

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030920\
 Data File : VL034846.D
 Acq On : 9 Mar 2020 15:28
 Operator : SY/AP
 Sample : VSTDIC0.03
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

Manual Integrations
 APPROVED

MMDadoda
 3/11/2020 3:26:06 PM

Quant Time: Mar 09 15:17:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 09 2020
 QLast Update : Mon Mar 09 15:34:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	934937	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2119220	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2088998	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	1663463	9.55	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.22	62	1596m	0.026	ppbv	
32) 1,1,1-Trichloroethane	6.49	97	3467m	0.025	ppbv	
35) Carbon Tetrachloride	7.02	117	3064	0.019	ppbv	# 51
38) Trichloroethene	7.85	130	1669m	0.024	ppbv	
52) Tetrachloroethene	11.23	164	2614m	0.039	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.72	83	4387m	0.025	ppbv	

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

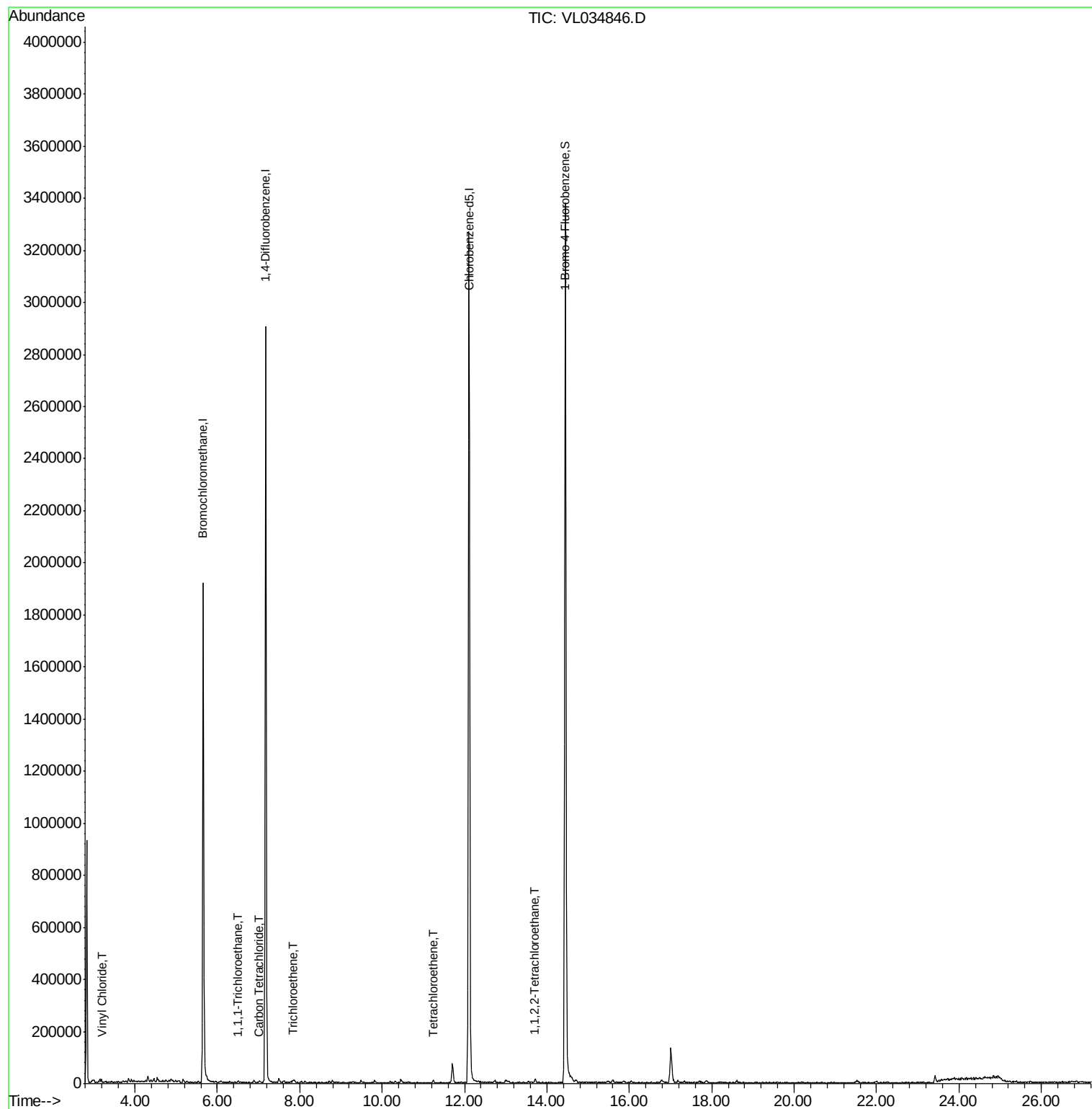
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL030920\
Data File : VL034846.D
Acq On : 9 Mar 2020 15:28
Operator : SY/AP
Sample : VSTDICC0.03
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

