

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111919\
 Data File : VL034391.D
 Acq On : 19 Nov 2019 22:54
 Operator : SY/AP
 Sample : K5924-01DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1DL

Manual Integrations
 APPROVED

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 11/20/2019 3:54:07 PM

Quant Time: Nov 20 11:10:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111919AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 20 11:10:56 2019
 QLast Update : Wed Nov 20 03:30:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	983316	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	1922355	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.14	117	1914774	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.47	95	1616544	10.04	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.02	85	37227	0.209	ppbv	99
9) Propene	2.99	41	20407m	0.375	ppbv	
13) Ethanol	3.59	45	181826	11.397	ppbv	93
15) Acetone	3.84	43	99291	0.705	ppbv	96
19) Isopropyl Alcohol	3.96	45	153265	1.497	ppbv #	97
31) cis-1,2-Dichloroethene	5.55	61	35258	0.316	ppbv	88
38) Trichloroethene	7.86	130	14292m	0.181	ppbv	
52) Tetrachloroethene	11.27	164	1389390	16.710	ppbv	98

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

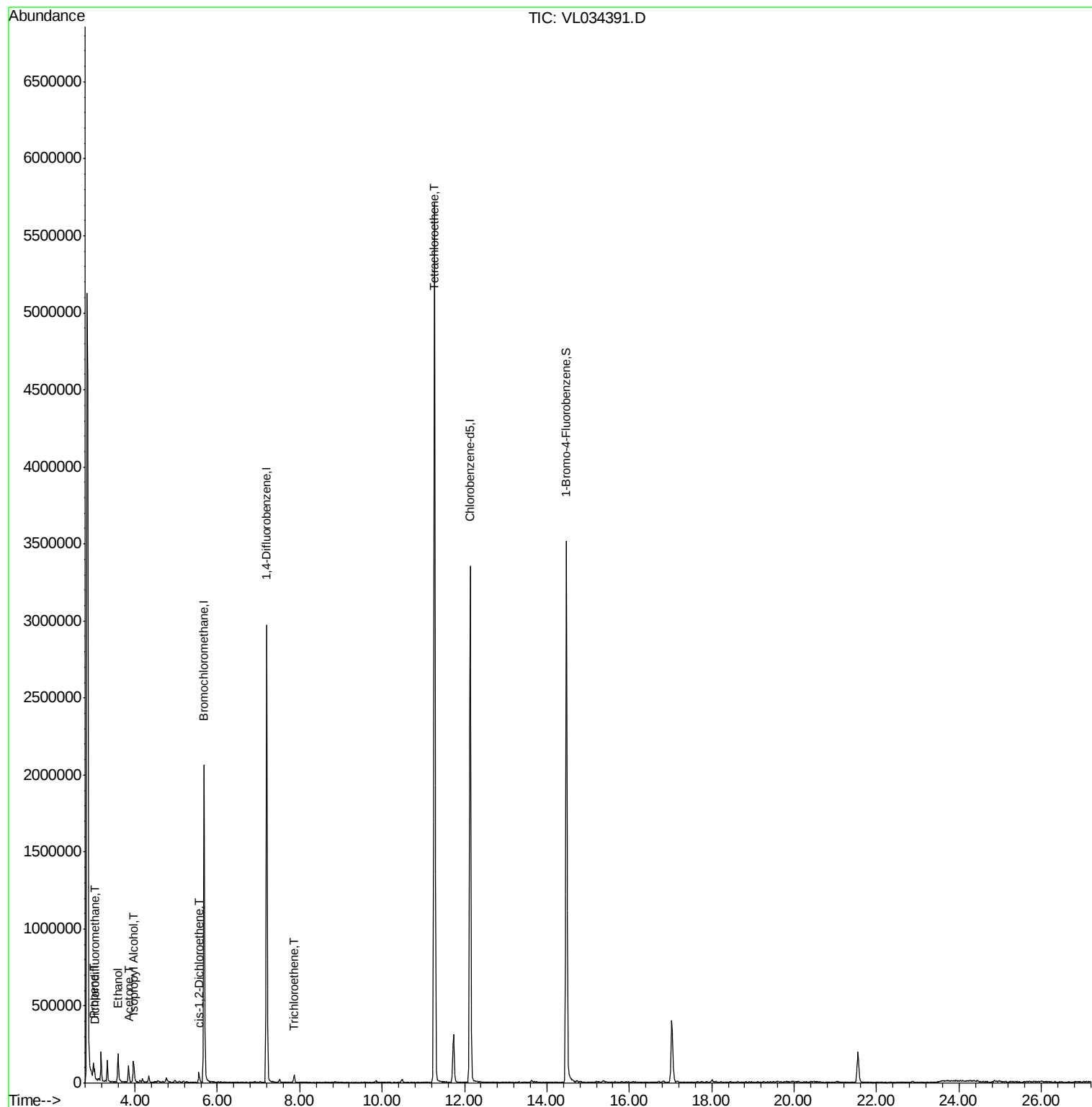
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL111919\
Data File : VL034391.D
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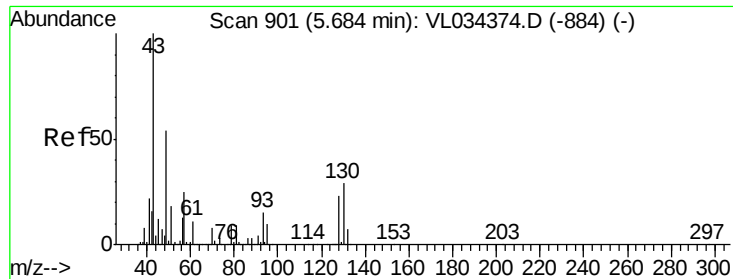
Instrument :
MSVOA_L
ClientSampleId :
IA1DL

