

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL050318\
 Data File : VL031970.D
 Acq On : 3 May 2018 19:57
 Operator : SY/AP
 Sample : J2629-04
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA2

Manual Integrations
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 5/4/2018 5:01:05 PM

Quant Time: May 04 03:51:16 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	5.89	49	1071796	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.42	114	2493072	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.39	117	2149074	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.72	95	1720849	10.33	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.16	85	42640	0.30	ppbv	95
4) Chloromethane	3.26	50	39040	0.73	ppbv	92
9) Propene	3.14	41	14310m	0.39	ppbv	
11) Trichlorofluoromethane	4.11	101	36739m	0.21	ppbv	
13) Ethanol	3.75	45	882091	63.91	ppbv #	100
15) Acetone	4.00	43	696213	4.60	ppbv	98
19) Isopropyl Alcohol	4.13	45	505113	6.17	ppbv #	98
20) Methylene Chloride	4.52	84	154200	3.02	ppbv	99
26) Hexane	5.90	57	233595	1.91	ppbv #	47
32) 1,1,1-Trichloroethane	6.75	97	37912m	0.21	ppbv	
34) 2-Butanone	5.45	43	76995	0.37	ppbv	99
35) Carbon Tetrachloride	7.26	117	17124m	0.09	ppbv	
36) Benzene	7.14	78	23487m	0.10	ppbv	
53) Toluene	10.09	91	46974m	0.19	ppbv	
59) m/p-Xylene	13.28	91	60467m	0.23	ppbv	
60) o-Xylene	14.00	91	28944	0.11	ppbv	98

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

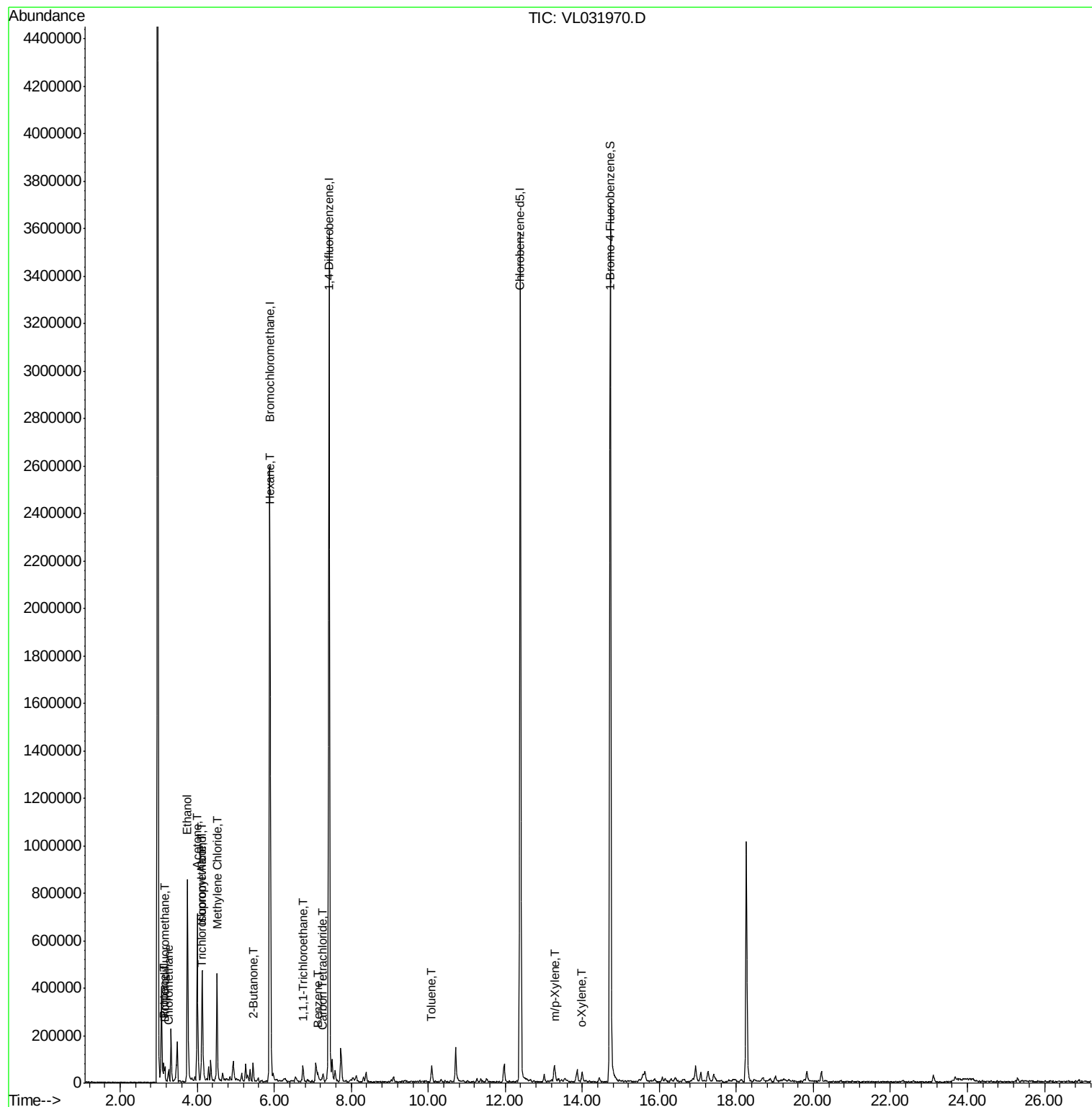
Data Path : W:\HPCHEM1\MSVOA L\DATA\VL050318\
Data File : VL031970.D
Acq On : 3 May 2018 19:57
Operator : SY/AP
Sample : J2629-04
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

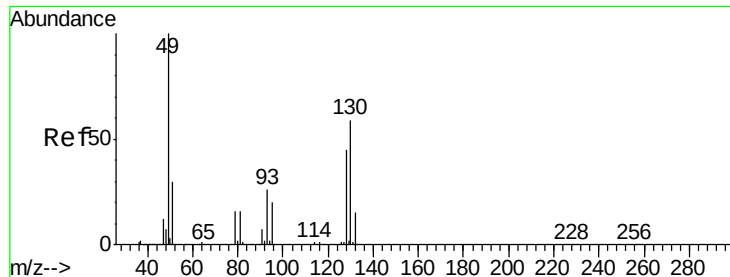
Instrument :
MSVOA_L
ClientSampleId :
IA2

Manual Integrations
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Quant Time: May 04 03:51:16 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





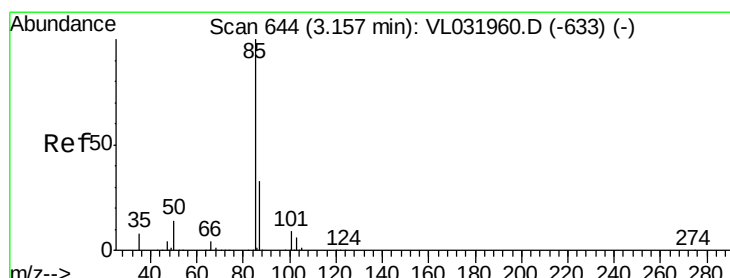
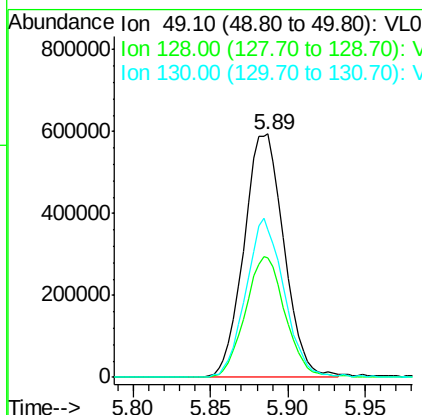
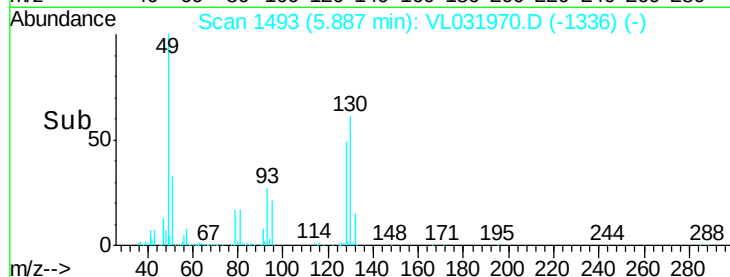
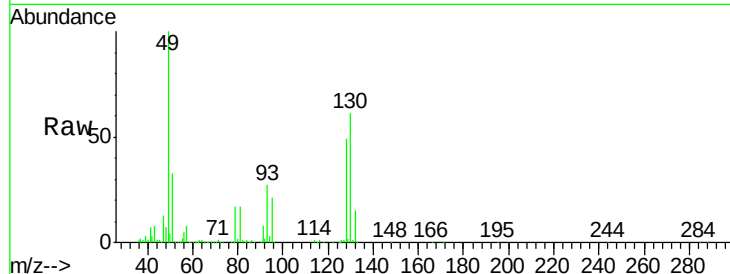
#1
 Bromochloromethane
 Concen: 10.00 ppbv
 RT: 5.89 min Scan# 1493
 Delta R.T. 0.00 min
 Lab File: VL031970.D
 Acq: 3 May 2018 19:57

