

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL041918\
 Data File : VL031887.D
 Acq On : 19 Apr 2018 20:58
 Operator : SY/AP
 Sample : J2133-13 0.03 PPBV
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2018

Manual Integrations
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sam
 4/23/2018 12:50:39 PM

Quant Time: Apr 20 09:11:47 2018
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL041218AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Apr 13 16:50:02 2018
 QLast Update : Fri Apr 13 16:50:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.88	49	1088314	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.42	114	2498666	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.39	117	2487064	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.72	95	2010539	10.05	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.38	62	3537m	0.05	ppbv	
32) 1,1,1-Trichloroethane	6.75	97	8873m	0.04	ppbv	
35) Carbon Tetrachloride	7.27	117	9134m	0.04	ppbv	
38) Trichloroethene	8.10	130	3245m	0.04	ppbv	
52) Tetrachloroethene	11.51	164	3632m	0.04	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.99	83	10197m	0.04	ppbv	

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

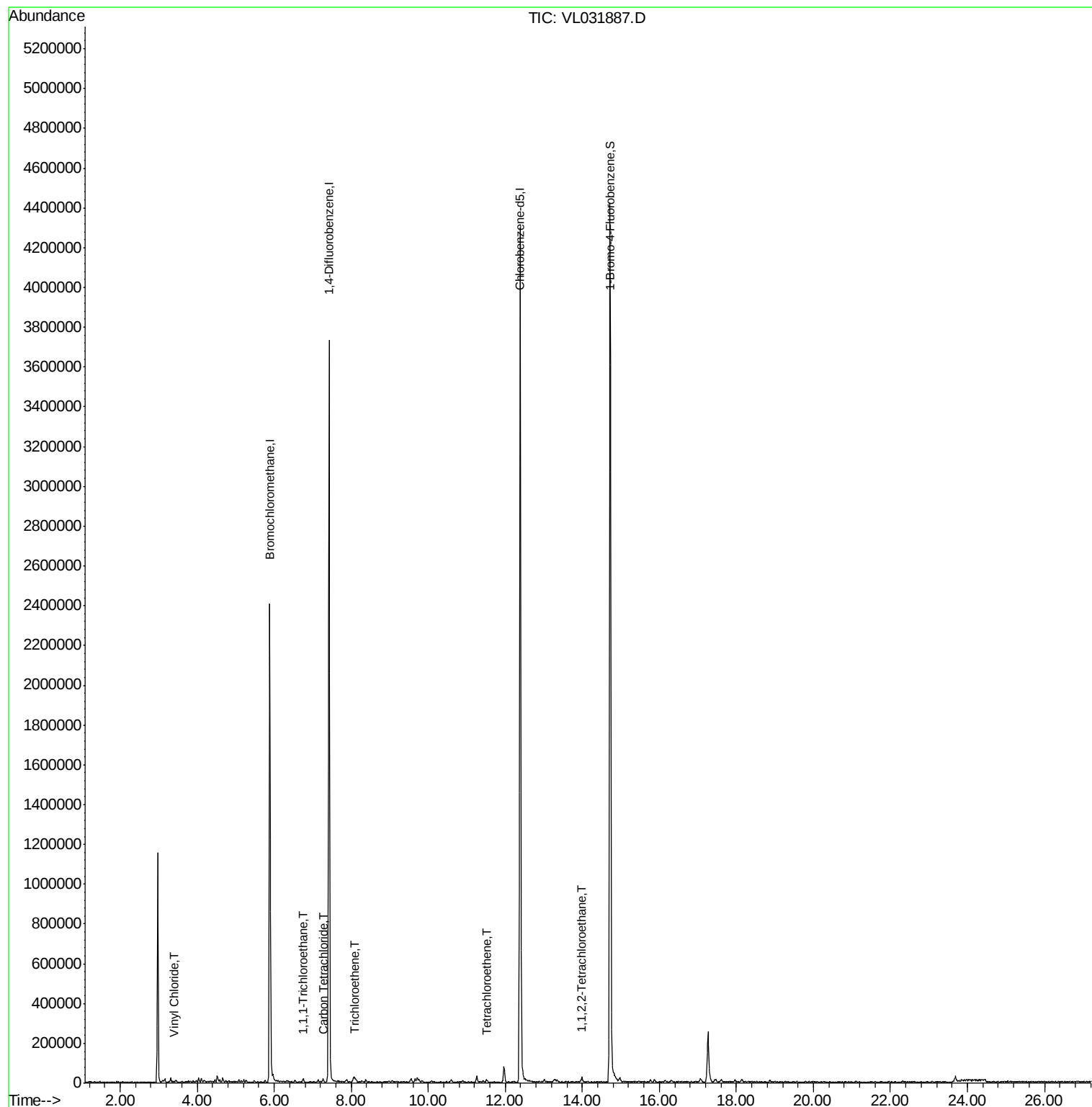
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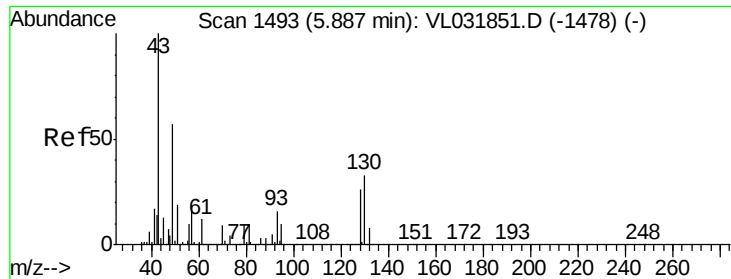
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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.88 min Scan# 1492

