

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL120919\
 Data File : VL034471.D
 Acq On : 9 Dec 2019 19:26
 Operator : SY/AP
 Sample : K6195-03DL 10X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 5S-TEDL

Quant Time: Dec 10 03:40:56 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	1003020	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.19	114	1999116	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.13	117	1971084	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.47	95	1654534	9.98	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.80%

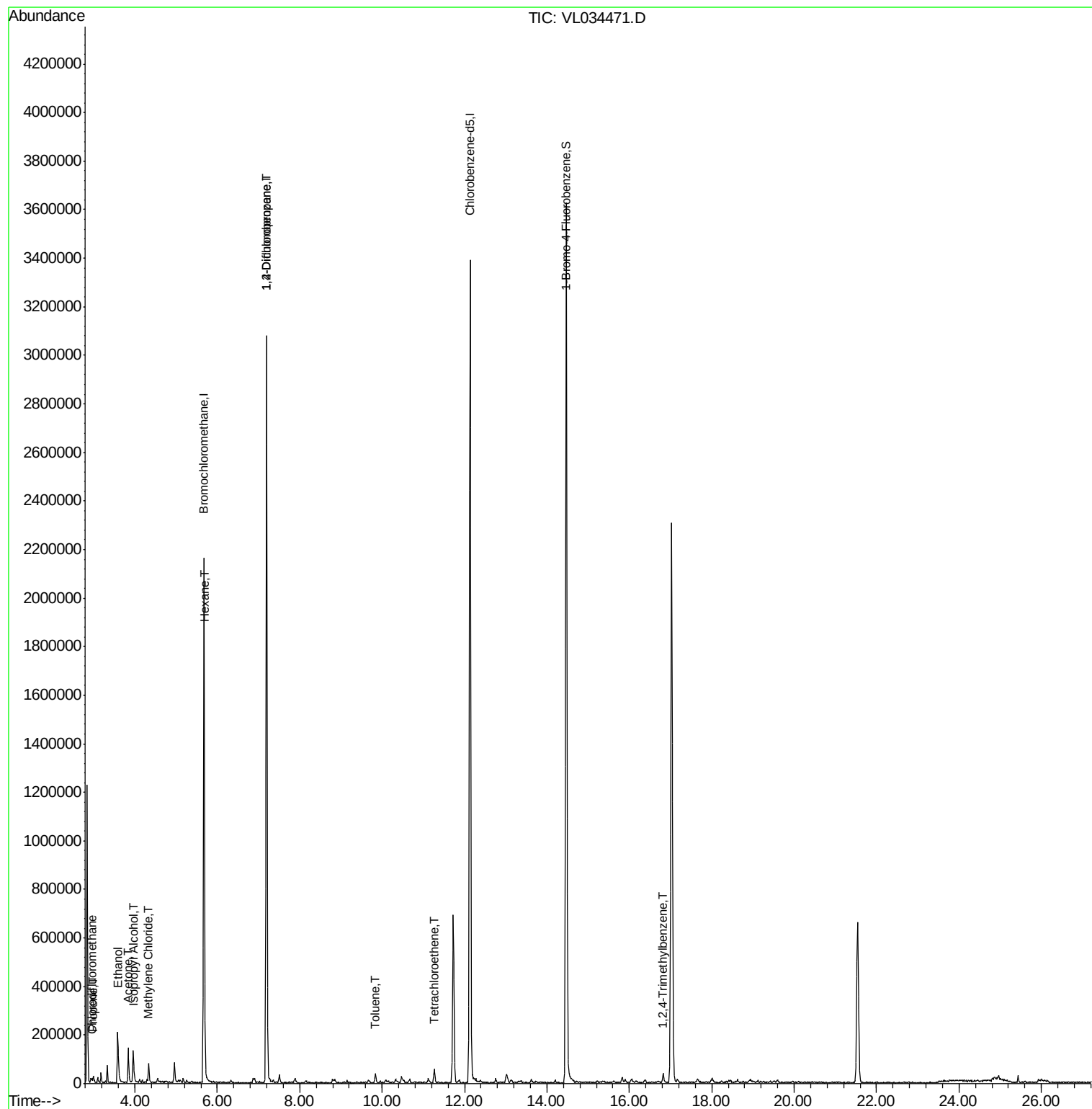
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chlorodifluoromethane	2.96	51	20899	0.167	ppbv #	80
9) Propene	2.99	41	5270	0.095	ppbv	93
13) Ethanol	3.58	45	217153	14.031	ppbv	94
15) Acetone	3.84	43	136167	0.948	ppbv	95
19) Isopropyl Alcohol	3.96	45	135496	1.472	ppbv	99
20) Methylene Chloride	4.33	84	24638	0.484	ppbv #	85
26) Hexane	5.69	57	15916	0.145	ppbv #	1
39) 1,2-Dichloropropane	7.19	63	578292	7.511	ppbv #	23
52) Tetrachloroethene	11.26	164	6919	0.080	ppbv #	58
53) Toluene	9.84	91	14367	0.063	ppbv	90
74) 1,2,4-Trimethylbenzene	16.82	105	15364	0.049	ppbv #	63

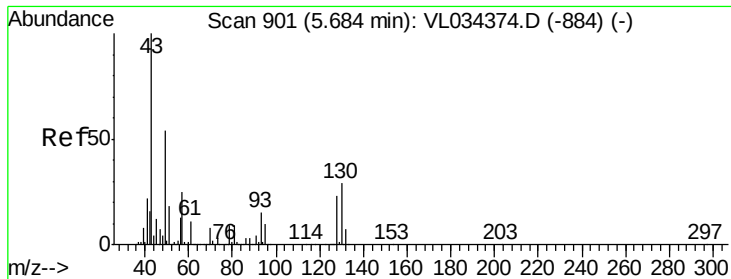
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 10 03:40:56 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: 5.67 min Scan# 897

Delta R.T. -0.01 min

Lab File: VL034471.D

Acq: 9 Dec 2019 19:26

Instrument :

MSVOA_L

ClientSampleId :

