

Data File : VL032611.D
Acq On : 11 Oct 2018 19:25
Operator : SY/AP
Sample : J5370-05DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
AMBIENT-SVI-100518DL

Quant Time: Oct 12 01:56:02 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	1495161	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.32	114	3178752	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.27	117	3345387	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.61	95	2447181	9.70	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.00%

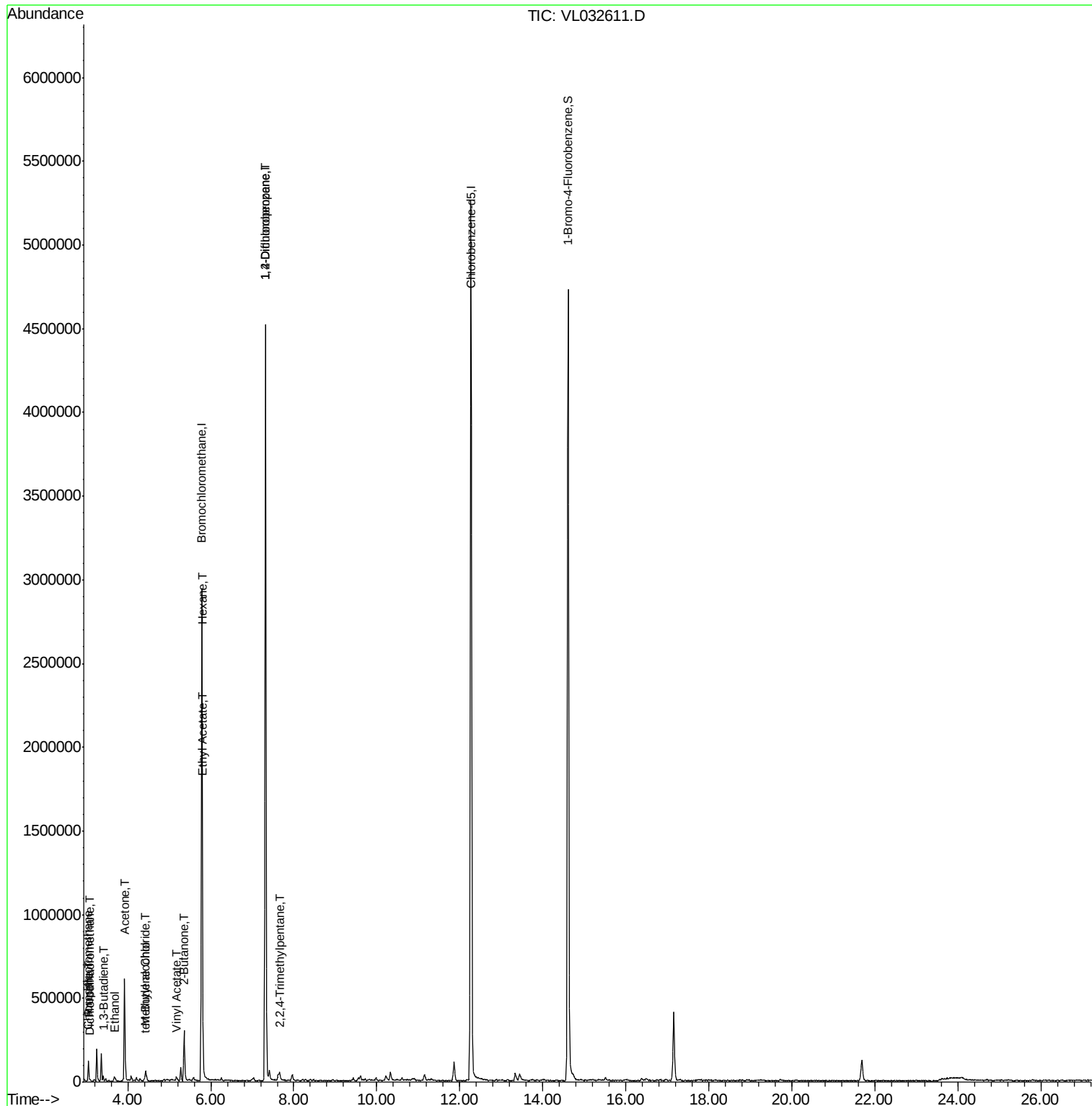
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.09	85	5616	0.041	ppbv #	84
3) Chlorodifluoromethane	3.03	51	5018	0.040	ppbv	93
9) Propene	3.05	41	42710	0.792	ppbv	98
13) Ethanol	3.67	45	10237	0.631	ppbv #	39
15) Acetone	3.92	43	605826	4.616	ppbv	95
16) 1,3-Butadiene	3.40	39	1958	0.037	ppbv #	1
17) tert-Butyl alcohol	4.40	59	2802	0.170	ppbv #	100
20) Methylene Chloride	4.43	84	17246	0.271	ppbv	96
23) Vinyl Acetate	5.17	43	13122	0.057	ppbv #	79
25) Ethyl Acetate	5.81	43	24011	0.075	ppbv #	88
26) Hexane	5.80	57	25429	0.177	ppbv #	48
34) 2-Butanone	5.36	43	340739	1.800	ppbv	98
39) 1,2-Dichloropropane	7.32	63	854242	7.379	ppbv #	25
44) 2,2,4-Trimethylpentane	7.66	57	53073	0.106	ppbv #	54

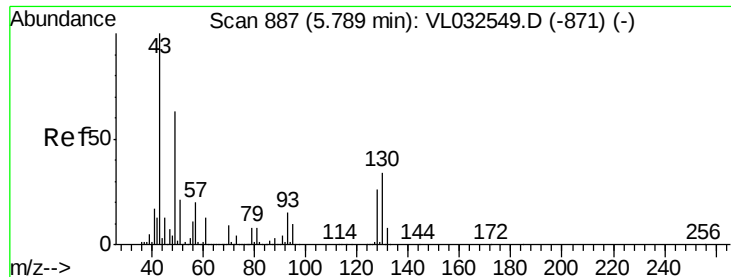
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.79 min Scan# 886

