

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL050318\
 Data File : VL031971.D
 Acq On : 3 May 2018 20:39
 Operator : SY/AP
 Sample : J2629-04DUP
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA2DUP

Manual Integrations
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 5/4/2018 5:01:06 PM

Quant Time: May 04 04:02:09 2018
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL050318AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May 03 15:52:13 2018
 QLast Update : Thu May 03 15:52:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.88	49	1060516	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.42	114	2433487	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.39	117	2124319	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.72	95	1726321	10.48	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.16	85	39121	0.28	ppbv	91
4) Chloromethane	3.25	50	41017	0.78	ppbv	96
9) Propene	3.14	41	13028	0.36	ppbv #	81
11) Trichlorofluoromethane	4.11	101	36795	0.22	ppbv	90
13) Ethanol	3.75	45	839032	61.44	ppbv #	100
15) Acetone	4.00	43	715057	4.77	ppbv	98
19) Isopropyl Alcohol	4.13	45	510702	6.30	ppbv #	98
20) Methylene Chloride	4.52	84	153277	3.03	ppbv	91
26) Hexane	5.90	57	228228	1.89	ppbv #	47
32) 1,1,1-Trichloroethane	6.75	97	36369m	0.21	ppbv	
34) 2-Butanone	5.45	43	81160	0.40	ppbv	97
35) Carbon Tetrachloride	7.27	117	17273m	0.09	ppbv	
36) Benzene	7.13	78	22717	0.10	ppbv #	91
53) Toluene	10.09	91	47469m	0.19	ppbv	
59) m/p-Xylene	13.27	91	58109m	0.23	ppbv	
60) o-Xylene	14.00	91	28943m	0.11	ppbv	

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

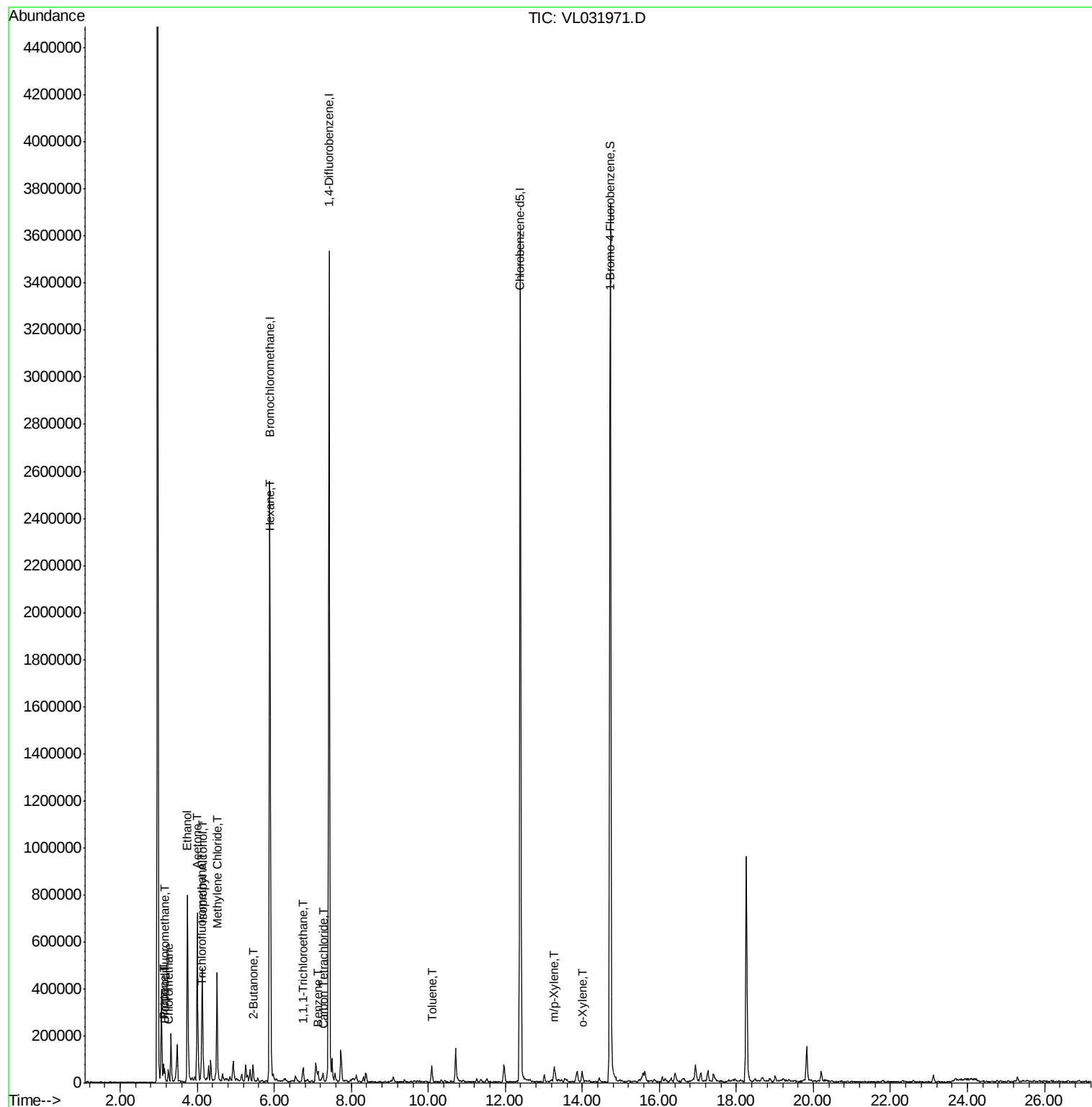
Data Path : W:\HPCHEM1\MSVOA L\DATA\VL050318\
Data File : VL031971.D
Acq On : 3 May 2018 20:39
Operator : SY/AP
Sample : J2629-04DUP
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

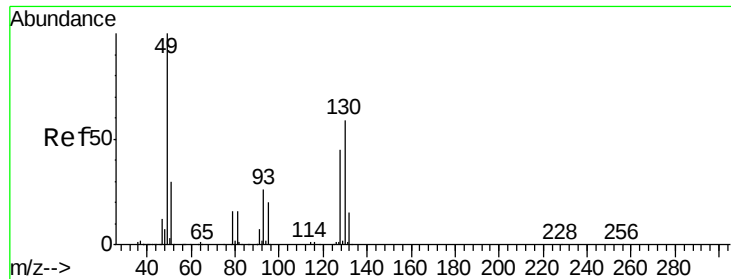
Instrument :
MSVOA_L
ClientSampleId :
IA2DUP

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Quant Time: May 04 04:02:09 2018
Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL050318AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May
QLast Update : Thu May 03 15:52:13 2018
Response via : Initial Calibration





