

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL013020\
 Data File : VL034573.D
 Acq On : 30 Jan 2020 15:16
 Operator : SY/AP
 Sample : VSTDICC0.03
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.03

Manual Integrations
 APPROVED

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 1/31/2020 4:24:13 PM

Quant Time: Jan 30 15:54:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL013020AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 30 2020
 QLast Update : Thu Jan 30 14:46:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1101353	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2235220	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2242606	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	1910259	10.21	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.22	62	2793m	0.037	ppbv	
32) 1,1,1-Trichloroethane	6.51	97	8335m	0.044	ppbv	
35) Carbon Tetrachloride	7.02	117	7361	0.036	ppbv	# 81
38) Trichloroethene	7.84	130	2566m	0.033	ppbv	
52) Tetrachloroethene	11.24	164	2924m	0.038	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.73	83	7704m	0.036	ppbv	

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

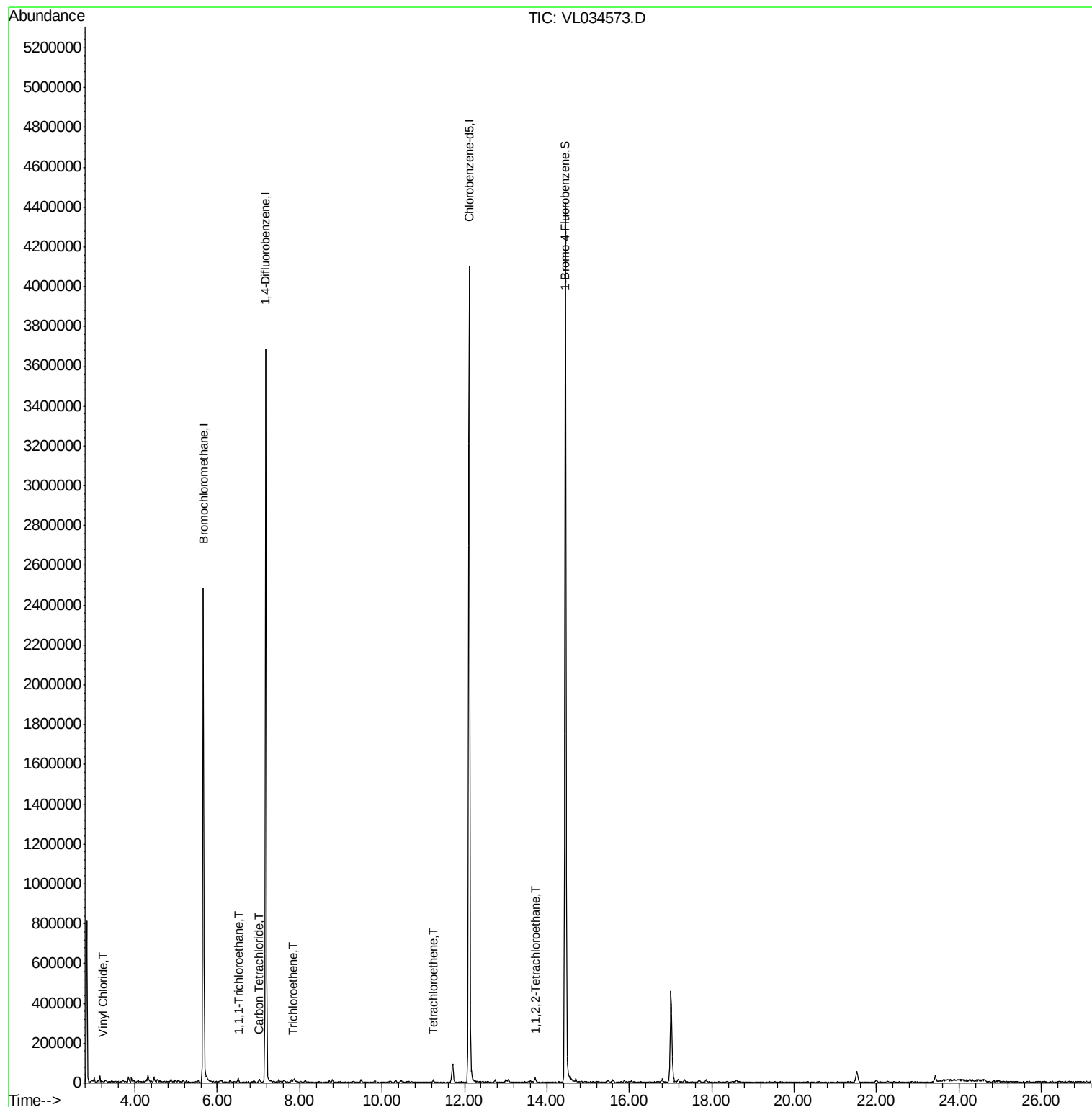
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL013020\
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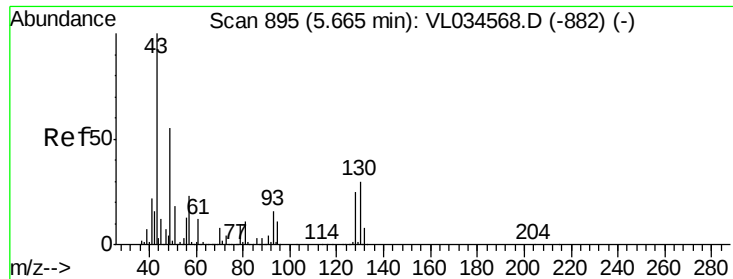
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Manual Integrations
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#1

