

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL031620\
 Data File : VL034905.D
 Acq On : 17 Mar 2020 00:38
 Operator : SY/AP
 Sample : L1924-06DL 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-02DL

Quant Time: Mar 17 11:57:22 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 16:42:53 2020
 QLast Update : Mon Mar 09 16:42:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	854882	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	1806206	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	1762654	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	1427070	10.38	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.80%

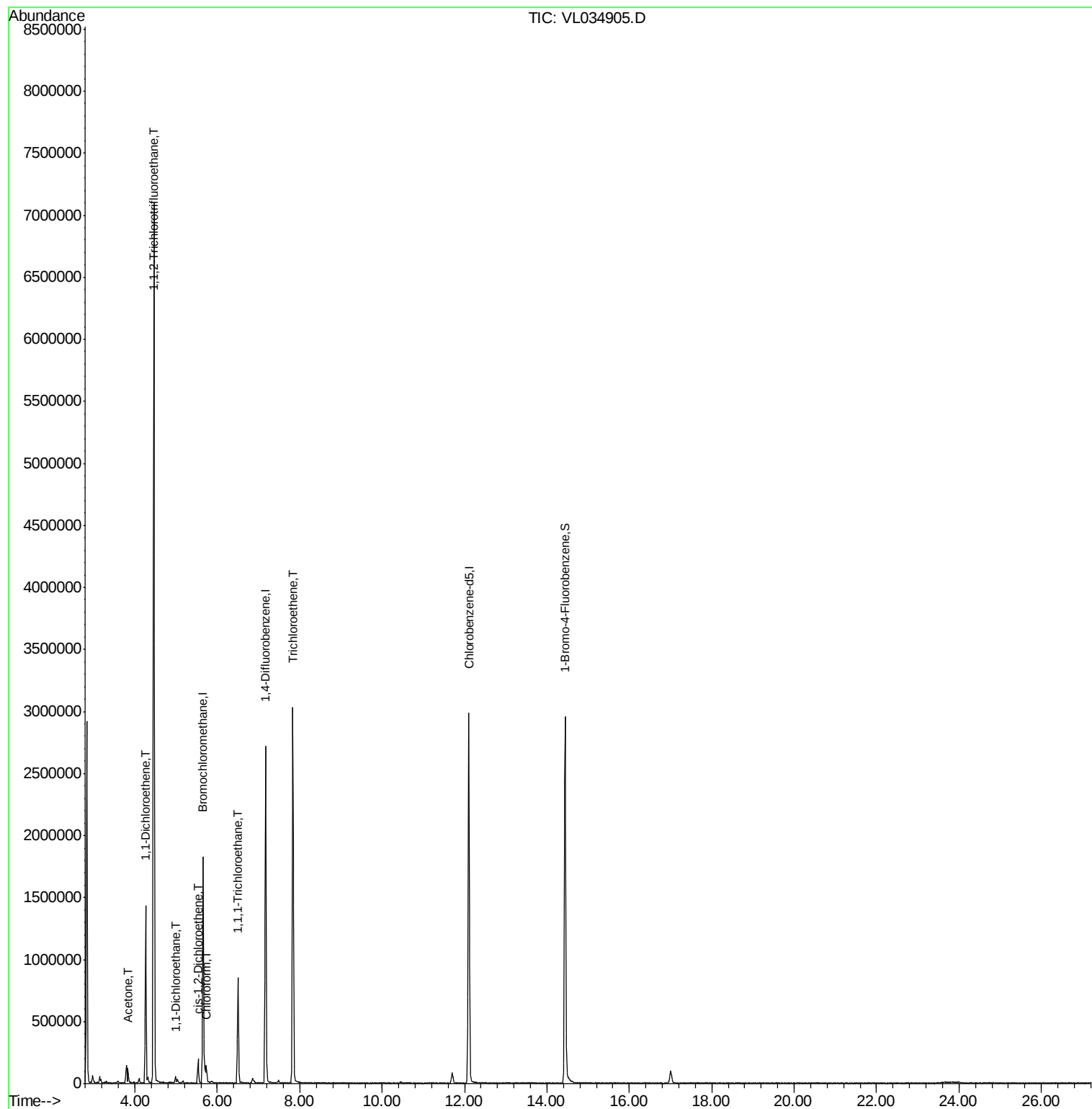
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1,2-Trichlorotrifluoroet	4.46	101	2474546	28.389	ppbv	99
15) Acetone	3.83	43	120535	1.088	ppbv	98
18) 1,1-Dichloroethene	4.26	96	385258	9.981	ppbv	98
24) 1,1-Dichloroethane	4.99	63	36153	0.329	ppbv	99
29) Chloroform	5.74	83	69752	0.538	ppbv	98
31) cis-1,2-Dichloroethene	5.53	61	104055	1.197	ppbv	96
32) 1,1,1-Trichloroethane	6.50	97	504358	3.991	ppbv	97
38) Trichloroethene	7.83	130	885393	14.480	ppbv	95

