

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL120919\
 Data File : VL034467.D
 Acq On : 9 Dec 2019 16:46
 Operator : SY/AP
 Sample : K6195-01DL 10X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 NS-2DL

Quant Time: Dec 10 03:39:58 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	5.67	49	990538	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	1904607	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.13	117	1928661	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.47	95	1639105	10.10	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.00%

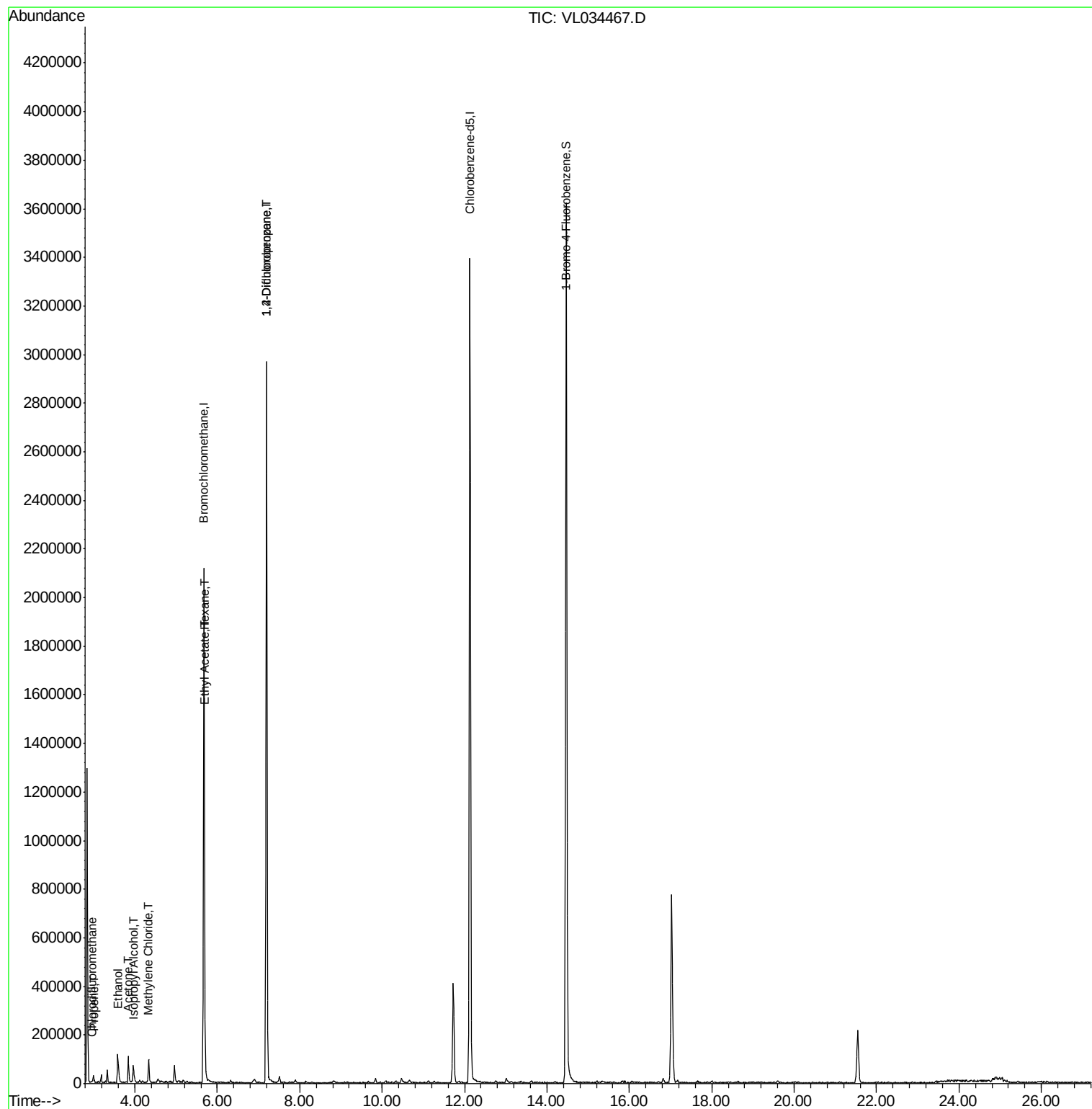
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chlorodifluoromethane	2.95	51	4369	0.035	ppbv #	88
9) Propene	2.99	41	4190	0.076	ppbv	90
13) Ethanol	3.58	45	128590	8.413	ppbv	96
15) Acetone	3.84	43	92959	0.655	ppbv	91
19) Isopropyl Alcohol	3.96	45	66335	0.730	ppbv #	97
20) Methylene Chloride	4.34	84	16038	0.319	ppbv	92
25) Ethyl Acetate	5.69	43	25553	0.101	ppbv #	79
26) Hexane	5.69	57	33065	0.304	ppbv #	39
39) 1,2-Dichloropropane	7.19	63	577383	7.872	ppbv #	24

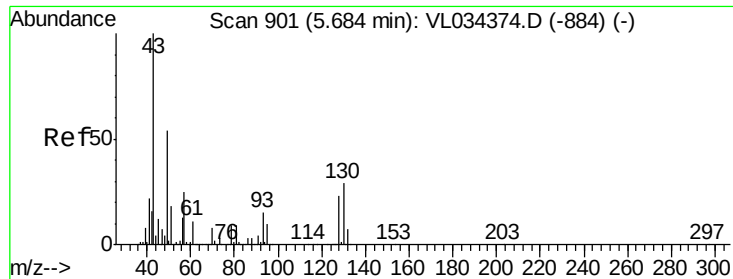
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL111919AIR.M
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 898