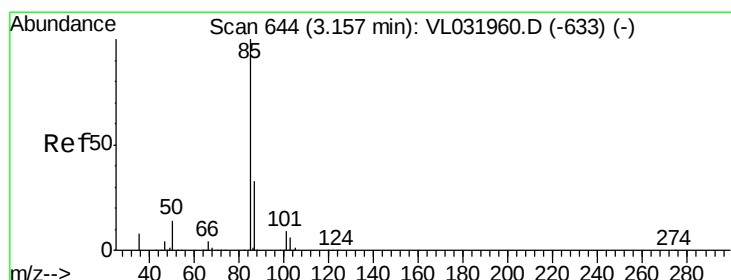
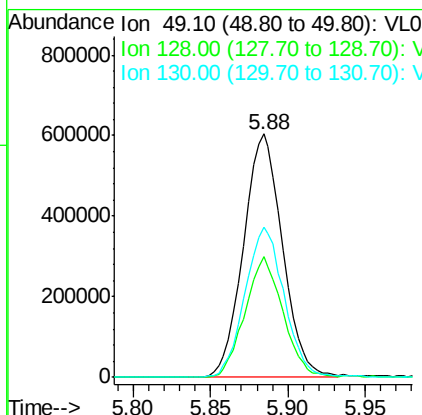
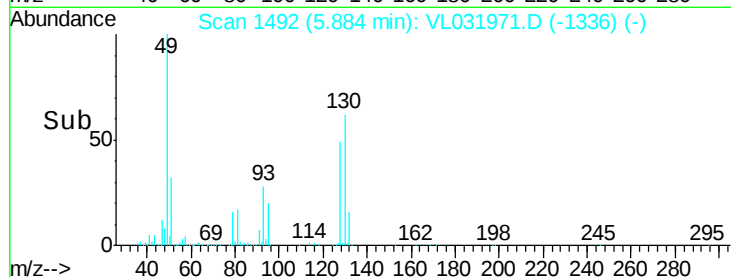
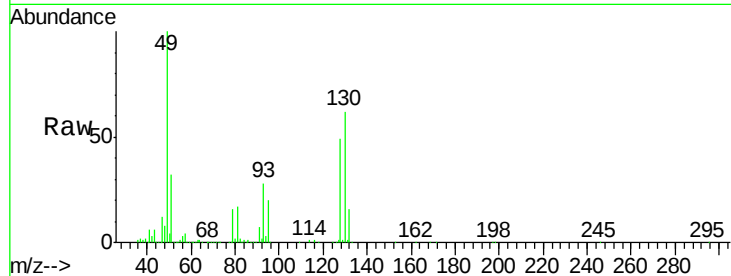
#1
 Bromochloromethane
 Concen: 10.00 ppbv
 RT: 5.88 min Scan# 1492
 Delta R.T. 0.00 min
 Lab File: VL031971.D
 Acq: 3 May 2018 20:39

Instrument :
 MSVOA_L
 ClientSampleId :
 IA2DUP

Tot Ion:	49	Resp:	1060516
Ion	Ratio	Lower	Upper
49	100		
128	48.8	24.1	72.3
130	62.4	30.7	92.1

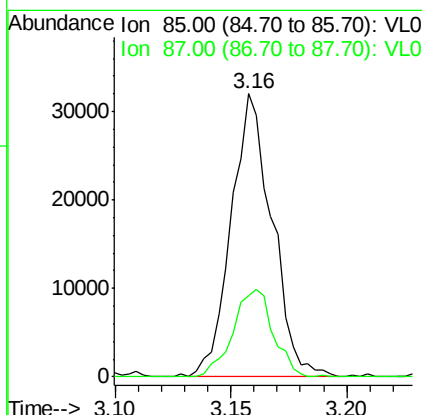
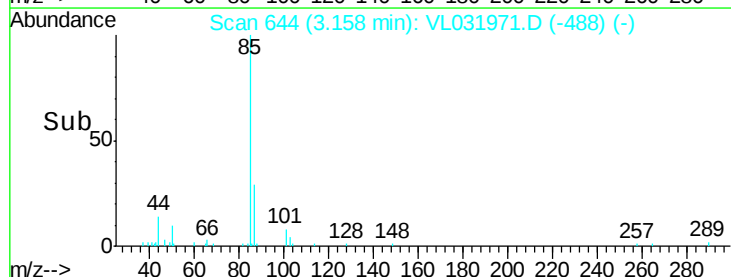
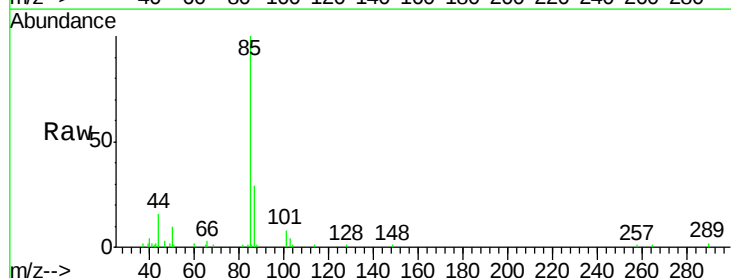
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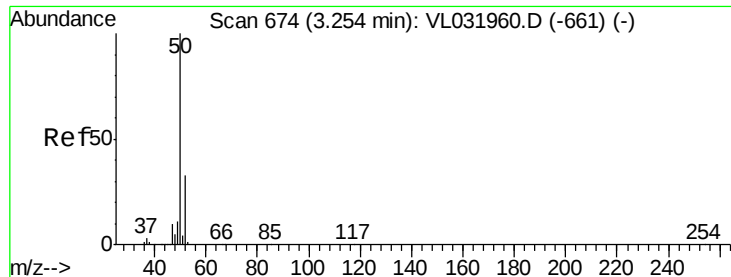
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#2
 Dichlorodifluoromethane
 Concen: 0.28 ppbv
 RT: 3.16 min Scan# 644
 Delta R.T. 0.00 min
 Lab File: VL031971.D
 Acq: 3 May 2018 20:39

Tgt Ion:	85	Resp:	39121
Ion	Ratio	Lower	Upper
85	100		
87	28.6	26.8	40.2





#4

Chloromethane

Concen: 0.78 ppbv

RT: 3.25 min Scan# 674

Delta R.T. 0.00 min

Lab File: VL031971.D

Acq: 3 May 2018 20:39

Instrument :

MSVOA_L

ClientSampleId :

IA2DUP

Tot Ion: 50 Resp: 41017

Ion Ratio Lower Upper

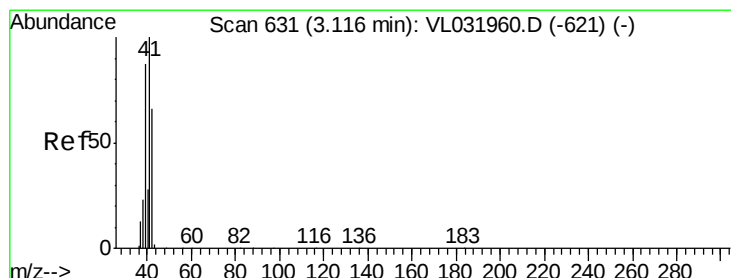
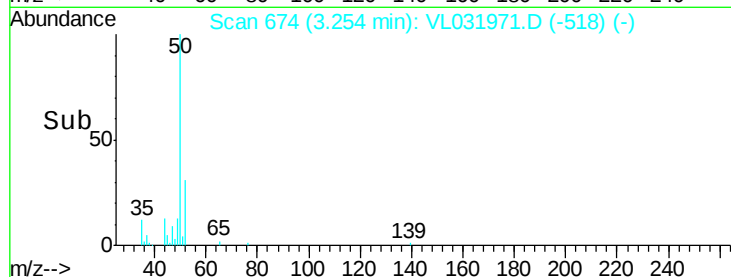
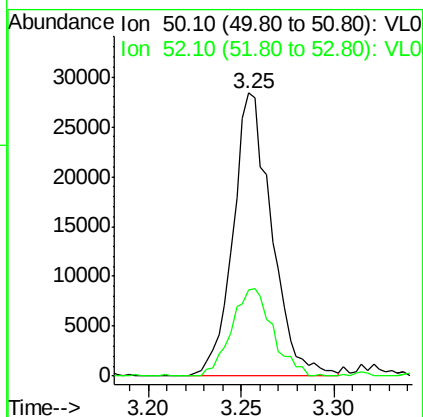
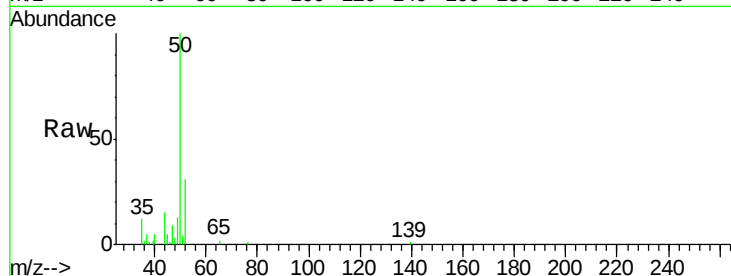
50 100