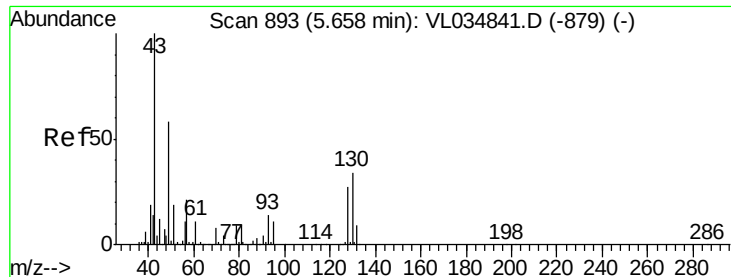
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Manual Integrations
APPROVED

MMDadoda
3/11/2020 3:26:06 PM

Quant Time: Mar 09 15:17:04 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL030920AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar
QLast Update : Mon Mar 09 15:34:13 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. -0.00 min

Lab File: VL034846.D

Acq: 9 Mar 2020 15:28

Instrument :

MSVOA_L

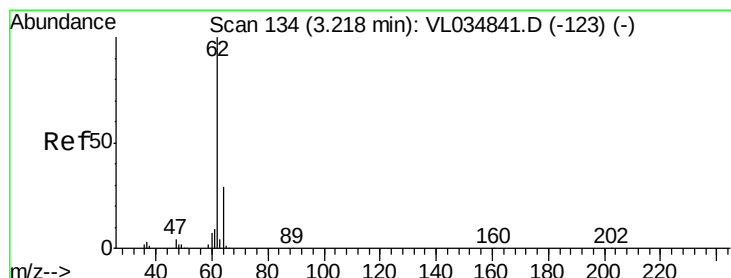
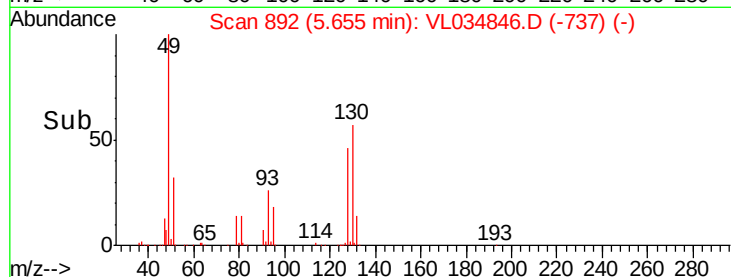
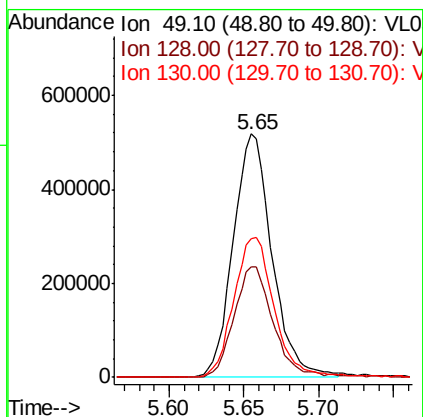
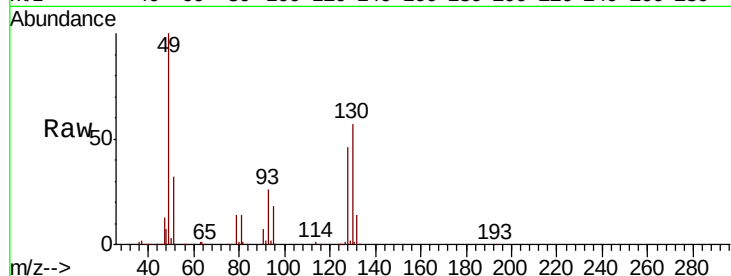
ClientSampleId :

