

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL041918\
 Data File : VL031886.D
 Acq On : 19 Apr 2018 20:22
 Operator : SY/AP
 Sample : J2133-13 0.1 PPBV
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2018

Manual Integrations
 APPROVED

Quant Time: Apr 20 09:00:31 2018
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL041218AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Apr 13 16:50:02 2018
 QLast Update : Fri Apr 13 16:50:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.88	49	1108667	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.42	114	2598398	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.39	117	2514845	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.72	95	2075548	10.26	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.60%

sam

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.16	85	31266m	0.14	ppbv	
3) Chlorodifluoromethane	3.10	51	17593	0.14	ppbv	94
4) Chloromethane	3.26	50	9071	0.14	ppbv	96
5) Vinyl Chloride	3.39	62	7992m	0.11	ppbv	
6) Bromomethane	3.62	94	6124	0.13	ppbv #	51
7) Chloroethane	3.70	64	4118m	0.14	ppbv	
8) Dichlorotetrafluoroethane	3.31	85	25978	0.14	ppbv	93
9) Propene	3.12	41	4162m	0.09	ppbv	
10) Heptane	8.38	43	9969m	0.07	ppbv	
11) Trichlorofluoromethane	4.11	101	31840	0.14	ppbv	95
12) 1,1,2-Trichlorotrifluoroet	4.67	101	20393m	0.14	ppbv	
13) Ethanol	3.78	45	3027m	0.20	ppbv	
14) Bromoethene	3.89	108	6067m	0.11	ppbv	
15) Acetone	4.04	43	33255	0.19	ppbv	99
16) 1,3-Butadiene	3.45	39	6311m	0.10	ppbv	
17) tert-Butyl alcohol	4.51	59	10992m	0.16	ppbv	
18) 1,1-Dichloroethene	4.46	96	8153m	0.13	ppbv	
19) Isopropyl Alcohol	4.17	45	13132m	0.14	ppbv	
20) Methylene Chloride	4.52	84	12726m	0.20	ppbv	
21) Allyl Chloride	4.59	41	11011m	0.11	ppbv	
22) trans-1,2-Dichloroethene	5.07	96	7279m	0.11	ppbv	
23) Vinyl Acetate	5.29	43	16671m	0.10	ppbv	
24) 1,1-Dichloroethane	5.21	63	19229	0.11	ppbv	97
25) Ethyl Acetate	5.91	43	27937m	0.10	ppbv	
26) Hexane	5.91	57	11105	0.09	ppbv #	70
27) Carbon Disulfide	4.73	76	16755m	0.10	ppbv	
28) Methyl tert-Butyl Ether	5.25	73	13466m	0.09	ppbv	
29) Chloroform	5.97	83	24940m	0.12	ppbv	
30) Cyclohexane	7.41	84	15221m	0.17	ppbv	
31) cis-1,2-Dichloroethene	5.77	61	9904m	0.09	ppbv	
32) 1,1,1-Trichloroethane	6.74	97	24409m	0.12	ppbv	
34) 2-Butanone	5.48	43	16210m	0.09	ppbv	
35) Carbon Tetrachloride	7.26	117	24951m	0.11	ppbv	
36) Benzene	7.13	78	18214m	0.08	ppbv	
37) 1,2-Dichloroethane	6.54	62	20574m	0.12	ppbv	
38) Trichloroethene	8.10	130	8623m	0.09	ppbv	
39) 1,2-Dichloropropane	7.87	63	9382m	0.11	ppbv	
40) 1,4-Dioxane	8.18	88	1297m	0.04	ppbv	
41) Tetrahydrofuran	6.32	42	5675m	0.07	ppbv	
42) Bromodichloromethane	8.05	83	21957	0.11	ppbv #	86
43) Methyl Methacrylate	8.28	69	5568m	0.07	ppbv	

4/23/2018 12:50:34 PM

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL041918\
 Data File : VL031886.D
 Acq On : 19 Apr 2018 20:22
 Operator : SY/AP
 Sample : J2133-13 0.1 PPBV
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2018

Manual Integrations
 APPROVED

Quant Time: Apr 20 09:00:31 2018
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL041218AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Apr 13 2018
 QLast Update : Fri Apr 13 16:50:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.13	57	26223	0.07	ppbv	# 77
45) t-1,3-Dichloropropene	9.56	75	8535m	0.08	ppbv	
46) cis-1,3-Dichloropropene	8.97	75	10435m	0.08	ppbv	
47) 1,1,2-Trichloroethane	9.75	97	11838m	0.11	ppbv	
48) Dibromochloromethane	10.60	129	15497m	0.09	ppbv	
49) Bromoform	13.35	173	11687m	0.09	ppbv	
50) 4-Methyl-2-Pentanone	9.05	43	14978m	0.07	ppbv	
51) 2-Hexanone	10.45	43	10463m	0.06	ppbv	sam
52) Tetrachloroethene	11.52	164	8874m	0.10	ppbv	
53) Toluene	10.10	91	15041m	0.06	ppbv	
54) 1,2-Dibromoethane	10.90	107	12510m	0.08	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.42	131	15368m	0.13	ppbv	4/23/2018 12:50:34 PM
57) Chlorobenzene	12.44	112	26949m	0.13	ppbv	
58) Ethyl Benzene	13.01	91	21379m	0.06	ppbv	
59) m/p-Xylene	13.29	91	36981m	0.12	ppbv	
60) o-Xylene	14.00	91	16555m	0.05	ppbv	
61) Styrene	13.85	104	4181m	0.07	ppbv	
62) Isopropylbenzene	14.97	105	29112	0.07	ppbv	96
63) 1,1,2,2-Tetrachloroethane	13.99	83	26535m	0.11	ppbv	
64) n-propylbenzene	15.87	120	5583m	0.06	ppbv	
65) tert-Butylbenzene	17.06	119	18558m	0.06	ppbv	
66) Benzyl Chloride	17.30	91	3374m	0.11	ppbv	
67) sec-Butylbenzene	17.60	105	30967m	0.06	ppbv	
69) p-Isopropyltoluene	17.97	119	19315m	0.05	ppbv	
70) n-Butylbenzene	18.86	91	23131m	0.06	ppbv	
71) 2-Chlorotoluene	15.77	91	17088m	0.06	ppbv	
72) 4-Ethyltoluene	16.14	105	16546m	0.05	ppbv	
73) 1,3,5-Trimethylbenzene	16.31	105	16608m	0.06	ppbv	
74) 1,2,4-Trimethylbenzene	17.07	105	18073m	0.06	ppbv	
75) 1,3-Dichlorobenzene	17.32	146	23428m	0.12	ppbv	
76) 1,4-Dichlorobenzene	17.45	146	17903m	0.10	ppbv	
77) 1,2-Dichlorobenzene	18.14	146	17497m	0.09	ppbv	
78) Hexachloro-1,3-Butadiene	23.68	225	13104m	0.18	ppbv	
79) Naphthalene	22.60	128	11041m	0.06	ppbv	
81) 1,2,4-Trichlorobenzene	22.30	180	6909m	0.07	ppbv	

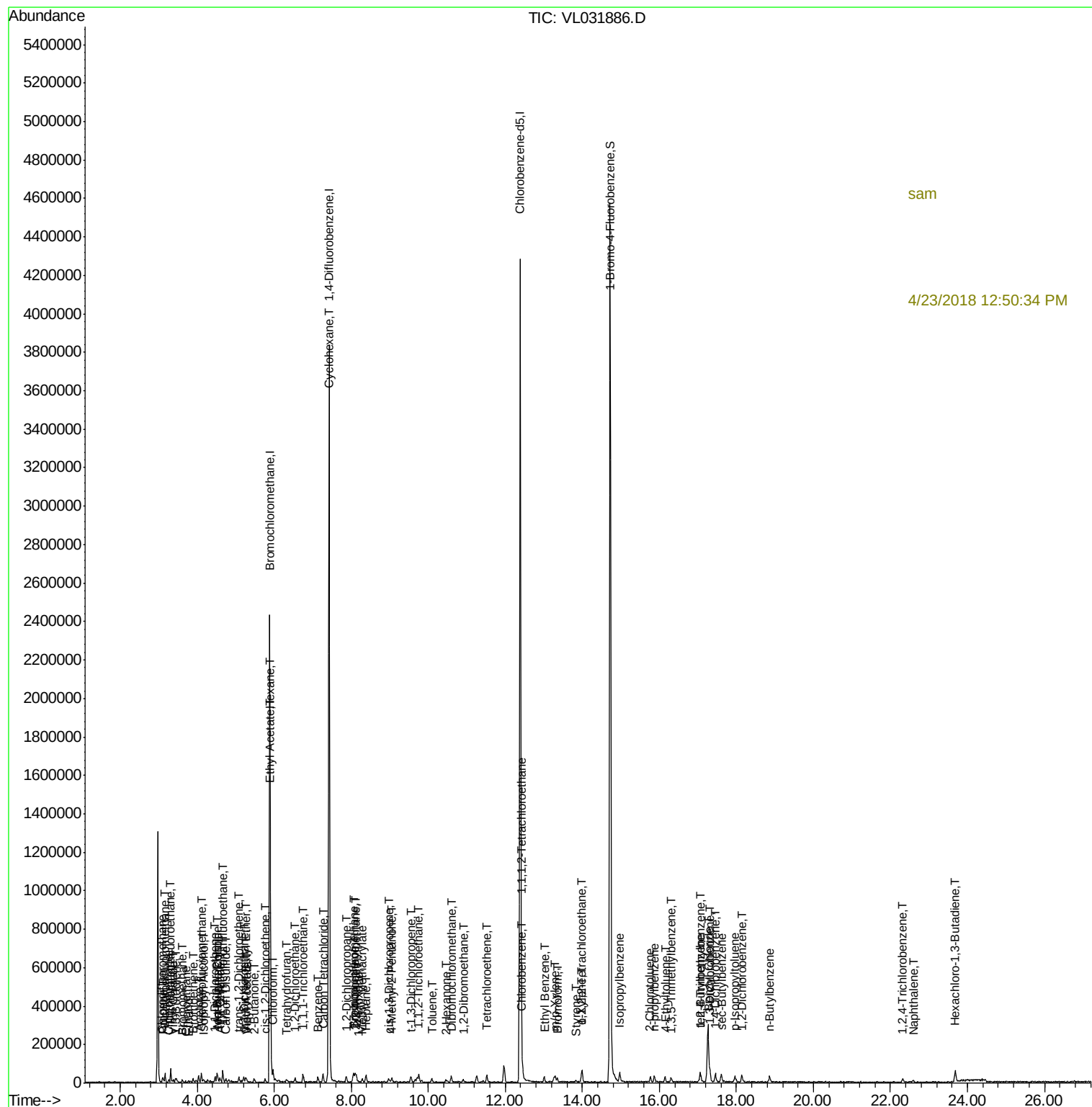
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL041918\
Data File : VL031886.D
Acq On : 19 Apr 2018 20:22
Operator : SY/AP
Sample : J2133-13 0.1 PPBV
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2018

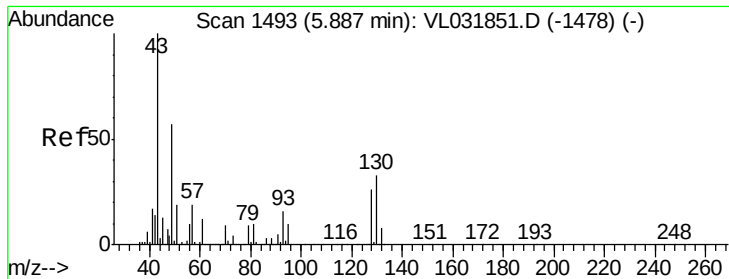
Manual Integrations
APPROVED

Quant Time: Apr 20 09:00:31 2018
Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL041218AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Apr
QLast Update : Fri Apr 13 16:50:02 2018
Response via : Initial Calibration



sam

4/23/2018 12:50:34 PM



#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.88 min Scan# 1492

Delta R.T. -0.01 min

Lab File: VL031886.D

Acq: 19 Apr 2018 20:22

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2018

Tot Ion: 49 Resp: 1108667

Ion Ratio Lower Upper

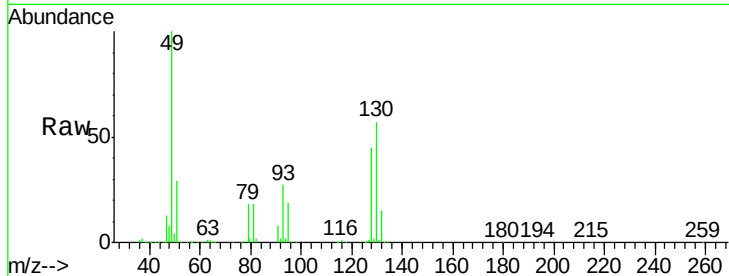
49 100

128 49.0 23.9 71.7

130 63.6 30.9 92.7

Manual Integrations

APPROVED



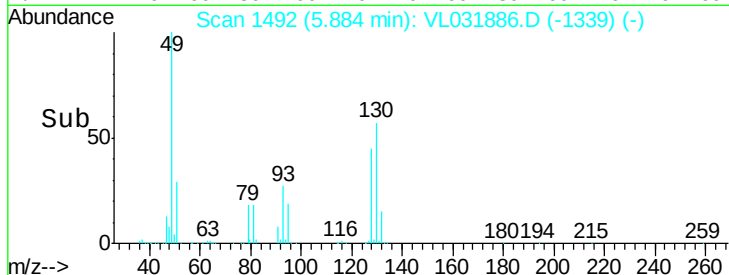
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0

5.88

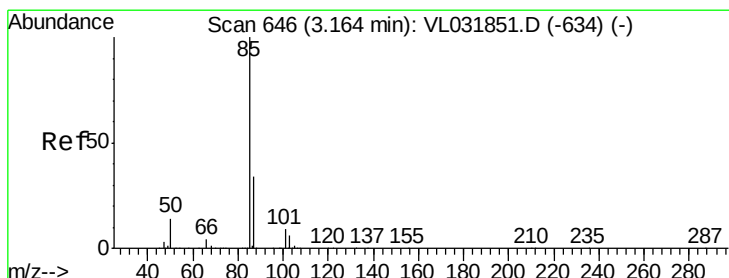
Time-->



Time-->

sam

4/23/2018 12:50:34 PM



#2

Dichlorodifluoromethane

Concen: 0.14 ppbv m

RT: 3.16 min Scan# 645

Delta R.T. -0.00 min

Lab File: VL031886.D

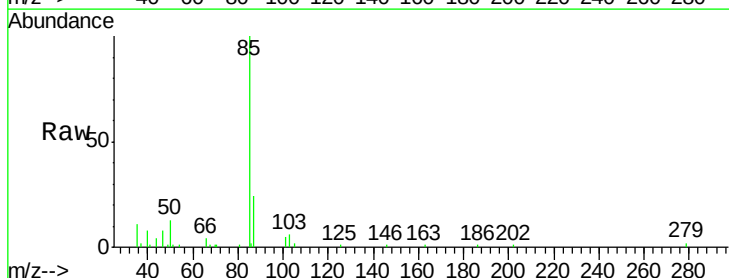
Acq: 19 Apr 2018 20:22

Tgt Ion: 85 Resp: 31266

Ion Ratio Lower Upper

85 100

87 23.6 25.9 38.9#

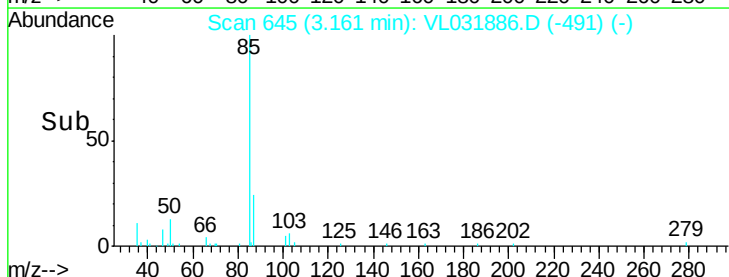


Abundance Ion 85.00 (84.70 to 85.70): VL0

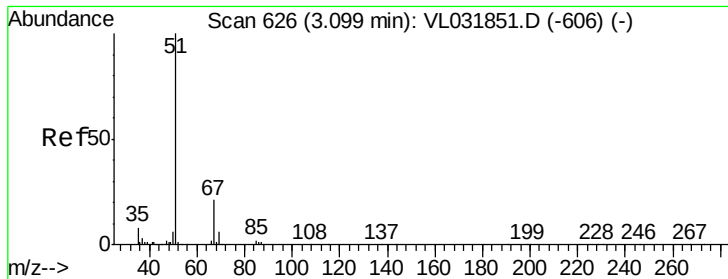
Ion 87.00 (86.70 to 87.70): VL0

3.16

Time-->



Time-->



#3

Chlorodifluoromethane

Concen: 0.14 ppbv

RT: 3.10 min Scan# 626

Delta R.T. -0.00 min

Lab File: VL031886.D

Acq: 19 Apr 2018 20:22

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2018

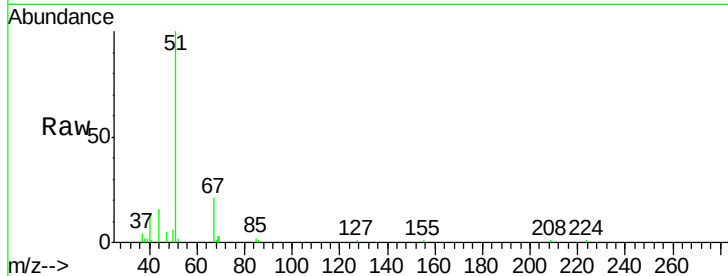
Tot Ion: 51 Resp: 17593

Ion Ratio Lower Upper

51 100

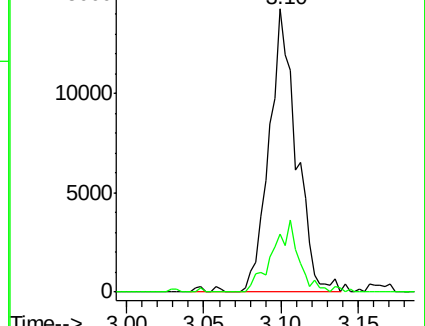
67 24.6 17.5 26.3

Manual Integrations
APPROVED



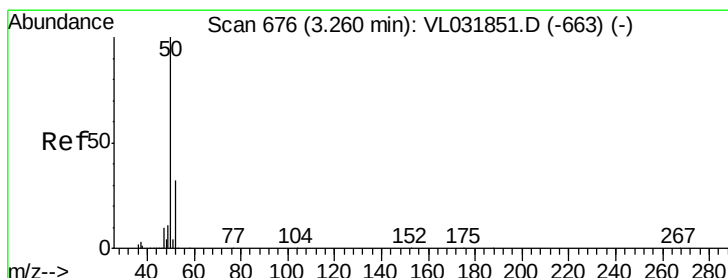
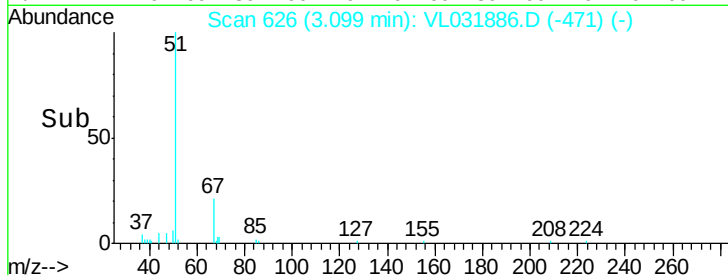
Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



sam

4/23/2018 12:50:34 PM



#4

Chloromethane

Concen: 0.14 ppbv

RT: 3.26 min Scan# 677

Delta R.T. 0.00 min

Lab File: VL031886.D

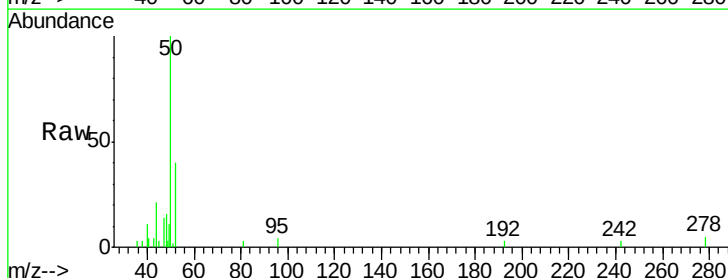
Acq: 19 Apr 2018 20:22

Tgt Ion: 50 Resp: 9071

Ion Ratio Lower Upper

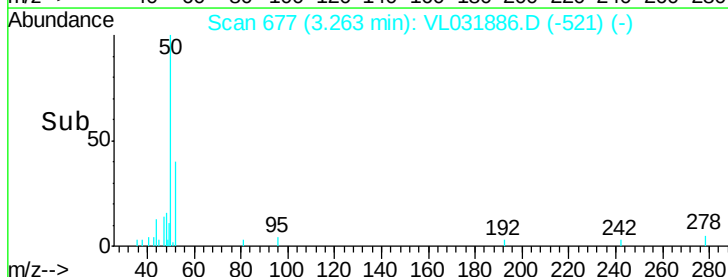
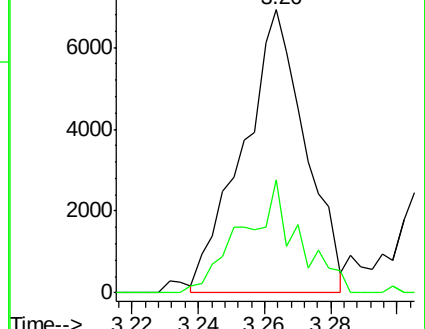
50 100

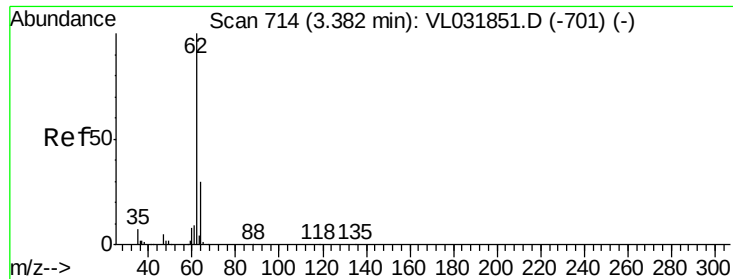
52 37.6 28.1 42.1



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.11 ppbv m

RT: 3.39 min Scan# 715

Delta R.T. 0.00 min

Lab File: VL031886.D

Acq: 19 Apr 2018 20:22

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2018

Tot Ion: 62 Resp: 7992

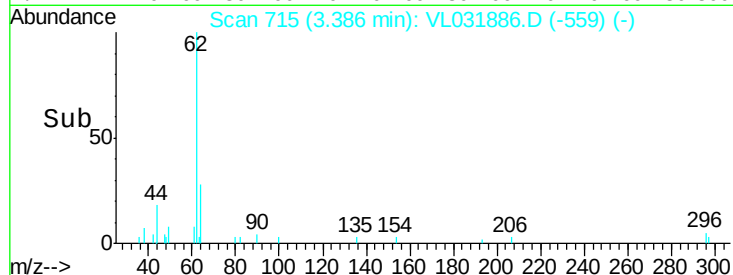
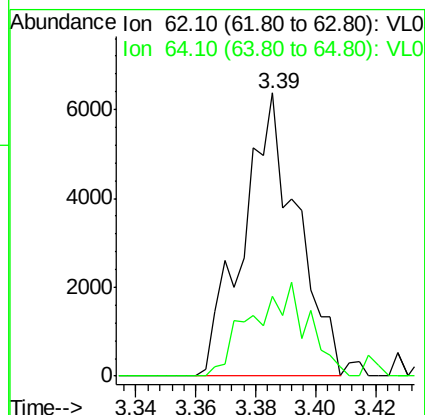
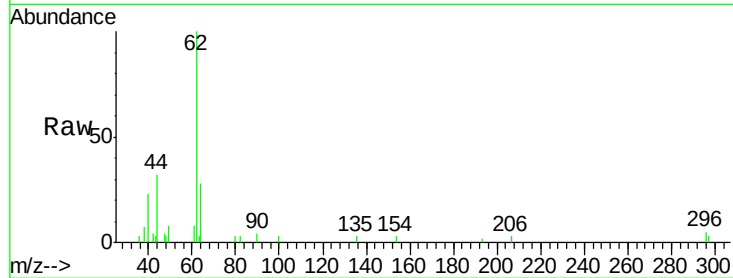
Ion Ratio Lower Upper

62 100

64 28.1 25.9 38.9

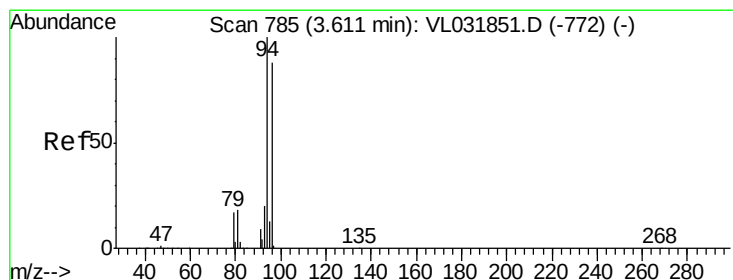
Manual Integrations

APPROVED



sam

4/23/2018 12:50:34 PM



#6

Bromomethane

Concen: 0.13 ppbv

RT: 3.62 min Scan# 787

Delta R.T. 0.01 min

Lab File: VL031886.D

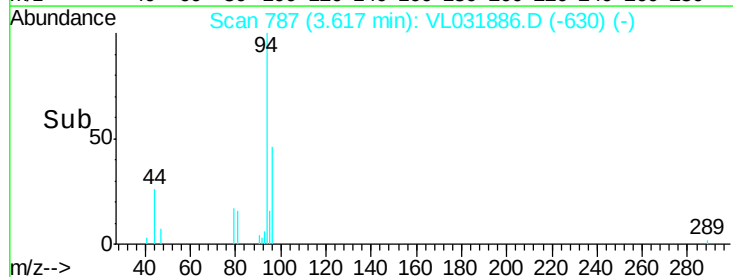
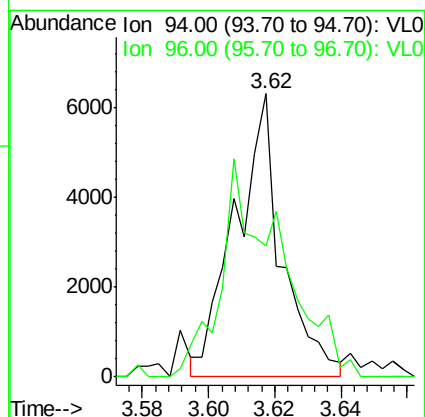
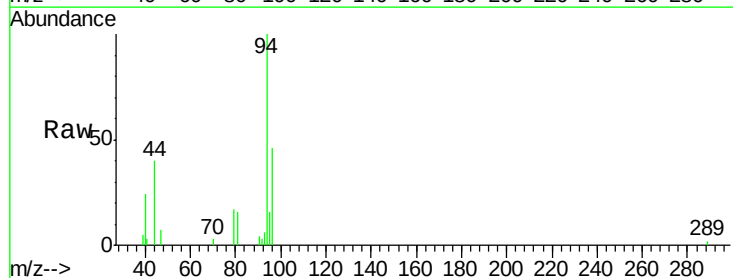
Acq: 19 Apr 2018 20:22

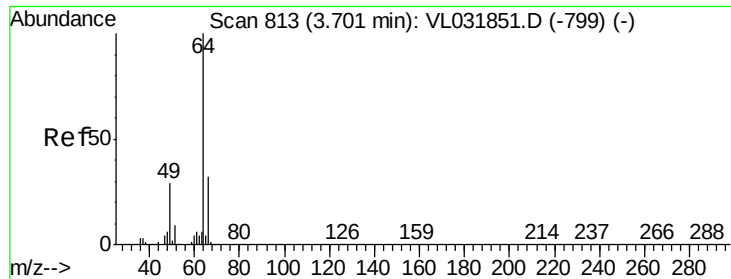
Tgt Ion: 94 Resp: 6124

Ion Ratio Lower Upper

94 100

96 45.2 73.8 110.6#





#7

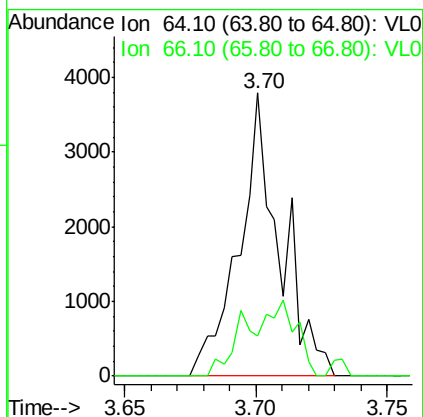
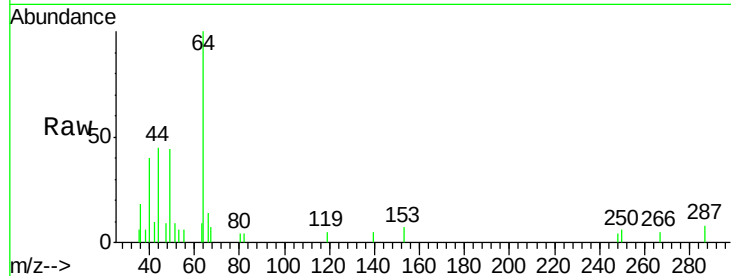
Chloroethane

Concen: 0.14 ppbv m
RT: 3.70 min Scan# 813
Delta R.T. 0.00 min
Lab File: VL031886.D
Acq: 19 Apr 2018 20:22

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2018

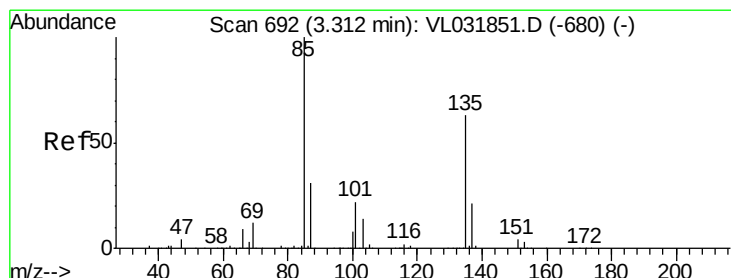
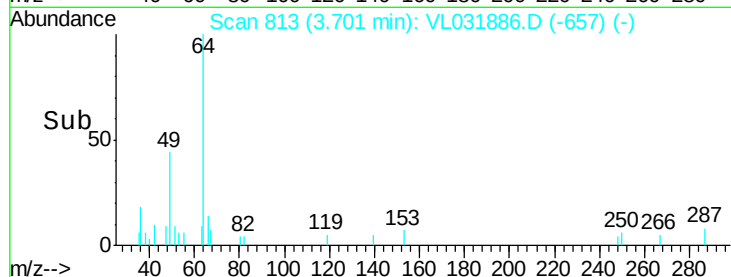
Tot Ion: 64 Resp: 4118
Ion Ratio Lower Upper
64 100
66 14.2 23.4 35.0#

