

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL121118\
 Data File : VL032970.D
 Acq On : 12 Dec 2018 1:16
 Operator : SY/AP
 Sample : J6338-04
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1

Manual Integrations
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MMDadoda
 12/13/2018 7:58:51 AM

Quant Time: Dec 12 02:30:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120718AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Dec 0
 QLast Update : Fri Dec 07 09:35:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	1245514	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	3144323	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	2883735	10.00	ppbv	0.00

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.58	95	2235983	10.50	ppbv	0.00	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.08	85	79901	0.481	ppbv	97
3) Chlorodifluoromethane	3.02	51	27922m	0.296	ppbv	
4) Chloromethane	3.17	50	31674	0.577	ppbv	100
9) Propene	3.25	41	24846	0.666	ppbv	96
11) Trichlorofluoromethane	4.01	101	36650	0.234	ppbv	98
13) Ethanol	3.67	45	30216	2.353	ppbv	93
15) Acetone	3.92	43	109663	1.026	ppbv	97
20) Methylene Chloride	4.41	84	33996	0.651	ppbv #	95
26) Hexane	5.78	57	37755	0.324	ppbv #	47
35) Carbon Tetrachloride	7.14	117	15905	0.064	ppbv	97
36) Benzene	7.01	78	29748m	0.129	ppbv	
53) Toluene	9.95	91	41269	0.168	ppbv	98

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

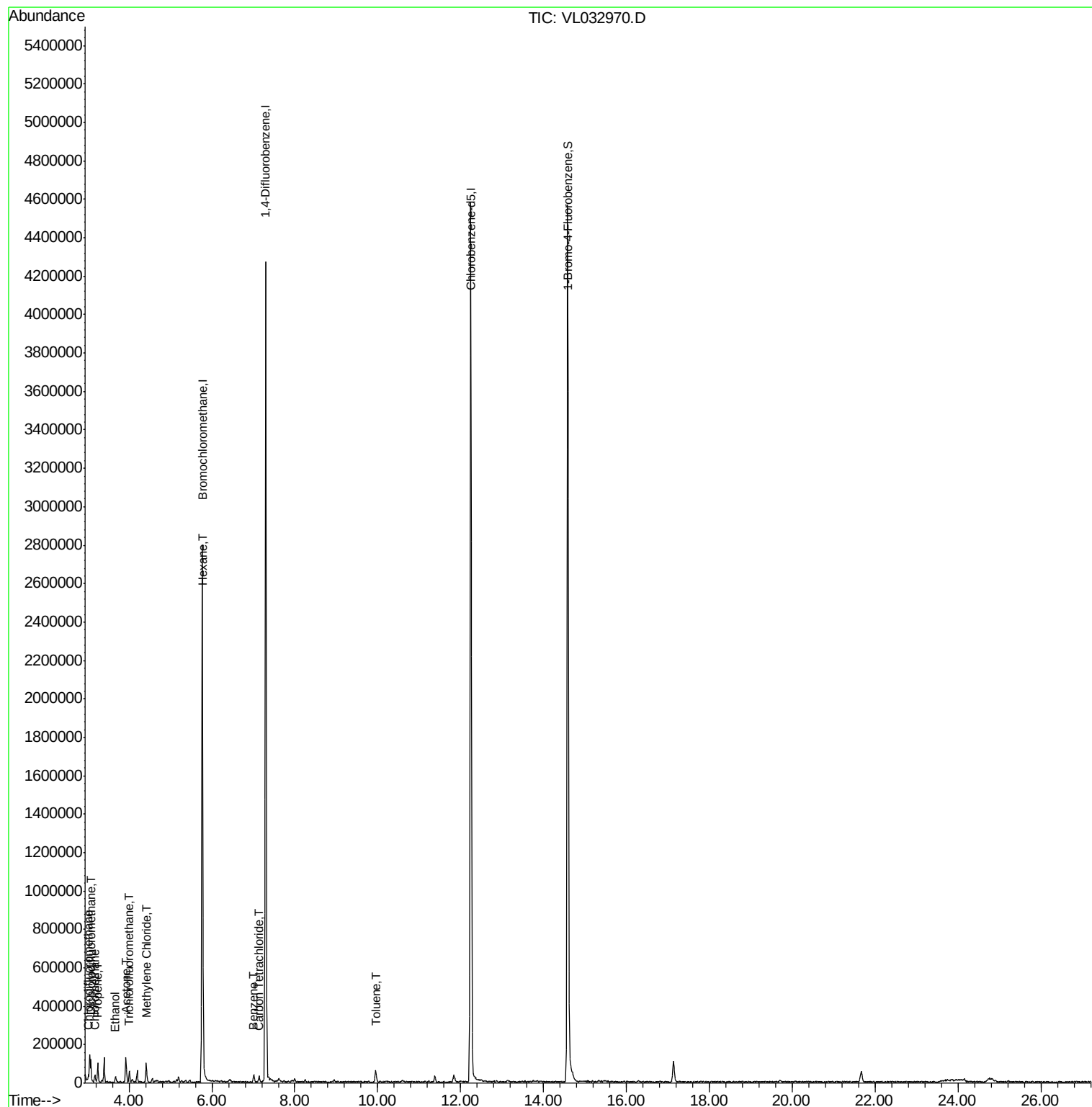
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL121118\
Data File : VL032970.D
Acq On : 12 Dec 2018 1:16
Operator : SY/AP
Sample : J6338-04
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

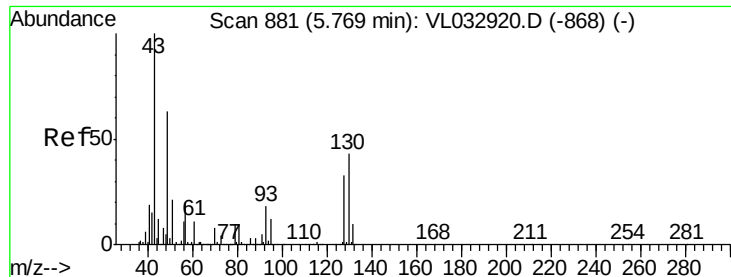
Instrument :
MSVOA_L
ClientSampleId :
OA1

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Quant Time: Dec 12 02:30:09 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL120718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Dec
QLast Update : Fri Dec 07 09:35:17 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 880

Delta R.T. -0.00 min

Lab File: VL032970.D

Acq: 12 Dec 2018 1:16

Instrument :

MSVOA_L

ClientSampled :