Delta R.T. -0.01 min

Lab File: VL031887.D

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Instrument :

MSVOA_L

ClientSampleId :

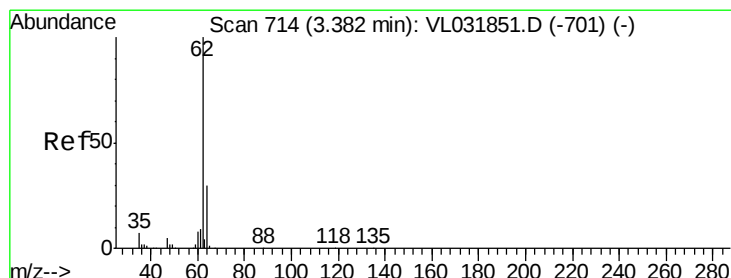
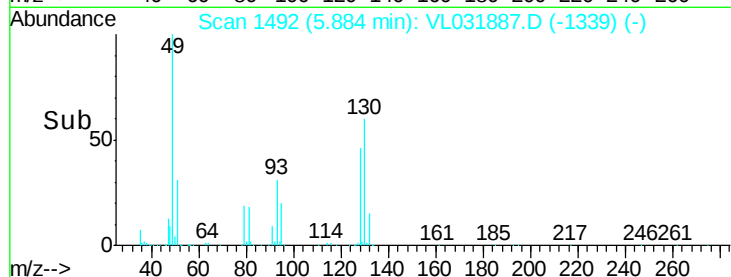
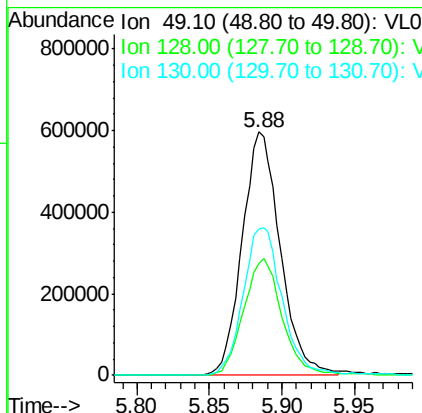
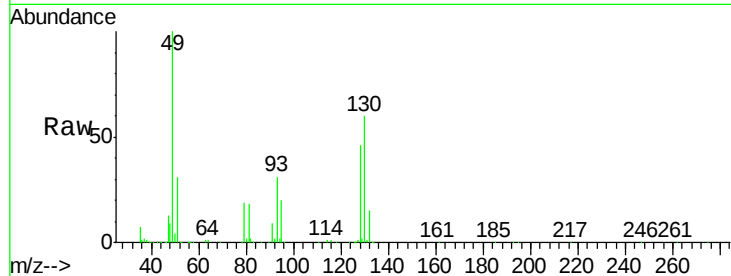
LOD-MDL-AIR-01-QT2-2018

