

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050619\
 Data File : VL033668.D
 Acq On : 6 May 2019 21:05
 Operator : SY/AP
 Sample : K2241-13 0.03PPB
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2019

Manual Integrations
 APPROVED

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 5/8/2019 12:07:11 PM

Quant Time: May 07 04:37:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050619AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon May 0
 QLast Update : Mon May 06 15:19:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	784730	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	1976541	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	2078777	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1784107	10.47	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.70%

Target Compounds					Ovalue
5) Vinyl Chloride	3.29	62	2276m	0.040	ppbv
32) 1,1,1-Trichloroethane	6.62	97	5513m	0.036	ppbv
35) Carbon Tetrachloride	7.13	117	5666m	0.035	ppbv
38) Trichloroethene	7.95	130	1890m	0.029	ppbv
52) Tetrachloroethene	11.38	164	1775m	0.028	ppbv
63) 1,1,2,2-Tetrachloroethane	13.84	83	7117m	0.040	ppbv

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

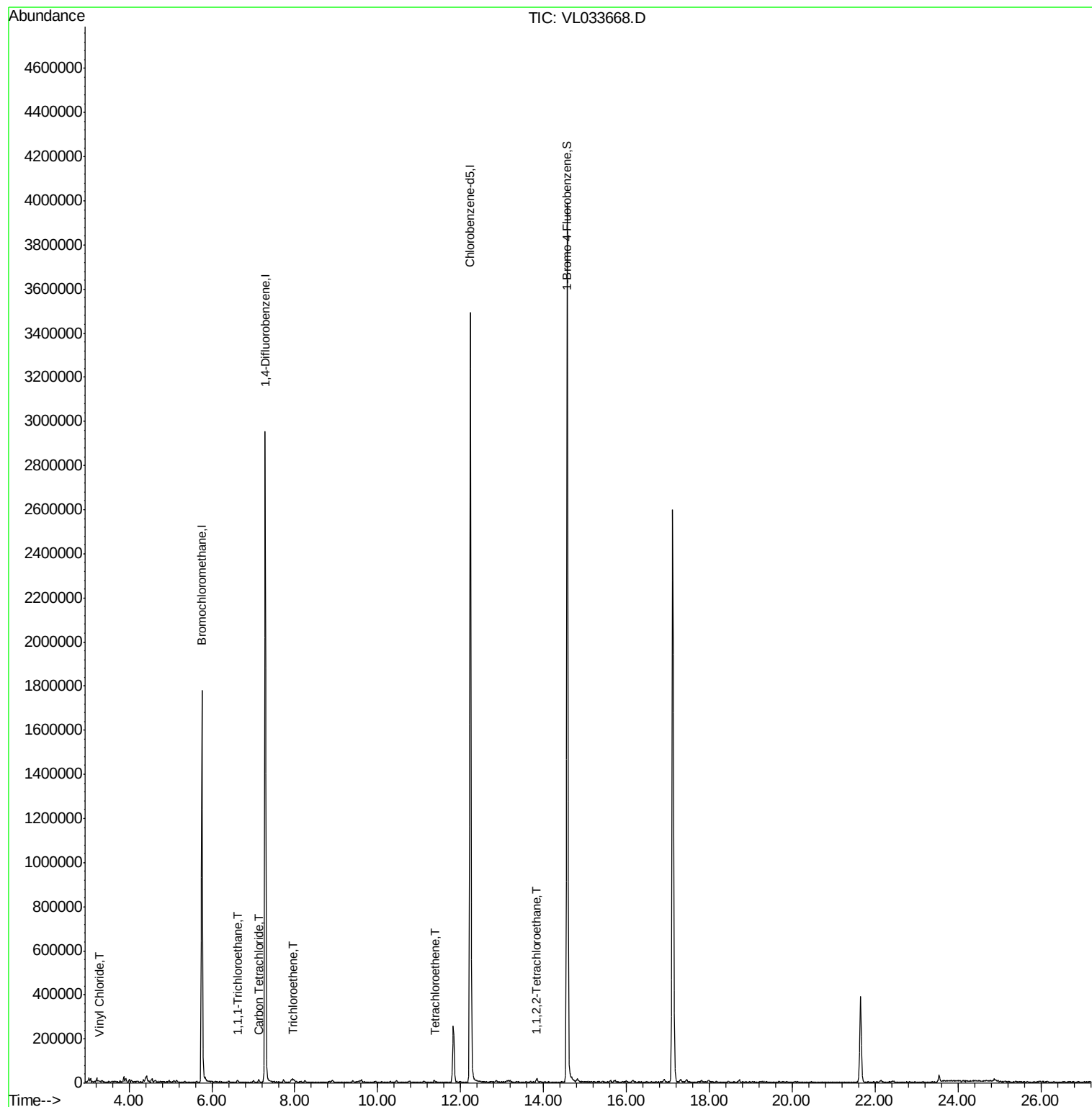
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL050619\
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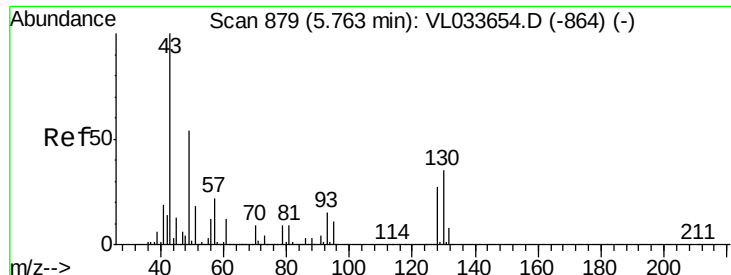
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QLast Update : Mon May 06 15:19:01 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 877

