

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL020519\
 Data File : VL033173.D
 Acq On : 6 Feb 2019 4:24
 Operator : SY/AP
 Sample : VSTDIC0.1
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

Manual Integrations
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 2/20/2019 12:21:58 PM

Quant Time: Feb 20 05:56:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL020519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Feb 20 05:56:59 2019
 QLast Update : Wed Feb 20 05:04:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	968950	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2608690	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2587316	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	2065194	10.24	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Vinyl Chloride	3.30	62	7078m	0.110	ppbv	
32) 1,1,1-Trichloroethane	6.62	97	19372m	0.100	ppbv	
35) Carbon Tetrachloride	7.13	117	19123	0.096	ppbv	# 78
38) Trichloroethene	7.96	130	12890m	0.114	ppbv	
52) Tetrachloroethene	11.38	164	11024m	0.109	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.84	83	27461m	0.102	ppbv	

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

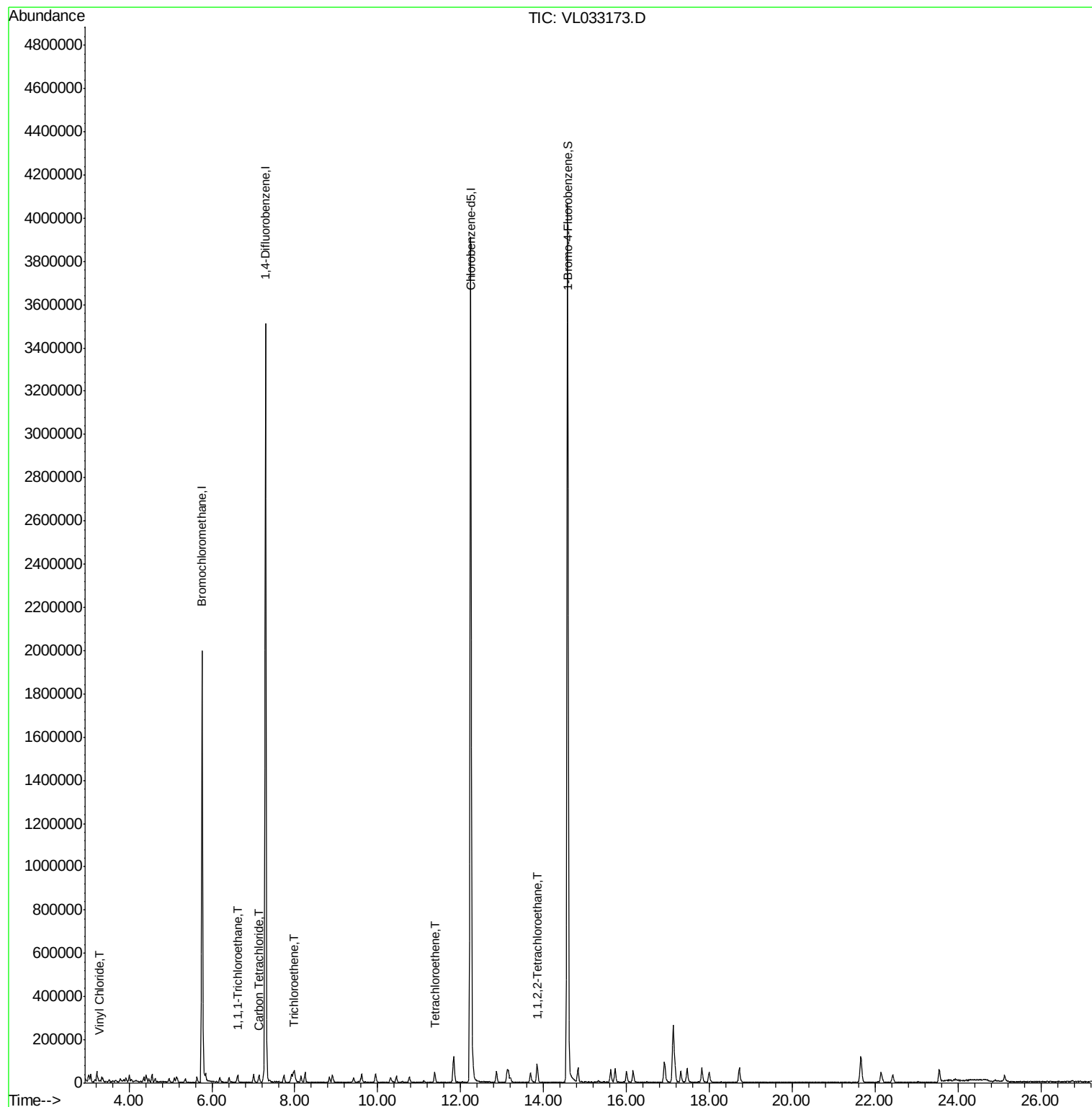
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL020519\
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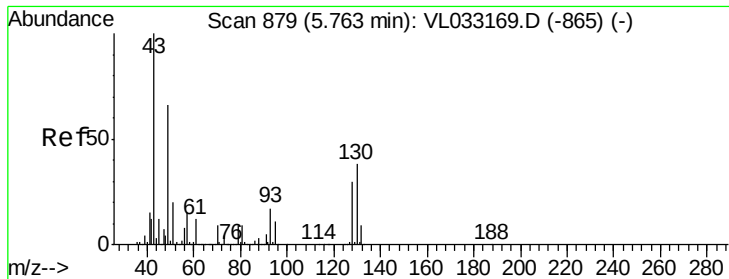
Instrument :
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ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL020519AIR.M
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QLast Update : Wed Feb 20 05:04:48 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 878

