

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL123019\
 Data File : VL034526.D
 Acq On : 31 Dec 2019 00:25
 Operator : SY/AP
 Sample : K6388-01DL2 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 INFLUENTDL2

Manual Integrations
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Quant Time: Dec 31 05:58:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL123019AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 31 05:58:32 2019
 QLast Update : Mon Dec 30 14:58:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	945566	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	1897779	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.13	117	1886547	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.47	95	1566115	9.95	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.02	85	3080	0.021	ppbv	# 68
13) Ethanol	3.60	45	1868m	0.155	ppbv	
15) Acetone	3.85	43	32299	0.234	ppbv	93
24) 1,1-Dichloroethane	5.01	63	40697	0.318	ppbv	98
32) 1,1,1-Trichloroethane	6.52	97	311433	1.909	ppbv	98

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

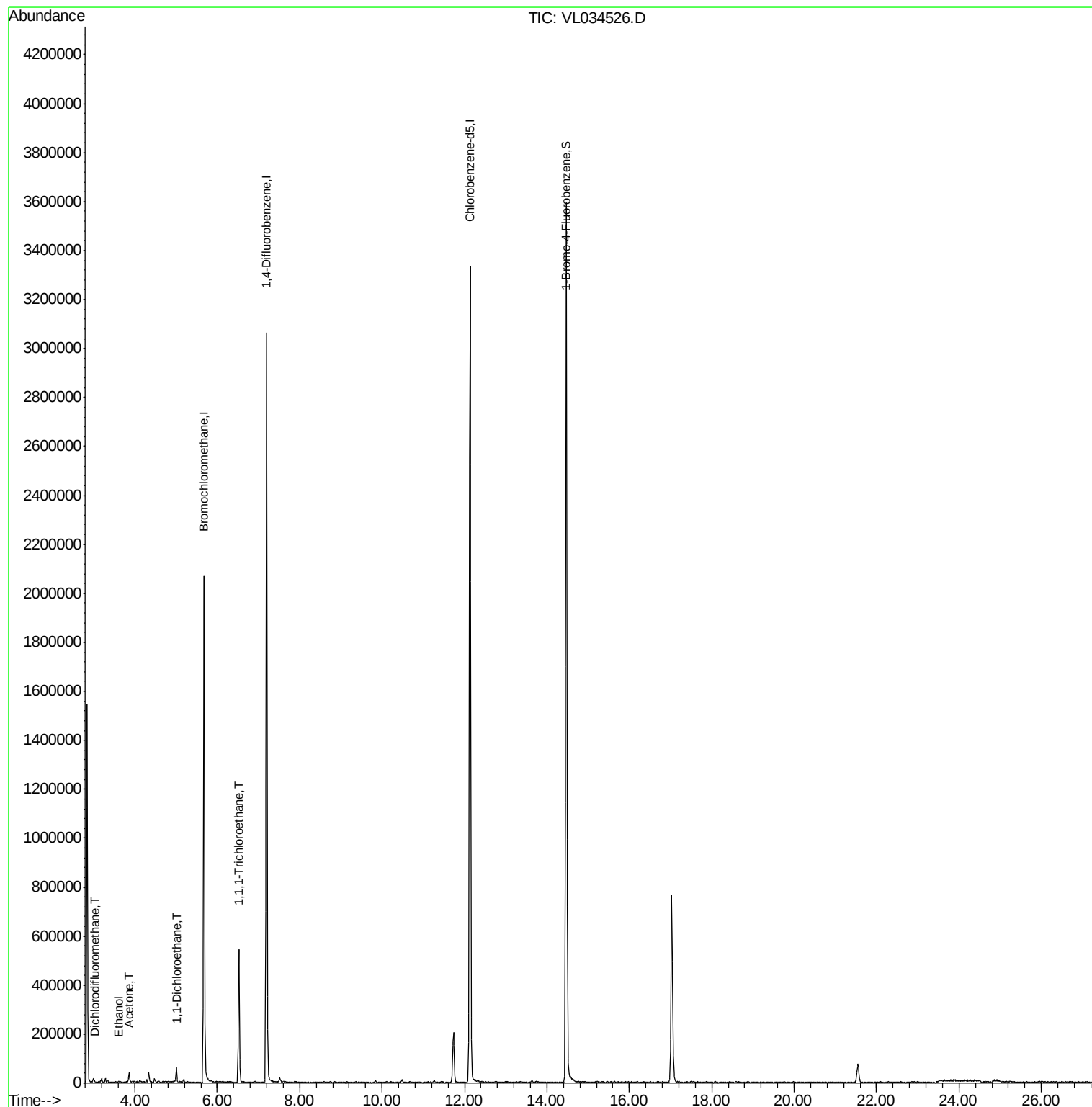
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL123019\
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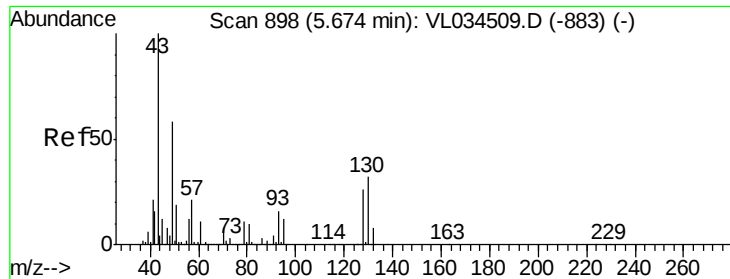
Instrument :
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec
QLast Update : Mon Dec 30 14:58:50 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 897