Delta R.T. -0.01 min

Lab File: VL034467.D

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Instrument :

MSVOA_L

ClientSampleId :

NS-2DL

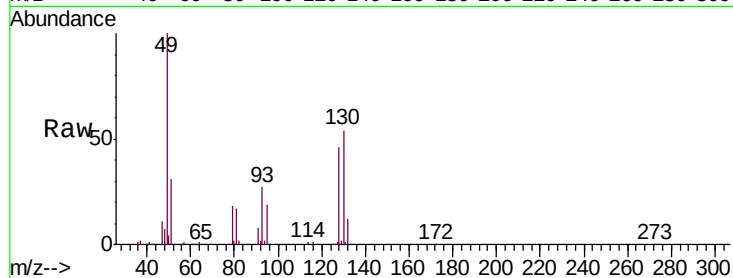
Tgt Ion: 49 Resp: 990538

Ion Ratio Lower Upper

49 100

128 43.2 21.8 65.3

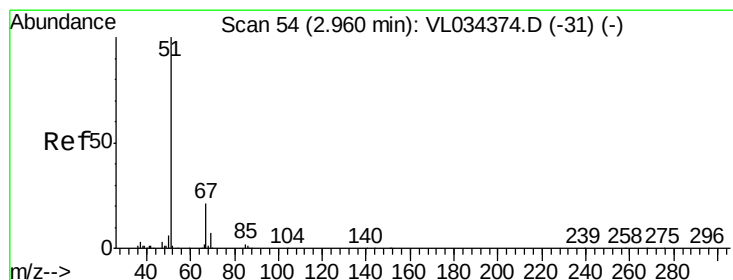
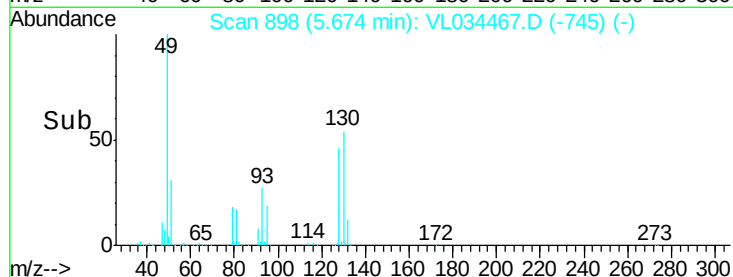
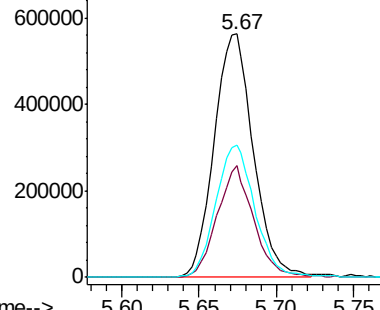
130 54.8 28.0 84.0



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



#3

Chlorodifluoromethane

Concen: 0.035 ppbv

RT: 2.95 min Scan# 52

Delta R.T. -0.01 min

Lab File: VL034467.D

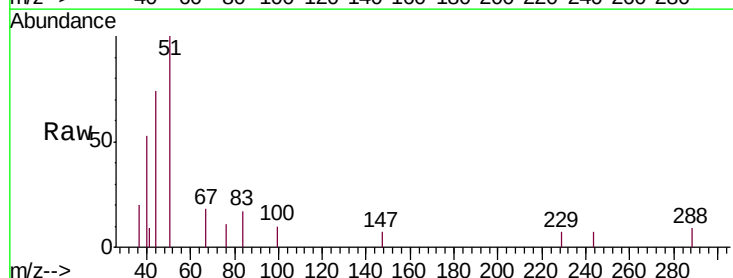
Acq: 9 Dec 2019 16:46

Tgt Ion: 51 Resp: 4369

Ion Ratio Lower Upper

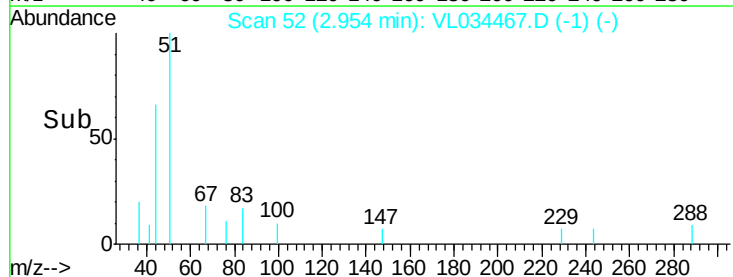
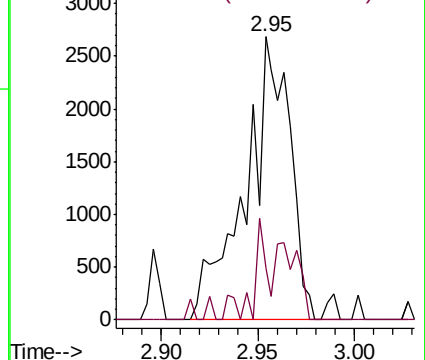
51 100