Instrument :
 MSVOA_L
 ClientSampled :
 IA2

Tot Ion	Ratio	Lower	Upper
49	100		
128	49.8	24.1	72.3
130	62.5	30.7	92.1

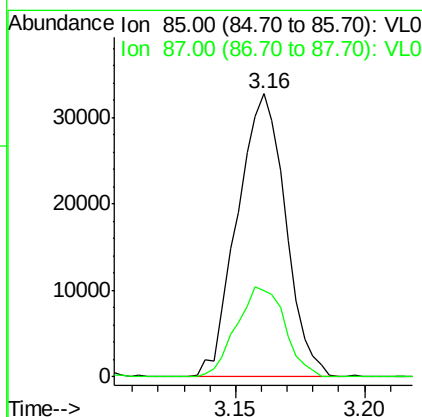
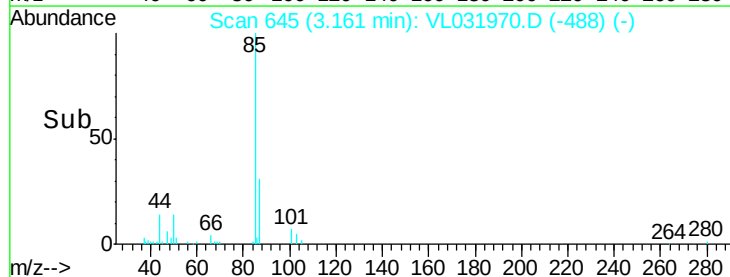
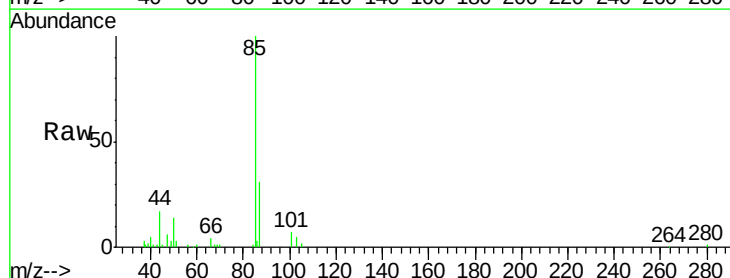
Manual Integrations
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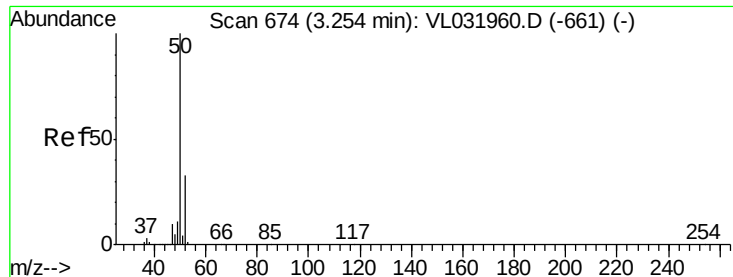
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#2
 Dichlorodifluoromethane
 Concen: 0.30 ppbv
 RT: 3.16 min Scan# 645
 Delta R.T. 0.00 min
 Lab File: VL031970.D
 Acq: 3 May 2018 19:57

Tgt Ion	Ratio	Lower	Upper
85	100		
87	30.6	26.8	40.2





#4

Chloromethane

Concen: 0.73 ppbv

RT: 3.26 min Scan# 675

Delta R.T. 0.00 min

Lab File: VL031970.D

Acq: 3 May 2018 19:57

Instrument :

MSVOA_L

ClientSampled :

IA2

Tot Ion: 50 Resp: 39040

Ion Ratio Lower Upper

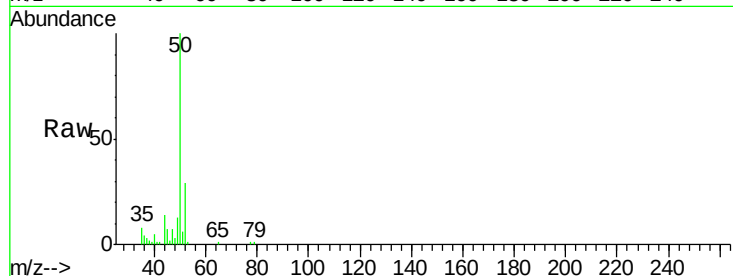
50 100

52 28.8 26.6 39.8

Manual Integrations
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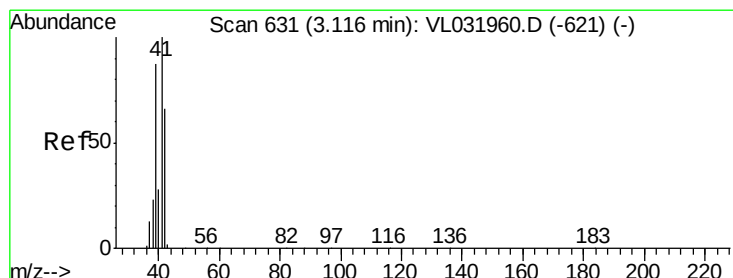
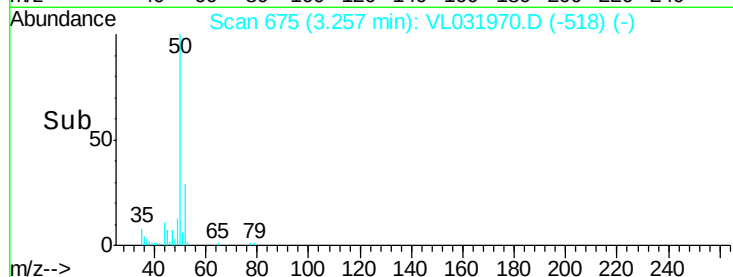
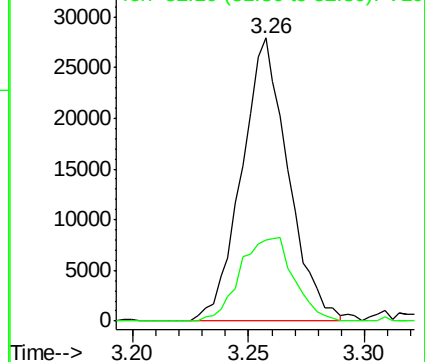
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Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0