5S-TEDL

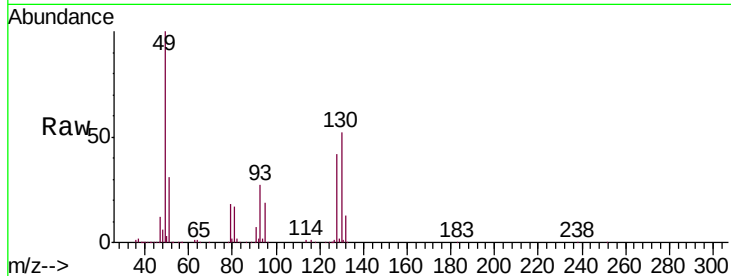
Tgt Ion: 49 Resp: 1003020

Ion Ratio Lower Upper

49 100

128 43.5 21.8 65.3

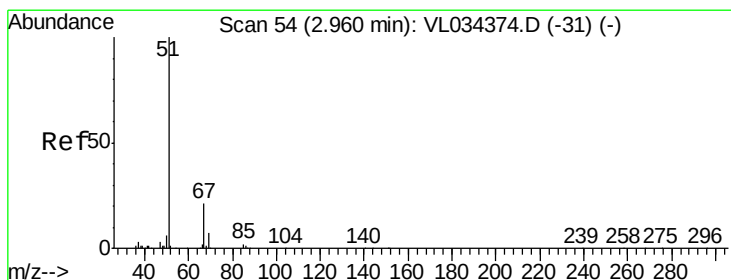
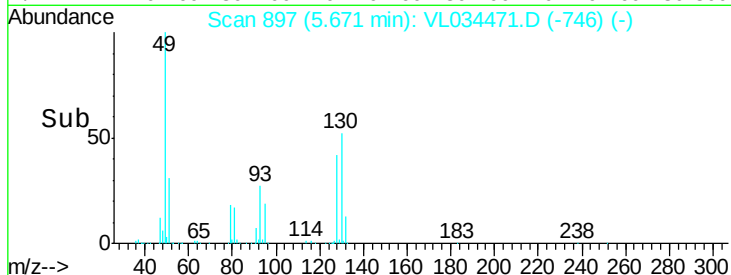
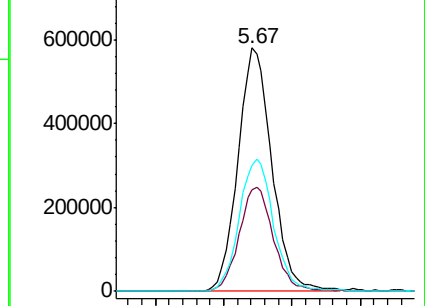
130 55.7 28.0 84.0



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: 0.167 ppbv

RT: 2.96 min Scan# 54

Delta R.T. -0.00 min

Lab File: VL034471.D

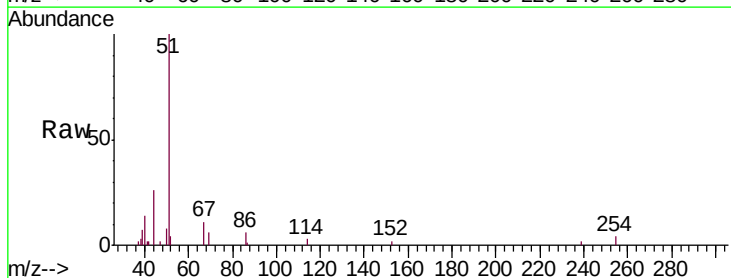
Acq: 9 Dec 2019 19:26

Tgt Ion: 51 Resp: 20899

Ion Ratio Lower Upper

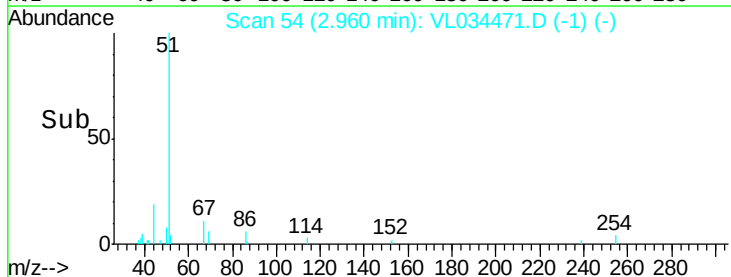
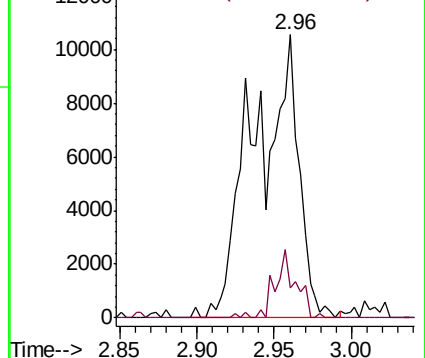
51 100

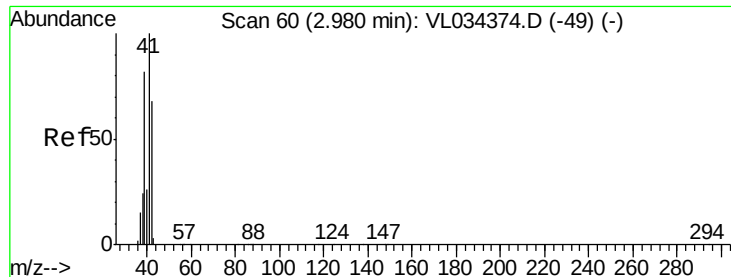
67 11.2 16.2 24.2#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#9

Propene

Concen: 0.095 ppbv

RT: 2.99 min Scan# 63

Delta R.T. 0.01 min

Lab File: VL034471.D

Acq: 9 Dec 2019 19:26

Instrument :

MSVOA_L

ClientSampleId :