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Quant Time: Nov 20 11:10:56 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL111919AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Nov
QLast Update : Wed Nov 20 03:30:54 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 899

Delta R.T. -0.01 min

Lab File: VL034391.D

Acq: 19 Nov 2019 22:54

Instrument :

MSVOA_L

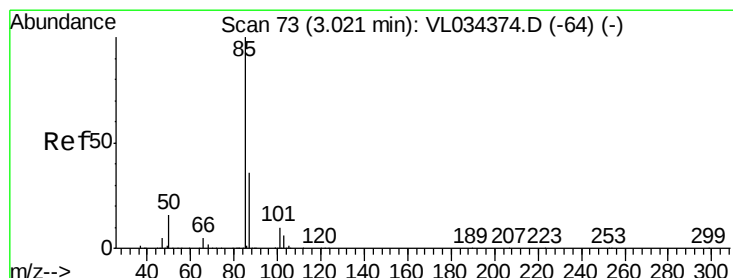
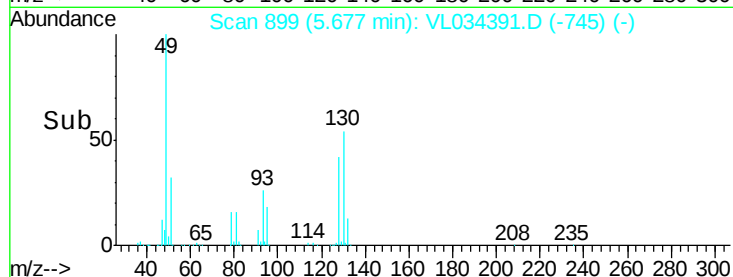
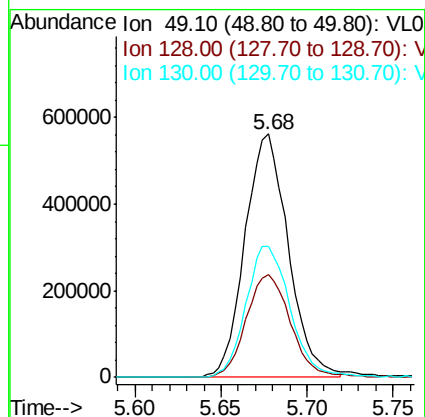
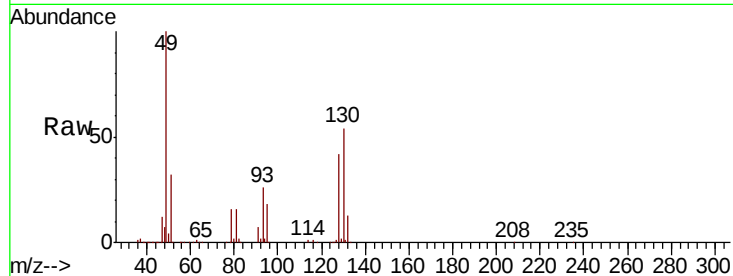
ClientSampled :

IA1DL

Tot Ion:	49	Resp:	983316
Ion	Ratio	Lower	Upper
49	100		
128	43.7	21.8	65.3
130	55.5	28.0	84.0