QA1

Tot Ion: 49 Resp: 1245514

Ion Ratio Lower Upper

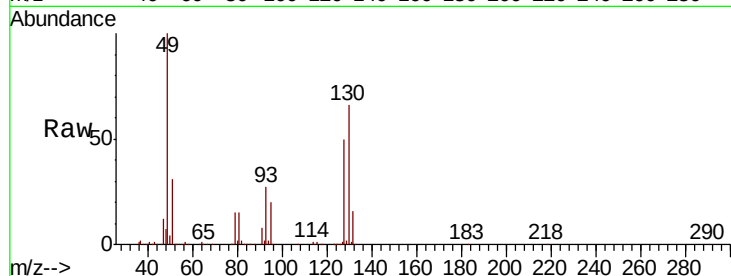
49 100

128 53.2 26.3 78.8

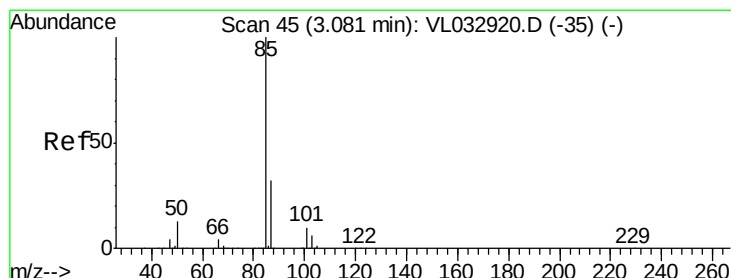
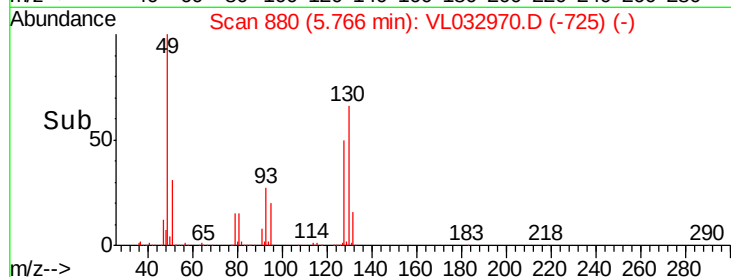
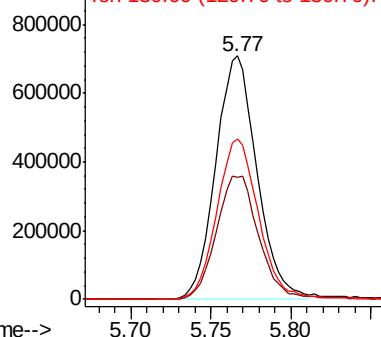
130 67.8 33.9 101.7

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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



#2

Dichlorodifluoromethane

Concen: 0.481 ppbv

RT: 3.08 min Scan# 45

Delta R.T. 0.00 min

Lab File: VL032970.D

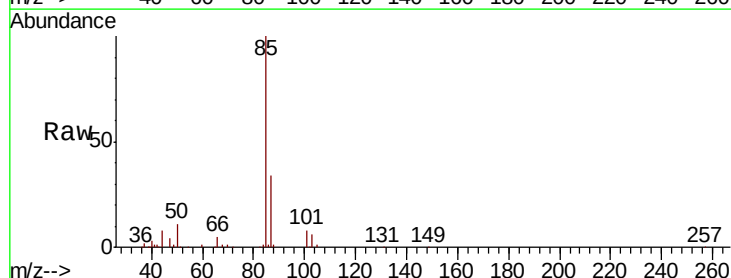
Acq: 12 Dec 2018 1:16

Tgt Ion: 85 Resp: 79901

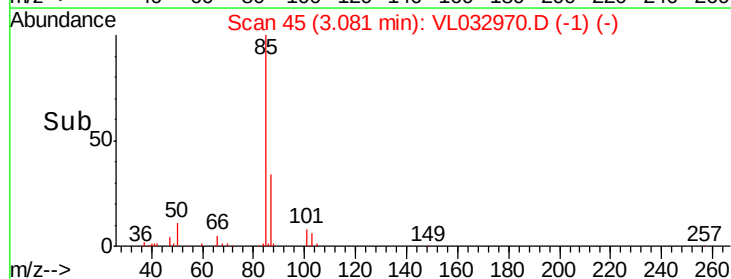
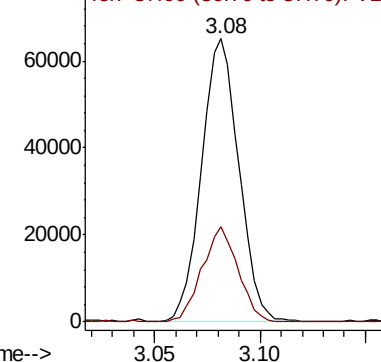
Ion Ratio Lower Upper

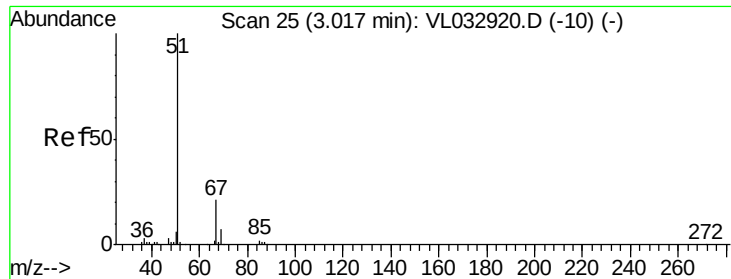
85 100

87 33.5 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VL0
Ion 87.00 (86.70 to 87.70): VL0





