

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL120219\
 Data File : VL034430.D
 Acq On : 2 Dec 2019 17:31
 Operator : SY/AP
 Sample : K6068-02DL2 100X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-2DL2

Quant Time: Dec 03 02:50:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111919AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Tue Nov 19 14:15:35 2019
 QLast Update : Tue Nov 19 14:15:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	857654	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.21	114	1721964	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.15	117	1672501	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.48	95	1399327	9.95	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.50%

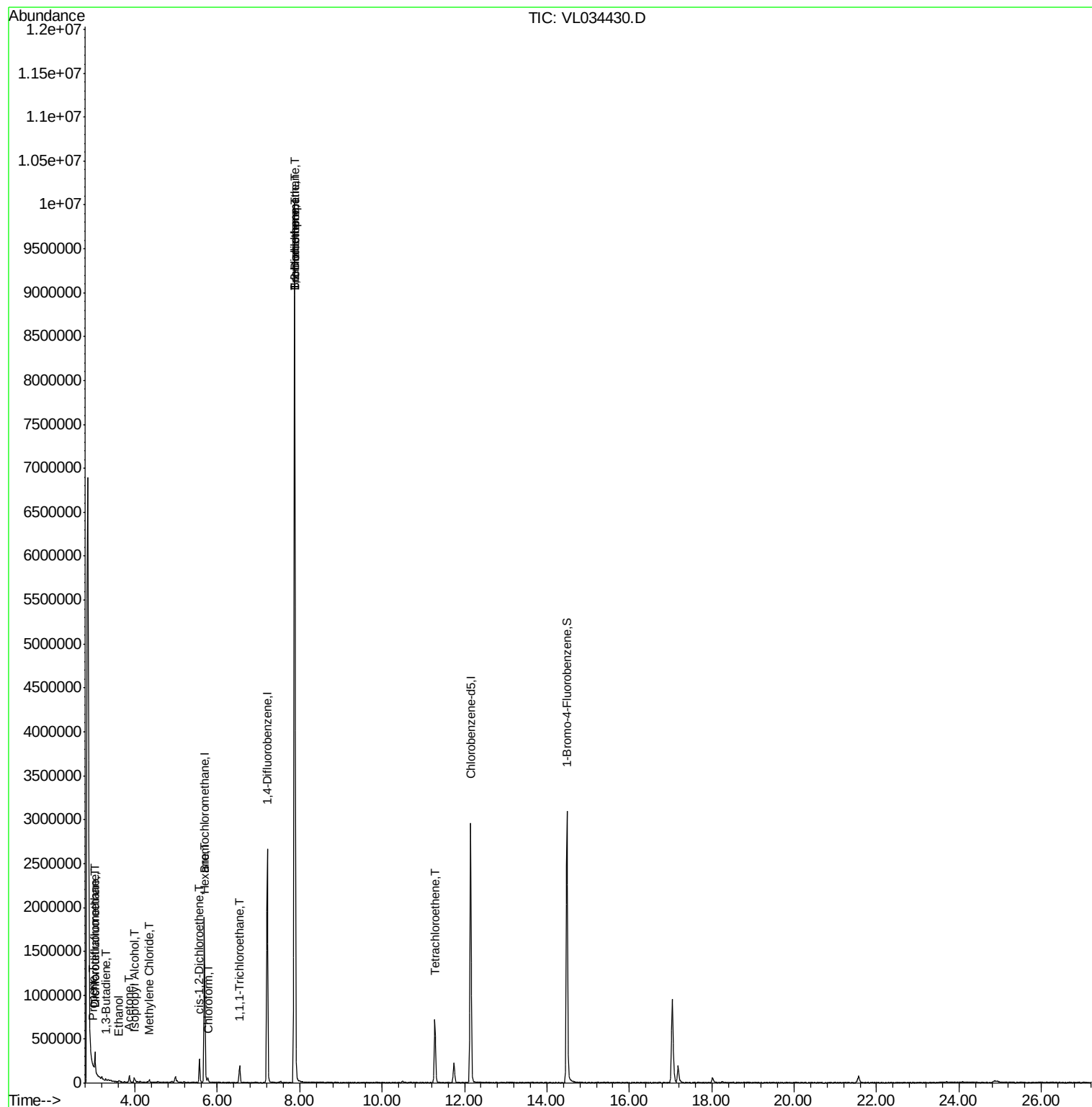
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.03	85	143391	0.924	ppbv	90
8) Dichlorotetrafluoroethane	3.03	85	143391	1.029	ppbv #	18
9) Propene	2.99	41	3614	0.076	ppbv #	50
13) Ethanol	3.61	45	7466	0.564	ppbv	67
15) Acetone	3.87	43	64205	0.523	ppbv	91
16) 1,3-Butadiene	3.29	39	2185	0.041	ppbv #	9
19) Isopropyl Alcohol	3.99	45	56152	0.713	ppbv #	97
20) Methylene Chloride	4.35	84	5269	0.121	ppbv #	81
26) Hexane	5.70	57	5058	0.054	ppbv #	43
29) Chloroform	5.77	83	25451	0.167	ppbv	97
31) cis-1,2-Dichloroethene	5.56	61	148513	1.526	ppbv	94
32) 1,1,1-Trichloroethane	6.54	97	87176	0.610	ppbv #	80
38) Trichloroethene	7.88	130	3092941	43.785	ppbv	98
39) 1,2-Dichloropropane	7.87	63	6345	0.096	ppbv #	1
42) Bromodichloromethane	7.88	83	49135	0.307	ppbv	97
52) Tetrachloroethene	11.29	164	66376	0.891	ppbv	96

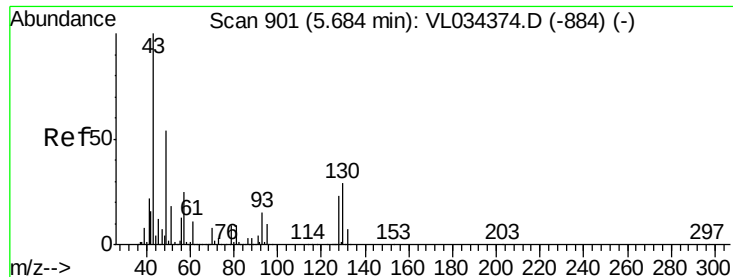
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL120219\
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ClientSampled :
SV-2DL2

Quant Time: Dec 03 02:50:35 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL111919AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Nov 19 14:15:35 2019
QLast Update : Tue Nov 19 14:15:35 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69 min Scan# 902

Delta R.T. 0.00 min

Lab File: VL034430.D

Acq: 2 Dec 2019 17:31

Instrument :

MSVOA_L

ClientSampleId :

