

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL031819\
 Data File : VL033382.D
 Acq On : 19 Mar 2019 8:30
 Operator : SY/AP
 Sample : K1805-07DL 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ST-SS-3DL

Manual Integrations
 APPROVED

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 3/21/2019 12:15:54 PM

Quant Time: Mar 19 09:04:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL031519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Mar 19 09:04:22 2019
 QLast Update : Fri Mar 15 14:52:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.75	49	735295	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.28	114	1644084	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.24	117	1750342	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1439400	11.10	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	111.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
22) trans-1,2-Dichloroethene	4.95	96	10637m	0.281	ppbv	
31) cis-1,2-Dichloroethene	5.63	61	173244	2.333	ppbv	98
38) Trichloroethene	7.95	130	70395m	1.264	ppbv	
52) Tetrachloroethene	11.37	164	685010	11.175	ppbv	99

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

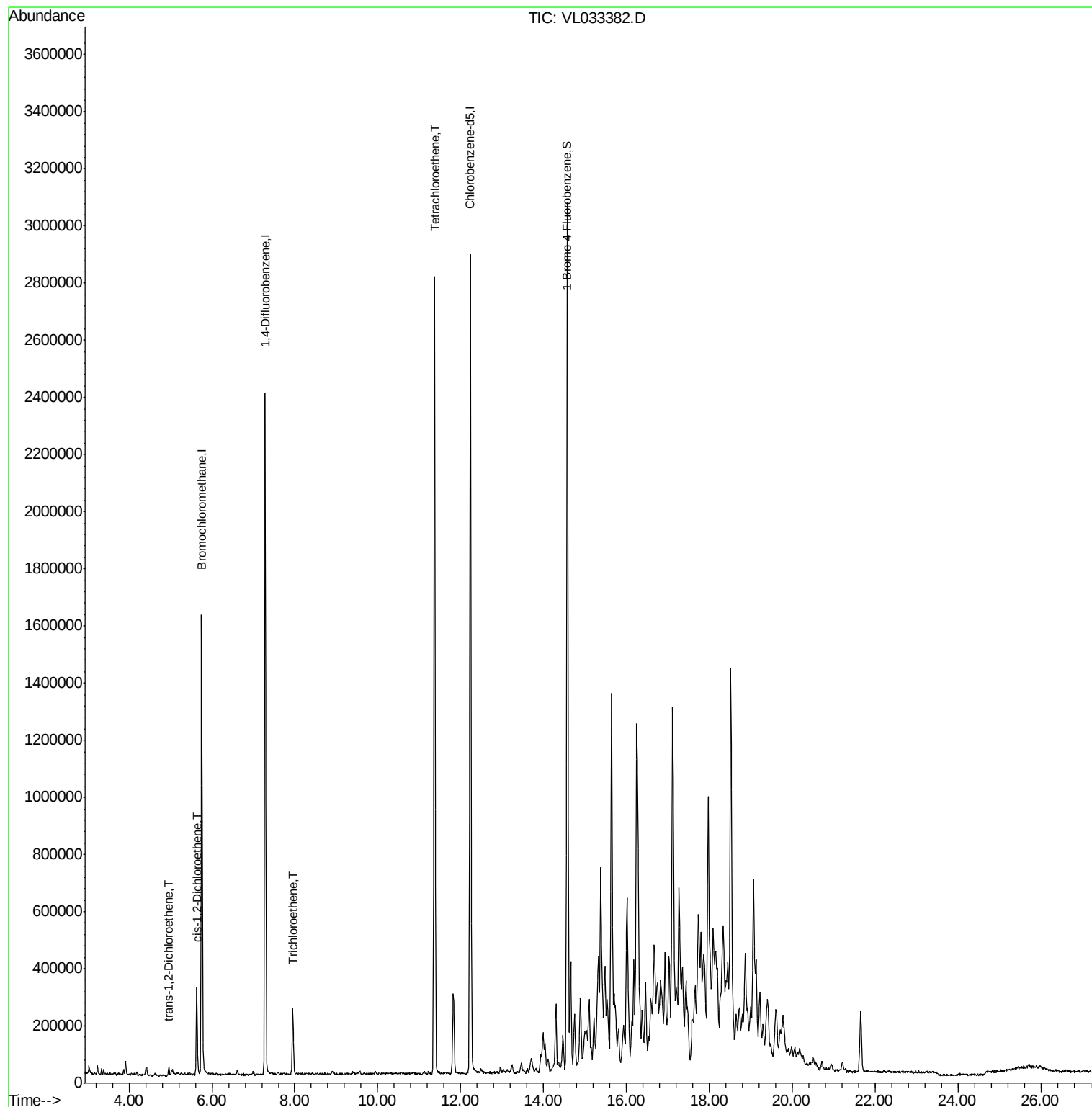
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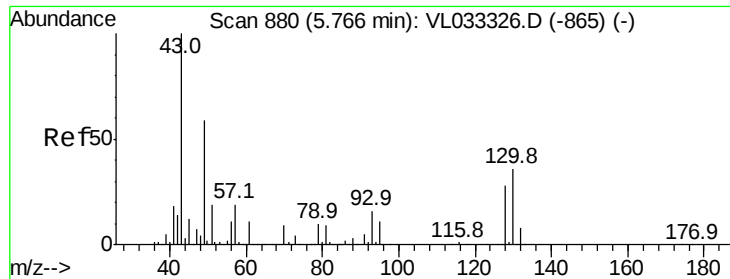
Instrument :
MSVOA_L
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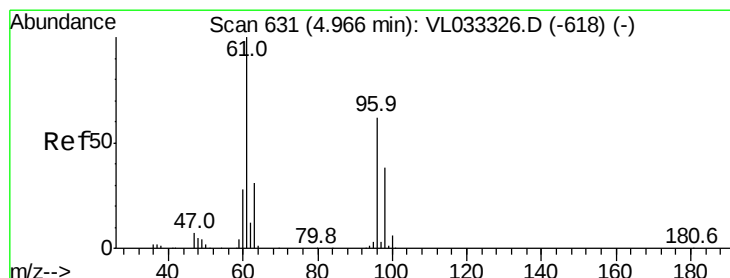
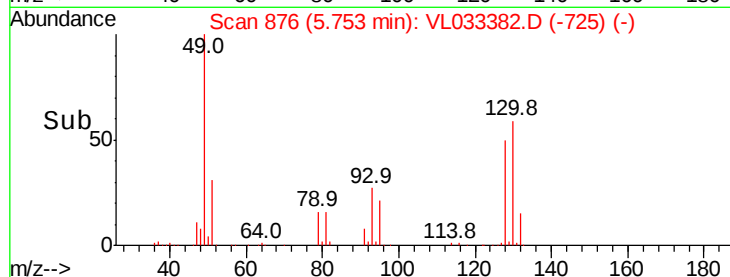
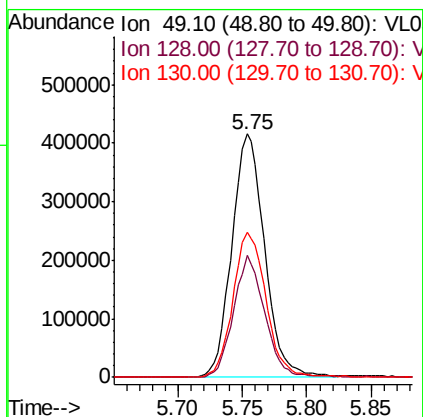
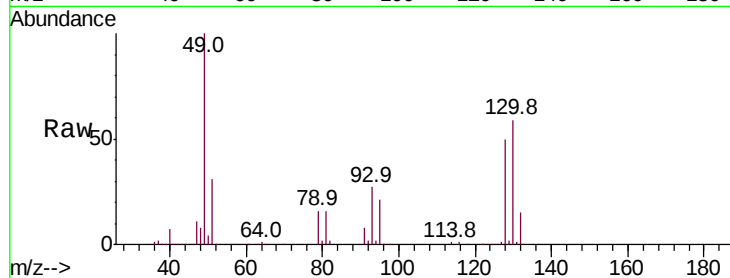
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.75 min Scan# 876
Delta R.T. -0.01 min
Lab File: VL033382.D
Acq: 19 Mar 2019 8:30