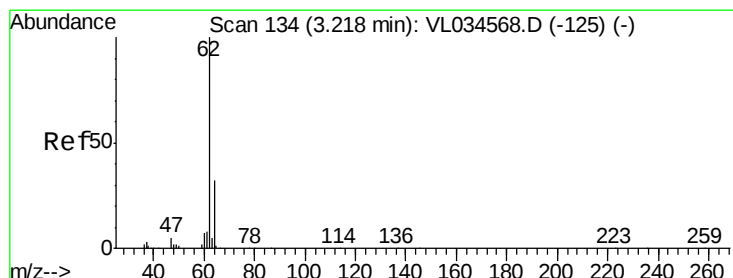
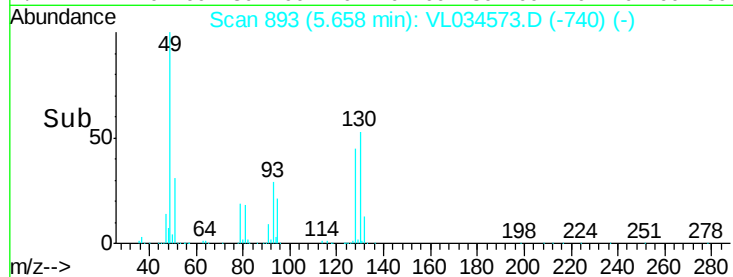
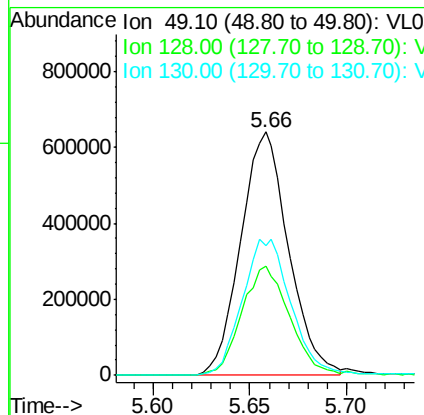
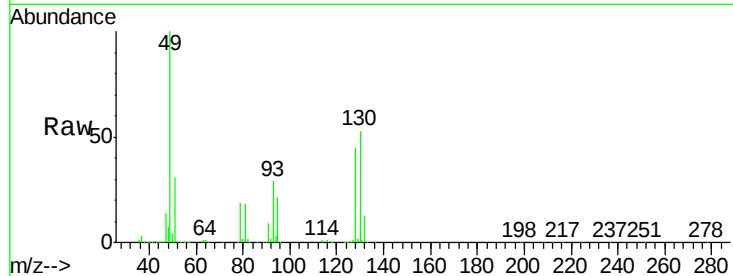
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.66 min Scan# 893
Delta R.T. -0.01 min
Lab File: VL034573.D
Acq: 30 Jan 2020 15:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

