

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050119\
 Data File : VL033619.D
 Acq On : 1 May 2019 15:09
 Operator : SY/AP
 Sample : VSTDIC0.03
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

Manual Integrations
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 5/2/2019 4:04:07 PM

Quant Time: May 02 05:31:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050119AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May 02 04:03:11 2019
 QLast Update : Thu May 02 04:03:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.75	49	1043007	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	2438900	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	2494113	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	2044104	10.69	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.28	62	2743m	0.038	ppbv	
32) 1,1,1-Trichloroethane	6.60	97	6515m	0.033	ppbv	
35) Carbon Tetrachloride	7.12	117	6268m	0.032	ppbv	
38) Trichloroethene	7.96	130	2546m	0.031	ppbv	
52) Tetrachloroethene	11.37	164	2453m	0.031	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.82	83	6759m	0.034	ppbv	

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

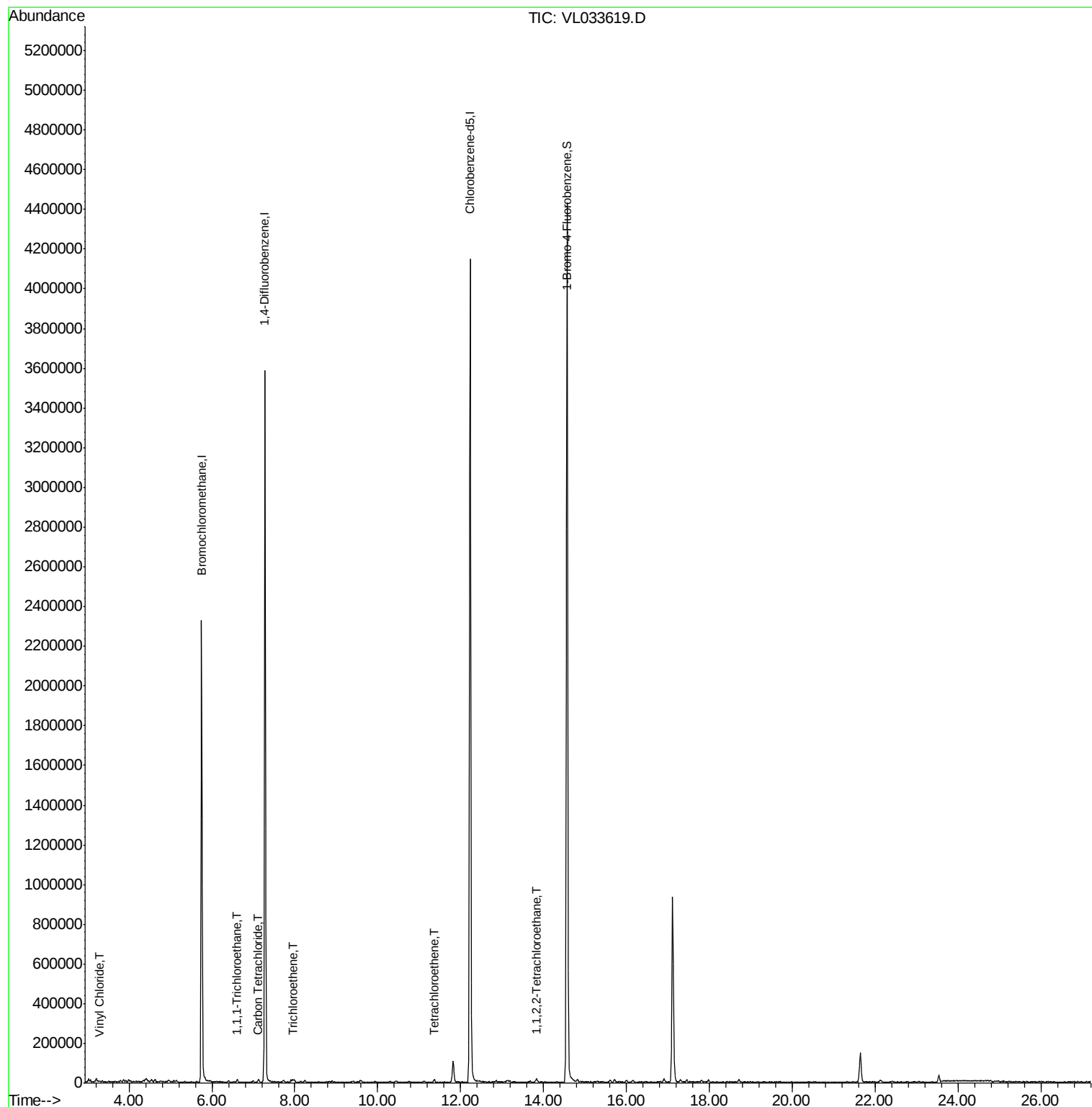
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL050119\
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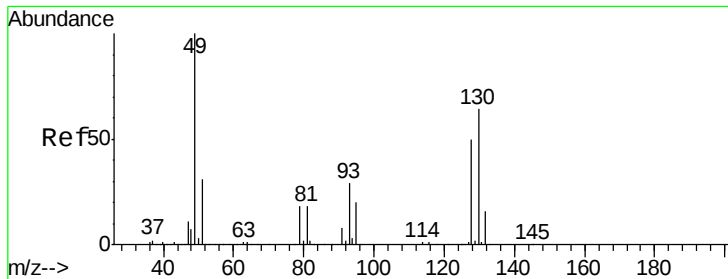
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