SV-2DL2

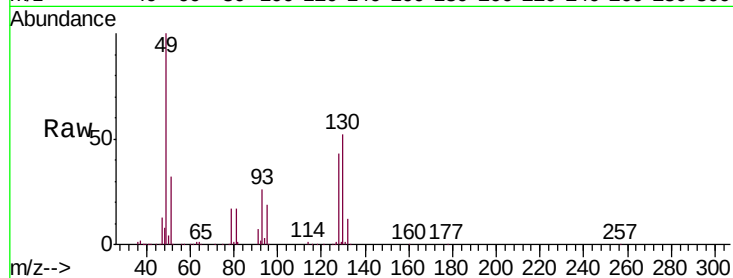
Tgt Ion: 49 Resp: 857654

Ion Ratio Lower Upper

49 100

128 44.0 21.8 65.3

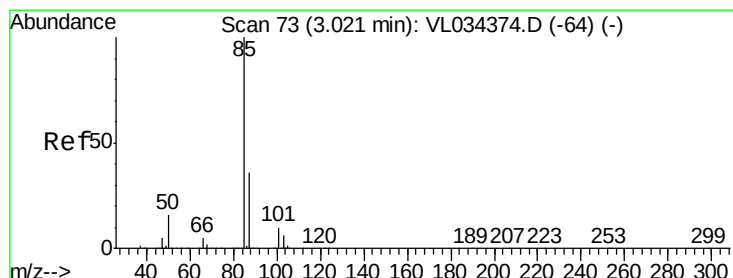
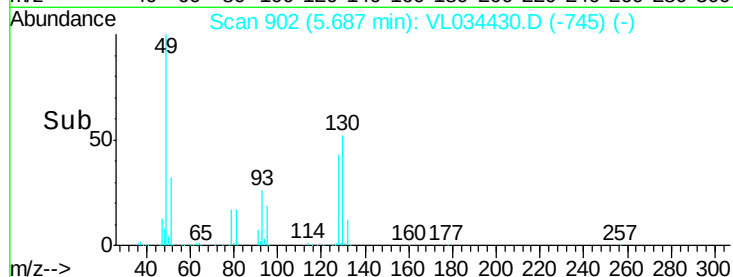
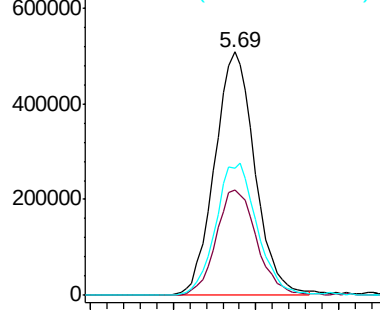
130 56.4 28.0 84.0



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.924 ppbv

RT: 3.03 min Scan# 76

Delta R.T. 0.01 min

Lab File: VL034430.D

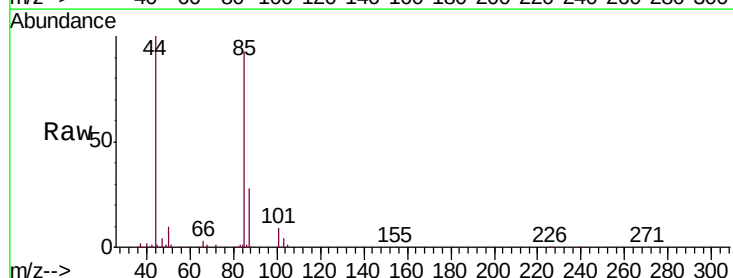
Acq: 2 Dec 2019 17:31

Tgt Ion: 85 Resp: 143391

Ion Ratio Lower Upper

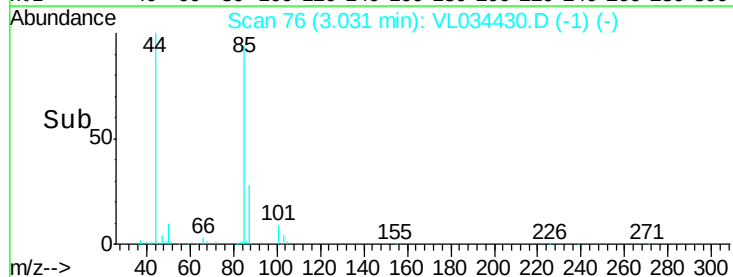
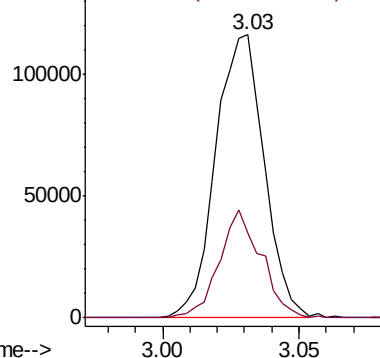
85 100

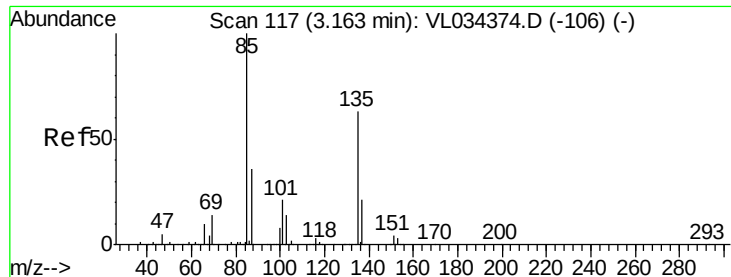
87 29.9 28.5 42.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#8

Dichlorotetrafluoroethane

Concen: 1.029 ppbv

RT: 3.03 min Scan# 76

Delta R.T. -0.13 min

Lab File: VL034430.D

Acq: 2 Dec 2019 17:31

Instrument :

MSVOA_L

ClientSampleId :

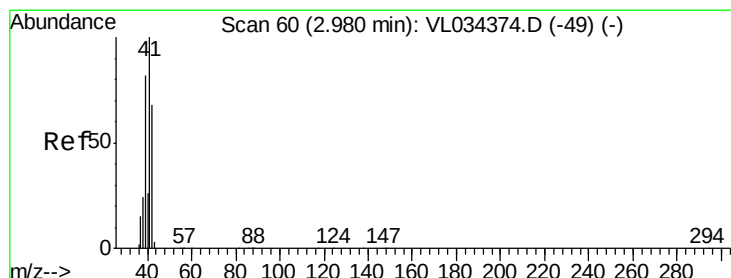
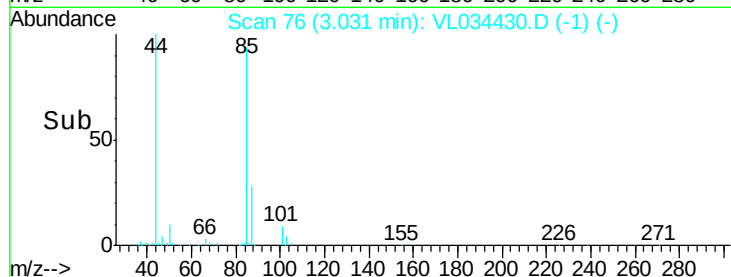
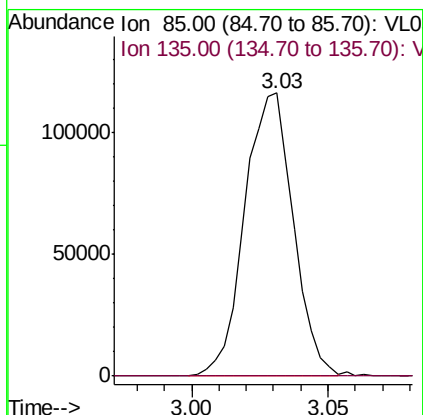
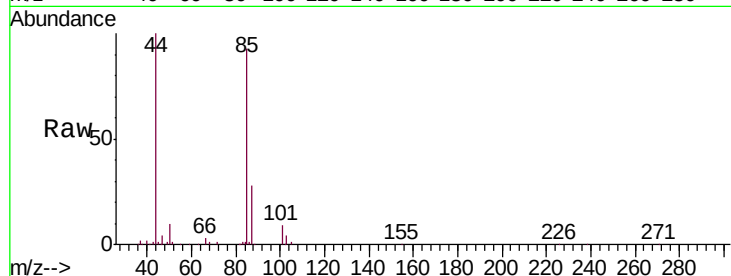
SV-2DL2