VSTDIC0.03

Tot Ion:	49	Resp:	934937
Ion	Ratio	Lower	Upper
49	100		
128	46.4	23.4	70.3
130	60.2	30.0	90.0

Manual Integrations
APPROVED

MMDadoda
3/11/2020 3:26:06 PM



#5

Vinyl Chloride

Concen: 0.026 ppbv m

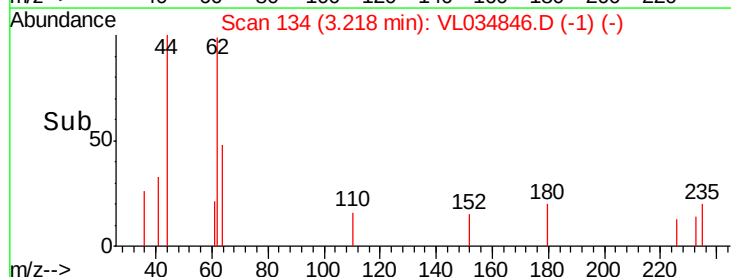
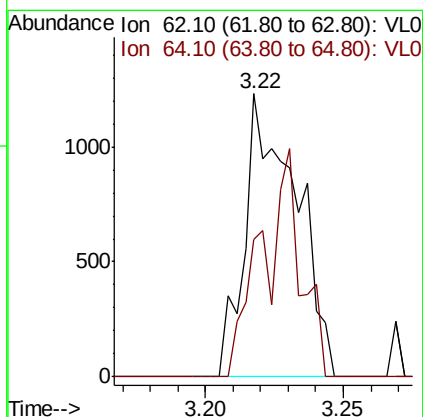
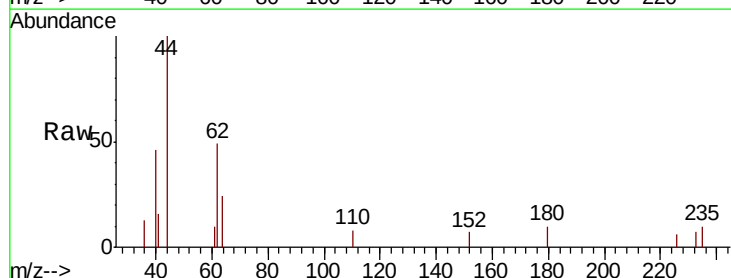
RT: 3.22 min Scan# 134

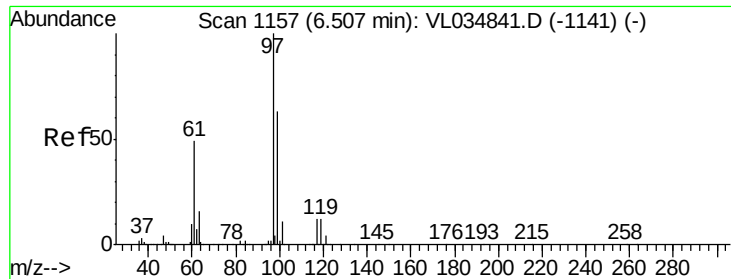
Delta R.T. 0.00 min

Lab File: VL034846.D

Acq: 9 Mar 2020 15:28

Tgt Ion:	62	Resp:	1596
Ion	Ratio	Lower	Upper
62	100		
64	48.6	23.0	34.4#





#32

1,1,1-Trichloroethane

Concen: 0.025 ppbv m

RT: 6.49 min Scan# 1153

Delta R.T. -0.01 min

Lab File: VL034846.D

Acq: 9 Mar 2020 15:28

Instrument :