Delta R.T. -0.01 min

Lab File: VL033668.D

Acq: 6 May 2019 21:05

Instrument :

MSVOA_L

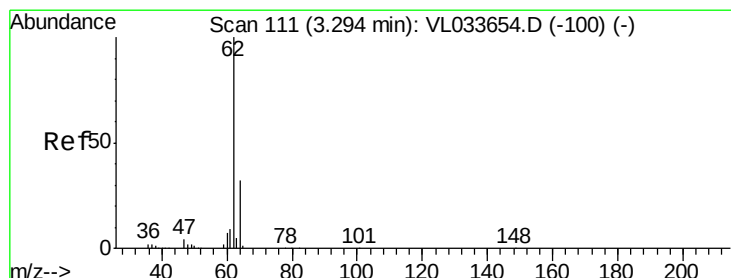
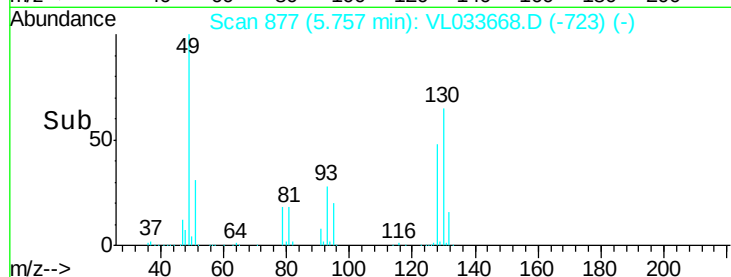
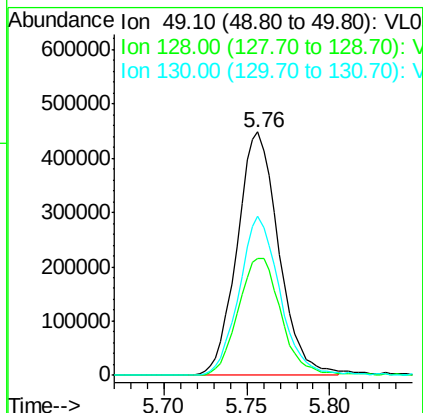
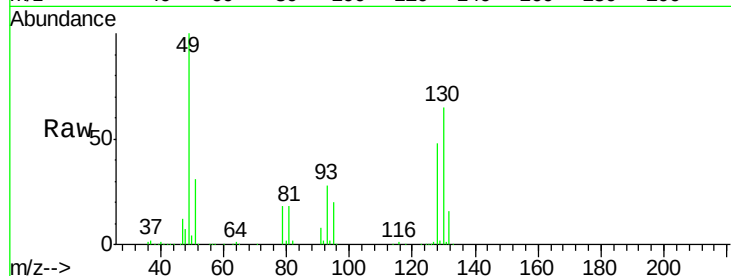
ClientSampleId :

