

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL100318\
 Data File : VL032589.D
 Acq On : 3 Oct 2018 21:20
 Operator : SY/AP
 Sample : J5094-09DL 100X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Oct 04 09:56:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092418AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Oct 01 06:49:26 2018
 QLast Update : Mon Oct 01 06:49:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.79	49	1092260	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.32	114	2660895	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.27	117	2891447	10.00	ppbv	-0.03

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene		14.61	95	2039083	9.35	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.50%	

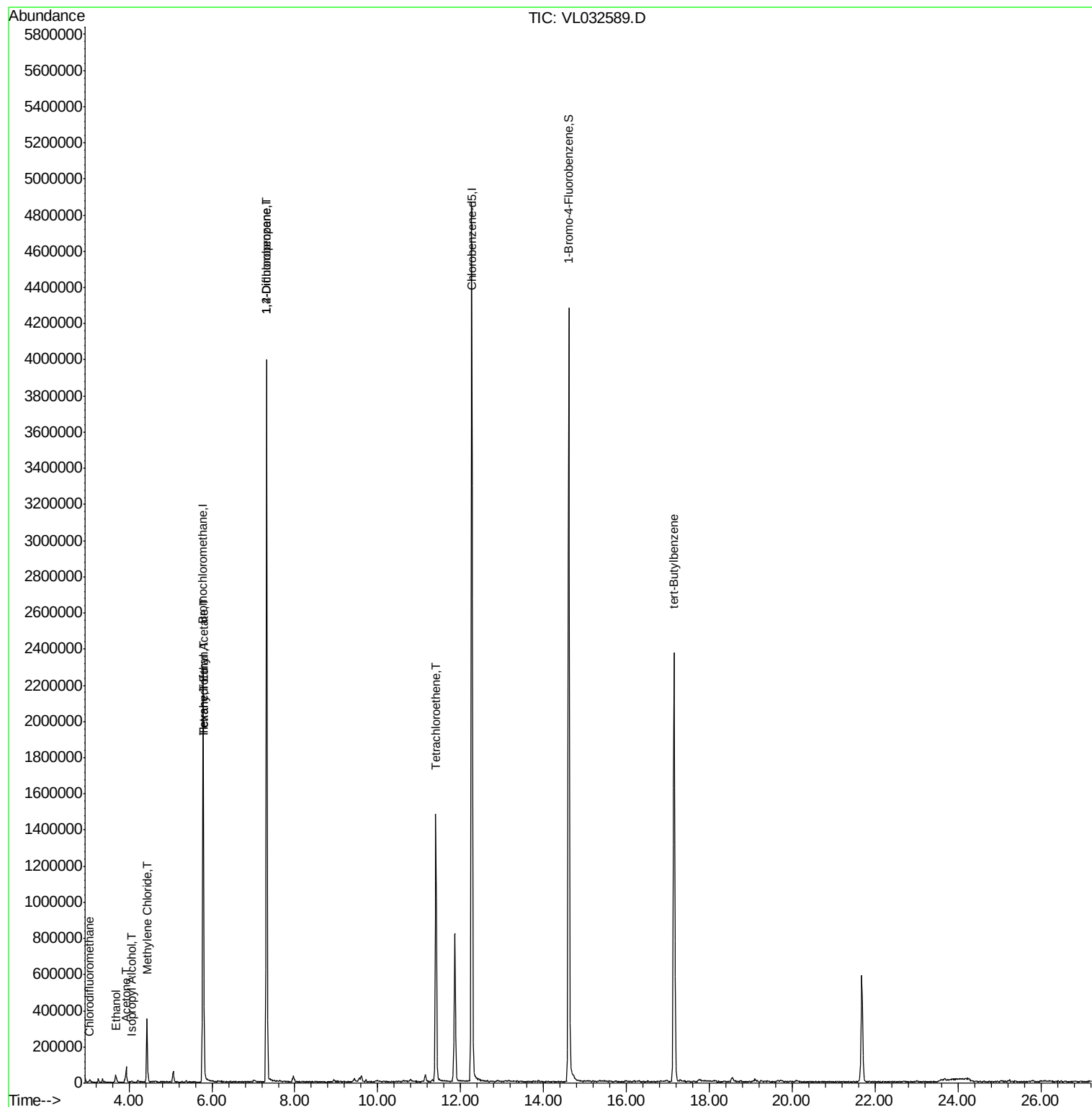
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	3.03	51	6735	0.074	ppbv	99
13) Ethanol	3.68	45	36531	3.084	ppbv	86
15) Acetone	3.93	43	82759	0.863	ppbv	98
19) Isopropyl Alcohol	4.06	45	2311	0.035	ppbv #	93
20) Methylene Chloride	4.43	84	122624	2.641	ppbv	97
25) Ethyl Acetate	5.80	43	57918	0.249	ppbv #	90
26) Hexane	5.80	57	57902	0.551	ppbv #	51
39) 1,2-Dichloropropane	7.32	63	716379	7.392	ppbv #	26
41) Tetrahydrofuran	5.80	42	30230	0.351	ppbv #	49
52) Tetrachloroethene	11.40	164	335388	4.479	ppbv	99
65) tert-Butylbenzene	17.14	119	37408	0.102	ppbv #	18

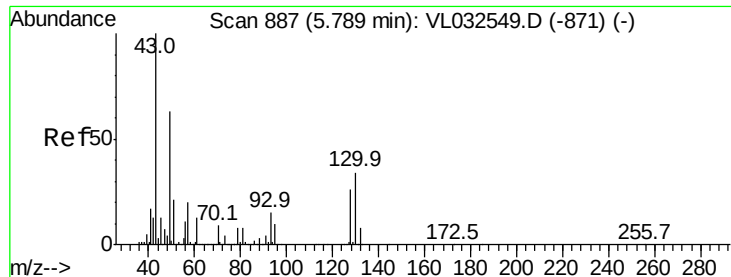
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_L
ClientSampleId :

Quant Time: Oct 04 09:56:55 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL092418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Oct 01 06:49:26 2018
QLast Update : Mon Oct 01 06:49:26 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.79 min Scan# 886