Manual Integrations
APPROVED



sam

4/23/2018 12:50:34 PM

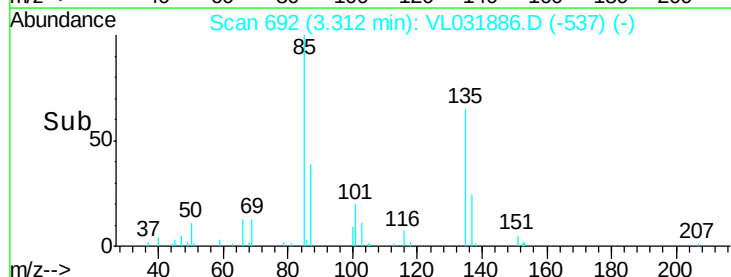
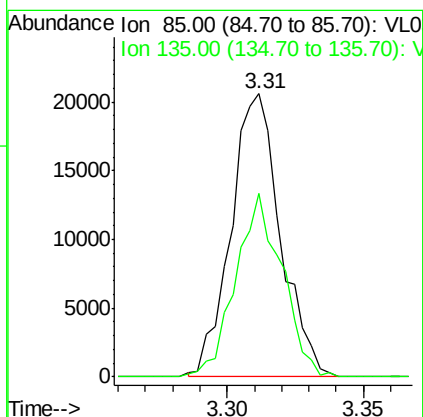
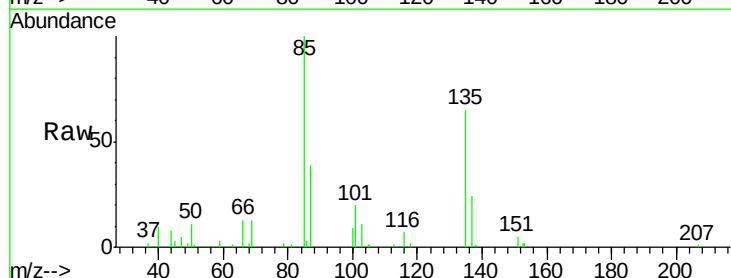


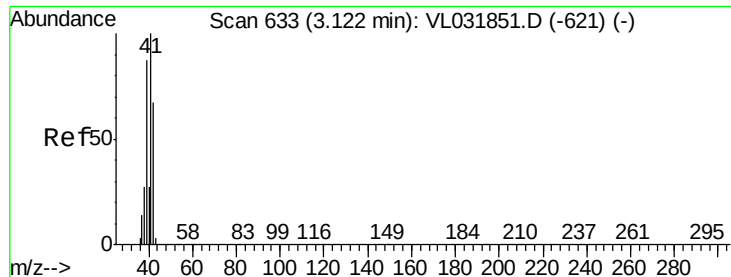
#8

Dichlorotetrafluoroethane

Concen: 0.14 ppbv
RT: 3.31 min Scan# 692
Delta R.T. -0.00 min
Lab File: VL031886.D
Acq: 19 Apr 2018 20:22

Tgt Ion: 85 Resp: 25978
Ion Ratio Lower Upper
85 100
135 60.5 52.7 79.1



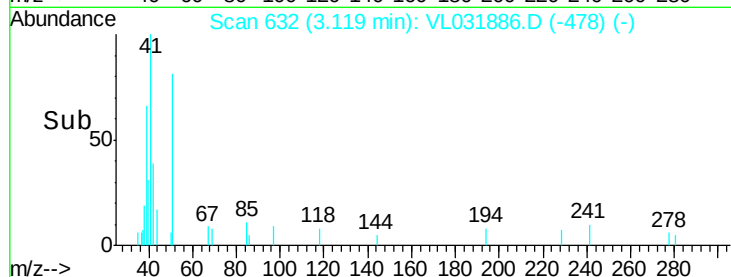
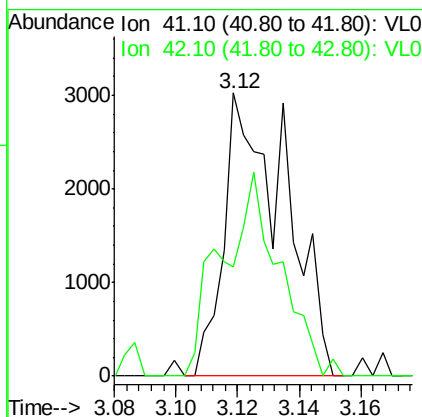
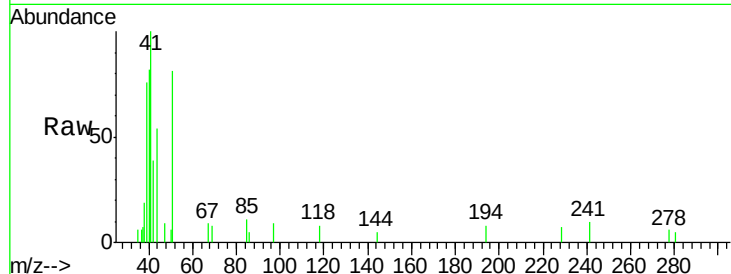


#9
 Propene
 Concen: 0.09 ppbv m
 RT: 3.12 min Scan# 632
 Delta R.T. -0.00 min
 Lab File: VL031886.D
 Acq: 19 Apr 2018 20:22

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2018

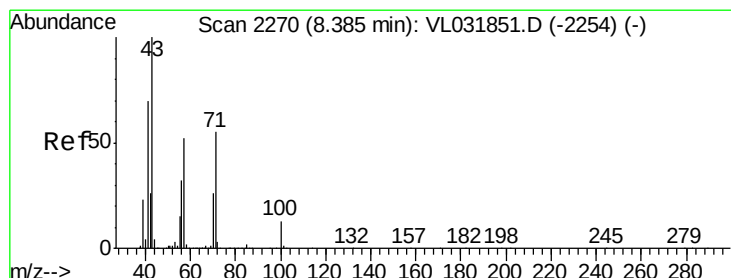
Tot Ion: 41 Resp: 4162
 Ion Ratio Lower Upper
 41 100
 42 2.3 55.0 82.4#

Manual Integrations
 APPROVED



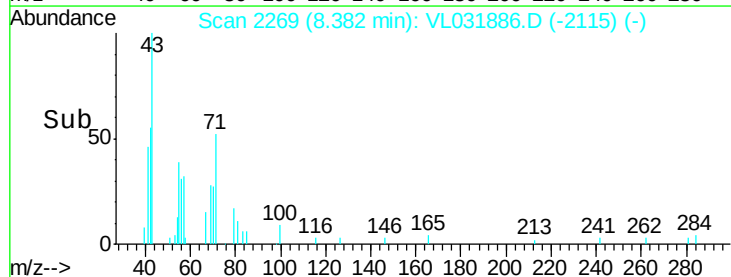
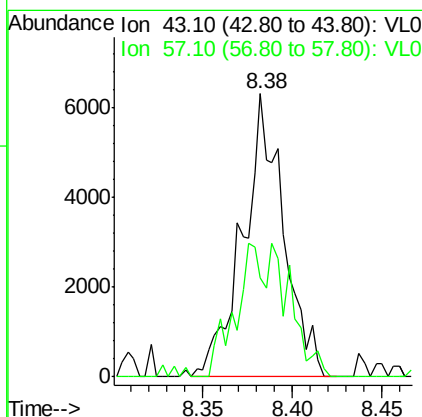
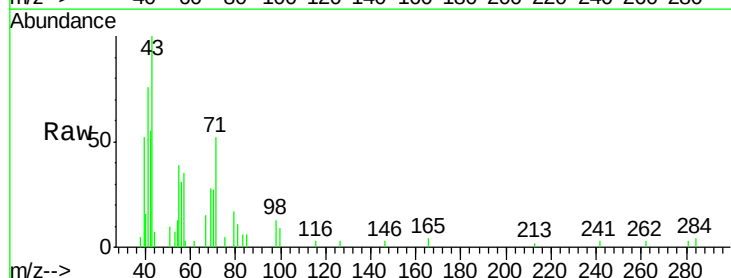
sam

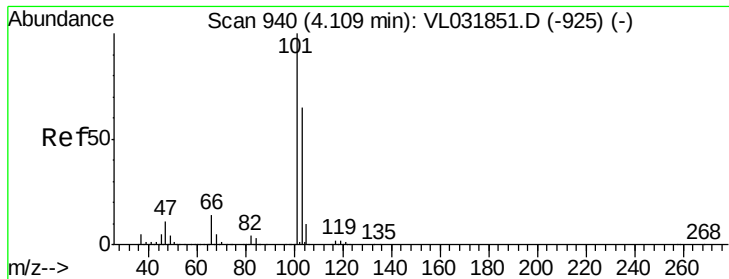
4/23/2018 12:50:34 PM



#10
 Heptane
 Concen: 0.07 ppbv m
 RT: 8.38 min Scan# 2269
 Delta R.T. -0.00 min
 Lab File: VL031886.D
 Acq: 19 Apr 2018 20:22

Tgt Ion: 43 Resp: 9969
 Ion Ratio Lower Upper
 43 100
 57 60.6 41.5 62.3



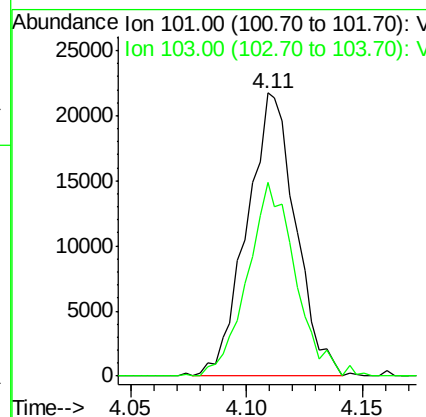
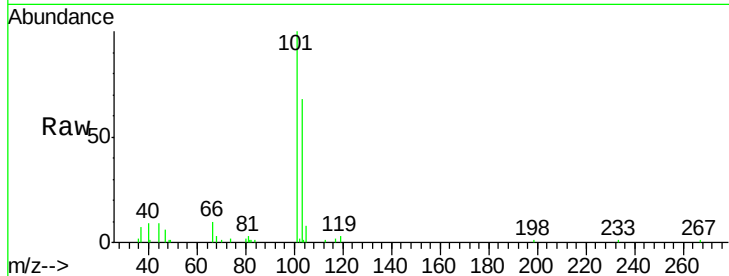


#11
 Trichlorofluoromethane
 Concen: 0.14 ppbv
 RT: 4.11 min Scan# 940
 Delta R.T. -0.00 min
 Lab File: VL031886.D
 Acq: 19 Apr 2018 20:22

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2018

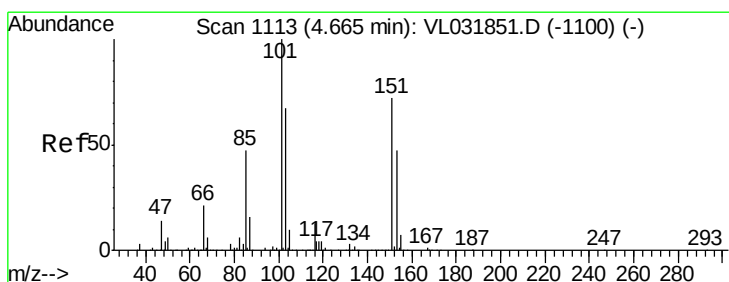
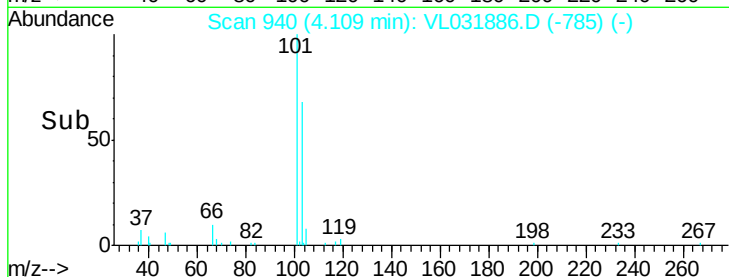
Tot Ion	Ratio	Lower	Upper
101	100		
103	68.5	51.8	77.8

Manual Integrations
 APPROVED



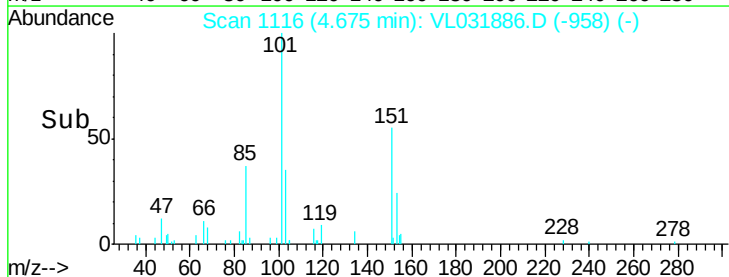
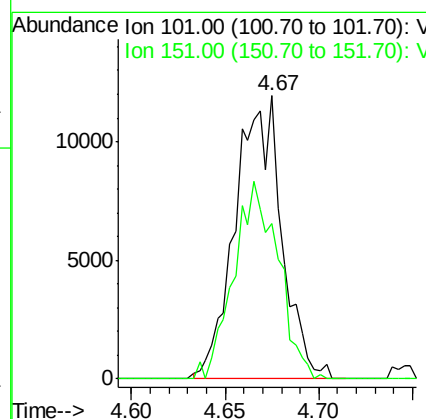
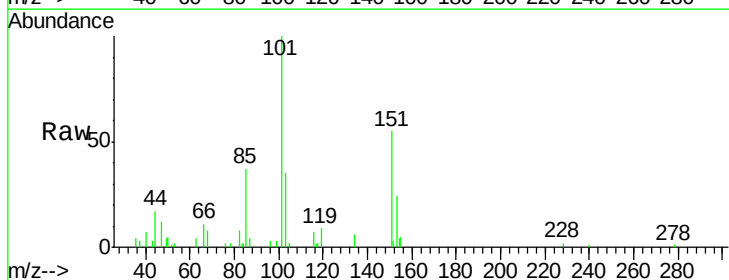
sam

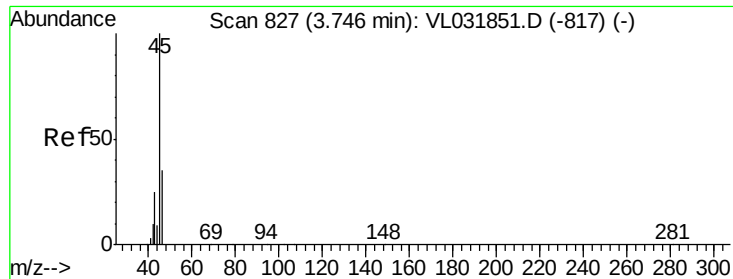
4/23/2018 12:50:34 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.14 ppbv m
 RT: 4.67 min Scan# 1116
 Delta R.T. 0.01 min
 Lab File: VL031886.D
 Acq: 19 Apr 2018 20:22

Tgt Ion	Ratio	Lower	Upper
101	100		
151	0.0	57.0	85.6#



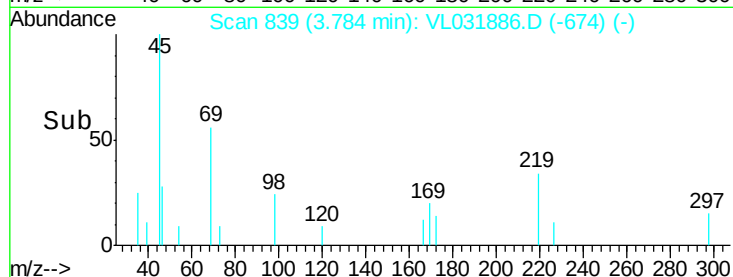
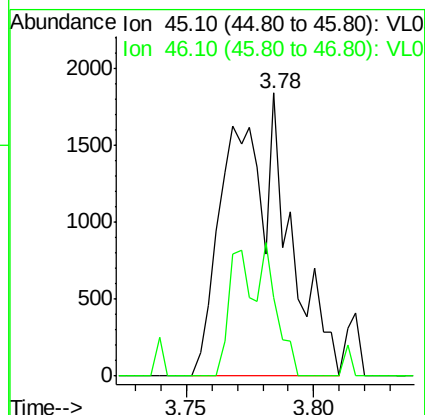
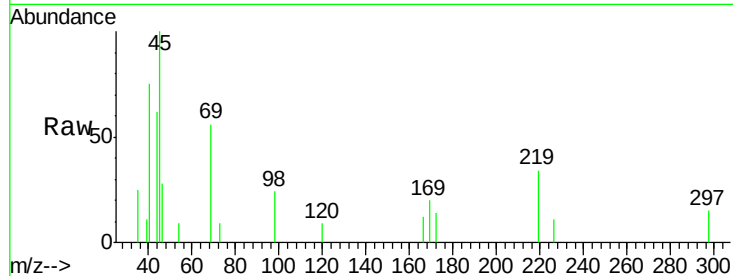


#13
Ethanol
Concen: 0.20 ppbv m
RT: 3.78 min Scan# 839
Delta R.T. 0.03 min
Lab File: VL031886.D
Acq: 19 Apr 2018 20:22

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2018

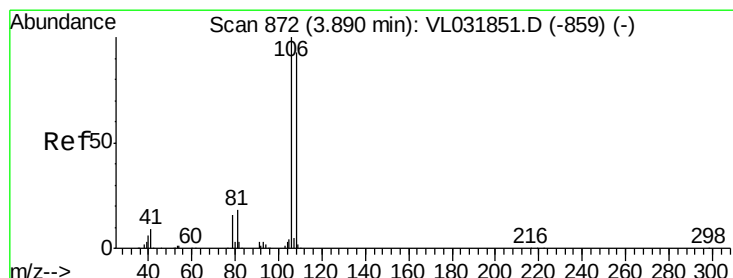
Tot Ion: 45 Resp: 3027
Ion Ratio Lower Upper
45 100
46 0.0 14.6 58.6#

Manual Integrations
APPROVED



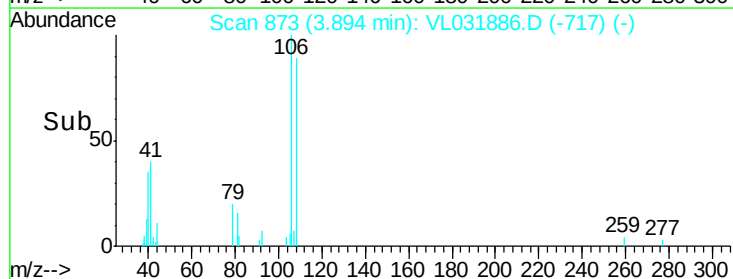
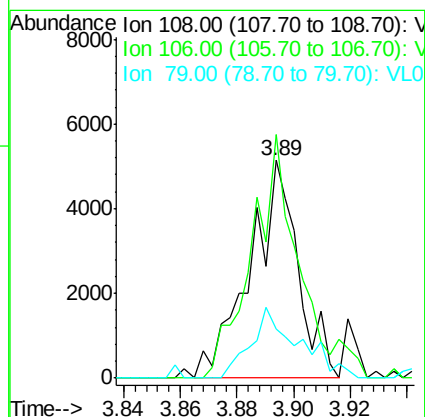
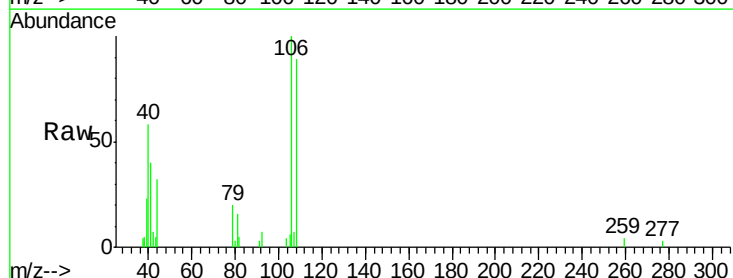
sam

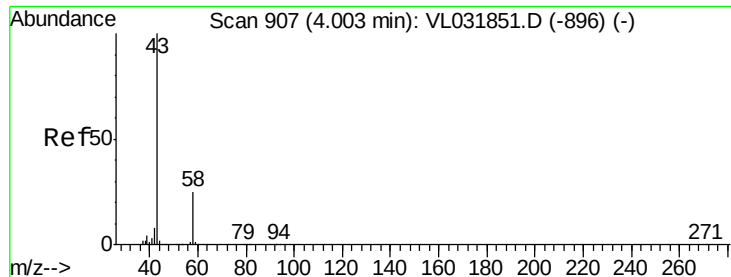
4/23/2018 12:50:34 PM



#14
Bromoethene
Concen: 0.11 ppbv m
RT: 3.89 min Scan# 873
Delta R.T. 0.00 min
Lab File: VL031886.D
Acq: 19 Apr 2018 20:22

Tgt Ion: 108 Resp: 6067
Ion Ratio Lower Upper
108 100
106 110.7 86.6 130.0
79 33.0 15.5 23.3#





#15

Acetone

Concen: 0.19 ppbv

RT: 4.04 min Scan# 917

Delta R.T. 0.03 min

Lab File: VL031886.D

Acq: 19 Apr 2018 20:22

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2018

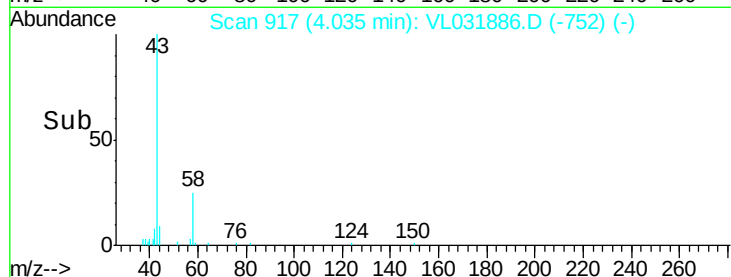
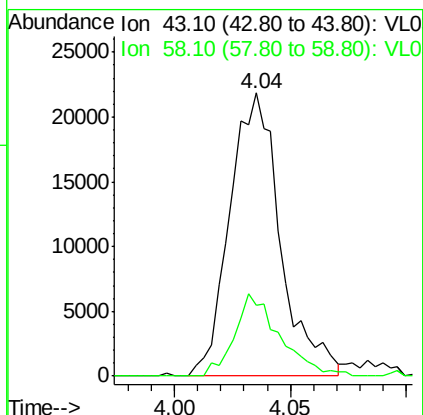
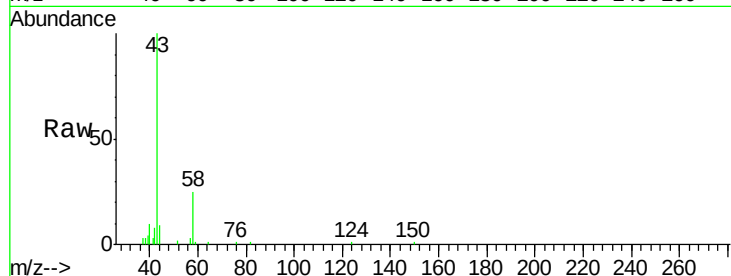
Tot Ion: 43 Resp: 33255

Ion Ratio Lower Upper

43 100

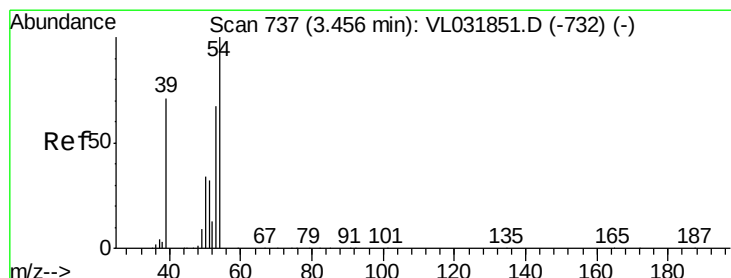
58 25.8 20.9 31.3

Manual Integrations
APPROVED



sam

4/23/2018 12:50:34 PM



#16

1,3-Butadiene

Concen: 0.10 ppbv m

RT: 3.45 min Scan# 736

Delta R.T. -0.00 min

Lab File: VL031886.D

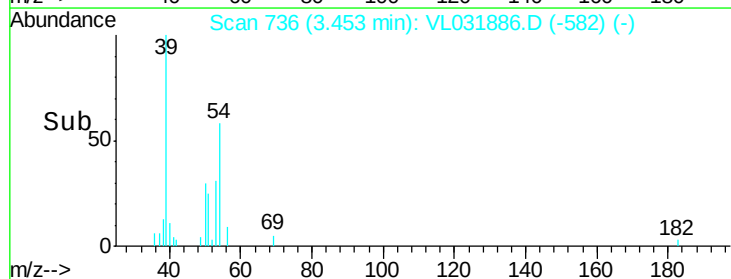
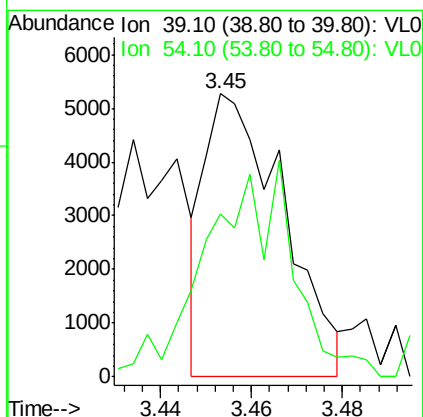
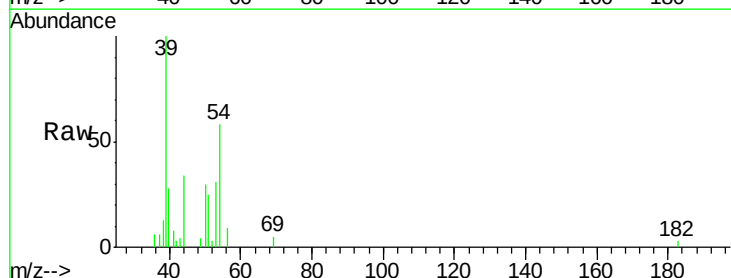
Acq: 19 Apr 2018 20:22

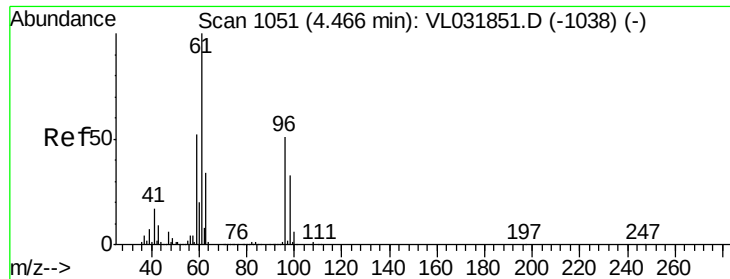
Tgt Ion: 39 Resp: 6311

Ion Ratio Lower Upper

39 100

54 0.0 63.3 94.9#



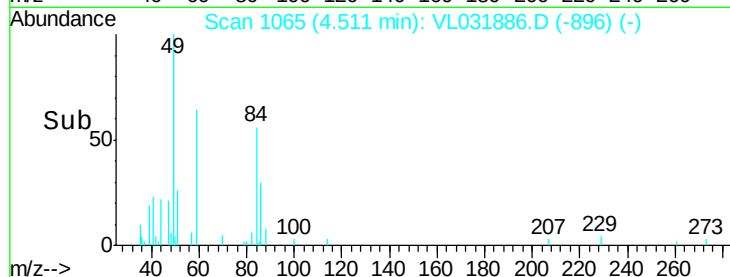
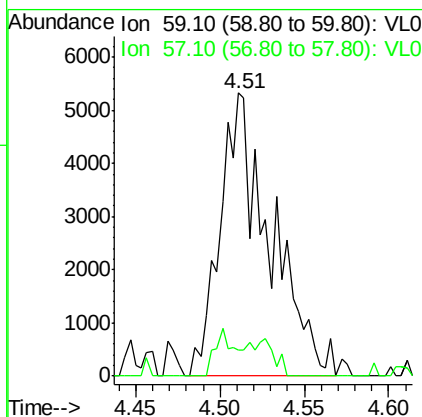
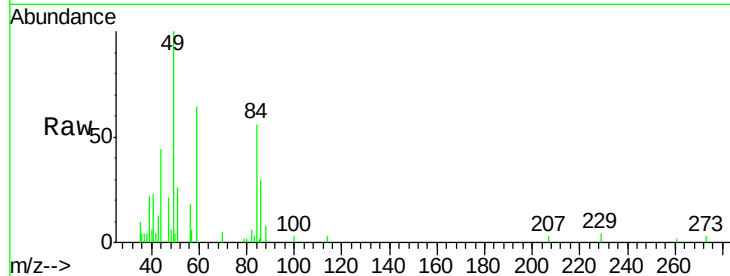


#17
 tert-Butyl alcohol
 Concen: 0.16 ppbv m
 RT: 4.51 min Scan# 1065
 Delta R.T. 0.04 min
 Lab File: VL031886.D
 Acq: 19 Apr 2018 20:22

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2018

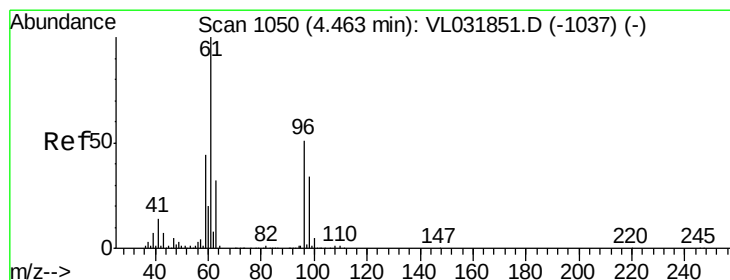
Tot Ion: 59 Resp: 10992
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#