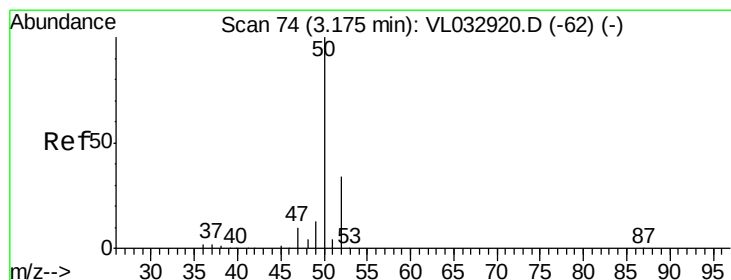
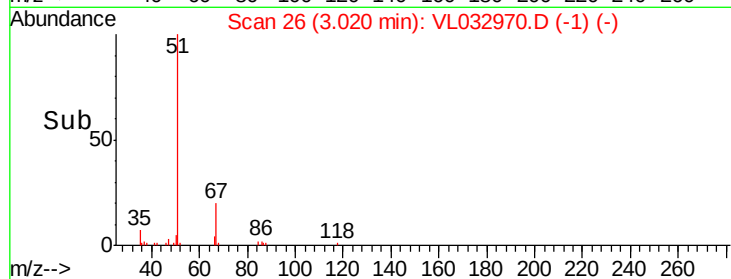
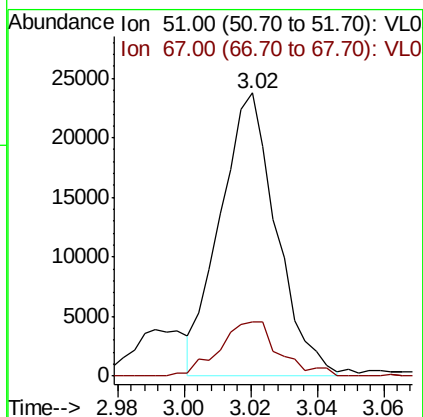
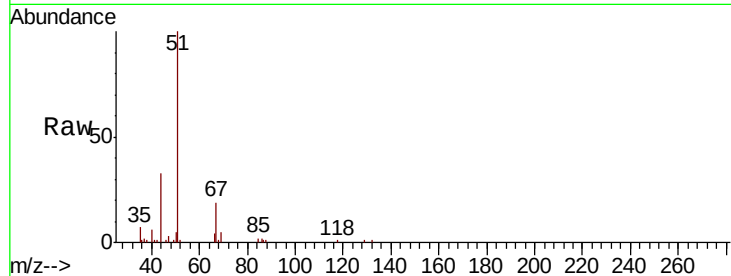
#3
Chlorodifluoromethane
Concen: 0.296 ppbv
RT: 3.02 min Scan# 26
Delta R.T. 0.00 min
Lab File: VL032970.D
Acq: 12 Dec 2018 1:16

Instrument :
MSVOA_L
ClientSampled :
OA1

Tot Ion	Ratio	Lower	Upper
51	100		
67	20.5	16.8	25.2

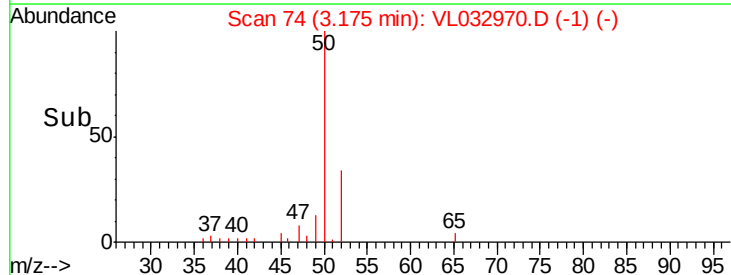
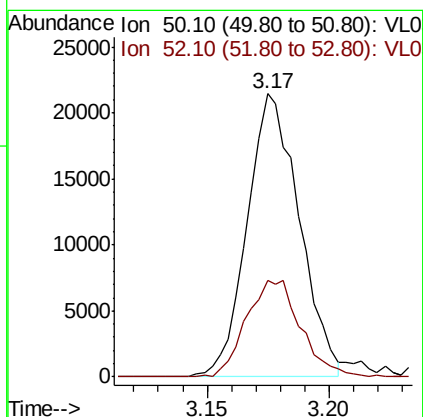
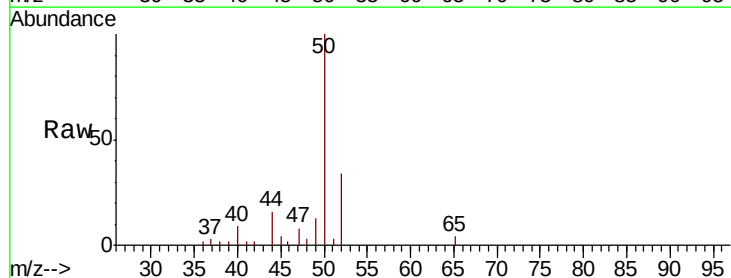
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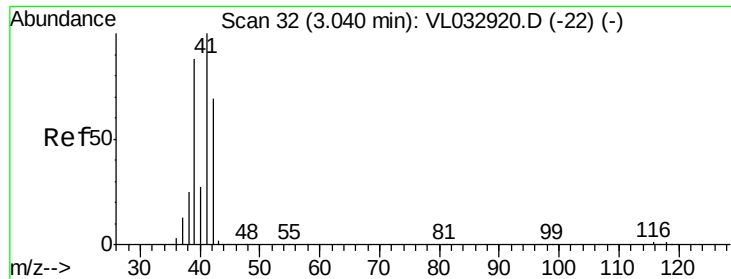
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#4
Chloromethane
Concen: 0.577 ppbv
RT: 3.17 min Scan# 74
Delta R.T. 0.00 min
Lab File: VL032970.D
Acq: 12 Dec 2018 1:16

Tgt Ion	Ratio	Lower	Upper
50	100		
52	34.2	27.3	40.9





#9

Propene

Concen: 0.666 ppbv

RT: 3.25 min Scan# 96

Delta R.T. 0.21 min

Lab File: VL032970.D

Acq: 12 Dec 2018 1:16

Instrument :

MSVOA_L

ClientSampleId :

