT: 3.17 min Scan# 71
Delta R.T. -0.00 min
Lab File: VL033834.D
Acq: 29 May 2019 12:09

Tgt Ion	Ratio	Lower	Upper
50	100		
52	29.5	25.7	38.5





#9

Propene

Concen: 2.872 ppbv

RT: 3.03 min Scan# 30

Delta R.T. 0.00 min

Lab File: VL033834.D

Acq: 29 May 2019 12:09

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3009-25

Tot Ion: 41 Resp: 99095

Ion Ratio Lower Upper

41 100

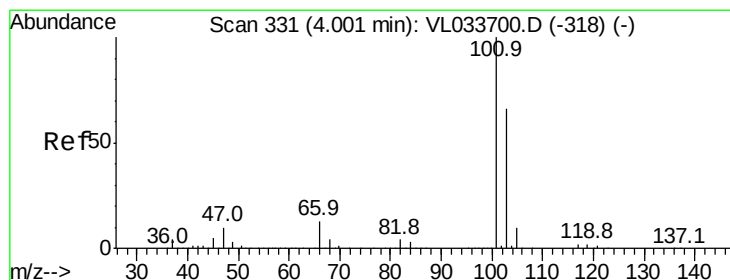
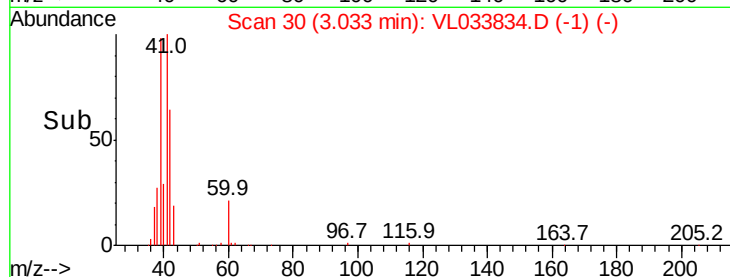
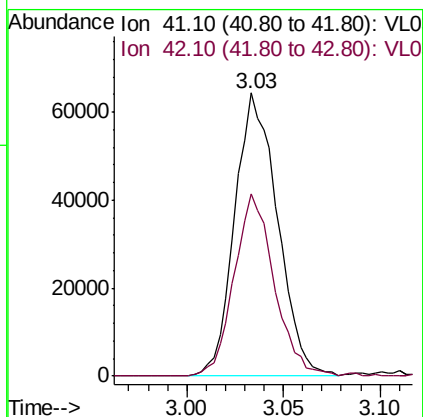
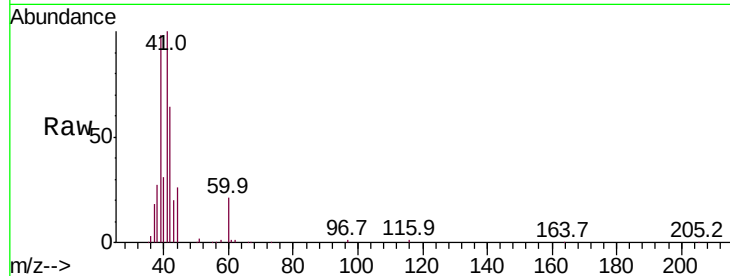
42 60.6 56.1 84.1

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#11

Trichlorofluoromethane

Concen: 0.245 ppbv

RT: 4.00 min Scan# 331

Delta R.T. 0.00 min

Lab File: VL033834.D

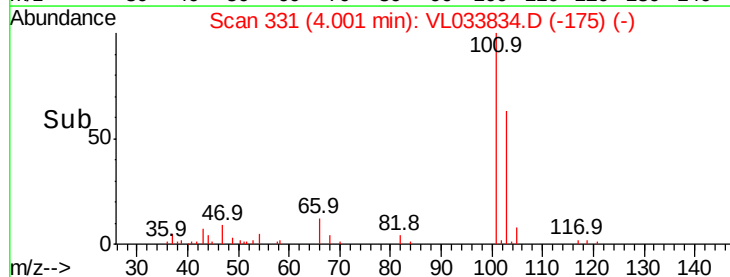
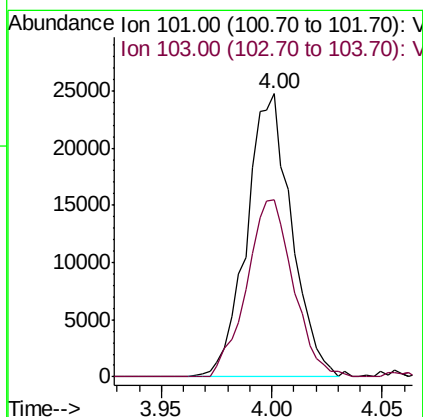
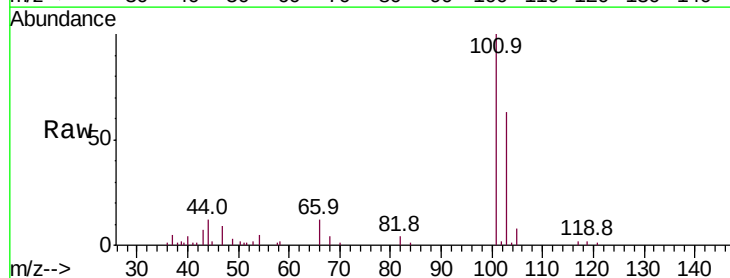
Acq: 29 May 2019 12:09