Tgt Ion: 85 Resp: 143391

Ion Ratio Lower Upper

85 100

135 0.0 51.1 76.7#



#9

Propene

Concen: 0.076 ppbv

RT: 2.99 min Scan# 64

Delta R.T. 0.01 min

Lab File: VL034430.D

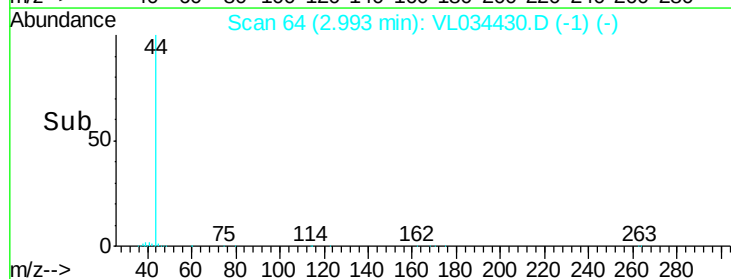
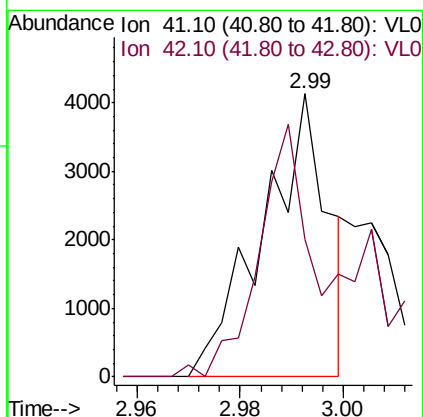
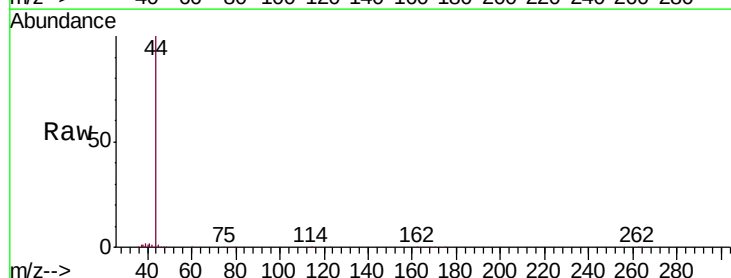
Acq: 2 Dec 2019 17:31

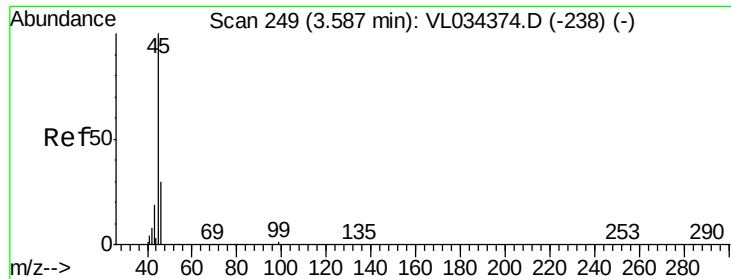
Tgt Ion: 41 Resp: 3614

Ion Ratio Lower Upper

41 100

42 108.9 54.6 82.0#

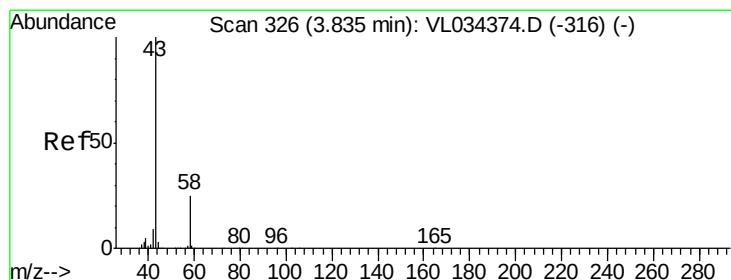
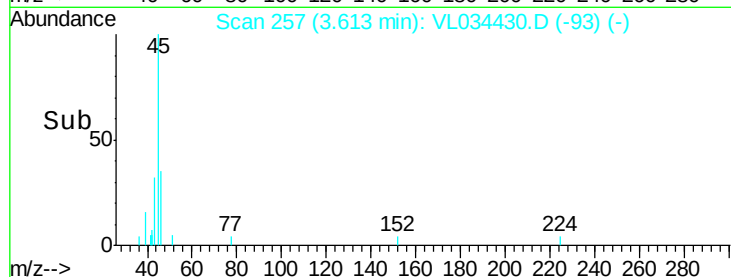
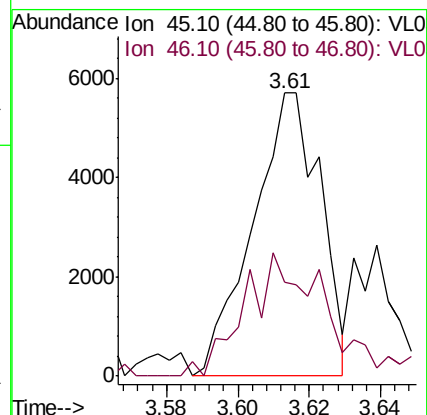
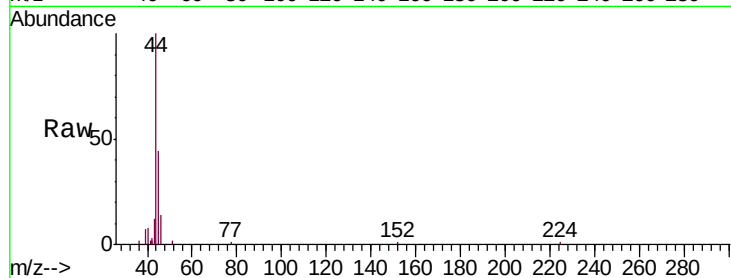




#13
Ethanol
Concen: 0.564 ppbv
RT: 3.61 min Scan# 257
Delta R.T. 0.03 min
Lab File: VL034430.D
Acq: 2 Dec 2019 17:31

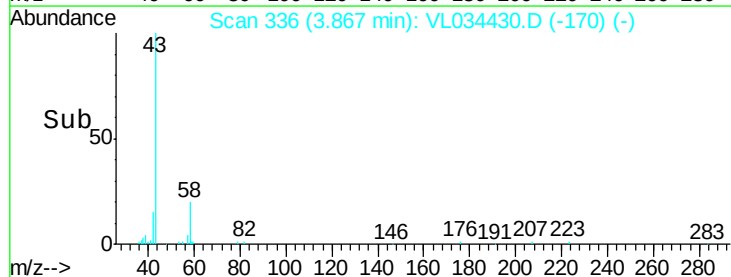
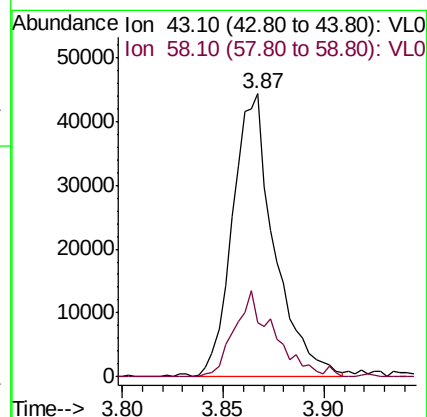
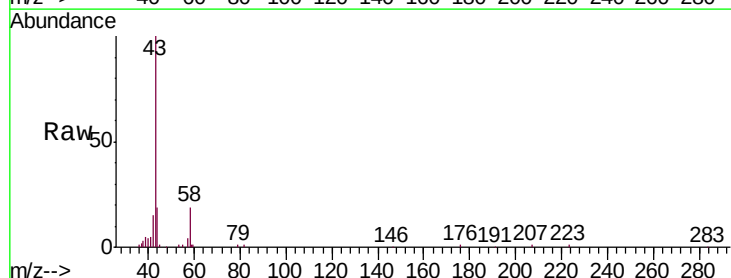
Instrument :
MSVOA_L
ClientSampleId :
SV-2DL2

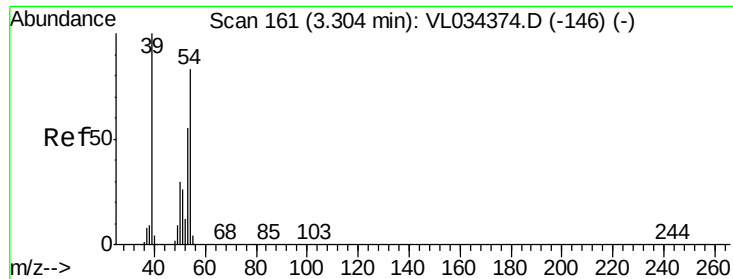
Tgt Ion: 45 Resp: 7466
Ion Ratio Lower Upper
45 100
46 53.6 13.8 55.4



#15
Acetone
Concen: 0.523 ppbv
RT: 3.87 min Scan# 336
Delta R.T. 0.03 min
Lab File: VL034430.D
Acq: 2 Dec 2019 17:31