QA1

Tot Ion: 41 Resp: 24846

Ion Ratio Lower Upper

41 100

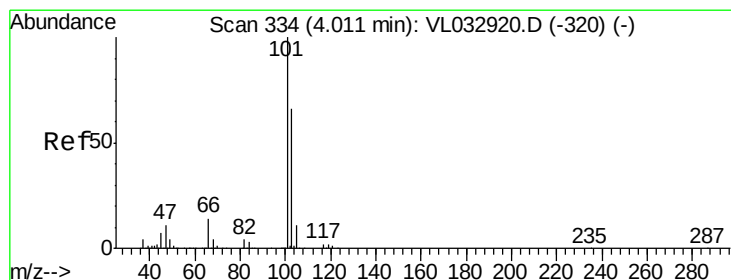
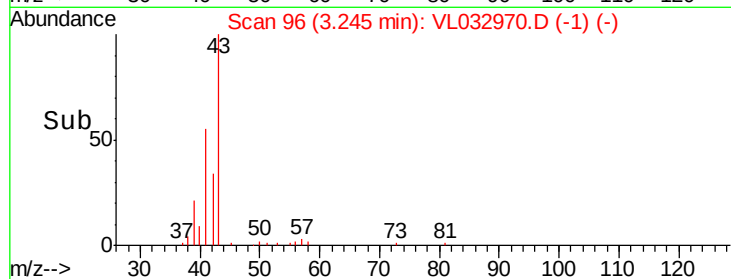
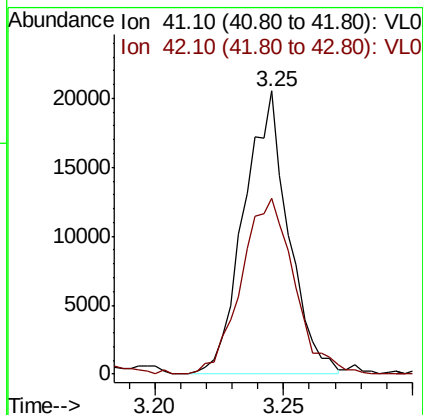
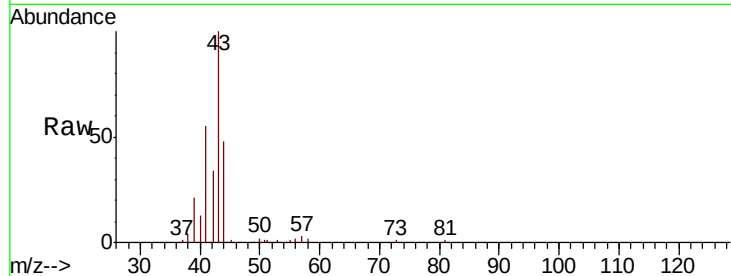
42 73.4 56.2 84.2

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#11

Trichlorofluoromethane

Concen: 0.234 ppbv

RT: 4.01 min Scan# 333

Delta R.T. -0.00 min

Lab File: VL032970.D

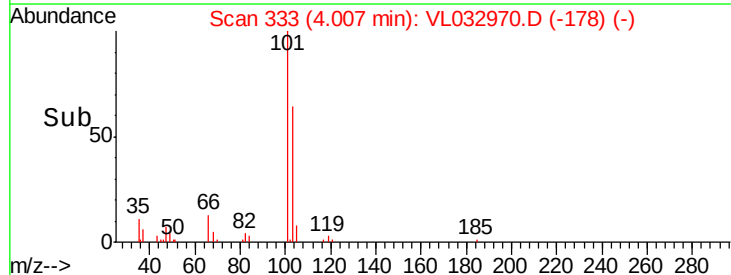
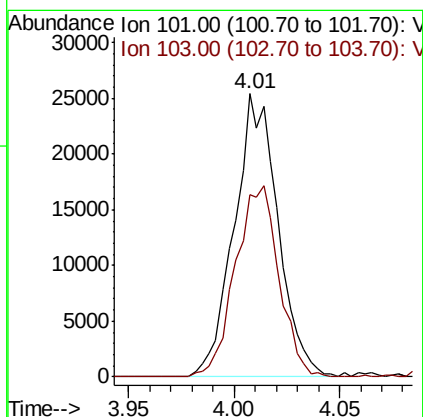
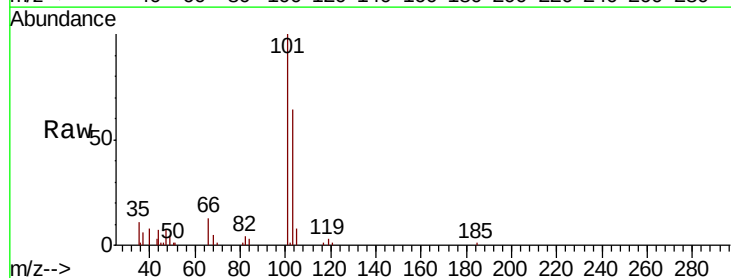
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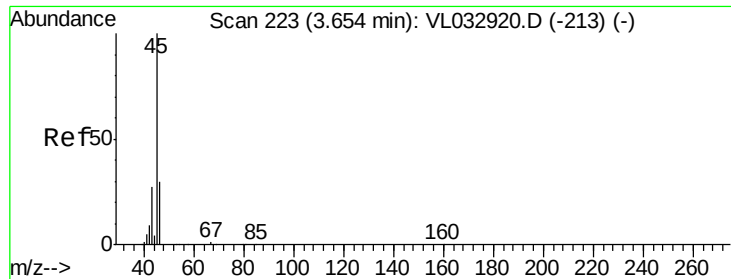
Tgt Ion: 101 Resp: 36650

Ion Ratio Lower Upper

101 100

103 64.3 52.7 79.1





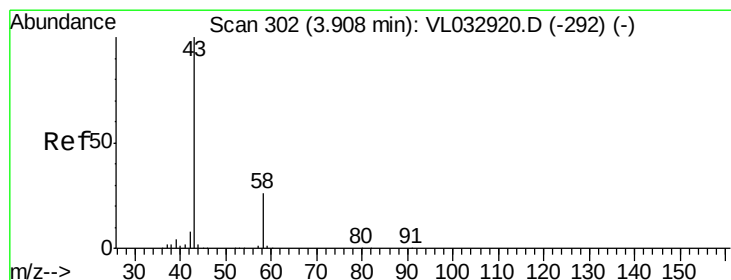
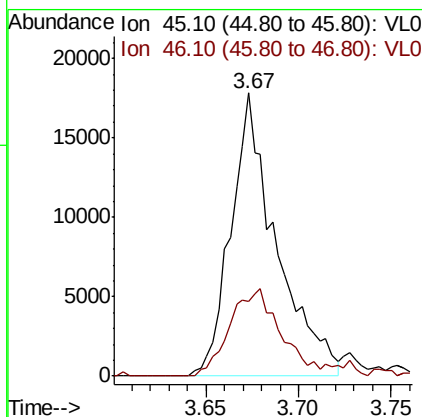
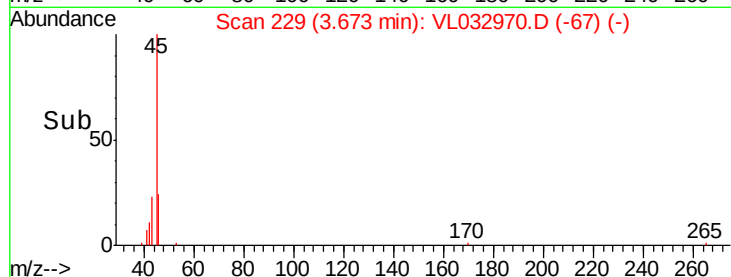
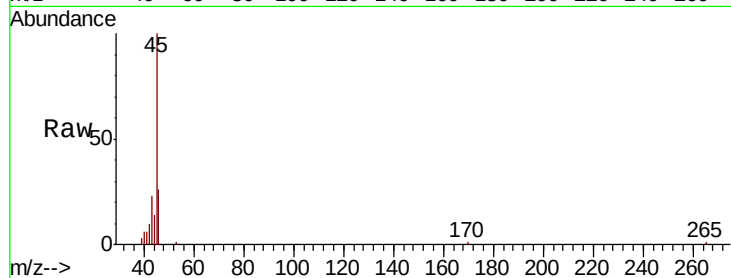
#13
Ethanol
Concen: 2.353 ppbv
RT: 3.67 min Scan# 229
Delta R.T. 0.02 min
Lab File: VL032970.D
Acq: 12 Dec 2018 1:16