Manual Integrations
 APPROVED



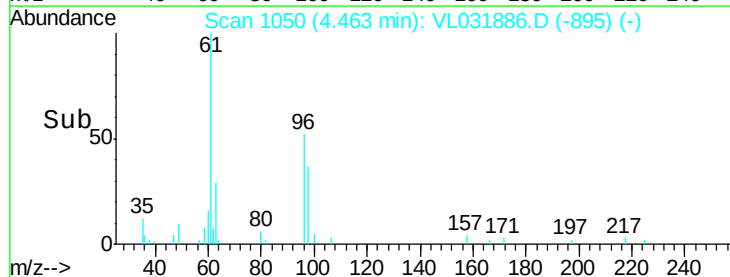
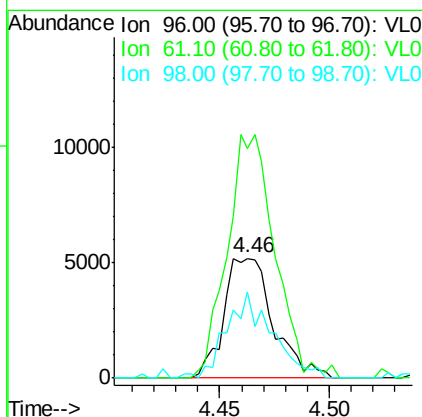
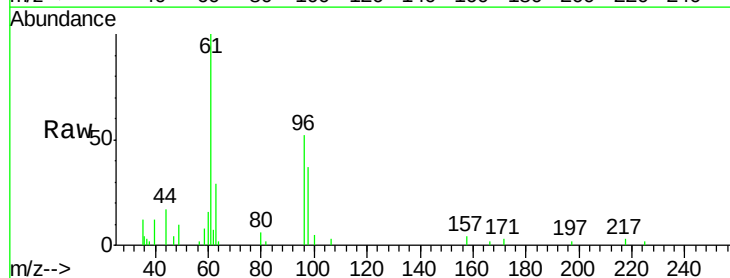
sam

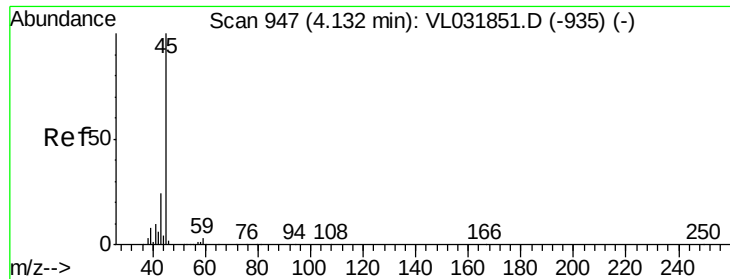
4/23/2018 12:50:34 PM



#18
 1,1-Dichloroethene
 Concen: 0.13 ppbv m
 RT: 4.46 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VL031886.D
 Acq: 19 Apr 2018 20:22

Tgt Ion: 96 Resp: 8153
 Ion Ratio Lower Upper
 96 100
 61 191.3 161.0 241.6
 98 71.6 52.7 79.1





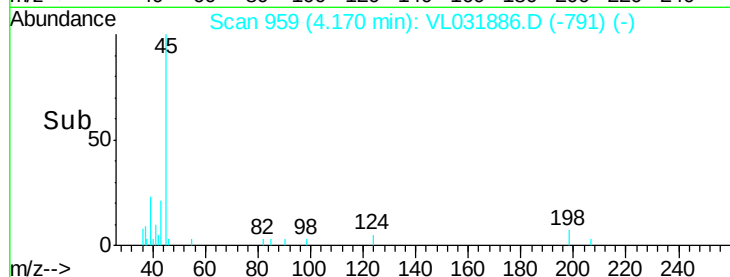
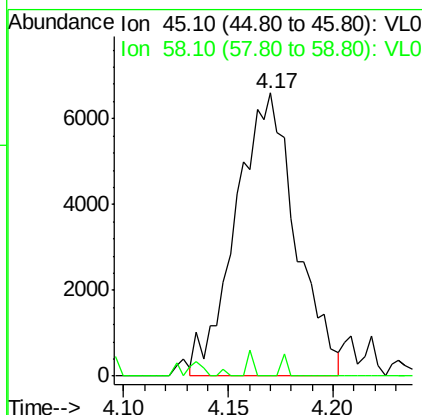
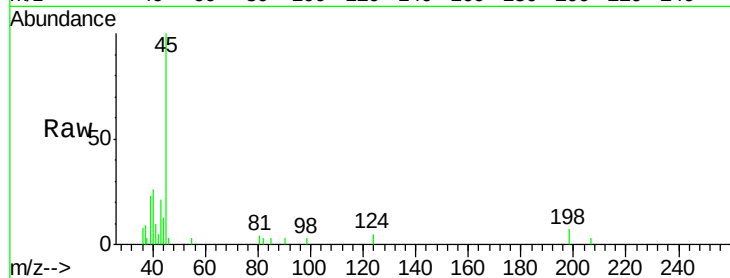
#19

Isopropyl Alcohol
 Concen: 0.14 ppbv m
 RT: 4.17 min Scan# 959
 Delta R.T. 0.04 min
 Lab File: VL031886.D
 Acq: 19 Apr 2018 20:22

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2018

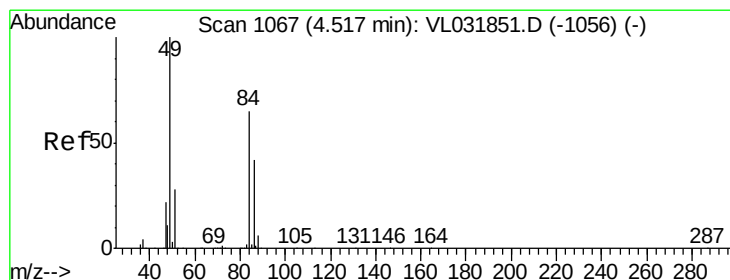
Tot Ion	Ratio	Lower	Upper
45	100		
58	0.0	1.7	2.5#

Manual Integrations
 APPROVED



sam

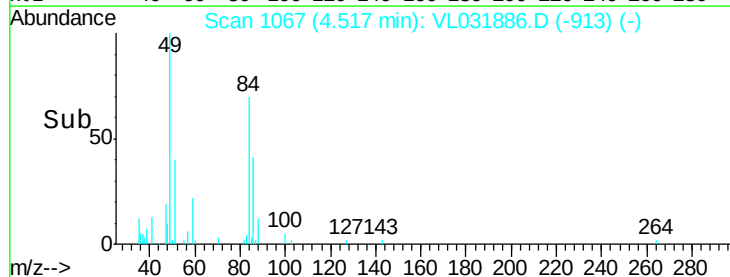
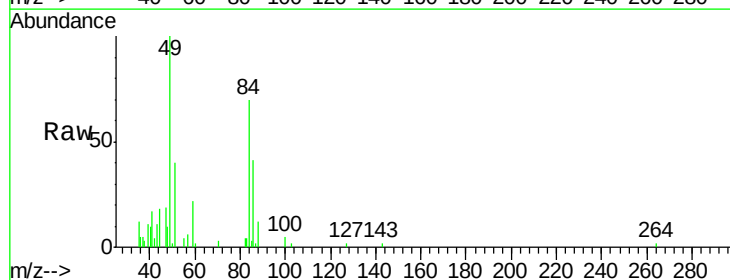
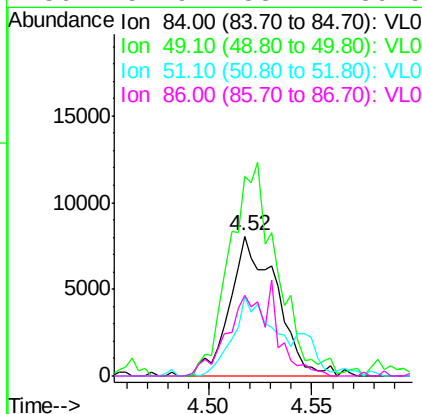
4/23/2018 12:50:34 PM

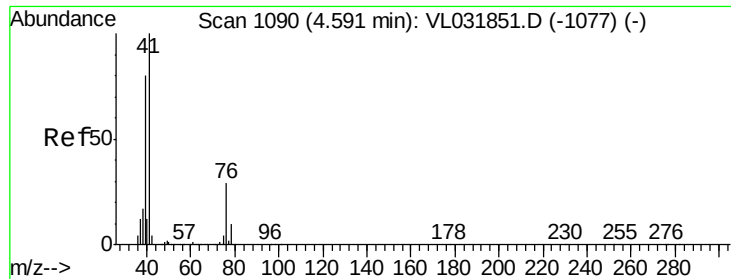


#20

Methylene Chloride
 Concen: 0.20 ppbv m
 RT: 4.52 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VL031886.D
 Acq: 19 Apr 2018 20:22

Tgt Ion	Ratio	Lower	Upper
84	100		
49	142.9	125.6	188.4
51	56.6	36.4	54.6#
86	57.9	53.7	80.5



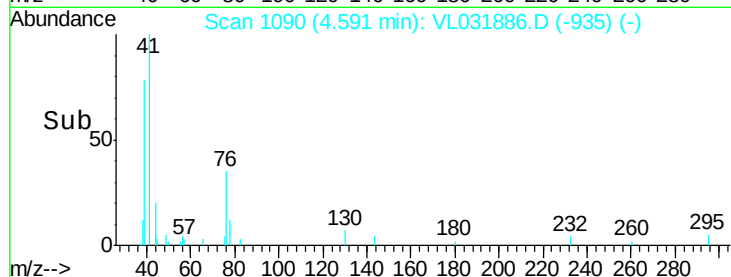
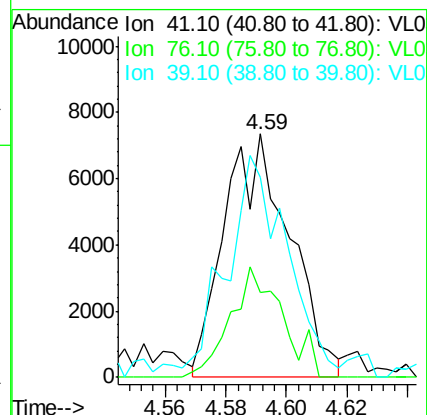
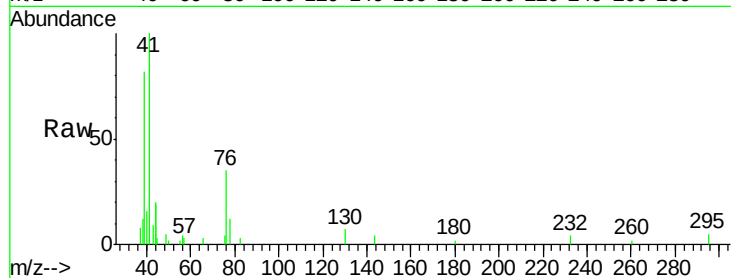


#21
Allvl Chloride
Concen: 0.11 ppbv m
RT: 4.59 min Scan# 1090
Delta R.T. -0.00 min
Lab File: VL031886.D
Acq: 19 Apr 2018 20:22

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2018

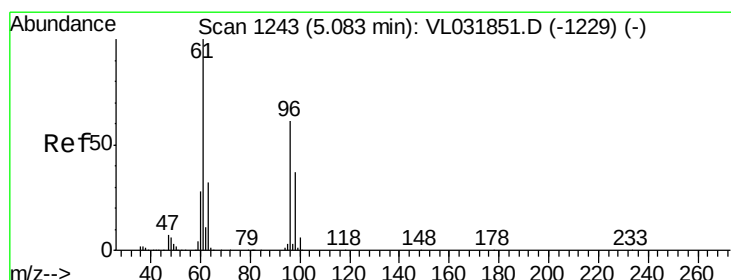
Tot Ion	Ratio	Lower	Upper
41	100		
76	35.7	23.4	35.2#
39	92.5	67.6	101.4

Manual Integrations
APPROVED



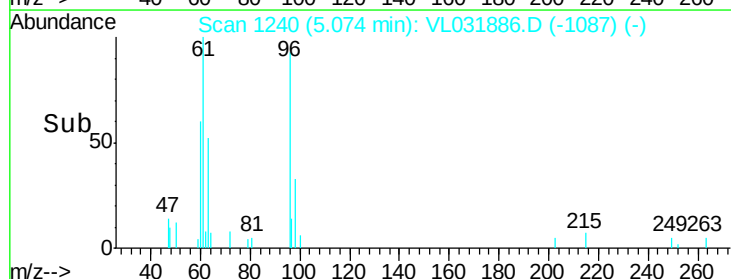
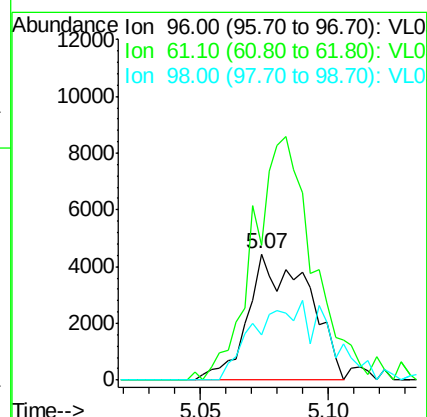
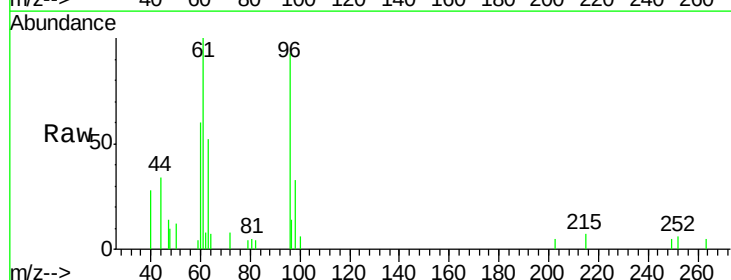
sam

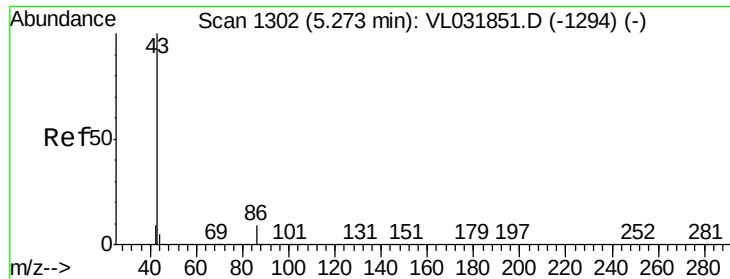
4/23/2018 12:50:34 PM



#22
trans-1,2-Dichloroethene
Concen: 0.11 ppbv m
RT: 5.07 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VL031886.D
Acq: 19 Apr 2018 20:22

Tgt Ion	Ratio	Lower	Upper
96	100		
61	107.0	131.1	196.7#
98	35.7	47.6	71.4#



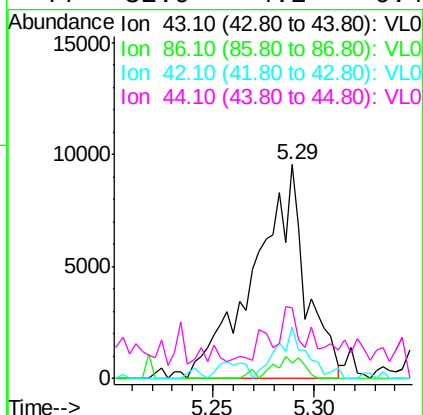
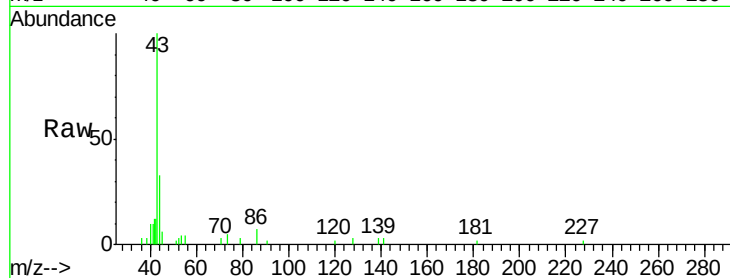


#23
 Vinyl Acetate
 Concen: 0.10 ppbv m
 RT: 5.29 min Scan# 1307
 Delta R.T. 0.01 min
 Lab File: VL031886.D
 Acq: 19 Apr 2018 20:22

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2018

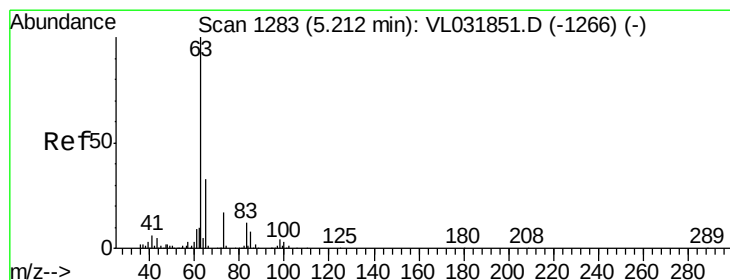
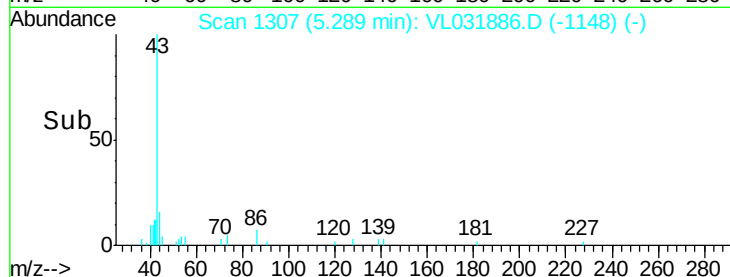
Tot Ion	43	Resp	16671
Ion	Ratio	Lower	Upper
43	100		
86	7.2	5.8	8.8
42	12.3	8.5	12.7
44	32.9	4.2	6.4#

Manual Integrations
 APPROVED



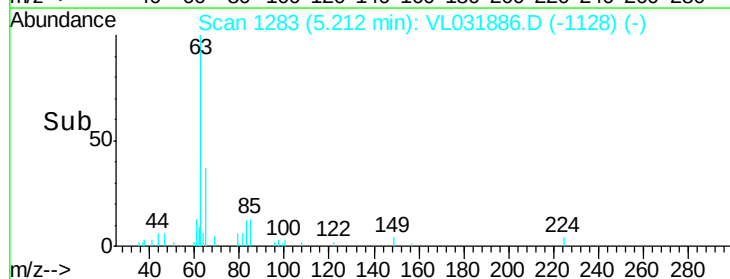
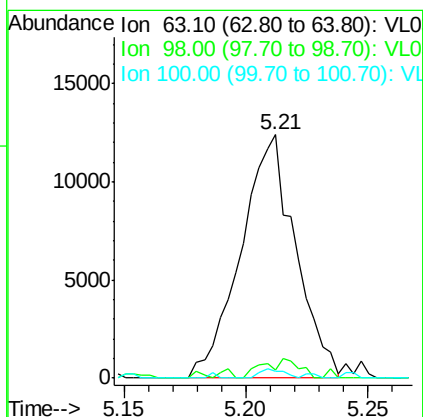
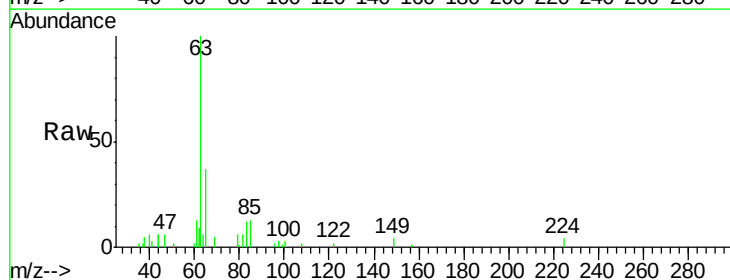
sam

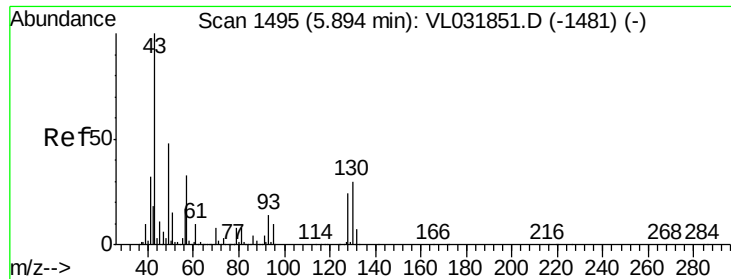
4/23/2018 12:50:34 PM



#24
 1,1-Dichloroethane
 Concen: 0.11 ppbv
 RT: 5.21 min Scan# 1283
 Delta R.T. -0.00 min
 Lab File: VL031886.D
 Acq: 19 Apr 2018 20:22

Tgt Ion	63	Resp	19229
Ion	Ratio	Lower	Upper
63	100		
98	3.2	2.4	7.2
100	2.9	1.5	4.4



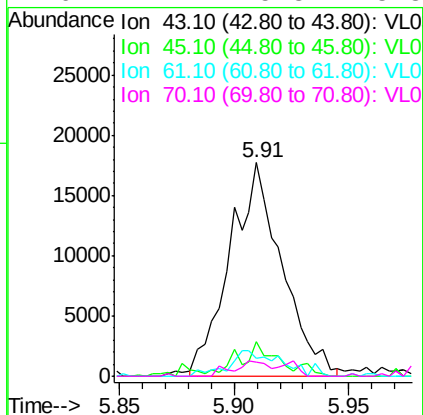
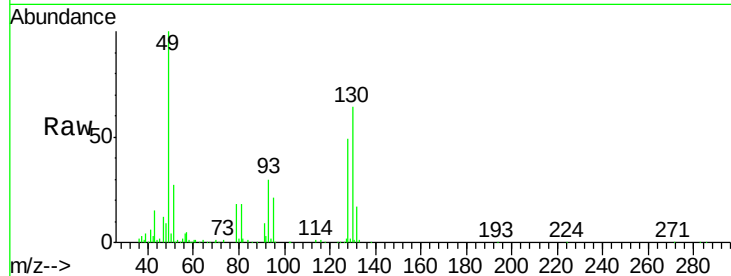


#25
Ethyl Acetate
Concen: 0.10 ppbv m
RT: 5.91 min Scan# 1500
Delta R.T. 0.01 min
Lab File: VL031886.D
Acq: 19 Apr 2018 20:22

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2018

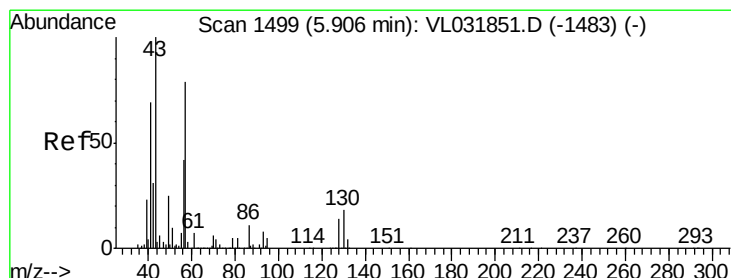
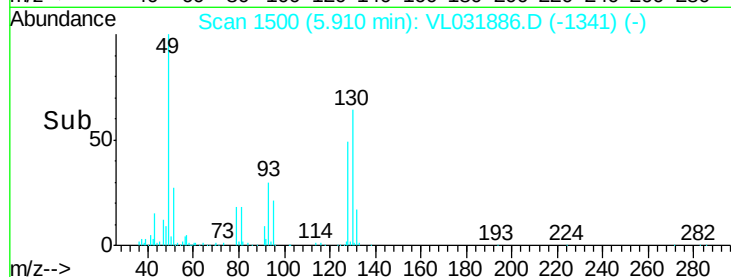
Tot Ion	43	Resp	27937
Ion	Ratio	Lower	Upper
43	100		
45	14.6	7.8	11.8#
61	12.4	7.2	10.8#
70	7.1	5.8	8.8

Manual Integrations
APPROVED



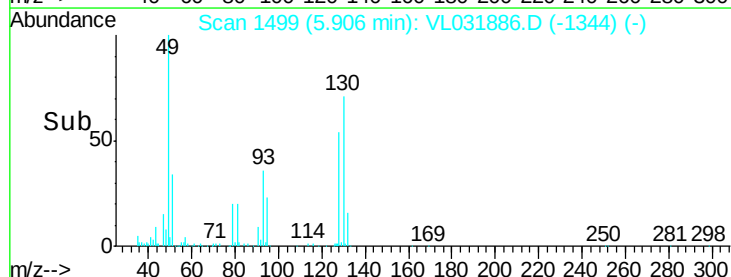
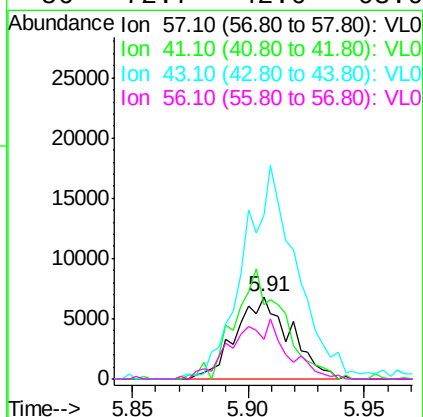
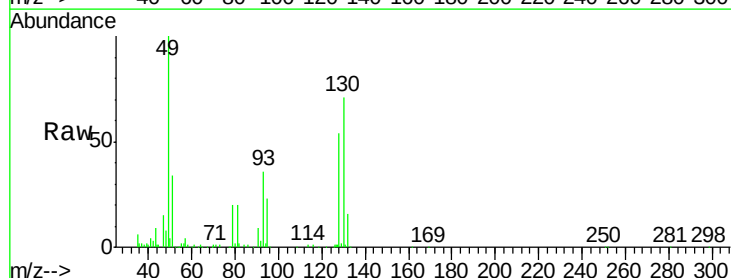
sam

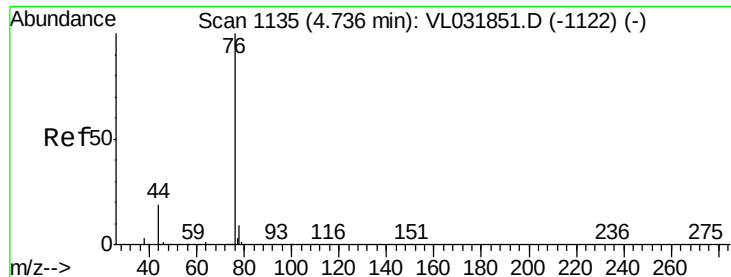
4/23/2018 12:50:34 PM



#26
Hexane
Concen: 0.09 ppbv
RT: 5.91 min Scan# 1499
Delta R.T. -0.00 min
Lab File: VL031886.D
Acq: 19 Apr 2018 20:22

Tgt Ion	57	Resp	11105
Ion	Ratio	Lower	Upper
57	100		
41	120.3	72.0	108.0#
43	258.1	169.8	254.8#
56	72.7	42.0	63.0#





#27

Carbon Disulfide

Concen: 0.10 ppbv m

RT: 4.73 min Scan# 1134

Delta R.T. -0.00 min

Lab File: VL031886.D

Acq: 19 Apr 2018 20:22

Instrument :

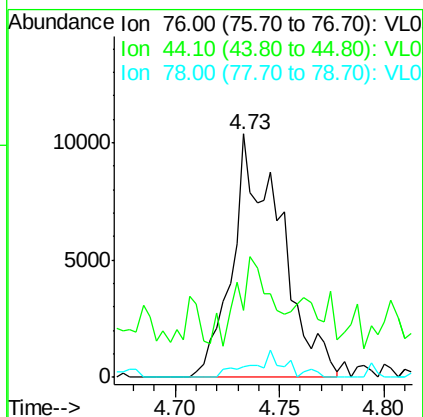
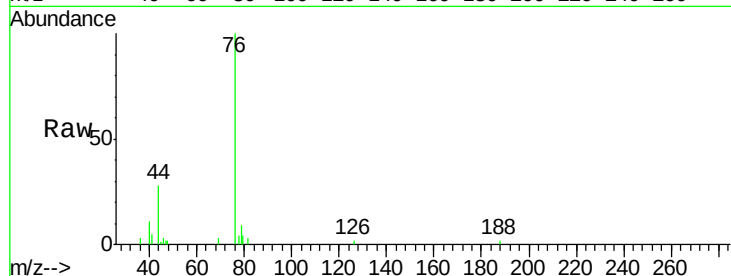
MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2018

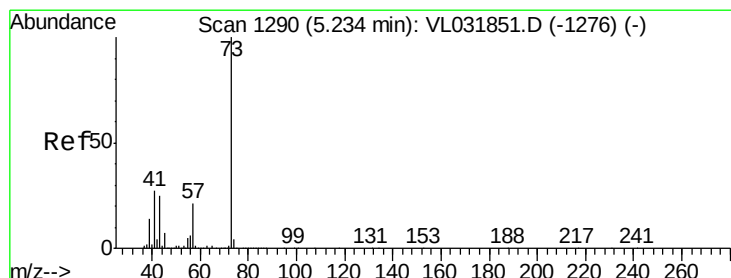
Tot Ion:	76	Resp:	16755
Ion	Ratio	Lower	Upper
76	100		
44	50.8	15.6	23.4#
78	0.0	7.6	11.4#

Manual Integrations
APPROVED



sam

4/23/2018 12:50:34 PM



#28

Methyl tert-Butyl Ether

Concen: 0.09 ppbv m

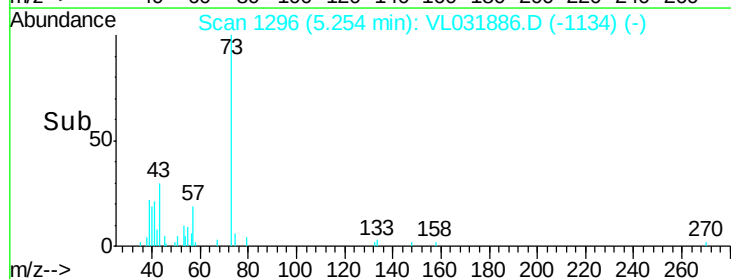
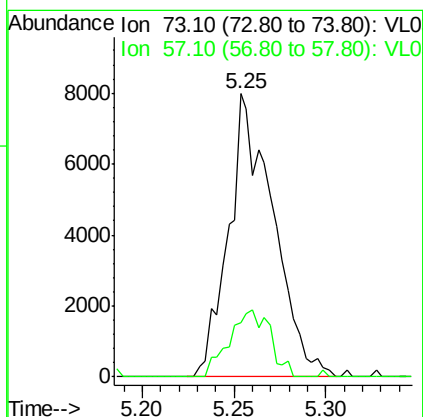
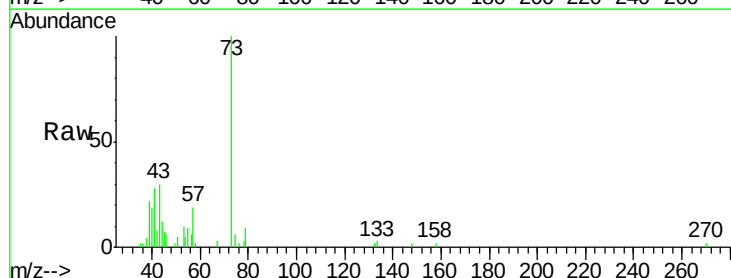
RT: 5.25 min Scan# 1296