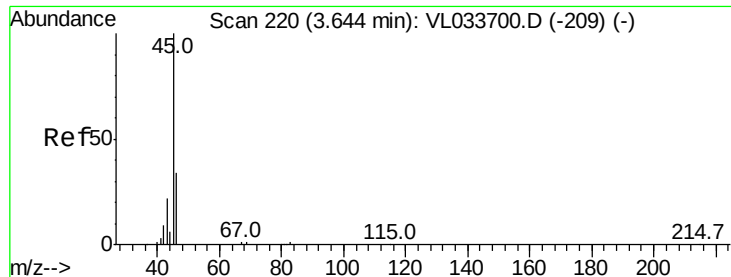
Tgt Ion: 101 Resp: 34948

Ion Ratio Lower Upper

101 100

103 62.5 52.6 78.8





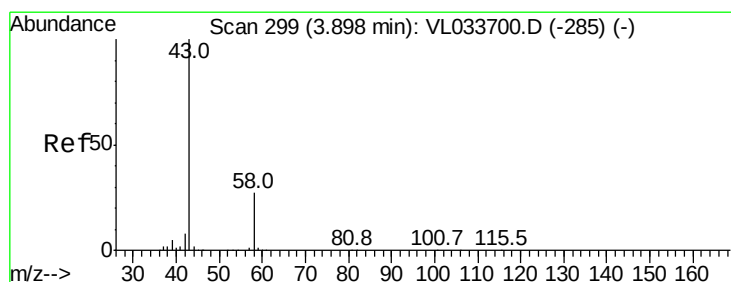
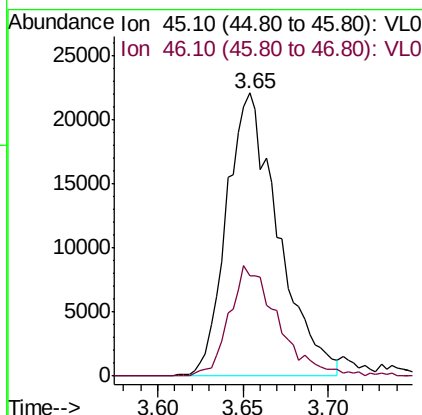
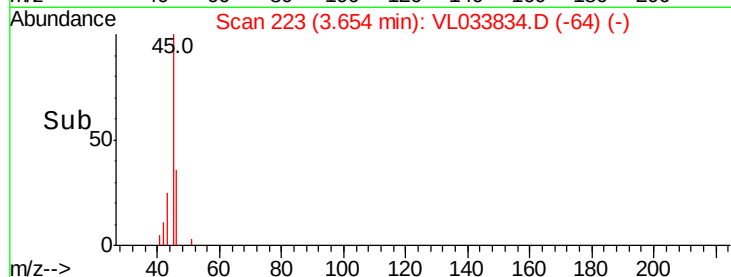
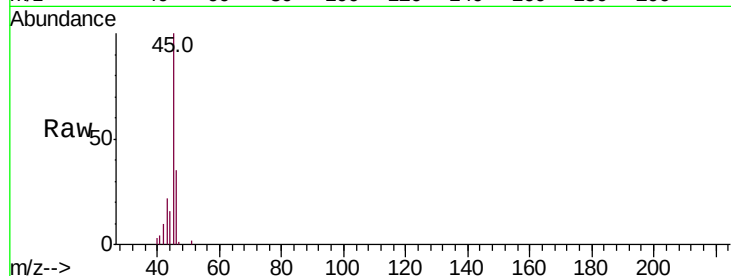
#13
Ethanol
Concen: 4.166 ppbv m
RT: 3.65 min Scan# 223
Delta R.T. 0.01 min
Lab File: VL033834.D
Acq: 29 May 2019 12:09

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3009-25

Tot Ion	45	46	Ratio	100	37.2	Resp:	46470	Lower	Upper
Ion	45	46	Ratio	100	37.2	Resp:	46470	Lower	Upper
								14.8	59.0