Tgt Ion: 43 Resp: 64205
Ion Ratio Lower Upper
43 100
58 29.6 20.2 30.4

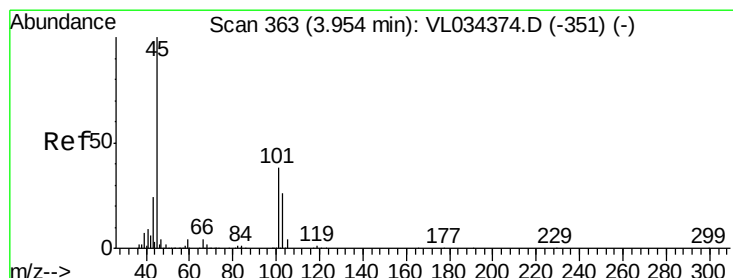
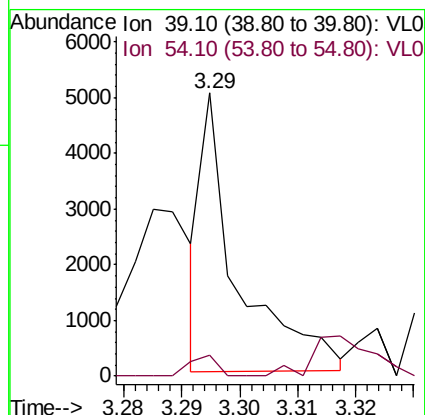
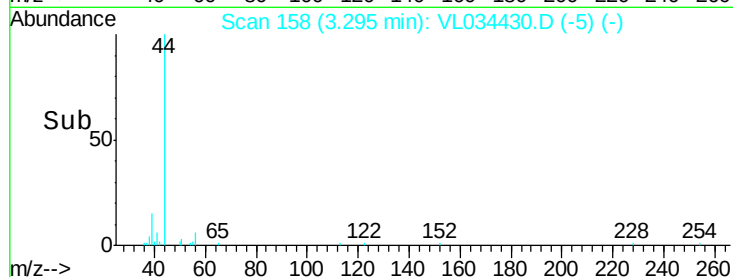
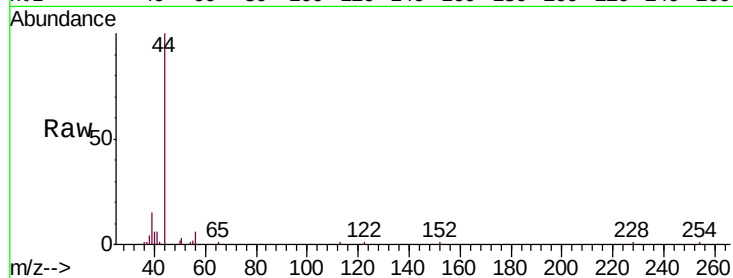




#16
1,3-Butadiene
Concen: 0.041 ppbv
RT: 3.29 min Scan# 158
Delta R.T. -0.01 min
Lab File: VL034430.D
Acq: 2 Dec 2019 17:31

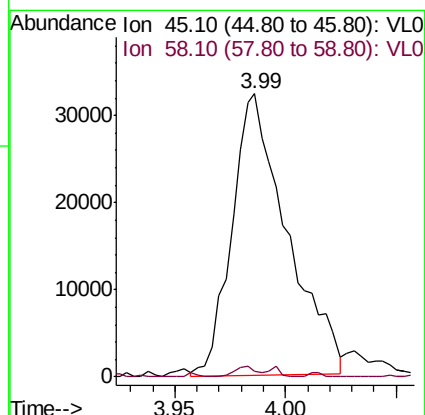
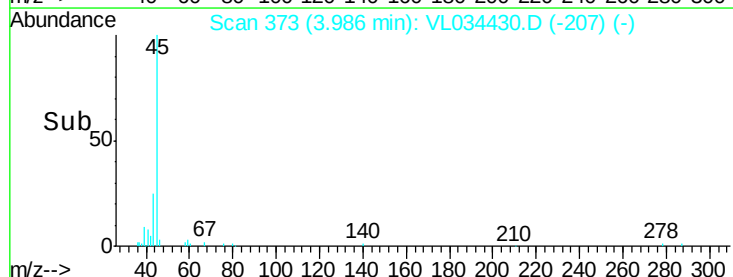
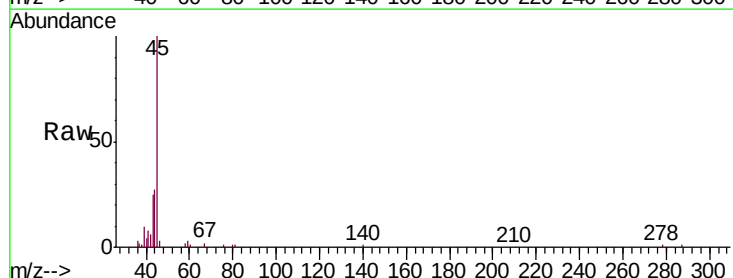
Instrument :
MSVOA_L
ClientSampleId :
SV-2DL2

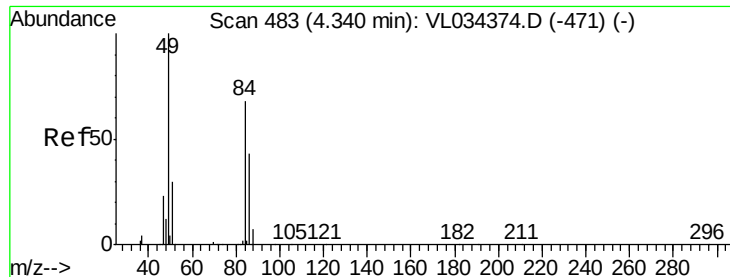
Tgt Ion: 39 Resp: 2185
Ion Ratio Lower Upper
39 100
54 0.0 64.7 97.1#



#19
Isopropyl Alcohol
Concen: 0.713 ppbv
RT: 3.99 min Scan# 373
Delta R.T. 0.03 min
Lab File: VL034430.D
Acq: 2 Dec 2019 17:31

Tgt Ion: 45 Resp: 56152
Ion Ratio Lower Upper
45 100
58 2.8 1.3 1.9#

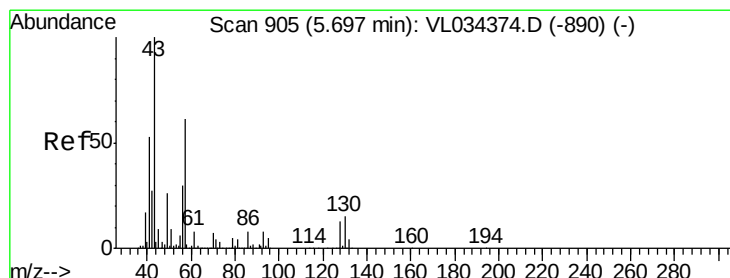
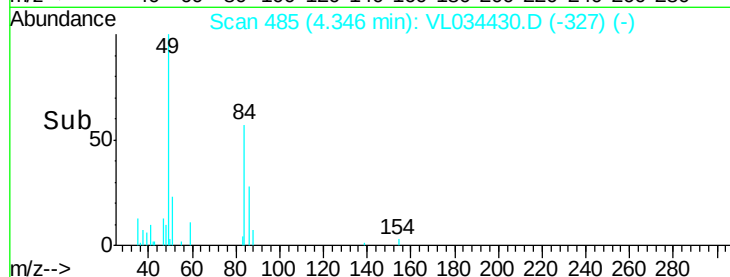
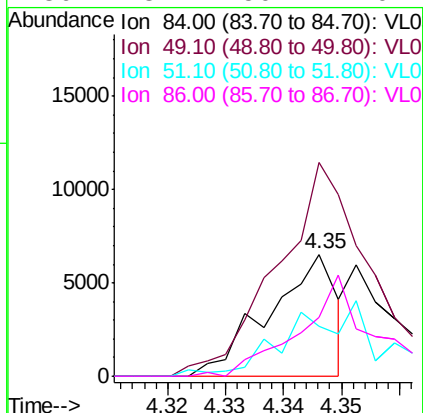
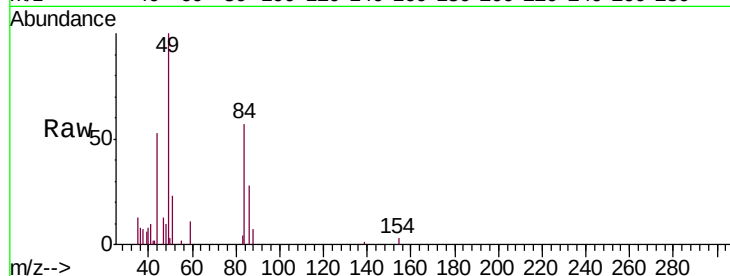