Delta R.T. -0.02 min

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MSVOA_L

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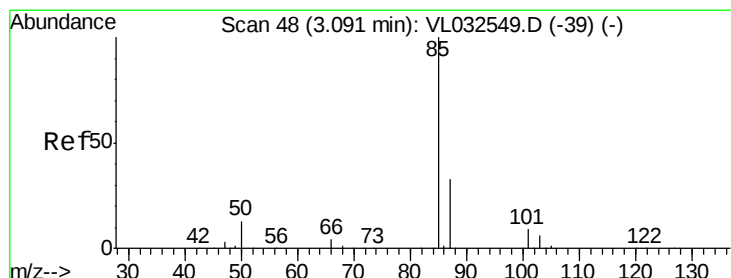
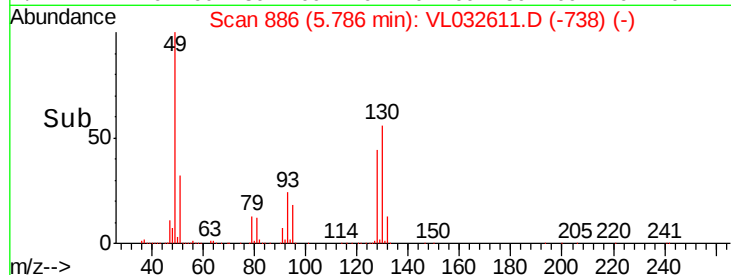
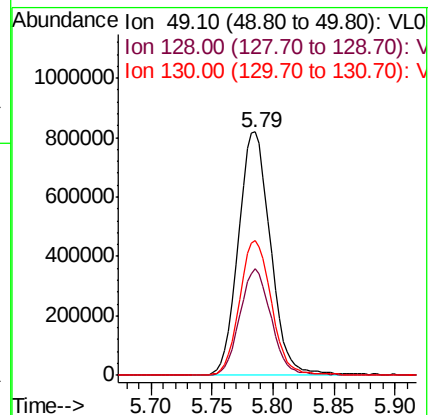
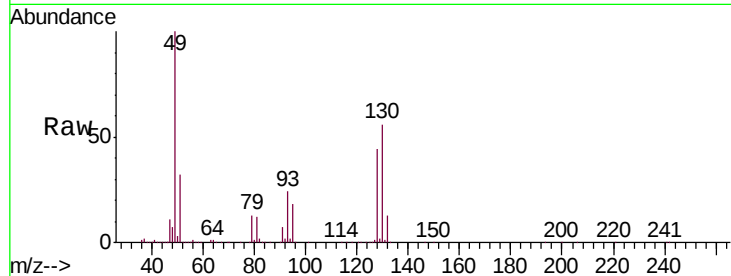
Tgt Ion: 49 Resp: 1495161

Ion Ratio Lower Upper

49 100

128 43.0 20.7 62.1

130 55.7 26.6 79.7



#2

Dichlorodifluoromethane

Concen: 0.041 ppbv

RT: 3.09 min Scan# 48

Delta R.T. -0.02 min

Lab File: VL032611.D

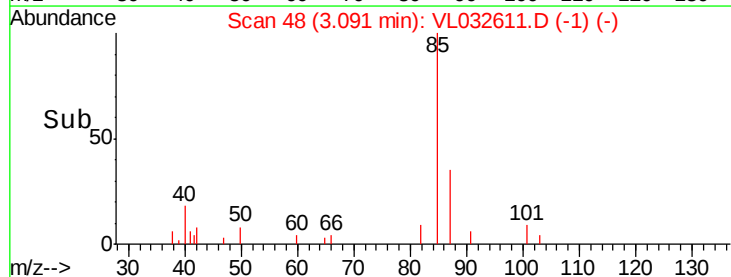
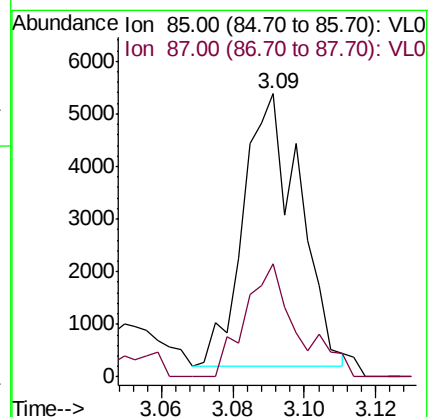
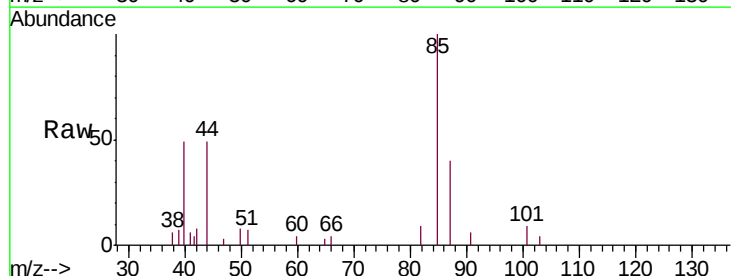
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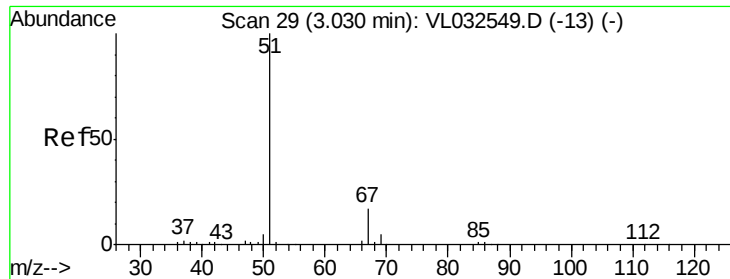
Tgt Ion: 85 Resp: 5616

Ion Ratio Lower Upper

85 100

87 41.6 26.2 39.4#

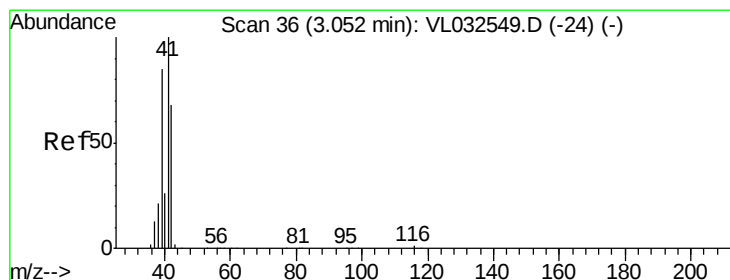
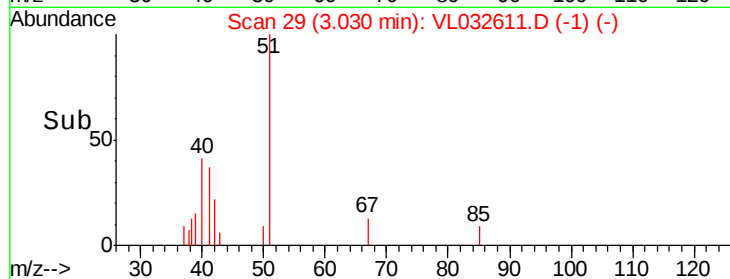
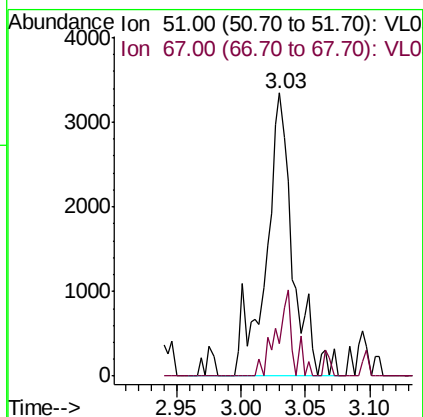
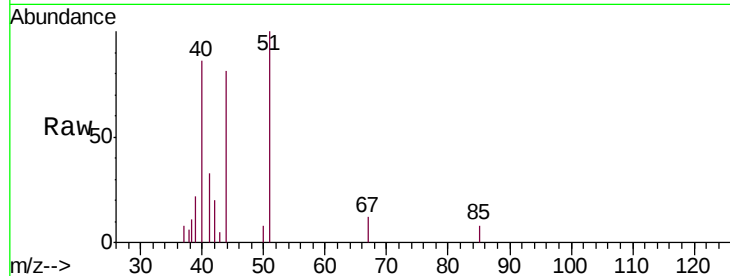