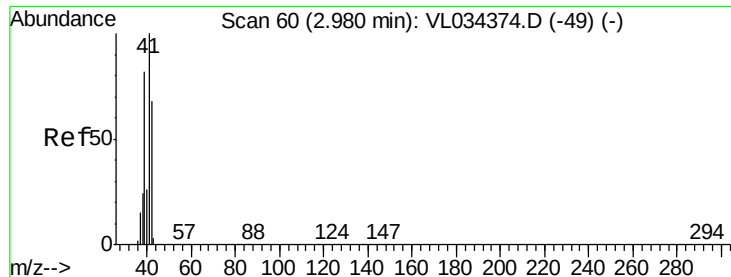
67 25.6 16.2 24.2#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#9

Propene

Concen: 0.076 ppbv

RT: 2.99 min Scan# 62

Delta R.T. 0.01 min

Lab File: VL034467.D

Acq: 9 Dec 2019 16:46

Instrument :

MSVOA_L

ClientSampleId :

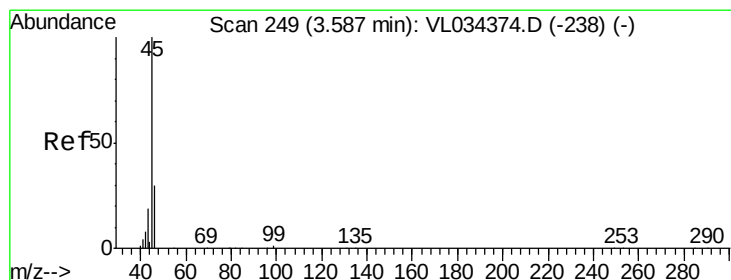
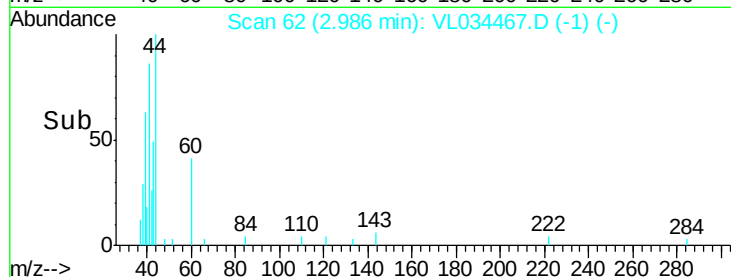
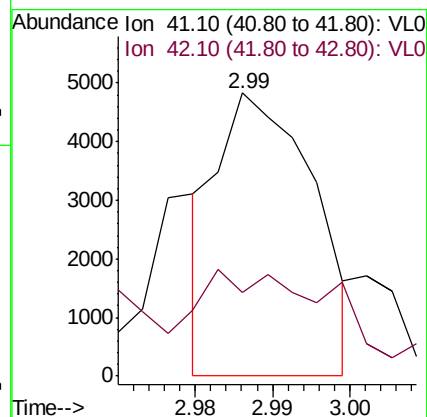
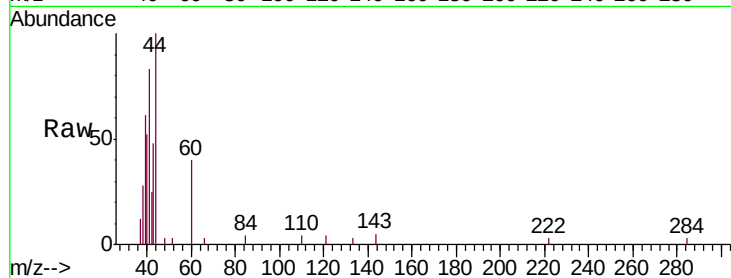
NS-2DL

Tgt Ion: 41 Resp: 4190

Ion Ratio Lower Upper

41 100

42 76.4 54.6 82.0



#13

Ethanol

Concen: 8.413 ppbv

RT: 3.58 min Scan# 247

Delta R.T. -0.01 min

Lab File: VL034467.D

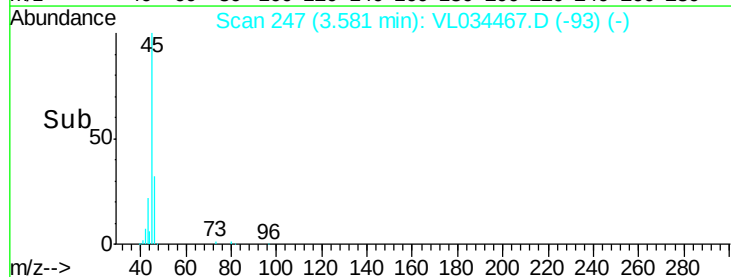
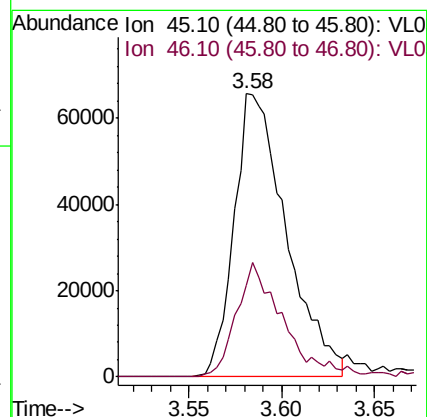
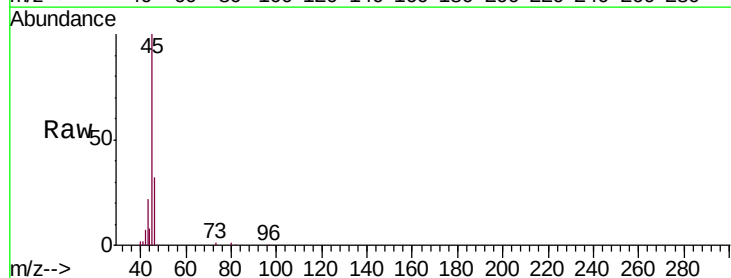
Acq: 9 Dec 2019 16:46