Manual Integrations
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#1

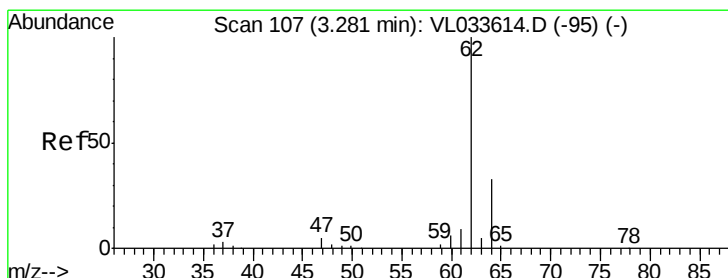
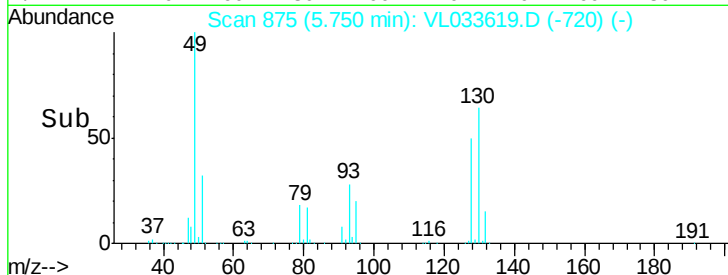
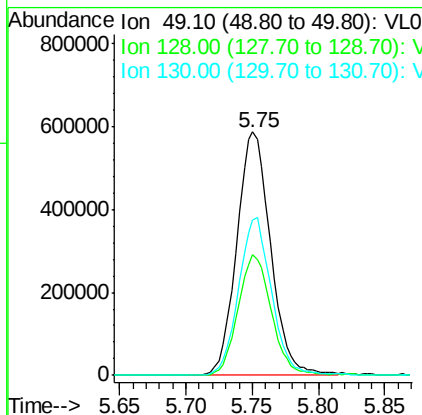
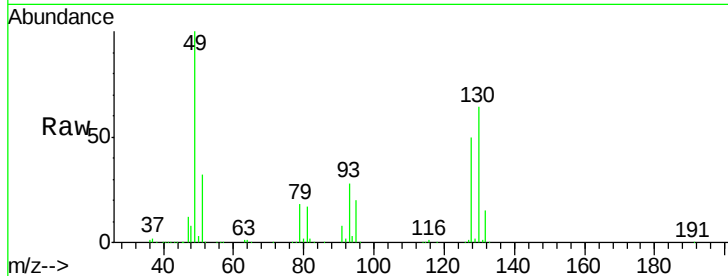
Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.75 min Scan# 875
 Delta R.T. -0.00 min
 Lab File: VL033619.D
 Acq: 1 May 2019 15:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