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tot Ion	45	46	Ratio	Lower	Upper
30216	100	38.9		13.8	55.4

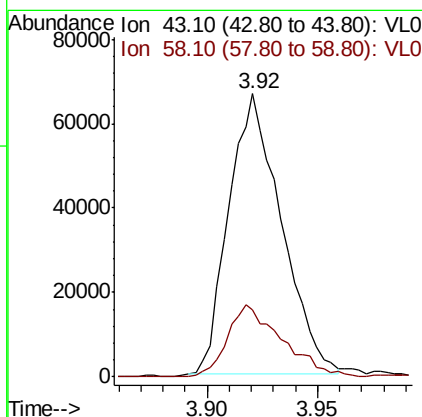
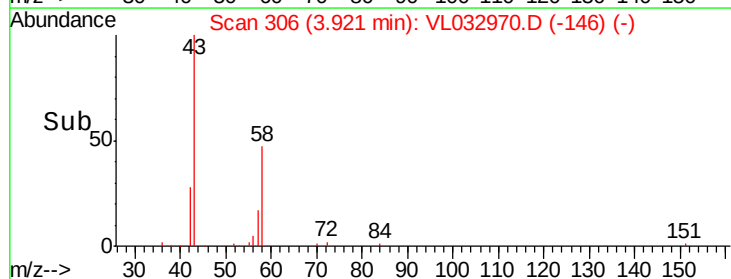
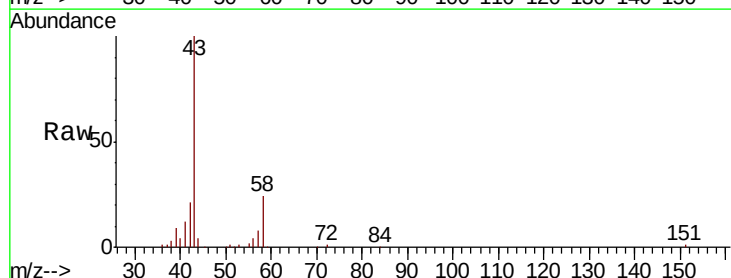
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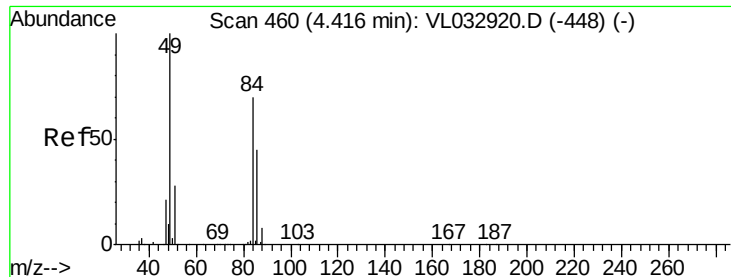
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#15
Acetone
Concen: 1.026 ppbv
RT: 3.92 min Scan# 306
Delta R.T. 0.01 min
Lab File: VL032970.D
Acq: 12 Dec 2018 1:16

Tgt Ion	43	58	Ratio	Lower	Upper
109663	100	27.2		20.6	30.8





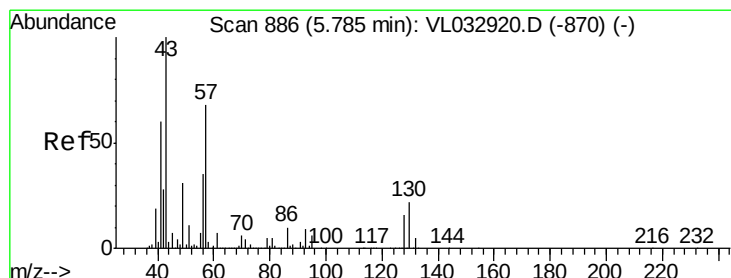
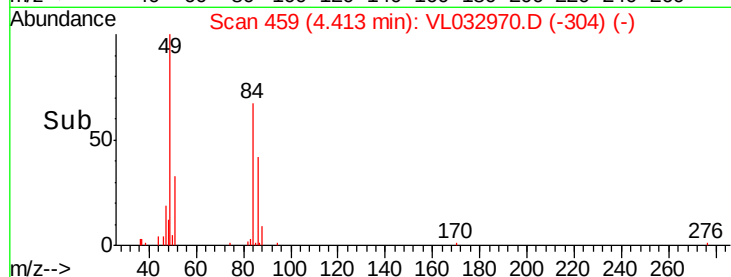
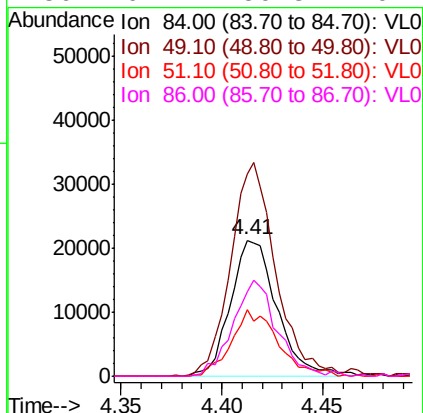
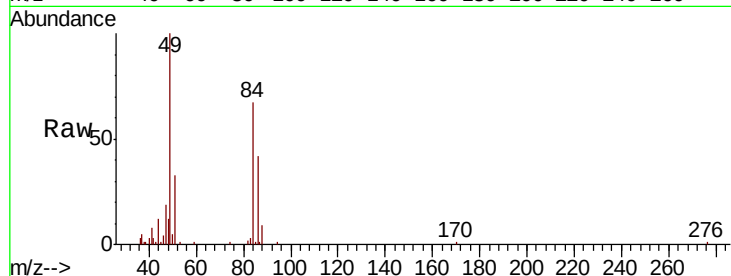
#20
Methvlene Chloride
Concen: 0.651 ppbv
RT: 4.41 min Scan# 459
Delta R.T. -0.00 min
Lab File: VL032970.D
Acq: 12 Dec 2018 1:16