Delta R.T. -0.02 min

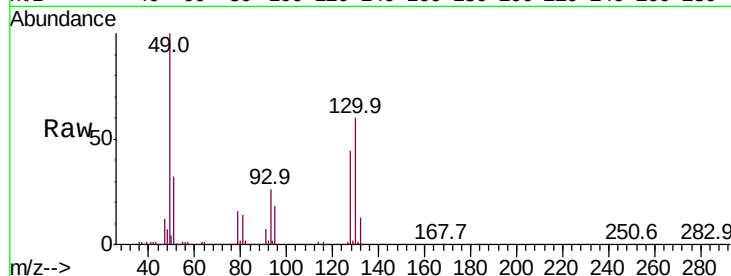
Lab File: VL032589.D

Acq: 3 Oct 2018 21:20

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 49 Resp: 1092260

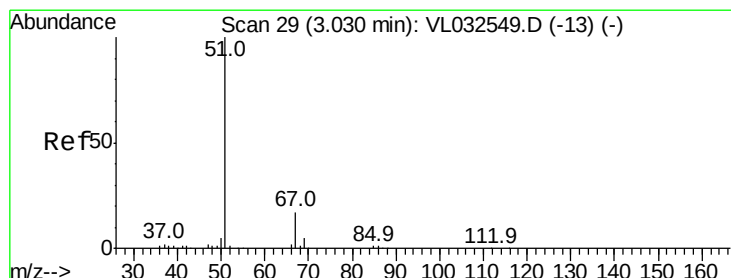
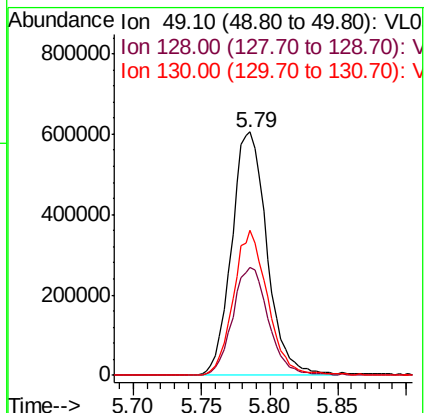
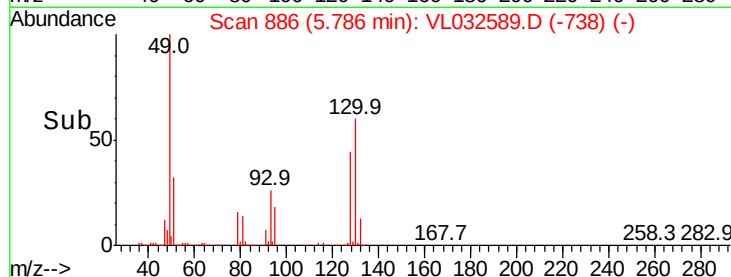
Ion	Ratio	Lower	Upper
49	100		
128	45.1	20.7	62.1
130	57.8	26.6	79.7



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



#3

Chlorodifluoromethane

Concen: 0.074 ppbv

RT: 3.03 min Scan# 30

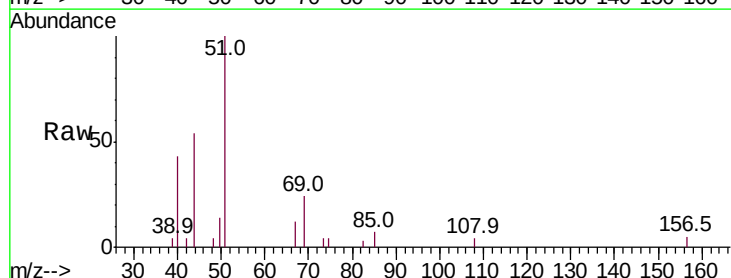
Delta R.T. -0.01 min

Lab File: VL032589.D

Acq: 3 Oct 2018 21:20

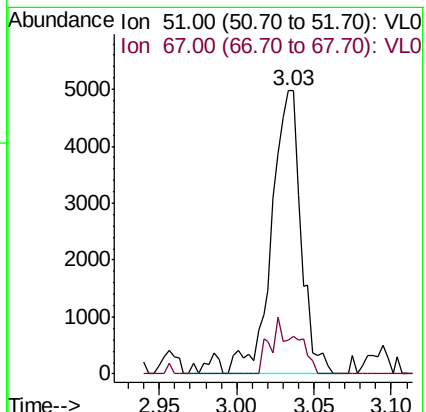
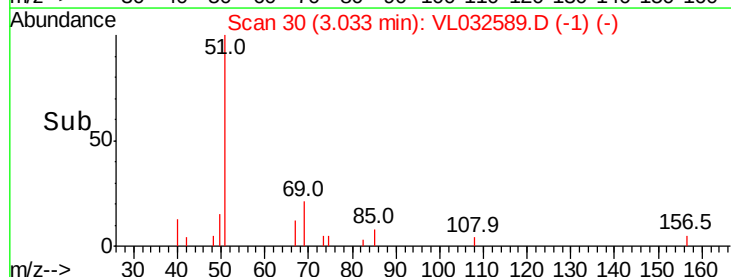
Tgt Ion: 51 Resp: 6735

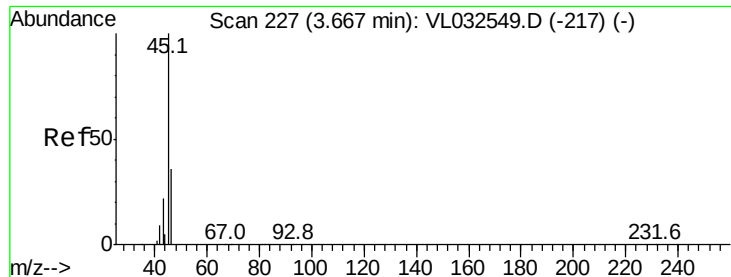
Ion	Ratio	Lower	Upper
51	100		
67	17.7	13.8	20.8