LOD-MDL-AIR-01-QT2-2019

Tot Ion:	49	Resp:	784730
Ion	Ratio	Lower	Upper
49	100		
128	50.3	24.8	74.3
130	64.6	32.1	96.5

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#5

Vinyl Chloride

Concen: 0.040 ppbv m

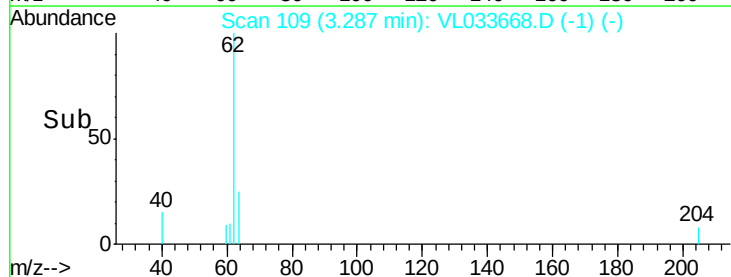
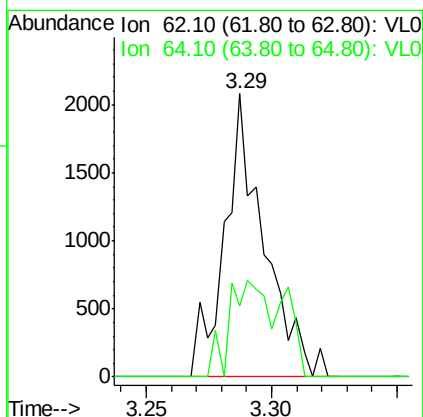
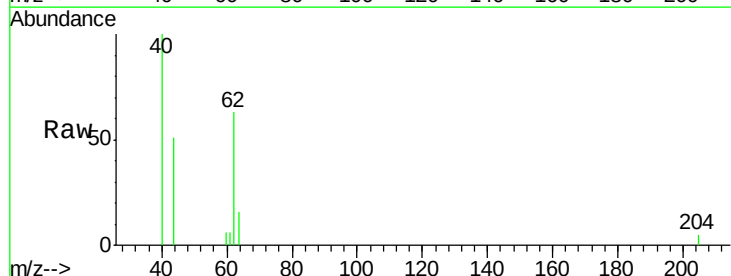
RT: 3.29 min Scan# 109

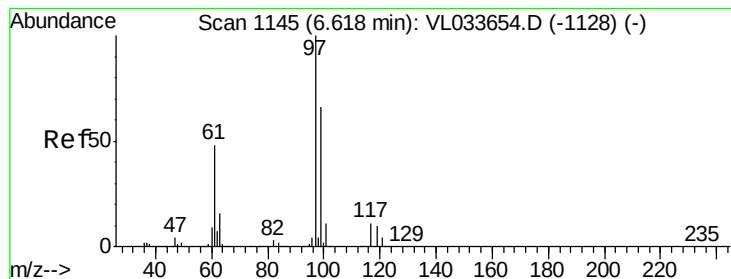
Delta R.T. -0.01 min

Lab File: VL033668.D

Acq: 6 May 2019 21:05

Tgt Ion:	62	Resp:	2276
Ion	Ratio	Lower	Upper
62	100		
64	25.3	25.6	38.4#





#32

1,1,1-Trichloroethane

Concen: 0.036 ppbv m

RT: 6.62 min Scan# 1145

Delta R.T. 0.00 min

Lab File: VL033668.D

Acq: 6 May 2019 21:05

Instrument :