Tot Ion	Ratio	Lower	Upper
49	100		
128	48.9	25.0	75.0
130	63.3	31.9	95.9

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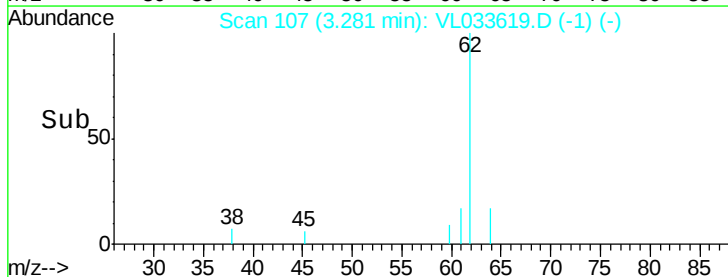
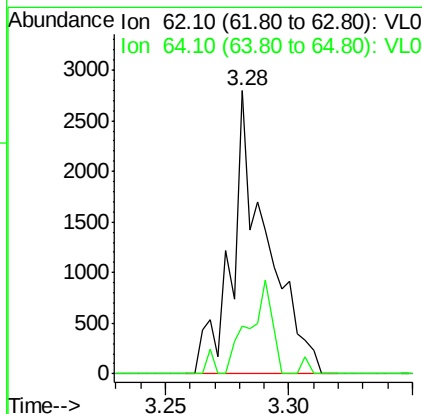
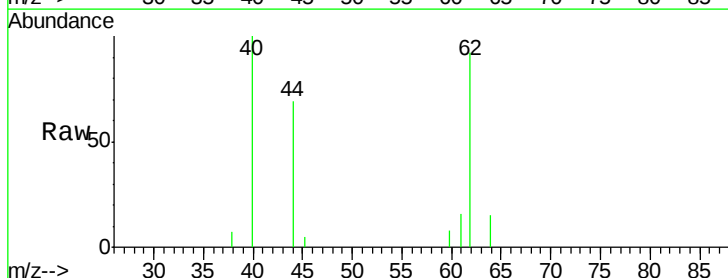
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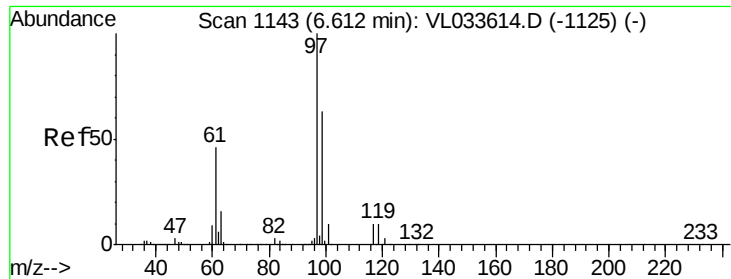


#5

Vinyl Chloride
 Concen: 0.038 ppbv m
 RT: 3.28 min Scan# 107
 Delta R.T. 0.00 min
 Lab File: VL033619.D
 Acq: 1 May 2019 15:09

Tgt Ion	Ratio	Lower	Upper
62	100		
64	16.7	26.2	39.4





#32

1,1,1-Trichloroethane

Concen: 0.033 ppbv m

RT: 6.60 min Scan# 1139

Delta R.T. -0.01 min

Lab File: VL033619.D

Acq: 1 May 2019 15:09

Instrument :