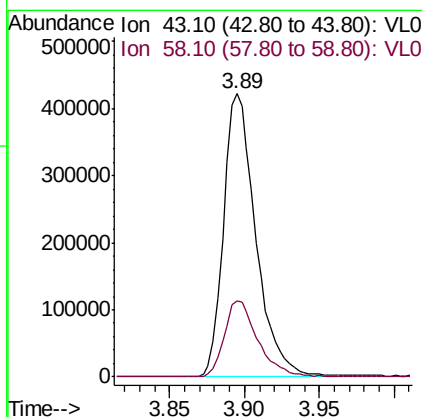
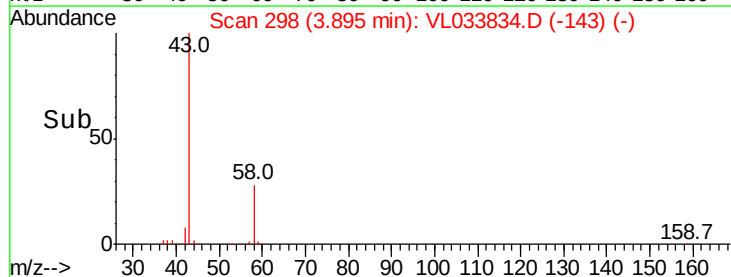
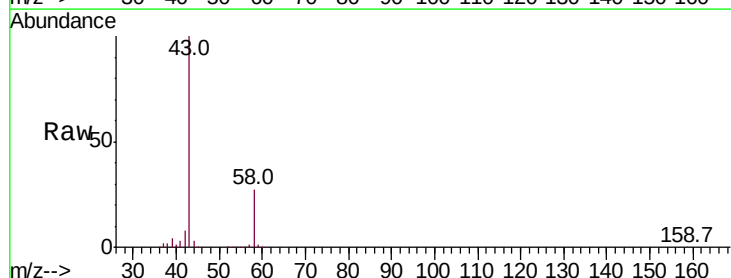
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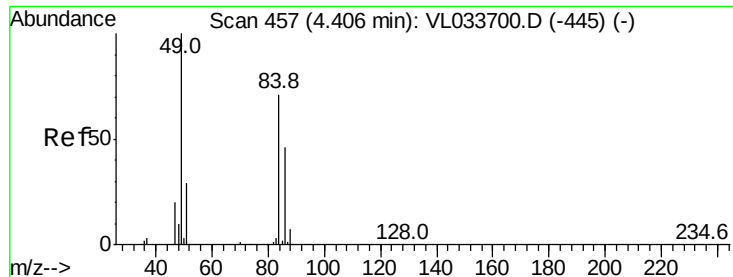
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#15
Acetone
Concen: 6.440 ppbv
RT: 3.89 min Scan# 298
Delta R.T. -0.00 min
Lab File: VL033834.D
Acq: 29 May 2019 12:09

Tgt Ion	43	58	Ratio	100	28.0	Resp:	632829	Lower	Upper
Ion	43	58	Ratio	100	28.0	Resp:	632829	Lower	Upper
								21.3	31.9





#20

Methylene Chloride

Concen: 1.885 ppbv

RT: 4.40 min Scan# 455

Delta R.T. -0.01 min

Lab File: VL033834.D

Acq: 29 May 2019 12:09

Instrument :

MSVOA_L

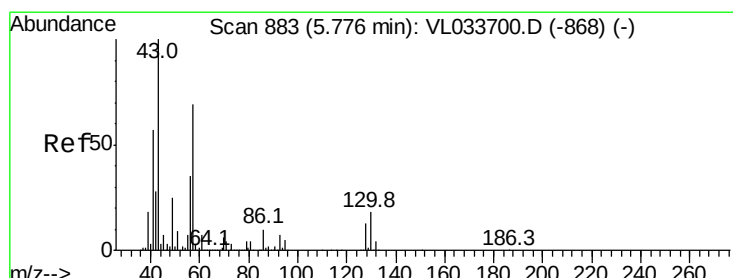
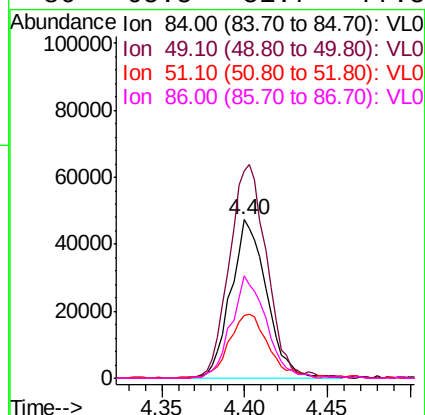
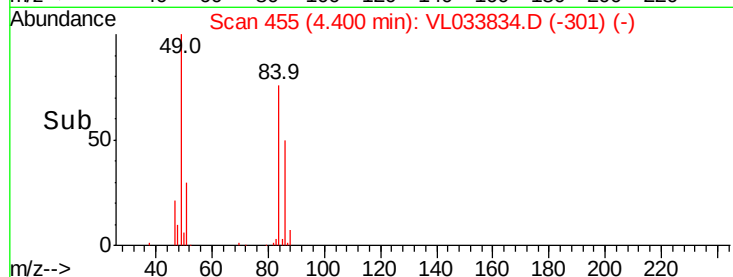
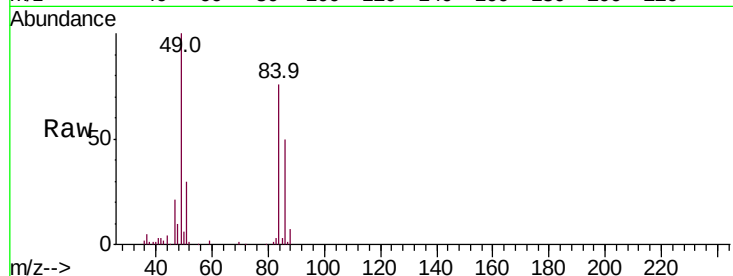
ClientSampleId :

BPS1-SG-3009-25

Tot Ion:	84	Resp:	71327
Ion	Ratio	Lower	Upper
84	100		
49	130.2	112.8	169.2
51	39.0	33.4	50.0
86	65.5	51.7	77.5