#20
Methylene Chloride
Concen: 0.121 ppbv
RT: 4.35 min Scan# 485
Delta R.T. 0.01 min
Lab File: VL034430.D
Acq: 2 Dec 2019 17:31

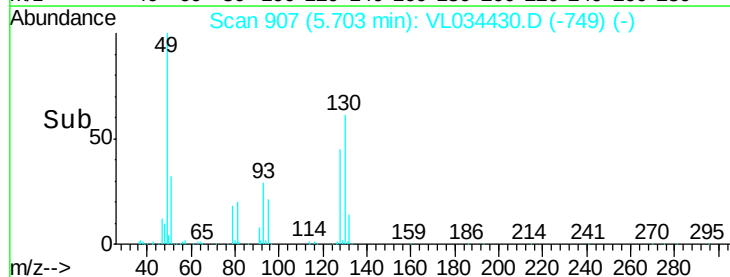
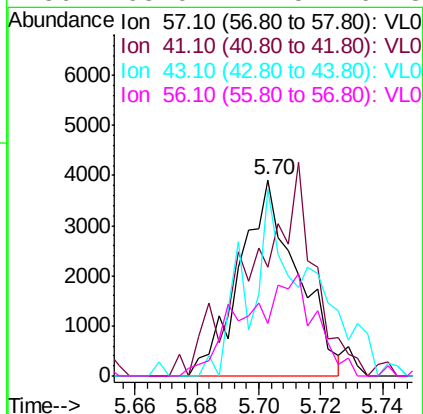
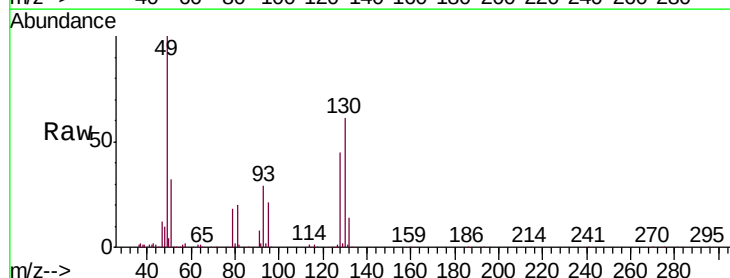
Instrument :
MSVOA_L
ClientSampleId :
SV-2DL2

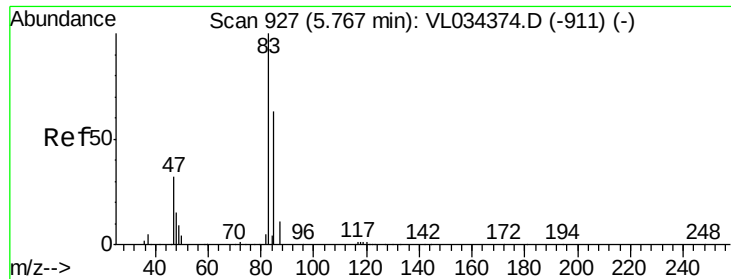
Tgt Ion:	84	Resp:	5269
Ion	Ratio	Lower	Upper
84	100		
49	171.4	116.8	175.2
51	35.8	35.6	53.4
86	48.4	50.7	76.1#



#26
Hexane
Concen: 0.054 ppbv
RT: 5.70 min Scan# 907
Delta R.T. 0.01 min
Lab File: VL034430.D
Acq: 2 Dec 2019 17:31

Tgt Ion:	57	Resp:	5058
Ion	Ratio	Lower	Upper
57	100		
41	117.9	75.0	112.4#
43	102.7	186.6	279.8#
56	65.0	41.5	62.3#

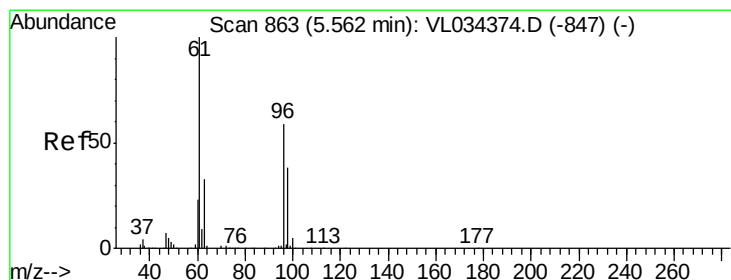
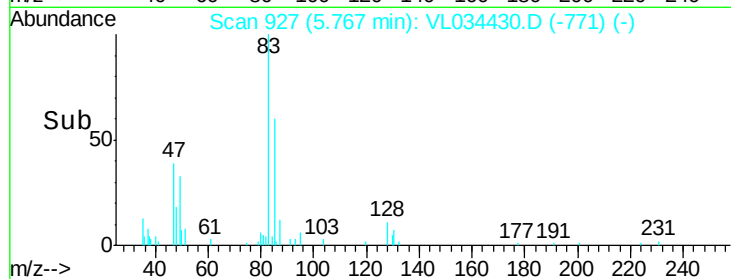
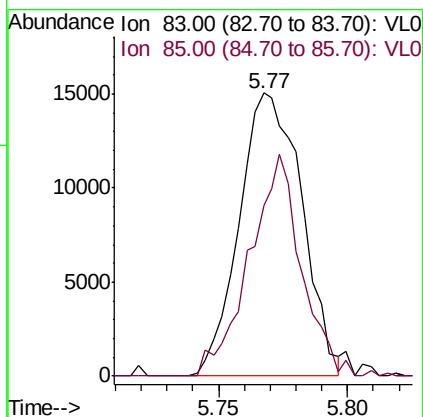
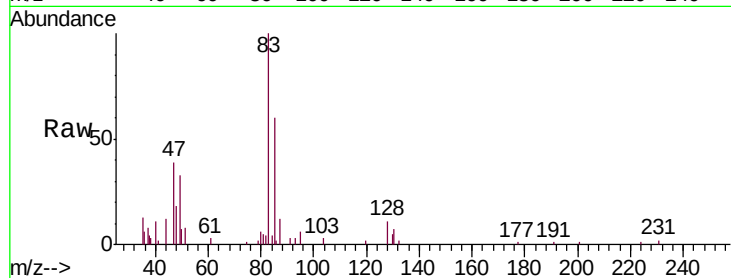




#29
Chloroform
Concen: 0.167 ppbv
RT: 5.77 min Scan# 927
Delta R.T. 0.00 min
Lab File: VL034430.D
Acq: 2 Dec 2019 17:31