Tot Ion: 49 Resp: 1101353
Ion Ratio Lower Upper
49 100
128 46.0 22.4 67.2
130 58.3 28.3 85.0

Manual Integrations
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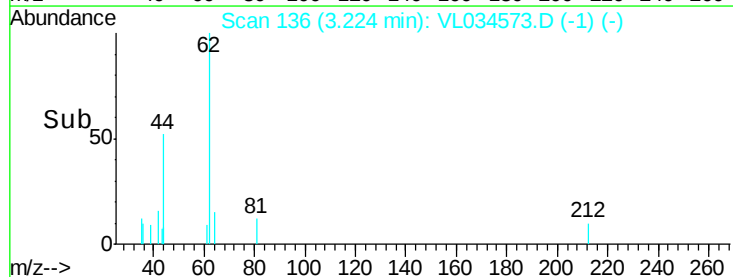
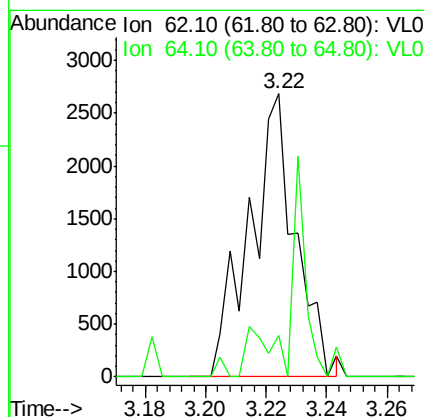
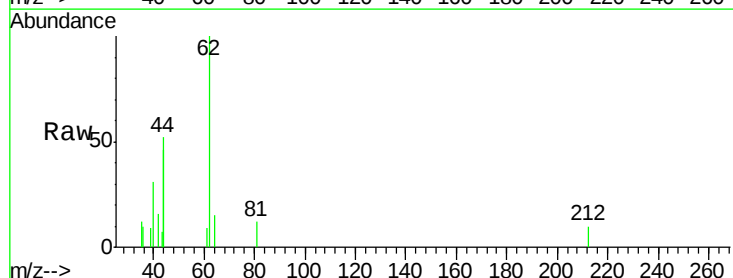
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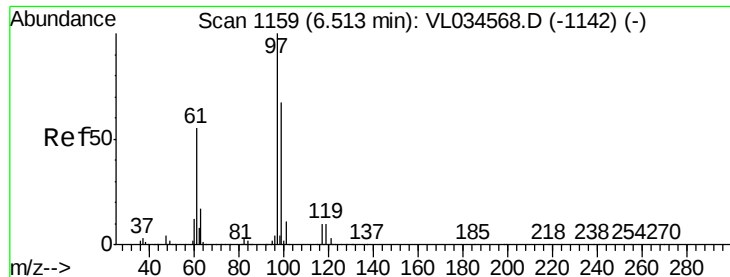


#5

Vinyl Chloride
Concen: 0.037 ppbv m
RT: 3.22 min Scan# 136
Delta R.T. 0.01 min
Lab File: VL034573.D
Acq: 30 Jan 2020 15:16

Tgt Ion: 62 Resp: 2793
Ion Ratio Lower Upper
62 100
64 14.8 24.9 37.3#





#32

1,1,1-Trichloroethane

Concen: 0.044 ppbv m

RT: 6.51 min Scan# 1158

Delta R.T. -0.00 min

Lab File: VL034573.D

Acq: 30 Jan 2020 15:16

Instrument :