Delta R.T. -0.00 min

Lab File: VL034526.D

Acq: 31 Dec 2019 00:25

Instrument :

MSVOA_L

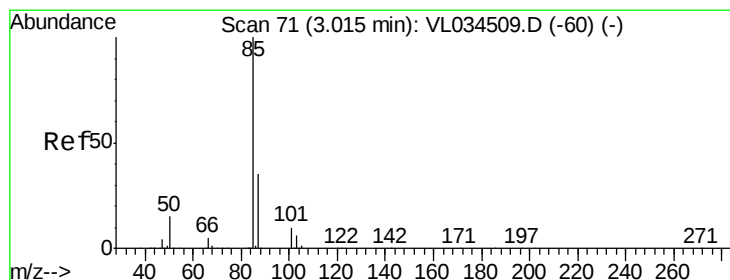
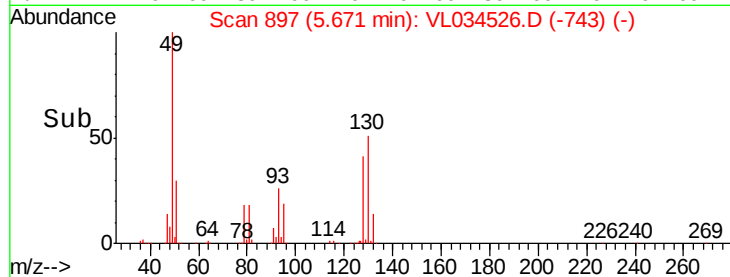
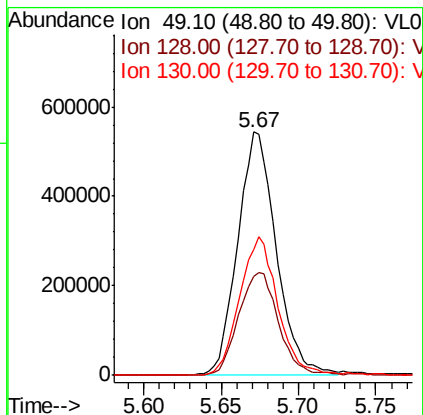
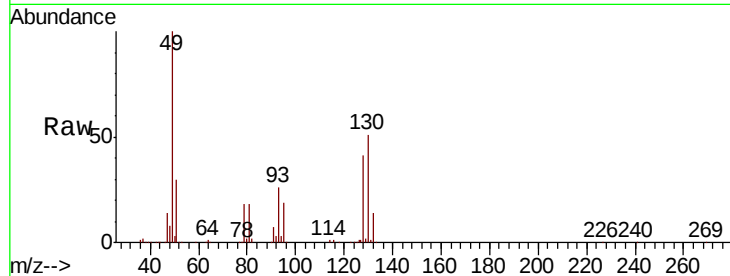
ClientSampleId :

INFLUENTDL2

Tot Ion:	49	Resp:	945566
Ion	Ratio	Lower	Upper
49	100		
128	44.2	22.4	67.2
130	56.7	28.3	85.0