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#26

Hexane

Concen: 0.753 ppbv

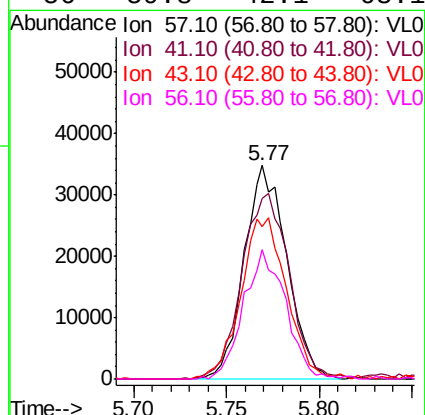
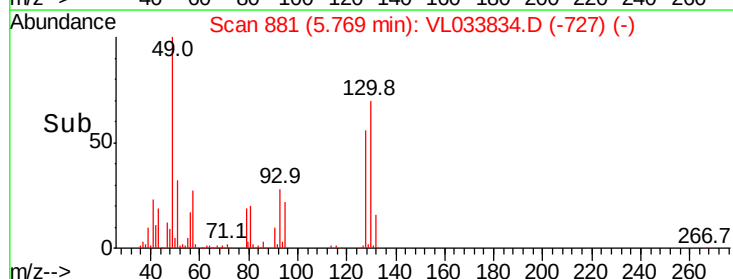
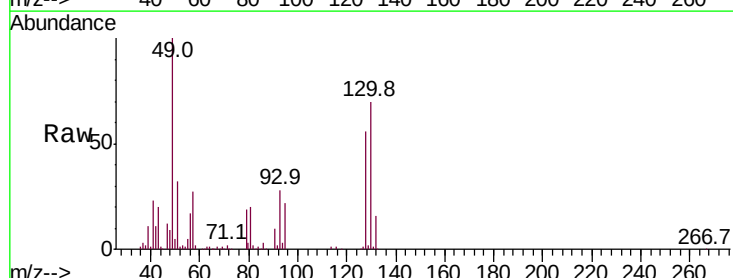
RT: 5.77 min Scan# 881

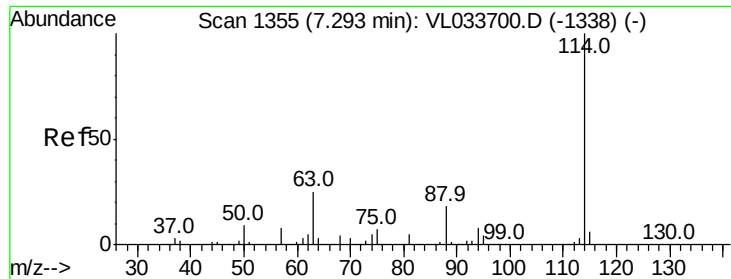
Delta R.T. -0.01 min

Lab File: VL033834.D

Acq: 29 May 2019 12:09

Tgt Ion:	57	Resp:	55906
Ion	Ratio	Lower	Upper
57	100		
41	96.5	69.8	104.6
43	81.0	181.8	272.6#
56	59.8	42.1	63.1





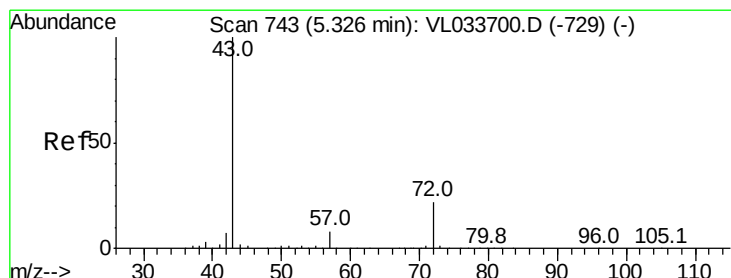
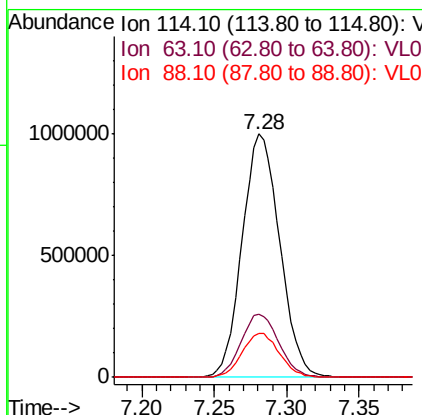
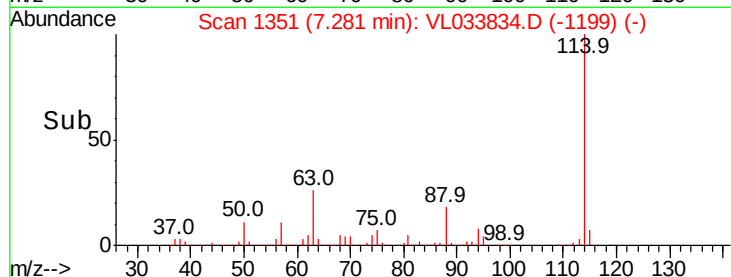
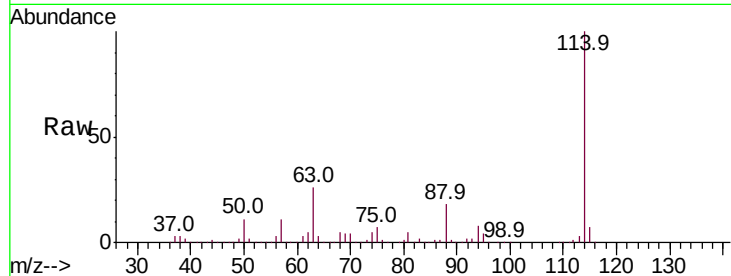
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.28 min Scan# 1351
 Delta R.T. -0.01 min
 Lab File: VL033834.D
 Acq: 29 May 2019 12:09

Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-SG-3009-25

Tot Ion	Ratio	Lower	Upper
114	100		
63	26.2	20.9	31.3
88	18.0	14.3	21.5

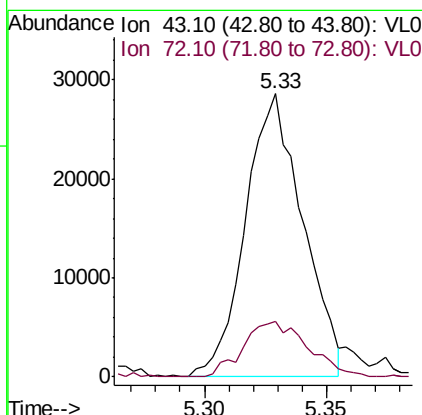
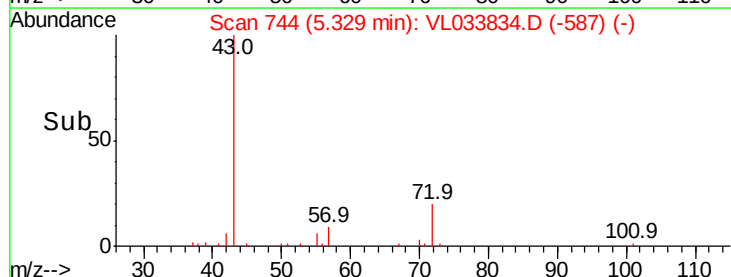
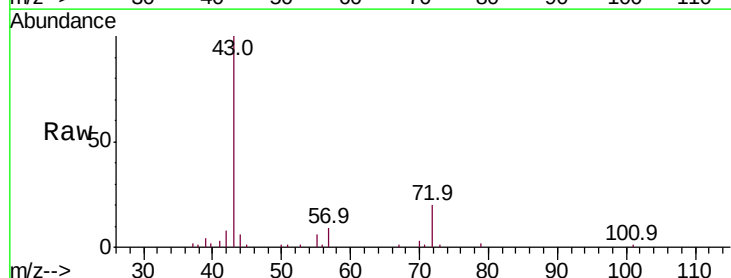
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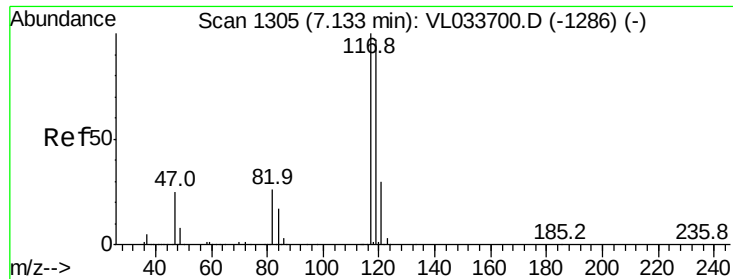
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#34
 2-Butanone
 Concen: 0.417 ppbv
 RT: 5.33 min Scan# 744
 Delta R.T. 0.00 min
 Lab File: VL033834.D
 Acq: 29 May 2019 12:09

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.3	17.8	26.6





#35

Carbon Tetrachloride

Concen: 0.065 ppbv m

RT: 7.13 min Scan# 1304

Delta R.T. -0.00 min

Lab File: VL033834.D

Acq: 29 May 2019 12:09

Instrument :

MSVOA_L

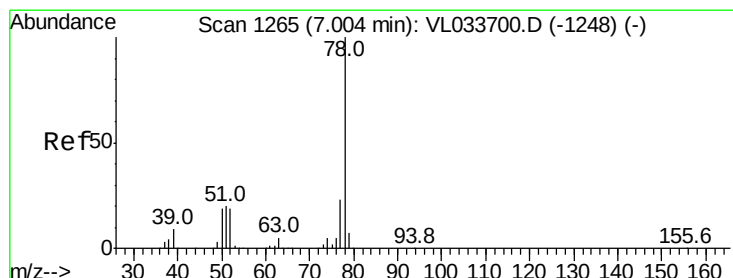
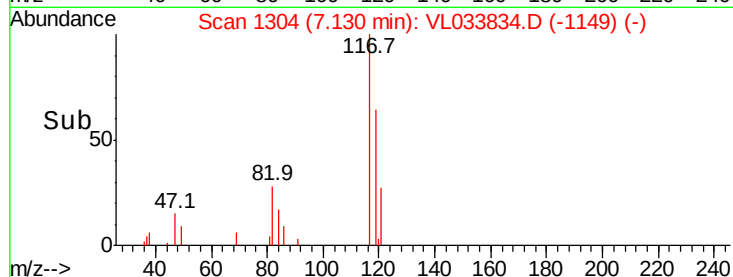
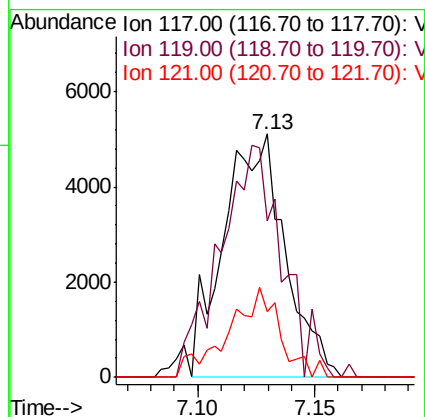
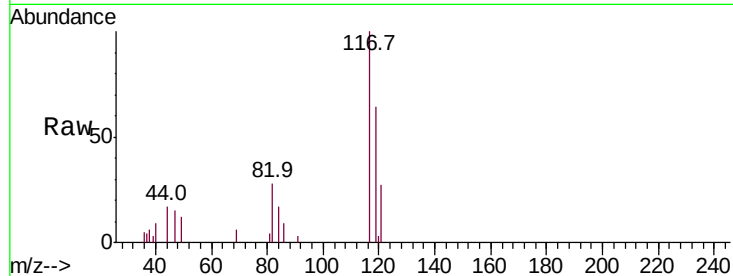
ClientSampleId :