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#2

Dichlorodifluoromethane

Concen: 0.209 ppbv

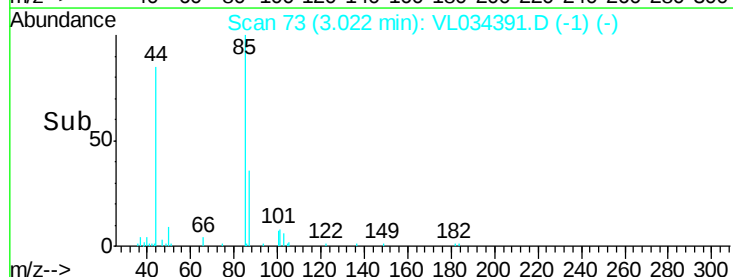
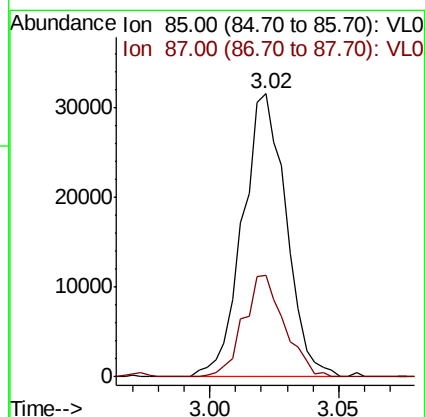
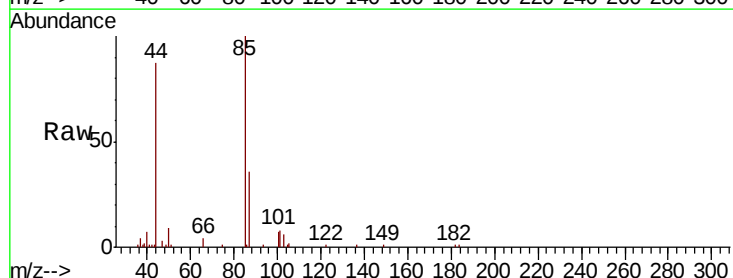
RT: 3.02 min Scan# 73

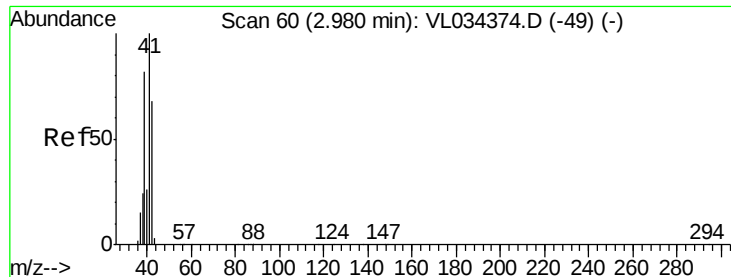
Delta R.T. 0.00 min

Lab File: VL034391.D

Acq: 19 Nov 2019 22:54

Tgt Ion:	85	Resp:	37227
Ion	Ratio	Lower	Upper
85	100		
87	36.1	28.5	42.7





#9

Propene

Concen: 0.375 ppbv m

RT: 2.99 min Scan# 64

Delta R.T. 0.01 min

Lab File: VL034391.D

Acq: 19 Nov 2019 22:54

Instrument :

MSVOA_L

ClientSampleId :

IA1DL

Tot Ion: 41 Resp: 20407

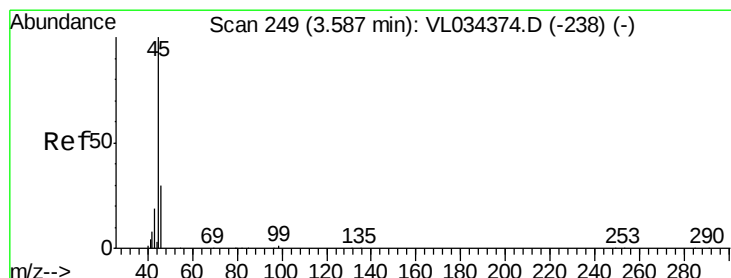
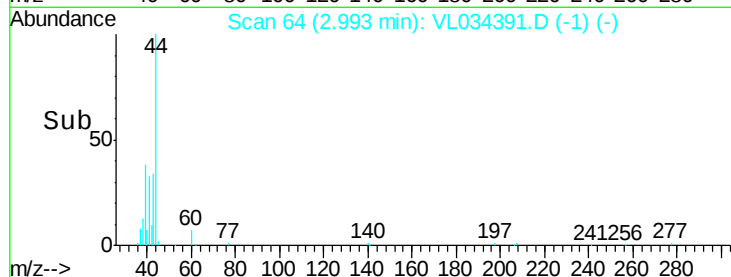
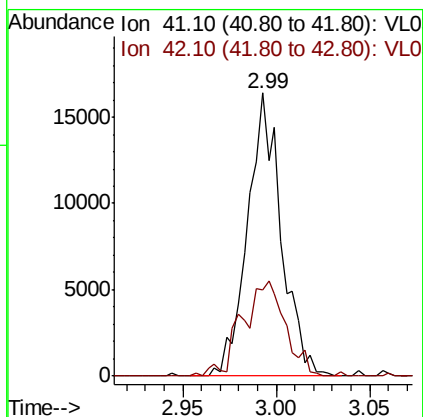
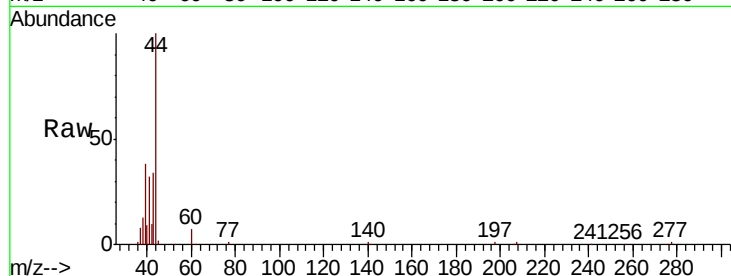
Ion Ratio Lower Upper