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#2

Dichlorodifluoromethane

Concen: 0.021 ppbv

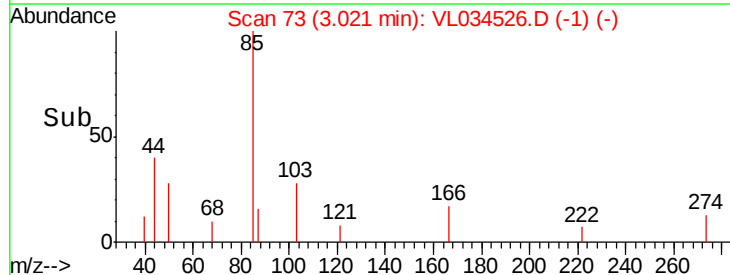
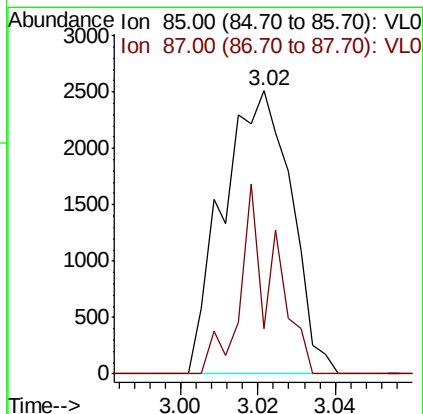
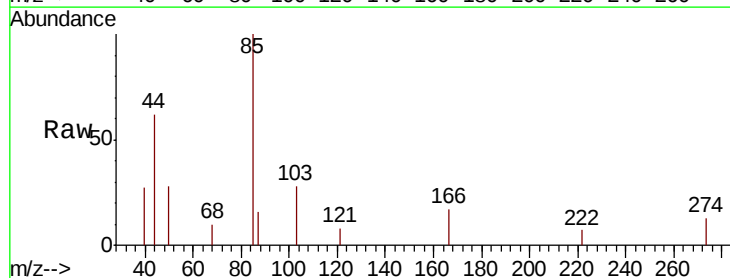
RT: 3.02 min Scan# 73