52 30.7 26.6 39.8

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#9

Propene

Concen: 0.36 ppbv

RT: 3.14 min Scan# 637

Delta R.T. 0.02 min

Lab File: VL031971.D

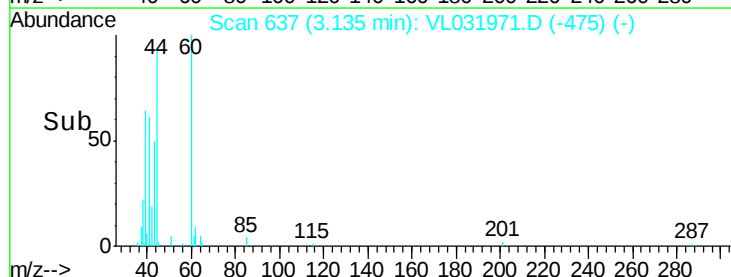
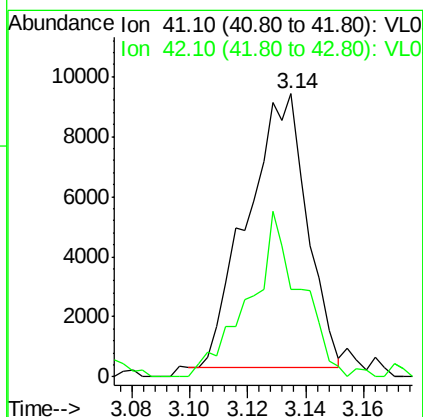
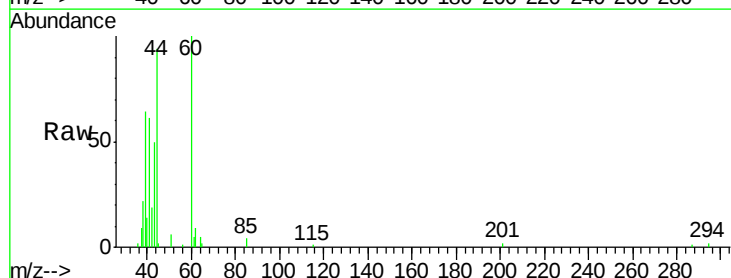
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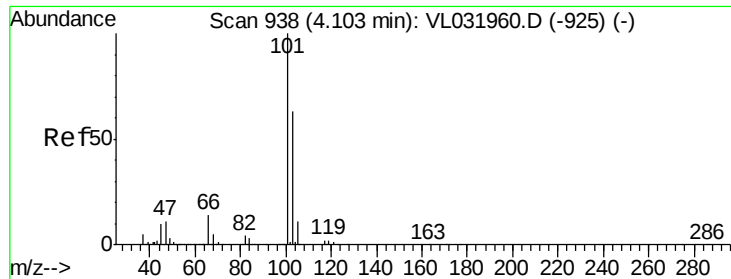
Tgt Ion: 41 Resp: 13028

Ion Ratio Lower Upper

41 100

42 52.1 53.9 80.9#





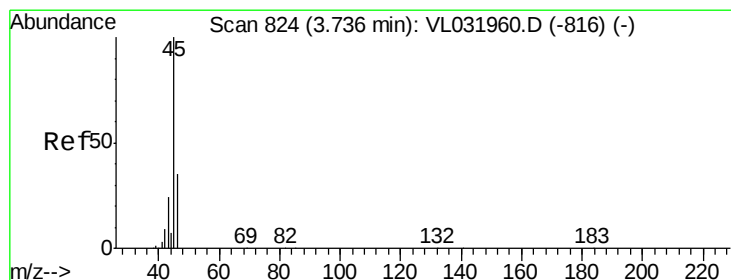
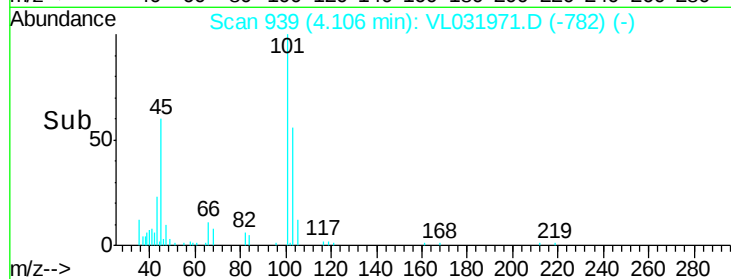
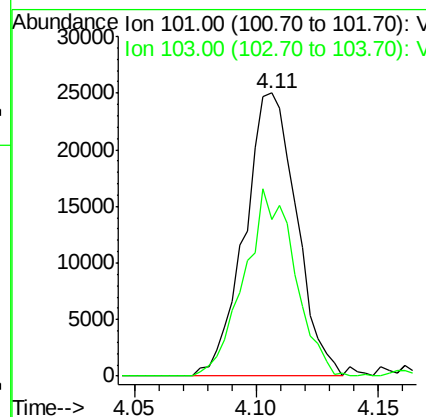
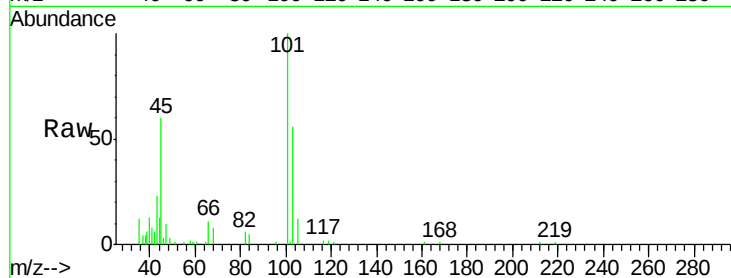
#11
Trichlorofluoromethane
Concen: 0.22 ppbv
RT: 4.11 min Scan# 939
Delta R.T. 0.00 min
Lab File: VL031971.D
Acq: 3 May 2018 20:39

Instrument :
MSVOA_L
ClientSampled :
IA2DUP

Tot Ion:101 Resp: 36795
Ion Ratio Lower Upper
101 100
103 55.5 50.7 76.1

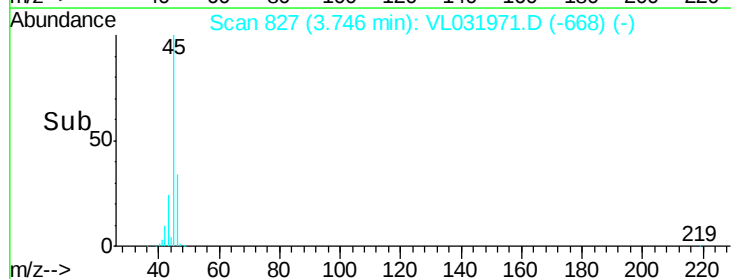
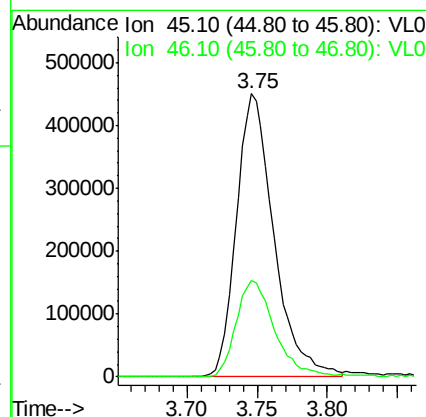
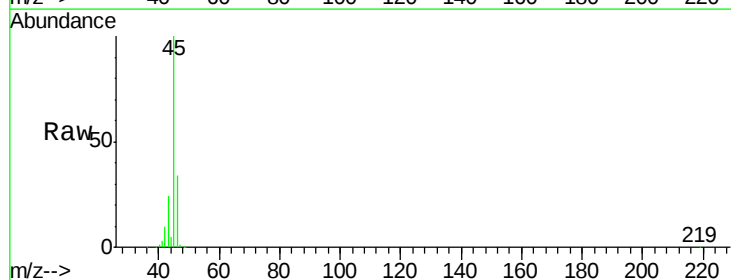
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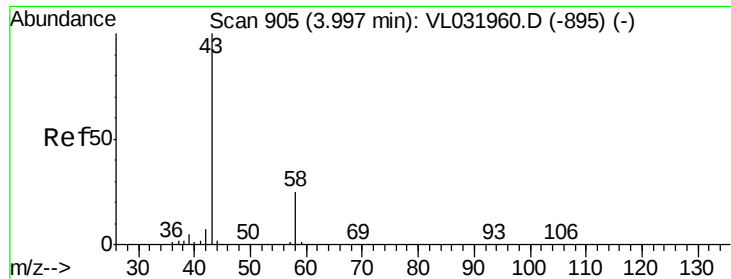
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#13
Ethanol
Concen: 61.44 ppbv
RT: 3.75 min Scan# 827
Delta R.T. 0.01 min
Lab File: VL031971.D
Acq: 3 May 2018 20:39