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

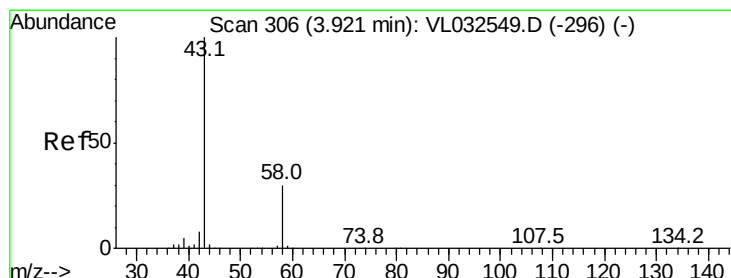
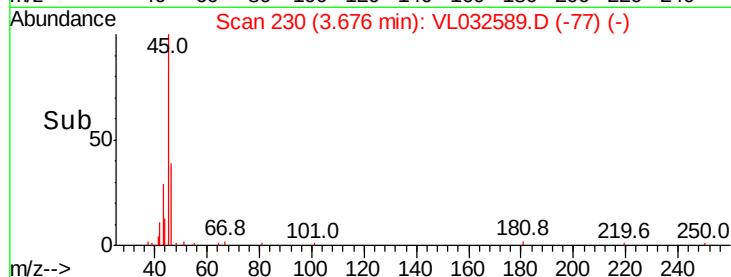
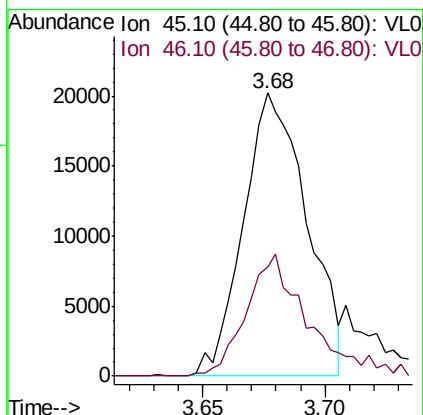
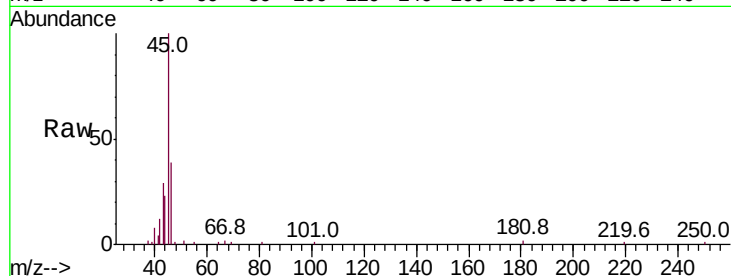




#13
Ethanol
Concen: 3.084 ppbv
RT: 3.68 min Scan# 230
Delta R.T. -0.01 min
Lab File: VL032589.D
Acq: 3 Oct 2018 21:20

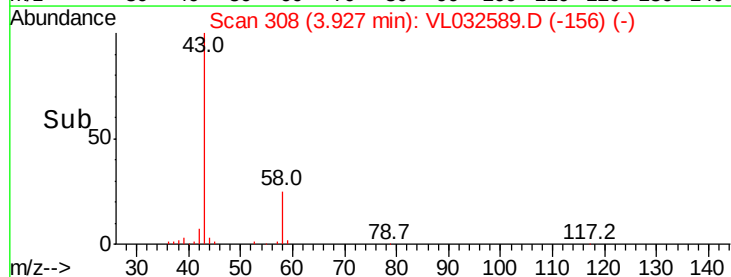
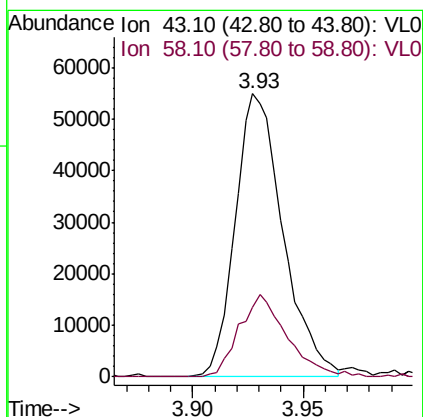
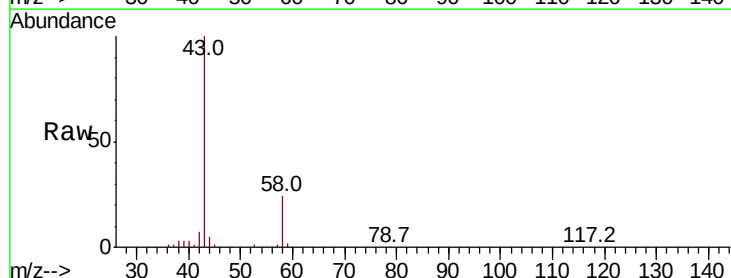
Instrument :
MSVOA_L
ClientSampleId :

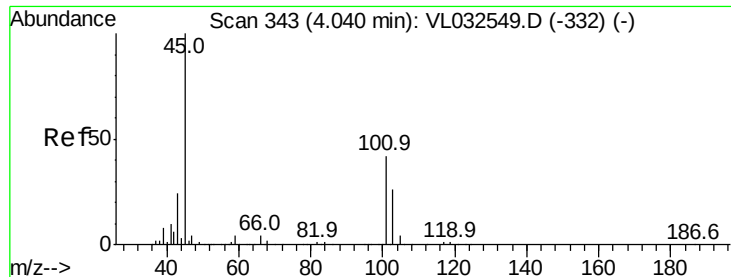
Tot Ion: 45 Resp: 36531
Ion Ratio Lower Upper
45 100
46 43.4 14.2 56.8



#15
Acetone
Concen: 0.863 ppbv
RT: 3.93 min Scan# 308
Delta R.T. -0.01 min
Lab File: VL032589.D
Acq: 3 Oct 2018 21:20

Tgt Ion: 43 Resp: 82759
Ion Ratio Lower Upper
43 100
58 29.3 22.6 33.8





#19

Isopropyl Alcohol

Concen: 0.035 ppbv

RT: 4.06 min Scan# 349

Delta R.T. -0.00 min

Lab File: VL032589.D

Acq: 3 Oct 2018 21:20

Instrument :