MSVOA_L

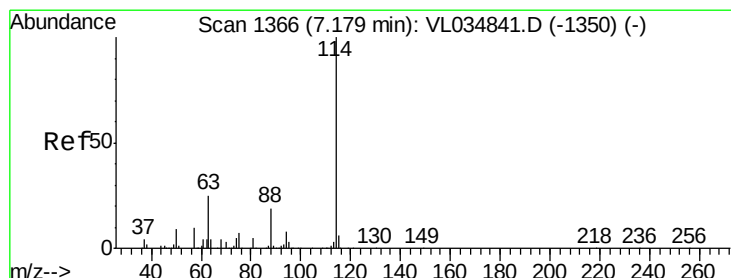
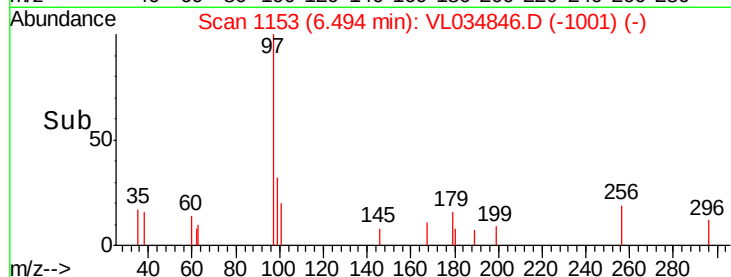
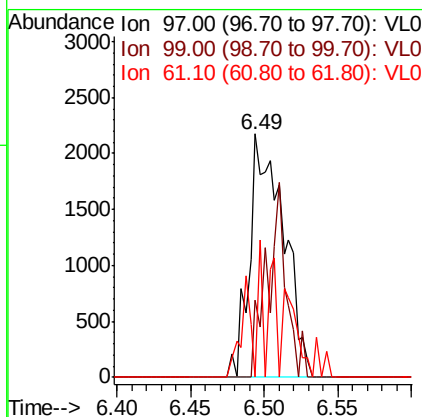
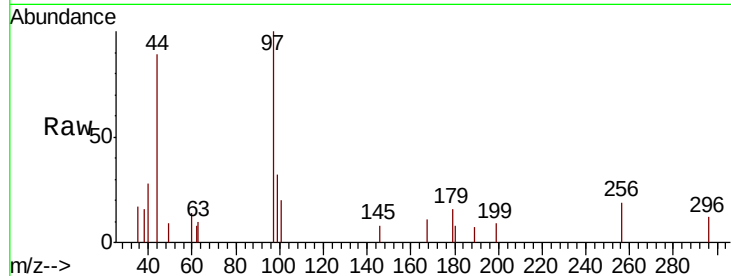
ClientSampleId :

VSTDIC0.03

Tot Ion:	97	Resp:	3467
Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.1	76.7#
61	0.0	39.7	59.5#

Manual Integrations
APPROVED

MMDadoda
3/11/2020 3:26:06 PM



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

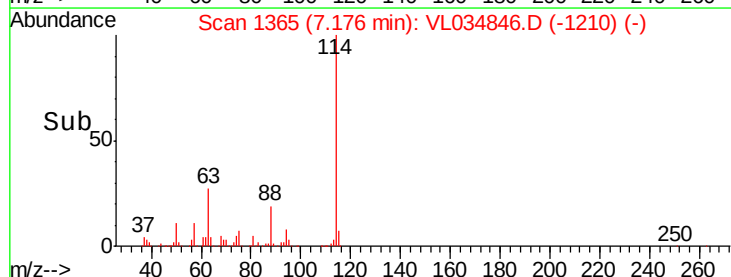
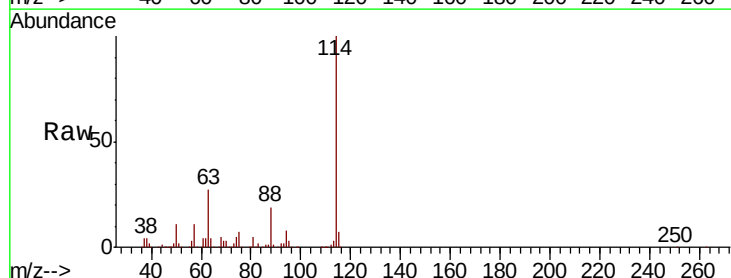
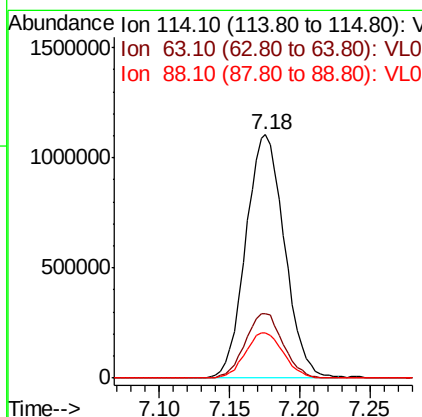
RT: 7.18 min Scan# 1365