Tgt Ion: 45 Resp: 839032
Ion Ratio Lower Upper
45 100
46 36.1 0.0 0.0#





#15

Acetone

Concen: 4.77 ppbv

RT: 4.00 min Scan# 906

Delta R.T. 0.00 min

Lab File: VL031971.D

Acq: 3 May 2018 20:39

Instrument :

MSVOA_L

ClientSampled :

IA2DUP

Tot Ion: 43 Resp: 715057

Ion Ratio Lower Upper

43 100

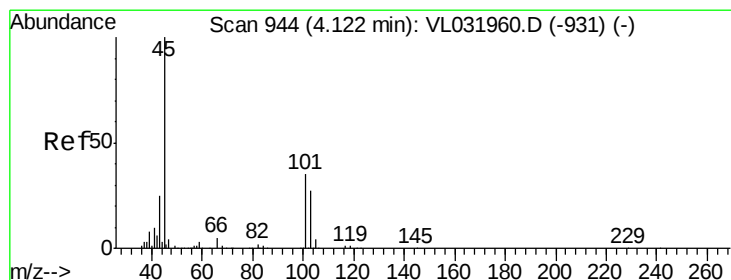
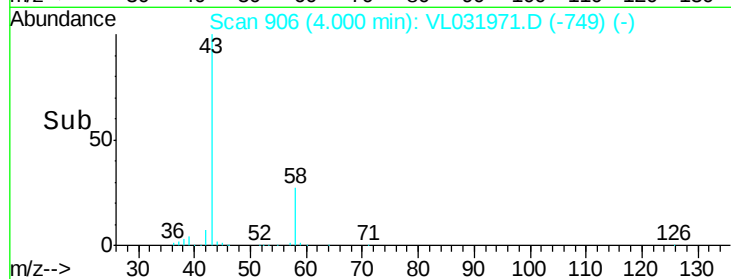
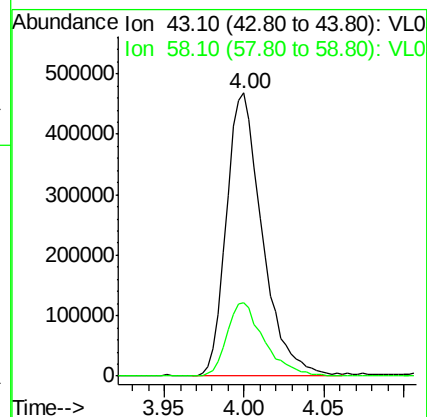
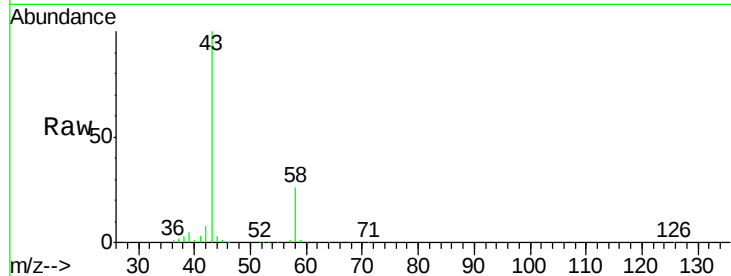
58 27.3 21.1 31.7

Manual Integrations

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#19

Isopropyl Alcohol

Concen: 6.30 ppbv

RT: 4.13 min Scan# 947

Delta R.T. 0.01 min

Lab File: VL031971.D

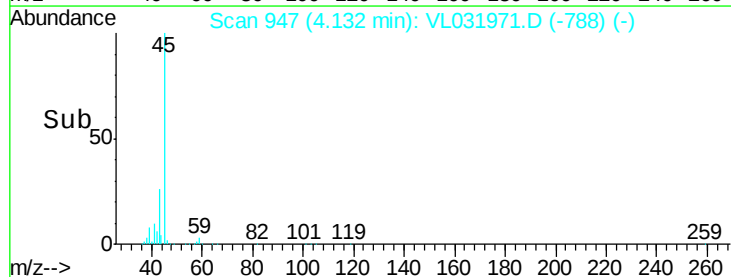
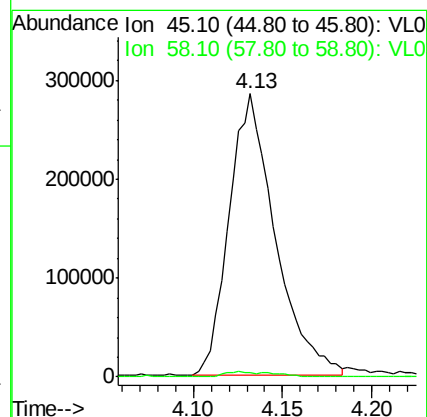
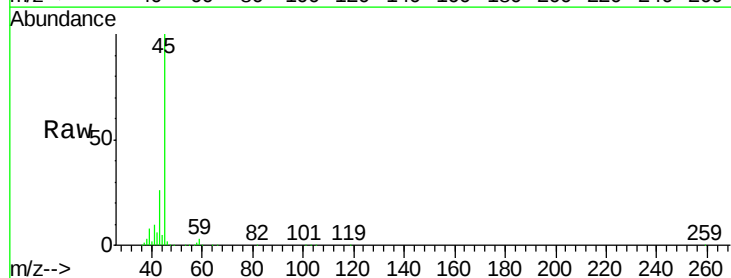
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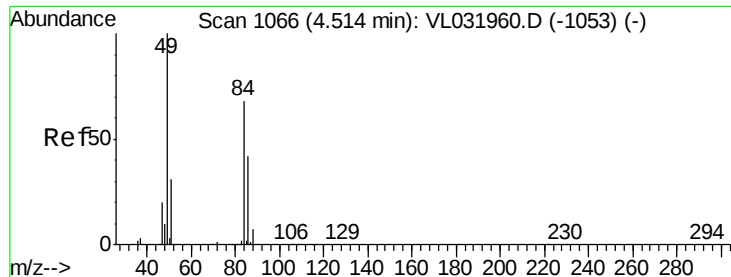
Tgt Ion: 45 Resp: 510702

Ion Ratio Lower Upper

45 100

58 2.4 1.4 2.2#





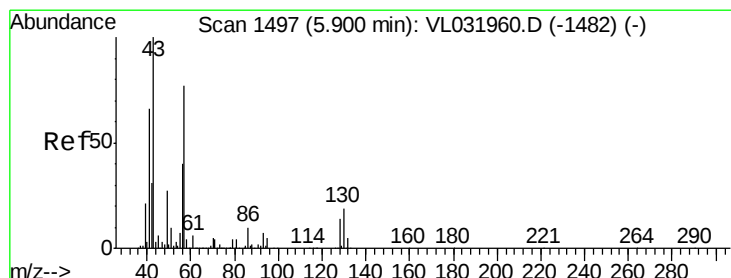
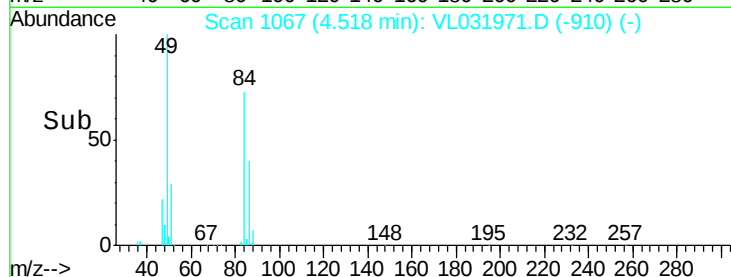
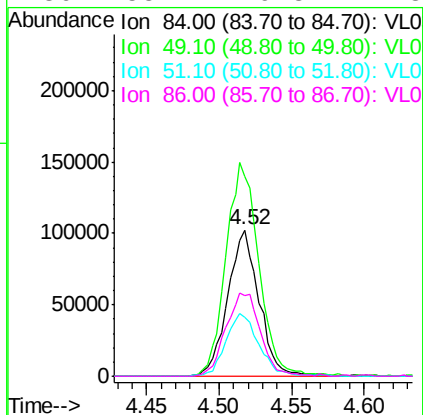
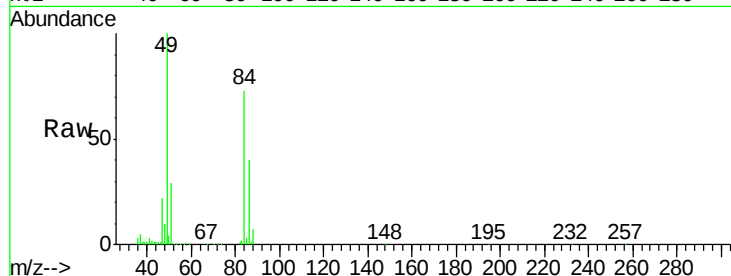
#20
Methvlene Chloride
Concen: 3.03 ppbv
RT: 4.52 min Scan# 1067
Delta R.T. 0.00 min
Lab File: VL031971.D
Acq: 3 May 2018 20:39