BPS1-SG-3009-25

Tot Ion	Ratio	Lower	Upper
117	100		
119	64.3	77.2	115.8#
121	26.9	24.1	36.1

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#36

Benzene

Concen: 0.105 ppbv m

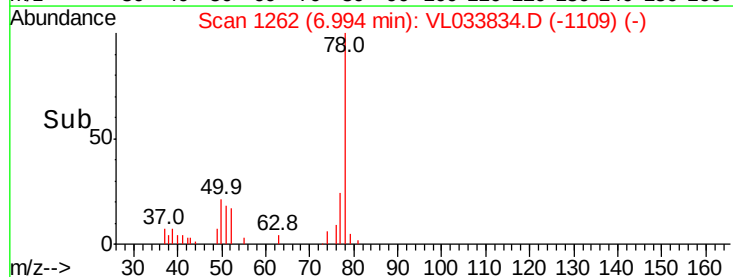
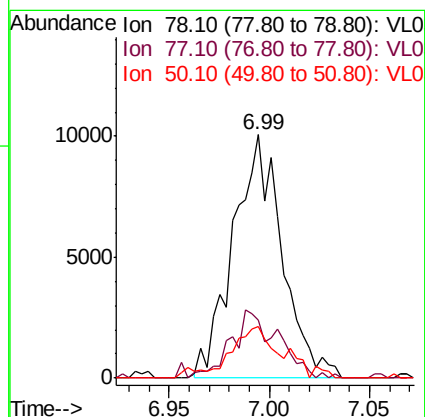
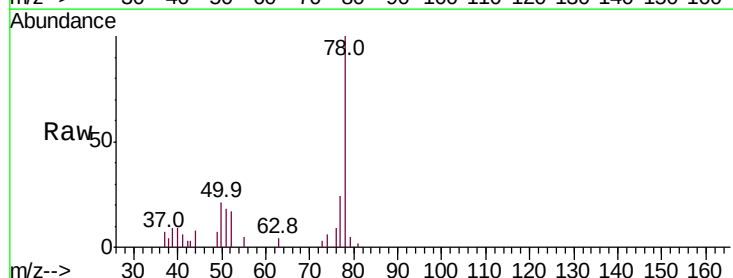
RT: 6.99 min Scan# 1262