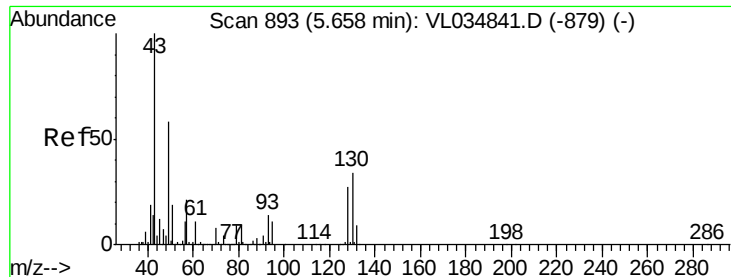
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL031620\
Data File : VL034905.D
Acq On : 17 Mar 2020 00:38
Operator : SY/AP
Sample : L1924-06DL 40X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SV-02DL

Quant Time: Mar 17 11:57:22 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL030920AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 09 16:42:53 2020
QLast Update : Mon Mar 09 16:42:53 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. -0.01 min

Lab File: VL034905.D

Acq: 17 Mar 2020 00:38

Instrument :

MSVOA_L

ClientSampleId :

SV-02DL

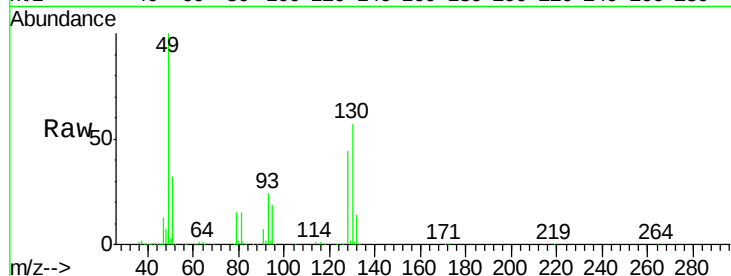
Tot Ion: 49 Resp: 854882

Ion Ratio Lower Upper

49 100

128 44.8 23.4 70.3

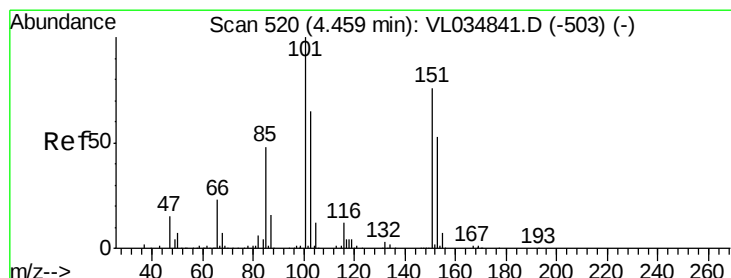
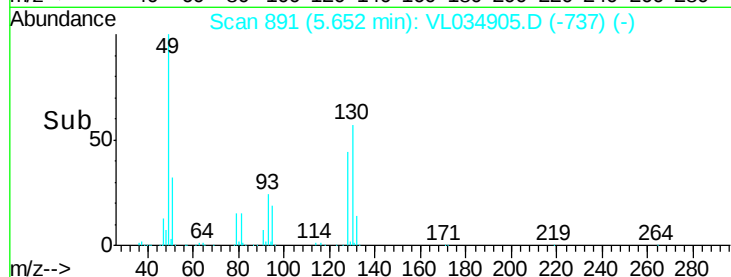
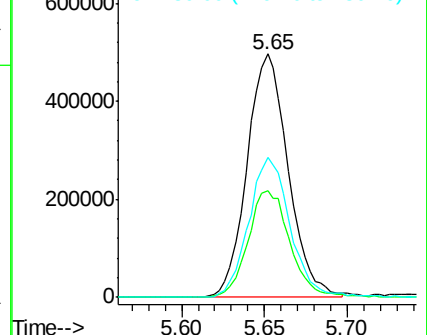
130 58.3 30.0 90.0