Tot Ion: 49 Resp: 1088314

Ion	Ratio	Lower	Upper
49	100		
128	49.2	23.9	71.7
130	63.6	30.9	92.7

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#5

Vinyl Chloride

Concen: 0.05 ppbv m

RT: 3.38 min Scan# 714

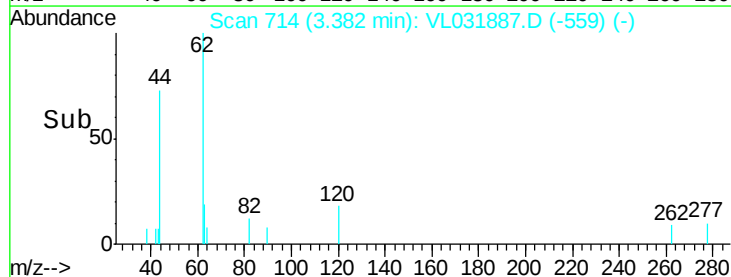
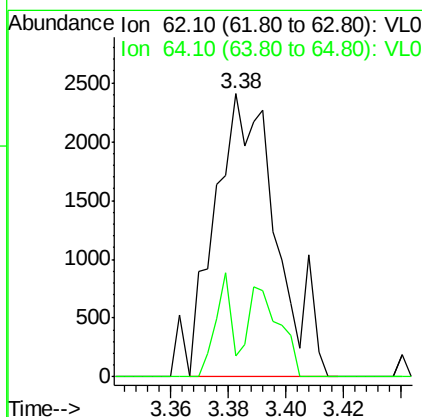
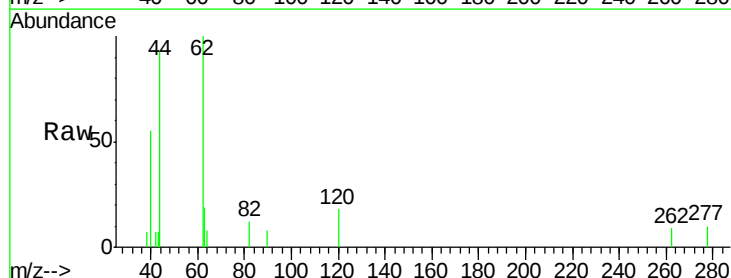
Delta R.T. -0.00 min

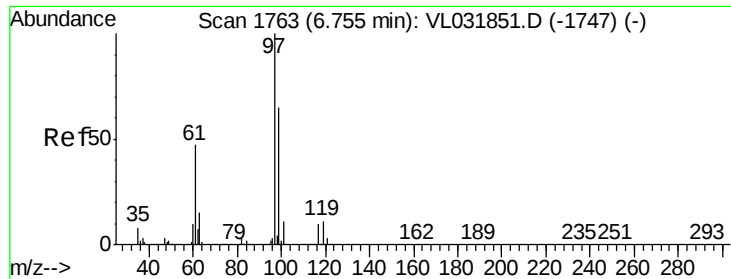
Lab File: VL031887.D

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Tgt Ion: 62 Resp: 3537

Ion	Ratio	Lower	Upper
62	100		
64	7.6	25.9	38.9





#32

1,1,1-Trichloroethane

Concen: 0.04 ppbv m

RT: 6.75 min Scan# 1761

Delta R.T. -0.01 min

Lab File: VL031887.D

Acq: 19 Apr 2018 20:58

Instrument :