Instrument :
MSVOA_L
ClientSampleId :
IA2DUP

Tot Ion:	84	Resp:	153277
Ion	Ratio	Lower	Upper
84	100		
49	136.3	118.6	178.0
51	40.2	36.6	54.8
86	55.1	49.8	74.8

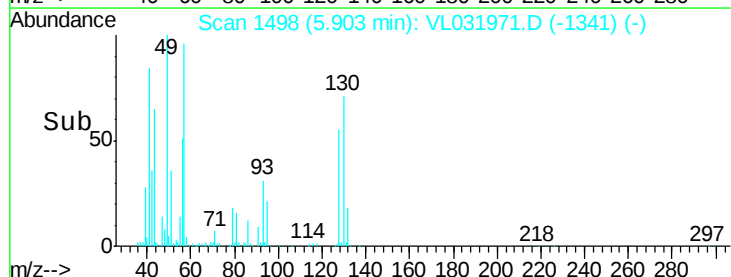
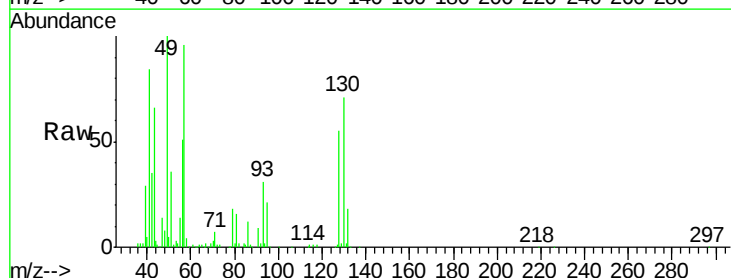
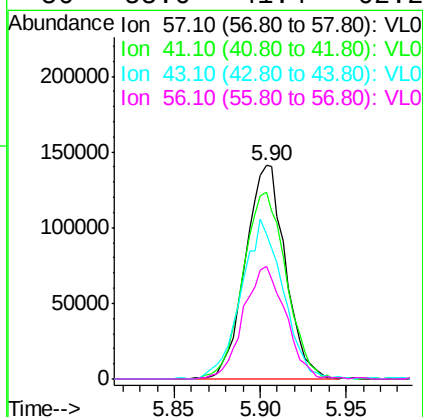
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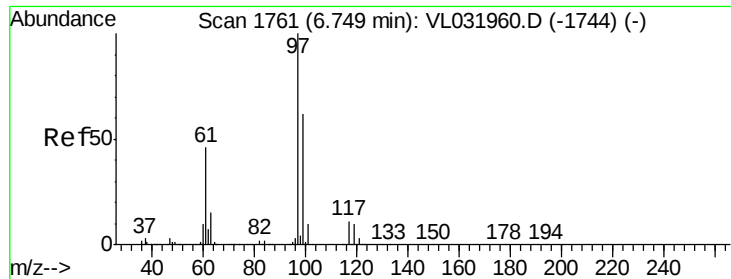
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#26
Hexane
Concen: 1.89 ppbv
RT: 5.90 min Scan# 1498
Delta R.T. 0.00 min
Lab File: VL031971.D
Acq: 3 May 2018 20:39

Tgt Ion:	57	Resp:	228228
Ion	Ratio	Lower	Upper
57	100		
41	94.4	71.8	107.6
43	79.3	171.5	257.3#
56	55.6	41.4	62.2





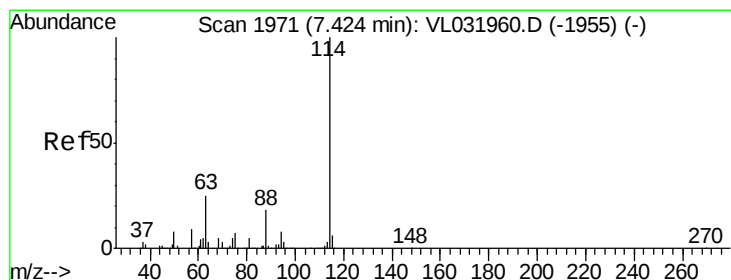
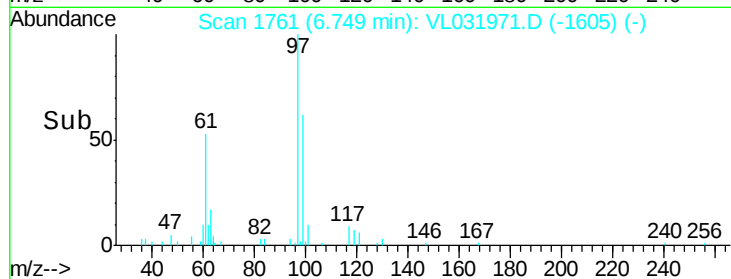
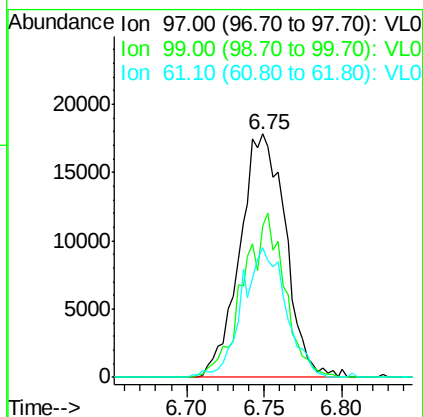
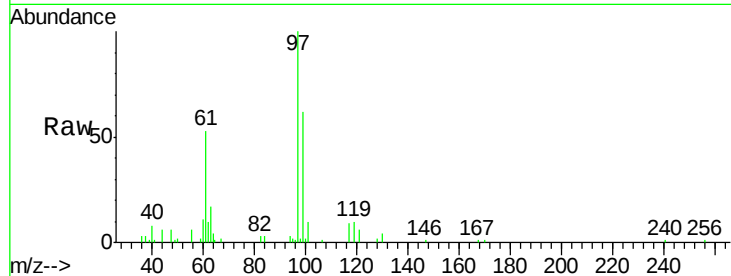
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 1,1,1-Trichloroethane
 Concen: 0.21 ppbv m
 RT: 6.75 min Scan# 1761
 Delta R.T. 0.00 min
 Lab File: VL031971.D
 Acq: 3 May 2018 20:39