MSVOA_L

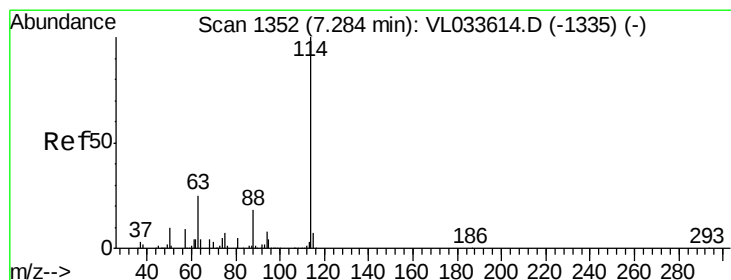
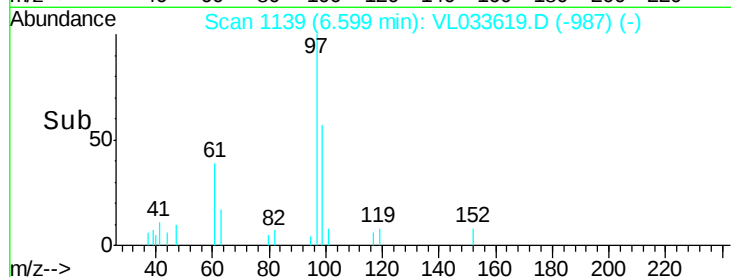
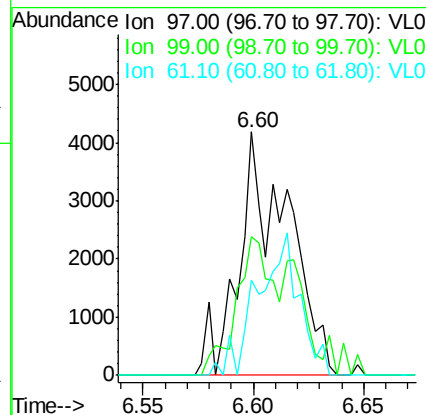
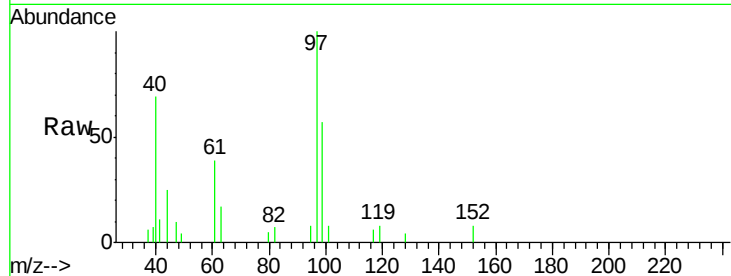
ClientSampleId :

VSTDIC0.03

Tot Ion:	97	Resp:	6515
Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.9	77.9#
61	0.0	38.2	57.2#

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

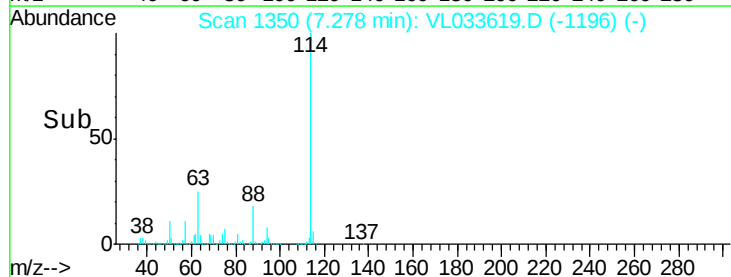
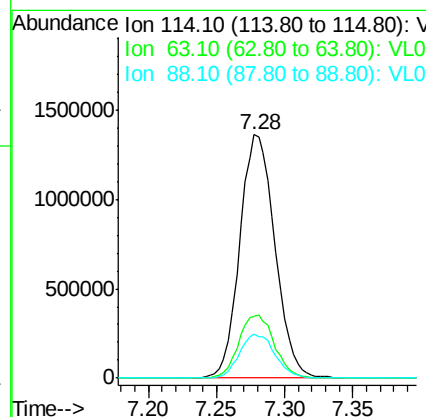
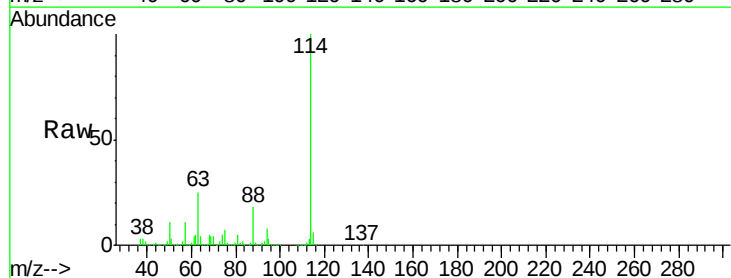
RT: 7.28 min Scan# 1350