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



#12

1,1,2-Trichlorotrifluoroethane

Concen: 28.389 ppbv

RT: 4.46 min Scan# 519

Delta R.T. -0.00 min

Lab File: VL034905.D

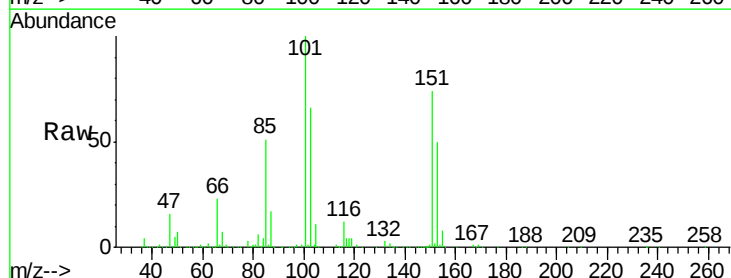
Acq: 17 Mar 2020 00:38

Tgt Ion:101 Resp: 2474546

Ion Ratio Lower Upper

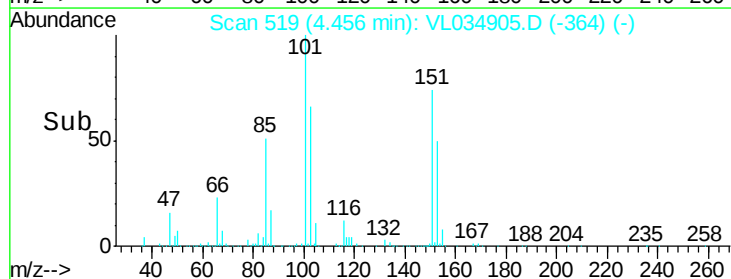
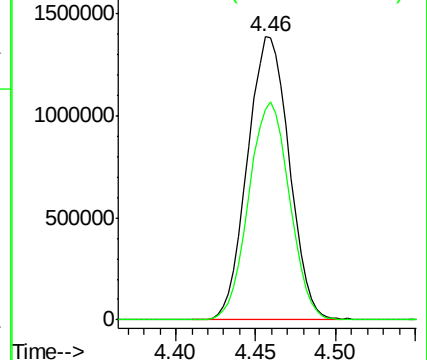
101 100

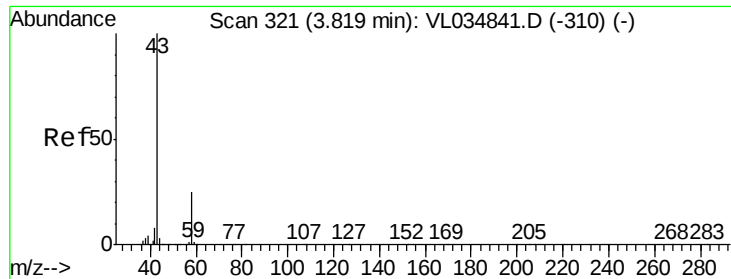
151 75.4 60.8 91.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#15

Acetone

Concen: 1.088 ppbv

RT: 3.83 min Scan# 324

Delta R.T. 0.01 min

Lab File: VL034905.D

Acq: 17 Mar 2020 00:38

Instrument :

MSVOA_L

ClientSampleId :

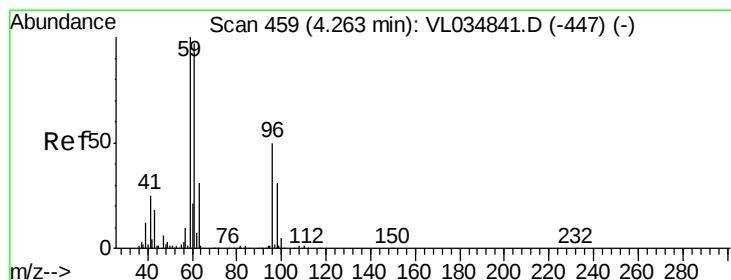
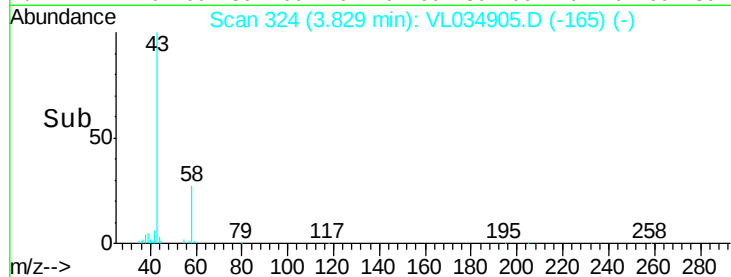
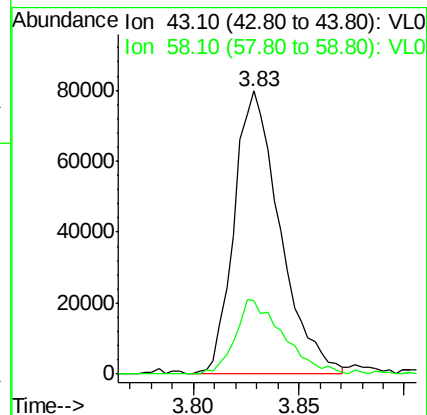
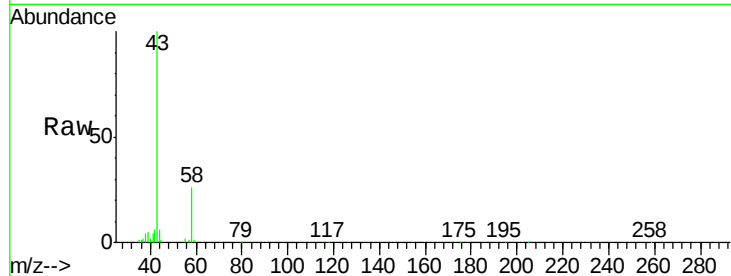
SV-02DL