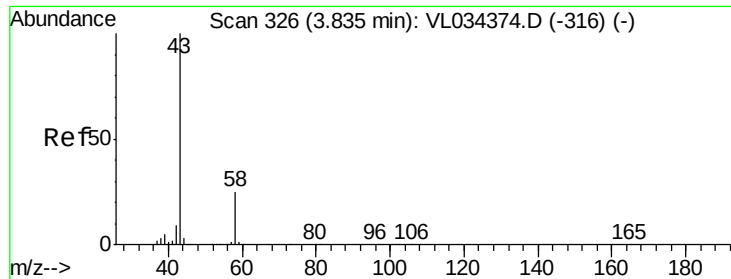
Tgt Ion: 45 Resp: 128590

Ion Ratio Lower Upper

45 100

46 36.7 13.8 55.4





#15

Acetone

Concen: 0.655 ppbv

RT: 3.84 min Scan# 327

Delta R.T. 0.00 min

Lab File: VL034467.D

Acq: 9 Dec 2019 16:46

Instrument :

MSVOA_L

ClientSampleId :

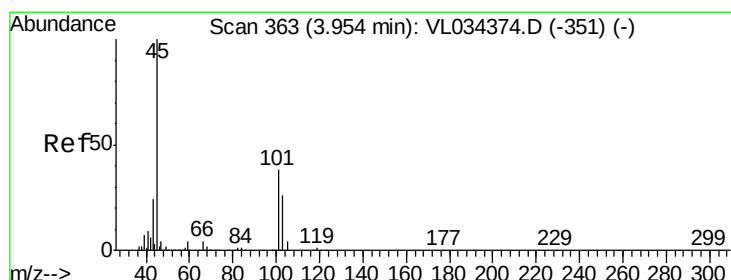
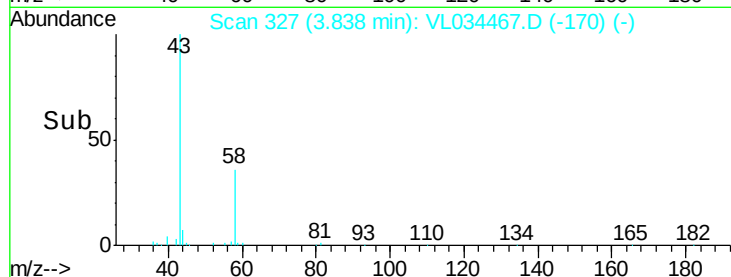
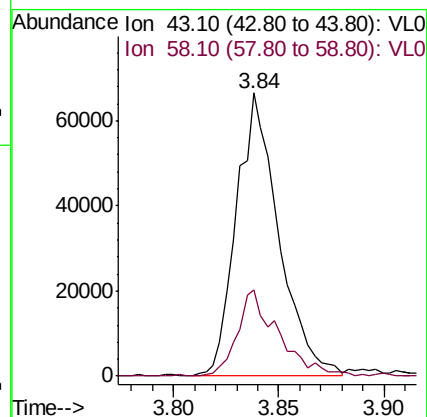
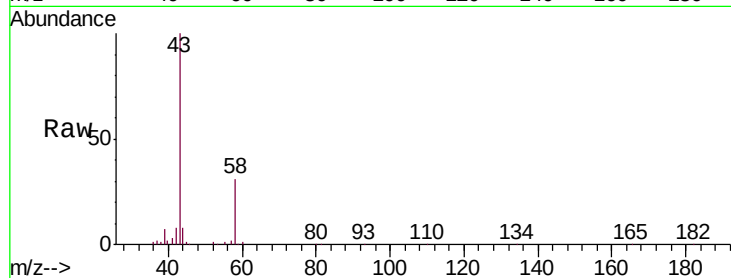
NS-2DL