Instrument :
MSVOA_L
ClientSampled :
QA1

Tot Ion:	84	Resp:	33996
Ion	Ratio	Lower	Upper
84	100		
49	147.5	113.8	170.8
51	48.8	31.8	47.8#
86	62.1	50.8	76.2

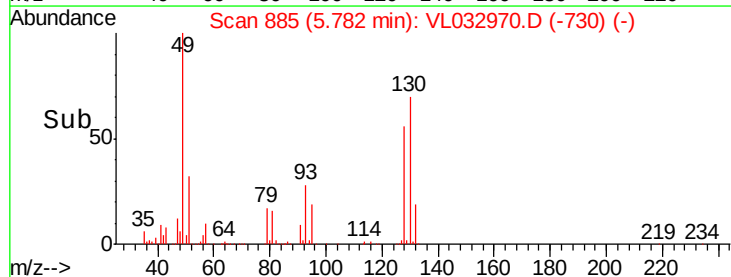
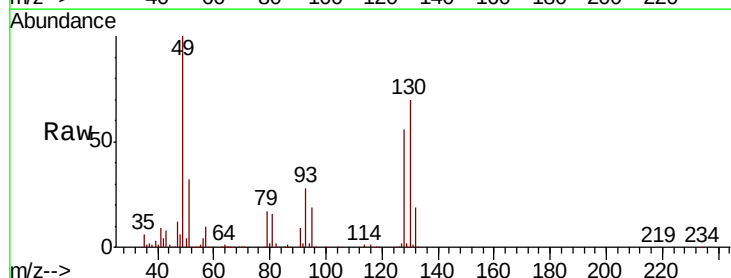
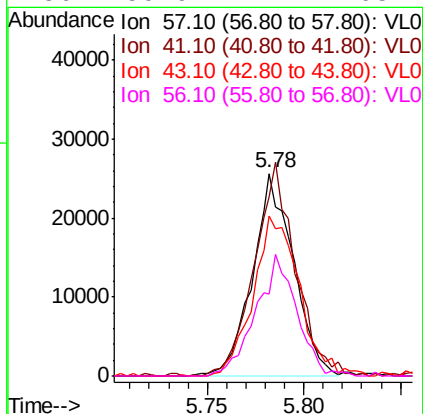
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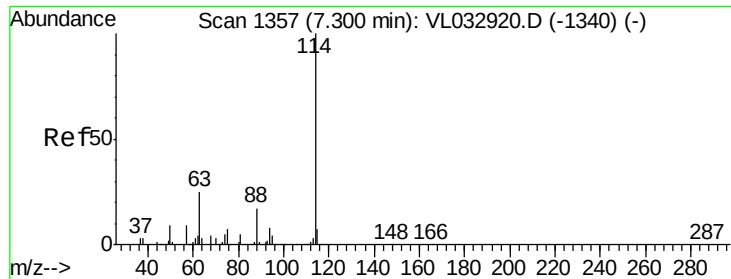
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#26
Hexane
Concen: 0.324 ppbv
RT: 5.78 min Scan# 885
Delta R.T. -0.00 min
Lab File: VL032970.D
Acq: 12 Dec 2018 1:16

Tgt Ion:	57	Resp:	37755
Ion	Ratio	Lower	Upper
57	100		
41	105.8	72.2	108.2
43	88.9	171.9	257.9#
56	59.9	42.2	63.2





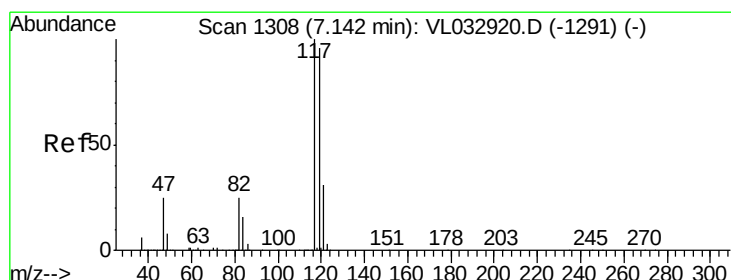
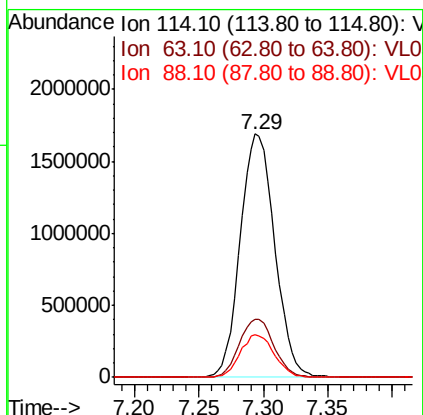
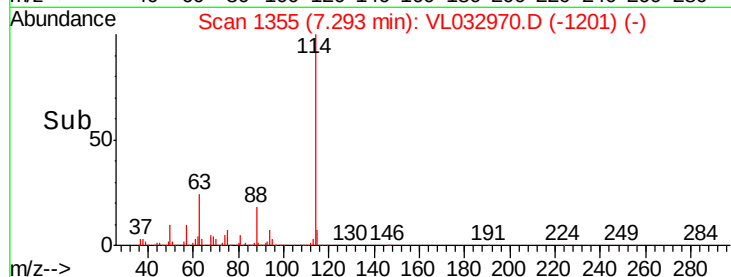
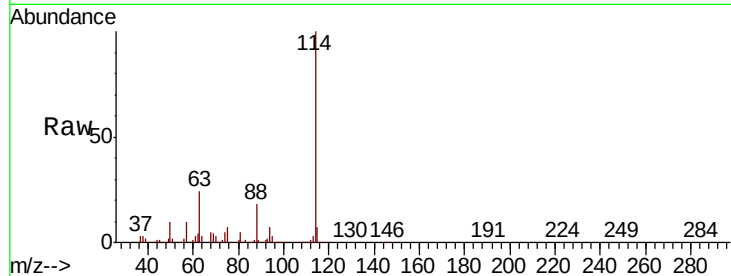
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1355
 Delta R.T. -0.01 min
 Lab File: VL032970.D
 Acq: 12 Dec 2018 1:16