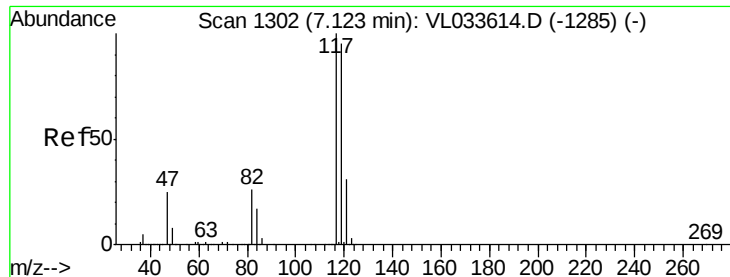
Delta R.T. -0.01 min

Lab File: VL033619.D

Acq: 1 May 2019 15:09

Tgt Ion:	114	Resp:	2438900
Ion	Ratio	Lower	Upper
114	100		
63	26.4	21.1	31.7
88	18.2	14.2	21.4





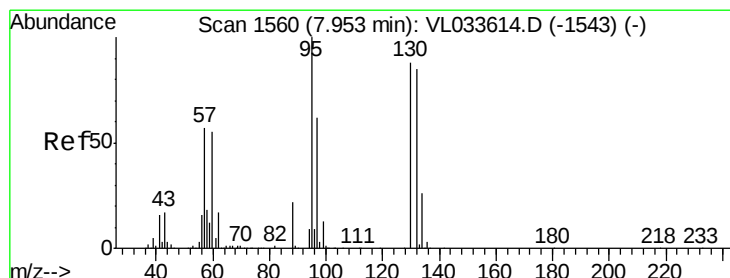
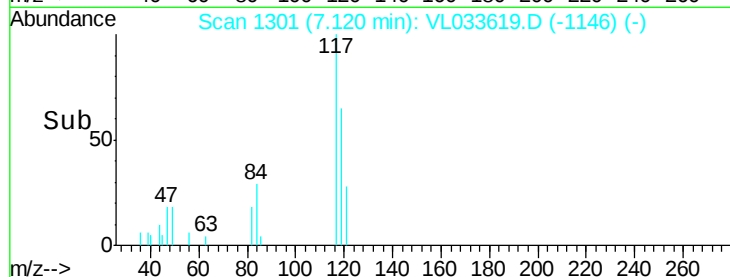
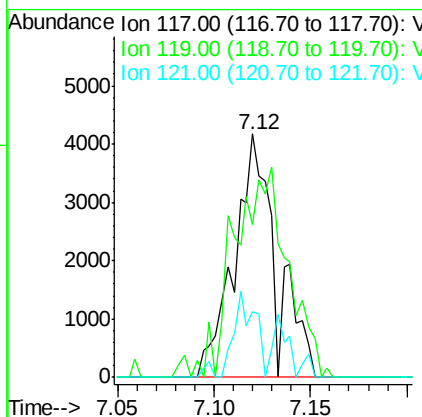
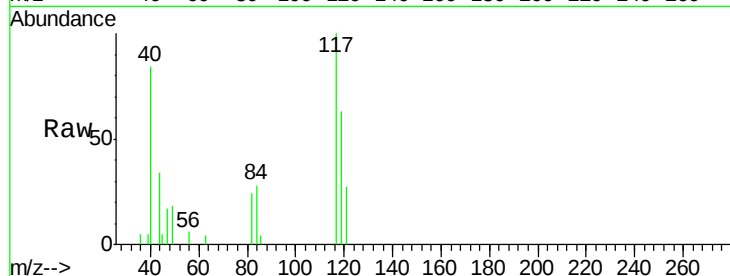
#35
Carbon Tetrachloride
Concen: 0.032 ppbv m
RT: 7.12 min Scan# 1301
Delta R.T. -0.00 min
Lab File: VL033619.D
Acq: 1 May 2019 15:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