Tot Ion: 43 Resp: 120535

Ion Ratio Lower Upper

43 100

58 27.5 21.0 31.6



#18

1,1-Dichloroethene

Concen: 9.981 ppbv

RT: 4.26 min Scan# 458

Delta R.T. -0.00 min

Lab File: VL034905.D

Acq: 17 Mar 2020 00:38

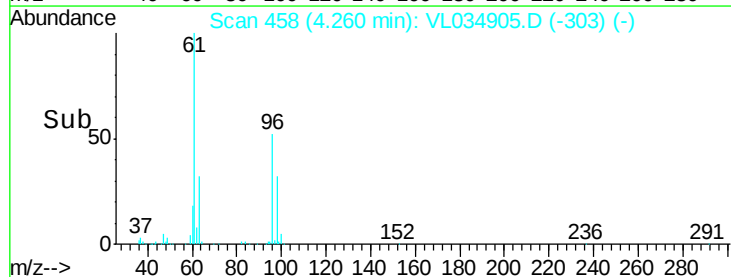
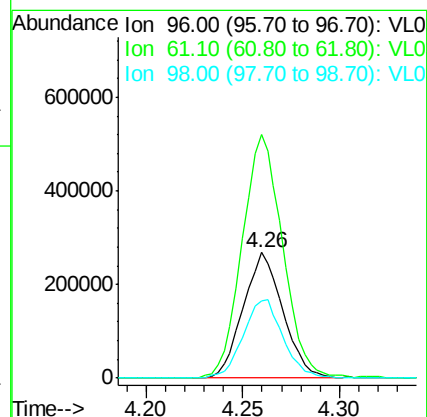
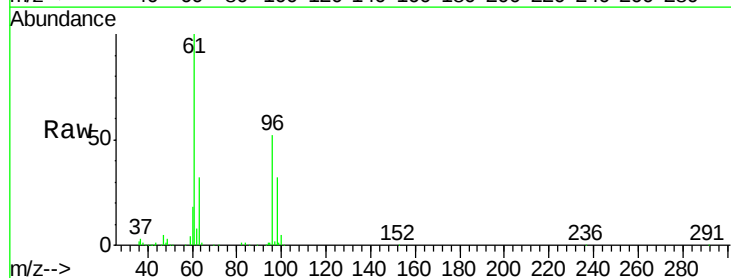
Tgt Ion: 96 Resp: 385258

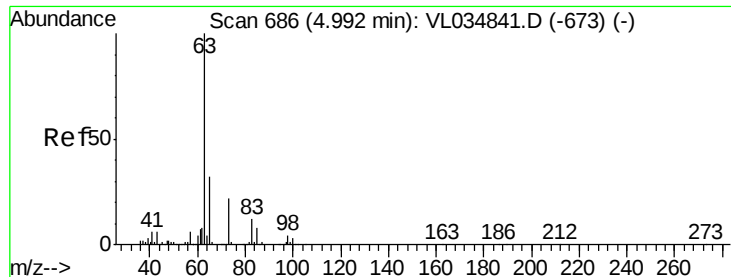
Ion Ratio Lower Upper

96 100

61 193.9 157.3 235.9

98 62.0 50.2 75.4





#24

1,1-Dichloroethane

Concen: 0.329 ppbv

RT: 4.99 min Scan# 685

Delta R.T. -0.00 min

Lab File: VL034905.D

Acq: 17 Mar 2020 00:38

Instrument :

MSVOA_L

ClientSampleId :