Instrument :
 MSVOA_L
 ClientSampleID :
 IA2DUP

Tot Ion	Ratio	Lower	Upper
97	100		
99	61.7	51.0	76.6
61	51.6	38.1	57.1

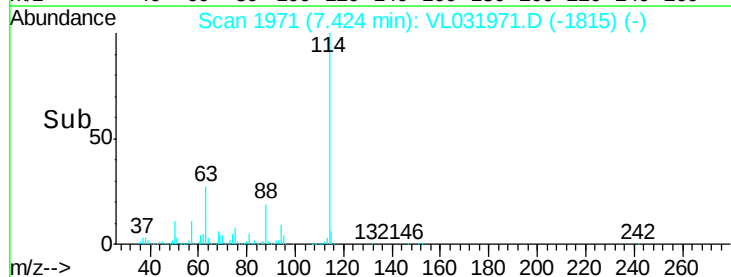
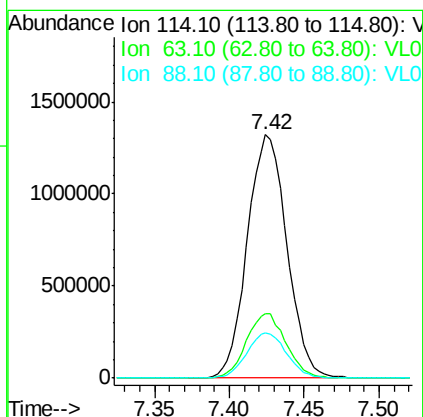
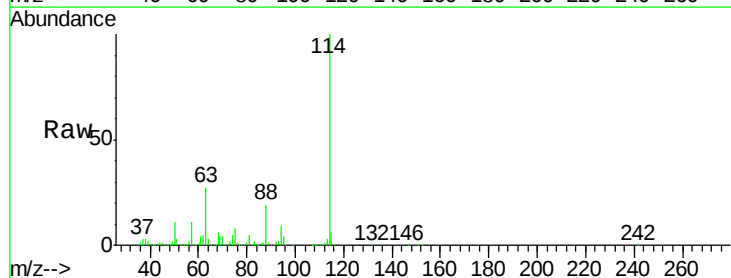
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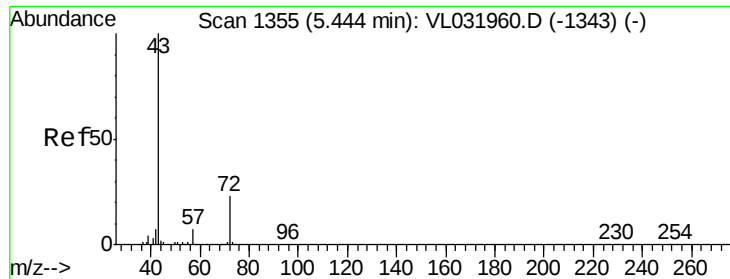
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#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.42 min Scan# 1971
 Delta R.T. 0.00 min
 Lab File: VL031971.D
 Acq: 3 May 2018 20:39

Tgt Ion	Ratio	Lower	Upper
114	100		
63	26.8	20.8	31.2
88	18.7	14.6	21.8





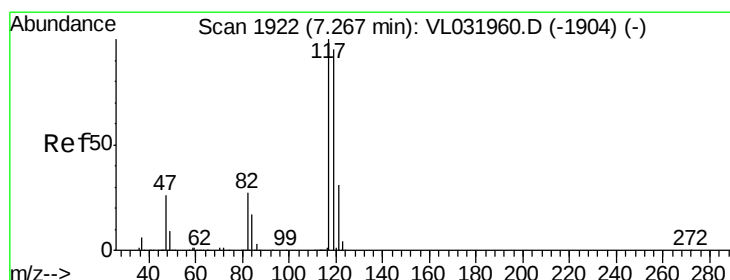
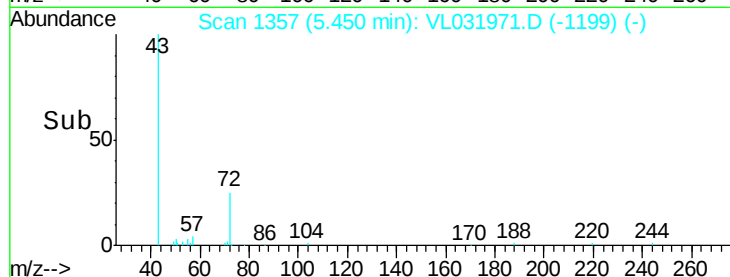
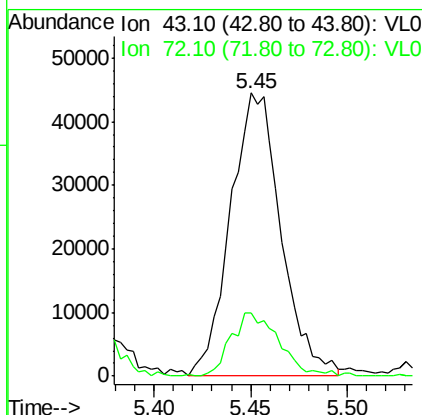
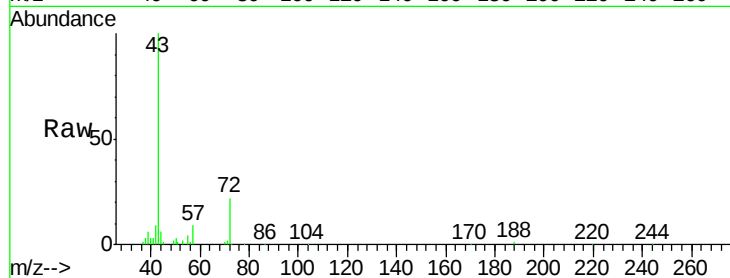
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2-Butanone
Concen: 0.40 ppbv
RT: 5.45 min Scan# 1357
Delta R.T. 0.01 min
Lab File: VL031971.D
Acq: 3 May 2018 20:39

Instrument :
MSVOA_L
ClientSampleId :
IA2DUP

Tot Ion	43	Resp	81160
Ion Ratio	100	Lower	Upper
72	21.3	18.3	27.5

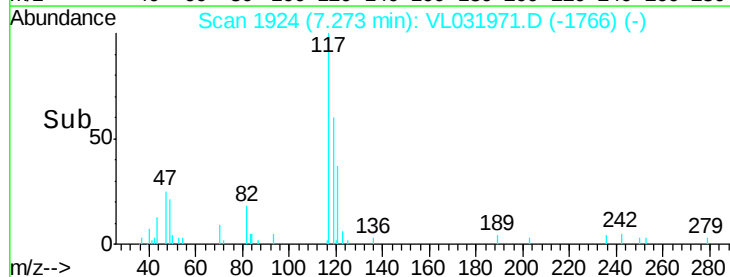
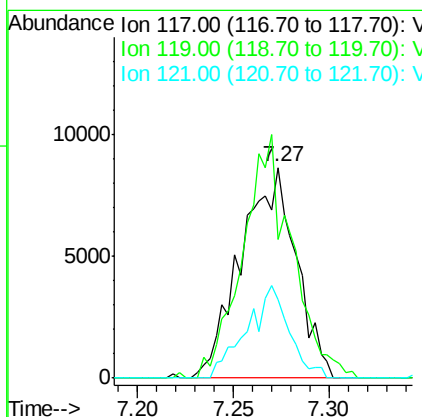
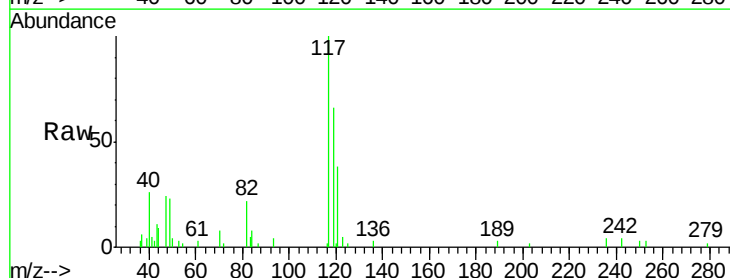
Manual Integrations
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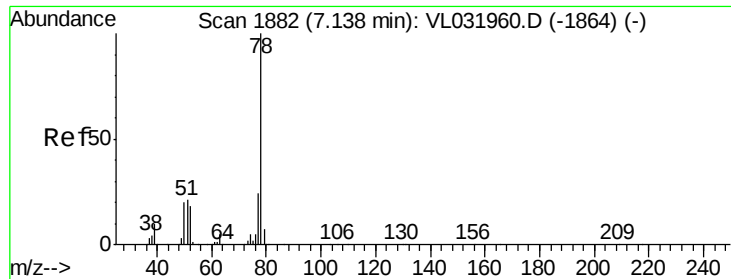
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#35
Carbon Tetrachloride
Concen: 0.09 ppbv m
RT: 7.27 min Scan# 1924
Delta R.T. 0.01 min
Lab File: VL031971.D
Acq: 3 May 2018 20:39