Tot Ion	Ratio	Lower	Upper
117	100		
119	62.7	76.2	114.4#
121	27.1	24.9	37.3

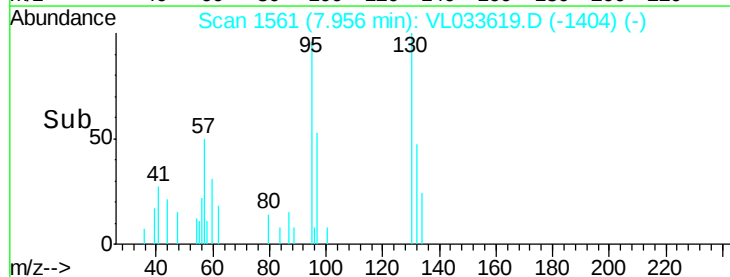
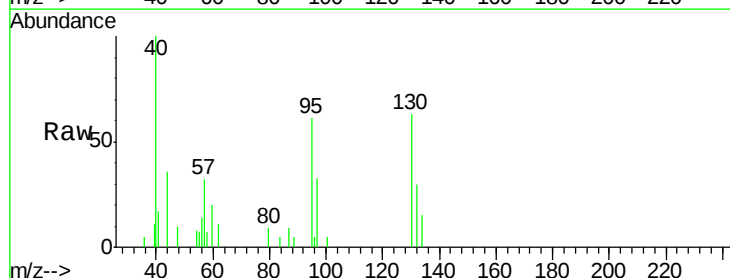
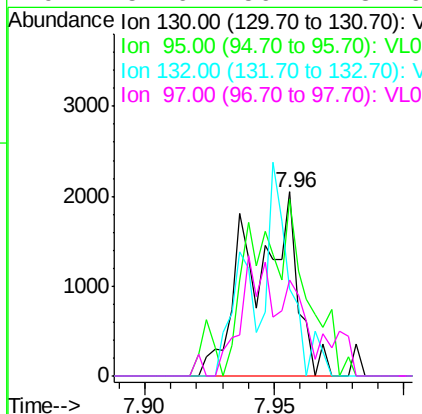
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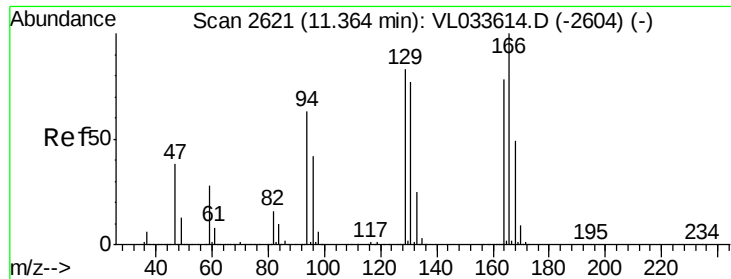
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#38
Trichloroethene
Concen: 0.031 ppbv m
RT: 7.96 min Scan# 1561
Delta R.T. 0.00 min
Lab File: VL033619.D
Acq: 1 May 2019 15:09

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.9	91.2	136.8
132	47.5	77.8	116.8#
97	52.6	56.4	84.6#