Instrument :
 MSVOA_L
 ClientSampled :
 OA1

Tot Ion:114 Resp: 3144323
 Ion Ratio Lower Upper
 114 100
 63 24.1 20.1 30.1
 88 17.6 14.2 21.4

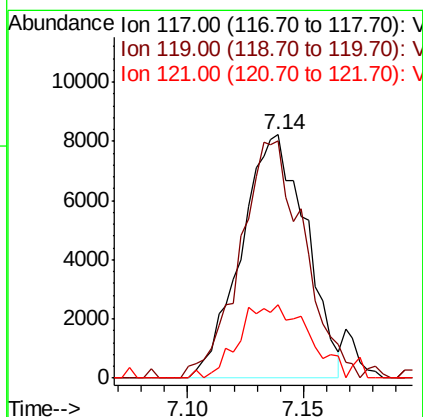
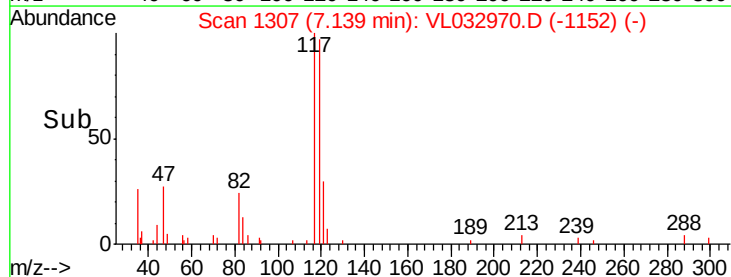
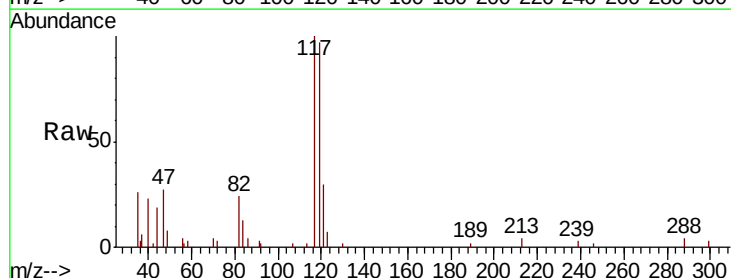
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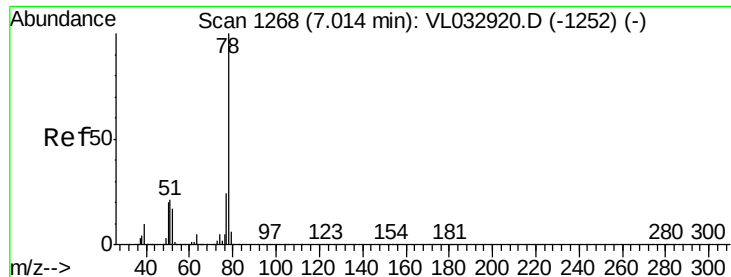
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#35
 Carbon Tetrachloride
 Concen: 0.064 ppbv
 RT: 7.14 min Scan# 1307
 Delta R.T. -0.00 min
 Lab File: VL032970.D
 Acq: 12 Dec 2018 1:16

Tgt Ion:117 Resp: 15905
 Ion Ratio Lower Upper
 117 100
 119 92.6 76.5 114.7
 121 30.0 24.5 36.7





#36

Benzene

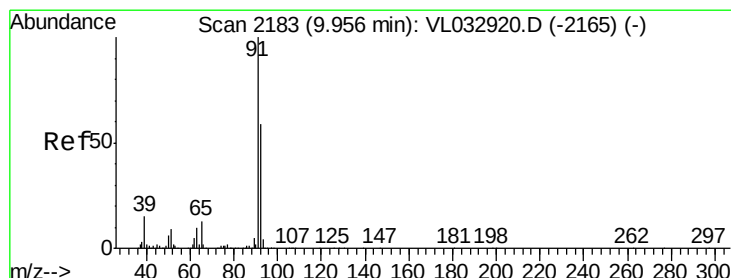
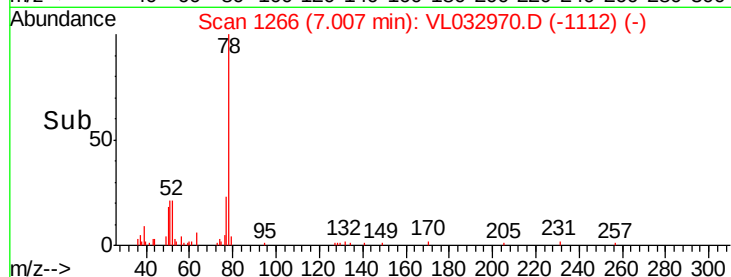
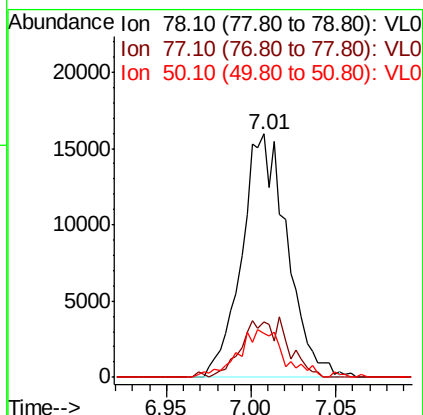
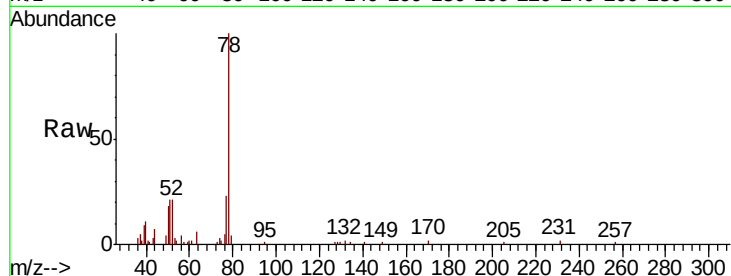
Concen: 0.129 ppbv m
RT: 7.01 min Scan# 1266
Delta R.T. -0.01 min
Lab File: VL032970.D
Acq: 12 Dec 2018 1:16