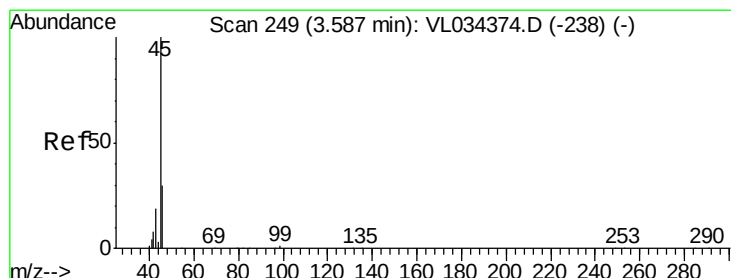
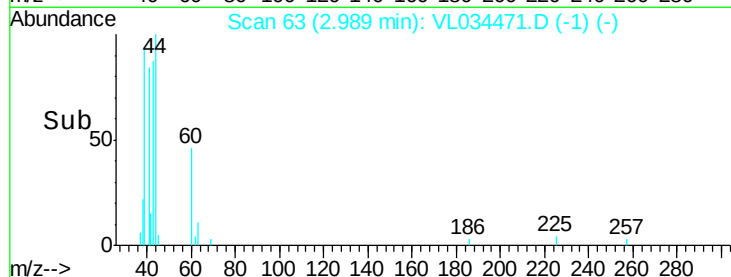
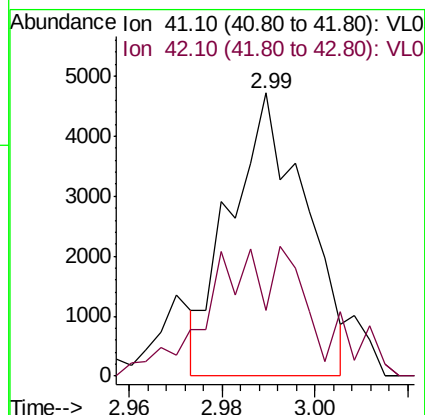
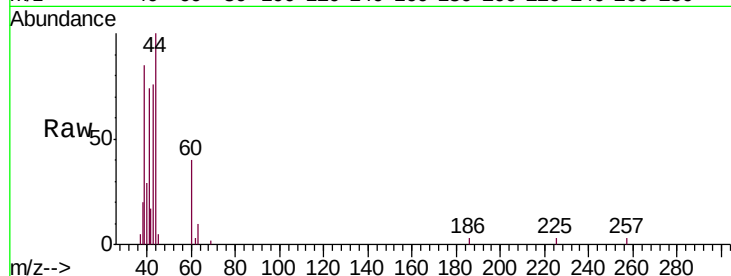
5S-TEDL

Tgt Ion: 41 Resp: 5270

Ion Ratio Lower Upper

41 100

42 62.8 54.6 82.0



#13

Ethanol

Concen: 14.031 ppbv

RT: 3.58 min Scan# 247

Delta R.T. -0.01 min

Lab File: VL034471.D

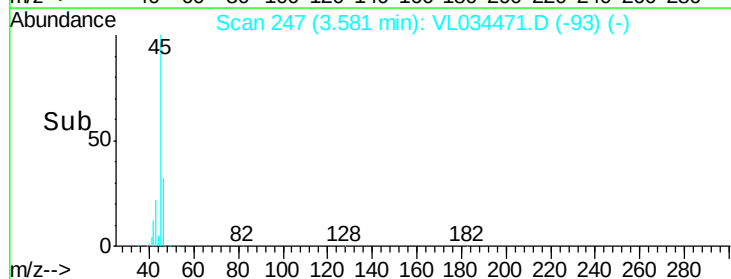
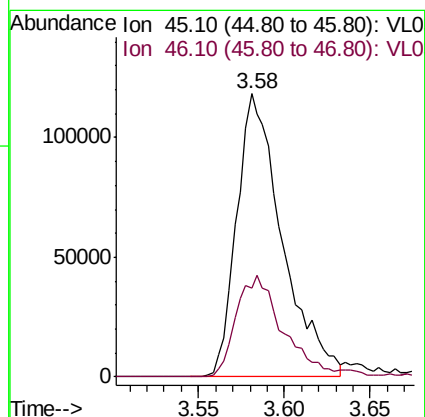
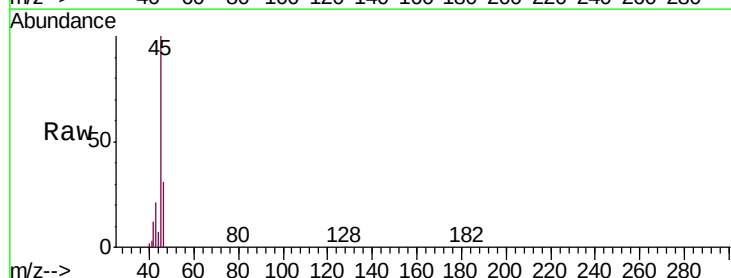
Acq: 9 Dec 2019 19:26

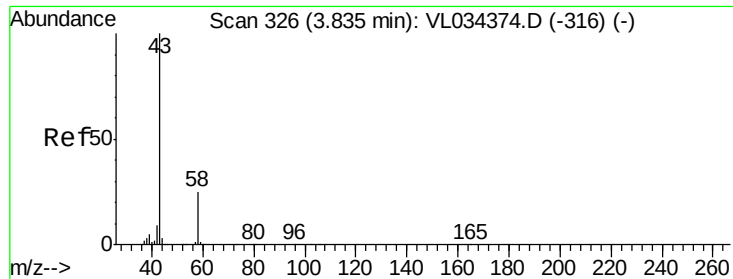
Tgt Ion: 45 Resp: 217153

Ion Ratio Lower Upper

45 100

46 37.8 13.8 55.4





#15

Acetone

Concen: 0.948 ppbv

RT: 3.84 min Scan# 327

Delta R.T. 0.00 min

Lab File: VL034471.D

Acq: 9 Dec 2019 19:26

Instrument :

MSVOA_L

ClientSampleId :