#3
 Chlorodifluoromethane
 Concen: 0.040 ppbv
 RT: 3.03 min Scan# 29
 Delta R.T. -0.01 min
 Lab File: VL032611.D
 Acq: 11 Oct 2018 19:25

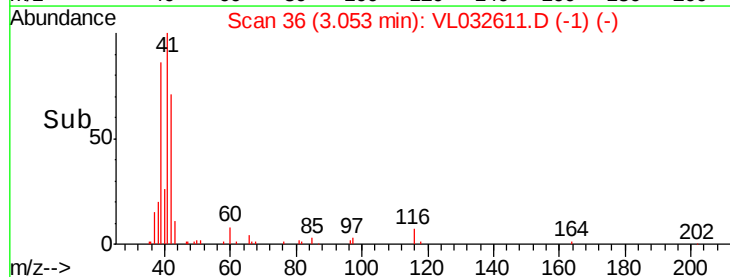
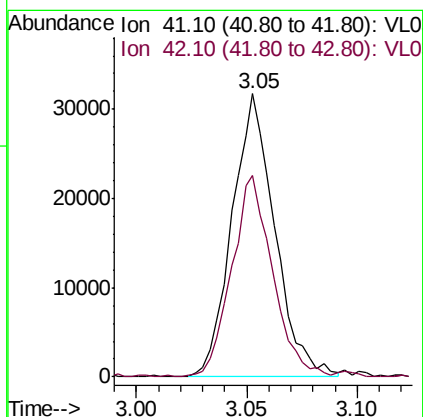
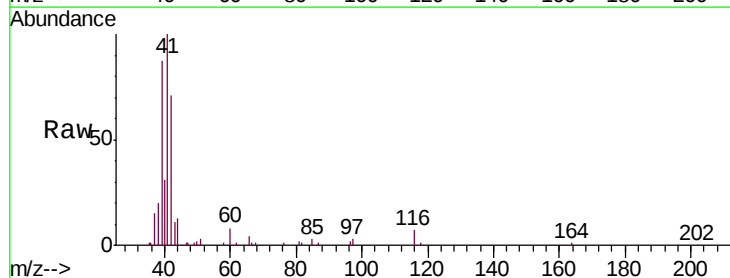
Instrument :
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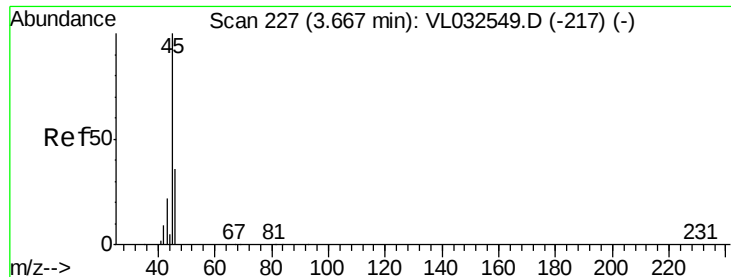
Tgt Ion: 51 Resp: 5018
 Ion Ratio Lower Upper
 51 100
 67 20.2 13.8 20.8



#9
 Propene
 Concen: 0.792 ppbv
 RT: 3.05 min Scan# 36
 Delta R.T. -0.01 min
 Lab File: VL032611.D
 Acq: 11 Oct 2018 19:25

Tgt Ion: 41 Resp: 42710
 Ion Ratio Lower Upper
 41 100
 42 68.9 56.6 84.8

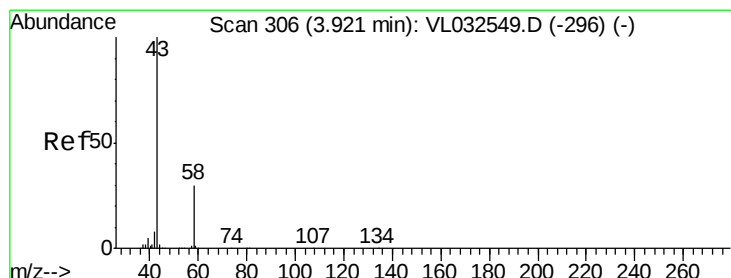
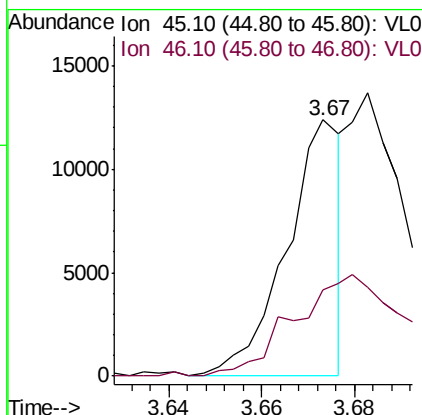
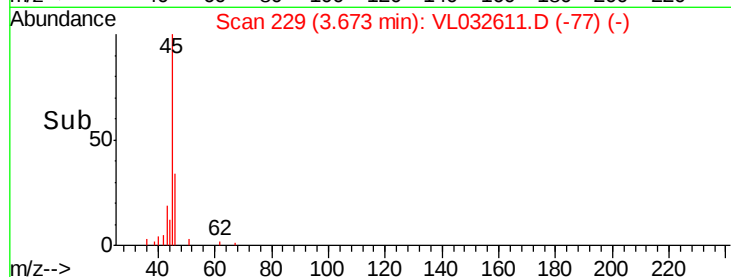
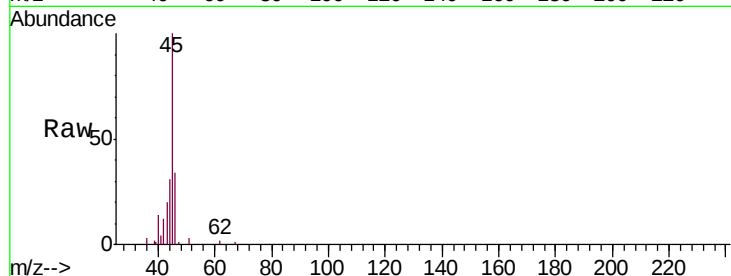




#13
Ethanol
Concen: 0.631 ppbv
RT: 3.67 min Scan# 229
Delta R.T. -0.01 min
Lab File: VL032611.D
Acq: 11 Oct 2018 19:25