MSVOA_L

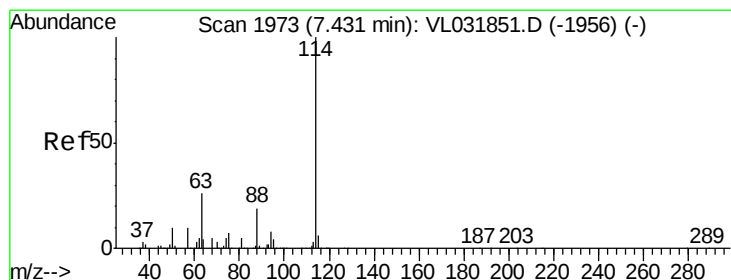
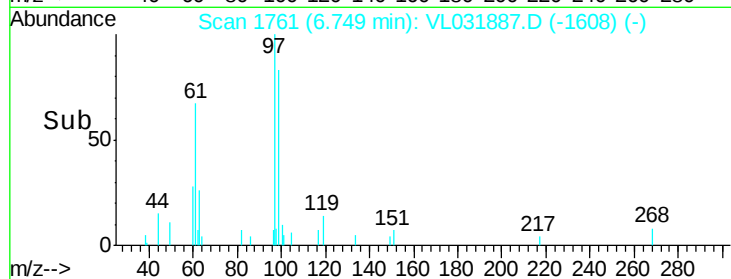
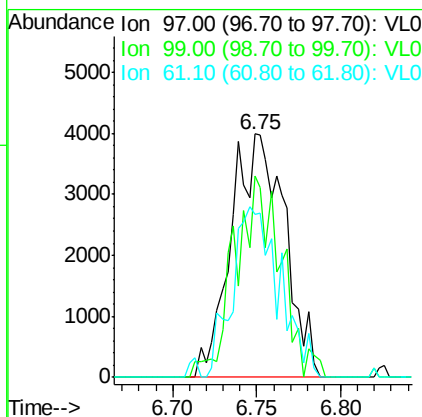
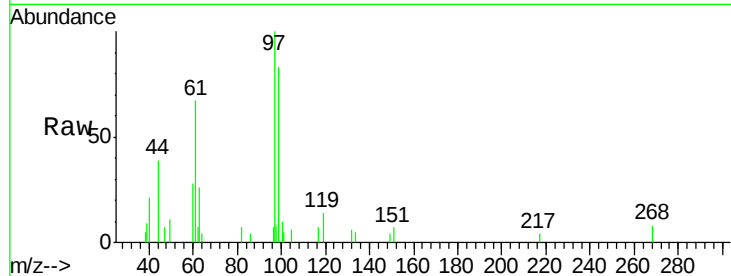
ClientSampleId :

LOD-MDL-AIR-01-QT2-2018

Tot Ion:	97	Resp:	8873
Ion	Ratio	Lower	Upper
97	100		
99	71.4	51.5	77.3
61	62.7	40.0	60.0#

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#33

1,4-Difluorobenzene

Concen: 10.00 ppbv

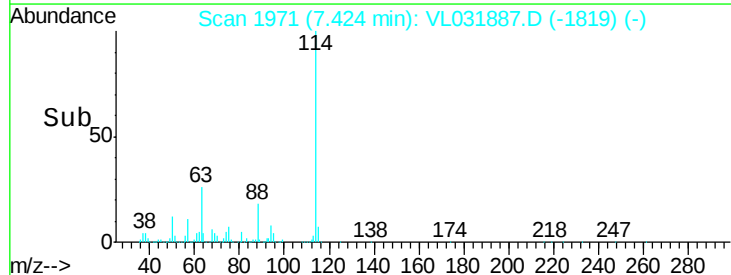
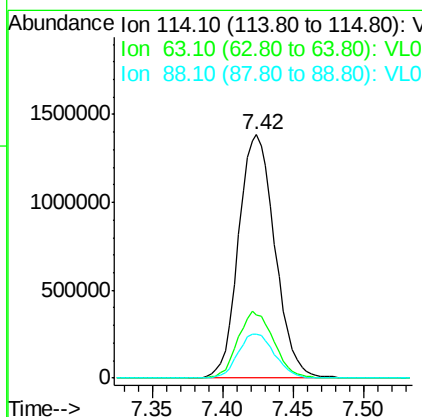
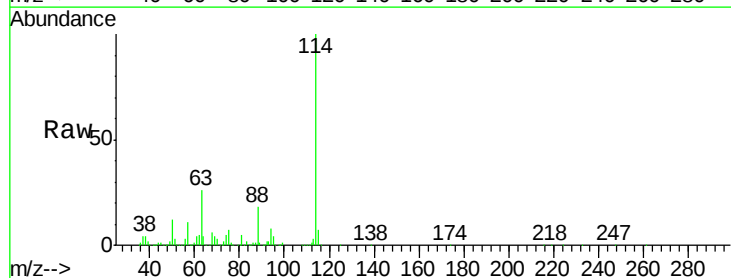
RT: 7.42 min Scan# 1971