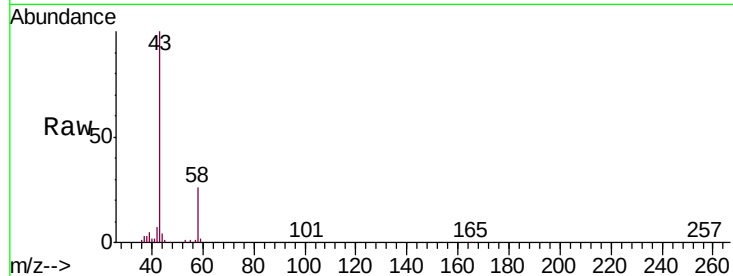
5S-TEDL

Tgt Ion: 43 Resp: 136167

Ion Ratio Lower Upper

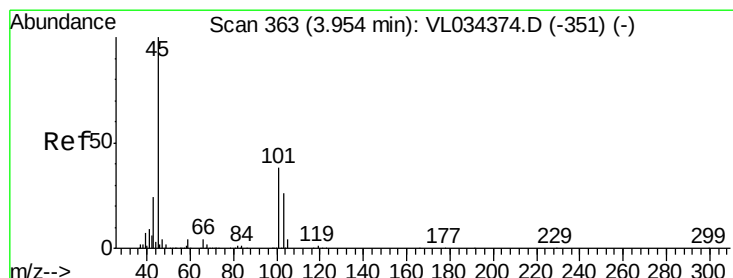
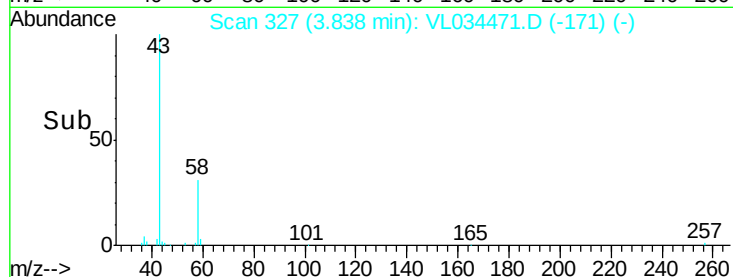
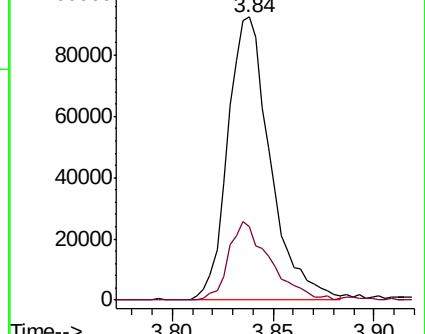
43 100

58 27.7 20.2 30.4



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#19

Isopropyl Alcohol

Concen: 1.472 ppbv

RT: 3.96 min Scan# 364

Delta R.T. 0.00 min

Lab File: VL034471.D

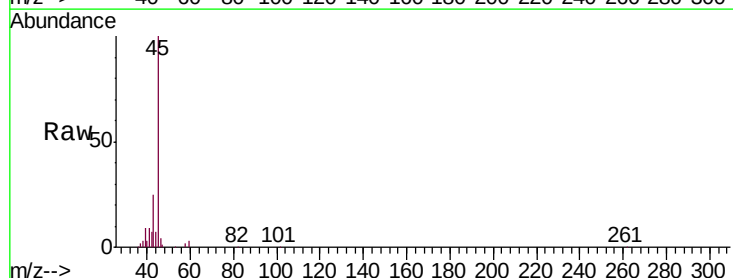
Acq: 9 Dec 2019 19:26

Tgt Ion: 45 Resp: 135496

Ion Ratio Lower Upper

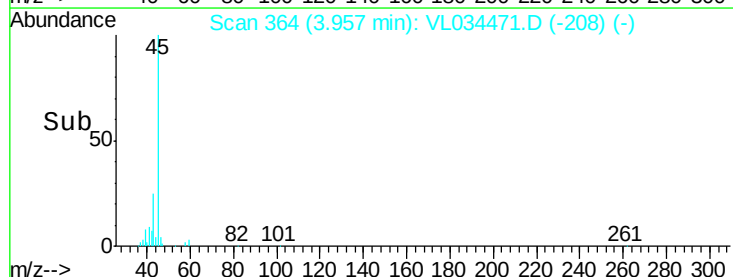
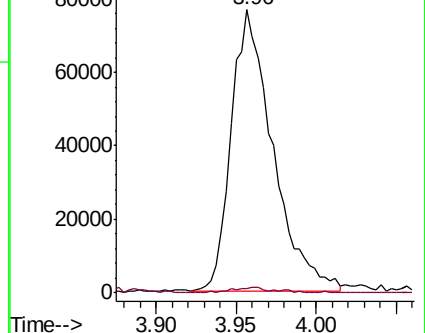
45 100