MSVOA_L

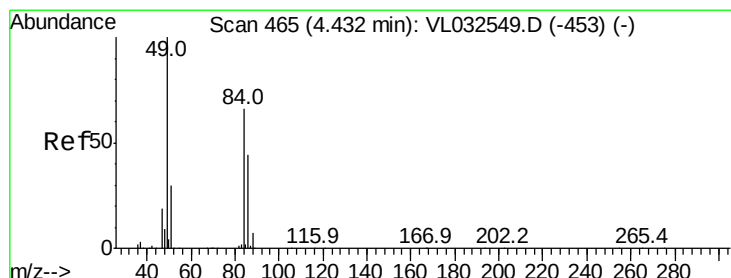
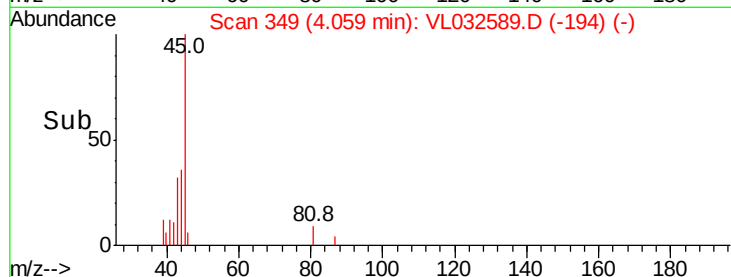
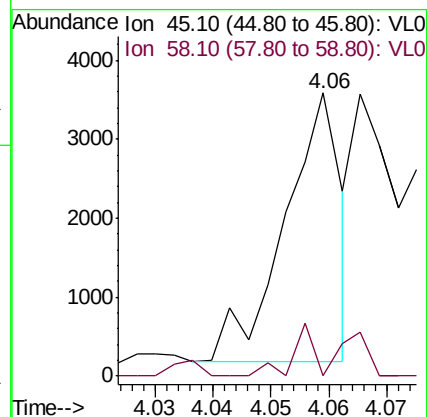
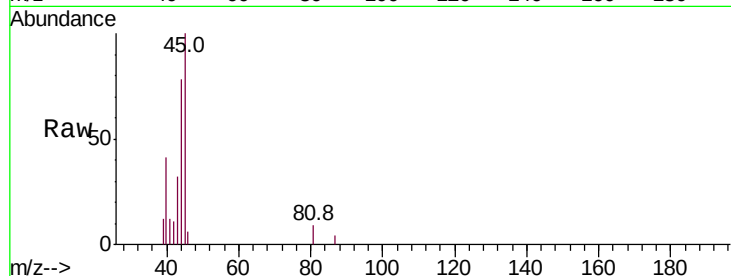
ClientSampleId :

Tot Ion: 45 Resp: 2311

Ion Ratio Lower Upper

45 100

58 0.0 2.0 3.0#



#20

Methylene Chloride

Concen: 2.641 ppbv

RT: 4.43 min Scan# 465

Delta R.T. -0.02 min

Lab File: VL032589.D

Acq: 3 Oct 2018 21:20

Tgt Ion: 84 Resp: 122624

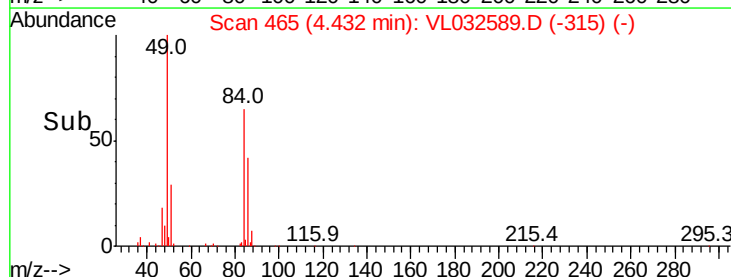
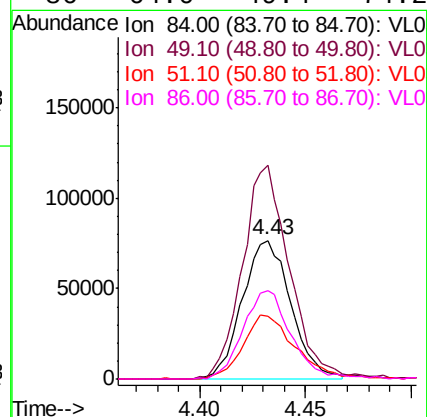
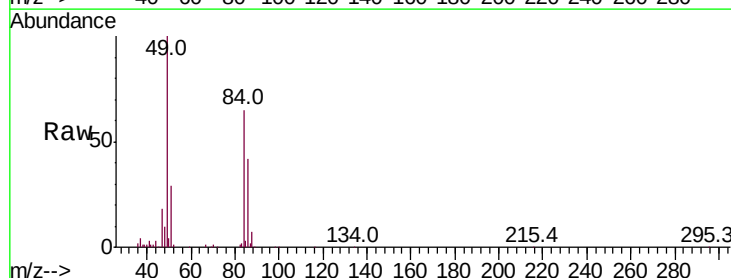
Ion Ratio Lower Upper