Tgt Ion: 43 Resp: 92959

Ion Ratio Lower Upper

43 100

58 29.8 20.2 30.4



#19

Isopropyl Alcohol

Concen: 0.730 ppbv

RT: 3.96 min Scan# 366

Delta R.T. 0.01 min

Lab File: VL034467.D

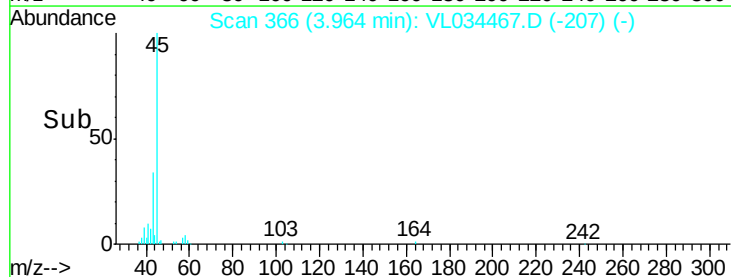
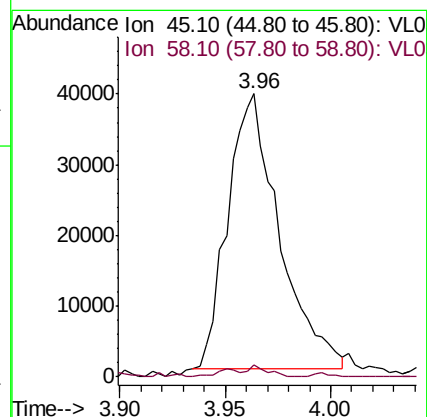
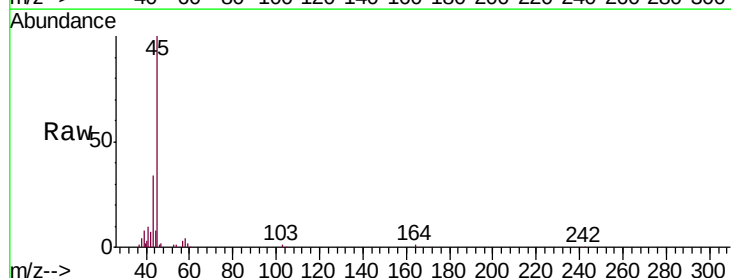
Acq: 9 Dec 2019 16:46

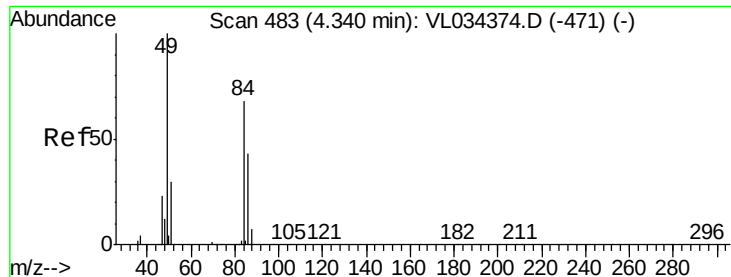
Tgt Ion: 45 Resp: 66335

Ion Ratio Lower Upper

45 100

58 2.9 1.3 1.9#

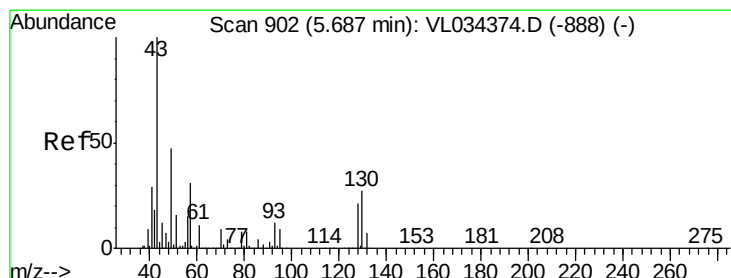
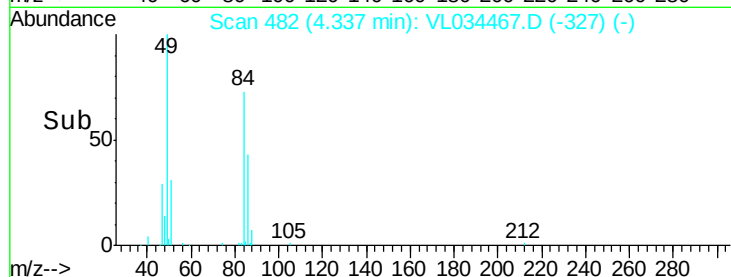
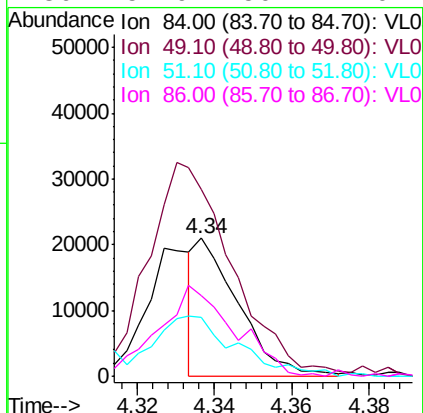
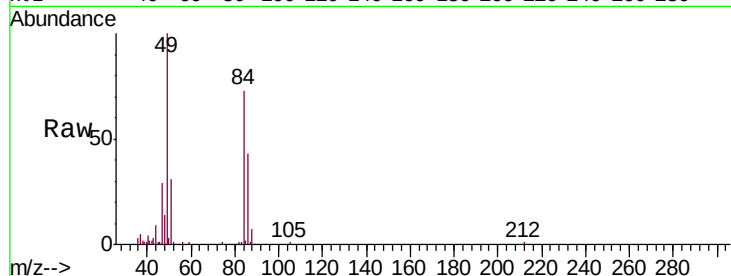




#20
Methylene Chloride
Concen: 0.319 ppbv
RT: 4.34 min Scan# 482
Delta R.T. -0.00 min
Lab File: VL034467.D
Acq: 9 Dec 2019 16:46