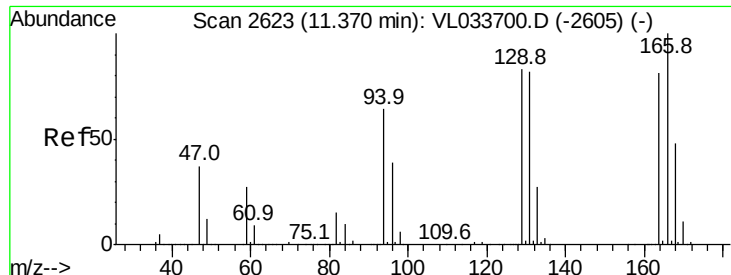
Delta R.T. -0.01 min

Lab File: VL033834.D

Acq: 29 May 2019 12:09

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.4	27.6
50	21.3	15.5	23.3





#52

Tetrachloroethene

Concen: 0.124 ppbv m

RT: 11.35 min Scan# 2618

Delta R.T. -0.02 min

Lab File: VL033834.D

Acq: 29 May 2019 12:09

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3009-25

Tot Ion:164 Resp: 7169

Ion Ratio Lower Upper

164 100

166 102.9 98.9 148.3

129 104.5 81.8 122.6

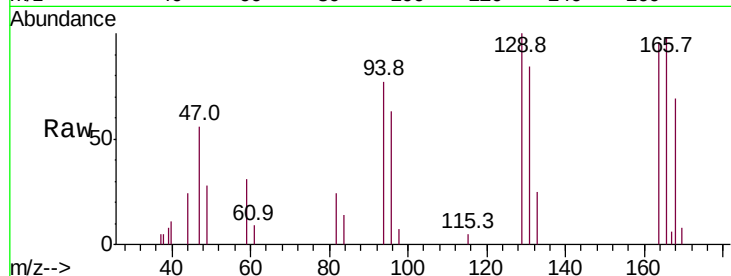
131 87.7 81.1 121.7

Manual Integrations

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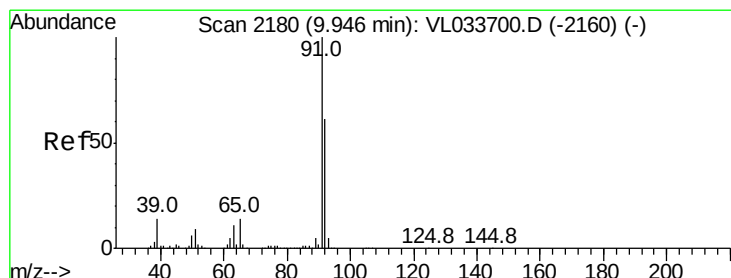
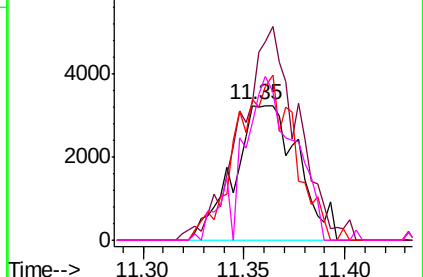
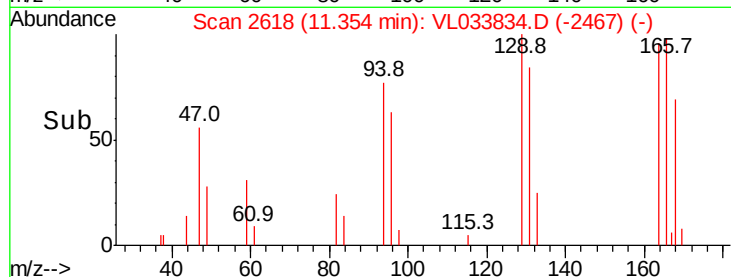


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#53

Toluene

Concen: 0.363 ppbv

RT: 9.94 min Scan# 2177

Delta R.T. -0.01 min

Lab File: VL033834.D

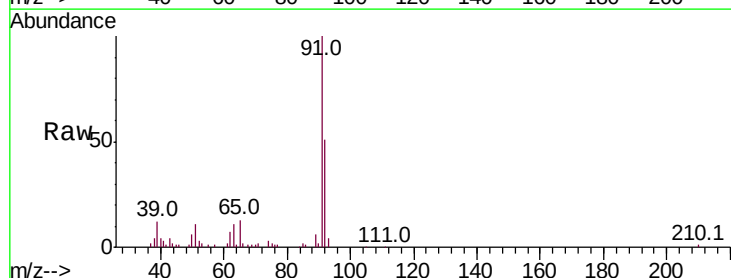
Acq: 29 May 2019 12:09

Tgt Ion: 91 Resp: 64301

Ion Ratio Lower Upper

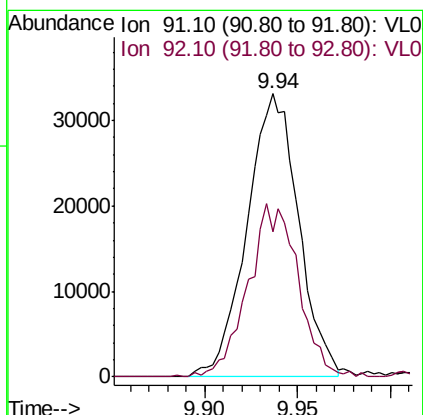
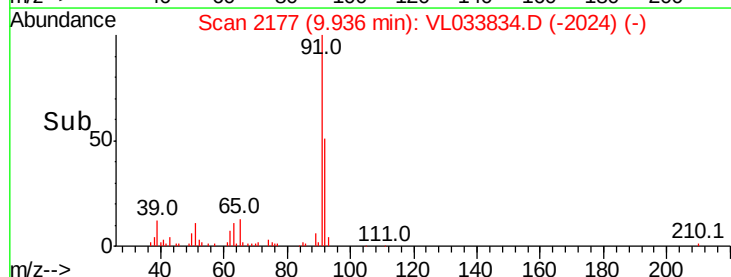
91 100

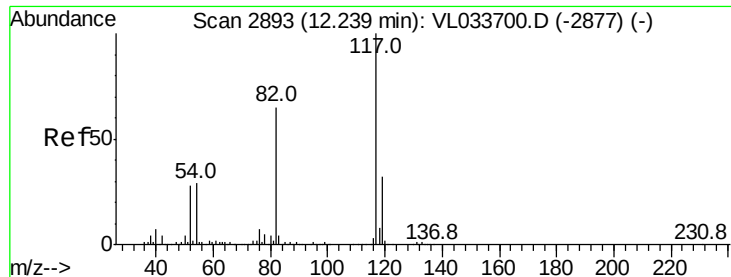
92 59.3 47.6 71.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0