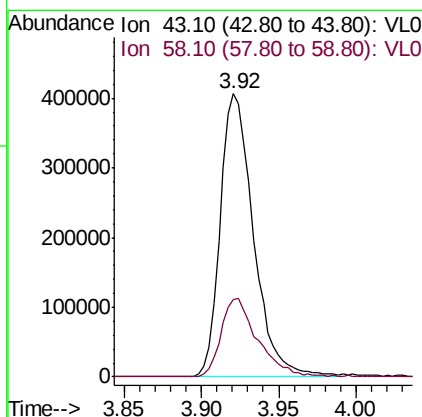
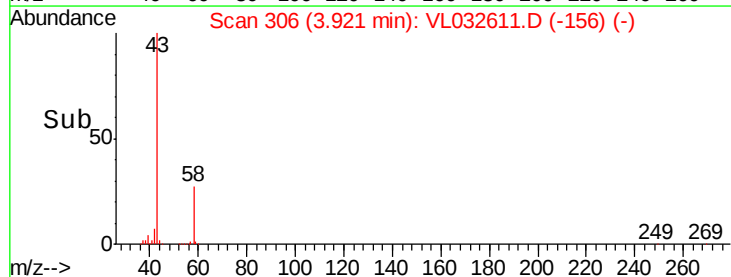
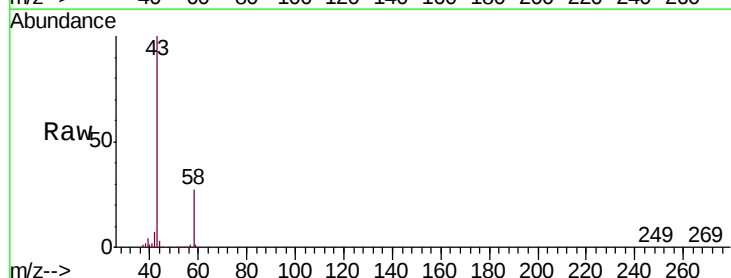
Instrument :
MSVOA_L
ClientSampleId :
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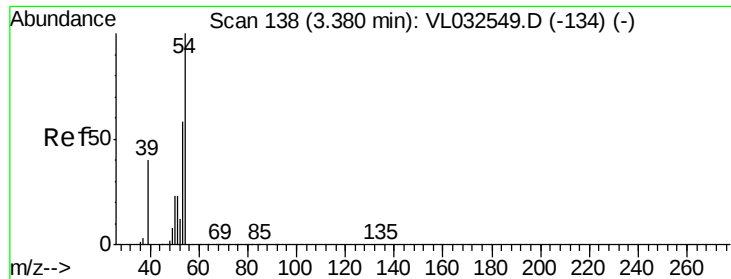
Tgt Ion: 45 Resp: 10237
Ion Ratio Lower Upper
45 100
46 0.0 14.2 56.8#



#15
Acetone
Concen: 4.616 ppbv
RT: 3.92 min Scan# 306
Delta R.T. -0.02 min
Lab File: VL032611.D
Acq: 11 Oct 2018 19:25

Tgt Ion: 43 Resp: 605826
Ion Ratio Lower Upper
43 100
58 31.0 22.6 33.8

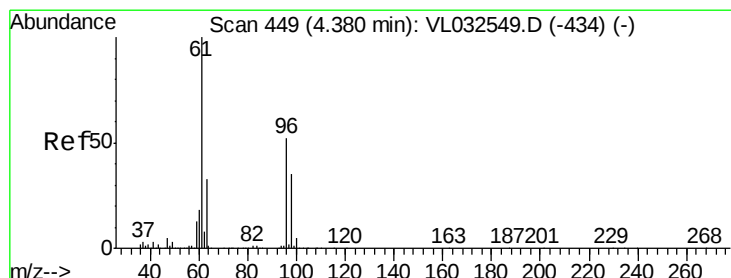
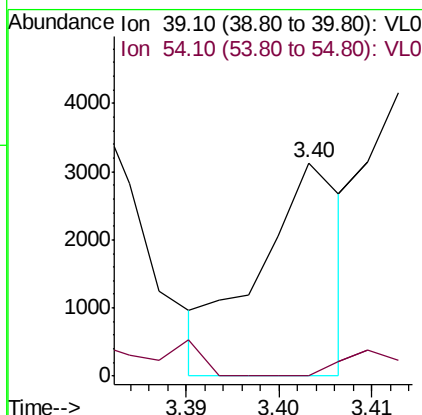
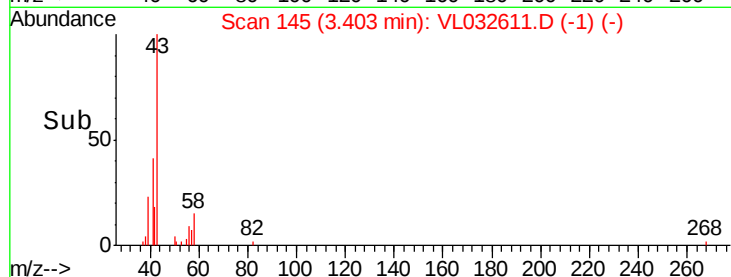
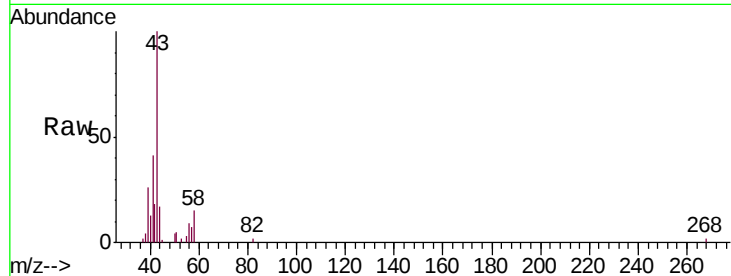




#16
1,3-Butadiene
Concen: 0.037 ppbv
RT: 3.40 min Scan# 145
Delta R.T. 0.00 min
Lab File: VL032611.D
Acq: 11 Oct 2018 19:25

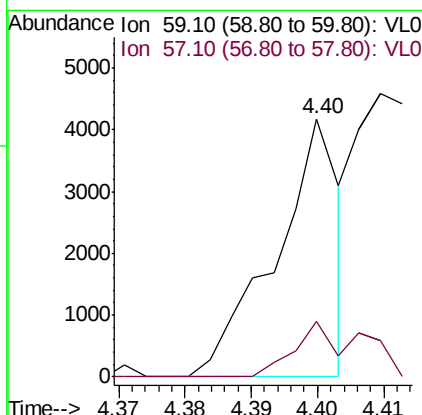
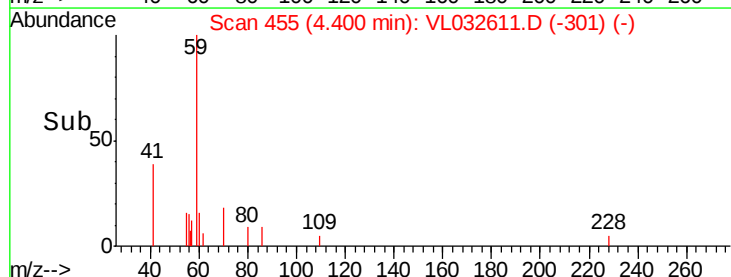
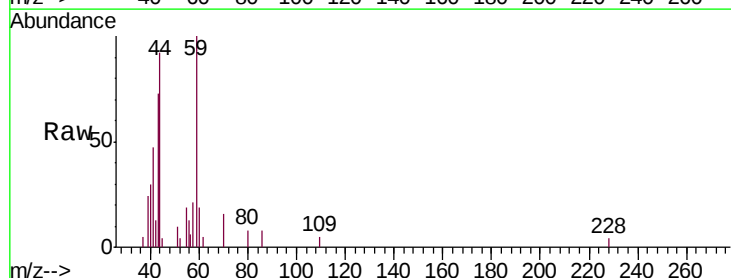
Instrument :
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ClientSampleId :
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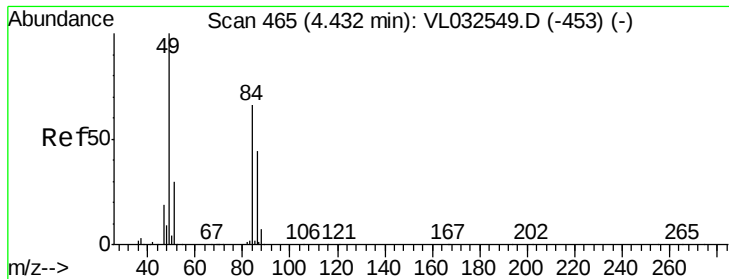
Tgt Ion: 39 Resp: 1958
Ion Ratio Lower Upper
39 100
54 0.0 80.8 121.2#