Delta R.T. -0.00 min

Lab File: VL033173.D

Acq: 6 Feb 2019 4:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

Tgt Ion: 49 Resp: 968950
Ion Ratio Lower Upper

49 100

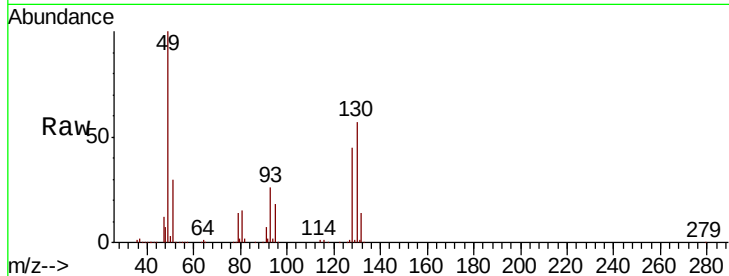
128 46.7 23.6 71.0

130 59.2 30.3 91.0

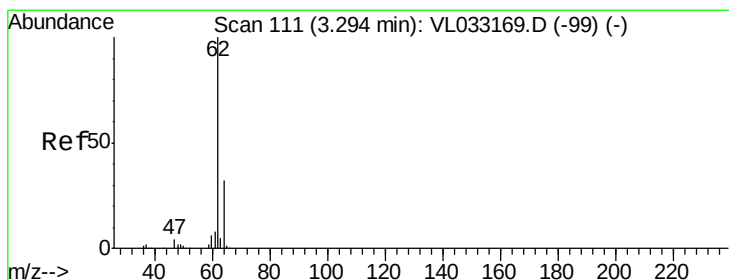
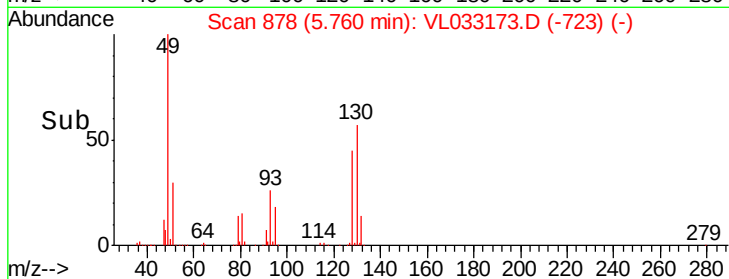
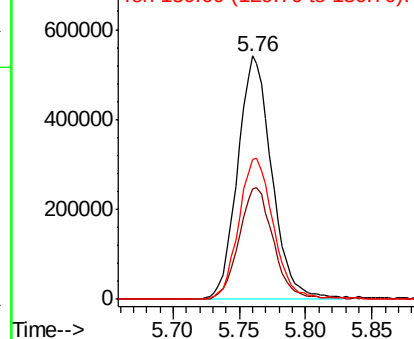
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Abundance Ion 49.10 (48.80 to 49.80): VL0
Ion 128.00 (127.70 to 128.70): V
Ion 130.00 (129.70 to 130.70): V