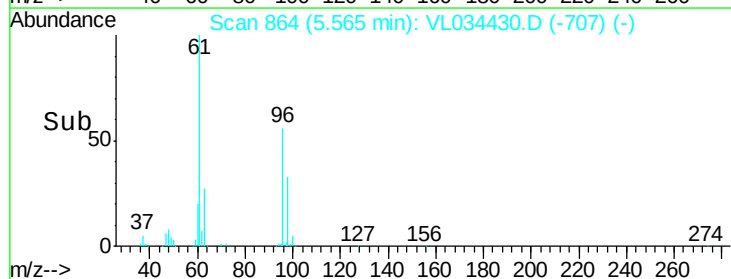
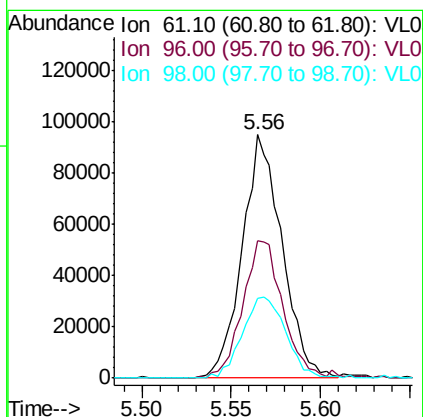
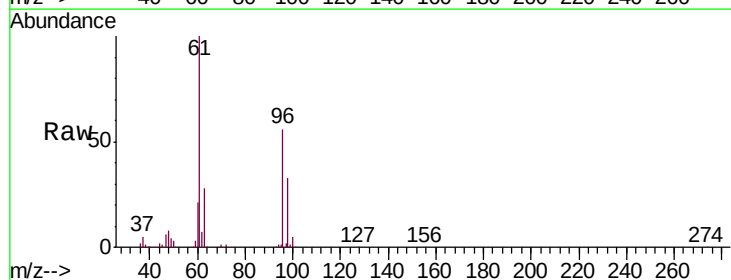
Instrument :
MSVOA_L
ClientSampleId :
SV-2DL2

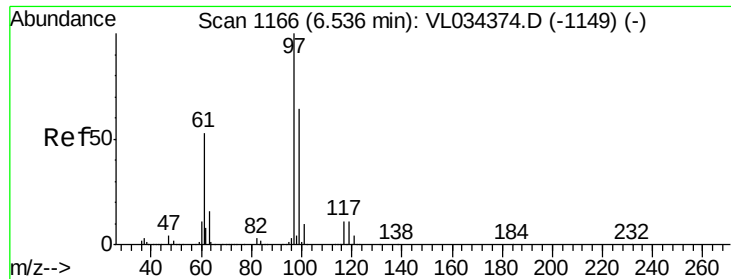
Tgt Ion: 83 Resp: 25451
Ion Ratio Lower Upper
83 100
85 60.4 50.4 75.6



#31
cis-1,2-Dichloroethene
Concen: 1.526 ppbv
RT: 5.56 min Scan# 864
Delta R.T. 0.00 min
Lab File: VL034430.D
Acq: 2 Dec 2019 17:31

Tgt Ion: 61 Resp: 148513
Ion Ratio Lower Upper
61 100
96 56.4 47.4 71.2
98 32.8 30.6 45.8





#32

1,1,1-Trichloroethane

Concen: 0.610 ppbv

RT: 6.54 min Scan# 1168

Delta R.T. 0.01 min

Lab File: VL034430.D

Acq: 2 Dec 2019 17:31

Instrument :

MSVOA_L

ClientSampleId :

SV-2DL2

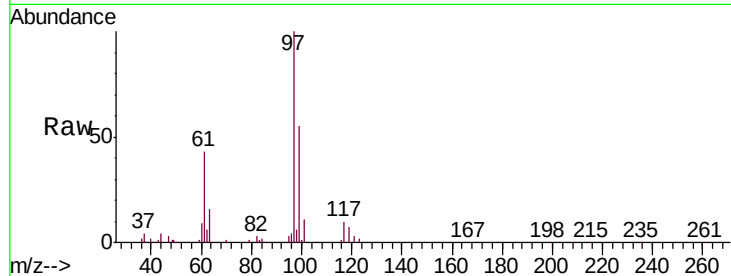
Tgt Ion: 97 Resp: 87176

Ion Ratio Lower Upper

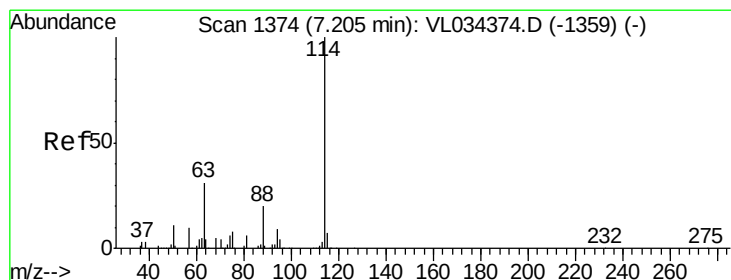
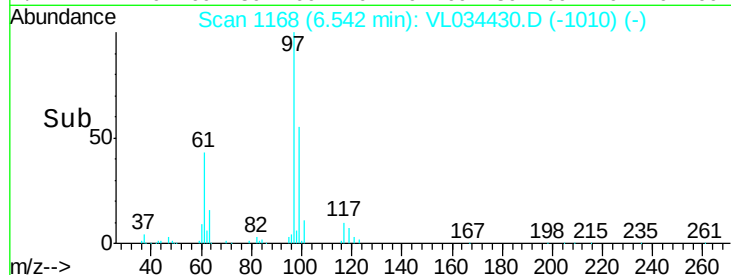
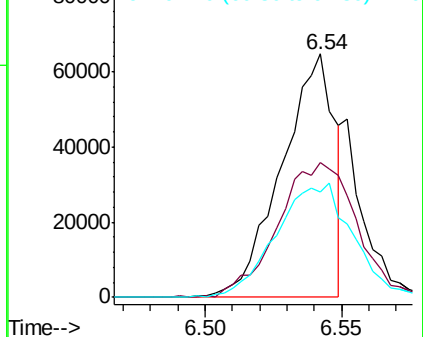
97 100

99 82.5 52.3 78.5#

61 67.8 43.7 65.5#



Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.21 min Scan# 1376

Delta R.T. 0.01 min

Lab File: VL034430.D

Acq: 2 Dec 2019 17:31

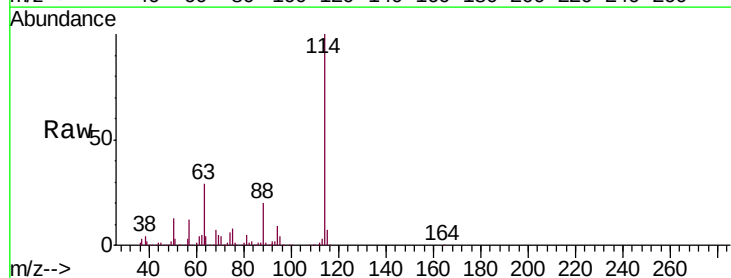
Tgt Ion: 114 Resp: 1721964

Ion Ratio Lower Upper

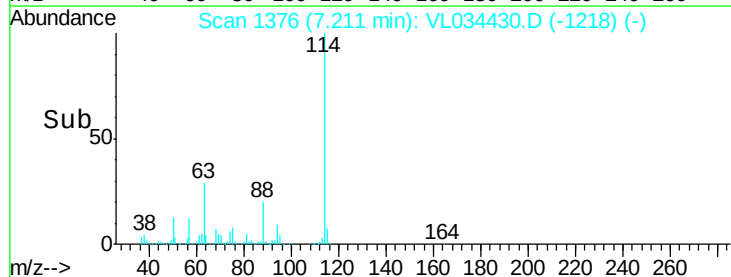
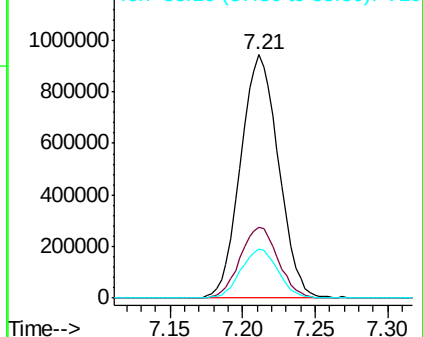
114 100