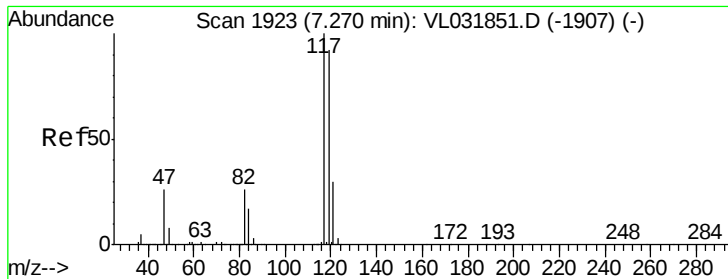
Delta R.T. -0.01 min

Lab File: VL031887.D

Acq: 19 Apr 2018 20:58

Tgt Ion:	114	Resp:	2498666
Ion	Ratio	Lower	Upper
114	100		
63	27.2	21.8	32.6
88	18.5	14.6	22.0





#35

Carbon Tetrachloride

Concen: 0.04 ppbv m

RT: 7.27 min Scan# 1923

Delta R.T. -0.00 min

Lab File: VL031887.D

Acq: 19 Apr 2018 20:58

Instrument :

MSVOA_L

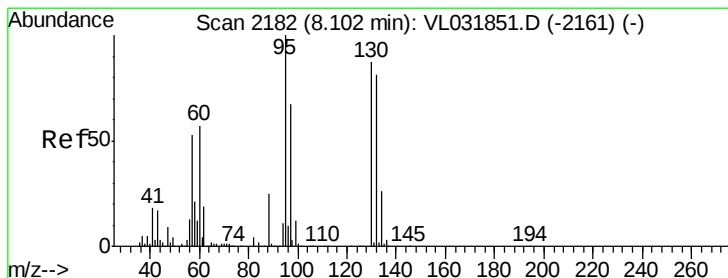
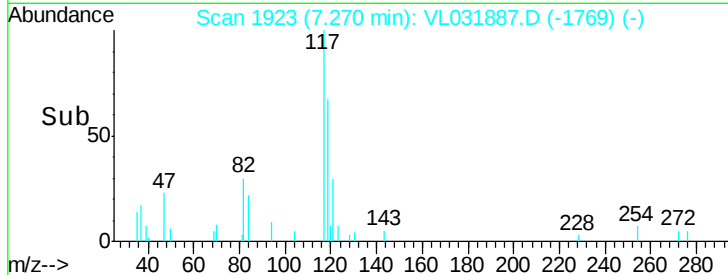
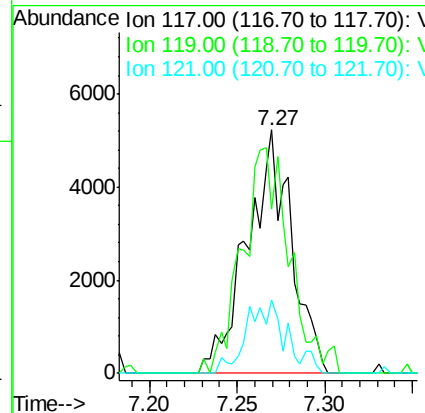
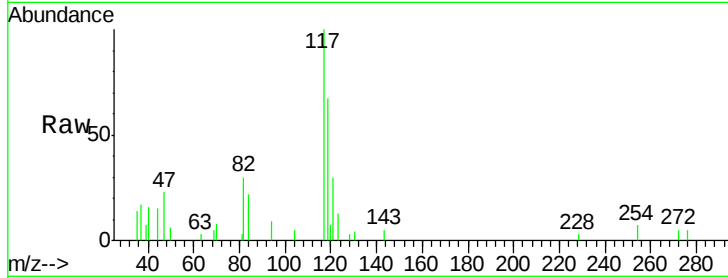
ClientSampleId :

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Tot Ion:	117	Resp:	9134
Ion Ratio	Lower	Upper	
117	100		
119	67.5	76.9	115.3#
121	29.9	24.5	36.7