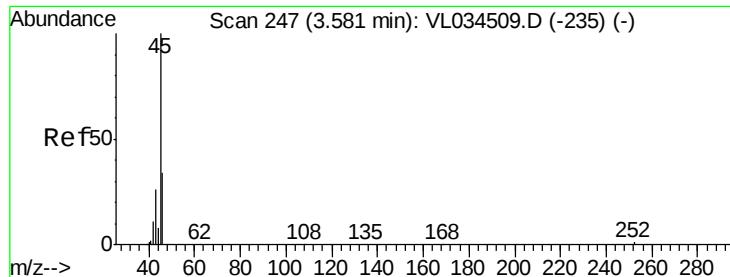
Delta R.T. 0.01 min

Lab File: VL034526.D

Acq: 31 Dec 2019 00:25

Tgt Ion:	85	Resp:	3080
Ion	Ratio	Lower	Upper
85	100		
87	16.1	27.9	41.9#





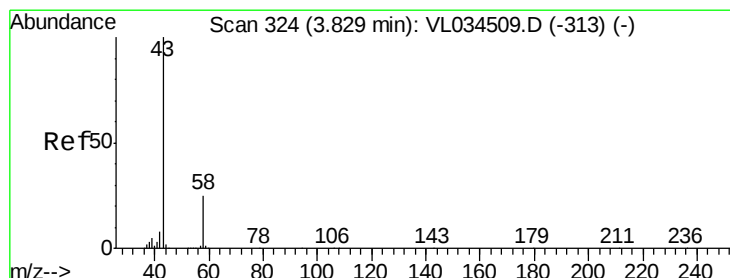
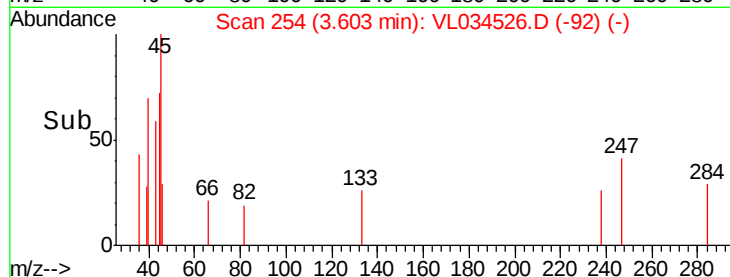
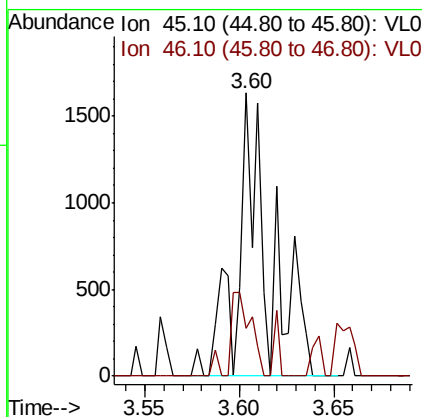
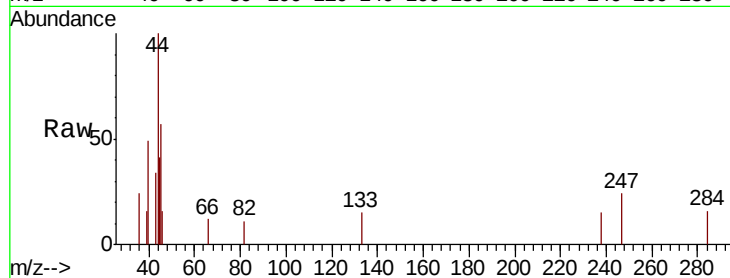
#13
Ethanol
Concen: 0.155 ppbv m
RT: 3.60 min Scan# 254
Delta R.T. 0.02 min
Lab File: VL034526.D
Acq: 31 Dec 2019 00:25

Instrument :
MSVOA_L
ClientSampleId :
INFLUENTDL2

Tot Ion	45	46	Ratio	100	27.6	Resp:	1868
Lower		14.9					
Upper		59.7					

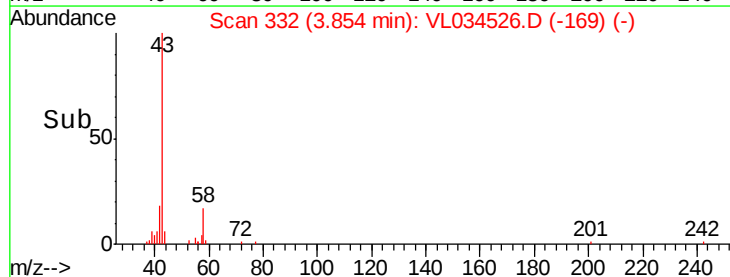
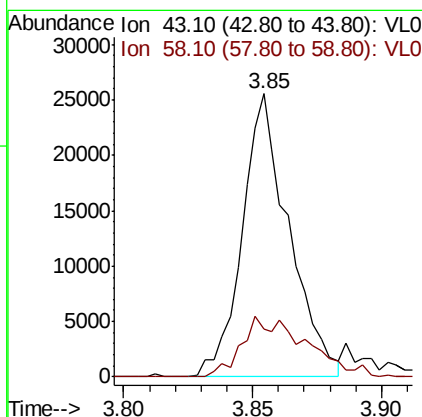
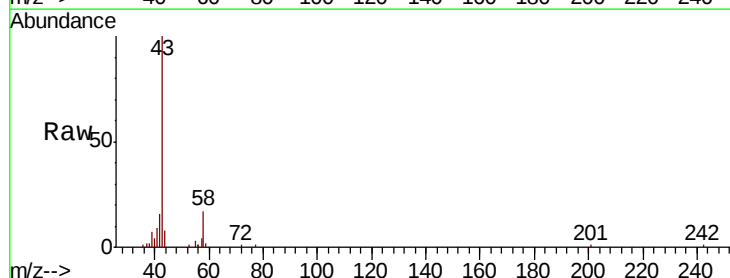
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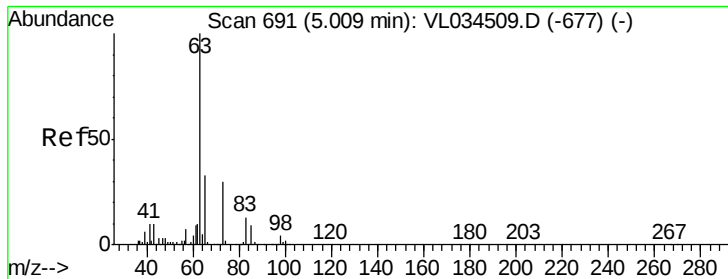
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#15
Acetone
Concen: 0.234 ppbv
RT: 3.85 min Scan# 332
Delta R.T. 0.03 min
Lab File: VL034526.D
Acq: 31 Dec 2019 00:25