#5

Vinyl Chloride

Concen: 0.110 ppbv m

RT: 3.30 min Scan# 112

Delta R.T. 0.00 min

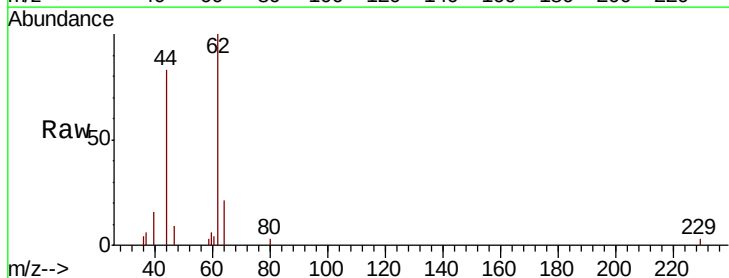
Lab File: VL033173.D

Acq: 6 Feb 2019 4:24

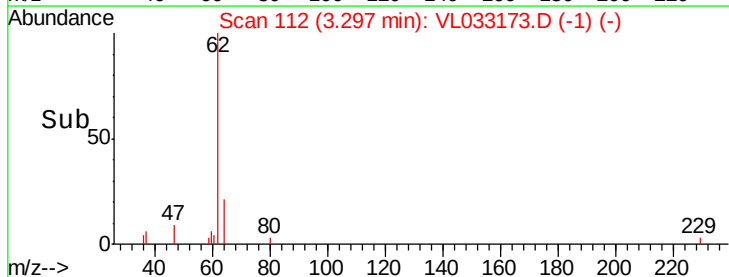
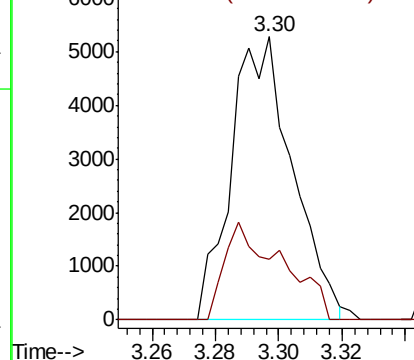
Tgt Ion: 62 Resp: 7078
Ion Ratio Lower Upper