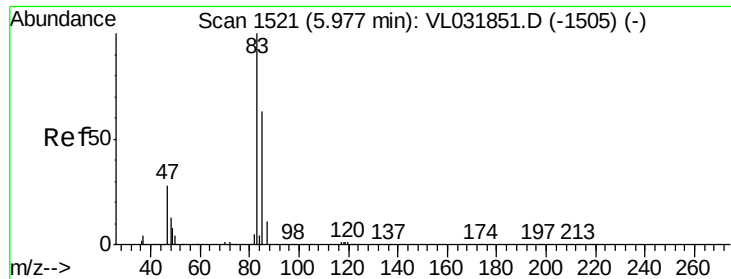
Delta R.T. 0.02 min

Lab File: VL031886.D

Acq: 19 Apr 2018 20:22

Tgt Ion:	73	Resp:	13466
Ion	Ratio	Lower	Upper
73	100		
57	0.0	17.6	26.4#



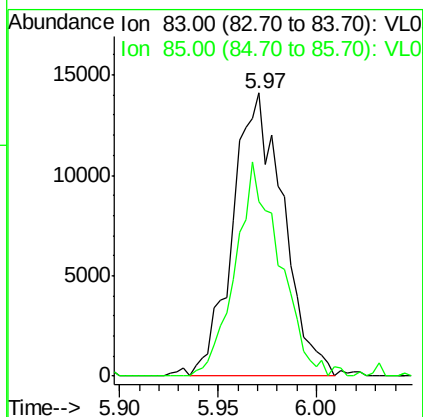
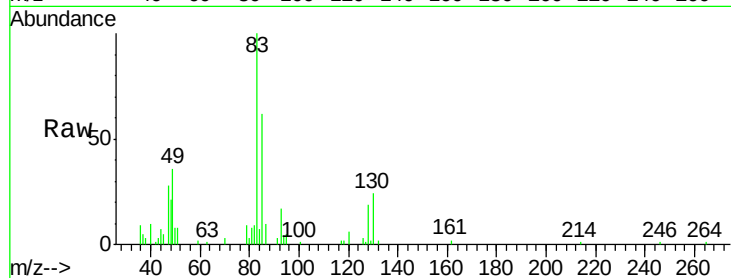


#29
Chloroform
Concen: 0.12 ppbv m
RT: 5.97 min Scan# 1519
Delta R.T. -0.01 min
Lab File: VL031886.D
Acq: 19 Apr 2018 20:22

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2018

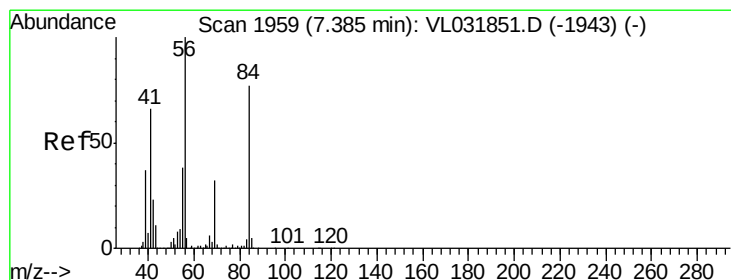
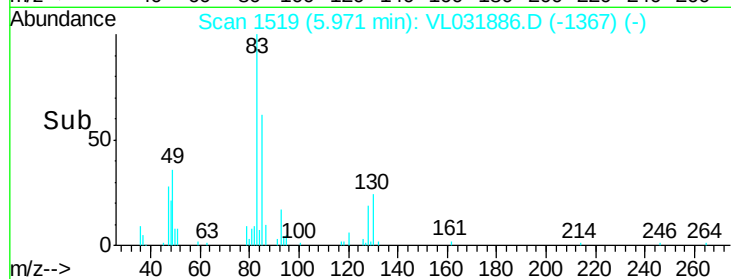
Tot Ion: 83 Resp: 24940
Ion Ratio Lower Upper
83 100
85 61.6 51.4 77.0

Manual Integrations
APPROVED



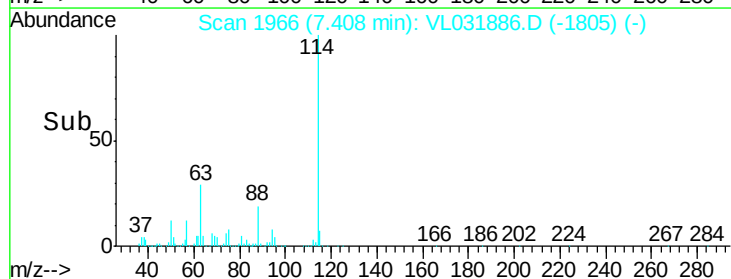
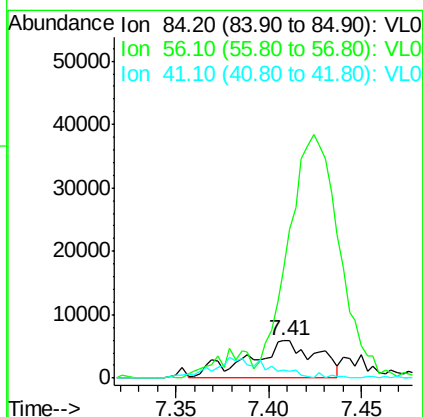
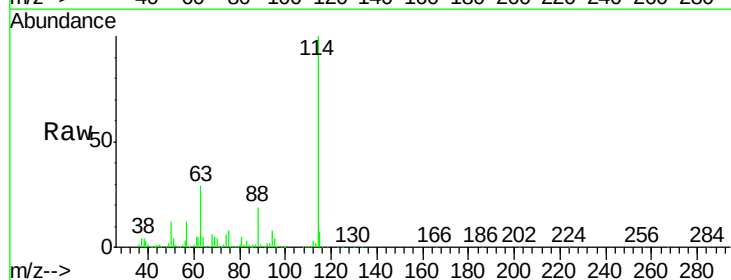
sam

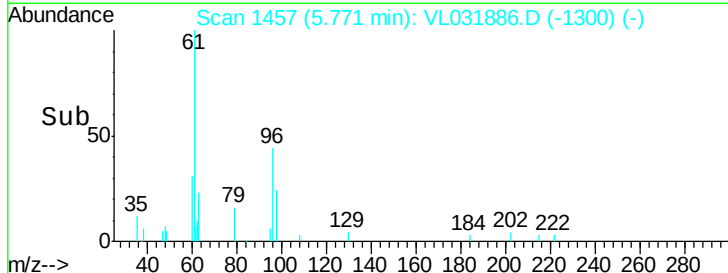
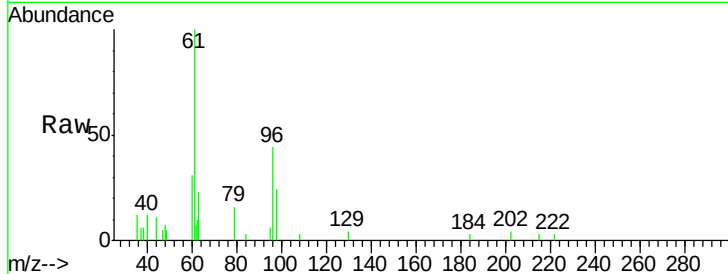
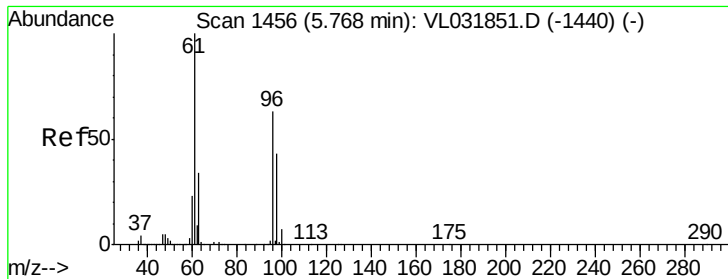
4/23/2018 12:50:34 PM



#30
Cyclohexane
Concen: 0.17 ppbv m
RT: 7.41 min Scan# 1966
Delta R.T. 0.02 min
Lab File: VL031886.D
Acq: 19 Apr 2018 20:22

Tgt Ion: 84 Resp: 15221
Ion Ratio Lower Upper
84 100
56 0.0 107.7 161.5#
41 46.8 68.2 102.2#



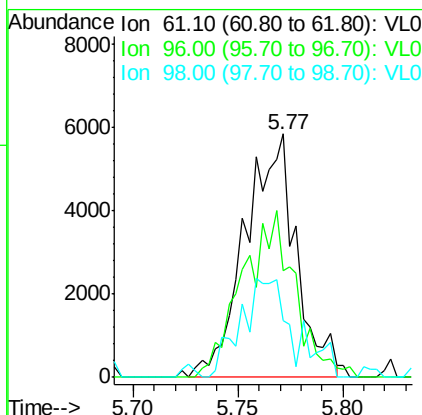


#31
 cis-1,2-Dichloroethene
 Concen: 0.09 ppbv m
 RT: 5.77 min Scan# 1457
 Delta R.T. 0.01 min
 Lab File: VL031886.D
 Acq: 19 Apr 2018 20:22

Tot Ion	Ratio	Lower	Upper
61	100		
96	43.6	47.6	71.4#
98	23.5	30.3	45.5#

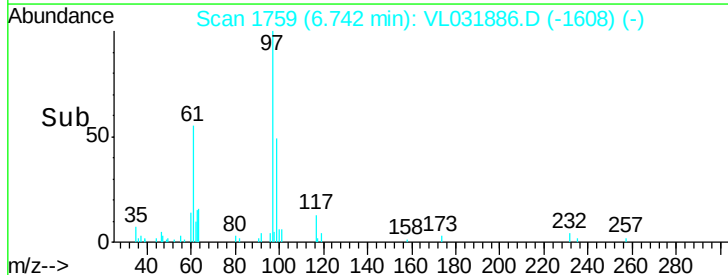
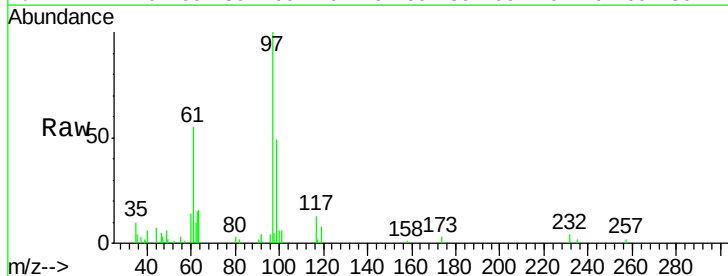
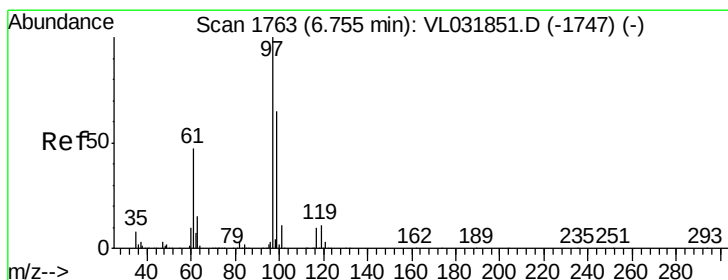
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2018

Manual Integrations
 APPROVED



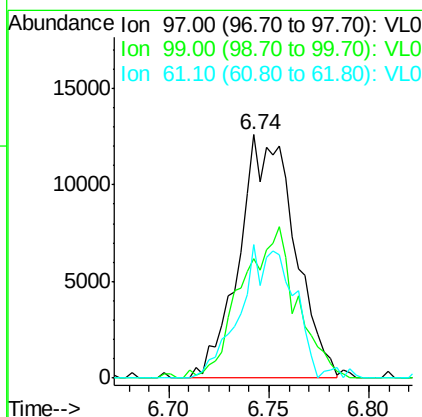
sam

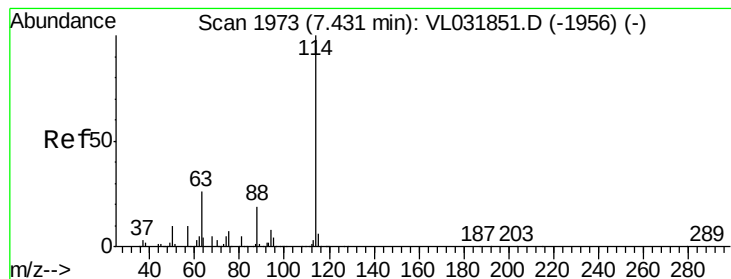
4/23/2018 12:50:34 PM



#32
 1,1,1-Trichloroethane
 Concen: 0.12 ppbv m
 RT: 6.74 min Scan# 1759
 Delta R.T. -0.01 min
 Lab File: VL031886.D
 Acq: 19 Apr 2018 20:22

Tgt Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.5	77.3#
61	53.3	40.0	60.0





#33

1,4-Difluorobenzene

Concen: 10.00 ppbv

RT: 7.42 min Scan# 1971

Delta R.T. -0.01 min

Lab File: VL031886.D

Acq: 19 Apr 2018 20:22

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2018

Tot Ion:114 Resp: 2598398

Ion Ratio Lower Upper

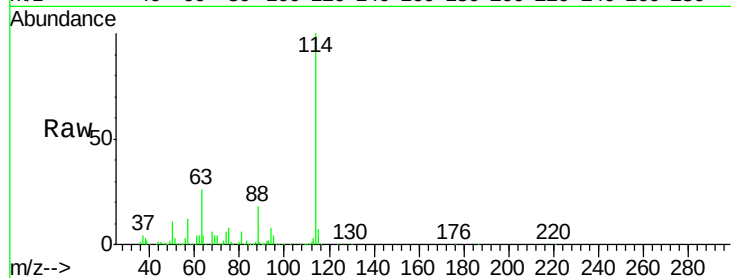
114 100

63 27.0 21.8 32.6

88 18.4 14.6 22.0

Manual Integrations

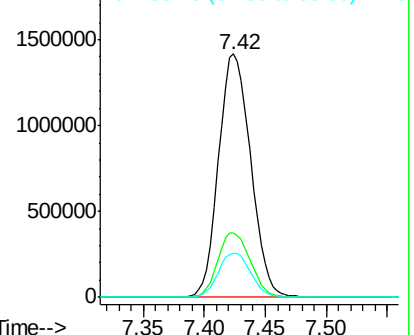
APPROVED



Abundance Ion 114.10 (113.80 to 114.80): V

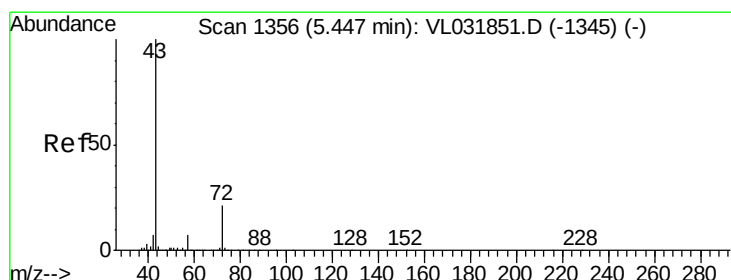
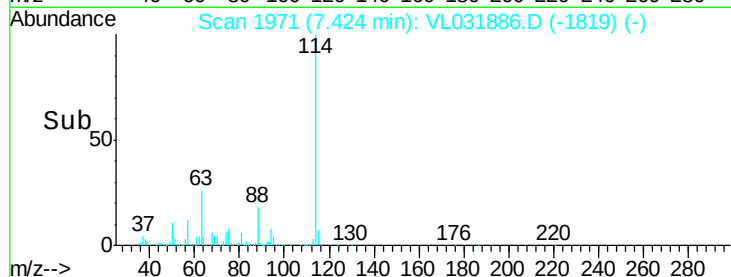
Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



sam

4/23/2018 12:50:34 PM



#34

2-Butanone

Concen: 0.09 ppbv m

RT: 5.48 min Scan# 1365

Delta R.T. 0.03 min

Lab File: VL031886.D

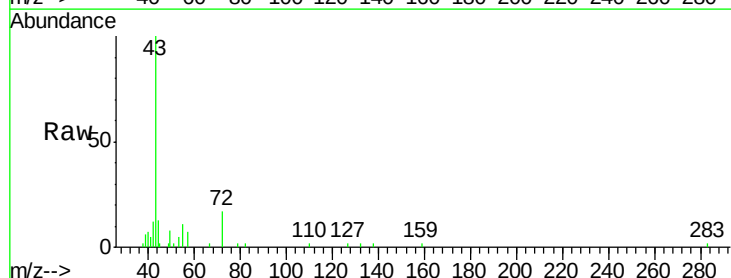
Acq: 19 Apr 2018 20:22

Tgt Ion: 43 Resp: 16210

Ion Ratio Lower Upper

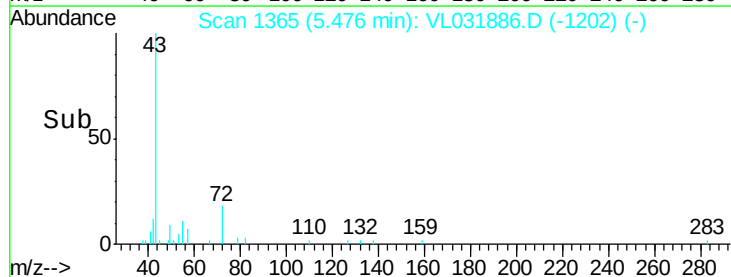
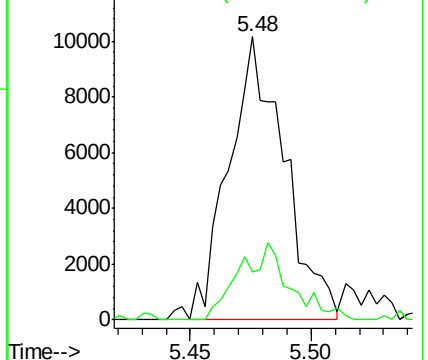
43 100

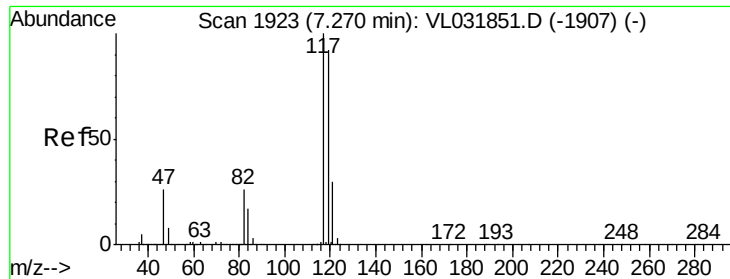
72 25.1 18.6 27.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 0.11 ppbv m

RT: 7.26 min Scan# 1920

Delta R.T. -0.01 min

Lab File: VL031886.D

Acq: 19 Apr 2018 20:22

Instrument :

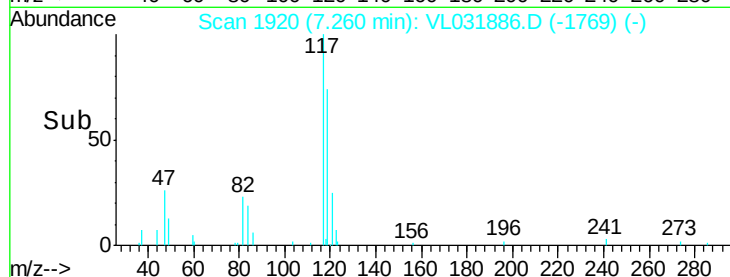
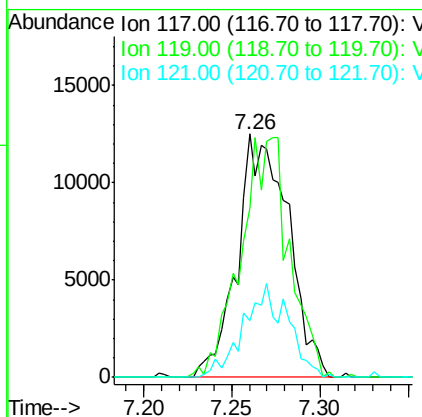
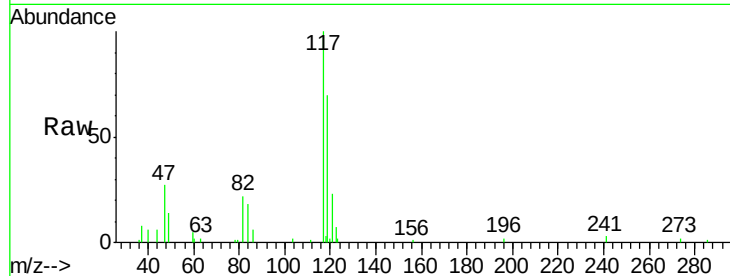
MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2018

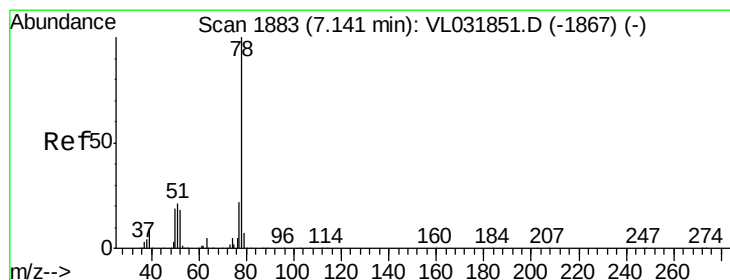
Tot Ion:	117	Resp:	24951
Ion Ratio	Lower	Upper	
117	100		
119	69.7	76.9	115.3#
121	23.5	24.5	36.7#

Manual Integrations
APPROVED



sam

4/23/2018 12:50:34 PM



#36

Benzene

Concen: 0.08 ppbv m

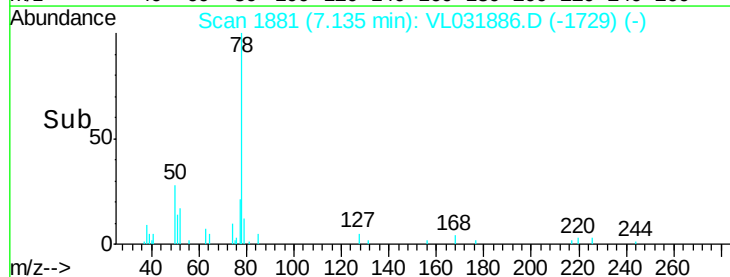
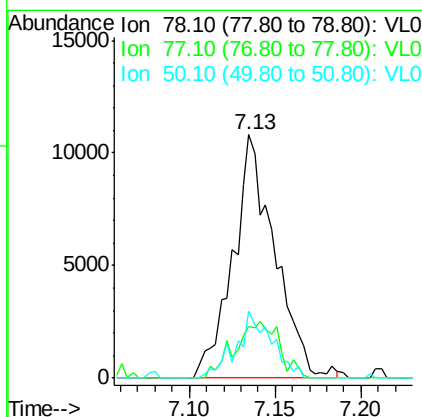
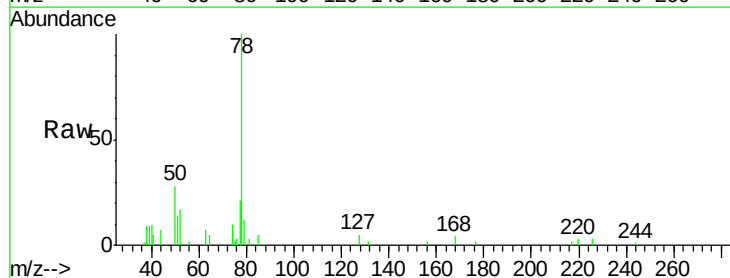
RT: 7.13 min Scan# 1881

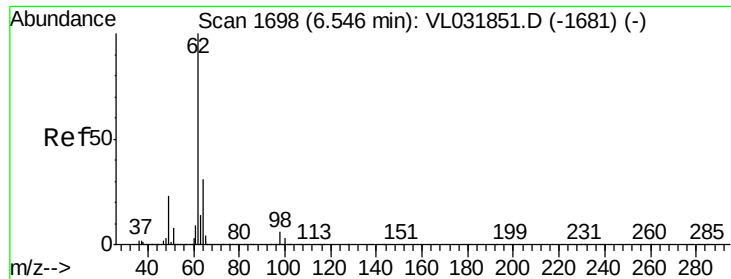
Delta R.T. -0.01 min

Lab File: VL031886.D

Acq: 19 Apr 2018 20:22

Tgt Ion:	78	Resp:	18214
Ion Ratio	Lower	Upper	
78	100		
77	21.4	19.2	28.8
50	27.8	16.7	25.1#



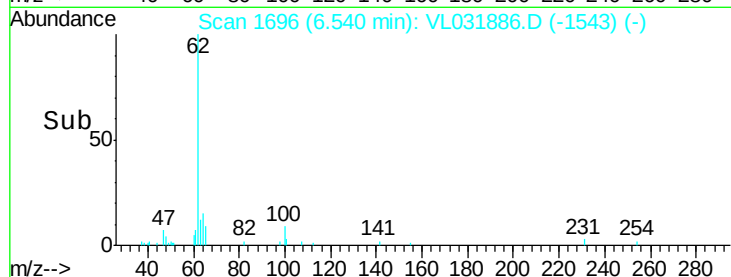
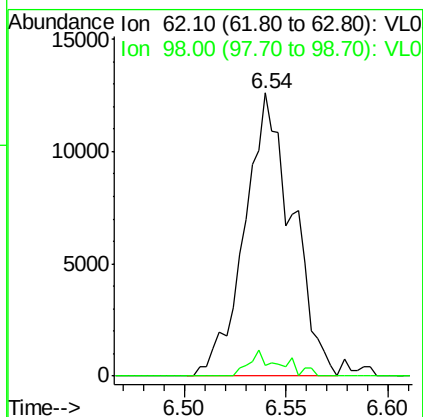
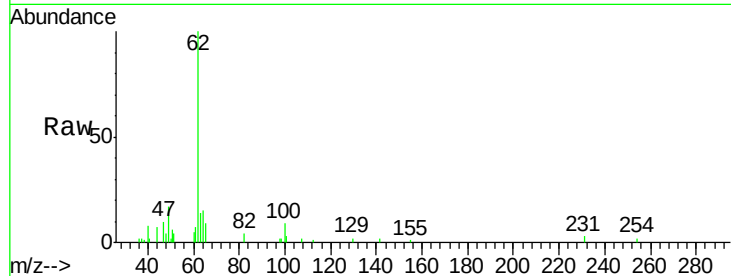


#37
 1,2-Dichloroethane
 Concen: 0.12 ppbv m
 RT: 6.54 min Scan# 1696
 Delta R.T. -0.01 min
 Lab File: VL031886.D
 Acq: 19 Apr 2018 20:22

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2018

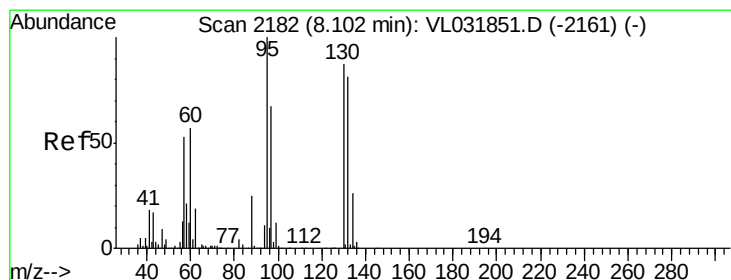
Tot Ion	Ratio	Lower	Upper
62	100		
98	5.8	4.0	6.0

Manual Integrations
 APPROVED



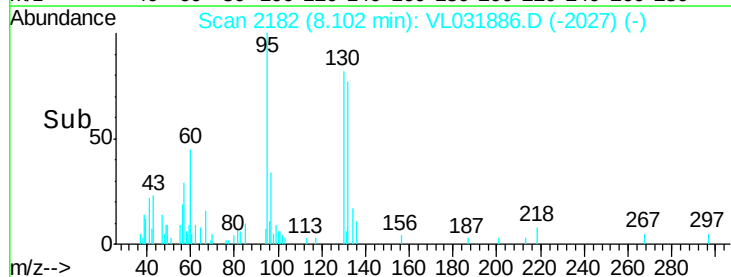
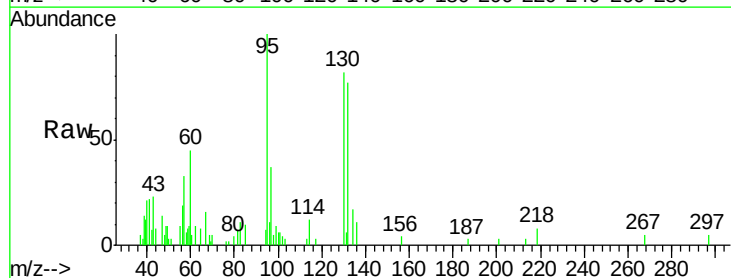
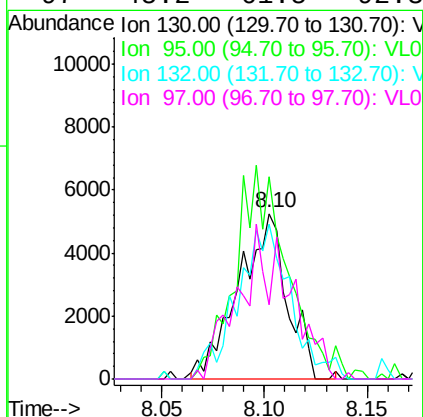
sam