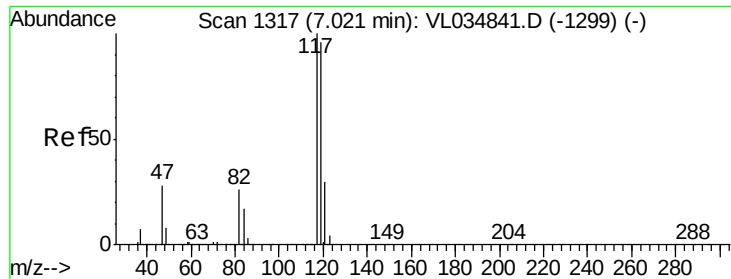
Delta R.T. -0.00 min

Lab File: VL034846.D

Acq: 9 Mar 2020 15:28

Tgt Ion:	114	Resp:	2119220
Ion	Ratio	Lower	Upper
114	100		
63	26.1	20.6	31.0
88	18.5	15.0	22.6





#35

Carbon Tetrachloride

Concen: 0.019 ppbv

RT: 7.02 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VL034846.D

Acq: 9 Mar 2020 15:28

Instrument :

MSVOA_L

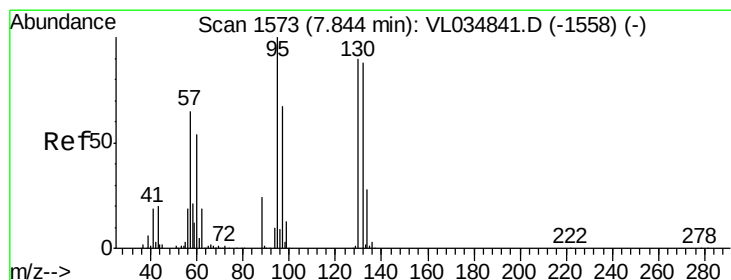
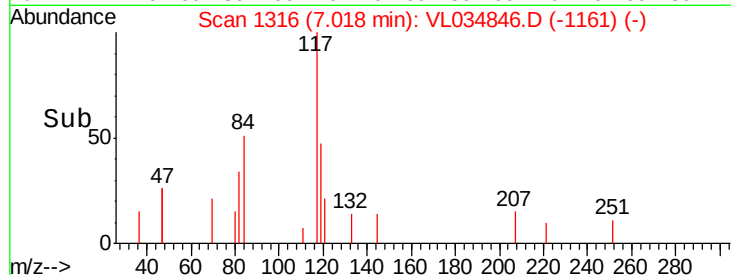
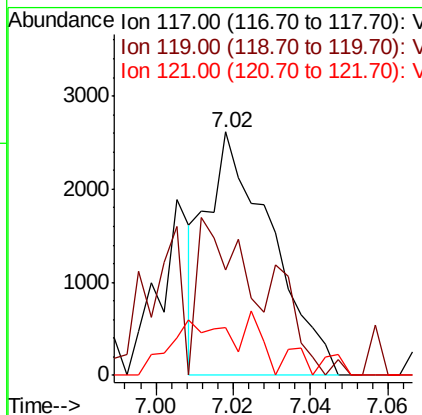
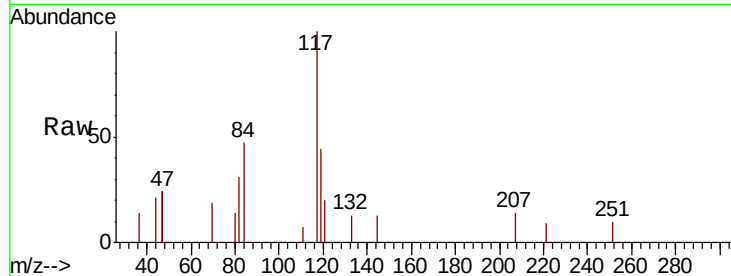
ClientSampleId :

VSTDIC0.03

Tot Ion:	117	Resp:	3064
Ion Ratio	Lower	Upper	
117	100		
119	43.5	77.0	115.4#
121	11.1	24.0	36.0#