MSVOA_L

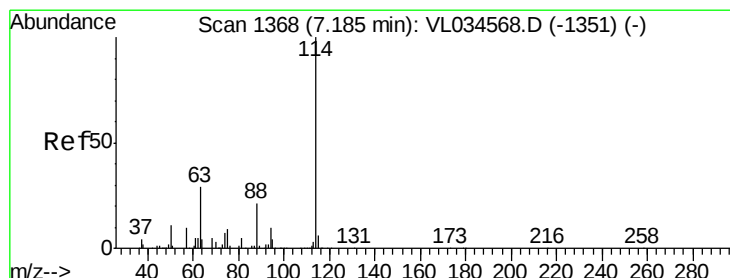
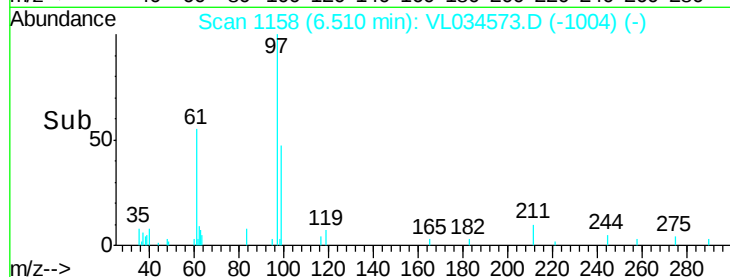
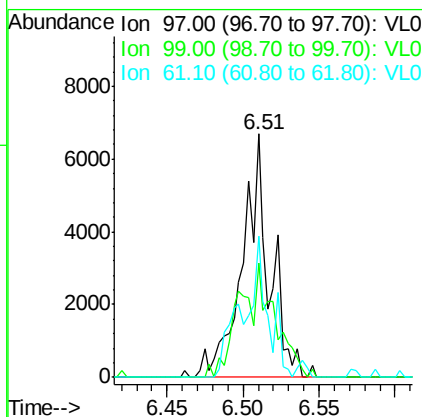
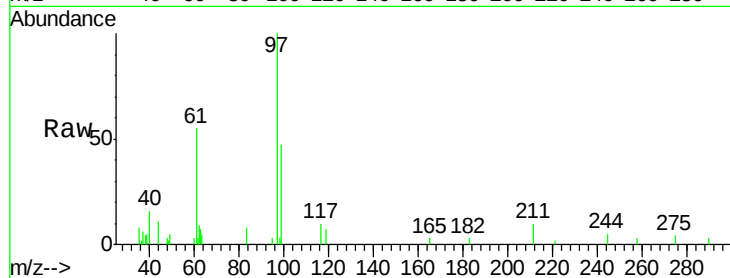
ClientSampleId :

VSTDIC0.03

Tot Ion:	97	Resp:	8335
Ion	Ratio	Lower	Upper
97	100		
99	61.5	51.7	77.5
61	55.9	42.9	64.3

Manual Integrations
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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

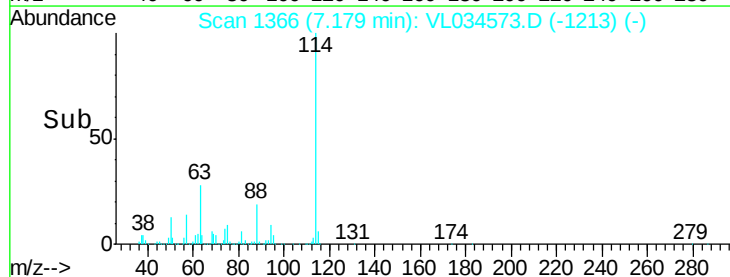
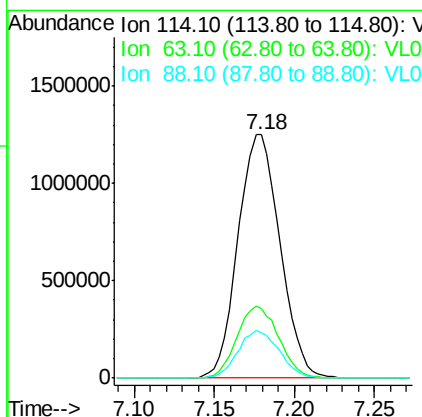
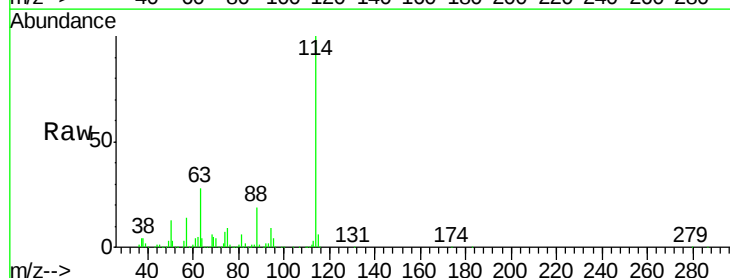
RT: 7.18 min Scan# 1366