SV-02DL

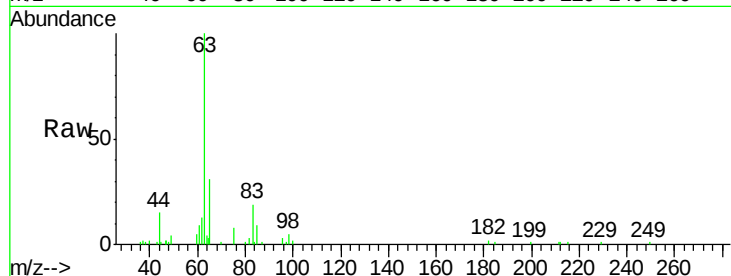
Tot Ion: 63 Resp: 36153

Ion Ratio Lower Upper

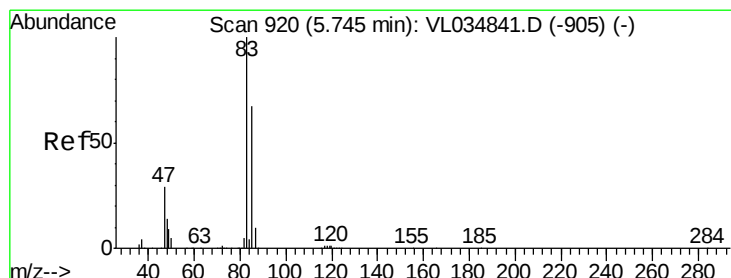
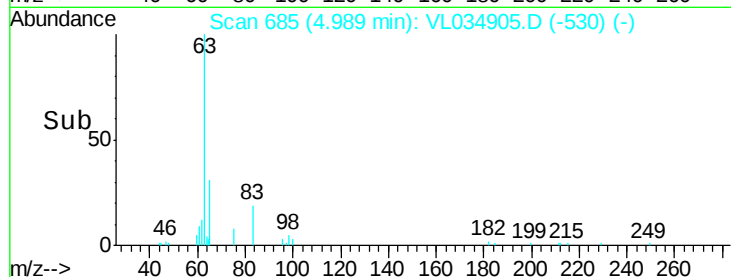
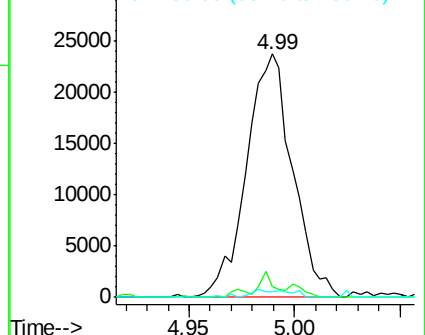
63 100

98 4.3 2.0 5.8

100 2.4 1.4 4.0



Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 98.00 (97.70 to 98.70): VL0
Ion 100.00 (99.70 to 100.70): VL0



#29

Chloroform

Concen: 0.538 ppbv

RT: 5.74 min Scan# 917

Delta R.T. -0.01 min

Lab File: VL034905.D

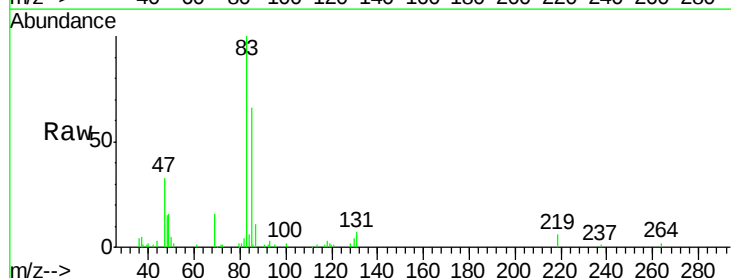
Acq: 17 Mar 2020 00:38

Tgt Ion: 83 Resp: 69752

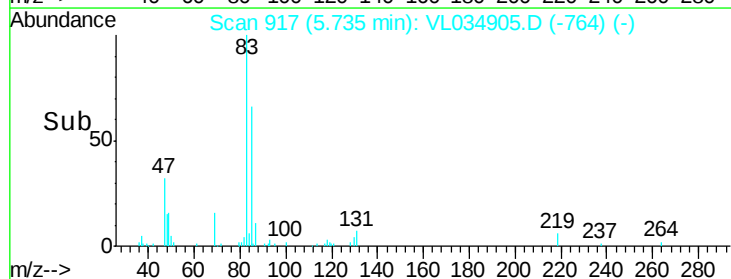
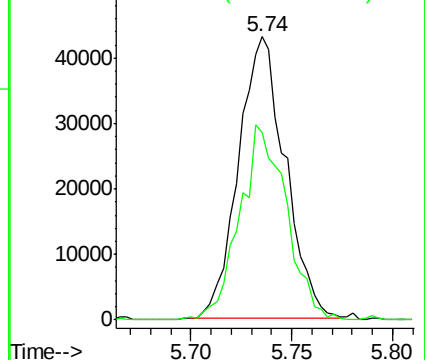
Ion Ratio Lower Upper