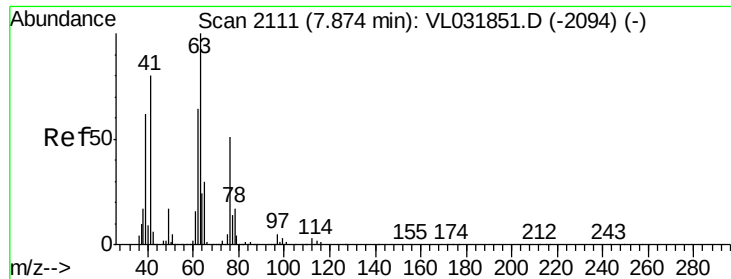
4/23/2018 12:50:34 PM



#38
 Trichloroethene
 Concen: 0.09 ppbv m
 RT: 8.10 min Scan# 2182
 Delta R.T. -0.00 min
 Lab File: VL031886.D
 Acq: 19 Apr 2018 20:22

Tgt Ion	Ratio	Lower	Upper
130	100		
95	121.7	96.6	144.8
132	93.7	79.1	118.7
97	45.2	61.5	92.3



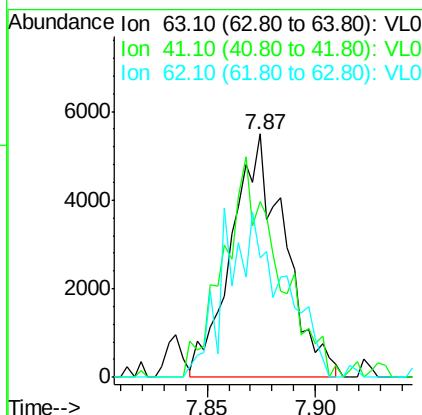
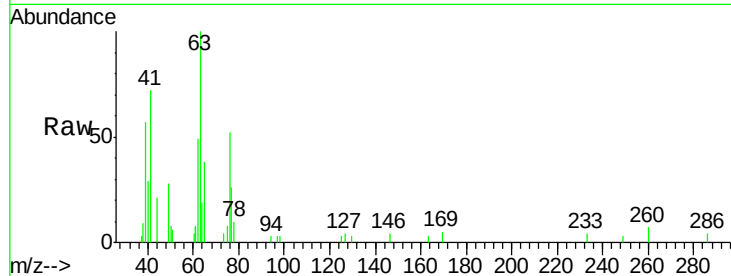


#39
 1,2-Dichloropropane
 Concen: 0.11 ppbv m
 RT: 7.87 min Scan# 2111
 Delta R.T. -0.01 min
 Lab File: VL031886.D
 Acq: 19 Apr 2018 20:22

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2018

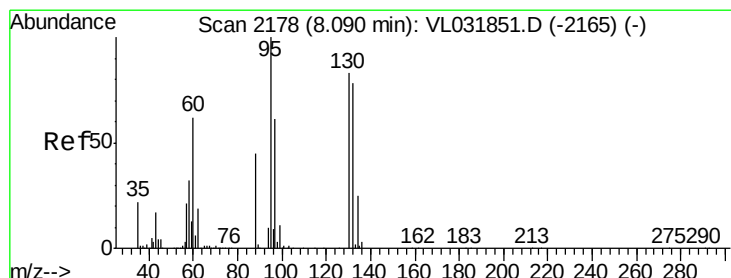
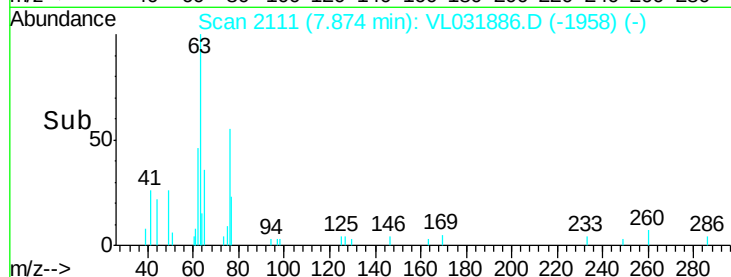
Tot Ion	Ratio	Lower	Upper
63	100		
41	72.0	65.8	98.6
62	49.0	55.0	82.6#

Manual Integrations
 APPROVED



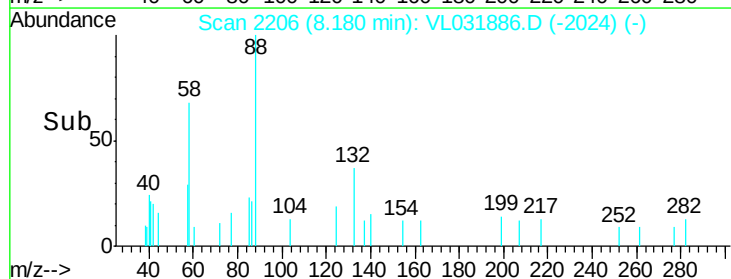
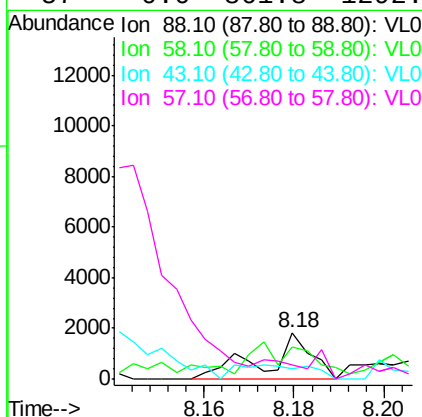
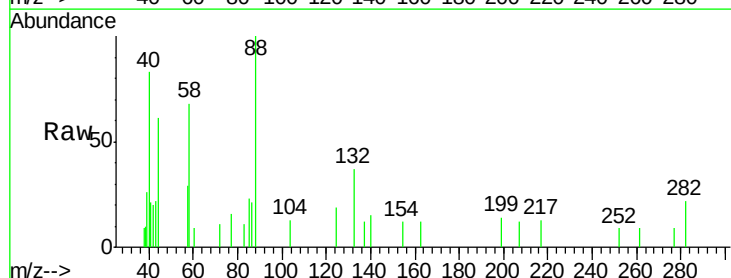
sam

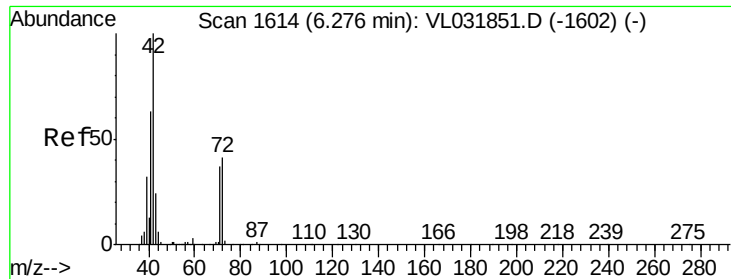
4/23/2018 12:50:34 PM



#40
 1,4-Dioxane
 Concen: 0.04 ppbv m
 RT: 8.18 min Scan# 2206
 Delta R.T. 0.09 min
 Lab File: VL031886.D
 Acq: 19 Apr 2018 20:22

Tgt Ion	Ratio	Lower	Upper
88	100		
58	229.5	98.5	147.7#
43	0.0	194.3	291.5#
57	0.0	861.8	1292.6#



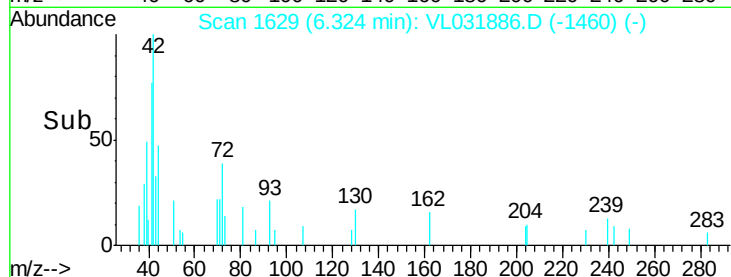
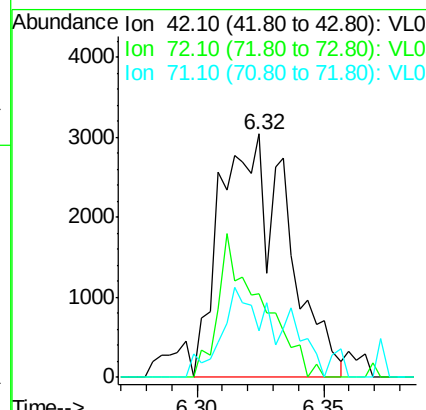
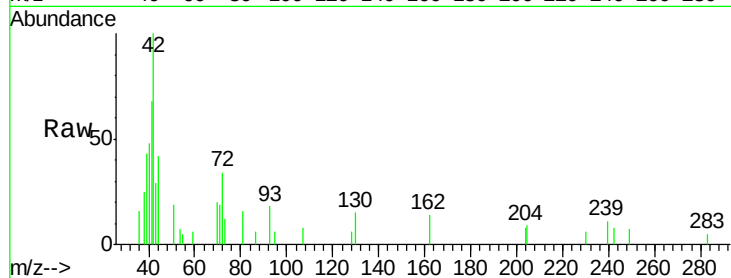


#41
Tetrahydrofuran
Concen: 0.07 ppbv m
RT: 6.32 min Scan# 1629
Delta R.T. 0.04 min
Lab File: VL031886.D
Acq: 19 Apr 2018 20:22

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2018

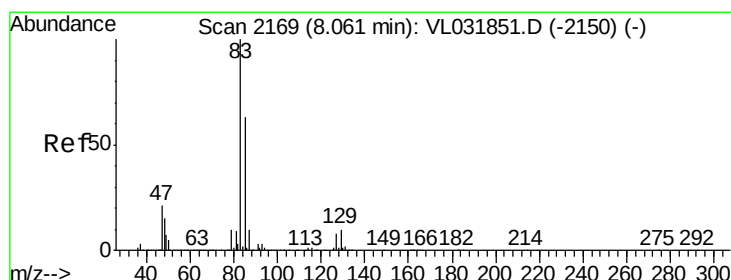
Tot Ion	Ratio	Lower	Upper
42	100		
72	0.0	33.2	49.8#
71	0.0	31.5	47.3#

Manual Integrations
APPROVED



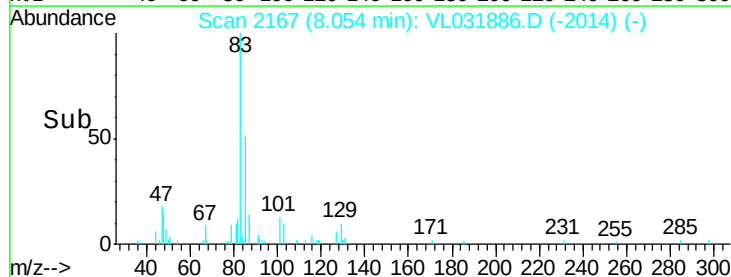
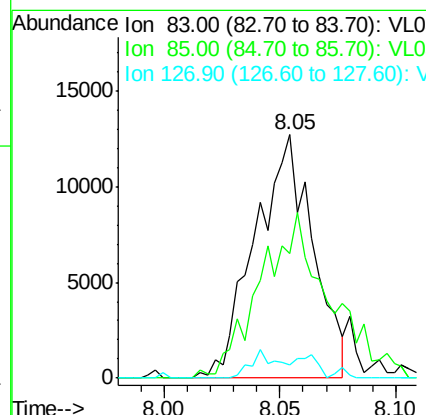
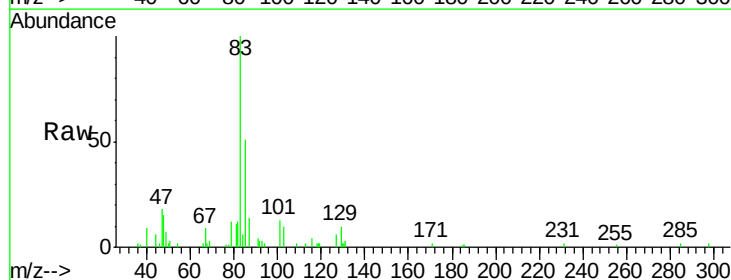
sam

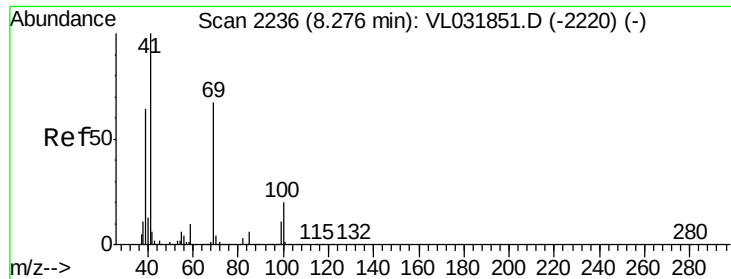
4/23/2018 12:50:34 PM



#42
Bromodichloromethane
Concen: 0.11 ppbv
RT: 8.05 min Scan# 2167
Delta R.T. -0.01 min
Lab File: VL031886.D
Acq: 19 Apr 2018 20:22

Tgt Ion	Ratio	Lower	Upper
83	100		
85	51.1	50.5	75.7
127	5.7	6.0	9.0#



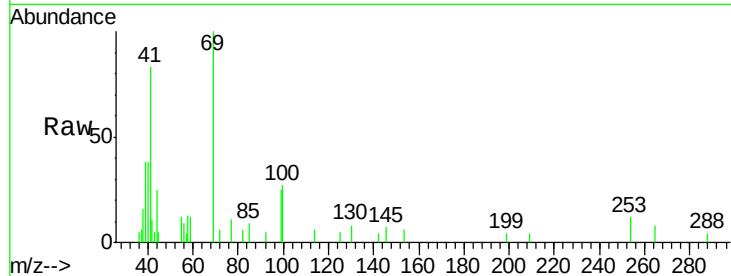


#43
Methyl Methacrylate
Concen: 0.07 ppbv m
RT: 8.28 min Scan# 2238
Delta R.T. 0.01 min
Lab File: VL031886.D
Acq: 19 Apr 2018 20:22

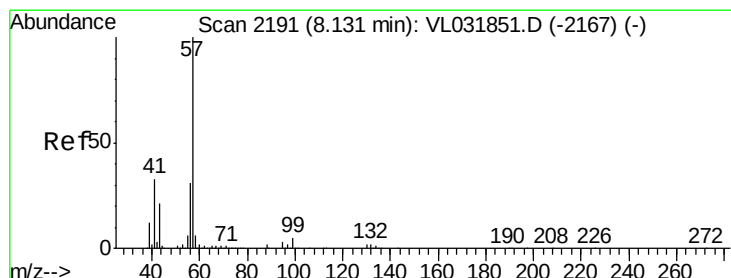
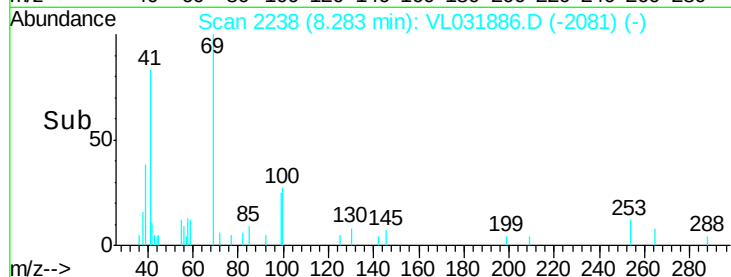
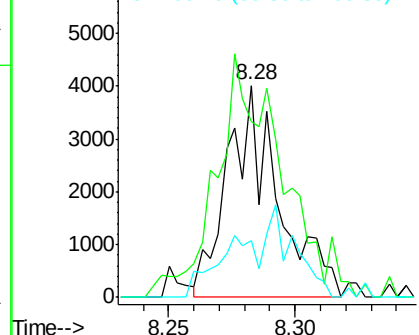
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2018

Tot Ion	Ratio	Lower	Upper
69	100		
41	0.0	117.8	176.8#
100	0.0	24.6	37.0#

Manual Integrations
APPROVED

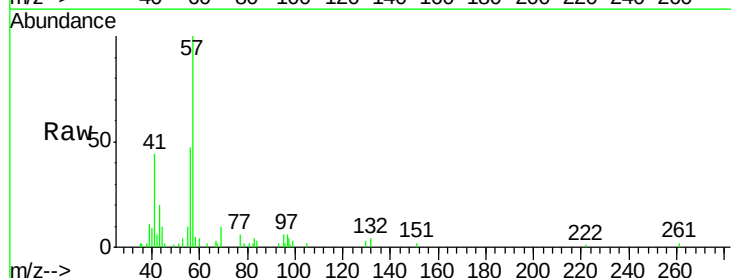


Abundance Ion 69.10 (68.80 to 69.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 100.10 (99.80 to 100.80): VL0

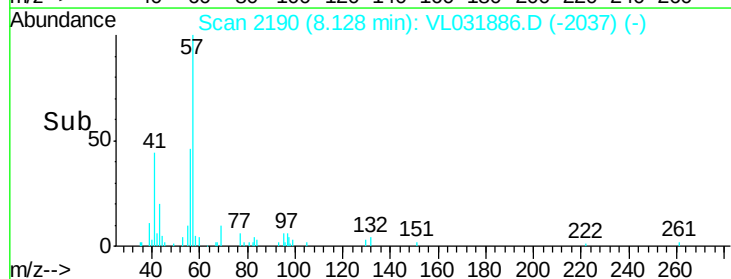
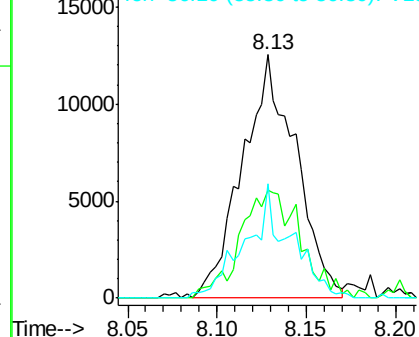


#44
2,2,4-Trimethylpentane
Concen: 0.07 ppbv
RT: 8.13 min Scan# 2190
Delta R.T. -0.01 min
Lab File: VL031886.D
Acq: 19 Apr 2018 20:22

Tgt Ion	Ratio	Lower	Upper
57	100		
41	50.5	27.0	40.6#
56	39.0	24.1	36.1#

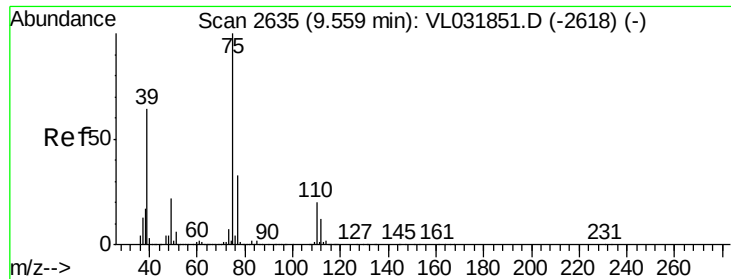


Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 56.10 (55.80 to 56.80): VL0



sam

4/23/2018 12:50:34 PM



#45

t-1,3-Dichloropropene

Concen: 0.08 ppbv m

RT: 9.56 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VL031886.D

Acq: 19 Apr 2018 20:22

Tot Ion: 75 Resp: 8535

Ion Ratio Lower Upper

75 100

77 27.4 25.1 37.7

Instrument :

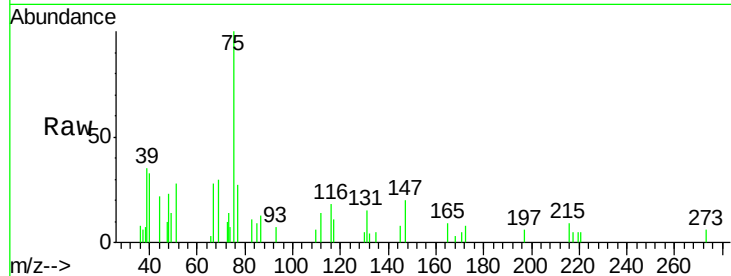
MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2018

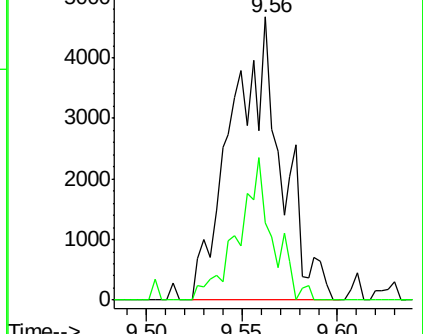
Manual Integrations

APPROVED

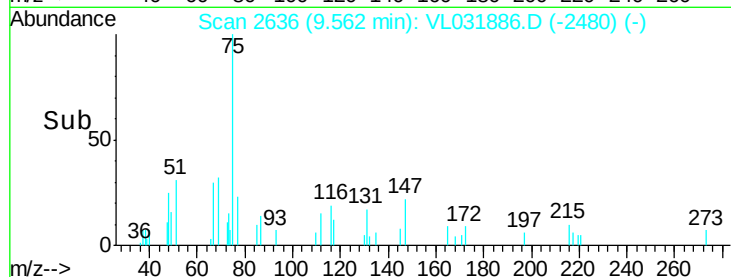


Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

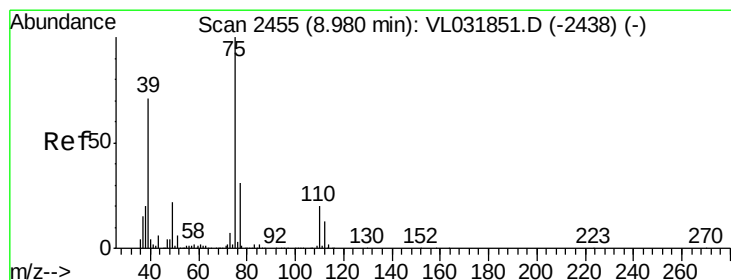


sam



Time-->

4/23/2018 12:50:34 PM



#46

cis-1,3-Dichloropropene

Concen: 0.08 ppbv m

RT: 8.97 min Scan# 2452

Delta R.T. -0.01 min

Lab File: VL031886.D

Acq: 19 Apr 2018 20:22

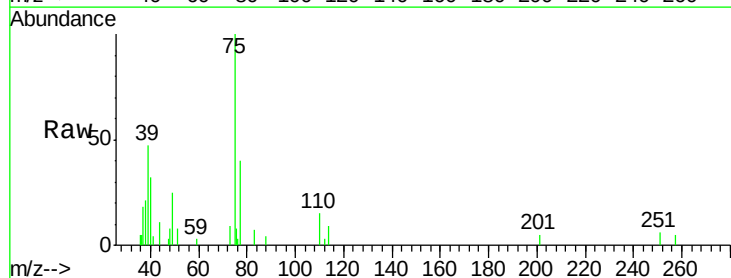
Tgt Ion: 75 Resp: 10435

Ion Ratio Lower Upper

75 100

39 47.1 58.6 87.8#

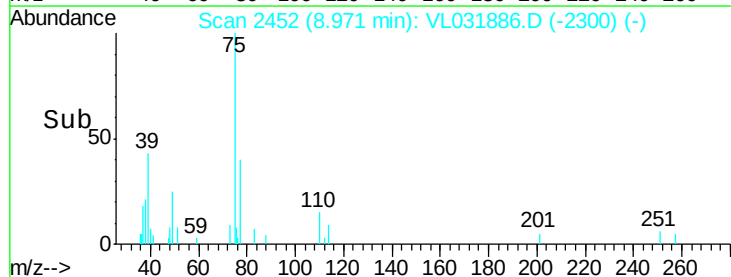
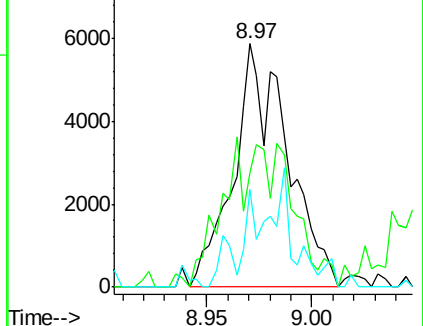
77 40.0 26.8 40.2

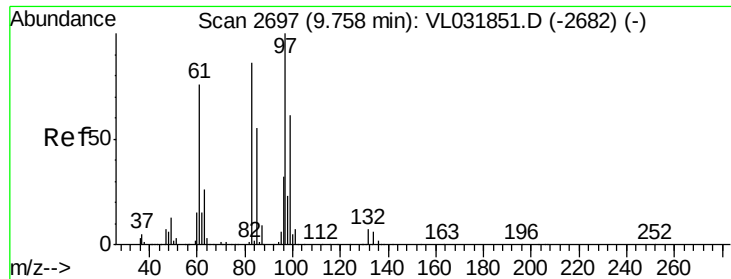


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0



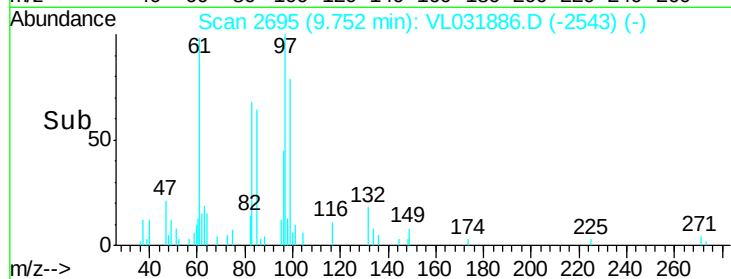
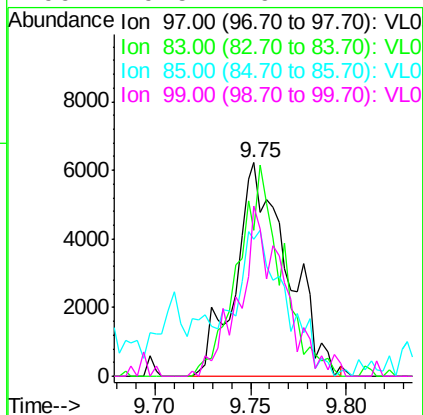
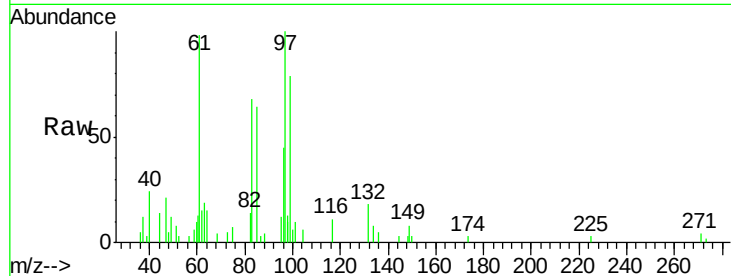


#47
 1,1,2-Trichloroethane
 Concen: 0.11 ppbv m
 RT: 9.75 min Scan# 2695
 Delta R.T. -0.01 min
 Lab File: VL031886.D
 Acq: 19 Apr 2018 20:22

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2018

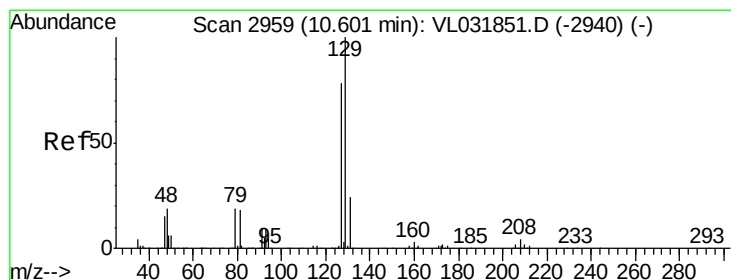
Tot Ion	Ratio	Lower	Upper
97	100		
83	68.1	69.1	103.7#
85	63.9	43.7	65.5
99	79.5	49.4	74.2#

Manual Integrations
 APPROVED



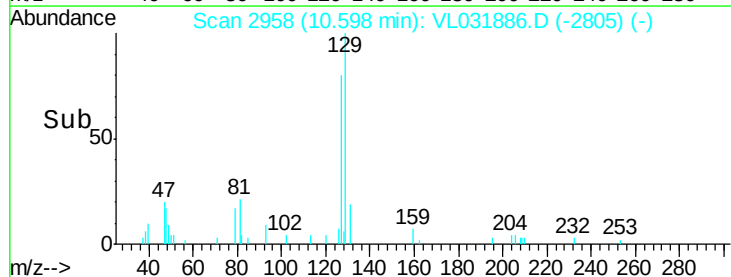
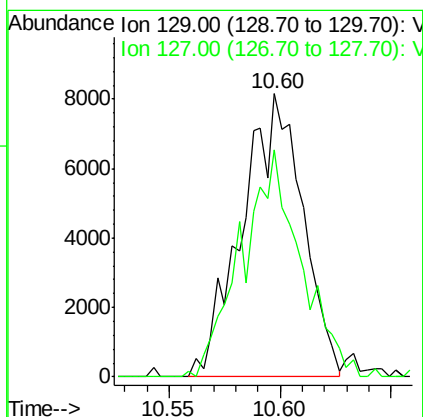
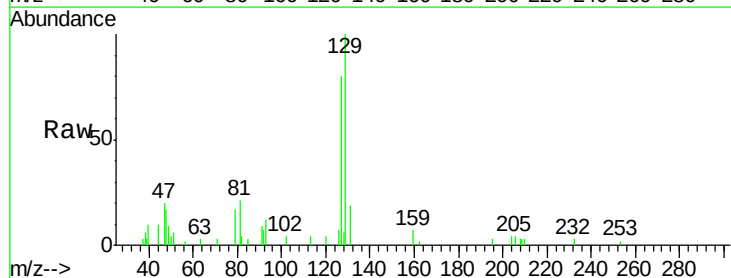
sam

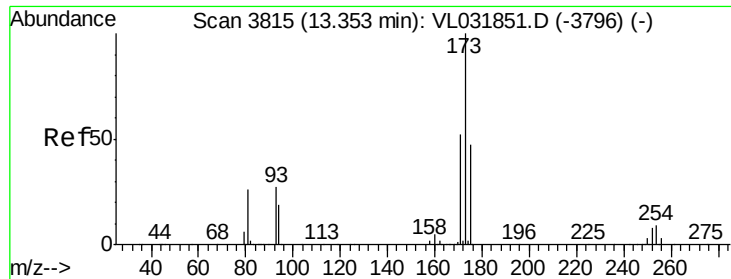
4/23/2018 12:50:34 PM



#48
 Dibromochloromethane
 Concen: 0.09 ppbv m
 RT: 10.60 min Scan# 2958
 Delta R.T. -0.01 min
 Lab File: VL031886.D
 Acq: 19 Apr 2018 20:22