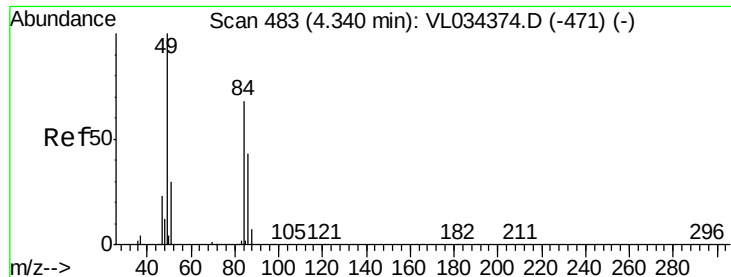
58 1.9 1.3 1.9



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

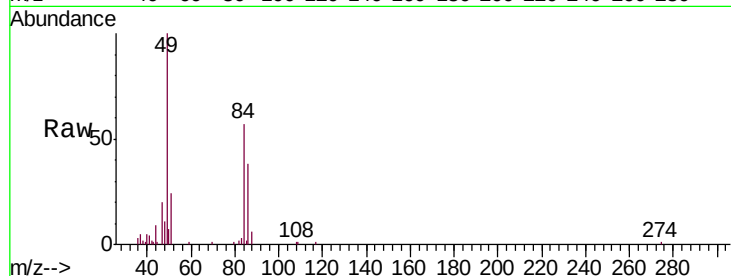




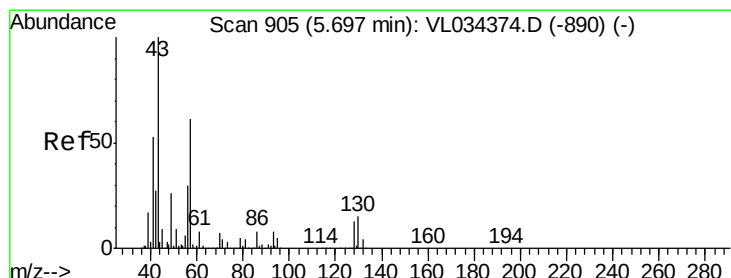
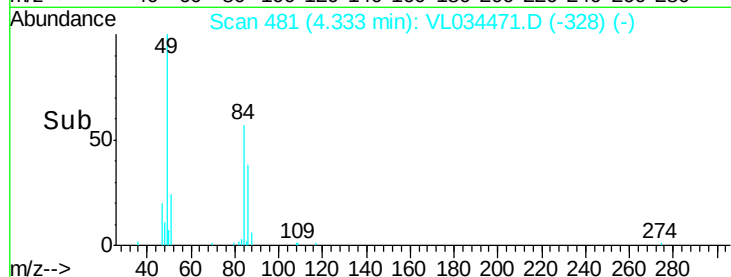
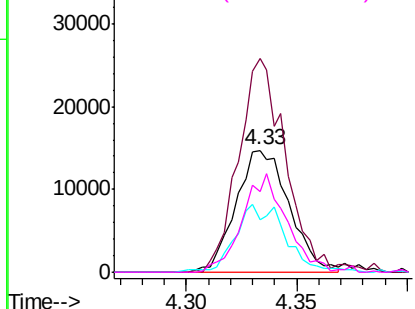
#20
Methylene Chloride
Concen: 0.484 ppbv
RT: 4.33 min Scan# 481
Delta R.T. -0.01 min
Lab File: VL034471.D
Acq: 9 Dec 2019 19:26

Instrument :
MSVOA_L
ClientSampleId :
5S-TEDL

Tgt Ion: 84 Resp: 24638
Ion Ratio Lower Upper
84 100
49 175.3 116.8 175.2#
51 41.0 35.6 53.4
86 66.3 50.7 76.1

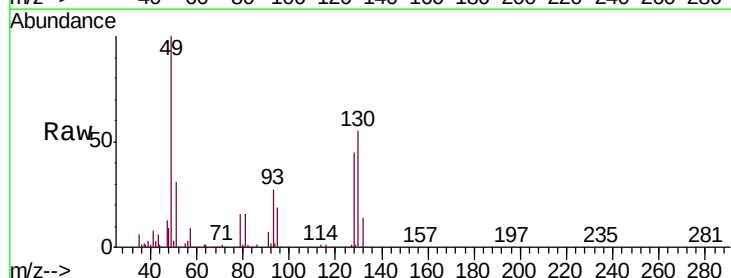


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

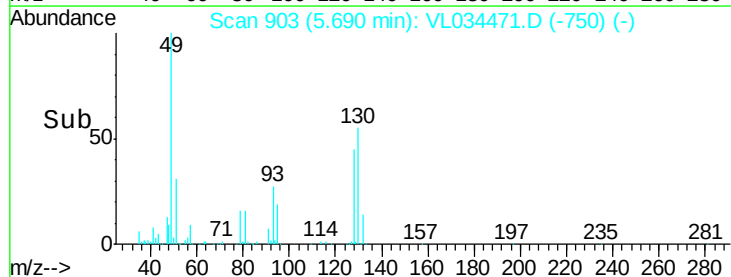
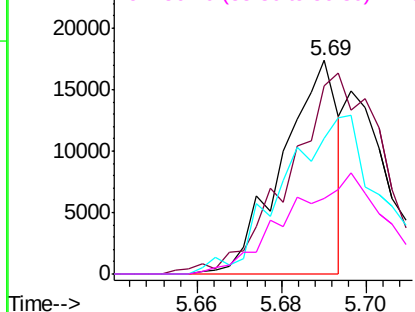


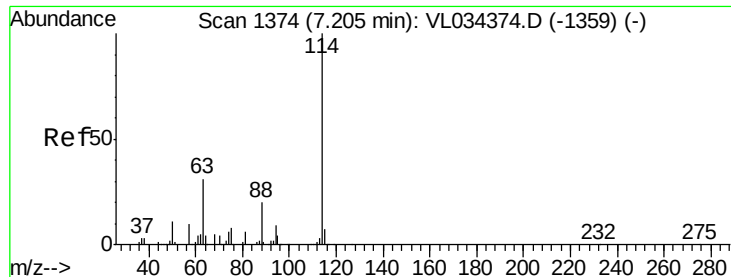
#26
Hexane
Concen: 0.145 ppbv
RT: 5.69 min Scan# 903
Delta R.T. -0.01 min
Lab File: VL034471.D
Acq: 9 Dec 2019 19:26

Tgt Ion: 57 Resp: 15916
Ion Ratio Lower Upper
57 100
41 0.0 75.0 112.4#
43 0.0 186.6 279.8#
56 0.0 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