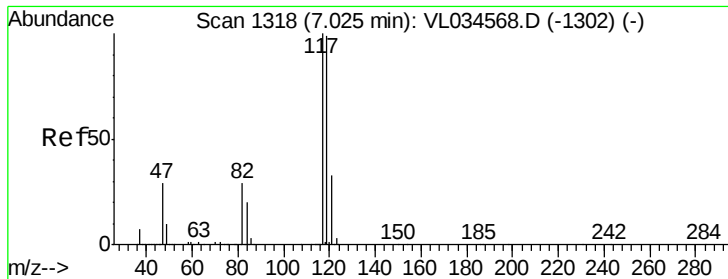
Delta R.T. -0.01 min

Lab File: VL034573.D

Acq: 30 Jan 2020 15:16

Tgt Ion:	114	Resp:	2235220
Ion	Ratio	Lower	Upper
114	100		
63	29.5	24.1	36.1
88	19.4	15.7	23.5





#35

Carbon Tetrachloride

Concen: 0.036 ppbv

RT: 7.02 min Scan# 1318

Delta R.T. -0.00 min

Lab File: VL034573.D

Acq: 30 Jan 2020 15:16

Instrument :

MSVOA_L

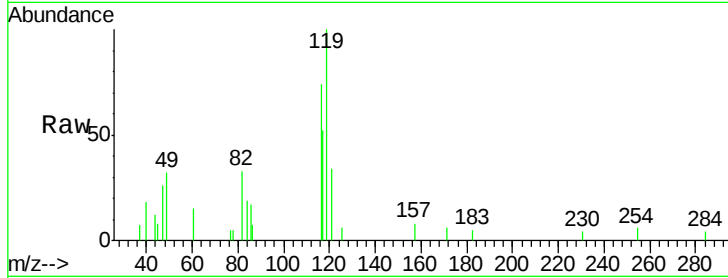
ClientSampleId :

VSTDIC0.03

Tot Ion:	117	Resp:	7361
Ion Ratio	Lower	Upper	
117	100		
119	80.0	78.7	118.1
121	21.6	25.9	38.9#

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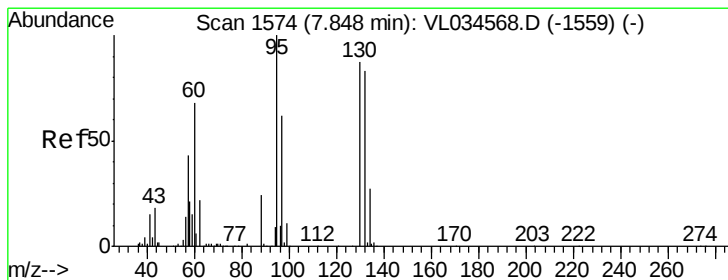
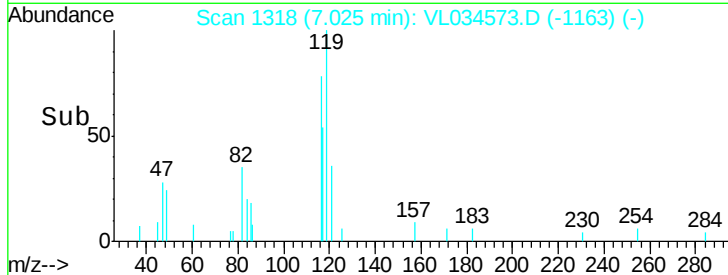
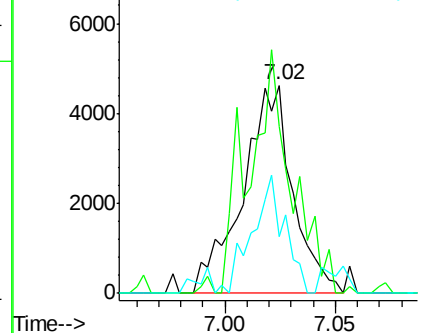
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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#38