#9

Propene

Concen: 0.39 ppbv m

RT: 3.14 min Scan# 637

Delta R.T. 0.02 min

Lab File: VL031970.D

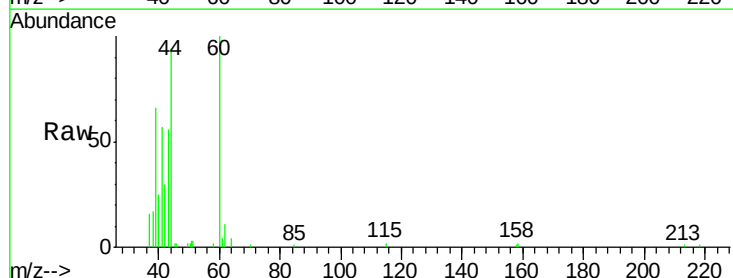
Acq: 3 May 2018 19:57

Tgt Ion: 41 Resp: 14310

Ion Ratio Lower Upper

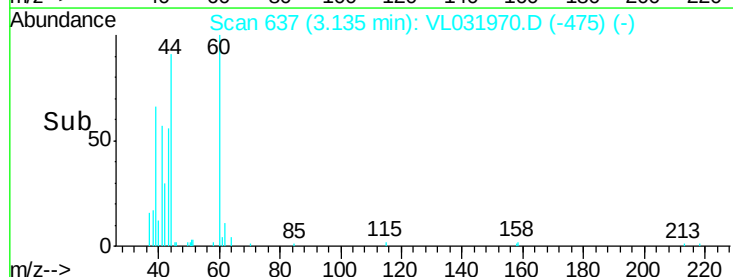
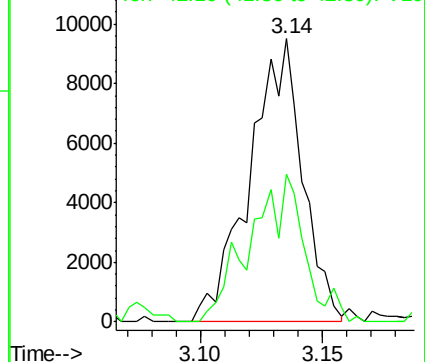
41 100

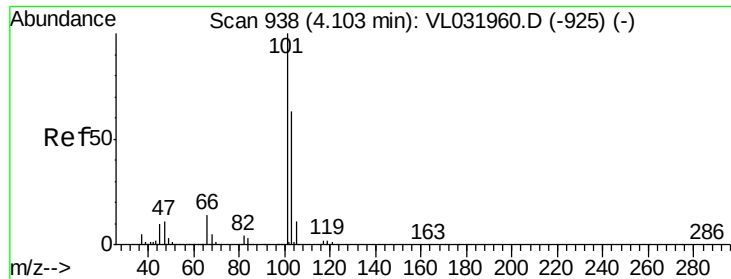
42 53.7 53.9 80.9#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





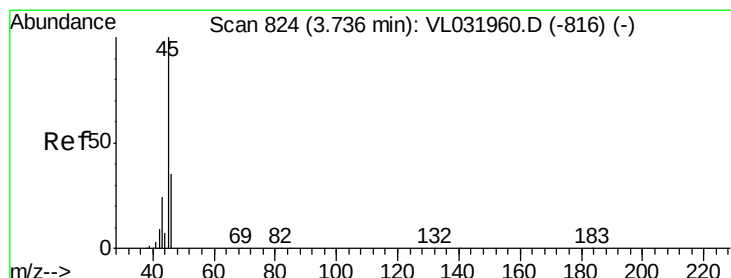
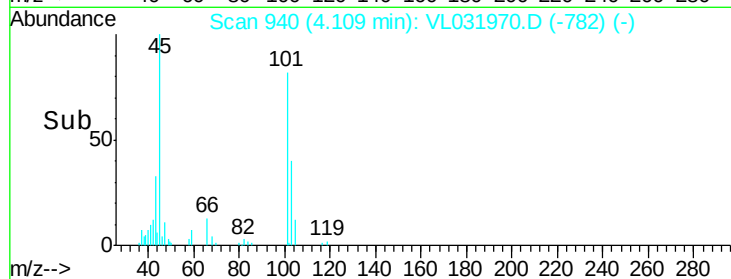
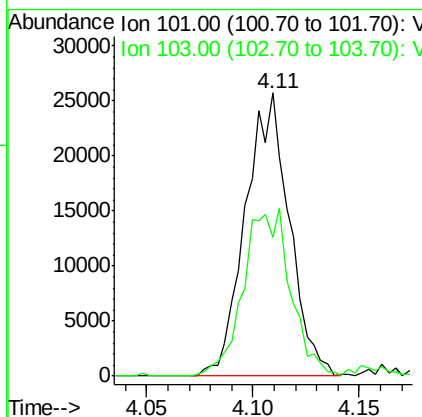
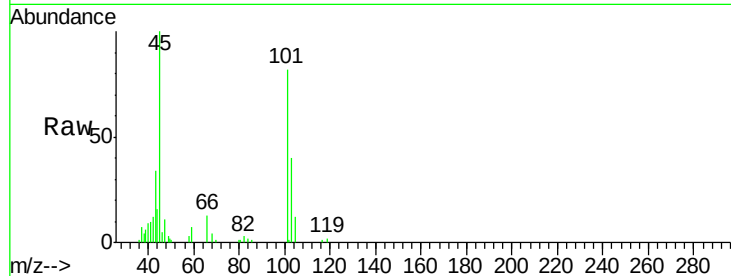
#11
 Trichlorofluoromethane
 Concen: 0.21 ppbv m
 RT: 4.11 min Scan# 940
 Delta R.T. 0.01 min
 Lab File: VL031970.D
 Acq: 3 May 2018 19:57

Instrument :
 MSVOA_L
 ClientSampled :
 IA2

Tot Ion:101 Resp: 36739
 Ion Ratio Lower Upper
 101 100
 103 49.2 50.7 76.1#

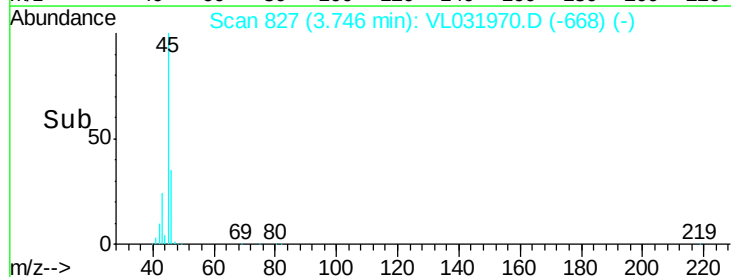
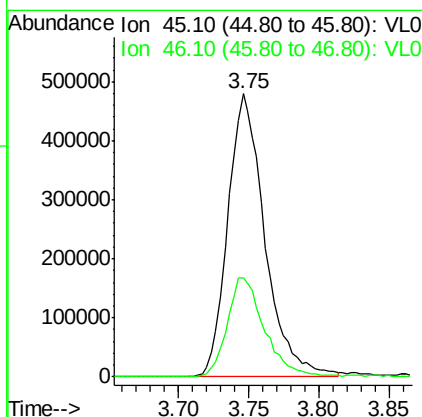
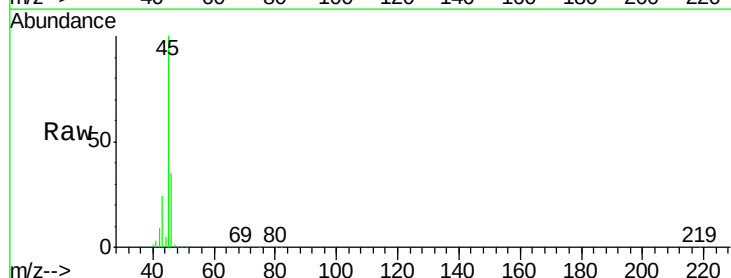
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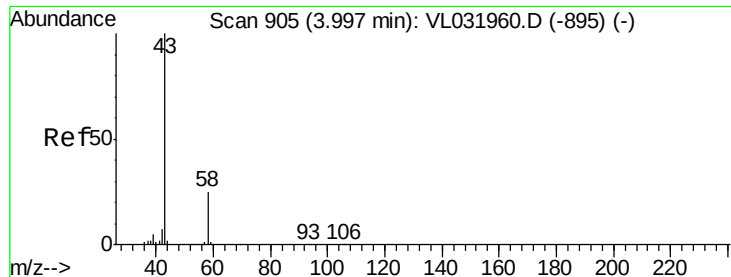
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#13
 Ethanol
 Concen: 63.91 ppbv
 RT: 3.75 min Scan# 827
 Delta R.T. 0.01 min
 Lab File: VL031970.D
 Acq: 3 May 2018 19:57