Instrument :
MSVOA_L
ClientSampleId :
ST-SS-3DL

Tot Ion	Ratio	Lower	Upper
49	100		
128	47.9	23.5	70.6
130	60.3	30.1	90.3

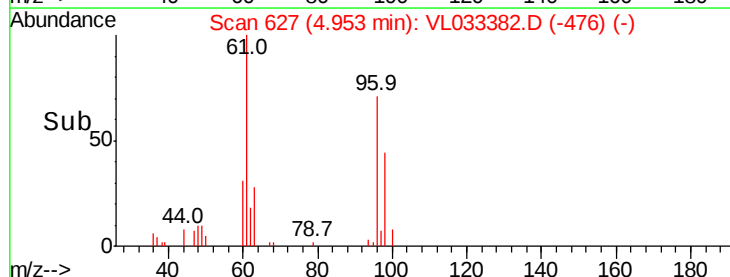
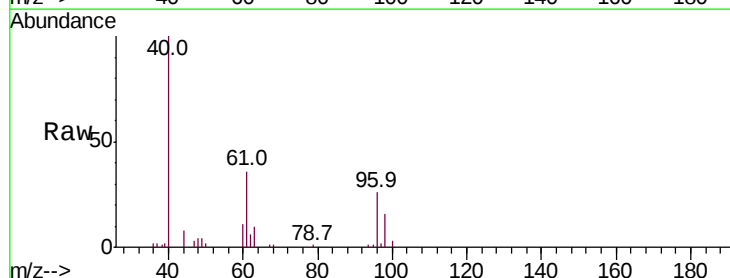
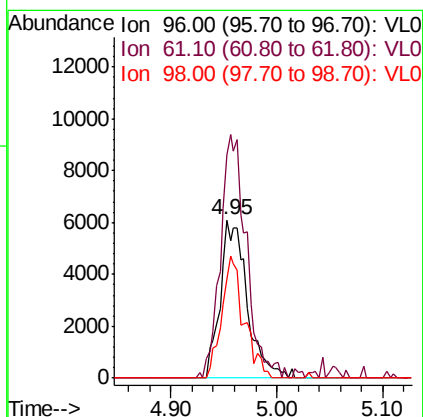
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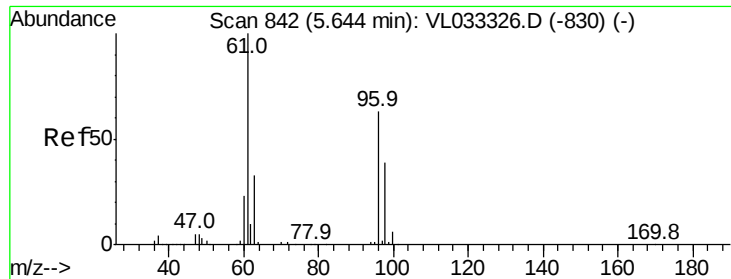
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#22
trans-1,2-Dichloroethene
Concen: 0.281 ppbv m
RT: 4.95 min Scan# 627
Delta R.T. -0.01 min
Lab File: VL033382.D
Acq: 19 Mar 2019 8:30

Tgt Ion	Ratio	Lower	Upper
96	100		
61	141.3	130.0	195.0
98	62.3	50.0	75.0





#31

cis-1,2-Dichloroethene

Concen: 2.333 ppbv

RT: 5.63 min Scan# 839

Delta R.T. -0.01 min

Lab File: VL033382.D

Acq: 19 Mar 2019 8:30

Instrument :