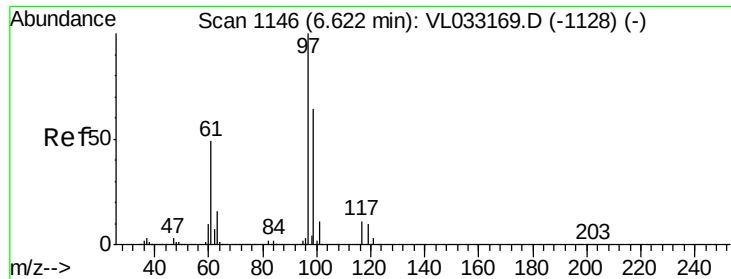
62 100

64 21.3 25.6 38.4#



Abundance Ion 62.10 (61.80 to 62.80): VL0
Ion 64.10 (63.80 to 64.80): VL0





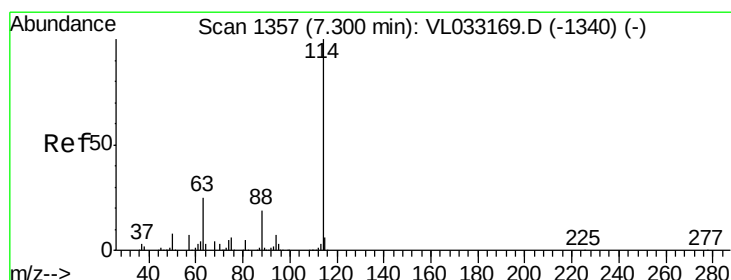
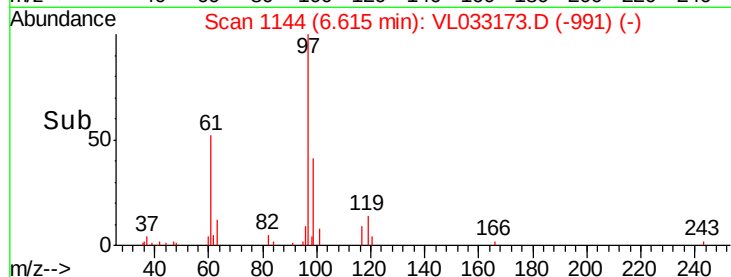
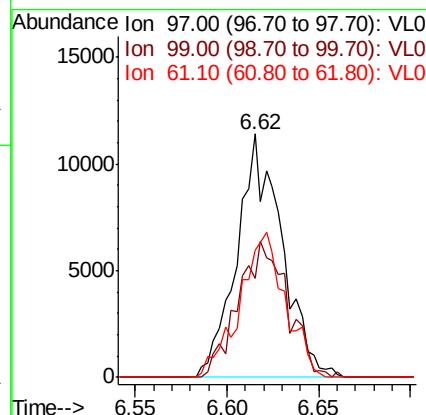
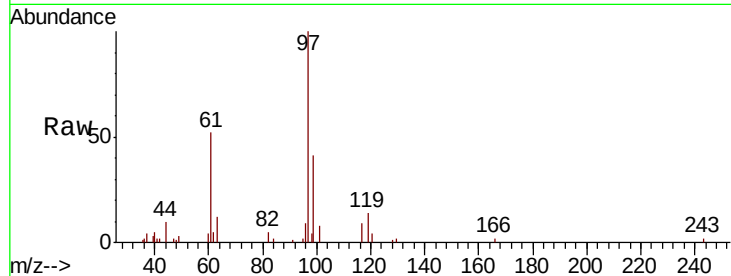
#32
 1,1,1-Trichloroethane
 Concen: 0.100 ppbv m
 RT: 6.62 min Scan# 1144
 Delta R.T. -0.01 min
 Lab File: VL033173.D
 Acq: 6 Feb 2019 4:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

Tgt Ion	Ratio	Lower	Upper
97	100		
99	61.4	51.4	77.2
61	60.4	38.8	58.2

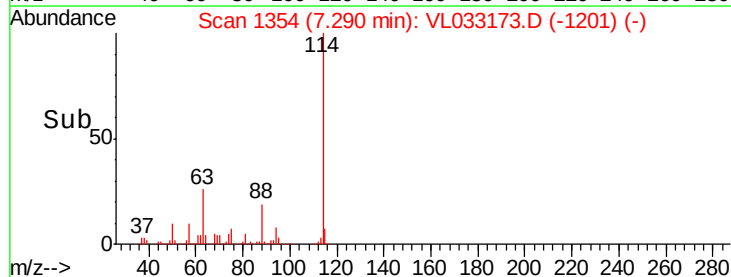
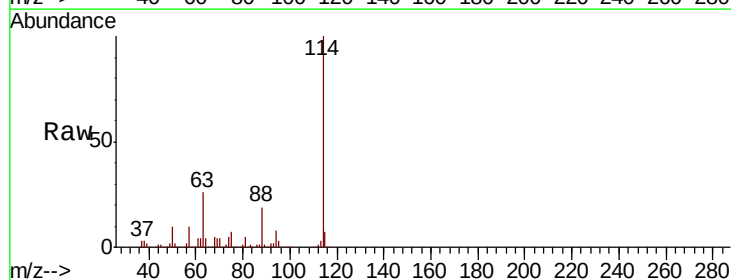
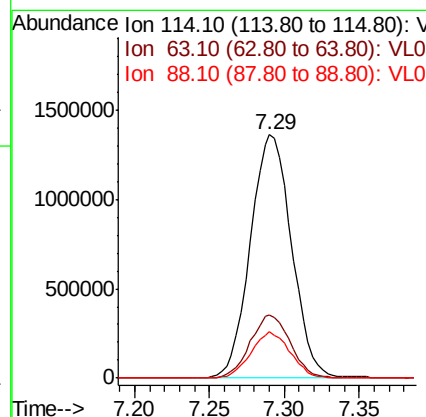
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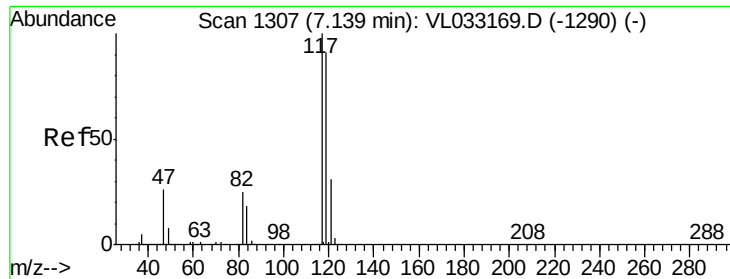
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#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1354
 Delta R.T. -0.01 min
 Lab File: VL033173.D
 Acq: 6 Feb 2019 4:24