Manual Integrations
APPROVED

MMDadoda
3/11/2020 3:26:06 PM



#38

Trichloroethene

Concen: 0.024 ppbv m

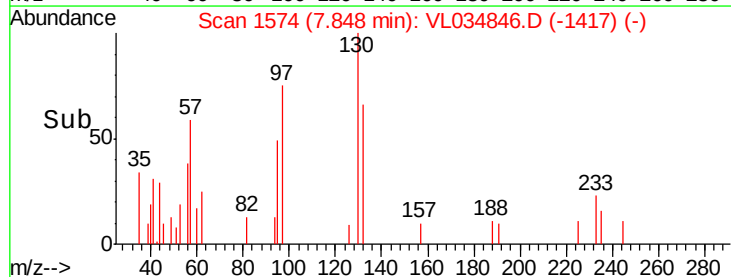
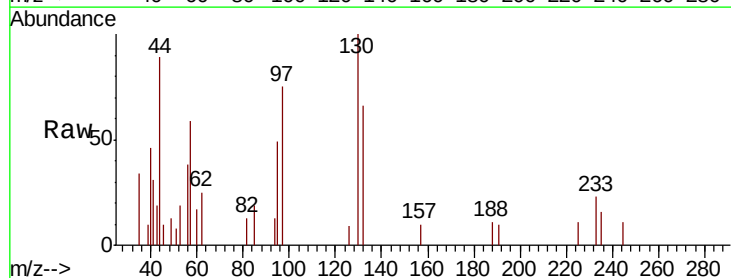
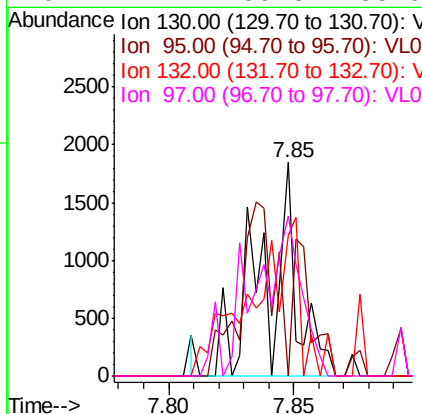
RT: 7.85 min Scan# 1574

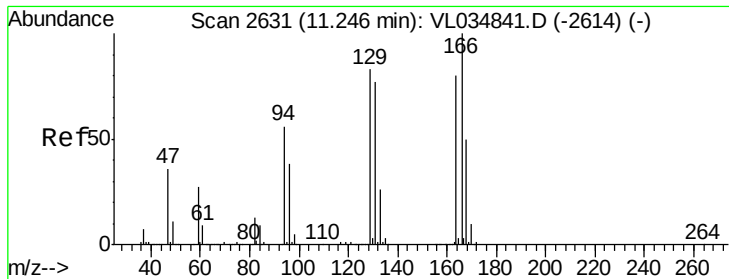
Delta R.T. 0.00 min

Lab File: VL034846.D

Acq: 9 Mar 2020 15:28

Tgt Ion:	130	Resp:	1669
Ion Ratio	Lower	Upper	
130	100		
95	0.0	88.5	132.7#
132	66.2	78.0	117.0#
97	74.7	59.3	88.9