MSVOA_L

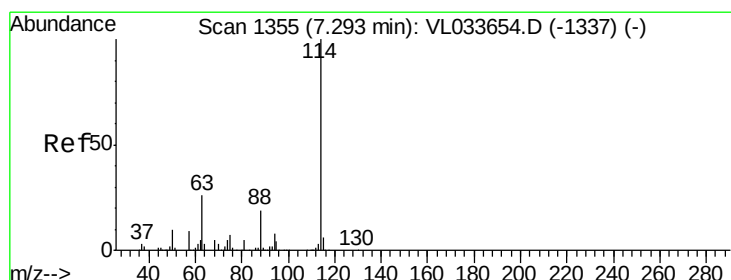
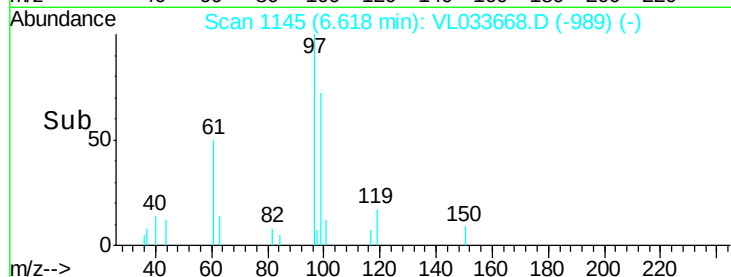
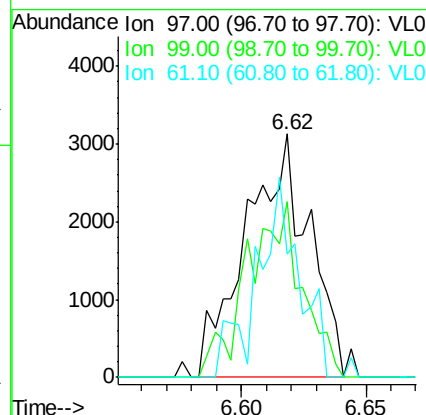
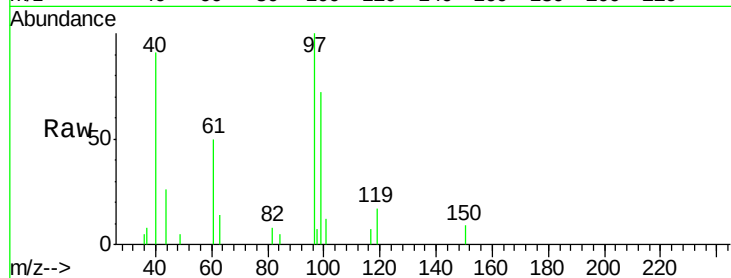
ClientSampleId :

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Tot Ion:	97	Resp:	5513
Ion	Ratio	Lower	Upper
97	100		
99	62.6	51.4	77.2
61	55.7	38.5	57.7

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

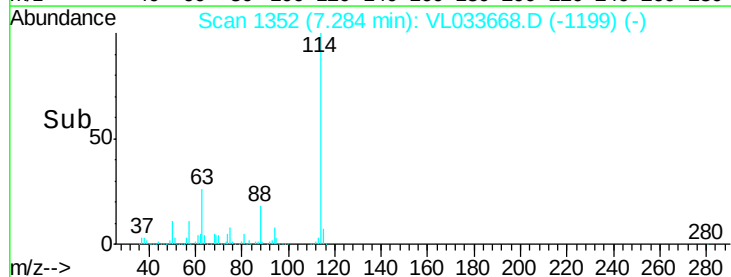
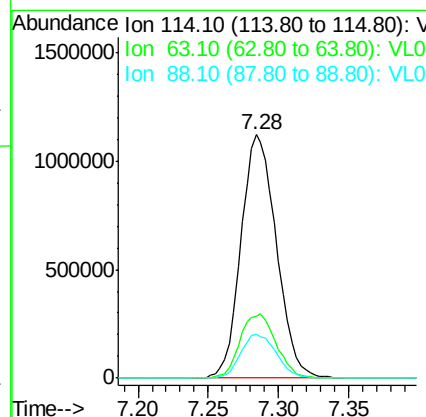
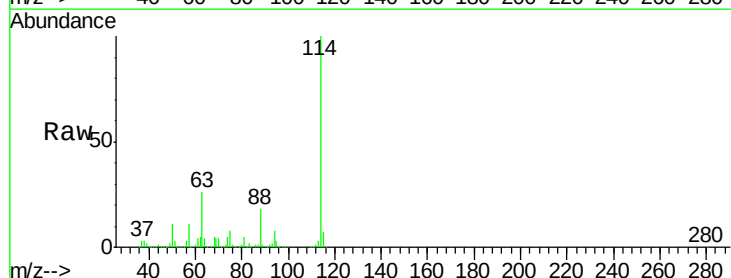
RT: 7.28 min Scan# 1352