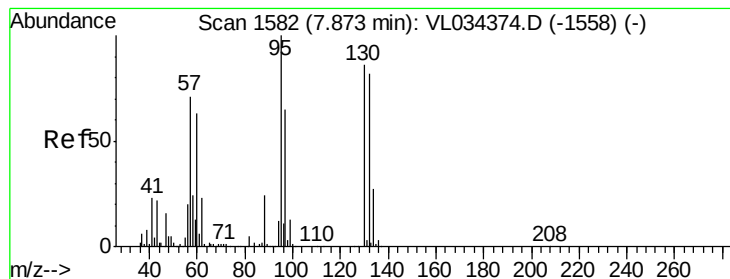
63 29.4 24.2 36.4

88 19.8 15.9 23.9



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: 43.785 ppbv

RT: 7.88 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VL034430.D

Acq: 2 Dec 2019 17:31

Instrument :

MSVOA_L

ClientSampleId :

SV-2DL2

Tgt Ion:130 Resp: 3092941

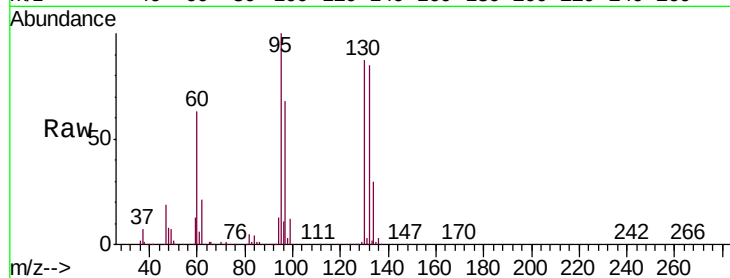
Ion Ratio Lower Upper

130 100

95 115.5 93.4 140.0

132 97.7 76.4 114.6

97 78.8 61.1 91.7

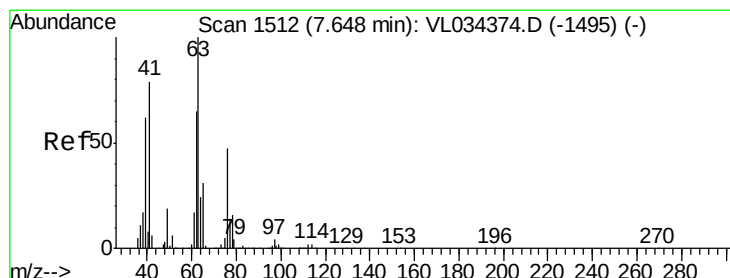
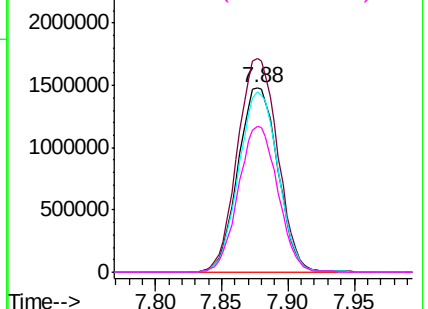
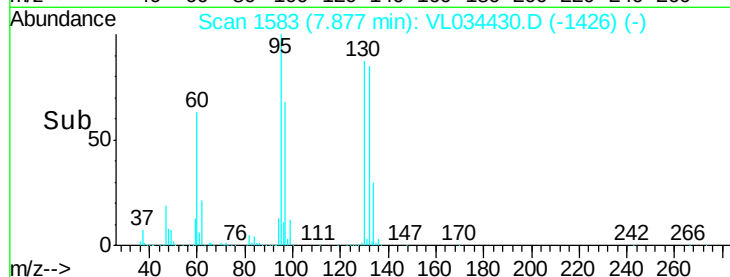


Abundance Ion 130.00 (129.70 to 130.70): V

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



#39

1,2-Dichloropropane

Concen: 0.096 ppbv

RT: 7.87 min Scan# 1580

Delta R.T. 0.22 min

Lab File: VL034430.D

Acq: 2 Dec 2019 17:31

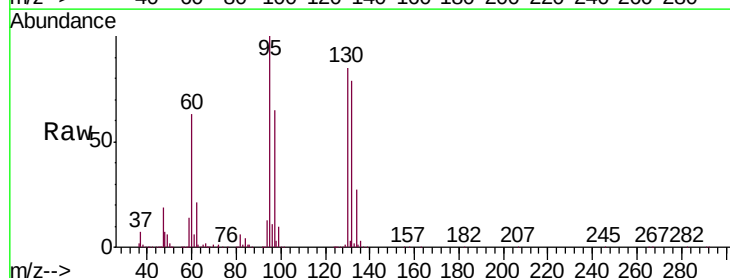
Tgt Ion: 63 Resp: 6345

Ion Ratio Lower Upper

63 100

41 3.6 63.1 94.7#

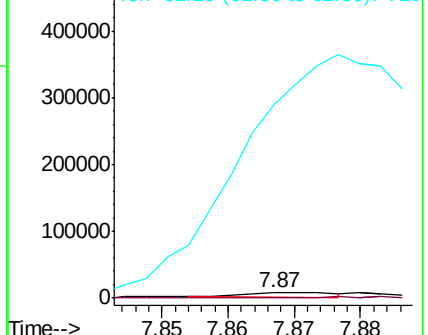
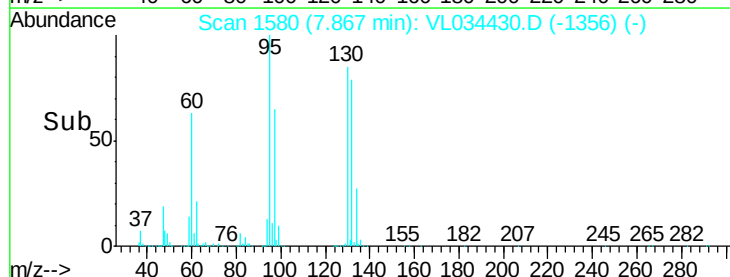
62 3226.3 52.3 78.5#

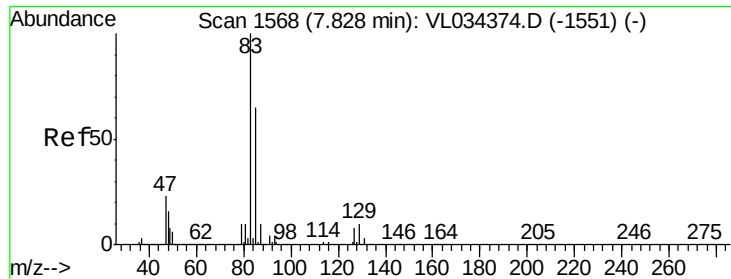


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0





#42

Bromodichloromethane

Concen: 0.307 ppbv

RT: 7.88 min Scan# 1583

Delta R.T. 0.05 min

Lab File: VL034430.D

Acq: 2 Dec 2019 17:31

Instrument :

MSVOA_L

ClientSampleId :