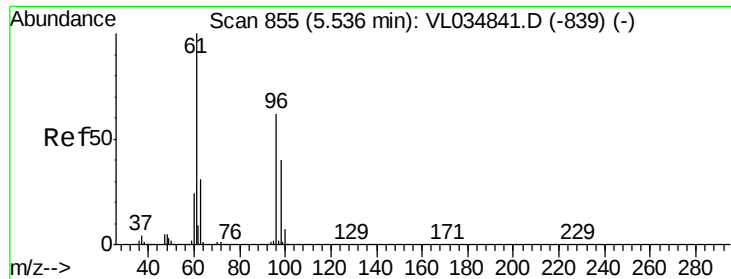
83 100

85 65.7 53.8 80.6



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0



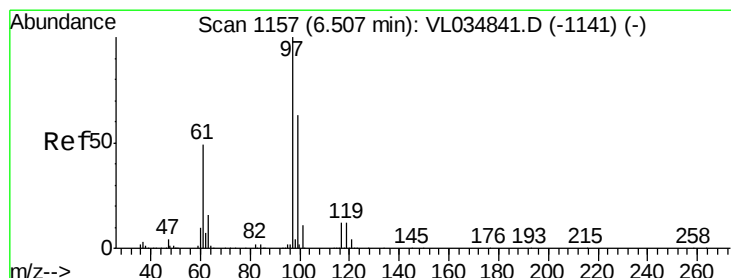
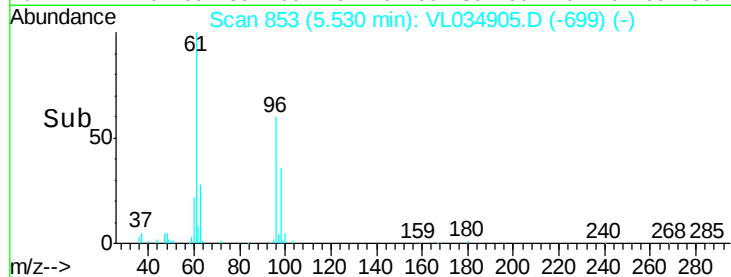
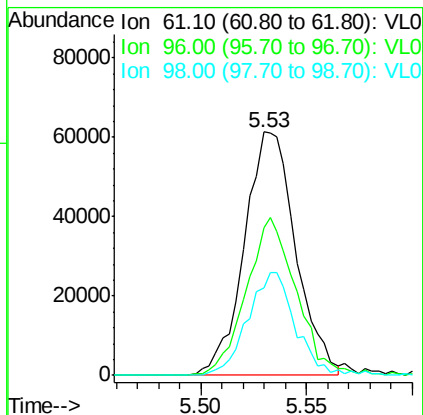
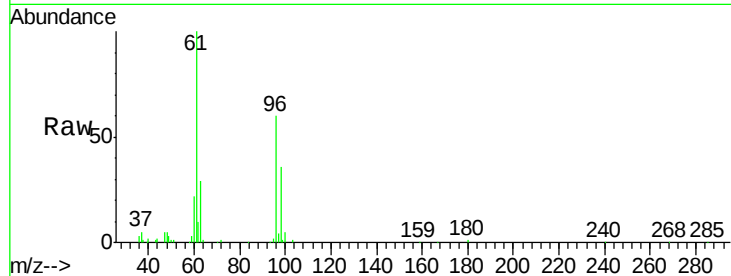


#31

cis-1,2-Dichloroethene
 Concen: 1.197 ppbv
 RT: 5.53 min Scan# 853
 Delta R.T. -0.01 min
 Lab File: VL034905.D
 Acq: 17 Mar 2020 00:38

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-02DL

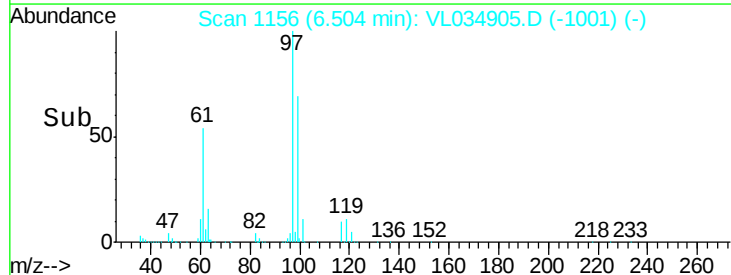
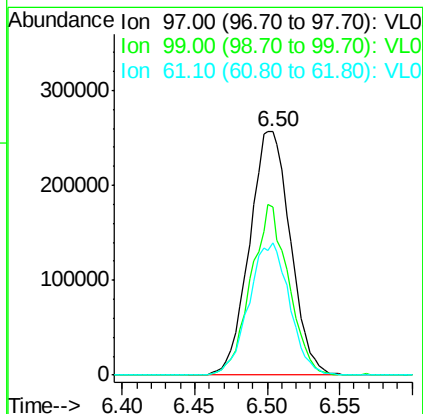
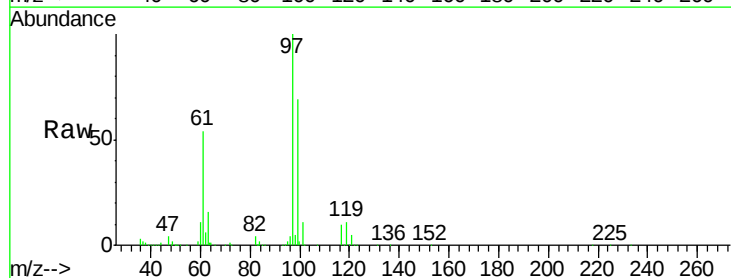
Tot Ion	Ratio	Lower	Upper
61	100		
96	60.5	49.8	74.8
98	35.8	32.2	48.4