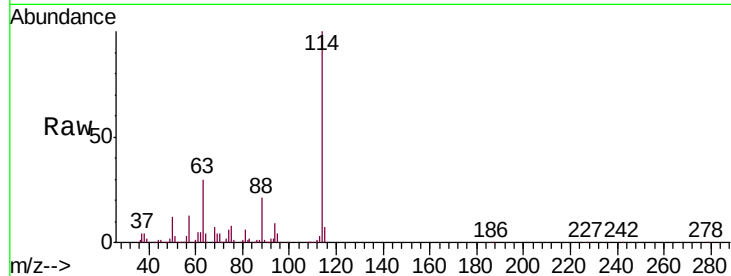




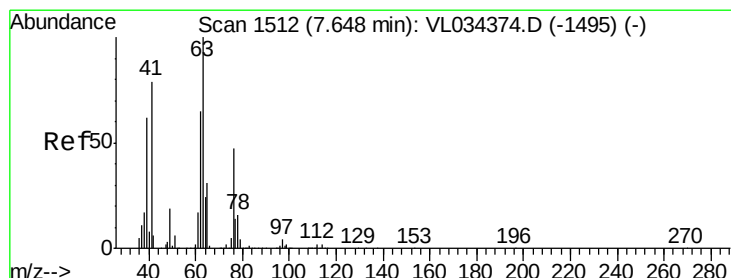
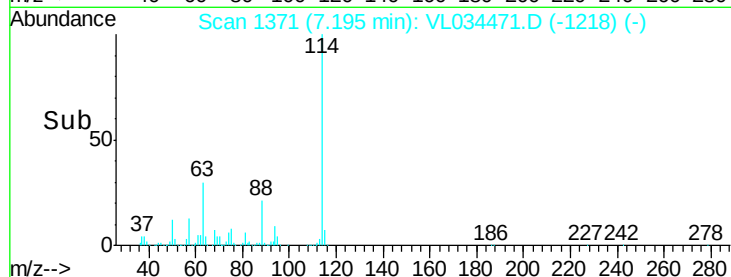
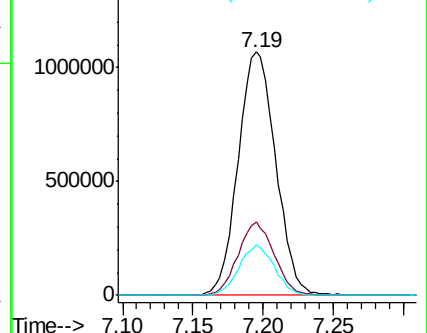
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1371
 Delta R.T. -0.01 min
 Lab File: VL034471.D
 Acq: 9 Dec 2019 19:26

Instrument :
 MSVOA_L
 ClientSampled :
 5S-TEDL

Tgt Ion: 114 Resp: 1999116
 Ion Ratio Lower Upper
 114 100
 63 29.1 24.2 36.4
 88 19.4 15.9 23.9

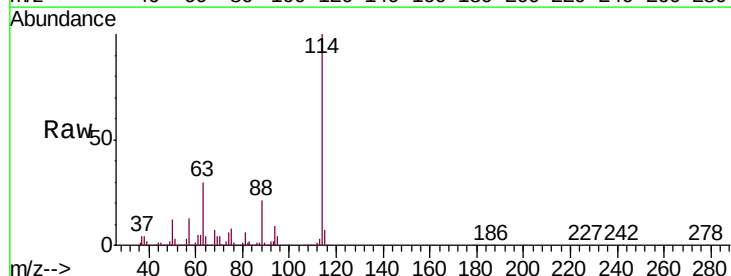


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

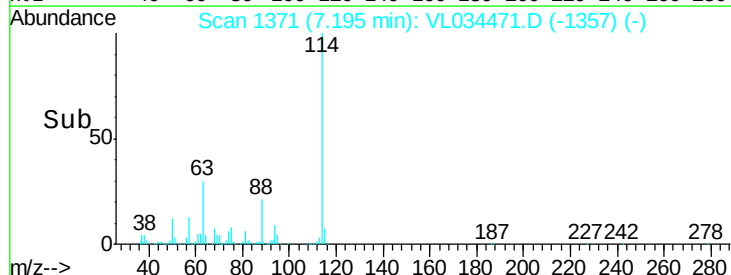
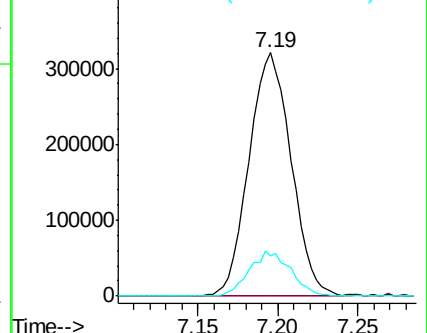


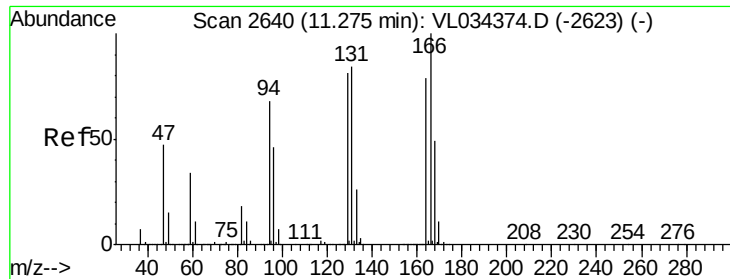
#39
 1,2-Dichloropropane
 Concen: 7.511 ppbv
 RT: 7.19 min Scan# 1371
 Delta R.T. -0.45 min
 Lab File: VL034471.D
 Acq: 9 Dec 2019 19:26

Tgt Ion: 63 Resp: 578292
 Ion Ratio Lower Upper
 63 100
 41 0.0 63.1 94.7#
 62 16.7 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





#52

Tetrachloroethene

Concen: 0.080 ppbv

RT: 11.26 min Scan# 2636

Delta R.T. -0.01 min

Lab File: VL034471.D

Acq: 9 Dec 2019 19:26

Instrument :

MSVOA_L

ClientSampleId :