Trichloroethene

Concen: 0.033 ppbv m

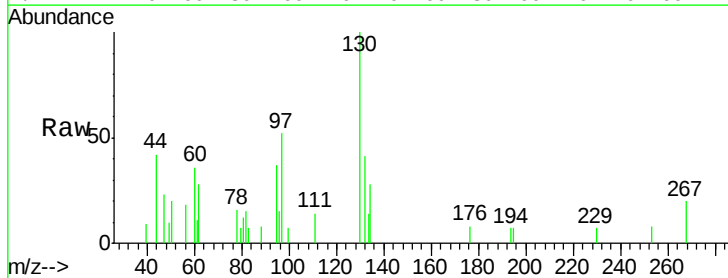
RT: 7.84 min Scan# 1572

Delta R.T. -0.01 min

Lab File: VL034573.D

Acq: 30 Jan 2020 15:16

Tgt Ion:	130	Resp:	2566
Ion Ratio	Lower	Upper	
130	100		
95	37.4	94.2	141.2#
132	41.4	76.1	114.1#
97	52.3	60.2	90.2#

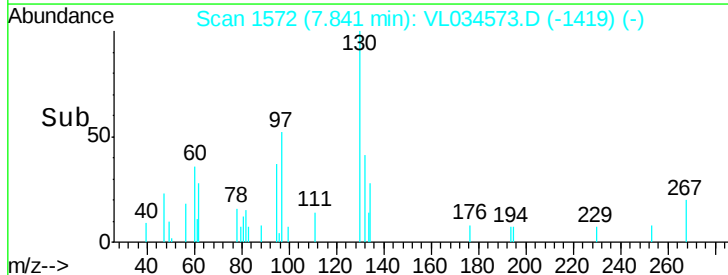
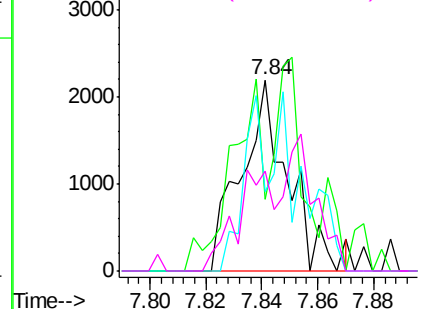


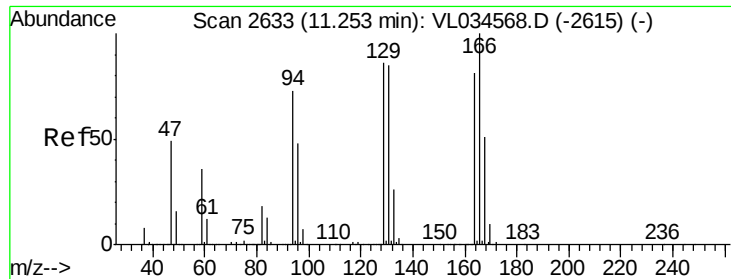
Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0