Tgt Ion: 45 Resp: 882091
 Ion Ratio Lower Upper
 45 100
 46 35.7 0.0 0.0#





#15

Acetone

Concen: 4.60 ppbv

RT: 4.00 min Scan# 906

Delta R.T. 0.00 min

Lab File: VL031970.D

Acq: 3 May 2018 19:57

Instrument :

MSVOA_L

ClientSampled :

IA2

Tot Ion: 43 Resp: 696213

Ion Ratio Lower Upper

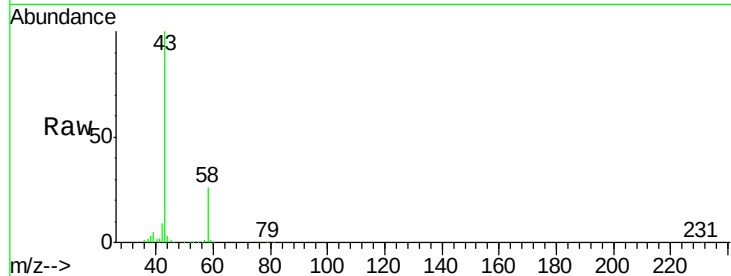
43 100

58 27.3 21.1 31.7

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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

4.00

500000

400000

300000

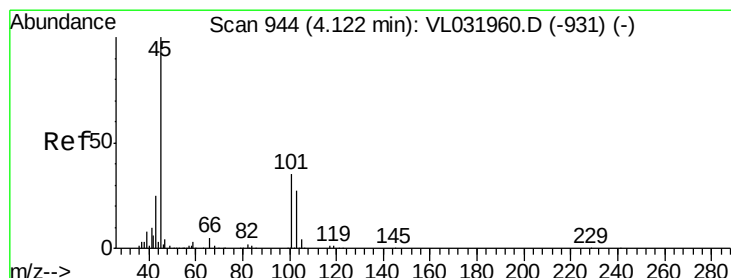
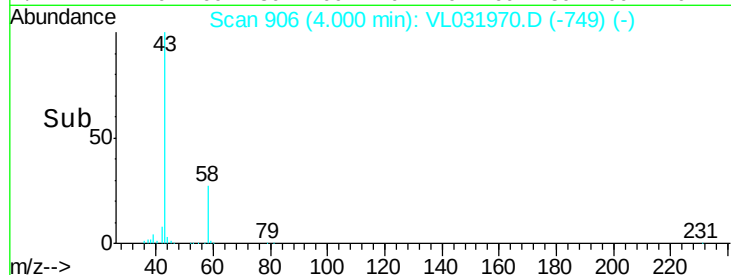
200000

100000

0

Time-->

3.95 4.00 4.05



#19

Isopropyl Alcohol

Concen: 6.17 ppbv

RT: 4.13 min Scan# 947

Delta R.T. 0.01 min

Lab File: VL031970.D

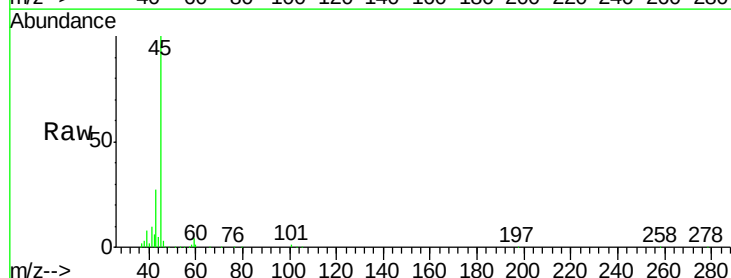
Acq: 3 May 2018 19:57

Tgt Ion: 45 Resp: 505113

Ion Ratio Lower Upper

45 100

58 2.4 1.4 2.2#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

4.13

300000

250000

200000

150000

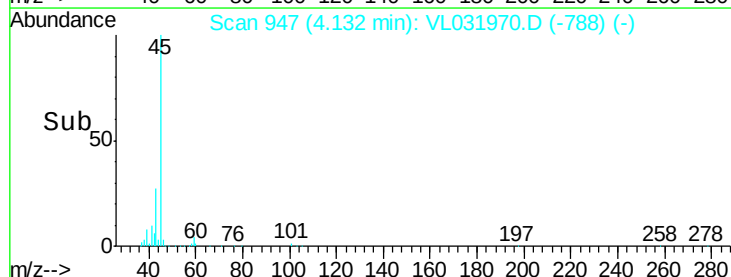
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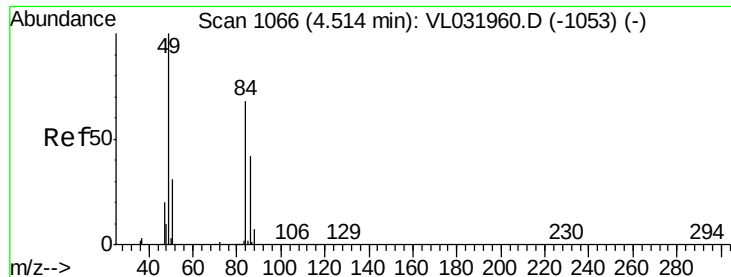
50000

0

Time-->

4.10 4.15 4.20





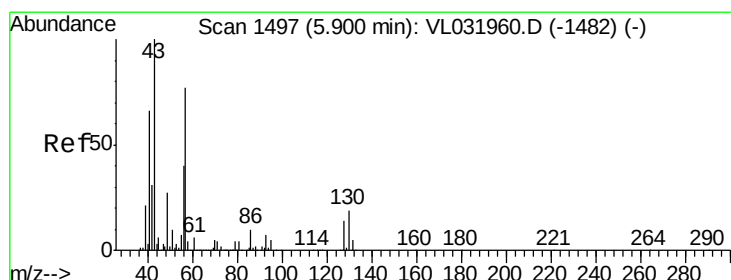
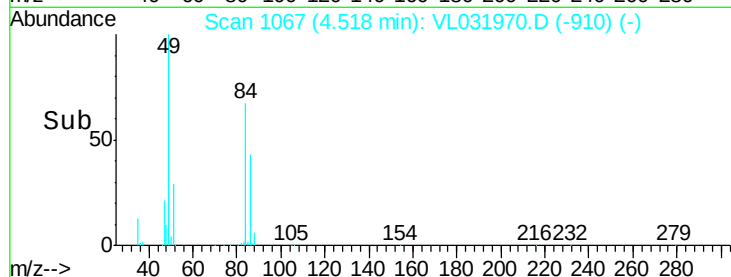
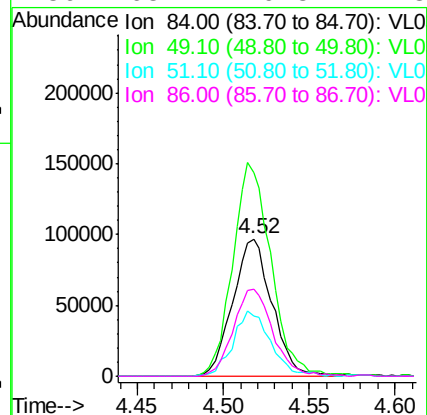
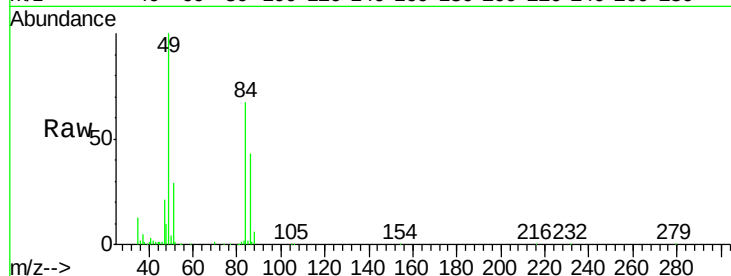
#20
Methvlene Chloride
Concen: 3.02 ppbv
RT: 4.52 min Scan# 1067
Delta R.T. 0.00 min
Lab File: VL031970.D
Acq: 3 May 2018 19:57