Tgt Ion	117	Resp	17273
Ion Ratio	100	Lower	Upper
119	66.0	76.4	114.6#
121	37.6	24.4	36.6#





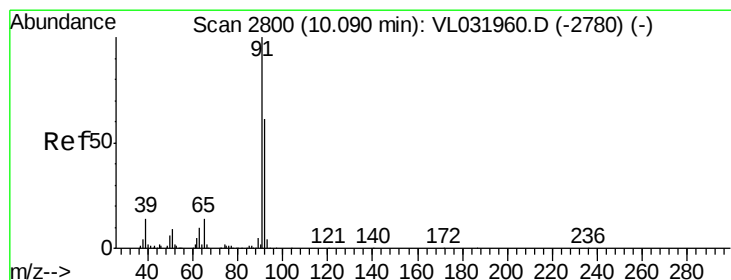
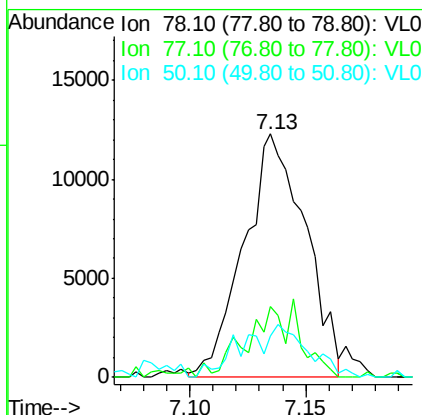
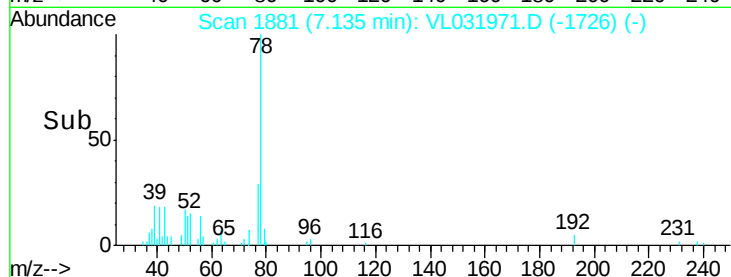
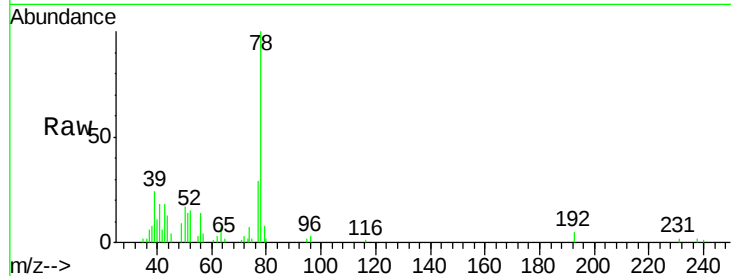
#36
Benzene
Concen: 0.10 ppbv
RT: 7.13 min Scan# 1881
Delta R.T. -0.00 min
Lab File: VL031971.D
Acq: 3 May 2018 20:39

Instrument :
MSVOA_L
ClientSampleId :
IA2DUP

Tot Ion	Ratio	Lower	Upper
78	100		
77	29.6	19.2	28.8#
50	17.3	16.2	24.4

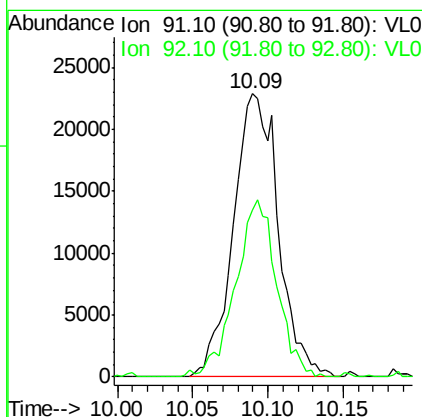
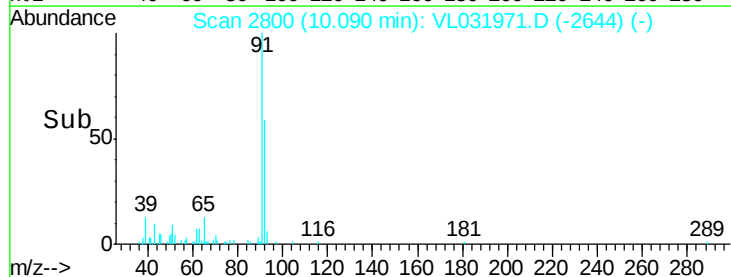
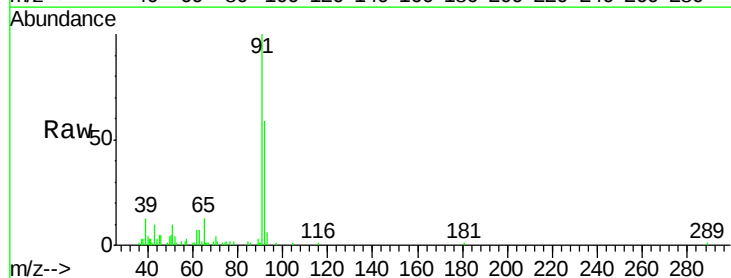
Manual Integrations
APPROVED

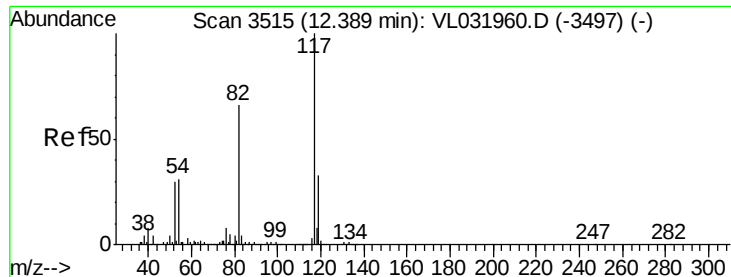
MMDadoda
5/4/2018 5:01:06 PM



#53
Toluene
Concen: 0.19 ppbv m
RT: 10.09 min Scan# 2800
Delta R.T. 0.00 min
Lab File: VL031971.D
Acq: 3 May 2018 20:39

Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.1	47.4	71.2





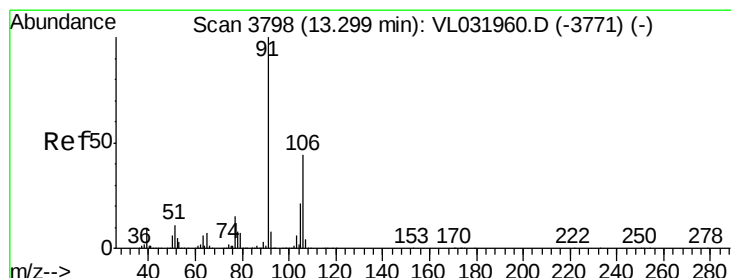
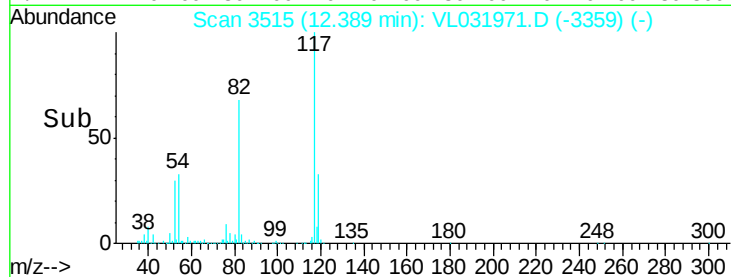
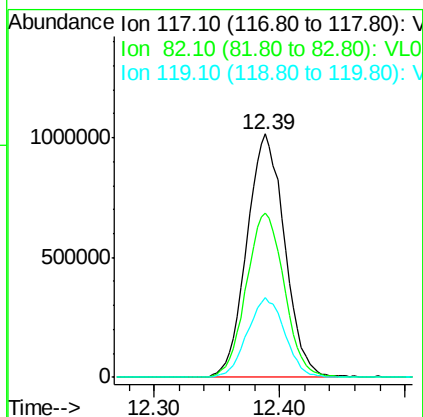
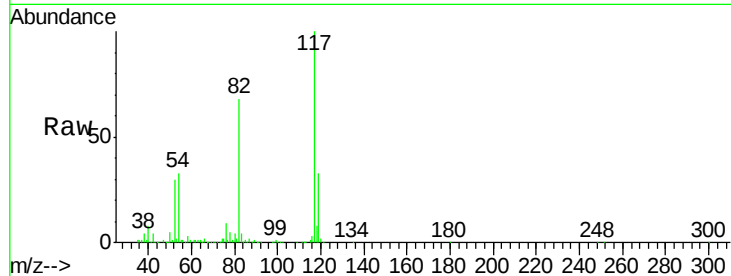
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.39 min Scan# 3515
Delta R.T. 0.00 min
Lab File: VL031971.D
Acq: 3 May 2018 20:39