#17
tert-Butyl alcohol
Concen: 0.170 ppbv
RT: 4.40 min Scan# 455
Delta R.T. -0.01 min
Lab File: VL032611.D
Acq: 11 Oct 2018 19:25

Tgt Ion: 59 Resp: 2802
Ion Ratio Lower Upper
59 100
57 0.0 0.0 0.0

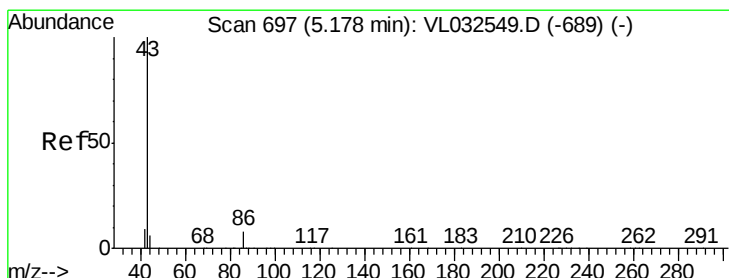
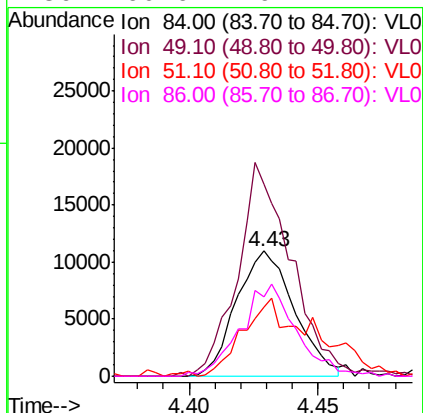
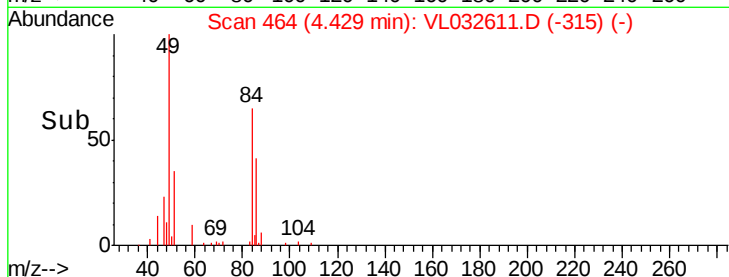
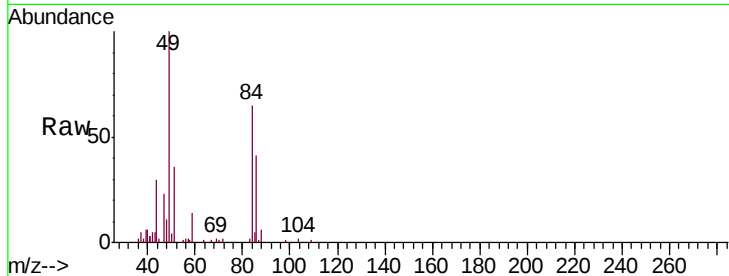




#20
Methylene Chloride
Concen: 0.271 ppbv
RT: 4.43 min Scan# 464
Delta R.T. -0.02 min
Lab File: VL032611.D
Acq: 11 Oct 2018 19:25

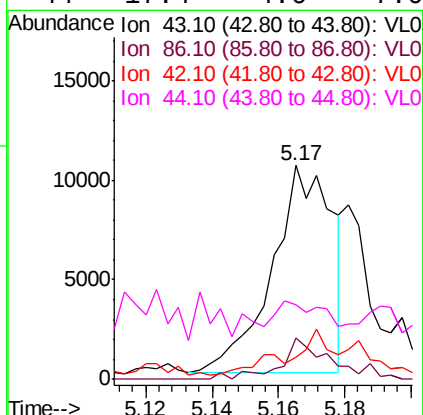
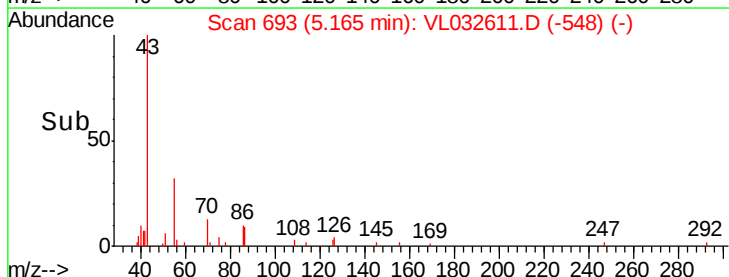
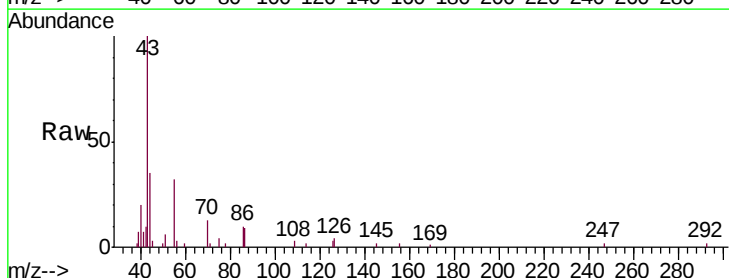
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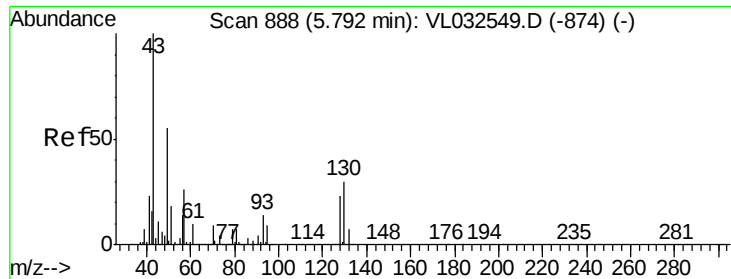
Tgt Ion:	84	Resp:	17246
Ion	Ratio	Lower	Upper
84	100		
49	153.3	119.1	178.7
51	51.3	35.2	52.8
86	60.6	49.4	74.2



#23
Vinyl Acetate
Concen: 0.057 ppbv
RT: 5.17 min Scan# 693
Delta R.T. -0.03 min
Lab File: VL032611.D
Acq: 11 Oct 2018 19:25

Tgt Ion:	43	Resp:	13122
Ion	Ratio	Lower	Upper
43	100		
86	19.8	5.9	8.9#
42	8.6	6.9	10.3
44	17.4	4.6	7.0#