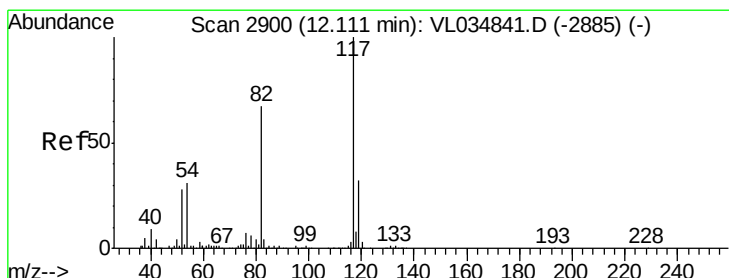
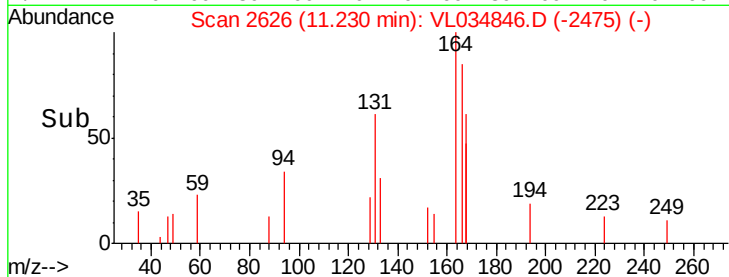
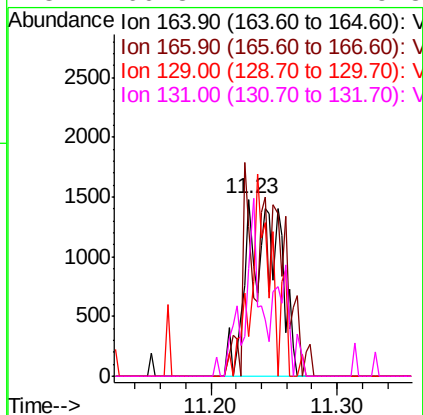
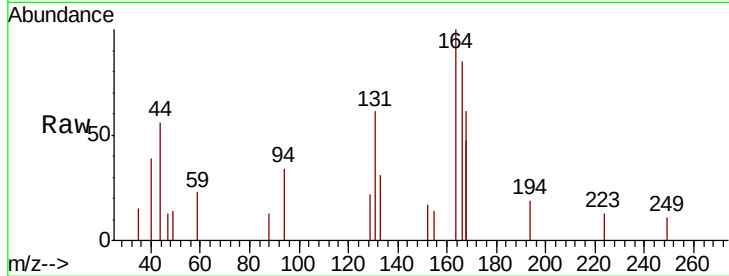
#52
Tetrachloroethene
Concen: 0.039 ppbv m
RT: 11.23 min Scan# 2626
Delta R.T. -0.02 min
Lab File: VL034846.D
Acq: 9 Mar 2020 15:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

Tot Ion	Ratio	Lower	Upper
164	100		
166	85.0	100.0	150.0#
129	22.4	83.1	124.7#
131	60.8	77.2	115.8#

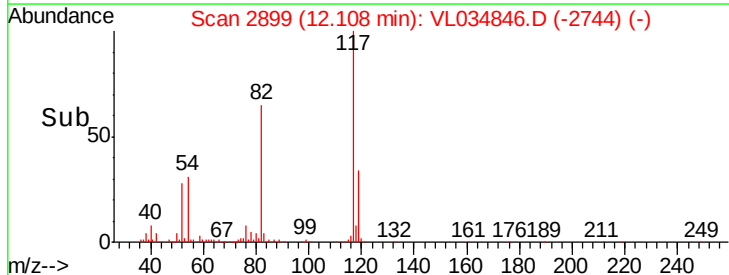
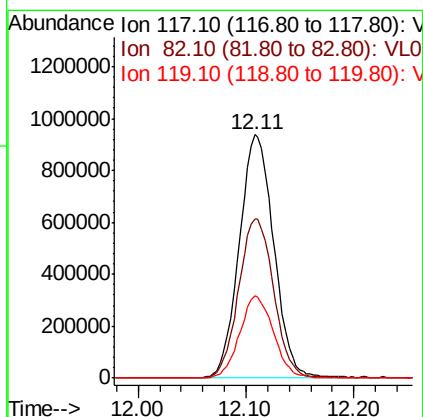
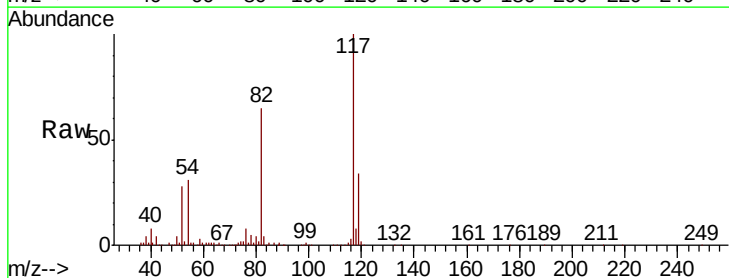
Manual Integrations
APPROVED