Instrument :
MSVOA_L
ClientSampled :
IA2DUP

Tot Ion	Ratio	Lower	Upper
117	100		
82	68.1	51.6	77.4
119	32.7	44.2	66.4

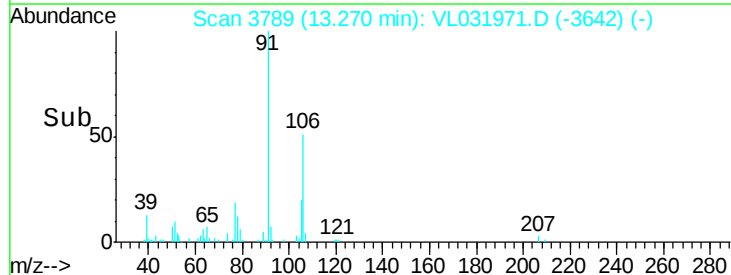
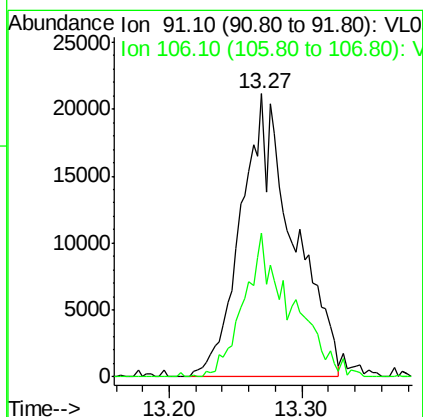
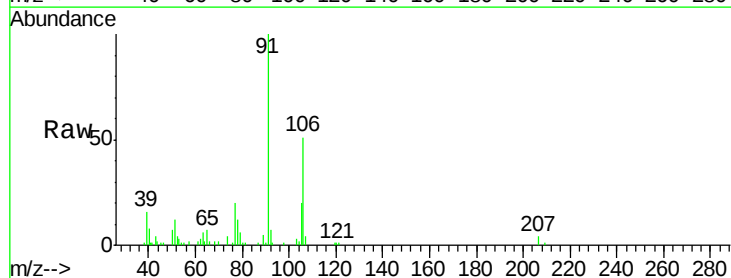
Manual Integrations
APPROVED

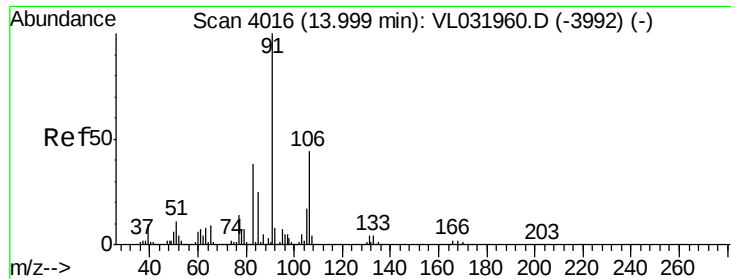
MMDadoda
5/4/2018 5:01:06 PM



#59
m/p-Xylene
Concen: 0.23 ppbv m
RT: 13.27 min Scan# 3789
Delta R.T. -0.03 min
Lab File: VL031971.D
Acq: 3 May 2018 20:39

Tgt Ion	Ratio	Lower	Upper
91	100		
106	0.0	35.9	53.9





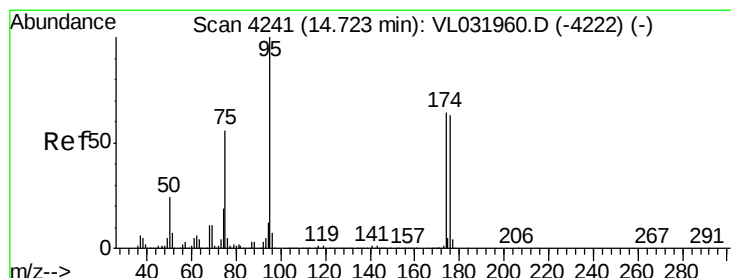
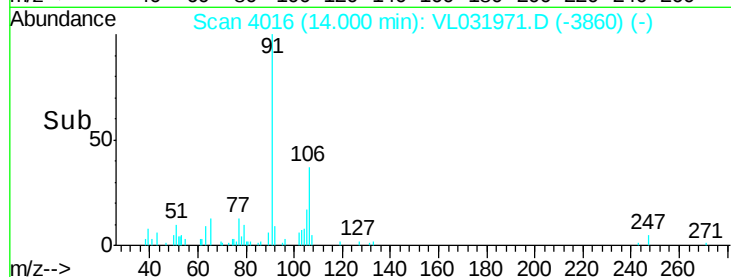
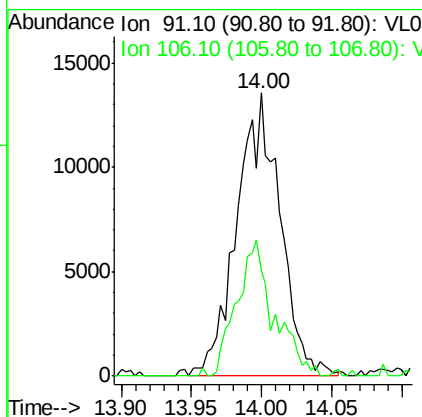
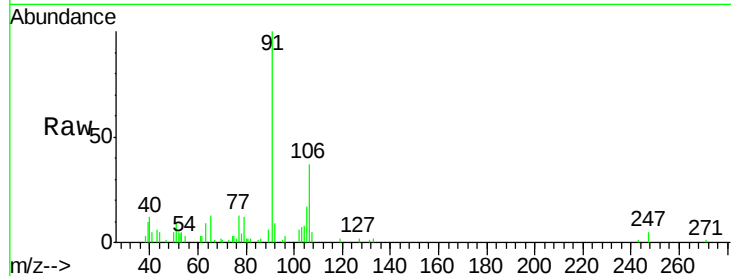
#60
o-Xylene
Concen: 0.11 ppbv m
RT: 14.00 min Scan# 4016
Delta R.T. 0.00 min
Lab File: VL031971.D
Acq: 3 May 2018 20:39

Instrument :
MSVOA_L
ClientSampleId :
IA2DUP

Tot Ion: 91 Resp: 28943
Ion Ratio Lower Upper
91 100
106 42.0 21.5 64.5

Manual Integrations
APPROVED

MMDadoda
5/4/2018 5:01:06 PM



#68
1-Bromo-4-Fluorobenzene
Concen: 10.48 ppbv
RT: 14.72 min Scan# 4241
Delta R.T. 0.00 min
Lab File: VL031971.D
Acq: 3 May 2018 20:39

Tgt Ion: 95 Resp: 1726321
Ion Ratio Lower Upper
95 100
174 66.1 53.0 79.6
175 4.8 3.9 5.9