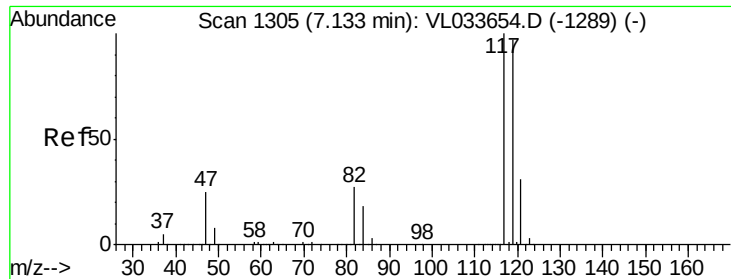
Delta R.T. -0.01 min

Lab File: VL033668.D

Acq: 6 May 2019 21:05

Tgt Ion:	114	Resp:	1976541
Ion	Ratio	Lower	Upper
114	100		
63	26.9	21.3	31.9
88	18.0	14.4	21.6





#35

Carbon Tetrachloride

Concen: 0.035 ppbv m

RT: 7.13 min Scan# 1304

Delta R.T. -0.00 min

Lab File: VL033668.D

Acq: 6 May 2019 21:05

Instrument :

MSVOA_L

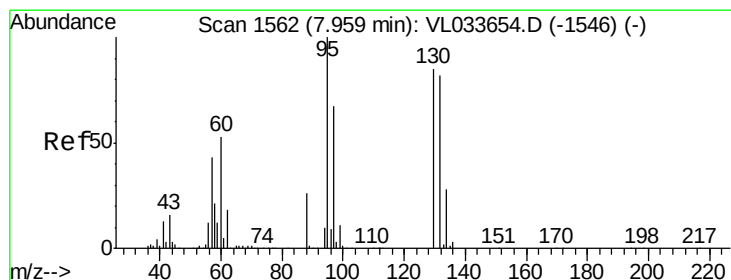
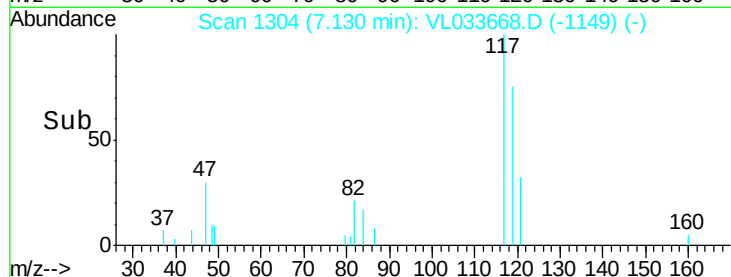
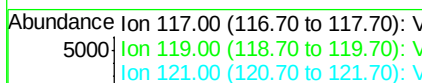
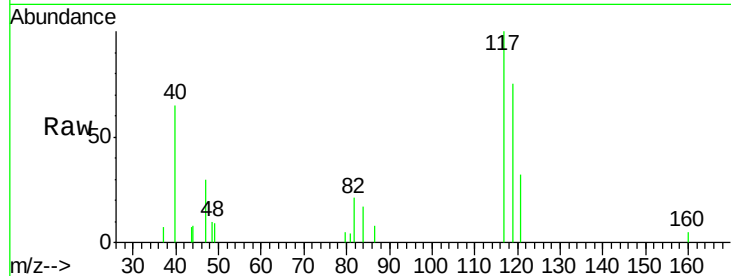
ClientSampleId :