Instrument :
MSVOA_L
ClientSampleId :
IA2

Tot Ion:	84	Resp:	154200
Ion	Ratio	Lower	Upper
84	100		
49	148.1	118.6	178.0
51	43.5	36.6	54.8
86	63.7	49.8	74.8

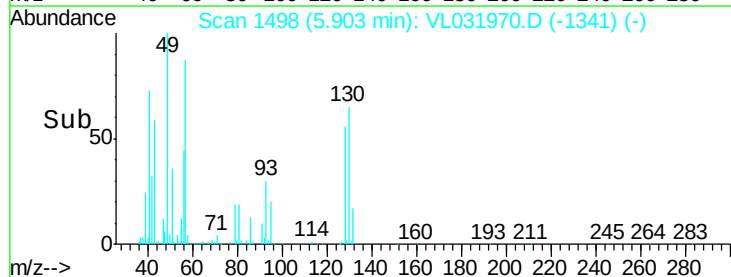
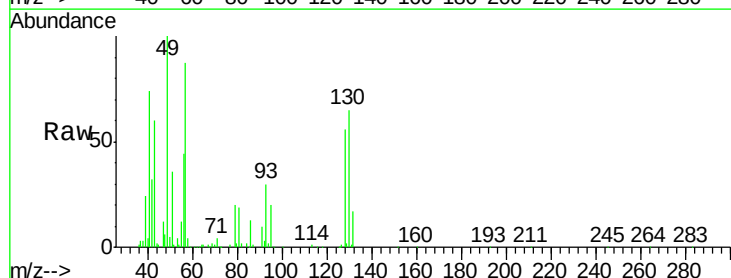
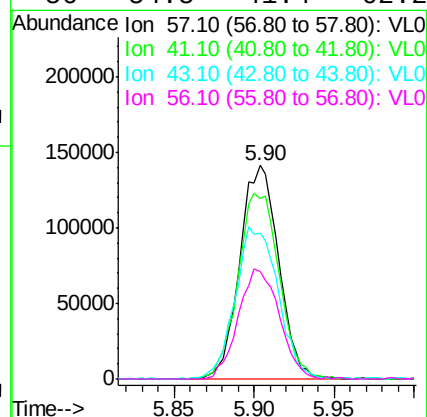
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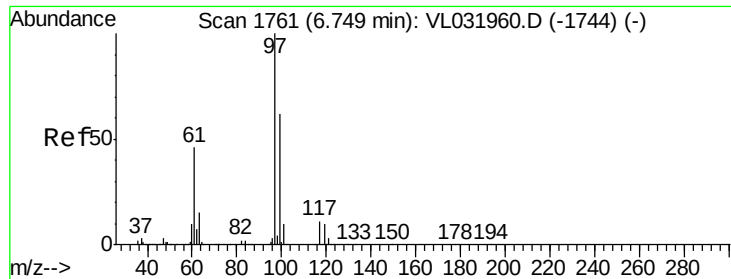
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#26
Hexane
Concen: 1.91 ppbv
RT: 5.90 min Scan# 1498
Delta R.T. 0.00 min
Lab File: VL031970.D
Acq: 3 May 2018 19:57

Tgt Ion:	57	Resp:	233595
Ion	Ratio	Lower	Upper
57	100		
41	92.7	71.8	107.6
43	78.6	171.5	257.3#
56	54.5	41.4	62.2





#32

1,1,1-Trichloroethane

Concen: 0.21 ppbv m

RT: 6.75 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VL031970.D

Acq: 3 May 2018 19:57

Instrument :

MSVOA_L

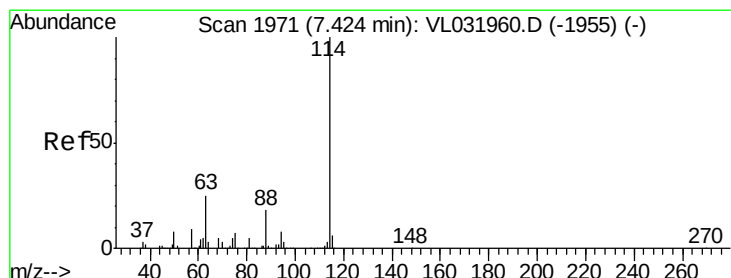
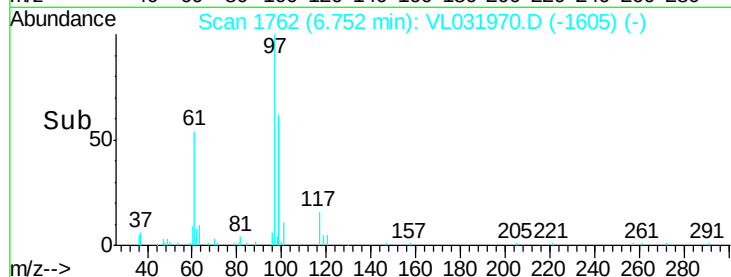
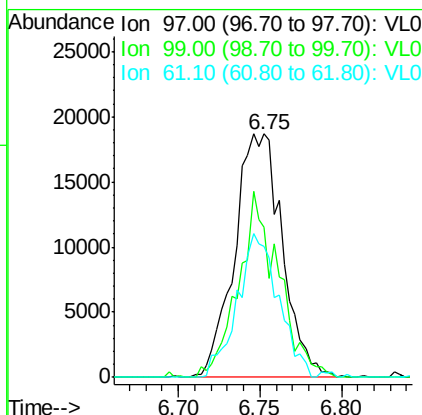
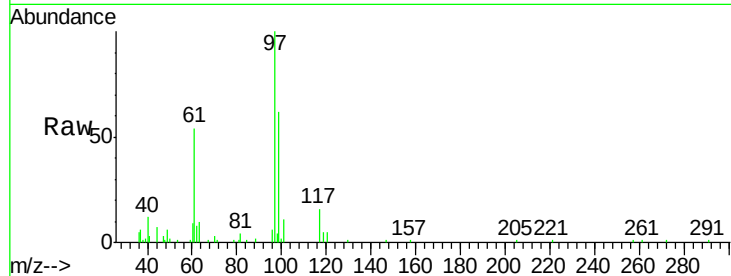
ClientSampled :

IA2

Tot Ion:	97	Resp:	37912
Ion Ratio	Lower	Upper	
97	100		
99	0.0	51.0	76.6#
61	0.0	38.1	57.1#