MSVOA_L

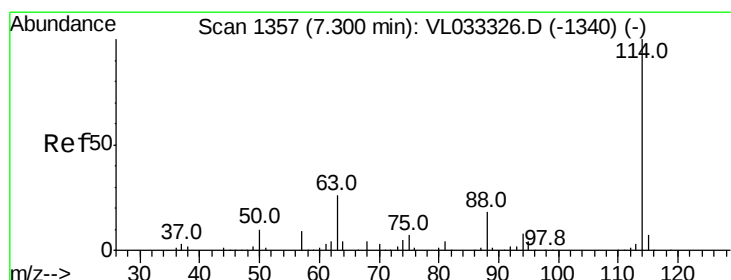
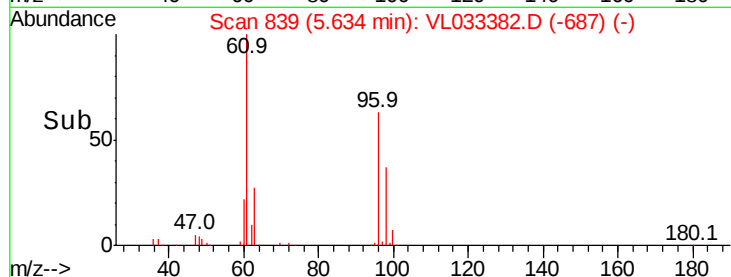
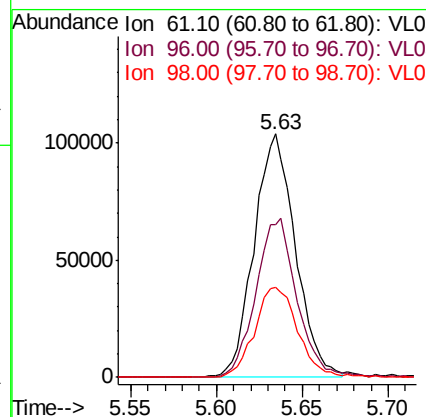
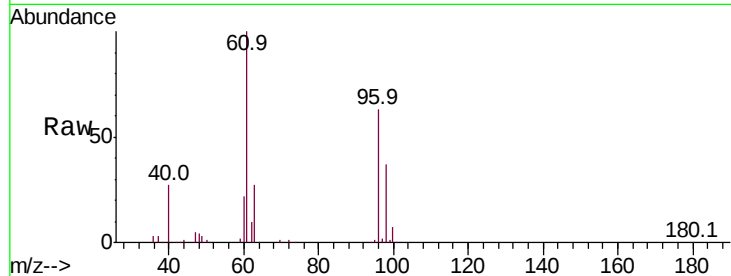
ClientSampled :

ST-SS-3DL

Tot Ion:	61	Resp:	173244
Ion Ratio	Lower	Upper	
61	100		
96	62.9	50.3	75.5
98	37.0	31.5	47.3