Tgt Ion	43	58	Ratio	100	29.2	Resp:	32299
Lower		20.4					
Upper		30.6					





#24

1,1-Dichloroethane

Concen: 0.318 ppbv

RT: 5.01 min Scan# 691

Delta R.T. -0.00 min

Lab File: VL034526.D

Acq: 31 Dec 2019 00:25

Instrument :

MSVOA_L

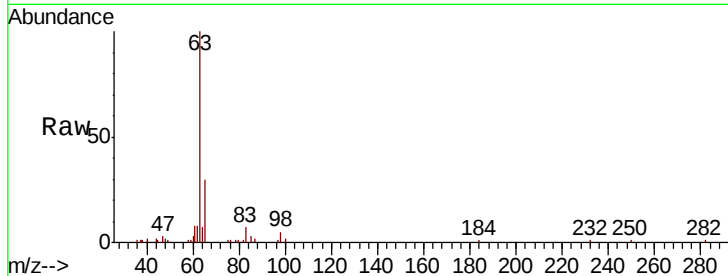
ClientSampleId :

INFLUENTDL2

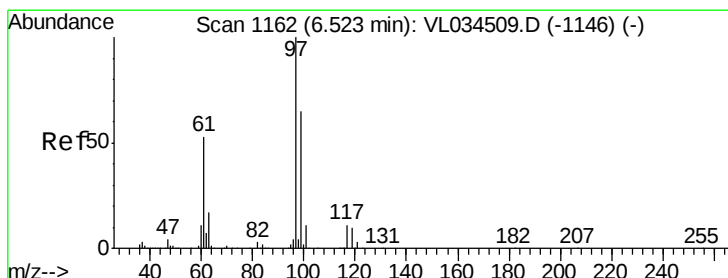
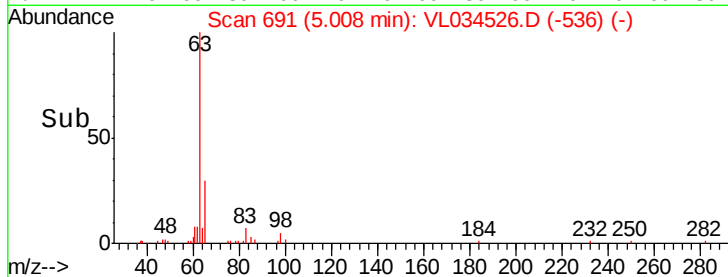
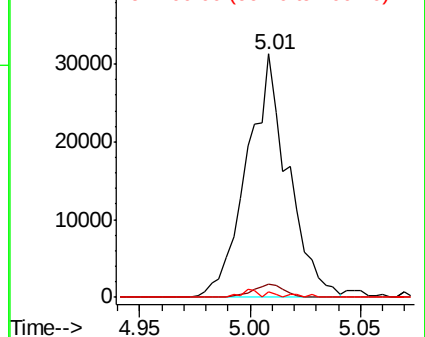
Tot Ion:	63	Resp:	40697
Ion Ratio	Lower	Upper	
63	100		
98	5.2	2.1	6.3
100	2.1	1.1	3.3

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Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 98.00 (97.70 to 98.70): VL0
Ion 100.00 (99.70 to 100.70): VL0