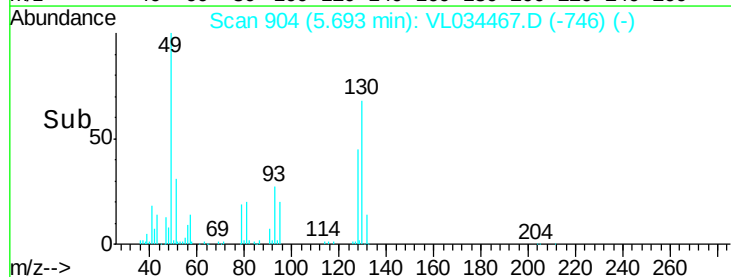
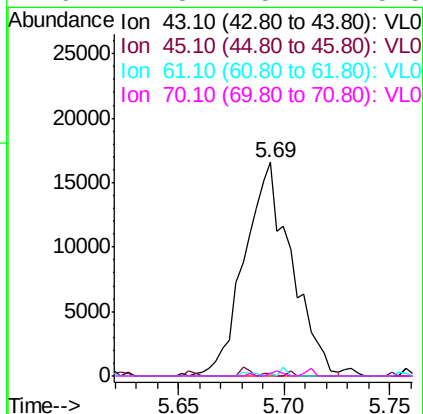
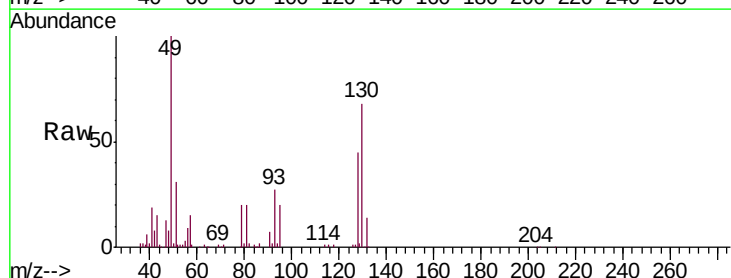
Instrument :
MSVOA_L
ClientSampleId :
NS-2DL

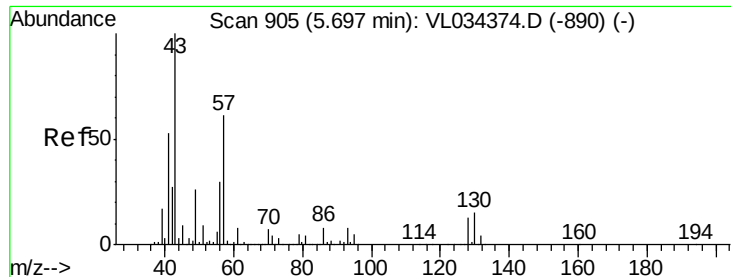
Tgt Ion:	84	Resp:	16038
Ion	Ratio	Lower	Upper
84	100		
49	134.6	116.8	175.2
51	43.1	35.6	53.4
86	54.9	50.7	76.1



#25
Ethyl Acetate
Concen: 0.101 ppbv
RT: 5.69 min Scan# 904
Delta R.T. 0.01 min
Lab File: VL034467.D
Acq: 9 Dec 2019 16:46

Tgt Ion:	43	Resp:	25553
Ion	Ratio	Lower	Upper
43	100		
45	1.4	8.2	12.4#
61	1.1	7.5	11.3#
70	1.3	5.7	8.5#





#26

Hexane

Concen: 0.304 ppbv

RT: 5.69 min Scan# 903

Delta R.T. -0.01 min

Lab File: VL034467.D

Acq: 9 Dec 2019 16:46

Instrument :

MSVOA_L

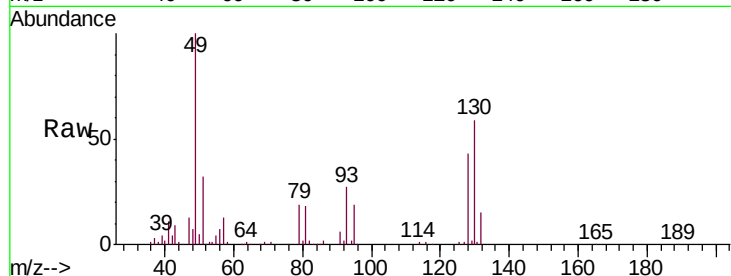
ClientSampleId :

NS-2DL

Tgt Ion: 57 Resp: 33065

Ion Ratio Lower Upper

57	100		
41	104.5	75.0	112.4
43	78.1	186.6	279.8#
56	56.6	41.5	62.3

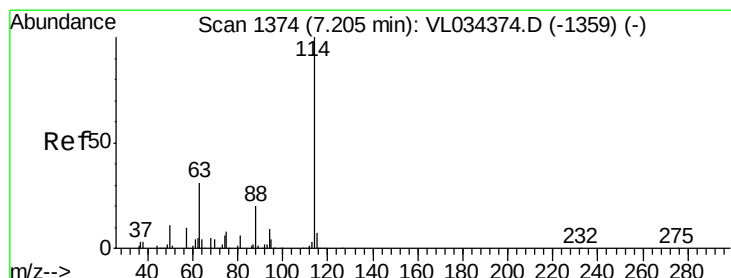
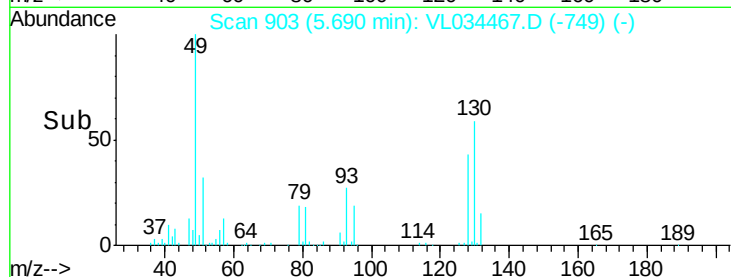
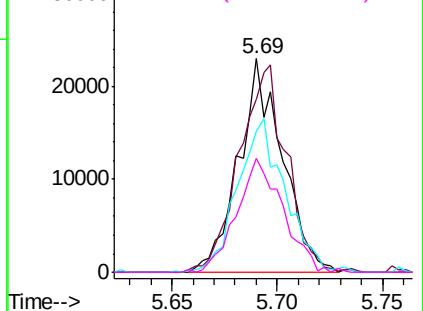