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Tot Ion:	117	Resp:	5666
Ion	Ratio	Lower	Upper
117	100		
119	75.0	77.9	116.9#
121	32.3	25.0	37.6

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#38

Trichloroethene

Concen: 0.029 ppbv m

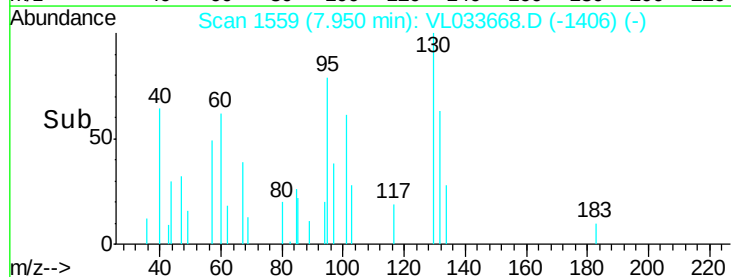
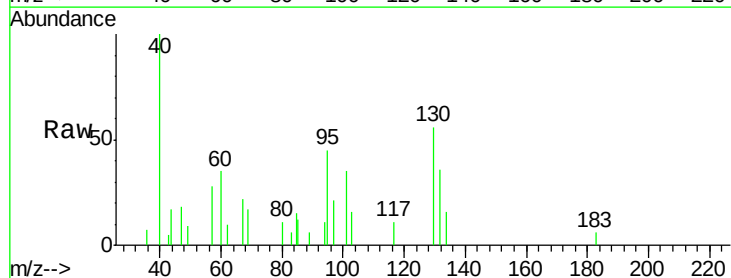
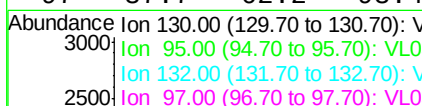
RT: 7.95 min Scan# 1559

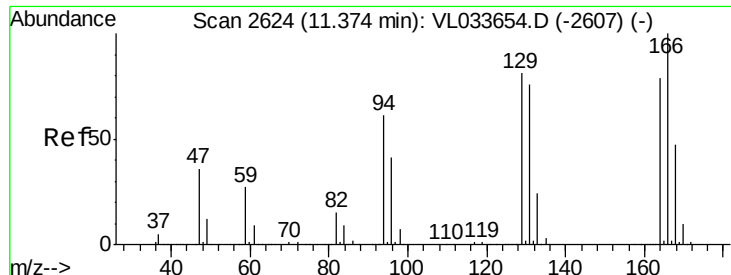
Delta R.T. -0.01 min

Lab File: VL033668.D

Acq: 6 May 2019 21:05

Tgt Ion:	130	Resp:	1890
Ion	Ratio	Lower	Upper
130	100		
95	79.3	93.4	140.0#
132	63.4	76.2	114.4#
97	37.7	62.2	93.4#