#32

1,1,1-Trichloroethane

Concen: 1.909 ppbv

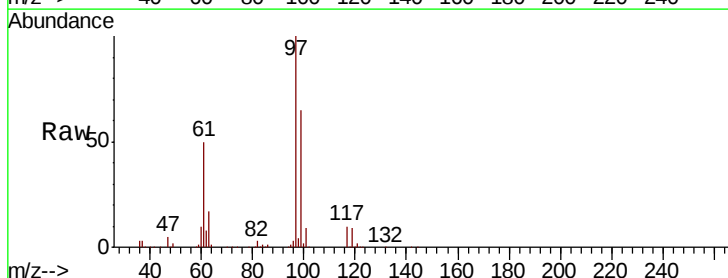
RT: 6.52 min Scan# 1162

Delta R.T. -0.00 min

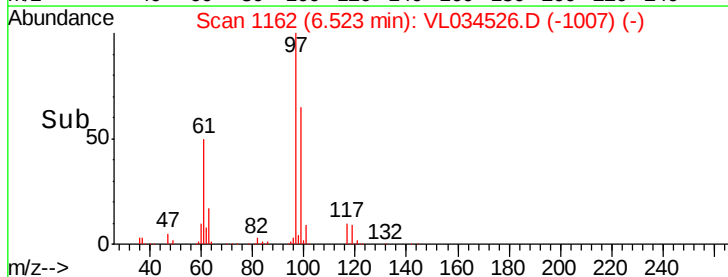
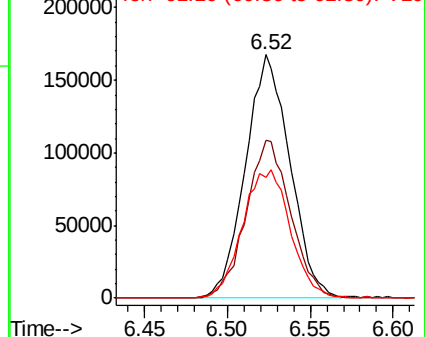
Lab File: VL034526.D

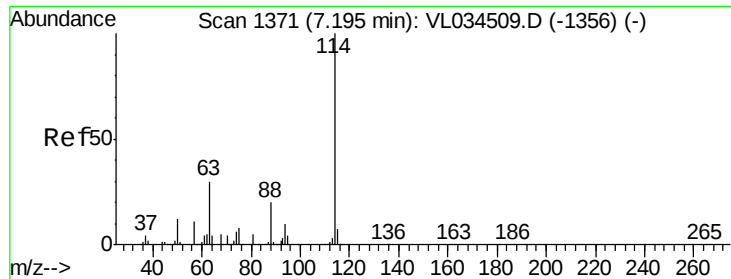
Acq: 31 Dec 2019 00:25

Tgt Ion:	97	Resp:	311433
Ion Ratio	Lower	Upper	
97	100		
99	65.0	51.7	77.5
61	57.1	42.9	64.3



Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0





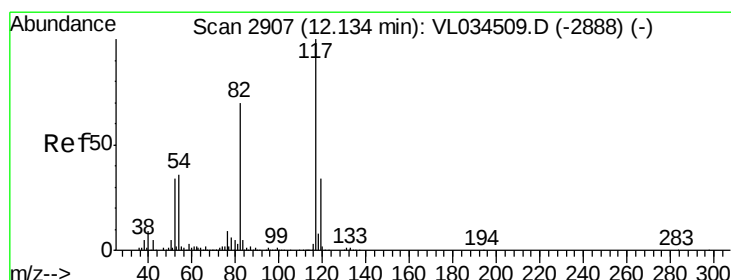
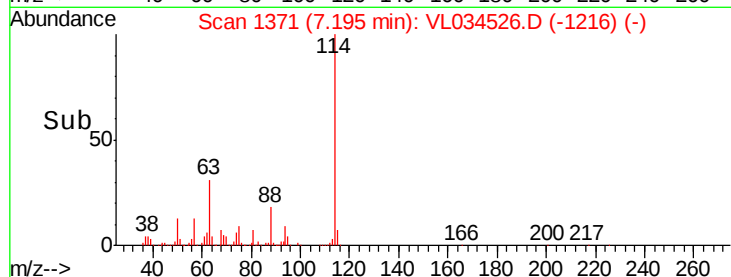
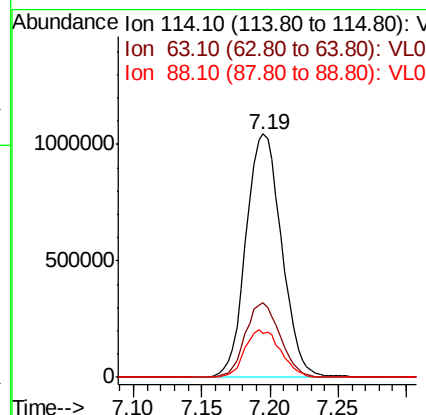
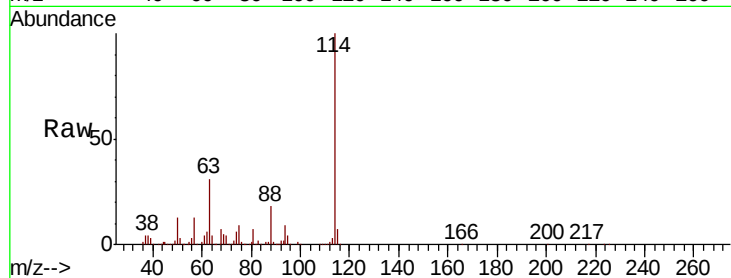
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1371
 Delta R.T. -0.00 min
 Lab File: VL034526.D
 Acq: 31 Dec 2019 00:25