5S-TEDL

Tgt Ion:164 Resp: 6919

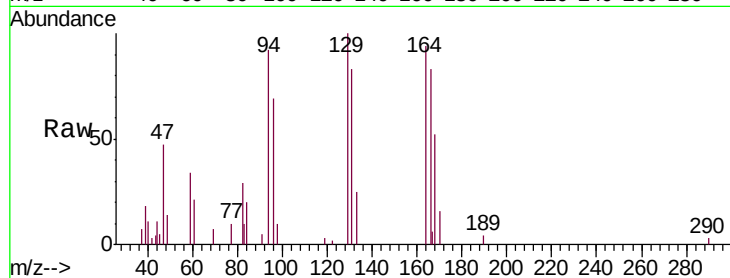
Ion Ratio Lower Upper

164 100

166 54.4 101.7 152.5#

129 84.5 82.6 123.8

131 64.1 85.2 127.8#

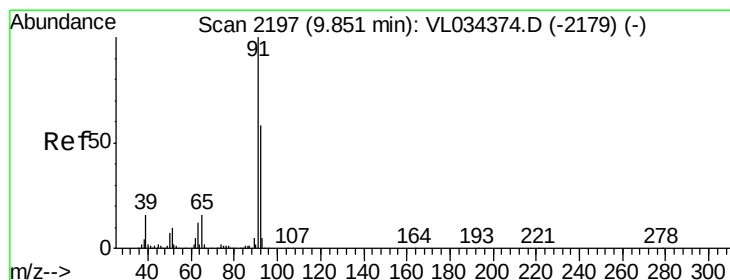
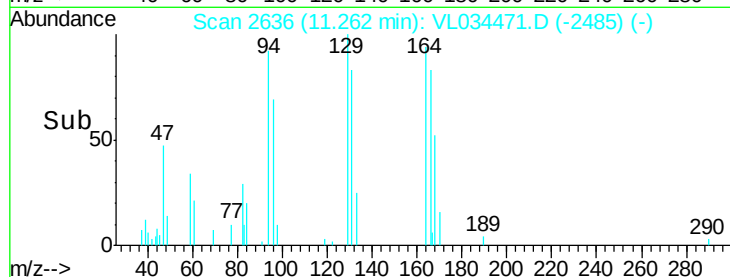
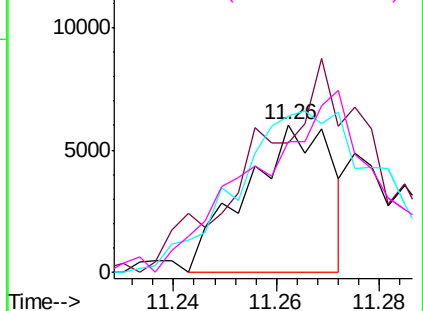


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#53

Toluene

Concen: 0.063 ppbv

RT: 9.84 min Scan# 2195

Delta R.T. -0.01 min

Lab File: VL034471.D

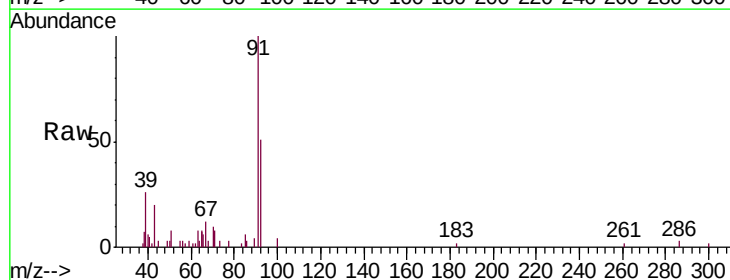
Acq: 9 Dec 2019 19:26

Tgt Ion: 91 Resp: 14367

Ion Ratio Lower Upper

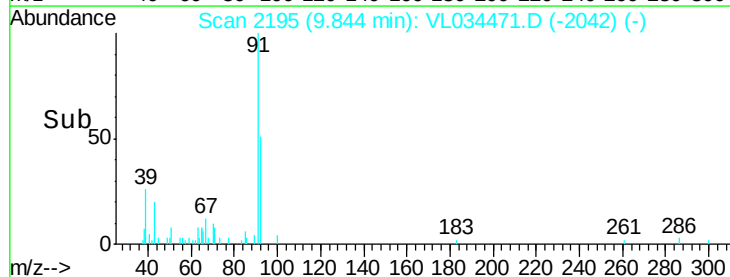
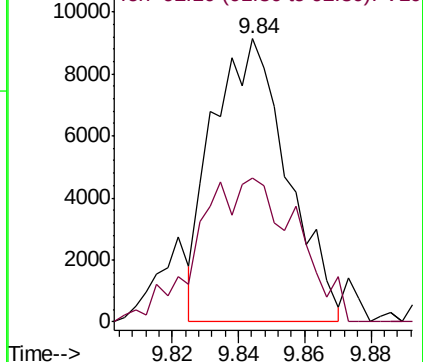
91 100

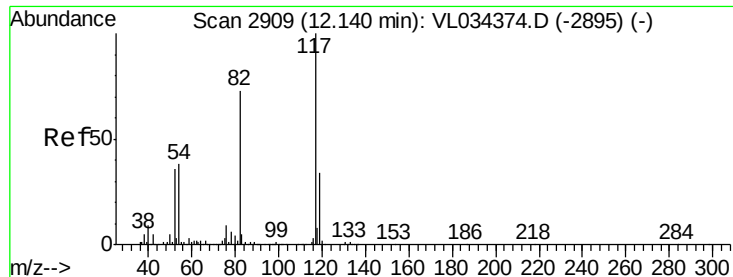
92 67.3 47.9 71.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