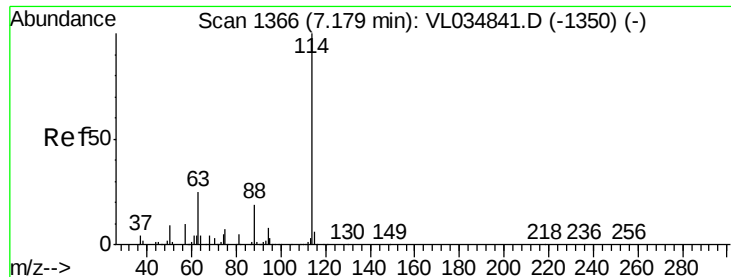


#32

1,1,1-Trichloroethane
 Concen: 3.991 ppbv
 RT: 6.50 min Scan# 1156
 Delta R.T. -0.00 min
 Lab File: VL034905.D
 Acq: 17 Mar 2020 00:38

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.1	76.7
61	54.0	39.7	59.5

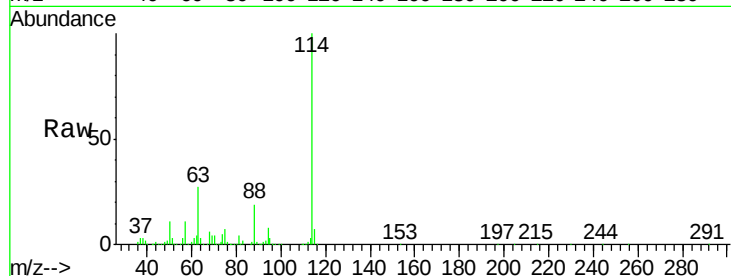




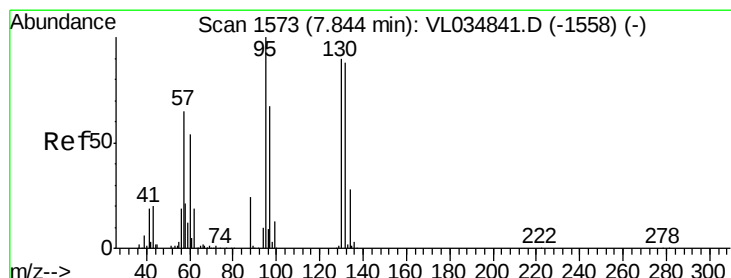
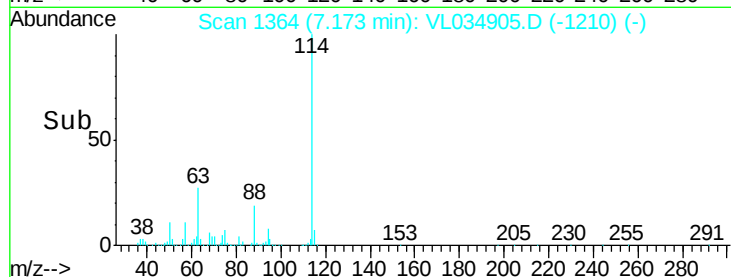
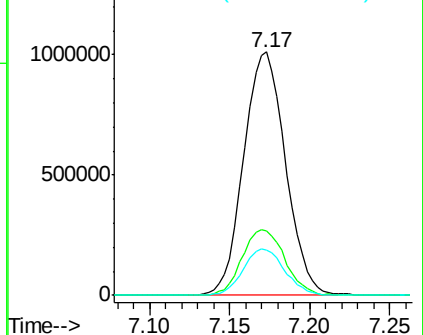
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VL034905.D
 Acq: 17 Mar 2020 00:38

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-02DL

Tot Ion:114 Resp: 1806206
 Ion Ratio Lower Upper
 114 100
 63 27.6 20.6 31.0
 88 19.1 15.0 22.6

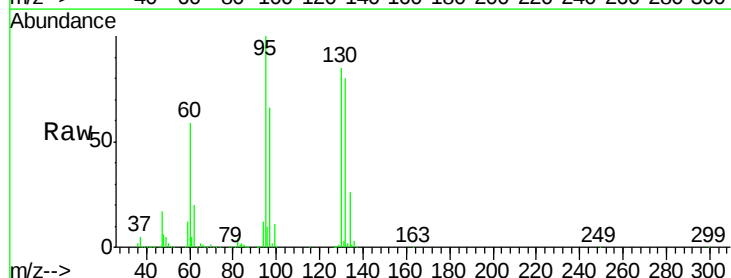


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

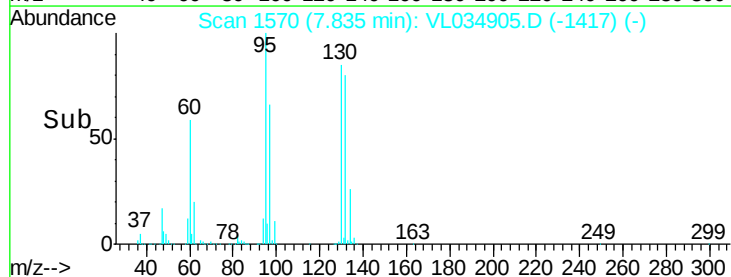
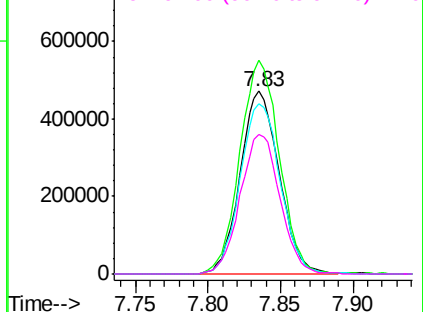