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

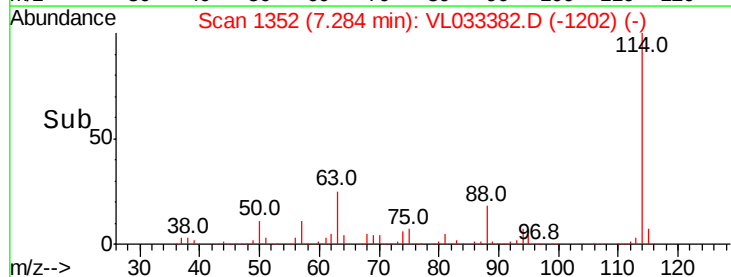
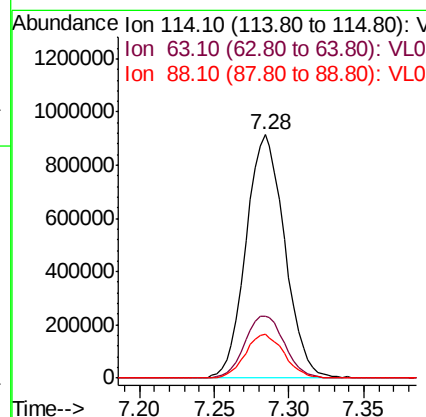
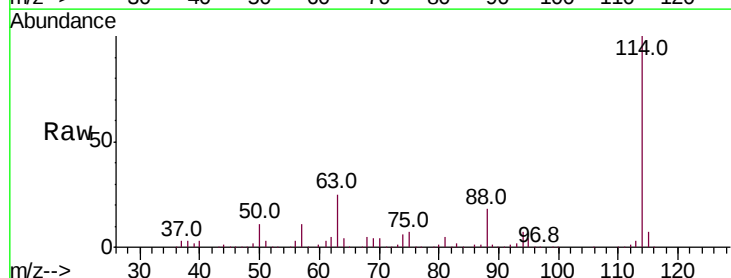
RT: 7.28 min Scan# 1352

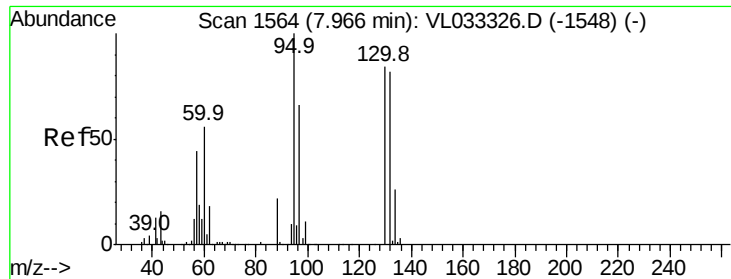
Delta R.T. -0.02 min

Lab File: VL033382.D

Acq: 19 Mar 2019 8:30

Tgt Ion:	114	Resp:	1644084
Ion Ratio	Lower	Upper	
114	100		
63	26.4	21.4	32.2
88	18.2	14.5	21.7





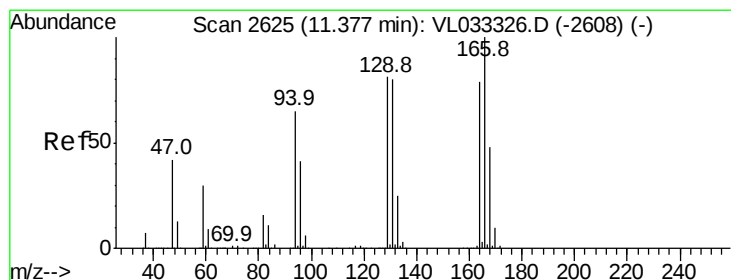
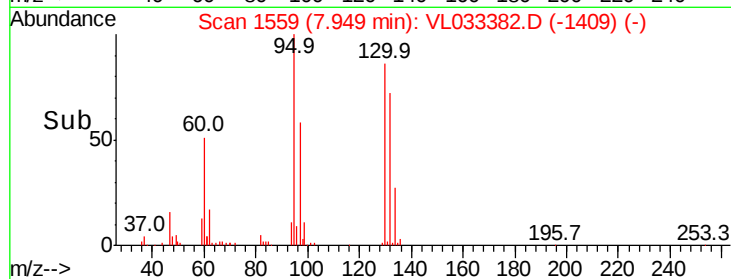
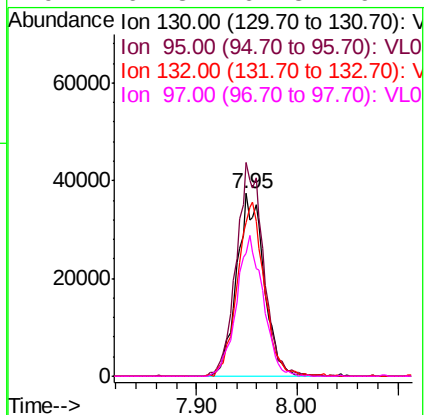
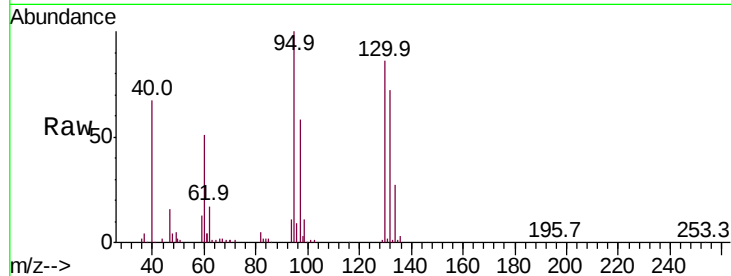
#38
 Trichloroethene
 Concen: 1.264 ppbv m
 RT: 7.95 min Scan# 1559
 Delta R.T. -0.02 min
 Lab File: VL033382.D
 Acq: 19 Mar 2019 8:30