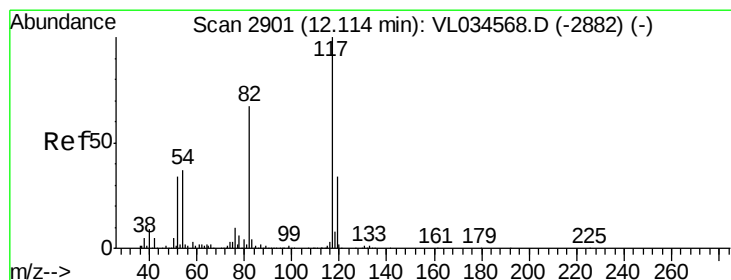
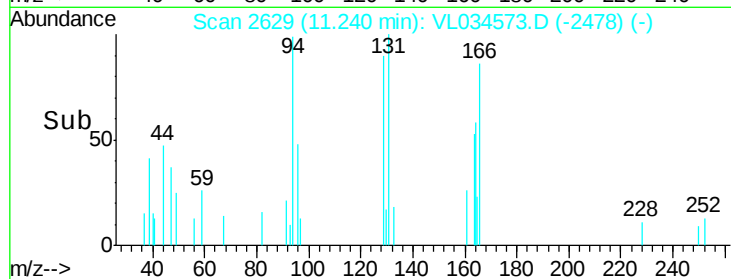
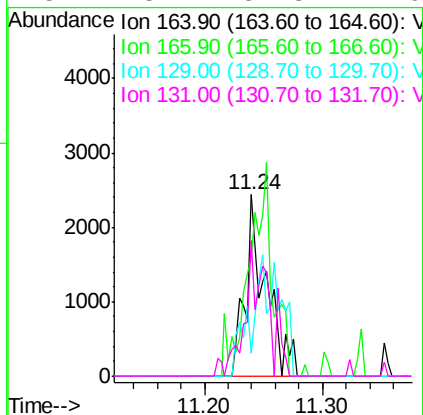
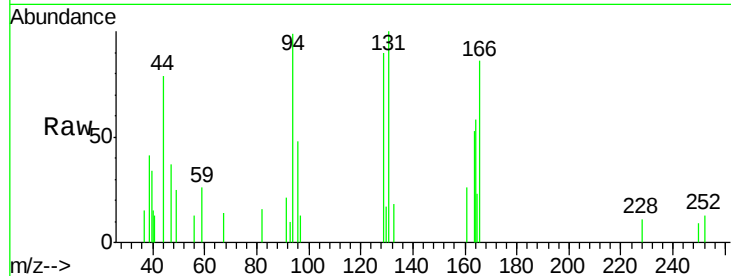
#52
Tetrachloroethene
Concen: 0.038 ppbv m
RT: 11.24 min Scan# 2629
Delta R.T. -0.01 min
Lab File: VL034573.D
Acq: 30 Jan 2020 15:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

Tot Ion	Ratio	Lower	Upper
164	100		
166	149.4	95.7	143.5#
129	29.8	82.2	123.2#
131	173.1	81.3	121.9#

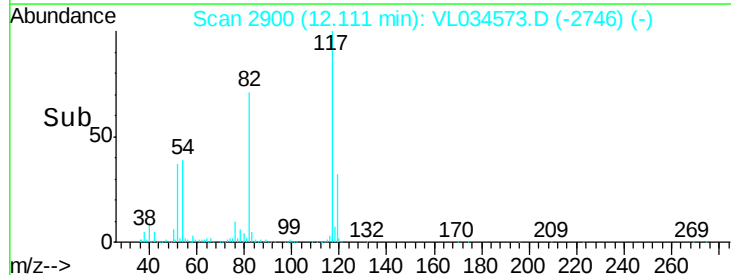
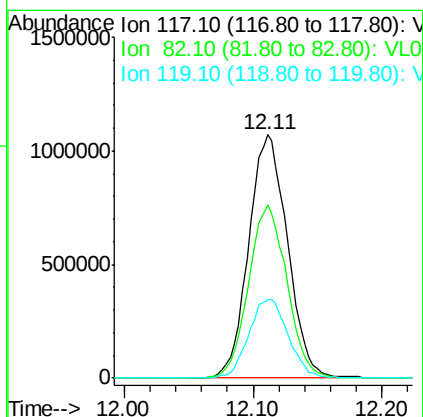
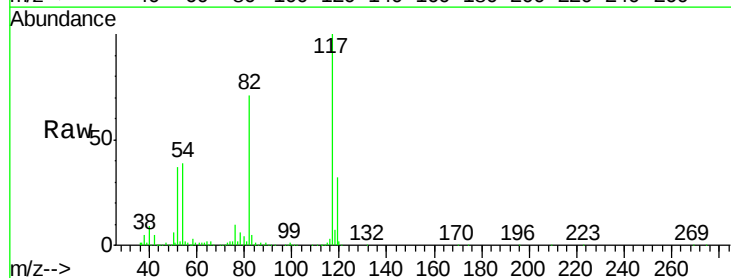
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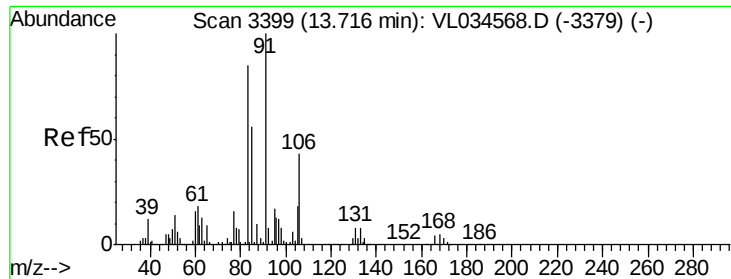
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#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2900
Delta R.T. -0.00 min
Lab File: VL034573.D
Acq: 30 Jan 2020 15:16