41 100

42 151.5 54.6 82.0#

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#13

Ethanol

Concen: 11.397 ppbv

RT: 3.59 min Scan# 249

Delta R.T. 0.00 min

Lab File: VL034391.D

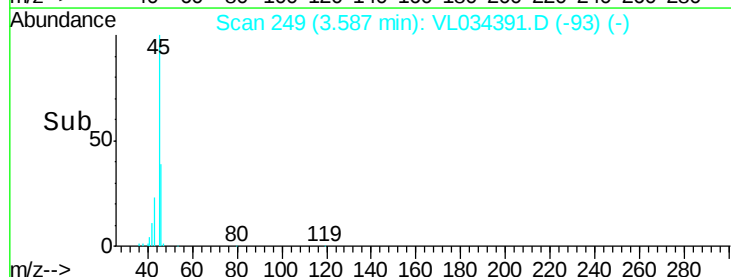
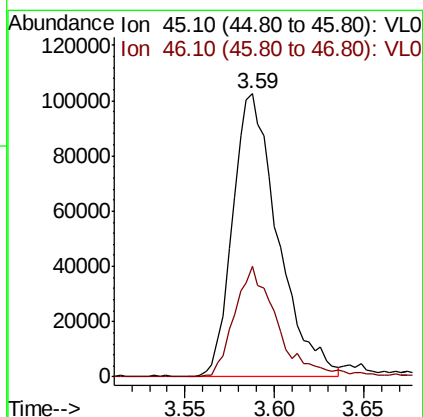
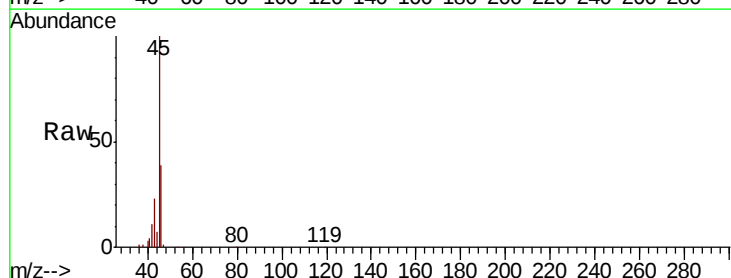
Acq: 19 Nov 2019 22:54

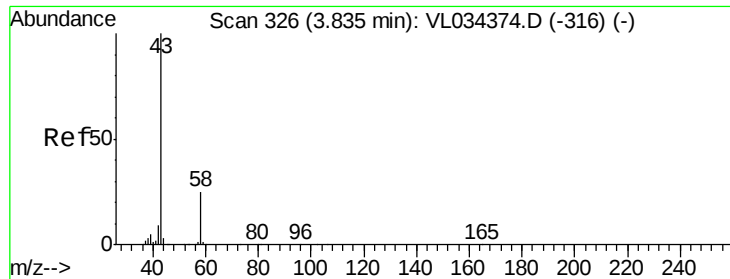
Tgt Ion: 45 Resp: 181826

Ion Ratio Lower Upper

45 100

46 38.4 13.8 55.4





#15

Acetone

Concen: 0.705 ppbv

RT: 3.84 min Scan# 329

Delta R.T. 0.01 min

Lab File: VL034391.D

Acq: 19 Nov 2019 22:54

Instrument :

MSVOA_L

ClientSampleId :

IA1DL

Tot Ion: 43 Resp: 99291

Ion Ratio Lower Upper

43 100

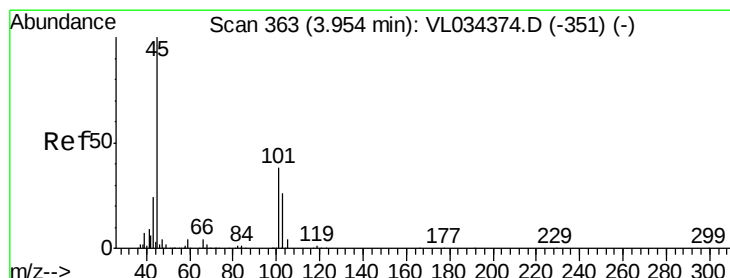
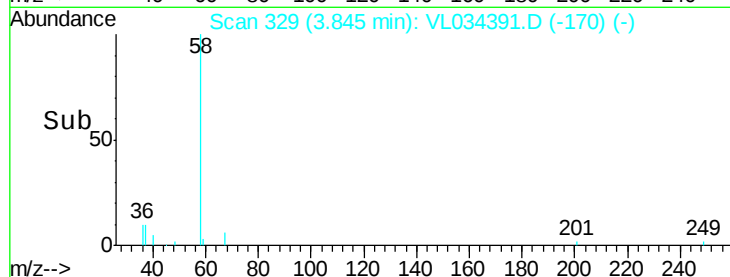
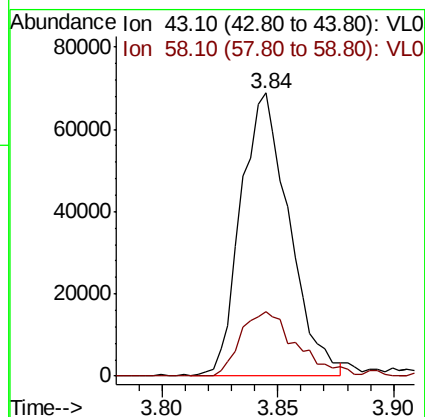
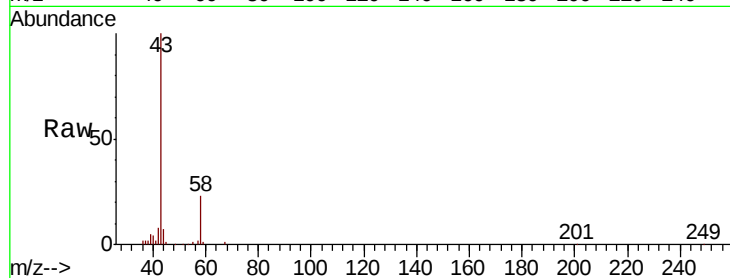
58 27.5 20.2 30.4