Tgt Ion	Ratio	Lower	Upper
114	100		
63	25.5	20.8	31.2
88	18.3	14.6	22.0





#35

Carbon Tetrachloride

Concen: 0.096 ppbv

RT: 7.13 min Scan# 1305

Delta R.T. -0.01 min

Lab File: VL033173.D

Acq: 6 Feb 2019 4:24

Instrument :

MSVOA_L

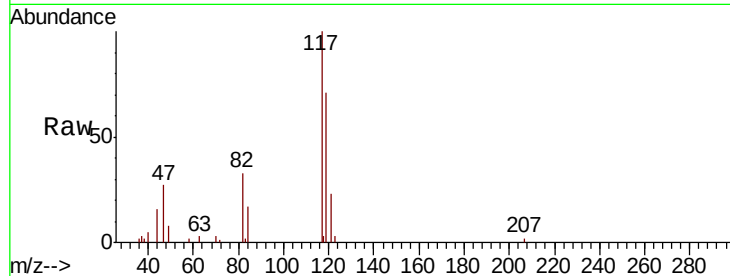
ClientSampleId :

VSTDIC0.1

Tgt Ion:	117	Resp:	19123
Ion Ratio		Lower	Upper
117	100		
119	68.7	73.0	109.6#
121	22.0	25.1	37.7#

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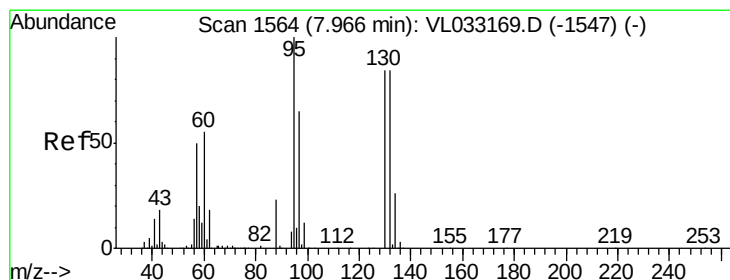
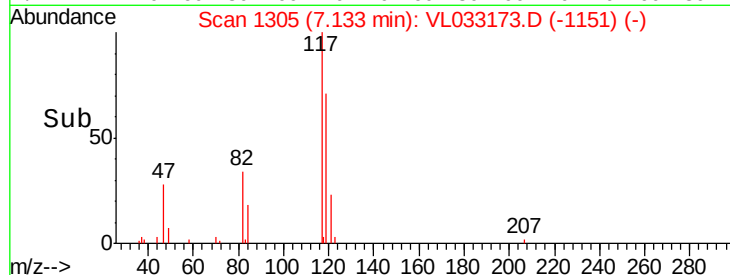
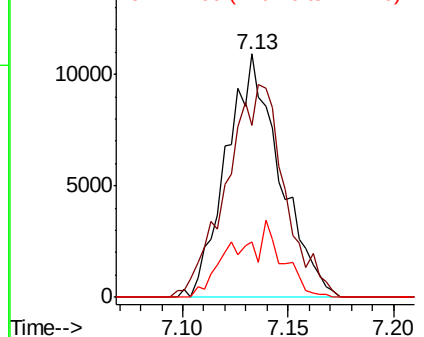