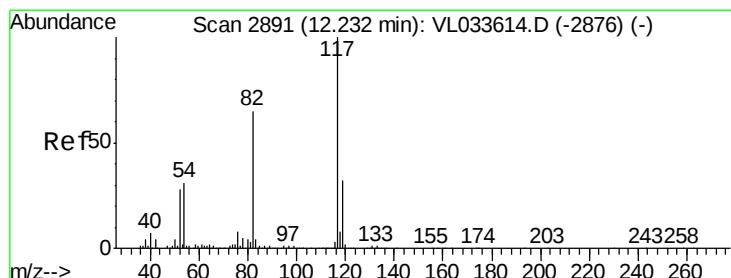
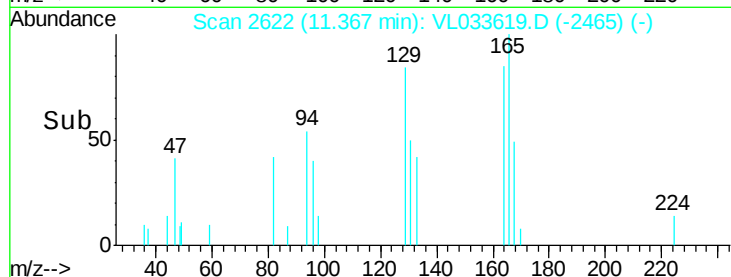
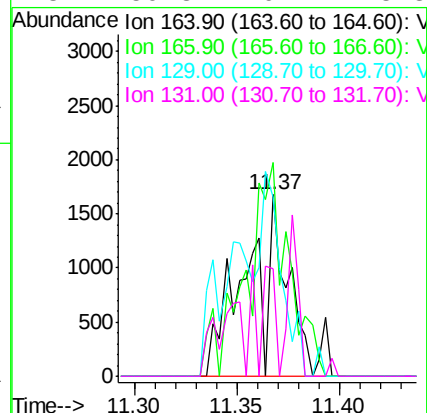
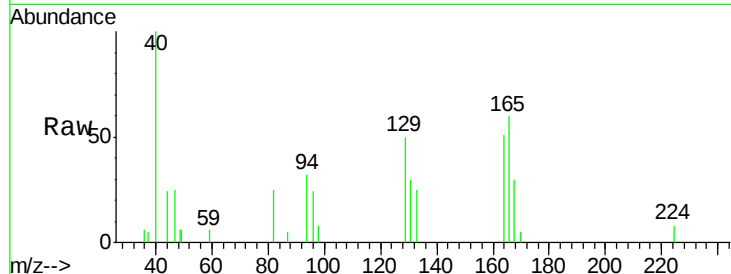
#52
Tetrachloroethene
Concen: 0.031 ppbv m
RT: 11.37 min Scan# 2622
Delta R.T. 0.00 min
Lab File: VL033619.D
Acq: 1 May 2019 15:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

Tot Ion	Ratio	Lower	Upper
164	100		
166	117.6	102.2	153.4
129	98.5	84.4	126.6
131	59.3	79.2	118.8

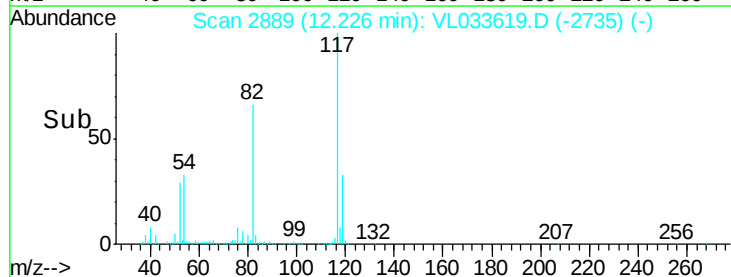
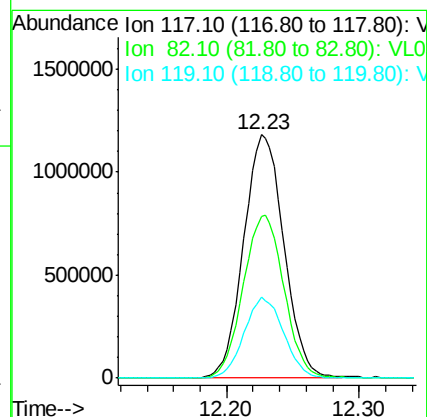
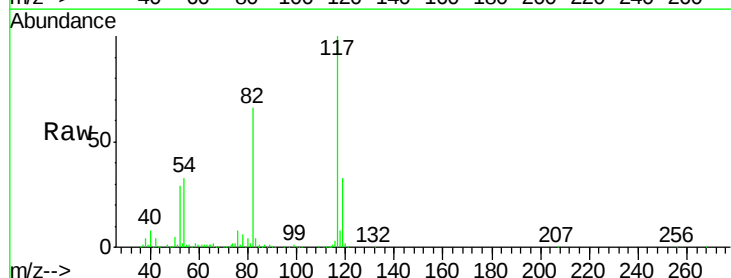
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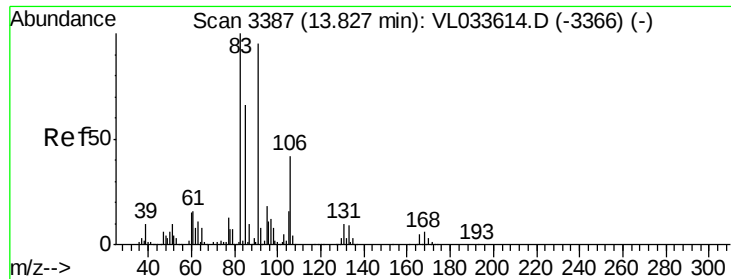
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#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.23 min Scan# 2889
Delta R.T. -0.01 min
Lab File: VL033619.D
Acq: 1 May 2019 15:09