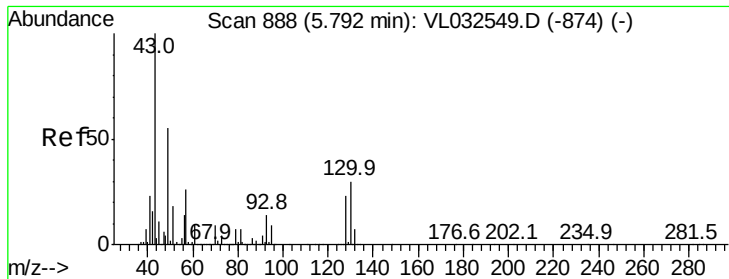
84 100

49 154.0 119.1 178.7

51 44.7 35.2 52.8

86 64.0 49.4 74.2

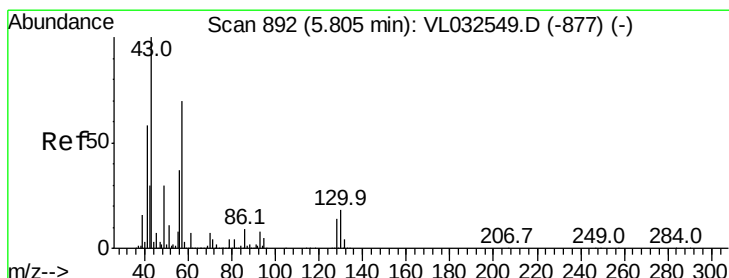
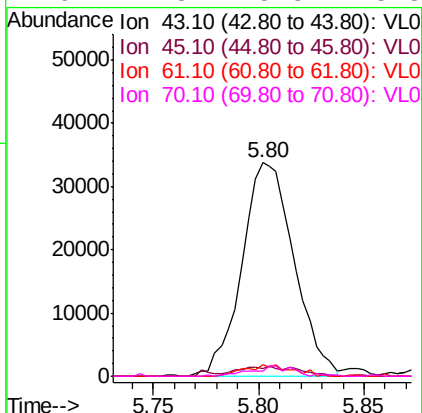
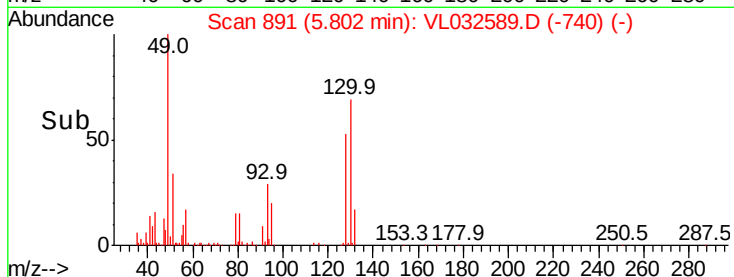
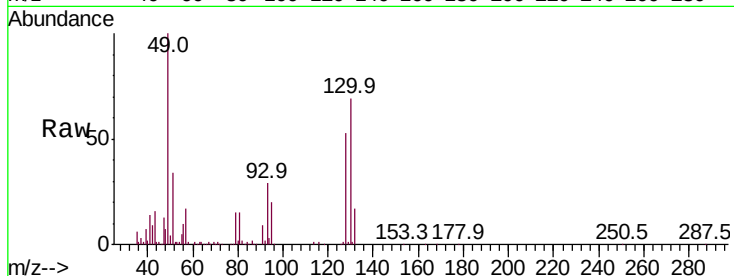




#25
Ethyl Acetate
Concen: 0.249 ppbv
RT: 5.80 min Scan# 891
Delta R.T. -0.01 min
Lab File: VL032589.D
Acq: 3 Oct 2018 21:20

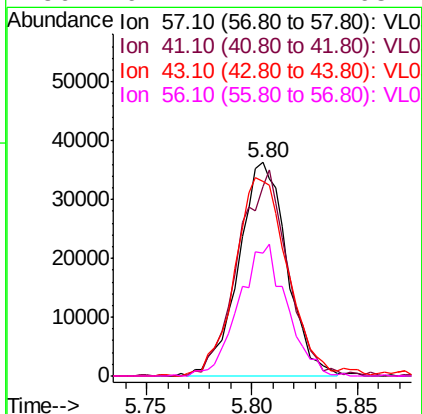
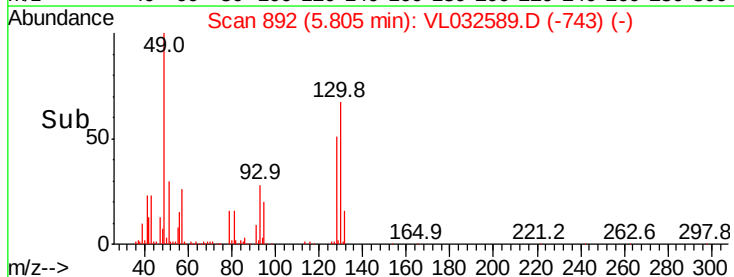
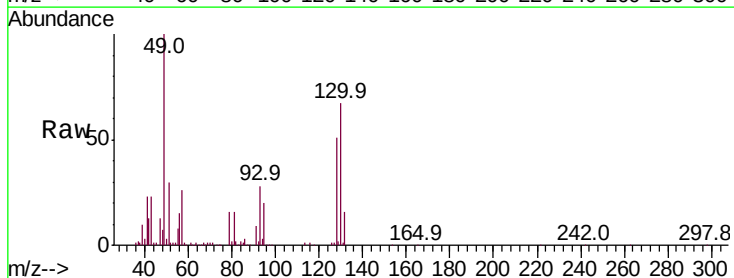
Instrument :
MSVOA_L
ClientSampled :

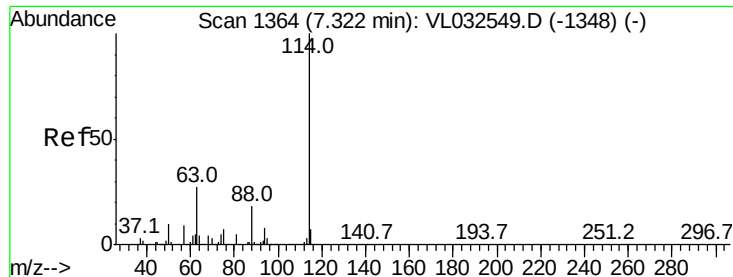
Tot Ion: 43 Resp: 57918
Ion Ratio Lower Upper
43 100
45 6.2 8.0 12.0#
61 5.2 7.6 11.4#
70 4.3 5.8 8.8#



#26
Hexane
Concen: 0.551 ppbv
RT: 5.80 min Scan# 892
Delta R.T. -0.02 min
Lab File: VL032589.D
Acq: 3 Oct 2018 21:20

Tgt Ion: 57 Resp: 57902
Ion Ratio Lower Upper
57 100
41 99.8 69.0 103.4
43 102.2 172.1 258.1#
56 61.2 42.2 63.2