Instrument :
 MSVOA_L
 ClientSampleId :
 INFLUENTDL2

Tot Ion	Ratio	Lower	Upper
114	100		
63	30.2	24.1	36.1
88	19.5	15.7	23.5

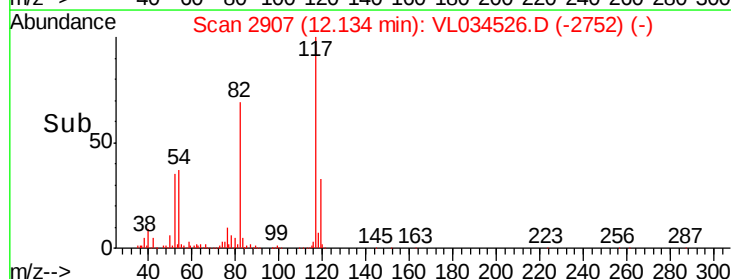
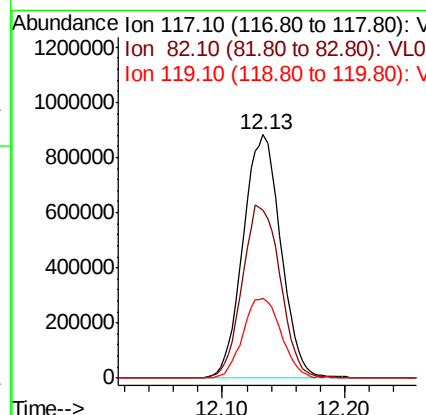
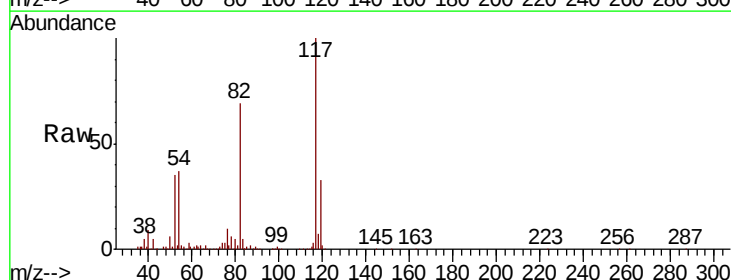
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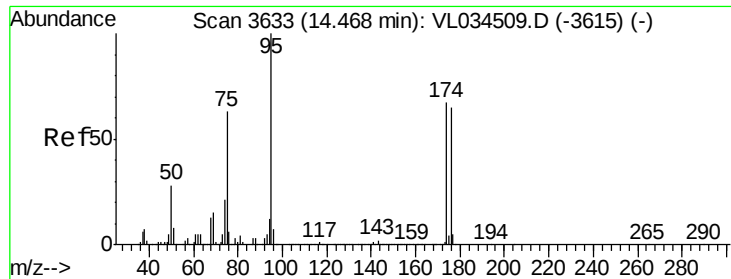
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#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.13 min Scan# 2907
 Delta R.T. -0.00 min
 Lab File: VL034526.D
 Acq: 31 Dec 2019 00:25

Tgt Ion	Ratio	Lower	Upper
117	100		
82	72.0	56.2	84.4
119	33.4	27.1	40.7





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.948 ppbv
 RT: 14.47 min Scan# 3633
 Delta R.T. -0.00 min
 Lab File: VL034526.D
 Acq: 31 Dec 2019 00:25

Instrument :
 MSVOA_L
 ClientSampleId :
 INFLUENTDL2

Tot Ion	Ratio	Lower	Upper
95	100		
174	64.1	52.4	78.6
175	4.7	3.9	5.9

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