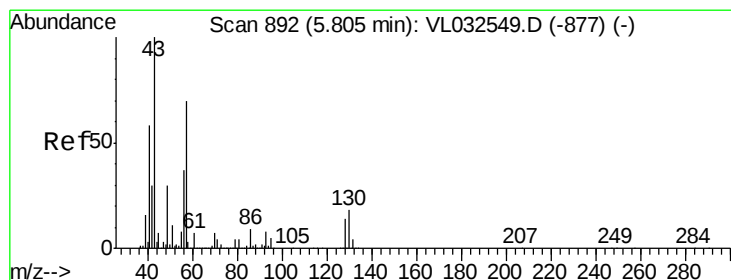
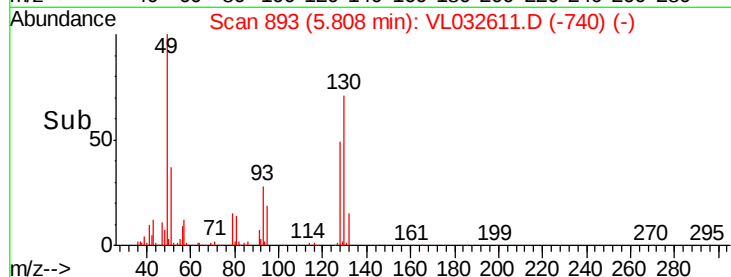
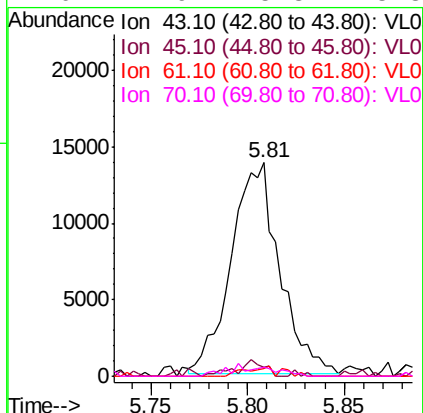
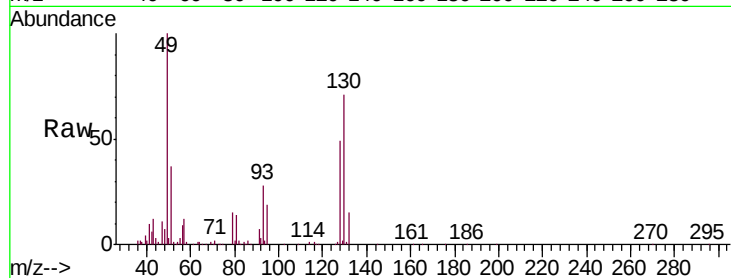




#25
Ethyl Acetate
Concen: 0.075 ppbv
RT: 5.81 min Scan# 893
Delta R.T. -0.01 min
Lab File: VL032611.D
Acq: 11 Oct 2018 19:25

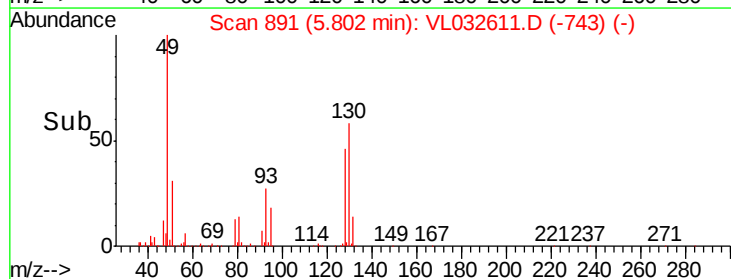
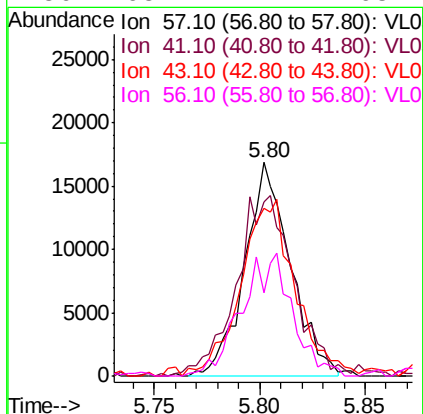
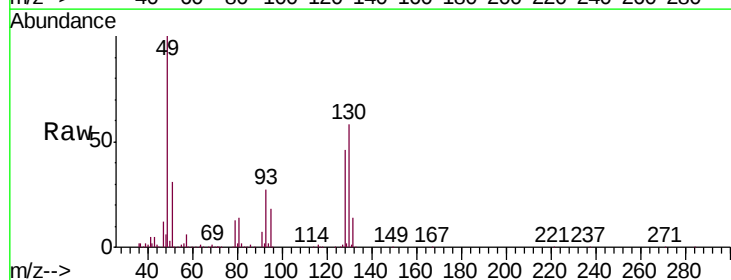
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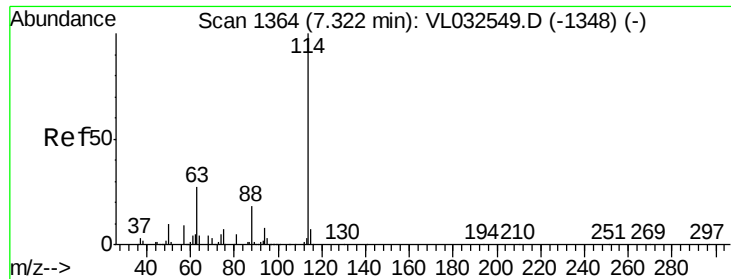
Tgt Ion:	43	Resp:	24011
Ion	Ratio	Lower	Upper
43	100		
45	5.6	8.0	12.0#
61	3.2	7.6	11.4#
70	4.9	5.8	8.8#



#26
Hexane
Concen: 0.177 ppbv
RT: 5.80 min Scan# 891
Delta R.T. -0.02 min
Lab File: VL032611.D
Acq: 11 Oct 2018 19:25

Tgt Ion:	57	Resp:	25429
Ion	Ratio	Lower	Upper
57	100		
41	107.9	69.0	103.4#
43	101.4	172.1	258.1#
56	65.4	42.2	63.2#