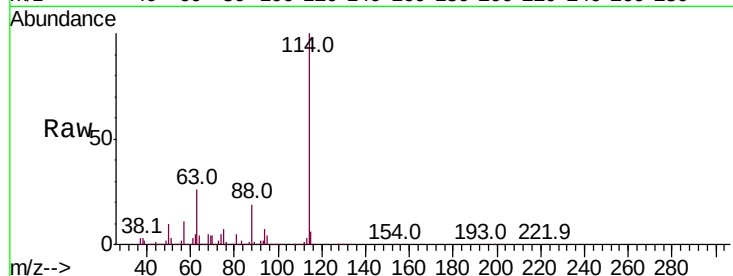




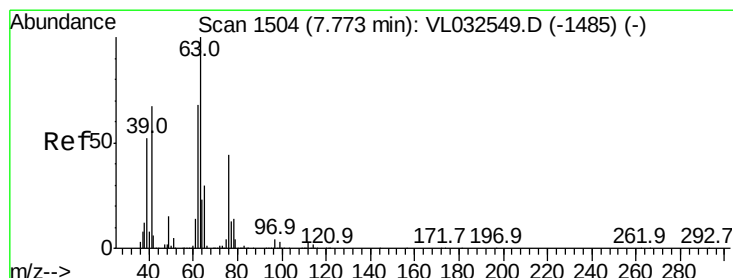
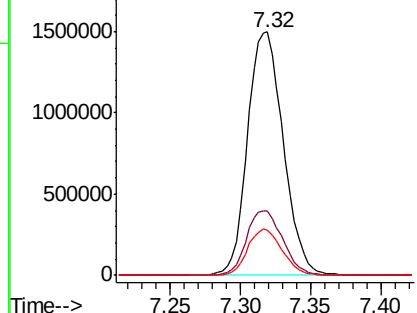
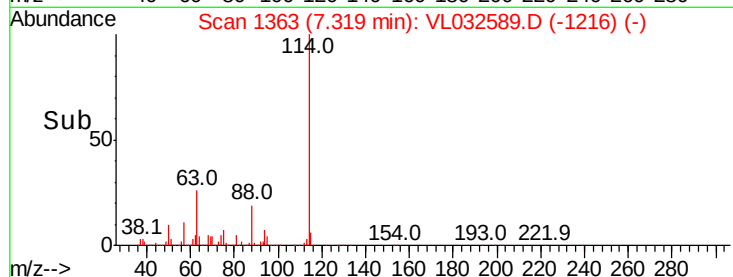
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.32 min Scan# 1363
 Delta R.T. -0.03 min
 Lab File: VL032589.D
 Acq: 3 Oct 2018 21:20

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 2660895
 Ion Ratio Lower Upper
 114 100
 63 27.0 22.2 33.4
 88 18.4 15.0 22.4

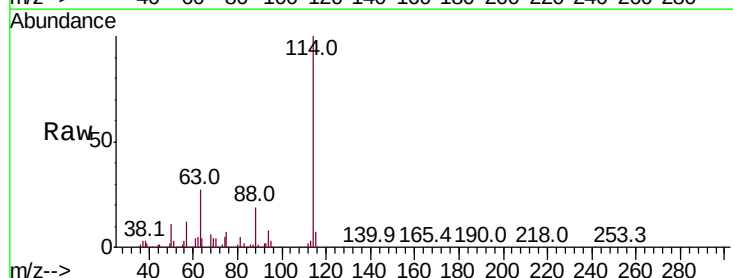


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

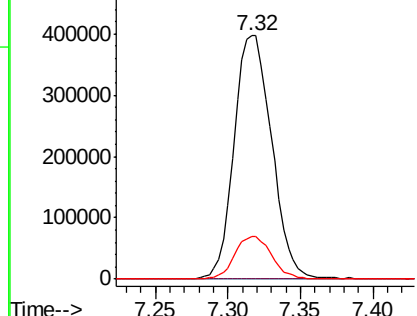
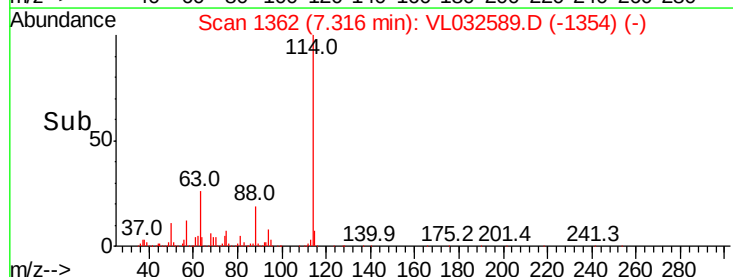


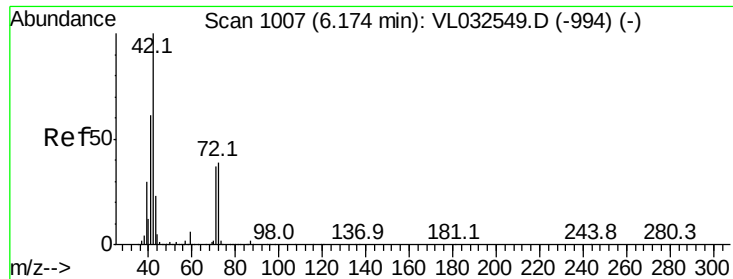
#39
 1,2-Dichloropropane
 Concen: 7.392 ppbv
 RT: 7.32 min Scan# 1362
 Delta R.T. -0.47 min
 Lab File: VL032589.D
 Acq: 3 Oct 2018 21:20

Tgt Ion: 63 Resp: 716379
 Ion Ratio Lower Upper
 63 100
 41 0.1 55.4 83.0#
 62 17.7 55.4 83.0#