Instrument :
MSVOA_L
ClientSampleId :
QA1

Tot Ion	Ratio	Lower	Upper
78	100		
77	22.7	18.9	28.3
50	18.3	16.1	24.1

Manual Integrations
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12/13/2018 7:58:51 AM

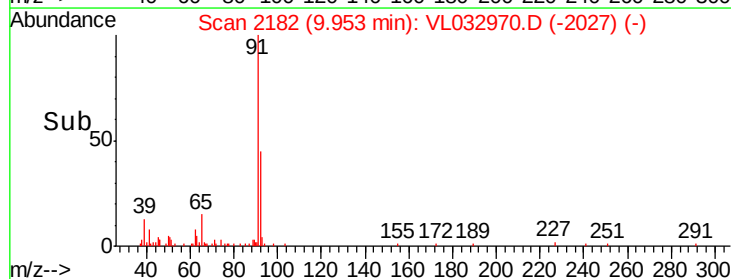
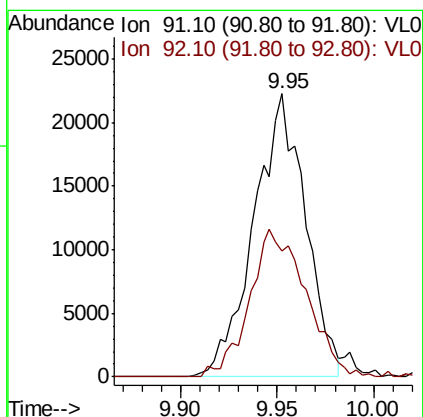
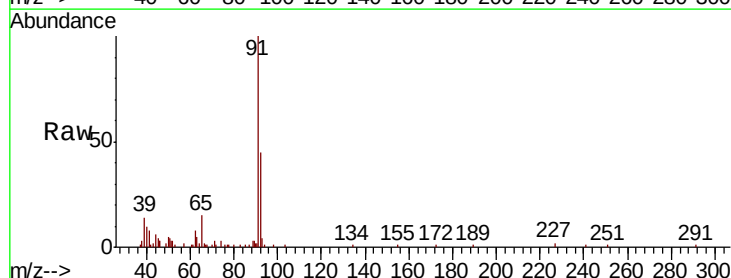


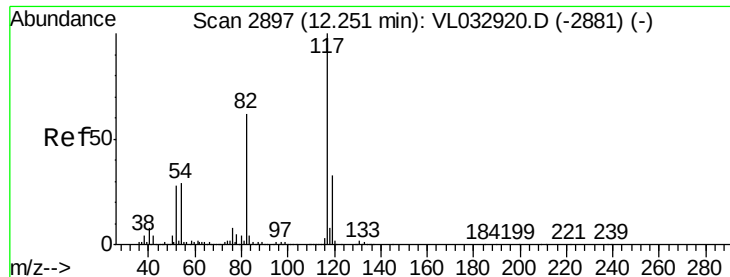
#53

Toluene

Concen: 0.168 ppbv
RT: 9.95 min Scan# 2182
Delta R.T. -0.00 min
Lab File: VL032970.D
Acq: 12 Dec 2018 1:16

Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.7	47.4	71.0





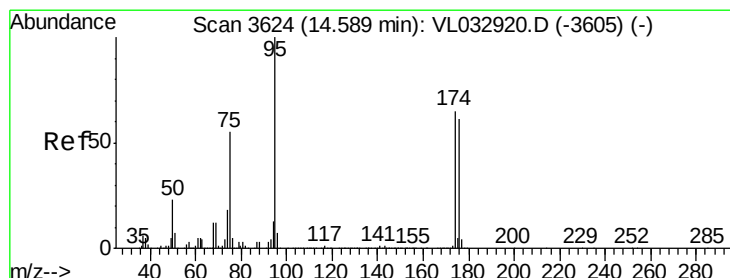
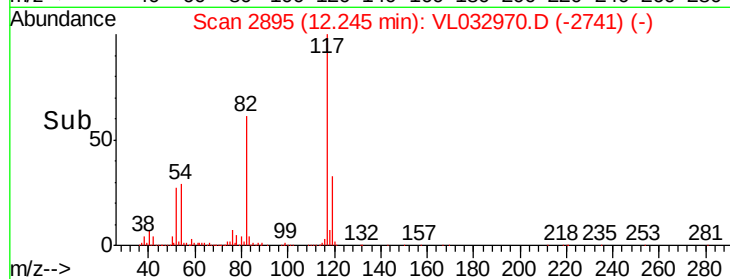
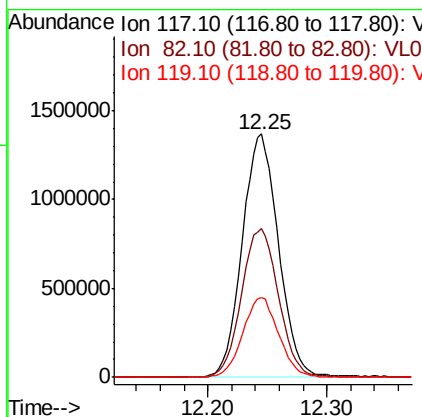
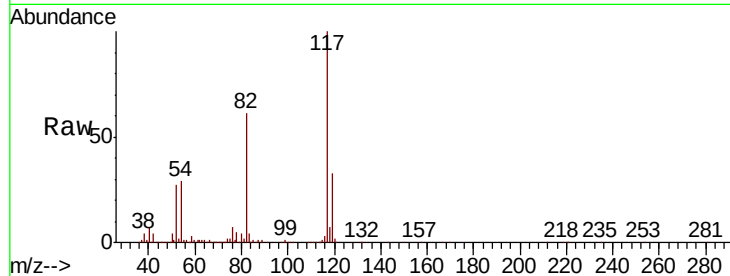
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2895
Delta R.T. -0.01 min
Lab File: VL032970.D
Acq: 12 Dec 2018 1:16

Instrument :
MSVOA_L
ClientSampled :
QA1

Tot Ion	Ratio	Lower	Upper
117	100		
82	63.0	47.8	71.8
119	33.0	43.1	64.7#

Manual Integrations
APPROVED

MMDadoda
12/13/2018 7:58:51 AM



#68
1-Bromo-4-Fluorobenzene
Concen: 10.495 ppbv
RT: 14.58 min Scan# 3621
Delta R.T. -0.01 min
Lab File: VL032970.D
Acq: 12 Dec 2018 1:16

Tgt Ion	Ratio	Lower	Upper
95	100		
174	66.0	51.4	77.0
175	4.9	3.8	5.6