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#38

Trichloroethene

Concen: 0.04 ppbv m

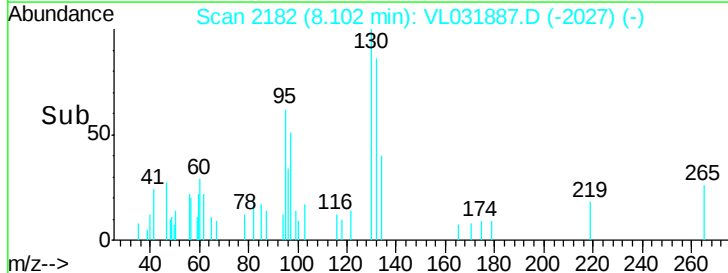
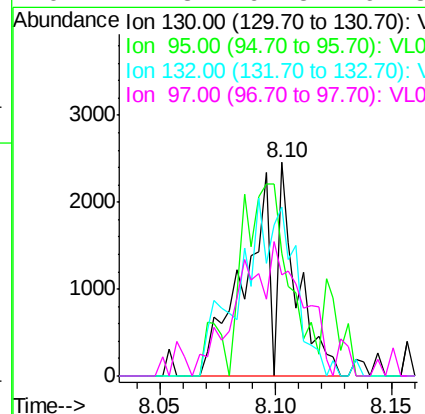
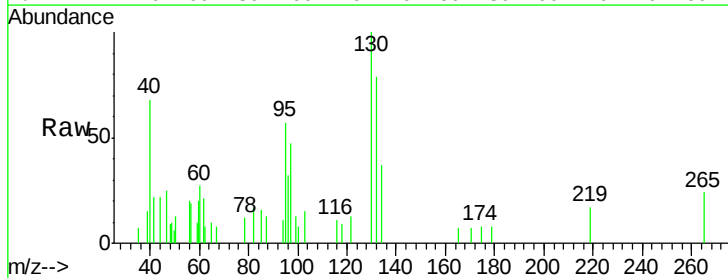
RT: 8.10 min Scan# 2182

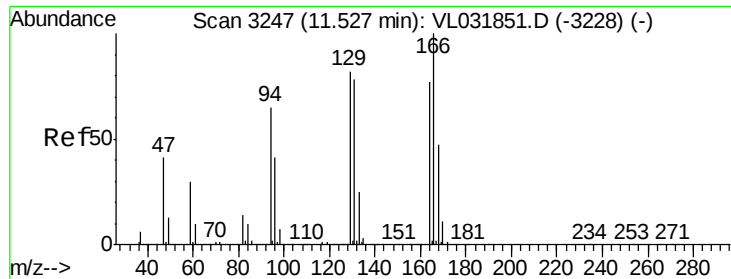
Delta R.T. -0.00 min

Lab File: VL031887.D

Acq: 19 Apr 2018 20:58

Tgt Ion:	130	Resp:	3245
Ion Ratio	Lower	Upper	
130	100		
95	57.4	96.6	144.8#
132	79.4	79.1	118.7
97	47.3	61.5	92.3#