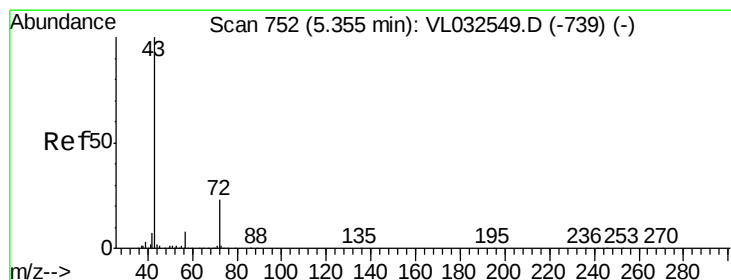
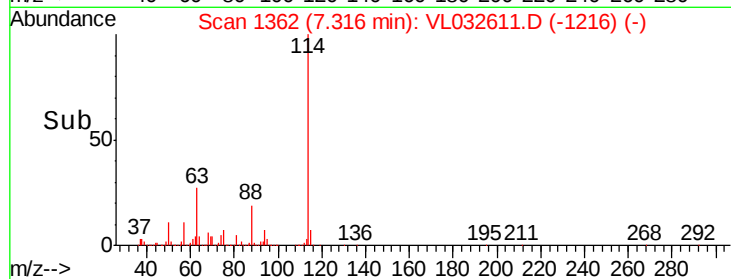
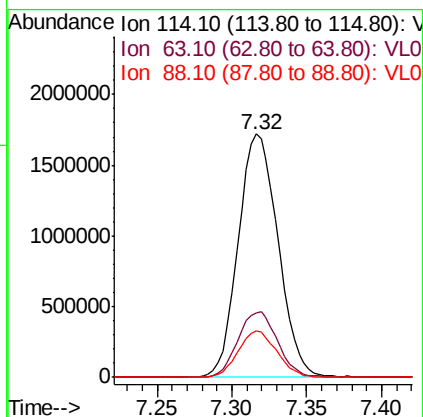
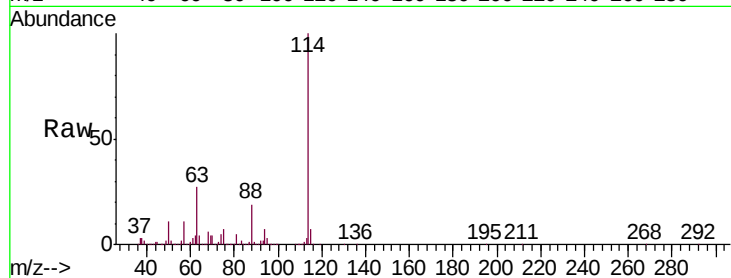




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.32 min Scan# 1362
 Delta R.T. -0.03 min
 Lab File: VL032611.D
 Acq: 11 Oct 2018 19:25

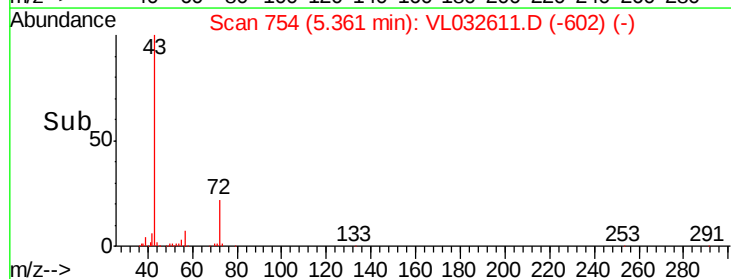
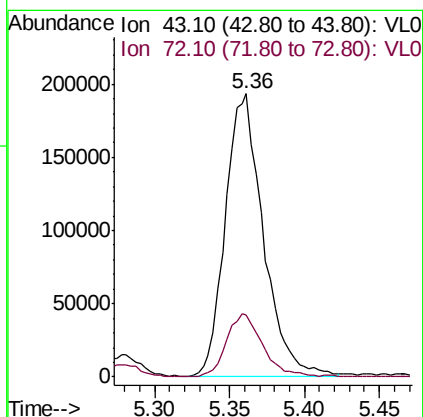
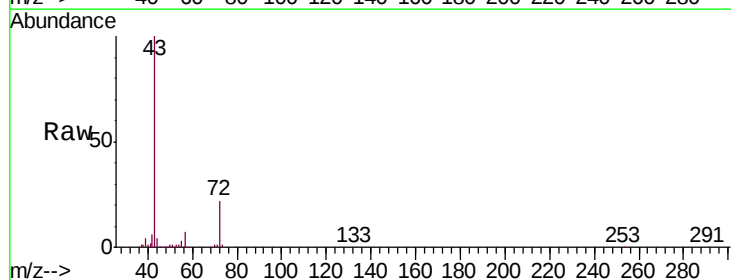
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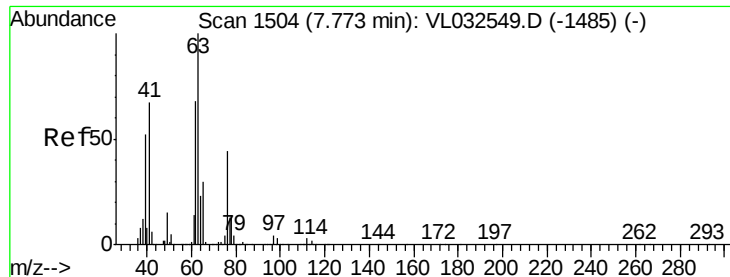
Tgt Ion: 114 Resp: 3178752
 Ion Ratio Lower Upper
 114 100
 63 27.0 22.2 33.4
 88 18.6 15.0 22.4



#34
 2-Butanone
 Concen: 1.800 ppbv
 RT: 5.36 min Scan# 754
 Delta R.T. -0.01 min
 Lab File: VL032611.D
 Acq: 11 Oct 2018 19:25

Tgt Ion: 43 Resp: 340739
 Ion Ratio Lower Upper
 43 100
 72 21.1 17.8 26.6





#39

1,2-Dichloropropane

Concen: 7.379 ppbv

RT: 7.32 min Scan# 1363

Delta R.T. -0.47 min

Lab File: VL032611.D

Acq: 11 Oct 2018 19:25

Instrument :

MSVOA_L

ClientSampleId :

AMBIENT-SVI-100518DL

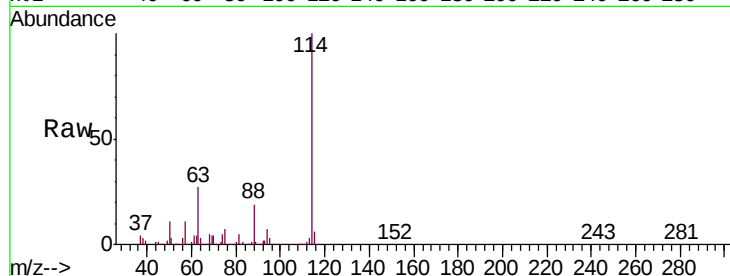
Tgt Ion: 63 Resp: 854242

Ion Ratio Lower Upper

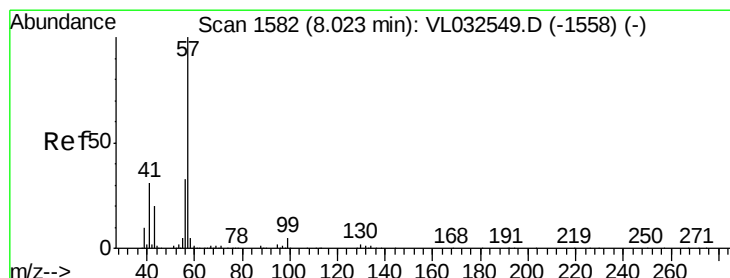
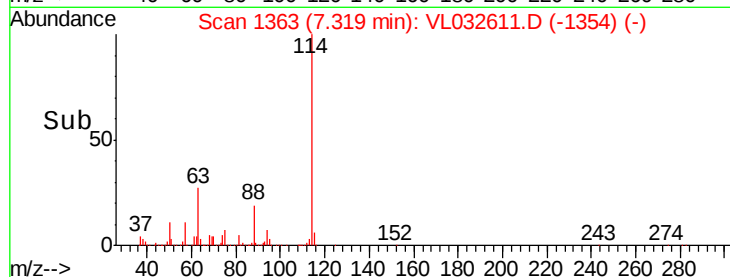
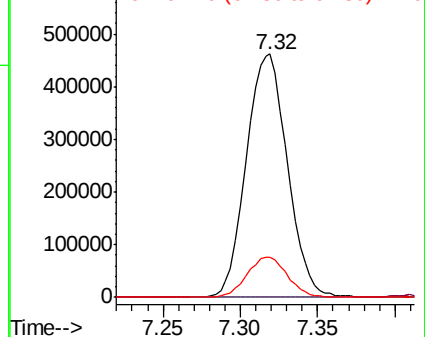
63 100