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.19 min Scan# 1371

Delta R.T. -0.01 min

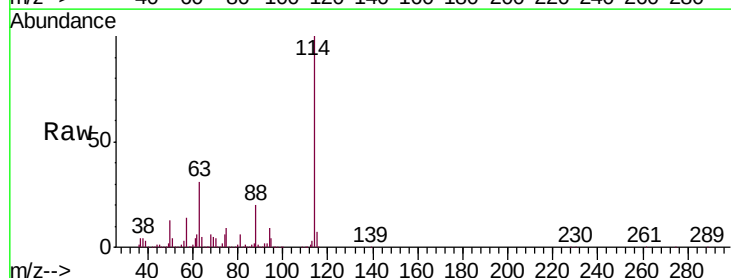
Lab File: VL034467.D

Acq: 9 Dec 2019 16:46

Tgt Ion: 114 Resp: 1904607

Ion Ratio Lower Upper

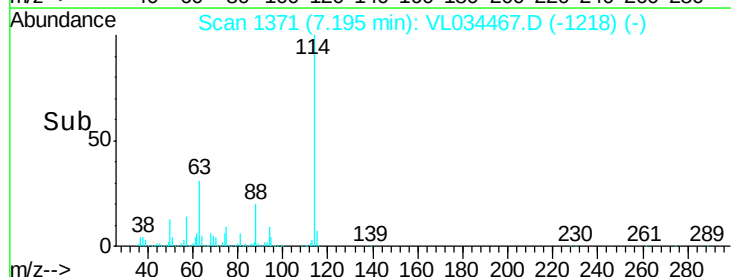
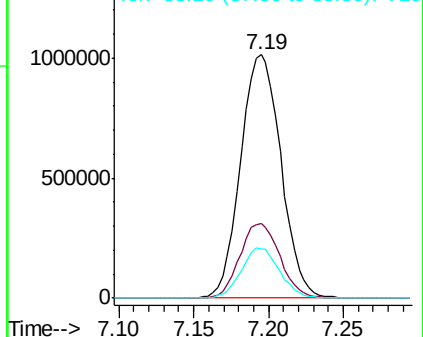
114	100		
63	30.5	24.2	36.4
88	19.7	15.9	23.9

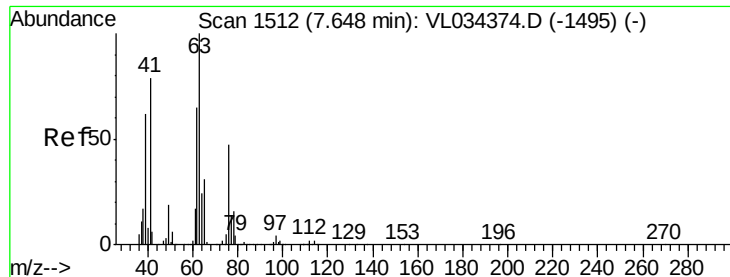


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0





#39

1,2-Dichloropropane

Concen: 7.872 ppbv

RT: 7.19 min Scan# 1371

Delta R.T. -0.45 min

Lab File: VL034467.D

Acq: 9 Dec 2019 16:46

Instrument :

MSVOA_L

ClientSampleId :