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#19

Isopropyl Alcohol

Concen: 1.497 ppbv

RT: 3.96 min Scan# 366

Delta R.T. 0.01 min

Lab File: VL034391.D

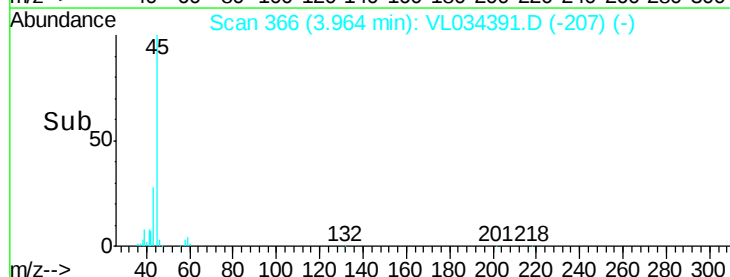
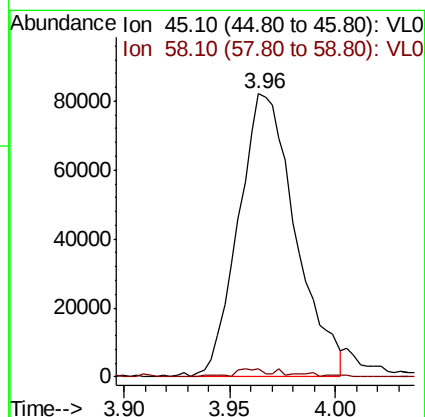
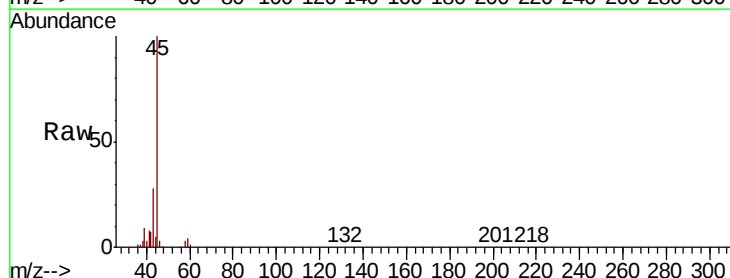
Acq: 19 Nov 2019 22:54