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#38

Trichloroethene

Concen: 0.114 ppbv m

RT: 7.96 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VL033173.D

Acq: 6 Feb 2019 4:24

Tgt Ion:	130	Resp:	12890
Ion Ratio		Lower	Upper
130	100		
95	106.5	95.5	143.3
132	73.8	80.0	120.0#
97	46.9	62.2	93.2#

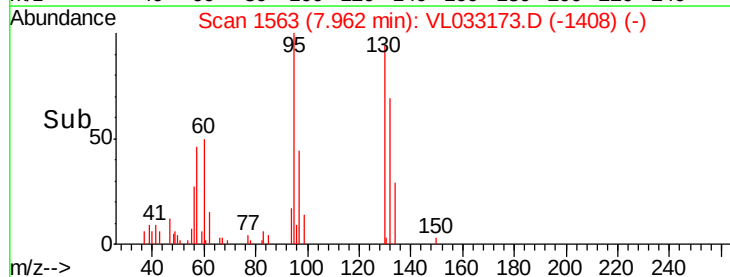
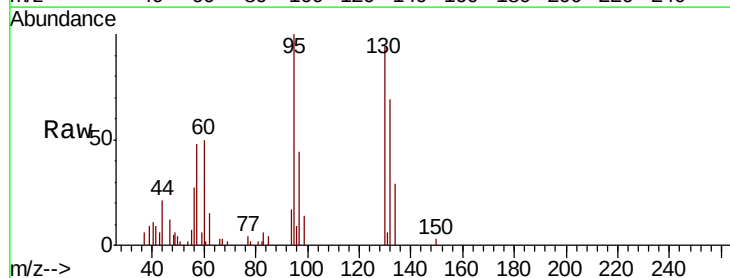
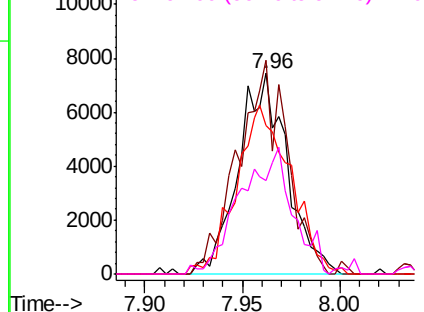
Abundance

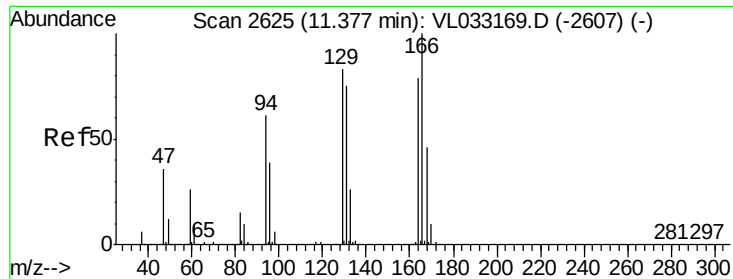
Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): V