NS-2DL

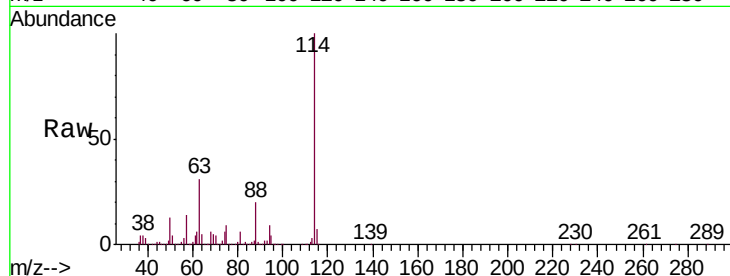
Tgt Ion: 63 Resp: 577383

Ion Ratio Lower Upper

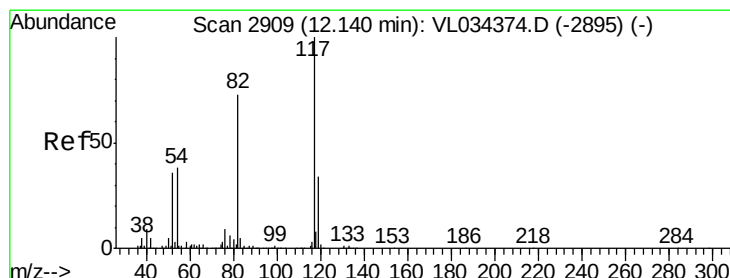
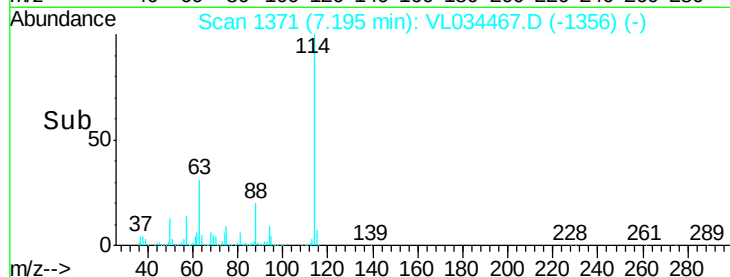
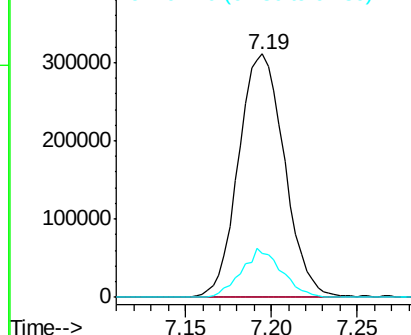
63 100

41 0.0 63.1 94.7#

62 18.0 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



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.13 min Scan# 2906

Delta R.T. -0.01 min

Lab File: VL034467.D

Acq: 9 Dec 2019 16:46

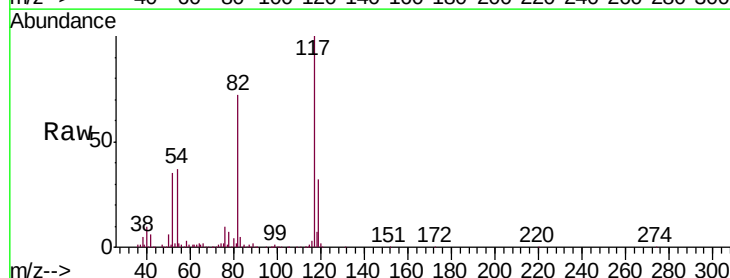
Tgt Ion: 117 Resp: 1928661

Ion Ratio Lower Upper

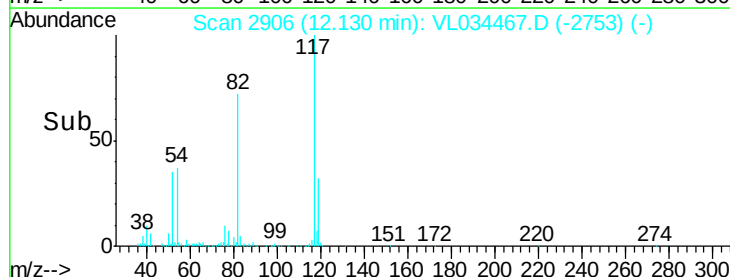
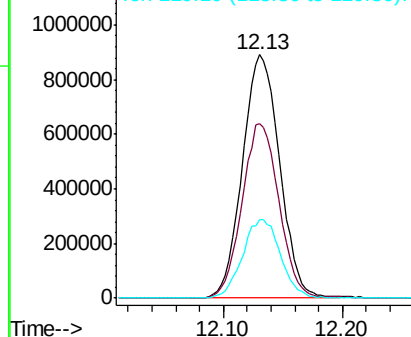
117 100

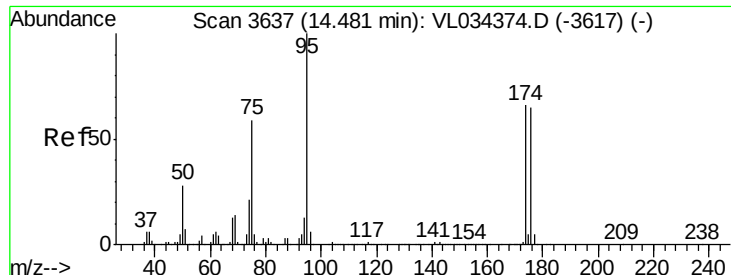
82 71.9 57.5 86.3

119 33.0 25.4 38.2



Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 10.102 ppbv

RT: 14.47 min Scan# 3633

Delta R.T. -0.01 min

Lab File: VL034467.D

Acq: 9 Dec 2019 16:46

Instrument :

MSVOA_L

ClientSampleId :

NS-2DL

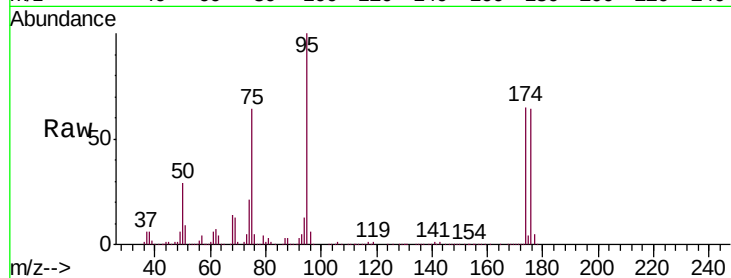
Tgt Ion: 95 Resp: 1639105

Ion Ratio Lower Upper

95 100

174 65.2 52.2 78.2

175 4.6 3.8 5.8



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