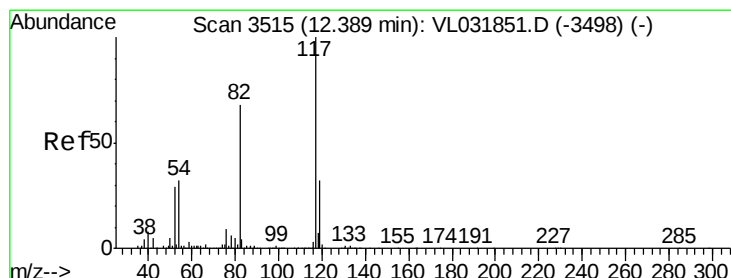
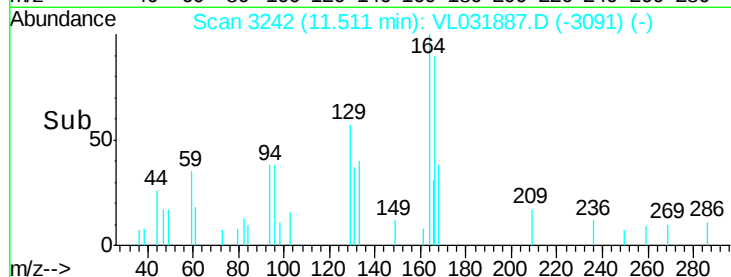
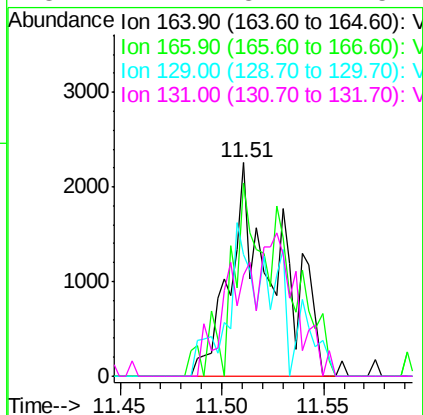
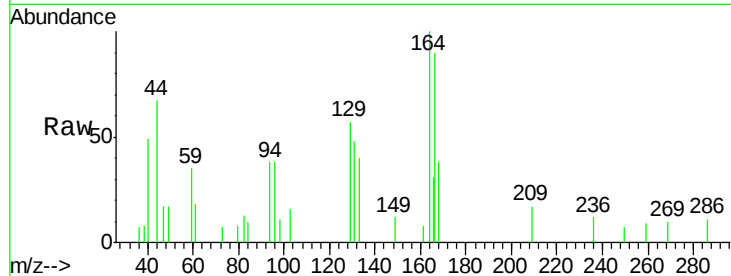
#52
Tetrachloroethene
Concen: 0.04 ppbv m
RT: 11.51 min Scan# 3242
Delta R.T. -0.01 min
Lab File: VL031887.D
Acq: 19 Apr 2018 20:58

Instrument :
MSVOA_L
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
164	100		
166	90.4	98.2	147.4#
129	57.1	86.5	129.7#
131	47.7	82.2	123.2#

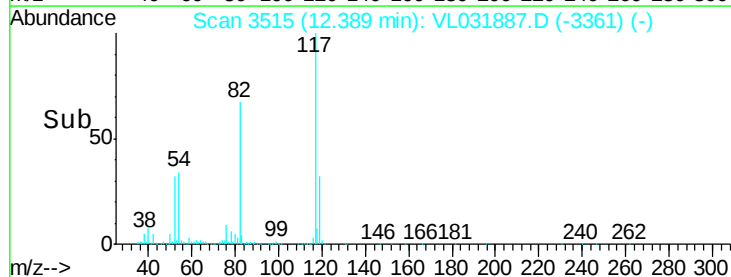
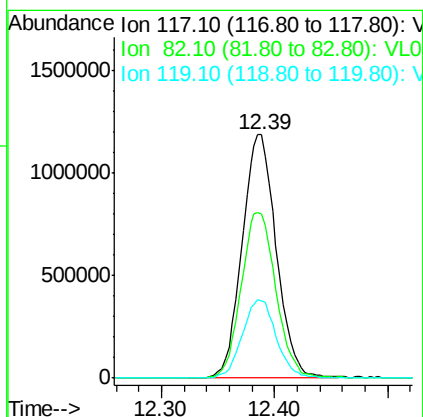
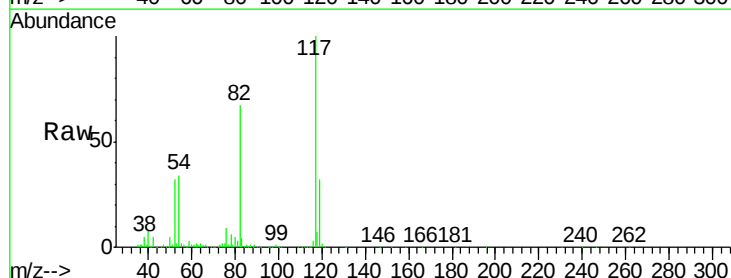
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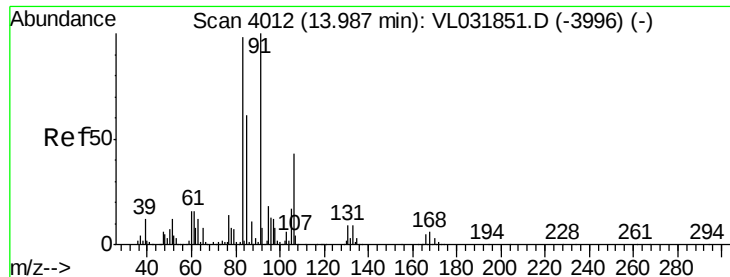
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#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.39 min Scan# 3515
Delta R.T. -0.00 min
Lab File: VL031887.D
Acq: 19 Apr 2018 20:58