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#33

1,4-Difluorobenzene

Concen: 10.00 ppbv

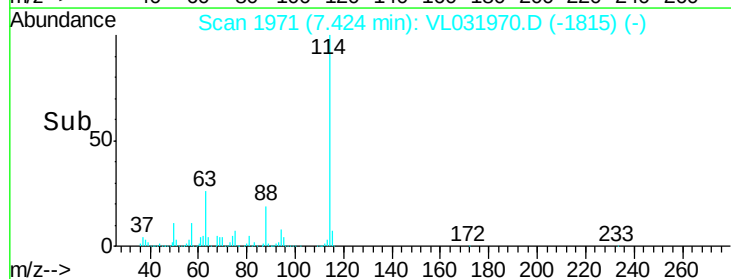
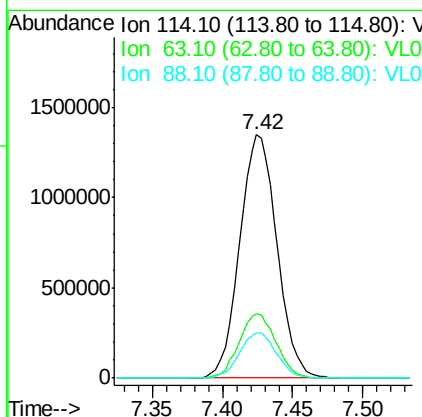
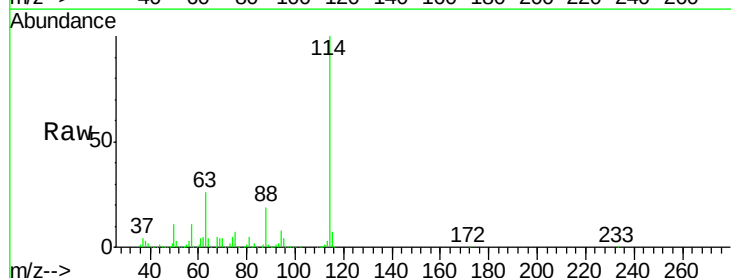
RT: 7.42 min Scan# 1971

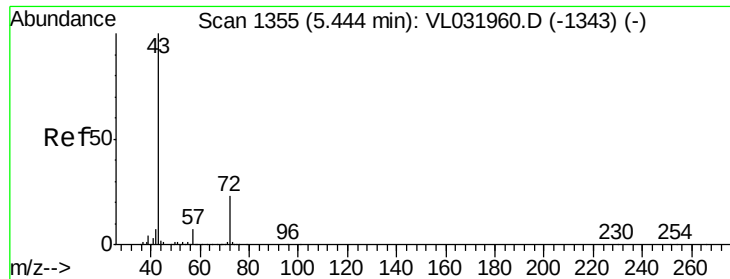
Delta R.T. 0.00 min

Lab File: VL031970.D

Acq: 3 May 2018 19:57

Tgt Ion:	114	Resp:	2493072
Ion Ratio	Lower	Upper	
114	100		
63	26.5	20.8	31.2
88	18.5	14.6	21.8





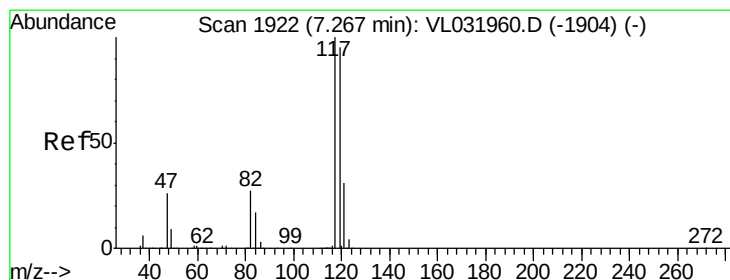
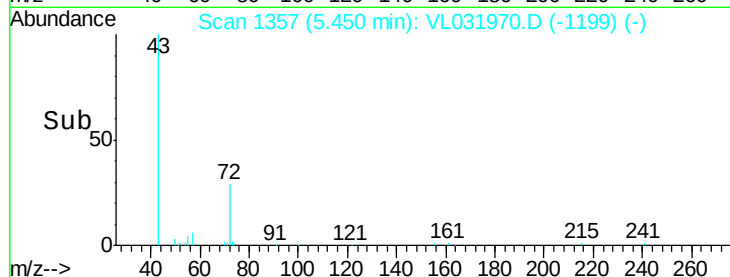
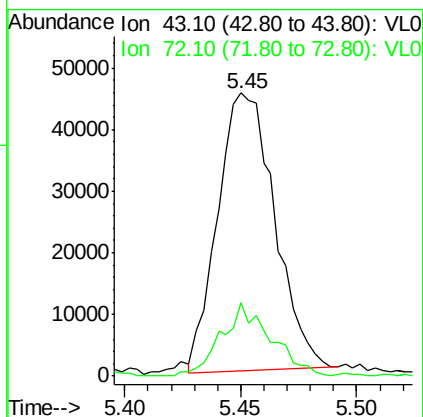
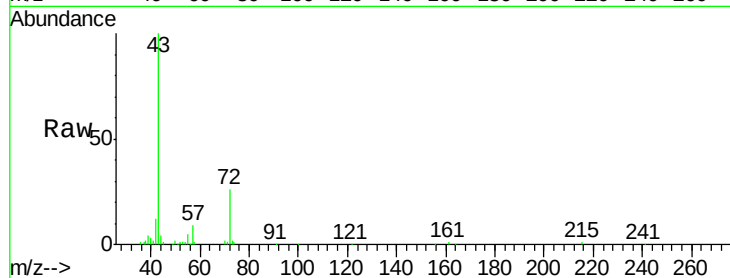
#34
2-Butanone
Concen: 0.37 ppbv
RT: 5.45 min Scan# 1357
Delta R.T. 0.01 min
Lab File: VL031970.D
Acq: 3 May 2018 19:57

Instrument :
MSVOA_L
ClientSampled :
IA2

Tot Ion	43	Resp	76995
Ion Ratio	100	Lower	Upper
72	23.4	18.3	27.5

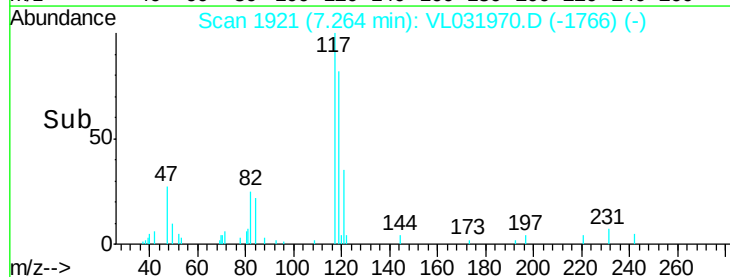
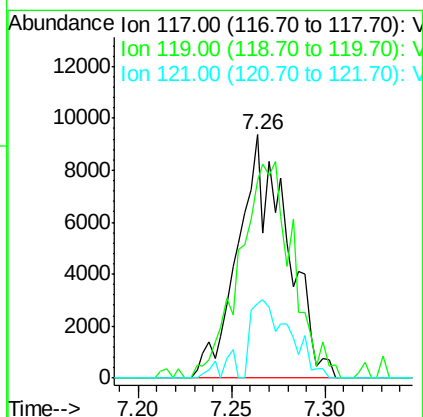
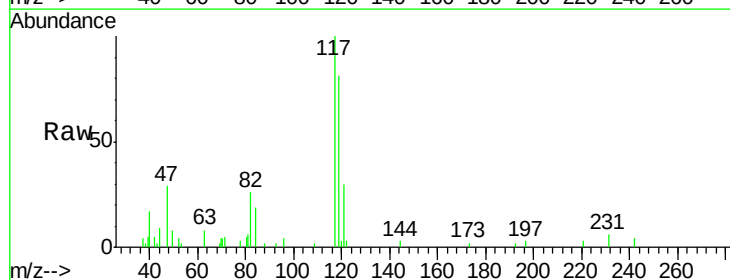
Manual Integrations
APPROVED

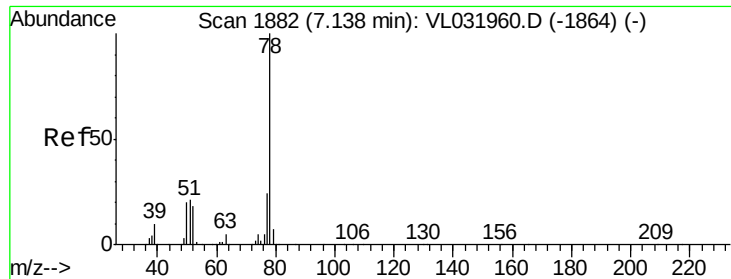
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#35
Carbon Tetrachloride
Concen: 0.09 ppbv m
RT: 7.26 min Scan# 1921
Delta R.T. -0.00 min
Lab File: VL031970.D
Acq: 3 May 2018 19:57