Tgt Ion	Ratio	Lower	Upper
117	100		
82	68.1	52.6	78.8
119	32.9	28.3	42.5





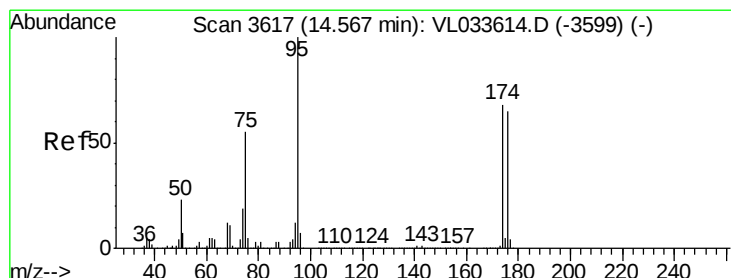
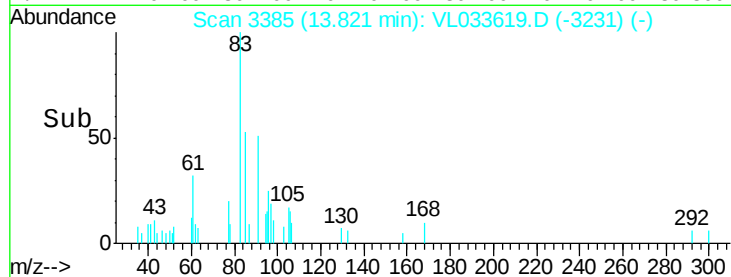
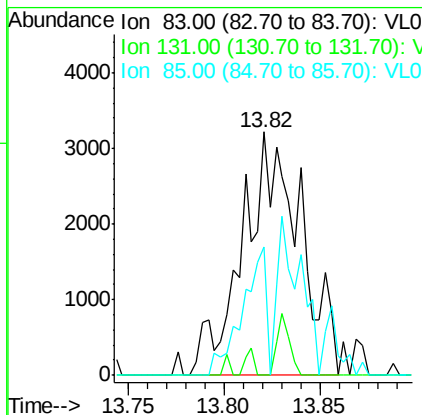
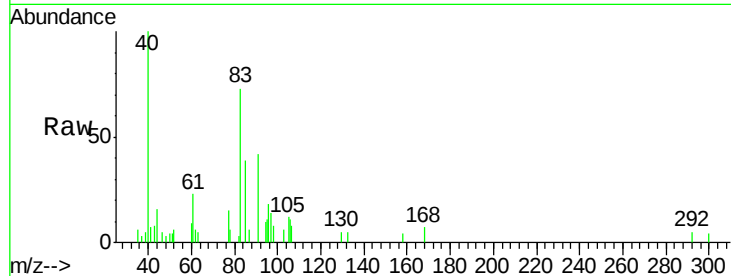
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.034 ppbv m
 RT: 13.82 min Scan# 3385
 Delta R.T. -0.01 min
 Lab File: VL033619.D
 Acq: 1 May 2019 15:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

Tot Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.8	14.4#
85	0.0	32.3	96.8#

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#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.687 ppbv
 RT: 14.57 min Scan# 3617
 Delta R.T. 0.00 min
 Lab File: VL033619.D
 Acq: 1 May 2019 15:09

Tgt Ion	Ratio	Lower	Upper
95	100		
174	66.3	53.9	80.9
175	4.7	4.0	6.0