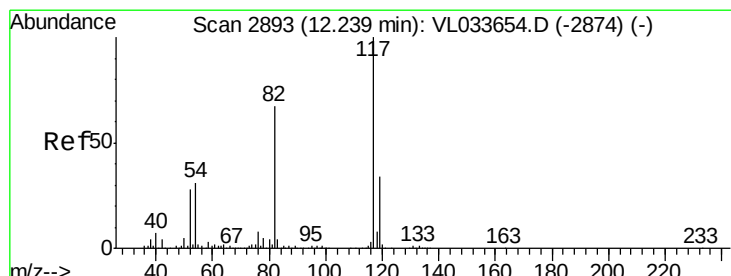
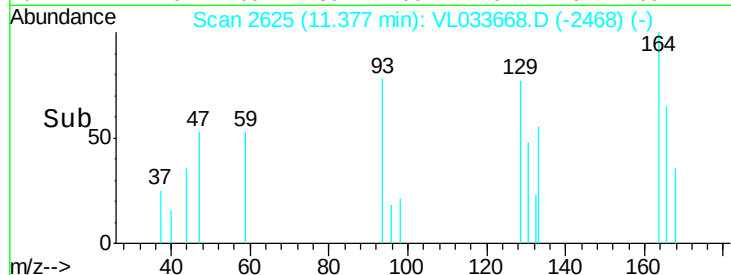
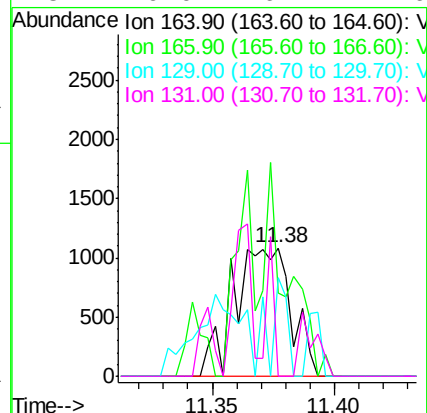
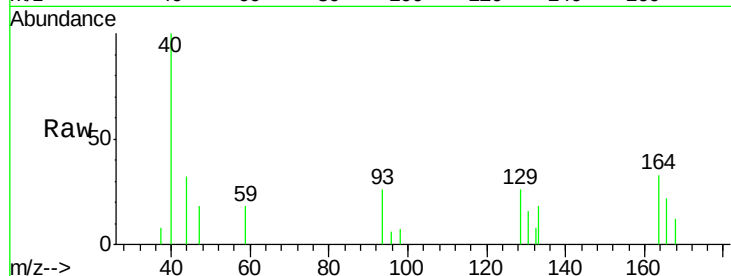
#52
Tetrachloroethene
Concen: 0.028 ppbv m
RT: 11.38 min Scan# 2625
Delta R.T. 0.00 min
Lab File: VL033668.D
Acq: 6 May 2019 21:05

Instrument :
MSVOA_L
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
164	100		
166	65.0	100.6	151.0#
129	77.1	81.0	121.6#
131	0.0	76.4	114.6#

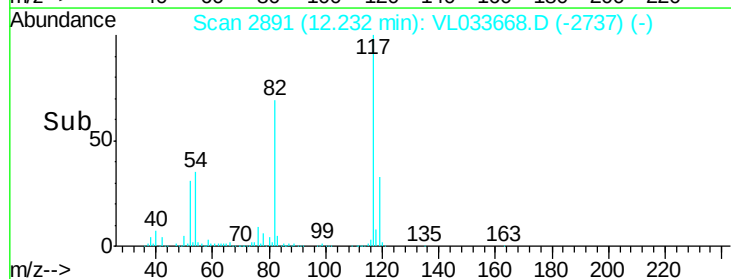
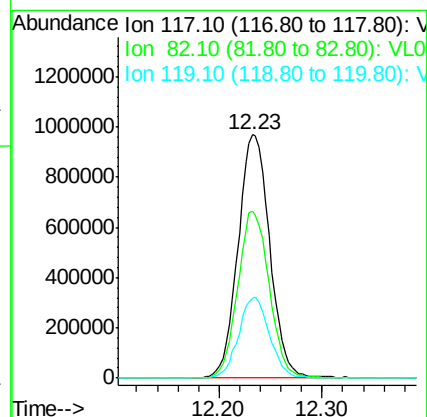
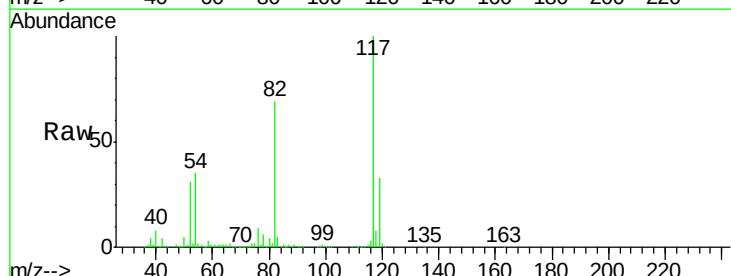
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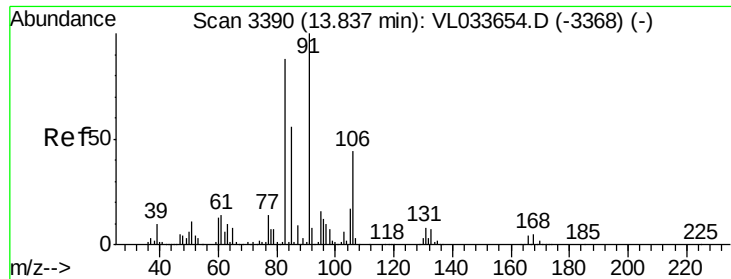
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#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.23 min Scan# 2891
Delta R.T. -0.01 min
Lab File: VL033668.D
Acq: 6 May 2019 21:05