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

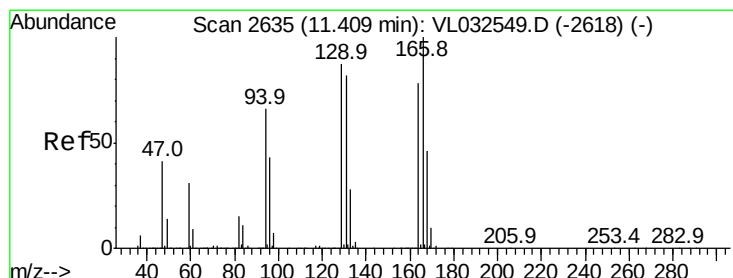
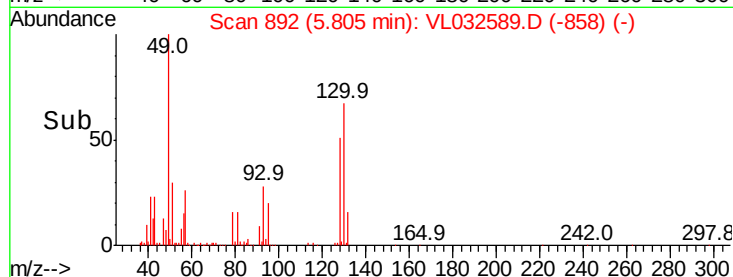
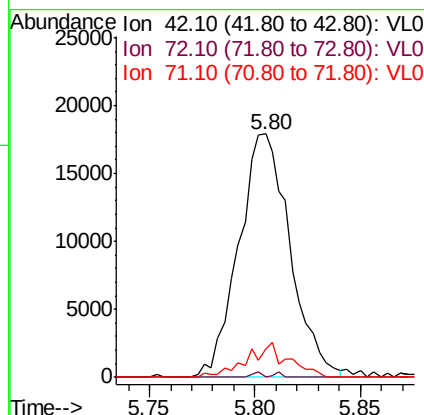
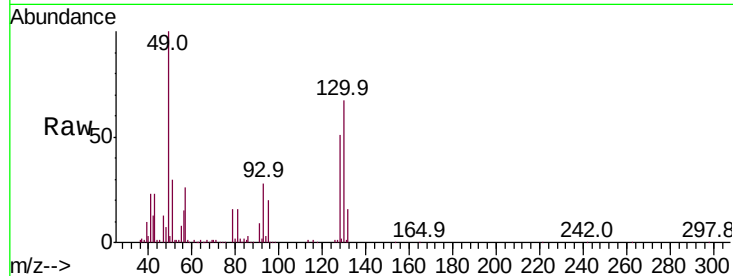




#41
Tetrahydrofuran
Concen: 0.351 ppbv
RT: 5.80 min Scan# 892
Delta R.T. -0.39 min
Lab File: VL032589.D
Acq: 3 Oct 2018 21:20

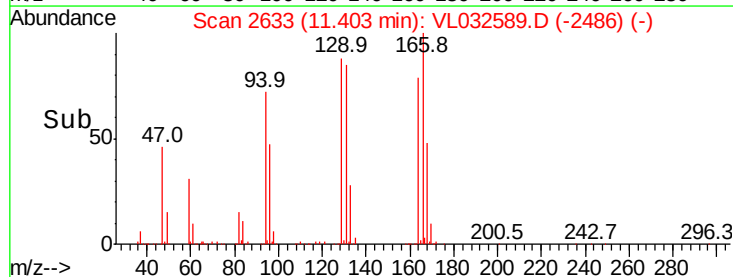
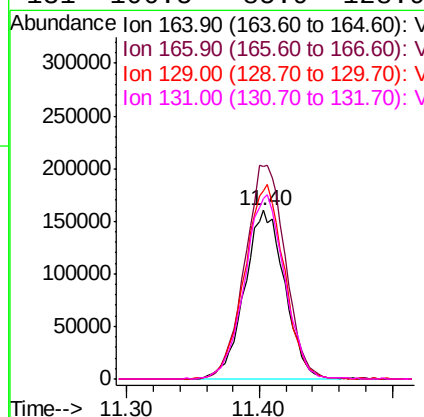
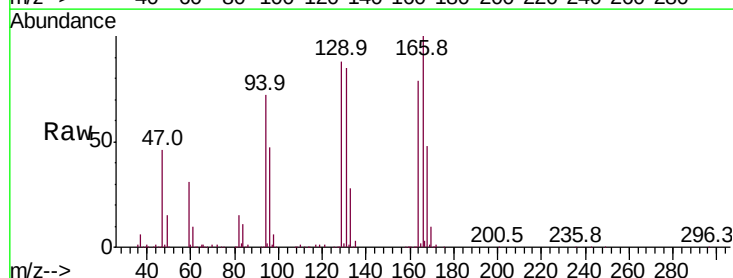
Instrument :
MSVOA_L
ClientSampleId :

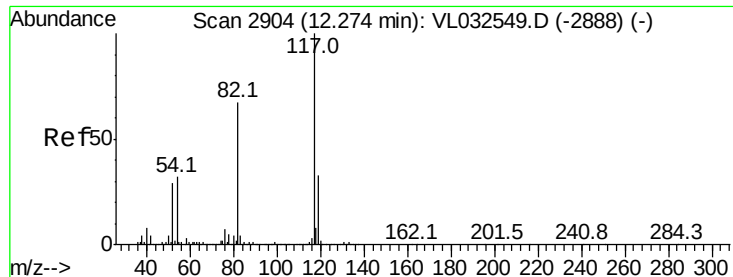
Tot Ion	Ratio	Lower	Upper
42	100		
72	0.8	29.5	44.3#
71	11.5	28.3	42.5#



#52
Tetrachloroethene
Concen: 4.479 ppbv
RT: 11.40 min Scan# 2633
Delta R.T. -0.03 min
Lab File: VL032589.D
Acq: 3 Oct 2018 21:20

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.7	100.6	150.8
129	110.8	89.9	134.9
131	106.5	85.9	128.9