Tgt Ion	117	Resp	17124
Ion Ratio	100	Lower	Upper
119	81.4	76.4	114.6
121	30.4	24.4	36.6





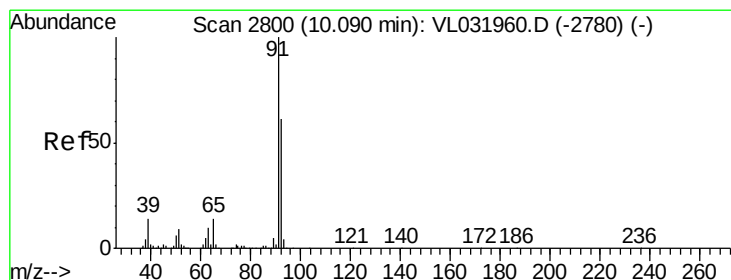
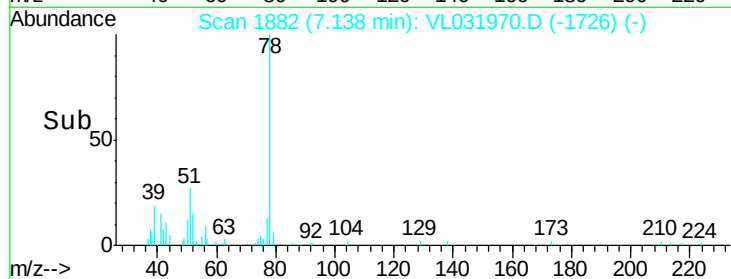
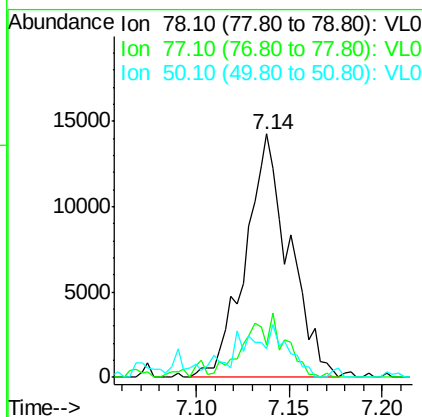
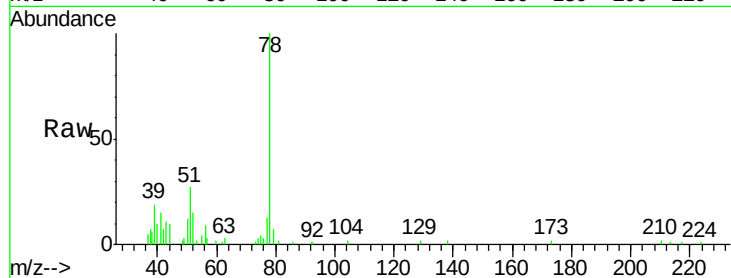
#36
Benzene
Concen: 0.10 ppbv m
RT: 7.14 min Scan# 1882
Delta R.T. 0.00 min
Lab File: VL031970.D
Acq: 3 May 2018 19:57

Instrument :
MSVOA_L
ClientSampleId :
IA2

Tot Ion	Ratio	Lower	Upper
78	100		
77	13.4	19.2	28.8#
50	11.6	16.2	24.4#

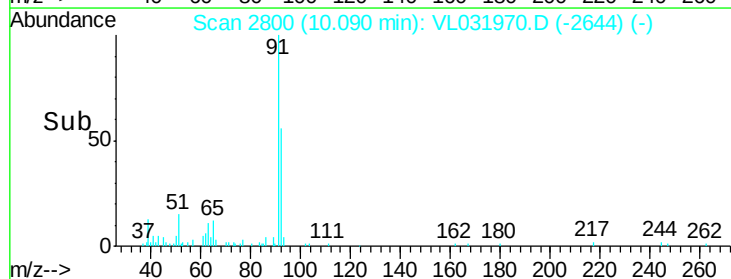
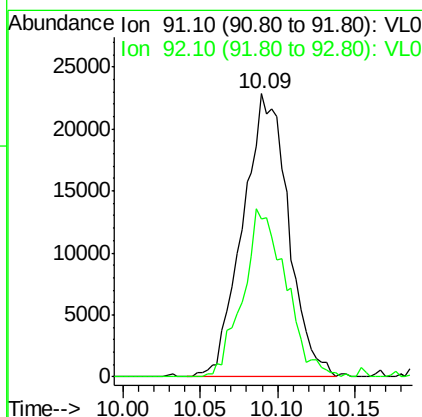
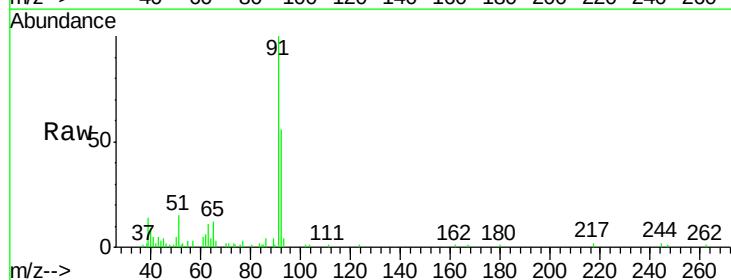
Manual Integrations
APPROVED

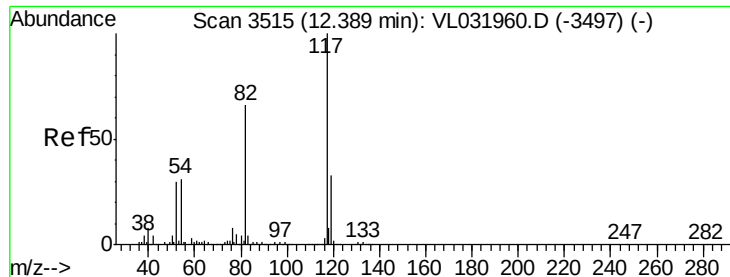
MMDadoda
5/4/2018 5:01:05 PM



#53
Toluene
Concen: 0.19 ppbv m
RT: 10.09 min Scan# 2800
Delta R.T. 0.00 min
Lab File: VL031970.D
Acq: 3 May 2018 19:57

Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.9	47.4	71.2





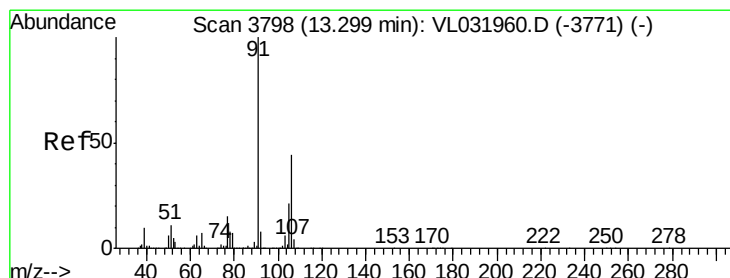
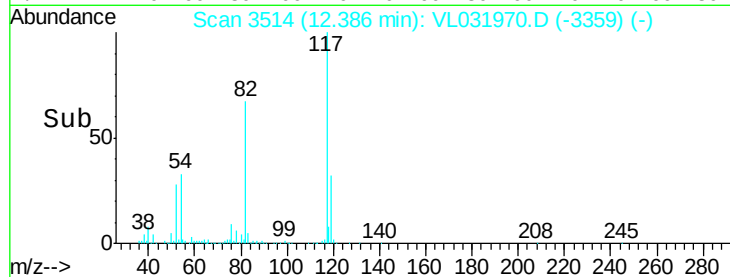
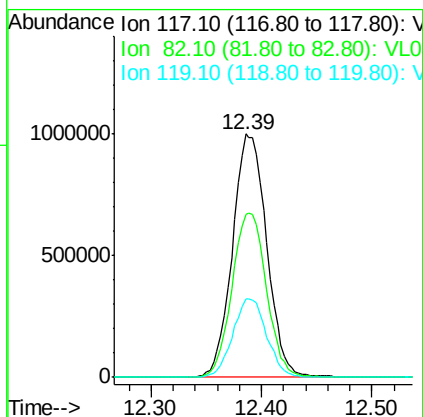
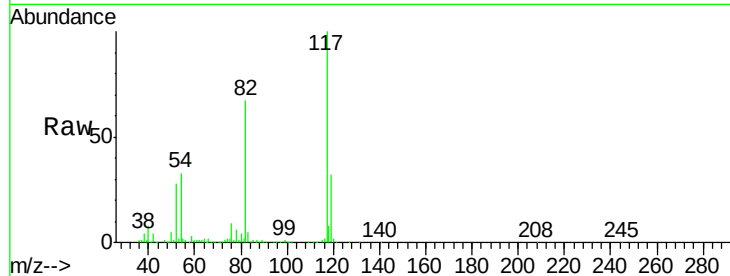
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.39 min Scan# 3514
Delta R.T. -0.00 min
Lab File: VL031970.D
Acq: 3 May 2018 19:57