SV-2DL2

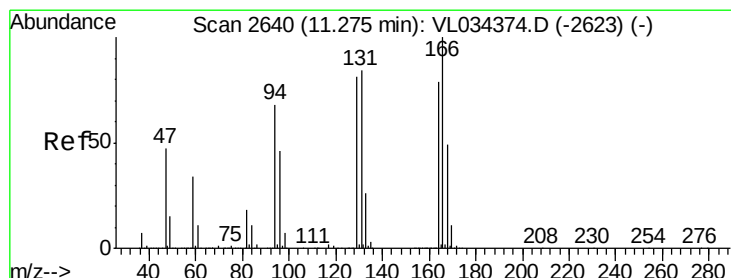
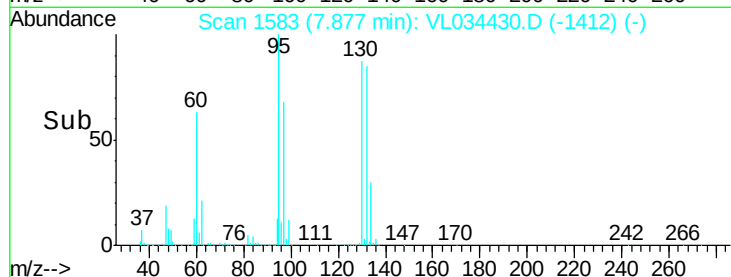
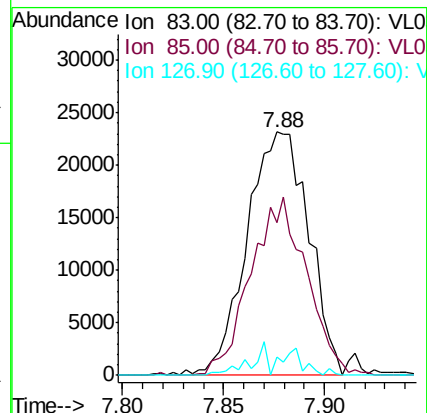
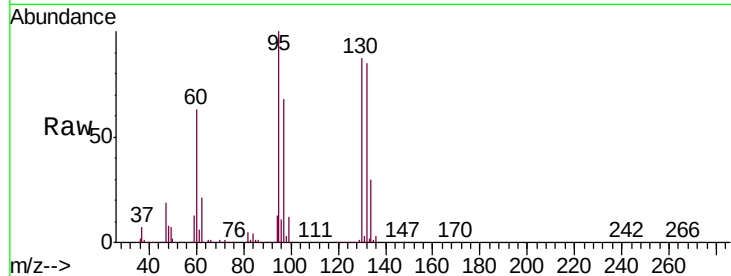
Tgt Ion: 83 Resp: 49135

Ion Ratio Lower Upper

83 100

85 62.8 52.3 78.5

127 7.5 6.1 9.1



#52

Tetrachloroethene

Concen: 0.891 ppbv

RT: 11.29 min Scan# 2644

Delta R.T. 0.01 min

Lab File: VL034430.D

Acq: 2 Dec 2019 17:31

Tgt Ion: 164 Resp: 66376

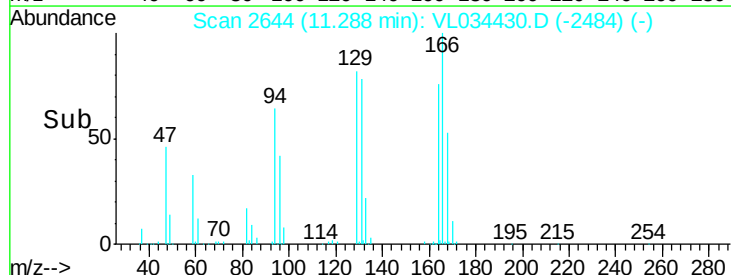
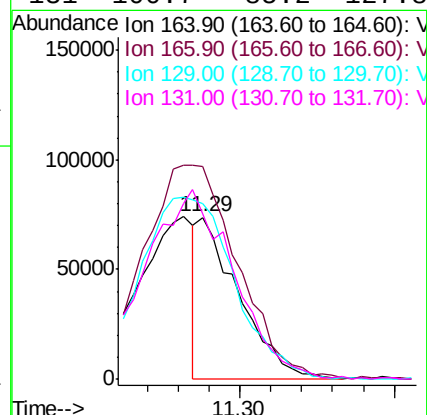
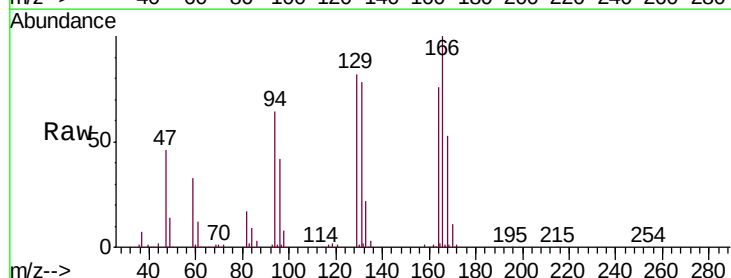
Ion Ratio Lower Upper

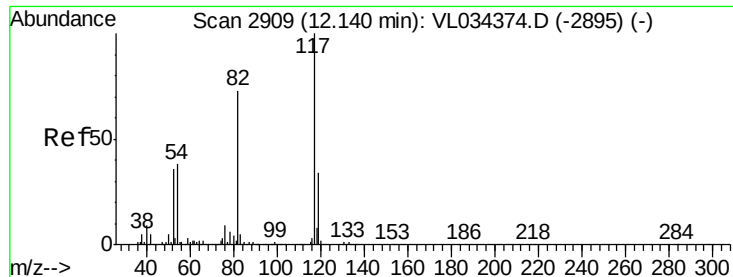
164 100

166 130.9 101.7 152.5

129 107.5 82.6 123.8

131 100.7 85.2 127.8

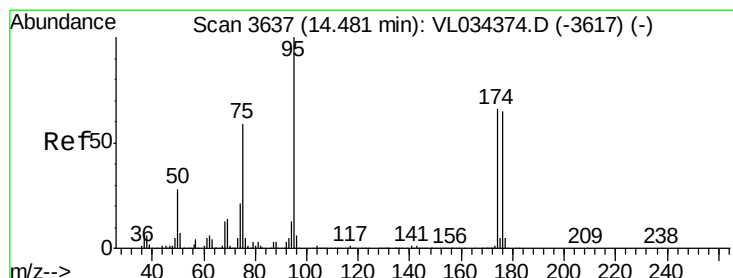
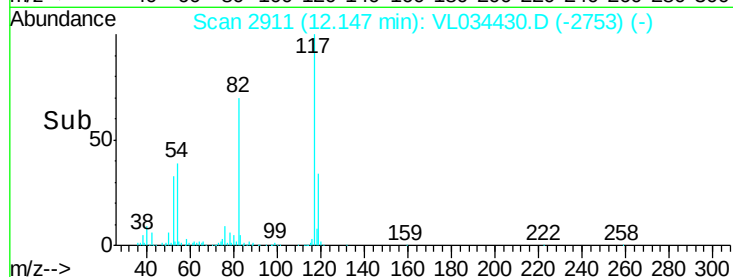
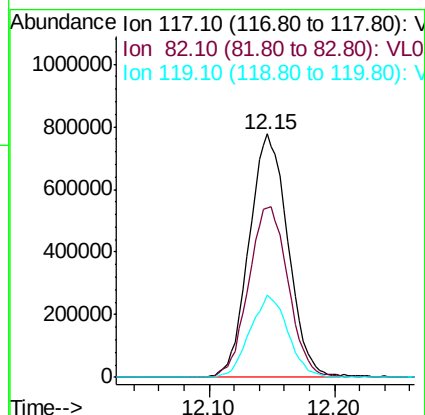
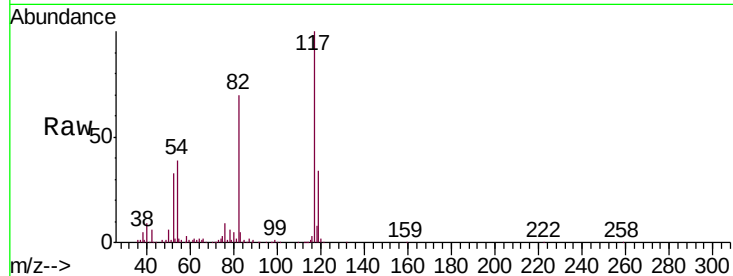




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.15 min Scan# 2911
Delta R.T. 0.01 min
Lab File: VL034430.D
Acq: 2 Dec 2019 17:31

Instrument :
MSVOA_L
ClientSampled :
SV-2DL2

Tgt Ion: 117 Resp: 1672501
Ion Ratio Lower Upper
117 100
82 71.9 57.5 86.3
119 33.1 25.4 38.2



#68
1-Bromo-4-Fluorobenzene
Concen: 9.945 ppbv
RT: 14.48 min Scan# 3638
Delta R.T. 0.00 min
Lab File: VL034430.D
Acq: 2 Dec 2019 17:31

Tgt Ion: 95 Resp: 1399327
Ion Ratio Lower Upper
95 100
174 66.0 52.2 78.2
175 4.8 3.8 5.8