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): V





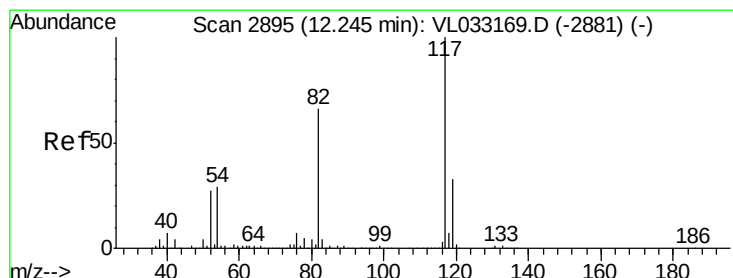
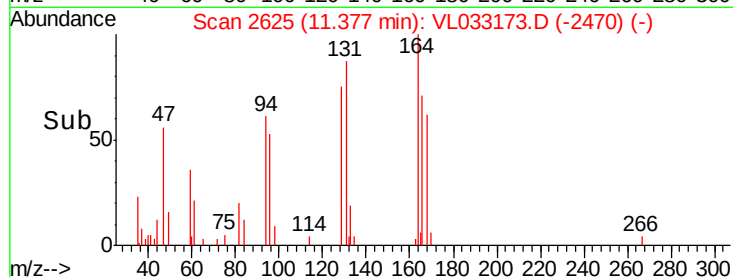
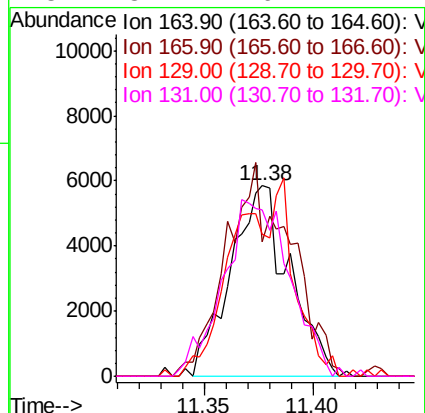
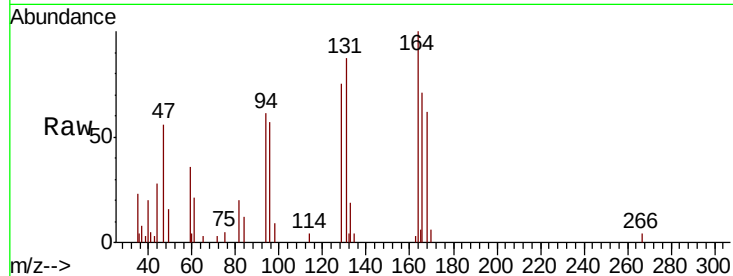
#52
Tetrachloroethene
Concen: 0.109 ppbv m
RT: 11.38 min Scan# 2625
Delta R.T. -0.00 min
Lab File: VL033173.D
Acq: 6 Feb 2019 4:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

Tgt Ion:	164	Resp:	11024
Ion Ratio	Lower	Upper	
164	100		
166	70.7	100.9	151.3#
129	74.8	83.9	125.9#
131	87.1	76.2	114.2

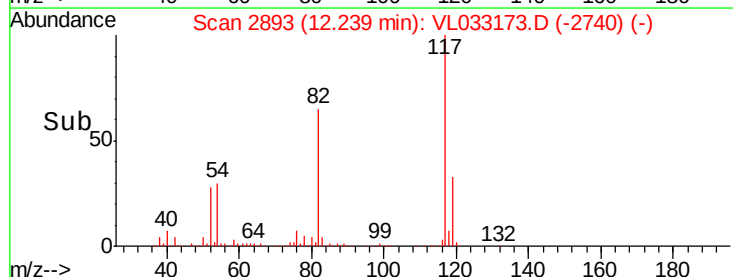
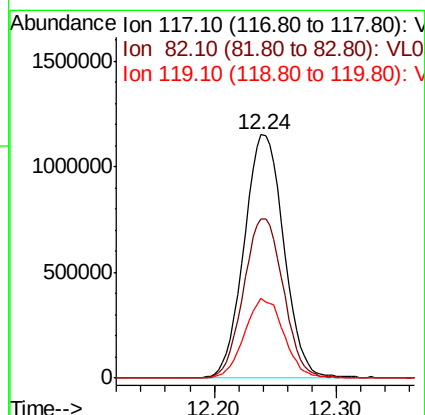
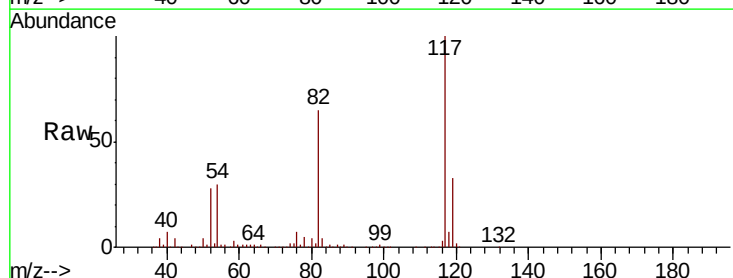
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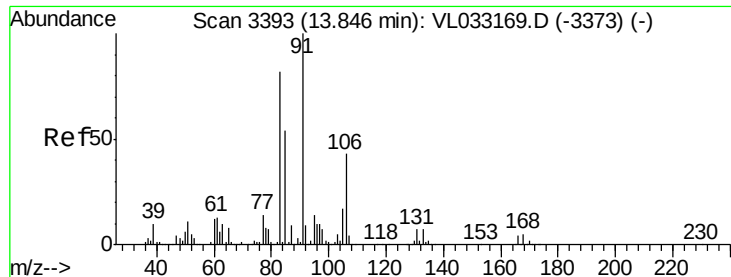
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#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2893
Delta R.T. -0.01 min
Lab File: VL033173.D
Acq: 6 Feb 2019 4:24