Tgt Ion	Ratio	Lower	Upper
117	100		
82	68.4	49.7	74.5
119	32.5	24.8	37.2





#63

1,1,2,2-Tetrachloroethane

Concen: 0.040 ppbv m

RT: 13.84 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VL033668.D

Acq: 6 May 2019 21:05

Instrument :

MSVOA_L

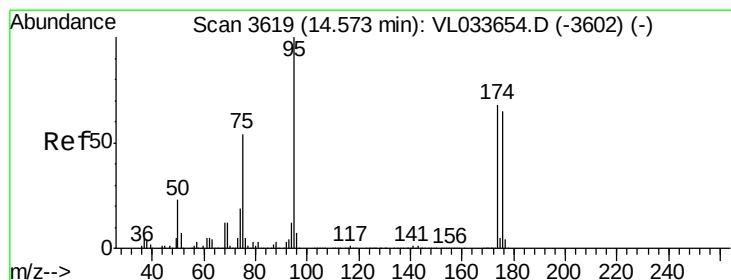
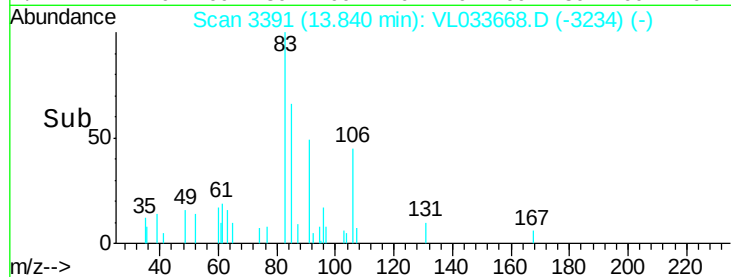
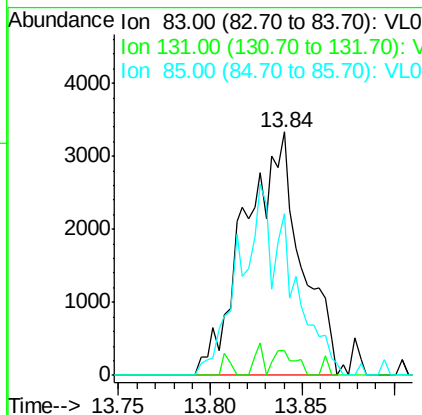
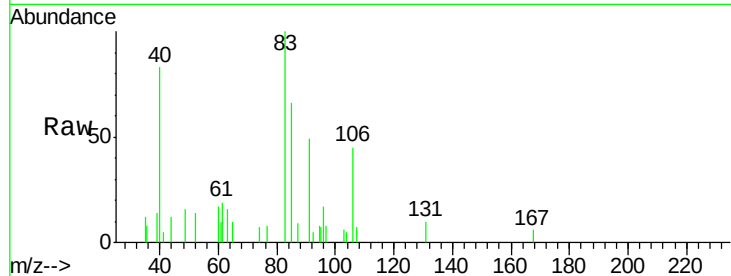
ClientSampleId :

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Tot Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.8	14.3#
85	70.9	32.5	97.4

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#68

1-Bromo-4-Fluorobenzene

Concen: 10.470 ppbv

RT: 14.57 min Scan# 3618

Delta R.T. -0.00 min

Lab File: VL033668.D

Acq: 6 May 2019 21:05

Tgt Ion	Ratio	Lower	Upper
95	100		
174	66.4	54.0	81.0
175	4.7	3.8	5.8