41 0.1 55.4 83.0#

62 16.3 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



#44

2,2,4-Trimethylpentane

Concen: 0.106 ppbv

RT: 7.66 min Scan# 1469

Delta R.T. -0.38 min

Lab File: VL032611.D

Acq: 11 Oct 2018 19:25

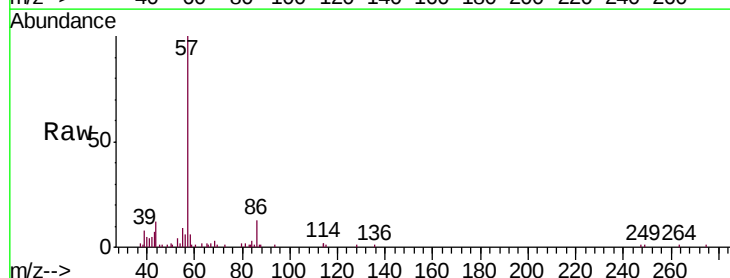
Tgt Ion: 57 Resp: 53073

Ion Ratio Lower Upper

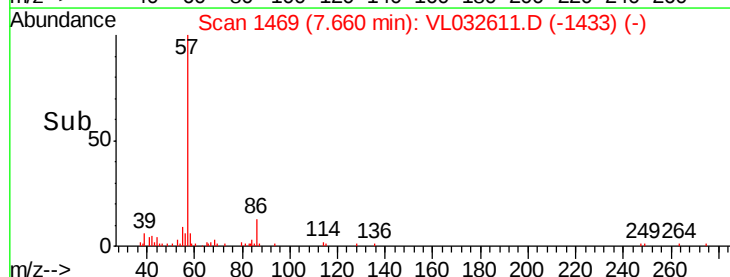
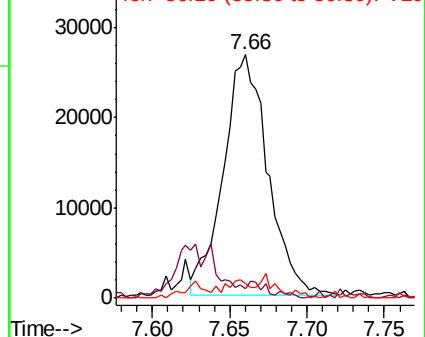
57 100

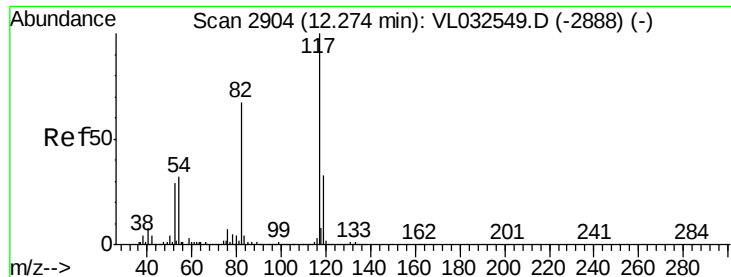
41 0.0 24.4 36.6#

56 11.7 25.7 38.5#



Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

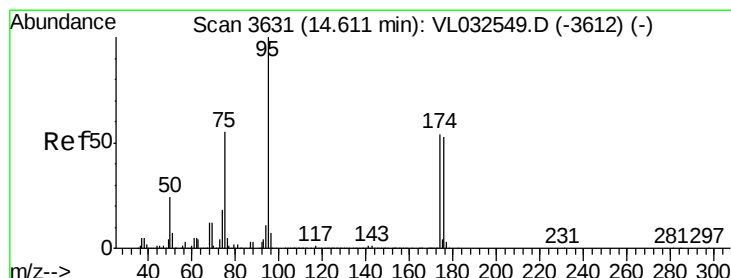
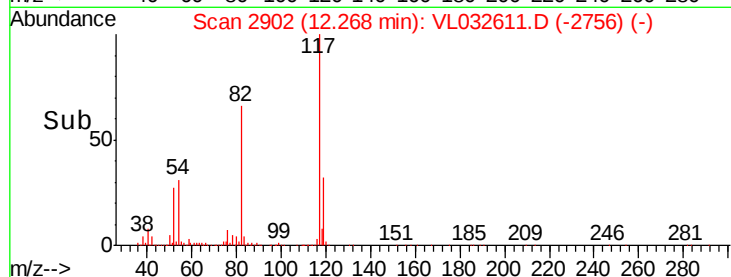
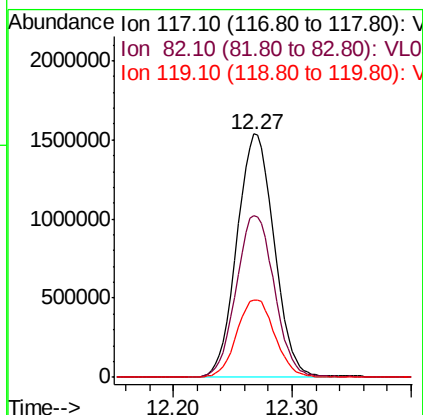
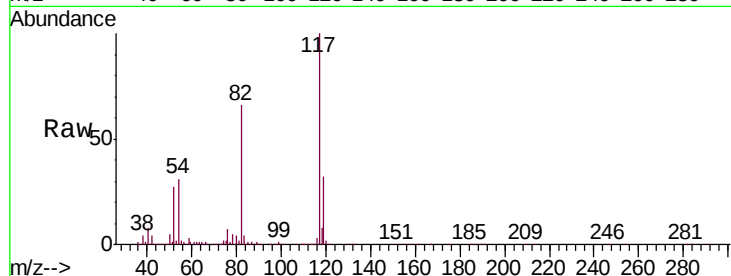




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.27 min Scan# 2902
Delta R.T. -0.03 min
Lab File: VL032611.D
Acq: 11 Oct 2018 19:25

Instrument :
MSVOA_L
ClientSampleId :
AMBIENT-SVI-100518DL

Tgt Ion: 117 Resp: 3345387
Ion Ratio Lower Upper
117 100
82 68.5 53.0 79.6
119 32.8 45.9 68.9#



#68
1-Bromo-4-Fluorobenzene
Concen: 9.700 ppbv
RT: 14.61 min Scan# 3629
Delta R.T. -0.03 min
Lab File: VL032611.D
Acq: 11 Oct 2018 19:25

Tgt Ion: 95 Resp: 2447181
Ion Ratio Lower Upper
95 100
174 57.6 46.3 69.5
175 4.0 3.4 5.0