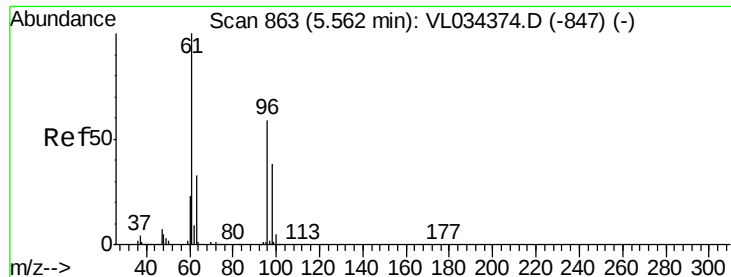
Tgt Ion: 45 Resp: 153265

Ion Ratio Lower Upper

45 100

58 2.8 1.3 1.9#





#31

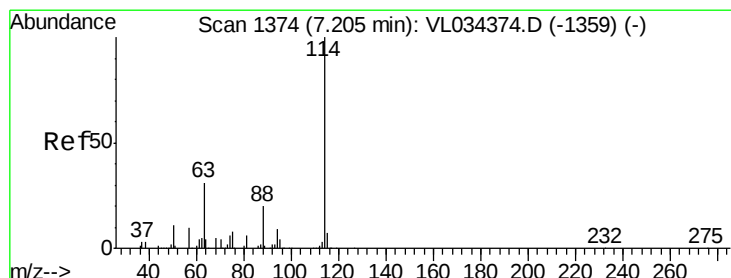
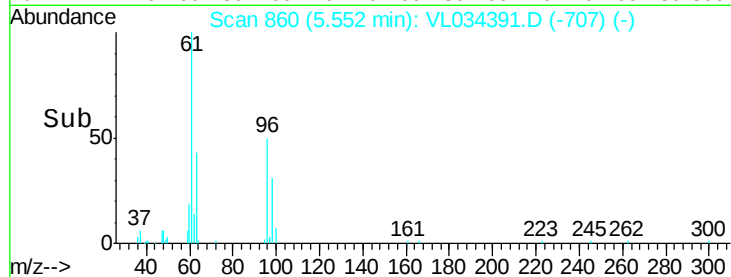
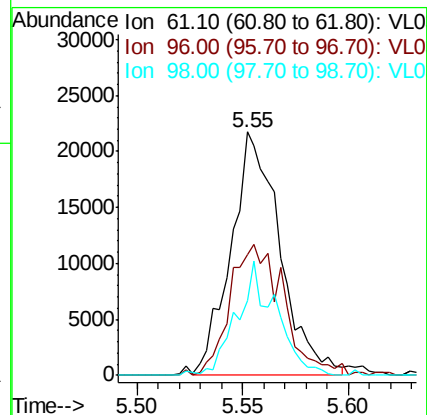
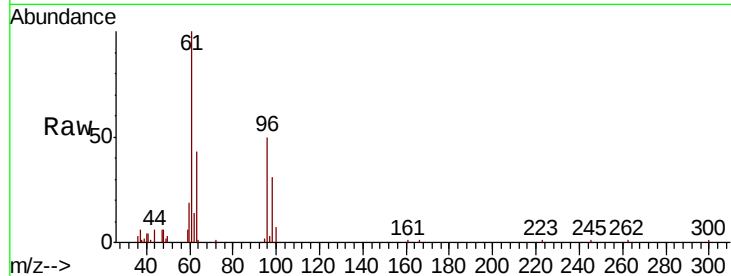
cis-1,2-Dichloroethene
 Concen: 0.316 ppbv
 RT: 5.55 min Scan# 860
 Delta R.T. -0.01 min
 Lab File: VL034391.D
 Acq: 19 Nov 2019 22:54

Instrument :
 MSVOA_L
 ClientSampled :
 IA1DL

Tot Ion	Ratio	Lower	Upper
61	100		
96	50.0	47.4	71.2
98	31.0	30.6	45.8

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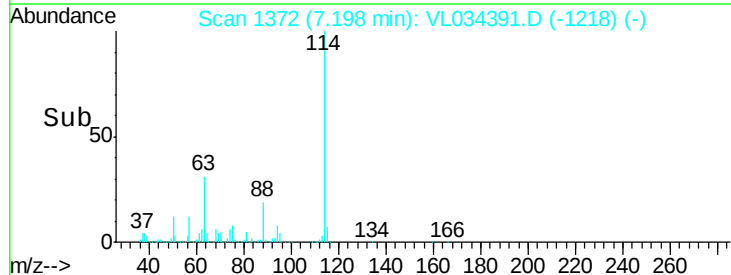
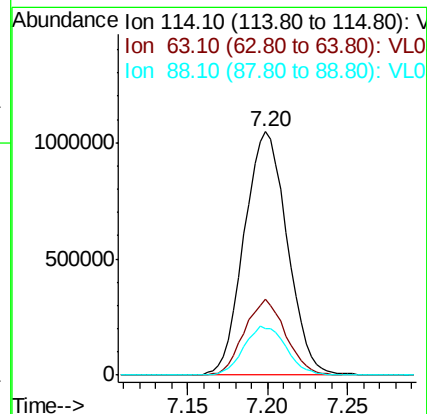
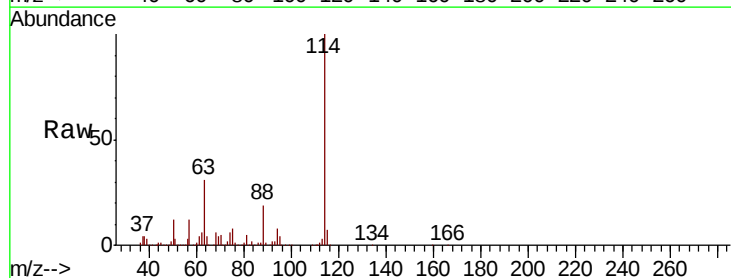
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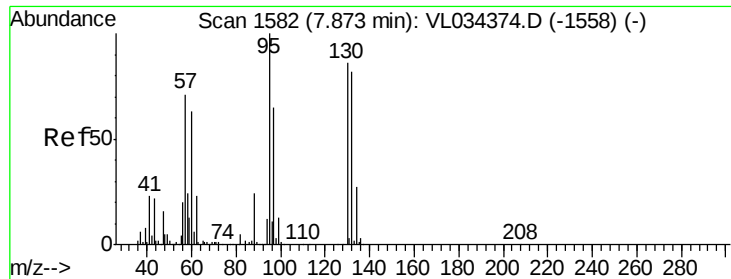