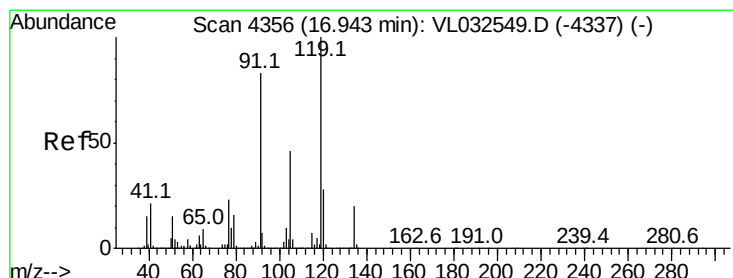
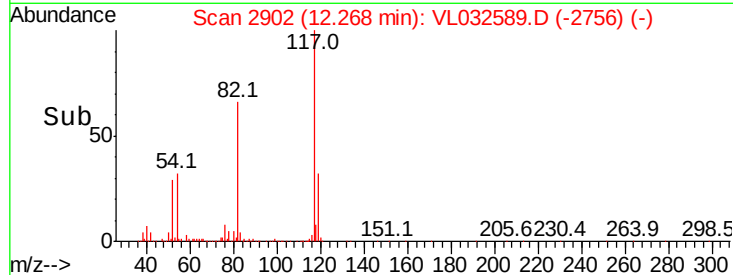
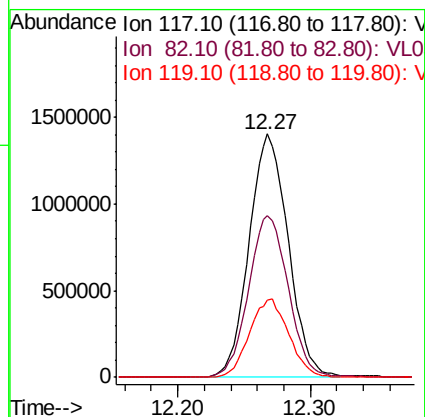
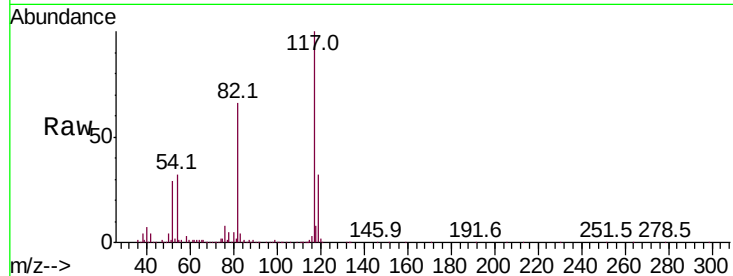




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.27 min Scan# 2902
Delta R.T. -0.03 min
Lab File: VL032589.D
Acq: 3 Oct 2018 21:20

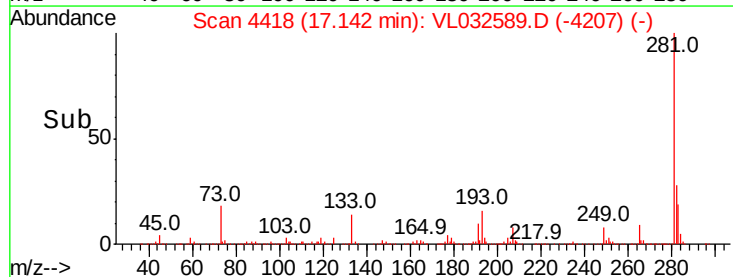
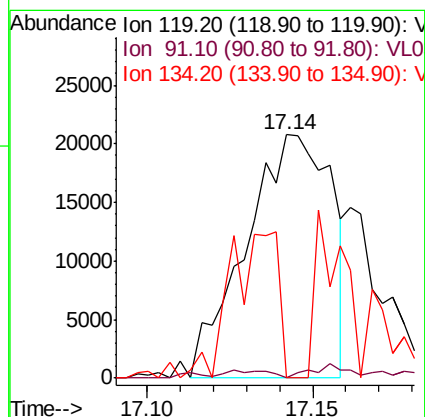
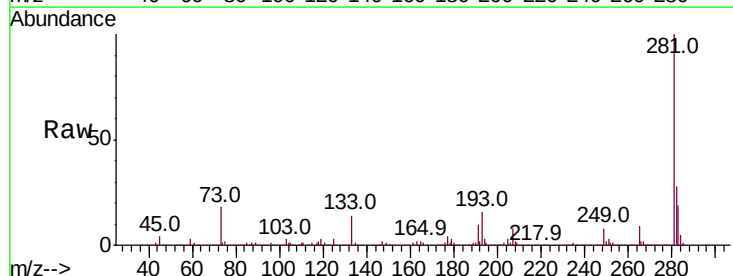
Instrument :
MSVOA_L
ClientSampleId :

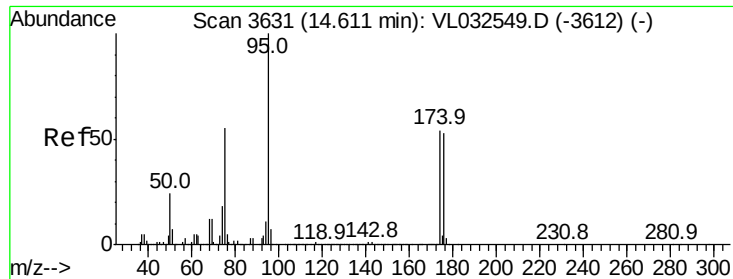
Tot Ion:117 Resp: 2891447
Ion Ratio Lower Upper
117 100
82 67.6 53.0 79.6
119 32.5 45.9 68.9#



#65
tert-Butylbenzene
Concen: 0.102 ppbv
RT: 17.14 min Scan# 4418
Delta R.T. 0.18 min
Lab File: VL032589.D
Acq: 3 Oct 2018 21:20

Tgt Ion:119 Resp: 37408
Ion Ratio Lower Upper
119 100
91 1.2 66.5 99.7#
134 0.0 16.0 24.0#





#68

1-Bromo-4-Fluorobenzene

Concen: 9.351 ppbv

RT: 14.61 min Scan# 3629

Delta R.T. -0.03 min

Lab File: VL032589.D

Acq: 3 Oct 2018 21:20

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 95 Resp: 2039083

Ion Ratio Lower Upper

95 100

174 58.0 46.3 69.5

175 4.0 3.4 5.0