Tgt Ion	Ratio	Lower	Upper
129	100		
127	0.0	39.1	117.5#





#49

Bromoform

Concen: 0.09 ppbv m

RT: 13.35 min Scan# 3813

Delta R.T. -0.01 min

Lab File: VL031886.D

Acq: 19 Apr 2018 20:22

Instrument :

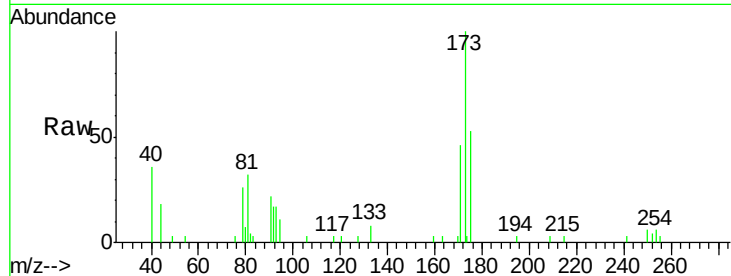
MSVOA_L

ClientSampleId :

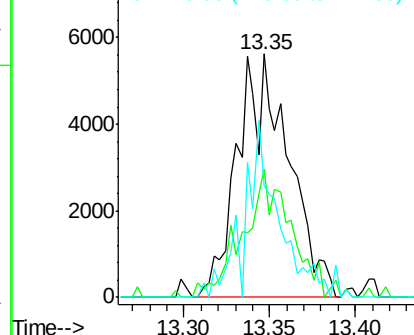
LOD-MDL-AIR-01-QT2-2018

Tot Ion:	173	Resp:	11687
Ion	Ratio	Lower	Upper
173	100		
175	49.7	39.0	58.6
171	49.1	41.4	62.0

Manual Integrations
APPROVED

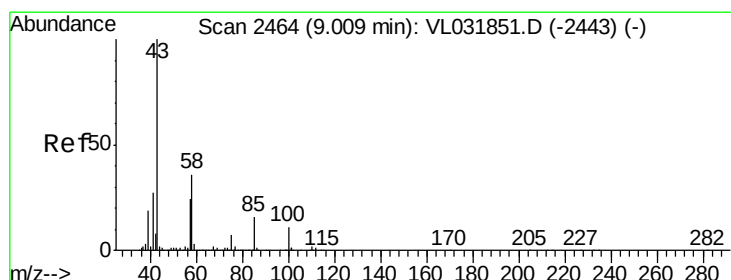
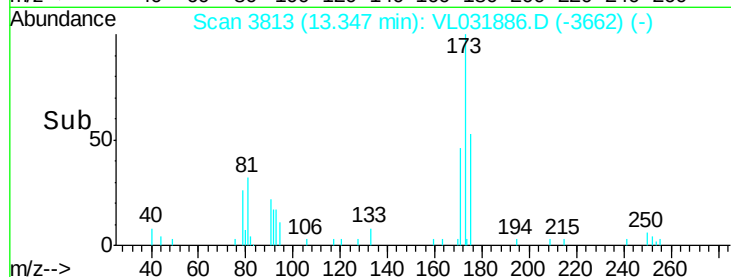


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V



sam

4/23/2018 12:50:34 PM



#50

4-Methyl-2-Pentanone

Concen: 0.07 ppbv m

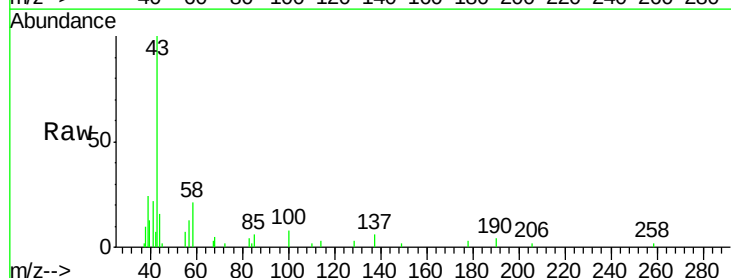
RT: 9.05 min Scan# 2476

Delta R.T. 0.03 min

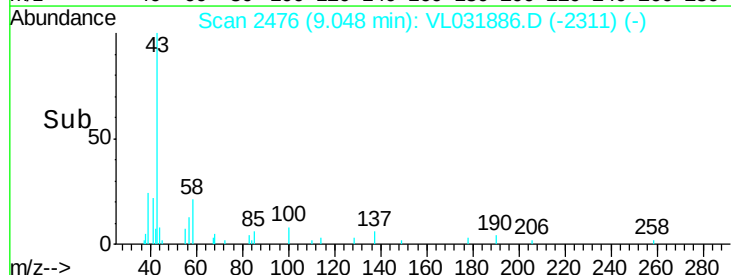
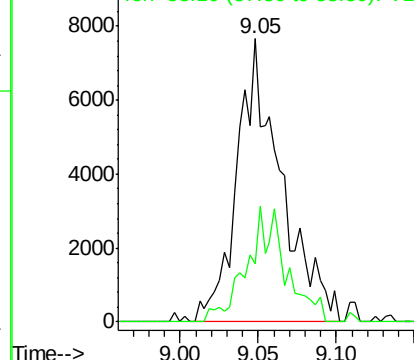
Lab File: VL031886.D

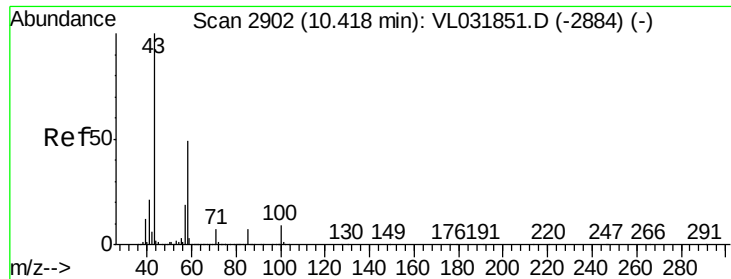
Acq: 19 Apr 2018 20:22

Tgt Ion:	43	Resp:	14978
Ion	Ratio	Lower	Upper
43	100		
58	0.0	28.6	43.0#



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 0.06 ppbv m

RT: 10.45 min Scan# 2913

Delta R.T. 0.04 min

Lab File: VL031886.D

Acq: 19 Apr 2018 20:22

Instrument :

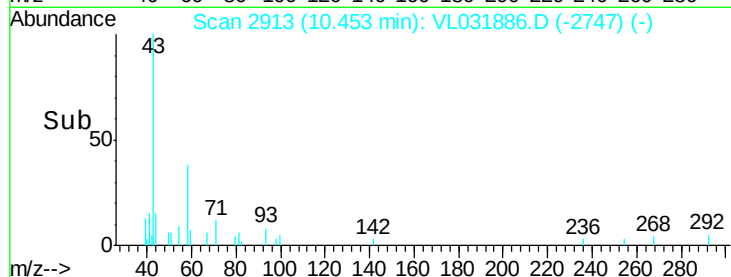
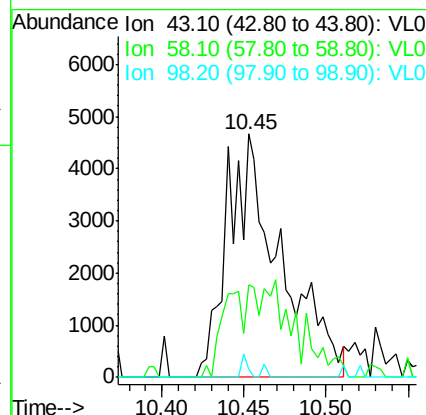
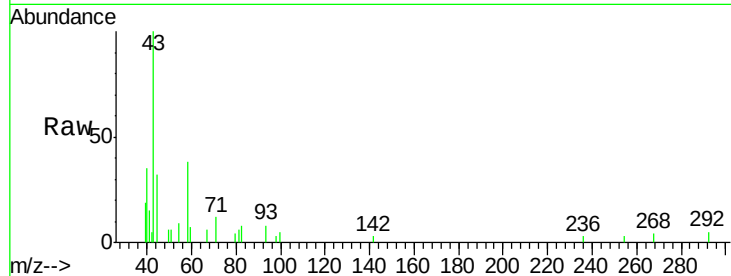
MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2018

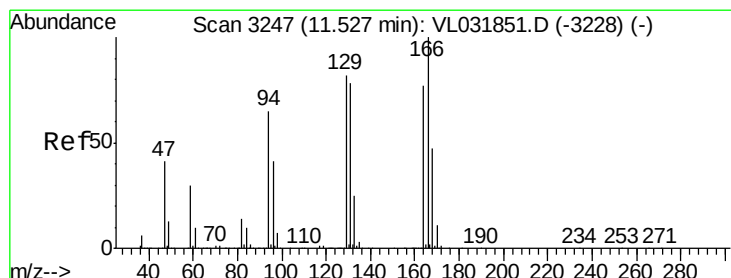
Tot Ion:	43	Resp:	10463
Ion Ratio	Lower	Upper	
43	100		
58	0.0	38.5	57.7#
98	0.0	0.2	0.4#

Manual Integrations
APPROVED



sam

4/23/2018 12:50:34 PM



#52

Tetrachloroethene

Concen: 0.10 ppbv m

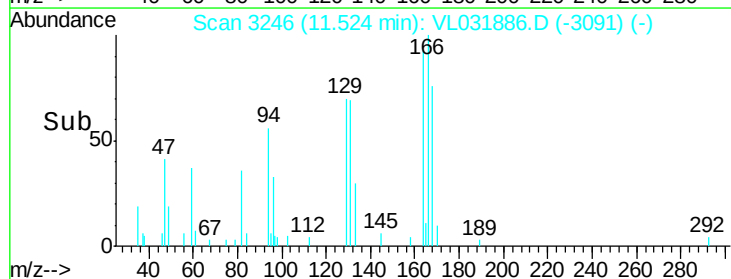
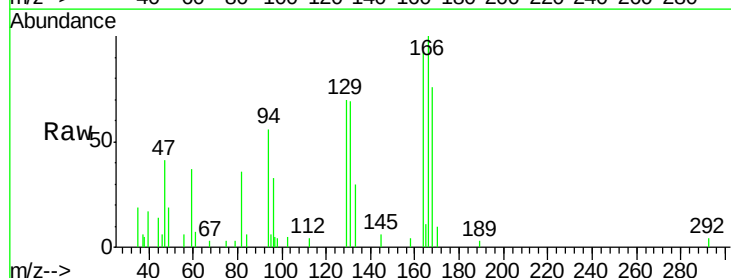
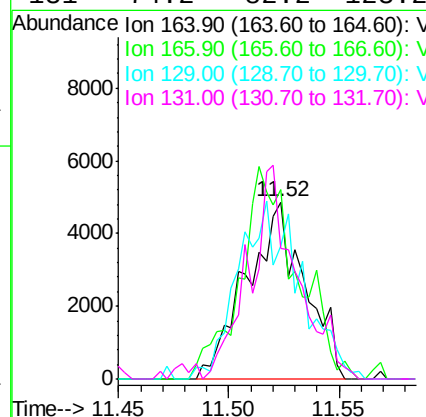
RT: 11.52 min Scan# 3246

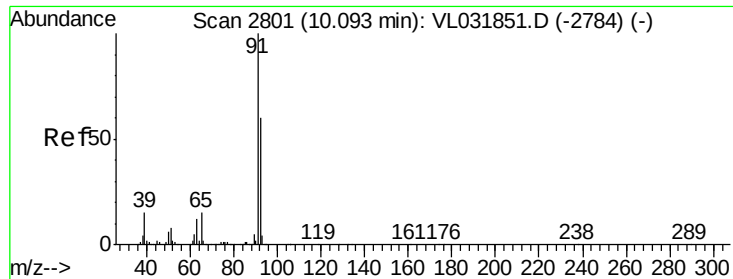
Delta R.T. -0.00 min

Lab File: VL031886.D

Acq: 19 Apr 2018 20:22

Tgt Ion:	164	Resp:	8874
Ion Ratio	Lower	Upper	
164	100		
166	107.0	98.2	147.4
129	75.1	86.5	129.7#
131	74.2	82.2	123.2#





#53

Toluene

Concen: 0.06 ppbv m

RT: 10.10 min Scan# 2802

Delta R.T. 0.00 min

Lab File: VL031886.D

Acq: 19 Apr 2018 20:22

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2018

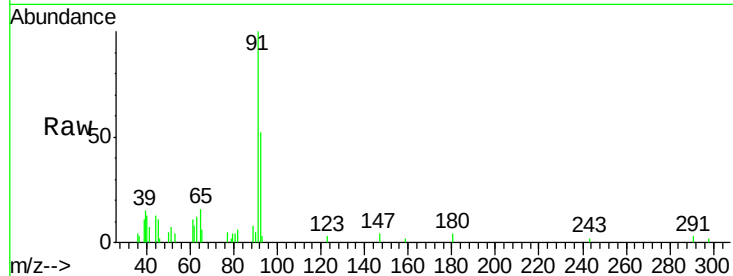
Tot Ion: 91 Resp: 15041

Ion Ratio Lower Upper

91 100

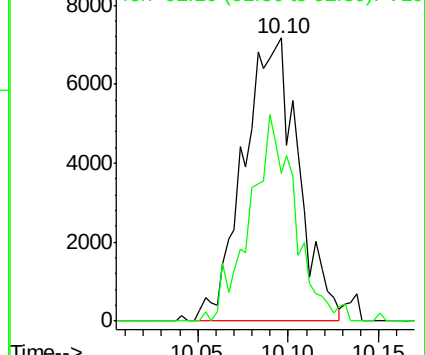
92 0.0 47.4 71.2#

Manual Integrations
APPROVED

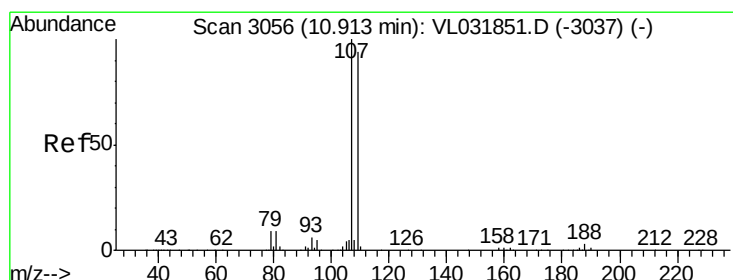
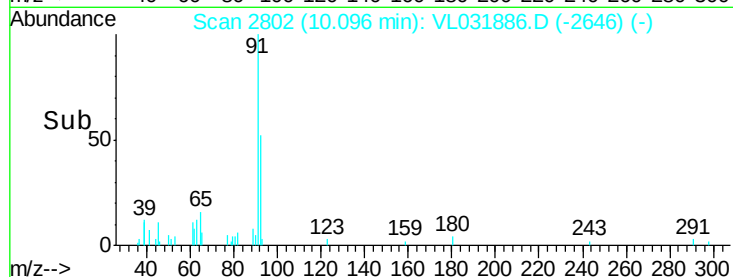


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



sam



#54

1,2-Dibromoethane

Concen: 0.08 ppbv m

RT: 10.90 min Scan# 3053

Delta R.T. -0.01 min

Lab File: VL031886.D

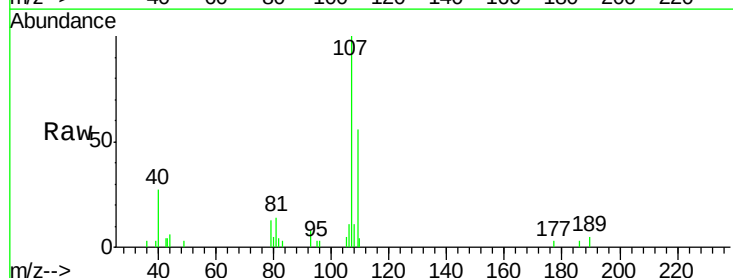
Acq: 19 Apr 2018 20:22

Tgt Ion: 107 Resp: 12510

Ion Ratio Lower Upper

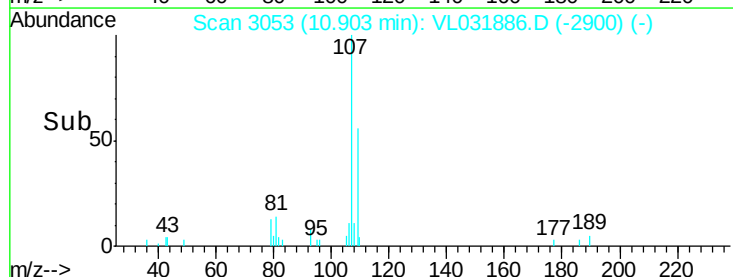
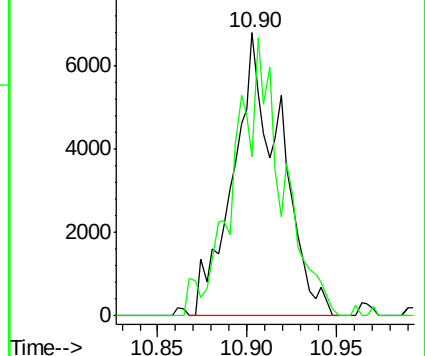
107 100

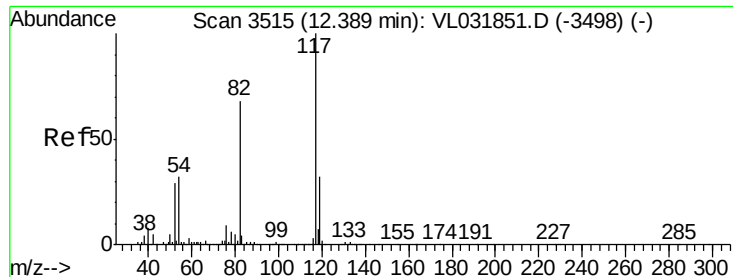
109 56.0 74.6 112.0#



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



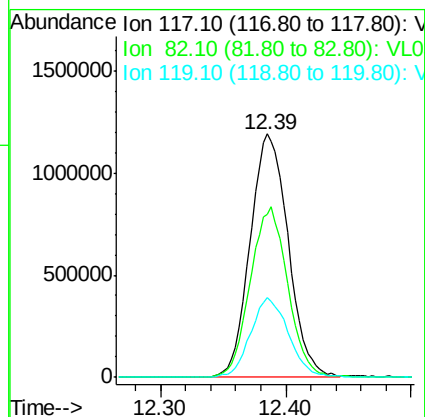
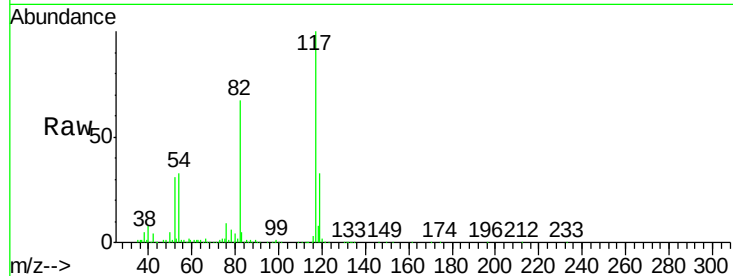


#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.39 min Scan# 3514
Delta R.T. -0.01 min
Lab File: VL031886.D
Acq: 19 Apr 2018 20:22

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2018

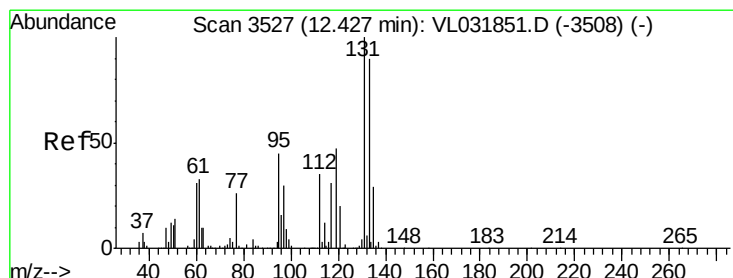
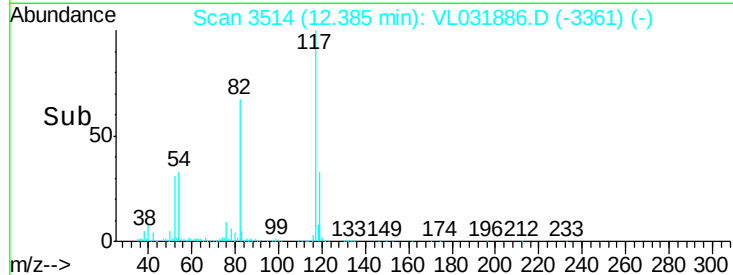
Tot Ion:117	Resp: 2514845
Ion Ratio	Lower Upper
117 100	
82 69.1	54.6 81.8
119 32.8	26.0 39.0

Manual Integrations
APPROVED



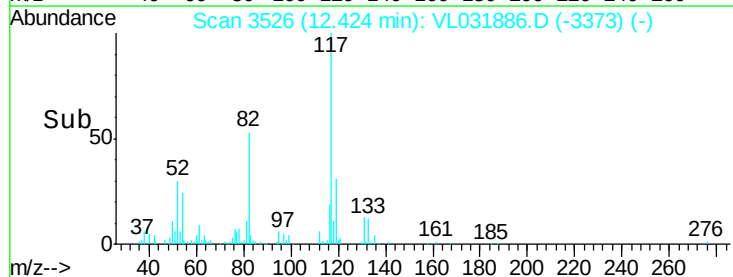
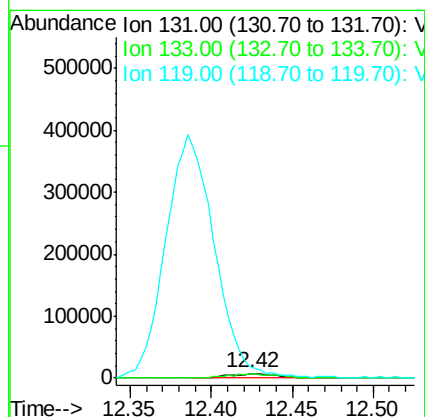
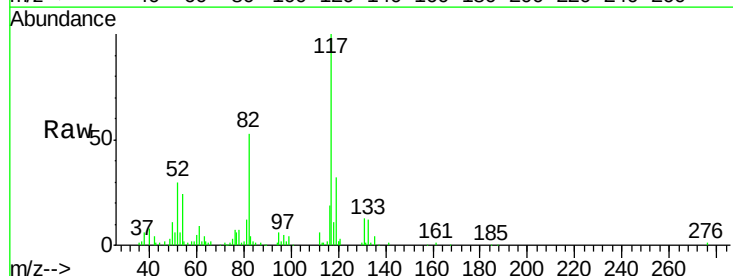
sam

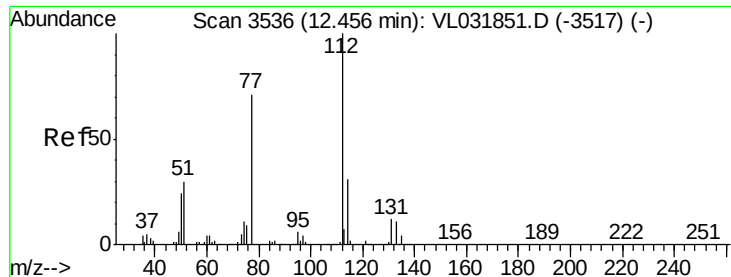
4/23/2018 12:50:34 PM



#56
1,1,1,2-Tetrachloroethane
Concen: 0.13 ppbv m
RT: 12.42 min Scan# 3526
Delta R.T. -0.01 min
Lab File: VL031886.D
Acq: 19 Apr 2018 20:22

Tgt Ion:131	Resp: 15368
Ion Ratio	Lower Upper
131 100	
133 95.7	76.1 114.1
119 0.0	106.3 159.5#





#57

Chlorobenzene

Concen: 0.13 ppbv m

RT: 12.44 min Scan# 3532

Delta R.T. -0.01 min

Lab File: VL031886.D

Acq: 19 Apr 2018 20:22

Instrument :

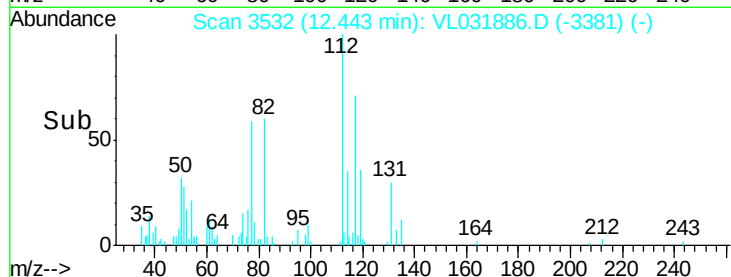
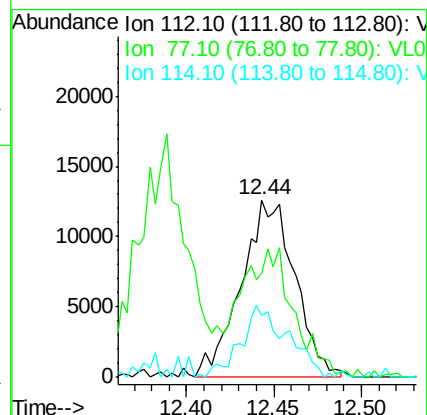
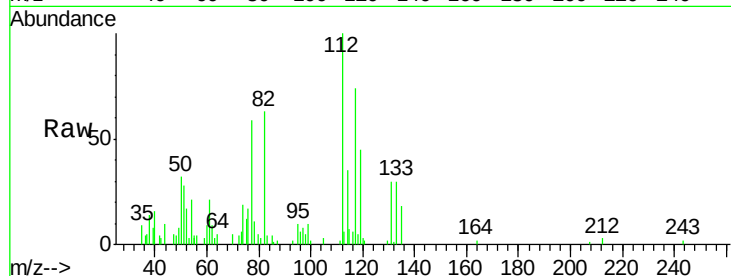
MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2018

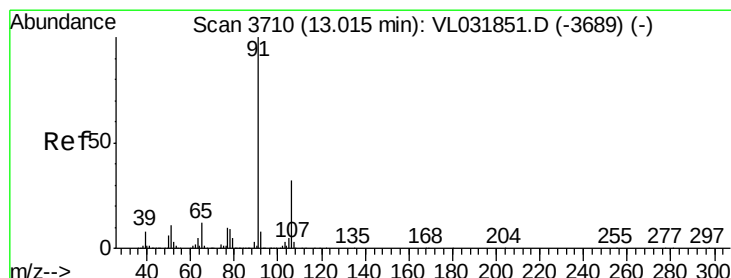
Tot Ion:	112	Resp:	26949
Ion Ratio	Lower	Upper	
112	100		
77	58.9	57.0	85.6
114	34.8	28.5	34.9

Manual Integrations
APPROVED



sam

4/23/2018 12:50:34 PM



#58

Ethyl Benzene

Concen: 0.06 ppbv m

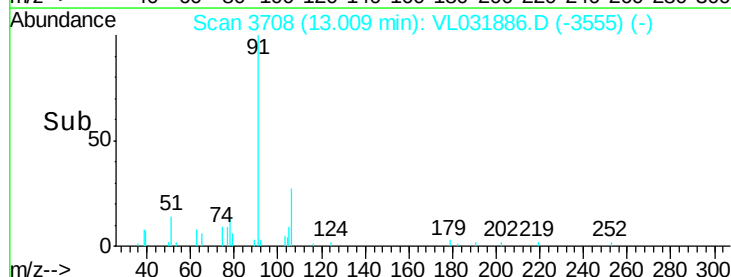
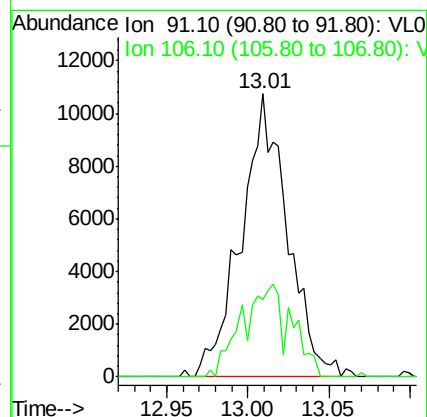
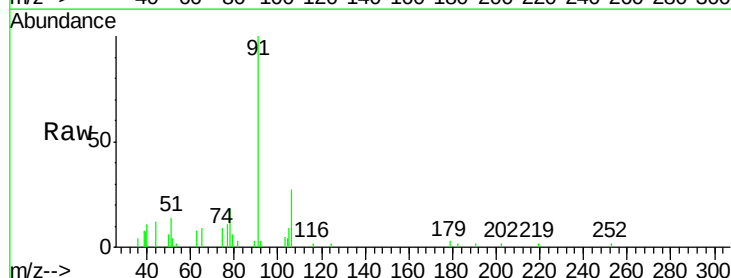
RT: 13.01 min Scan# 3708

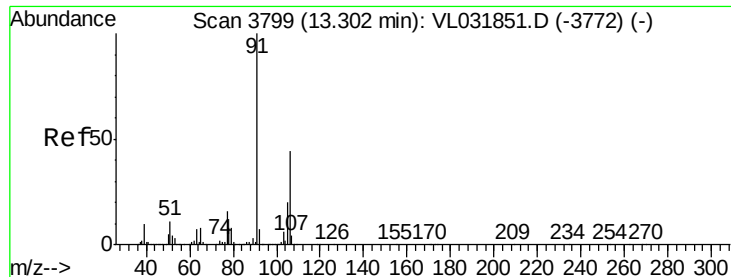
Delta R.T. -0.01 min

Lab File: VL031886.D

Acq: 19 Apr 2018 20:22

Tgt Ion:	91	Resp:	21379
Ion Ratio	Lower	Upper	
91	100		
106	27.1	23.8	35.6



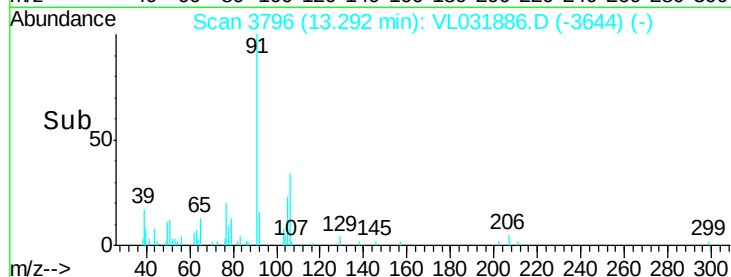
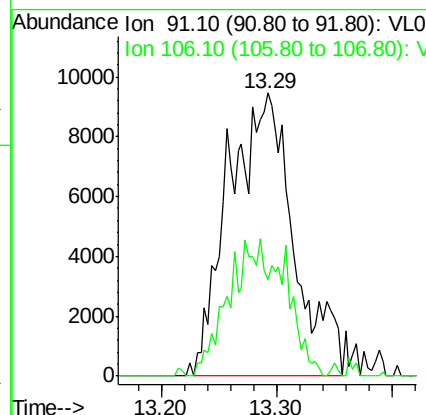
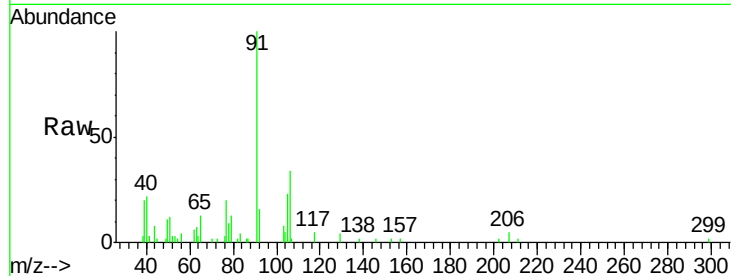