#33

1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.20 min Scan# 1372
 Delta R.T. -0.01 min
 Lab File: VL034391.D
 Acq: 19 Nov 2019 22:54

Tgt Ion	Ratio	Lower	Upper
114	100		
63	30.1	24.2	36.4
88	19.9	15.9	23.9





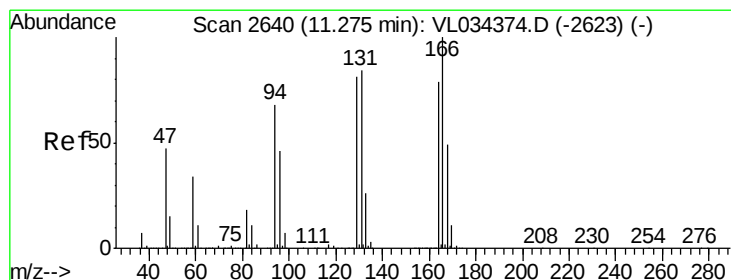
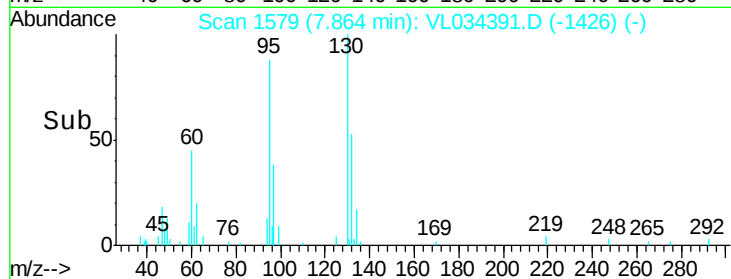
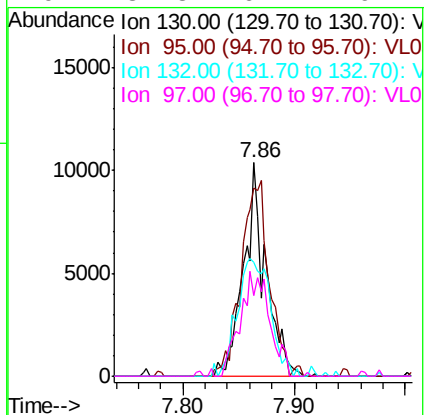
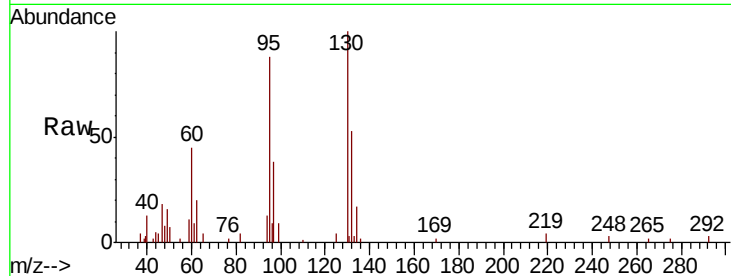
#38
 Trichloroethene
 Concen: 0.181 ppbv m
 RT: 7.86 min Scan# 1579
 Delta R.T. -0.01 min
 Lab File: VL034391.D
 Acq: 19 Nov 2019 22:54

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1DL

Tot Ion	Ratio	Lower	Upper
130	100		
95	87.9	93.4	140.0#
132	53.2	76.4	114.6#
97	37.8	61.1	91.7#