Tgt Ion:	117	Resp:	2587316
Ion Ratio	Lower	Upper	
117	100		
82	65.9	53.8	80.8
119	32.6	46.9	70.3#





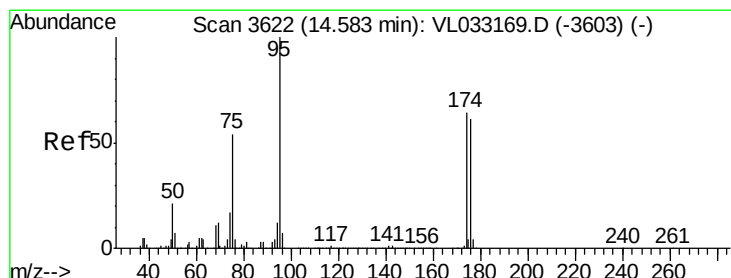
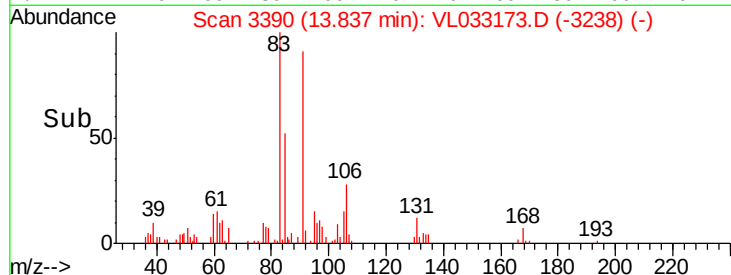
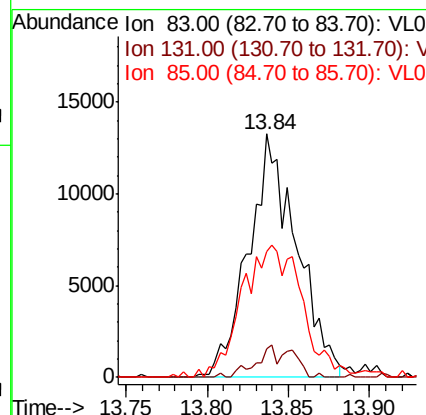
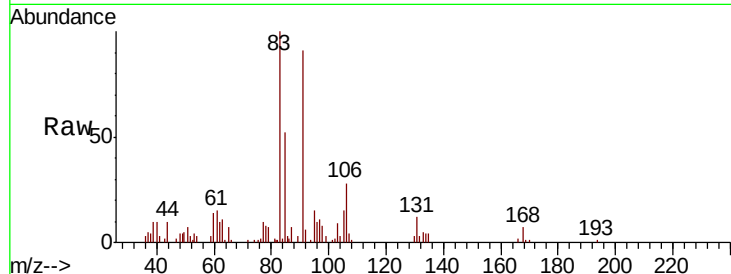
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.102 ppbv m
 RT: 13.84 min Scan# 3390
 Delta R.T. -0.01 min
 Lab File: VL033173.D
 Acq: 6 Feb 2019 4:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	27461		
131	9.7	4.8	14.3	
85	68.7	32.8	98.3	

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#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.241 ppbv
 RT: 14.58 min Scan# 3620
 Delta R.T. -0.01 min
 Lab File: VL033173.D
 Acq: 6 Feb 2019 4:24

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	2065194		
174	64.3	51.1	76.7	
175	4.8	3.8	5.6	