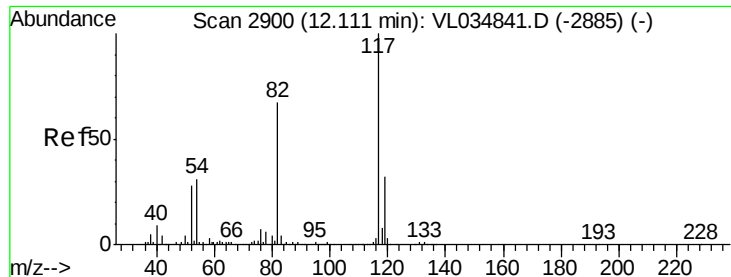
#38
 Trichloroethene
 Concen: 14.480 ppbv
 RT: 7.83 min Scan# 1570
 Delta R.T. -0.01 min
 Lab File: VL034905.D
 Acq: 17 Mar 2020 00:38

Tgt Ion:130 Resp: 885393
 Ion Ratio Lower Upper
 130 100
 95 117.0 88.5 132.7
 132 93.0 78.0 117.0
 97 76.7 59.3 88.9



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

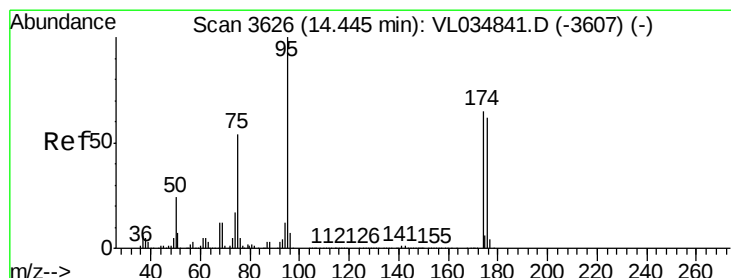
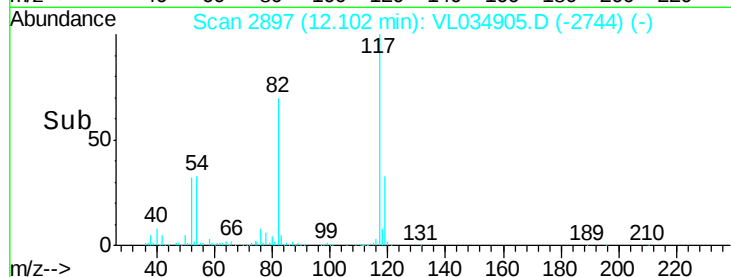
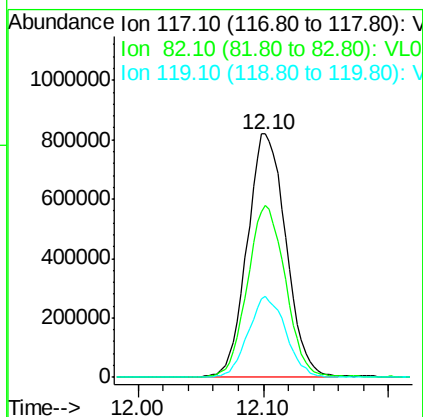
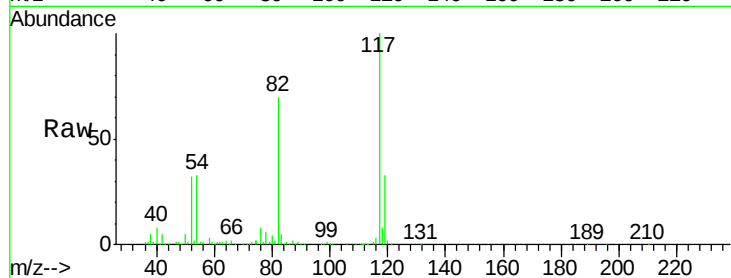




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2897
Delta R.T. -0.01 min
Lab File: VL034905.D
Acq: 17 Mar 2020 00:38

Instrument :
MSVOA_L
ClientSampleID :
SV-02DL

Tot Ion:117 Resp: 1762654
Ion Ratio Lower Upper
117 100
82 69.8 51.1 76.7
119 32.4 27.3 40.9



#68
1-Bromo-4-Fluorobenzene
Concen: 10.381 ppbv
RT: 14.44 min Scan# 3624
Delta R.T. -0.01 min
Lab File: VL034905.D
Acq: 17 Mar 2020 00:38

Tgt Ion: 95 Resp: 1427070
Ion Ratio Lower Upper
95 100
174 64.2 55.2 82.8
175 4.6 4.3 6.5