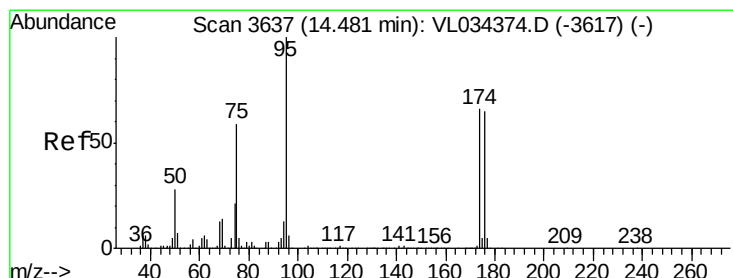
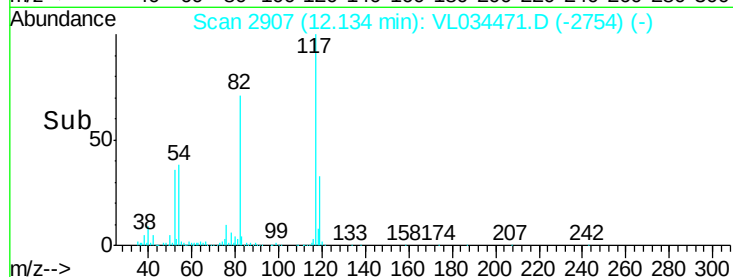
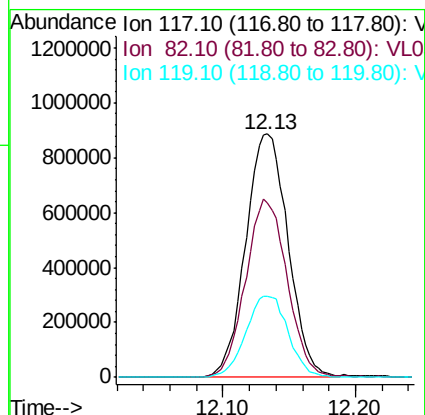
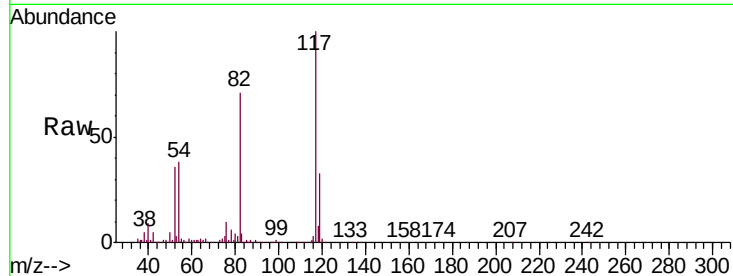




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.13 min Scan# 2907
Delta R.T. -0.01 min
Lab File: VL034471.D
Acq: 9 Dec 2019 19:26

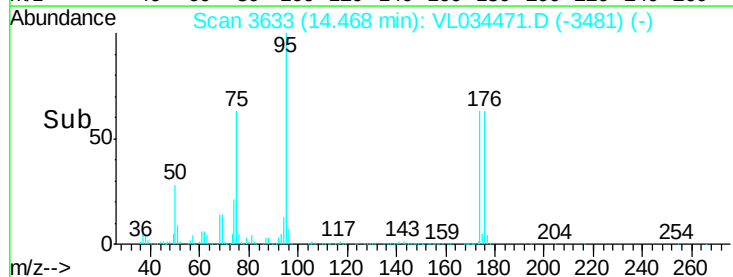
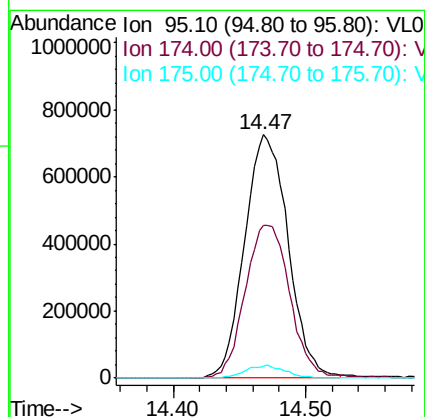
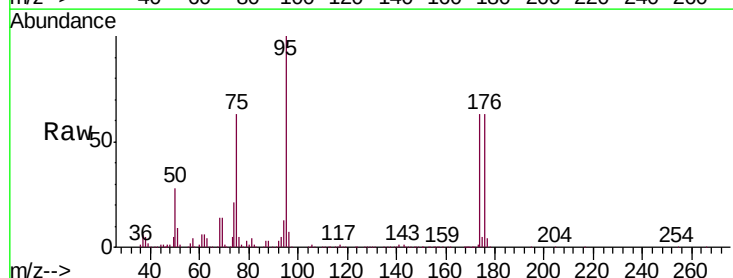
Instrument :
MSVOA_L
ClientSampleId :
5S-TEDL

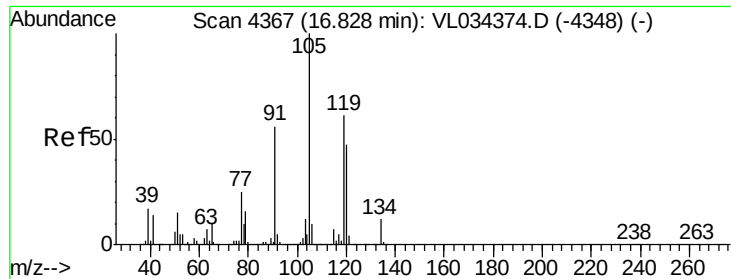
Tgt Ion: 117 Resp: 1971084
Ion Ratio Lower Upper
117 100
82 72.2 57.5 86.3
119 33.4 25.4 38.2



#68
1-Bromo-4-Fluorobenzene
Concen: 9.978 ppbv
RT: 14.47 min Scan# 3633
Delta R.T. -0.01 min
Lab File: VL034471.D
Acq: 9 Dec 2019 19:26

Tgt Ion: 95 Resp: 1654534
Ion Ratio Lower Upper
95 100
174 65.5 52.2 78.2
175 4.9 3.8 5.8





#74

1,2,4-Trimethylbenzene

Concen: 0.049 ppbv

RT: 16.82 min Scan# 4365

Delta R.T. -0.01 min

Lab File: VL034471.D

Acq: 9 Dec 2019 19:26

Instrument :

MSVOA_L

ClientSampleId :

5S-TEDL

Tgt Ion:105 Resp: 15364

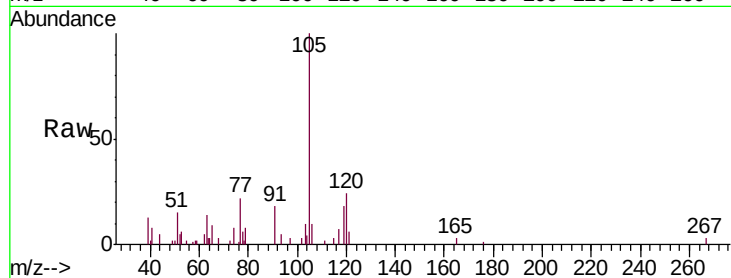
Ion Ratio Lower Upper

105 100

120 23.5 37.4 56.0#

91 18.3 46.3 69.5#

77 28.9 20.6 30.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