#59
m/p-Xylene
Concen: 0.12 ppbv m
RT: 13.29 min Scan# 3796
Delta R.T. -0.01 min
Lab File: VL031886.D
Acq: 19 Apr 2018 20:22

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2018

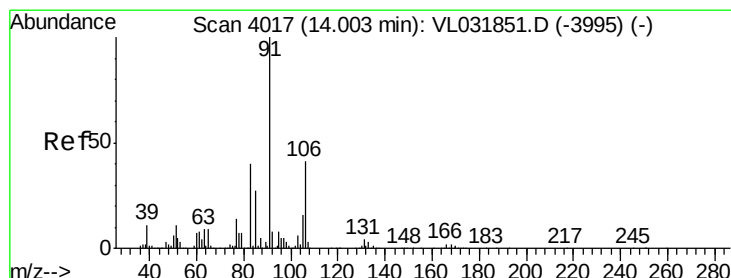
Tot Ion: 91 Resp: 36981
Ion Ratio Lower Upper
91 100
106 0.0 35.5 53.3#

Manual Integrations
APPROVED



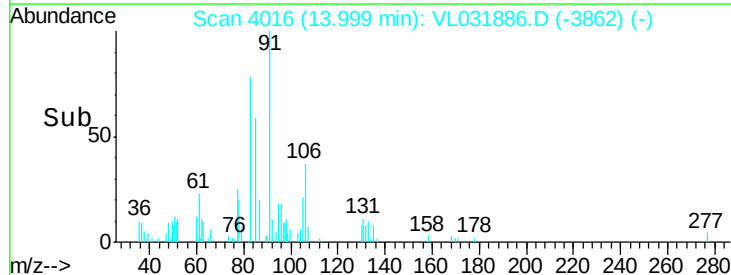
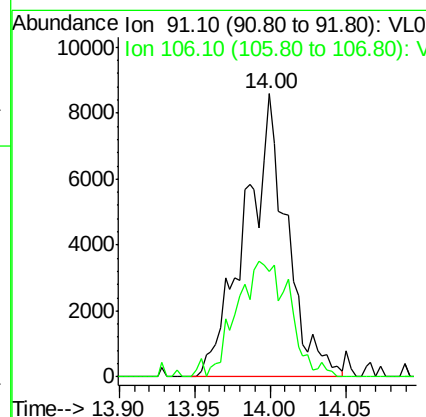
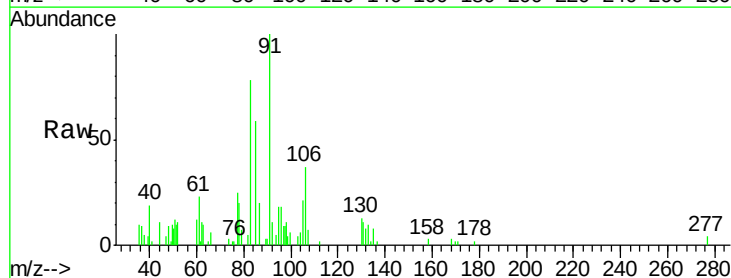
sam

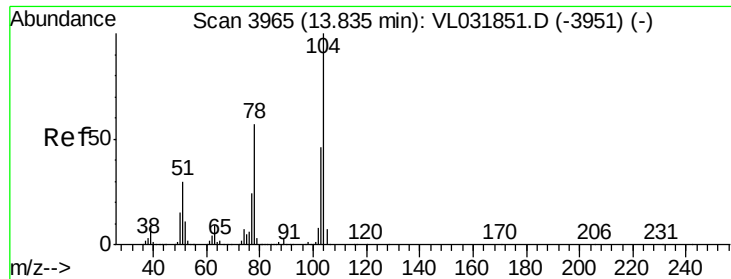
4/23/2018 12:50:34 PM



#60
o-Xylene
Concen: 0.05 ppbv m
RT: 14.00 min Scan# 4016
Delta R.T. -0.00 min
Lab File: VL031886.D
Acq: 19 Apr 2018 20:22

Tgt Ion: 91 Resp: 16555
Ion Ratio Lower Upper
91 100
106 51.0 21.3 63.9



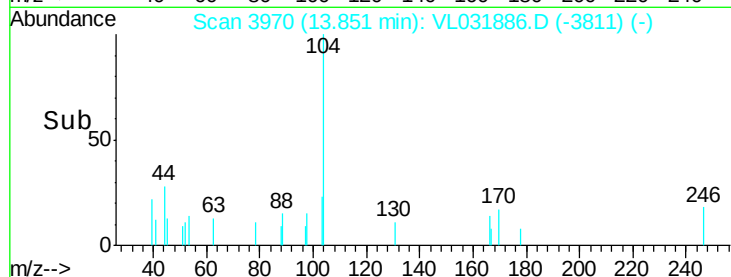
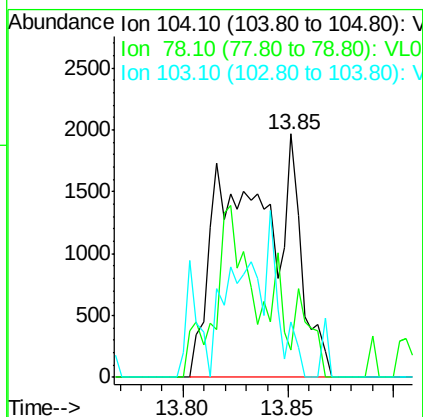
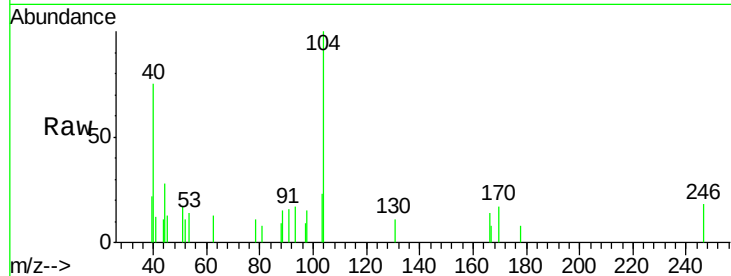


#61
Stvrene
Concen: 0.07 ppbv m
RT: 13.85 min Scan# 3970
Delta R.T. 0.01 min
Lab File: VL031886.D
Acq: 19 Apr 2018 20:22

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2018

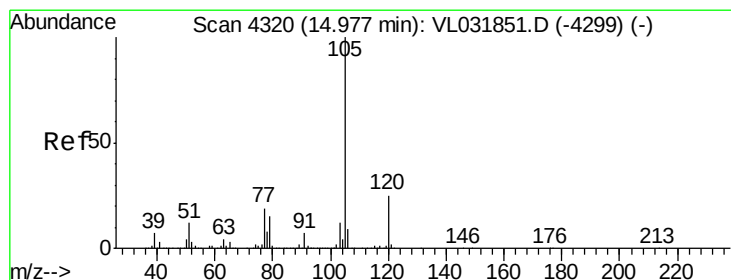
Tot Ion	Ratio	Lower	Upper
104	100		
78	56.6	44.4	66.6
103	0.0	37.9	56.9#

Manual Integrations
APPROVED



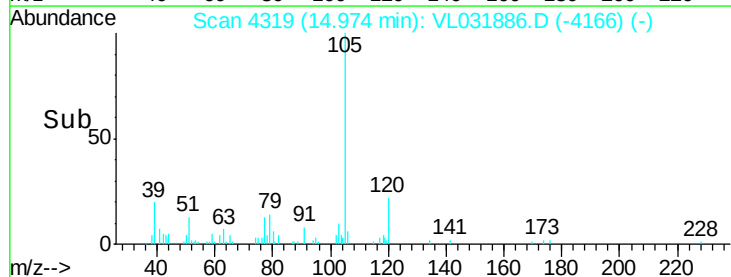
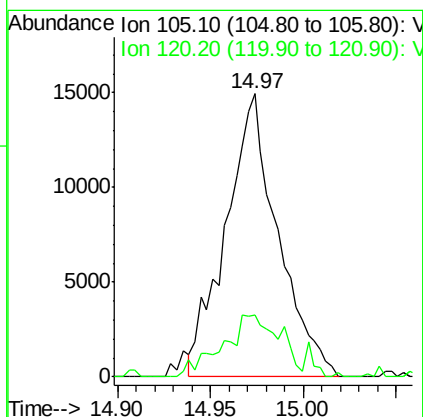
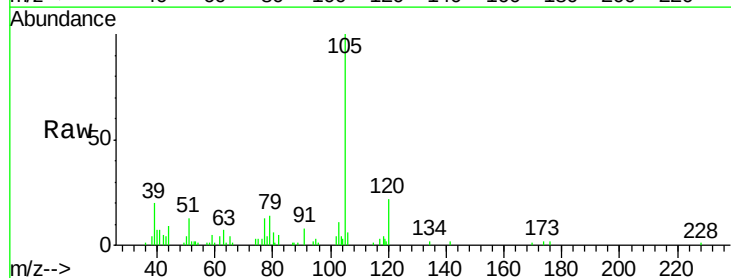
sam

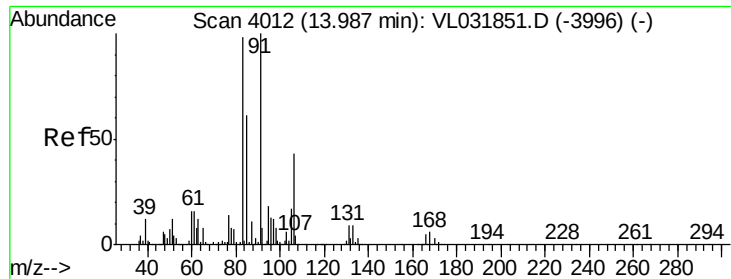
4/23/2018 12:50:34 PM



#62
Isopropylbenzene
Concen: 0.07 ppbv
RT: 14.97 min Scan# 4319
Delta R.T. -0.01 min
Lab File: VL031886.D
Acq: 19 Apr 2018 20:22

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.2	19.4	29.2



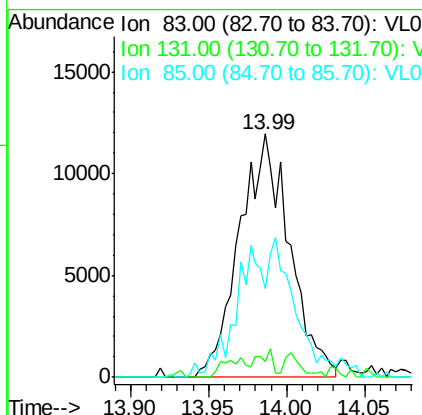
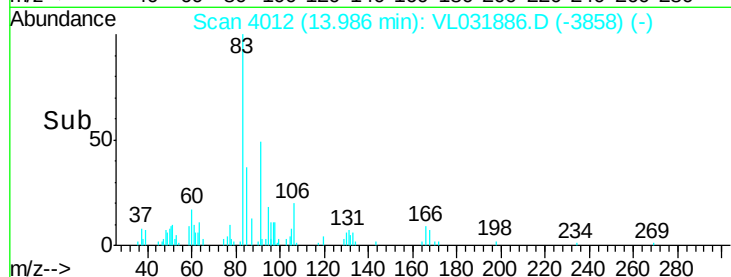
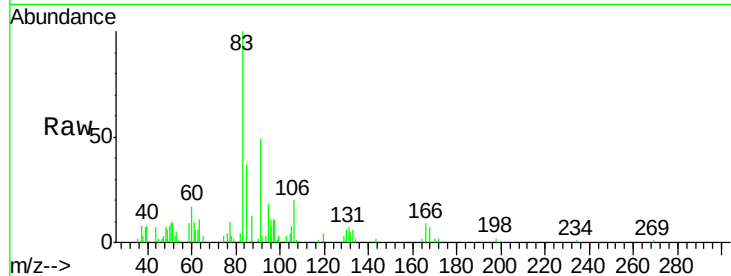


#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.11 ppbv m
 RT: 13.99 min Scan# 4012
 Delta R.T. -0.00 min
 Lab File: VL031886.D
 Acq: 19 Apr 2018 20:22

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2018

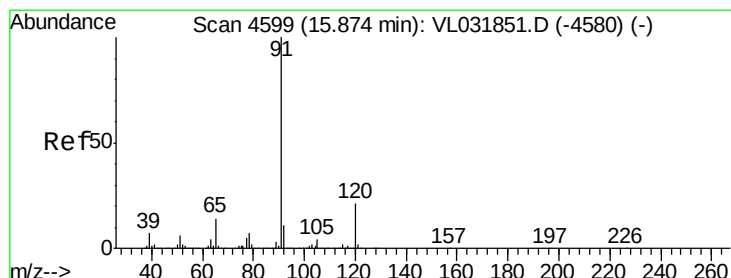
Tot Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.9	14.6#
85	0.0	32.2	96.6#

Manual Integrations
 APPROVED



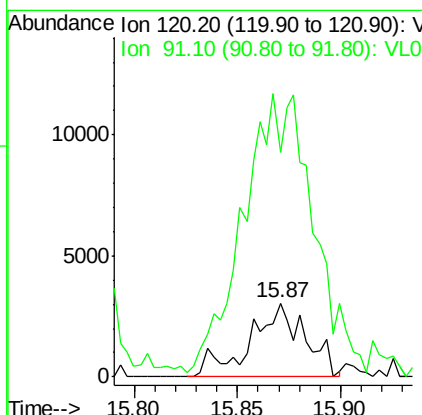
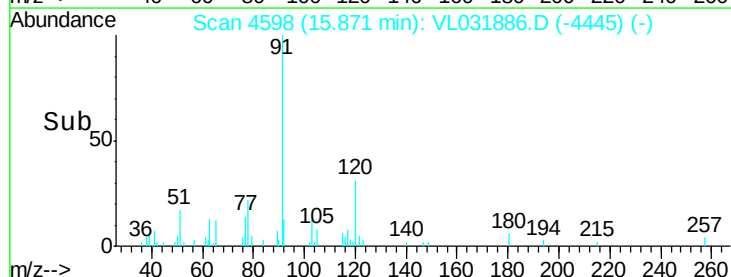
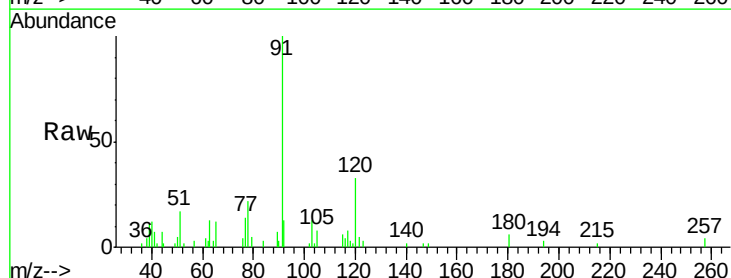
sam

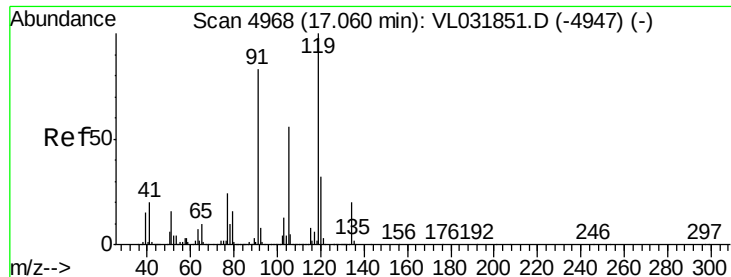
4/23/2018 12:50:34 PM



#64
 n-propylbenzene
 Concen: 0.06 ppbv m
 RT: 15.87 min Scan# 4598
 Delta R.T. -0.01 min
 Lab File: VL031886.D
 Acq: 19 Apr 2018 20:22

Tgt Ion	Ratio	Lower	Upper
120	100		
91	529.8	393.7	590.5



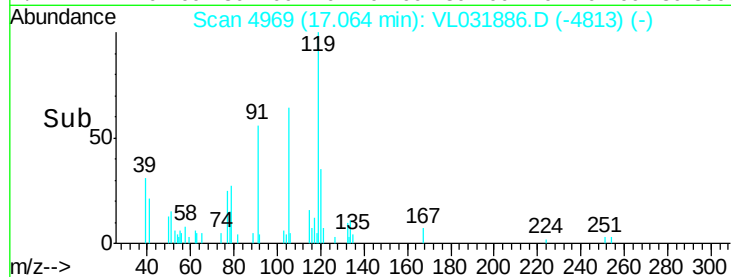
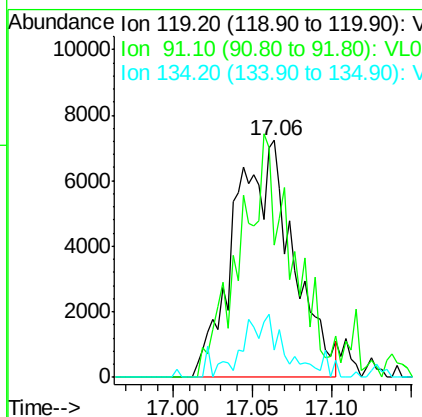
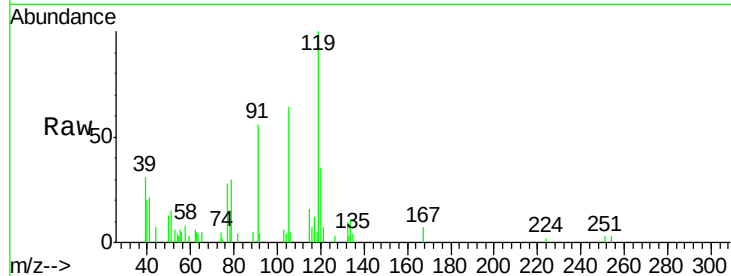


#65
tert-Butylbenzene
Concen: 0.06 ppbv m
RT: 17.06 min Scan# 4969
Delta R.T. 0.00 min
Lab File: VL031886.D
Acq: 19 Apr 2018 20:22

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2018

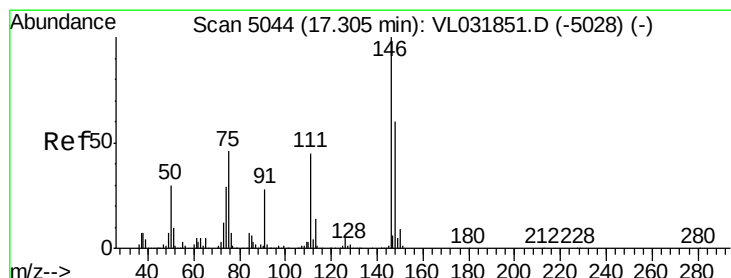
Tot Ion	Ratio	Lower	Upper
119	100		
91	0.0	69.4	104.0#
134	0.0	15.4	23.2#

Manual Integrations
APPROVED



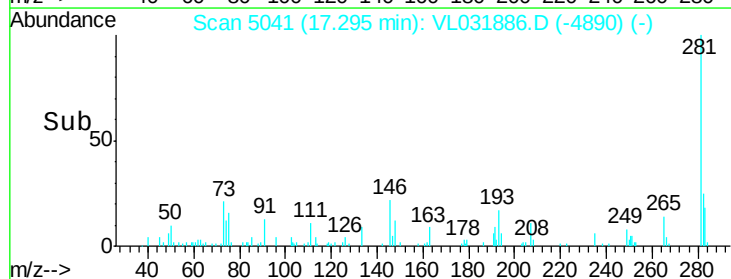
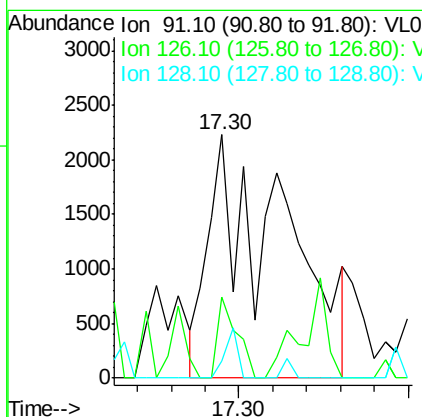
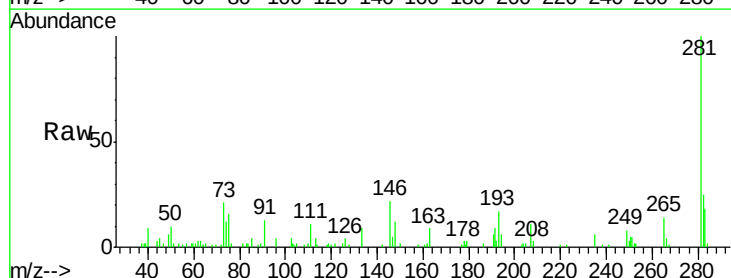
sam

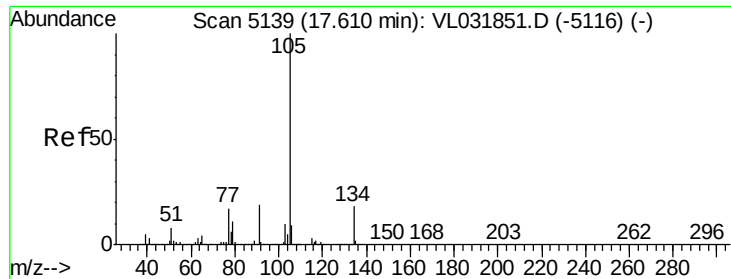
4/23/2018 12:50:34 PM



#66
Benzyl Chloride
Concen: 0.11 ppbv m
RT: 17.30 min Scan# 5041
Delta R.T. -0.01 min
Lab File: VL031886.D
Acq: 19 Apr 2018 20:22

Tgt Ion	Ratio	Lower	Upper
91	100		
126	0.0	12.6	19.0#
128	0.0	4.0	6.0#





#67

sec-Butylbenzene

Concen: 0.06 ppbv m

RT: 17.60 min Scan# 5137

Delta R.T. -0.01 min

Lab File: VL031886.D

Acq: 19 Apr 2018 20:22

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2018

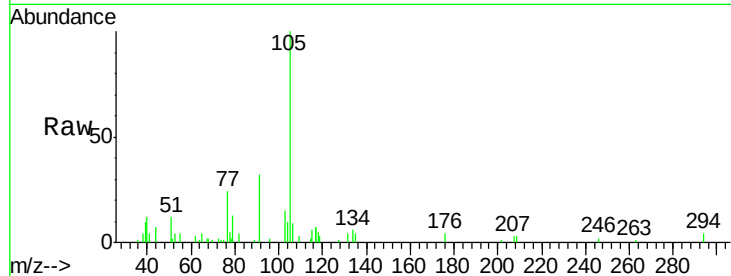
Tot Ion: 105 Resp: 30967

Ion Ratio Lower Upper

105 100

134 0.0 14.2 21.2#

Manual Integrations
APPROVED



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

17.60

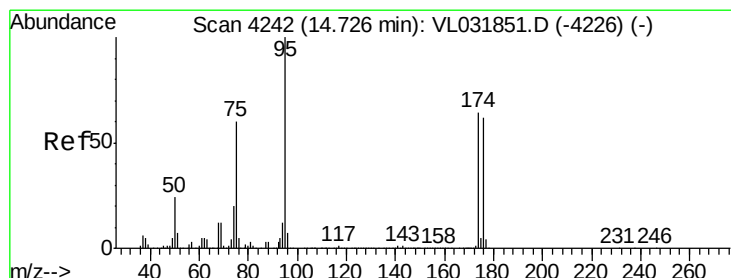
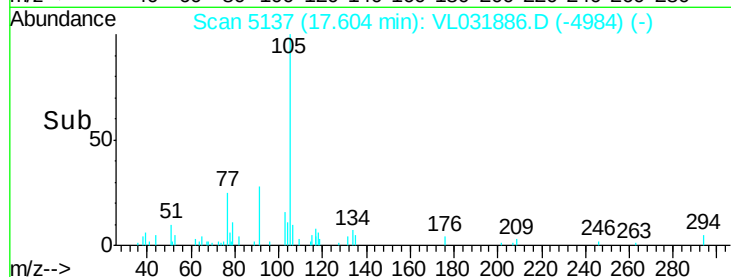
10000

5000

0

17.55 17.60 17.65

Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 10.26 ppbv

RT: 14.72 min Scan# 4241

Delta R.T. -0.01 min

Lab File: VL031886.D

Acq: 19 Apr 2018 20:22

Tgt Ion: 95 Resp: 2075548

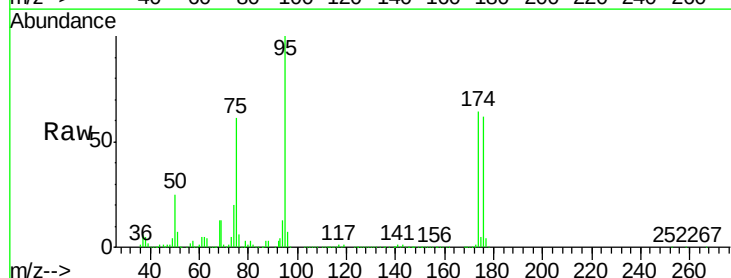
Ion Ratio Lower Upper

95 100

174 65.1 52.3 78.5

175 4.7 3.9 5.9

4/23/2018 12:50:34 PM



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

1200000

1000000

800000

600000

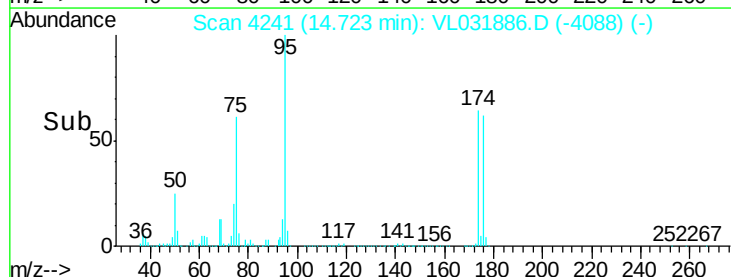
400000

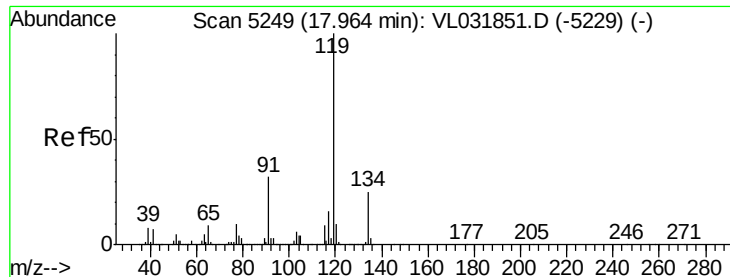
200000

0

14.60 14.70 14.80

Time-->



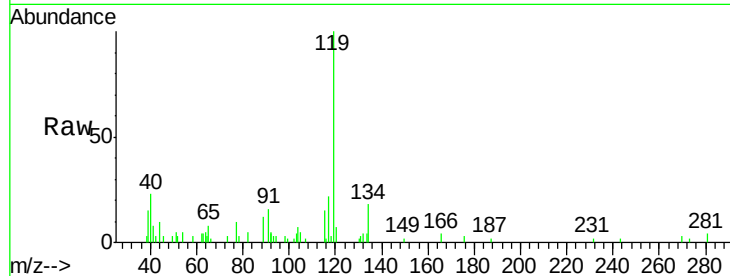


#69
 p-Isopropyltoluene
 Concen: 0.05 ppbv m
 RT: 17.97 min Scan# 5250
 Delta R.T. 0.00 min
 Lab File: VL031886.D
 Acq: 19 Apr 2018 20:22

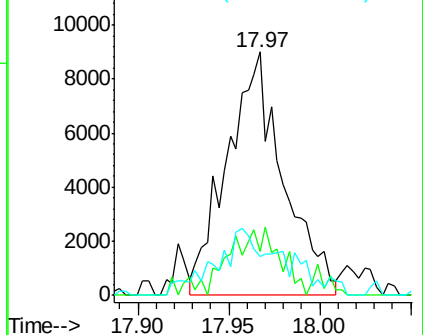
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2018

Tot Ion	Ratio	Lower	Upper
119	100		
134	29.5	20.0	30.0
91	34.0	24.9	37.3

Manual Integrations
 APPROVED

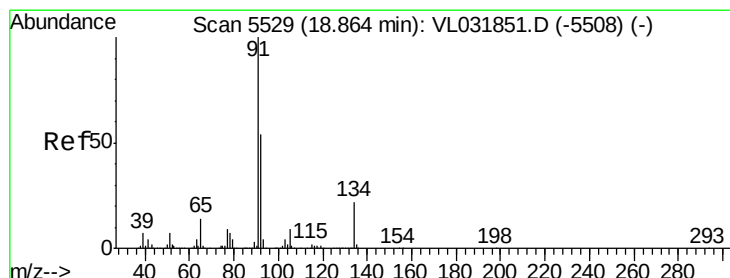
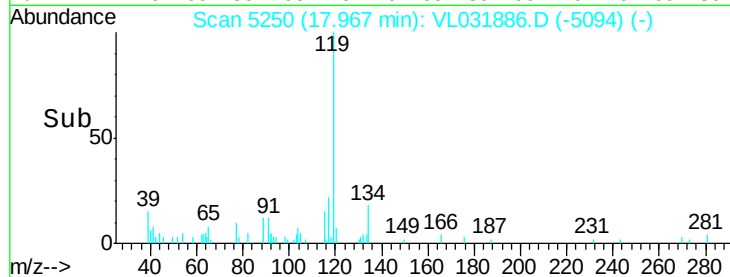