Instrument :
 MSVOA_L
 ClientSampleId :
 ST-SS-3DL

Tot Ion	Ratio	Lower	Upper
130	100		
95	116.9	95.2	142.8
132	84.0	77.7	116.5
97	67.3	62.8	94.2

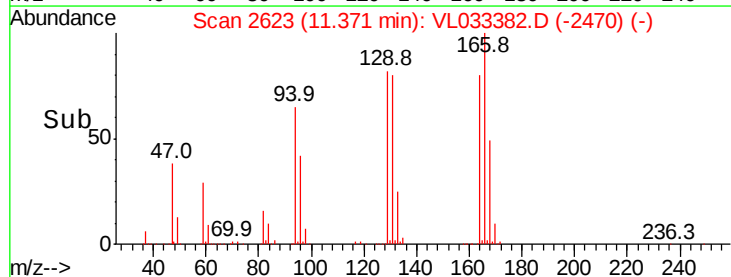
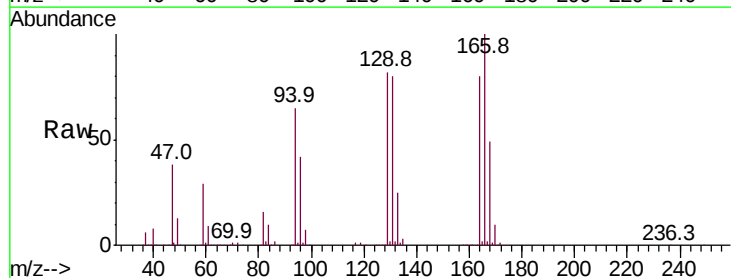
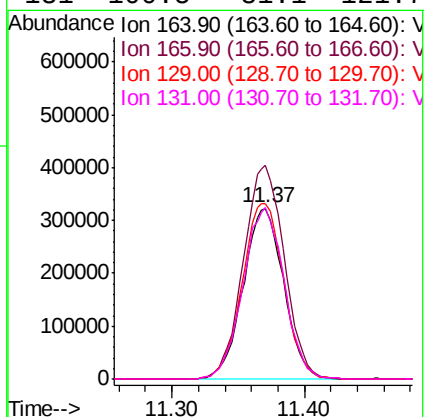
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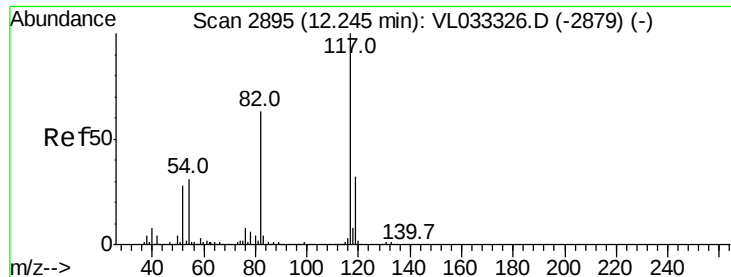
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#52
 Tetrachloroethene
 Concen: 11.175 ppbv
 RT: 11.37 min Scan# 2623
 Delta R.T. -0.01 min
 Lab File: VL033382.D
 Acq: 19 Mar 2019 8:30