Tgt Ion	Ratio	Lower	Upper
117	100		
82	70.5	56.2	84.4
119	33.2	27.1	40.7





#63

1,1,2,2-Tetrachloroethane

Concen: 0.036 ppbv m

RT: 13.73 min Scan# 3402

Delta R.T. 0.01 min

Lab File: VL034573.D

Acq: 30 Jan 2020 15:16

Instrument :

MSVOA_L

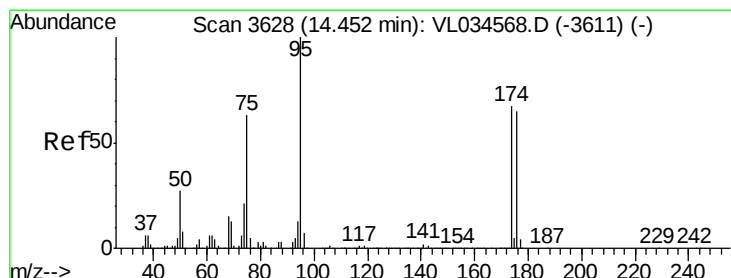
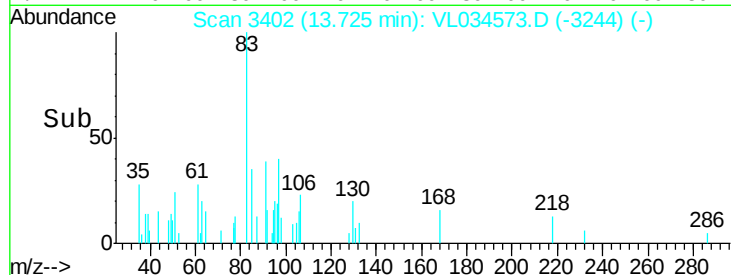
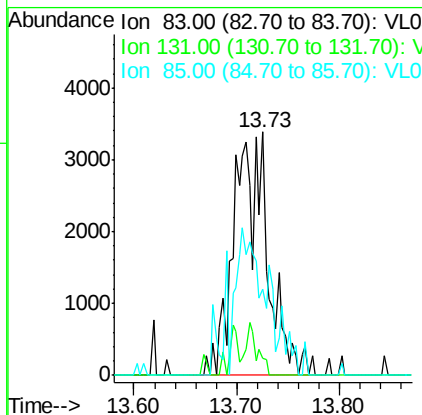
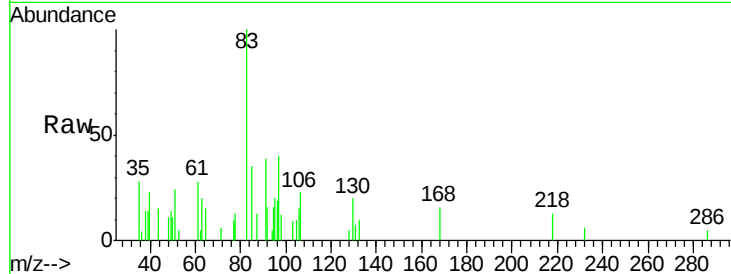
ClientSampleId :

VSTDIC0.03

Tot Ion:	83	Resp:	7704
Ion	Ratio	Lower	Upper
83	100		
131	12.6	4.8	14.4
85	66.3	32.5	97.4

Manual Integrations
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#68

1-Bromo-4-Fluorobenzene

Concen: 10.208 ppbv

RT: 14.45 min Scan# 3627

Delta R.T. -0.00 min

Lab File: VL034573.D

Acq: 30 Jan 2020 15:16

Tgt Ion:	95	Resp:	1910259
Ion	Ratio	Lower	Upper
95	100		
174	65.0	52.4	78.6
175	4.7	3.9	5.9