Instrument :
MSVOA_L
ClientSampled :
IA2

Tot Ion	Ratio	Lower	Upper
117	100		
82	68.6	51.6	77.4
119	32.1	44.2	66.4

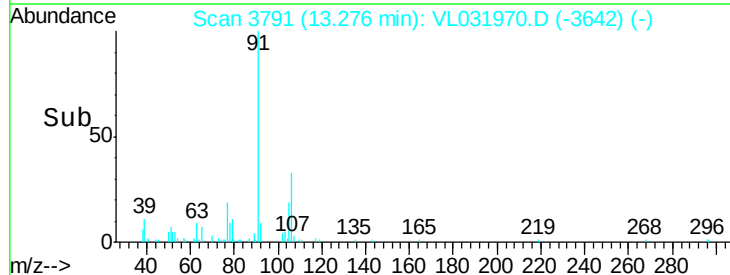
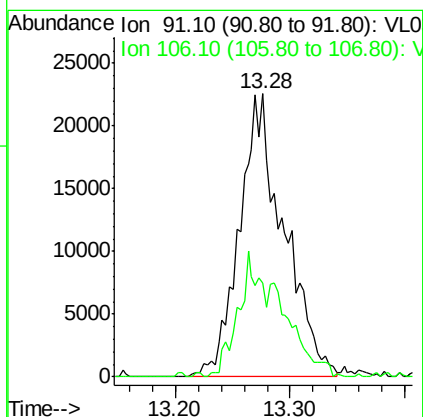
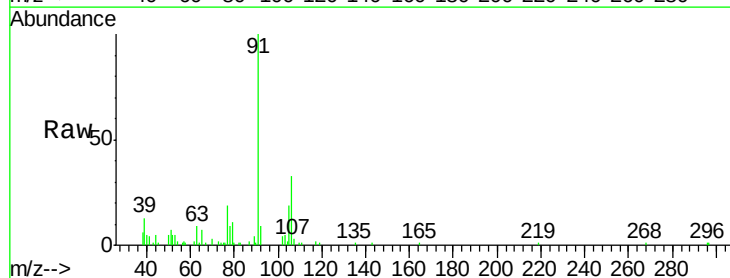
Manual Integrations
APPROVED

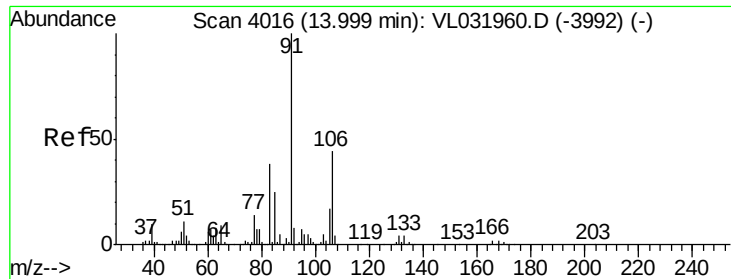
MMDadoda
5/4/2018 5:01:05 PM



#59
m/p-Xylene
Concen: 0.23 ppbv m
RT: 13.28 min Scan# 3791
Delta R.T. -0.02 min
Lab File: VL031970.D
Acq: 3 May 2018 19:57

Tgt Ion	Ratio	Lower	Upper
91	100		
106	0.0	35.9	53.9





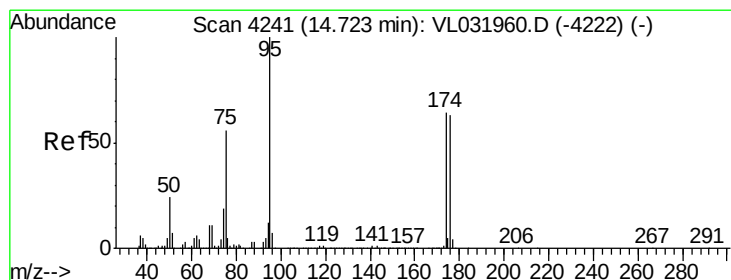
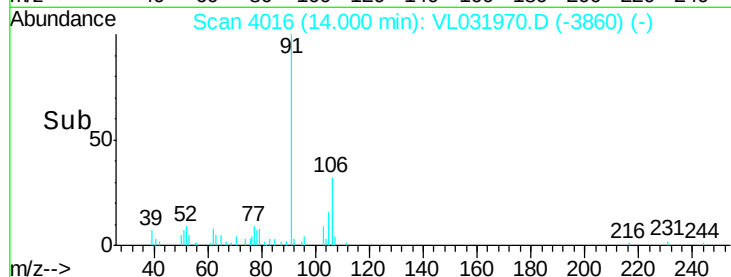
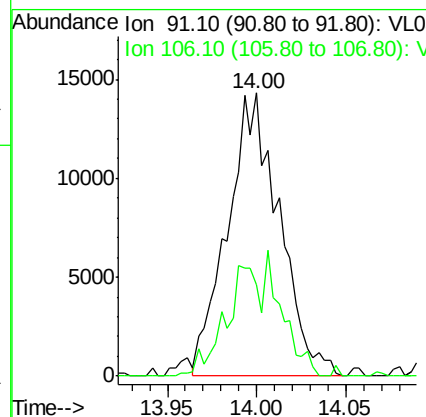
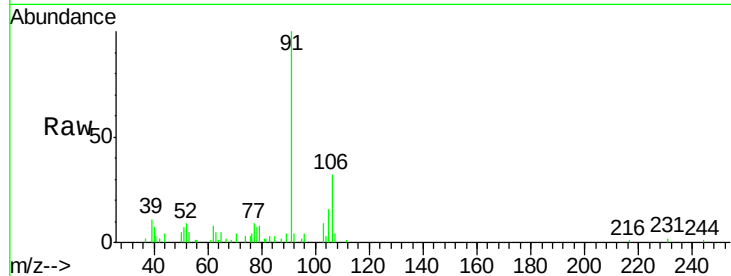
#60
o-Xylene
Concen: 0.11 ppbv
RT: 14.00 min Scan# 4016
Delta R.T. 0.00 min
Lab File: VL031970.D
Acq: 3 May 2018 19:57

Instrument :
MSVOA_L
ClientSampled :
IA2

Tot Ion: 91 Resp: 28944
Ion Ratio Lower Upper
91 100
106 41.5 21.5 64.5

Manual Integrations
APPROVED

MMDadoda
5/4/2018 5:01:05 PM



#68
1-Bromo-4-Fluorobenzene
Concen: 10.33 ppbv
RT: 14.72 min Scan# 4241
Delta R.T. 0.00 min
Lab File: VL031970.D
Acq: 3 May 2018 19:57

Tgt Ion: 95 Resp: 1720849
Ion Ratio Lower Upper
95 100
174 65.8 53.0 79.6
175 4.7 3.9 5.9