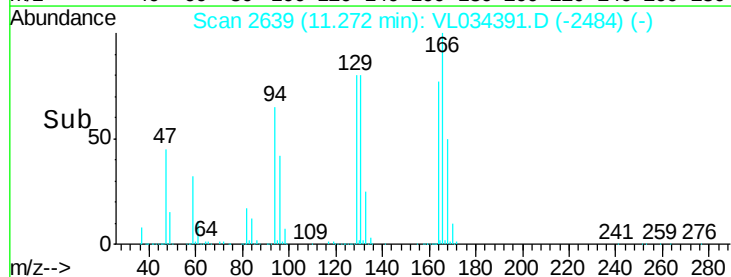
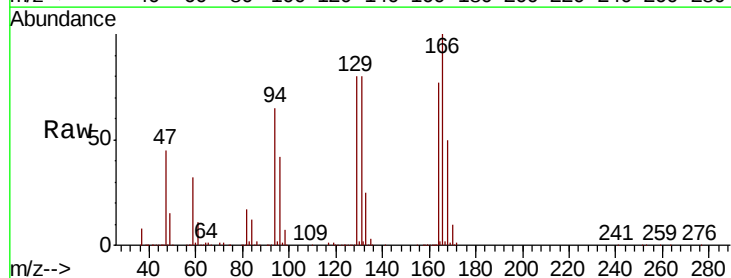
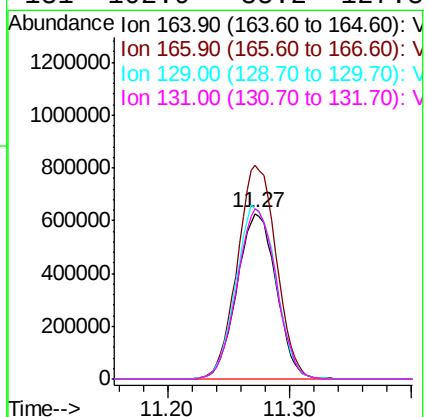
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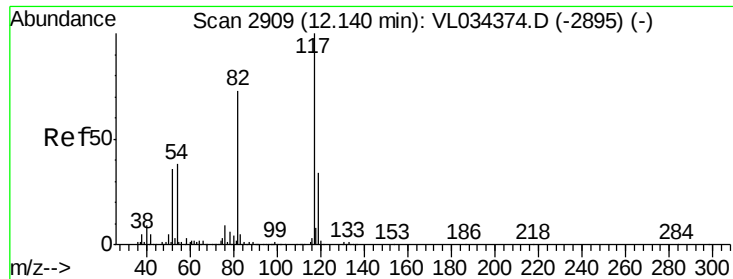
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#52
 Tetrachloroethene
 Concen: 16.710 ppbv
 RT: 11.27 min Scan# 2639
 Delta R.T. -0.00 min
 Lab File: VL034391.D
 Acq: 19 Nov 2019 22:54

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.1	101.7	152.5
129	103.1	82.6	123.8
131	102.9	85.2	127.8





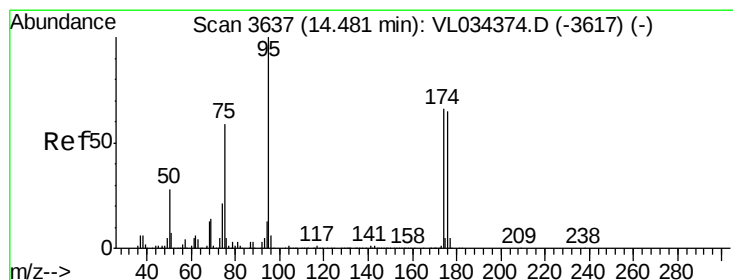
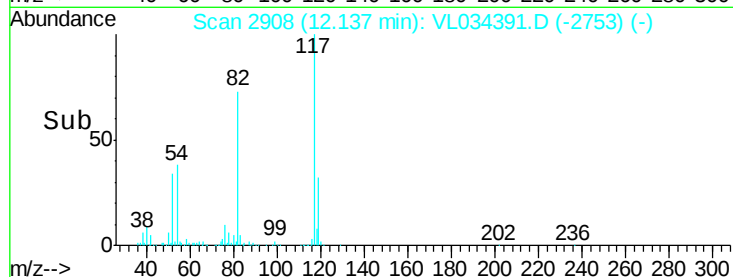
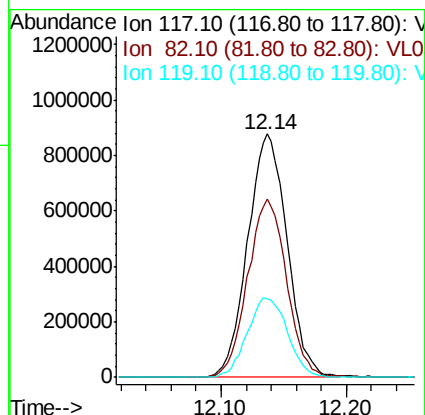
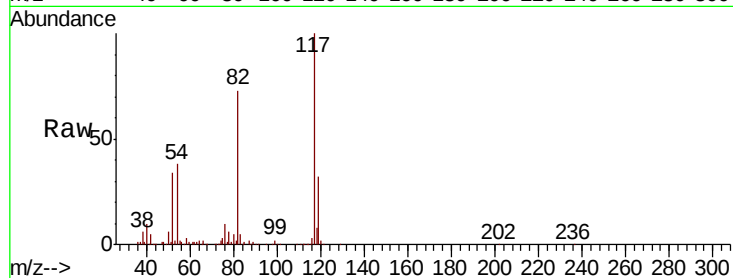
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.14 min Scan# 2908
Delta R.T. -0.00 min
Lab File: VL034391.D
Acq: 19 Nov 2019 22:54

Instrument :
MSVOA_L
ClientSampled :
IA1DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	72.9	57.5	86.3
119	33.5	25.4	38.2

Manual Integrations
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#68
1-Bromo-4-Fluorobenzene
Concen: 10.035 ppbv
RT: 14.47 min Scan# 3635
Delta R.T. -0.01 min
Lab File: VL034391.D
Acq: 19 Nov 2019 22:54

Tgt Ion	Ratio	Lower	Upper
95	100		
174	65.6	52.2	78.2
175	4.9	3.8	5.8