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V



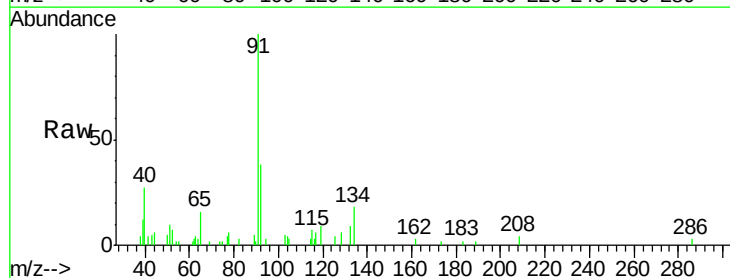
sam

4/23/2018 12:50:34 PM

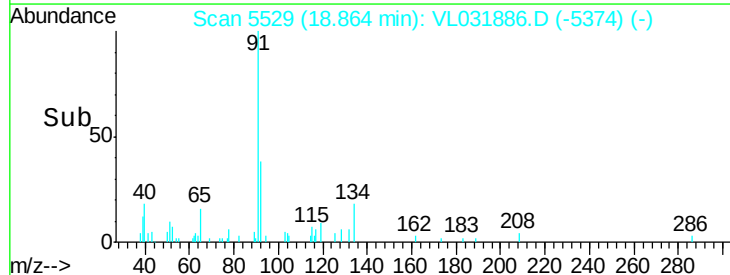
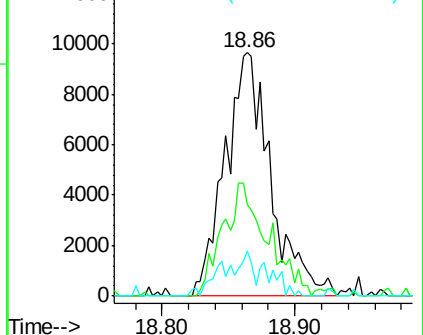


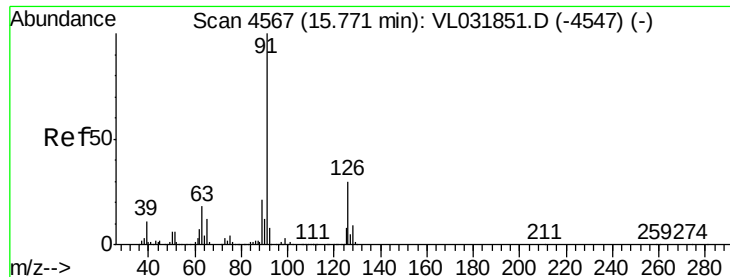
#70
 n-Butylbenzene
 Concen: 0.06 ppbv m
 RT: 18.86 min Scan# 5529
 Delta R.T. -0.00 min
 Lab File: VL031886.D
 Acq: 19 Apr 2018 20:22

Tgt Ion	Ratio	Lower	Upper
91	100		
92	0.0	42.2	63.4#
134	0.0	17.4	26.0#



Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 92.10 (91.80 to 92.80): VL0
 Ion 134.20 (133.90 to 134.90): V



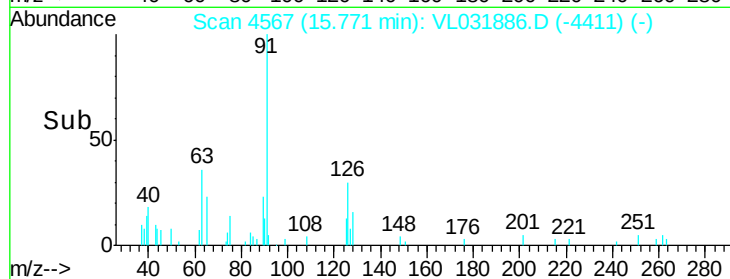
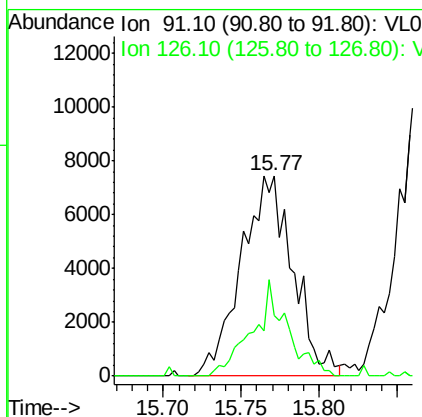
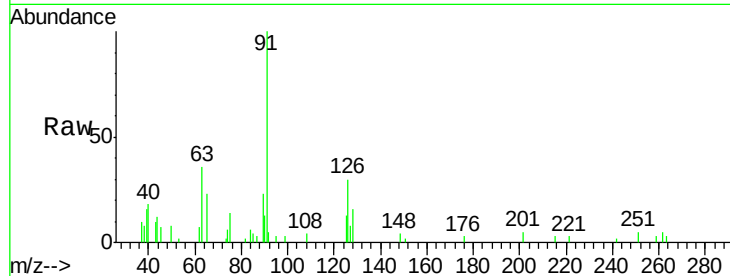


#71
 2-Chlorotoluene
 Concen: 0.06 ppbv m
 RT: 15.77 min Scan# 4567
 Delta R.T. 0.00 min
 Lab File: VL031886.D
 Acq: 19 Apr 2018 20:22

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2018

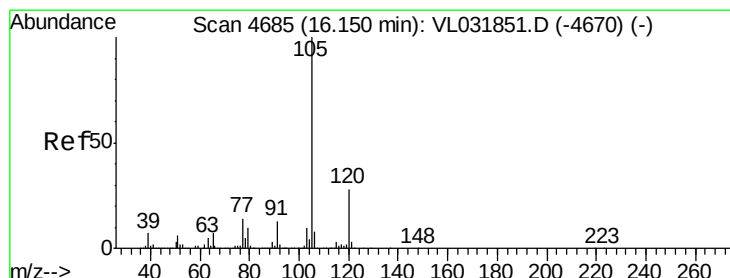
Tot Ion	Ratio	Lower	Upper
91	100		
126	32.6	11.6	46.2

Manual Integrations
 APPROVED



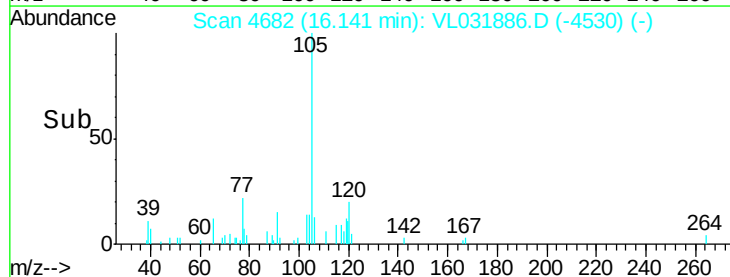
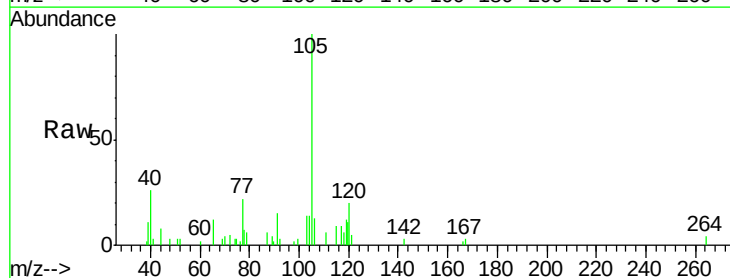
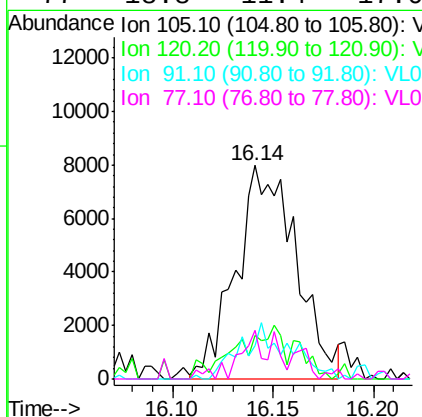
sam

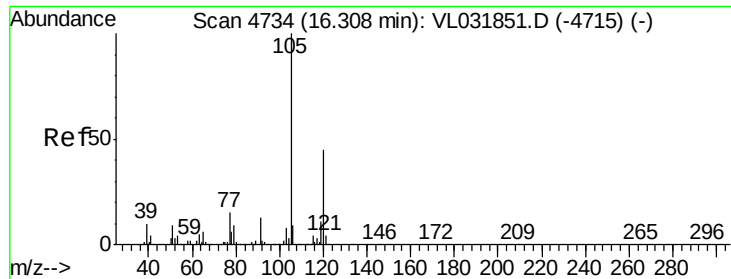
4/23/2018 12:50:34 PM



#72
 4-Ethyltoluene
 Concen: 0.05 ppbv m
 RT: 16.14 min Scan# 4682
 Delta R.T. -0.01 min
 Lab File: VL031886.D
 Acq: 19 Apr 2018 20:22

Tgt Ion	Ratio	Lower	Upper
105	100		
120	0.0	22.7	34.1#
91	21.1	10.6	16.0#
77	18.8	11.4	17.0#





#73

1,3,5-Trimethylbenzene

Concen: 0.06 ppbv m

RT: 16.31 min Scan# 4734

Delta R.T. -0.00 min

Lab File: VL031886.D

Acq: 19 Apr 2018 20:22

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2018

Tot Ion:105 Resp: 16608

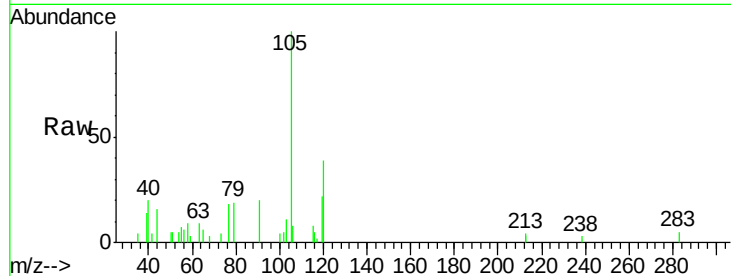
Ion Ratio Lower Upper

105 100

120 38.5 35.3 52.9

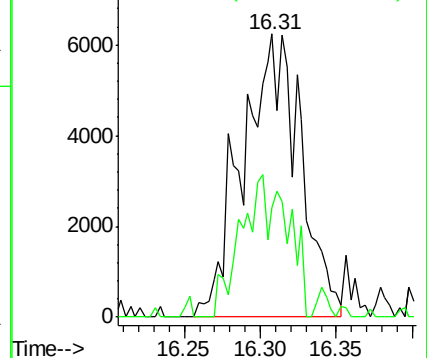
Manual Integrations

APPROVED



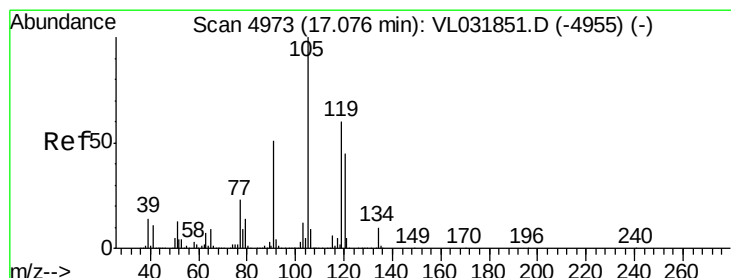
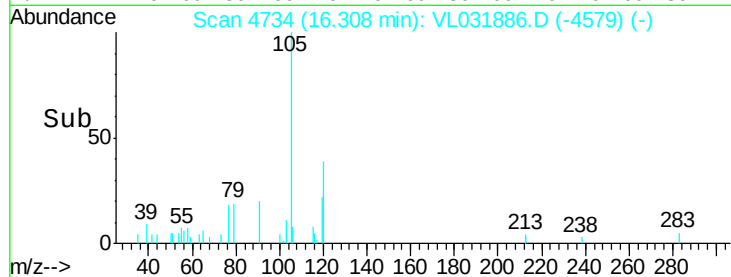
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



sam

4/23/2018 12:50:34 PM



#74

1,2,4-Trimethylbenzene

Concen: 0.06 ppbv m

RT: 17.07 min Scan# 4970

Delta R.T. -0.01 min

Lab File: VL031886.D

Acq: 19 Apr 2018 20:22

Tgt Ion:105 Resp: 18073

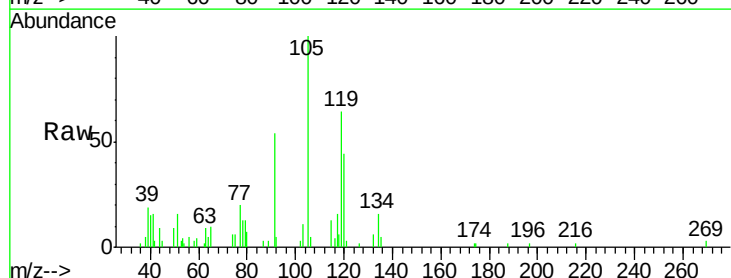
Ion Ratio Lower Upper

105 100

120 43.9 37.0 55.4

91 53.6 43.0 64.4

77 19.8 18.7 28.1

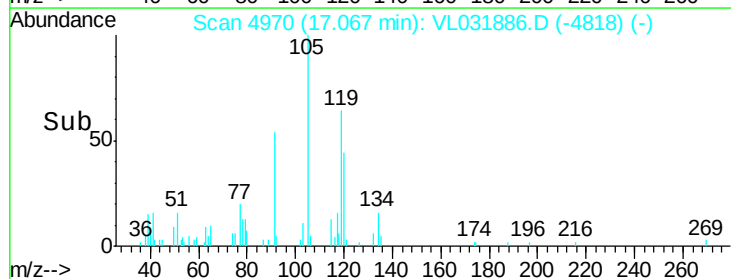
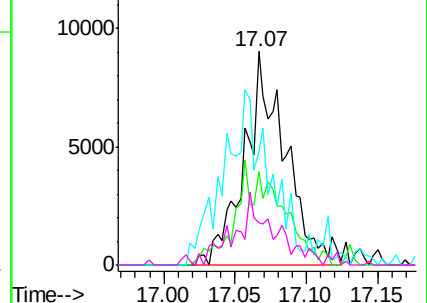


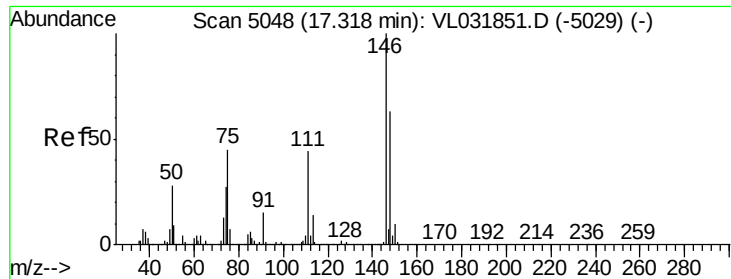
Abundance Ion 105.10 (104.80 to 105.80): V

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



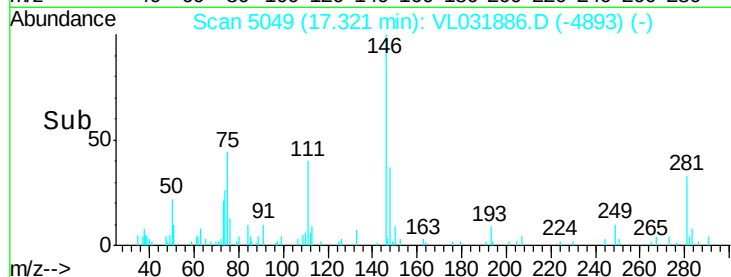
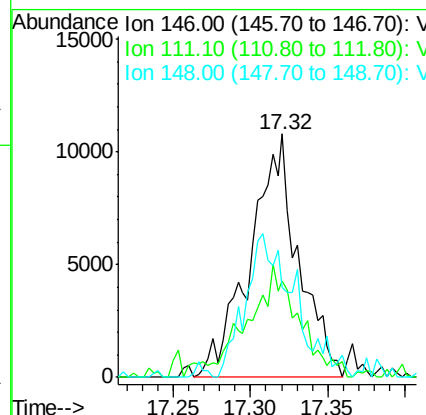
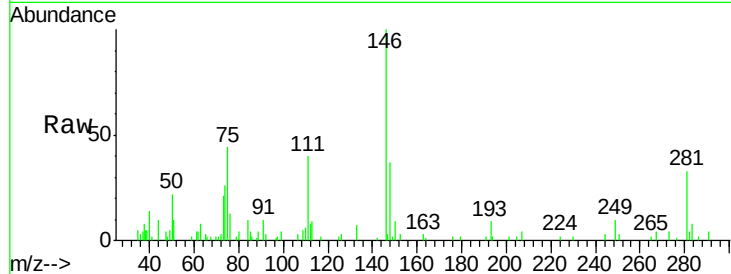


#75
 1,3-Dichlorobenzene
 Concen: 0.12 ppbv m
 RT: 17.32 min Scan# 5049
 Delta R.T. 0.00 min
 Lab File: VL031886.D
 Acq: 19 Apr 2018 20:22

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2018

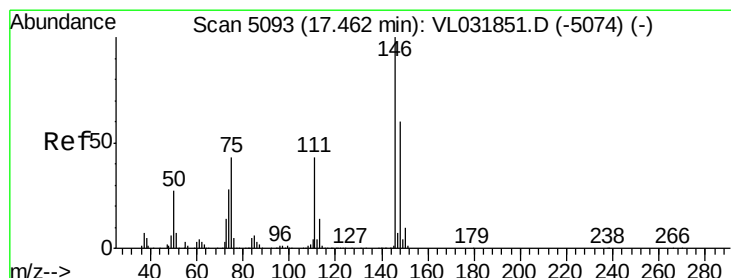
Tot Ion	Ratio	Lower	Upper
146	100		
111	53.7	23.8	71.4
148	63.8	32.0	96.2

Manual Integrations
 APPROVED



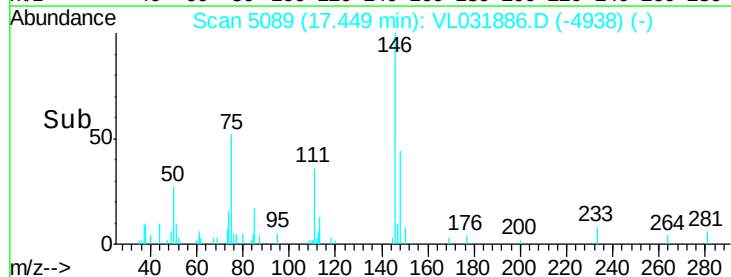
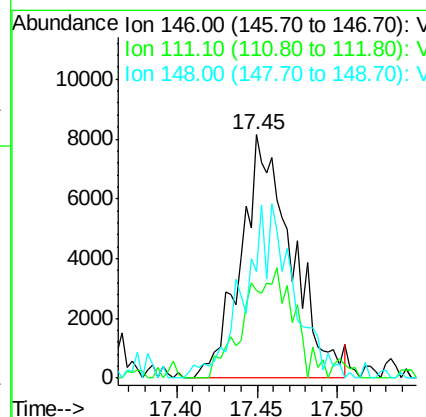
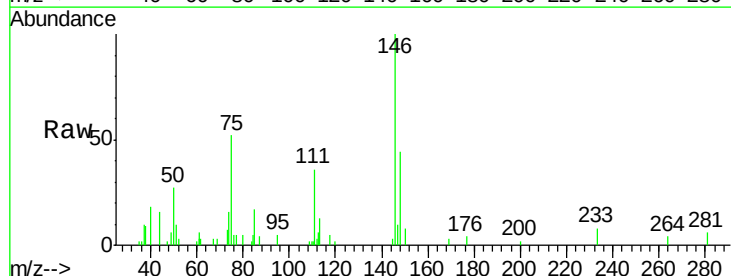
sam

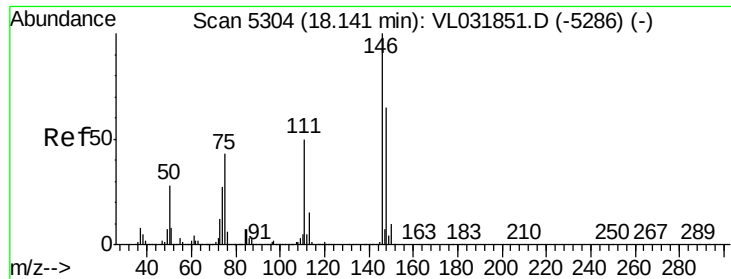
4/23/2018 12:50:34 PM



#76
 1,4-Dichlorobenzene
 Concen: 0.10 ppbv m
 RT: 17.45 min Scan# 5089
 Delta R.T. -0.01 min
 Lab File: VL031886.D
 Acq: 19 Apr 2018 20:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	0.0	22.9	68.7#
148	0.0	32.0	96.0#



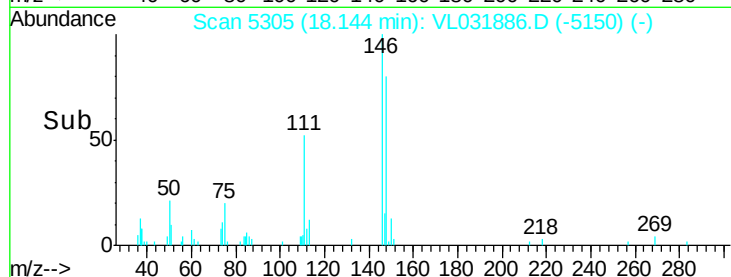
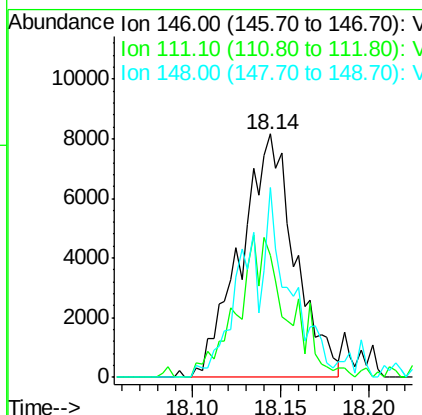
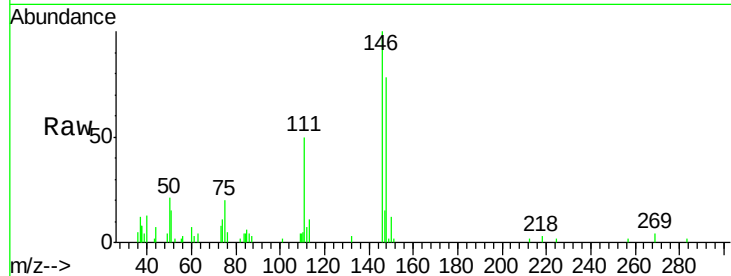


#77
 1,2-Dichlorobenzene
 Concen: 0.09 ppbv m
 RT: 18.14 min Scan# 5305
 Delta R.T. -0.00 min
 Lab File: VL031886.D
 Acq: 19 Apr 2018 20:22

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2018

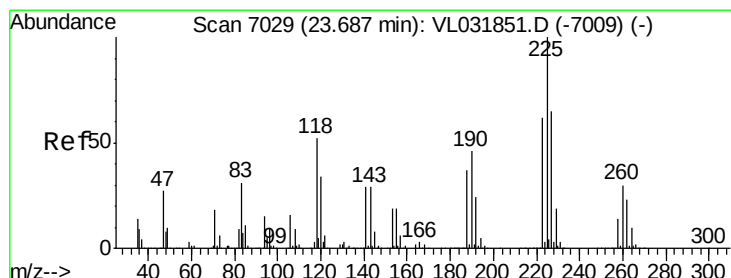
Tot Ion	Ratio	Lower	Upper
146	100		
111	54.6	24.3	72.8
148	27.0	31.8	95.3#

Manual Integrations
 APPROVED



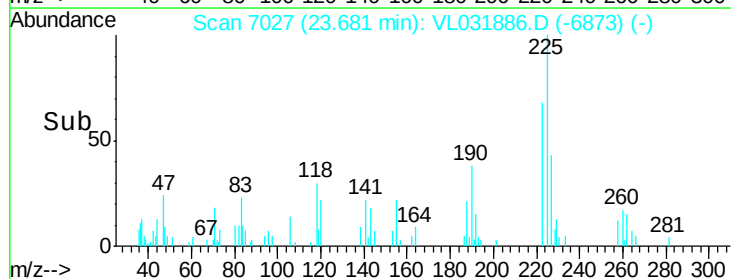
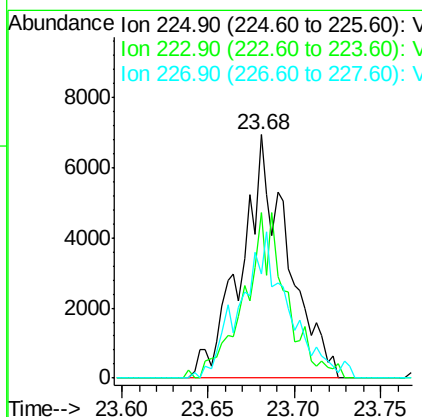
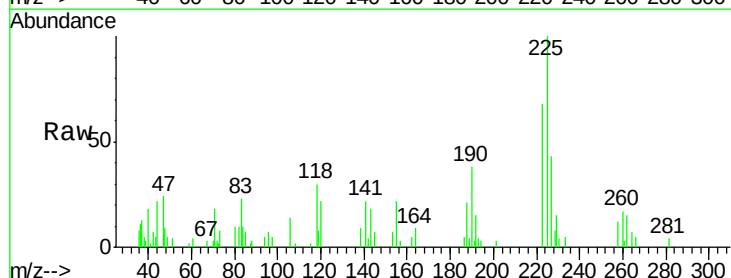
sam

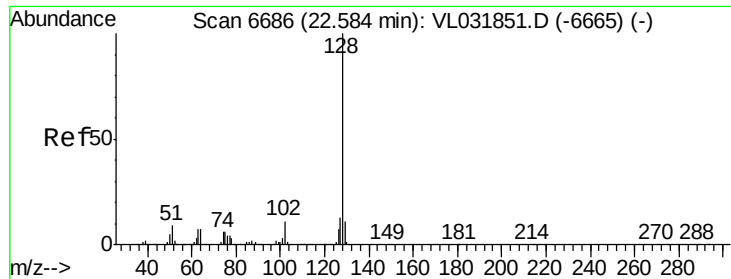
4/23/2018 12:50:34 PM



#78
 Hexachloro-1,3-Butadiene
 Concen: 0.18 ppbv m
 RT: 23.68 min Scan# 7027
 Delta R.T. -0.00 min
 Lab File: VL031886.D
 Acq: 19 Apr 2018 20:22

Tgt Ion	Ratio	Lower	Upper
225	100		
223	0.0	50.6	76.0#
227	0.0	52.2	78.4#



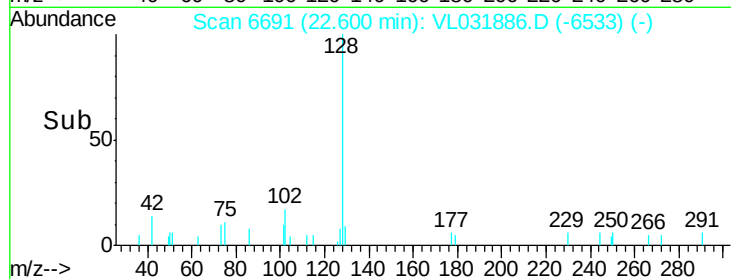
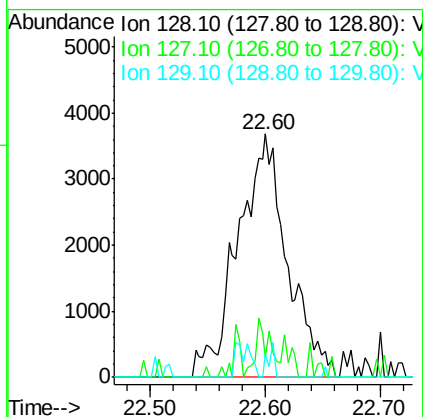
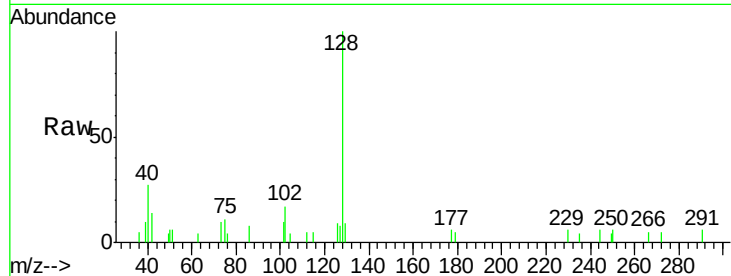


#79
Naphthalene
Concen: 0.06 ppbv m
RT: 22.60 min Scan# 6691
Delta R.T. 0.01 min
Lab File: VL031886.D
Acq: 19 Apr 2018 20:22

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2018

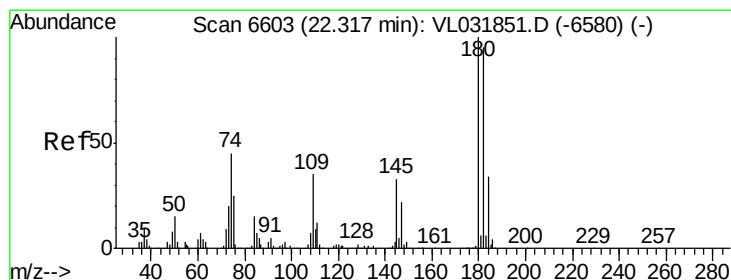
Tot Ion:	128	Resp:	11041
Ion Ratio	Lower	Upper	
128	100		
127	8.0	10.2	15.4#
129	9.4	9.4	14.2#

Manual Integrations
APPROVED



sam

4/23/2018 12:50:34 PM



#81
1,2,4-Trichlorobenzene
Concen: 0.07 ppbv m
RT: 22.30 min Scan# 6599
Delta R.T. -0.01 min
Lab File: VL031886.D
Acq: 19 Apr 2018 20:22

Tgt Ion:	180	Resp:	6909
Ion Ratio	Lower	Upper	
180	100		
182	0.0	76.3	114.5#
184	0.0	24.2	36.2#