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.1	101.5	152.3
129	102.7	82.2	123.2
131	100.5	81.1	121.7





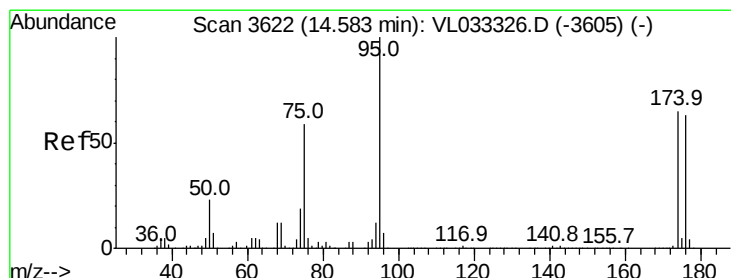
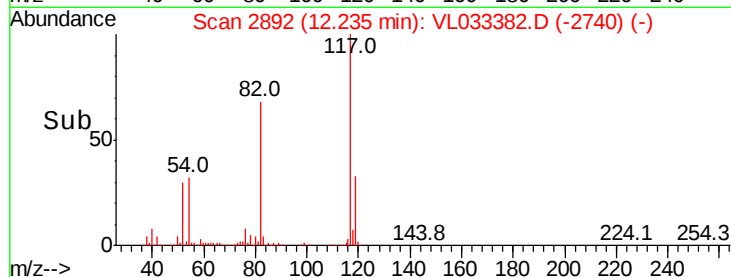
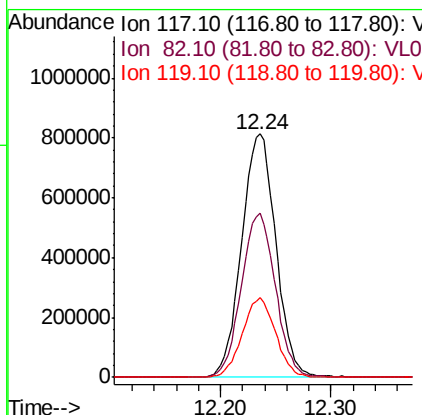
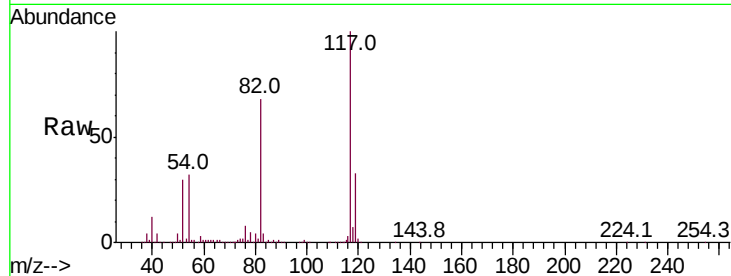
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2892
Delta R.T. -0.01 min
Lab File: VL033382.D
Acq: 19 Mar 2019 8:30

Instrument :
MSVOA_L
ClientSampled :
ST-SS-3DL

Tot Ion:117 Resp: 1750342
Ion Ratio Lower Upper
117 100
82 67.3 53.4 80.2
119 32.0 27.3 40.9

Manual Integrations
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#68
1-Bromo-4-Fluorobenzene
Concen: 11.098 ppbv
RT: 14.57 min Scan# 3619
Delta R.T. -0.01 min
Lab File: VL033382.D
Acq: 19 Mar 2019 8:30

Tgt Ion: 95 Resp: 1439400
Ion Ratio Lower Upper
95 100
174 64.6 51.5 77.3
175 4.6 3.8 5.6