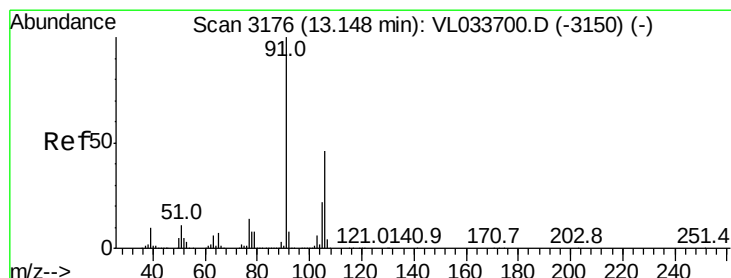
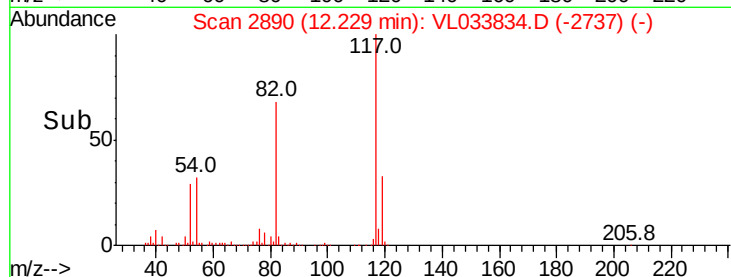
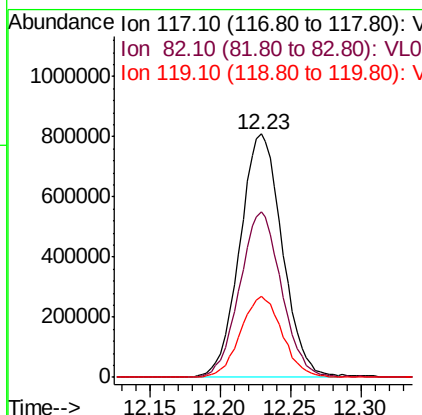
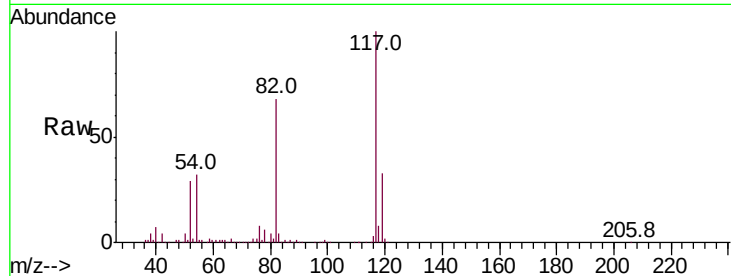
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.23 min Scan# 2890
Delta R.T. -0.01 min
Lab File: VL033834.D
Acq: 29 May 2019 12:09

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3009-25

Tot Ion	Ratio	Lower	Upper
117	100		
82	68.1	49.4	74.0
119	33.1	24.9	37.3

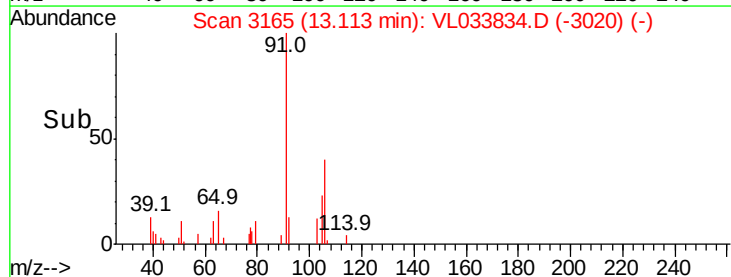
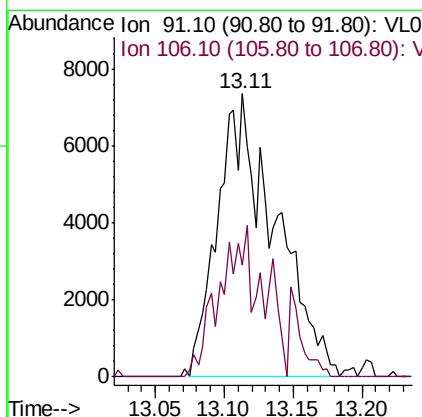
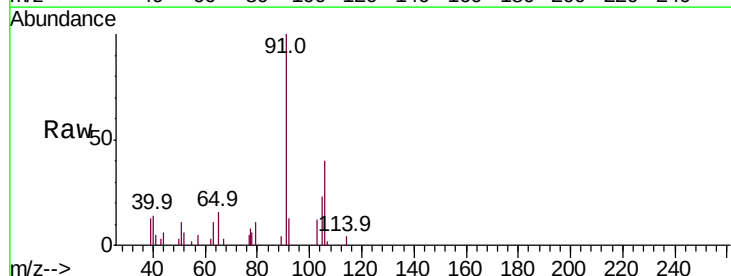
Manual Integrations
APPROVED

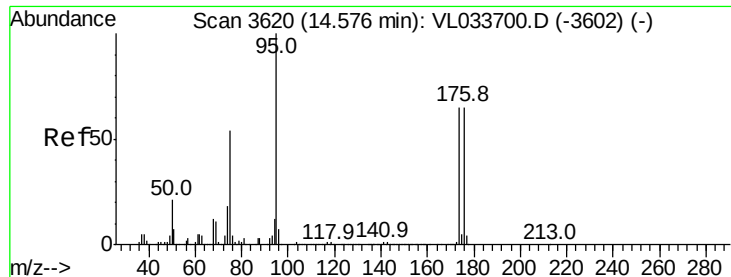
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#59
m/p-Xylene
Concen: 0.108 ppbv m
RT: 13.11 min Scan# 3165
Delta R.T. -0.04 min
Lab File: VL033834.D
Acq: 29 May 2019 12:09

Tgt Ion	Ratio	Lower	Upper
91	100		
106	0.0	35.8	53.6#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.358 ppbv
 RT: 14.57 min Scan# 3617
 Delta R.T. -0.01 min
 Lab File: VL033834.D
 Acq: 29 May 2019 12:09

Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-SG-3009-25

Tot Ion: 95 Resp: 1423559
 Ion Ratio Lower Upper
 95 100
 174 67.2 53.9 80.9
 175 4.7 3.8 5.8

Manual Integrations
 APPROVED

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