Tgt Ion	Ratio	Lower	Upper
117	100		
82	69.9	54.6	81.8
119	32.4	26.0	39.0





#63

1,1,2,2-Tetrachloroethane

Concen: 0.04 ppbv m

RT: 13.99 min Scan# 4013

Delta R.T. -0.00 min

Lab File: VL031887.D

Acq: 19 Apr 2018 20:58

Instrument :

MSVOA_L

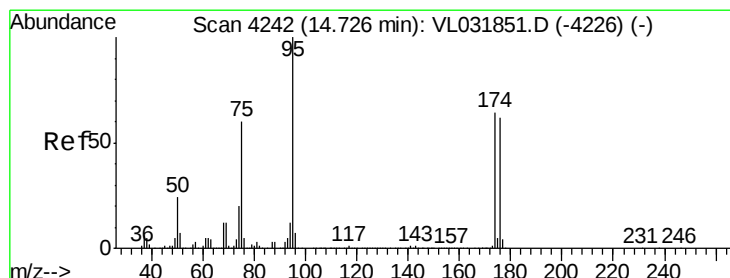
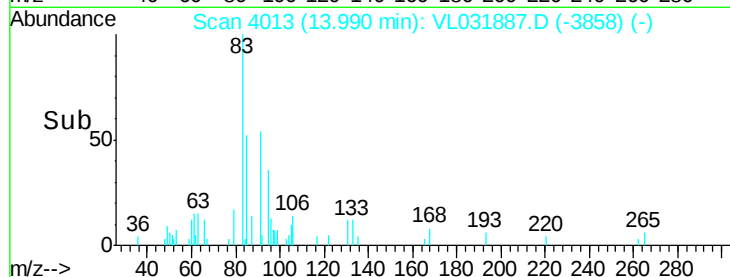
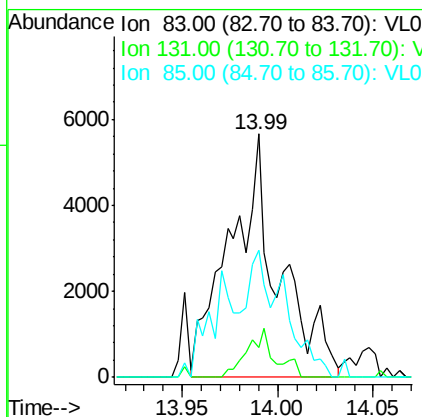
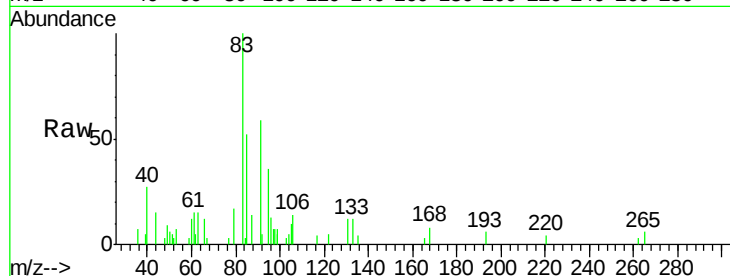
ClientSampleId :

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Tot Ion:	83	Resp:	10197
Ion Ratio	Lower	Upper	
83	100		
131	11.3	4.9	14.6
85	62.6	32.2	96.6

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#68

1-Bromo-4-Fluorobenzene

Concen: 10.05 ppbv

RT: 14.72 min Scan# 4240

Delta R.T. -0.01 min

Lab File: VL031887.D

Acq: 19 Apr 2018 20:58

Tgt Ion:	95	Resp:	2010539
Ion Ratio	Lower	Upper	
95	100		
174	66.2	52.3	78.5
175	4.7	3.9	5.9