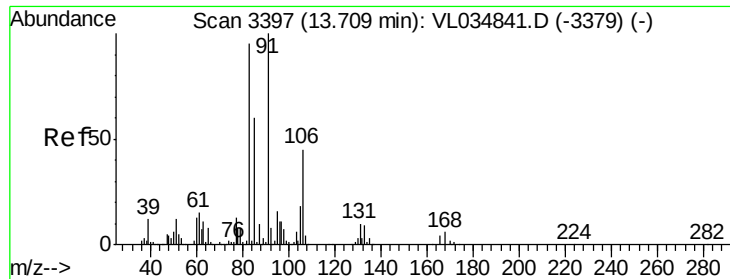
MMDadoda
3/11/2020 3:26:06 PM



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2899
Delta R.T. -0.00 min
Lab File: VL034846.D
Acq: 9 Mar 2020 15:28

Tgt Ion	Ratio	Lower	Upper
117	100		
82	67.0	51.1	76.7
119	33.4	27.3	40.9





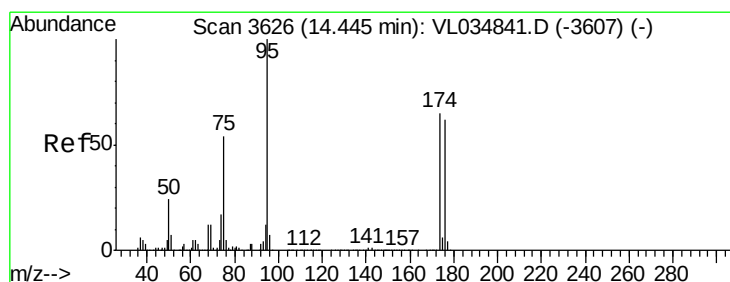
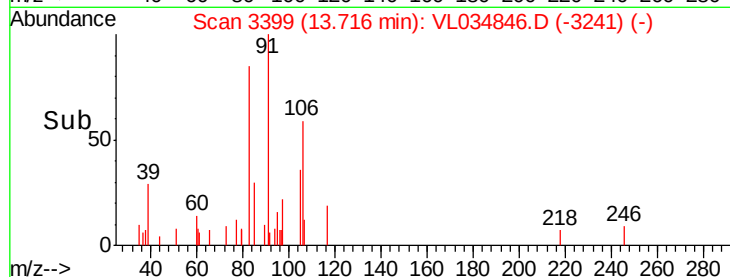
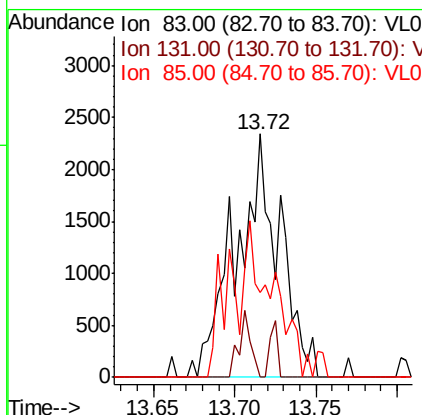
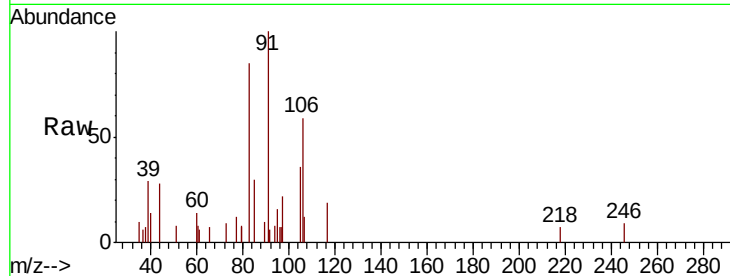
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.025 ppbv m
 RT: 13.72 min Scan# 3399
 Delta R.T. 0.01 min
 Lab File: VL034846.D
 Acq: 9 Mar 2020 15:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

Tot Ion	Ratio	Lower	Upper
83	100		
131	11.5	5.0	14.9
85	63.0	32.4	97.2

Manual Integrations
 APPROVED

MMDadoda
 3/11/2020 3:26:06 PM



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.550 ppbv
 RT: 14.45 min Scan# 3626
 Delta R.T. 0.00 min
 Lab File: VL034846.D
 Acq: 9 Mar 2020 15:28

Tgt Ion	Ratio	Lower	Upper
95	100		
174	69.5	55.2	82.8
175	5.4	4.3	6.5

